

#### **PLANNING & ZONING CASE NO.**

#### **PLANNING & ZONING FEE**

#### **PLATTING APPLICATION**

MASTER PLAT PRELIMINARY PLAT FINAL PLAT REPLAT

AMENDING OR MINOR PLAT PLAT REINSTATEMENT REQUEST

#### SITE PLAN APPLICATION

SITE PLAN

AMENDED SITE PLAN/ELEVATIONS/LANDSCAPING

#### **ZONING APPLICATION**

ZONING CHANGE SPECIFIC USE PERMIT PD DEVELOPMENT PLAN

#### OTHER APPLICATION

TREE REMOVAL

VARIANCE REQUEST/SPECIAL EXCEPTIONS

#### RECORD OF RECOMMENDATIONS, VOTING RECORDS, AND CONDITIONS OF APPROVAL

ARCHITECTURE REVIEW BOARD	CITY COUNCIL READING #2
PLANNING AND ZONING COMMISSION	CONDITIONS OF APPROVAL
CITY COUNCIL READING #1	NOTES



NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS

#### **DEVELOPMENT APPLICATION**

City of Rockwall Planning and Zoning Department 385 S. Goliad Street Rockwall. Texas 75087

5	TA	FF	USE	ONLY	•

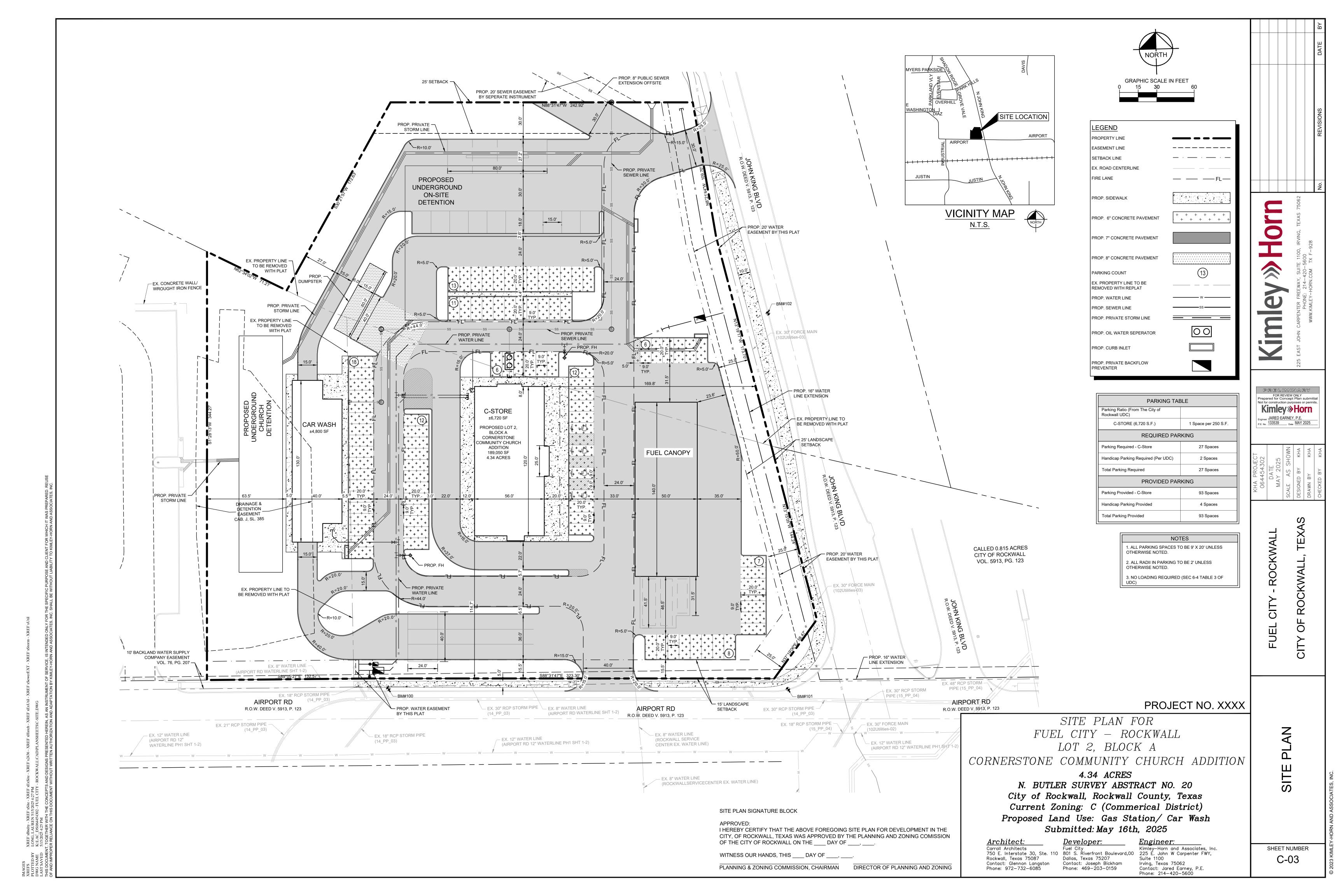
PLANNING & ZONING CASE NO.

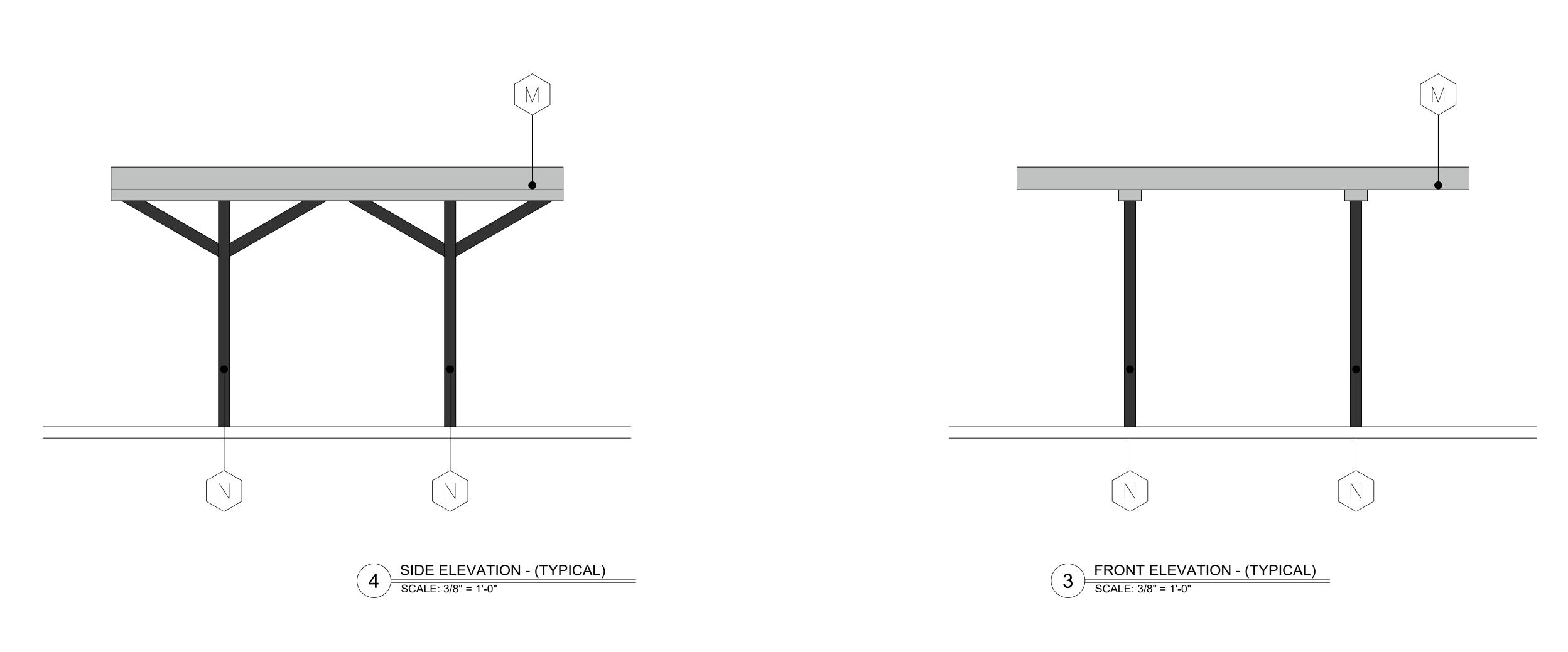
<u>NOTE:</u> THE APPLICATION IS NOT CONSIDERED ACCEPTED BY THE CITY UNTIL THE PLANNING DIRECTOR AND CITY ENGINEER HAVE SIGNED BELOW.

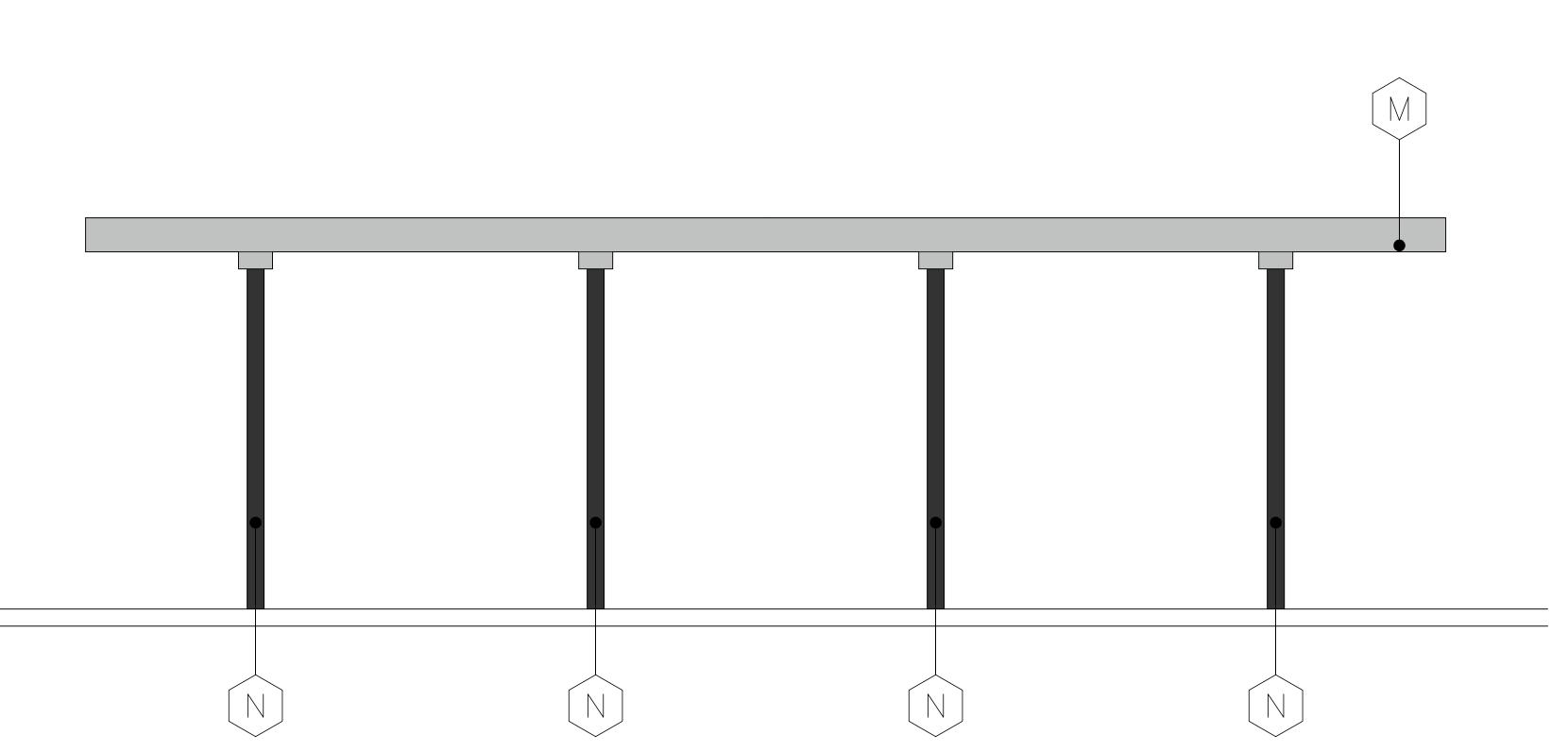
Notary TD 134596025

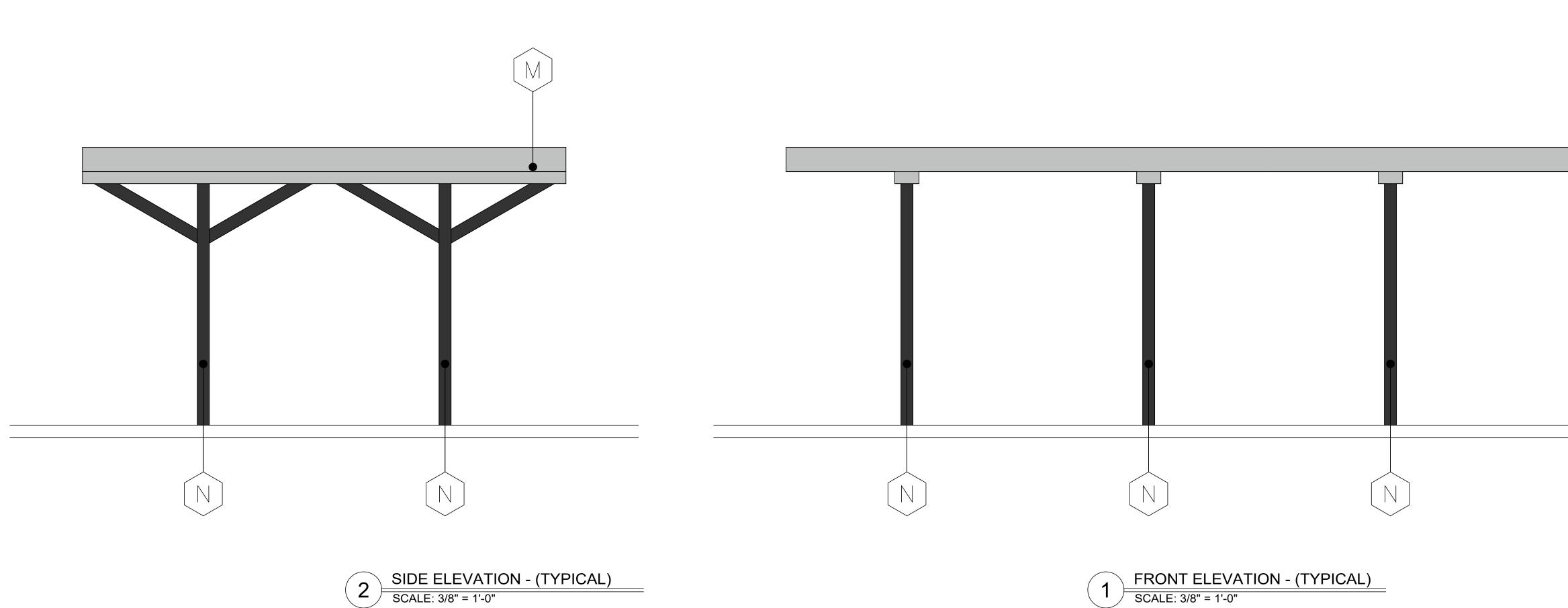
DIRECTOR OF PLANNING:

	rookwan, roxae roocr	CITY	ENGINEEK:	
PLEASE CHECK THE A	APPROPRIATE BOX BELOW TO INDICATE THE	TYPE OF DEVELOPMENT REG	QUEST [SELECT ONLY ON	IE BOXJ:
☐ PRELIMINARY F ☐ FINAL PLAT (\$30 ☐ REPLAT (\$300.0 ☐ AMENDING OR ☐ PLAT REINSTAT  SITE PLAN APPLIC ☑ SITE PLAN (\$250	\$100.00 + \$15.00 ACRE) 1 PLAT (\$200.00 + \$15.00 ACRE) 1 00.00 + \$20.00 ACRE) 1 0 + \$20.00 ACRE) 1 MINOR PLAT (\$150.00) TEMENT REQUEST (\$100.00)	☐ SPECIFIC US ☐ PD DEVELOF  OTHER APPLIC. ☐ TREE REMO' ☐ VARIANCE R  NOTES: 1: IN DETERMINING TI PER ACRE AMOUNT. 2: A \$1,000.00 FEE N	NGE (\$200.00 + \$15.00 AC SE PERMIT (\$200.00 + \$15 PMENT PLANS (\$200.00 + ATION FEES: VAL (\$75.00) EQUEST/SPECIAL EXCEF HE FEE, PLEASE USE THE EXACT FOR REQUESTS ON LESS THAN O WILL BE ADDED TO THE APPLIC	.00 ACRE) 1 8 2 \$15.00 ACRE) 1
PROPERTY INFO	RMATION [PLEASE PRINT]			
ADDRESS				
SUBDIVISION	A0020 N Butler, Tract 4-06		LOT	BLOCK
GENERAL LOCATION	Northwest of John Kind Blvd	and Airport Rd		
ZONING, SITE PL	AN AND PLATTING INFORMATION	[PLEASE PRINT]		
CURRENT ZONING	Commercial District (C)	CURRENT USE	N/A	
PROPOSED ZONING	Commercial District (C)	PROPOSED USE	Gas Station/	Car Wash
ACREAGE	4.34 acres Lots [CL	JRRENT]	LOTS [PROP	OSED]
REGARD TO ITS	D. PLATS: BY CHECKING THIS BOX YOU ACKNOW! APPROVAL PROCESS, AND FAILURE TO ADDRESS BENIAL OF YOUR CASE.	EDGE THAT DUE TO THE PASS ANY OF STAFF'S COMMENTS BY	SAGE OF <u>HB3167</u> THE CITY / THE DATE PROVIDED ON	NO LONGER HAS FLEXIBILITY WITH THE DEVELOPMENT CALENDAR WILL
OWNER/APPLIC	ANT/AGENT INFORMATION [PLEASE I	PRINT/CHECK THE PRIMARY CON	ITACT/ORIGINAL SIGNATUR	ES ARE REQUIRED]
☐ OWNER	Fuel City	☐ APPLICANT	Kimley-Horn	
CONTACT PERSON	Joseph Bickham	CONTACT PERSON	Jared Earney	
ADDRESS		ADDRESS	225 E. John W. C	arpenter FWY, Ste 1100
CITY, STATE & ZIP		CITY, STATE & ZIP	Irving, TX 75062	
PHONE	469-203-0159	PHONE	817-900-8528	
E-MAIL	jbickham@fuelcity.com	E-MAIL	jared.earney@l	kimley-horn.com
BEFORE ME THE UNDER	CATION [REQUIRED] RSIGNED AUTHORITY, ON THIS DAY PERSONALLY A ION ON THIS APPLICATION TO BE TRUE AND CERTI	APPEARED 105 (Ph.) FIED THE FOLLOWING:	Bickheun 10	DWNER] THE UNDERSIGNED, WHO
S 350 SE	I AM THE OWNER FOR THE PURPOSE OF THIS APPLIC TO COVER THE COST OF THIS APPLICATION, 2015 BY SIGNING THIS APPLICATION.  D WITHIN THIS APPLICATION TO THE PUBLIC. THIS THIS APPLICATION, IF SUCH REPRODUCTION.	ATION, HAS BEEN PAID TO THE CIT ON, I AGREE THAT THE CITY OF RO E CITY IS ALSO AUTHORIZED AN	'Y OF ROCKWALL ON THIS THE OCKWALL (I.E. "CITY") IS AUTH D PERMITTED TO REPRODU	EDAY OF HORIZED AND PERMITTED TO PROVIDE ICE ANY COPYRIGHTED INFORMATION
GIVEN UNDER MY HAND	AND SEAL OF OFFICE ON THIS THE 15 DAY OF	- May , 202	S NA PUB	GLORIA AGUIRRE S Notary Public, State of Texas
	OWNED'S SIGNATURE			25 Comm. Expires 10-09-2027



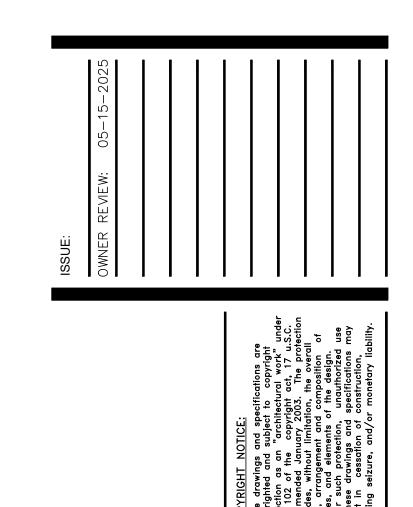






FRONT ELEVATION - (TYPICAL)

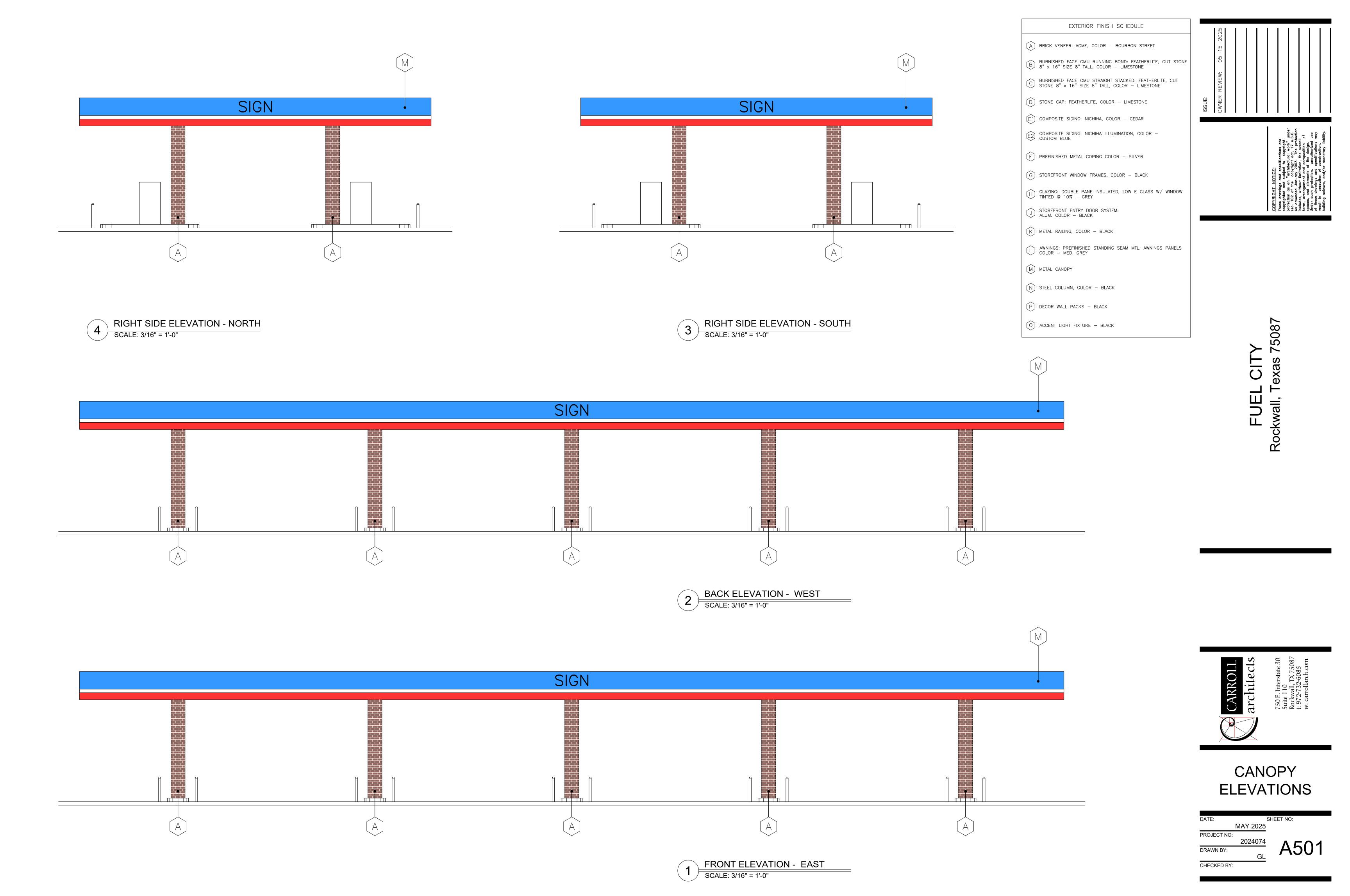
SCALE: 3/8" = 1'-0"





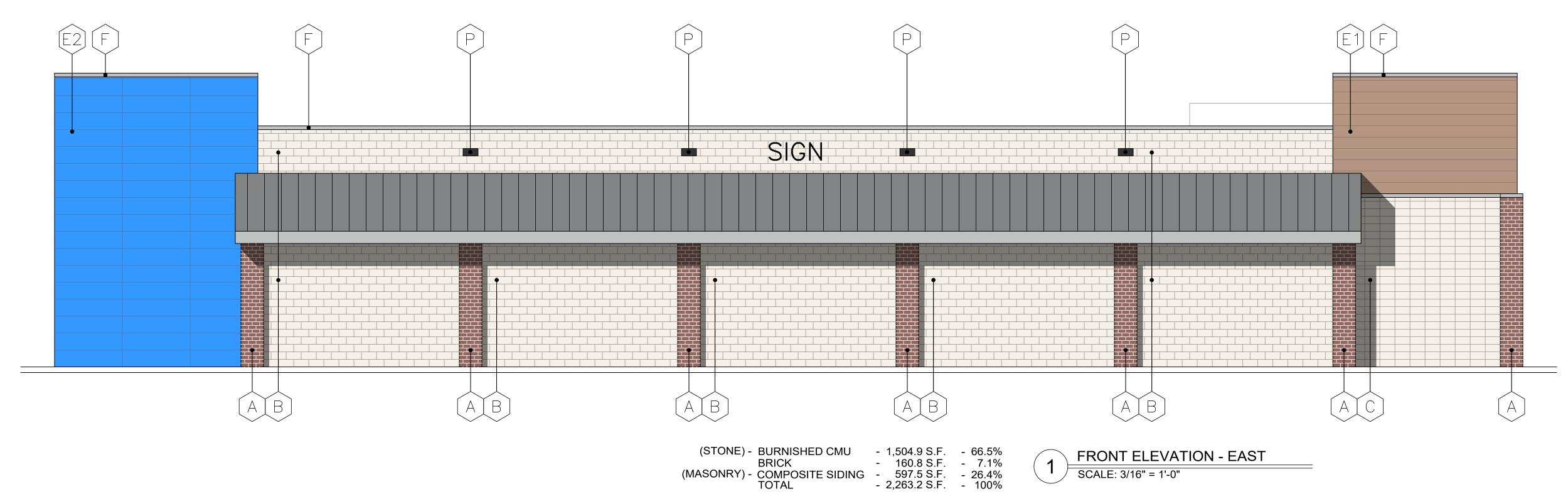
MONUMENT SIGN **ELEVATION** 

A501



(STONE) - BURNISHED CMU - 306.1 S.F. - 48.7%
BRICK - 84.6 S.F. - 13.5%
MASONRY) - COMPOSITE SIDING - 237.7 S.F. - 37.8%
- 628 4 S.F. - 100%

RIGHT SIDE ELEVATION - SOUTH
SCALE: 3/16" = 1'-0"



BRICK - 84.6 S.F. - 13.5% (MASONRY) - COMPOSITE SIDING - 237.7 S.F. - 37.8% TOTAL - 628.4 S.F. - 100%

FRONT ELEVATION - EAST

SCALE: 3/16" = 1'-0"

EXTERIOR FINISH SCHEDULE

- (A) BRICK VENEER: ACME, COLOR BOURBON STREET
- B BURNISHED FACE CMU RUNNING BOND: FEATHERLITE, CUT STONE 8" x 16" SIZE 8" TALL, COLOR LIMESTONE
- BURNISHED FACE CMU STRAIGHT STACKED: FEATHERLITE, CUT STONE 8" x 16" SIZE 8" TALL, COLOR LIMESTONE
- (D) STONE CAP: FEATHERLITE, COLOR LIMESTONE
- (E1) COMPOSITE SIDING: NICHIHA, COLOR CEDAR
- COMPOSITE SIDING: NICHIHA ILLUMINATION, COLOR CUSTOM BLUE
- F PREFINISHED METAL COPING COLOR SILVER
- G STOREFRONT WINDOW FRAMES, COLOR BLACK
- H GLAZING: DOUBLE PANE INSULATED, LOW E GLASS W/ WINDOW TINTED @ 10% GREY
- STOREFRONT ENTRY DOOR SYSTEM: ALUM. COLOR BLACK
- K METAL RAILING, COLOR BLACK
- AWNINGS: PREFINISHED STANDING SEAM MTL. AWNINGS PANELS COLOR MED. GREY
- M METAL CANOPY
- (N) STEEL COLUMN, COLOR BLACK
- (P) DECOR WALL PACKS BLACK
- Q ACCENT LIGHT FIXTURE BLACK

75087 5 FUEL Rockwall,

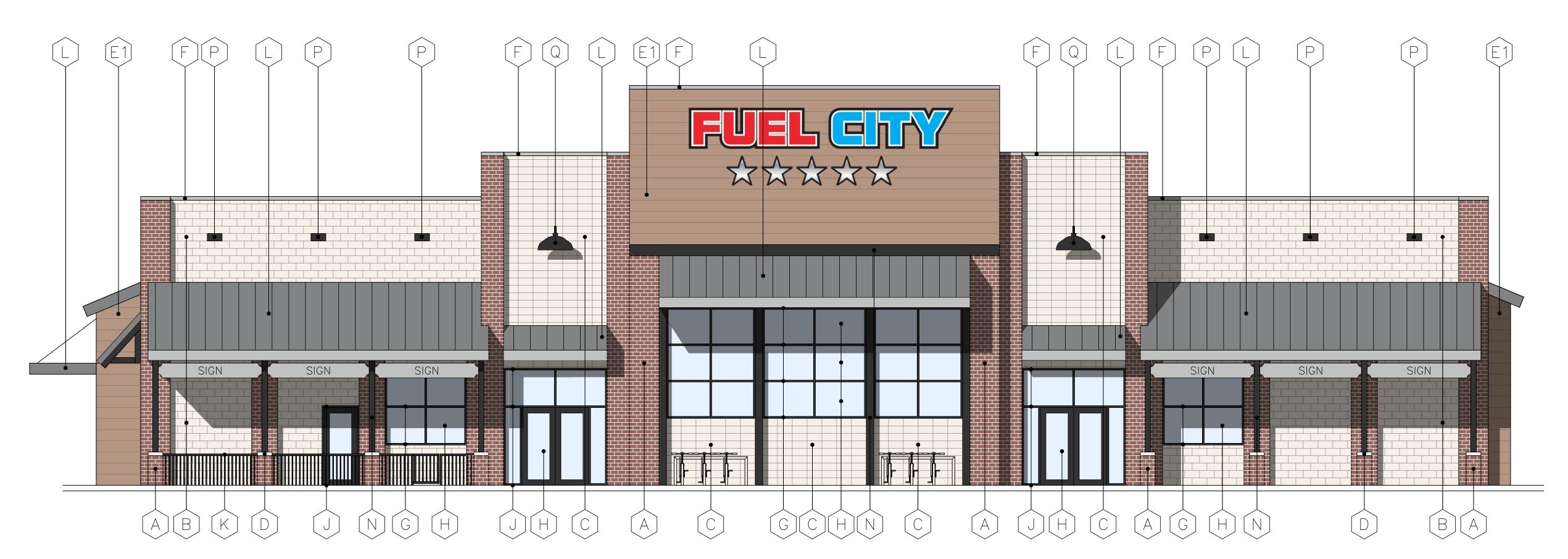


CARWASH **ELEVATIONS** 

PROJECT NO:

(STONE) - BURNISHED CMU - 958.1 S.F. - 55.7%
BRICK - 326.9 S.F. - 19.0%
MASONRY) - COMPOSITE SIDING - 433.8 S.F. - 25.6%
- 1 718 8 S.F. - 100%

RIGHT SIDE ELEVATION - SOUTH
SCALE: 3/16" = 1'-0" BRICK - 326.9 S.F. - 19.0% (MASONRY) - COMPOSITE SIDING - 433.8 S.F. - 25.6% TOTAL - 1,718.8 S.F. - 100%

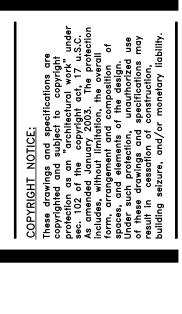


(STONE) - BURNISHED CMU - 1,234.9 S.F. - 50.7% BRICK - 626.4 S.F. - 25.7% (MASONRY) - COMPOSITE SIDING - 576.7 S.F. - 23.6% TOTAL - 2,438.0 S.F. - 100%

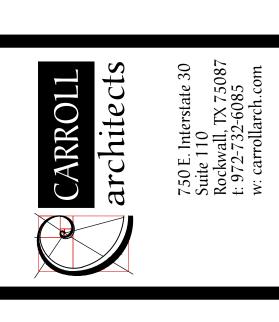
FRONT ELEVATION - EAST

EXTERIOR FINISH SCHEDULE

- (A) BRICK VENEER: ACME, COLOR BOURBON STREET
- B BURNISHED FACE CMU RUNNING BOND: FEATHERLITE, CUT STONE 8" x 16" SIZE 8" TALL, COLOR LIMESTONE
- BURNISHED FACE CMU STRAIGHT STACKED: FEATHERLITE, CUT STONE 8" x 16" SIZE 8" TALL, COLOR LIMESTONE
- (D) STONE CAP: FEATHERLITE, COLOR LIMESTONE
- (E1) COMPOSITE SIDING: NICHIHA, COLOR CEDAR
- © COMPOSITE SIDING: NICHIHA ILLUMINATION, COLOR CUSTOM BLUE
- F PREFINISHED METAL COPING COLOR SILVER
- G STOREFRONT WINDOW FRAMES, COLOR BLACK
- H GLAZING: DOUBLE PANE INSULATED, LOW E GLASS W/ WINDOW TINTED @ 10% GREY
- STOREFRONT ENTRY DOOR SYSTEM: ALUM. COLOR BLACK
- (K) METAL RAILING, COLOR BLACK
- AWNINGS: PREFINISHED STANDING SEAM MTL. AWNINGS PANELS COLOR MED. GREY
- M METAL CANOPY
- (N) STEEL COLUMN, COLOR BLACK
- (P) DECOR WALL PACKS BLACK
- Q ACCENT LIGHT FIXTURE BLACK



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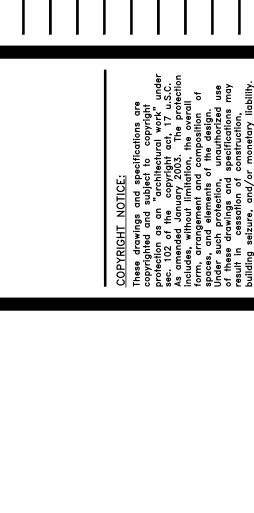


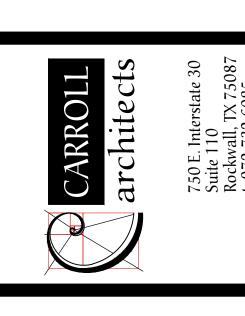
**EXTERIOR ELEVATIONS** 

DATE:	5	SHEET
	MAY 2025	
PROJECT NO:		
	2024074	4
DRAWN BY:		F
	GI	-

CHECKED BY:

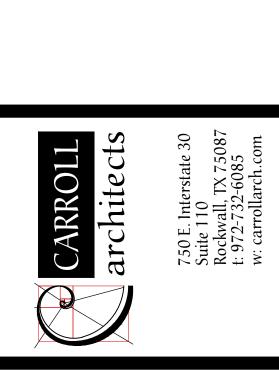






## MONUMENT SIGN ELEVATION

DATE:		SHEET NO:
	MAY 2025	
PROJECT NO:		
	2024074	Λ <i>Γ</i>
DRAWN BY:		A
	GL	, .
CHECKED BY:		



### VACUUM CANOPY ELEVATIONS

DATE: SHEET NO:

MAY 2025

PROJECT NO:

2024074

DRAWN BY:

GL

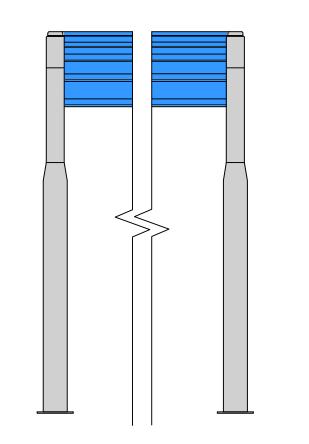
CHECKED BY:

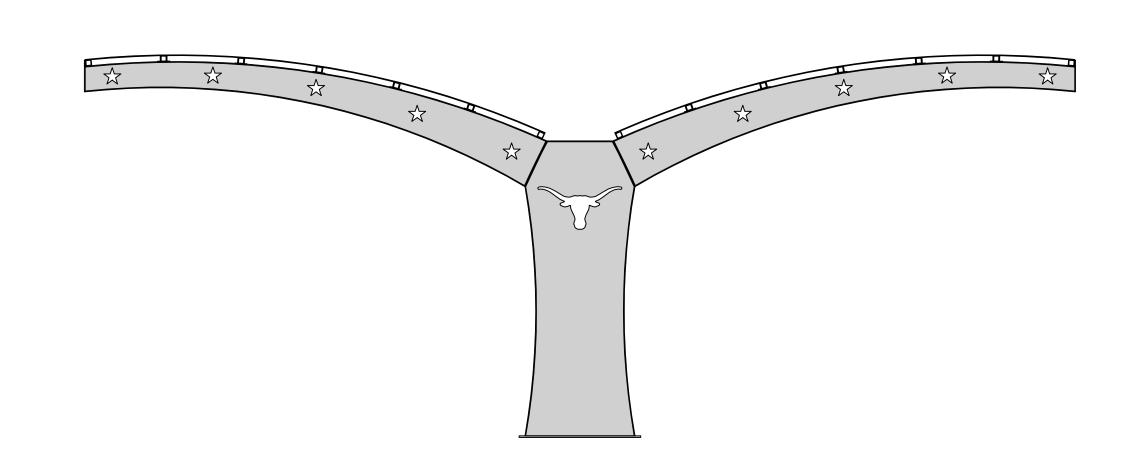


SIDE ELEVATION - (TYPICAL SINGLE)

SCALE: 3/8" = 1'-0"





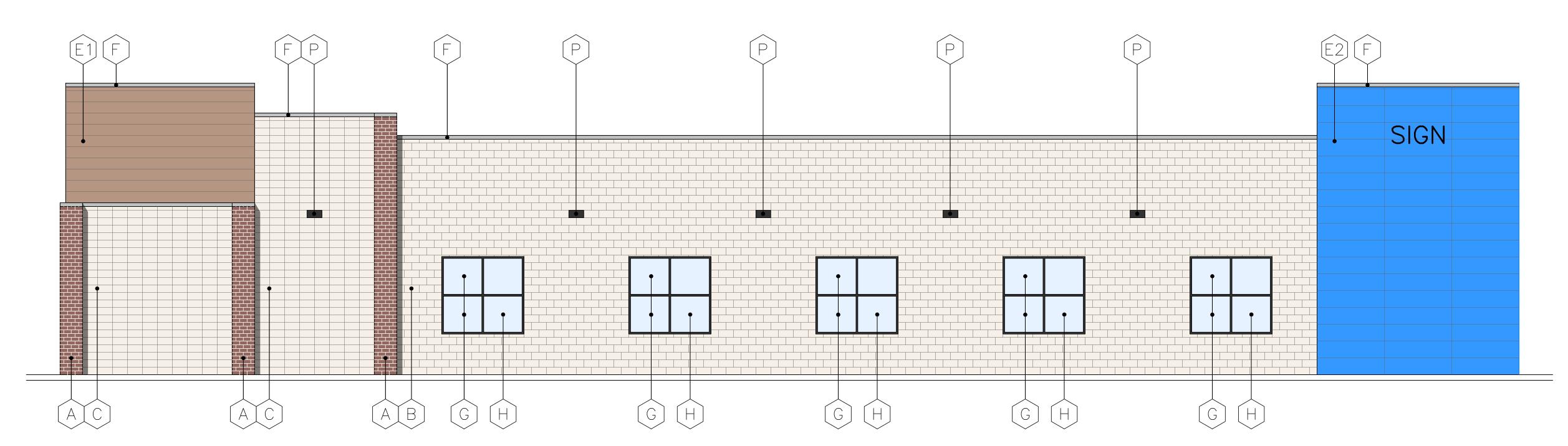




- (A) BRICK VENEER: ACME, COLOR BOURBON STREET
- B BURNISHED FACE CMU RUNNING BOND: FEATHERLITE, CUT STONE 8" x 16" SIZE 8" TALL, COLOR LIMESTONE
- BURNISHED FACE CMU STRAIGHT STACKED: FEATHERLITE, CUT STONE 8" x 16" SIZE 8" TALL, COLOR LIMESTONE
- D STONE CAP: FEATHERLITE, COLOR LIMESTONE
- (E1) COMPOSITE SIDING: NICHIHA, COLOR CEDAR
- COMPOSITE SIDING: NICHIHA ILLUMINATION, COLOR CUSTOM BLUE
- (F) PREFINISHED METAL COPING COLOR SILVER
- G STOREFRONT WINDOW FRAMES, COLOR BLACK
- H GLAZING: DOUBLE PANE INSULATED, LOW E GLASS W/ WINDOW TINTED @ 10% GREY
- STOREFRONT ENTRY DOOR SYSTEM: ALUM. COLOR BLACK
- (K) METAL RAILING, COLOR BLACK
- AWNINGS: PREFINISHED STANDING SEAM MTL. AWNINGS PANELS COLOR MED. GREY
- M METAL CANOPY
- (N) STEEL COLUMN, COLOR BLACK
- (P) DECOR WALL PACKS BLACK
- Q ACCENT LIGHT FIXTURE BLACK

75087 5

FUEL Rockwall,



BRICK - 36.1 S.F. - 5.7% (MASONRY) - COMPOSITE SIDING - 443.6 S.F. - 70.0% TOTAL - 633.3 S.F. - 100%

(STONE) - BURNISHED CMU - 1,932.0 S.F. - 72.3% BRICK - 106.0 S.F. - 4.0% (MASONRY) - COMPOSITE SIDING - 635.9 S.F. - 26.4% TOTAL - 2,673.9 S.F. - 100%

BACK ELEVATION - WEST

SCALE: 3/16" = 1'-0"

(STONE) - BURNISHED CMU - 153.6 S.F. - 24.3 BRICK - 36.1 S.F. - 5.7% MASONRY) - COMPOSITE SIDING - 443.6 S.F. - 70.0% - 633.3 S.F. - 100%

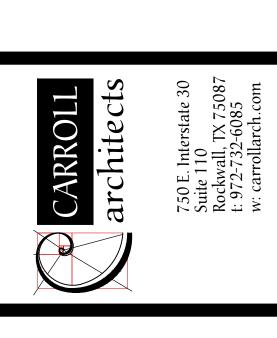
## CARWASH **ELEVATIONS**

PROJECT NO:



EXTERIOR FINISH SCHEDULE

(A) BRICK VENEER: ACME, COLOR - BOURBON STREET



# EXTERIOR ELEVATIONS

DATE: SHEET NO:

MAY 2025

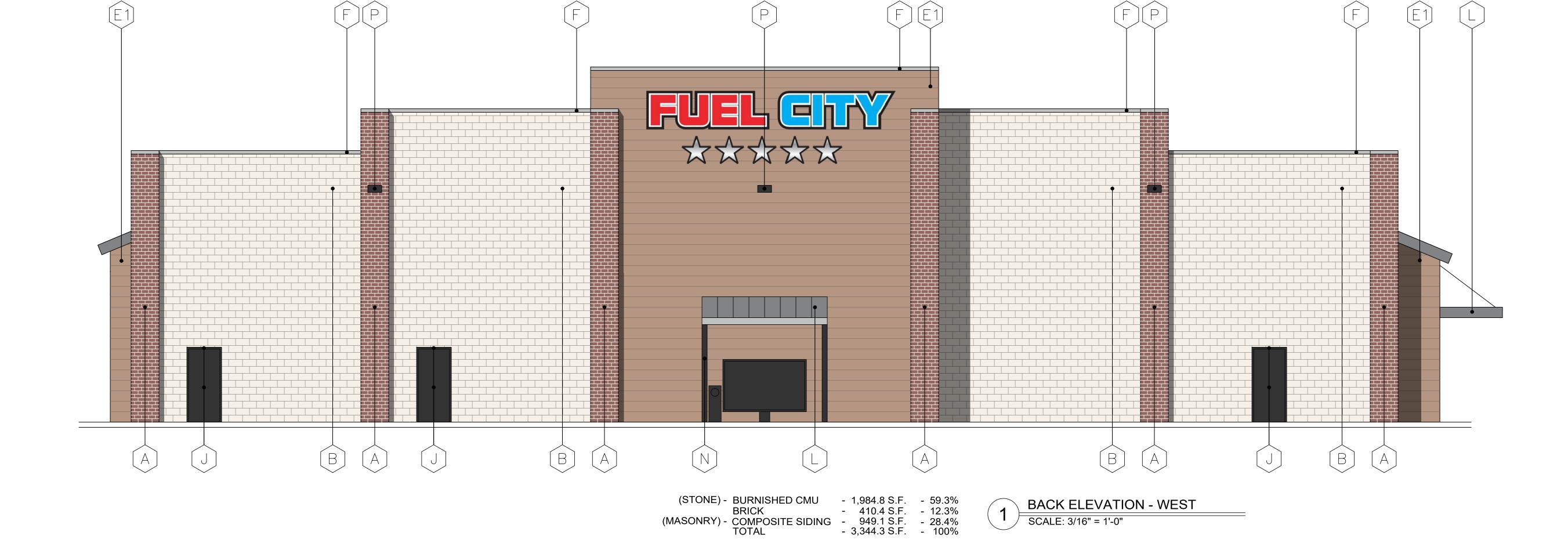
PROJECT NO:

2024074

DRAWN BY:

GL

CHECKED BY:



(STONE) - BURNISHED CMU - 883.1 S.F. - 54.8% BRICK - 326.9 S.F. - 20.3% (MASONRY) - COMPOSITE SIDING TOTAL - 1,612.0 S.F. - 100%

**AIRPORT ROAD** 

SITE LOCATION AIRPORT VICINITY MAP

TREE PRESERVATION LEGEND

EXISTING TREE TO BE REMOVED

L.A. No. 3404 Date 5/15/2025

SHEET NUMBER TP 1.01

CONTRACTOR SHALL NOT REMOVE ANY TREE UNTIL A TREE REMOVAL PERMIT HAS BEEN OBTAINED FROM THE APPLICABLE CITY AUTHORITY. A FORMAL TREE REMOVAL PERMIT MUST BE REQUESTED AND APPROVED PRIOR TO ANY TREE DISTURBANCE OR REMOVAL ACTIVITIES. THESE PLANS DO CONSTITUTE AUTHORIZATION FOR TREE REMOVAL, NOR DO THEY IMPLY APPROVAL FOR SUCH ACTION. APPROVAL OF THESE PLANS BY THE CITY IS REQUIRED AS PART OF THE TREE REMOVAL PERMITTING PROCESS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL REQUIRED PERMITS ARE SECURED PRIOR TO COMMENCING WORK.

> SITE PLAN FOR FUEL CITY - ROCKWALL LOT 2, BLOCK A CORNERSTONE COMMUNITY CHURCH

> > 4.34 ACRES

N. BUTLER SURVEY ABSTRACT NO. 20 City of Rockwall, Rockwall County, Texas Current Zoning: C (Commerical District) Proposed Land Use: Gas Station/ Car Wash Submitted: May 16th, 2025

Rockwall, Texas 75087 Contact: Glennon Langston Phone: 972-732-6085

Dallas, Texas 75207 Contact: Joseph Bickham Phone: 469-203-0159

Carroll Architects
750 E. Interstate 30, Ste. 110
Fuel City
801 S. Riverfront Boulevard,00
Kimley-Horn and Associates, Inc. 225 E. John W Carpenter FWY, Irving, Texas 75062 Contact: Jared Earney, P.E. Phone: 214-420-5600

### TREE PRESERVATION AND REMOVAL NOTES

1. CONTRACTOR SHALL COORDINATE WITH ISA CERTIFIED ARBORIST AND PROPERTY OWNERS TO VERIFY OBJECTIVES PRIOR TO COMMENCING ANY PRUNING OR TREE REMOVAL ACTIVITIES.

2. ALL CREW MEMBERS SHOULD BE WEARING THE APPROPRIATE SAFETY GEAR: HARD HATS, EYE PROTECTION, APPROVED BOOTS, HEARING

3. ANY TREES REMOVED, AND ALL TREE MATERIALS REMOVED SHALL BE REMOVED FROM THE PROPERTY AT THE CONTRACTOR'S EXPENSE

4. ALL TRASH AND DEBRIS FROM ANY CONSTRUCTION RELATED ACTIVITIES SHALL BE REMOVED FROM THE SITE AT THE CONTRACTOR'S EXPENSE, FOLLOWING COMPLETION OF THE PROJECT.

5. ANY DAMAGE TO THE EXISTING LANDSCAPE, PAVEMENT, BUILDING, OR ANY OTHER SITE FEATURES SHALL BE REPLACED BY THE CONTRACTOR AND/OR RESTORED TO PRE-CONSTRUCTION CONDITION.

6. CONTRACTOR SHALL PROVIDE REMOVAL, STORAGE, AND TRANSPLANTING OF EXISTING TREES ON SITE. THE CONTRACTOR SHALL REMOVE EACH EXISTING TREE THROUGH THE USE OF HAND DIGGING, OR WITH THE USE OF AN APPROVED MECHANICAL DEVICE. TREES SHALL BE HARVESTED AS BALLED & BURLAPPED TREE SPECIMENS, PER ANSI Z60 STANDARDS, AND TRANSPORTED TO NEW LOCATION ON SITE, OR AT ALTERNATE SITE AS DIRECTED OR APPROVED BY THE OWNER. CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS NECESSARY TO PROVIDE FOR REMOVAL, PLACEMENT OF BURLAP, PLACEMENT OF WIRE BASKET OR OTHER APPROVED BALL-SUPPORTING DEVICE, TRANSPORT TO TEMPORARY STORAGE AREA, ONGOING MAINTENANCE AND WATERING DURING CONSTRUCTION, AND RE-PLANTING TO BE PERFORMED UPON COMPLETION OF MAJOR SITE WORK. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE GUIDELINES AND RECOMMENDATIONS SET FORTH IN THE AMERICAN STANDARDS FOR NURSERY STOCK.

PROTECTION, CHAIN SAW CHAPS FOR GROUNDWORK.

1 1	1		I	1	1					I , , , , , , , , , , , , , , , , , , ,				Γ			T	
<b>TAG# DB</b> 1552 6.	<b>BH</b> 6.2	eastern redcedar	Juniperus virginiana	CONDITION Healthy (5)	MULTIPLE-STEMMED Single	PROTECT OR REMOVE Remove	MITIGATION REQUIRED (IN)	8220 5.5 8221 6.8	eastern redcedar eastern redcedar	Juniperus virginiana  Juniperus virginiana	Healthy (5) Healthy (5)	Single Single	Remove Remove	4	8357 6.3 8358 7.6	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	, , ,
1552 0. 1553 6.	5.2 6.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8222 24.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Multi	Remove	4	8359 6.8	eastern redcedar	Juniperus virginiana	
1554 13.	3.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Multi	Remove	4	8223 5.5	American elm	Ulmus americana	Healthy (5)	Single	Remove	5.5'	8360 6.0	eastern redcedar	Juniperus virginiana	Healthy (5)
1555 8.	3.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8224 24.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4	8361 10.8	hackberry	Celtis laevigata	, , ,
1000	5.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8225 12.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8362 4.8	eastern redcedar	Juniperus virginiana	, , ,
1557 8.	3.7	eastern redeedar	Juniperus virginiana	Healthy (5)	Multi	Remove	4	8226 10.3	eastern redeedar	Juniperus virginiana	Healthy (5)	Single	Remove Remove	4	8363 7.3 8364 4.8	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	<u> </u>
1558 4. 1559 7.	4.5 7.0	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	Healthy (5) Healthy (5)	Single Single	Remove Remove	4	8227 5.1 8228 9.3	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	Healthy (5) Healthy (5)	Single Forked	Remove	<u>4</u> 4	8365 5.6	eastern redcedar	Juniperus virginiana	
1560 10.	0.6	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4	8229 6.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8366 6.0	eastern redcedar	Juniperus virginiana	Healthy (5)
	5.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8230 5.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8367 7.2	eastern redcedar	Juniperus virginiana	• • • • • • • • • • • • • • • • • • • •
1562 6.	6.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8231 11.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8368 6.5	eastern redcedar	Juniperus virginiana	, , ,
1563 6.	5.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8232 4.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8369 7.3 8370 4.8	eastern redcedar hackberry	Juniperus virginiana Celtis laevigata	- ' ' '
1564 12.	2.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Multi	Remove	4	8233 6.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8371 7.0	eastern redcedar	Juniperus virginiana	, , ,
1565 5. 1566 4.	0.1	eastern redeedar	Juniperus virginiana	Healthy (5) Healthy (5)	Single Single	Remove Remove	4	8234 10.6	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8372 6.1	hackberry	Celtis laevigata	
	6.0	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	Healthy (5)	Single	Remove	4	8235   12.0   8236   7.3	hackberry eastern redcedar	Celtis laevigata  Juniperus virginiana	Healthy (5) Healthy (5)	Single Single	Remove Remove	4	8373 7.3	hackberry	Celtis laevigata	Healthy (5)
	5.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8237 5.2	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8374 12.2	hackberry	Celtis laevigata	Declining (1)
1569 5.	5.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8238 5.8	American elm	Ulmus americana	Healthy (5)	Single	Remove	5.8	8375 18.6	hackberry	Celtis laevigata	, , ,
1570 6.	5.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4	8239 5.0	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8376 9.9 8377 5.9	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	
	5.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8240 4.0	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8378 3.6	live oak	Quercus virginiana	, , ,
1572 5. 1573 8.	5.9 B.4	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	Healthy (5) Healthy (5)	Single Single	Remove Remove	4	8241 9.1	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8379 3.1	live oak	Quercus virginiana	
1573 6. 1574 6.		eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4	8242 4.3 8243 22.7	hackberry eastern redcedar	Celtis laevigata Juniperus virginiana	Healthy (5) Healthy (5)	Single Multi	Remove Remove	4	8380 3.1	live oak	Quercus virginiana	Healthy (5)
1575 7.	7.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8244 7.1	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8381 3.9	live oak	Quercus virginiana	- ' ' '
1576 5.	5.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8245 14.3	American elm	Ulmus americana	Healthy (5)	Forked	Remove	14.3	8382 4.2 8383 3.3	live oak	Quercus virginiana Quercus virginiana	, , ,
	9.9	eastern redcedar	Juniperus virginiana	Healthy (5)	Multi	Remove	4	8246 9.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8384 4.4	live oak	Quercus virginiana	
1578 14.		eastern redcedar	Juniperus virginiana	Healthy (5)	Multi	Remove	4	8247 7.4	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8385 2.6	live oak	Quercus virginiana	Healthy (5)
1579 7. 1580 5.	7.3 5.8	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	Healthy (5) Healthy (5)	Forked Forked	Remove Remove	4	8248 6.5 8249 5.4	eastern redcedar hackberry	Juniperus virginiana  Celtis laevigata	Healthy (5) Healthy (5)	Forked Single	Remove Remove	4	8386 3.1	live oak	Quercus virginiana	
	5.6 6.4	eastern redcedar	Juniperus virginiana  Juniperus virginiana	Healthy (5)	Single	Remove	4	8249 5.4 8250 5.0	hackberry	Celtis laevigata  Celtis laevigata	Healthy (5)	Single	Remove	0	8387 2.9	live oak	Quercus virginians	, , , ,
1582 10.	<del>-                                    </del>	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4	8251 5.3	American elm	Ulmus americana	Healthy (5)	Single	Remove	5.3	8388 3.8 8389 4.2	live oak	Quercus virginiana Quercus virginiana	• • • •
	6.5	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8252 5.2	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8390 3.9	live oak	Quercus virginiana	
	5.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4	8253 4.1	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8391 4.1	live oak	Quercus virginiana	• • • • • • • • • • • • • • • • • • • •
	5.4	eastern redeedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8254 4.4	hackberry	Celtis laevigata	Healthy (5)	Forked	Remove	0	8392 6.2	live oak	Quercus virginiana	, , , ,
1 1 1 1 1	4.5 3.6	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	Healthy (5) Healthy (5)	Multi Single	Remove Remove	4 1	8255 6.2 8256 11.8	hackberry hackberry	Celtis laevigata Celtis laevigata	Healthy (5) Healthy (5)	Multi Multi	Remove Remove	0	8393 4.1	live oak	Quercus virginiana	
1595 6. 1596 6.	5.4	eastern redcedar	Juniperus virginiana  Juniperus virginiana	Healthy (5)	Single	Remove	4	8256 11.8 8257 8.8	hackberry hackberry	Celtis laevigata  Celtis laevigata	Healthy (5)	Single	Remove	0	8394 4.3 8395 5.1	live oak	Quercus virginiana Quercus virginiana	- ' ' '
1597 5.	5.7	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8258 6.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8395 5.1 8396 11.3	eastern redcedar	Juniperus virginiana	
1598 11.	1.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Multi	Remove	4	8259 6.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8397 14.6	eastern redcedar	Juniperus virginiana	
1599 7.	7.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Multi	Remove	4	8260 5.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8398 7.6	eastern redcedar	Juniperus virginiana	Healthy (5)
	5.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Multi	Remove	4	8261 9.8	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8399 8.3	eastern redcedar	Juniperus virginiana	- ' '
1601 5.	5.0	eastern redcedar	Juniperus virginiana	Healthy (5) 1 <b>602-7900 were no</b>	Single	Remove	4	8262 9.5 8263 4.4	hackberry eastern redcedar	Celtis laevigata  Juniperus virginiana	Healthy (5) Healthy (5)	Single Single	Remove Remove	0	8400 7.4	eastern redcedar	Juniperus virginiana	gs 8401-8450 were i
7901 9.	9.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8264 6.1	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8451 6.4	eastern redcedar	Juniperus virginiana	
	6.0	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8265 6.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8452 6.1	eastern redcedar	Juniperus virginiana	
7903 7.	7.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8266 5.1	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8453 6.5	eastern redcedar	Juniperus virginiana	na Healthy (5)
7904 6.	5.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8267 6.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8454 7.1	eastern redcedar	Juniperus virginiana	, , ,
7905 10. 7906 14.	0.3	eastern redcedar eastern redcedar	Juniperus virginiana	Healthy (5) Healthy (5)	Single Forked	Remove Remove	4	8268 7.5	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8455 6.2 8456 8.3	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	, , ,
	8.5	eastern redcedar	Juniperus virginiana Juniperus virginiana	Healthy (5)	Single	Remove	4	8269 5.3 8270 8.2	eastern redcedar hackberry	Juniperus virginiana  Celtis laevigata	Healthy (5) Healthy (5)	Single Single	Remove Remove	0	8457 15.3	eastern redcedar	Juniperus virginiana	
7908 14.		eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4	8271 6.3	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8458 11.3	eastern redcedar	Juniperus virginiana	
7909 6.	6.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8272 8.6	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8459 9.6	eastern redcedar	Juniperus virginiana	a Healthy (5)
7910 7.	7.9	eastern redcedar	Juniperus virginiana	-		Damas in	4									<del> </del>		
			<del>-</del>	Healthy (5)	Single	Remove	4	8273 5.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8460 9.8	eastern redcedar	Juniperus virginiana	, , ,
7911 8.	8.7 5.7	eastern redeedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8274 17.2	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	4 0		eastern redcedar d tag series: 1551-1601	<u> </u>	, , ,
7911 8. 7912 5.	5.7	eastern redcedar	Juniperus virginiana Juniperus virginiana	Healthy (5) Healthy (5)	Single Single	Remove Remove	4 4 4	8274 17.2 8275 10.2	hackberry hackberry	Celtis laevigata Celtis laevigata	Healthy (5) Healthy (5)	Single Single	Remove Remove	0		d tag series: 1551-1601	1, 7901-7950, 8201-84	, , ,
7911 8. 7912 5. 7913 16.	5.7		Juniperus virginiana	Healthy (5)	Single	Remove	4 4 4 4	8274 17.2	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	4 0 0 0 0 4	Kimley-Horn re	d tag series: 1551-1601	1, 7901-7950, 8201-84	100, and 8451-8460.
7911 8. 7912 5. 7913 16. 7914 8. 7915 6.	5.7 6.6 8.8 6.7	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana Juniperus virginiana Juniperus virginiana Juniperus virginiana	Healthy (5) Healthy (5) Healthy (5) Healthy (5) Healthy (5) Healthy (5)	Single Single Multi Forked Single	Remove Remove Remove Remove Remove	4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8	hackberry hackberry hackberry	Celtis laevigata Celtis laevigata Celtis laevigata	Healthy (5) Healthy (5) Healthy (5)	Single Single Forked	Remove Remove	0	Kimley-Horn red	tag series: 1551-1601  TREE MITIGAT	1, 7901-7950, 8201-84	, , ,
7911 8. 7912 5. 7913 16. 7914 8. 7915 6. 7916 6.	5.7 5.6 8.8 6.7 6.3	eastern redcedar eastern redcedar eastern redcedar eastern redcedar eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single	Remove Remove Remove Remove Remove Remove Remove	4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana	Healthy (5)	Single Single Forked Single Single Single	Remove Remove Remove Remove Remove Remove Remove	0 0 4 4 4	Total Mitigation Total Provided I	d tag series: 1551-1601	1, 7901-7950, 8201-84	100, and 8451-8460.
7911 8. 7912 5. 7913 16. 7914 8. 7915 6. 7916 6. 7917 14.	5.7 5.6 3.8 6.7 6.3 4.2	eastern redcedar eastern redcedar eastern redcedar eastern redcedar eastern redcedar eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi	Remove Remove Remove Remove Remove Remove Remove Remove	4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata	Healthy (5)	Single Single Forked Single Single Single Single Single	Remove Remove Remove Remove Remove Remove Remove Remove	0 0 4 4 4 0	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 4" Cal.	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental	1, 7901-7950, 8201-84	100, and 8451-8460.
7911 8. 7912 5. 7913 16. 7914 8. 7915 6. 7916 6. 7917 14. 7918 8.	5.7 5.6 8.8 6.7 6.3	eastern redcedar eastern redcedar eastern redcedar eastern redcedar eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove Remove Remove Remove Remove Remove Remove	4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata	Healthy (5)	Single Single Forked Single Single Single Single Single Single Single	Remove Remove Remove Remove Remove Remove Remove Remove Remove	0 0 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal.	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental	1, 7901-7950, 8201-84	883.5 312
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.	5.7 5.6 3.8 6.7 6.3 4.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi	Remove	4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata	Healthy (5)	Single Single Forked Single Single Single Single Single	Remove Remove Remove Remove Remove Remove Remove Remove	0 0 4 4 4 0	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental Needed	ΠΟΝ	312 571.5
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.	5.7 6.6 3.8 6.7 6.3 4.2 3.5 7.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Multi Single Single	Remove	4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata	Healthy (5)	Single Single Forked Single Single Single Single Single Single Single Single	Remove	0 0 4 4 4 0 0	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal.	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental Needed	ΠΟΝ	883.5 312
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.	5.7 6.6 3.8 6.7 6.3 4.2 8.5 7.3 5.9 6.8 0.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Single Single Single Single Single Single Single	Remove	4 4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata	Healthy (5)	Single Single Forked Single Single Single Single Single Single Single Single Single	Remove	0 0 4 4 4 0 0 0	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental Needed	ΠΟΝ	312 571.5
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Single Single Single Single Single Single Single Forked	Remove	4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata	Healthy (5) Declining (1) Healthy (5) Healthy (5)	Single Single Forked Single	Remove	0 0 4 4 4 0 0 0	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental Needed	ΠΟΝ	312 571.5
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.	5.7 6.6 3.8 6.7 6.3 4.2 8.5 7.3 5.9 6.8 0.2 2.5 3.5	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Single Single Single Single Single Single Forked Forked	Remove	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 4 4 4 0 0 0	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental Needed	ΠΟΝ \$ 114,	883.5 312 571.5 ,300.00
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Single Single Single Single Single Single Single Forked	Remove	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata	Healthy (5) Declining (1) Healthy (5) Healthy (5) Healthy (5) Healthy (5) Healthy (5) Healthy (5)	Single Single Forked Single	Remove	0 0 4 4 4 0 0 0	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation Total Mitigation Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost	1, 7901-7950, 8201-84	883.5 312 571.5 ,300.00
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.         7925       8.         7927       7.	5.7 6.6 3.8 6.7 6.3 4.2 8.5 7.3 5.9 6.8 0.2 2.5 3.5	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Forked Forked Single Single	Remove	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 4 4 4 0 0 0	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation Total Mitigation Total Mitigation  NOTE: CONTRACT HAS BEEN	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost	1, 7901-7950, 8201-84	312 571.5 ,300.00 TREE UNTIL A T
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.         7925       8.         7926       7.         7928       5.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Forked Forked Single Single Single	Remove	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation Total Mitigation Total Mitigation Total Mitigation REMOVAL	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental So" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B	REMOVE ANY TO THE APPLICAL REQUESTED A	571.5 ,300.00  TREE UNTIL A TABLE CITY AUTH
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.         7925       8.         7927       7.         7928       5.         7929       8.	5.7 5.6 3.8 5.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Forked Forked Forked Single Single Single Single	Remove	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3       8292     7.4	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation Total Mitigation Total Mitigation  NOTE: CONTRACT HAS BEEN REMOVAL DISTURBA	TREE MITIGAT Required Inches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental So" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B	REMOVE ANY TO THE APPLICATION THE APPLICATION AL ACTIVITIES.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.         7925       8.         7926       7.         7928       5.         7929       8.         7930       7.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 7.6 7.4 5.8 3.7 7.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Forked Forked Single Single Single Single Single	Remove	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3       8293     12.4	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation Total Mitigation Total Mitigation Total Mitigation HAS BEEN REMOVAL DISTURBA AUTHORIZ	TREE MITIGAT Required Inches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE	REMOVE ANY TO THE APPLICATION THE APPLICATION AL ACTIVITIES. TERMOVAL, NO	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.         7925       8.         7927       7.         7928       5.         7929       8.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 7.6 7.4 5.8 3.7 7.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Forked Forked Forked Single Single Single Single	Remove	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3       8292     7.4       8293     12.4       8294     8.3	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation Total Mitigation Total Mitigation Total Mitigation ANOTE: CONTRACT HAS BEEN REMOVAL DISTURBA AUTHORIZ SUCH ACT	TREE MITIGAT Required Inches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 150" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE	REMOVE ANY TO ALL ACTIVITIES. TERMOVAL, NO OF THESE PLAN	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.         7925       8.         7926       7.         7928       5.         7929       8.         7930       7.         7931       4.         7932       7.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 7.6 7.4 5.8 3.7 7.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Forked Forked Forked Single Single Single Single Single Single Single	Remove		8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3       8293     12.4	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation Total Mitigation Total Mitigation Total Mitigation  NOTE: CONTRACT HAS BEEN REMOVAL DISTURBA AUTHORIZ SUCH ACT OF THE TR	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.         7925       8.         7927       7.         7928       5.         7929       8.         7930       7.         7931       4.         7932       7.         7933       9.         7934       14.	5.7 5.6 8.8 6.7 6.3 4.2 8.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 4.2 7.1 9.8 4.2	eastern redcedar	Juniperus virginiana Sideroxylon lanuginosum Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove		8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3       8292     7.4       8293     12.4       8294     8.3       8295     12.2	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.         7925       8.         7927       7.         7928       5.         7929       8.         7930       7.         7931       4.         7932       7.         7933       9.         7934       14.         7935       8.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 7.6 7.4 5.8 8.7 7.4 4.2 7.1 9.8 4.2 8.9	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove		8274       17.2         8275       10.2         8276       13.8         8277       7.8         8278       5.9         8279       5.1         8280       4.2         8281       5.1         8282       4.3         8283       4.7         8284       12.1         8285       5.2         8286       6.2         8287       12.6         8288       6.7         8289       4.9         8290       16.8         8291       11.3         8292       7.4         8293       12.4         8294       8.3         8295       12.2         8296       7.9         8297       4.6         8298       7.1	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation Total Mitigation Total Mitigation Total Mitigation  NOTE: CONTRACT HAS BEEN REMOVAL DISTURBA AUTHORIZ SUCH ACT OF THE TR	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7927         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.	5.7 5.6 3.8 5.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 4.2 7.1 9.8 4.2 3.9 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove		8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3       8292     7.4       8293     12.4       8294     8.3       8295     12.2       8296     7.9       8297     4.6       8298     7.1       8299     8.8	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.         7925       8.         7926       7.         7928       5.         7929       8.         7930       7.         7931       4.         7932       7.         7933       9.         7934       14.         7935       8.         7936       16.         7937       7.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 7.6 7.4 5.8 8.7 7.4 4.2 7.1 9.8 4.2 8.9	eastern redcedar	Juniperus virginiana Celtis laevigata	Healthy (5)	Single Single Multi Forked Single Single Multi Single Multi Single Single Single Single Single Single Single Single Forked Forked Forked Single	Remove	0 4 4 4 4	8274       17.2         8275       10.2         8276       13.8         8277       7.8         8278       5.9         8279       5.1         8280       4.2         8281       5.1         8282       4.3         8283       4.7         8284       12.1         8285       5.2         8286       6.2         8287       12.6         8288       6.7         8289       4.9         8290       16.8         8291       11.3         8292       7.4         8293       12.4         8294       8.3         8295       12.2         8296       7.9         8297       4.6         8298       7.1         8299       8.8         8300       5.2	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.	5.7 6.6 8.8 6.7 6.3 4.2 8.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 4.2 7.1 9.8 4.2 3.9 6.8 7.5 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3       8292     7.4       8293     12.4       8294     8.3       8295     12.2       8296     7.9       8297     4.6       8298     7.1       8299     8.8	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.	5.7 6.6 8.8 6.7 6.3 4.2 8.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 4.2 7.1 9.8 4.2 3.9 6.8 7.5 6.8	eastern redcedar	Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4	8274       17.2         8275       10.2         8276       13.8         8277       7.8         8278       5.9         8279       5.1         8280       4.2         8281       5.1         8282       4.3         8283       4.7         8284       12.1         8285       5.2         8286       6.2         8287       12.6         8288       6.7         8289       4.9         8290       16.8         8291       11.3         8292       7.4         8293       12.4         8294       8.3         8295       12.2         8296       7.9         8297       4.6         8298       7.1         8299       8.8         8300       5.2         8301       5.9	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7941         8.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 3.9 6.8 7.5 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4	8274       17.2         8275       10.2         8276       13.8         8277       7.8         8278       5.9         8279       5.1         8280       4.2         8281       5.1         8282       4.3         8283       4.7         8284       12.1         8285       5.2         8286       6.2         8287       12.6         8288       6.7         8289       4.9         8290       16.8         8291       11.3         8292       7.4         8293       12.4         8294       8.3         8295       12.2         8296       7.9         8297       4.6         8298       7.1         8299       8.8         8300       5.2         8301       5.9         8302       5.7	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7927         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7941         8.           7942         6.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 3.9 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 0 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7941         8.           7942         6.           7943         7.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 4.2 7.1 9.8 4.2 3.7 7.4 4.2 7.1 9.8 4.2 5.8 6.8 6.7 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 0 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7941         8.           7942         6.           7943         7.           7943         7.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 7.1 9.8 4.2 6.8 6.7 6.8 6.8 6.7 7.4 6.8 6.8 6.7 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 0 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7941         8.           7942         6.           7943         7.           7945         6.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 7.1 9.8 4.2 6.8 6.7 6.8 6.8 6.7 7.4 6.8 6.8 6.7 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 0 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7927         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7941         8.           7942         6.           7943         7.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 3.9 6.8 6.7 6.8 6.7 6.8 6.8 6.7 7.4 6.8 6.8 6.7 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 0 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8306         14.0           8307         9.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7943         7.           7943         7.           7945         6.           7946         8.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 3.9 6.8 7.5 5.8 6.7 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.5 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.5 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 0 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7927         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7941         8.           7942         6.           7943         7.           7946         8.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 7.1 9.8 4.2 7.1 9.8 6.8 7.5 6.8 6.7 6.8 6.8 6.7 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7943         7.           7945         6.           7946         8.           7947         6.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 7.1 9.8 4.2 7.1 9.8 6.8 6.7 6.8 6.8 6.7 7.4 6.8 6.8 6.7 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 0 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A  BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH ED PERMITS A</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A  BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH ED PERMITS A
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7941         8.           7942         6.           7943         7.           7948         6.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 7.1 9.8 4.2 7.1 9.8 4.2 7.5 5.8 6.8 7.3 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7943         7.           7945         6.           7947         6.           7948         6.           794	5.7 5.7 6.6 8.8 6.7 6.3 4.2 8.5 7.3 5.9 6.8 0.2 2.5 3.5 8.7 7.6 7.4 4.2 7.1 9.8 4.2 3.5 5.8 6.8 7.4 4.2 7.4 4.2 7.1 9.8 6.8 6.8 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A  BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH ED PERMITS A</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A  BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH ED PERMITS A
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7943         7.           7945         6.           7946         8.           7947         6.           794	5.7 5.7 6.6 8.8 6.7 6.3 4.2 8.5 7.3 5.9 6.8 0.2 2.5 3.5 8.7 7.6 7.4 4.2 7.1 9.8 4.2 3.5 5.8 6.8 7.4 4.2 7.4 4.2 7.1 9.8 6.8 6.8 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A  BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH ED PERMITS A</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A  BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH ED PERMITS A
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7943         7.           7945         6.           7946         8.           7947         6.           794	5.7 5.7 6.6 8.8 6.7 6.3 4.2 8.5 7.3 5.9 6.8 0.2 2.5 3.5 8.7 7.6 7.4 5.8 8.7 7.4 4.2 7.1 9.8 4.2 8.9 6.8 6.7 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.8 6.7 7.4 6.8 6.8 6.7 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single   Single   Multi   Forked   Single   Multi   Single   Sin	Remove	0 4 4 4 4 0 0 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A TABLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY CESS. IT IS THE ED PERMITS A TABLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY CESS. IT IS THE ED PERMITS A TABLE CITY AUTH AND APPROVE AND A THE CITY CESS. IT IS THE ED PERMITS A TABLE CORN.</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A TABLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY CESS. IT IS THE ED PERMITS A TABLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY CESS. IT IS THE ED PERMITS A TABLE CITY AUTH AND APPROVE AND A THE CITY CESS. IT IS THE ED PERMITS A TABLE CORN.
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7941         8.           7942         6.           7943         7.           7946         8.           7947         6.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 7.1 9.8 4.2 7.1 9.8 6.8 6.7 6.8 6.7 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single   Single   Multi   Forked   Single   Si	Remove	0 4 4 4 4 0 0 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8309         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Juniperus virginiana Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CORN N. City</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Juniperus virginiana Juniperus virginiana Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CORN N. City
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7943         7.           7945         6.           7947         6.           7948         6.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 3.9 6.8 7.5 5.8 6.7 6.8 6.7 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.5 6.8 6.8 7.5 6.8 6.8 7.5 6.8 6.8 7.5 6.8 6.8 6.8 7.5 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 0 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A TOUR AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CUTY CUTY CUTY CUTY CUTY</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A TOUR AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CUTY CUTY CUTY CUTY CUTY
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7943         7.           7948         6.           7949         8.           7950         11.           82	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 7.1 9.8 4.2 7.1 9.8 6.8 6.7 6.8 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single   Single   Multi   Forked   Single   Si	Remove	0 4 4 4 4 0 0 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CORN N. City</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CORN N. City
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7927         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7943         7.           7945         6.           7947         6.           794	5.7 5.7 6.6 8.8 6.7 6.3 4.2 8.5 7.3 5.9 6.8 7.2 2.5 3.5 8.7 7.6 7.4 4.2 7.1 9.8 4.2 3.7 7.4 4.2 7.1 9.8 6.8 6.7 7.4 6.8 6.8 6.7 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 0 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A TOUR AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CUTY CUTY CUTY CUTY CUTY</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A TOUR AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CUTY CUTY CUTY CUTY CUTY
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7927         7.           7928         5.           7929         8.           7930         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7943         7.           7945         6.           7947         6.           7948         6.           7949         8.           795	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 7.1 9.8 4.2 7.1 9.8 4.2 7.1 9.8 6.8 6.7 6.8 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 6.8 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single	Remove	0 4 4 4 4 0 0 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A TOUR AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CUTY CUTY CUTY CUTY CUTY</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A TOUR AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CUTY CUTY CUTY CUTY CUTY
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7927         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7941         8.           7945         6.           7946         8.           7947         6.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 3.9 6.8 6.7 6.8 6.7 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.7 6.8 6.7 6.8 6.7 6.8 6.7 6.8 6.7 6.8 6.8 6.7 6.8 6.7 6.8 6.7 6.8 6.8 6.7 6.8 6.8 6.7 6.8 6.8 6.7 6.8 6.7 6.8 6.8 6.7 6.7 6.8 6.7 6.7 6.8 6.7 6.7 6.8 6.7 6.7 6.8 6.7 6.7 6.8 6.7 6.7 6.8 6.7 6.7 6.8 6.7 6.7 6.8 6.7 6.7 6.7 6.8 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single	Remove	0 4 4 4 4 0 0 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH ED PERMITS A  Architect: Carroll Architects</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH ED PERMITS A  Architect: Carroll Architects
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7920         7.           7928         5.           7929         8.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7947         6.           7948         6.           7949         8.           7940         6.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 7.1 9.8 4.2 7.1 9.8 6.8 7.5 6.8 6.7 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single	Remove	0 4 4 4 4 0 0 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Si</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY CESS. IT IS THE ED PERMITS A Architect:</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single Si	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY CESS. IT IS THE ED PERMITS A Architect:

1	-:-		, ,	, (5)		,,	
358	7.6	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
359	6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
360	6.0	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
61	10.8	hackberry	Celtis laevigata	Healthy (5)	Forked	Remove	0
362	4.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
63	7.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
364	4.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
365	5.6	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
366	6.0	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
367	7.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
368			Juniperus virginiana			Remove	4
	6.5	eastern redcedar	· -	Healthy (5)	Single		
369	7.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
370	4.8	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0
371	7.0	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
372	6.1	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0
373	7.3	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0
374	12.2	hackberry	Celtis laevigata	Declining (1)	Single	Remove	0
375	18.6	hackberry	Celtis laevigata	Healthy (5)	Forked	Remove	0
376	9.9	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
377	5.9	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
378	3.6	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.6
379	3.1	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.1
380	3.1	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.1
381	3.9	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.9
382	4.2	live oak	Quercus virginiana	Healthy (5)	Single	Remove	4.2
383	3.3	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.3
384	4.4	live oak	Quercus virginiana	Healthy (5)	Single	Remove	4.4
385	2.6	live oak	Quercus virginiana	Healthy (5)	Single	Remove	2.6
386	3.1	live oak	Quercus virginiana  Quercus virginiana	Healthy (5)	Single	Remove	3.1
387	2.9		-				2.9
		live oak	Quercus virginiana	Healthy (5)	Single	Remove	
388	3.8	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.8
389	4.2	live oak	Quercus virginiana	Healthy (5)	Single	Remove	4.2
390	3.9	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.9
391	4.1	live oak	Quercus virginiana	Healthy (5)	Single	Remove	4.1
392	6.2	live oak	Quercus virginiana	Healthy (5)	Forked	Remove	6.2
393	4.1	live oak	Quercus virginiana	Healthy (5)	Single	Remove	4.1
394	4.3	live oak	Quercus virginiana	Healthy (5)	Single	Remove	4.3
395	5.1	live oak	Quercus virginiana	Healthy (5)	Forked	Remove	5.1
396	11.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4
397	14.6	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4
398	7.6	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
399	8.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
400	7.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
			· · ·	401-8450 were not			-
451	6.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
452	6.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
453	6.5	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
454	7.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
454 455			Juniperus virginiana  Juniperus virginiana		_		
	6.2	eastern redcedar		Healthy (5)	Single	Remove	4
456 457	8.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4
457	15.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
	11.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
458		eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4
458 459 460	9.6 9.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4

Remove

ONTRACTOR SHALL NOT REMOVE ANY TREE UNTIL A TREE REMOVAL PERMIT IAS BEEN OBTAINED FROM THE APPLICABLE CITY AUTHORITY. A FORMAL TREE EMOVAL PERMIT MUST BE REQUESTED AND APPROVED PRIOR TO ANY TREE ISTURBANCE OR REMOVAL ACTIVITIES. THESE PLANS DO CONSTITUTE AUTHORIZATION FOR TREE REMOVAL, NOR DO THEY IMPLY APPROVAL FOR SUCH ACTION. APPROVAL OF THESE PLANS BY THE CITY IS REQUIRED AS PART F THE TREE REMOVAL PERMITTING PROCESS. IT IS THE CONTRACTOR'S ESPONSIBILITY TO ENSURE ALL REQUIRED PERMITS ARE SECURED PRIOR TO OMMENCING WORK.

> SITE PLAN FOR FUEL CITY - ROCKWALL LOT 2, BLOCK A CORNERSTONE COMMUNITY CHURCH 4.34 ACRES

N. BUTLER SURVEY ABSTRACT NO. 20 City of Rockwall, Rockwall County, Texas Current Zoning: C (Commerical District) Proposed Land Use: Gas Station/ Car Wash Submitted: May 16th, 2025

Contact: Glennon Langston Phone: 972-732-6085

Contact: Joseph Bickham Phone: 469—203—0159

Architect:

Carroll Architects
750 E. Interstate 30, Ste. 110
Rockwall, Texas 75087

Controll, Clarge 75088

Engineer:

Kimley-Horn and Associates, Inc. 225 E. John W Carpenter FWY, Suite 1100

Suite 1100

Suite 1100

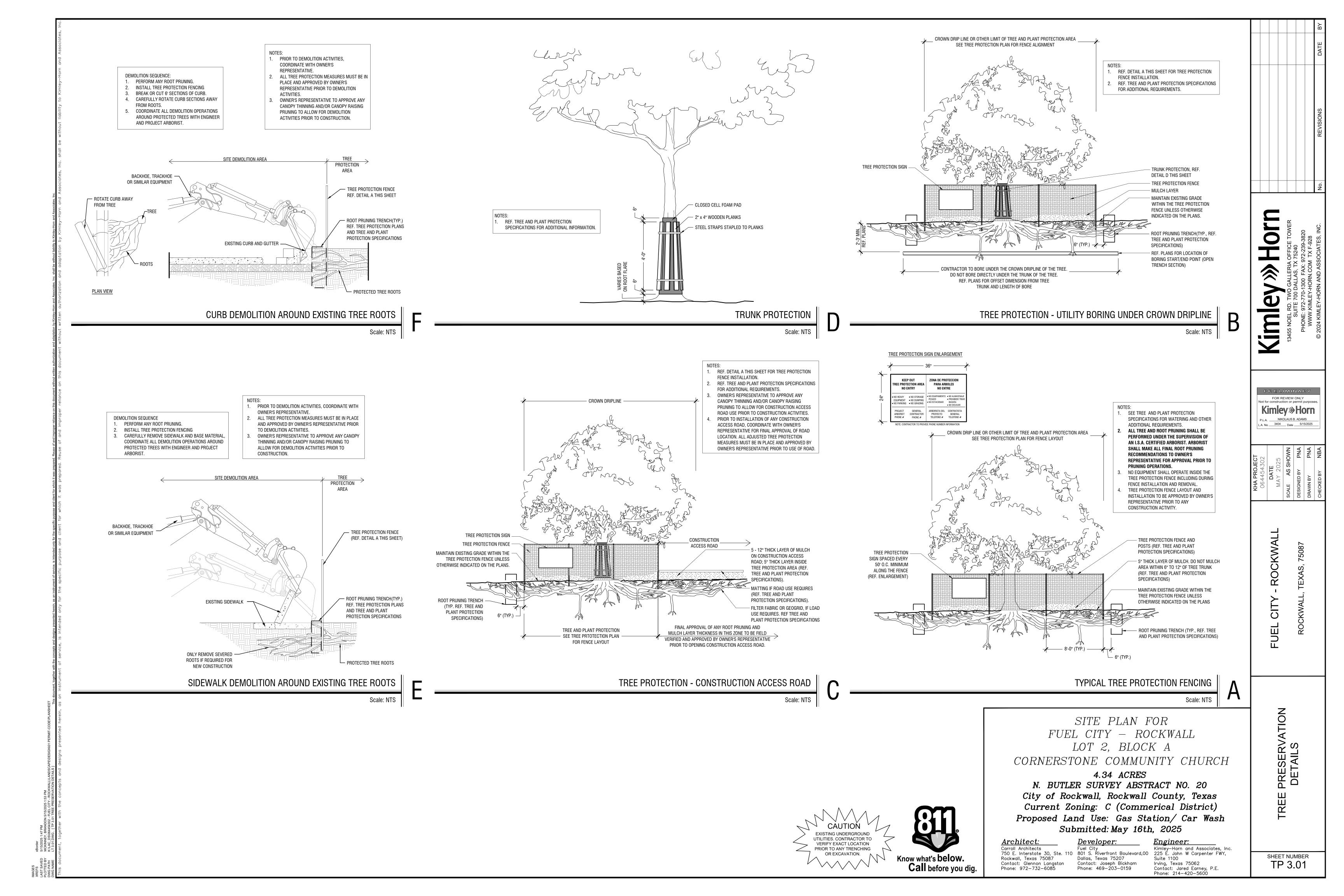
Figure 75088 Irving, Texas 75062 Contact: Jared Earney, P.E. Phone: 214—420—5600

FOR REVIEW ONLY
Not for construction or permit purpose

**Kimley Morn** 

P.L.A. NIKOLAUS B. ADAMS L.A. No. 3404 Date 5/15/2025

SHEET NUMBER TP 1.02



SHALL CONSIST OF SPECIFICATIONS AND GENERAL CONDITIONS AND THE DRAWINGS. THE INTENT OF THESE DOCUMENTS IS TO INCLUDE ALL LABOR, MATERIALS, AND SERVICES NECESSARY FOR THE PROPER EXECUTION OF THE WORK. THE DOCUMENTS ARE TO BE CONSIDERED AS ONE. WHATEVER IS CALLED FOR BY ANY PARTS SHALL BE AS BINDING AS IF

IT IS THE INTENT OF THIS SECTION THAT THE REQUIREMENTS APPLY TO ALL OTHER SECTIONS OF THE PROJECT SPECIFICATION SUCH THAT ANY SUBCONTRACTOR MUST COMPLY WITH THE RESTRICTIONS ON WORK WITHIN DESIGNATED

#### 1.3 RELATED DOCUMENTS AND REFERENCES

DIVISION I SPECIFICATIONS APPLY TO WORK OF THIS SECTION. 2. IRRIGATION SPECIFICATIONS

3. PLANTING SPECIFICATIONS

REFERENCES: THE FOLLOWING SPECIFICATIONS AND STANDARDS OF THE ORGANIZATIONS AND DOCUMENTS LISTED IN 2.2 MATTING SPECIFICATION SECTION, THE REQUIREMENTS OF THIS SPECIFICATION SHALL PREVAIL. IN THE EVENT THAT THE REQUIREMENTS OF ANY OF THE FOLLOWING REFERENCED STANDARDS AND SPECIFICATIONS CONFLICT WITH EACH OTHER, 2.3 GEOGRID

THE MORE STRINGENT REQUIREMENT SHALL PREVAIL. 1. ANSI A300 - STANDARD PRACTICES FOR TREE, SHRUB AND OTHER WOODY PLANT MAINTENANCE (9 PARTS), MOST

2. INTERNATIONAL SOCIETY OF ARBORICULTURE BEST MANAGEMENT PRACTICES (ISA BMP) MOST CURRENT EDITIONS.

a. TREE PRUNING b. SOIL MANAGEMENT FOR URBAN TREES

c. Tree Support Systems: Cabling, Bracing, Guying, and Propping

d. TREE LIGHTING PROTECTION SYSTEMS e. MANAGING TREES DURING CONSTRUCTION

f. TREE PLANTING

g. TREE RISK ASSESSMENT

h. TREE INVENTORY

j. TREE INJECTIONS

k. Tree and shrub fertilization

INTEGRATED PEST MANAGEMENT

3. PRUNING PRACTICES SHALL CONFORM WITH RECOMMENDATIONS "STRUCTURAL PRUNING: A GUIDE FOR THE GREEN INDUSTRY"; PUBLISHED BY URBAN TREE FOUNDATION, VISALIA, CALIFORNIA; MOST CURRENT EDITION. 4. GLOSSARY OF ARBORICULTURAL TERMS, INTERNATIONAL SOCIETY OF ARBORICULTURE, CHAMPAIGN IL, MOST CURRENT EDITION.

ALL SCALED DIMENSIONS ON THE DRAWINGS ARE APPROXIMATE. BEFORE PROCEEDING WITH ANY WORK, THE CONTRACTOR SHALL CAREFULLY CHECK AND VERIFY ALL DIMENSIONS AND QUANTITIES, AND SHALL IMMEDIATELY INFORM 3.3 TREE AND PLANT PROTECTION AREA: THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES BETWEEN THE INFORMATION ON THE DRAWINGS AND THE ACTUAL CONDITIONS, REFRAINING FROM DOING ANY WORK IN SAID AREAS UNTIL GIVEN APPROVAL TO DO SO BY THE OWNER'S REPRESENTATIVE.

THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS RELATED TO THIS SECTION OF THE WORK UNLESS PREVIOUSLY EXCLUDED UNDER PROVISION OF THE CONTRACT OR GENERAL CONDITIONS. THE CONTRACTOR SHALL SPECIFIED. IF THE CONTRACTOR OBSERVES THAT A CONFLICT EXISTS BETWEEN PERMIT REQUIREMENTS AND THE WORK OUTLINED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER'S REPRESENTATIVE IN WRITING INCLUDING A DESCRIPTION OF ANY NECESSARY CHANGES AND CHANGES TO THE CONTRACT PRICE RESULTING FROM CHANGES IN THE WORK.

WHEREVER REFERENCES ARE MADE TO STANDARDS OR CODES IN ACCORDANCE WITH WHICH WORK IS TO BE PERFORMED OR TESTED. THE EDITION OR REVISION OF THE STANDARDS AND CODES CURRENT ON THE EFFECTIVE DATE OF THIS CONTRACT SHALL APPLY, UNLESS OTHERWISE EXPRESSLY SET FORTH.

IN CASE OF CONFLICT AMONG ANY REFERENCED STANDARDS OR CODES OR BETWEEN ANY REFERENCED STANDARDS AND CODES AND THE SPECIFICATIONS, THE MORE RESTRICTIVE STANDARD OR CODE SHALL APPLY OR OWNER'S REPRESENTATIVE SHALL DETERMINE WHICH SHALL GOVERN.

1.6 PROTECTION OF WORK, PROPERTY AND PERSON THE CONTRACTOR SHALL PROTECT THE WORK, ADJACENT PROPERTY, AND THE PUBLIC, AND SHALL BE RESPONSIBLE FOR 3.5 SOIL MOISTURE

ANY DAMAGES OR INJURY DUE TO HIS/HER ACTIONS 1.7 CHANGES IN THE WORK THE OWNER'S REPRESENTATIVE MAY ORDER CHANGES IN THE WORK. AND THE CONTRACT SUM SHOULD BE ADJUSTED ACCORDINGLY. ALL SUCH ORDERS AND ADJUSTMENTS PLUS CLAIMS BY THE CONTRACTOR FOR EXTRA COMPENSATION

MUST BE MADE AND APPROVED IN WRITING BEFORE EXECUTING THE WORK INVOLVED.

THE CONTRACTOR SHALL RE-EXECUTE ANY WORK THAT FAILS TO CONFORM TO THE REQUIREMENTS OF THE CONTRACT AND SHALL REMEDY DEFECTS DUE TO FAULTY MATERIALS OR WORKMANSHIP UPON WRITTEN NOTICE FROM THE OWNER'S REPRESENTATIVE AT THE SOONEST POSSIBLE TIME THAT CAN BE COORDINATED WITH OTHER WORK AND SEASONAL

1.9 DEFINITIONS

ALL TERMS IN THIS SPECIFICATION SHALL BE AS DEFINED IN THE "GLOSSARY OF ARBORICULTURAL TERMS" OR AS

MODIFIED BELOW. 1. OWNER'S REPRESENTATIVE: THE PERSON APPOINTED BY THE OWNER TO REPRESENT THEIR INTEREST IN THE REVIEW AND APPROVAL OF THE WORK AND TO SERVE AS THE CONTRACTING AUTHORITY WITH THE CONTRACTOR. THE OWNER'S REPRESENTATIVE MAY APPOINT OTHER PERSONS TO REVIEW AND APPROVE ANY ASPECTS OF THE WORK. 2. REASONABLE AND REASONABLY: WHEN USED IN THIS SPECIFICATION IS INTENDED TO MEAN THAT THE CONDITIONS

CITED WILL NOT AFFECT THE ESTABLISHMENT OR LONG TERM STABILITY, HEALTH OR GROWTH OF THE PLANT. THIS SPECIFICATION RECOGNIZES THAT PLANTS ARE NOT FREE OF DEFECTS, AND THAT PLANT CONDITIONS CHANGE WITH TIME. THIS SPECIFICATION ALSO RECOGNIZES THAT SOME DECISIONS CANNOT BE TOTALLY BASED ON MEASURED FINDINGS AND THAT PROFESSION JUDGMENT IS REQUIRED. IN CASES OF DIFFERING OPINION, THE OWNER'S

REPRESENTATIVE EXPERT SHALL DETERMINE WHEN CONDITIONS WITHIN THE PLANT ARE JUDGED AS REASONABLE.

3. SHRUB: WOODY PLANTS WITH MATURE HEIGHT APPROXIMATELY LESS THAN 25 FEET. 4. TREE AND PLANT PROTECTION AREA: AREA SURROUNDING INDIVIDUAL TREES, GROUPS OF TREES, SHRUBS, OR OTHER THE OWNER'S REPRESENTATIVE. ROOT PRUNING SHALL BE IN CONFORMANCE WITH ANSI A300 VEGETATION TO BE PROTECTED DURING CONSTRUCTION, AND DEFINED BY A CIRCLE CENTERED ON THE TRUNK WITH EDITION.

REPRESENTATIVE OR THE CONSTRUCTION DRAWINGS 5. TREE: SINGLE AND MULTI-STEMMED PLANTS, INCLUDING PALMS WITH ANTICIPATED MATURE HEIGHT APPROXIMATELY GREATER THAN 25 FEET OR ANY PLANT IDENTIFIED ON THE PLANS AS A TREE.

EACH TREE WITH A RADIUS EQUAL TO THE CLOWN DRIPLINE UNLESS OTHERWISE INDICATED BY THE OWNER'S

1.10 SUBMITTALS ARBORIST REPORT

> A CONSULTING ARBORIST WHO IS A REGISTERED CONSULTING ARBORIST® (RCA) WITH AMERICAN SOCIETY OF CONSULTING ARBORISTS OR AN ISA BOARD CERTIFIED ARBORIST. WHICH DETAILS THE FOLLOWING INFORMATION FOR ALL TREES TO REMAIN WITHIN THE AREA DESIGNATED ON THE DRAWINGS AS THE TREE AND PLANT PROTECTION AREA. THE REPORT SHALL INCLUDE THE FOLLOWING

a. A DESCRIPTION OF EACH TREE TO REMAIN INDICATING ITS GENUS AND SPECIES, CONDITION INCLUDING ANY VISIBLI DAMAGE TO THE ROOT SYSTEM OR SOIL WITHIN THE ROOT ZONE. TREE DIAMETER AT BREAST HEIGHT (DBH) AND APPROXIMATE HEIGHT AND CANOPY SPREAD, SIZE AND ANY VISIBLE DISEASE, INSECT INFESTATIONS AND OR BRANCH AND TRUNK STRUCTURAL DEFICIENCIES.

b. THE REPORT SHALL NOTE ALL TREES OR PARTS OF TREES, WHICH ARE CONSIDERED A HAZARD OR SIGNIFICANT OR EXTREME RISK LEVEL. INCLUDE THE INTERNATIONAL SOCIETY OF ARBORICULTURE HAZARD EVALUATION SHEET FOR B. EACH TREE, WHICH MAY REASONABLY BE IDENTIFIED AS A POTENTIAL HAZARD TREE.

c. RECOMMENDATIONS AS TO TREATMENT OF ALL INSECT, DISEASE AND STRUCTURAL PROBLEMS ENCOUNTERED. d. RECOMMENDATIONS FOR FERTILIZER TREATMENTS. IF ANY. e. A PLAN OF THE SITE SHOWING THE LOCATION OF ALL TREES INCLUDED IN THE REPORT.

PRODUCT DATA

1. SUBMIT MANUFACTURER PRODUCT DATA AND LITERATURE DESCRIBING ALL PRODUCTS REQUIRED BY THIS SECTION TO THE OWNER'S REPRESENTATIVE FOR APPROVAL. PROVIDE SUBMITTAL BEFORE THE START OF ANY WORK AT THE

QUALIFICATIONS SUBMITTAL 1. FOR EACH APPLICABLE PERSON EXPECTED TO WORK ON THE PROJECT, PROVIDE COPIES OF THE QUALIFICATIONS AND 3.9 GENERAL REQUIREMENTS AND LIMITATIONS FOR OPERATIONS WITHIN THE TREE AND PLANT PROTECTION AREA: EXPERIENCE OF THE CONSULTING ARBORIST, PROOF OF EITHER THE REGISTERED CONSULTING ARBORIST® (RCA)

WITH AMERICAN SOCIETY OF CONSULTING ARBORISTS OR AN ISA BOARD CERTIFIED MASTER ARBORIST, ANY ISA CERTIED ARBORISTS, AND ANY REQUIRED HERBICIDE/PESTICIDE LICENSE TO THE OWNER'S REPRESENTATIVE, FOR REVIEW PRIOR TO THE START OF WORK.

1.11 OBSERVATION OF THE WORK A. THE OWNER'S REPRESENTATIVE MAY INSPECT THE WORK AT ANY TIME.

1.12 PRF-CONSTRUCTION CONFERENCE SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE OWNER'S REPRESENTATIVE AT LEAST SEVEN (7) DAYS BEFORE BEGINNING WORK TO REVIEW ANY QUESTIONS THE CONTRACTOR MAY HAVE REGARDING THE WORK, ADMINISTRATIVE PROCEDURES DURING CONSTRUCTION AND PROJECT WORK SCHEDULE.

1. THE FOLLOWING CONTRACTORS SHALL ATTEND THE PRECONSTRUCTION CONFERENCE:

 a. GENERAL CONTRACTOR. b. CONSULTING ARBORIST/CERTIFIED ARBORIST

c. TREE AND PLANT PROTECTION SUB-CONTRACTOR.

d. EARTHWORK SUB-CONTRACTOR. e. ALL SITE UTILITY SUB-CONTRACTORS THAT MAY BE REQUIRED TO DIG OR TRENCH INTO THE SOIL.

g. IRRIGATION SUB-CONTRACTOR. h. PRIOR TO THIS MEETING, MARK ALL TREES AND PLANTS TO REMAIN AND OR BE REMOVED AS DESCRIBED IN THIS

f. LANDSCAPE SUB-CONTRACTOR.

SPECIFICATION FOR REVIEW AND APPROVAL BY THE OWNER'S REPRESENTATIVE. 1.13 QUALITY ASSURANCE

A. CONTRACTOR QUALIFICATIONS:

1. ALL PRUNING, BRANCH TIE BACK, TREE REMOVAL, ROOT PRUNING, AND FERTILIZING REQUIRED BY THIS SECTION SHALL BE PERFORMED BY OR UNDER THE DIRECT SUPERVISION OF ISA CERTIFIED ARBORIST. SUBMIT AFOREMENTIONED INDIVIDUAL'S QUALIFICATIONS FOR APPROVAL BY THE OWNER'S REPRESENTATIVE

2. ALL APPLICATIONS OF PESTICIDE OR HERBICIDE SHALL BE PERFORMED BY A PERSON MAINTAINING A CURRENT STATE LICENSE TO APPLY CHEMICAL PESTICIDES VALID IN THE JURISDICTION OF THE PROJECT. SUBMIT COPIES OF ALL REQUIRED STATE LICENSING CERTIFICATES INCLUDING APPLICABLE CHEMICAL APPLICATOR LICENSES.

PART 2 PRODUCTS

1. DRAWINGS AND GENERAL PROVISIONS OF CONTRACT INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND A. HEAVY-DUTY PLASTIC LAMINATED OR CORRUGATED PLASTIC SIGNS, 24 INCHES X 36 INCHES, WHITE COLORED BACKGROUND WITH BLACK 2 INCH HIGH OR LARGER LETTERS BLOCK LETTERS. THE SIGNS SHALL BE STAKED ADJACENT TO EXISTING TREES. THE TREE PROTECTION SIGN SHALL READ "KEEP OUT - TREE AND PLANT PROTECTION AREA" AND OTHER PROJECT INFORMATION AS SHOWN ON DRAWINGS.

THIS PARAGRAPH FORM A PART OF THE SPECIFICATION TO THE EXTENT REQUIRED BY THE REFERENCES THERETO. IN THE A. MATTING FOR VEHICLE AND WORK PROTECTION SHALL BE HEAVY DUTY MATTING DESIGNED FOR VEHICLE LOADING OVER EVENT THAT THE REQUIREMENTS OF THE FOLLOWING REFERENCED STANDARDS AND SPECIFICATION CONFLICT WITH THIS

TREE ROOTS, ALTURNAMATS AS MANUFACTURED BY ALTURNAMATS, INC. FRANKLIN, PA 16323 OR APPROVED EQUAL. B. SUBMIT SUPPLIERS PRODUCT DATA THAT PRODUCT MEETS THE REQUIREMENTS FOR APPROVAL.

GEOGRID SHALL BE WOVEN POLYESTER FABRIC WITH PVC COATING, UNI-AXIAL OR BIAXIAL GEOGRID, INERT TO BIOLOGICAL DEGRADATION, RESISTANT TO NATURALLY OCCURRING CHEMICALS, ALKALIS, ACIDS.

1. GEOGRID SHALL BE MIRAGRID 2XT AS MANUFACTURED BY TEN CATE NICOLON, NORCROSS, GA. HTTP://WWW.TENCATE.COM OR APPROVED EQUAL.

B. SUBMIT SUPPLIERS PRODUCT DATA THAT PRODUCT MEETS THE REQUIREMENTS FOR APPROVAL.

FILTER FABRIC SHALL BE NONWOVEN POLYPROPYLENE FIBERS, INERT TO BIOLOGICAL DEGRADATION AND RESISTANT OF NATURALLY OCCURRING CHEMICALS, ALKALIS AND ACIDS.

1. MIRAFI 135 N AS MANUFACTURED BY TEN CATE NICOLON, NORCROSS, GA. <u>HTTP://www.tencate.com</u> or approved B. SUBMIT SUPPLIERS PRODUCT DATA THAT PRODUCT MEETS THE REQUIREMENTS FOR APPROVAL.

PART 3 EXECUTION

A. EXAMINE THE SITE, TREE, PLANT AND SOIL CONDITIONS. NOTIFY THE OWNER'S REPRESENTATIVE IN WRITING OF ANY CONDITIONS THAT MAY IMPACT THE SUCCESSFUL TREE AND PLANT PROTECTIONS THAT IS THE INTENT OF THIS SECTION.

3.2 COORDINATION WITH PROJECT WORK THE CONTRACTOR SHALL COORDINATE WITH ALL OTHER WORK THAT MAY IMPACT THE COMPLETION OF THE WORK. PRIOR TO THE START OF WORK, PREPARE A DETAILED SCHEDULE OF THE WORK FOR COORDINATION WITH OTHER TRADES COORDINATE THE RELOCATION OF ANY IRRIGATION LINES CURRENTLY PRESENT ON THE IRRIGATION PLAN, HEADS OR THE CONDUITS OF OTHER UTILITY LINES OR STRUCTURES THAT ARE IN CONFLICT WITH TREE LOCATIONS. TREE ROOTS SHALL NOT BE ALTERED TO FIT AROUND LINES. NOTIFY THE OWNER'S REPRESENTATIVE OF ANY CONFLICTS ENCOUNTERED.

A. THE TREE AND PLANT PROTECTION AREA IS DEFINED AS ALL AREAS INDICATED ON THE TREE PROTECTION PLAN. WHERE NO LIMIT OF THE TREE AND PLANT PROTECTION AREA IS DEFINED ON THE DRAWINGS, THE LIMIT SHALL BE THE DRIP LINE (OUTER EDGE OF THE BRANCH CROWN) OF EACH TREE.

A. PRIOR TO THE PRECONSTRUCTION MEETING, LAYOUT THE LIMITS OF THE TREE AND PLANT PROTECTION AREA AND THEN 3.10 TREE REMOVAL: ALIGNMENTS OF REQUIRED TREE AND PLANT PROTECTION FENCING AND ROOT PRUNING. OBTAIN THE OWNER'S FLAG ALL TREES AND LARGE SHRUBS TO BE REMOVED BY WRAPPING ORANGE PLASTIC RIBBON AROUND THE TRUNK AND OBTAIN THE OWNER'S REPRESENTATIVE'S APPROVAL OF ALL TREES AND LARGE SHRUBS TO BE REMOVED PRIOR TO THE

START OF TREE AND SHRUB REMOVAL. AFTER APPROVAL. MARK ALL TREES AND SHRUBS TO BE REMOVED WITH ORANGE PAINT IN A BAND COMPLETELY AROUND THE BASE OF THE TREE OR LARGE SHRUB 4.5 FEET ABOVE THE GROUND. FLAG ALL TREES AND LARGE SHRUBS TO REMAIN WITH WHITE PLASTIC RIBBON TIED COMPLETELY AROUND THE TRUNK OR EACH TREE AND ON A PROMINENT BRANCH FOR EACH SHRUB. OBTAIN THE OWNER'S REPRESENTATIVE'S APPROVAL OF

ALL TREES AND SHRUBS TO REMAIN PRIOR TO THE START OF TREE AND SHRUB REMOVAL. PRIOR TO ANY CONSTRUCTION ACTIVITY AT THE SITE INCLUDING UTILITY WORK, GRADING, STORAGE OF MATERIALS, OR INSTALLATION OF TEMPORARY CONSTRUCTION FACILITIES, INSTALL ALL TREE PROTECTION FENCING, FILTER FABRIC, SILT FENCE, TREE PROTECTION SIGNS, GEOGRID, MULCH AND OR WOOD CHIPS AS SHOWN ON THE DRAWINGS.

VOLUMETRIC SOIL MOISTURE LEVEL. IN ALL SOILS WITHIN THE TREE AND PLANT PROTECTION AREA SHALL BE MAINTAINED ABOVE PERMANENT WILT POINT TO A DEPTH OF AT LEAST 8 INCHES. NO SOIL WORK OR OTHER ACTIVITY SHALL BE PERMITTED WITHIN THE TREE AND PLANT PROTECTION AREA WHEN THE VOLUMETRIC SOIL MOISTURE IS ABOVE FIELD CAPACITY. THE PERMANENT WILT POINT AND FIFLD CAPACITY FOR EACH TYPE OF SOIL TEXTURE SHALL BE DEFINED AS FOLLOWS (NUMBERS INDICATE PERCENTAGE VOLUMETRIC SOIL MOISTURE):

SOIL TYPE PERMANENT WILT POINT V/V FIELD CAPACITY V/V SAND, LOAMY SAND, SANDY LOAM 12 - 18% 27 - 36% LOAM, SANDY CLAY, SANDY CLAY LOAM 14 - 25% CLAY LOAM, SILT LOAM 11 - 22% 31 - 36% SILTY CLAY, SILTY CLAY LOAM 22 - 27% 38 - 41%

VOLUMETRIC SOIL MOISTURE SHALL BE MEASURED WITH A DIGITAL, ELECTRIC CONDUCTIVITY METER. THE METER SHALL BE THE DIGITAL SOIL MOISTURE METER, DSMM500 BY GENERAL SPECIALTY TOOLS AND INSTRUMENTS, OR APPROVED

THE CONTRACTOR SHALL CONFIRM THE SOIL MOISTURE LEVELS WITH A MOISTURE METER. IF THE MOISTURE IS TOO HIGH, SUSPEND OPERATIONS UNTIL THE SOIL MOISTURE DRAINS TO BELOW FIELD CAPACITY.

FINAL RECOMMENDATIONS ON ANY ROOT PRUNING REQUIREMENTS AND PROCEDURES ARE TO BE DETERMINED THE PROJECT ARBORIST AND PROVIDED IN WRITING TO THE OWNER'S REPRESENTATIVE PRIOR TO ANY ROOT PRUNING. PRIOR TO ANY EXCAVATING INTO THE EXISTING SOIL GRADE WITHIN 25 FEET OF THE LIMIT OF THE TREE AND PLANT PROTECTION AREA OR TREES TO REMAIN, ROOT PRUNE ALL EXISTING TREES TO A DEPTH OF 24 INCHES BELOW EXISTING GRADE IN ALIGNMENTS FOLLOWING THE EDGES OF THE TREE AND PLANT PROTECTION AREA OR AS DIRECTED BY (PART 8) LATEST

1. USING A ROCK SAW, CHAIN TRENCHER OR SIMILAR TRENCHING DEVICE, MAKE A VERTICAL CUT WITHIN 2 FEET OF THE 3.12 WATERING LIMIT OF GRADING. 2. AFTER COMPLETION OF THE CUT, MAKE CLEAN CUTS WITH A LOPPER, SAW OR PRUNER TO REMOVE ALL TORN ROOT

ENDS ON THE TREE SIDE OF THE EXCAVATION, AND BACKFILL THE TRENCH IMMEDIATELY WITH EXISTING SOIL, FILLING

3.7 INSTALLATION OF GEOGRIDS, FILTER FABRIC, MATTING, AND OR AGGREGATE 1. PRIOR TO THE START OF CONSTRUCTION, SUBMIT, FOR APPROVAL BY THE OWNER'S REPRESENTATIVE, THE REPORT OF A. INSTALL GEOGRIDS, FILTER FABRIC, MATTING, AND/OR AGGREGATE IN AREAS AND DEPTHS SHOWN ON THE PLANS AND DETAILS OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE. IN GENERAL IT IS THE INTENT OF THIS SPECIFICATION TO PROVIDE THE FOLLOWING LEVELS OF PROTECTION:

> 1. AREAS WHERE FOOT TRAFFIC OR STORAGE OF LIGHTWEIGHT MATERIALS IS ANTICIPATED TO BE UNAVOIDABLE PROVIDE A LAYER OF FILTER FABRIC UNDER THE 6 INCHES OF MULCH. 2. AREAS WHERE OCCASIONAL LIGHT VEHICLE TRAFFIC IS ANTICIPATED TO BE UNAVOIDABLE PROVIDE A LAYER OF GEOGRIDS UNDER 8 INCHES OF MULCH.

3. AREAS WHERE HEAVY VEHICLE TRAFFIC IS UNAVOIDABLE PROVIDE A LAYER OF GEOGRIDS UNDER 8 - 12 INCHES OF

MULCH AND A LAYER OF MATTING OVER THE MULCH. THE OWNER'S REPRESENTATIVE SHALL APPROVE THE APPROPRIATE LEVEL OF PROTECTION. IN THE ABOVE REQUIREMENTS, LIGHT VEHICLE IS DEFINED AS A TRACK SKID STEER WITH A GROUND PRESSURE OF 4 PSI OR LIGHTER. A HEAVY VEHICLE IS ANY VEHICLE WITH A TIRE OR TRACK PRESSURE OF GREATER THAN 4 PSI. LIGHTWEIGHT 3.15 CLEAN-UP MATERIALS ARE ANY PACKAGED MATERIALS THAT CAN BE PHYSICALLY MOVED BY HAND INTO THE LOCATION. BULK

MATERIALS SUCH AS SOIL, OR AGGREGATE SHALL NEVER BE STORED WITHIN THE TREE AND PLANT PROTECTION AREA. 3.8 PROTECTION: PROTECT THE TREE AND PLANT PROTECTION AREA AT ALL TIMES FROM COMPACTION OF THE SOIL; DAMAGE OF ANY KIND TO TRUNKS, BARK, BRANCHES, LEAVES AND ROOTS OF ALL PLANTS; AND CONTAMINATION OF THE SOIL, BARK OR LEAVES WITH CONSTRUCTION MATERIALS, DEBRIS, SILT, FUELS, OILS, AND ANY CHEMICALS SUBSTANCE. NOTIFY THE OWNER'S REPRESENTATIVE OF ANY SPILLS, COMPACTION OR DAMAGE AND TAKE CORRECTIVE ACTION IMMEDIATELY USING METHODS APPROVED BY THE OWNER'S REPRESENTATIVE.

MAKE ALL REPAIRS TO GRADES, RUTS, AND DAMAGE TO THE WORK OR OTHER WORK AT THE SITE. A. THE CONTRACTOR SHALL NOT ENGAGE IN ANY CONSTRUCTION ACTIVITY WITHIN THE TREE AND PLANT PROTECTION AREA D. REMOVE AND DISPOSE OF ALL EXCESS MULCH, WOOD CHIPS, PACKAGING, AND OTHER MATERIAL BROUGHT TO THE SITE

WITHOUT THE APPROVAL OF THE OWNER'S REPRESENTATIVE INCLUDING: OPERATING, MOVING OR STORING EQUIPMENT; BY THE CONTRACTOR. STORING SUPPLIES OR MATERIALS; LOCATING TEMPORARY FACILITIES INCLUDING TRAILERS OR PORTABLE TOILETS AND 3.16 REMOVAL OF TREE AND PLANT PROTECTION

AREA ANY REASON. PERMITTED ACTIVITY, IF ANY, WITHIN THE TREE AND PLANT PROTECTION AREA MAY BE INDICATED ON

AREA, NOTIFY THE OWNER'S REPRESENTATIVE AND SUBMIT A DETAILED WRITTEN PLAN OF ACTION FOR APPROVAL. THE

SUITED; A DESCRIPTION OF THE PROPOSED ACTIVITY; THE TIME PERIOD FOR THE ACTIVITY, AND A LIST OF REMEDIAL

1. IN GENERAL, DEMOLITION AND EXCAVATION WITHIN THE DRIP LINE OF TREES AND SHRUBS SHALL PROCEED WITH

2. WHEN ENCOUNTERED, EXPOSED ROOTS, 1 INCHES AND LARGER IN DIAMETER SHALL BE WORKED AROUND IN A

IN DIAMETER SHALL NOT BE CUT WITHOUT THE APPROVAL OF THE OWNERS REPRESENTATIVE AND PROJECT

EXTREME CARE EITHER BY THE USE OF HAND TOOLS, DIRECTIONAL BORING AND OR AIR KNIFE EXCAVATION WHERE

INDICATED OR WITH OTHER LOW IMPACT EQUIPMENT THAT WILL NOT CAUSE DAMAGE TO THE TREE, ROOTS OR SOIL.

MANNER THAT DOES NOT BREAK THE OUTER LAYER OF THE ROOT SURFACE (BARK). THESE ROOTS SHALL BE COVERED

IN MULCH AND SHALL BE MAINTAINED ABOVE PERMANENT WILT POINT AT ALL TIMES. ROOTS ONE INCH AND LARGER

ARBORIST. EXCAVATION SHALL BE TUNNELED UNDER THESE ROOTS WITHOUT CUTTING THEM. IN THE AREAS WHERE

ROOTS ARE ENCOUNTERED, WORK SHALL BE PERFORMED AND SCHEDULED TO CLOSE EXCAVATIONS AS QUICKLY AS

3. TREE BRANCHES THAT INTERFERE WITH THE CONSTRUCTION MAY BE TIED BACK OR PRUNED TO CLEAR ONLY TO THE

POINT NECESSARY TO COMPLETE THE WORK. OTHER BRANCHES SHALL ONLY BE REMOVED WHEN SPECIFICALLY

4. MATTING: INSTALL TEMPORARY MATTING OR AN ADDITIONAL 12 INCH MULCH LAYER OVER THE MULCH SPECIFIED

HEREFORD WITHIN THESE SPECIFICATIONS TO THE EXTENT INDICATED. DO NOT PERMIT FOOT TRAFFIC, SCAFFOLDING,

VEHICULAR TRAFFIC, OR THE STORAGE OF MATERIALS WITHIN THE TREE AND PLANT PROTECTION AREA TO OCCUR OFF

5. TRUNK PROTECTION: PROTECT THE TRUNK OF EACH TREE TO REMAIN BY COVERING IT WITH A CLOSED CELL FOAM PAD

THE PLANKS AS NECESSARY TO HOLD THEM SECURELY IN PLACE. TRUNK PROTECTION MUST BY KEPT IN PLACE NO

LONGER THAN 12 MONTHS. IF CONSTRUCTION REQUIRES WORK NEAR A PARTICULAR TREE TO CONTINUE LONGER

PROTECTION AREA, AIR EXCAVATION TOOL TECHNIQUES SHALL BE USED WHERE PRACTICAL OR AS DESIGNED ON THE

a. REMOVE THE MULCH FROM AN AREA APPROXIMATELY 18 INCHES BEYOND THE LIMITS OF THE HOLE OR TRENCH TO BE EXCAVATED. COVER THE MULCH FOR A DISTANCE OF NOT LESS THAN 15 FEET AROUND THE LIMIT OF THE

EXCAVATION AREA WITH FILTER FABRIC OR PLASTIC SHEETING TO PROTECT THE MULCH FROM SILT. MOUND THE

b. USING A SPRINKLER OR SOAKER HOSE, APPLY WATER SLOWLY TO THE AREA OF THE EXCAVATION FOR A PERIOD OF

NEAR FIELD CAPACITY AT THE BEGINNING OF THE WORK. FOR EXCAVATIONS THAT GO BEYOND THE DAMP SOIL,

C. USING AN AIR EXCAVATION TOOL SPECIFICALLY DESIGNED AND MANUFACTURED FOR THE INTENDED PURPOSE, AND

SHAPE AND THE DEPTHS REQUIRED. WORK AT RATES AND USING TECHNIQUES THAT DO NOT HARM TREE ROOTS.

AT PRESSURES RECOMMENDED BY THE MANUFACTURER OF THE EQUIPMENT, FRACTURE THE EXISTING SOIL TO THE

1.) THE AIR EXCAVATION TOOL SHALL BE "AIR-SPADE" AS MANUFACTURED BY CONCEPT ENGINEERING GROUP, INC.,

d. USING A COMMERCIAL, HIGH-POWERED VACUUM TRUCK IF REQUIRED, REMOVE THE SOIL FROM THE EXCAVATION

PRODUCED BY THE AIR KNIFE EXCAVATION. THE VACUUM TRUCK SHOULD GENERALLY OPERATE SIMULTANEOUSLY

WITH THE HOSE OPERATOR, SUCH THAT THE SOIL PRODUCED IS PICKED UP FROM THE EXCAVATION HOLE, AND THE

EXPOSED ROOTS CAN BE OBSERVED AND NOT DAMAGED BY THE ONGOING OPERATION. DO NOT DRIVE THE VACUUM

TRUCK INTO THE TREE AND PLANT PROTECTION AREA UNLESS THE AREA IS PROTECTED FROM COMPACTION AS

e. REMOVE ALL EXCAVATED SOIL AND EXCAVATED MULCH, AND CONTAMINATED SOIL AT THE END OF THE EXCAVATION.

EXCAVATED AREA MUST REMAIN OPEN OVER NIGHT, MIST THE ROOTS AND COVER THE EXCAVATION WITH BLACK

h. RESTORE SOIL WITHIN THE TRENCH AS SOON AS THE WORK IS COMPLETED. UTILIZE SOIL OF SIMILAR TEXTURE TO

THE REMOVED SOIL AND LIGHTLY COMPACT WITH HAND TOOLS. LEAVE SOIL MOUNDED OVER THE TRENCH TO A

i. RESTORE ANY GEOGRIDS, FILTER FABRIC, OR MULCH AND OR MATTING THAT WAS PREVIOUSLY REQUIRED FOR THE

REMOVE ALL TREES INDICATED BY THE DRAWINGS AND SPECIFICATIONS. AS REQUIRING REMOVAL, IN A MANNER THA

DO NOT DROP TREES WITH A SINGLE CUT UNLESS THE TREE WILL FALL IN AN AREA NOT INCLUDED IN THE TREE AND

PLANT PROTECTION AREA. NO TREE TO BE REMOVED WITHIN 50 FEET OF THE TREE AND PLANT PROTECTION AREA SHALL

PROTECT ADJACENT PAVING. SOIL. TREES. SHRUBS. GROUND COVER PLANTINGS AND UNDERSTORY PLANTS TO REMAIN

FROM DAMAGE DURING ALL TREE REMOVAL OPERATIONS. AND FROM CONSTRUCTION OPERATIONS. PROTECTION SHALL

REMOVE STUMPS AND IMMEDIATE ROOT PLATE FROM EXISTING TREES TO BE REMOVED. GRIND TRUNK BASES AND LARGE

BUTTRESS ROOTS TO A DEPTH OF THE LARGEST BUTTRESS ROOT OR AT LEAST 18 INCHES BELOW THE TOP MOST ROOTS

1. FOR TREES WHERE THE STUMP WILL FALL UNDER NEW PAVED AREAS, GRIND ROOTS TO A TOTAL DEPTH OF 18 INCHES

WOOD VISIBLE, CONTINUE GRINDING OPERATION DEEPER AND OR WIDER UNTIL THE RESULTING HOLE HAS LESS THAN

20% WOOD, REMOVE ALL WOOD CHIPS PRODUCED BY THE GRINDING OPERATION AND BACK FILL IN 8 INCH LAYERS

WITH CONTROLLED FILL OF A QUALITY ACCEPTABLE TO THE SITE ENGINEER FOR FILL MATERIAL UNDER STRUCTURES COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY STANDARD PROCTOR. THE OWNER'S REPRESENTATIVE SHALL

2. IN AREAS WHERE THE TREE LOCATION IS TO BE A PLANTING BED OR LAWN, REMOVE ALL WOODCHIPS AND BACKFILL

PRUNE ANY LOW, HANGING BRANCHES AND VINES FROM EXISTING TREES AND SHRUBS THAT OVERHANG WALKS, STREETS

ALL PRUNING SHALL BE DONE IN ACCORDANCE WITH ANSI A300 (PART 1 - PRUNING), ISA BMP: TREE PRUNING AND THE

PERFORM OTHER PRUNING TASK AS INDICATED ON THE DRAWINGS OR REQUESTED BY THE OWNER'S REPRESENTATIVE

WHERE TREE SPECIFIC DISEASE VECTORS REQUIRE, STERILIZE ALL PRUNING TOOLS BETWEEN THE WORK IN INDIVIDUAL

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE TO ENSURE THAT ADEQUATE WATER IS PROVIDED TO ALL PLANTS AND

THE CONTRACTOR SHALL ADJUST THE AUTOMATIC IRRIGATION SYSTEM, IF AVAILABLE, AND APPLY ADDITIONAL WATER,

PERIODICALLY TEST THE MOISTURE CONTENT IN THE SOIL WITHIN THE ROOT ZONE TO DETERMINE THE WATER CONTENT

DURING THE CONSTRUCTION PERIOD, CONTROL ANY PLANTS THAT SEED IN AND AROUND THE FENCED TREE AND PLANT

1. ALL PLANTS THAT ARE NOT SHOWN ON THE PLANTING PLAN OR ON THE TREE AND PLANT PROTECTION PLAN TO

AT THE END OF THE CONSTRUCTION PERIOD PROVIDE ONE FINAL WEEDING OF THE TREE AND PLANT PROTECTION AREA

MONITOR ALL PLANTS TO REMAIN FOR DISEASE AND INSECT INFESTATIONS DURING THE ENTIRE CONSTRUCTION PERIOD.

OF INTEGRATED PEST MANAGEMENT (IPM). ALL PESTICIDES SHALL BE APPLIED BY A CERTIFIED PESTICIDE APPLICATOR.

DURING TREE AND PLANT PROTECTION WORK, KEEP THE SITE FREE OF TRASH, PAVEMENTS REASONABLY CLEAN AND

CONTRACTOR FROM ALL SURFACES WITHIN THE PROJECT OR ON PUBLIC RIGHT OF WAYS AND NEIGHBORING

ONCE TREE PROTECTION WORK IS COMPLETE, WASH ALL SOIL FROM PAVEMENTS AND OTHER STRUCTURES. ENSURE

1. IMMEDIATELY CLEAN UP ANY SPILLED OR TRACKED SOIL, FUEL, OIL, TRASH OR DEBRIS DEPOSITED BY THE

PROVIDE ALL DISEASE AND INSECT CONTROL REQUIRED TO KEEP THE PLANTS IN A HEALTHY STATE USING THE PRINCIPLES

TREES TO BE PRESERVED DURING THE ENTIRE CONSTRUCTION PERIOD. ADEQUATE WATER IS DEFINED TO BE MAINTAINING

WITHIN SIX MONTHS OF THE ESTIMATED DATE OF SUBSTANTIAL COMPLETION, PRUNE ALL DEAD OR HAZARDOUS

STUMP HOLES WITH PLANTING SOIL AS DEFINED IN THE SOIL MANAGEMENT SPECIFICATIONS, IN MAXIMUM OF 12 INCH

BELOW THE EXISTING GRADE. IF THE SIDES OF THE STUMP HOLE STILL HAVE GREATER THAN APPROXIMATELY 20%

INCLUDE THE ROOT SYSTEM, TRUNK, LIMBS, AND CROWN FROM BREAKAGE OR SCARRING, AND THE SOIL FROM

REMOVE TREES THAT ARE ADJACENT TO TREES OR STRUCTURES TO REMAIN, IN SECTIONS, TO LIMIT THE OPPORTUNITY OF

f. SCHEDULE THE WORK SO THAT FOUNDATIONS OR UTILITY WORK IS COMPLETED IMMEDIATELY AFTER THE

EXCAVATION. DO NOT LET THE ROOTS DRY OUT. MIST THE ROOTS SEVERAL TIMES DURING THE DAY. IF THE

VERONA, PA (412) 826-8800, OR AIR KNIFE AS MANUFACTURED BY EASY USE AIR TOOLS, INC. ALLISON PARK, PA

AT LEAST 4 HOURS, APPROXIMATELY 12 HOURS PRIOR TO THE WORK SO THAT THE GROUND WATER LEVEL IS AT OR

6. AIR EXCAVATION TOOL: IF EXCAVATION FOR FOOTINGS OR UTILITIES IS REQUIRED WITHIN THE TREE AND PLANT

AND A RING OF 2" x 4" x 4'-0" PLANKS LOOSELY BANDED ONTO THE TREE WITH 3 STEEL BANDS. STAPLE THE BANDS TO

INDICATED BY THE OWNER'S REPRESENTATIVE. TYING BACK OR TRIMMING OF ALL BRANCHES AND THE CUTTING OF

ROOTS SHALL BE IN ACCORDANCE WITH ACCEPTED ARBORICULTURAL PRACTICES (ANSI A300, PARTS 1 AND 8) AND BE

ACTIONS THAT WILL REDUCE THE IMPACT ON THE TREE AND PLANT PROTECTION AREA FROM THE ACTIVITY. TREE

PROTECTION FOR THE REMEDIAL ACTIONS SHALL INCLUDE BUT SHALL NOT BE LIMITED TO THE FOLLOWING:

PLAN SHALL INCLUDE: A STATEMENT DETAILING THE REASON FOR THE ACTIVITY INCLUDING WHY OTHER AREAS ARE NOT

THE DRAWINGS ALONG WITH ANY REQUIRED REMEDIAL ACTIVITY AS LISTED BELOW.

PERFORMED UNDER SUPERVISION OF THE I.S.A. CERTIFIED ARBORIST

MUI CH SO THAT THE PLASTIC SLOPES TOWARDS THE EXCAVATION.

AIR PRESSURE SHALL BE A MAXIMUM OF 90-100 PSI.

APPROVED IN ADVANCE BY THE OWNER'S REPRESENTATIVE.

(866) 328-5723 OR APPROVED EQUAL.

REWET THE SOIL AS NECESSARY TO KEEP SOIL MOISTURE NEAR FIELD CAPACITY.

g. DISPOSE OF ALL SOIL IN A MANNER THAT MEETS LOCAL LAWS AND REGULATIONS.

WILL NOT DAMAGE ADJACENT TREES OR STRUCTURES OR COMPACTS THE SOIL.

BE PUSHED OVER OR UP-ROOTED USING A PIECE OF GRADING FQUIPMENT

APPROVE EACH HOLE AT THE END OF THE GRINDING OPERATION.

BRANCHES LARGER THAN 2 INCH IN DIAMETER FROM ALL TREES TO REMAIN.

AND DRIVES, OR PARKING AREAS AS FOLLOWS:

USING HOSES OR WATER TANKS AS REQUIRED.

PROTECTION AREA AT LEAST THREE TIMES A YEAR.

REMAIN SHALL BE CONSIDERED AS WEEDS.

THE SITE NO LESS THAN ONCE A WEEK.

THAT MULCH IS CONFINED TO PLANTING BEDS.

"STRUCTURAL PRUNING: A GUIDE FOR THE GREEN INDUSTRY.

IMPLEMENT ALL PRUNING RECOMMENDATIONS FOUND IN THE ARBORIST REPORT.

1. WALKS - WITHIN 8 FEET VERTICALLY OF THE PROPOSED WALK ELEVATION.

DAMAGE TO ADJACENT CROWNS, TRUNKS, GROUND PLANE FLEMENTS AND STRUCTURES

WHICH EVER IS LESS AND OVER THE AREA OF THREE TIMES THE DIAMETER OF THE TRUNK (DBH)

LAYERS AND COMPACT TO 80 - 85% OF THE MAXIMUM DRY DENSITY STANDARD PROCTOR.

2. PARKING AREAS - WITHIN 12 FEET VERTICALLY OF THE PROPOSED PARKING SURFACE ELEVATION.

SOIL MOISTURE ABOVE THE PERMANENT WILT POINT TO A DEPTH OF 8 INCHES OR GREATER.

3. STREETS AND DRIVES - WITHIN 14 FEET VERTICALLY OF THE PROPOSED DRIVING SURFACE ELEVATION

HEIGHT OF APPROXIMATELY 10% OF THE TRENCH DEPTH TO ACCOUNT FOR SETTLEMENT.

POSSIBLE OVER EXPOSED ROOTS.

HAVE BECOME TIGHT.

SHALL NOT PERMIT EMPLOYEES TO TRAVERSE THE AREA TO ACCESS ADJACENT AREAS OF THE PROJECT OR USE THE A. AT THE END OF THE CONSTRUCTION PERIOD OR WHEN REQUESTED BY THE OWNER'S REPRESENTATIVE REMOVE ALL FENCING, GEOGRIDS AND FILTER FABRIC, TRUNK PROTECTION AND OR ANY OTHER TREE AND PLANT PROTECTION

IN THE EVENT THAT CONSTRUCTION/VEHICULAR ACTIVITY IS UNAVOIDABLE WITHIN THE TREE AND PLANT PROTECTION

3.17 DAMAGE OR LOSS TO EXISTING PLANTS TO REMAIN

ANY TREES OR PLANTS DESIGNATED TO REMAIN AND WHICH ARE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT THEIR OWN EXPENSE. TREES SHALL BE REPLACED WITH A TREE OF SIMILAR SPECIES AND 3 INCH CALIPER. SHRUBS SHALL BE REPLACED WITH A PLANT OF SIMILAR SPECIES AND EQUAL SIZE OR THE LARGEST SIZE PLANTS REASONABLY AVAILABLE WHICH EVER IS LESS. WHERE REPLACEMENT PLANTS ARE TO BE LESS THAN THE SIZE OF THE PLANT THAT IS DAMAGED, THE OWNER'S REPRESENTATIVE SHALL APPROVE THE SIZE AND QUALITY OF THE

1. ALL TREES AND PLANTS SHALL BE INSTALLED PER THE REQUIREMENTS OF PLANTING SPECIFICATIONS. PLANTS THAT ARE DAMAGED SHALL BE CONSIDERED AS REQUIRING REPLACEMENT OR APPRAISAL IN THE EVENT THAT THE DAMAGE AFFECTS MORE THAN 25% OF THE CROWN, 25% OF THE TRUNK CIRCUMFERENCE, OR ROOT PROTECTION AREA, OR THE TREE IS DAMAGED IN SUCH A MANNER THAT THE TREE COULD DEVELOP INTO A POTENTIAL HAZARD. TREES

AND SHRUBS TO BE REPLACED SHALL BE REMOVED BY THE CONTRACTOR AT HIS OWN EXPENSE. 1. THE OWNER'S REPRESENTATIVE MAY ENGAGE AN INDEPENDENT CONSULTING ARBORIST TO ASSESS ANY TREE OR

PLANT THAT APPEARS TO HAVE BEEN DAMAGED TO DETERMINE THEIR HEALTH OR CONDITION. 2. CONTRACTOR SHALL PAY ALL FINES AND MITIGATION COSTS ASSOCIATED WITH LOSS OF PROTECTED TREES DAMAGED

BY CONTRACTOR'S FORCES. ANY TREE THAT IS DETERMINED TO BE DEAD, DAMAGED OR POTENTIALLY HAZARDOUS BY THE OWNER'S ARBORIST AND UPON THE REQUEST OF THE OWNER'S REPRESENTATIVE SHALL BE IMMEDIATELY REMOVED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. TREE REMOVAL SHALL INCLUDE ALL CLEAN UP OF ALL WOOD PARTS AND GRINDING

OF THE STUMP TO A DEPTH SUFFICIENT TO PLANT THE REPLACEMENT TREE OR PLANT, REMOVAL OF ALL CHIPS FROM THE

STUMP SITE AND FILLING THE RESULTING HOLE WITH TOPSOIL. ANY REMEDIAL WORK ON DAMAGED EXISTING PLANTS RECOMMENDED BY THE CONSULTING ARBORIST SHALL BE COMPLETED BY THE CONTRACTOR AT NO COST TO THE OWNER. REMEDIAL WORK SHALL INCLUDE BUT IS NOT LIMITED TO: SOIL COMPACTION REMEDIATION AND VERTICAL MULCHING, PRUNING AND OR CABLING, INSECT AND DISEASE CONTROL INCLUDING INJECTIONS, COMPENSATORY WATERING, ADDITIONAL MULCHING, AND COULD INCLUDE APPLICATION TREE GROWTH REGULATORS (TGR).

REMEDIAL WORK MAY EXTEND UP TO TWO YEARS FOLLOWING THE COMPLETION OF CONSTRUCTION TO ALLOW FOR ANY REQUIREMENTS OF MULTIPLE APPLICATIONS OR THE NEED TO UNDERTAKE APPLICATIONS AT REQUIRED SEASONS OF THE

THAN 12 MONTHS, THE STEEL BANDS SHALL BE INSPECTED EVERY SIX MONTHS AND LOOSENED IF THEY ARE FOUND TO END OF SECTION 015639

P.L.A. NIKOLAUS B. ADAMS L.A. No. 3404 Date 5/15/2025

Submitted: May 16th, 2025 <u> Architect:</u> Carroll Architects Kimley—Horn and Associates, Inc 750 E. Interstate 30, Ste. 110 801 S. Riverfront Boulevard,00 225 E. John W Carpenter FWY, Rockwall, Texas 75087 Dallas, Texas 75207 Contact: Joseph Bickham Contact: Glennon Langston Irving, Texas 75062 Phone: 972-732-6085 Phone: 469-203-0159 Contact: Jared Earney, P.E. Phone: 214-420-5600

SITE PLAN FOR

FUEL CITY - ROCKWALL

LOT 2, BLOCK A

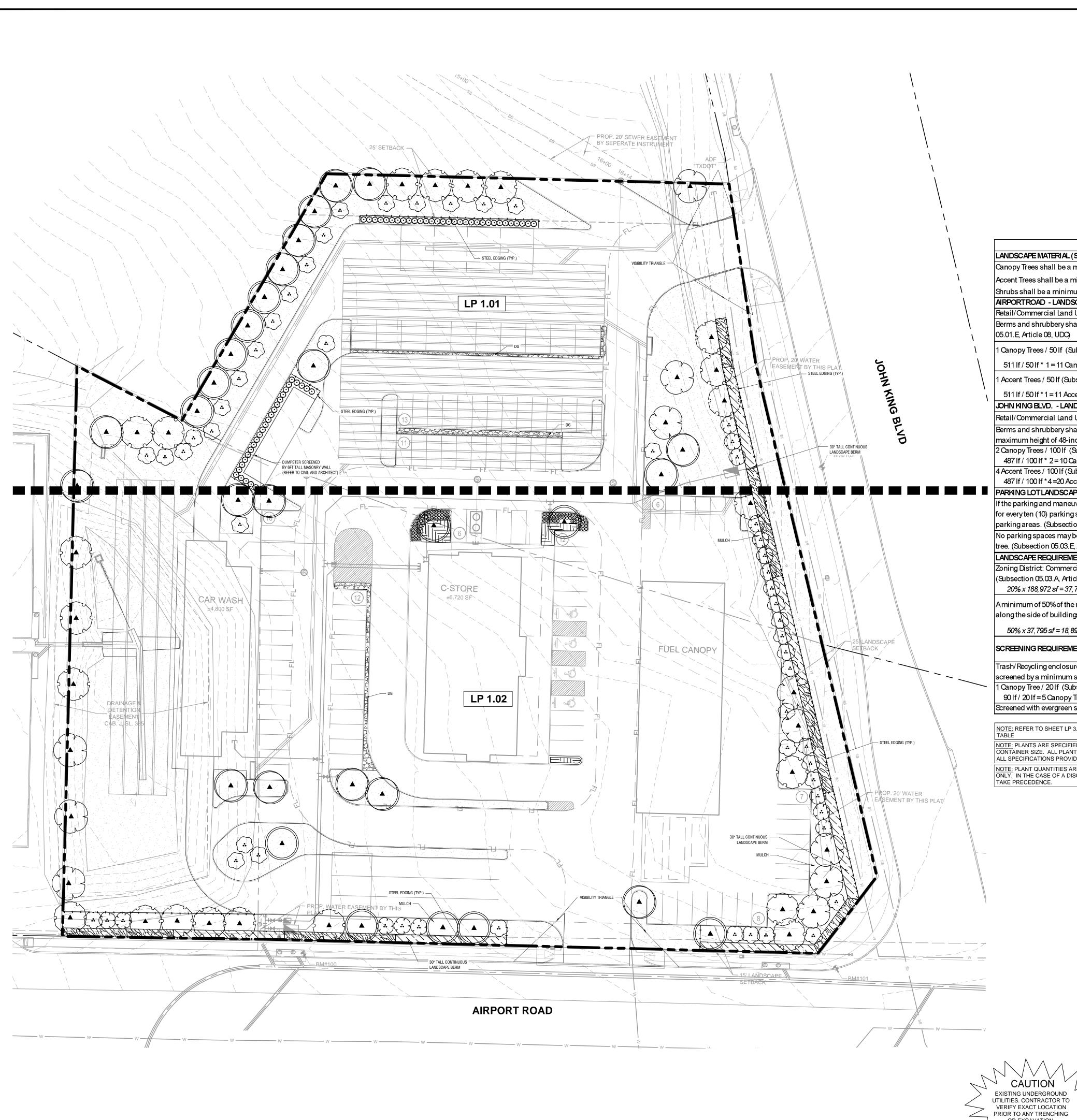
4.34 ACRES

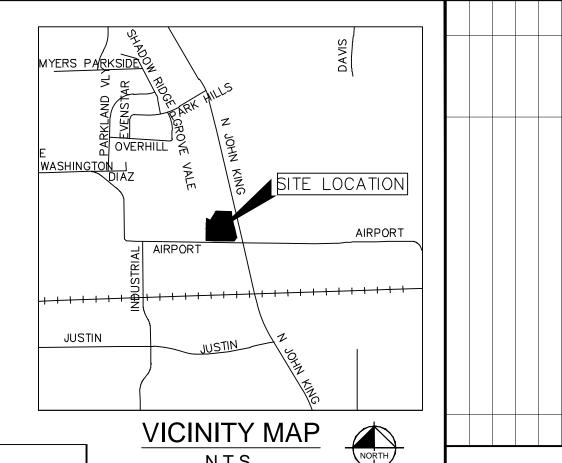
CORNERSTONE COMMUNITY CHURCH N. BUTLER SURVEY ABSTRACT NO. 20 City of Rockwall, Rockwall County, Texas Current Zoning: C (Commerical District) Proposed Land Use: Gas Station/ Car Wash

> SHEET NUMBER TP 3.02

WORK AREA IN AN ORDERLY CONDITION AT THE END OF EACH DAY, REMOVE TRASH AND DEBRIS IN CONTAINERS FROM EXISTING UNDERGROUND UTILITIES. CONTRACTOR TO VERIFY EXACT LOCATION PRIOR TO ANY TRENCHING OR EXCAVATION.



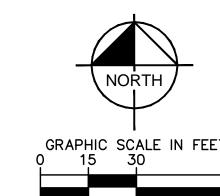


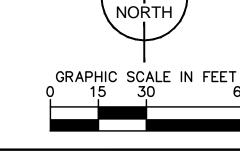


CITY OF ROCKWALL LANDSCAPE REQUIR	EMENTS	
LANDSCAPE MATERIAL (SECTION 4.A.)	REQUIRED	PROVIDED
Canopy Trees shall be a minimum of 4" caliper		
Accent Trees shall be a minimum of 4ft in total height	Yes	Yes
Shrubs shall be a minimum of 3 gallons in size		
AIRPORTROAD - LANDSCAPE BUFFERS	REQUIRED	PROVIDED
Retail/Commercial Land Uses: 15-feet (Subsection 05.01.E, Article 08, UDC)	10 ft	15 ft
Berms and shrubbery shall <u>each</u> have a minimum height of 30-inches. (Subsection 05.01.E, Article 08, UDC)	30 in	30 in
1 Canopy Trees / 50 lf (Subsection 05.01.E, Article 08, UDC)	11 Canopy Trees	11 Canopy Trees
511 lf / 50 lf * 1 = 11 Canopy Trees		
1 Accent Trees / 50 If (Subsection 05.01.E, Article 08, UDC) 511 If / 50 If * 1 = 11 Accent Trees	11 Accent Trees	11 Accent Trees
JOHN KING BLVD LANDSCAPE BUFFERS	REQUIRED	PROVIDED
Retail/Commercial Land Use: 25 ft (Subsection 06.02.E, Article 05, UDC)	25 ft	25 ft
Berms and shrubbery shall <u>each</u> have a minimum height of 30-inches and a maximum height of 48-inches. (Subsection 06.02.E, Article 05, UDC)	30 in	30 in
2 Canopy Trees / 100 lf (Subsection 06.02.E, Article 05, UDC) 487 lf / 100 lf * 2 = 10 Canopy Trees	10 Canopy Trees	10 Canopy Trees
4 Accent Trees / 100 If (Subsection 06.02.E, Article 05, UDC) 487 If / 100 If *4 = 20 Accent Trees	20 Accent Trees	20 Accent Trees
PARKING LOTLANDSCAPING	REQUIRED	PROVIDED
If the parking and maneuvering space exceeds 20,000 sf, one (1) large canopy tree for every ten (10) parking spaces shallo be required to be planted internal to the parking areas. (Subsection 05.03.E, Article 08, UDC)	1 Canopy Tree per 10 spots	10 Canopy Trees
No parking spaces may be located more than 80-feet from the trunk of a canopy tree. (Subsection 05.03.E, Article 08, UDC)	80 ft	80 ft
LANDSCAPE REQUIREMENTS	REQUIRED	PROVIDED
Zoning District: Commercial (C) District 20 % required landscaping areas.  (Subsection 05.03.A, Article 08, UDC)  20% x 188,972 sf = 37,794 sf	37,794 sf (20%)	37,794 sf (20%)
Aminimum of 50% of the required landscaping shall be located in the front of and along the side of buildings with street frontage. (Subsection 05.03.A, Article 08, UDC) $50\% \times 37,795 \text{ sf} = 18,898 \text{ sf}$	18,898 sf (50%)	18,898 sf (50%)
SCREENING REQUIREMENTS	REQUIRED	PROVIDED
Trash/Recycling enclosures shall be four sided. These receptacles shall be screened by a minimum sixfoot, solid masonry dumpster enclosure.	6ft Wall	6ft Wall
1 Canopy Tree / 20 If (Subsection 01.05.E, Article 05, UDC) 90 If / 20 If = 5 Canopy Trees	5 Canopy Trees	5 Canopy Trees
Screened with evergreen shrubs (Subsection 01.05.B, Article 05, UDC)	Yes	Yes
Constitution of the second of	100	100

NOTE: REFER TO SHEET LP 3.03 TO SEE FULL LANDSCAPE NOTE: PLANTS ARE SPECIFIED BY HEIGHT AND SPREAD, NOT CONTAINER SIZE. ALL PLANTINGS ARE EXPECTED TO MEET ALL SPECIFICATIONS PROVIDED. NOTE: PLANT QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY. IN THE CASE OF A DISCREPANCY, THE DRAWING SHALL TAKE PRECEDENCE.

Pervious	Impervious	
65%	35%	
(123,862 sf)	(65,110sf)	





SITE PLAN FOR FUEL CITY — ROCKWALL LOT 2, BLOCK A CORNERSTONE COMMUNITY CHURCH

4.34 ACRES

N. BUTLER SURVEY ABSTRACT NO. 20 City of Rockwall, Rockwall County, Texas Current Zoning: C (Commerical District) Proposed Land Use: Gas Station/ Car Wash Submitted: May 16th, 2025

Ar	chi	tect	•	
		rchitect iterstat		— Ste.
		Texas		
Con Pho	tact: ne: 9	Glenno 72-73	n Lan 2–608	gstor 35

Developer:
Fuel City

Engineer:
Kimley-Horn and Associates, Inc.
225 E. John W Carpenter FWY,
Suite 1100
Contact: Joseph Bickham
Phone: 469-203-0159

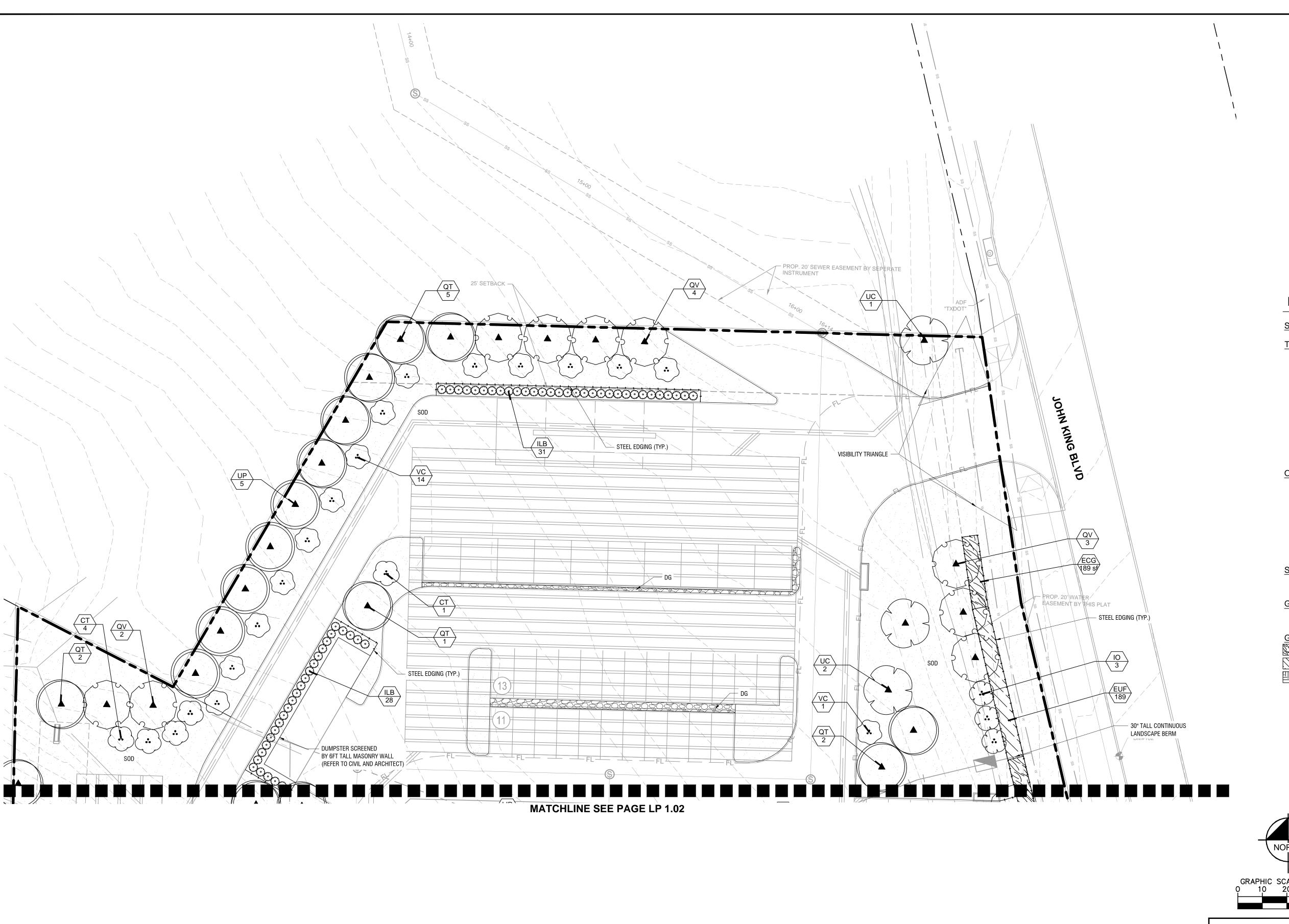
Engineer:
Kimley-Horn and Associates, Inc.
225 E. John W Carpenter FWY,
Suite 1100
Irving, Texas 75062
Contact: Jared Earney, P.E.
Phone: 214-420-5600

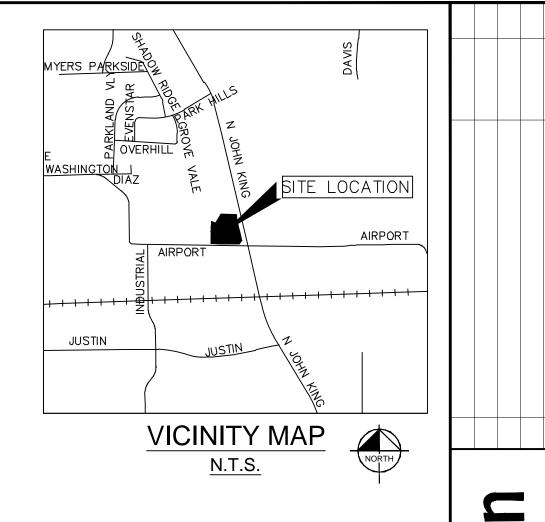
SHEET NUMBER LP 1.00

Kimley»Horn

P.L.A. NIKOLAUS B. ADAMS
L.A. No. 3404 Date 5/15/2025

Know what's **below. Call before you dig.** 





#### PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME
TREES		
	QT	Quercus texana / Texas Red Oak
	QV	Quercus virginiana / Southern Live Oak
	UC	Ulmus crassifolia / Cedar Elm
<b>A</b>	UP	Ulmus parvifolia / Lacebark Elm
ORNAMEN	JTAI TRE	:F

	СТ	Cercis canadensis / Eastern Redbud
	Ю	llex decidua / Possumhaw Holly
•	VC	Vitex agnus-castus / Chaste Tree
SHRUBS		llov oprovto `Durfordii` / Durford Holly

Nassella tenuissima / Mexican Feather Grass **GROUND COVERS** 

Eragrostis curvula / Weeping Lovegrass Euonymus fortunei `Coloratus` / Purple-leaf Winter Creeper Liriope muscari / Liriope

Pervious	Impervious
65%	35%
(123,862 sf)	(65,110 sf)

GRAPHIC SCALE IN FEET O 10 20 40

NOTE: IRRIGATION WILL MEET REQUIREMENTS OF UDC. NOTE: REFER TO SHEET LP 3.03 TO SEE FULL LANDSCAPE NOTE: PLANTS ARE SPECIFIED BY HEIGHT AND SPREAD, NOT CONTAINER SIZE. ALL PLANTINGS ARE EXPECTED TO MEET ALL SPECIFICATIONS PROVIDED.

NOTE: PLANT QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY. IN THE CASE OF A DISCREPANCY, THE DRAWING SHALL TAKE PRECEDENCE.

SITE PLAN FOR FUEL CITY - ROCKWALL LOT 2, BLOCK A CORNERSTONE COMMUNITY CHURCH

4.34 ACRES

N. BUTLER SURVEY ABSTRACT NO. 20 City of Rockwall, Rockwall County, Texas Current Zoning: C (Commerical District) Proposed Land Use: Gas Station/ Car Wash Submitted: May 16th, 2025

Ar	chitect:
Carr	oll Architects
750	E. Interstate 30, Ste.
Rock	kwall, Texas 75087
	tact: Glennon Langston

Phone: 972-732-6085

Engineer: Fuel City

e. 110

801 S. Riverfront Boulevard,00
Dallas, Texas 75207

on
Contact: Joseph Bickham
Phone: 469-203-0159

Fuel City

Kimley-Horn and Associates, Inc.
225 E. John W Carpenter FWY,
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Irving, Texas 75062
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FOR REVIEW ONLY
Not for construction or permit purpose

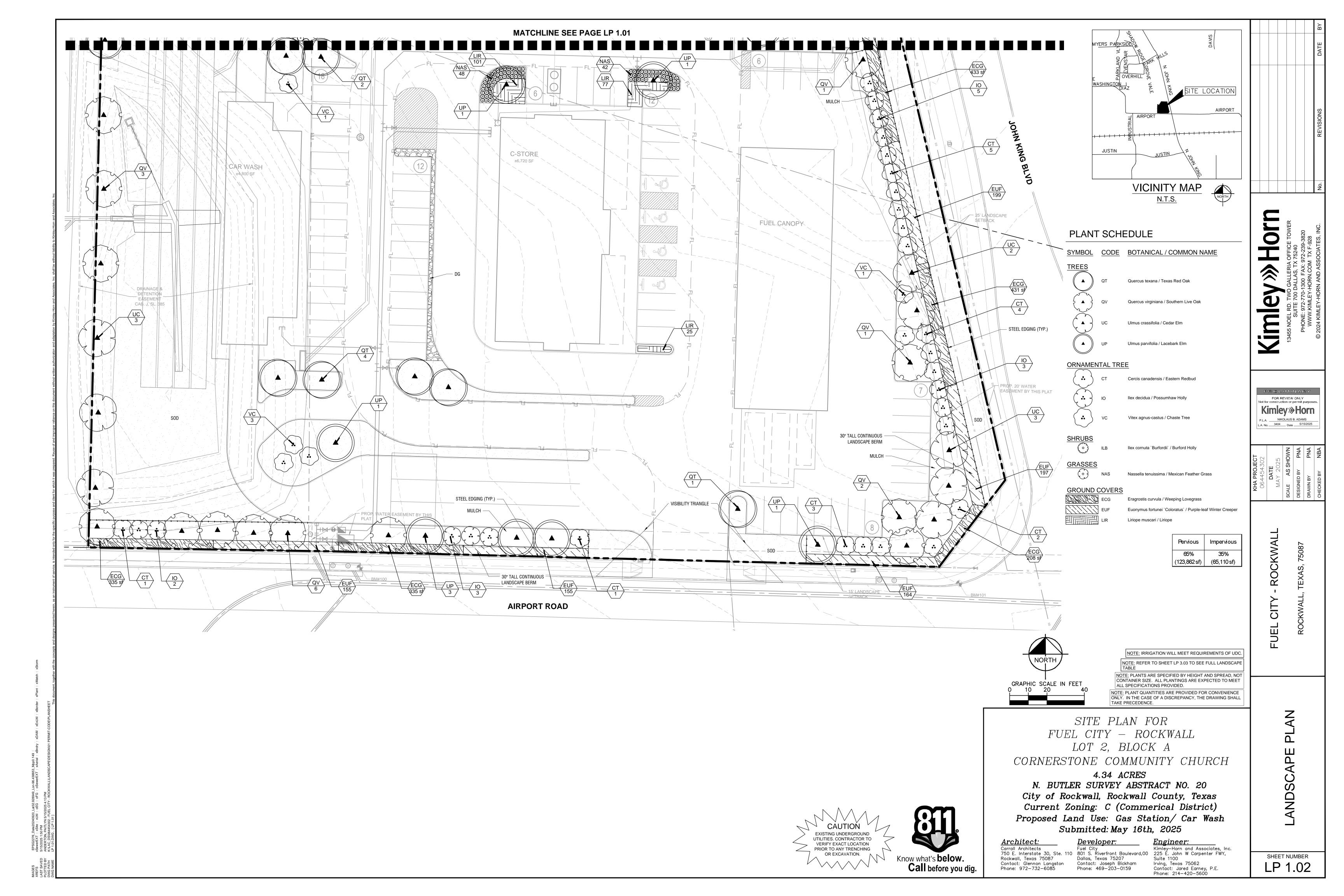
**Kimley»Horn** 

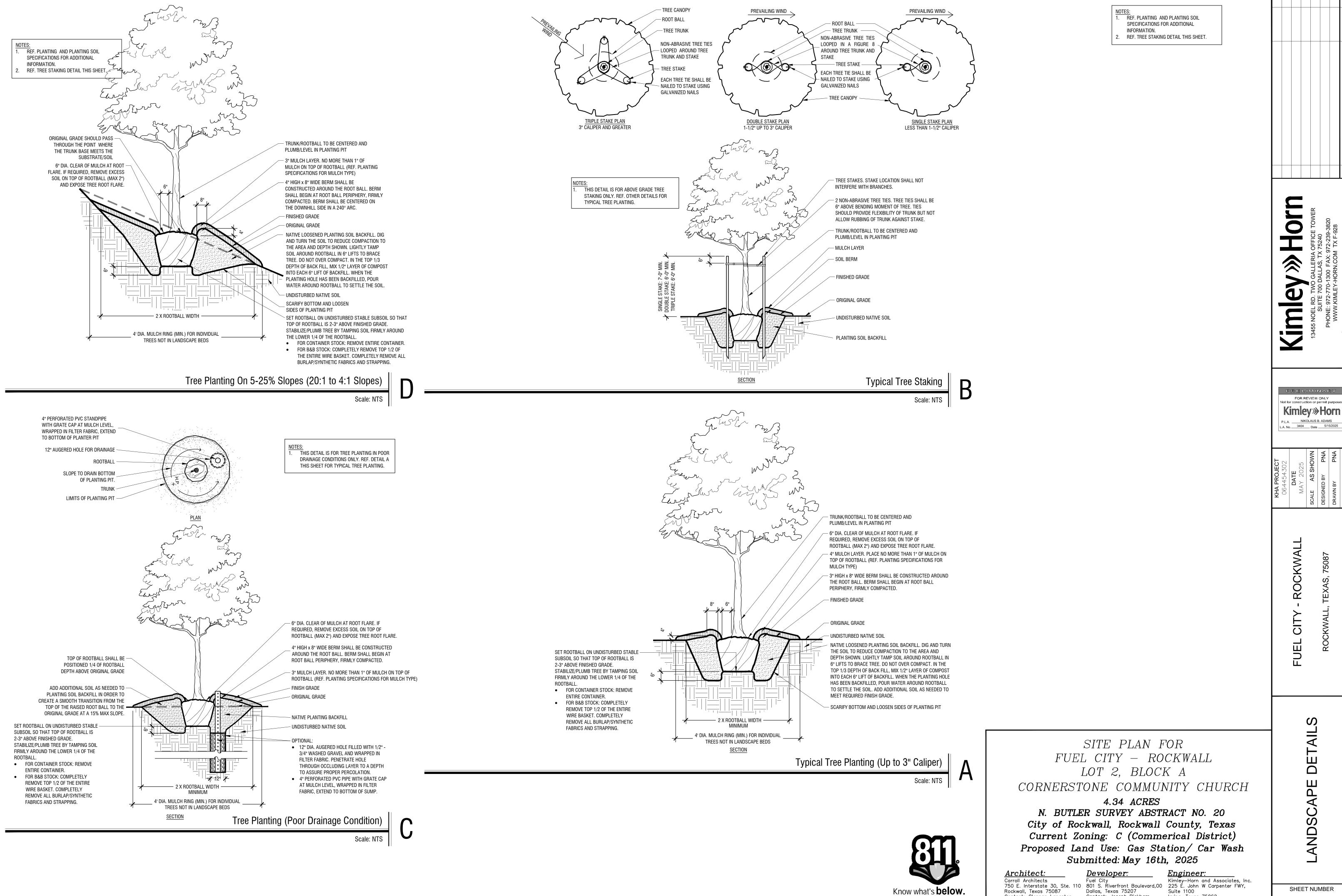
P.L.A. NIKOLAUS B. ADAMS
L.A. No. 3404 Date 5/15/2025

SHEET NUMBER LP 1.01

EXISTING UNDERGROUND UTILITIES. CONTRACTOR TO VERIFY EXACT LOCATION PRIOR TO ANY TRENCHING

Know what's **below. Call before you dig.** 





SHEET NUMBER LP 3.01

Dallas, Texas 75207

Contact: Joseph Bickham

Phone: 469-203-0159

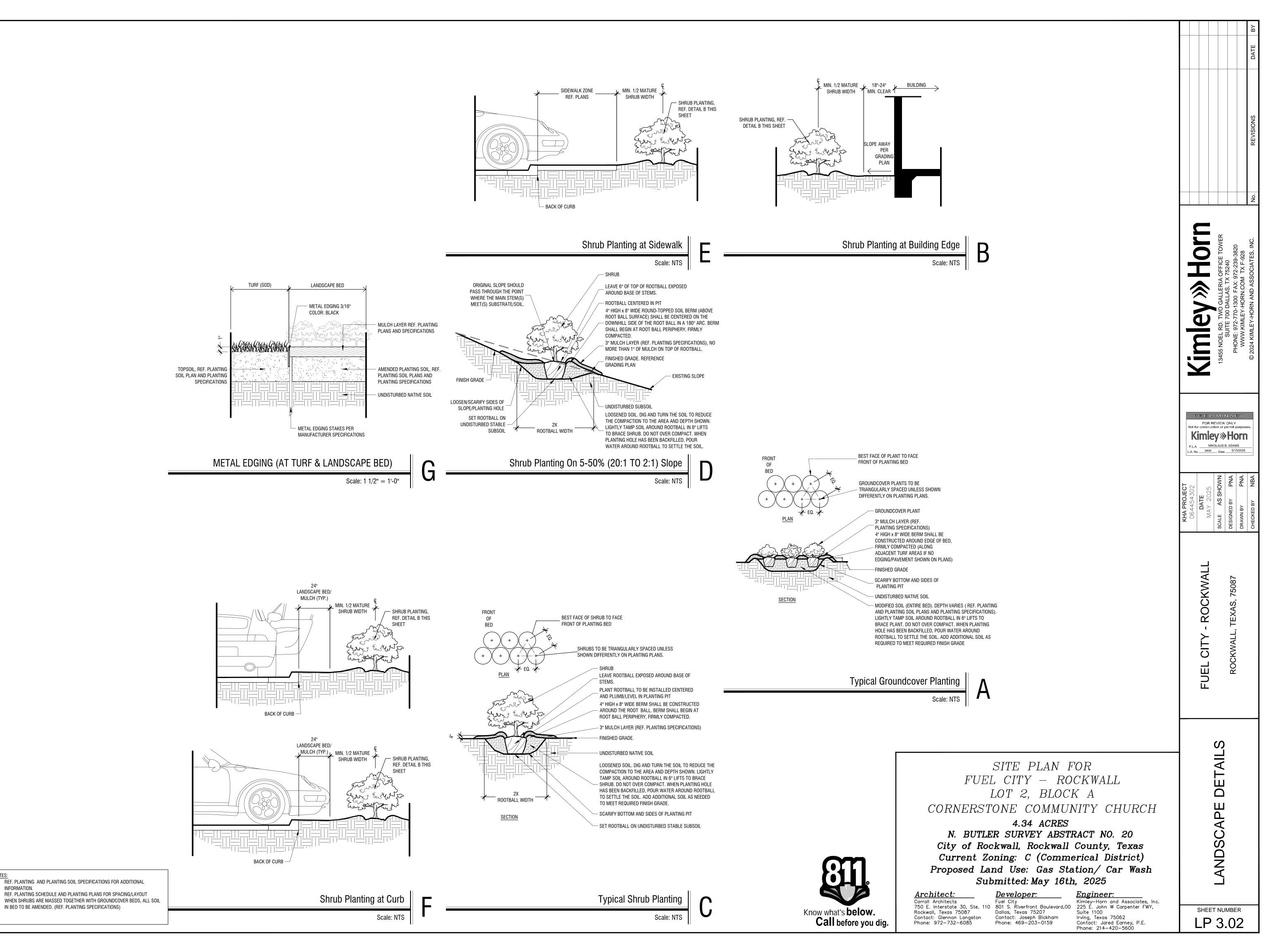
Irving, Texas 75062

Contact: Jared Earney, P.E. Phone: 214-420-5600

Contact: Glennon Langston

Phone: 972-732-6085

Call before you dig.



1. THE WORK CONSISTS OF FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS HEREIN SPECIFIED

2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL PLANTING AREAS OF THIS CONTRACT UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER. **B. PROTECTION OF EXISTING STRUCTURES** 

ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, AND OTHER ITEMS OF CONSTRUCTION AND PLANTING ALREADY COMPLETED OR ESTABLISHED SHALL BE PROTECTED FROM DAMAGE BY THIS CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.

C. PROTECTION OF EXISTING PLANT MATERIALS OUTSIDE LIMIT OF WORK

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY CARELESS OPERATION OF EQUIPMENT. STOCKPILING OF MATERIALS, ETC. THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE HE DRIP-LINE OR THE SPILLING OF OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED WHERE THE HEAT WILL DAMAGE ANY PLANT. TREES KILLED OR DAMAGED SO THAT THEY ARE MISSHAPEN AND/ OR UNSIGHTLY SHALL BE REPLACED AT THE COST TO THE CONTRACTOR OF ONE HUNDRED DOLLARS (\$100) PER CALIPER INCH ON AN ESCALATING SCALE WHICH ADDS AN ADDITIONAL TWENTY (20) PER CENT PER INCH OVER FOUR (4 INCHES CALIPER AS FIXED AND AGREED LIQUIDATED DAMAGES. CALIPER SHALL BE MEASURED SIX (6) INCHES ABOVE GROUND LEVEL FOR TREES UP TO AND INCLUDING FOUR (4) INCHES IN CALIPER AND TWELVE (12) INCHES ABOVE GROUND LEVEL FOR TREES OVER FOUR (4) INCHES IN CALIPER

D. MATERIALS

SAMPLES OF MATERIALS AS LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL, ON THE SITE OR AS OTHERWISE DETERMINED BY THE OWNER. UPON APPROVAL OF SAMPLES, DELIVERY OF

MATERIALS SAMPLES MULCH ONE (1) CUBIC FOO TOPSOIL ONE (1) CUBIC YARD

PLANTS ONE (1) OF EACH VARIETY

A. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. NOMENCI ATURE SHALL CONFORM TO STANDARDIZED PLANT NAMES 1942 EDITION ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS AS STATED IN THE LATEST EDITION OF MERICAN STANDARD FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERYMEN. ALL PLANTS SHALL BE FRESHLY DUG, SOUND, HEALTHY, VIGOROUS, WELL-BRANCHED AND FREE OF DISEASE AND INSECTS INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY UPON THE APPROVAL OF THE OWNER.

B. MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPROVED, THE BALL OF EARTH OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PLANT

C. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY: SLICH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF BALLS OR ROOTS. ATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.

E. TOPSOIL

1. ASTM D5268, NATURAL, FRIABLE, FERTILE, FINE LOAMY SOIL POSSESSING CHARACTERISTICS OF REPRESENTATIVE TOPSOIL IN THE VICINITY THAT PRODUCES HEAVY GROWTH. TOPSOIL SHALL HAVE A PH RANGE OF 5.5 TO 7.4 PERCENT. FREE FROM SUBSOIL, OBJECTIONABLE WEEDS, LITTER, SODS, STIFF CLAY, STONES LARGER THAN 1-INCH IN DIAMETER, STUMPS, ROOTS, TRASH, HERBICIDES, TOXIC SUBSTANCES, OR ANY OTHER MATERIAL WHICH MAY BE HARMFUL TO PLANT GROWTH OR HINDER PLANTING OPERATIONS TOP SOIL SHALL CONTAIN A MINIMUM OF THREE PERCENT ORGANIC MATERIAL

2. SALVAGED OR EXISTING TOPSOIL: REUSE SUITABLE TOPSOIL STOCKPILED ON-SITE OR EXISTING TOPSOIL UNDISTURBED BY GRADING OR EXCAVATION OPERATIONS. CLEAN TOPSOIL OF ROOTS, PLANTS, SOD,

STONES, CLAY LUMPS, AND OTHER EXTRANEOUS MATERIALS HARMFUL TO PLANT GROWTH. 3. VERIFY AMOUNT OF SUITABLE TOPSOIL STOCKPILED IF ANY, AND SUPPLY ADDITIONAL IMPORTED TOPSOIL AS NEEDED. FOUR (4) INCHES OF TOPSOIL TO BE PROVIDED FOR ALL TURF AREAS. TWENTY FOUR (24) INCHES OF TOPSOIL TO BE PROVIDED FOR ALL PLANTING AREAS WITHIN INTERIOR LANDSCAPE ISLANDS AND FOUNDATION PLANTINGS. FOR ALL OTHER PLANTING AREAS, TWELVE (12) INCHES OF TOPSOIL MINIMUM TO

4. IMPORTED TOPSOIL: SUPPLEMENT SALVAGED TOPSOIL WITH IMPORTED TOPSOIL FROM OFF-SITE SOURCES 5. OBTAIN TOPSOIL DISPLACED FROM NATURALLY WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT LEAST 6

INCHES DEEP; DO NOT OBTAIN FROM AGRICULTURAL LAND, BOGS, OR MARSHES 6. VERIFY BORROW AND DISPOSAL SITES ARE PERMITTED AS REQUIRED BY STATE AND LOCAL REGULATIONS.

OBTAIN WRITTEN CONFIRMATION THAT PERMITS ARE CURRENT AND ACTIVE 7. OBTAIN PERMITS REQUIRED BY STATE AND LOCAL REGULATIONS FOR TRANSPORTING TOPSOIL. PERMITS SHALL BE CURRENT AND ACTIVE.

8. AMEND EXISTING AND IMPORTED TOPSOIL AS INDICATED BELOW. a. ORGANIC SOIL AMENDMENTS

 MANURE: WELL-ROTTED, UNLEACHED, STABLE OR CATTLE MANURE CONTAINING NOT MORE. THAN 25 PERCENT BY VOLUME OF STRAW SAWDUST OR OTHER BEDDING MATERIALS: FREE OF TOXIC SUBSTANCES, STONES, STICKS, SOIL, WEED SEED, AND MATERIAL HARMFUL TO

3. COMPOST: DECOMPOSED ORGANIC MATERIAL INCLUDING LEAF LITTER, MANURE, SAWDUST, PLANT TRIMMINGS AND/OR HAY, MIXED WITH SOIL.

4. PECAN HULLS: COMPOSTED PECAN HULLS FOR LOCAL SOURCE. 5. BIOSOLIDS: USE GRADE 1 CONTAINING LOWER PATHOGEN LEVELS.

6. WORM CASTINGS: EARTHWORMS.

b. INORGANIC SOIL AMENDMENTS

1. LIME: ASTM C602, CLASS O AGRICULTURAL LIMESTONE CONTAINING A MINIMUM OF 80 PERCENT CALCIUM CARBONATE EQUIVALENT WITH A MINIMUM OF 95 PERCENT PASSING NO. 8 SIEVE AND MINIMUM OF 55 PERCENT PASSING NO. 60 SIEVE.

2. SULFUR: GRANULAR, BIODEGRADABLE, CONTAINING A MINIMUM OF 90 PERCENT SULFUR, /ITH A MINIMUM OF 99 PERCENT PASSING NO. 6 SIEVE AND A MAXIMUM OF 10 PERCENT

3. IRON SULFATE: GRANULATED FERROUS SULFATE CONTAINING A MINIMUM OF 20 PERCENT

4. AGRICULTURAL GYPSUM: FINELY GROUND, CONTAINING A MINIMUM OF 90 PERCENT CALCIUM 5. SAND: CLEAN, WASHED, NATURAL OR MANUFACTURED, FREE OF TOXIC MATERIALS.

c. PLANTING SOIL MIX

1. PLANTING MIX MAY BE PROVIDED BY LIVING EARTH OR MINICK MATERIALS OR APPROVED

2. PLANTING MEDIUM CONTAINING 75 PERCENT SPECIFIED TOPSOIL MIXED WITH 15 PERCENT RGANIC SOIL AMENDMENTS AND 10 PERCENT SHARP WASHED SAND. INSTALL TO DEPTHS PER PLANTING DETAILS (12" MIN.) FINISHED GRADES OF PLANTING BEDS TO BE 2" BELOW FINISHED GRADE OF ADJACENT PAVING OR AS SHOWN ON GRADING PLAN.

2. SOD/SEED AREA TOPSOIL ALL SOD AREAS TO RECEIVE 4" DEPTH (MIN) TOPSOIL PRIOR TO INSTALLATION. TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, WITH 25% (MIN.) ORGANIC MATERIAL, AND FREE OF TRASH, DEBRIS, STONES, WEEDS, AND TWIGS/BRANCHES. THE PARTICLE SIZES SHALL BE SUCH THAT 98.5% OF THE TOPSOIL WILL PASS THROUGH A 1/2 INCH SCREEN, AND 99% MORE SHALL PASS THROUGH A 3/4 INCH SCREEN. TOPSOIL SHALL BE REVIEWED/APPROVED BY OWNER/LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. CONTRACTOR TO SUBMIT SAMPLES IN 1 GAL (MIN.) CONTAINER.

WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN AN ADEQUATE GROWTH OF PLANTS AND SHALL NOT CONTAIN HARMFUL. NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC. IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SUCH SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO

ADDITIONAL COST TO THE OWNER. I. COMMERCIAL FERTILIZER COMMERCIAL FERTILIZER SHALL BE A COMPLETE FORMULA: IT SHALL BE UNIFORM IN COMPOSITION. DRY

AND FREE FLOWING. THIS FERTILIZER SHALL BE DELIVERED TO THE SITE IN THE ORIGINAL UNOPENED CONTAINERS, EACH BEARING THE MANUFACTURER'S GUARANTEED STATEMENT OF ANALYSIS. FIFTY PERCENT (50%) OF THE NITROGEN SHALL BE DERIVED FROM NATURAL ORGANIC SOURCES. THE FOLLOWING FERTILIZERS SHALL BE USED AND APPLIED AT RATES AS SUGGESTED BY MANUFACTURER'S

1. SHRUBS AND TREES - MILORGANITE, OR APPROVED EQUAL 2. ANNUALS AND GROUNDCOVERS - OSMOCOTE/SIERRA BLEND 14-14-14

3. SOD - 8-8-8 FERTILIZER IN ADDITION TO SURFACE APPLIED FERTILIZERS. ALL CONTAINER GROWN AND FIELD GROWN PLANT MATERIAL SHALL RECEIVE "AGRIFORM" PLANTING TABLETS 24-10-5 FORMULA, 21 GRAM OR EQUAL. THESE TABLETS SHALL BE PLACED AT A DEPTH OF ROOT BALL AT THE RATE AS SPECIFIED BY MANUFACTURER.

MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A DEPTH OF 3 INCHES. SEE PLANT LIST FOR TYPE OF MATERIAL

1. PROTECT ROOTS OR BALLS OF PLANTS AT ALL TIMES FROM SUN AND DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT BREAKAGE AND DRYING OUT DURING TRANSIT. TREES TRANSPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO SITE SHALL BE SPRAYED VITH AN ANTI-TRANSPIRANT PRODUCT ("WILTPRUF" OR EQUAL) TO MINIMIZE TRANSPIRATIONAL WATER LOSS.

2. BALLED AND BURLAPPED PLANTS (B&B) SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROOTS OF THE PLANTS. NO PLANTS. MOVED WITH A BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS BALLED AND BURLAPPED OR CONTAINER GROWN SHALL NOT BE HANDLED BY STEMS.

3. PLANTS MARKED "BR" IN THE PLANT LIST SHALL BE DUG WITH BARE ROOTS. THE ROOTS SHALL NOT BE CUT WITHIN THE MINIMUM SPREAD SPECIFIED IN THE PLANT LIST. CARE SHALL BE EXERCISED THAT THE ROOTS DO NOT DRY OUT IN MOVING AND PRIOR TO PLANTING

4 PROTECTION OF PALMS (IF APPLICABLE): ONLY A MINIMUM OF FRONDS SHALL BE REMOVED FROM THE CROWN OF THE PALM TREES TO FACILITATE MOVING AND HANDLING. CLEAR TRUNK (CT) SHALL BE AS SPECIFIED AFTER THE MINIMUM OF FRONDS HAVE BEEN REMOVED. ALL PALMS SHALL BE BRACED

5. EXCAVATION OF TREE PITS SHALL BE DONE USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS AND

M CONTAINER GROWN STOCK 1. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS AND ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION

2. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.

3. PLANT ROOTS BOUND IN CONTAINERS SHALL NOT BE ACCEPTABLE. 4. SUBSTITUTION OF NON-CONTAINER GROWN MATERIAL FOR MATERIAL EXPLICITLY SPECIFIED TO BE CONTAINER GROWN WILL NOT BE PERMITTED UNLESS WRITTEN APPROVAL IS OBTAINED FROM THE OWNER

WHEN THE LISE OF COLLECTED STOCK IS PERMITTED AS INDICATED ON THE PLANT LIST SCHEDULE THE MINIMUM SIZES OF ROOTBALLS SHALL BE EQUAL TO THAT SPECIFIED FOR THE NEXT LARGER SIZE OF NURSERY GROWN STOCK OF THE SAME VARIETY

O. NATIVE STOCK PLANTS COLLECTED FROM WILD OR NATIVE STANDS SHALL BE CONSIDERED NURSERY GROWN WHEN THEY HAVE BEEN SUCCESSFULLY REESTABLISHED IN A NURSERY ROW AND GROWN UNDER REGULAR NURSERY CULTURAL PRACTICES FOR A MINIMUM OF TWO (2) GROWING SEASONS AND HAVE ATTAINED ADEQUATE ROOT AND TOP GROWTH TO INDICATE FULL RECOVERY FROM TRANSPLANTING INTO THE NURSERY ROW.

QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR, QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR WNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE BIDDERS TAKE OFF AND THE PLANT LIST QUANTITY, THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO THE SUBMISSIONS OF BIDS. ALL DIMENSIONS AND/OR SIZES

SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE 1. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. BERMING AS SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR, UNLESS OTHERWISE NOTED.

THIS CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE. 3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS.

2. THE LANDSCAPE CONTRACTOR SHALL FINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE

ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR THICKNESS OF SOD AND/OR MULCH DEPTH

R. PLANTING PROCEDURES

1 CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN UP WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER. ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH. HE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT OR OWNER. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.

2. VERIFY LOCATIONS OF ALL UTILITIES, CONDUITS, SUPPLY LINES AND CABLES, INCLUDING BUT NOT LIMITED TO: ELECTRIC, GAS (LINES AND TANKS), WATER, SANITARY SEWER, STORMWATER LINES, CABLE AND ELEPHONE. PROPERLY MAINTAIN AND PROTECT EXISTING UTILITIES.

3. SUBGRADE EXCAVATION: SITE CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36". SITE CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY SITE CONTRACTOR, AND POSITIVE DRAINAGE CAN NOT BE ACHIEVED, LANDSCAPE CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT OR OWNER

4. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS HEREIN SPECIFIED AND REQUIRED. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING

5, GENERAL: COMPLY WITH APPLICABLE FEDERAL. STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES. AS USED IN THE TRADE. PLANTS SHALL BE PROTECTED UPON ARRIVAL AT THE SITE BY BEING THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS SHALL NOT REMAIN UNPROTECTED FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES WORKMANLIKE

METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED. 6. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE THE PLANTING WITH THE IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF

7. ALL PLANTING PITS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH THE USA STANDARD FOR NURSERY STOCK 260.1, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACKFILLED WITH THE PREPARED PLANTING SOIL AS SPECIFIED HEREIN BEFORE (SECTION H). TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. IF POOR DRAINAGE EXISTS, UTILIZE PLANTING DETAIL THAT ADDRESSES THIS CONDITION. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW. FULL HOSE STREAM ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURE AND UNDER THE SUPERVISION OF A QUALIFIED PLANTING FOREMAN. PROPER "JETTING IN" SHALL BE ASSURED TO ELIMINATE AIR POCKETS AROUND THE ROOTS. "JET STICK" OR EQUAL IS RECOMMENDED.

8. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES.

9. SOIL MIXTURE SHALL BE AS SPECIFIED IN SECTION H OF THESE SPECIFICATIONS. IN ADDITION, EACH PLANTING PIT SHALL RECEIVE 21-GRAM "AGRIFORM" PLANTING TABLETS PER MANUFACTURER'S SPECIFICATIONS OR AS FOLLOWS:

TWO (2) TABLETS PER 1 GAL. PLANT

IRRIGATION ITEMS AND PLANTS.

- FOUR (4) TABLETS PER 10 GAL, PLANT - LARGER MATERIAL - TWO (2) TABLETS PER 1/2" OF TRUNK CALIPER

10. TREES AND SHRUBS SHALL BE SET STRAIGHT AND AT SUCH A LEVEL THAT AFTER SETTLEMENT. THE PLANT CROWN WILL STAND ONE (1) TO TWO (2) INCHES ABOVE GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PIT. PLANTING SOIL MIXTURE SHALL BE BACKFILLED AND THOROUGHLY TAMPED AROUND THE BALL AND SHALL BE SETTLED BY WATER AFTER TAMPING.

11 FILL HOLF WITH SOIL MIXTURE MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES. STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET. ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE, ONLY WITH MULCH. ALL BURLAP, ROPE, WIRES, ETC., SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH.

12. PRUNING: EACH TREE SHALL BE PRUNED TO PRESERVE THE NATURAL CHARACTER OF THE PLANT AS SHOWN ON THE DRAWINGS. ALL SOFT WOOD OR SUCKER GROWTH AND ALL BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT.

13. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 6", REMOVE AND DISPOSE ALL DEBRIS. TILL INTO TOP 4" THE PLANTING SOIL MIX AS SPECIFIED IN SECTION E. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.

14. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE LANDSCAPE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO INSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE LANDSCAPE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING OF THEIR INTENTIONS AND AGREE TO HOLD HARMLESS THE LANDSCAPE ARCHITECT IN THE EVENT ANY TREES FALL DOWN AND DAMAGE PERSON OR

15. MULCHING: PROVIDE A THREE (3) INCH MINIMUM LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA OF EACH SHRUB BED, GROUND COVER AND VINE BED AND TREE PIT 16. HERBICIDE WEED CONTROL: ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. IF DIRECTED BY THE OWNER, "ROUND-UP" SHALL BE APPLIED FOR WEED CONTROL BY QUALIFIED PERSONNEL TO ALL PLANTING AREAS IN SPOT APPLICATIONS PER MANUFACTURER'S PRECAUTIONS AND SPECIFICATIONS. PRIOR TO FINAL INSPECTION, TREAT ALL PLANTING BEDS WITH AN APPROVED PRE-EMERGENT HERBICIDE AT AN APPLICATION RATE RECOMMENDED BY THE MANUFACTURER

S. LAWN SODDING

1. THE WORK CONSISTS OF LAWN BED PREPARATION, SOIL PREPARATION, AND SODDING COMPLETE, IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE APPLICABLE DRAWINGS TO PRODUCE A GRASS LAWN ACCEPTABLE TO THE OWNER.

2 LAWN BED PREPARATION: ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROUGH GRASS. WEEDS, AND DEBRIS, AND THE GROUND BROUGHT TO AN EVEN GRADE. THE WHOLE SURFACE SHALL BE ROLLED WITH A ROLLER WEIGHING NOT MORE THAN ONE-HUNDRED (100) POUNDS PER FOOT OF WIDTH. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT OF ROLLING SHALL BE FILLED WITH ADDITIONAL SOIL. AND THE SURFACE SHALL BE REGRADED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH THAT IS UP TO THE REQUIRED GRADE.

3 SOIL PREPARATION: PREPARE LOOSE BED FOUR (4) INCHES DEEP. APPLY FERTILIZER AT RATE OF TWENTY (20) POUNDS PER ONE THOUSAND (1000) SQUARE FEET. APPLICATION SHALL BE UNIFORM. UTILIZING APPROVED MECHANICAL SPREADERS. MIX FERTILIZER THOROUGHLY WITH THE SOIL TO A PEPTH OF THREE (3) INCHES. HAND RAKE UNTIL ALL BUMPS AND DEPRESSIONS ARE REMOVED. WET PREPARED AREA THOROUGHLY 4. SODDING

A. THE CONTRACTOR SHALL SOD ALL AREAS THAT ARE NOT PAVED OR PLANTED AS DESIGNATED ON THE DRAWINGS WITHIN THE CONTRACT LIMITS, UNLESS SPECIFICALLY NOTED OTHERWIS B. THE SOD SHALL BE CERTIFIED TO MEET THE STATE PLANT BOARD SPECIFICATIONS. ABSOLUTELY TRUE TO VARIETAL TYPE, AND FREE FROM WEEDS, FUNGUS, INSECTS AND DISEASE OF ANY KIND. C. SOD PANELS SHALL BE LAID TIGHTLY TOGETHER SO AS TO MAKE A SOLID SODDED LAWN AREA SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS PAVED AND PLANTED AREAS. ADJACENT TO BUILDINGS, A FOUR INCH MULCH STRIP SHALL BE PROVIDED. IMMEDIATELY FOLLOWING SOD LAYING, THE LAWN AREAS SHALL BE ROLLED WITH A LAWN ROLLER CUSTOMARILY USED FOR SUCH PURPOSES, AND THEN THOROUGHLY IRRIGATED. IF, IN THE OPINION OF THE OWNER, TOP-DRESSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, CLEAN SAND AS APPROVED BY THE ANDSCAPE ARCHITECT OR OWNER SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN.

D. DURING DELIVERY, PRIOR TO AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY SWEATING OR EXCESSIVE

A. PROVIDE FRESH, CLEAN, NEW CROP LAWN SEED MIXTURE. FURNISH TO OWNER DEALERS GUARANTEED STATEMENT OF COMPOSITION OF MIXTURE AND PERCENTAGE OF PURITY AND GERMINATION OF EACH VARIETY.

B. SEED MIXTURE: PROVIDE SEED OF GRASS SPECIES AND VARIETIES, PROPORTIONS BY WEIGHT AND MINIMUM PERCENTAGES OF PURITY, GERMINATION, AND MAXIMUM PERCENTAGE OF WEED SEED. SEED MIXTURES VARY BY REGION AND SEASON AND SHALL COMPLY WITH STATE DO AND LOCAL SOIL CONSERVATION SERVICE STANDARDS FOR LAWN TURE

C. DO NOT PERFORM SEEDING IN WINDY CONDITIONS.

D. SEEDING SHALL BE DISPERSED IN 2 DIRECTIONS AT RIGHT ANGLES TO EACH OTHER.

E. PERMANENTLY SEED AND MULCH CUT AND FILL SLOPES AS CONSTRUCTION PROCEEDS TO EXTENT CONSIDERED DESIRABLE AND PRACTICAL IN THE EVENT IT IS NOT PRACTICAL TO SEED AREAS, SLOPES SHALL BE STABILIZED WITH STRAW MULCH AND TACKIFIER, BONDED FIBER MATRIX, NETTING, BLANKETS OR OTHER MEANS TO REDUCE THE EROSIVE POTENTIAL OF THE AREA.

E SEED LAWN AREAS BY SOWING EVENLY WITH APPROVED MECHANICAL SEEDER AT RATE OF MINIMUM OF 6 POUNDS PER 1,000 SQUARE FEET, AMOUNT WILL VARY BASED ON VARIETY AND/OR SPECIES, CULTI-PACKER OR APPROVED SIMILAR EQUIPMENT MAY BE USED TO COVER SEED AND TO FORM SEEDBED IN ONE OPERATION. IN AREAS INACCESSIBLE TO CUTI-PACKER, LIGHTLY RAKE SEEDED GROUND WITH FLEXIBLE RAKES AD ROLL WITH WATER BALLAST ROLLER. AFTER ROLLING, MULCH WITH STRAW MULCH AT THE RATE OF 2 TONS PER ACRE.

G. SURFACE LAYER OF SOIL FOR SEEDED AREAS SHALL BE KEPT MOIST DURING GERMINATION PERIOD. WATER SEEDED AREAS TWICE FIRST WEEK TO MINIMUM DEPTH OF 6 INCHES WITH FINE SPRAY AND ONCE PER WEEK THEREAFTER AS NECESSARY TO SUPPLEMENT NATURAL RAIN TO EQUIVALENT OF 6 INCHES DEPTH.

H. CONTRACTOR TO REAPPLY SEED AS NECESSARY IN ORDER TO GET ALL SEEDED AREAS ESTABLISHED AS

6. LAWN MAINTENANCE:

A. WITHIN THE CONTRACT LIMITS, THE CONTRACTOR SHALL PRODUCE A DENSE, WELL ESTABLISHED LAWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE-SODDING OF ALL ERODED, SUNKEN OR BARE SPOTS UNTIL CERTIFICATION OF ACCEPTABILITY BY THE LANDSCAPE ARCHITECT OR OWNER REPAIRED SODDING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK (INCLUDING REGRADING IF

B. WATER EVERY DAY FOR TEN (10) SUCCESSIVE DAYS. THEN WATER THREE (3) TIMES PER WEEK (AT EVEN INTERVALS) FOR TWO (2) ADDITIONAL WEEKS. ALL WATERING SHALL BE OF SUFFICIENT QUANTITY D WET OR RESTORE WATER TO DEPTH OF FOUR (4) INCHES. CONTRACTOR TO DETERMINE IF SITE IS IN A

DROUGHT RESTRICTION AREA AND MUST FOLLOW CITY/ COUNTY PROTOCOL IF ANY ARE IN PLACE. UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE. THE CONTRACTOR SHALL

REMOVE ALL MATERIAL. EQUIPMENT. AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALI

BE BROOM CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY

THE OWNER'S AUTHORIZED REPRESENTATIVE. U. PLANT MATERIAL MAINTENANCE

> ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING. CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING GUY SUPPORTS) NECESSARY TO INSURE A HEALTHY CONDITION BY THE CONTRACTOR UNTIL CERTIFICATION OF ACCEPTABILITY BY THE LANDSCAPE ARCHITECT OR OWNER, MAINTENANCE AFTER THE CERTIFICATION OF ACCEPTABILITY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS IN THIS SECTION. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE TO COVER LANDSCAPE AND IRRIGATION MAINTENANCE FOR A PERIOD OF 90 CALENDAR DAYS COMMENCING AFTER ACCEPTANCE.

/. MAINTENANCE (ALTERNATE BID ITEM 1. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE FOR MAINTENANCE FOLLOWING THE INITIAL 90-DAY MAINTENANCE PERIOD ON A COST PER MONTH BASIS.

1. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE GUARANTEED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE LANDSCAPE

2. THE LIFE AND SATISFACTORY CONDITION OF ALL OTHER PLANT MATERIAL (INCLUDING SOD) INSTALLED Y THE LANDSCAPE CONTRACTOR SHALL BE GUARANTEED BY THE CONTRACTOR FOR A MINIMUM OF 90 CALENDAR DAYS. COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE LANDSCAPE ARCHITECT OR OWNER.

3. REPLACEMENT: ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE GUARANTEE PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED UNDER "PLANTING", AT NO ADDITIONAL COST TO THE OWNER. 4 IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE (AND

IRRIGATION) MAINTENANCE. THE CONTRACTOR IS ENCOURAGED TO VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER, AND SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTH PLANT GROWTH. IT IS SUGGESTED SUCH SITE VISITS SHALL BE CONDUCTED A MINIMUM OF ONCE PER MONTH FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE.

X. FINAL INSPECTION AND ACCEPTANCE OF WORK

FINAL INSPECTION AT THE END OF THE GUARANTEE PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIM SHALL BE SUBJECT TO THE SAME ONE (1) YEAR GUARANTEE (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.

### PLANT SCHEDULE

SYMBOL	CODE	<u>QTY</u>	BOTANICAL / COMMON NAME	SPECIFICATIONS	REMARKS
TREES					
	QT	17	Quercus texana / Texas Red Oak	4" cal, 16` ht, 5`-6` spr	Full, Straight, Single Lead
	QV	22	Quercus virginiana / Southern Live Oak	4" cal, 16` ht, 5`-6` spr	Full, Straight, Single Lead
	UC	11	Ulmus crassifolia / Cedar Elm	4" cal, 15` ht, 6` spr	Full, Straight, Single Lead
	UP	12	Ulmus parvifolia / Lacebark Elm	4" cal, 15` ht, 6` spr	Full, Straight, Single Lead
ORNAMEN	ITAL TRE	E			
	СТ	21	Cercis canadensis / Eastern Redbud	4" cal, 14` ht, 6` spr	Full, Single Leader
	Ю	16	Ilex decidua / Possumhaw Holly	4" cal, 12` ht, 4` spr	Full, Multi-Trunk
	VC	20	Vitex agnus-castus / Chaste Tree	8` ht, 5` spr	Full, Multi-Trunk
SHRUBS					
Exercise Services	ILB	59	Ilex cornuta `Burfordii` / Burford Holly	36" ht, 30" spr, 42" oc	Full
GRASSES					
(+)	NAS	90	Nassella tenuissima / Mexican Feather Grass	18" ht, 24" oc	Full
GROUND (	COVERS				
STANIST STATE	ECG	1,931 sf	Eragrostis curvula / Weeping Lovegrass	18" ht, 36" oc	Full
	EUF	1,059	Euonymus fortunei `Coloratus` / Purple-leaf Winter Creeper	8" ht, 8" spr, 18" oc	Full, 1 gallon min.
	LIR	203	Liriope muscari / Liriope	12" ht, 12" spr, 18" oc	Full, 1 gallon min.

NOTE: PLANT QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY. IN THE CASE OF A DISCREPANCY, THE DRAWING SHALL TAKE PRECEDENCE.

NOTE: PLANTS ARE SPECIFIED BY HEIGHT AND SPREAD, NOT CONTAINER SIZE. ALL PLANTINGS ARE EXPECTED TO MEET ALL SPECIFICATIONS PROVIDED.

ANY REVISION TO THIS PLAN WILL REQUIRE CITY OF FRISCO APPROVAL AND WILL REQUIRE REVISIONS TO ANY CORRESPONDING PLANS TO AVOID CONFLICTS BETWEEN

PLANTING NOTES

1 ALL PLANT MATERIAL SHALL BE INSTALLED ACCORDING TO SOLIND NURSERY PRACTICES AND SHALL MEET ALL STANDARDS AS STATED IN

THE LATEST EDITION OF "AMERICAN STANDARD FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERYMEN. THE EVENT OF DISCREPANCIES BETWEEN THE DRAWING AND THE PLANT LIST, THE DRAWING SHALL PREVAIL

3. LOCATE ALL UTILITIES PRIOR TO ANY DIGGING OPERATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO EXISTING UTILITIES INCURRED BY HIS WORK.

4. REFERENCE IRRIGATION PLAN FOR BED IRRIGATION INFORMATION.

5. STAKING AND GUYING ALTERNATIVES: METHODS INDICATED IN DRAWING DETAILS ARE PREFERRED. CONTRACTOR MAY SUGGEST ALTERNATE METHODS, ASSUMING FULL RESPONSIBILITY FOR THEIR IMPLEMENTATION. CONTRACTOR SHALL REPLACE, PLANT, OR UPRIGHT ANY TREES BLOWN OVER OR DAMAGED DUE TO INADEQUATE STAKING AT NO ADDITIONAL COST TO THE OWNER.

6. PLANTS MASSED IN BEDS SHALL BE ARRANGED USING TRIANGULAR SPACING.

7. PROVIDE A STEEL EDGE OR CONCRETE MOW STRIP BETWEEN ALL PLANTING BEDS AND LAWN AREAS. REFERENCE SITE PLAN.

8. ALL PLANTING BEDS TO BE TOP DRESSED WITH A MINIMUM OF 3" SHREDDED HARDWOOD MULCH. UNLESS OTHERWISE SPECIFIED

9. PROVIDE GRASS SEEDING OR LAY BERMUDA SOD FOR PROPOSED LAWN AREAS TO ALL EDGES OF PAVEMENT AND/OR LIMITS OF DISTURBANCE OUTSIDE R.O.W. OR PROPOSED LANDSCAPE EASEMENT. PROVIDE IRRIGATION AS NECESSARY

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL LANDSCAPING UNTIL FINAL ACCEPTANCE. ALL REQUIRED ANDSCAPING SHALL BE MAINTAINED IN A NEAT AND ORDERLY MANNER AT ALL TIMES. THE WORK SHALL INCLUDE, BUT NOT TO BE LIMITED TO MOWING EDGING PRUNING FERTILIZING WATERING WEEDING AND OTHER SUCH ACTIVITIES COMMON TO THE MAINTENANCE OF LANDSCAPING. ALL PLANT MATERIALS SHALL BE MAINTAINED IN A HEALTHY AND GROWING CONDITION AS IS APPROPRIATE FOR THE SEASON OF THE YEAR. PLANT MATERIAL THAT DIES SHALL BE REPLACED WITH THE PLANT MATERIAL OF SIMILAR SIZE AND VARIETY.

11. CONTRACTOR SHALL WARRANTY PLANT MATERIAL TO REMAIN ALIVE AND HEALTHY FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE, WARRANTY SHALL NOT INCLUDE DAMAGE FOR LOSS OF PLANT MATERIAL DUE TO NATURAL CAUSES. ACTS OF VANDALISM

12. ALL DISTURBED AREAS WITHIN LIMITS OF CONSTRUCTION NOT CALLED TO BE SODDED, SHALL BE REESTABLISHED WITH BERMUDA SOD

13. ALL LANDSCAPE BEDS TO HAVE TOPSOIL/BEDDING MIX THAT MEETS LANDSCAPE SPECIFICATIONS. INSTALL TO DEPTHS, PER PLANTING DETAILS (12" DEPTH MIN.) FINISHED GRADES OF PLANTING BEDS TO BE 2" BELOW FINISHED GRADE OF ADJACENT PAVING OR AS SHOWN ON

14. ALL SOD AREAS TO RECEIVE 4" DEPTH (MIN) TOPSOIL PRIOR TO INSTALLATION. TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, pH RANGE OF 5.5-7.4. AND FREE OF TRASH, DEBRIS, STONES, WEEDS, AND TWIGS/BRANCHES.

15. ALL DISTURBED AREAS IN R.O.W. TO BE RE-ESTABLISHED WITH BERMUDA SEED OR SOD AND IRRIGATED UNLESS OTHERWISE SHOWN ON

16. ALL TREES TO BE PLACED A MINIMUM OF 4' FROM ANY UTILITY.

Know what's **below.** 

Call before you dig.

SITE PLAN FOR FUEL CITY - ROCKWALL LOT 2, BLOCK A CORNERSTONE COMMUNITY CHURCH

4.34 ACRES N. BUTLER SURVEY ABSTRACT NO. 20 City of Rockwall, Rockwall County, Texas Current Zoning: C (Commerical District) Proposed Land Use: Gas Station / Car Wash Submitted: May 16th, 2025

<u> Architect:</u> Carroll Architects Rockwall, Texas 75087 Contact: Glennon Langston Phone: 972-732-6085

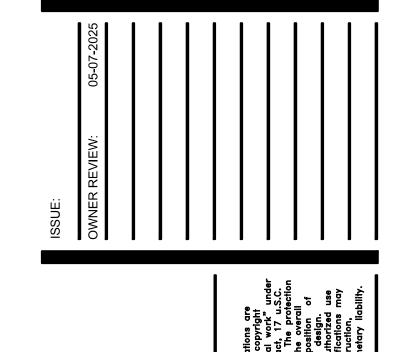
<u>Developer:</u> Dallas, Texas 75207 Contact: Joseph Bickham Phone: 469-203-0159

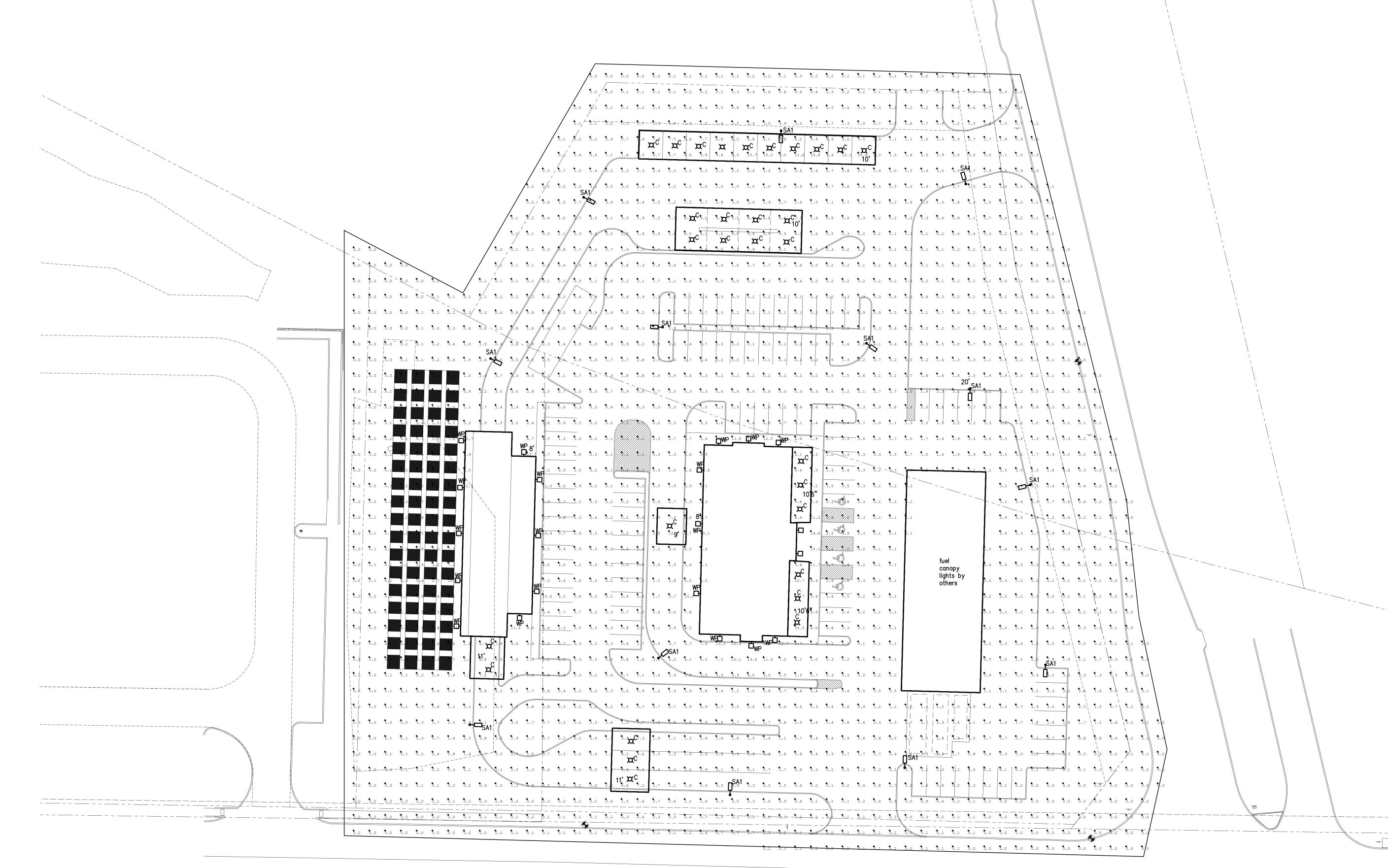
Kimley—Horn and Associates. Inc. 750 E. Interstate 30, Ste. 110 801 S. Riverfront Boulevard,00 225 É. John W Carpenter FWY, Irving, Texas 75062 Contact: Jared Earney, P.E. Phone: 214-420-5600

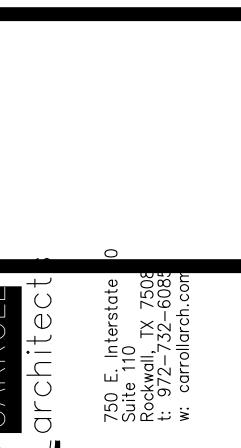
PRELIMINARY FOR REVIEW ONLY **Kimley** »Horn P.L.A. NIKOLAUS B. ADAMS L.A. No. 3404 Date 5/15/2025

SHEET NUMBER \_P 3.03

Luminaire Lumens	Luminaire Watts	Total Watts	Mounting Height
3363	25	750	9, 10, 10.5, 11
12479	86	1118	20
6073	43	903	8
		•	







SITE PHOTOMETRIC PLAN

				DATE:		SHEET NO:	
	1		•	1	MAY 2025		
IFTE	Engir	es F. T neers,	L.P.	PROJECT NO:	2024074	EU.	.(
	8340 Mead	<b>ng Engine</b> ow Rd. Suit exas 75231 50-2900	e 160	DRAWN BY:	GL		
		Job ATION # <u>103</u> 4	#: <u>35920</u>	CHECKED BY:			
DRAWN/DESIGN	TJM	QC/APPD	TJM				



NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS

#### **DEVELOPMENT APPLICATION**

City of Rockwall Planning and Zoning Department 385 S. Goliad Street Rockwall. Texas 75087

5	TA	FF	USE	ONLY	

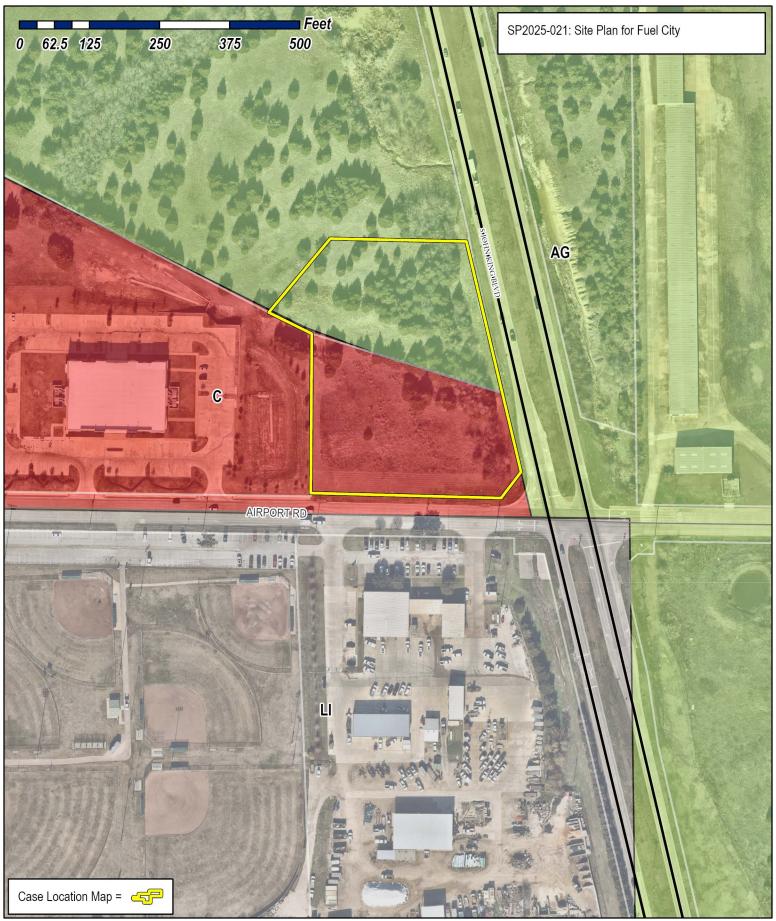
PLANNING & ZONING CASE NO.

<u>NOTE:</u> THE APPLICATION IS NOT CONSIDERED ACCEPTED BY THE CITY UNTIL THE PLANNING DIRECTOR AND CITY ENGINEER HAVE SIGNED BELOW.

Notary TD 134596025

DIRECTOR OF PLANNING:

	rookwan, roxae roocr	CITY	ENGINEEK:	
PLEASE CHECK THE A	APPROPRIATE BOX BELOW TO INDICATE THE	TYPE OF DEVELOPMENT REG	QUEST [SELECT ONLY ON	IE BOXJ:
☐ PRELIMINARY F ☐ FINAL PLAT (\$30 ☐ REPLAT (\$300.0 ☐ AMENDING OR ☐ PLAT REINSTAT  SITE PLAN APPLIC ☑ SITE PLAN (\$250	\$100.00 + \$15.00 ACRE) 1 PLAT (\$200.00 + \$15.00 ACRE) 1 00.00 + \$20.00 ACRE) 1 0 + \$20.00 ACRE) 1 MINOR PLAT (\$150.00) TEMENT REQUEST (\$100.00)	☐ SPECIFIC US ☐ PD DEVELOF  OTHER APPLIC. ☐ TREE REMO' ☐ VARIANCE R  NOTES: 1: IN DETERMINING TI PER ACRE AMOUNT. 2: A \$1,000.00 FEE N	NGE (\$200.00 + \$15.00 AC SE PERMIT (\$200.00 + \$15 PMENT PLANS (\$200.00 + ATION FEES: VAL (\$75.00) EQUEST/SPECIAL EXCEF HE FEE, PLEASE USE THE EXACT FOR REQUESTS ON LESS THAN O WILL BE ADDED TO THE APPLIC	.00 ACRE) 1 8 2 \$15.00 ACRE) 1
PROPERTY INFO	RMATION [PLEASE PRINT]			
ADDRESS				
SUBDIVISION	A0020 N Butler, Tract 4-06		LOT	BLOCK
GENERAL LOCATION	Northwest of John Kind Blvd	and Airport Rd		
ZONING, SITE PL	AN AND PLATTING INFORMATION	[PLEASE PRINT]		
CURRENT ZONING	Commercial District (C)	CURRENT USE	N/A	
PROPOSED ZONING	Commercial District (C)	PROPOSED USE	Gas Station/	Car Wash
ACREAGE	4.34 acres	JRRENT]	LOTS [PROP	OSED]
REGARD TO ITS	D. PLATS: BY CHECKING THIS BOX YOU ACKNOW! APPROVAL PROCESS, AND FAILURE TO ADDRESS BENIAL OF YOUR CASE.	EDGE THAT DUE TO THE PASS ANY OF STAFF'S COMMENTS BY	SAGE OF <u>HB3167</u> THE CITY / THE DATE PROVIDED ON	NO LONGER HAS FLEXIBILITY WITH THE DEVELOPMENT CALENDAR WILL
OWNER/APPLIC	ANT/AGENT INFORMATION [PLEASE I	PRINT/CHECK THE PRIMARY CON	ITACT/ORIGINAL SIGNATUR	ES ARE REQUIRED]
☐ OWNER	Fuel City	☐ APPLICANT	Kimley-Horn	
CONTACT PERSON	Joseph Bickham	CONTACT PERSON	Jared Earney	
ADDRESS		ADDRESS	225 E. John W. C	arpenter FWY, Ste 1100
CITY, STATE & ZIP		CITY, STATE & ZIP	Irving, TX 75062	
PHONE	469-203-0159	PHONE	817-900-8528	
E-MAIL	jbickham@fuelcity.com	E-MAIL	jared.earney@l	kimley-horn.com
BEFORE ME THE UNDER	CATION [REQUIRED] RSIGNED AUTHORITY, ON THIS DAY PERSONALLY A ION ON THIS APPLICATION TO BE TRUE AND CERTI	APPEARED 105 (Ph.) FIED THE FOLLOWING:	Bickheun 10	DWNER] THE UNDERSIGNED, WHO
S 350 SE	I AM THE OWNER FOR THE PURPOSE OF THIS APPLIC TO COVER THE COST OF THIS APPLICATION, 2015 BY SIGNING THIS APPLICATION.  D WITHIN THIS APPLICATION TO THE PUBLIC. THIS THIS APPLICATION, IF SUCH REPRODUCTION.	ATION, HAS BEEN PAID TO THE CIT ON, I AGREE THAT THE CITY OF RO E CITY IS ALSO AUTHORIZED AN	'Y OF ROCKWALL ON THIS THE OCKWALL (I.E. "CITY") IS AUTH D PERMITTED TO REPRODU	EDAY OF HORIZED AND PERMITTED TO PROVIDE ICE ANY COPYRIGHTED INFORMATION
GIVEN UNDER MY HAND	AND SEAL OF OFFICE ON THIS THE 15 DAY OF	- May , 202	S NA PUB	GLORIA AGUIRRE S Notary Public, State of Texas
	OWNED'S SIGNATURE			25 Comm. Expires 10-09-2027



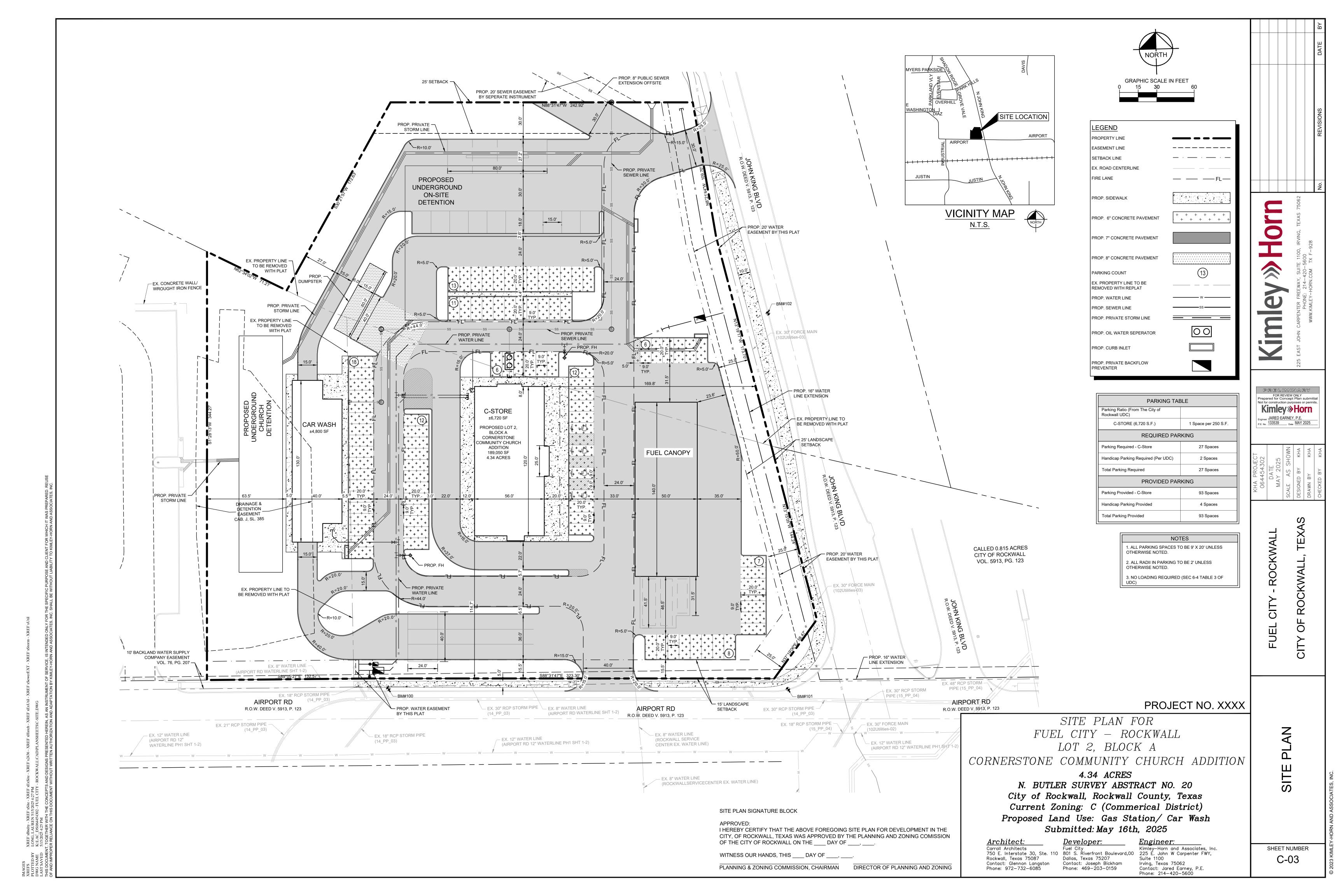


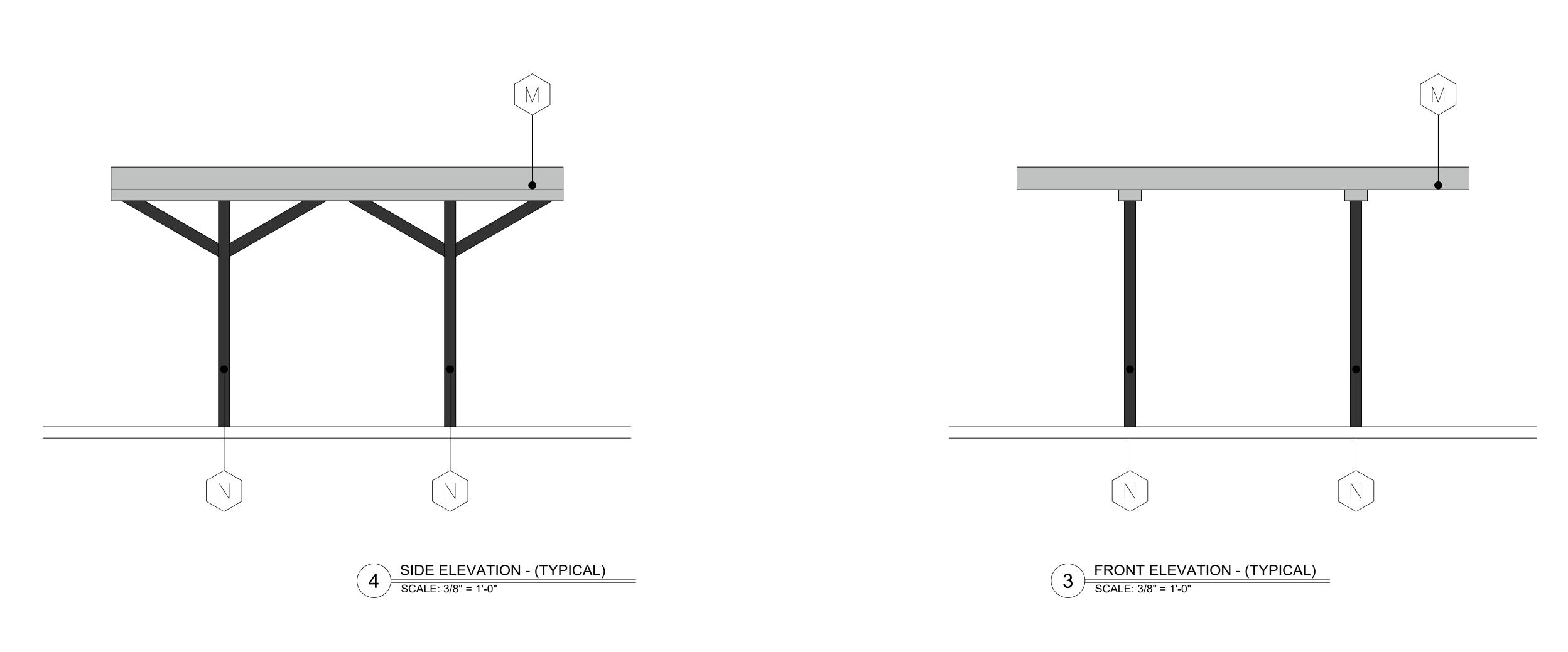
## City of Rockwall Planning & Zoning Department 385 S. Goliad Street Rockwall, Texas 75087

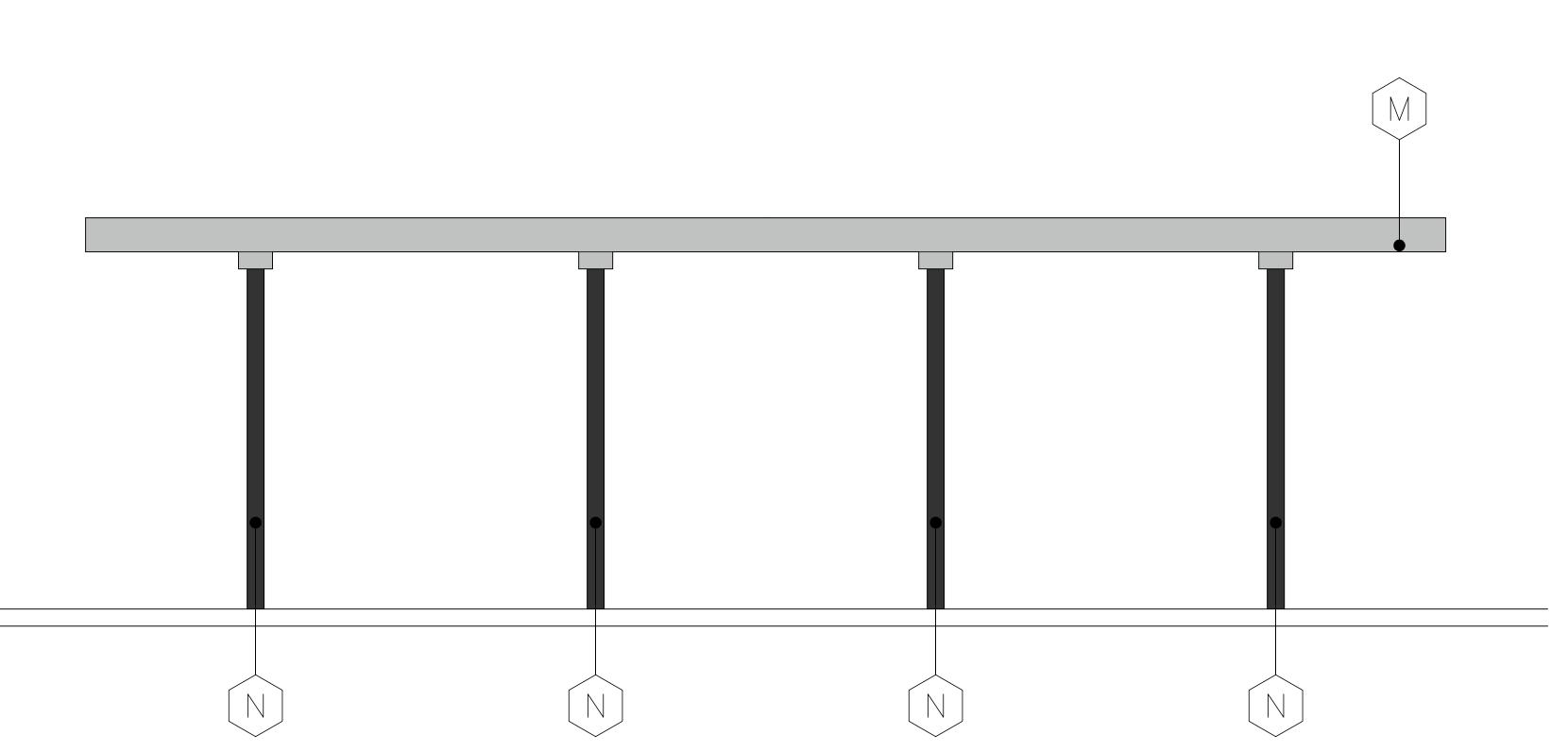
(P): (972) 771-7745 (W): www.rockwall.com

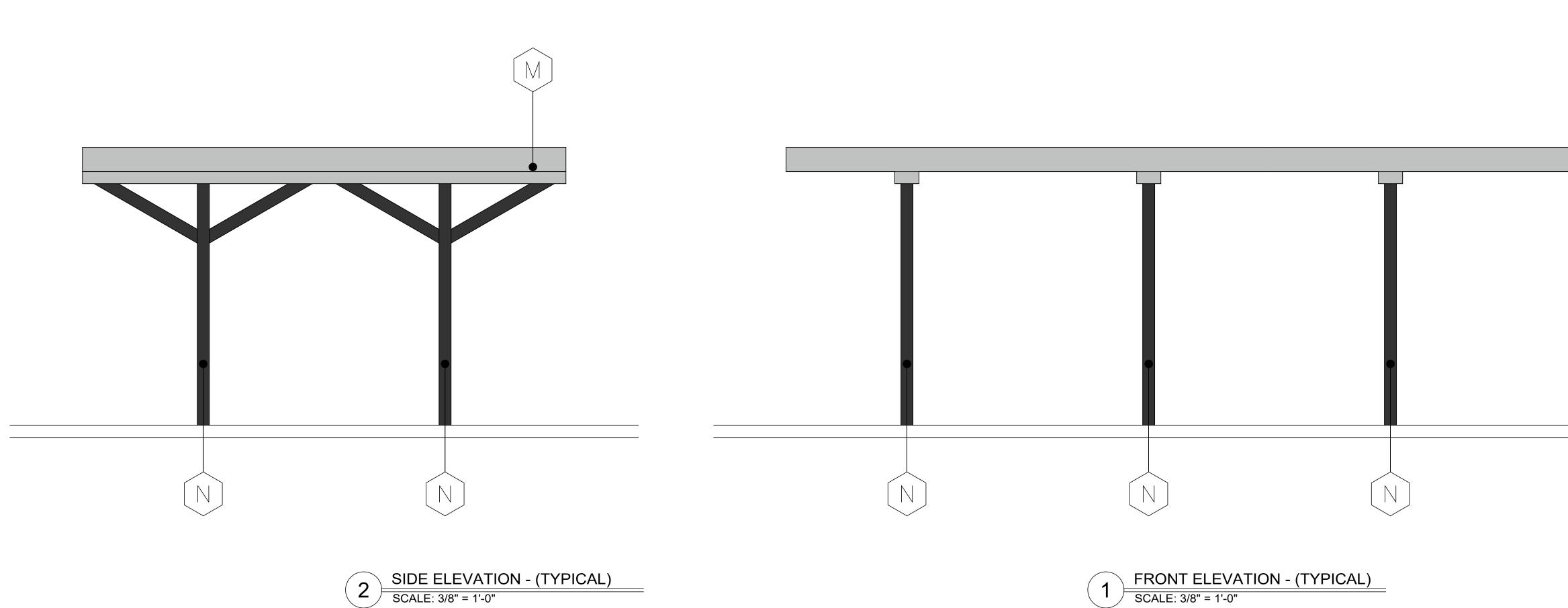
The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.





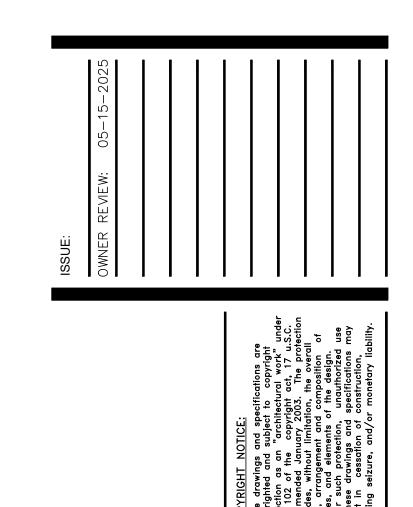






FRONT ELEVATION - (TYPICAL)

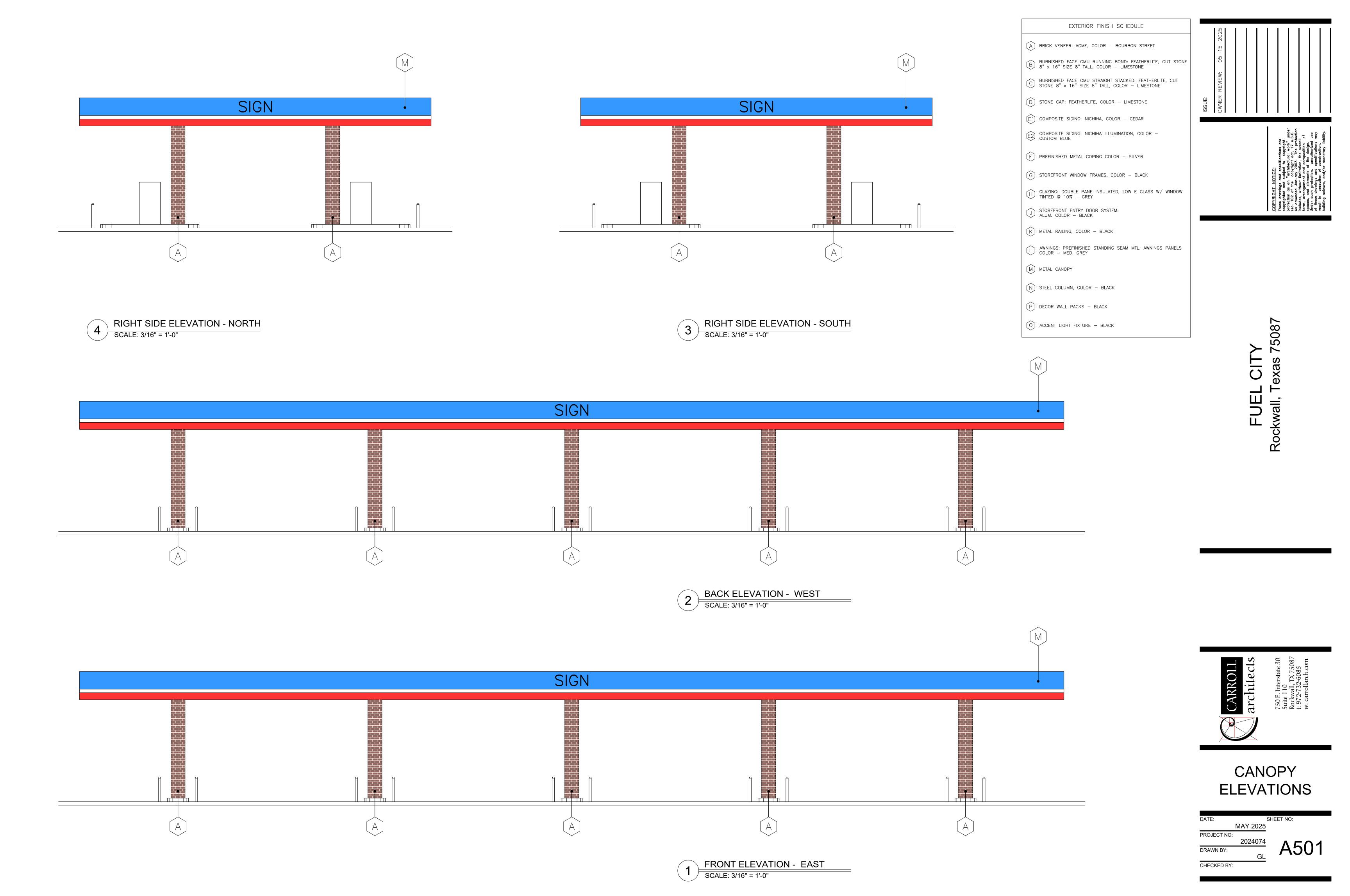
SCALE: 3/8" = 1'-0"





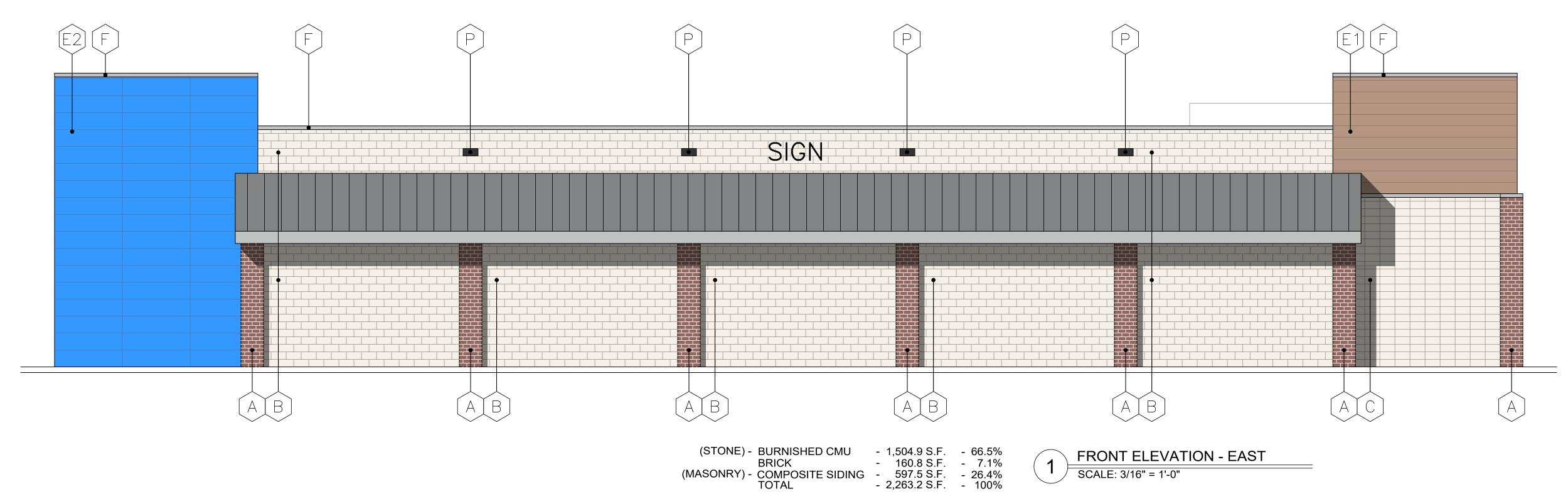
MONUMENT SIGN **ELEVATION** 

A501



(STONE) - BURNISHED CMU - 306.1 S.F. - 48.7%
BRICK - 84.6 S.F. - 13.5%
MASONRY) - COMPOSITE SIDING - 237.7 S.F. - 37.8%
- 628 4 S.F. - 100%

RIGHT SIDE ELEVATION - SOUTH
SCALE: 3/16" = 1'-0"



BRICK - 84.6 S.F. - 13.5% (MASONRY) - COMPOSITE SIDING - 237.7 S.F. - 37.8% TOTAL - 628.4 S.F. - 100%

FRONT ELEVATION - EAST

SCALE: 3/16" = 1'-0"

EXTERIOR FINISH SCHEDULE

- (A) BRICK VENEER: ACME, COLOR BOURBON STREET
- B BURNISHED FACE CMU RUNNING BOND: FEATHERLITE, CUT STONE 8" x 16" SIZE 8" TALL, COLOR LIMESTONE
- BURNISHED FACE CMU STRAIGHT STACKED: FEATHERLITE, CUT STONE 8" x 16" SIZE 8" TALL, COLOR LIMESTONE
- (D) STONE CAP: FEATHERLITE, COLOR LIMESTONE
- (E1) COMPOSITE SIDING: NICHIHA, COLOR CEDAR
- COMPOSITE SIDING: NICHIHA ILLUMINATION, COLOR CUSTOM BLUE
- F PREFINISHED METAL COPING COLOR SILVER
- G STOREFRONT WINDOW FRAMES, COLOR BLACK
- H GLAZING: DOUBLE PANE INSULATED, LOW E GLASS W/ WINDOW TINTED @ 10% GREY
- STOREFRONT ENTRY DOOR SYSTEM: ALUM. COLOR BLACK
- K METAL RAILING, COLOR BLACK
- AWNINGS: PREFINISHED STANDING SEAM MTL. AWNINGS PANELS COLOR MED. GREY
- M METAL CANOPY
- (N) STEEL COLUMN, COLOR BLACK
- (P) DECOR WALL PACKS BLACK
- Q ACCENT LIGHT FIXTURE BLACK

75087 5 FUEL Rockwall,

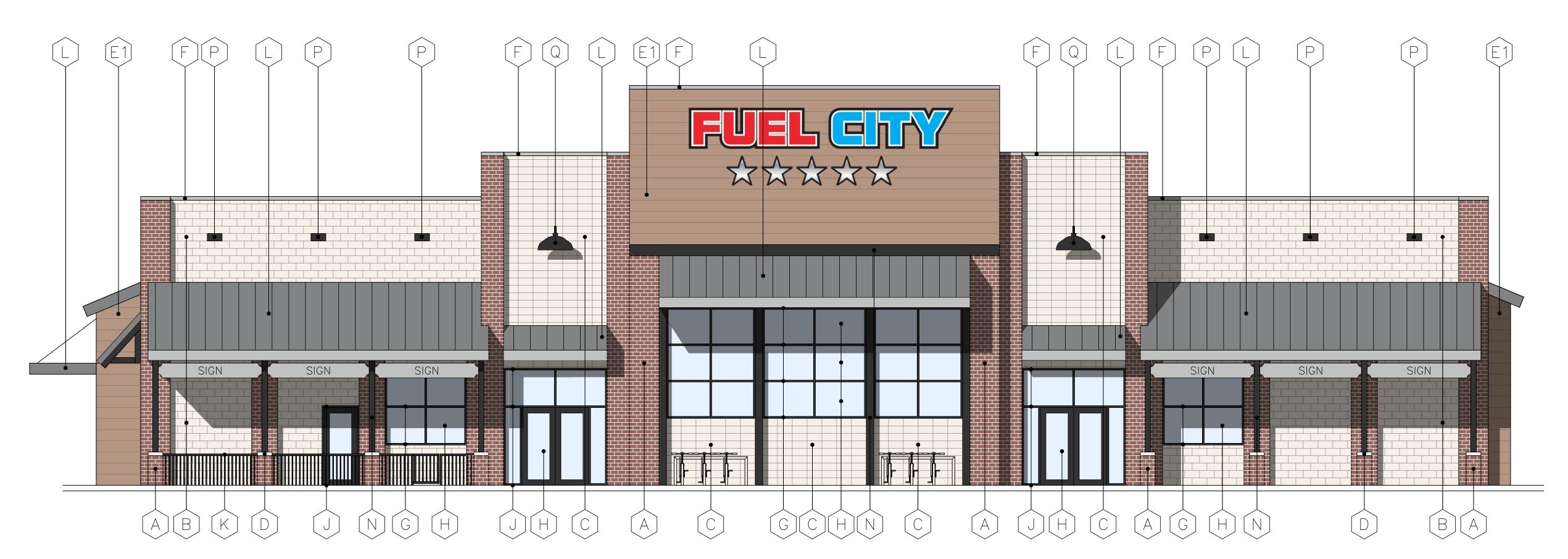


CARWASH **ELEVATIONS** 

PROJECT NO:

(STONE) - BURNISHED CMU - 958.1 S.F. - 55.7%
BRICK - 326.9 S.F. - 19.0%
MASONRY) - COMPOSITE SIDING - 433.8 S.F. - 25.6%
- 1 718 8 S.F. - 100%

RIGHT SIDE ELEVATION - SOUTH
SCALE: 3/16" = 1'-0" BRICK - 326.9 S.F. - 19.0% (MASONRY) - COMPOSITE SIDING - 433.8 S.F. - 25.6% TOTAL - 1,718.8 S.F. - 100%

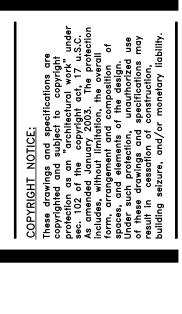


(STONE) - BURNISHED CMU - 1,234.9 S.F. - 50.7% BRICK - 626.4 S.F. - 25.7% (MASONRY) - COMPOSITE SIDING - 576.7 S.F. - 23.6% TOTAL - 2,438.0 S.F. - 100%

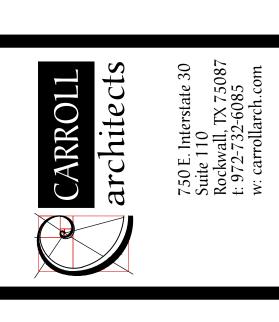
FRONT ELEVATION - EAST

EXTERIOR FINISH SCHEDULE

- (A) BRICK VENEER: ACME, COLOR BOURBON STREET
- B BURNISHED FACE CMU RUNNING BOND: FEATHERLITE, CUT STONE 8" x 16" SIZE 8" TALL, COLOR LIMESTONE
- BURNISHED FACE CMU STRAIGHT STACKED: FEATHERLITE, CUT STONE 8" x 16" SIZE 8" TALL, COLOR LIMESTONE
- (D) STONE CAP: FEATHERLITE, COLOR LIMESTONE
- (E1) COMPOSITE SIDING: NICHIHA, COLOR CEDAR
- © COMPOSITE SIDING: NICHIHA ILLUMINATION, COLOR CUSTOM BLUE
- F PREFINISHED METAL COPING COLOR SILVER
- G STOREFRONT WINDOW FRAMES, COLOR BLACK
- H GLAZING: DOUBLE PANE INSULATED, LOW E GLASS W/ WINDOW TINTED @ 10% GREY
- STOREFRONT ENTRY DOOR SYSTEM: ALUM. COLOR BLACK
- (K) METAL RAILING, COLOR BLACK
- AWNINGS: PREFINISHED STANDING SEAM MTL. AWNINGS PANELS COLOR MED. GREY
- M METAL CANOPY
- (N) STEEL COLUMN, COLOR BLACK
- (P) DECOR WALL PACKS BLACK
- Q ACCENT LIGHT FIXTURE BLACK



75087 FUEL

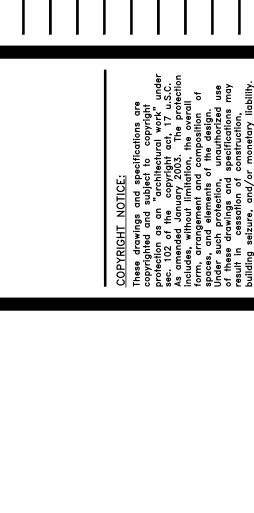


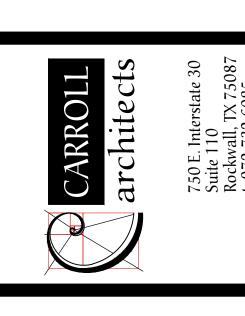
**EXTERIOR ELEVATIONS** 

DATE:	5	SHEET
	MAY 2025	
PROJECT NO:		
	2024074	4
DRAWN BY:		F
	GI	-

CHECKED BY:

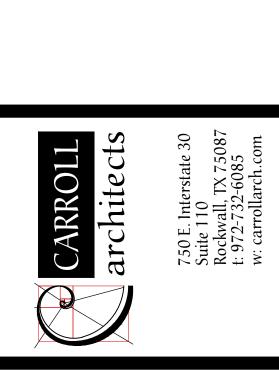






## MONUMENT SIGN ELEVATION

DATE:		SHEET NO:
	MAY 2025	
PROJECT NO:		
	2024074	Λ <i>Γ</i>
DRAWN BY:		A
	GL	, .
CHECKED BY:		



### VACUUM CANOPY ELEVATIONS

DATE: SHEET NO:

MAY 2025

PROJECT NO:

2024074

DRAWN BY:

GL

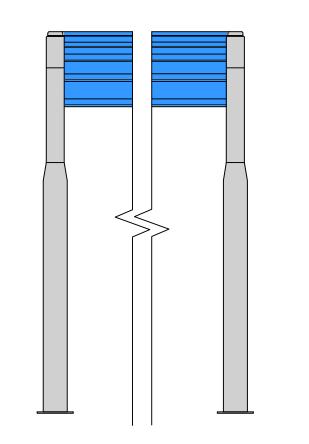
CHECKED BY:

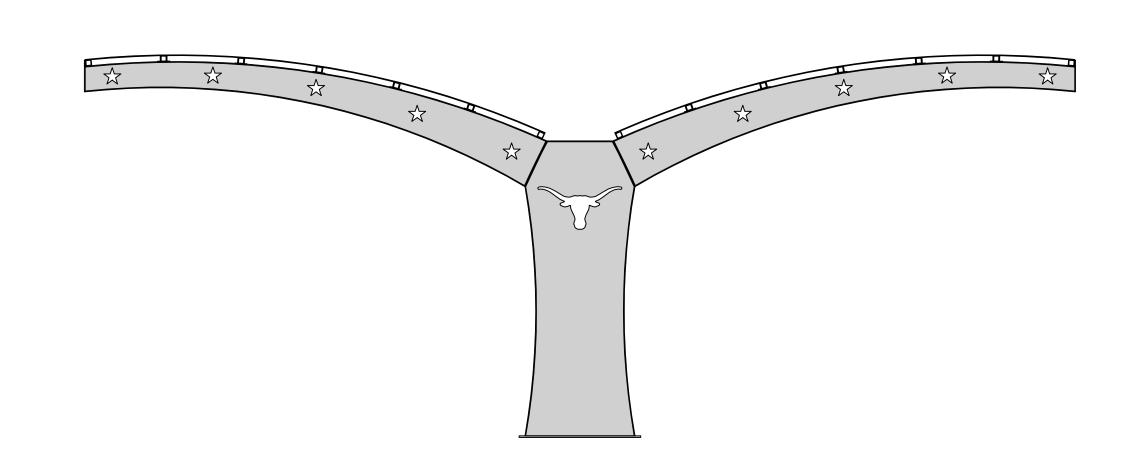


SIDE ELEVATION - (TYPICAL SINGLE)

SCALE: 3/8" = 1'-0"





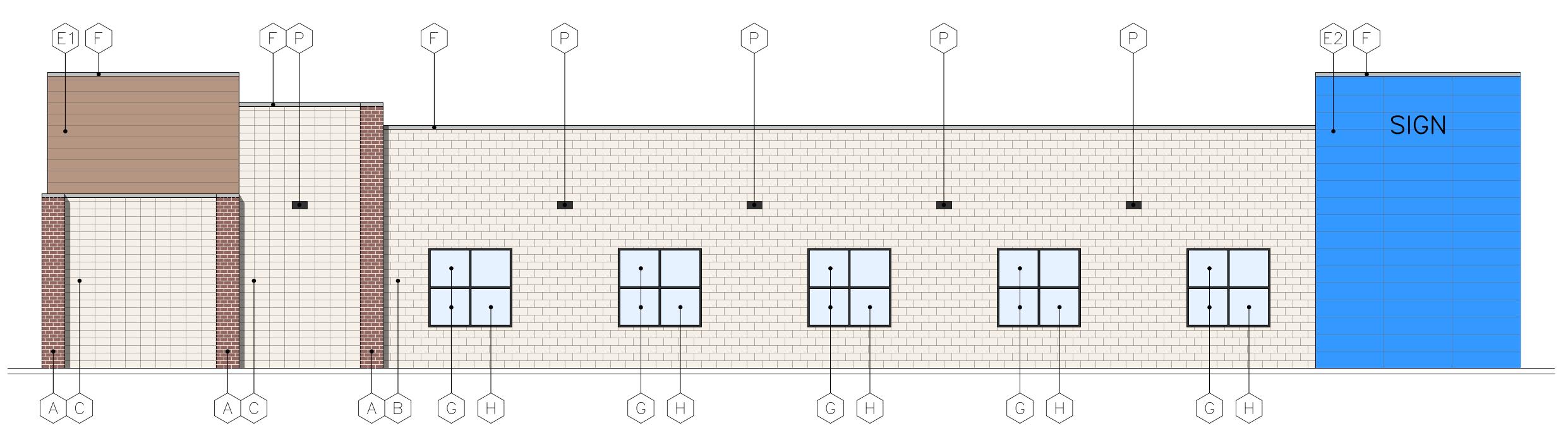


EXTERIOR FINISH SCHEDULE

- (A) BRICK VENEER: ACME, COLOR BOURBON STREET
- B BURNISHED FACE CMU RUNNING BOND: FEATHERLITE, CUT STONE 8" x 16" SIZE 8" TALL, COLOR LIMESTONE
- BURNISHED FACE CMU STRAIGHT STACKED: FEATHERLITE, CUT STONE 8" x 16" SIZE 8" TALL, COLOR LIMESTONE
- D STONE CAP: FEATHERLITE, COLOR LIMESTONE
- (E1) COMPOSITE SIDING: NICHIHA, COLOR CEDAR
- COMPOSITE SIDING: NICHIHA ILLUMINATION, COLOR CUSTOM BLUE
- (F) PREFINISHED METAL COPING COLOR SILVER
- G STOREFRONT WINDOW FRAMES, COLOR BLACK
- H GLAZING: DOUBLE PANE INSULATED, LOW E GLASS W/ WINDOW TINTED @ 10% GREY
- STOREFRONT ENTRY DOOR SYSTEM: ALUM. COLOR BLACK
- (K) METAL RAILING, COLOR BLACK
- AWNINGS: PREFINISHED STANDING SEAM MTL. AWNINGS PANELS COLOR MED. GREY
- M METAL CANOPY
- (N) STEEL COLUMN, COLOR BLACK
- (P) DECOR WALL PACKS BLACK
- Q ACCENT LIGHT FIXTURE BLACK

75087 5 FUEL Rockwall,

(STONE) - BURNISHED CMU - 153.6 S.F. - 24.3 BRICK - 36.1 S.F. - 5.7% MASONRY) - COMPOSITE SIDING - 443.6 S.F. - 70.0% - 633.3 S.F. - 100%



BRICK - 36.1 S.F. - 5.7% (MASONRY) - COMPOSITE SIDING - 443.6 S.F. - 70.0% TOTAL - 633.3 S.F. - 100%

(STONE) - BURNISHED CMU - 1,932.0 S.F. - 72.3% BRICK - 106.0 S.F. - 4.0% (MASONRY) - COMPOSITE SIDING - 635.9 S.F. - 26.4% TOTAL - 2,673.9 S.F. - 100%

BACK ELEVATION - WEST

SCALE: 3/16" = 1'-0"

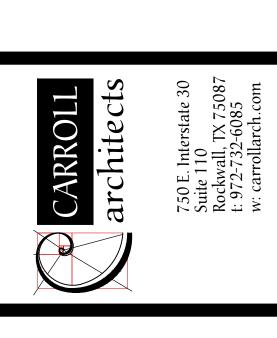
## CARWASH **ELEVATIONS**

PROJECT NO:



EXTERIOR FINISH SCHEDULE

(A) BRICK VENEER: ACME, COLOR - BOURBON STREET



# EXTERIOR ELEVATIONS

DATE: SHEET NO:

MAY 2025

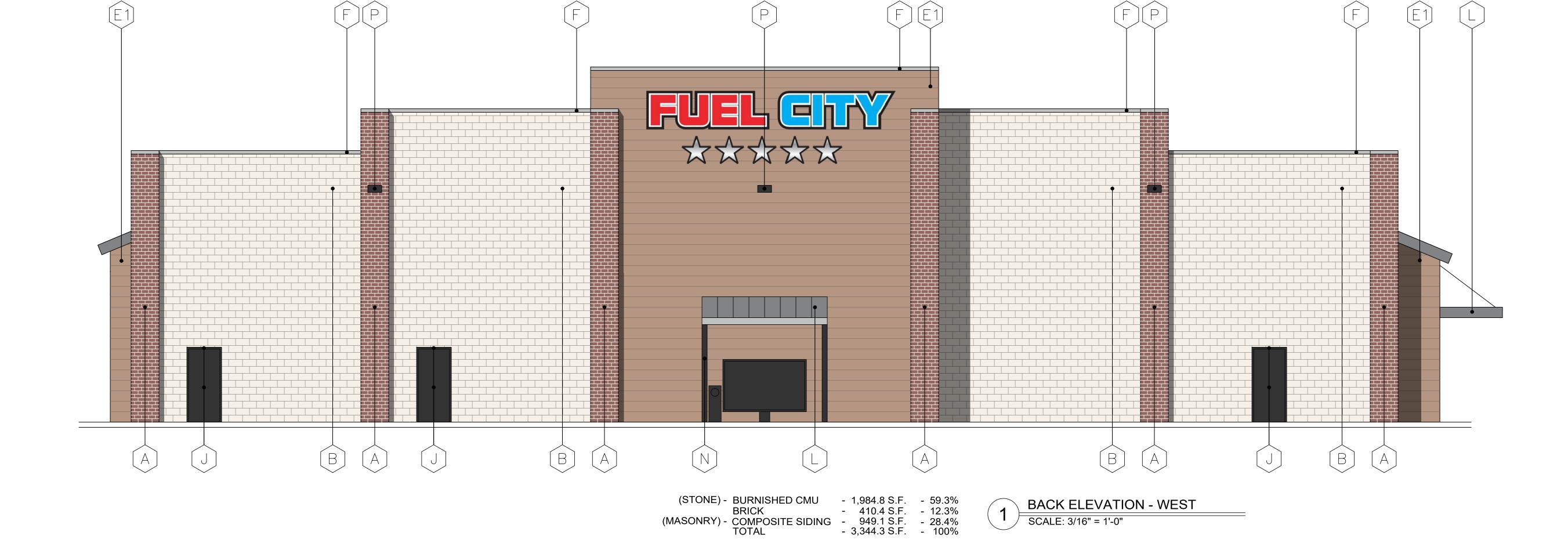
PROJECT NO:

2024074

DRAWN BY:

GL

CHECKED BY:



(STONE) - BURNISHED CMU - 883.1 S.F. - 54.8% BRICK - 326.9 S.F. - 20.3% (MASONRY) - COMPOSITE SIDING TOTAL - 1,612.0 S.F. - 100%

**AIRPORT ROAD** 

SITE LOCATION AIRPORT VICINITY MAP

TREE PRESERVATION LEGEND

EXISTING TREE TO BE REMOVED

L.A. No. 3404 Date 5/15/2025

SHEET NUMBER TP 1.01

CONTRACTOR SHALL NOT REMOVE ANY TREE UNTIL A TREE REMOVAL PERMIT HAS BEEN OBTAINED FROM THE APPLICABLE CITY AUTHORITY. A FORMAL TREE REMOVAL PERMIT MUST BE REQUESTED AND APPROVED PRIOR TO ANY TREE DISTURBANCE OR REMOVAL ACTIVITIES. THESE PLANS DO CONSTITUTE AUTHORIZATION FOR TREE REMOVAL, NOR DO THEY IMPLY APPROVAL FOR SUCH ACTION. APPROVAL OF THESE PLANS BY THE CITY IS REQUIRED AS PART OF THE TREE REMOVAL PERMITTING PROCESS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL REQUIRED PERMITS ARE SECURED PRIOR TO COMMENCING WORK.

> SITE PLAN FOR FUEL CITY - ROCKWALL LOT 2, BLOCK A CORNERSTONE COMMUNITY CHURCH

> > 4.34 ACRES

N. BUTLER SURVEY ABSTRACT NO. 20 City of Rockwall, Rockwall County, Texas Current Zoning: C (Commerical District) Proposed Land Use: Gas Station/ Car Wash Submitted: May 16th, 2025

Rockwall, Texas 75087 Contact: Glennon Langston Phone: 972-732-6085

Dallas, Texas 75207 Contact: Joseph Bickham Phone: 469-203-0159

Carroll Architects
750 E. Interstate 30, Ste. 110
Fuel City
801 S. Riverfront Boulevard,00
Kimley-Horn and Associates, Inc. 225 E. John W Carpenter FWY, Irving, Texas 75062 Contact: Jared Earney, P.E. Phone: 214-420-5600

### TREE PRESERVATION AND REMOVAL NOTES

1. CONTRACTOR SHALL COORDINATE WITH ISA CERTIFIED ARBORIST AND PROPERTY OWNERS TO VERIFY OBJECTIVES PRIOR TO COMMENCING ANY PRUNING OR TREE REMOVAL ACTIVITIES.

2. ALL CREW MEMBERS SHOULD BE WEARING THE APPROPRIATE SAFETY GEAR: HARD HATS, EYE PROTECTION, APPROVED BOOTS, HEARING

3. ANY TREES REMOVED, AND ALL TREE MATERIALS REMOVED SHALL BE REMOVED FROM THE PROPERTY AT THE CONTRACTOR'S EXPENSE

4. ALL TRASH AND DEBRIS FROM ANY CONSTRUCTION RELATED ACTIVITIES SHALL BE REMOVED FROM THE SITE AT THE CONTRACTOR'S EXPENSE, FOLLOWING COMPLETION OF THE PROJECT.

5. ANY DAMAGE TO THE EXISTING LANDSCAPE, PAVEMENT, BUILDING, OR ANY OTHER SITE FEATURES SHALL BE REPLACED BY THE CONTRACTOR AND/OR RESTORED TO PRE-CONSTRUCTION CONDITION.

6. CONTRACTOR SHALL PROVIDE REMOVAL, STORAGE, AND TRANSPLANTING OF EXISTING TREES ON SITE. THE CONTRACTOR SHALL REMOVE EACH EXISTING TREE THROUGH THE USE OF HAND DIGGING, OR WITH THE USE OF AN APPROVED MECHANICAL DEVICE. TREES SHALL BE HARVESTED AS BALLED & BURLAPPED TREE SPECIMENS, PER ANSI Z60 STANDARDS, AND TRANSPORTED TO NEW LOCATION ON SITE, OR AT ALTERNATE SITE AS DIRECTED OR APPROVED BY THE OWNER. CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS NECESSARY TO PROVIDE FOR REMOVAL, PLACEMENT OF BURLAP, PLACEMENT OF WIRE BASKET OR OTHER APPROVED BALL-SUPPORTING DEVICE, TRANSPORT TO TEMPORARY STORAGE AREA, ONGOING MAINTENANCE AND WATERING DURING CONSTRUCTION, AND RE-PLANTING TO BE PERFORMED UPON COMPLETION OF MAJOR SITE WORK. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE GUIDELINES AND RECOMMENDATIONS SET FORTH IN THE AMERICAN STANDARDS FOR NURSERY STOCK.

PROTECTION, CHAIN SAW CHAPS FOR GROUNDWORK.

1 1	1		I	1	1					I , , , , , , , , , , , , , , , , , , ,				Γ			T	
<b>TAG# DB</b> 1552 6.	<b>BH</b> 6.2	eastern redcedar	Juniperus virginiana	CONDITION Healthy (5)	MULTIPLE-STEMMED Single	PROTECT OR REMOVE Remove	MITIGATION REQUIRED (IN)	8220 5.5 8221 6.8	eastern redcedar eastern redcedar	Juniperus virginiana  Juniperus virginiana	Healthy (5) Healthy (5)	Single Single	Remove Remove	4	8357 6.3 8358 7.6	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	, , ,
1552 0. 1553 6.	5.2 6.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8222 24.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Multi	Remove	4	8359 6.8	eastern redcedar	Juniperus virginiana	
1554 13.	3.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Multi	Remove	4	8223 5.5	American elm	Ulmus americana	Healthy (5)	Single	Remove	5.5'	8360 6.0	eastern redcedar	Juniperus virginiana	Healthy (5)
1555 8.	3.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8224 24.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4	8361 10.8	hackberry	Celtis laevigata	, , ,
1000	5.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8225 12.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8362 4.8	eastern redcedar	Juniperus virginiana	, , ,
1557 8.	3.7	eastern redeedar	Juniperus virginiana	Healthy (5)	Multi	Remove	4	8226 10.3	eastern redeedar	Juniperus virginiana	Healthy (5)	Single	Remove Remove	4	8363 7.3 8364 4.8	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	<u> </u>
1558 4. 1559 7.	4.5 7.0	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	Healthy (5) Healthy (5)	Single Single	Remove Remove	4	8227 5.1 8228 9.3	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	Healthy (5) Healthy (5)	Single Forked	Remove	<u>4</u> 4	8365 5.6	eastern redcedar	Juniperus virginiana	
1560 10.	0.6	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4	8229 6.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8366 6.0	eastern redcedar	Juniperus virginiana	Healthy (5)
	5.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8230 5.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8367 7.2	eastern redcedar	Juniperus virginiana	• • • • • • • • • • • • • • • • • • • •
1562 6.	6.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8231 11.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8368 6.5	eastern redcedar	Juniperus virginiana	, , ,
1563 6.	5.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8232 4.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8369 7.3 8370 4.8	eastern redcedar hackberry	Juniperus virginiana Celtis laevigata	- ' ' '
1564 12.	2.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Multi	Remove	4	8233 6.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8371 7.0	eastern redcedar	Juniperus virginiana	, , ,
1565 5. 1566 4.	0.1	eastern redeedar	Juniperus virginiana	Healthy (5) Healthy (5)	Single Single	Remove Remove	4	8234 10.6	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8372 6.1	hackberry	Celtis laevigata	
	6.0	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	Healthy (5)	Single	Remove	4	8235   12.0   8236   7.3	hackberry eastern redcedar	Celtis laevigata  Juniperus virginiana	Healthy (5) Healthy (5)	Single Single	Remove Remove	4	8373 7.3	hackberry	Celtis laevigata	Healthy (5)
	5.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8237 5.2	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8374 12.2	hackberry	Celtis laevigata	Declining (1)
1569 5.	5.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8238 5.8	American elm	Ulmus americana	Healthy (5)	Single	Remove	5.8	8375 18.6	hackberry	Celtis laevigata	, , ,
1570 6.	5.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4	8239 5.0	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8376 9.9 8377 5.9	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	
	5.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8240 4.0	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8378 3.6	live oak	Quercus virginiana	, , ,
1572 5. 1573 8.	5.9 B.4	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	Healthy (5) Healthy (5)	Single Single	Remove Remove	4	8241 9.1	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8379 3.1	live oak	Quercus virginiana	
1573 6. 1574 6.		eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4	8242 4.3 8243 22.7	hackberry eastern redcedar	Celtis laevigata  Juniperus virginiana	Healthy (5) Healthy (5)	Single Multi	Remove Remove	4	8380 3.1	live oak	Quercus virginiana	Healthy (5)
1575 7.	7.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8244 7.1	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8381 3.9	live oak	Quercus virginiana	- ' ' '
1576 5.	5.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8245 14.3	American elm	Ulmus americana	Healthy (5)	Forked	Remove	14.3	8382 4.2 8383 3.3	live oak	Quercus virginiana Quercus virginiana	, , ,
	9.9	eastern redcedar	Juniperus virginiana	Healthy (5)	Multi	Remove	4	8246 9.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8384 4.4	live oak	Quercus virginiana	
1578 14.		eastern redcedar	Juniperus virginiana	Healthy (5)	Multi	Remove	4	8247 7.4	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8385 2.6	live oak	Quercus virginiana	Healthy (5)
1579 7. 1580 5.	7.3 5.8	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	Healthy (5) Healthy (5)	Forked Forked	Remove Remove	4	8248 6.5 8249 5.4	eastern redcedar hackberry	Juniperus virginiana  Celtis laevigata	Healthy (5) Healthy (5)	Forked Single	Remove Remove	4	8386 3.1	live oak	Quercus virginiana	
	5.6 6.4	eastern redcedar	Juniperus virginiana  Juniperus virginiana	Healthy (5)	Single	Remove	4	8249 5.4 8250 5.0	hackberry	Celtis laevigata  Celtis laevigata	Healthy (5)	Single	Remove	0	8387 2.9	live oak	Quercus virginians	, , , ,
1582 10.	<del>-                                    </del>	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4	8251 5.3	American elm	Ulmus americana	Healthy (5)	Single	Remove	5.3	8388 3.8 8389 4.2	live oak	Quercus virginiana Quercus virginiana	• • • •
	6.5	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8252 5.2	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8390 3.9	live oak	Quercus virginiana	
	5.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4	8253 4.1	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8391 4.1	live oak	Quercus virginiana	• • • • • • • • • • • • • • • • • • • •
	5.4	eastern redeedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8254 4.4	hackberry	Celtis laevigata	Healthy (5)	Forked	Remove	0	8392 6.2	live oak	Quercus virginiana	, , , ,
1 1 1 1 1	4.5 3.6	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	Healthy (5) Healthy (5)	Multi Single	Remove Remove	4 1	8255 6.2 8256 11.8	hackberry hackberry	Celtis laevigata Celtis laevigata	Healthy (5) Healthy (5)	Multi Multi	Remove Remove	0	8393 4.1	live oak	Quercus virginiana	
1595 6. 1596 6.	5.4	eastern redcedar	Juniperus virginiana  Juniperus virginiana	Healthy (5)	Single	Remove	4	8256 11.8 8257 8.8	hackberry hackberry	Celtis laevigata  Celtis laevigata	Healthy (5)	Single	Remove	0	8394 4.3 8395 5.1	live oak	Quercus virginiana Quercus virginiana	- ' ' '
1597 5.	5.7	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8258 6.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8395 5.1 8396 11.3	eastern redcedar	Juniperus virginiana	
1598 11.	1.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Multi	Remove	4	8259 6.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8397 14.6	eastern redcedar	Juniperus virginiana	
1599 7.	7.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Multi	Remove	4	8260 5.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8398 7.6	eastern redcedar	Juniperus virginiana	Healthy (5)
	5.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Multi	Remove	4	8261 9.8	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8399 8.3	eastern redcedar	Juniperus virginiana	- ' '
1601 5.	5.0	eastern redcedar	Juniperus virginiana	Healthy (5) 1 <b>602-7900 were no</b>	Single	Remove	4	8262 9.5 8263 4.4	hackberry eastern redcedar	Celtis laevigata  Juniperus virginiana	Healthy (5) Healthy (5)	Single Single	Remove Remove	0	8400 7.4	eastern redcedar	Juniperus virginiana	gs 8401-8450 were i
7901 9.	9.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8264 6.1	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8451 6.4	eastern redcedar	Juniperus virginiana	
	6.0	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8265 6.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8452 6.1	eastern redcedar	Juniperus virginiana	
7903 7.	7.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8266 5.1	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8453 6.5	eastern redcedar	Juniperus virginiana	na Healthy (5)
7904 6.	5.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8267 6.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8454 7.1	eastern redcedar	Juniperus virginiana	, , ,
7905 10. 7906 14.	0.3	eastern redcedar eastern redcedar	Juniperus virginiana	Healthy (5) Healthy (5)	Single Forked	Remove Remove	4	8268 7.5	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8455 6.2 8456 8.3	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	, , ,
	8.5	eastern redcedar	Juniperus virginiana Juniperus virginiana	Healthy (5)	Single	Remove	4	8269 5.3 8270 8.2	eastern redcedar hackberry	Juniperus virginiana  Celtis laevigata	Healthy (5) Healthy (5)	Single Single	Remove Remove	0	8457 15.3	eastern redcedar	Juniperus virginiana	
7908 14.		eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4	8271 6.3	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8458 11.3	eastern redcedar	Juniperus virginiana	
7909 6.	6.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8272 8.6	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8459 9.6	eastern redcedar	Juniperus virginiana	a Healthy (5)
7910 7.	7.9	eastern redcedar	Juniperus virginiana	-		Damas in	4									<del> </del>		
			<del>-</del>	Healthy (5)	Single	Remove	4	8273 5.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8460 9.8	eastern redcedar	Juniperus virginiana	, , ,
7911 8.	8.7 5.7	eastern redeedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8274 17.2	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	4 0		eastern redcedar d tag series: 1551-1601	<u> </u>	, , ,
7911 8. 7912 5.	5.7	eastern redcedar	Juniperus virginiana Juniperus virginiana	Healthy (5) Healthy (5)	Single Single	Remove Remove	4 4 4	8274 17.2 8275 10.2	hackberry hackberry	Celtis laevigata Celtis laevigata	Healthy (5) Healthy (5)	Single Single	Remove Remove	0		d tag series: 1551-1601	1, 7901-7950, 8201-84	, , ,
7911 8. 7912 5. 7913 16.	5.7		Juniperus virginiana	Healthy (5)	Single	Remove	4 4 4 4	8274 17.2	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	4 0 0 0 0 4	Kimley-Horn re	d tag series: 1551-1601	1, 7901-7950, 8201-84	100, and 8451-8460.
7911 8. 7912 5. 7913 16. 7914 8. 7915 6.	5.7 6.6 8.8 6.7	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana Juniperus virginiana Juniperus virginiana Juniperus virginiana	Healthy (5) Healthy (5) Healthy (5) Healthy (5) Healthy (5) Healthy (5)	Single Single Multi Forked Single	Remove Remove Remove Remove Remove	4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8	hackberry hackberry hackberry	Celtis laevigata Celtis laevigata Celtis laevigata	Healthy (5) Healthy (5) Healthy (5)	Single Single Forked	Remove Remove	0	Kimley-Horn red	tag series: 1551-1601  TREE MITIGAT  Required	1, 7901-7950, 8201-84	, , ,
7911 8. 7912 5. 7913 16. 7914 8. 7915 6. 7916 6.	5.7 5.6 8.8 6.7 6.3	eastern redcedar eastern redcedar eastern redcedar eastern redcedar eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single	Remove Remove Remove Remove Remove Remove Remove	4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana	Healthy (5)	Single Single Forked Single Single Single	Remove Remove Remove Remove Remove Remove Remove	0 0 4 4 4	Total Mitigation Total Provided I	d tag series: 1551-1601	1, 7901-7950, 8201-84	100, and 8451-8460.
7911 8. 7912 5. 7913 16. 7914 8. 7915 6. 7916 6. 7917 14.	5.7 5.6 3.8 6.7 6.3 4.2	eastern redcedar eastern redcedar eastern redcedar eastern redcedar eastern redcedar eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi	Remove Remove Remove Remove Remove Remove Remove Remove	4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata	Healthy (5)	Single Single Forked Single Single Single Single Single	Remove Remove Remove Remove Remove Remove Remove Remove	0 0 4 4 4 0	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 4" Cal.	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental	1, 7901-7950, 8201-84	100, and 8451-8460.
7911 8. 7912 5. 7913 16. 7914 8. 7915 6. 7916 6. 7917 14. 7918 8.	5.7 5.6 8.8 6.7 6.3	eastern redcedar eastern redcedar eastern redcedar eastern redcedar eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove Remove Remove Remove Remove Remove Remove	4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata	Healthy (5)	Single Single Forked Single Single Single Single Single Single Single	Remove Remove Remove Remove Remove Remove Remove Remove Remove	0 0 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal.	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental	1, 7901-7950, 8201-84	883.5 312
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.	5.7 5.6 3.8 6.7 6.3 4.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi	Remove	4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata	Healthy (5)	Single Single Forked Single Single Single Single Single	Remove Remove Remove Remove Remove Remove Remove Remove	0 0 4 4 4 0	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental Needed	ΠΟΝ	312 571.5
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.	5.7 6.6 3.8 6.7 6.3 4.2 3.5 7.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Multi Single Single	Remove	4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata	Healthy (5)	Single Single Forked Single Single Single Single Single Single Single Single	Remove	0 0 4 4 4 0 0	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal.	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental Needed	ΠΟΝ	883.5 312
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.	5.7 6.6 3.8 6.7 6.3 4.2 8.5 7.3 5.9 6.8 0.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Single Single Single Single Single Single Single	Remove	4 4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata	Healthy (5)	Single Single Forked Single Single Single Single Single Single Single Single Single	Remove	0 0 4 4 4 0 0 0	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental Needed	ΠΟΝ	312 571.5
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Single Single Single Single Single Single Single Forked	Remove	4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata	Healthy (5) Declining (1) Healthy (5) Healthy (5)	Single Single Forked Single	Remove	0 0 4 4 4 0 0 0	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental Needed	ΠΟΝ	312 571.5
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.	5.7 6.6 3.8 6.7 6.3 4.2 8.5 7.3 5.9 6.8 0.2 2.5 3.5	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Single Single Single Single Single Single Forked Forked	Remove	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 4 4 4 0 0 0	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental Needed	ΠΟΝ \$ 114,	883.5 312 571.5 ,300.00
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Single Single Single Single Single Single Single Forked	Remove	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata	Healthy (5) Declining (1) Healthy (5) Healthy (5) Healthy (5) Healthy (5) Healthy (5) Healthy (5)	Single Single Forked Single	Remove	0 0 4 4 4 0 0 0	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation Total Mitigation Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost	1, 7901-7950, 8201-84	883.5 312 571.5 ,300.00
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.         7925       8.         7927       7.	5.7 6.6 3.8 6.7 6.3 4.2 8.5 7.3 5.9 6.8 0.2 2.5 3.5	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Forked Forked Single Single	Remove	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 4 4 4 0 0 0	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation Total Mitigation Total Mitigation  NOTE: CONTRACT HAS BEEN	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost	1, 7901-7950, 8201-84	312 571.5 ,300.00 TREE UNTIL A T
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.         7925       8.         7926       7.         7928       5.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Forked Forked Single Single Single	Remove	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation Total Mitigation Total Mitigation Total Mitigation REMOVAL	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental So" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B	REMOVE ANY TO THE APPLICAL REQUESTED A	571.5 ,300.00  TREE UNTIL A TABLE CITY AUTH
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.         7925       8.         7927       7.         7928       5.         7929       8.	5.7 5.6 3.8 5.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Forked Forked Forked Single Single Single Single	Remove	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3       8292     7.4	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation Total Mitigation Total Mitigation  NOTE: CONTRACT HAS BEEN REMOVAL DISTURBA	TREE MITIGAT Required Inches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental So" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B	REMOVE ANY TO THE APPLICATION THE APPLICATION AL ACTIVITIES.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.         7925       8.         7926       7.         7928       5.         7929       8.         7930       7.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 7.6 7.4 5.8 3.7 7.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Forked Forked Single Single Single Single Single	Remove	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3       8293     12.4	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation Total Mitigation Total Mitigation Total Mitigation HAS BEEN REMOVAL DISTURBA AUTHORIZ	TREE MITIGAT Required Inches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE	REMOVE ANY TO THE APPLICATION THE APPLICATION AL ACTIVITIES. TERMOVAL, NO	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.         7925       8.         7927       7.         7928       5.         7929       8.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 7.6 7.4 5.8 3.7 7.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Forked Forked Forked Single Single Single Single	Remove	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3       8292     7.4       8293     12.4       8294     8.3	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation Total Mitigation Total Mitigation Total Mitigation ANOTE: CONTRACT HAS BEEN REMOVAL DISTURBA AUTHORIZ SUCH ACT	TREE MITIGAT Required Inches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 150" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE	REMOVE ANY TO ALL ACTIVITIES. TERMOVAL, NO OF THESE PLAN	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.         7925       8.         7926       7.         7928       5.         7929       8.         7930       7.         7931       4.         7932       7.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 7.6 7.4 5.8 3.7 7.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Forked Forked Forked Single Single Single Single Single Single Single	Remove		8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3       8293     12.4	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation Total Mitigation Total Mitigation Total Mitigation  NOTE: CONTRACT HAS BEEN REMOVAL DISTURBA AUTHORIZ SUCH ACT OF THE TR	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.         7925       8.         7927       7.         7928       5.         7929       8.         7930       7.         7931       4.         7932       7.         7933       9.         7934       14.	5.7 5.6 8.8 6.7 6.3 4.2 8.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 4.2 7.1 9.8 4.2	eastern redcedar	Juniperus virginiana Sideroxylon lanuginosum Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove		8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3       8292     7.4       8293     12.4       8294     8.3       8295     12.2	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.         7925       8.         7927       7.         7928       5.         7929       8.         7930       7.         7931       4.         7932       7.         7933       9.         7934       14.         7935       8.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 7.6 7.4 5.8 8.7 7.4 4.2 7.1 9.8 4.2 8.9	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove		8274       17.2         8275       10.2         8276       13.8         8277       7.8         8278       5.9         8279       5.1         8280       4.2         8281       5.1         8282       4.3         8283       4.7         8284       12.1         8285       5.2         8286       6.2         8287       12.6         8288       6.7         8289       4.9         8290       16.8         8291       11.3         8292       7.4         8293       12.4         8294       8.3         8295       12.2         8296       7.9         8297       4.6         8298       7.1	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation Total Mitigation Total Mitigation Total Mitigation  NOTE: CONTRACT HAS BEEN REMOVAL DISTURBA AUTHORIZ SUCH ACT OF THE TR	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7927         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.	5.7 5.6 3.8 5.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 4.2 7.1 9.8 4.2 3.9 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove		8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3       8292     7.4       8293     12.4       8294     8.3       8295     12.2       8296     7.9       8297     4.6       8298     7.1       8299     8.8	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.         7925       8.         7926       7.         7928       5.         7929       8.         7930       7.         7931       4.         7932       7.         7933       9.         7934       14.         7935       8.         7936       16.         7937       7.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 7.6 7.4 5.8 8.7 7.4 4.2 7.1 9.8 4.2 8.9	eastern redcedar	Juniperus virginiana Celtis laevigata	Healthy (5)	Single Single Multi Forked Single Single Multi Single Multi Single Single Single Single Single Single Single Single Forked Forked Forked Single	Remove	0 4 4 4 4	8274       17.2         8275       10.2         8276       13.8         8277       7.8         8278       5.9         8279       5.1         8280       4.2         8281       5.1         8282       4.3         8283       4.7         8284       12.1         8285       5.2         8286       6.2         8287       12.6         8288       6.7         8289       4.9         8290       16.8         8291       11.3         8292       7.4         8293       12.4         8294       8.3         8295       12.2         8296       7.9         8297       4.6         8298       7.1         8299       8.8         8300       5.2	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.	5.7 6.6 8.8 6.7 6.3 4.2 8.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 4.2 7.1 9.8 4.2 3.9 6.8 7.5 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3       8292     7.4       8293     12.4       8294     8.3       8295     12.2       8296     7.9       8297     4.6       8298     7.1       8299     8.8	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
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7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7927         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7941         8.           7942         6.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 3.9 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 0 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7941         8.           7942         6.           7943         7.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 4.2 7.1 9.8 4.2 3.7 7.4 4.2 7.1 9.8 4.2 5.8 6.8 6.7 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 0 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7941         8.           7942         6.           7943         7.           7943         7.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 7.1 9.8 4.2 6.8 6.7 6.8 6.8 6.7 7.4 6.8 6.8 6.7 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 0 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7941         8.           7942         6.           7943         7.           7945         6.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 7.1 9.8 4.2 6.8 6.7 6.8 6.8 6.7 7.4 6.8 6.8 6.7 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 0 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7927         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7941         8.           7942         6.           7943         7.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 3.9 6.8 6.7 6.8 6.7 6.8 6.8 6.7 7.4 6.8 6.8 6.7 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 0 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8306         14.0           8307         9.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7943         7.           7943         7.           7945         6.           7946         8.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 3.9 6.8 7.5 5.8 6.7 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.5 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.5 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 0 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7927         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7941         8.           7942         6.           7943         7.           7946         8.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 7.1 9.8 4.2 7.1 9.8 6.8 6.7 6.8 6.8 6.7 7.4 6.8 6.8 6.7 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7943         7.           7945         6.           7946         8.           7947         6.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 7.1 9.8 4.2 7.1 9.8 6.8 6.7 6.8 6.8 6.7 7.4 6.8 6.8 6.7 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 0 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A  BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH ED PERMITS A</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A  BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH ED PERMITS A
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7941         8.           7942         6.           7943         7.           7948         6.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 7.1 9.8 4.2 7.1 9.8 4.2 7.5 5.8 6.8 7.3 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7943         7.           7945         6.           7947         6.           7948         6.           794	5.7 5.7 6.6 8.8 6.7 6.3 4.2 8.5 7.3 5.9 6.8 0.2 2.5 3.5 8.7 7.6 7.4 4.2 7.1 9.8 4.2 3.5 5.8 6.8 7.4 4.2 7.4 4.2 7.1 9.8 6.8 6.8 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A  BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH ED PERMITS A</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A  BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH ED PERMITS A
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7943         7.           7945         6.           7946         8.           7947         6.           794	5.7 5.7 6.6 8.8 6.7 6.3 4.2 8.5 7.3 5.9 6.8 0.2 2.5 3.5 8.7 7.6 7.4 4.2 7.1 9.8 4.2 3.5 5.8 6.8 7.4 4.2 7.4 4.2 7.1 9.8 6.8 6.8 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A  BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH ED PERMITS A</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A  BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH ED PERMITS A
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7943         7.           7945         6.           7946         8.           7947         6.           794	5.7 5.7 6.6 8.8 6.7 6.3 4.2 8.5 7.3 5.9 6.8 0.2 2.5 3.5 8.7 7.6 7.4 5.8 8.7 7.4 4.2 7.1 9.8 4.2 8.9 6.8 6.7 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.8 6.7 7.4 6.8 6.8 6.7 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single   Single   Multi   Forked   Single   Multi   Single   Sin	Remove	0 4 4 4 4 0 0 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A TABLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY CESS. IT IS THE ED PERMITS A TABLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY CESS. IT IS THE ED PERMITS A TABLE CITY AUTH AND APPROVE AND A THE CITY CESS. IT IS THE ED PERMITS A TABLE CORN.</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A TABLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY CESS. IT IS THE ED PERMITS A TABLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY CESS. IT IS THE ED PERMITS A TABLE CITY AUTH AND APPROVE AND A THE CITY CESS. IT IS THE ED PERMITS A TABLE CORN.
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7941         8.           7942         6.           7943         7.           7946         8.           7947         6.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 7.1 9.8 4.2 7.1 9.8 6.8 6.7 6.8 6.7 7.4 6.8 6.8 7.4 6.8 6.7 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single   Single   Multi   Forked   Single   Si	Remove	0 4 4 4 4 0 0 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8309         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Juniperus virginiana Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CORN N. City</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Juniperus virginiana Juniperus virginiana Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CORN N. City
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7943         7.           7945         6.           7947         6.           7948         6.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 3.9 6.8 7.5 5.8 6.7 6.8 6.7 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.5 6.8 6.8 7.5 6.8 6.8 7.5 6.8 6.8 7.5 6.8 6.8 6.8 7.5 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 0 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A TOUR AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CUTY CUTY CUTY CUTY CUTY</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A TOUR AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CUTY CUTY CUTY CUTY CUTY
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7943         7.           7948         6.           7949         8.           7950         11.           82	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 7.1 9.8 4.2 7.1 9.8 6.8 6.7 6.8 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single   Single   Multi   Forked   Single   Si	Remove	0 4 4 4 4 0 0 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CORN N. City</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CORN N. City
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7927         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7943         7.           7945         6.           7947         6.           794	5.7 5.7 6.6 8.8 6.7 6.3 4.2 8.5 7.3 5.9 6.8 7.2 2.5 3.5 8.7 7.6 7.4 4.2 7.1 9.8 4.2 3.7 7.4 4.2 7.1 9.8 6.8 6.7 7.4 6.8 6.8 6.7 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 0 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A TOUR AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CUTY CUTY CUTY CUTY CUTY</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A TOUR AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CUTY CUTY CUTY CUTY CUTY
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7927         7.           7928         5.           7929         8.           7930         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7943         7.           7945         6.           7947         6.           7948         6.           7949         8.           795	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 7.1 9.8 4.2 7.1 9.8 4.2 7.1 9.8 6.8 6.7 6.8 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 6.8 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single	Remove	0 4 4 4 4 0 0 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A TOUR AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CUTY CUTY CUTY CUTY CUTY</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A TOUR AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CUTY CUTY CUTY CUTY CUTY
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7927         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7941         8.           7945         6.           7946         8.           7947         6.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 3.9 6.8 6.7 6.8 6.7 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.7 6.8 6.7 6.8 6.7 6.8 6.7 6.8 6.7 6.8 6.8 6.7 6.8 6.7 6.8 6.7 6.8 6.8 6.7 6.8 6.8 6.7 6.8 6.8 6.7 6.8 6.7 6.8 6.8 6.7 6.7 6.8 6.7 6.7 6.8 6.7 6.7 6.8 6.7 6.7 6.8 6.7 6.7 6.8 6.7 6.7 6.8 6.7 6.7 6.8 6.7 6.7 6.8 6.7 6.7 6.7 6.8 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single	Remove	0 4 4 4 4 0 0 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH ED PERMITS A  Architect: Carroll Architects</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH ED PERMITS A  Architect: Carroll Architects
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7920         7.           7928         5.           7929         8.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7947         6.           7948         6.           7949         8.           7940         6.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 7.1 9.8 4.2 7.1 9.8 6.8 7.5 6.8 6.7 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single	Remove	0 4 4 4 4 0 0 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Si</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY CESS. IT IS THE ED PERMITS A Architect:</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single Si	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY CESS. IT IS THE ED PERMITS A Architect:

			, , ,				<u> </u>
8358	7.6	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
8359	6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
8360	6.0	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
8361	10.8	hackberry	Celtis laevigata	Healthy (5)	Forked	Remove	0
8362	4.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
8363	7.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
8364	4.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
8365	5.6	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
8366	6.0	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
8367	7.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
8368	6.5	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
8369	7.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
8370	4.8	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0
8371	7.0	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
8372	6.1	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0
8373	7.3	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0
8374	12.2	hackberry	Celtis laevigata	Declining (1)	Single	Remove	0
8375	18.6	hackberry	Celtis laevigata	Healthy (5)	Forked	Remove	0
8376	9.9	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
8377	5.9	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
8378	3.6	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.6
8379	3.1	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.1
8380	3.1	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.1
8381	3.9	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.9
8382	4.2	live oak	Quercus virginiana	Healthy (5)	Single	Remove	4.2
8383	3.3	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.3
8384	4.4	live oak	Quercus virginiana	Healthy (5)	Single	Remove	4.4
8385	2.6	live oak	Quercus virginiana	Healthy (5)	Single	Remove	2.6
8386	3.1	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.1
8387	2.9	live oak	Quercus virginiana	Healthy (5)	Single	Remove	2.9
8388	3.8	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.8
8389	4.2	live oak	Quercus virginiana	Healthy (5)	Single	Remove	4.2
8390	3.9	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.9
8391	4.1	live oak	Quercus virginiana	Healthy (5)	Single	Remove	4.1
8392	6.2	live oak	Quercus virginiana	Healthy (5)	Forked	Remove	6.2
8393	4.1	live oak	Quercus virginiana	Healthy (5)	Single	Remove	4.1
8394	4.3	live oak	Quercus virginiana	Healthy (5)	Single	Remove	4.3
8395	5.1	live oak	Quercus virginiana	Healthy (5)	Forked	Remove	5.1
8396	11.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4
8397	14.6	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4
8398	7.6	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
8399	8.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
8400	7.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
0400	7.4	eastern reduction	· · ·	401-8450 were no	_	I CITIO VC	7
8451	6.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
8452	6.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
8453	6.5	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
8454	7.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
8455	6.2	eastern redcedar	Juniperus virginiana		Single	Remove	4
8456	8.3	eastern redcedar	Juniperus virginiana  Juniperus virginiana	Healthy (5) Healthy (5)	Forked	Remove	4
	15.3	eastern redcedar	Juniperus virginiana  Juniperus virginiana			Remove	4
8457 8458	11.3			Healthy (5)	Single	Remove	4
		eastern redeedar	Juniperus virginiana	Healthy (5)	Single		
8459	9.6	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4
8460	9.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
Kimley-	Horn red	itag series: 1551-1601,	, 7901-7950, 8201-8400,	and 8451-8460. Tro	ees measuring 4-		
		TOET MITICATI	IONI				

Remove

TREE MITIGATION								
otal Mitigation Required		883.5						
otal Provided Inches 26-Canopy								
rees at 4" Cal. <u>104"</u> , 37 Ornamental		312						
rees at 4" Cal. 148", 20 Ornamental		312						
rees at 3" Cal. <u><b>60"</b></u>								
otal Mitigation Needed		571.5						
otal Mitigation Cost	\$	114,300.00						

ONTRACTOR SHALL NOT REMOVE ANY TREE UNTIL A TREE REMOVAL PERMIT IAS BEEN OBTAINED FROM THE APPLICABLE CITY AUTHORITY. A FORMAL TREE EMOVAL PERMIT MUST BE REQUESTED AND APPROVED PRIOR TO ANY TREE ISTURBANCE OR REMOVAL ACTIVITIES. THESE PLANS DO CONSTITUTE AUTHORIZATION FOR TREE REMOVAL, NOR DO THEY IMPLY APPROVAL FOR SUCH ACTION. APPROVAL OF THESE PLANS BY THE CITY IS REQUIRED AS PART F THE TREE REMOVAL PERMITTING PROCESS. IT IS THE CONTRACTOR'S ESPONSIBILITY TO ENSURE ALL REQUIRED PERMITS ARE SECURED PRIOR TO OMMENCING WORK.

> SITE PLAN FOR FUEL CITY - ROCKWALL LOT 2, BLOCK A CORNERSTONE COMMUNITY CHURCH

4.34 ACRES

N. BUTLER SURVEY ABSTRACT NO. 20 City of Rockwall, Rockwall County, Texas Current Zoning: C (Commerical District) Proposed Land Use: Gas Station/ Car Wash Submitted: May 16th, 2025

<u>Architect:</u>	<u>De</u>
Carroll Architects	Fuel
750 E. Interstate 30, Ste. 110	801
Rockwall, Texas 75087	Dallo
Contact: Glennon Langston	Cont
Phone: 972-732-6085	Phor

ntact: Joseph Bickham hone: 469-203-0159

Developer:

Juel City

O1 S. Riverfront Boulevard,00

allas, Texas 75207

Suite 1100

Suite 1100

Suite 1100

Suite 1100

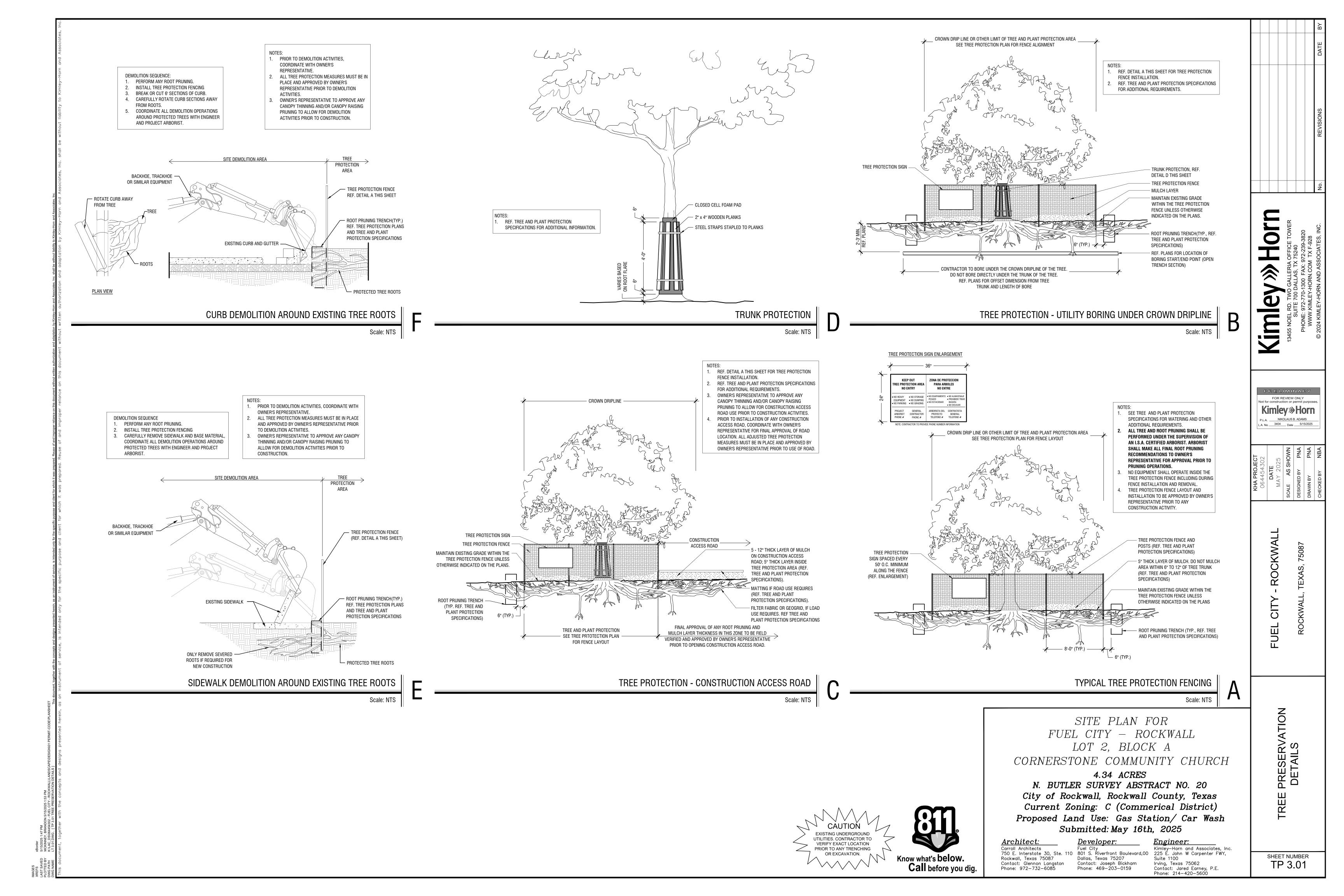
Suite 1100 Irving, Texas 75062 Contact: Jared Earney, P.E. Phone: 214—420—5600

FOR REVIEW ONLY
Not for construction or permit purpose:

Kimley»Horn

P.L.A. NIKOLAUS B. ADAMS
L.A. No. 3404 Date 5/15/2025

SHEET NUMBER TP 1.02



SHALL CONSIST OF SPECIFICATIONS AND GENERAL CONDITIONS AND THE DRAWINGS. THE INTENT OF THESE DOCUMENTS IS TO INCLUDE ALL LABOR, MATERIALS, AND SERVICES NECESSARY FOR THE PROPER EXECUTION OF THE WORK. THE DOCUMENTS ARE TO BE CONSIDERED AS ONE. WHATEVER IS CALLED FOR BY ANY PARTS SHALL BE AS BINDING AS IF

IT IS THE INTENT OF THIS SECTION THAT THE REQUIREMENTS APPLY TO ALL OTHER SECTIONS OF THE PROJECT SPECIFICATION SUCH THAT ANY SUBCONTRACTOR MUST COMPLY WITH THE RESTRICTIONS ON WORK WITHIN DESIGNATED

#### 1.3 RELATED DOCUMENTS AND REFERENCES

DIVISION I SPECIFICATIONS APPLY TO WORK OF THIS SECTION. 2. IRRIGATION SPECIFICATIONS

3. PLANTING SPECIFICATIONS

REFERENCES: THE FOLLOWING SPECIFICATIONS AND STANDARDS OF THE ORGANIZATIONS AND DOCUMENTS LISTED IN 2.2 MATTING SPECIFICATION SECTION, THE REQUIREMENTS OF THIS SPECIFICATION SHALL PREVAIL. IN THE EVENT THAT THE REQUIREMENTS OF ANY OF THE FOLLOWING REFERENCED STANDARDS AND SPECIFICATIONS CONFLICT WITH EACH OTHER, 2.3 GEOGRID

THE MORE STRINGENT REQUIREMENT SHALL PREVAIL. 1. ANSI A300 - STANDARD PRACTICES FOR TREE, SHRUB AND OTHER WOODY PLANT MAINTENANCE (9 PARTS), MOST

2. INTERNATIONAL SOCIETY OF ARBORICULTURE BEST MANAGEMENT PRACTICES (ISA BMP) MOST CURRENT EDITIONS.

a. TREE PRUNING b. SOIL MANAGEMENT FOR URBAN TREES

c. Tree Support Systems: Cabling, Bracing, Guying, and Propping

d. TREE LIGHTING PROTECTION SYSTEMS e. MANAGING TREES DURING CONSTRUCTION

f. TREE PLANTING

g. TREE RISK ASSESSMENT

h. TREE INVENTORY

j. TREE INJECTIONS

k. Tree and shrub fertilization

INTEGRATED PEST MANAGEMENT

3. PRUNING PRACTICES SHALL CONFORM WITH RECOMMENDATIONS "STRUCTURAL PRUNING: A GUIDE FOR THE GREEN INDUSTRY"; PUBLISHED BY URBAN TREE FOUNDATION, VISALIA, CALIFORNIA; MOST CURRENT EDITION. 4. GLOSSARY OF ARBORICULTURAL TERMS, INTERNATIONAL SOCIETY OF ARBORICULTURE, CHAMPAIGN IL, MOST CURRENT EDITION.

ALL SCALED DIMENSIONS ON THE DRAWINGS ARE APPROXIMATE. BEFORE PROCEEDING WITH ANY WORK, THE CONTRACTOR SHALL CAREFULLY CHECK AND VERIFY ALL DIMENSIONS AND QUANTITIES, AND SHALL IMMEDIATELY INFORM 3.3 TREE AND PLANT PROTECTION AREA: THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES BETWEEN THE INFORMATION ON THE DRAWINGS AND THE ACTUAL CONDITIONS, REFRAINING FROM DOING ANY WORK IN SAID AREAS UNTIL GIVEN APPROVAL TO DO SO BY THE OWNER'S REPRESENTATIVE.

THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS RELATED TO THIS SECTION OF THE WORK UNLESS PREVIOUSLY EXCLUDED UNDER PROVISION OF THE CONTRACT OR GENERAL CONDITIONS. THE CONTRACTOR SHALL SPECIFIED. IF THE CONTRACTOR OBSERVES THAT A CONFLICT EXISTS BETWEEN PERMIT REQUIREMENTS AND THE WORK OUTLINED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER'S REPRESENTATIVE IN WRITING INCLUDING A DESCRIPTION OF ANY NECESSARY CHANGES AND CHANGES TO THE CONTRACT PRICE RESULTING FROM CHANGES IN THE WORK.

WHEREVER REFERENCES ARE MADE TO STANDARDS OR CODES IN ACCORDANCE WITH WHICH WORK IS TO BE PERFORMED OR TESTED. THE EDITION OR REVISION OF THE STANDARDS AND CODES CURRENT ON THE EFFECTIVE DATE OF THIS CONTRACT SHALL APPLY, UNLESS OTHERWISE EXPRESSLY SET FORTH.

IN CASE OF CONFLICT AMONG ANY REFERENCED STANDARDS OR CODES OR BETWEEN ANY REFERENCED STANDARDS AND CODES AND THE SPECIFICATIONS, THE MORE RESTRICTIVE STANDARD OR CODE SHALL APPLY OR OWNER'S REPRESENTATIVE SHALL DETERMINE WHICH SHALL GOVERN.

1.6 PROTECTION OF WORK, PROPERTY AND PERSON THE CONTRACTOR SHALL PROTECT THE WORK, ADJACENT PROPERTY, AND THE PUBLIC, AND SHALL BE RESPONSIBLE FOR 3.5 SOIL MOISTURE

ANY DAMAGES OR INJURY DUE TO HIS/HER ACTIONS 1.7 CHANGES IN THE WORK THE OWNER'S REPRESENTATIVE MAY ORDER CHANGES IN THE WORK. AND THE CONTRACT SUM SHOULD BE ADJUSTED ACCORDINGLY. ALL SUCH ORDERS AND ADJUSTMENTS PLUS CLAIMS BY THE CONTRACTOR FOR EXTRA COMPENSATION

MUST BE MADE AND APPROVED IN WRITING BEFORE EXECUTING THE WORK INVOLVED.

THE CONTRACTOR SHALL RE-EXECUTE ANY WORK THAT FAILS TO CONFORM TO THE REQUIREMENTS OF THE CONTRACT AND SHALL REMEDY DEFECTS DUE TO FAULTY MATERIALS OR WORKMANSHIP UPON WRITTEN NOTICE FROM THE OWNER'S REPRESENTATIVE AT THE SOONEST POSSIBLE TIME THAT CAN BE COORDINATED WITH OTHER WORK AND SEASONAL

1.9 DEFINITIONS

ALL TERMS IN THIS SPECIFICATION SHALL BE AS DEFINED IN THE "GLOSSARY OF ARBORICULTURAL TERMS" OR AS

MODIFIED BELOW. 1. OWNER'S REPRESENTATIVE: THE PERSON APPOINTED BY THE OWNER TO REPRESENT THEIR INTEREST IN THE REVIEW AND APPROVAL OF THE WORK AND TO SERVE AS THE CONTRACTING AUTHORITY WITH THE CONTRACTOR. THE OWNER'S REPRESENTATIVE MAY APPOINT OTHER PERSONS TO REVIEW AND APPROVE ANY ASPECTS OF THE WORK. 2. REASONABLE AND REASONABLY: WHEN USED IN THIS SPECIFICATION IS INTENDED TO MEAN THAT THE CONDITIONS

CITED WILL NOT AFFECT THE ESTABLISHMENT OR LONG TERM STABILITY, HEALTH OR GROWTH OF THE PLANT. THIS SPECIFICATION RECOGNIZES THAT PLANTS ARE NOT FREE OF DEFECTS, AND THAT PLANT CONDITIONS CHANGE WITH TIME. THIS SPECIFICATION ALSO RECOGNIZES THAT SOME DECISIONS CANNOT BE TOTALLY BASED ON MEASURED FINDINGS AND THAT PROFESSION JUDGMENT IS REQUIRED. IN CASES OF DIFFERING OPINION, THE OWNER'S

REPRESENTATIVE EXPERT SHALL DETERMINE WHEN CONDITIONS WITHIN THE PLANT ARE JUDGED AS REASONABLE.

3. SHRUB: WOODY PLANTS WITH MATURE HEIGHT APPROXIMATELY LESS THAN 25 FEET. 4. TREE AND PLANT PROTECTION AREA: AREA SURROUNDING INDIVIDUAL TREES, GROUPS OF TREES, SHRUBS, OR OTHER THE OWNER'S REPRESENTATIVE. ROOT PRUNING SHALL BE IN CONFORMANCE WITH ANSI A300 VEGETATION TO BE PROTECTED DURING CONSTRUCTION, AND DEFINED BY A CIRCLE CENTERED ON THE TRUNK WITH EDITION.

REPRESENTATIVE OR THE CONSTRUCTION DRAWINGS 5. TREE: SINGLE AND MULTI-STEMMED PLANTS, INCLUDING PALMS WITH ANTICIPATED MATURE HEIGHT APPROXIMATELY GREATER THAN 25 FEET OR ANY PLANT IDENTIFIED ON THE PLANS AS A TREE.

EACH TREE WITH A RADIUS EQUAL TO THE CLOWN DRIPLINE UNLESS OTHERWISE INDICATED BY THE OWNER'S

1.10 SUBMITTALS ARBORIST REPORT

> A CONSULTING ARBORIST WHO IS A REGISTERED CONSULTING ARBORIST® (RCA) WITH AMERICAN SOCIETY OF CONSULTING ARBORISTS OR AN ISA BOARD CERTIFIED ARBORIST. WHICH DETAILS THE FOLLOWING INFORMATION FOR ALL TREES TO REMAIN WITHIN THE AREA DESIGNATED ON THE DRAWINGS AS THE TREE AND PLANT PROTECTION AREA. THE REPORT SHALL INCLUDE THE FOLLOWING

a. A DESCRIPTION OF EACH TREE TO REMAIN INDICATING ITS GENUS AND SPECIES, CONDITION INCLUDING ANY VISIBLI DAMAGE TO THE ROOT SYSTEM OR SOIL WITHIN THE ROOT ZONE. TREE DIAMETER AT BREAST HEIGHT (DBH) AND APPROXIMATE HEIGHT AND CANOPY SPREAD, SIZE AND ANY VISIBLE DISEASE, INSECT INFESTATIONS AND OR BRANCH AND TRUNK STRUCTURAL DEFICIENCIES.

b. THE REPORT SHALL NOTE ALL TREES OR PARTS OF TREES, WHICH ARE CONSIDERED A HAZARD OR SIGNIFICANT OR EXTREME RISK LEVEL. INCLUDE THE INTERNATIONAL SOCIETY OF ARBORICULTURE HAZARD EVALUATION SHEET FOR B. EACH TREE, WHICH MAY REASONABLY BE IDENTIFIED AS A POTENTIAL HAZARD TREE.

c. RECOMMENDATIONS AS TO TREATMENT OF ALL INSECT, DISEASE AND STRUCTURAL PROBLEMS ENCOUNTERED. d. RECOMMENDATIONS FOR FERTILIZER TREATMENTS. IF ANY. e. A PLAN OF THE SITE SHOWING THE LOCATION OF ALL TREES INCLUDED IN THE REPORT.

PRODUCT DATA

1. SUBMIT MANUFACTURER PRODUCT DATA AND LITERATURE DESCRIBING ALL PRODUCTS REQUIRED BY THIS SECTION TO THE OWNER'S REPRESENTATIVE FOR APPROVAL. PROVIDE SUBMITTAL BEFORE THE START OF ANY WORK AT THE

QUALIFICATIONS SUBMITTAL EXPERIENCE OF THE CONSULTING ARBORIST, PROOF OF EITHER THE REGISTERED CONSULTING ARBORIST® (RCA)

WITH AMERICAN SOCIETY OF CONSULTING ARBORISTS OR AN ISA BOARD CERTIFIED MASTER ARBORIST, ANY ISA CERTIED ARBORISTS, AND ANY REQUIRED HERBICIDE/PESTICIDE LICENSE TO THE OWNER'S REPRESENTATIVE, FOR REVIEW PRIOR TO THE START OF WORK.

1.11 OBSERVATION OF THE WORK A. THE OWNER'S REPRESENTATIVE MAY INSPECT THE WORK AT ANY TIME.

1.12 PRF-CONSTRUCTION CONFERENCE SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE OWNER'S REPRESENTATIVE AT LEAST SEVEN (7) DAYS BEFORE BEGINNING WORK TO REVIEW ANY QUESTIONS THE CONTRACTOR MAY HAVE REGARDING THE WORK, ADMINISTRATIVE PROCEDURES DURING CONSTRUCTION AND PROJECT WORK SCHEDULE.

1. THE FOLLOWING CONTRACTORS SHALL ATTEND THE PRECONSTRUCTION CONFERENCE:

 a. GENERAL CONTRACTOR. b. CONSULTING ARBORIST/CERTIFIED ARBORIST

c. TREE AND PLANT PROTECTION SUB-CONTRACTOR.

d. EARTHWORK SUB-CONTRACTOR. e. ALL SITE UTILITY SUB-CONTRACTORS THAT MAY BE REQUIRED TO DIG OR TRENCH INTO THE SOIL.

g. IRRIGATION SUB-CONTRACTOR. h. PRIOR TO THIS MEETING, MARK ALL TREES AND PLANTS TO REMAIN AND OR BE REMOVED AS DESCRIBED IN THIS

f. LANDSCAPE SUB-CONTRACTOR.

SPECIFICATION FOR REVIEW AND APPROVAL BY THE OWNER'S REPRESENTATIVE. 1.13 QUALITY ASSURANCE

A. CONTRACTOR QUALIFICATIONS:

1. ALL PRUNING, BRANCH TIE BACK, TREE REMOVAL, ROOT PRUNING, AND FERTILIZING REQUIRED BY THIS SECTION SHALL BE PERFORMED BY OR UNDER THE DIRECT SUPERVISION OF ISA CERTIFIED ARBORIST. SUBMIT AFOREMENTIONED INDIVIDUAL'S QUALIFICATIONS FOR APPROVAL BY THE OWNER'S REPRESENTATIVE

2. ALL APPLICATIONS OF PESTICIDE OR HERBICIDE SHALL BE PERFORMED BY A PERSON MAINTAINING A CURRENT STATE LICENSE TO APPLY CHEMICAL PESTICIDES VALID IN THE JURISDICTION OF THE PROJECT. SUBMIT COPIES OF ALL REQUIRED STATE LICENSING CERTIFICATES INCLUDING APPLICABLE CHEMICAL APPLICATOR LICENSES.

PART 2 PRODUCTS

1. DRAWINGS AND GENERAL PROVISIONS OF CONTRACT INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND A. HEAVY-DUTY PLASTIC LAMINATED OR CORRUGATED PLASTIC SIGNS, 24 INCHES X 36 INCHES, WHITE COLORED BACKGROUND WITH BLACK 2 INCH HIGH OR LARGER LETTERS BLOCK LETTERS. THE SIGNS SHALL BE STAKED ADJACENT TO EXISTING TREES. THE TREE PROTECTION SIGN SHALL READ "KEEP OUT - TREE AND PLANT PROTECTION AREA" AND OTHER PROJECT INFORMATION AS SHOWN ON DRAWINGS.

THIS PARAGRAPH FORM A PART OF THE SPECIFICATION TO THE EXTENT REQUIRED BY THE REFERENCES THERETO. IN THE A. MATTING FOR VEHICLE AND WORK PROTECTION SHALL BE HEAVY DUTY MATTING DESIGNED FOR VEHICLE LOADING OVER EVENT THAT THE REQUIREMENTS OF THE FOLLOWING REFERENCED STANDARDS AND SPECIFICATION CONFLICT WITH THIS

TREE ROOTS, ALTURNAMATS AS MANUFACTURED BY ALTURNAMATS, INC. FRANKLIN, PA 16323 OR APPROVED EQUAL. B. SUBMIT SUPPLIERS PRODUCT DATA THAT PRODUCT MEETS THE REQUIREMENTS FOR APPROVAL.

GEOGRID SHALL BE WOVEN POLYESTER FABRIC WITH PVC COATING, UNI-AXIAL OR BIAXIAL GEOGRID, INERT TO BIOLOGICAL DEGRADATION, RESISTANT TO NATURALLY OCCURRING CHEMICALS, ALKALIS, ACIDS.

1. GEOGRID SHALL BE MIRAGRID 2XT AS MANUFACTURED BY TEN CATE NICOLON, NORCROSS, GA. HTTP://WWW.TENCATE.COM OR APPROVED EQUAL.

B. SUBMIT SUPPLIERS PRODUCT DATA THAT PRODUCT MEETS THE REQUIREMENTS FOR APPROVAL.

FILTER FABRIC SHALL BE NONWOVEN POLYPROPYLENE FIBERS, INERT TO BIOLOGICAL DEGRADATION AND RESISTANT OF NATURALLY OCCURRING CHEMICALS, ALKALIS AND ACIDS.

1. MIRAFI 135 N AS MANUFACTURED BY TEN CATE NICOLON, NORCROSS, GA. <u>HTTP://www.tencate.com</u> or approved

B. SUBMIT SUPPLIERS PRODUCT DATA THAT PRODUCT MEETS THE REQUIREMENTS FOR APPROVAL. PART 3 EXECUTION

A. EXAMINE THE SITE, TREE, PLANT AND SOIL CONDITIONS. NOTIFY THE OWNER'S REPRESENTATIVE IN WRITING OF ANY CONDITIONS THAT MAY IMPACT THE SUCCESSFUL TREE AND PLANT PROTECTIONS THAT IS THE INTENT OF THIS SECTION. 3.2 COORDINATION WITH PROJECT WORK

THE CONTRACTOR SHALL COORDINATE WITH ALL OTHER WORK THAT MAY IMPACT THE COMPLETION OF THE WORK. PRIOR TO THE START OF WORK, PREPARE A DETAILED SCHEDULE OF THE WORK FOR COORDINATION WITH OTHER TRADES COORDINATE THE RELOCATION OF ANY IRRIGATION LINES CURRENTLY PRESENT ON THE IRRIGATION PLAN, HEADS OR THE CONDUITS OF OTHER UTILITY LINES OR STRUCTURES THAT ARE IN CONFLICT WITH TREE LOCATIONS. TREE ROOTS SHALL NOT BE ALTERED TO FIT AROUND LINES. NOTIFY THE OWNER'S REPRESENTATIVE OF ANY CONFLICTS ENCOUNTERED.

A. THE TREE AND PLANT PROTECTION AREA IS DEFINED AS ALL AREAS INDICATED ON THE TREE PROTECTION PLAN. WHERE NO LIMIT OF THE TREE AND PLANT PROTECTION AREA IS DEFINED ON THE DRAWINGS, THE LIMIT SHALL BE THE DRIP LINE (OUTER EDGE OF THE BRANCH CROWN) OF EACH TREE.

A. PRIOR TO THE PRECONSTRUCTION MEETING, LAYOUT THE LIMITS OF THE TREE AND PLANT PROTECTION AREA AND THEN 3.10 TREE REMOVAL: ALIGNMENTS OF REQUIRED TREE AND PLANT PROTECTION FENCING AND ROOT PRUNING. OBTAIN THE OWNER'S

FLAG ALL TREES AND LARGE SHRUBS TO BE REMOVED BY WRAPPING ORANGE PLASTIC RIBBON AROUND THE TRUNK AND OBTAIN THE OWNER'S REPRESENTATIVE'S APPROVAL OF ALL TREES AND LARGE SHRUBS TO BE REMOVED PRIOR TO THE START OF TREE AND SHRUB REMOVAL. AFTER APPROVAL. MARK ALL TREES AND SHRUBS TO BE REMOVED WITH ORANGE PAINT IN A BAND COMPLETELY AROUND THE BASE OF THE TREE OR LARGE SHRUB 4.5 FEET ABOVE THE GROUND. FLAG ALL TREES AND LARGE SHRUBS TO REMAIN WITH WHITE PLASTIC RIBBON TIED COMPLETELY AROUND THE TRUNK

OR EACH TREE AND ON A PROMINENT BRANCH FOR EACH SHRUB. OBTAIN THE OWNER'S REPRESENTATIVE'S APPROVAL OF ALL TREES AND SHRUBS TO REMAIN PRIOR TO THE START OF TREE AND SHRUB REMOVAL. PRIOR TO ANY CONSTRUCTION ACTIVITY AT THE SITE INCLUDING UTILITY WORK, GRADING, STORAGE OF MATERIALS, OR INSTALLATION OF TEMPORARY CONSTRUCTION FACILITIES, INSTALL ALL TREE PROTECTION FENCING, FILTER FABRIC, SILT FENCE, TREE PROTECTION SIGNS, GEOGRID, MULCH AND OR WOOD CHIPS AS SHOWN ON THE DRAWINGS.

VOLUMETRIC SOIL MOISTURE LEVEL. IN ALL SOILS WITHIN THE TREE AND PLANT PROTECTION AREA SHALL BE MAINTAINED ABOVE PERMANENT WILT POINT TO A DEPTH OF AT LEAST 8 INCHES. NO SOIL WORK OR OTHER ACTIVITY SHALL BE PERMITTED WITHIN THE TREE AND PLANT PROTECTION AREA WHEN THE VOLUMETRIC SOIL MOISTURE IS ABOVE FIELD CAPACITY. THE PERMANENT WILT POINT AND FIFLD CAPACITY FOR EACH TYPE OF SOIL TEXTURE SHALL BE DEFINED AS FOLLOWS (NUMBERS INDICATE PERCENTAGE VOLUMETRIC SOIL MOISTURE):

SOIL TYPE PERMANENT WILT POINT V/V FIELD CAPACITY V/V SAND, LOAMY SAND, SANDY LOAM 12 - 18% 27 - 36% LOAM, SANDY CLAY, SANDY CLAY LOAM 14 - 25% CLAY LOAM, SILT LOAM 11 - 22% 31 - 36% SILTY CLAY, SILTY CLAY LOAM 22 - 27% 38 - 41%

VOLUMETRIC SOIL MOISTURE SHALL BE MEASURED WITH A DIGITAL, ELECTRIC CONDUCTIVITY METER. THE METER SHALL BE THE DIGITAL SOIL MOISTURE METER, DSMM500 BY GENERAL SPECIALTY TOOLS AND INSTRUMENTS, OR APPROVED

THE CONTRACTOR SHALL CONFIRM THE SOIL MOISTURE LEVELS WITH A MOISTURE METER. IF THE MOISTURE IS TOO HIGH, SUSPEND OPERATIONS UNTIL THE SOIL MOISTURE DRAINS TO BELOW FIELD CAPACITY.

FINAL RECOMMENDATIONS ON ANY ROOT PRUNING REQUIREMENTS AND PROCEDURES ARE TO BE DETERMINED THE PROJECT ARBORIST AND PROVIDED IN WRITING TO THE OWNER'S REPRESENTATIVE PRIOR TO ANY ROOT PRUNING. PRIOR TO ANY EXCAVATING INTO THE EXISTING SOIL GRADE WITHIN 25 FEET OF THE LIMIT OF THE TREE AND PLANT PROTECTION AREA OR TREES TO REMAIN, ROOT PRUNE ALL EXISTING TREES TO A DEPTH OF 24 INCHES BELOW EXISTING GRADE IN ALIGNMENTS FOLLOWING THE EDGES OF THE TREE AND PLANT PROTECTION AREA OR AS DIRECTED BY (PART 8) LATEST

1. USING A ROCK SAW, CHAIN TRENCHER OR SIMILAR TRENCHING DEVICE, MAKE A VERTICAL CUT WITHIN 2 FEET OF THE 3.12 WATERING LIMIT OF GRADING. 2. AFTER COMPLETION OF THE CUT, MAKE CLEAN CUTS WITH A LOPPER, SAW OR PRUNER TO REMOVE ALL TORN ROOT

ENDS ON THE TREE SIDE OF THE EXCAVATION, AND BACKFILL THE TRENCH IMMEDIATELY WITH EXISTING SOIL, FILLING 3.7 INSTALLATION OF GEOGRIDS, FILTER FABRIC, MATTING, AND OR AGGREGATE 1. PRIOR TO THE START OF CONSTRUCTION, SUBMIT, FOR APPROVAL BY THE OWNER'S REPRESENTATIVE, THE REPORT OF A. INSTALL GEOGRIDS, FILTER FABRIC, MATTING, AND/OR AGGREGATE IN AREAS AND DEPTHS SHOWN ON THE PLANS AND DETAILS OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE. IN GENERAL IT IS THE INTENT OF THIS SPECIFICATION TO

> 1. AREAS WHERE FOOT TRAFFIC OR STORAGE OF LIGHTWEIGHT MATERIALS IS ANTICIPATED TO BE UNAVOIDABLE PROVIDE A LAYER OF FILTER FABRIC UNDER THE 6 INCHES OF MULCH. 2. AREAS WHERE OCCASIONAL LIGHT VEHICLE TRAFFIC IS ANTICIPATED TO BE UNAVOIDABLE PROVIDE A LAYER OF

PROVIDE THE FOLLOWING LEVELS OF PROTECTION:

GEOGRIDS UNDER 8 INCHES OF MULCH. 3. AREAS WHERE HEAVY VEHICLE TRAFFIC IS UNAVOIDABLE PROVIDE A LAYER OF GEOGRIDS UNDER 8 - 12 INCHES OF MULCH AND A LAYER OF MATTING OVER THE MULCH. THE OWNER'S REPRESENTATIVE SHALL APPROVE THE APPROPRIATE LEVEL OF PROTECTION.

IN THE ABOVE REQUIREMENTS, LIGHT VEHICLE IS DEFINED AS A TRACK SKID STEER WITH A GROUND PRESSURE OF 4 PSI

OR LIGHTER. A HEAVY VEHICLE IS ANY VEHICLE WITH A TIRE OR TRACK PRESSURE OF GREATER THAN 4 PSI. LIGHTWEIGHT 3.15 CLEAN-UP MATERIALS ARE ANY PACKAGED MATERIALS THAT CAN BE PHYSICALLY MOVED BY HAND INTO THE LOCATION. BULK MATERIALS SUCH AS SOIL, OR AGGREGATE SHALL NEVER BE STORED WITHIN THE TREE AND PLANT PROTECTION AREA. 3.8 PROTECTION: PROTECT THE TREE AND PLANT PROTECTION AREA AT ALL TIMES FROM COMPACTION OF THE SOIL; DAMAGE OF ANY KIND TO TRUNKS, BARK, BRANCHES, LEAVES AND ROOTS OF ALL PLANTS; AND CONTAMINATION OF THE SOIL, BARK OR LEAVES

REPRESENTATIVE OF ANY SPILLS, COMPACTION OR DAMAGE AND TAKE CORRECTIVE ACTION IMMEDIATELY USING METHODS APPROVED BY THE OWNER'S REPRESENTATIVE. 1. FOR EACH APPLICABLE PERSON EXPECTED TO WORK ON THE PROJECT, PROVIDE COPIES OF THE QUALIFICATIONS AND 3.9 GENERAL REQUIREMENTS AND LIMITATIONS FOR OPERATIONS WITHIN THE TREE AND PLANT PROTECTION AREA: A. THE CONTRACTOR SHALL NOT ENGAGE IN ANY CONSTRUCTION ACTIVITY WITHIN THE TREE AND PLANT PROTECTION AREA D. REMOVE AND DISPOSE OF ALL EXCESS MULCH, WOOD CHIPS, PACKAGING, AND OTHER MATERIAL BROUGHT TO THE SITE

WITH CONSTRUCTION MATERIALS, DEBRIS, SILT, FUELS, OILS, AND ANY CHEMICALS SUBSTANCE. NOTIFY THE OWNER'S

WITHOUT THE APPROVAL OF THE OWNER'S REPRESENTATIVE INCLUDING: OPERATING, MOVING OR STORING EQUIPMENT; BY THE CONTRACTOR. STORING SUPPLIES OR MATERIALS; LOCATING TEMPORARY FACILITIES INCLUDING TRAILERS OR PORTABLE TOILETS AND 3.16 REMOVAL OF TREE AND PLANT PROTECTION SHALL NOT PERMIT EMPLOYEES TO TRAVERSE THE AREA TO ACCESS ADJACENT AREAS OF THE PROJECT OR USE THE A. AT THE END OF THE CONSTRUCTION PERIOD OR WHEN REQUESTED BY THE OWNER'S REPRESENTATIVE REMOVE ALL AREA ANY REASON. PERMITTED ACTIVITY, IF ANY, WITHIN THE TREE AND PLANT PROTECTION AREA MAY BE INDICATED ON

THE DRAWINGS ALONG WITH ANY REQUIRED REMEDIAL ACTIVITY AS LISTED BELOW. IN THE EVENT THAT CONSTRUCTION/VEHICULAR ACTIVITY IS UNAVOIDABLE WITHIN THE TREE AND PLANT PROTECTION

3.17 DAMAGE OR LOSS TO EXISTING PLANTS TO REMAIN AREA, NOTIFY THE OWNER'S REPRESENTATIVE AND SUBMIT A DETAILED WRITTEN PLAN OF ACTION FOR APPROVAL. THE PLAN SHALL INCLUDE: A STATEMENT DETAILING THE REASON FOR THE ACTIVITY INCLUDING WHY OTHER AREAS ARE NOT SUITED; A DESCRIPTION OF THE PROPOSED ACTIVITY; THE TIME PERIOD FOR THE ACTIVITY, AND A LIST OF REMEDIAL ACTIONS THAT WILL REDUCE THE IMPACT ON THE TREE AND PLANT PROTECTION AREA FROM THE ACTIVITY. TREE

PROTECTION FOR THE REMEDIAL ACTIONS SHALL INCLUDE BUT SHALL NOT BE LIMITED TO THE FOLLOWING: 1. IN GENERAL, DEMOLITION AND EXCAVATION WITHIN THE DRIP LINE OF TREES AND SHRUBS SHALL PROCEED WITH EXTREME CARE EITHER BY THE USE OF HAND TOOLS, DIRECTIONAL BORING AND OR AIR KNIFE EXCAVATION WHERE INDICATED OR WITH OTHER LOW IMPACT EQUIPMENT THAT WILL NOT CAUSE DAMAGE TO THE TREE, ROOTS OR SOIL.

2. WHEN ENCOUNTERED, EXPOSED ROOTS, 1 INCHES AND LARGER IN DIAMETER SHALL BE WORKED AROUND IN A MANNER THAT DOES NOT BREAK THE OUTER LAYER OF THE ROOT SURFACE (BARK). THESE ROOTS SHALL BE COVERED IN MULCH AND SHALL BE MAINTAINED ABOVE PERMANENT WILT POINT AT ALL TIMES. ROOTS ONE INCH AND LARGER IN DIAMETER SHALL NOT BE CUT WITHOUT THE APPROVAL OF THE OWNERS REPRESENTATIVE AND PROJECT ARBORIST. EXCAVATION SHALL BE TUNNELED UNDER THESE ROOTS WITHOUT CUTTING THEM. IN THE AREAS WHERE ROOTS ARE ENCOUNTERED, WORK SHALL BE PERFORMED AND SCHEDULED TO CLOSE EXCAVATIONS AS QUICKLY AS POSSIBLE OVER EXPOSED ROOTS.

3. TREE BRANCHES THAT INTERFERE WITH THE CONSTRUCTION MAY BE TIED BACK OR PRUNED TO CLEAR ONLY TO THE POINT NECESSARY TO COMPLETE THE WORK. OTHER BRANCHES SHALL ONLY BE REMOVED WHEN SPECIFICALLY INDICATED BY THE OWNER'S REPRESENTATIVE. TYING BACK OR TRIMMING OF ALL BRANCHES AND THE CUTTING OF ROOTS SHALL BE IN ACCORDANCE WITH ACCEPTED ARBORICULTURAL PRACTICES (ANSI A300, PARTS 1 AND 8) AND BE PERFORMED UNDER SUPERVISION OF THE I.S.A. CERTIFIED ARBORIST

4. MATTING: INSTALL TEMPORARY MATTING OR AN ADDITIONAL 12 INCH MULCH LAYER OVER THE MULCH SPECIFIED HEREFORD WITHIN THESE SPECIFICATIONS TO THE EXTENT INDICATED. DO NOT PERMIT FOOT TRAFFIC, SCAFFOLDING, VEHICULAR TRAFFIC, OR THE STORAGE OF MATERIALS WITHIN THE TREE AND PLANT PROTECTION AREA TO OCCUR OFF

5. TRUNK PROTECTION: PROTECT THE TRUNK OF EACH TREE TO REMAIN BY COVERING IT WITH A CLOSED CELL FOAM PAD AND A RING OF 2" x 4" x 4'-0" PLANKS LOOSELY BANDED ONTO THE TREE WITH 3 STEEL BANDS. STAPLE THE BANDS TO THE PLANKS AS NECESSARY TO HOLD THEM SECURELY IN PLACE. TRUNK PROTECTION MUST BY KEPT IN PLACE NO LONGER THAN 12 MONTHS. IF CONSTRUCTION REQUIRES WORK NEAR A PARTICULAR TREE TO CONTINUE LONGER THAN 12 MONTHS, THE STEEL BANDS SHALL BE INSPECTED EVERY SIX MONTHS AND LOOSENED IF THEY ARE FOUND TO END OF SECTION 015639 HAVE BECOME TIGHT.

6. AIR EXCAVATION TOOL: IF EXCAVATION FOR FOOTINGS OR UTILITIES IS REQUIRED WITHIN THE TREE AND PLANT PROTECTION AREA, AIR EXCAVATION TOOL TECHNIQUES SHALL BE USED WHERE PRACTICAL OR AS DESIGNED ON THE

a. REMOVE THE MULCH FROM AN AREA APPROXIMATELY 18 INCHES BEYOND THE LIMITS OF THE HOLE OR TRENCH TO BE EXCAVATED. COVER THE MULCH FOR A DISTANCE OF NOT LESS THAN 15 FEET AROUND THE LIMIT OF THE EXCAVATION AREA WITH FILTER FABRIC OR PLASTIC SHEETING TO PROTECT THE MULCH FROM SILT. MOUND THE MUI CH SO THAT THE PLASTIC SLOPES TOWARDS THE EXCAVATION.

b. USING A SPRINKLER OR SOAKER HOSE, APPLY WATER SLOWLY TO THE AREA OF THE EXCAVATION FOR A PERIOD OF AT LEAST 4 HOURS, APPROXIMATELY 12 HOURS PRIOR TO THE WORK SO THAT THE GROUND WATER LEVEL IS AT OR NEAR FIELD CAPACITY AT THE BEGINNING OF THE WORK. FOR EXCAVATIONS THAT GO BEYOND THE DAMP SOIL, REWET THE SOIL AS NECESSARY TO KEEP SOIL MOISTURE NEAR FIELD CAPACITY. C. USING AN AIR EXCAVATION TOOL SPECIFICALLY DESIGNED AND MANUFACTURED FOR THE INTENDED PURPOSE, AND

AT PRESSURES RECOMMENDED BY THE MANUFACTURER OF THE EQUIPMENT, FRACTURE THE EXISTING SOIL TO THE SHAPE AND THE DEPTHS REQUIRED. WORK AT RATES AND USING TECHNIQUES THAT DO NOT HARM TREE ROOTS. AIR PRESSURE SHALL BE A MAXIMUM OF 90-100 PSI. 1.) THE AIR EXCAVATION TOOL SHALL BE "AIR-SPADE" AS MANUFACTURED BY CONCEPT ENGINEERING GROUP, INC.,

VERONA, PA (412) 826-8800, OR AIR KNIFE AS MANUFACTURED BY EASY USE AIR TOOLS, INC. ALLISON PARK, PA (866) 328-5723 OR APPROVED EQUAL. d. USING A COMMERCIAL, HIGH-POWERED VACUUM TRUCK IF REQUIRED, REMOVE THE SOIL FROM THE EXCAVATION

PRODUCED BY THE AIR KNIFE EXCAVATION. THE VACUUM TRUCK SHOULD GENERALLY OPERATE SIMULTANEOUSLY WITH THE HOSE OPERATOR, SUCH THAT THE SOIL PRODUCED IS PICKED UP FROM THE EXCAVATION HOLE, AND THE EXPOSED ROOTS CAN BE OBSERVED AND NOT DAMAGED BY THE ONGOING OPERATION. DO NOT DRIVE THE VACUUM TRUCK INTO THE TREE AND PLANT PROTECTION AREA UNLESS THE AREA IS PROTECTED FROM COMPACTION AS APPROVED IN ADVANCE BY THE OWNER'S REPRESENTATIVE. e. REMOVE ALL EXCAVATED SOIL AND EXCAVATED MULCH, AND CONTAMINATED SOIL AT THE END OF THE EXCAVATION.

f. SCHEDULE THE WORK SO THAT FOUNDATIONS OR UTILITY WORK IS COMPLETED IMMEDIATELY AFTER THE EXCAVATION. DO NOT LET THE ROOTS DRY OUT. MIST THE ROOTS SEVERAL TIMES DURING THE DAY. IF THE EXCAVATED AREA MUST REMAIN OPEN OVER NIGHT, MIST THE ROOTS AND COVER THE EXCAVATION WITH BLACK

g. DISPOSE OF ALL SOIL IN A MANNER THAT MEETS LOCAL LAWS AND REGULATIONS. h. RESTORE SOIL WITHIN THE TRENCH AS SOON AS THE WORK IS COMPLETED. UTILIZE SOIL OF SIMILAR TEXTURE TO THE REMOVED SOIL AND LIGHTLY COMPACT WITH HAND TOOLS. LEAVE SOIL MOUNDED OVER THE TRENCH TO A

HEIGHT OF APPROXIMATELY 10% OF THE TRENCH DEPTH TO ACCOUNT FOR SETTLEMENT. i. RESTORE ANY GEOGRIDS, FILTER FABRIC, OR MULCH AND OR MATTING THAT WAS PREVIOUSLY REQUIRED FOR THE

REMOVE ALL TREES INDICATED BY THE DRAWINGS AND SPECIFICATIONS. AS REQUIRING REMOVAL, IN A MANNER THA

WILL NOT DAMAGE ADJACENT TREES OR STRUCTURES OR COMPACTS THE SOIL. REMOVE TREES THAT ARE ADJACENT TO TREES OR STRUCTURES TO REMAIN, IN SECTIONS, TO LIMIT THE OPPORTUNITY OF DAMAGE TO ADJACENT CROWNS, TRUNKS, GROUND PLANE FLEMENTS AND STRUCTURES DO NOT DROP TREES WITH A SINGLE CUT UNLESS THE TREE WILL FALL IN AN AREA NOT INCLUDED IN THE TREE AND PLANT PROTECTION AREA. NO TREE TO BE REMOVED WITHIN 50 FEET OF THE TREE AND PLANT PROTECTION AREA SHALL

BE PUSHED OVER OR UP-ROOTED USING A PIECE OF GRADING FQUIPMENT PROTECT ADJACENT PAVING. SOIL. TREES. SHRUBS. GROUND COVER PLANTINGS AND UNDERSTORY PLANTS TO REMAIN FROM DAMAGE DURING ALL TREE REMOVAL OPERATIONS. AND FROM CONSTRUCTION OPERATIONS. PROTECTION SHALL INCLUDE THE ROOT SYSTEM, TRUNK, LIMBS, AND CROWN FROM BREAKAGE OR SCARRING, AND THE SOIL FROM

REMOVE STUMPS AND IMMEDIATE ROOT PLATE FROM EXISTING TREES TO BE REMOVED. GRIND TRUNK BASES AND LARGE BUTTRESS ROOTS TO A DEPTH OF THE LARGEST BUTTRESS ROOT OR AT LEAST 18 INCHES BELOW THE TOP MOST ROOTS WHICH EVER IS LESS AND OVER THE AREA OF THREE TIMES THE DIAMETER OF THE TRUNK (DBH)

1. FOR TREES WHERE THE STUMP WILL FALL UNDER NEW PAVED AREAS, GRIND ROOTS TO A TOTAL DEPTH OF 18 INCHES BELOW THE EXISTING GRADE. IF THE SIDES OF THE STUMP HOLE STILL HAVE GREATER THAN APPROXIMATELY 20% WOOD VISIBLE, CONTINUE GRINDING OPERATION DEEPER AND OR WIDER UNTIL THE RESULTING HOLE HAS LESS THAN 20% WOOD, REMOVE ALL WOOD CHIPS PRODUCED BY THE GRINDING OPERATION AND BACK FILL IN 8 INCH LAYERS WITH CONTROLLED FILL OF A QUALITY ACCEPTABLE TO THE SITE ENGINEER FOR FILL MATERIAL UNDER STRUCTURES COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY STANDARD PROCTOR. THE OWNER'S REPRESENTATIVE SHALL APPROVE EACH HOLE AT THE END OF THE GRINDING OPERATION.

2. IN AREAS WHERE THE TREE LOCATION IS TO BE A PLANTING BED OR LAWN, REMOVE ALL WOODCHIPS AND BACKFILL STUMP HOLES WITH PLANTING SOIL AS DEFINED IN THE SOIL MANAGEMENT SPECIFICATIONS, IN MAXIMUM OF 12 INCH LAYERS AND COMPACT TO 80 - 85% OF THE MAXIMUM DRY DENSITY STANDARD PROCTOR.

WITHIN SIX MONTHS OF THE ESTIMATED DATE OF SUBSTANTIAL COMPLETION, PRUNE ALL DEAD OR HAZARDOUS BRANCHES LARGER THAN 2 INCH IN DIAMETER FROM ALL TREES TO REMAIN.

IMPLEMENT ALL PRUNING RECOMMENDATIONS FOUND IN THE ARBORIST REPORT. PRUNE ANY LOW, HANGING BRANCHES AND VINES FROM EXISTING TREES AND SHRUBS THAT OVERHANG WALKS, STREETS AND DRIVES, OR PARKING AREAS AS FOLLOWS:

1. WALKS - WITHIN 8 FEET VERTICALLY OF THE PROPOSED WALK ELEVATION.

2. PARKING AREAS - WITHIN 12 FEET VERTICALLY OF THE PROPOSED PARKING SURFACE ELEVATION. 3. STREETS AND DRIVES - WITHIN 14 FEET VERTICALLY OF THE PROPOSED DRIVING SURFACE ELEVATION ALL PRUNING SHALL BE DONE IN ACCORDANCE WITH ANSI A300 (PART 1 - PRUNING), ISA BMP: TREE PRUNING AND THE

"STRUCTURAL PRUNING: A GUIDE FOR THE GREEN INDUSTRY. PERFORM OTHER PRUNING TASK AS INDICATED ON THE DRAWINGS OR REQUESTED BY THE OWNER'S REPRESENTATIVE WHERE TREE SPECIFIC DISEASE VECTORS REQUIRE, STERILIZE ALL PRUNING TOOLS BETWEEN THE WORK IN INDIVIDUAL

USING HOSES OR WATER TANKS AS REQUIRED.

THAT MULCH IS CONFINED TO PLANTING BEDS.

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE TO ENSURE THAT ADEQUATE WATER IS PROVIDED TO ALL PLANTS AND TREES TO BE PRESERVED DURING THE ENTIRE CONSTRUCTION PERIOD. ADEQUATE WATER IS DEFINED TO BE MAINTAINING SOIL MOISTURE ABOVE THE PERMANENT WILT POINT TO A DEPTH OF 8 INCHES OR GREATER. THE CONTRACTOR SHALL ADJUST THE AUTOMATIC IRRIGATION SYSTEM, IF AVAILABLE, AND APPLY ADDITIONAL WATER,

PERIODICALLY TEST THE MOISTURE CONTENT IN THE SOIL WITHIN THE ROOT ZONE TO DETERMINE THE WATER CONTENT

DURING THE CONSTRUCTION PERIOD, CONTROL ANY PLANTS THAT SEED IN AND AROUND THE FENCED TREE AND PLANT PROTECTION AREA AT LEAST THREE TIMES A YEAR. 1. ALL PLANTS THAT ARE NOT SHOWN ON THE PLANTING PLAN OR ON THE TREE AND PLANT PROTECTION PLAN TO REMAIN SHALL BE CONSIDERED AS WEEDS.

AT THE END OF THE CONSTRUCTION PERIOD PROVIDE ONE FINAL WEEDING OF THE TREE AND PLANT PROTECTION AREA MONITOR ALL PLANTS TO REMAIN FOR DISEASE AND INSECT INFESTATIONS DURING THE ENTIRE CONSTRUCTION PERIOD.

OF INTEGRATED PEST MANAGEMENT (IPM). ALL PESTICIDES SHALL BE APPLIED BY A CERTIFIED PESTICIDE APPLICATOR. DURING TREE AND PLANT PROTECTION WORK, KEEP THE SITE FREE OF TRASH, PAVEMENTS REASONABLY CLEAN AND WORK AREA IN AN ORDERLY CONDITION AT THE END OF EACH DAY, REMOVE TRASH AND DEBRIS IN CONTAINERS FROM THE SITE NO LESS THAN ONCE A WEEK.

PROVIDE ALL DISEASE AND INSECT CONTROL REQUIRED TO KEEP THE PLANTS IN A HEALTHY STATE USING THE PRINCIPLES

1. IMMEDIATELY CLEAN UP ANY SPILLED OR TRACKED SOIL, FUEL, OIL, TRASH OR DEBRIS DEPOSITED BY THE CONTRACTOR FROM ALL SURFACES WITHIN THE PROJECT OR ON PUBLIC RIGHT OF WAYS AND NEIGHBORING ONCE TREE PROTECTION WORK IS COMPLETE, WASH ALL SOIL FROM PAVEMENTS AND OTHER STRUCTURES. ENSURE

MAKE ALL REPAIRS TO GRADES, RUTS, AND DAMAGE TO THE WORK OR OTHER WORK AT THE SITE.

FENCING, GEOGRIDS AND FILTER FABRIC, TRUNK PROTECTION AND OR ANY OTHER TREE AND PLANT PROTECTION

ANY TREES OR PLANTS DESIGNATED TO REMAIN AND WHICH ARE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT THEIR OWN EXPENSE. TREES SHALL BE REPLACED WITH A TREE OF SIMILAR SPECIES AND 3 INCH CALIPER. SHRUBS SHALL BE REPLACED WITH A PLANT OF SIMILAR SPECIES AND EQUAL SIZE OR THE LARGEST SIZE PLANTS REASONABLY AVAILABLE WHICH EVER IS LESS. WHERE REPLACEMENT PLANTS ARE TO BE LESS THAN THE SIZE OF THE PLANT THAT IS DAMAGED, THE OWNER'S REPRESENTATIVE SHALL APPROVE THE SIZE AND QUALITY OF THE

1. ALL TREES AND PLANTS SHALL BE INSTALLED PER THE REQUIREMENTS OF PLANTING SPECIFICATIONS. PLANTS THAT ARE DAMAGED SHALL BE CONSIDERED AS REQUIRING REPLACEMENT OR APPRAISAL IN THE EVENT THAT THE DAMAGE AFFECTS MORE THAN 25% OF THE CROWN, 25% OF THE TRUNK CIRCUMFERENCE, OR ROOT PROTECTION AREA, OR THE TREE IS DAMAGED IN SUCH A MANNER THAT THE TREE COULD DEVELOP INTO A POTENTIAL HAZARD. TREES

AND SHRUBS TO BE REPLACED SHALL BE REMOVED BY THE CONTRACTOR AT HIS OWN EXPENSE. 1. THE OWNER'S REPRESENTATIVE MAY ENGAGE AN INDEPENDENT CONSULTING ARBORIST TO ASSESS ANY TREE OR

PLANT THAT APPEARS TO HAVE BEEN DAMAGED TO DETERMINE THEIR HEALTH OR CONDITION. 2. CONTRACTOR SHALL PAY ALL FINES AND MITIGATION COSTS ASSOCIATED WITH LOSS OF PROTECTED TREES DAMAGED

BY CONTRACTOR'S FORCES. ANY TREE THAT IS DETERMINED TO BE DEAD, DAMAGED OR POTENTIALLY HAZARDOUS BY THE OWNER'S ARBORIST AND UPON THE REQUEST OF THE OWNER'S REPRESENTATIVE SHALL BE IMMEDIATELY REMOVED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. TREE REMOVAL SHALL INCLUDE ALL CLEAN UP OF ALL WOOD PARTS AND GRINDING OF THE STUMP TO A DEPTH SUFFICIENT TO PLANT THE REPLACEMENT TREE OR PLANT, REMOVAL OF ALL CHIPS FROM THE STUMP SITE AND FILLING THE RESULTING HOLE WITH TOPSOIL.

ANY REMEDIAL WORK ON DAMAGED EXISTING PLANTS RECOMMENDED BY THE CONSULTING ARBORIST SHALL BE COMPLETED BY THE CONTRACTOR AT NO COST TO THE OWNER. REMEDIAL WORK SHALL INCLUDE BUT IS NOT LIMITED TO: SOIL COMPACTION REMEDIATION AND VERTICAL MULCHING, PRUNING AND OR CABLING, INSECT AND DISEASE CONTROL INCLUDING INJECTIONS, COMPENSATORY WATERING, ADDITIONAL MULCHING, AND COULD INCLUDE APPLICATION TREE GROWTH REGULATORS (TGR).

REMEDIAL WORK MAY EXTEND UP TO TWO YEARS FOLLOWING THE COMPLETION OF CONSTRUCTION TO ALLOW FOR ANY REQUIREMENTS OF MULTIPLE APPLICATIONS OR THE NEED TO UNDERTAKE APPLICATIONS AT REQUIRED SEASONS OF THE

P.L.A. NIKOLAUS B. ADAMS

L.A. No. 3404 Date 5/15/2025

Kimley—Horn and Associates, Inc

Call before you dig

Know what's **below**.

EXISTING UNDERGROUND

UTILITIES. CONTRACTOR TO

VERIFY EXACT LOCATION

PRIOR TO ANY TRENCHING

OR EXCAVATION.

<u> Architect:</u> Carroll Architects Rockwall, Texas 75087 Contact: Glennon Langston Phone: 972-732-6085

750 E. Interstate 30, Ste. 110 801 S. Riverfront Boulevard,00 225 E. John W Carpenter FWY, Dallas, Texas 75207 Contact: Joseph Bickham Irving, Texas 75062 Phone: 469-203-0159 Contact: Jared Earney, P.E. Phone: 214-420-5600

SITE PLAN FOR

FUEL CITY - ROCKWALL

LOT 2, BLOCK A

CORNERSTONE COMMUNITY CHURCH

4.34 ACRES

N. BUTLER SURVEY ABSTRACT NO. 20

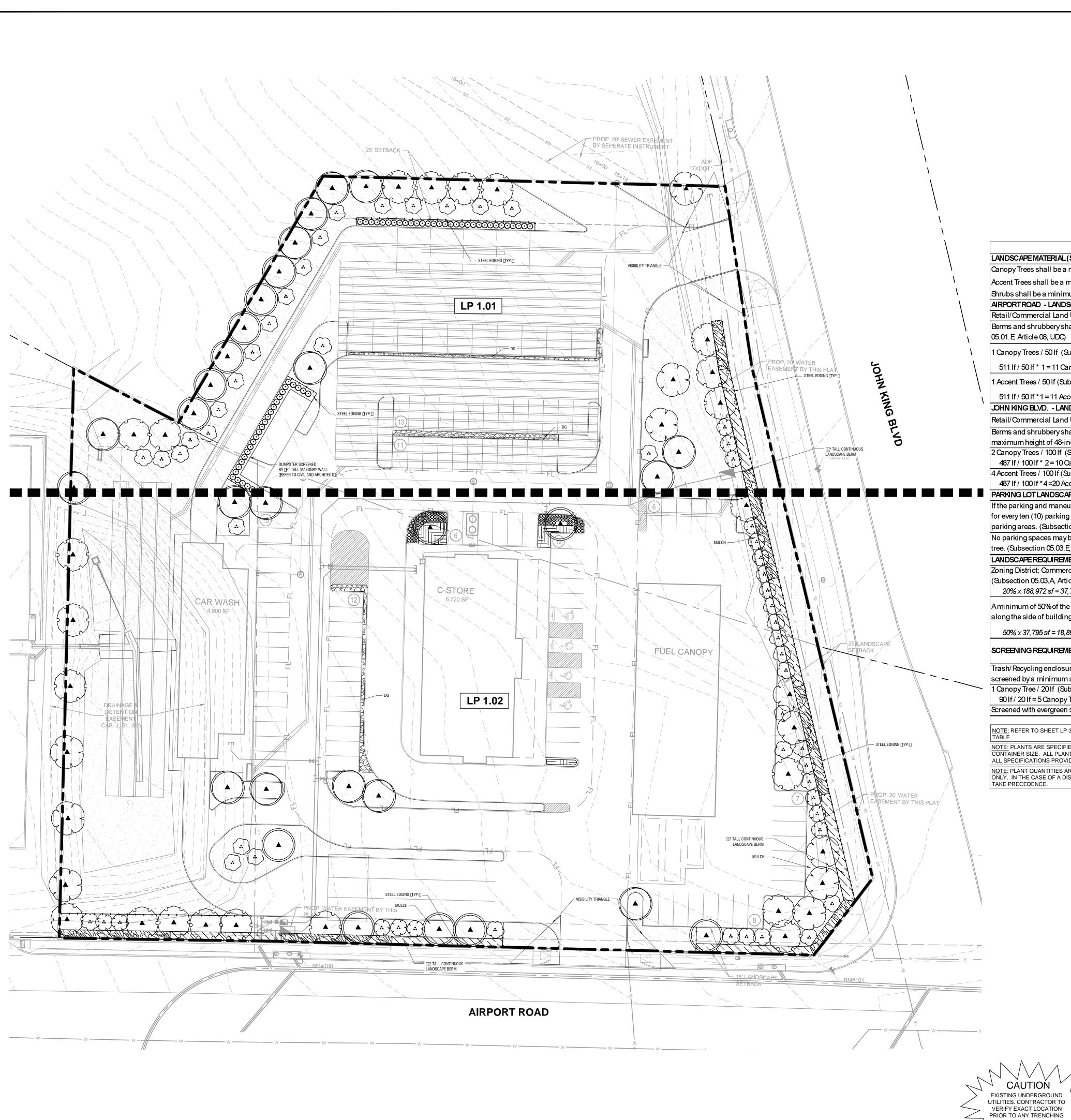
City of Rockwall, Rockwall County, Texas

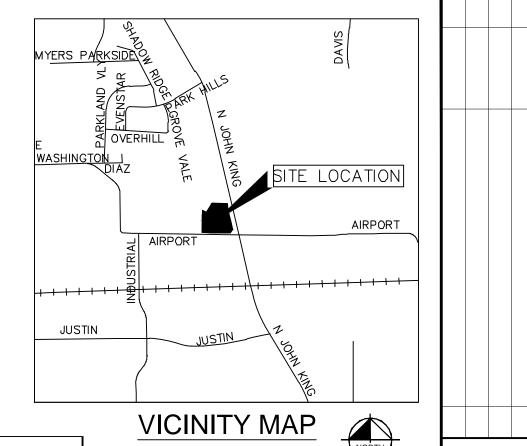
Current Zoning: C (Commerical District)

Proposed Land Use: Gas Station/ Car Wash

Submitted: May 16th, 2025

SHEET NUMBER TP 3.02

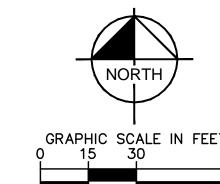




LANDSCAPE MATERIAL (SECTION 4.A.) Canopy Trees shall be a minimum of 4 failiper Accent Trees shall be a minimum of 4 failiper Accent Trees shall be a minimum of 3 gallons in size AIRPORT ROAD - LANDSCAPE BLIFTERS Retail/Commercial Land Uses: 15-feet (Subsection 05.01.E, Article 06, UDC) Betail/Commercial Land Uses: 15-feet (Subsection 05.01.E, Article 08, UDC) 10 anopy Trees / 50 lf (Subsection 05.01.E, Article 08, UDC) 11 Canopy Trees / 50 lf (Subsection 05.01.E, Article 08, UDC) 11 Accent Trees / 50 lf (Subsection 05.01.E, Article 08, UDC) 11 Accent Trees / 50 lf (Subsection 05.01.E, Article 08, UDC) 11 Accent Trees / 50 lf (Subsection 05.01.E, Article 08, UDC) 11 Accent Trees / 50 lf (Subsection 05.01.E, Article 08, UDC) 11 Accent Trees / 50 lf (Subsection 05.01.E, Article 08, UDC) 11 Accent Trees / 50 lf (Subsection 05.01.E, Article 08, UDC) 12 Accent Trees / 50 lf (Subsection 05.01.E, Article 08, UDC) 13 All Accent Trees / 50 lf (Subsection 05.01.E, Article 05, UDC) 14 Accent Trees / 50 lf (Subsection 05.01.E, Article 05, UDC) 15 Article 05 lt	CITY OF ROCKWALL LANDSCAPE REQUIREMENTS			
Accent Trees shall be a minimum of 4ft in total height Shrubs shall be a minimum of 3 gallons in size  AIRPORTROAD - LANDSCAPE BUFFERS  REQUIRED PROWDED  10ft 15ft  Berms and shrubbery shall each have a minimum height of 30-inches. (Subsection 05.01.E, Article 06, UDC)  1 Canopy Trees / 50lf (Subsection 05.01.E, Article 08, UDC)  1 Canopy Trees / 50lf (Subsection 05.01.E, Article 08, UDC)  1 Accent Trees / 50lf (Subsection 05.01.E, Article 08, UDC)  1 Accent Trees / 50lf (Subsection 05.01.E, Article 08, UDC)  1 Accent Trees / 50lf (Subsection 05.01.E, Article 08, UDC)  1 Accent Trees / 50lf (Subsection 05.01.E, Article 08, UDC)  1 Accent Trees / 50lf (Subsection 05.01.E, Article 08, UDC)  1 Accent Trees / 50lf (Subsection 05.01.E, Article 05, UDC)  2 All Accent Trees / 50lf (Subsection 05.01.E, Article 05, UDC)  2 Article 05, UDC)  3 Oin  4 Accent Trees / 100lf (Subsection 05.02.E, Article 05, UDC)  4 Article 05, UDC)  4 Article 05, UDC)  4 Article 06, UDC)  4 Article 06, UDC)  4 Article 06, UDC)  5 Accent Trees / 100lf (Subsection 06.02.E, Article 05, UDC)  4 Article 06, UDC)  4 Article 06, UDC)  5 Accent Trees / 100lf (Subsection 06.02.E, Article 05, UDC)  4 Article 06, UDC)  5 Accent Trees / 100lf (Subsection 06.02.E, Article 05, UDC)  4 Article 06, UDC)  5 Accent Trees / 100lf (Subsection 06.02.E, Article 05, UDC)  4 Article 06, UDC)  5 Accent Trees / 100lf (Subsection 06.02.E, Article 05, UDC)  4 Article 06, UDC)  5 Accent Trees / 100lf (Subsection 06.02.E, Article 05, UDC)  5 Accent Trees / 100lf (Subsection 06.03.E, Article 06, UDC)  6 Accent Trees / 100lf (Subsection 06.03.E, Article 06, UDC)  7 Article 06, UDC)  8 Article 07, UDC / 100lf (Subsection 06.03.E, Article 06, UDC)  8 Article 08, UDC)  1 Accent Trees / 100lf (Subsection 06.03.E, Article 06, UDC)  1 Accent Trees / 100lf (Subsection 06.03.E, Article 06, UDC)  1 Accent Trees / 100lf (Subsection 06.03.E, Article	LANDSCAPE MATERIAL (SECTION 4.A.)	REQUIRED	PROVIDED	
Strubs shall be a minimum of 3 gallons in size  ARFORTROAD - LANDSCAFE BUFFERS  Retail/Commercial Land Uses: 15-feet (Subsection 05.01.E, Article 08, UDC)  10 ft 15 ft  Berms and shrubbery shall each have a minimum height of 30-inches. (Subsection 05.01.E, Article 08, UDC)  11 Canopy Trees / 50 if (Subsection 05.01.E, Article 08, UDC)  11 Canopy Trees / 50 if (Subsection 05.01.E, Article 08, UDC)  11 Canopy Trees / 50 if (Subsection 05.01.E, Article 08, UDC)  11 Accent Trees / 50 if (Subsection 05.01.E, Article 08, UDC)  11 Accent Trees / 50 if (Subsection 05.01.E, Article 08, UDC)  11 Accent Trees / 50 if (Subsection 05.01.E, Article 08, UDC)  11 Accent Trees / 50 if (Subsection 05.01.E, Article 08, UDC)  11 Accent Trees / 50 if (Subsection 05.01.E, Article 05, UDC)  12 Stt 25 ft  Berms and shrubbery shall each have a minimum height of 30-inches and a maximum height of 48-inches. (Subsection 06.02.E, Article 05, UDC)  22 Stt 25 ft  25 ft  26 Accent Trees / 100 if (Subsection 06.02.E, Article 05, UDC)  487 if / 100 if * 2 = 10 Canopy Trees  4 Accent Trees / 100 if (Subsection 06.02.E, Article 05, UDC)  487 if / 100 if * 4 = 20 Accent Trees  PARNING LOT LANDSCAPING  11 Canopy Tree per 10 parking space exceeds 20,000 sf, one (1) large canopy tree or every ten (10) parking spaces shall be be required to be planted internal to the parking and maneuvoring space exceeds 20,000 sf, one (1) large canopy tree or 10 spots  11 Canopy Tree per 10 parking spaces shall be required to be planted internal to the parking spaces may be located more than 80-feet from the trunk of a canopy  12 Canopy Tree per 10 parking spaces shall be required to be planted internal to the parking spaces may be located more than 80-feet from the trunk of a canopy  12 Canopy Tree per 10 parking spaces shall be required landscaping areas.  13 Canopy Tree per 10 Canopy Tree per 10 Spots  14 REQUIRED  15 Canopy Tree per 10 Canopy Tree per 10 Spots  16 Canopy Tree per 10 Spots  17 Sp4 sf (20%)  18 Sp8 sf (50%)  18 Sp8 sf (50%)  18 Sp8 sf (50%)  18 Sp8	Canopy Trees shall be a minimum of 4" caliper			
Shrubs shall be a minimum of 3 gallons in size AIRPORTROAD - LANDSCAFE BUFFERS Retail/Commercial Land Uses: 15-feet (Subsection 05.01.E, Article 08, UDC) 10ft 15ft Berns and shrubbery shall each have a minimum height of 30-inches. (Subsection 05.01.E, Article 08, UDC) 11 Canopy Trees / 501f (Subsection 05.01.E, Article 08, UDC) 11 Canopy Trees / 501f (Subsection 05.01.E, Article 08, UDC) 11 Canopy Trees 11 Accent Trees 11 Acce	Accent Trees shall be a minimum of 4ft in total height	Yes	Yes	
REQUIRED PROVIDED  Retail/Commercial Land Uses: 15-feet (Subsection 05.01.E, Article 08, UDC) 10ft 15ft  Berms and shrubbery shall each have a minimum height of 30-inches. (Subsection 05.01.E, Article 08, UDC) 30 in				
Retail/Commercial Land Uses: 15-feet (Subsection 05.01.E, Article 08, UDC)		REQUIRED	PROVIDED	
Berms and shrubbery shall each have a minimum height of 30-inches. (Subsection 05.01.E, Article 08, UDC)  1 Canopy Trees / 501 ff (Subsection 05.01.E, Article 08, UDC)  11 Canopy Trees  11 Canopy Trees  11 Canopy Trees  11 Accent Trees  12 Accent Trees  12 Accent Trees  13 Oin  30 in  30 in	Retail/Commercial Land Uses: 15-feet (Subsection 05.01.E, Article 08, UDC)	·	15 ft	
11 Accent Trees   11 Canopy Irees   11 Canopy Irees   11 Canopy Irees   11 Accent Trees   12 Accent Trees   10 Canopy Tr	· — · · · · · · · · · · · · · · · · · ·	30 in	30 in	
11 Accent Trees / 50 If (Subsection 05.01.E, Article 08, UDC)  511 If / 50 If *1 = 11 Accent Trees  JOHN MNG BLVD LANDSCAPE BUFFERS  REQUIRED  PROVIDED  Retail/Commercial Land Use: 25 ft (Subsection 06.02.E, Article 05, UDC)  Retail/Commercial Land Use: 25 ft (Subsection 06.02.E, Article 05, UDC)  25 ft 25 ft  Berms and shrubbery shall each have a minimum height of 30-inches and a maximum height of 48-inches. (Subsection 06.02.E, Article 05, UDC)  487 If / 100 If *2 = 10 Canopy Trees  4 Accent Trees / 100 If (Subsection 06.02.E, Article 05, UDC)  487 If / 100 If *4 = 20 Accent Trees  PARVING LOT LANDSCAPING  If the parking and maneuvering space exceeds 20,000 sf, one (1) large canopy tree for every ten (10) parking spaces shall be required to be planted internal to the parking areas. (Subsection 05.03.E, Article 08, UDC)  No parking spaces may be located more than 80-feet from the trunk of a canopy tree (Subsection 05.03.E, Article 08, UDC)  LANDSCAPE REQUIREMENTS  REQUIRED  PROVIDED  10 Canopy Tree per 10 spots  11 Accent Trees  PROVIDED  12 Accent Trees  13 Accent Trees  14 Accent Trees  15 Teaply Trees  16 Canopy Trees  17 Canopy Trees  18 Accent Trees  18 Accent Trees  19 Accent Trees  10 Canopy Trees  20 Accent Trees  20 A	, , , , , , , , , , , , , , , , , , ,	11 Canopy Trees	11 Canopy Trees	
STILIF / 50   f * 1 = 11 Accent Trees   STILIF / 50   f * 1 = 11 Accent Trees   STILIF / 50   f * 1 = 11 Accent Trees   STILIF / 50   f * 1 = 11 Accent Trees   STILIF / 50   f * 1 = 11 Accent Trees   STILIF / 50   f * 1 = 11 Accent Trees   STILIF / 50   f * 1 = 11 Accent Trees   STILIF / 50   f * 1 = 11 Accent Trees   STILIF / 50   f * 1 = 11 Accent Trees   STILIF / 50   f * 1 = 11 Accent Trees   STILIF / 50   f * 1 = 11 Accent Trees   STILIF / 50   f * 1 = 11 Accent Trees   Accent Trees   Accent Trees / 100   f (Subsection 06.02.E, Article 05, UDC)   AST   f / 100   f * 2 = 10 Canopy Trees   Accent Trees / 100   f (Subsection 06.02.E, Article 05, UDC)   AST   f / 100   f * 2 = 10 Canopy Trees   Accent Trees / 100   f (Subsection 06.02.E, Article 05, UDC)   AST   f / 100   f * 4 = 20 Accent Trees   Accent Trees / Accent Trees / Accent Trees / Accent Trees   Accent Trees / Accent Trees   Accent Trees / Acce	511 lf / 50 lf * 1 = 11 Canopy Trees			
JOHN KING ELVD LANDSCAPE BUFFERS RequireD Retail/Commercial Land Use: 25 ft (Subsection 06.02.E, Article 05, UDC)  25 ft 25 ft  Berms and shrubbery shall each have a minimum height of 30-inches and a maximum height of 48-inches. (Subsection 06.02.E, Article 05, UDC)  2 Canopy Trees / 100 If (Subsection 06.02.E, Article 05, UDC)  487 If / 100 If *2 = 10 Canopy Trees  4 Accent Trees / 100 If (Subsection 06.02.E, Article 05, UDC)  487 If / 100 If *4 = 20 Accent Trees  4 Accent Trees / 100 If (Subsection 06.02.E, Article 05, UDC)  487 If / 100 If *4 = 20 Accent Trees  4 Accent Trees / 100 If (Subsection 06.02.E, Article 05, UDC)  487 If / 100 If *4 = 20 Accent Trees  4 Accent Trees / 100 If (Subsection 06.02.E, Article 05, UDC)  487 If / 100 If *4 = 20 Accent Trees  4 Accent Trees / 100 If (Subsection 06.02.E, Article 05, UDC)  487 If / 100 If *4 = 20 Accent Trees  4 Accent Trees / 100 If (Subsection 06.02.E, Article 05, UDC)  487 If / 100 If *4 = 20 Accent Trees  4 Accent Trees / 100 If (Subsection 06.02.E, Article 05, UDC)  487 If / 100 If *4 = 20 Accent Trees  4 Accent Trees / 20 Accent Trees  5 Canopy Trees  5 Canopy Trees  5 Canopy Trees		11 Accent Trees	11 Accent Trees	
Retail/Commercial Land Use: 25 ft (Subsection 06.02.E, Article 05, UDC)  Berms and shrubbery shall each have a minimum height of 30-inches and a maximum height of 48-inches. (Subsection 06.02.E, Article 05, UDC)  2 Canopy Trees / 100 if (Subsection 06.02.E, Article 05, UDC)  487 if / 100 if * 2 = 10 Canopy Trees  4 Accent Trees / 100 if (Subsection 06.02.E, Article 05, UDC)  487 if / 100 if * 2 = 20 Accent Trees  4 Accent Trees / 100 if (Subsection 06.02.E, Article 05, UDC)  487 if / 100 if * 4 = 20 Accent Trees  4 Accent Trees / 100 if (Subsection 06.02.E, Article 05, UDC)  487 if / 100 if * 4 = 20 Accent Trees  PARMING LOT LANDSCAPING  If the parking and maneuvering space exceeds 20,000 sf, one (1) large canopy tree for every ten (10) parking spaces shall o be required to be planted internal to the parking areas. (Subsection 05.03.E, Article 08, UDC)  No parking spaces may be located more than 80-feet from the trunk of a canopy tree. (Subsection 05.03.E, Article 08, UDC)  LANDSCAPE REQUIREMENTS  REQUIRED  PROVIDED  Zoning District: Commercial (C) District 20 % required landscaping areas. (Subsection 05.03.A, Article 08, UDC)  20% x 188,972 sf = 37,794 sf (20%)  Aminimum of 50% of the required landscaping shall be located in the front of and along the side of buildings with street frontage. (Subsection 05.03.A, Article 08, UDC)  50% x 37,795 sf = 18,898 sf (50%)  SCREENING REQUIREMENTS  REQUIRED  PROVIDED  Trash/Recycling enclosures shall be four sided. These receptacles shall be screened by a minimum six foot, solid masonry dumpster enclosure.  5 Canopy Trees  5 Canopy Trees			DDO\ 4DED	
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···	1 Canopy Tree / 20 If (Subsection 01.05.E, Article 05, UDC)	5 Canopy Trees	5 Canopy Trees	
	• •	Yes	Yes	

NOTE: REFER TO SHEET LP 3.03 TO SEE FULL LANDSCAPE NOTE: PLANTS ARE SPECIFIED BY HEIGHT AND SPREAD, NOT CONTAINER SIZE. ALL PLANTINGS ARE EXPECTED TO MEET ALL SPECIFICATIONS PROVIDED. NOTE: PLANT QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY. IN THE CASE OF A DISCREPANCY, THE DRAWING SHALL TAKE PRECEDENCE.

Pervious	Impervious
65%	35%
(123,862 sf)	(65,110sf)



SITE PLAN FOR FUEL CITY — ROCKWALL LOT 2, BLOCK A CORNERSTONE COMMUNITY CHURCH

4.34 ACRES

N. BUTLER SURVEY ABSTRACT NO. 20 City of Rockwall, Rockwall County, Texas Current Zoning: C (Commerical District) Proposed Land Use: Gas Station/ Car Wash Submitted: May 16th, 2025

<u>Archi</u>	tect:	
Rockwall,	rchitects iterstate 30, Texas 75087 Glennon Land	7

Know what's **below. Call before you dig.** Phone: 972-732-6085

Developer:
Fuel City

Ste. 110

B7

Contact: Joseph Bickham
Phone: 469-203-0159

Engineer:

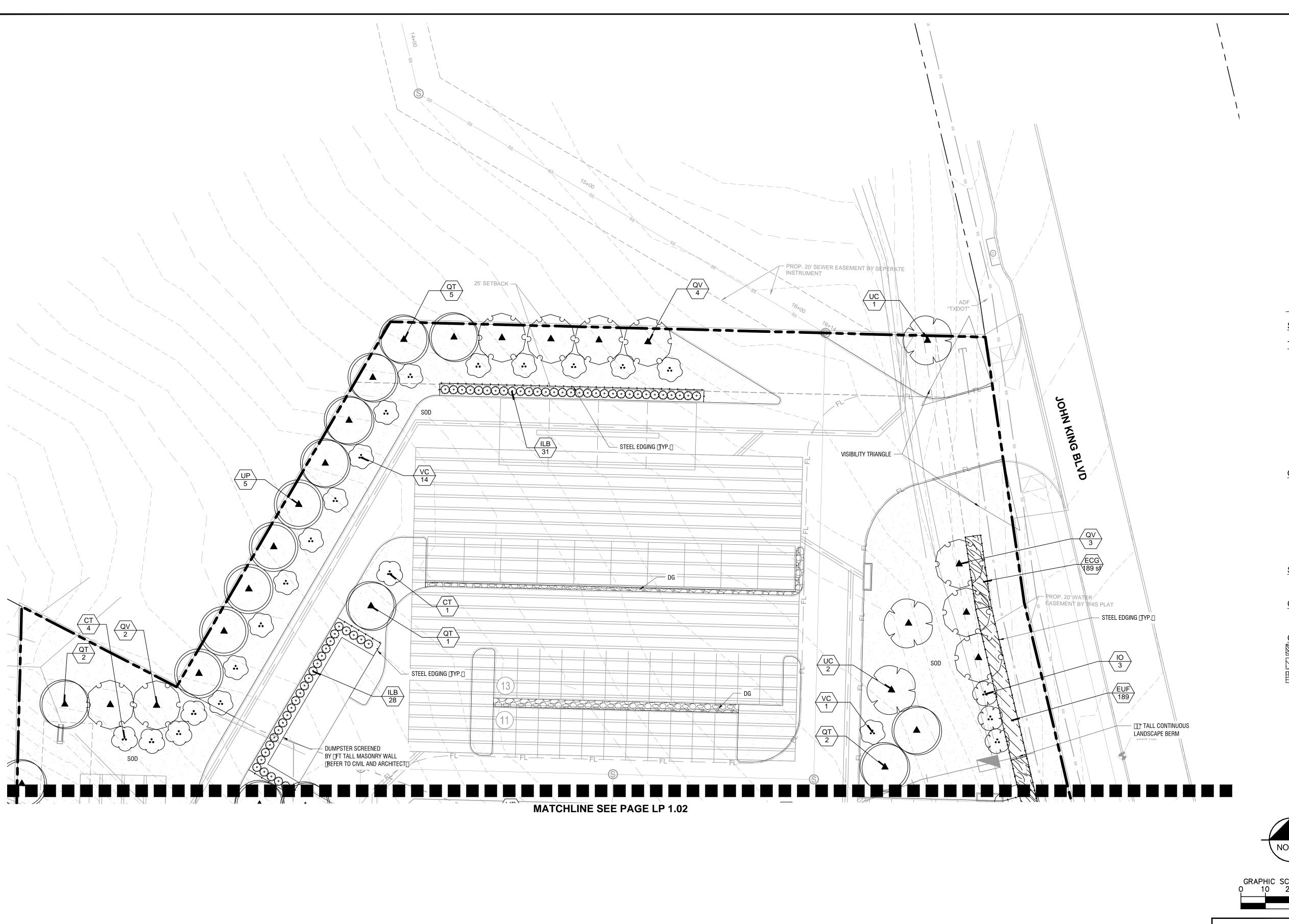
Kimley-Horn and Associates, Inc.
225 E. John W Carpenter FWY,
Suite 1100
Irving, Texas 75062
Contact: Jared Earney, P.E.
Phone: 214-420-5600

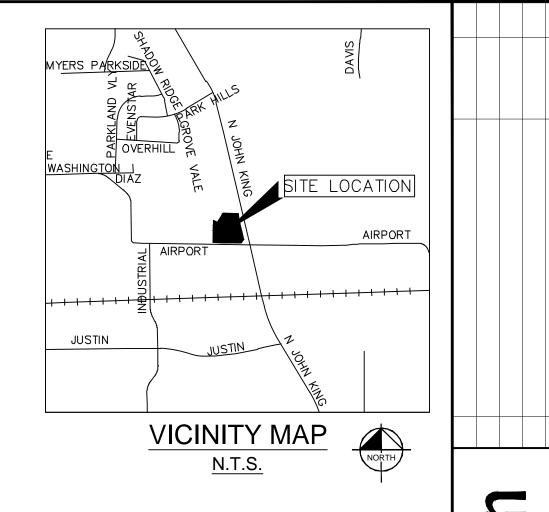
FOR REVIEW ONLY
Not for construction or permit purpose

**Kimley Horn** 

P.L.A. NIKOLAUS B. ADAMS
L.A. No. 3404 Date 5/15/2025

SHEET NUMBER LP 1.00





## PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME			
TREES					
( <u> </u>	QT	Quercus texana / Texas Red Oak			
	QV	Quercus virginiana / Southern Live Oak			
	UC	Ulmus crassifolia / Cedar Elm			
<b>A</b>	UP	Ulmus parvifolia / Lacebark Elm			
ORNAMEN	ORNAMENTAL TREE				

(.)	СТ	Cercis canadensis / Eastern Redbud
	Ю	llex decidua / Possumhaw Holly
•	VC	Vitex agnus-castus / Chaste Tree
SHRUBS	II R	llex cornuta `Burfordii` / Burford Holly

**GROUND COVERS** Eragrostis curvula / Weeping Lovegrass Euonymus fortunei `Coloratus` / Purple-leaf Winter Creeper

Nassella tenuissima / Mexican Feather Grass

Liriope muscari / Liriope Pervious Impervious

GRAPHIC SCALE IN FEET O 10 20 40

NOTE: IRRIGATION WILL MEET REQUIREMENTS OF UDC. NOTE: REFER TO SHEET LP 3.03 TO SEE FULL LANDSCAPE NOTE: PLANTS ARE SPECIFIED BY HEIGHT AND SPREAD, NOT CONTAINER SIZE. ALL PLANTINGS ARE EXPECTED TO MEET ALL SPECIFICATIONS PROVIDED.

(123,862 sf) (65,110 sf)

NOTE: PLANT QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY. IN THE CASE OF A DISCREPANCY, THE DRAWING SHALL TAKE PRECEDENCE.

SITE PLAN FOR FUEL CITY - ROCKWALL LOT 2, BLOCK A CORNERSTONE COMMUNITY CHURCH

4.34 ACRES

N. BUTLER SURVEY ABSTRACT NO. 20 City of Rockwall, Rockwall County, Texas Current Zoning: C (Commerical District) Proposed Land Use: Gas Station/ Car Wash Submitted: May 16th, 2025

Architect:
Carroll Architects
750 E. Interstate 30, Ste.
Rockwall, Texas 75087
Contact: Glennon Langstor
Phone: 972-732-6085

Developer:
Fuel City
Kimley-Horn and Associates, Inc.
225 E. John W Carpenter FWY,
Suite 1100

gston Contact: Joseph Bickham
Above Phone: 469-203-0159

Engineer:
Kimley-Horn and Associates, Inc.
225 E. John W Carpenter FWY,
Suite 1100
Irving, Texas 75062
Contact: Jared Earney, P.E.
Phone: 214-420-5600

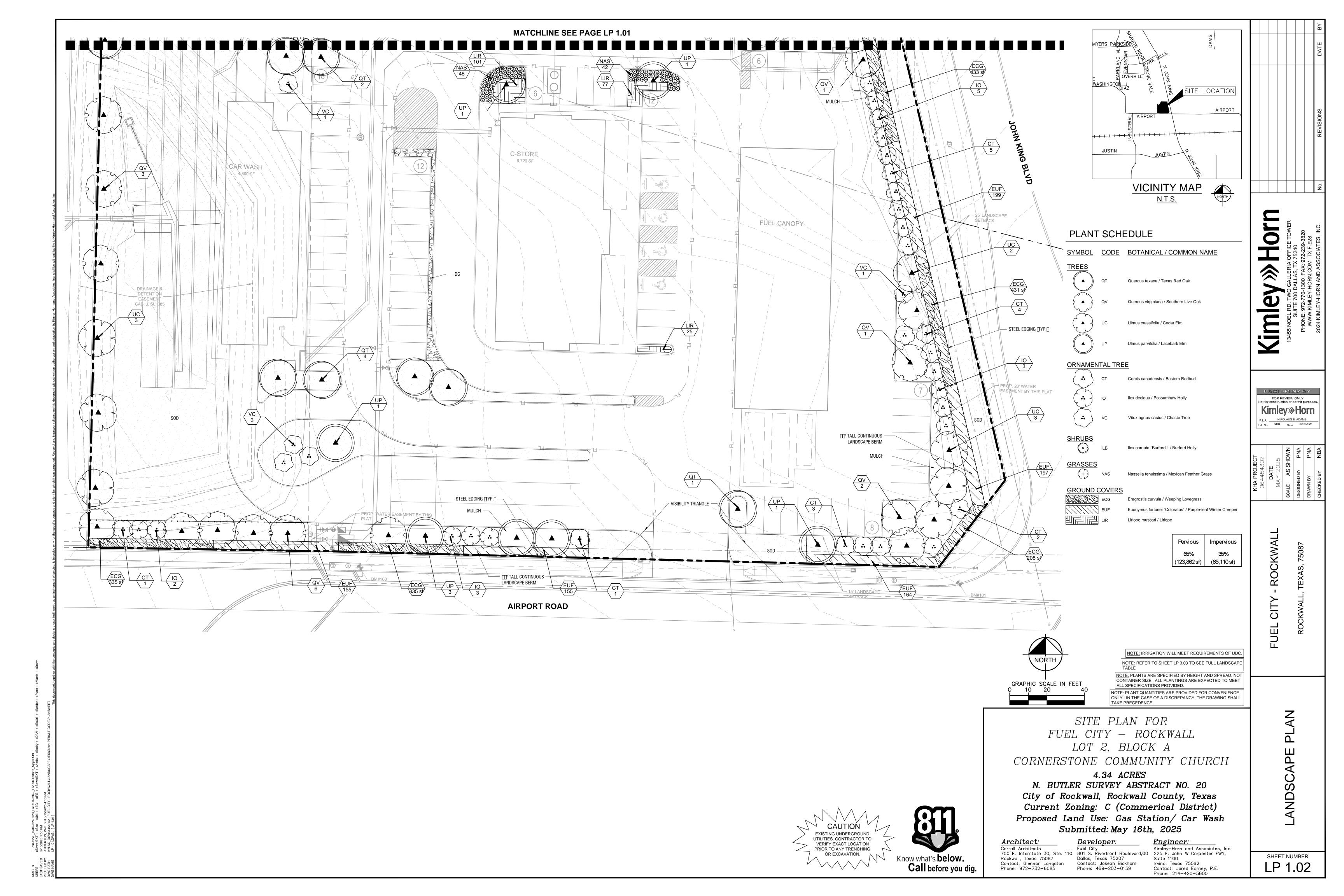
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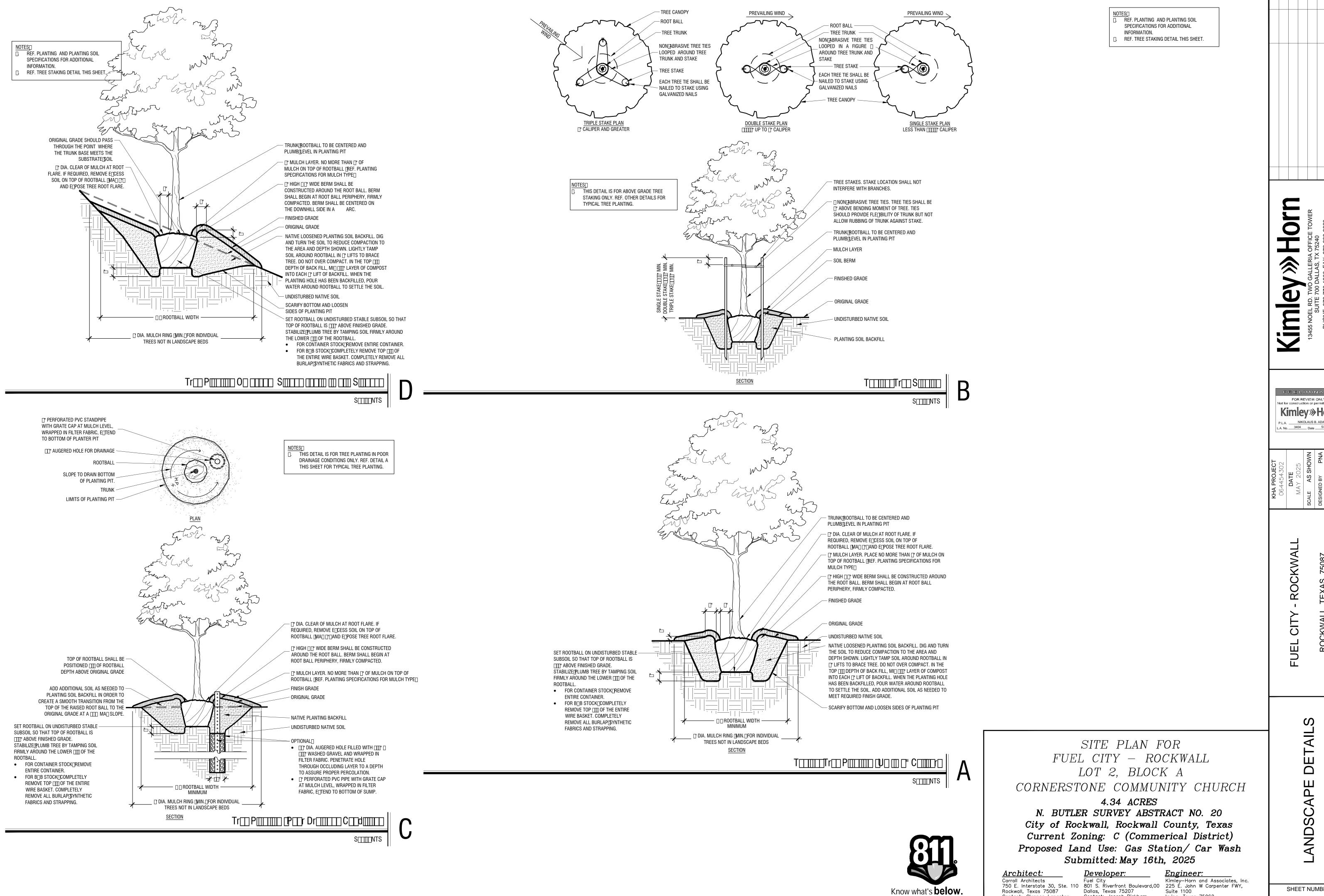
Kimley»Horn

P.L.A. NIKOLAUS B. ADAMS
L.A. No. 3404 Date 5/15/2025

SHEET NUMBER LP 1.01

EXISTING UNDERGROUND UTILITIES. CONTRACTOR TO VERIFY EXACT LOCATION PRIOR TO ANY TRENCHING Know what's **below. Call before you dig.** 





PRELIMINARY FOR REVIEW ONLY Kimley»Horn P.L.A. NIKOLAUS B. ADAMS L.A. No. 3404 Date 5/15/2025

SHEET NUMBER LP 3.01

Rockwall, Texas 75087

Phone: 972-732-6085

Call before you dig.

Contact: Glennon Langston

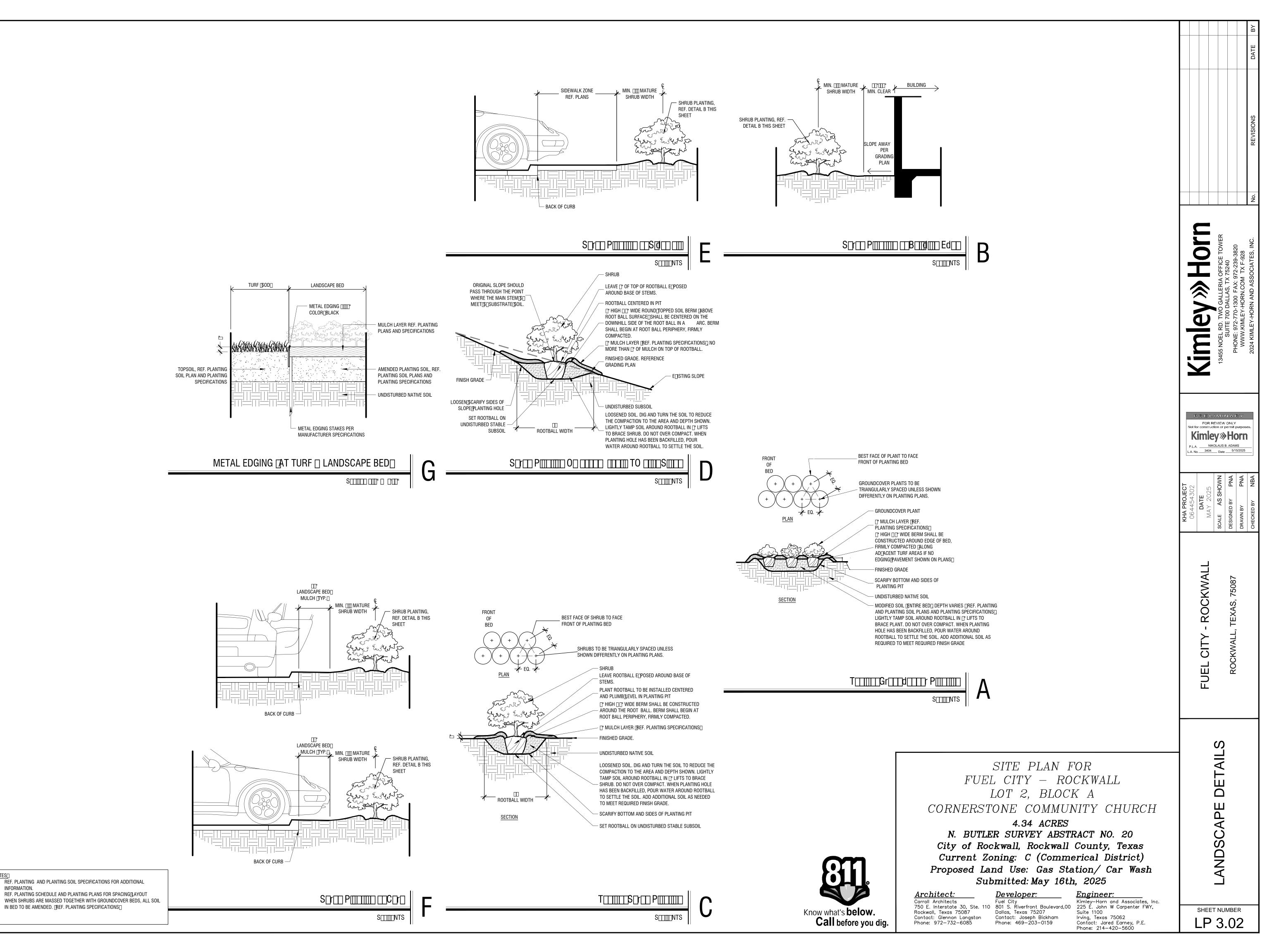
Dallas, Texas 75207

Contact: Joseph Bickham

Phone: 469-203-0159

Irving, Texas 75062

Contact: Jared Earney, P.E. Phone: 214-420-5600



xPlant : xBorder

1. THE WORK CONSISTS OF FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS HEREIN SPECIFIED

2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL PLANTING AREAS OF THIS CONTRACT UNTIL

CERTIFICATION OF ACCEPTABILITY BY THE OWNER. **B. PROTECTION OF EXISTING STRUCTURES** ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, AND OTHER ITEMS OF CONSTRUCTION AND PLANTING ALREADY COMPLETED OR ESTABLISHED SHALL BE PROTECTED FROM DAMAGE BY THIS

CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.

C. PROTECTION OF EXISTING PLANT MATERIALS OUTSIDE LIMIT OF WORK

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY CARELESS OPERATION OF EQUIPMENT. STOCKPILING OF MATERIALS, ETC. THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE HE DRIP-LINE OR THE SPILLING OF OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED WHERE THE HEAT WILL DAMAGE ANY PLANT. TREES KILLED OR DAMAGED SO THAT THEY ARE MISSHAPEN AND/ OR UNSIGHTLY SHALL BE REPLACED AT THE COST TO THE CONTRACTOR OF ONE HUNDRED DOLLARS (\$100) PER CALIPER INCH ON AN ESCALATING SCALE WHICH ADDS AN ADDITIONAL TWENTY (20) PER CENT PER INCH OVER FOUR (4 INCHES CALIPER AS FIXED AND AGREED LIQUIDATED DAMAGES. CALIPER SHALL BE MEASURED SIX (6) INCHES ABOVE GROUND LEVEL FOR TREES UP TO AND INCLUDING FOUR (4) INCHES IN CALIPER AND TWELVE (12) INCHES ABOVE GROUND LEVEL FOR TREES OVER FOUR (4) INCHES IN CALIPER

D. MATERIALS

SAMPLES OF MATERIALS AS LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL, ON THE SITE OR AS OTHERWISE DETERMINED BY THE OWNER. UPON APPROVAL OF SAMPLES, DELIVERY OF

MATERIALS SAMPLES MULCH ONE (1) CUBIC FOO TOPSOIL ONE (1) CUBIC YARD

PLANTS ONE (1) OF EACH VARIETY

A. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. NOMENCLATURE SHALL CONFORM TO STANDARDIZED PLANT NAMES, 1942 EDITION. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS AS STATED IN THE LATEST EDITION OF MERICAN STANDARD FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERYMEN. ALL PLANTS SHALL BE FRESHLY DUG, SOUND, HEALTHY, VIGOROUS, WELL-BRANCHED AND FREE OF DISEASE AND INSECTS INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY UPON THE APPROVAL OF THE OWNER.

B. MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPROVED, THE BALL OF EARTH OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PLANT

C. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY: SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF BALLS OR ROOTS. ATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.

E. TOPSOIL

1. ASTM D5268, NATURAL, FRIABLE, FERTILE, FINE LOAMY SOIL POSSESSING CHARACTERISTICS OF REPRESENTATIVE TOPSOIL IN THE VICINITY THAT PRODUCES HEAVY GROWTH. TOPSOIL SHALL HAVE A PH RANGE OF 5.5 TO 7.4 PERCENT, FREE FROM SUBSOIL, OBJECTIONABLE WEEDS, LITTER, SODS, STIFF CLAY, STONES LARGER THAN 1-INCH IN DIAMETER, STUMPS, ROOTS, TRASH, HERBICIDES, TOXIC SUBSTANCES, OR ANY OTHER MATERIAL WHICH MAY BE HARMFUL TO PLANT GROWTH OR HINDER PLANTING OPERATIONS TOP SOIL SHALL CONTAIN A MINIMUM OF THREE PERCENT ORGANIC MATERIAL

2. SALVAGED OR EXISTING TOPSOIL: REUSE SUITABLE TOPSOIL STOCKPILED ON-SITE OR EXISTING TOPSOIL UNDISTURBED BY GRADING OR EXCAVATION OPERATIONS. CLEAN TOPSOIL OF ROOTS, PLANTS, SOD, STONES, CLAY LUMPS, AND OTHER EXTRANEOUS MATERIALS HARMFUL TO PLANT GROWTH.

3. VERIFY AMOUNT OF SUITABLE TOPSOIL STOCKPILED IF ANY, AND SUPPLY ADDITIONAL IMPORTED TOPSOIL AS NEEDED. FOUR (4) INCHES OF TOPSOIL TO BE PROVIDED FOR ALL TURF AREAS. TWENTY FOUR (24) INCHES OF TOPSOIL TO BE PROVIDED FOR ALL PLANTING AREAS WITHIN INTERIOR LANDSCAPE ISLANDS AND FOUNDATION PLANTINGS. FOR ALL OTHER PLANTING AREAS, TWELVE (12) INCHES OF TOPSOIL MINIMUM TO

4. IMPORTED TOPSOIL: SUPPLEMENT SALVAGED TOPSOIL WITH IMPORTED TOPSOIL FROM OFF-SITE SOURCES

5. OBTAIN TOPSOIL DISPLACED FROM NATURALLY WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT LEAST 6 INCHES DEEP: DO NOT OBTAIN FROM AGRICULTURAL LAND, BOGS, OR MARSHES 6. VERIFY BORROW AND DISPOSAL SITES ARE PERMITTED AS REQUIRED BY STATE AND LOCAL REGULATIONS.

OBTAIN WRITTEN CONFIRMATION THAT PERMITS ARE CURRENT AND ACTIVE 7. OBTAIN PERMITS REQUIRED BY STATE AND LOCAL REGULATIONS FOR TRANSPORTING TOPSOIL. PERMITS SHALL BE CURRENT AND ACTIVE.

8. AMEND EXISTING AND IMPORTED TOPSOIL AS INDICATED BELOW. a. ORGANIC SOIL AMENDMENTS

1 MANURE: WELL-ROTTED LINEFACHED STABLE OR CATTLE MANURE CONTAINING NOT MORE THAN 25 PERCENT BY VOLUME OF STRAW SAWDUST OR OTHER BEDDING MATERIALS: FREE OF TOXIC SUBSTANCES, STONES, STICKS, SOIL, WEED SEED, AND MATERIAL HARMFUL TO

3. COMPOST: DECOMPOSED ORGANIC MATERIAL INCLUDING LEAF LITTER, MANURE, SAWDUST, PLANT TRIMMINGS AND/OR HAY, MIXED WITH SOIL.

4. PECAN HULLS: COMPOSTED PECAN HULLS FOR LOCAL SOURCE. 5. BIOSOLIDS: USE GRADE 1 CONTAINING LOWER PATHOGEN LEVELS.

6. WORM CASTINGS: EARTHWORMS.

b. INORGANIC SOIL AMENDMENTS

1. LIME: ASTM C602, CLASS O AGRICULTURAL LIMESTONE CONTAINING A MINIMUM OF 80 PERCENT CALCIUM CARBONATE EQUIVALENT WITH A MINIMUM OF 95 PERCENT PASSING NO. 8 SIEVE AND MINIMUM OF 55 PERCENT PASSING NO. 60 SIEVE.

2. SULFUR: GRANULAR, BIODEGRADABLE, CONTAINING A MINIMUM OF 90 PERCENT SULFUR, /ITH A MINIMUM OF 99 PERCENT PASSING NO. 6 SIEVE AND A MAXIMUM OF 10 PERCENT

3. IRON SULFATE: GRANULATED FERROUS SULFATE CONTAINING A MINIMUM OF 20 PERCENT

4. AGRICULTURAL GYPSUM: FINELY GROUND, CONTAINING A MINIMUM OF 90 PERCENT CALCIUM

5. SAND: CLEAN, WASHED, NATURAL OR MANUFACTURED, FREE OF TOXIC MATERIALS.

c. PLANTING SOIL MIX

1. PLANTING MIX MAY BE PROVIDED BY LIVING EARTH OR MINICK MATERIALS OR APPROVED

2. PLANTING MEDIUM CONTAINING 75 PERCENT SPECIFIED TOPSOIL MIXED WITH 15 PERCENT RGANIC SOIL AMENDMENTS AND 10 PERCENT SHARP WASHED SAND. INSTALL TO DEPTHS PER PLANTING DETAILS (12" MIN.) FINISHED GRADES OF PLANTING BEDS TO BE 2" BELOW FINISHED GRADE OF ADJACENT PAVING OR AS SHOWN ON GRADING PLAN.

2. SOD/SEED AREA TOPSOIL ALL SOD AREAS TO RECEIVE 4" DEPTH (MIN) TOPSOIL PRIOR TO INSTALLATION. TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, WITH 25% (MIN.) ORGANIC MATERIAL, AND FREE OF TRASH, DEBRIS, STONES, WEEDS, AND TWIGS/BRANCHES. THE PARTICLE SIZES SHALL BE SUCH THAT 98.5% OF THE TOPSOIL WILL PASS THROUGH A 1/2 INCH SCREEN, AND 99% MORE SHALL PASS THROUGH A 3/4 INCH SCREEN. TOPSOIL SHALL BE REVIEWED/APPROVED BY OWNER/LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. CONTRACTOR TO SUBMIT SAMPLES IN 1 GAL (MIN.) CONTAINER.

WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN AN ADEQUATE GROWTH OF PLANTS AND SHALL NOT CONTAIN HARMFUL. NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE

FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC. IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SUCH SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER. I. COMMERCIAL FERTILIZER

COMMERCIAL FERTILIZER SHALL BE A COMPLETE FORMULA: IT SHALL BE UNIFORM IN COMPOSITION. DRY AND FREE FLOWING. THIS FERTILIZER SHALL BE DELIVERED TO THE SITE IN THE ORIGINAL UNOPENED CONTAINERS, EACH BEARING THE MANUFACTURER'S GUARANTEED STATEMENT OF ANALYSIS. FIFTY PERCENT (50%) OF THE NITROGEN SHALL BE DERIVED FROM NATURAL ORGANIC SOURCES. THE FOLLOWING FERTILIZERS SHALL BE USED AND APPLIED AT RATES AS SUGGESTED BY MANUFACTURER'S

1. SHRUBS AND TREES - MILORGANITE, OR APPROVED EQUAL 2. ANNUALS AND GROUNDCOVERS - OSMOCOTE/SIERRA BLEND 14-14-14 3. SOD - 8-8-8 FERTILIZER

IN ADDITION TO SURFACE APPLIED FERTILIZERS. ALL CONTAINER GROWN AND FIELD GROWN PLANT MATERIAL SHALL RECEIVE "AGRIFORM" PLANTING TABLETS 24-10-5 FORMULA, 21 GRAM OR EQUAL. THESE TABLETS SHALL BE PLACED AT A DEPTH OF ROOT BALL AT THE RATE AS SPECIFIED BY MANUFACTURER.

MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A DEPTH OF 3 INCHES. SEE PLANT LIST FOR TYPE OF MATERIAL

1. PROTECT ROOTS OR BALLS OF PLANTS AT ALL TIMES FROM SUN AND DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT BREAKAGE AND DRYING OUT DURING TRANSIT. TREES TRANSPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO SITE SHALL BE SPRAYED VITH AN ANTI-TRANSPIRANT PRODUCT ("WILTPRUF" OR EQUAL) TO MINIMIZE TRANSPIRATIONAL WATER LOSS.

2. BALLED AND BURLAPPED PLANTS (B&B) SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROOTS OF THE PLANTS. NO PLANTS MOVED WITH A BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS BALLED AND BURLAPPED OR CONTAINER GROWN SHALL NOT BE HANDLED BY STEMS.

3. PLANTS MARKED "BR" IN THE PLANT LIST SHALL BE DUG WITH BARE ROOTS. THE ROOTS SHALL NOT BE CUT WITHIN THE MINIMUM SPREAD SPECIFIED IN THE PLANT LIST. CARE SHALL BE EXERCISED THAT THE ROOTS DO NOT DRY OUT IN MOVING AND PRIOR TO PLANTING

4 PROTECTION OF PALMS (IF APPLICABLE): ONLY A MINIMUM OF FRONDS SHALL BE REMOVED FROM THE CROWN OF THE PALM TREES TO FACILITATE MOVING AND HANDLING. CLEAR TRUNK (CT) SHALL BE AS SPECIFIED AFTER THE MINIMUM OF FRONDS HAVE BEEN REMOVED. ALL PALMS SHALL BE BRACED

5. EXCAVATION OF TREE PITS SHALL BE DONE USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS AND

M CONTAINER GROWN STOCK

1. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS AND ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION 2. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.

3. PLANT ROOTS BOUND IN CONTAINERS SHALL NOT BE ACCEPTABLE.

4. SUBSTITUTION OF NON-CONTAINER GROWN MATERIAL FOR MATERIAL EXPLICITLY SPECIFIED TO BE CONTAINER GROWN WILL NOT BE PERMITTED UNLESS WRITTEN APPROVAL IS OBTAINED FROM THE OWNER

WHEN THE USE OF COLLECTED STOCK IS PERMITTED AS INDICATED ON THE PLANT LIST SCHEDULE THE MINIMUM SIZES OF ROOTBALLS SHALL BE EQUAL TO THAT SPECIFIED FOR THE NEXT LARGER SIZE OF NURSERY GROWN STOCK OF THE SAME VARIETY. O. NATIVE STOCK

PLANTS COLLECTED FROM WILD OR NATIVE STANDS SHALL BE CONSIDERED NURSERY GROWN WHEN THEY HAVE BEEN SUCCESSFULLY REESTABLISHED IN A NURSERY ROW AND GROWN UNDER REGULAR NURSERY CULTURAL PRACTICES FOR A MINIMUM OF TWO (2) GROWING SEASONS AND HAVE ATTAINED ADEQUATE ROOT AND TOP GROWTH TO INDICATE FULL RECOVERY FROM TRANSPLANTING INTO THE NURSERY ROW.

QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR, QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR WNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE BIDDERS TAKE OFF AND THE PLANT LIST QUANTITY, THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO THE SUBMISSIONS OF BIDS. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE

1. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. BERMING AS SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR, UNLESS OTHERWISE NOTED. 2. THE LANDSCAPE CONTRACTOR SHALL FINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR THICKNESS OF SOD AND/OR MULCH DEPTH THIS CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A

GRADING TRACTOR WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE. 3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS.

R. PLANTING PROCEDURES

1 CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN UP WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER. ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH. HE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT OR OWNER. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.

2 VERIEY LOCATIONS OF ALL LITHLITES CONDUITS SUPPLY LINES AND CABLES INCLUDING BUT NOT LIMITED TO: ELECTRIC, GAS (LINES AND TANKS), WATER, SANITARY SEWER, STORMWATER LINES, CABLE AND ELEPHONE. PROPERLY MAINTAIN AND PROTECT EXISTING UTILITIES.

3. SUBGRADE EXCAVATION: SITE CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36". SITE CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY SITE CONTRACTOR, AND POSITIVE DRAINAGE CAN NOT BE ACHIEVED, LANDSCAPE CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT OR OWNER

4. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS HEREIN SPECIFIED AND REQUIRED. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING

5, GENERAL: COMPLY WITH APPLICABLE FEDERAL. STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. PLANTS SHALL BE PROTECTED UPON ARRIVAL AT THE SITE BY BEING THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS SHALL NOT REMAIN UNPROTECTED FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES WORKMANLIKE METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED.

6. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE THE PLANTING WITH THE IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION ITEMS AND PLANTS.

7. ALL PLANTING PITS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH THE USA STANDARD FOR NURSERY STOCK 260.1, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACKFILLED WITH THE PREPARED PLANTING SOIL AS SPECIFIED HEREIN BEFORE (SECTION H). TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. IF POOR DRAINAGE EXISTS, UTILIZE PLANTING DETAIL THAT ADDRESSES THIS CONDITION. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW. FULL HOSE STREAM ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURE AND UNDER THE SUPERVISION OF A QUALIFIED PLANTING FOREMAN. PROPER "JETTING IN" SHALL BE ASSURED TO ELIMINATE AIR POCKETS AROUND THE ROOTS. "JET STICK" OR EQUAL IS RECOMMENDED.

8. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES.

9. SOIL MIXTURE SHALL BE AS SPECIFIED IN SECTION H OF THESE SPECIFICATIONS. IN ADDITION, EACH PLANTING PIT SHALL RECEIVE 21-GRAM "AGRIFORM" PLANTING TABLETS PER MANUFACTURER'S SPECIFICATIONS OR AS FOLLOWS:

TWO (2) TABLETS PER 1 GAL. PLANT - FOUR (4) TABLETS PER 10 GAL, PLANT

- LARGER MATERIAL - TWO (2) TABLETS PER 1/2" OF TRUNK CALIPER 10. TREES AND SHRUBS SHALL BE SET STRAIGHT AND AT SUCH A LEVEL THAT AFTER SETTLEMENT. THE PLANT CROWN WILL STAND ONE (1) TO TWO (2) INCHES ABOVE GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PIT. PLANTING SOIL MIXTURE SHALL BE BACKFILLED AND THOROUGHLY TAMPED

AROUND THE BALL AND SHALL BE SETTLED BY WATER AFTER TAMPING. 11 FILL HOLF WITH SOIL MIXTURE MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES. STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET. ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE, ONLY WITH MULCH. ALL BURLAP, ROPE, WIRES, ETC., SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH.

12. PRUNING: EACH TREE SHALL BE PRUNED TO PRESERVE THE NATURAL CHARACTER OF THE PLANT AS SHOWN ON THE DRAWINGS. ALL SOFT WOOD OR SUCKER GROWTH AND ALL BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT.

13. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 6", REMOVE AND DISPOSE ALL DEBRIS. TILL INTO TOP 4" THE PLANTING SOIL MIX AS SPECIFIED IN SECTION E. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.

14. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE LANDSCAPE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO INSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE LANDSCAPE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING OF THEIR INTENTIONS AND AGREE TO HOLD HARMLESS THE LANDSCAPE ARCHITECT IN THE EVENT ANY TREES FALL DOWN AND DAMAGE PERSON OR

15. MULCHING: PROVIDE A THREE (3) INCH MINIMUM LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA OF EACH SHRUB BED, GROUND COVER AND VINE BED AND TREE PIT 16. HERBICIDE WEED CONTROL: ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. IF DIRECTED BY THE OWNER, "ROUND-UP" SHALL BE APPLIED FOR WEED CONTROL BY QUALIFIED PERSONNEL TO ALL PLANTING AREAS IN SPOT APPLICATIONS PER MANUFACTURER'S PRECAUTIONS AND SPECIFICATIONS. PRIOR TO FINAL INSPECTION, TREAT ALL PLANTING BEDS WITH AN APPROVED PRE-EMERGENT HERBICIDE AT AN APPLICATION RATE RECOMMENDED BY THE MANUFACTURER

S. LAWN SODDING

1. THE WORK CONSISTS OF LAWN BED PREPARATION, SOIL PREPARATION, AND SODDING COMPLETE, IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE APPLICABLE DRAWINGS TO PRODUCE A GRASS LAWN ACCEPTABLE TO THE OWNER.

2 LAWN BED PREPARATION: ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROUGH GRASS. WEEDS, AND DEBRIS, AND THE GROUND BROUGHT TO AN EVEN GRADE. THE WHOLE SURFACE SHALL BE ROLLED WITH A ROLLER WEIGHING NOT MORE THAN ONE-HUNDRED (100) POUNDS PER FOOT OF WIDTH. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT OF ROLLING SHALL BE FILLED WITH ADDITIONAL SOIL. AND THE SURFACE SHALL BE REGRADED AND ROLLED UNTIL

PRESENTING A SMOOTH AND EVEN FINISH THAT IS UP TO THE REQUIRED GRADE. 3 SOIL PREPARATION: PREPARE LOOSE BED FOUR (4) INCHES DEEP. APPLY FERTILIZER AT RATE OF TWENTY (20) POUNDS PER ONE THOUSAND (1000) SQUARE FEET. APPLICATION SHALL BE UNIFORM. UTILIZING APPROVED MECHANICAL SPREADERS. MIX FERTILIZER THOROUGHLY WITH THE SOIL TO A PEPTH OF THREE (3) INCHES. HAND RAKE UNTIL ALL BUMPS AND DEPRESSIONS ARE REMOVED. WET PREPARED AREA THOROUGHLY 4. SODDING

A. THE CONTRACTOR SHALL SOD ALL AREAS THAT ARE NOT PAVED OR PLANTED AS DESIGNATED ON THE DRAWINGS WITHIN THE CONTRACT LIMITS, UNLESS SPECIFICALLY NOTED OTHERWISI B. THE SOD SHALL BE CERTIFIED TO MEET THE STATE PLANT BOARD SPECIFICATIONS. ABSOLUTELY TRUE TO VARIETAL TYPE, AND FREE FROM WEEDS, FUNGUS, INSECTS AND DISEASE OF ANY KIND. C. SOD PANELS SHALL BE LAID TIGHTLY TOGETHER SO AS TO MAKE A SOLID SODDED LAWN AREA SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS PAVED AND PLANTED AREAS. ADJACENT TO BUILDINGS, A FOUR INCH MULCH STRIP SHALL BE PROVIDED. IMMEDIATELY FOLLOWING SOD LAYING, THE LAWN AREAS SHALL BE ROLLED WITH A LAWN ROLLER CUSTOMARILY USED FOR SUCH PURPOSES, AND THEN THOROUGHLY IRRIGATED. IF, IN THE OPINION OF THE OWNER, TOP-DRESSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, CLEAN SAND AS APPROVED BY THE ANDSCAPE ARCHITECT OR OWNER SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN.

D. DURING DELIVERY, PRIOR TO AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY SWEATING OR EXCESSIVE

A. PROVIDE FRESH, CLEAN, NEW CROP LAWN SEED MIXTURE. FURNISH TO OWNER DEALERS GUARANTEED STATEMENT OF COMPOSITION OF MIXTURE AND PERCENTAGE OF PURITY AND GERMINATION OF EACH VARIETY.

B. SEED MIXTURE: PROVIDE SEED OF GRASS SPECIES AND VARIETIES, PROPORTIONS BY WEIGHT AND MINIMUM PERCENTAGES OF PURITY, GERMINATION, AND MAXIMUM PERCENTAGE OF WEED SEED. SEED MIXTURES VARY BY REGION AND SEASON AND SHALL COMPLY WITH STATE DO AND LOCAL SOIL CONSERVATION SERVICE STANDARDS FOR LAWN TURE

C. DO NOT PERFORM SEEDING IN WINDY CONDITIONS.

D. SEEDING SHALL BE DISPERSED IN 2 DIRECTIONS AT RIGHT ANGLES TO EACH OTHER.

E. PERMANENTLY SEED AND MULCH CUT AND FILL SLOPES AS CONSTRUCTION PROCEEDS TO EXTENT CONSIDERED DESIRABLE AND PRACTICAL IN THE EVENT IT IS NOT PRACTICAL TO SEED AREAS, SLOPES SHALL BE STABILIZED WITH STRAW MULCH AND TACKIFIER, BONDED FIBER MATRIX, NETTING, BLANKETS OR OTHER MEANS TO REDUCE THE EROSIVE POTENTIAL OF THE AREA.

E SEED LAWN AREAS BY SOWING EVENLY WITH APPROVED MECHANICAL SEEDER AT RATE OF MINIMUM OF 6 POUNDS PER 1,000 SQUARE FEET, AMOUNT WILL VARY BASED ON VARIETY AND/OR SPECIES, CULTI-PACKER OR APPROVED SIMILAR EQUIPMENT MAY BE USED TO COVER SEED AND TO FORM SEEDBED IN ONE OPERATION. IN AREAS INACCESSIBLE TO CUTI-PACKER, LIGHTLY RAKE SEEDED GROUND WITH FLEXIBLE RAKES AD ROLL WITH WATER BALLAST ROLLER. AFTER ROLLING, MULCH WITH STRAW MULCH AT THE RATE OF 2 TONS PER ACRE.

G. SURFACE LAYER OF SOIL FOR SEEDED AREAS SHALL BE KEPT MOIST DURING GERMINATION PERIOD. WATER SEEDED AREAS TWICE FIRST WEEK TO MINIMUM DEPTH OF 6 INCHES WITH FINE SPRAY AND ONCE PER WEEK THEREAFTER AS NECESSARY TO SUPPLEMENT NATURAL RAIN TO EQUIVALENT OF 6 INCHES DEPTH.

H. CONTRACTOR TO REAPPLY SEED AS NECESSARY IN ORDER TO GET ALL SEEDED AREAS ESTABLISHED AS

6. LAWN MAINTENANCE:

A. WITHIN THE CONTRACT LIMITS, THE CONTRACTOR SHALL PRODUCE A DENSE, WELL ESTABLISHED LAWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE-SODDING OF ALL ERODED, SUNKEN OR BARE SPOTS UNTIL CERTIFICATION OF ACCEPTABILITY BY THE LANDSCAPE ARCHITECT OR OWNER REPAIRED SODDING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK (INCLUDING REGRADING IF

B. WATER EVERY DAY FOR TEN (10) SUCCESSIVE DAYS. THEN WATER THREE (3) TIMES PER WEEK (AT EVEN INTERVALS) FOR TWO (2) ADDITIONAL WEEKS. ALL WATERING SHALL BE OF SUFFICIENT QUANTITY D WET OR RESTORE WATER TO DEPTH OF FOUR (4) INCHES. CONTRACTOR TO DETERMINE IF SITE IS IN A

DROUGHT RESTRICTION AREA AND MUST FOLLOW CITY/ COUNTY PROTOCOL IF ANY ARE IN PLACE. UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE. THE CONTRACTOR SHALL

REMOVE ALL MATERIAL. EQUIPMENT. AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALI BE BROOM CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

U. PLANT MATERIAL MAINTENANCE

ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING. CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING GUY SUPPORTS) NECESSARY TO INSURE A HEALTHY CONDITION BY THE CONTRACTOR UNTIL CERTIFICATION OF ACCEPTABILITY BY THE LANDSCAPE ARCHITECT OR OWNER, MAINTENANCE AFTER THE CERTIFICATION OF ACCEPTABILITY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS IN THIS SECTION. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE TO COVER LANDSCAPE AND IRRIGATION MAINTENANCE FOR A PERIOD OF 90 CALENDAR DAYS COMMENCING AFTER ACCEPTANCE.

/. MAINTENANCE (ALTERNATE BID ITEM 1. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE FOR MAINTENANCE FOLLOWING THE INITIAL 90-DAY MAINTENANCE PERIOD ON A COST PER MONTH BASIS.

1. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE GUARANTEED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE LANDSCAPE

2. THE LIFE AND SATISFACTORY CONDITION OF ALL OTHER PLANT MATERIAL (INCLUDING SOD) INSTALLED Y THE LANDSCAPE CONTRACTOR SHALL BE GUARANTEED BY THE CONTRACTOR FOR A MINIMUM OF 90 CALENDAR DAYS. COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE LANDSCAPE ARCHITECT OR OWNER.

3. REPLACEMENT: ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE GUARANTEE PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED UNDER "PLANTING", AT NO ADDITIONAL COST TO THE OWNER. 4 IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE (AND

IRRIGATION) MAINTENANCE. THE CONTRACTOR IS ENCOURAGED TO VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER, AND SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTH PLANT GROWTH. IT IS SUGGESTED SUCH SITE VISITS SHALL BE CONDUCTED A MINIMUM OF ONCE PER MONTH FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE.

X. FINAL INSPECTION AND ACCEPTANCE OF WORK

FINAL INSPECTION AT THE END OF THE GUARANTEE PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIM SHALL BE SUBJECT TO THE SAME ONE (1) YEAR GUARANTEE (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.

## PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	SPECIFICATIONS	REMARKS
TREES					
	QT	17	Quercus texana / Texas Red Oak	4" cal, 16` ht, 5`-6` spr	Full, Straight, Single Leader
	QV	22	Quercus virginiana / Southern Live Oak	4" cal, 16` ht, 5`-6` spr	Full, Straight, Single Leader
	UC	11	Ulmus crassifolia / Cedar Elm	4" cal, 15` ht, 6` spr	Full, Straight, Single Leader
	UP	12	Ulmus parvifolia / Lacebark Elm	4" cal, 15` ht, 6` spr	Full, Straight, Single Leader
ORNAMEN	ITAL TRE	<u>E</u>			
	СТ	21	Cercis canadensis / Eastern Redbud	4" cal, 14` ht, 6` spr	Full, Single Leader
	Ю	16	Ilex decidua / Possumhaw Holly	4" cal, 12` ht, 4` spr	Full, Multi-Trunk
	VC	20	Vitex agnus-castus / Chaste Tree	8` ht, 5` spr	Full, Multi-Trunk
SHRUBS					
& O o	ILB	59	Ilex cornuta `Burfordii` / Burford Holly	36" ht, 30" spr, 42" oc	Full
GRASSES (+)	NAS	90	Nassella tenuissima / Mexican Feather Grass	18" ht, 24" oc	Full
GROUND (	COVERS				
TINE IN THE	ECG	1,931 sf	Eragrostis curvula / Weeping Lovegrass	18" ht, 36" oc	Full
7//////	EUF	1,059	Euonymus fortunei `Coloratus` / Purple-leaf Winter Creeper	8" ht, 8" spr, 18" oc	Full, 1 gallon min.
	LIR	203	Liriope muscari / Liriope	12" ht, 12" spr, 18" oc	Full, 1 gallon min.

NOTE: PLANT QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY. IN THE CASE OF A DISCREPANCY, THE DRAWING SHALL TAKE PRECEDENCE.

NOTE: PLANTS ARE SPECIFIED BY HEIGHT AND SPREAD, NOT CONTAINER SIZE. ALL PLANTINGS ARE EXPECTED TO MEET ALL SPECIFICATIONS PROVIDED.

ANY REVISION TO THIS PLAN WILL REQUIRE CITY OF FRISCO APPROVAL AND WILL REQUIRE REVISIONS TO ANY CORRESPONDING PLANS TO AVOID CONFLICTS BETWEEN

PLANTING NOTES

1. ALL PLANT MATERIAL SHALL BE INSTALLED ACCORDING TO SOUND NURSERY PRACTICES AND SHALL MEET ALL STANDARDS AS STATED IN THE LATEST EDITION OF "AMERICAN STANDARD FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERYMEN.

THE EVENT OF DISCREPANCIES BETWEEN THE DRAWING AND THE PLANT LIST, THE DRAWING SHALL PREVAIL

3. LOCATE ALL UTILITIES PRIOR TO ANY DIGGING OPERATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO EXISTING UTILITIES INCURRED BY HIS WORK.

4. REFERENCE IRRIGATION PLAN FOR BED IRRIGATION INFORMATION.

5. STAKING AND GUYING ALTERNATIVES: METHODS INDICATED IN DRAWING DETAILS ARE PREFERRED. CONTRACTOR MAY SUGGEST ALTERNATE METHODS, ASSUMING FULL RESPONSIBILITY FOR THEIR IMPLEMENTATION. CONTRACTOR SHALL REPLACE, PLANT, OR UPRIGHT ANY TREES BLOWN OVER OR DAMAGED DUE TO INADEQUATE STAKING AT NO ADDITIONAL COST TO THE OWNER.

6. PLANTS MASSED IN BEDS SHALL BE ARRANGED USING TRIANGULAR SPACING.

7. PROVIDE A STEEL EDGE OR CONCRETE MOW STRIP BETWEEN ALL PLANTING BEDS AND LAWN AREAS. REFERENCE SITE PLAN.

8. ALL PLANTING BEDS TO BE TOP DRESSED WITH A MINIMUM OF 3" SHREDDED HARDWOOD MULCH. UNLESS OTHERWISE SPECIFIED

9. PROVIDE GRASS SEEDING OR LAY BERMUDA SOD FOR PROPOSED LAWN AREAS TO ALL EDGES OF PAVEMENT AND/OR LIMITS OF DISTURBANCE OUTSIDE R.O.W. OR PROPOSED LANDSCAPE EASEMENT. PROVIDE IRRIGATION AS NECESSARY

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL LANDSCAPING UNTIL FINAL ACCEPTANCE. ALL REQUIRED ANDSCAPING SHALL BE MAINTAINED IN A NEAT AND ORDERLY MANNER AT ALL TIMES. THE WORK SHALL INCLUDE, BUT NOT TO BE LIMITED TO MOWING EDGING PRUNING FERTILIZING WATERING WEEDING AND OTHER SUCH ACTIVITIES COMMON TO THE MAINTENANCE OF LANDSCAPING. ALL PLANT MATERIALS SHALL BE MAINTAINED IN A HEALTHY AND GROWING CONDITION AS IS APPROPRIATE FOR THE SEASON OF THE YEAR. PLANT MATERIAL THAT DIES SHALL BE REPLACED WITH THE PLANT MATERIAL OF SIMILAR SIZE AND VARIETY.

11. CONTRACTOR SHALL WARRANTY PLANT MATERIAL TO REMAIN ALIVE AND HEALTHY FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE. WARRANTY SHALL NOT INCLUDE DAMAGE FOR LOSS OF PLANT MATERIAL DUE TO NATURAL CAUSES. ACTS OF VANDALISM

12. ALL DISTURBED AREAS WITHIN LIMITS OF CONSTRUCTION NOT CALLED TO BE SODDED, SHALL BE REESTABLISHED WITH BERMUDA SOD

13. ALL LANDSCAPE BEDS TO HAVE TOPSOIL/BEDDING MIX THAT MEETS LANDSCAPE SPECIFICATIONS. INSTALL TO DEPTHS, PER PLANTING DETAILS (12" DEPTH MIN.) FINISHED GRADES OF PLANTING BEDS TO BE 2" BELOW FINISHED GRADE OF ADJACENT PAVING OR AS SHOWN ON

14. ALL SOD AREAS TO RECEIVE 4" DEPTH (MIN) TOPSOIL PRIOR TO INSTALLATION. TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, pH RANGE

15. ALL DISTURBED AREAS IN R.O.W. TO BE RE-ESTABLISHED WITH BERMUDA SEED OR SOD AND IRRIGATED UNLESS OTHERWISE SHOWN ON

Know what's **below.** 

Call before you dig.

OF 5.5-7.4. AND FREE OF TRASH, DEBRIS, STONES, WEEDS, AND TWIGS/BRANCHES.

16. ALL TREES TO BE PLACED A MINIMUM OF 4' FROM ANY UTILITY.

FUEL CITY - ROCKWALL LOT 2, BLOCK A CORNERSTONE COMMUNITY CHURCH 4.34 ACRES N. BUTLER SURVEY ABSTRACT NO. 20 City of Rockwall, Rockwall County, Texas

Current Zoning: C (Commerical District)

SITE PLAN FOR

Proposed Land Use: Gas Station / Car Wash Submitted: May 16th, 2025 <u> Architect:</u> <u>Developer:</u> Carroll Architects

Dallas, Texas 75207

Rockwall, Texas 75087

Phone: 972-732-6085

Contact: Glennon Langston

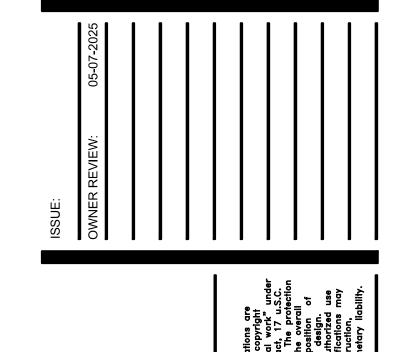
Kimley—Horn and Associates. Inc. 750 E. Interstate 30, Ste. 110 801 S. Riverfront Boulevard,00 225 É. John W Carpenter FWY, Irving, Texas 75062 Contact: Joseph Bickham Phone: 469-203-0159 Contact: Jared Earney, P.E. Phone: 214-420-5600

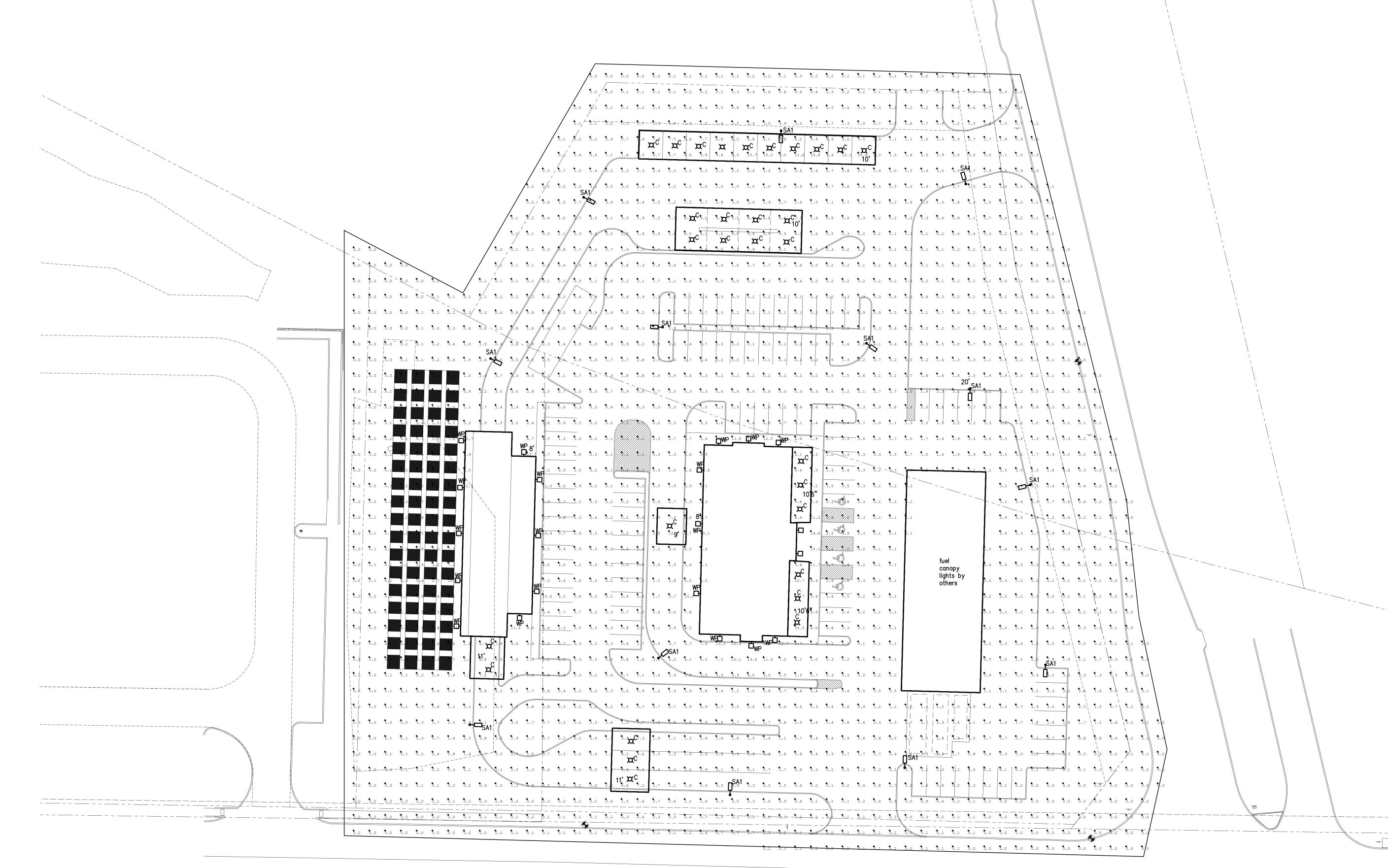
PRELIMINARY FOR REVIEW ONLY **Kimley** »Horn P.L.A. NIKOLAUS B. ADAMS L.A. No. 3404 Date 5/15/2025

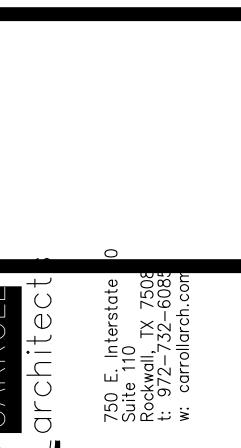
SHEET NUMBER

\_P 3.03

Luminaire Lumens	Luminaire Watts	Total Watts	Mounting Height
3363	25	750	9, 10, 10.5, 11
12479	86	1118	20
6073	43	903	8
		•	



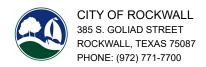




SITE PHOTOMETRIC PLAN

				DATE:		SHEET NO:	
	1		•	1	MAY 2025		
IFTE	Engir	es F. T neers,	L.P.	PROJECT NO:	2024074	EU.	.(
	8340 Mead	<b>ng Engine</b> ow Rd. Suit exas 75231 50-2900	e 160	DRAWN BY:	GL		
		Job ATION # <u>103</u> 4	#: <u>35920</u>	CHECKED BY:			
DRAWN/DESIGN	TJM	QC/APPD	TJM				

# PROJECT COMMENTS



DATE: 5/23/2025

PROJECT NUMBER: SP2025-021

PROJECT NAME: Site Plan for Fuel City SITE ADDRESS/LOCATIONS: 490 S JOHN KING BLVD

CASE CAPTION: Discuss and consider a request by Jared Earney of Kimley-Horn on behalf of Joseph Bickham of Fuel City for a Site Plan for a Retail

Store with Gasoline Sales on a 4.34-acre tract of land identified as a portion of Tract 3 and all of Tract 4-06 of the N. Butler Survey, Abstract 20, City of Rockwall, Rockwall County, Texas, zoned Commercial (C) District, situated within the SH-205 By-Pass Overlay

(SH-205 BY OV) District, generally located at the northwest corner of the intersection of Airport Road and John King Boulevard, and

take any action necessary.

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT	
PLANNING	Henry Lee	05/23/2025	Needs Review	

05/23/2025: Please address the following comments (M= Mandatory Comments; I = Informational Comments)

- I.1 This is a request for the approval of a Site Plan for a Retail Store with Gasoline Sales on a 4.34-acre tract of land identified as a portion of Tract 3 and all of Tract 4-06 of the N. Butler Survey, Abstract 20, City of Rockwall, Rockwall County, Texas, zoned Commercial (C) District, situated within the SH-205 By-Pass Overlay (SH-205 BY OV) District, generally located at the northwest corner of the intersection of Airport Road and John King Boulevard.
- 1.2 For guestions or comments concerning this case please contact Henry Lee in the Planning Department at (972) 772-6434 or email hlee@rockwall.com.
- M.3 For reference, include the case number (SP2025-021) in the lower right-hand corner of all pages of all revised plan submittals. (Subsection 01.02(D), Article 11, UDC)
- 1.4 The subject property will be required to be plat in order to establish easements and establish new lot lines.
- M.5 Provide the standard signature block with signature space for the Planning and Zoning Chairman and the Planning Director on all pages of the plans. Also remove the red placeholder text from the signature block. (Subsection 03.04. A, of Article 11)

APPROVED:

I hereby certify that the above and foregoing site plan for a developme	ent in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwal
on the day of,	
WITNESS OUR HANDS, this day of,	
Planning & Zoning Commission, Chairman	Director of Planning and Zoning
. iaining a zermig eerminesien, enamian	2.1.00to 0.1.1.1.1.1.1.1.g 4.1.4 2011.1.g

M.6 Please provide a noise study for the car wash tunnel and the vacuum equipment. The Planning and Zoning Commission will want to ensure conformance to the City noise requirements. These requirements can be found within the City of Rockwall Municipal Code of Ordinances.

#### M.7 Site Plan.

- (1) Please include the total lot area, in acreage and square feet, within the site data table. (Subsection 03.04. B, of Article 11, UDC)
- (2) Please indicate the location of the vacuum equipment. (Subsection 01.06, of Article 05, UDC)
- (3) Fuel vents must be incorporated into the fuel canopy. (Subsection 02.03, of Article 04, UDC)
- (4) Please indicate the building setback along both street frontages. The font building setbacks are 15-feet. (Subsection 03.04.B, of Article 11, UDC)
- (5) Please indicate the fire lane as Fire Lane, Public Access, and Utility Easement. (Subsection 03.04. B, of Article 11, UDC)
- (6) The ten (10) foot sidewalk along John King Boulevard should meander. (Subsection 06.02, of Article 05, UDC)
- (7) Please include all of the proposed land uses within the parking table and indicate their required parking. (Subsection 05.01, of Article 06, UDC)
- (8) Please remove all signage from the site plan and building elevations. Signage is done through separate permits with the Building Inspections Department. (Subsection 06.02. F, of Article 05, UDC)
- (9) Please indicate any existing or proposed fencing. Please delineate the location and provide the material and height. (Subsection 08.02. F, of Article 08, UDC)
- (10) All roof mounted equipment must be crosshatched on the building elevations. This equipment must be fully screened. (Subsection 01.05.C, of Article 05, UDC)
- (11) All pad mounted equipment must be shown on the site plan. This equipment must be screened with five (5) gallon evergreen shrubs, which should be shown on the landscape plan. (Subsection 01.05.C, of Article 05, UDC)
- (12) Please provide a note that there shall no above ground storage tanks or outside storage, which includes vehicles. (Subsection 01.05. B, of Article 05, UDC)
- (13) Please provide a detail of the dumpster enclosure. In addition, the dumpster enclosure must be a minimum of eight (8) feet in height and use the same materials as the building. (Subsection 01.05. B, of Article 05, UDC)
- (14) All of the structures (i.e. C-Store, Fuel Canopy, Car Wash, Vacuum Bays) must be 150-feet from a residentially zoned or used property. Staff should note, that based on the zoning change that incorporated the northern portion of the subject property, it appears a portion of this property was left out of this request. The entire property must be shown and a remainder tract will not be permitted. (Subsection 01.06, of Article 05, UDC)
- (15) The OURHometown Vision 2040 Comprehensive Plan describes and depicts a Corner Enhancement Concept, where the purpose is to provide additional hardscape and landscape elements at intersections along John King Boulevard. Staff would recommend incorporating this element into the proposed project; doing so could be considered a compensatory measure. Please see the attached supplementary image from the comprehensive plan depicting a Corner Enhancement. (Appendix B, OURHometown Vision 2040 Comprehensive Plan)

#### M.8 Landscape Plan.

- (1) Provide the same site data information required in Section 2.1 Site Plan: Miscellaneous and Density and Dimensional Requirements of this checklist. (See Sec. 2.1 of the checklist)
- (2) A 20-foot residential adjacency buffer is required adjacent to the Agriculturally zoned property. Within this buffer either (1) a masonry wall with canopy trees on 20-foot centers, or (2) three (3) tiered landscaping must be provided. In addition, staff suggests a berm within this buffer. This will further attenuate any noise from the car wash and vacuum bays; this can also serve as a compensatory measure. (Subsection 05.01. B, of Article 08, UDC)
- (3) No parking, paving, or structures may be located within any landscape buffers; however, driveway approaches are permitted. (Subsection 05.01, of Article 08, UDC)
- (4) Any parking spaces that face onto a roadway must provide five (5) gallon evergreen shrubs in front of them to serve as headlight screening. (Subsection 05.02, of Article 08, UDC)
- (5) Please incorporate a legend on the Overall Landscape Plan that includes the icons utilized for the plantings. (Subsection 05.05. B, of Article 08, UDC)
- (6) Please delineate and label the sidewalks along John King Boulevard and Airport Road. (Subsection 05.01, of Article 08, UDC)
- (7) All shrubs shall be five (5) gallon. In addition, the landscape buffers along John King Boulevard and Airport Road must incorporate a shrub row. (Subsection 05.05. B, of Article 08, UDC)
- (8) Please delineate and label the landscape buffers along John King Boulevard and Airport Road. The landscape buffers are 25-feet. (Subsection 05.01, of Article 08, UDC)
- (9) Please delineate the required berms within the landscape buffers along John King Boulevard and Airport Road. (Subsection 06.02, of Article 05, UDC)
- (10) Vitex is not a permitted accent tree within the landscape buffers. Please propose a different accent tree species. (Appendix C, UDC)
- (11) Additional landscaping shall be provided in front of the car wash tunnel exist and along the entrance and exit driveways for the car wash. This is to reduce the headlight glare from impacting the adjacent properties, especially the adjacent future residential. The landscaping should take the form of evergreen shrubs and accent trees. (Subsection 05.02, of Article 08, UDC)
- (12) Please verify that all of the parking spaces are within 80-feet of a canopy tree. Specifically, it appears that not all of the parking in front of the C-Store meet this requirement. (Subsection 05.03. E. of Article 08. UDC)
- (13) The OURHometown Vision 2040 Comprehensive Plan indicates that this property should utilize a "Woodland Bottoms" landscape scheme. Woodland Bottoms can be described as "planting arrangements should be tight, informally grouped masses of native and adapted riparian canopy and understory trees designed to emulate the character of

the creek vegetation. These tree masses are to be set in native ornamental grasses to minimize the need for maintenance." Emulating this design would meet a Roadway Enhancement Concept described in our Comprehensive Plan; doing so could be considered a compensatory measure. (Appendix B, OURHometown Vision 2040 Comprehensive Plan)

(14) Please include a note that the irrigation will meet the requirements of the UDC. (Subsection 05.04, of Article 08, UDC)

#### M.9 Treescape Plan

- (1) Provide the same site data information required in Section 2.1 Site Plan: Miscellaneous and Density and Dimensional Requirements of this checklist. (See Sec. 2.1 of the checklist)
- (2) Per the landscape plan, 244 caliper inches of canopy trees will be planted on site. With a total mitigation balance of 883.5 inches, this is reduced to 639.5 based on the canopy trees planted. Accent trees do not count against the mitigation balance. Per the Unified Development Code (UDC), 80% of the mitigation balance must be planted on site. Given that only 27.62% are being planted on site, an Alternative Tree Mitigation Settlement Agreement must be requested; this requires approval from the City Council. With this you would be requesting to pay the remaining balance for a fee of \$63,950.00. (Section 05, of Article 09, UDC)

#### M.10 Photometric Plan

- (1) Provide the same site data information required in Section 2.1 Site Plan: Miscellaneous and Density and Dimensional Requirements of this checklist. (See Sec. 2.1 of the checklist)
- (2) Light levels shall not be greater than 0.2 FC at all property lines. Please correct the photometric plan to address this requirement. (Subsection 03.03, of Article 07, UDC)
- (3) Understand that if the under-canopy lighting is being done by others, it will be reviewed at the time of building permit. In addition, the building permit will not be released until the UDC standards are met. (Subsection 03.03, of Article 07, UDC)
- (4) Please provide the cut sheets for all of the proposed light fixtures. (Subsection 03.03, of Article 07, UDC)

#### M.11 Building Elevations

- (1) Please verify the directional for the building elevations. Specifically, the elevations for the C-Store appear to be mislabeled. (Subsection 03.04. A, of Article 11, UDC)
- (2) Please review the C-Store building elevations against the footprint on the site plan. Based on the shadow lines, they do not appear to match. (Subsection 03.04. A, of Article 11, UDC)
- (3) There appear to be two (2) different canopies in addition to the fuel canopy. Specifically, there is a canopy mislabeled as the Monument Sign. Please clarify what this is being used for. (Subsection 03.04. A, of Article 11, UDC)
- (4) Please delineate the fuel vents on the canopy elevations. (Subsection 02.03, of Article 04, UDC)
- (5) Nichiha is not a permitted building material within the Overlay Districts. (Subsection 06.02. C, of Article 05, UDC)
- (6) Cementitious materials may not exceed more than 50% on a façade. In this case, the multiple façades utilized greater than 50% cementitious materials. This will be a Variance. (Subsection 06.02.C, of Article 05, UDC)
- (7) Natural or quarried stone must be utilized on at least 20% on each façade. In this case, stone is not being proposed. This will be a Variance. (Subsection 06.02.C, of Article 05, UDC)
- (8) Please indicate the material percentages for all structures (i.e. the gas canopy, vacuum bay canopies, vacuum equipment building). (Subsection 04.01, of Article 05, UDC)
- (9) Please indicate that the backside of the parapet must be finished in the same material as the exterior facing façade. In addition, all parapet systems must be enclosed. (Subsection 06.02, of Article 05, UDC)
- (10) Provide a detail/elevation of the vacuum equipment and any associated structure. (Subsection 04.01, of Article 05, UDC)
- (11) Please indicate the building height and the parapet height. (Subsection 04.01 of Article 05, UDC)
- (12) Please crosshatch the RTUs on the elevations. The RTUs must be fully screened by the parapet. Please pay attention to this due the building being lower than the road. (Subsection 01.05.C, of Article 05, UDC)
- (13) The proposed building does not meet the four (4) sided architecture requirements. This requires the same "materials, detailing, articulation and features" on each façade. In this case the primary articulation requirements must be met on each side of the buildings, and the same architectural detail and features must be provided on each side of the buildings. (Subsection 06.02, of Article 05, UDC)
- (14) Please indicate the architectural elements on each building. Each building is required to incorporate four (4) architectural elements. (Subsection 06.02, of Article 05, UDC)
- (15) The proposed C-Store and Car Wash building do not meet the majority of the Primary Articulation requirements. Please review the articulation diagram within the General Commercial District Standards within the Unified Development Code (UDC). Specifically, the C-Store does not meet items 2, 4, 5, & 6 in the diagram, and the Car Wash does not meet items 2-7 in the diagram. These will be Variances. (Subsection 06.02, of Article 05, UDC)

- M.12 At this time, based on the materials submitted, staff has identified several changes to the site, landscape, photometric, and building design that require changes. Any required changes that are not made will be an exception/variance. These exceptions/variances must be approved by the Planning and Zoning Commission.
- M.13 According to Article 11, Development Application and Review Procedures, of the Unified Development Code (UDC), two (2) compensatory measures (above and beyond the requirements of the UDC) for each exception or variance is required. In order to request an exception or variance, the applicant will need to provide a letter outlining the requested exceptions and required compensatory measures. For every requested exception or variance, two (2) compensatory measures must be provided.
- I.14 Please note that failure to address all comments provided by staff by 3:00 PM on June 3, 2025 will result in the automatic denial of the case on the grounds of an incomplete submittal. No refund will be given for cases that are denied due to an incomplete submittal, and a new application and fee will be required to resubmit the case.
- I.15 Please note the scheduled meetings for this case:
- (1) Planning & Zoning meeting/work session meeting will be held on May 27, 2025.
- (2) Planning & Zoning meeting/public hearing meeting will be held on June 10, 2025.
- I.16 All meetings will be held in person and in the City's Council Chambers. All meetings listed above are scheduled to begin at 6:00 p.m. (P&Z). The City requires that a representative(s) be present for these meetings. During the upcoming work session meeting with the Planning and Zoning Commission, representative(s) are required to present their case and answer any questions the Planning Commission may have regarding this request.

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
ENGINEERING	Madelyn Price	05/22/2025	Approved w/ Comments

05/22/2025: 1. Show off site sewer on site plan. All existing and proposed utilities are to be shown on site plan

- 2. 20' minimum
- 3. What is this 80'x27' area? What about the 18'x15' area? Label what the intent is for these areas.
- 4. A detention easement will be required for all detention areas, even underground detention.
- 5. Keep in mind you will not be able to plant trees on top of this underground detention area.
- 6. This the public water main. Remove meter and backflow.
- 7. Dumpster areas, fuel canopy areas, and car wash areas shall drain to an oil/water separator and then into the storm drainage system.
- 8. Please keep in mind that no trees to be with 10' of any public water, sewer or storm line that is 10" in diameter or larger. Also, required landscape berms may not be on top of City utilities. Make sure you are giving yourself enough space to be able to install the required 16" main and meet all of your landscape requirements.
- 9. Detention easement required.
- 10. Sanitary sewer, storm sewer, and water main must all have minimum 10' separation between the. Water main to be a minimum 20' easement.
- 11. Due to these lines capturing offsite water and flowing through site, drainage easement required. 20' minimum.
- 12. a detention easement will be required for all detention areas, even underground detention.
- 13. Min 20' water easement for all hydrants.
- 14. Why not come off the public main for private water service here and have meter within one larger water easement? You are running your private line very far.
- 15. This the public water main. Remove meter and backflow preventer.
- 16. Please keep in mind that no trees to be with 5' of any public water, sewer, or storm line that is less than 10". Also, required landscape berms may not be on top of City utilities.

Make sure you are giving yourself enough space to be able to keep the required separation from the existing 8" main and meet all of your landscape requirements.

- 17. Driveway spacing from intersection is minimum 200'.
- 18. 16" water main needs to cross Airport to connect to existing 16".
- 19. Please keep in mind that no trees to be with 10' of any public water, sewer or storm line that is 10" in diameter or larger. Also, required landscape berms may not be on top of City utilities. Make sure you are giving yourself enough space to be able to install the required 16" main and meet all of your landscape requirements.
- 20. Keep all proposed trees outside of 20' water easement for all hydrants.

#### General Comments:

#### General Items:

- Must meet City's 2023 Standards of Design and Construction Manual

- 4% Engineering Inspection Fees
- Impact Fees (Water, Sewer & Roadway)
- Minimum easement width is 20' for new easements. No structures including walls allowed in easements.
- Retaining walls 3' and over must be engineered.
- All retaining walls (18" or taller) must be rock, stone, or stone face. No smooth concrete walls.
- No signage is allowed within easements or ROW.
- Tree mitigation will be required for the removal of any existing trees on site.
- No structures or fences with easements.
- All utilities must be underground.
- Must meet City driveway spacing requirements.
- Additional comments may be provided at time of Engineering.

#### Drainage Items:

- Detention is required. No vertical walls are allowed in detention easement. Max side slope of 4:1 with a minimum bottom slope of 1%.
- No public water or sanitary sewer can be in detention easement.
- Detention ponds must be irrigated.
- Existing flow patterns must be maintained. The site must drain to the east side of the property and back towards the Squabble Creek floodplain area.
- The property owner will be responsible for maintaining, repair, and replacement of the drainage systems.
- No grate inlets allowed.
- FFE for all buildings must be called out when adjacent to a detention area. Minimum 2' above 100-year WSEL.
- Dumpster areas, fuel canopy areas, and car wash areas shall drain to an oil/water spectator and then into the storm system.

#### Water and Wastewater Items:

- Site plan must show existing/proposed utility lines (Water, Sewer, etc.)
- Any public water lines must be a minimum of 8", looped, and must be in a 20' wide easement. (Meet City of Rockwall Standards of Design and Construction)
- Only one "use" off a dead-end line (domestic, irrigation, fire sprinkler, fire hydrant, etc.)
- Must install 16" water line across entire property along John King and tie to ex. 16" water on the south side of Airport Road.
- There is currently no existing sewer mains at the property available for use. 8" and 10" Sewer must drain to sewer system in Park Hills Subdivision which will require off-site easements.
- Any utility connection made underneath of an existing roadway must be completed by dry bore. Opening cutting will not be allowed.
- Min 20' utility easements.
- Water to be 10' separated from storm and sewer lines.
- All public utilities must be centered in easement.

#### Roadway Paving Items:

- All parking, storage, drive aisles must be reinforced concrete. (No rock, gravel, or asphalt allowed)
- All Parking to be 20'x9' minimum. Parking may not be off a public Roadway. Vehicle must not be required to back onto a public roadway, including trash trucks.
- No dead-end parking allowed without an City approved turnaround.
- All drive isles to be 24' wide.
- Fire lane (if needed) to have 20' min radius if buildings are less than 30' tall. If any of the buildings are 30' or more, the fire lane will be 30' radius minimum. Call out radius.
- Fire lane (if needed) to be in a platted easement.
- 5' Sidewalk required along Airport Road.
- 10' trail along John King to be installed

#### Landscaping:

- No trees to be with 10' of any public water, sewer or storm line that is 10" in diameter or larger.
- No trees to be with 5' of any public water, sewer, or storm line that is less than 10".
- Landscape berms may not be on top of City utilities.

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
BUILDING	Craig Foshee	05/22/2025	Approved w/ Comments
05/22/2025: * Dumpster enclo	osure to have a drain and a oil/water separator b	efore discharging to the Storm water line	
* Monument sign doesn't mee	t the design standards of the Sign Ordinance. Se	ee attached documents and requirements. Also, the	monument sign will need to be a minimum of 10
feet from any property line, 60	feet from any other free standing sign, and can'	be located within any easements	
DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
FIRE	Ariana Kistner	05/20/2025	Approved w/ Comments
05/20/2025: The FDC shall be	e facing and visible from the fire lane.		
The FDC must be within 100 f	eet of a fire hydrant and 50 feet of the fire lane.		
The FDC shall be clear and un	nobstructed with a minimum of a 5-feet clear all-	veather path from fire lane access	
DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
GIS	Lance Singleton	05/19/2025	Approved w/ Comments
05/19/2025: Address will be:	490 S JOHN KING BLVD, ROCKWALL, TX 7508	37	

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT	
POLICE	Chris Cleveland	05/19/2025	Approved	
No Comments				

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT	
PARKS	Travis Sales	05/19/2025	Approved w/ Comments	

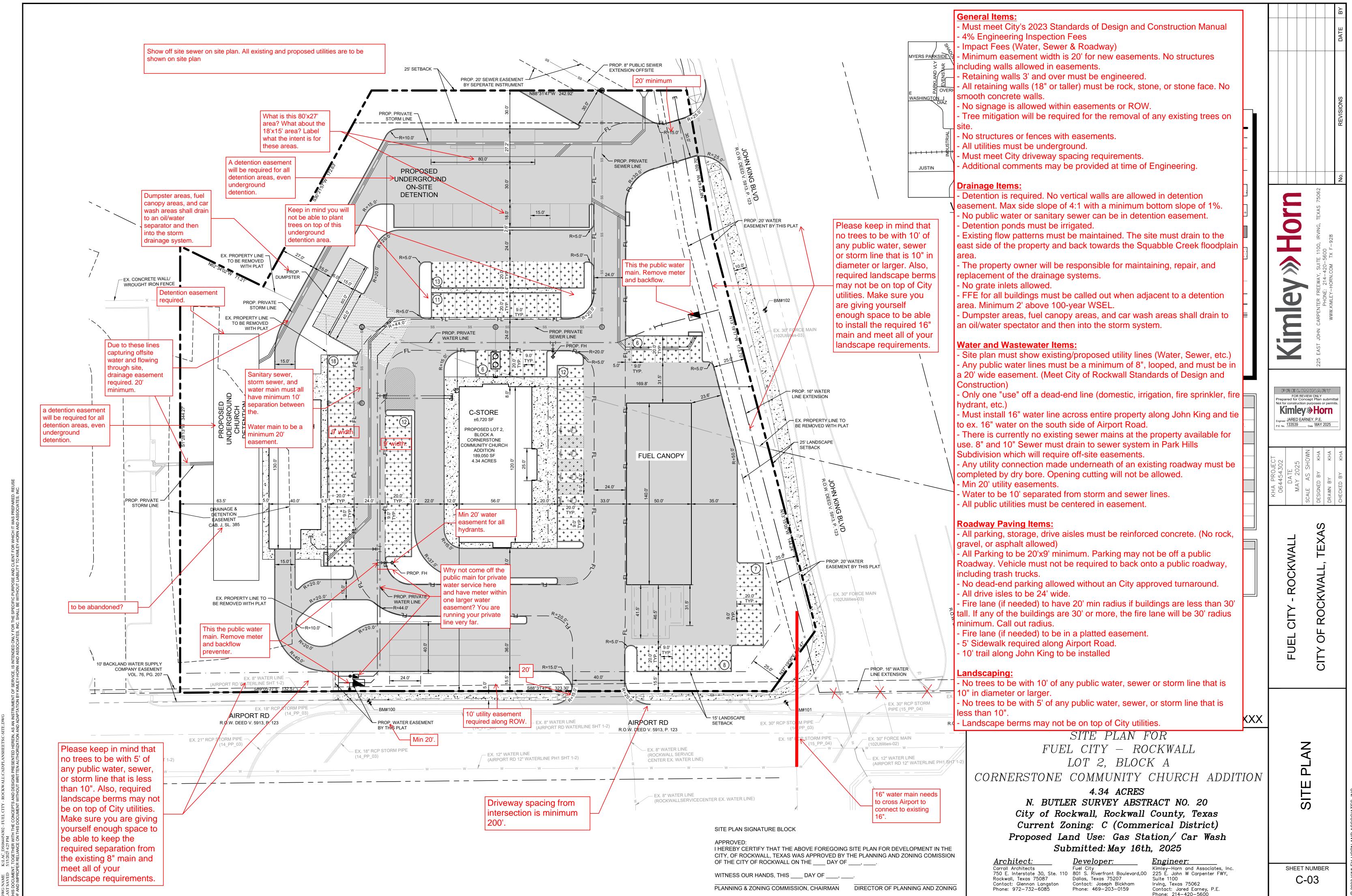
05/19/2025: 1. Tree Mitigation approved

2. Landscape Plan

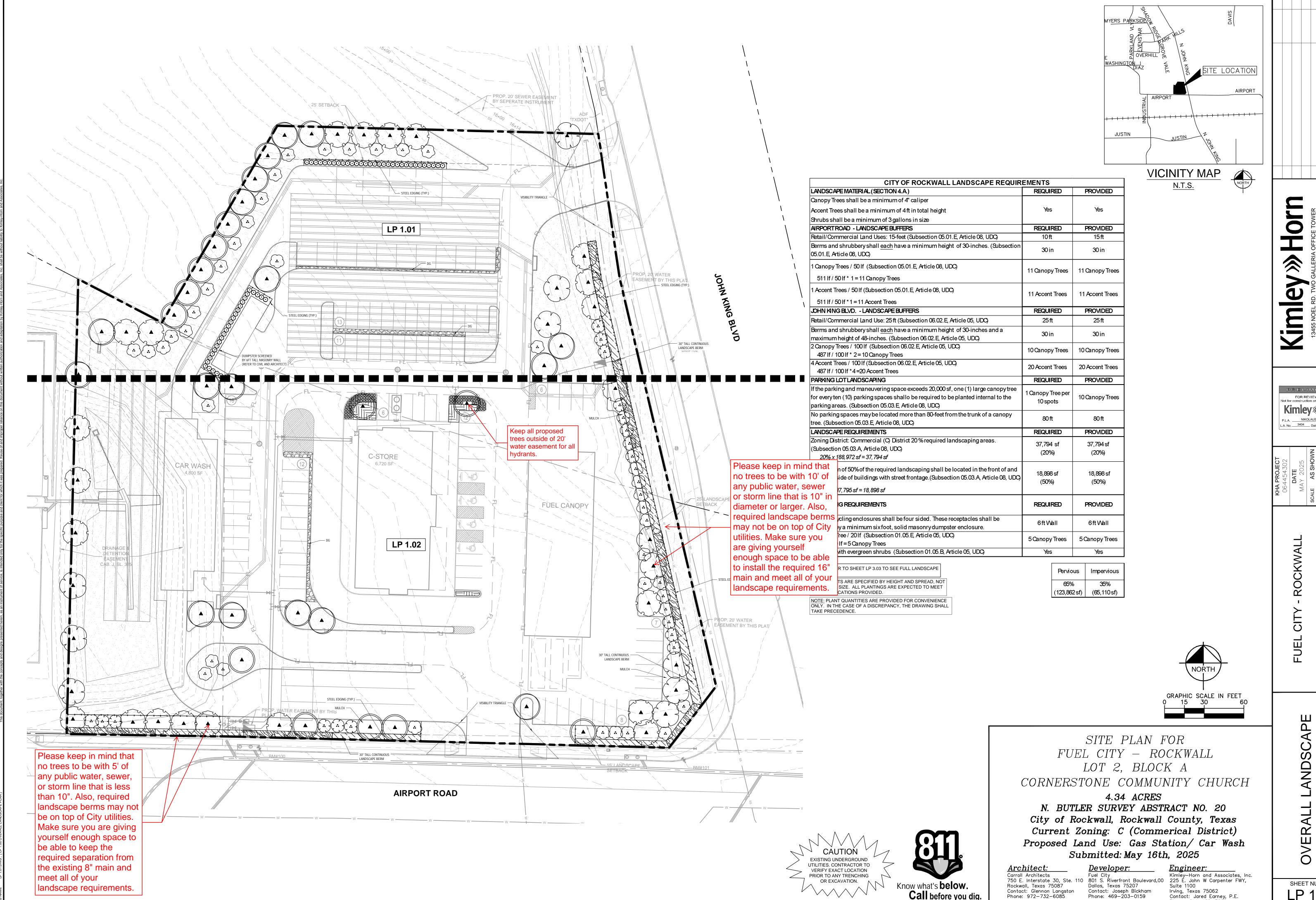
Turfgrass varieties?

All parking spaces must be within 80' of tree canopy

Detention pond landscape calculations needed



LAUREN \$/15/2025 4:27 PM \_\_LAUREN \$/15/2025 4:27 PM \_\_DS\\064454302 - FUEL CITY - ROCKWALL\CAD\PLANSHEETS\C-SITE.DWG

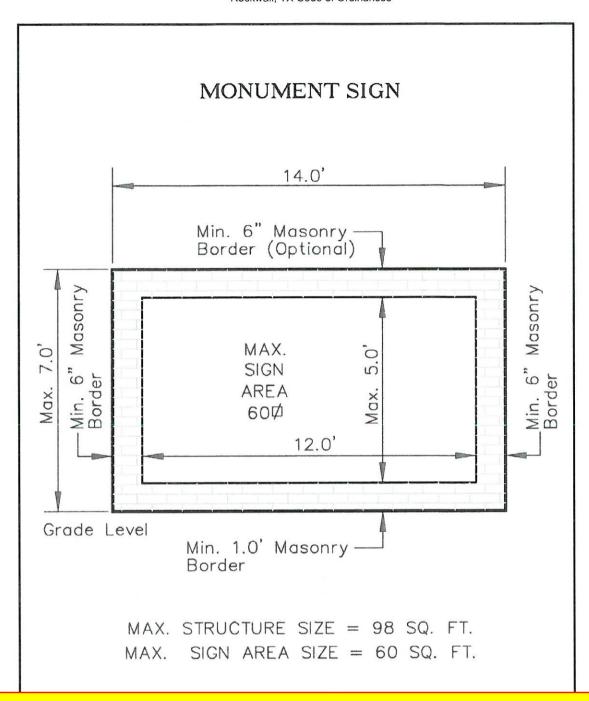


PRELIMINARY Kimley»Horn P.L.A. NIKOLAUS B. ADAMS L.A. No. 3404 Date 5/15/2025

SHEET NUMBER LP 1.00

Contact: Jared Earney, P.E. Phone: 214-420-5600

Phone: 469-203-0159



Sec. 32-304. - Monument signs.

Unless otherwise specifically provided, the regulations set forth in this division shall be applicable to all monument signs which are allowed under this chapter.

(1)All monument signs shall be limited to a maximum height of seven feet and a total structure size of 98 square feet. The maximum size for the sign area is 60 square feet with a maximum height of five feet. Every monument sign shall be required to have a minimum one-foot masonry base, measured from grade level to the bottom of the sign area. Every monument sign shall be required to have a minimum six-inch masonry border on each side of the sign area. A minimum six-inch masonry cap is allowed above the sign area, however, it is not required. If, the masonry cap option is not chosen, the maximum height of the sign structure shall be limited to six feet. All monument signs will require engineer-sealed drawings.

(2)Building materials and colors utilized for construction of monument bases, side borders, caps, and sign frames shall be constructed of the same materials found on the main building on the lot, unless otherwise approved by the city council.

(3)If the proposed sign is to be constructed on a lot with an existing building which does not contain a masonry facade, the materials used for the monument base, side borders and cap must be stone or brick.

### **Monument Sign**

#### **Standards**

Meets requirement Does not meet requirement
Mieets requirement Does not meet requirement
2. Maximum size of the sign area is 60sf and maximum height of 5'
Meets requirement Does not meet requirement
3. Sign must have a 1' masonry base measured from grade and a 6" masonry border on each side of the sign.
Meets requirement Does not meet requirement
4. Sign is allowed an additional 6" masonry cap but not required, however if not used the maximum height of the sign is 6'
Meets requirement Does not meet requirement
5. Sign must be setback from all property lines a minimum of 10' and 60' away from all other signs.
Meets requirement Does not meet requirement
Permit Requirements
f T $f A$

#### Layout

- 1. Provide design and pictures to scale showing the layout, height, size and distance from the ground of the sign.
- 2. Provide a site plan and/or plat to scale showing all right of way, easements, property lines and lot dimensions.
- 3. Identify on site plan the proposed location of the pole sign. Showing all distances from property lines.
  - A. All freestanding signs must be 30' from adjoining property lines with 200 feet of frontage.
  - B. 20 feet from adjoining property lines with 100' but less than 200'
  - C. 10 feet from adjoining property lines with 100' or less
  - D. And 60' from any other freestanding sign.
  - E. Lots less than 100' on a two-lane road must utilize a monument sign.
  - F. Only 1 sign allowed unless you have 7 acres or more along IH30 and 5 acres or more along all other roads.
- 4. All monument signs must have engineered sealed drawings.

#### **Electrical**

- 1. Provide type of lighting
- 2. Show disconnect location
- 3. Show the location of the power supply / transformer
- 4. Provide wire size
- 5. Provide circuit ampacity
- 6. Provide Voltage

An addition: All signs must be provide with the following, they shall have displayed in a conspicuous place. In letters not less than 1" inch in height, the date of erection, the permit number, the voltage of any electrical apparatus used, and the sign erectors name, address, and license number.



NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS

### **DEVELOPMENT APPLICATION**

City of Rockwall Planning and Zoning Department 385 S. Goliad Street Rockwall. Texas 75087

5	TA	FF	USE	ONLY	

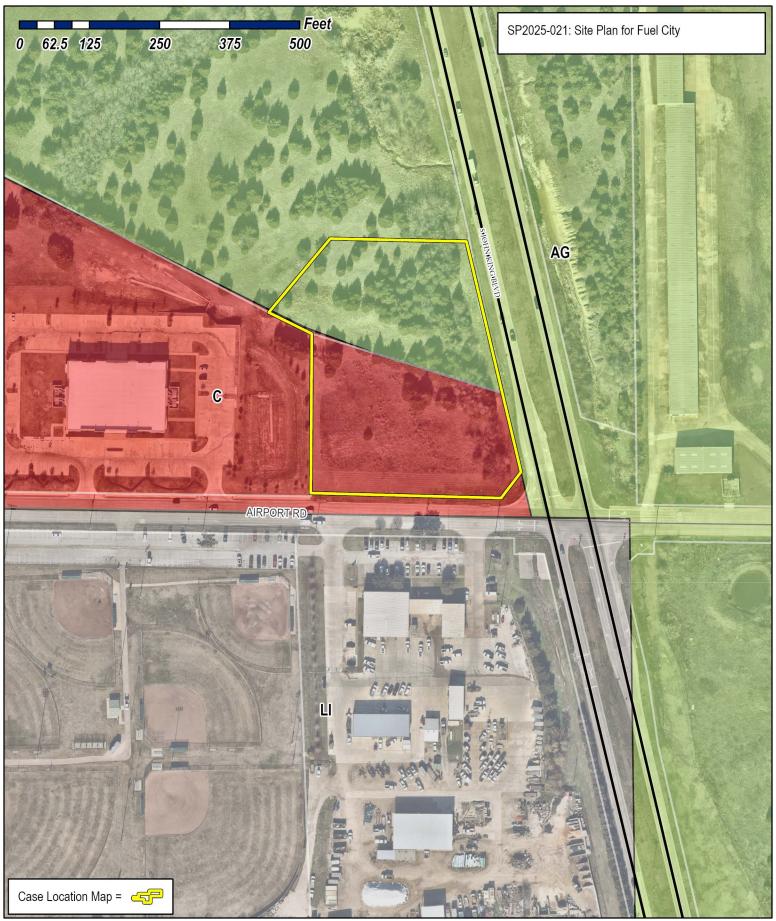
PLANNING & ZONING CASE NO.

<u>NOTE:</u> THE APPLICATION IS NOT CONSIDERED ACCEPTED BY THE CITY UNTIL THE PLANNING DIRECTOR AND CITY ENGINEER HAVE SIGNED BELOW.

Notary TD 134596025

DIRECTOR OF PLANNING:

	rookwan, roxae roocr	CITY	ENGINEEK:	
PLEASE CHECK THE A	APPROPRIATE BOX BELOW TO INDICATE THE	TYPE OF DEVELOPMENT REG	QUEST [SELECT ONLY ON	IE BOXJ:
☐ PRELIMINARY F ☐ FINAL PLAT (\$30 ☐ REPLAT (\$300.0 ☐ AMENDING OR ☐ PLAT REINSTAT  SITE PLAN APPLIC ☑ SITE PLAN (\$250	\$100.00 + \$15.00 ACRE) 1 PLAT (\$200.00 + \$15.00 ACRE) 1 00.00 + \$20.00 ACRE) 1 0 + \$20.00 ACRE) 1 MINOR PLAT (\$150.00) TEMENT REQUEST (\$100.00)	☐ SPECIFIC US ☐ PD DEVELOF  OTHER APPLIC. ☐ TREE REMO' ☐ VARIANCE R  NOTES: 1: IN DETERMINING TI PER ACRE AMOUNT. 2: A \$1,000.00 FEE N	NGE (\$200.00 + \$15.00 AC SE PERMIT (\$200.00 + \$15 PMENT PLANS (\$200.00 + ATION FEES: VAL (\$75.00) EQUEST/SPECIAL EXCEF HE FEE, PLEASE USE THE EXACT FOR REQUESTS ON LESS THAN O WILL BE ADDED TO THE APPLIC	.00 ACRE) 1 8 2 \$15.00 ACRE) 1
PROPERTY INFO	RMATION [PLEASE PRINT]			
ADDRESS				
SUBDIVISION	A0020 N Butler, Tract 4-06		LOT	BLOCK
GENERAL LOCATION	Northwest of John Kind Blvd	and Airport Rd		
ZONING, SITE PL	AN AND PLATTING INFORMATION	[PLEASE PRINT]		
CURRENT ZONING	Commercial District (C)	CURRENT USE	N/A	
PROPOSED ZONING	Commercial District (C)	PROPOSED USE	Gas Station/	Car Wash
ACREAGE	4.34 acres	JRRENT]	LOTS [PROP	OSED]
REGARD TO ITS	D. PLATS: BY CHECKING THIS BOX YOU ACKNOW! APPROVAL PROCESS, AND FAILURE TO ADDRESS BENIAL OF YOUR CASE.	EDGE THAT DUE TO THE PASS ANY OF STAFF'S COMMENTS BY	SAGE OF <u>HB3167</u> THE CITY / THE DATE PROVIDED ON	NO LONGER HAS FLEXIBILITY WITH THE DEVELOPMENT CALENDAR WILL
OWNER/APPLIC	ANT/AGENT INFORMATION [PLEASE I	PRINT/CHECK THE PRIMARY CON	ITACT/ORIGINAL SIGNATUR	ES ARE REQUIRED]
☐ OWNER	Fuel City	☐ APPLICANT	Kimley-Horn	
CONTACT PERSON	Joseph Bickham	CONTACT PERSON	Jared Earney	
ADDRESS		ADDRESS	225 E. John W. C	arpenter FWY, Ste 1100
CITY, STATE & ZIP		CITY, STATE & ZIP	Irving, TX 75062	
PHONE	469-203-0159	PHONE	817-900-8528	
E-MAIL	jbickham@fuelcity.com	E-MAIL	jared.earney@l	kimley-horn.com
BEFORE ME THE UNDER	CATION [REQUIRED] RSIGNED AUTHORITY, ON THIS DAY PERSONALLY A ION ON THIS APPLICATION TO BE TRUE AND CERTI	APPEARED 105 (Ph	Bickheun 10	DWNER] THE UNDERSIGNED, WHO
S 350 SE	I AM THE OWNER FOR THE PURPOSE OF THIS APPLIC TO COVER THE COST OF THIS APPLICATION 2015 BY SIGNING THIS APPLICATION D WITHIN THIS APPLICATION TO THE PUBLIC. THIS	ATION, HAS BEEN PAID TO THE CIT ON, I AGREE THAT THE CITY OF RO E CITY IS ALSO AUTHORIZED AN	'Y OF ROCKWALL ON THIS THE OCKWALL (I.E. "CITY") IS AUTH D PERMITTED TO REPRODU	EDAY OF HORIZED AND PERMITTED TO PROVIDE ICE ANY COPYRIGHTED INFORMATION
GIVEN UNDER MY HAND	AND SEAL OF OFFICE ON THIS THE 15 DAY OF	- May , 202	S NA PUR	GLORIA AGUIRRE S Notary Public, State of Texas
	OWNED'S SIGNATURE			25 Comm. Expires 10-09-2027



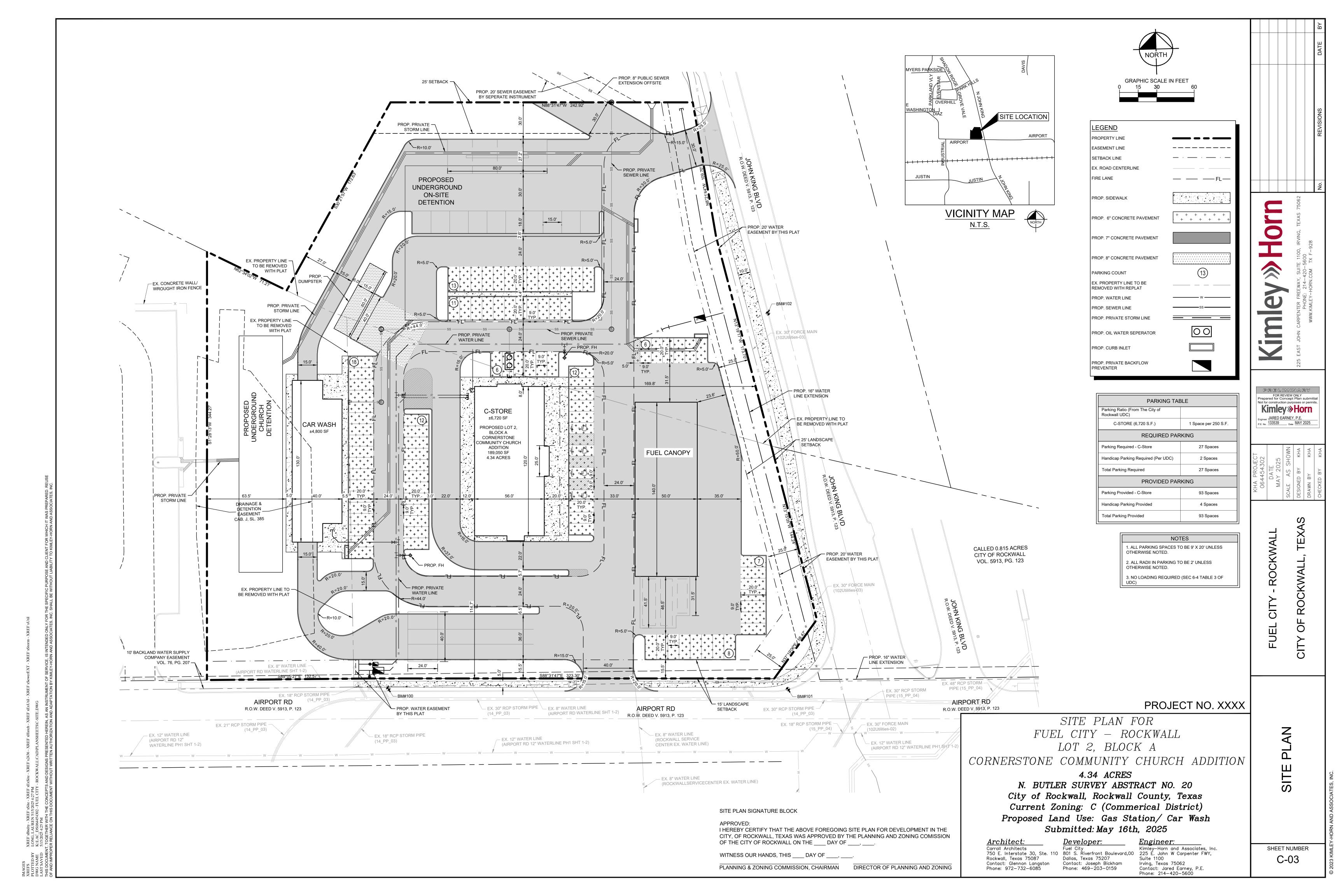


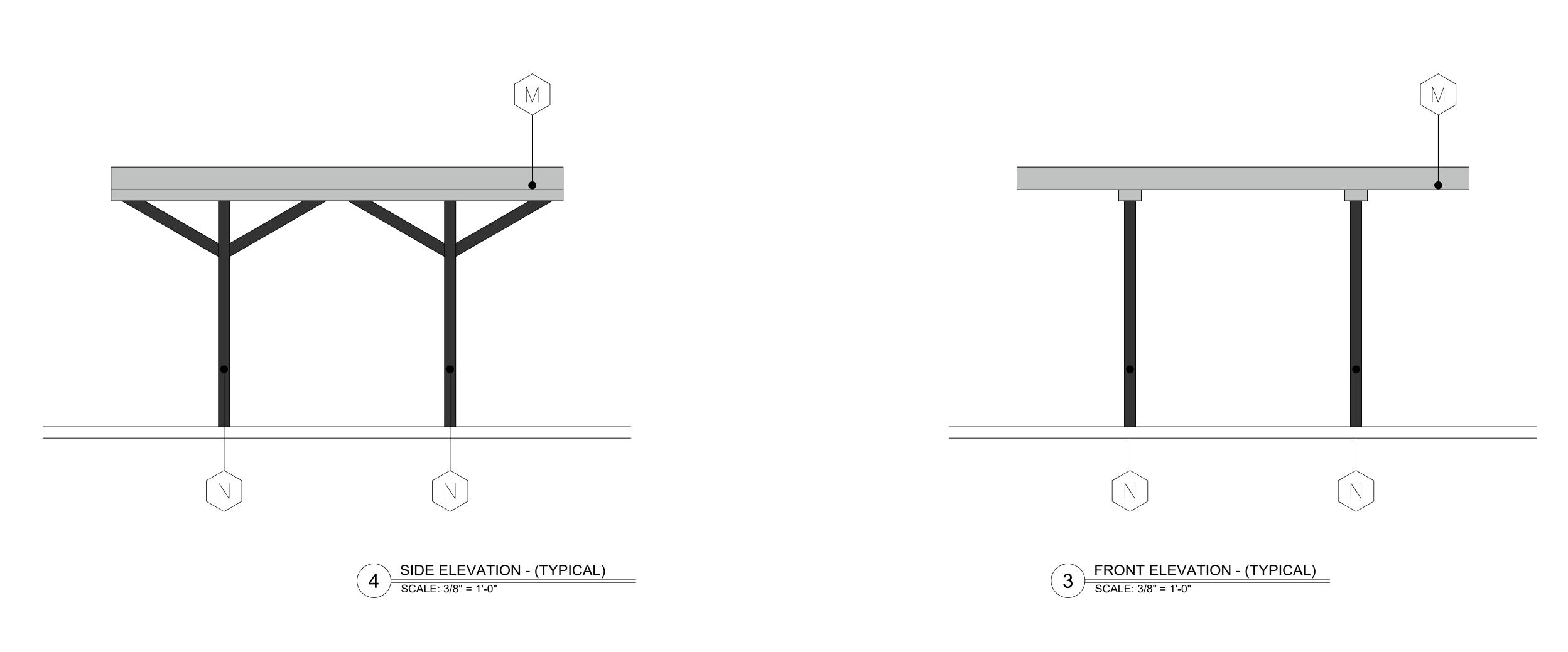
# City of Rockwall Planning & Zoning Department 385 S. Goliad Street Rockwall, Texas 75087

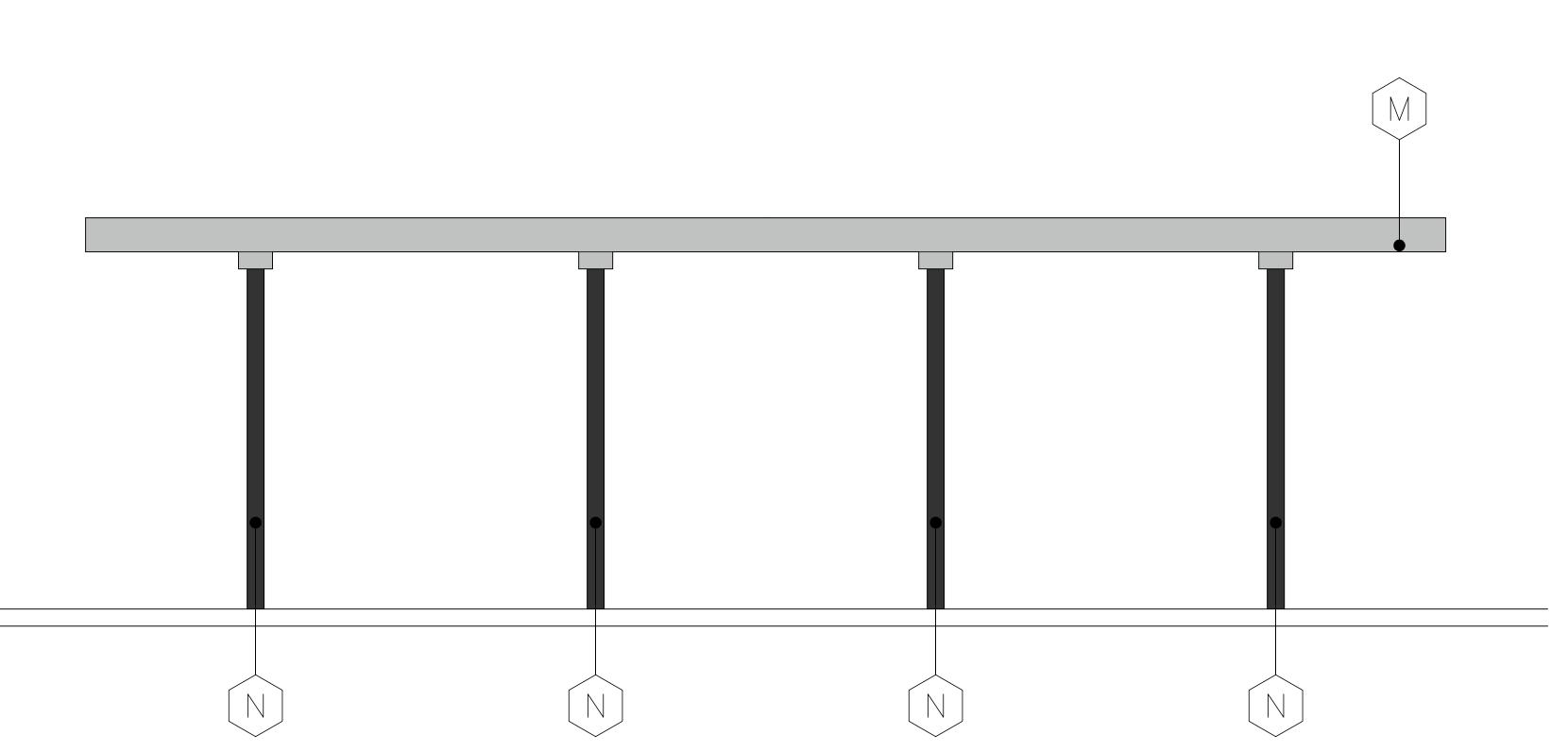
(P): (972) 771-7745 (W): www.rockwall.com

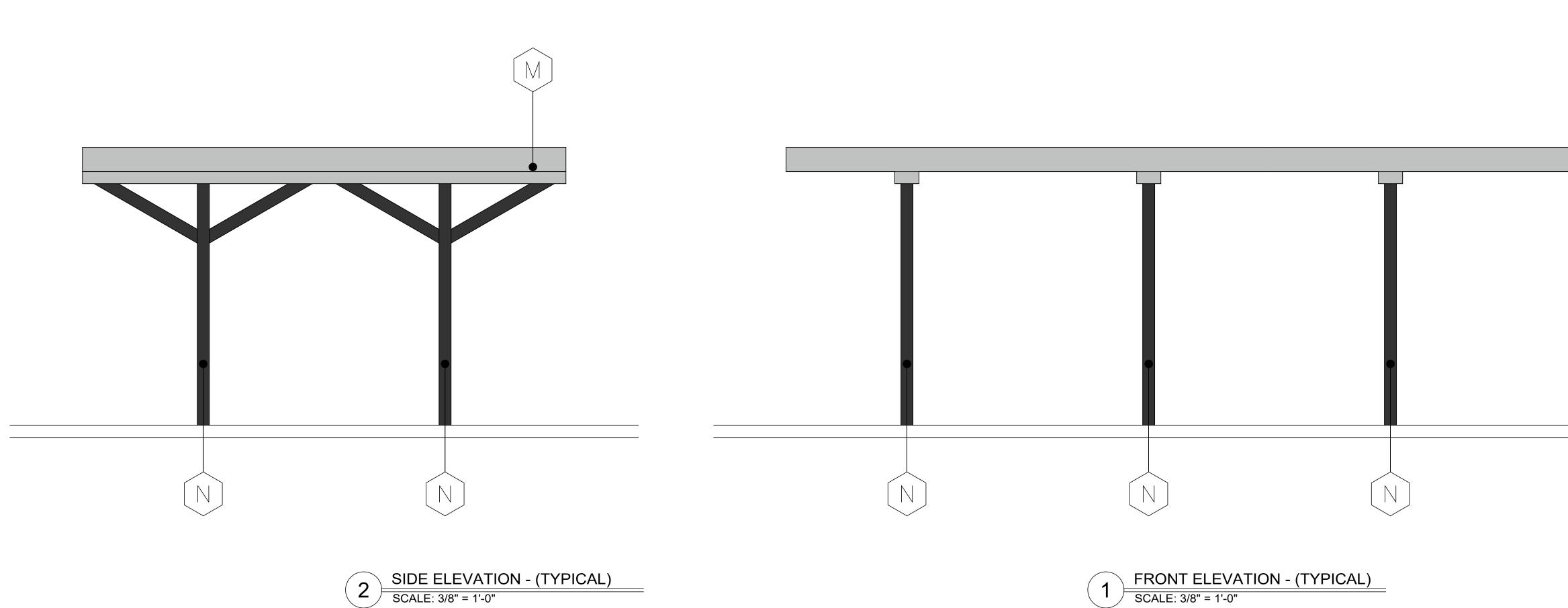
The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.





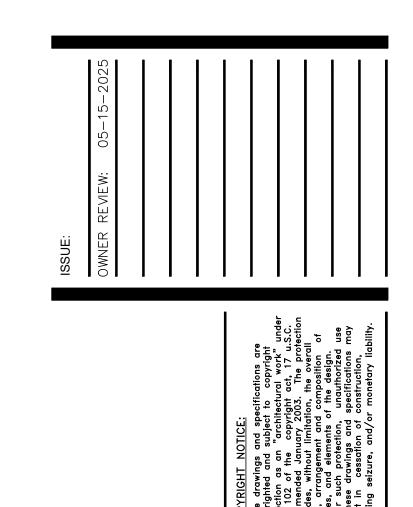






FRONT ELEVATION - (TYPICAL)

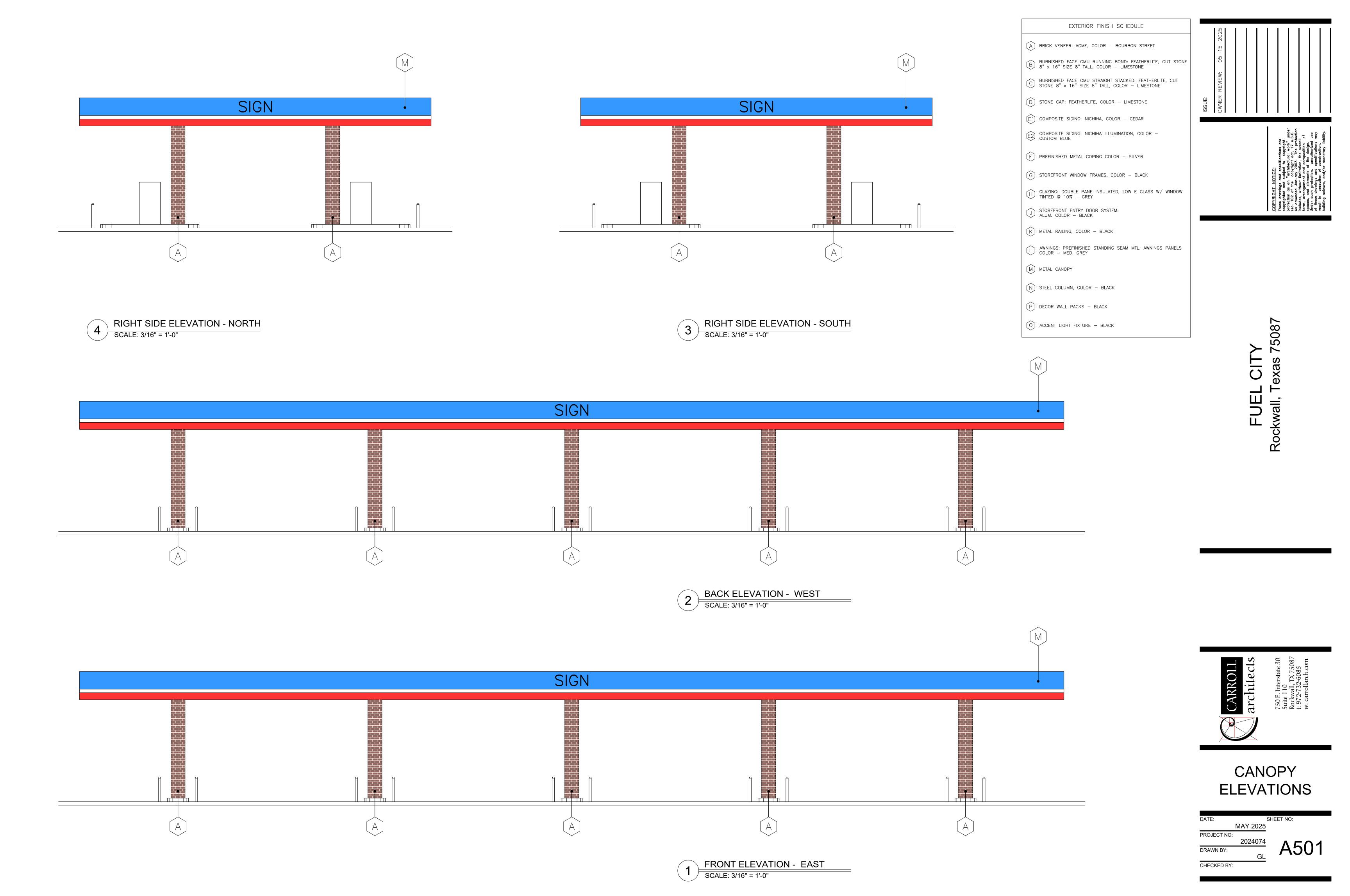
SCALE: 3/8" = 1'-0"





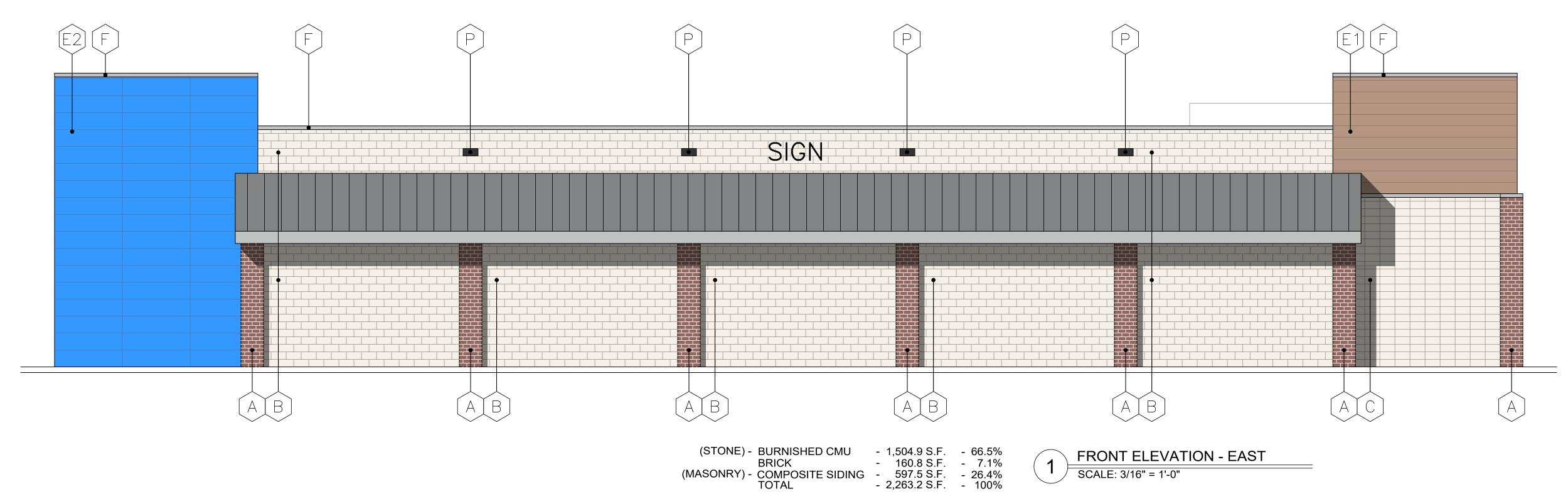
MONUMENT SIGN **ELEVATION** 

A501



(STONE) - BURNISHED CMU - 306.1 S.F. - 48.7%
BRICK - 84.6 S.F. - 13.5%
MASONRY) - COMPOSITE SIDING - 237.7 S.F. - 37.8%
- 628 4 S.F. - 100%

RIGHT SIDE ELEVATION - SOUTH
SCALE: 3/16" = 1'-0"



BRICK - 84.6 S.F. - 13.5% (MASONRY) - COMPOSITE SIDING - 237.7 S.F. - 37.8% TOTAL - 628.4 S.F. - 100%

FRONT ELEVATION - EAST

SCALE: 3/16" = 1'-0"

EXTERIOR FINISH SCHEDULE

- (A) BRICK VENEER: ACME, COLOR BOURBON STREET
- B BURNISHED FACE CMU RUNNING BOND: FEATHERLITE, CUT STONE 8" x 16" SIZE 8" TALL, COLOR LIMESTONE
- BURNISHED FACE CMU STRAIGHT STACKED: FEATHERLITE, CUT STONE 8" x 16" SIZE 8" TALL, COLOR LIMESTONE
- (D) STONE CAP: FEATHERLITE, COLOR LIMESTONE
- (E1) COMPOSITE SIDING: NICHIHA, COLOR CEDAR
- COMPOSITE SIDING: NICHIHA ILLUMINATION, COLOR CUSTOM BLUE
- F PREFINISHED METAL COPING COLOR SILVER
- G STOREFRONT WINDOW FRAMES, COLOR BLACK
- H GLAZING: DOUBLE PANE INSULATED, LOW E GLASS W/ WINDOW TINTED @ 10% GREY
- STOREFRONT ENTRY DOOR SYSTEM: ALUM. COLOR BLACK
- K METAL RAILING, COLOR BLACK
- AWNINGS: PREFINISHED STANDING SEAM MTL. AWNINGS PANELS COLOR MED. GREY
- M METAL CANOPY
- (N) STEEL COLUMN, COLOR BLACK
- (P) DECOR WALL PACKS BLACK
- Q ACCENT LIGHT FIXTURE BLACK

75087 5 FUEL Rockwall,

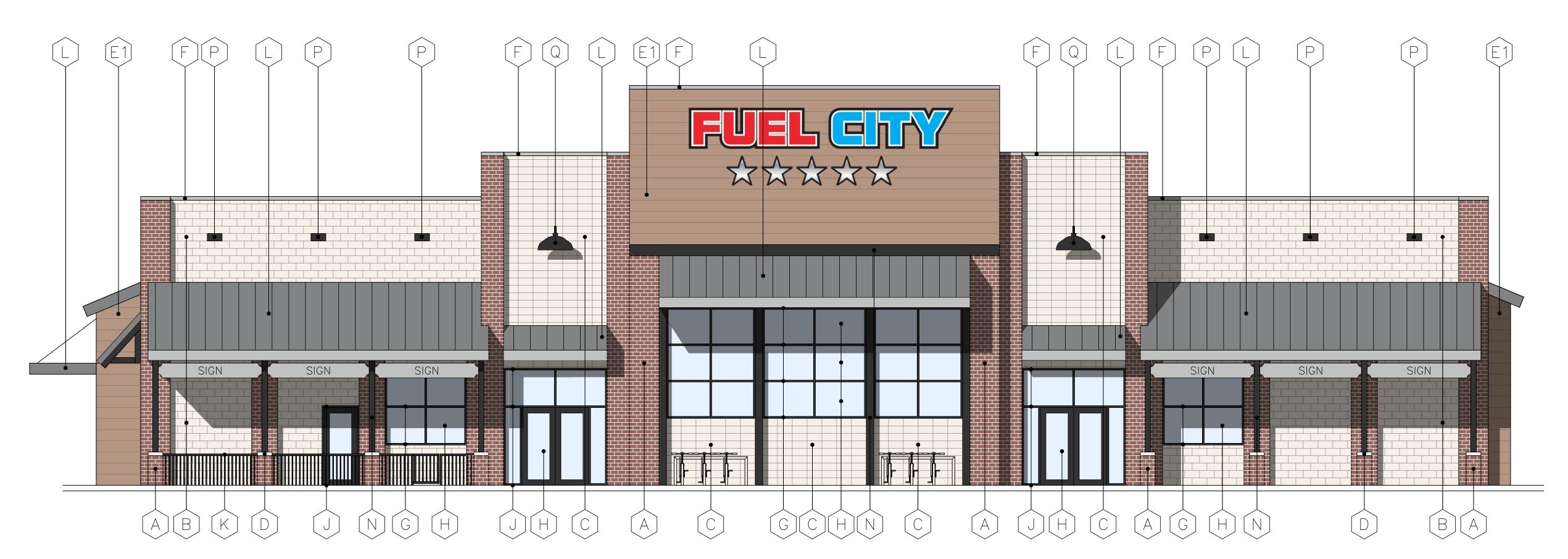


CARWASH **ELEVATIONS** 

PROJECT NO:

(STONE) - BURNISHED CMU - 958.1 S.F. - 55.7%
BRICK - 326.9 S.F. - 19.0%
MASONRY) - COMPOSITE SIDING - 433.8 S.F. - 25.6%
- 1 718 8 S.F. - 100%

RIGHT SIDE ELEVATION - SOUTH
SCALE: 3/16" = 1'-0" BRICK - 326.9 S.F. - 19.0% (MASONRY) - COMPOSITE SIDING - 433.8 S.F. - 25.6% TOTAL - 1,718.8 S.F. - 100%

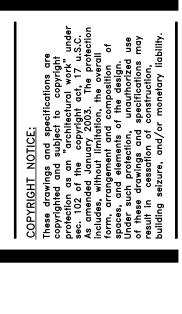


(STONE) - BURNISHED CMU - 1,234.9 S.F. - 50.7% BRICK - 626.4 S.F. - 25.7% (MASONRY) - COMPOSITE SIDING - 576.7 S.F. - 23.6% TOTAL - 2,438.0 S.F. - 100%

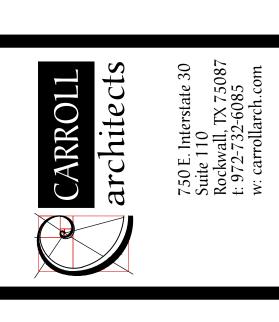
FRONT ELEVATION - EAST

EXTERIOR FINISH SCHEDULE

- (A) BRICK VENEER: ACME, COLOR BOURBON STREET
- B BURNISHED FACE CMU RUNNING BOND: FEATHERLITE, CUT STONE 8" x 16" SIZE 8" TALL, COLOR LIMESTONE
- BURNISHED FACE CMU STRAIGHT STACKED: FEATHERLITE, CUT STONE 8" x 16" SIZE 8" TALL, COLOR LIMESTONE
- (D) STONE CAP: FEATHERLITE, COLOR LIMESTONE
- (E1) COMPOSITE SIDING: NICHIHA, COLOR CEDAR
- © COMPOSITE SIDING: NICHIHA ILLUMINATION, COLOR CUSTOM BLUE
- F PREFINISHED METAL COPING COLOR SILVER
- G STOREFRONT WINDOW FRAMES, COLOR BLACK
- H GLAZING: DOUBLE PANE INSULATED, LOW E GLASS W/ WINDOW TINTED @ 10% GREY
- STOREFRONT ENTRY DOOR SYSTEM: ALUM. COLOR BLACK
- (K) METAL RAILING, COLOR BLACK
- AWNINGS: PREFINISHED STANDING SEAM MTL. AWNINGS PANELS COLOR MED. GREY
- M METAL CANOPY
- (N) STEEL COLUMN, COLOR BLACK
- (P) DECOR WALL PACKS BLACK
- Q ACCENT LIGHT FIXTURE BLACK



75087 FUEL

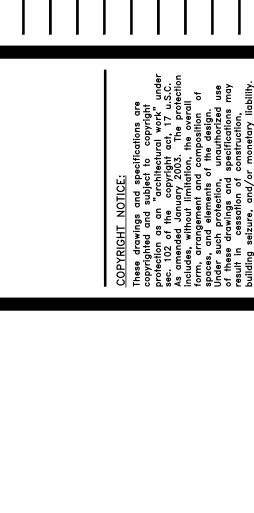


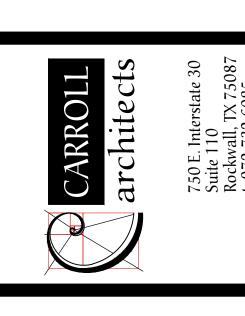
**EXTERIOR ELEVATIONS** 

DATE:	5	SHEET
	MAY 2025	
PROJECT NO:		
	2024074	4
DRAWN BY:		F
	GI	-

CHECKED BY:

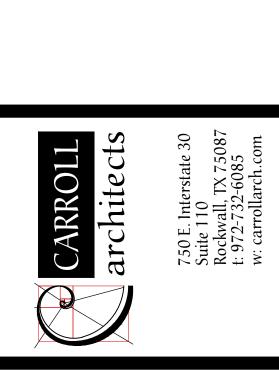






# MONUMENT SIGN ELEVATION

DATE:		SHEET NO:
	MAY 2025	
PROJECT NO:		
	2024074	Λ <i>Γ</i>
DRAWN BY:		A
	GL	, .
CHECKED BY:		



# VACUUM CANOPY ELEVATIONS

DATE: SHEET NO:

MAY 2025

PROJECT NO:

2024074

DRAWN BY:

GL

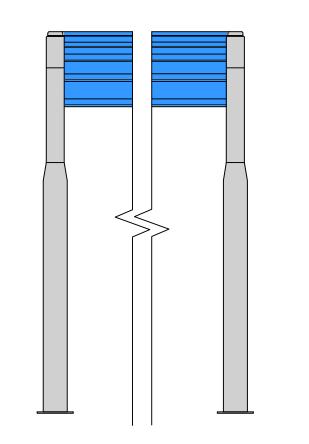
CHECKED BY:

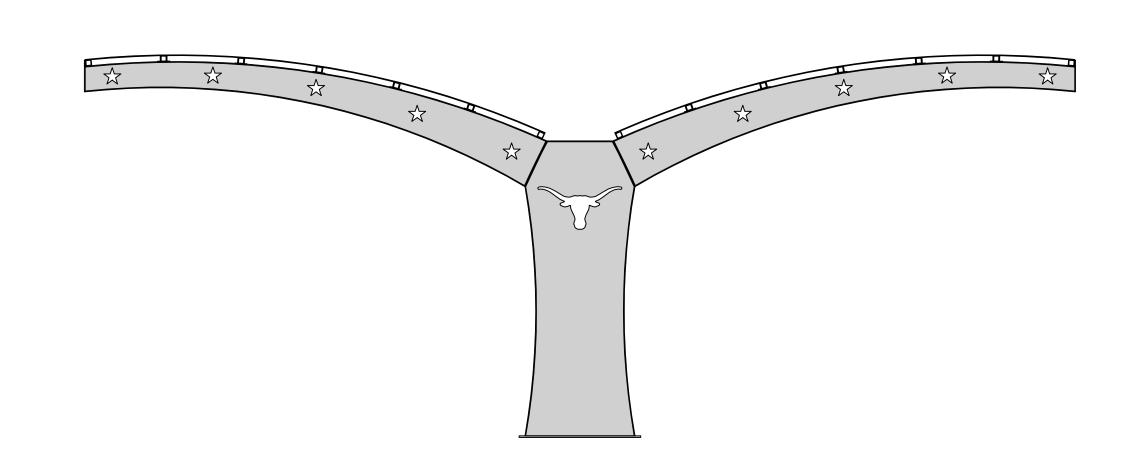


SIDE ELEVATION - (TYPICAL SINGLE)

SCALE: 3/8" = 1'-0"





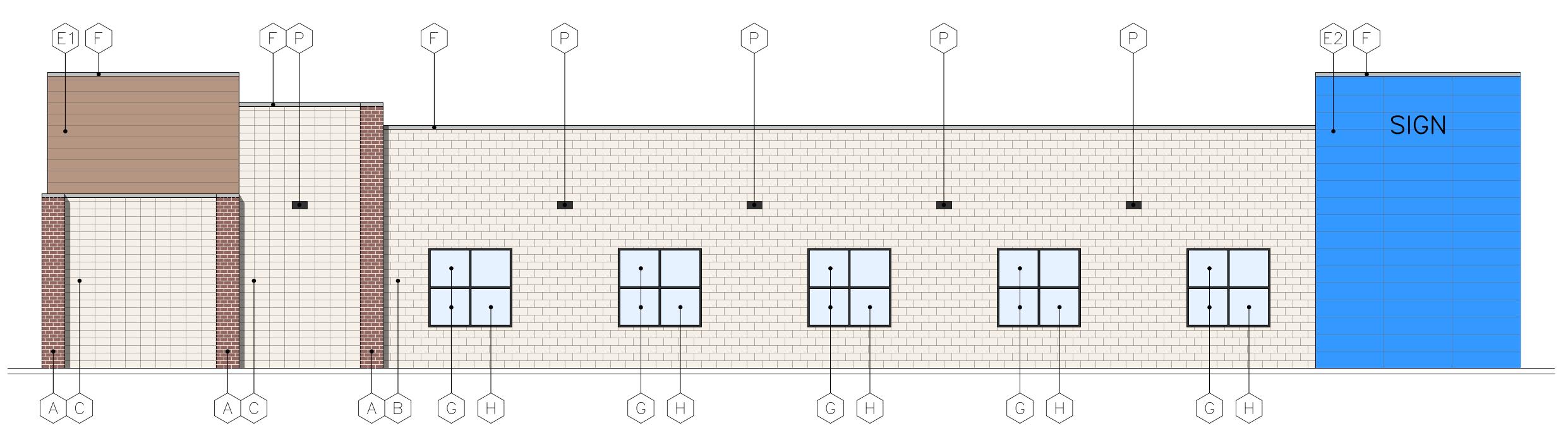


EXTERIOR FINISH SCHEDULE

- (A) BRICK VENEER: ACME, COLOR BOURBON STREET
- B BURNISHED FACE CMU RUNNING BOND: FEATHERLITE, CUT STONE 8" x 16" SIZE 8" TALL, COLOR LIMESTONE
- BURNISHED FACE CMU STRAIGHT STACKED: FEATHERLITE, CUT STONE 8" x 16" SIZE 8" TALL, COLOR LIMESTONE
- D STONE CAP: FEATHERLITE, COLOR LIMESTONE
- (E1) COMPOSITE SIDING: NICHIHA, COLOR CEDAR
- COMPOSITE SIDING: NICHIHA ILLUMINATION, COLOR CUSTOM BLUE
- (F) PREFINISHED METAL COPING COLOR SILVER
- G STOREFRONT WINDOW FRAMES, COLOR BLACK
- H GLAZING: DOUBLE PANE INSULATED, LOW E GLASS W/ WINDOW TINTED @ 10% GREY
- STOREFRONT ENTRY DOOR SYSTEM: ALUM. COLOR BLACK
- (K) METAL RAILING, COLOR BLACK
- AWNINGS: PREFINISHED STANDING SEAM MTL. AWNINGS PANELS COLOR MED. GREY
- M METAL CANOPY
- (N) STEEL COLUMN, COLOR BLACK
- (P) DECOR WALL PACKS BLACK
- Q ACCENT LIGHT FIXTURE BLACK

75087 5 FUEL Rockwall,

(STONE) - BURNISHED CMU - 153.6 S.F. - 24.3 BRICK - 36.1 S.F. - 5.7% MASONRY) - COMPOSITE SIDING - 443.6 S.F. - 70.0% - 633.3 S.F. - 100%



BRICK - 36.1 S.F. - 5.7% (MASONRY) - COMPOSITE SIDING - 443.6 S.F. - 70.0% TOTAL - 633.3 S.F. - 100%

(STONE) - BURNISHED CMU - 1,932.0 S.F. - 72.3% BRICK - 106.0 S.F. - 4.0% (MASONRY) - COMPOSITE SIDING - 635.9 S.F. - 26.4% TOTAL - 2,673.9 S.F. - 100%

BACK ELEVATION - WEST

SCALE: 3/16" = 1'-0"

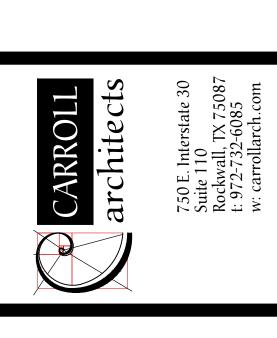
# CARWASH **ELEVATIONS**

PROJECT NO:



EXTERIOR FINISH SCHEDULE

(A) BRICK VENEER: ACME, COLOR - BOURBON STREET



# EXTERIOR ELEVATIONS

DATE: SHEET NO:

MAY 2025

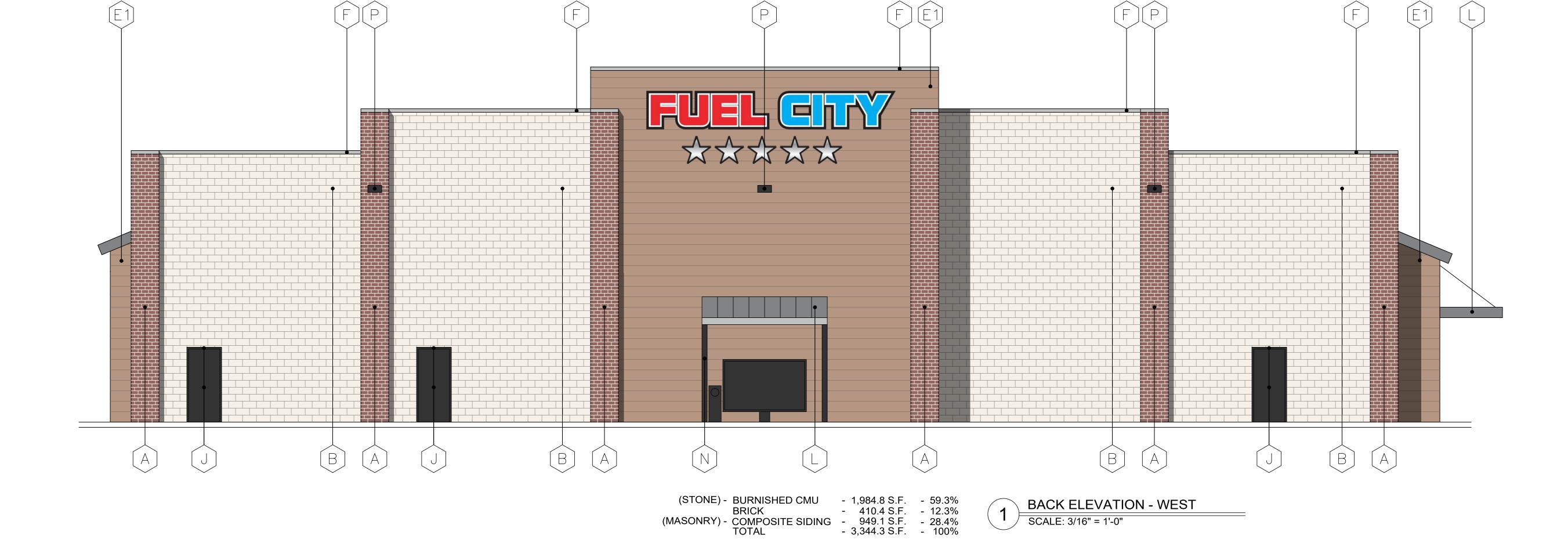
PROJECT NO:

2024074

DRAWN BY:

GL

CHECKED BY:



(STONE) - BURNISHED CMU - 883.1 S.F. - 54.8% BRICK - 326.9 S.F. - 20.3% (MASONRY) - COMPOSITE SIDING TOTAL - 1,612.0 S.F. - 100%

**AIRPORT ROAD** 

SITE LOCATION AIRPORT VICINITY MAP

TREE PRESERVATION LEGEND

EXISTING TREE TO BE REMOVED

L.A. No. 3404 Date 5/15/2025

SHEET NUMBER TP 1.01

CONTRACTOR SHALL NOT REMOVE ANY TREE UNTIL A TREE REMOVAL PERMIT HAS BEEN OBTAINED FROM THE APPLICABLE CITY AUTHORITY. A FORMAL TREE REMOVAL PERMIT MUST BE REQUESTED AND APPROVED PRIOR TO ANY TREE DISTURBANCE OR REMOVAL ACTIVITIES. THESE PLANS DO CONSTITUTE AUTHORIZATION FOR TREE REMOVAL, NOR DO THEY IMPLY APPROVAL FOR SUCH ACTION. APPROVAL OF THESE PLANS BY THE CITY IS REQUIRED AS PART OF THE TREE REMOVAL PERMITTING PROCESS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL REQUIRED PERMITS ARE SECURED PRIOR TO COMMENCING WORK.

> SITE PLAN FOR FUEL CITY - ROCKWALL LOT 2, BLOCK A CORNERSTONE COMMUNITY CHURCH

> > 4.34 ACRES

N. BUTLER SURVEY ABSTRACT NO. 20 City of Rockwall, Rockwall County, Texas Current Zoning: C (Commerical District) Proposed Land Use: Gas Station/ Car Wash Submitted: May 16th, 2025

Rockwall, Texas 75087 Contact: Glennon Langston Phone: 972-732-6085

Dallas, Texas 75207 Contact: Joseph Bickham Phone: 469-203-0159

Carroll Architects
750 E. Interstate 30, Ste. 110
Fuel City
801 S. Riverfront Boulevard,00
Kimley-Horn and Associates, Inc. 225 E. John W Carpenter FWY, Irving, Texas 75062 Contact: Jared Earney, P.E. Phone: 214-420-5600

# TREE PRESERVATION AND REMOVAL NOTES

1. CONTRACTOR SHALL COORDINATE WITH ISA CERTIFIED ARBORIST AND PROPERTY OWNERS TO VERIFY OBJECTIVES PRIOR TO COMMENCING ANY PRUNING OR TREE REMOVAL ACTIVITIES.

2. ALL CREW MEMBERS SHOULD BE WEARING THE APPROPRIATE SAFETY GEAR: HARD HATS, EYE PROTECTION, APPROVED BOOTS, HEARING PROTECTION, CHAIN SAW CHAPS FOR GROUNDWORK.

3. ANY TREES REMOVED, AND ALL TREE MATERIALS REMOVED SHALL BE REMOVED FROM THE PROPERTY AT THE CONTRACTOR'S EXPENSE

4. ALL TRASH AND DEBRIS FROM ANY CONSTRUCTION RELATED ACTIVITIES SHALL BE REMOVED FROM THE SITE AT THE CONTRACTOR'S EXPENSE, FOLLOWING COMPLETION OF THE PROJECT.

5. ANY DAMAGE TO THE EXISTING LANDSCAPE, PAVEMENT, BUILDING, OR ANY OTHER SITE FEATURES SHALL BE REPLACED BY THE CONTRACTOR AND/OR RESTORED TO PRE-CONSTRUCTION CONDITION.

6. CONTRACTOR SHALL PROVIDE REMOVAL, STORAGE, AND TRANSPLANTING OF EXISTING TREES ON SITE. THE CONTRACTOR SHALL REMOVE EACH EXISTING TREE THROUGH THE USE OF HAND DIGGING, OR WITH THE USE OF AN APPROVED MECHANICAL DEVICE. TREES SHALL BE HARVESTED AS BALLED & BURLAPPED TREE SPECIMENS, PER ANSI Z60 STANDARDS, AND TRANSPORTED TO NEW LOCATION ON SITE, OR AT ALTERNATE SITE AS DIRECTED OR APPROVED BY THE OWNER. CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS NECESSARY TO PROVIDE FOR REMOVAL, PLACEMENT OF BURLAP, PLACEMENT OF WIRE BASKET OR OTHER APPROVED BALL-SUPPORTING DEVICE, TRANSPORT TO TEMPORARY STORAGE AREA, ONGOING MAINTENANCE AND WATERING DURING CONSTRUCTION, AND RE-PLANTING TO BE PERFORMED UPON COMPLETION OF MAJOR SITE WORK. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE GUIDELINES AND RECOMMENDATIONS SET FORTH IN THE AMERICAN STANDARDS FOR NURSERY STOCK.

1 1	1		I	1	1					I , , , , , , , , , , , , , , , , , , ,				Γ			T	
<b>TAG# DB</b> 1552 6.	<b>BH</b> 6.2	eastern redcedar	Juniperus virginiana	CONDITION Healthy (5)	MULTIPLE-STEMMED Single	PROTECT OR REMOVE Remove	MITIGATION REQUIRED (IN)	8220 5.5 8221 6.8	eastern redcedar eastern redcedar	Juniperus virginiana  Juniperus virginiana	Healthy (5) Healthy (5)	Single Single	Remove Remove	4	8357 6.3 8358 7.6	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	, , ,
1552 0. 1553 6.	5.2 6.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8222 24.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Multi	Remove	4	8359 6.8	eastern redcedar	Juniperus virginiana	
1554 13.	3.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Multi	Remove	4	8223 5.5	American elm	Ulmus americana	Healthy (5)	Single	Remove	5.5'	8360 6.0	eastern redcedar	Juniperus virginiana	Healthy (5)
1555 8.	3.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8224 24.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4	8361 10.8	hackberry	Celtis laevigata	, , ,
1000	5.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8225 12.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8362 4.8	eastern redcedar	Juniperus virginiana	, , ,
1557 8.	3.7	eastern redeedar	Juniperus virginiana	Healthy (5)	Multi	Remove	4	8226 10.3	eastern redeedar	Juniperus virginiana	Healthy (5)	Single	Remove Remove	4	8363 7.3 8364 4.8	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	<u> </u>
1558 4. 1559 7.	4.5 7.0	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	Healthy (5) Healthy (5)	Single Single	Remove Remove	4	8227 5.1 8228 9.3	eastern redcedar eastern redcedar	Juniperus virginiana  Juniperus virginiana	Healthy (5) Healthy (5)	Single Forked	Remove	<u>4</u> 4	8365 5.6	eastern redcedar	Juniperus virginiana	
1560 10.	0.6	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4	8229 6.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8366 6.0	eastern redcedar	Juniperus virginiana	Healthy (5)
	5.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8230 5.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8367 7.2	eastern redcedar	Juniperus virginiana	• • • • • • • • • • • • • • • • • • • •
1562 6.	6.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8231 11.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8368 6.5	eastern redcedar	Juniperus virginiana	, , ,
1563 6.	5.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8232 4.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8369 7.3 8370 4.8	eastern redcedar hackberry	Juniperus virginiana Celtis laevigata	- ' ' '
1564 12.	2.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Multi	Remove	4	8233 6.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8371 7.0	eastern redcedar	Juniperus virginiana	, , ,
1565 5. 1566 4.	0.1	eastern redeedar	Juniperus virginiana	Healthy (5) Healthy (5)	Single Single	Remove Remove	4	8234 10.6	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8372 6.1	hackberry	Celtis laevigata	
	6.0	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	Healthy (5)	Single	Remove	4	8235   12.0   8236   7.3	hackberry eastern redcedar	Celtis laevigata  Juniperus virginiana	Healthy (5) Healthy (5)	Single Single	Remove Remove	4	8373 7.3	hackberry	Celtis laevigata	Healthy (5)
	5.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8237 5.2	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8374 12.2	hackberry	Celtis laevigata	Declining (1)
1569 5.	5.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8238 5.8	American elm	Ulmus americana	Healthy (5)	Single	Remove	5.8	8375 18.6	hackberry	Celtis laevigata	, , ,
1570 6.	5.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4	8239 5.0	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8376 9.9 8377 5.9	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	
	5.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8240 4.0	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8378 3.6	live oak	Quercus virginiana	, , ,
1572 5. 1573 8.	5.9 B.4	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	Healthy (5) Healthy (5)	Single Single	Remove Remove	4	8241 9.1	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8379 3.1	live oak	Quercus virginiana	
1573 6. 1574 6.		eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4	8242 4.3 8243 22.7	hackberry eastern redcedar	Celtis laevigata  Juniperus virginiana	Healthy (5) Healthy (5)	Single Multi	Remove Remove	4	8380 3.1	live oak	Quercus virginiana	Healthy (5)
1575 7.	7.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8244 7.1	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8381 3.9	live oak	Quercus virginiana	- ' ' '
1576 5.	5.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8245 14.3	American elm	Ulmus americana	Healthy (5)	Forked	Remove	14.3	8382 4.2 8383 3.3	live oak	Quercus virginiana Quercus virginiana	, , ,
	9.9	eastern redcedar	Juniperus virginiana	Healthy (5)	Multi	Remove	4	8246 9.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8384 4.4	live oak	Quercus virginiana	
1578 14.		eastern redcedar	Juniperus virginiana	Healthy (5)	Multi	Remove	4	8247 7.4	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8385 2.6	live oak	Quercus virginiana	Healthy (5)
1579 7. 1580 5.	7.3 5.8	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	Healthy (5) Healthy (5)	Forked Forked	Remove Remove	4	8248 6.5 8249 5.4	eastern redcedar hackberry	Juniperus virginiana  Celtis laevigata	Healthy (5) Healthy (5)	Forked Single	Remove Remove	4	8386 3.1	live oak	Quercus virginiana	
	5.6 6.4	eastern redcedar	Juniperus virginiana  Juniperus virginiana	Healthy (5)	Single	Remove	4	8249 5.4 8250 5.0	hackberry	Celtis laevigata  Celtis laevigata	Healthy (5)	Single	Remove	0	8387 2.9	live oak	Quercus virginians	, , , ,
1582 10.	<del>-                                    </del>	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4	8251 5.3	American elm	Ulmus americana	Healthy (5)	Single	Remove	5.3	8388 3.8 8389 4.2	live oak	Quercus virginiana Quercus virginiana	• • • •
	6.5	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8252 5.2	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8390 3.9	live oak	Quercus virginiana	
	5.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4	8253 4.1	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8391 4.1	live oak	Quercus virginiana	• • • • • • • • • • • • • • • • • • • •
	5.4	eastern redeedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8254 4.4	hackberry	Celtis laevigata	Healthy (5)	Forked	Remove	0	8392 6.2	live oak	Quercus virginiana	, , , ,
1 1 1 1 1	4.5 3.6	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	Healthy (5) Healthy (5)	Multi Single	Remove Remove	4 1	8255 6.2 8256 11.8	hackberry hackberry	Celtis laevigata Celtis laevigata	Healthy (5) Healthy (5)	Multi Multi	Remove Remove	0	8393 4.1	live oak	Quercus virginiana	
1595 6.	5.4	eastern redcedar	Juniperus virginiana  Juniperus virginiana	Healthy (5)	Single	Remove	4	8256 11.8 8257 8.8	hackberry hackberry	Celtis laevigata  Celtis laevigata	Healthy (5)	Single	Remove	0	8394 4.3 8395 5.1	live oak	Quercus virginiana Quercus virginiana	- ' ' '
1597 5.	5.7	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8258 6.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8395 5.1 8396 11.3	eastern redcedar	Juniperus virginiana	
1598 11.	1.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Multi	Remove	4	8259 6.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8397 14.6	eastern redcedar	Juniperus virginiana	
1599 7.	7.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Multi	Remove	4	8260 5.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8398 7.6	eastern redcedar	Juniperus virginiana	Healthy (5)
	5.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Multi	Remove	4	8261 9.8	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8399 8.3	eastern redcedar	Juniperus virginiana	- ' '
1601 5.	5.0	eastern redcedar	Juniperus virginiana	Healthy (5) 1 <b>602-7900 were no</b>	Single	Remove	4	8262 9.5 8263 4.4	hackberry eastern redcedar	Celtis laevigata  Juniperus virginiana	Healthy (5) Healthy (5)	Single Single	Remove Remove	0	8400 7.4	eastern redcedar	Juniperus virginiana	gs 8401-8450 were i
7901 9.	9.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8264 6.1	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8451 6.4	eastern redcedar	Juniperus virginiana	
	6.0	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8265 6.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8452 6.1	eastern redcedar	Juniperus virginiana	
7903 7.	7.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8266 5.1	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8453 6.5	eastern redcedar	Juniperus virginiana	na Healthy (5)
7904 6.	5.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8267 6.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8454 7.1	eastern redcedar	Juniperus virginiana	, , ,
7905 10. 7906 14.	0.3	eastern redcedar eastern redcedar	Juniperus virginiana	Healthy (5) Healthy (5)	Single Forked	Remove Remove	4	8268 7.5	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8455 6.2 8456 8.3	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	, , ,
	8.5	eastern redcedar	Juniperus virginiana Juniperus virginiana	Healthy (5)	Single	Remove	4	8269 5.3 8270 8.2	eastern redcedar hackberry	Juniperus virginiana  Celtis laevigata	Healthy (5) Healthy (5)	Single Single	Remove Remove	0	8457 15.3	eastern redcedar	Juniperus virginiana	
7908 14.		eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4	8271 6.3	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8458 11.3	eastern redcedar	Juniperus virginiana	
7909 6.	6.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8272 8.6	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8459 9.6	eastern redcedar	Juniperus virginiana	a Healthy (5)
7910 7.	7.9	eastern redcedar	Juniperus virginiana	1.114/5\		Damas in	4									<del> </del>		
			<del>-</del>	Healthy (5)	Single	Remove	4	8273 5.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8460 9.8	eastern redcedar	Juniperus virginiana	, , ,
7911 8.	8.7 5.7	eastern redeedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8274 17.2	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	4 0		eastern redcedar d tag series: 1551-1601	<u> </u>	, , ,
7911 8. 7912 5.	5.7	eastern redcedar	Juniperus virginiana Juniperus virginiana	Healthy (5) Healthy (5)	Single Single	Remove Remove	4 4 4	8274 17.2 8275 10.2	hackberry hackberry	Celtis laevigata Celtis laevigata	Healthy (5) Healthy (5)	Single Single	Remove Remove	0		d tag series: 1551-1601	1, 7901-7950, 8201-84	, , ,
7911 8. 7912 5. 7913 16.	5.7		Juniperus virginiana	Healthy (5)	Single	Remove	4 4 4 4	8274 17.2	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	4 0 0 0 0 4	Kimley-Horn re	d tag series: 1551-1601	1, 7901-7950, 8201-84	100, and 8451-8460.
7911 8. 7912 5. 7913 16. 7914 8. 7915 6.	5.7 6.6 8.8 6.7	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana Juniperus virginiana Juniperus virginiana Juniperus virginiana	Healthy (5) Healthy (5) Healthy (5) Healthy (5) Healthy (5) Healthy (5)	Single Single Multi Forked Single	Remove Remove Remove Remove Remove	4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8	hackberry hackberry hackberry	Celtis laevigata Celtis laevigata Celtis laevigata	Healthy (5) Healthy (5) Healthy (5)	Single Single Forked	Remove Remove	0	Kimley-Horn red	tag series: 1551-1601  TREE MITIGAT	1, 7901-7950, 8201-84	, , ,
7911 8. 7912 5. 7913 16. 7914 8. 7915 6. 7916 6.	5.7 5.6 8.8 6.7 6.3	eastern redcedar eastern redcedar eastern redcedar eastern redcedar eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single	Remove Remove Remove Remove Remove Remove Remove	4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana	Healthy (5)	Single Single Forked Single Single Single	Remove Remove Remove Remove Remove Remove Remove	0 0 4 4 4	Total Mitigation Total Provided I	d tag series: 1551-1601	1, 7901-7950, 8201-84	100, and 8451-8460.
7911 8. 7912 5. 7913 16. 7914 8. 7915 6. 7916 6. 7917 14.	5.7 5.6 3.8 6.7 6.3 4.2	eastern redcedar eastern redcedar eastern redcedar eastern redcedar eastern redcedar eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi	Remove Remove Remove Remove Remove Remove Remove Remove	4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata	Healthy (5)	Single Single Forked Single Single Single Single Single	Remove Remove Remove Remove Remove Remove Remove Remove	0 0 4 4 4 0	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 4" Cal.	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental	1, 7901-7950, 8201-84	100, and 8451-8460.
7911 8. 7912 5. 7913 16. 7914 8. 7915 6. 7916 6. 7917 14. 7918 8.	5.7 5.6 8.8 6.7 6.3	eastern redcedar eastern redcedar eastern redcedar eastern redcedar eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove Remove Remove Remove Remove Remove Remove	4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata	Healthy (5)	Single Single Forked Single Single Single Single Single Single Single	Remove Remove Remove Remove Remove Remove Remove Remove Remove	0 0 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal.	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental	1, 7901-7950, 8201-84	883.5 312
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.	5.7 5.6 3.8 6.7 6.3 4.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi	Remove	4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata	Healthy (5)	Single Single Forked Single Single Single Single Single	Remove Remove Remove Remove Remove Remove Remove Remove	0 0 4 4 4 0	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental Needed	ΠΟΝ	312 571.5
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.	5.7 6.6 3.8 6.7 6.3 4.2 3.5 7.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Multi Single Single	Remove	4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata	Healthy (5)	Single Single Forked Single Single Single Single Single Single Single Single	Remove	0 0 4 4 4 0 0	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal.	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental Needed	ΠΟΝ	883.5 312
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.	5.7 6.6 3.8 6.7 6.3 4.2 8.5 7.3 5.9 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Single Single Single Single Single Single Single	Remove	4 4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata	Healthy (5)	Single Single Forked Single Single Single Single Single Single Single Single Single	Remove	0 0 4 4 4 0 0 0	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental Needed	ΠΟΝ	312 571.5
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Single Single Single Single Single Single Single Forked	Remove	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata	Healthy (5) Declining (1) Healthy (5) Healthy (5)	Single Single Forked Single	Remove	0 0 4 4 4 0 0 0	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental Needed	ΠΟΝ	312 571.5
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.	5.7 6.6 3.8 6.7 6.3 4.2 8.5 7.3 5.9 6.8 0.2 2.5 3.5	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Single Single Single Single Single Single Forked Forked	Remove	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 4 4 4 0 0 0	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental Needed	ΠΟΝ \$ 114,	883.5 312 571.5 ,300.00
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Single Single Single Single Single Single Single Forked	Remove	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata	Healthy (5) Declining (1) Healthy (5) Healthy (5) Healthy (5) Healthy (5) Healthy (5) Healthy (5)	Single Single Forked Single	Remove	0 0 4 4 4 0 0 0	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation Total Mitigation Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost	1, 7901-7950, 8201-84	883.5 312 571.5 ,300.00
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.         7925       8.         7927       7.	5.7 6.6 3.8 6.7 6.3 4.2 8.5 7.3 5.9 6.8 0.2 2.5 3.5	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Forked Forked Single Single	Remove	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7	hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 4 4 4 0 0 0	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation Total Mitigation Total Mitigation  NOTE: CONTRACT HAS BEEN	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost	1, 7901-7950, 8201-84	312 571.5 ,300.00 TREE UNTIL A T
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.         7925       8.         7926       7.         7928       5.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Forked Forked Single Single Single	Remove	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation Total Mitigation Total Mitigation Total Mitigation REMOVAL	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental So" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B	REMOVE ANY TO THE APPLICAL REQUESTED A	571.5 ,300.00  TREE UNTIL A TABLE CITY AUTH
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.         7925       8.         7927       7.         7928       5.         7929       8.	5.7 5.6 3.8 5.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Forked Forked Forked Single Single Single Single	Remove	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3       8292     7.4	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation Total Mitigation Total Mitigation  NOTE: CONTRACT HAS BEEN REMOVAL DISTURBA	TREE MITIGAT Required Inches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental So" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B	REMOVE ANY TO THE APPLICAL ACTIVITIES.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.         7925       8.         7926       7.         7928       5.         7929       8.         7930       7.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 7.6 7.4 5.8 3.7 7.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Forked Forked Single Single Single Single Single	Remove	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3       8293     12.4	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation Total Mitigation Total Mitigation Total Mitigation HAS BEEN REMOVAL DISTURBA AUTHORIZ	TREE MITIGAT Required Inches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE	REMOVE ANY TO THE APPLICATION THE APPLICATION AL ACTIVITIES. TERMOVAL, NO	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.         7925       8.         7927       7.         7928       5.         7929       8.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 7.6 7.4 5.8 3.7 7.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Forked Forked Forked Single Single Single Single	Remove	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3       8292     7.4       8293     12.4       8294     8.3	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation Total Mitigation Total Mitigation Total Mitigation ANOTE: CONTRACT HAS BEEN REMOVAL DISTURBA AUTHORIZ SUCH ACT	TREE MITIGAT Required Inches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 150" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE	REMOVE ANY TO ALL ACTIVITIES. TERMOVAL, NO OF THESE PLAN	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.         7925       8.         7926       7.         7928       5.         7929       8.         7930       7.         7931       4.         7932       7.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 7.6 7.4 5.8 3.7 7.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Forked Forked Forked Single Single Single Single Single Single Single	Remove		8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3       8293     12.4	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation Total Mitigation Total Mitigation Total Mitigation  NOTE: CONTRACT HAS BEEN REMOVAL DISTURBA AUTHORIZ SUCH ACT OF THE TR	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911       8.         7912       5.         7913       16.         7914       8.         7915       6.         7916       6.         7917       14.         7918       8.         7919       7.         7920       5.         7921       6.         7922       10.         7923       12.         7924       13.         7925       8.         7927       7.         7928       5.         7929       8.         7930       7.         7931       4.         7932       7.         7933       9.         7934       14.	5.7 5.6 8.8 6.7 6.3 4.2 8.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 4.2 7.1 9.8 4.2	eastern redcedar	Juniperus virginiana Sideroxylon lanuginosum Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove		8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3       8292     7.4       8293     12.4       8294     8.3       8295     12.2	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7927         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 7.6 7.4 5.8 8.7 7.4 4.2 7.1 9.8 4.2 8.9	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove		8274       17.2         8275       10.2         8276       13.8         8277       7.8         8278       5.9         8279       5.1         8280       4.2         8281       5.1         8282       4.3         8283       4.7         8284       12.1         8285       5.2         8286       6.2         8287       12.6         8288       6.7         8289       4.9         8290       16.8         8291       11.3         8292       7.4         8293       12.4         8294       8.3         8295       12.2         8296       7.9         8297       4.6         8298       7.1	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation Total Mitigation Total Mitigation Total Mitigation  NOTE: CONTRACT HAS BEEN REMOVAL DISTURBA AUTHORIZ SUCH ACT OF THE TR	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7927         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.	5.7 5.6 3.8 5.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 4.2 7.1 9.8 4.2 3.9 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove		8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3       8292     7.4       8293     12.4       8294     8.3       8295     12.2       8296     7.9       8297     4.6       8298     7.1       8299     8.8	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 7.6 7.4 5.8 8.7 7.4 4.2 7.1 9.8 4.2 8.9	eastern redcedar	Juniperus virginiana Celtis laevigata	Healthy (5)	Single Single Multi Forked Single Single Multi Single Multi Single Single Single Single Single Single Single Single Forked Forked Forked Single	Remove	0 4 4 4 4	8274       17.2         8275       10.2         8276       13.8         8277       7.8         8278       5.9         8279       5.1         8280       4.2         8281       5.1         8282       4.3         8283       4.7         8284       12.1         8285       5.2         8286       6.2         8287       12.6         8288       6.7         8289       4.9         8290       16.8         8291       11.3         8292       7.4         8293       12.4         8294       8.3         8295       12.2         8296       7.9         8297       4.6         8298       7.1         8299       8.8         8300       5.2	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.	5.7 6.6 8.8 6.7 6.3 4.2 8.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 4.2 7.1 9.8 4.2 3.9 6.8 7.5 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3       8292     7.4       8293     12.4       8294     8.3       8295     12.2       8296     7.9       8297     4.6       8298     7.1       8299     8.8	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.	5.7 6.6 8.8 6.7 6.3 4.2 8.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 4.2 7.1 9.8 4.2 3.9 6.8 7.5 6.8	eastern redcedar	Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4	8274       17.2         8275       10.2         8276       13.8         8277       7.8         8278       5.9         8279       5.1         8280       4.2         8281       5.1         8282       4.3         8283       4.7         8284       12.1         8285       5.2         8286       6.2         8287       12.6         8288       6.7         8289       4.9         8290       16.8         8291       11.3         8292       7.4         8293       12.4         8294       8.3         8295       12.2         8296       7.9         8297       4.6         8298       7.1         8299       8.8         8300       5.2         8301       5.9	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
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7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7941         8.           7942         6.           7943         7.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 4.2 7.1 9.8 4.2 3.7 7.4 4.2 7.1 9.8 4.2 5.8 6.8 6.7 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 0 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7941         8.           7942         6.           7943         7.           7943         7.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 7.1 9.8 4.2 6.8 6.7 6.8 6.8 6.7 7.4 6.8 6.8 6.7 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 0 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7941         8.           7942         6.           7943         7.           7945         6.	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 7.1 9.8 4.2 6.8 6.7 6.8 6.8 6.7 7.4 6.8 6.8 6.7 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 0 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7927         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7941         8.           7942         6.           7943         7.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 3.9 6.8 6.7 6.8 6.7 6.8 6.8 6.7 7.4 6.8 6.8 6.7 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 0 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8306         14.0           8307         9.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7943         7.           7943         7.           7945         6.           7946         8.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 3.9 6.8 7.5 5.8 6.7 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.5 6.8 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.5 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 0 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7927         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7941         8.           7942         6.           7943         7.           7946         8.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 7.1 9.8 4.2 7.1 9.8 6.8 6.7 6.8 6.8 6.7 7.4 6.8 6.8 6.7 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7943         7.           7945         6.           7946         8.           7947         6.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 7.1 9.8 4.2 7.1 9.8 6.8 6.7 6.8 6.8 6.7 7.4 6.8 6.8 6.7 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 0 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A  BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH ED PERMITS A</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 0 0 0 0 0 0 0 0 0 4 0 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A  BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH ED PERMITS A
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7941         8.           7942         6.           7943         7.           7948         6.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 7.1 9.8 4.2 7.1 9.8 4.2 7.5 5.8 6.8 7.3 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	312 571.5 ,300.00  TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7943         7.           7945         6.           7947         6.           7948         6.           794	5.7 5.7 6.6 8.8 6.7 6.3 4.2 8.5 7.3 5.9 6.8 0.2 2.5 3.5 8.7 7.6 7.4 4.2 7.1 9.8 4.2 7.1 9.8 4.2 8.7 7.4 4.2 7.1 9.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A  BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH ED PERMITS A</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A  BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH ED PERMITS A
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7943         7.           7945         6.           7946         8.           7947         6.           794	5.7 5.7 6.6 8.8 6.7 6.3 4.2 8.5 7.3 5.9 6.8 0.2 2.5 3.5 8.7 7.6 7.4 4.2 7.1 9.8 4.2 7.1 9.8 4.2 8.7 7.4 4.2 7.1 9.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A  BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH ED PERMITS A</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A  BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH ED PERMITS A
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7943         7.           7945         6.           7946         8.           7947         6.           794	5.7 5.7 6.6 8.8 6.7 6.3 4.2 8.5 7.3 5.9 6.8 0.2 2.5 3.5 8.7 7.6 7.4 5.8 8.7 7.4 4.2 7.1 9.8 4.2 8.9 6.8 6.7 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.8 6.7 7.4 6.8 6.8 6.7 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single   Single   Multi   Forked   Single   Multi   Single   Sin	Remove	0 4 4 4 4 0 0 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A TABLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY CESS. IT IS THE ED PERMITS A TABLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY CESS. IT IS THE ED PERMITS A TABLE CITY AUTH AND APPROVE AND A THE CITY CESS. IT IS THE ED PERMITS A TABLE CORN.</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A TABLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY CESS. IT IS THE ED PERMITS A TABLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY CESS. IT IS THE ED PERMITS A TABLE CITY AUTH AND APPROVE AND A THE CITY CESS. IT IS THE ED PERMITS A TABLE CORN.
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7941         8.           7942         6.           7943         7.           7946         8.           7947         6.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 7.1 9.8 4.2 7.1 9.8 6.8 6.7 6.8 6.7 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single   Single   Multi   Forked   Single   Si	Remove	0 4 4 4 4 0 0 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8309         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Juniperus virginiana Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CORN N. City</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Juniperus virginiana Juniperus virginiana Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CORN N. City
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7943         7.           7945         6.           7947         6.           7948         6.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 3.9 6.8 7.5 5.8 6.7 6.8 6.7 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.5 6.8 6.8 7.5 6.8 6.8 7.5 6.8 6.8 7.5 6.8 6.8 7.5 6.8 6.8 7.5 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 0 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A TOUR AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CUTY CUTY CUTY CUTY CUTY</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A TOUR AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CUTY CUTY CUTY CUTY CUTY
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7943         7.           7948         6.           7949         8.           7950         11.           82	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 7.1 9.8 4.2 7.1 9.8 6.8 6.7 6.8 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single   Single   Multi   Forked   Single   Si	Remove	0 4 4 4 4 0 0 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CORN N. City</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CORN N. City
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7927         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7943         7.           7945         6.           7947         6.           794	5.7 5.7 6.6 8.8 6.7 6.3 4.2 8.5 7.3 5.9 6.8 7.2 2.5 3.5 8.7 7.6 7.4 4.2 7.1 9.8 4.2 3.7 7.4 4.2 7.1 9.8 6.8 6.7 7.4 6.8 6.8 6.7 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0 4 4 4 4 0 0 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A TOUR AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CUTY CUTY CUTY CUTY CUTY</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A TOUR AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CUTY CUTY CUTY CUTY CUTY
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7927         7.           7928         5.           7929         8.           7930         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7940         6.           7943         7.           7945         6.           7947         6.           7948         6.           7949         8.           795	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 7.1 9.8 4.2 7.1 9.8 4.2 7.1 9.8 6.8 6.7 6.8 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 6.8 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single	Remove	0 4 4 4 4 0 0 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A TOUR AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CUTY CUTY CUTY CUTY CUTY</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A TOUR AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY OCESS. IT IS THE ED PERMITS A CUTY CUTY CUTY CUTY CUTY
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7927         7.           7928         5.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7937         7.           7938         5.           7939         6.           7941         8.           7945         6.           7946         8.           7947         6.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 3.9 6.8 6.7 6.8 6.7 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.7 6.8 6.7 6.8 6.7 6.8 6.7 6.8 6.7 6.8 6.8 6.7 6.8 6.7 6.8 6.7 6.8 6.8 6.7 6.8 6.8 6.7 6.8 6.8 6.7 6.8 6.7 6.8 6.8 6.7 6.7 6.8 6.7 6.7 6.8 6.7 6.7 6.8 6.7 6.7 6.8 6.7 6.7 6.8 6.7 6.7 6.8 6.7 6.7 6.8 6.7 6.7 6.8 6.7 6.7 6.7 6.8 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single	Remove	0 4 4 4 4 0 0 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH ED PERMITS A  Architect: Carroll Architects</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CIT OCESS. IT IS TH ED PERMITS A  Architect: Carroll Architects
7911         8.           7912         5.           7913         16.           7914         8.           7915         6.           7916         6.           7917         14.           7918         8.           7919         7.           7920         5.           7921         6.           7922         10.           7923         12.           7924         13.           7925         8.           7926         7.           7928         5.           7929         8.           7920         7.           7928         5.           7929         8.           7929         8.           7930         7.           7931         4.           7932         7.           7933         9.           7934         14.           7935         8.           7936         16.           7947         6.           7948         6.           7949         8.           7940         6.           794	5.7 5.6 3.8 6.7 6.3 4.2 3.5 7.3 5.9 6.8 0.2 2.5 3.5 3.7 7.6 7.4 5.8 3.7 7.4 4.2 7.1 9.8 4.2 7.1 9.8 4.2 7.1 9.8 6.8 7.5 6.8 6.7 6.8 6.7 7.4 6.8 6.7 7.4 6.8 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 7.4 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single	Remove	0 4 4 4 4 0 0 4 4 4 4 4 4 4 4 4 4 4 4 4	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Si</td> <td>Remove Remove Remove</td> <td>0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation Total Mitigation</td> <td>TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR</td> <td>REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.</td> <td>TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY CESS. IT IS THE ED PERMITS A Architect:</td>	hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single Si	Remove	0 0 0 4 4 4 4 0 0 0 0 0 0 0 4 4 4 4 4 4	Total Mitigation Total Provided I Trees at 4" Cal. Trees at 3" Cal. Total Mitigation	TREE MITIGAT Required nches 26-Canopy 104", 37 Ornamental 148", 20 Ornamental 50" Needed Cost  TOR SHALL NOT OBTAINED FROM PERMIT MUST B NCE OR REMOVA ATION FOR TREE ION. APPROVAL EE REMOVAL PE BILITY TO ENSUR	REMOVE ANY TO THE APPLICATION THE APPLICATION THE APPLICATION TO THE REMOVAL, NO THESE PLANTERMITTING PROPERTY.	TREE UNTIL A BLE CITY AUTH AND APPROVE THESE PLANS OR DO THEY IM NS BY THE CITY CESS. IT IS THE ED PERMITS A Architect:

1	-:-		, ,	, (5)		,,	
358	7.6	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
359	6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
360	6.0	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
61	10.8	hackberry	Celtis laevigata	Healthy (5)	Forked	Remove	0
362	4.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
63	7.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
364	4.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
365	5.6	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
366	6.0	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
367	7.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
368			Juniperus virginiana			Remove	4
	6.5	eastern redcedar	· -	Healthy (5)	Single		
369	7.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
370	4.8	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0
371	7.0	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
372	6.1	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0
373	7.3	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0
374	12.2	hackberry	Celtis laevigata	Declining (1)	Single	Remove	0
375	18.6	hackberry	Celtis laevigata	Healthy (5)	Forked	Remove	0
376	9.9	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
377	5.9	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
378	3.6	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.6
379	3.1	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.1
380	3.1	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.1
381	3.9	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.9
382	4.2	live oak	Quercus virginiana	Healthy (5)	Single	Remove	4.2
383	3.3	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.3
384	4.4	live oak	Quercus virginiana	Healthy (5)	Single	Remove	4.4
385	2.6	live oak	Quercus virginiana	Healthy (5)	Single	Remove	2.6
386	3.1	live oak	Quercus virginiana  Quercus virginiana	Healthy (5)	Single	Remove	3.1
387	2.9						2.9
		live oak	Quercus virginiana	Healthy (5)	Single	Remove	
388	3.8	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.8
389	4.2	live oak	Quercus virginiana	Healthy (5)	Single	Remove	4.2
390	3.9	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.9
391	4.1	live oak	Quercus virginiana	Healthy (5)	Single	Remove	4.1
392	6.2	live oak	Quercus virginiana	Healthy (5)	Forked	Remove	6.2
393	4.1	live oak	Quercus virginiana	Healthy (5)	Single	Remove	4.1
394	4.3	live oak	Quercus virginiana	Healthy (5)	Single	Remove	4.3
395	5.1	live oak	Quercus virginiana	Healthy (5)	Forked	Remove	5.1
396	11.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4
397	14.6	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4
398	7.6	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
399	8.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
400	7.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
			· · ·	401-8450 were not			-
451	6.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
452	6.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
453	6.5	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
454	7.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
454 455			Juniperus virginiana  Juniperus virginiana		_		
	6.2	eastern redcedar		Healthy (5)	Single	Remove	4
456 457	8.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4
457	15.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
	11.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
458		eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4
458 459 460	9.6 9.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4

Remove

ONTRACTOR SHALL NOT REMOVE ANY TREE UNTIL A TREE REMOVAL PERMIT IAS BEEN OBTAINED FROM THE APPLICABLE CITY AUTHORITY. A FORMAL TREE EMOVAL PERMIT MUST BE REQUESTED AND APPROVED PRIOR TO ANY TREE ISTURBANCE OR REMOVAL ACTIVITIES. THESE PLANS DO CONSTITUTE AUTHORIZATION FOR TREE REMOVAL, NOR DO THEY IMPLY APPROVAL FOR SUCH ACTION. APPROVAL OF THESE PLANS BY THE CITY IS REQUIRED AS PART F THE TREE REMOVAL PERMITTING PROCESS. IT IS THE CONTRACTOR'S ESPONSIBILITY TO ENSURE ALL REQUIRED PERMITS ARE SECURED PRIOR TO OMMENCING WORK.

> SITE PLAN FOR FUEL CITY - ROCKWALL LOT 2, BLOCK A CORNERSTONE COMMUNITY CHURCH 4.34 ACRES

N. BUTLER SURVEY ABSTRACT NO. 20 City of Rockwall, Rockwall County, Texas Current Zoning: C (Commerical District) Proposed Land Use: Gas Station/ Car Wash Submitted: May 16th, 2025

Contact: Glennon Langston Phone: 972-732-6085

Contact: Joseph Bickham Phone: 469—203—0159

Architect:

Carroll Architects
750 E. Interstate 30, Ste. 110
Rockwall, Texas 75087

Controll, Clarge 75088

Engineer:

Kimley-Horn and Associates, Inc. 225 E. John W Carpenter FWY, Suite 1100

Suite 1100

Suite 1100

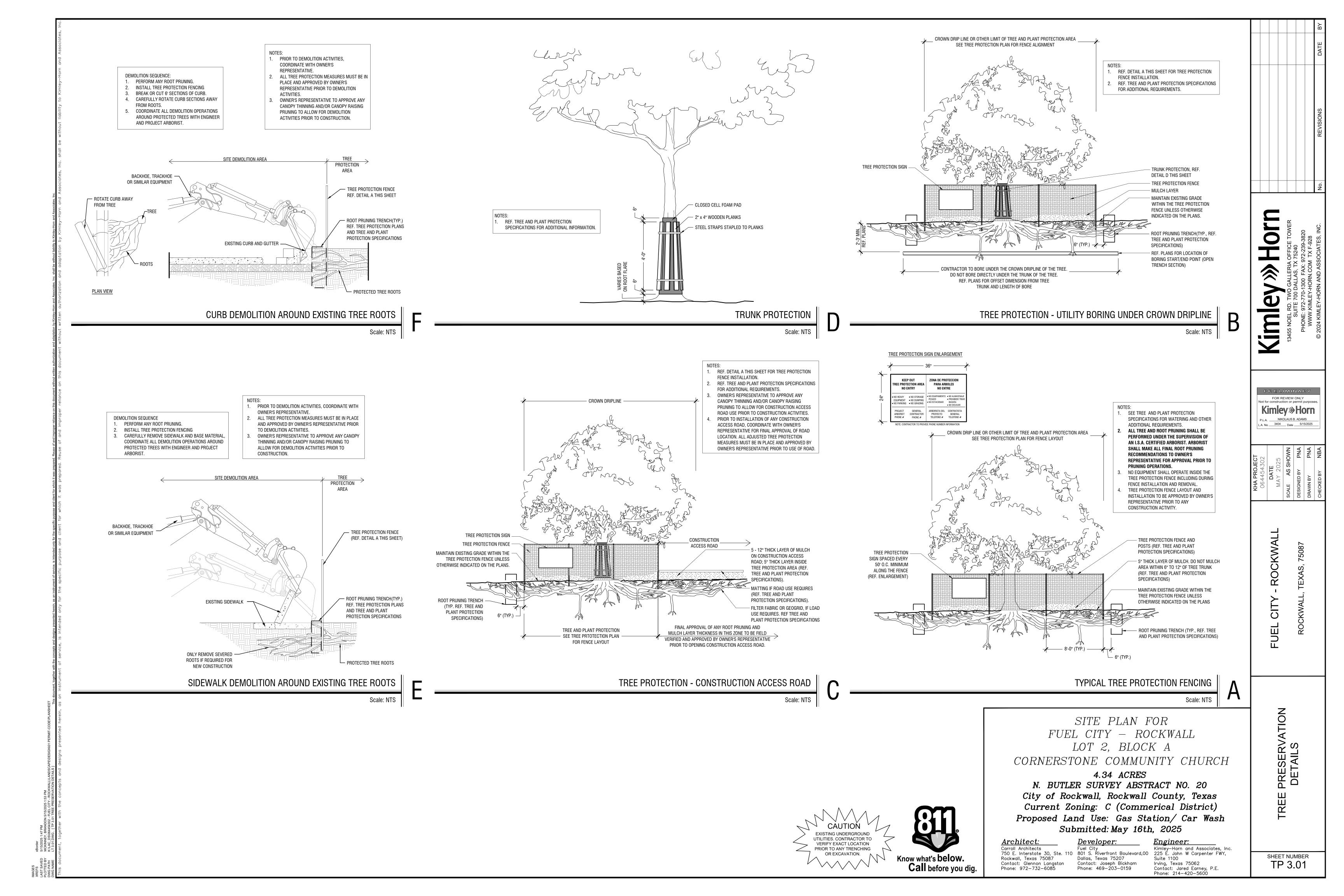
Figure 75088 Irving, Texas 75062 Contact: Jared Earney, P.E. Phone: 214—420—5600

FOR REVIEW ONLY
Not for construction or permit purpose

**Kimley Morn** 

P.L.A. NIKOLAUS B. ADAMS L.A. No. 3404 Date 5/15/2025

SHEET NUMBER TP 1.02



SHALL CONSIST OF SPECIFICATIONS AND GENERAL CONDITIONS AND THE DRAWINGS. THE INTENT OF THESE DOCUMENTS IS TO INCLUDE ALL LABOR, MATERIALS, AND SERVICES NECESSARY FOR THE PROPER EXECUTION OF THE WORK. THE DOCUMENTS ARE TO BE CONSIDERED AS ONE. WHATEVER IS CALLED FOR BY ANY PARTS SHALL BE AS BINDING AS IF

IT IS THE INTENT OF THIS SECTION THAT THE REQUIREMENTS APPLY TO ALL OTHER SECTIONS OF THE PROJECT SPECIFICATION SUCH THAT ANY SUBCONTRACTOR MUST COMPLY WITH THE RESTRICTIONS ON WORK WITHIN DESIGNATED

#### 1.3 RELATED DOCUMENTS AND REFERENCES

1. DRAWINGS AND GENERAL PROVISIONS OF CONTRACT INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND A. HEAVY-DUTY PLASTIC LAMINATED OR CORRUGATED PLASTIC SIGNS, 24 INCHES X 36 INCHES, WHITE COLORED DIVISION I SPECIFICATIONS APPLY TO WORK OF THIS SECTION. 2. IRRIGATION SPECIFICATIONS

3. PLANTING SPECIFICATIONS

REFERENCES: THE FOLLOWING SPECIFICATIONS AND STANDARDS OF THE ORGANIZATIONS AND DOCUMENTS LISTED IN 2.2 MATTING SPECIFICATION SECTION, THE REQUIREMENTS OF THIS SPECIFICATION SHALL PREVAIL. IN THE EVENT THAT THE REQUIREMENTS OF ANY OF THE FOLLOWING REFERENCED STANDARDS AND SPECIFICATIONS CONFLICT WITH EACH OTHER, 2.3 GEOGRID

THE MORE STRINGENT REQUIREMENT SHALL PREVAIL. 1. ANSI A300 - STANDARD PRACTICES FOR TREE, SHRUB AND OTHER WOODY PLANT MAINTENANCE (9 PARTS), MOST

2. INTERNATIONAL SOCIETY OF ARBORICULTURE BEST MANAGEMENT PRACTICES (ISA BMP) MOST CURRENT EDITIONS.

a. TREE PRUNING b. SOIL MANAGEMENT FOR URBAN TREES

c. Tree Support Systems: Cabling, Bracing, Guying, and Propping

d. TREE LIGHTING PROTECTION SYSTEMS e. MANAGING TREES DURING CONSTRUCTION

f. TREE PLANTING

g. TREE RISK ASSESSMENT

h. TREE INVENTORY

j. TREE INJECTIONS

k. Tree and shrub fertilization

INTEGRATED PEST MANAGEMENT

3. PRUNING PRACTICES SHALL CONFORM WITH RECOMMENDATIONS "STRUCTURAL PRUNING: A GUIDE FOR THE GREEN INDUSTRY"; PUBLISHED BY URBAN TREE FOUNDATION, VISALIA, CALIFORNIA; MOST CURRENT EDITION. 4. GLOSSARY OF ARBORICULTURAL TERMS, INTERNATIONAL SOCIETY OF ARBORICULTURE, CHAMPAIGN IL, MOST CURRENT EDITION.

ALL SCALED DIMENSIONS ON THE DRAWINGS ARE APPROXIMATE. BEFORE PROCEEDING WITH ANY WORK, THE CONTRACTOR SHALL CAREFULLY CHECK AND VERIFY ALL DIMENSIONS AND QUANTITIES, AND SHALL IMMEDIATELY INFORM 3.3 TREE AND PLANT PROTECTION AREA: THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES BETWEEN THE INFORMATION ON THE DRAWINGS AND THE ACTUAL CONDITIONS, REFRAINING FROM DOING ANY WORK IN SAID AREAS UNTIL GIVEN APPROVAL TO DO SO BY THE OWNER'S REPRESENTATIVE.

THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS RELATED TO THIS SECTION OF THE WORK UNLESS PREVIOUSLY EXCLUDED UNDER PROVISION OF THE CONTRACT OR GENERAL CONDITIONS. THE CONTRACTOR SHALL SPECIFIED. IF THE CONTRACTOR OBSERVES THAT A CONFLICT EXISTS BETWEEN PERMIT REQUIREMENTS AND THE WORK OUTLINED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER'S REPRESENTATIVE IN WRITING INCLUDING A DESCRIPTION OF ANY NECESSARY CHANGES AND CHANGES TO THE CONTRACT PRICE RESULTING FROM CHANGES IN THE WORK.

WHEREVER REFERENCES ARE MADE TO STANDARDS OR CODES IN ACCORDANCE WITH WHICH WORK IS TO BE PERFORMED OR TESTED. THE EDITION OR REVISION OF THE STANDARDS AND CODES CURRENT ON THE EFFECTIVE DATE OF THIS CONTRACT SHALL APPLY, UNLESS OTHERWISE EXPRESSLY SET FORTH.

IN CASE OF CONFLICT AMONG ANY REFERENCED STANDARDS OR CODES OR BETWEEN ANY REFERENCED STANDARDS AND CODES AND THE SPECIFICATIONS, THE MORE RESTRICTIVE STANDARD OR CODE SHALL APPLY OR OWNER'S REPRESENTATIVE SHALL DETERMINE WHICH SHALL GOVERN.

1.6 PROTECTION OF WORK, PROPERTY AND PERSON THE CONTRACTOR SHALL PROTECT THE WORK, ADJACENT PROPERTY, AND THE PUBLIC, AND SHALL BE RESPONSIBLE FOR 3.5 SOIL MOISTURE

ANY DAMAGES OR INJURY DUE TO HIS/HER ACTIONS 1.7 CHANGES IN THE WORK THE OWNER'S REPRESENTATIVE MAY ORDER CHANGES IN THE WORK. AND THE CONTRACT SUM SHOULD BE ADJUSTED

ACCORDINGLY. ALL SUCH ORDERS AND ADJUSTMENTS PLUS CLAIMS BY THE CONTRACTOR FOR EXTRA COMPENSATION MUST BE MADE AND APPROVED IN WRITING BEFORE EXECUTING THE WORK INVOLVED.

THE CONTRACTOR SHALL RE-EXECUTE ANY WORK THAT FAILS TO CONFORM TO THE REQUIREMENTS OF THE CONTRACT AND SHALL REMEDY DEFECTS DUE TO FAULTY MATERIALS OR WORKMANSHIP UPON WRITTEN NOTICE FROM THE OWNER'S REPRESENTATIVE AT THE SOONEST POSSIBLE TIME THAT CAN BE COORDINATED WITH OTHER WORK AND SEASONAL

1.9 DEFINITIONS

ALL TERMS IN THIS SPECIFICATION SHALL BE AS DEFINED IN THE "GLOSSARY OF ARBORICULTURAL TERMS" OR AS MODIFIED BELOW.

1. OWNER'S REPRESENTATIVE: THE PERSON APPOINTED BY THE OWNER TO REPRESENT THEIR INTEREST IN THE REVIEW AND APPROVAL OF THE WORK AND TO SERVE AS THE CONTRACTING AUTHORITY WITH THE CONTRACTOR. THE OWNER'S REPRESENTATIVE MAY APPOINT OTHER PERSONS TO REVIEW AND APPROVE ANY ASPECTS OF THE WORK. 2. REASONABLE AND REASONABLY: WHEN USED IN THIS SPECIFICATION IS INTENDED TO MEAN THAT THE CONDITIONS

SPECIFICATION RECOGNIZES THAT PLANTS ARE NOT FREE OF DEFECTS, AND THAT PLANT CONDITIONS CHANGE WITH TIME. THIS SPECIFICATION ALSO RECOGNIZES THAT SOME DECISIONS CANNOT BE TOTALLY BASED ON MEASURED FINDINGS AND THAT PROFESSION JUDGMENT IS REQUIRED. IN CASES OF DIFFERING OPINION, THE OWNER'S REPRESENTATIVE EXPERT SHALL DETERMINE WHEN CONDITIONS WITHIN THE PLANT ARE JUDGED AS REASONABLE.

CITED WILL NOT AFFECT THE ESTABLISHMENT OR LONG TERM STABILITY, HEALTH OR GROWTH OF THE PLANT. THIS

3. SHRUB: WOODY PLANTS WITH MATURE HEIGHT APPROXIMATELY LESS THAN 25 FEET.

VEGETATION TO BE PROTECTED DURING CONSTRUCTION, AND DEFINED BY A CIRCLE CENTERED ON THE TRUNK WITH EDITION. EACH TREE WITH A RADIUS EQUAL TO THE CLOWN DRIPLINE UNLESS OTHERWISE INDICATED BY THE OWNER'S REPRESENTATIVE OR THE CONSTRUCTION DRAWINGS

5. TREE: SINGLE AND MULTI-STEMMED PLANTS, INCLUDING PALMS WITH ANTICIPATED MATURE HEIGHT APPROXIMATELY GREATER THAN 25 FEET OR ANY PLANT IDENTIFIED ON THE PLANS AS A TREE.

#### 1.10 SUBMITTALS ARBORIST REPORT

A CONSULTING ARBORIST WHO IS A REGISTERED CONSULTING ARBORIST® (RCA) WITH AMERICAN SOCIETY OF CONSULTING ARBORISTS OR AN ISA BOARD CERTIFIED ARBORIST. WHICH DETAILS THE FOLLOWING INFORMATION FOR ALL TREES TO REMAIN WITHIN THE AREA DESIGNATED ON THE DRAWINGS AS THE TREE AND PLANT PROTECTION AREA. THE REPORT SHALL INCLUDE THE FOLLOWING

a. A DESCRIPTION OF EACH TREE TO REMAIN INDICATING ITS GENUS AND SPECIES, CONDITION INCLUDING ANY VISIBLI DAMAGE TO THE ROOT SYSTEM OR SOIL WITHIN THE ROOT ZONE. TREE DIAMETER AT BREAST HEIGHT (DBH) AND APPROXIMATE HEIGHT AND CANOPY SPREAD, SIZE AND ANY VISIBLE DISEASE, INSECT INFESTATIONS AND OR BRANCH AND TRUNK STRUCTURAL DEFICIENCIES.

b. THE REPORT SHALL NOTE ALL TREES OR PARTS OF TREES, WHICH ARE CONSIDERED A HAZARD OR SIGNIFICANT OR EXTREME RISK LEVEL. INCLUDE THE INTERNATIONAL SOCIETY OF ARBORICULTURE HAZARD EVALUATION SHEET FOR B. EACH TREE, WHICH MAY REASONABLY BE IDENTIFIED AS A POTENTIAL HAZARD TREE.

c. RECOMMENDATIONS AS TO TREATMENT OF ALL INSECT, DISEASE AND STRUCTURAL PROBLEMS ENCOUNTERED. d. RECOMMENDATIONS FOR FERTILIZER TREATMENTS. IF ANY.

e. A PLAN OF THE SITE SHOWING THE LOCATION OF ALL TREES INCLUDED IN THE REPORT. PRODUCT DATA

1. SUBMIT MANUFACTURER PRODUCT DATA AND LITERATURE DESCRIBING ALL PRODUCTS REQUIRED BY THIS SECTION TO THE OWNER'S REPRESENTATIVE FOR APPROVAL. PROVIDE SUBMITTAL BEFORE THE START OF ANY WORK AT THE

EXPERIENCE OF THE CONSULTING ARBORIST, PROOF OF EITHER THE REGISTERED CONSULTING ARBORIST® (RCA)

QUALIFICATIONS SUBMITTAL

WITH AMERICAN SOCIETY OF CONSULTING ARBORISTS OR AN ISA BOARD CERTIFIED MASTER ARBORIST, ANY ISA CERTIED ARBORISTS, AND ANY REQUIRED HERBICIDE/PESTICIDE LICENSE TO THE OWNER'S REPRESENTATIVE, FOR REVIEW PRIOR TO THE START OF WORK.

1.11 OBSERVATION OF THE WORK

A. THE OWNER'S REPRESENTATIVE MAY INSPECT THE WORK AT ANY TIME.

1.12 PRF-CONSTRUCTION CONFERENCE SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE OWNER'S REPRESENTATIVE AT LEAST SEVEN (7) DAYS BEFORE BEGINNING WORK TO REVIEW ANY QUESTIONS THE CONTRACTOR MAY HAVE REGARDING THE WORK, ADMINISTRATIVE PROCEDURES DURING CONSTRUCTION AND PROJECT WORK SCHEDULE.

1. THE FOLLOWING CONTRACTORS SHALL ATTEND THE PRECONSTRUCTION CONFERENCE:

a. GENERAL CONTRACTOR.

b. CONSULTING ARBORIST/CERTIFIED ARBORIST c. TREE AND PLANT PROTECTION SUB-CONTRACTOR.

d. EARTHWORK SUB-CONTRACTOR. e. ALL SITE UTILITY SUB-CONTRACTORS THAT MAY BE REQUIRED TO DIG OR TRENCH INTO THE SOIL.

SPECIFICATION FOR REVIEW AND APPROVAL BY THE OWNER'S REPRESENTATIVE.

f. LANDSCAPE SUB-CONTRACTOR.

g. IRRIGATION SUB-CONTRACTOR. h. PRIOR TO THIS MEETING, MARK ALL TREES AND PLANTS TO REMAIN AND OR BE REMOVED AS DESCRIBED IN THIS

1.13 QUALITY ASSURANCE

A. CONTRACTOR QUALIFICATIONS:

1. ALL PRUNING, BRANCH TIE BACK, TREE REMOVAL, ROOT PRUNING, AND FERTILIZING REQUIRED BY THIS SECTION SHALL BE PERFORMED BY OR UNDER THE DIRECT SUPERVISION OF ISA CERTIFIED ARBORIST. SUBMIT

AFOREMENTIONED INDIVIDUAL'S QUALIFICATIONS FOR APPROVAL BY THE OWNER'S REPRESENTATIVE 2. ALL APPLICATIONS OF PESTICIDE OR HERBICIDE SHALL BE PERFORMED BY A PERSON MAINTAINING A CURRENT STATE LICENSE TO APPLY CHEMICAL PESTICIDES VALID IN THE JURISDICTION OF THE PROJECT. SUBMIT COPIES OF ALL REQUIRED STATE LICENSING CERTIFICATES INCLUDING APPLICABLE CHEMICAL APPLICATOR LICENSES.

PART 2 PRODUCTS

BACKGROUND WITH BLACK 2 INCH HIGH OR LARGER LETTERS BLOCK LETTERS. THE SIGNS SHALL BE STAKED ADJACENT TO EXISTING TREES. THE TREE PROTECTION SIGN SHALL READ "KEEP OUT - TREE AND PLANT PROTECTION AREA" AND OTHER PROJECT INFORMATION AS SHOWN ON DRAWINGS.

THIS PARAGRAPH FORM A PART OF THE SPECIFICATION TO THE EXTENT REQUIRED BY THE REFERENCES THERETO. IN THE A. MATTING FOR VEHICLE AND WORK PROTECTION SHALL BE HEAVY DUTY MATTING DESIGNED FOR VEHICLE LOADING OVER EVENT THAT THE REQUIREMENTS OF THE FOLLOWING REFERENCED STANDARDS AND SPECIFICATION CONFLICT WITH THIS

TREE ROOTS, ALTURNAMATS AS MANUFACTURED BY ALTURNAMATS, INC. FRANKLIN, PA 16323 OR APPROVED EQUAL. B. SUBMIT SUPPLIERS PRODUCT DATA THAT PRODUCT MEETS THE REQUIREMENTS FOR APPROVAL.

GEOGRID SHALL BE WOVEN POLYESTER FABRIC WITH PVC COATING, UNI-AXIAL OR BIAXIAL GEOGRID, INERT TO BIOLOGICAL DEGRADATION, RESISTANT TO NATURALLY OCCURRING CHEMICALS, ALKALIS, ACIDS.

1. GEOGRID SHALL BE MIRAGRID 2XT AS MANUFACTURED BY TEN CATE NICOLON, NORCROSS, GA. HTTP://WWW.TENCATE.COM OR APPROVED EQUAL.

B. SUBMIT SUPPLIERS PRODUCT DATA THAT PRODUCT MEETS THE REQUIREMENTS FOR APPROVAL.

FILTER FABRIC SHALL BE NONWOVEN POLYPROPYLENE FIBERS, INERT TO BIOLOGICAL DEGRADATION AND RESISTANT OF NATURALLY OCCURRING CHEMICALS, ALKALIS AND ACIDS.

1. MIRAFI 135 N AS MANUFACTURED BY TEN CATE NICOLON, NORCROSS, GA. <u>HTTP://www.tencate.com</u> or approved

B. SUBMIT SUPPLIERS PRODUCT DATA THAT PRODUCT MEETS THE REQUIREMENTS FOR APPROVAL. PART 3 EXECUTION

A. EXAMINE THE SITE, TREE, PLANT AND SOIL CONDITIONS. NOTIFY THE OWNER'S REPRESENTATIVE IN WRITING OF ANY CONDITIONS THAT MAY IMPACT THE SUCCESSFUL TREE AND PLANT PROTECTIONS THAT IS THE INTENT OF THIS SECTION. 3.2 COORDINATION WITH PROJECT WORK

THE CONTRACTOR SHALL COORDINATE WITH ALL OTHER WORK THAT MAY IMPACT THE COMPLETION OF THE WORK. PRIOR TO THE START OF WORK, PREPARE A DETAILED SCHEDULE OF THE WORK FOR COORDINATION WITH OTHER TRADES COORDINATE THE RELOCATION OF ANY IRRIGATION LINES CURRENTLY PRESENT ON THE IRRIGATION PLAN, HEADS OR THE CONDUITS OF OTHER UTILITY LINES OR STRUCTURES THAT ARE IN CONFLICT WITH TREE LOCATIONS. TREE ROOTS SHALL NOT BE ALTERED TO FIT AROUND LINES. NOTIFY THE OWNER'S REPRESENTATIVE OF ANY CONFLICTS ENCOUNTERED.

A. THE TREE AND PLANT PROTECTION AREA IS DEFINED AS ALL AREAS INDICATED ON THE TREE PROTECTION PLAN. WHERE NO LIMIT OF THE TREE AND PLANT PROTECTION AREA IS DEFINED ON THE DRAWINGS, THE LIMIT SHALL BE THE DRIP LINE (OUTER EDGE OF THE BRANCH CROWN) OF EACH TREE.

A. PRIOR TO THE PRECONSTRUCTION MEETING, LAYOUT THE LIMITS OF THE TREE AND PLANT PROTECTION AREA AND THEN 3.10 TREE REMOVAL: ALIGNMENTS OF REQUIRED TREE AND PLANT PROTECTION FENCING AND ROOT PRUNING. OBTAIN THE OWNER'S

FLAG ALL TREES AND LARGE SHRUBS TO BE REMOVED BY WRAPPING ORANGE PLASTIC RIBBON AROUND THE TRUNK AND OBTAIN THE OWNER'S REPRESENTATIVE'S APPROVAL OF ALL TREES AND LARGE SHRUBS TO BE REMOVED PRIOR TO THE START OF TREE AND SHRUB REMOVAL. AFTER APPROVAL. MARK ALL TREES AND SHRUBS TO BE REMOVED WITH ORANGE PAINT IN A BAND COMPLETELY AROUND THE BASE OF THE TREE OR LARGE SHRUB 4.5 FEET ABOVE THE GROUND. FLAG ALL TREES AND LARGE SHRUBS TO REMAIN WITH WHITE PLASTIC RIBBON TIED COMPLETELY AROUND THE TRUNK OR EACH TREE AND ON A PROMINENT BRANCH FOR EACH SHRUB. OBTAIN THE OWNER'S REPRESENTATIVE'S APPROVAL OF

ALL TREES AND SHRUBS TO REMAIN PRIOR TO THE START OF TREE AND SHRUB REMOVAL. PRIOR TO ANY CONSTRUCTION ACTIVITY AT THE SITE INCLUDING UTILITY WORK, GRADING, STORAGE OF MATERIALS, OR INSTALLATION OF TEMPORARY CONSTRUCTION FACILITIES, INSTALL ALL TREE PROTECTION FENCING, FILTER FABRIC, SILT FENCE, TREE PROTECTION SIGNS, GEOGRID, MULCH AND OR WOOD CHIPS AS SHOWN ON THE DRAWINGS.

VOLUMETRIC SOIL MOISTURE LEVEL. IN ALL SOILS WITHIN THE TREE AND PLANT PROTECTION AREA SHALL BE MAINTAINED ABOVE PERMANENT WILT POINT TO A DEPTH OF AT LEAST 8 INCHES. NO SOIL WORK OR OTHER ACTIVITY SHALL BE PERMITTED WITHIN THE TREE AND PLANT PROTECTION AREA WHEN THE VOLUMETRIC SOIL MOISTURE IS ABOVE FIELD CAPACITY. THE PERMANENT WILT POINT AND FIFLD CAPACITY FOR EACH TYPE OF SOIL TEXTURE SHALL BE DEFINED AS FOLLOWS (NUMBERS INDICATE PERCENTAGE VOLUMETRIC SOIL MOISTURE):

SOIL TYPE PERMANENT WILT POINT V/V FIELD CAPACITY V/V SAND, LOAMY SAND, SANDY LOAM 12 - 18% 27 - 36% LOAM, SANDY CLAY, SANDY CLAY LOAM 14 - 25% CLAY LOAM, SILT LOAM 11 - 22% 31 - 36% SILTY CLAY, SILTY CLAY LOAM 22 - 27% 38 - 41%

VOLUMETRIC SOIL MOISTURE SHALL BE MEASURED WITH A DIGITAL, ELECTRIC CONDUCTIVITY METER. THE METER SHALL BE THE DIGITAL SOIL MOISTURE METER, DSMM500 BY GENERAL SPECIALTY TOOLS AND INSTRUMENTS, OR APPROVED

THE CONTRACTOR SHALL CONFIRM THE SOIL MOISTURE LEVELS WITH A MOISTURE METER. IF THE MOISTURE IS TOO HIGH, SUSPEND OPERATIONS UNTIL THE SOIL MOISTURE DRAINS TO BELOW FIELD CAPACITY.

FINAL RECOMMENDATIONS ON ANY ROOT PRUNING REQUIREMENTS AND PROCEDURES ARE TO BE DETERMINED THE PROJECT ARBORIST AND PROVIDED IN WRITING TO THE OWNER'S REPRESENTATIVE PRIOR TO ANY ROOT PRUNING. PRIOR TO ANY EXCAVATING INTO THE EXISTING SOIL GRADE WITHIN 25 FEET OF THE LIMIT OF THE TREE AND PLANT PROTECTION AREA OR TREES TO REMAIN, ROOT PRUNE ALL EXISTING TREES TO A DEPTH OF 24 INCHES BELOW EXISTING GRADE IN ALIGNMENTS FOLLOWING THE EDGES OF THE TREE AND PLANT PROTECTION AREA OR AS DIRECTED BY 4. TREE AND PLANT PROTECTION AREA: AREA SURROUNDING INDIVIDUAL TREES, GROUPS OF TREES, SHRUBS, OR OTHER THE OWNER'S REPRESENTATIVE. ROOT PRUNING SHALL BE IN CONFORMANCE WITH ANSI A300 (PART 8) LATEST

> 1. USING A ROCK SAW, CHAIN TRENCHER OR SIMILAR TRENCHING DEVICE, MAKE A VERTICAL CUT WITHIN 2 FEET OF THE 3.12 WATERING LIMIT OF GRADING. 2. AFTER COMPLETION OF THE CUT, MAKE CLEAN CUTS WITH A LOPPER, SAW OR PRUNER TO REMOVE ALL TORN ROOT ENDS ON THE TREE SIDE OF THE EXCAVATION, AND BACKFILL THE TRENCH IMMEDIATELY WITH EXISTING SOIL, FILLING

3.7 INSTALLATION OF GEOGRIDS, FILTER FABRIC, MATTING, AND OR AGGREGATE 1. PRIOR TO THE START OF CONSTRUCTION, SUBMIT, FOR APPROVAL BY THE OWNER'S REPRESENTATIVE, THE REPORT OF A. INSTALL GEOGRIDS, FILTER FABRIC, MATTING, AND/OR AGGREGATE IN AREAS AND DEPTHS SHOWN ON THE PLANS AND DETAILS OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE. IN GENERAL IT IS THE INTENT OF THIS SPECIFICATION TO PROVIDE THE FOLLOWING LEVELS OF PROTECTION:

> 1. AREAS WHERE FOOT TRAFFIC OR STORAGE OF LIGHTWEIGHT MATERIALS IS ANTICIPATED TO BE UNAVOIDABLE PROVIDE A LAYER OF FILTER FABRIC UNDER THE 6 INCHES OF MULCH. 2. AREAS WHERE OCCASIONAL LIGHT VEHICLE TRAFFIC IS ANTICIPATED TO BE UNAVOIDABLE PROVIDE A LAYER OF GEOGRIDS UNDER 8 INCHES OF MULCH.

3. AREAS WHERE HEAVY VEHICLE TRAFFIC IS UNAVOIDABLE PROVIDE A LAYER OF GEOGRIDS UNDER 8 - 12 INCHES OF

MULCH AND A LAYER OF MATTING OVER THE MULCH.

3.8 PROTECTION:

THE OWNER'S REPRESENTATIVE SHALL APPROVE THE APPROPRIATE LEVEL OF PROTECTION. IN THE ABOVE REQUIREMENTS, LIGHT VEHICLE IS DEFINED AS A TRACK SKID STEER WITH A GROUND PRESSURE OF 4 PSI OR LIGHTER. A HEAVY VEHICLE IS ANY VEHICLE WITH A TIRE OR TRACK PRESSURE OF GREATER THAN 4 PSI. LIGHTWEIGHT 3.15 CLEAN-UP MATERIALS ARE ANY PACKAGED MATERIALS THAT CAN BE PHYSICALLY MOVED BY HAND INTO THE LOCATION. BULK MATERIALS SUCH AS SOIL, OR AGGREGATE SHALL NEVER BE STORED WITHIN THE TREE AND PLANT PROTECTION AREA.

PROTECT THE TREE AND PLANT PROTECTION AREA AT ALL TIMES FROM COMPACTION OF THE SOIL; DAMAGE OF ANY KIND TO TRUNKS, BARK, BRANCHES, LEAVES AND ROOTS OF ALL PLANTS; AND CONTAMINATION OF THE SOIL, BARK OR LEAVES WITH CONSTRUCTION MATERIALS, DEBRIS, SILT, FUELS, OILS, AND ANY CHEMICALS SUBSTANCE. NOTIFY THE OWNER'S REPRESENTATIVE OF ANY SPILLS, COMPACTION OR DAMAGE AND TAKE CORRECTIVE ACTION IMMEDIATELY USING METHODS APPROVED BY THE OWNER'S REPRESENTATIVE. 1. FOR EACH APPLICABLE PERSON EXPECTED TO WORK ON THE PROJECT, PROVIDE COPIES OF THE QUALIFICATIONS AND 3.9 GENERAL REQUIREMENTS AND LIMITATIONS FOR OPERATIONS WITHIN THE TREE AND PLANT PROTECTION AREA:

WITHOUT THE APPROVAL OF THE OWNER'S REPRESENTATIVE INCLUDING: OPERATING, MOVING OR STORING EQUIPMENT; BY THE CONTRACTOR. STORING SUPPLIES OR MATERIALS; LOCATING TEMPORARY FACILITIES INCLUDING TRAILERS OR PORTABLE TOILETS AND 3.16 REMOVAL OF TREE AND PLANT PROTECTION SHALL NOT PERMIT EMPLOYEES TO TRAVERSE THE AREA TO ACCESS ADJACENT AREAS OF THE PROJECT OR USE THE A. AT THE END OF THE CONSTRUCTION PERIOD OR WHEN REQUESTED BY THE OWNER'S REPRESENTATIVE REMOVE ALL AREA ANY REASON. PERMITTED ACTIVITY, IF ANY, WITHIN THE TREE AND PLANT PROTECTION AREA MAY BE INDICATED ON

THE DRAWINGS ALONG WITH ANY REQUIRED REMEDIAL ACTIVITY AS LISTED BELOW. IN THE EVENT THAT CONSTRUCTION/VEHICULAR ACTIVITY IS UNAVOIDABLE WITHIN THE TREE AND PLANT PROTECTION

3.17 DAMAGE OR LOSS TO EXISTING PLANTS TO REMAIN AREA, NOTIFY THE OWNER'S REPRESENTATIVE AND SUBMIT A DETAILED WRITTEN PLAN OF ACTION FOR APPROVAL. THE PLAN SHALL INCLUDE: A STATEMENT DETAILING THE REASON FOR THE ACTIVITY INCLUDING WHY OTHER AREAS ARE NOT SUITED; A DESCRIPTION OF THE PROPOSED ACTIVITY; THE TIME PERIOD FOR THE ACTIVITY, AND A LIST OF REMEDIAL ACTIONS THAT WILL REDUCE THE IMPACT ON THE TREE AND PLANT PROTECTION AREA FROM THE ACTIVITY. TREE

PROTECTION FOR THE REMEDIAL ACTIONS SHALL INCLUDE BUT SHALL NOT BE LIMITED TO THE FOLLOWING: 1. IN GENERAL, DEMOLITION AND EXCAVATION WITHIN THE DRIP LINE OF TREES AND SHRUBS SHALL PROCEED WITH EXTREME CARE EITHER BY THE USE OF HAND TOOLS, DIRECTIONAL BORING AND OR AIR KNIFE EXCAVATION WHERE INDICATED OR WITH OTHER LOW IMPACT EQUIPMENT THAT WILL NOT CAUSE DAMAGE TO THE TREE, ROOTS OR SOIL.

2. WHEN ENCOUNTERED, EXPOSED ROOTS, 1 INCHES AND LARGER IN DIAMETER SHALL BE WORKED AROUND IN A MANNER THAT DOES NOT BREAK THE OUTER LAYER OF THE ROOT SURFACE (BARK). THESE ROOTS SHALL BE COVERED IN MULCH AND SHALL BE MAINTAINED ABOVE PERMANENT WILT POINT AT ALL TIMES. ROOTS ONE INCH AND LARGER IN DIAMETER SHALL NOT BE CUT WITHOUT THE APPROVAL OF THE OWNERS REPRESENTATIVE AND PROJECT ARBORIST. EXCAVATION SHALL BE TUNNELED UNDER THESE ROOTS WITHOUT CUTTING THEM. IN THE AREAS WHERE ROOTS ARE ENCOUNTERED, WORK SHALL BE PERFORMED AND SCHEDULED TO CLOSE EXCAVATIONS AS QUICKLY AS POSSIBLE OVER EXPOSED ROOTS.

3. TREE BRANCHES THAT INTERFERE WITH THE CONSTRUCTION MAY BE TIED BACK OR PRUNED TO CLEAR ONLY TO THE POINT NECESSARY TO COMPLETE THE WORK. OTHER BRANCHES SHALL ONLY BE REMOVED WHEN SPECIFICALLY INDICATED BY THE OWNER'S REPRESENTATIVE. TYING BACK OR TRIMMING OF ALL BRANCHES AND THE CUTTING OF ROOTS SHALL BE IN ACCORDANCE WITH ACCEPTED ARBORICULTURAL PRACTICES (ANSI A300, PARTS 1 AND 8) AND BE PERFORMED UNDER SUPERVISION OF THE I.S.A. CERTIFIED ARBORIST

4. MATTING: INSTALL TEMPORARY MATTING OR AN ADDITIONAL 12 INCH MULCH LAYER OVER THE MULCH SPECIFIED HEREFORD WITHIN THESE SPECIFICATIONS TO THE EXTENT INDICATED. DO NOT PERMIT FOOT TRAFFIC, SCAFFOLDING, VEHICULAR TRAFFIC, OR THE STORAGE OF MATERIALS WITHIN THE TREE AND PLANT PROTECTION AREA TO OCCUR OFF

5. TRUNK PROTECTION: PROTECT THE TRUNK OF EACH TREE TO REMAIN BY COVERING IT WITH A CLOSED CELL FOAM PAD AND A RING OF 2" x 4" x 4'-0" PLANKS LOOSELY BANDED ONTO THE TREE WITH 3 STEEL BANDS. STAPLE THE BANDS TO THE PLANKS AS NECESSARY TO HOLD THEM SECURELY IN PLACE. TRUNK PROTECTION MUST BY KEPT IN PLACE NO LONGER THAN 12 MONTHS. IF CONSTRUCTION REQUIRES WORK NEAR A PARTICULAR TREE TO CONTINUE LONGER THAN 12 MONTHS, THE STEEL BANDS SHALL BE INSPECTED EVERY SIX MONTHS AND LOOSENED IF THEY ARE FOUND TO END OF SECTION 015639 HAVE BECOME TIGHT.

6. AIR EXCAVATION TOOL: IF EXCAVATION FOR FOOTINGS OR UTILITIES IS REQUIRED WITHIN THE TREE AND PLANT PROTECTION AREA, AIR EXCAVATION TOOL TECHNIQUES SHALL BE USED WHERE PRACTICAL OR AS DESIGNED ON THE

a. REMOVE THE MULCH FROM AN AREA APPROXIMATELY 18 INCHES BEYOND THE LIMITS OF THE HOLE OR TRENCH TO BE EXCAVATED. COVER THE MULCH FOR A DISTANCE OF NOT LESS THAN 15 FEET AROUND THE LIMIT OF THE EXCAVATION AREA WITH FILTER FABRIC OR PLASTIC SHEETING TO PROTECT THE MULCH FROM SILT. MOUND THE MUI CH SO THAT THE PLASTIC SLOPES TOWARDS THE EXCAVATION. b. USING A SPRINKLER OR SOAKER HOSE, APPLY WATER SLOWLY TO THE AREA OF THE EXCAVATION FOR A PERIOD OF

AT LEAST 4 HOURS, APPROXIMATELY 12 HOURS PRIOR TO THE WORK SO THAT THE GROUND WATER LEVEL IS AT OR NEAR FIELD CAPACITY AT THE BEGINNING OF THE WORK. FOR EXCAVATIONS THAT GO BEYOND THE DAMP SOIL, REWET THE SOIL AS NECESSARY TO KEEP SOIL MOISTURE NEAR FIELD CAPACITY. C. USING AN AIR EXCAVATION TOOL SPECIFICALLY DESIGNED AND MANUFACTURED FOR THE INTENDED PURPOSE, AND

AT PRESSURES RECOMMENDED BY THE MANUFACTURER OF THE EQUIPMENT, FRACTURE THE EXISTING SOIL TO THE SHAPE AND THE DEPTHS REQUIRED. WORK AT RATES AND USING TECHNIQUES THAT DO NOT HARM TREE ROOTS. AIR PRESSURE SHALL BE A MAXIMUM OF 90-100 PSI. 1.) THE AIR EXCAVATION TOOL SHALL BE "AIR-SPADE" AS MANUFACTURED BY CONCEPT ENGINEERING GROUP, INC.,

VERONA, PA (412) 826-8800, OR AIR KNIFE AS MANUFACTURED BY EASY USE AIR TOOLS, INC. ALLISON PARK, PA (866) 328-5723 OR APPROVED EQUAL. d. USING A COMMERCIAL, HIGH-POWERED VACUUM TRUCK IF REQUIRED, REMOVE THE SOIL FROM THE EXCAVATION PRODUCED BY THE AIR KNIFE EXCAVATION. THE VACUUM TRUCK SHOULD GENERALLY OPERATE SIMULTANEOUSLY WITH THE HOSE OPERATOR, SUCH THAT THE SOIL PRODUCED IS PICKED UP FROM THE EXCAVATION HOLE, AND THE EXPOSED ROOTS CAN BE OBSERVED AND NOT DAMAGED BY THE ONGOING OPERATION. DO NOT DRIVE THE VACUUM

TRUCK INTO THE TREE AND PLANT PROTECTION AREA UNLESS THE AREA IS PROTECTED FROM COMPACTION AS

APPROVED IN ADVANCE BY THE OWNER'S REPRESENTATIVE. e. REMOVE ALL EXCAVATED SOIL AND EXCAVATED MULCH, AND CONTAMINATED SOIL AT THE END OF THE EXCAVATION. f. SCHEDULE THE WORK SO THAT FOUNDATIONS OR UTILITY WORK IS COMPLETED IMMEDIATELY AFTER THE EXCAVATION. DO NOT LET THE ROOTS DRY OUT. MIST THE ROOTS SEVERAL TIMES DURING THE DAY. IF THE EXCAVATED AREA MUST REMAIN OPEN OVER NIGHT, MIST THE ROOTS AND COVER THE EXCAVATION WITH BLACK

g. DISPOSE OF ALL SOIL IN A MANNER THAT MEETS LOCAL LAWS AND REGULATIONS.

h. RESTORE SOIL WITHIN THE TRENCH AS SOON AS THE WORK IS COMPLETED. UTILIZE SOIL OF SIMILAR TEXTURE TO THE REMOVED SOIL AND LIGHTLY COMPACT WITH HAND TOOLS. LEAVE SOIL MOUNDED OVER THE TRENCH TO A HEIGHT OF APPROXIMATELY 10% OF THE TRENCH DEPTH TO ACCOUNT FOR SETTLEMENT.

i. RESTORE ANY GEOGRIDS, FILTER FABRIC, OR MULCH AND OR MATTING THAT WAS PREVIOUSLY REQUIRED FOR THE

REMOVE ALL TREES INDICATED BY THE DRAWINGS AND SPECIFICATIONS. AS REQUIRING REMOVAL, IN A MANNER THA WILL NOT DAMAGE ADJACENT TREES OR STRUCTURES OR COMPACTS THE SOIL. REMOVE TREES THAT ARE ADJACENT TO TREES OR STRUCTURES TO REMAIN, IN SECTIONS, TO LIMIT THE OPPORTUNITY OF DAMAGE TO ADJACENT CROWNS, TRUNKS, GROUND PLANE FLEMENTS AND STRUCTURES DO NOT DROP TREES WITH A SINGLE CUT UNLESS THE TREE WILL FALL IN AN AREA NOT INCLUDED IN THE TREE AND

BE PUSHED OVER OR UP-ROOTED USING A PIECE OF GRADING FQUIPMENT PROTECT ADJACENT PAVING. SOIL. TREES. SHRUBS. GROUND COVER PLANTINGS AND UNDERSTORY PLANTS TO REMAIN FROM DAMAGE DURING ALL TREE REMOVAL OPERATIONS. AND FROM CONSTRUCTION OPERATIONS. PROTECTION SHALL INCLUDE THE ROOT SYSTEM, TRUNK, LIMBS, AND CROWN FROM BREAKAGE OR SCARRING, AND THE SOIL FROM

PLANT PROTECTION AREA. NO TREE TO BE REMOVED WITHIN 50 FEET OF THE TREE AND PLANT PROTECTION AREA SHALL

REMOVE STUMPS AND IMMEDIATE ROOT PLATE FROM EXISTING TREES TO BE REMOVED. GRIND TRUNK BASES AND LARGE BUTTRESS ROOTS TO A DEPTH OF THE LARGEST BUTTRESS ROOT OR AT LEAST 18 INCHES BELOW THE TOP MOST ROOTS WHICH EVER IS LESS AND OVER THE AREA OF THREE TIMES THE DIAMETER OF THE TRUNK (DBH)

1. FOR TREES WHERE THE STUMP WILL FALL UNDER NEW PAVED AREAS, GRIND ROOTS TO A TOTAL DEPTH OF 18 INCHES BELOW THE EXISTING GRADE. IF THE SIDES OF THE STUMP HOLE STILL HAVE GREATER THAN APPROXIMATELY 20% WOOD VISIBLE, CONTINUE GRINDING OPERATION DEEPER AND OR WIDER UNTIL THE RESULTING HOLE HAS LESS THAN 20% WOOD, REMOVE ALL WOOD CHIPS PRODUCED BY THE GRINDING OPERATION AND BACK FILL IN 8 INCH LAYERS WITH CONTROLLED FILL OF A QUALITY ACCEPTABLE TO THE SITE ENGINEER FOR FILL MATERIAL UNDER STRUCTURES COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY STANDARD PROCTOR. THE OWNER'S REPRESENTATIVE SHALL APPROVE EACH HOLE AT THE END OF THE GRINDING OPERATION.

2. IN AREAS WHERE THE TREE LOCATION IS TO BE A PLANTING BED OR LAWN, REMOVE ALL WOODCHIPS AND BACKFILL STUMP HOLES WITH PLANTING SOIL AS DEFINED IN THE SOIL MANAGEMENT SPECIFICATIONS, IN MAXIMUM OF 12 INCH LAYERS AND COMPACT TO 80 - 85% OF THE MAXIMUM DRY DENSITY STANDARD PROCTOR.

WITHIN SIX MONTHS OF THE ESTIMATED DATE OF SUBSTANTIAL COMPLETION, PRUNE ALL DEAD OR HAZARDOUS BRANCHES LARGER THAN 2 INCH IN DIAMETER FROM ALL TREES TO REMAIN.

IMPLEMENT ALL PRUNING RECOMMENDATIONS FOUND IN THE ARBORIST REPORT. PRUNE ANY LOW, HANGING BRANCHES AND VINES FROM EXISTING TREES AND SHRUBS THAT OVERHANG WALKS, STREETS AND DRIVES, OR PARKING AREAS AS FOLLOWS: 1. WALKS - WITHIN 8 FEET VERTICALLY OF THE PROPOSED WALK ELEVATION.

2. PARKING AREAS - WITHIN 12 FEET VERTICALLY OF THE PROPOSED PARKING SURFACE ELEVATION. 3. STREETS AND DRIVES - WITHIN 14 FEET VERTICALLY OF THE PROPOSED DRIVING SURFACE ELEVATION ALL PRUNING SHALL BE DONE IN ACCORDANCE WITH ANSI A300 (PART 1 - PRUNING), ISA BMP: TREE PRUNING AND THE

"STRUCTURAL PRUNING: A GUIDE FOR THE GREEN INDUSTRY. PERFORM OTHER PRUNING TASK AS INDICATED ON THE DRAWINGS OR REQUESTED BY THE OWNER'S REPRESENTATIVE WHERE TREE SPECIFIC DISEASE VECTORS REQUIRE, STERILIZE ALL PRUNING TOOLS BETWEEN THE WORK IN INDIVIDUAL

A. THE CONTRACTOR SHALL NOT ENGAGE IN ANY CONSTRUCTION ACTIVITY WITHIN THE TREE AND PLANT PROTECTION AREA D. REMOVE AND DISPOSE OF ALL EXCESS MULCH, WOOD CHIPS, PACKAGING, AND OTHER MATERIAL BROUGHT TO THE SITE

USING HOSES OR WATER TANKS AS REQUIRED.

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE TO ENSURE THAT ADEQUATE WATER IS PROVIDED TO ALL PLANTS AND TREES TO BE PRESERVED DURING THE ENTIRE CONSTRUCTION PERIOD. ADEQUATE WATER IS DEFINED TO BE MAINTAINING SOIL MOISTURE ABOVE THE PERMANENT WILT POINT TO A DEPTH OF 8 INCHES OR GREATER. THE CONTRACTOR SHALL ADJUST THE AUTOMATIC IRRIGATION SYSTEM, IF AVAILABLE, AND APPLY ADDITIONAL WATER,

PERIODICALLY TEST THE MOISTURE CONTENT IN THE SOIL WITHIN THE ROOT ZONE TO DETERMINE THE WATER CONTENT DURING THE CONSTRUCTION PERIOD, CONTROL ANY PLANTS THAT SEED IN AND AROUND THE FENCED TREE AND PLANT

PROTECTION AREA AT LEAST THREE TIMES A YEAR. 1. ALL PLANTS THAT ARE NOT SHOWN ON THE PLANTING PLAN OR ON THE TREE AND PLANT PROTECTION PLAN TO REMAIN SHALL BE CONSIDERED AS WEEDS.

AT THE END OF THE CONSTRUCTION PERIOD PROVIDE ONE FINAL WEEDING OF THE TREE AND PLANT PROTECTION AREA MONITOR ALL PLANTS TO REMAIN FOR DISEASE AND INSECT INFESTATIONS DURING THE ENTIRE CONSTRUCTION PERIOD.

PROVIDE ALL DISEASE AND INSECT CONTROL REQUIRED TO KEEP THE PLANTS IN A HEALTHY STATE USING THE PRINCIPLES

OF INTEGRATED PEST MANAGEMENT (IPM). ALL PESTICIDES SHALL BE APPLIED BY A CERTIFIED PESTICIDE APPLICATOR. DURING TREE AND PLANT PROTECTION WORK, KEEP THE SITE FREE OF TRASH, PAVEMENTS REASONABLY CLEAN AND WORK AREA IN AN ORDERLY CONDITION AT THE END OF EACH DAY, REMOVE TRASH AND DEBRIS IN CONTAINERS FROM THE SITE NO LESS THAN ONCE A WEEK.

CONTRACTOR FROM ALL SURFACES WITHIN THE PROJECT OR ON PUBLIC RIGHT OF WAYS AND NEIGHBORING ONCE TREE PROTECTION WORK IS COMPLETE, WASH ALL SOIL FROM PAVEMENTS AND OTHER STRUCTURES. ENSURE THAT MULCH IS CONFINED TO PLANTING BEDS.

MAKE ALL REPAIRS TO GRADES, RUTS, AND DAMAGE TO THE WORK OR OTHER WORK AT THE SITE.

1. IMMEDIATELY CLEAN UP ANY SPILLED OR TRACKED SOIL, FUEL, OIL, TRASH OR DEBRIS DEPOSITED BY THE

FENCING, GEOGRIDS AND FILTER FABRIC, TRUNK PROTECTION AND OR ANY OTHER TREE AND PLANT PROTECTION

STUMP SITE AND FILLING THE RESULTING HOLE WITH TOPSOIL.

EXISTING UNDERGROUND

UTILITIES. CONTRACTOR TO

VERIFY EXACT LOCATION

PRIOR TO ANY TRENCHING

OR EXCAVATION.

Know what's **below**.

Call before you dig

ANY TREES OR PLANTS DESIGNATED TO REMAIN AND WHICH ARE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT THEIR OWN EXPENSE. TREES SHALL BE REPLACED WITH A TREE OF SIMILAR SPECIES AND 3 INCH CALIPER. SHRUBS SHALL BE REPLACED WITH A PLANT OF SIMILAR SPECIES AND EQUAL SIZE OR THE LARGEST SIZE PLANTS REASONABLY AVAILABLE WHICH EVER IS LESS. WHERE REPLACEMENT PLANTS ARE TO BE LESS THAN THE SIZE OF THE PLANT THAT IS DAMAGED, THE OWNER'S REPRESENTATIVE SHALL APPROVE THE SIZE AND QUALITY OF THE

1. ALL TREES AND PLANTS SHALL BE INSTALLED PER THE REQUIREMENTS OF PLANTING SPECIFICATIONS. PLANTS THAT ARE DAMAGED SHALL BE CONSIDERED AS REQUIRING REPLACEMENT OR APPRAISAL IN THE EVENT THAT THE DAMAGE AFFECTS MORE THAN 25% OF THE CROWN, 25% OF THE TRUNK CIRCUMFERENCE, OR ROOT PROTECTION AREA, OR THE TREE IS DAMAGED IN SUCH A MANNER THAT THE TREE COULD DEVELOP INTO A POTENTIAL HAZARD. TREES

AND SHRUBS TO BE REPLACED SHALL BE REMOVED BY THE CONTRACTOR AT HIS OWN EXPENSE. 1. THE OWNER'S REPRESENTATIVE MAY ENGAGE AN INDEPENDENT CONSULTING ARBORIST TO ASSESS ANY TREE OR

PLANT THAT APPEARS TO HAVE BEEN DAMAGED TO DETERMINE THEIR HEALTH OR CONDITION. 2. CONTRACTOR SHALL PAY ALL FINES AND MITIGATION COSTS ASSOCIATED WITH LOSS OF PROTECTED TREES DAMAGED

BY CONTRACTOR'S FORCES. ANY TREE THAT IS DETERMINED TO BE DEAD, DAMAGED OR POTENTIALLY HAZARDOUS BY THE OWNER'S ARBORIST AND UPON THE REQUEST OF THE OWNER'S REPRESENTATIVE SHALL BE IMMEDIATELY REMOVED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. TREE REMOVAL SHALL INCLUDE ALL CLEAN UP OF ALL WOOD PARTS AND GRINDING OF THE STUMP TO A DEPTH SUFFICIENT TO PLANT THE REPLACEMENT TREE OR PLANT, REMOVAL OF ALL CHIPS FROM THE

ANY REMEDIAL WORK ON DAMAGED EXISTING PLANTS RECOMMENDED BY THE CONSULTING ARBORIST SHALL BE COMPLETED BY THE CONTRACTOR AT NO COST TO THE OWNER. REMEDIAL WORK SHALL INCLUDE BUT IS NOT LIMITED TO: SOIL COMPACTION REMEDIATION AND VERTICAL MULCHING, PRUNING AND OR CABLING, INSECT AND DISEASE CONTROL INCLUDING INJECTIONS, COMPENSATORY WATERING, ADDITIONAL MULCHING, AND COULD INCLUDE APPLICATION TREE GROWTH REGULATORS (TGR).

REMEDIAL WORK MAY EXTEND UP TO TWO YEARS FOLLOWING THE COMPLETION OF CONSTRUCTION TO ALLOW FOR ANY REQUIREMENTS OF MULTIPLE APPLICATIONS OR THE NEED TO UNDERTAKE APPLICATIONS AT REQUIRED SEASONS OF THE

P.L.A. NIKOLAUS B. ADAMS L.A. No. 3404 Date 5/15/2025

Submitted: May 16th, 2025 <u> Architect:</u> Carroll Architects 750 E. Interstate 30, Ste. 110 801 S. Riverfront Boulevard,00 225 E. John W Carpenter FWY, Rockwall, Texas 75087 Dallas, Texas 75207 Contact: Joseph Bickham Contact: Glennon Langston Irving, Texas 75062

SITE PLAN FOR

FUEL CITY - ROCKWALL

LOT 2, BLOCK A

CORNERSTONE COMMUNITY CHURCH

4.34 ACRES

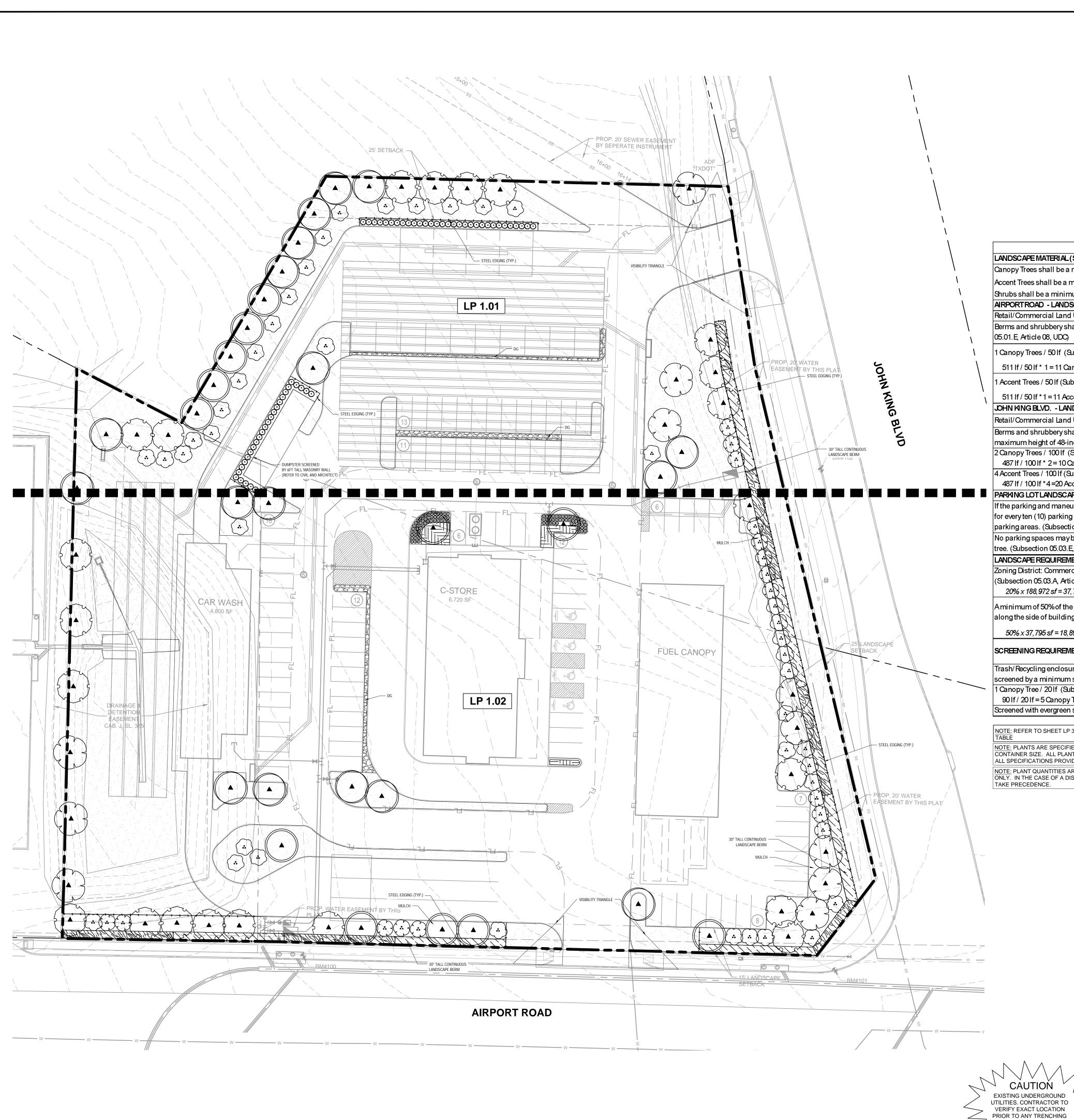
N. BUTLER SURVEY ABSTRACT NO. 20

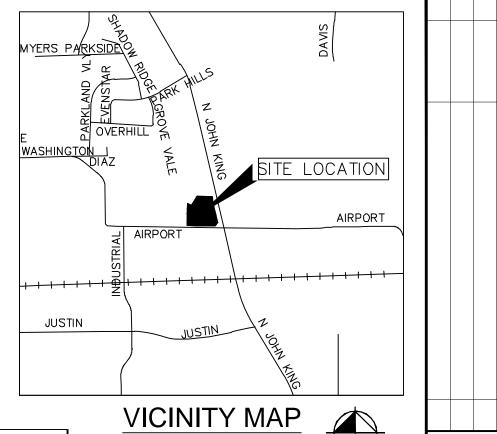
City of Rockwall, Rockwall County, Texas

Current Zoning: C (Commerical District) Proposed Land Use: Gas Station/ Car Wash Kimley—Horn and Associates, Inc Phone: 972-732-6085 Phone: 469-203-0159 Contact: Jared Earney, P.E.

Phone: 214-420-5600

SHEET NUMBER TP 3.02

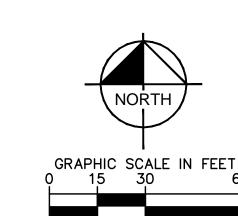




LANDSCAPE MATERIAL (SECTION 4.A)  Canopy Trees shall be a minimum of 4° tailper  Accent Trees shall be a minimum of 4° tailper  Accent Trees shall be a minimum of 3° gallons in size  AIRPORT ROAD - LANDSCAPE BUFFERS  Retail/Commercial Land Uses: 15-feet (Subsection 05.01.E, Article 08, UDC)  Berms and shrubbery shall each have a minimum height of 30-inches. (Subsection 05.01.E, Article 08, UDC)  1 Canopy Trees / 50 If (Subsection 05.01.E, Article 08, UDC)  11 Canopy Trees  1 Accent Trees / 50 If (Subsection 05.01.E, Article 08, UDC)  11 Accent Trees  11 Accent Trees  12 Chin King BLVD LANDSCAPE BUFFERS  REQUIRED  Retail/Commercial Land Use: 25 ft (Subsection 06.02.E, Article 05, UDC)  2 Canopy Trees / 100 If (Subsection 06.02.E, Article 05, UDC)  487 If / 100 If * 2 = 10 Canopy Trees  4 Accent Trees / 100 If (Subsection 06.02.E, Article 05, UDC)  487 If / 100 If * 4 = 20 Accent Trees  PARAING LOT LANDSCAPING  If the parking and maneuvering space exceeds 20,000 sf, one (1) large canopy tree for every ten (10) parking spaces shall be required to be planted internal to the parking and maneuvering space exceeds 20,000 sf, one (1) large canopy tree for every ten (10) parking spaces shall be required to be planted internal to the parking and maneuvering space exceeds 20,000 sf, one (1) large canopy tree (2) species on 05.03.E, Article 08, UDC)  No parking spaces may be located more than 80-feet from the trunk of a canopy tree (3) spots  Trash/Recycling enclosures shall be four sided. These receptacles shall be  SCREENING REQUIREMENTS  REQUIRED  Trash/Recycling enclosures shall be four sided. These receptacles shall be  Trash/Recycling enclosures shall be four sided. These receptacles shall be	
Accent Trees shall be a minimum of 4 fit in total height Shrubs shall be a minimum of 3 gallons in size  ARPORTROAD - LANDSCAPE BUFFERS  Retail/Commercial Land Uses: 15-feet (Subsection 05.01.E, Article 08, UDC)  1 Canopy Trees / 50 If (Subsection 05.01.E, Article 08, UDC)  1 Canopy Trees / 50 If (Subsection 05.01.E, Article 08, UDC)  1 Canopy Trees / 50 If (Subsection 05.01.E, Article 08, UDC)  11 Canopy Trees  1 Accent Trees / 50 If (Subsection 05.01.E, Article 08, UDC)  511 If / 50 If * 1 = 11 Canopy Trees  1 Accent Trees / 50 If (Subsection 05.01.E, Article 08, UDC)  511 If / 50 If * 1 = 11 Accent Trees  1 Accent Trees / 50 If (Subsection 05.01.E, Article 08, UDC)  511 If / 50 If * 1 = 11 Accent Trees  1 Accent Trees / 50 If (Subsection 05.01.E, Article 08, UDC)  511 If / 50 If * 1 = 11 Accent Trees  1 Accent Trees / 50 If (Subsection 05.01.E, Article 05, UDC)  511 If / 50 If * 1 = 10 Canopy Trees  Retail/Commercial Land Use: 25 If (Subsection 06.02.E, Article 05, UDC)  2 Canopy Trees / 100 If (Subsection 06.02.E, Article 05, UDC)  487 If / 100 If * 2 = 10 Canopy Trees  4 Accent Trees / 100 If (Subsection 06.02.E, Article 05, UDC)  487 If / 100 If * 4 = 20 Accent Trees  PARKING LOTLANDSCAPING  If the parking and maneuvering space exceeds 20,000 sf, one (1) large canopy tree for every ten (10) parking spaces shallo be required to be planted internal to the parking areas. (Subsection 05.03.E, Article 08, UDC)  No parking spaces may be located more than 80-feet from the trunk of a canopy tree. (Subsection 05.03.E, Article 08, UDC)  20 Accent Trees / 20 Accent Trees  REQUIRED  1 Canopy Tree g / 10 Spots  1 Canopy Tree g / 10 Canopy Trees g / 10 Spots  1 Canopy Tree g / 10 Canopy Trees g / 10 Canopy Trees g / 10 Canopy Tree g / 10 Cano	PROVIDED
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05.01.E, Article 08, UDC)  1 Canopy Trees / 50 If (Subsection 05.01.E, Article 08, UDC)  511 If / 50 If * 1 = 11 Canopy Trees  1 Accent Trees / 50 If (Subsection 05.01.E, Article 08, UDC)  511 If / 50 If * 1 = 11 Accent Trees  11 Accent Trees / 51 If (Subsection 05.01.E, Article 08, UDC)  511 If / 50 If * 1 = 11 Accent Trees  3 DHN KING BLVD LANDSCAPE BUFFERS  Retail/Commercial Land Use: 25 ft (Subsection 06.02.E, Article 05, UDC)  25 ft  Berms and shrubbery shall each have a minimum height of 30-inches and a maximum height of 48-inches. (Subsection 06.02.E, Article 05, UDC)  487 If / 100 If * 2 = 10 Canopy Trees  4 Accent Trees / 100 If (Subsection 06.02.E, Article 05, UDC)  487 If / 100 If * 4 = 20 Accent Trees  4 Accent Trees / 100 If (Subsection 06.02.E, Article 05, UDC)  487 If / 100 If * 4 = 20 Accent Trees  PARKING LOT LANDSCAPING  If the parking and maneuvering space exceeds 20,000 sf, one (1) large canopy tree for everyten (10) parking spaces shall be required to be planted internal to the parking areas. (Subsection 05.03.E, Article 08, UDC)  No parking spaces may be located more than 80-feet from the trunk of a canopy tree. (Subsection 05.03.E, Article 08, UDC)  LANDSCAPE REQUIREMENTS  REQUIRED  20 Accent Tree for the trunk of a canopy tree, (Subsection 05.03.A, Article 08, UDC)  Aminimum of 50% of the required landscaping areas. (Subsection 05.03.A, Article 08, UDC)  20% x 188, 972 sf = 37, 794 sf  Aminimum of 50% of the required landscaping shall be located in the front of and along the side of buildings with street frontage. (Subsection 05.03.A, Article 08, UDC)  Trash/Bercycling enclosures shall be four sided. These recentacles shall be  Trash/Bercycling enclosures shall be four sided. These recentacles shall be  Trash/Bercycling enclosures shall be four sided. These recentacles shall be	15 ft
11 Canopy Trees  1 Accent Trees / 50 If (Subsection 05.01.E, Article 08, UDC)  511 If / 50 If * 1 = 11 Accent Trees  JOHN KING BLVD LANDSCAPE BUFFERS  Retail/Commercial Land Use: 25 ft (Subsection 06.02.E, Article 05, UDC)  2 Sft  Berms and shrubbery shall each have a minimum height of 30-inches and a maximum height of 48-inches. (Subsection 06.02.E, Article 05, UDC)  2 Canopy Trees / 100 If (Subsection 06.02.E, Article 05, UDC)  487 If / 100 If * 2 = 10 Canopy Trees  4 Accent Trees / 100 If (Subsection 06.02.E, Article 05, UDC)  487 If / 100 If * 4 = 20 Accent Trees  PARKING LOT LANDSCAPING  If the parking and maneuvering space exceeds 20,000 sf, one (1) large canopy tree for every ten (10) parking spaces shall be required to be planted internal to the parking areas. (Subsection 05.03.E, Article 08, UDC)  No parking spaces may be located more than 80-feet from the trunk of a canopy tree. (Subsection 05.03.E, Article 08, UDC)  LANDSCAPE REQUIREMENTS  REQUIRED  37,794 sf (20%)  20% x 188, 972 sf = 37, 794 sf  Aminimum of 50% of the required landscaping shall be located in the front of and along the side of buildings with street frontage. (Subsection 05.03.A, Article 08, UDC)  Trash/Recycling enclosures shall be four sided. These recentacles shall be  Trash/Recycling enclosures shall be four sided. These recentacles shall be	30 in
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Trash/Recycling enclosures shall be four sided. These recentacles shall be	18,898 sf (50%)
Trash/Recycling enclosures shall be four sided. These receptacles shall be	PROVIDED
screened by a minimum sixfoot, solid masonry dumpster enclosure.	6ft Wall
1 Canopy Tree / 20 If (Subsection 01.05.E, Article 05, UDC) 90 If / 20 If = 5 Canopy Trees	<del> </del>
Screened with evergreen shrubs (Subsection 01.05.B, Article 05, UDC)  Yes	5 Canopy Trees

NOTE: REFER TO SHEET LP 3.03 TO SEE FULL LANDSCAP NOTE: PLANTS ARE SPECIFIED BY HEIGHT AND SPREAD, NOT CONTAINER SIZE. ALL PLANTINGS ARE EXPECTED TO MEET ALL SPECIFICATIONS PROVIDED. NOTE: PLANT QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY. IN THE CASE OF A DISCREPANCY, THE DRAWING SHALL TAKE PRECEDENCE.

Pervious	Impervious	
65%	35%	
(123,862 sf)	(65,110 sf)	



SITE PLAN FOR FUEL CITY — ROCKWALL LOT 2, BLOCK A CORNERSTONE COMMUNITY CHURCH

4.34 ACRES

N. BUTLER SURVEY ABSTRACT NO. 20 City of Rockwall, Rockwall County, Texas Current Zoning: C (Commerical District) Proposed Land Use: Gas Station/ Car Wash Submitted: May 16th, 2025

Architect:

Carroll Architects
750 E. Interstate 30, Ste. 110
Rockwall, Texas 75087
Contact: Glennon Langston
Phone: 972-732-6085

Developer:
Fuel City
801 S. Riverfront Boulevard,00
Dallas, Texas 75207
Contact: Joseph Bickham
Phone: 469-203-0159

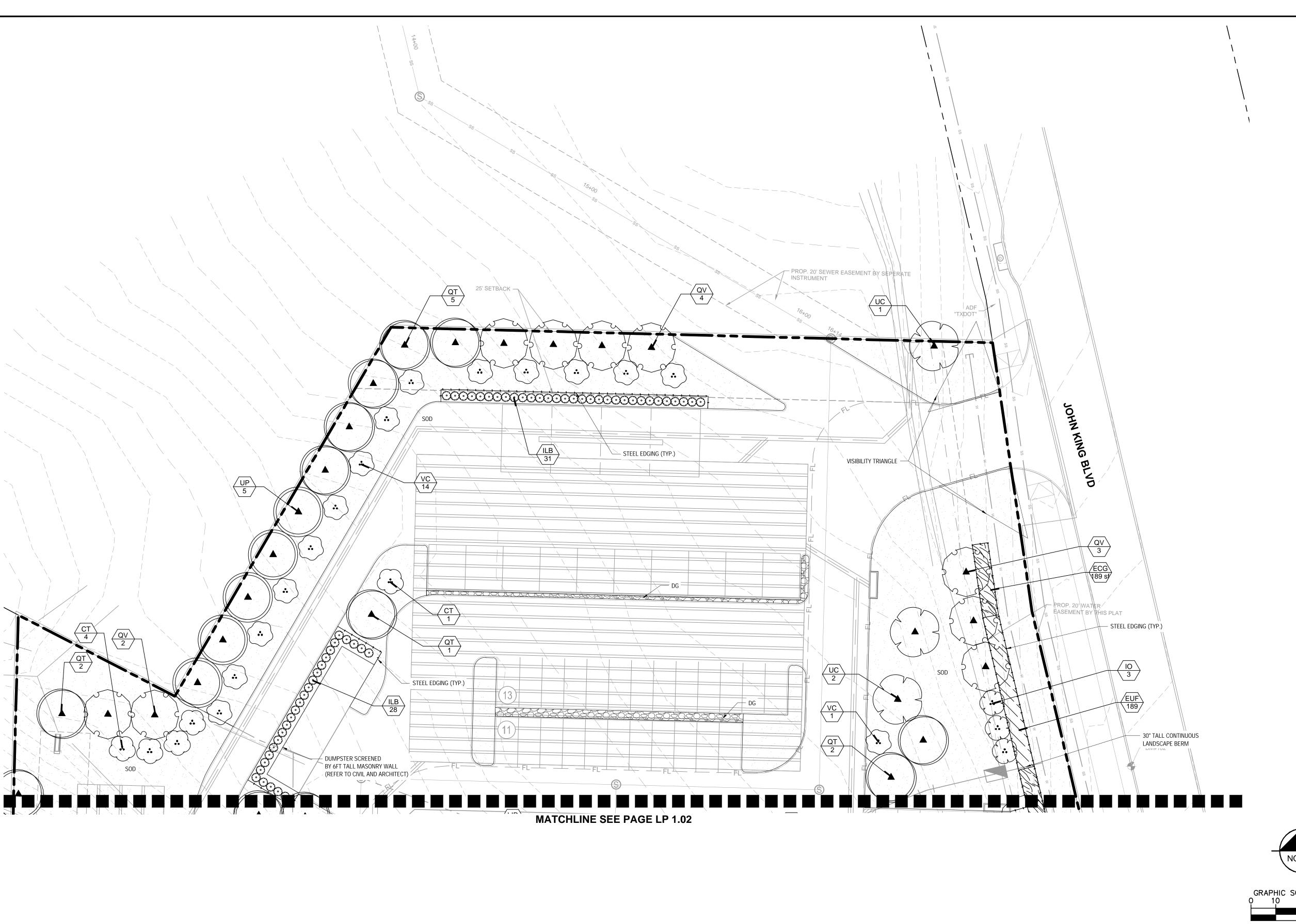
Engineer:
Kimley-Horn and Associates, Inc.
225 E. John W Carpenter FWY,
Suite 1100
Irving, Texas 75062
Contact: Jared Earney, P.E.
Phone: 214-420-5600

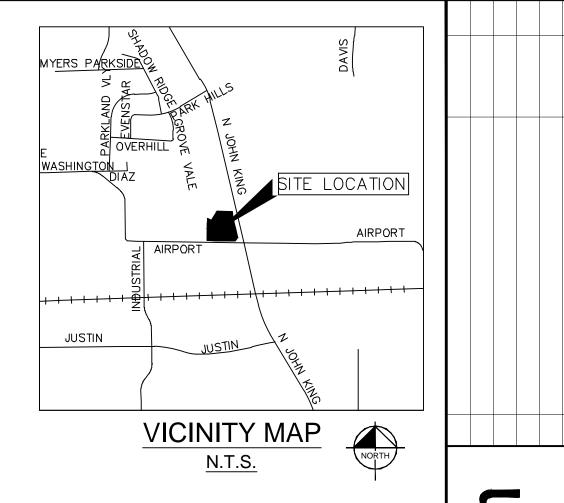
SHEET NUMBER LP 1.00

Kimley»Horn

P.L.A. NIKOLAUS B. ADAMS
L.A. No. 3404 Date 5/15/2025

Know what's **below. Call before you dig.** 





## PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME	
TREES			
( <u> </u>	QT	Quercus texana / Texas Red Oak	
	QV	Quercus virginiana / Southern Live Oak	
	UC	Ulmus crassifolia / Cedar Elm	
	UP	Ulmus parvifolia / Lacebark Elm	
ORNAMENTAL TREE			

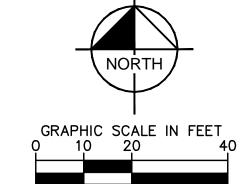
	СТ	Cercis canadensis / Eastern Redbud
	Ю	Ilex decidua / Possumhaw Holly
•	VC	Vitex agnus-castus / Chaste Tree
SHRUBS	ILB	llex cornuta `Burfordii` / Burford Holly

**GROUND COVERS** 

Eragrostis curvula / Weeping Lovegrass Euonymus fortunei `Coloratus` / Purple-leaf Winter Creeper Liriope muscari / Liriope

Nassella tenuissima / Mexican Feather Grass

Pervious	Imperviou
65%	35%
(123,862 sf)	(65,110 sf



NOTE: IRRIGATION WILL MEET REQUIREMENTS OF UDC. NOTE: REFER TO SHEET LP 3.03 TO SEE FULL LANDSCAPE NOTE: PLANTS ARE SPECIFIED BY HEIGHT AND SPREAD, NOT CONTAINER SIZE. ALL PLANTINGS ARE EXPECTED TO MEET ALL SPECIFICATIONS PROVIDED.

NOTE: PLANT QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY. IN THE CASE OF A DISCREPANCY, THE DRAWING SHALL TAKE PRECEDENCE.

SITE PLAN FOR FUEL CITY - ROCKWALL LOT 2, BLOCK A CORNERSTONE COMMUNITY CHURCH

4.34 ACRES

N. BUTLER SURVEY ABSTRACT NO. 20 City of Rockwall, Rockwall County, Texas Current Zoning: C (Commerical District) Proposed Land Use: Gas Station/ Car Wash Submitted: May 16th, 2025

Architect:
Carroll Architects
750 E. Interstate 30, Ste.
Rockwall, Texas 75087
Contact: Glennon Langstor
Phone: 972-732-6085

Know what's **below. Call before you dig.** 

EXISTING UNDERGROUND

UTILITIES. CONTRACTOR TO VERIFY EXACT LOCATION PRIOR TO ANY TRENCHING

SHEET NUMBER

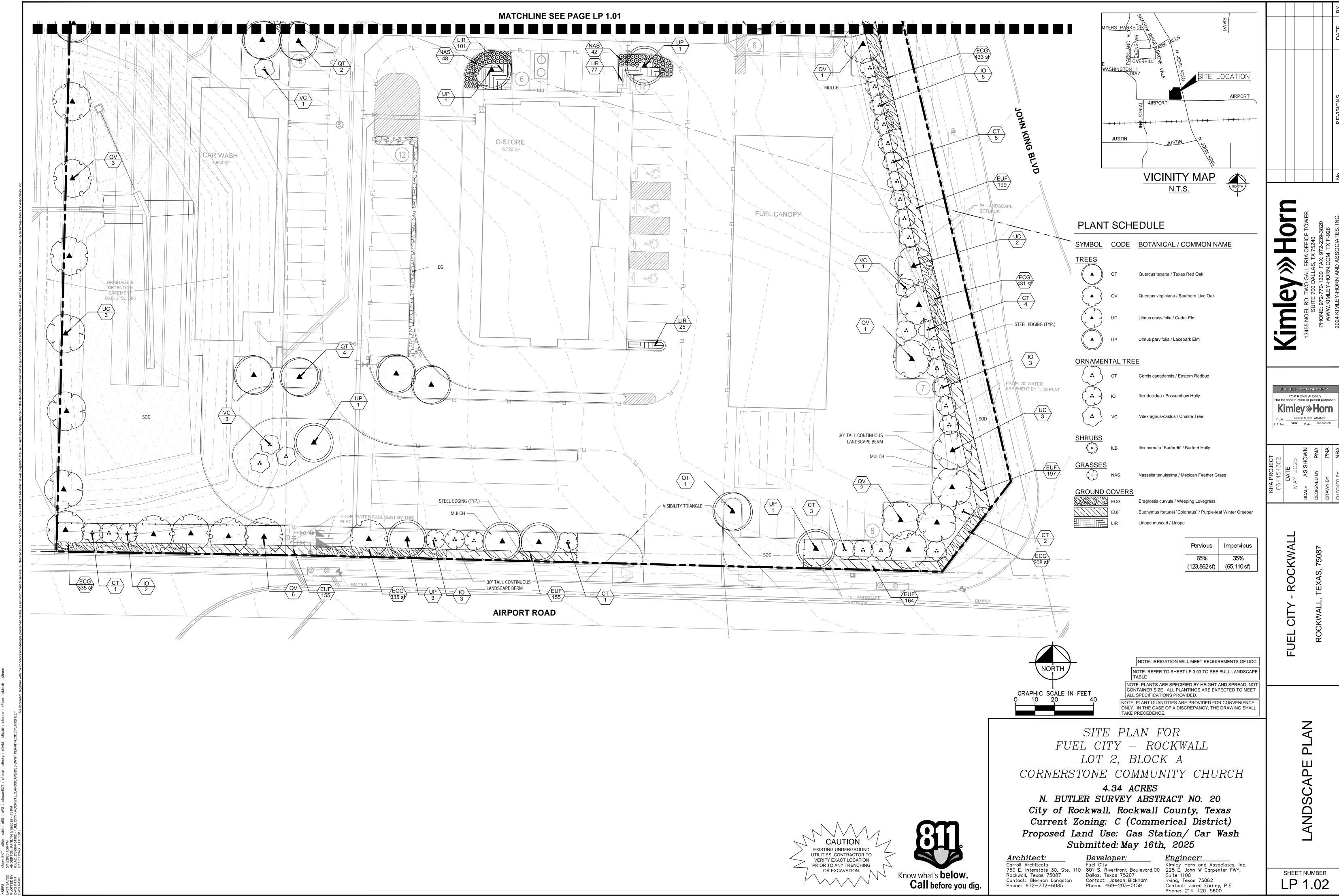
FOR REVIEW ONLY
Not for construction or permit purpose

Kimley»Horn

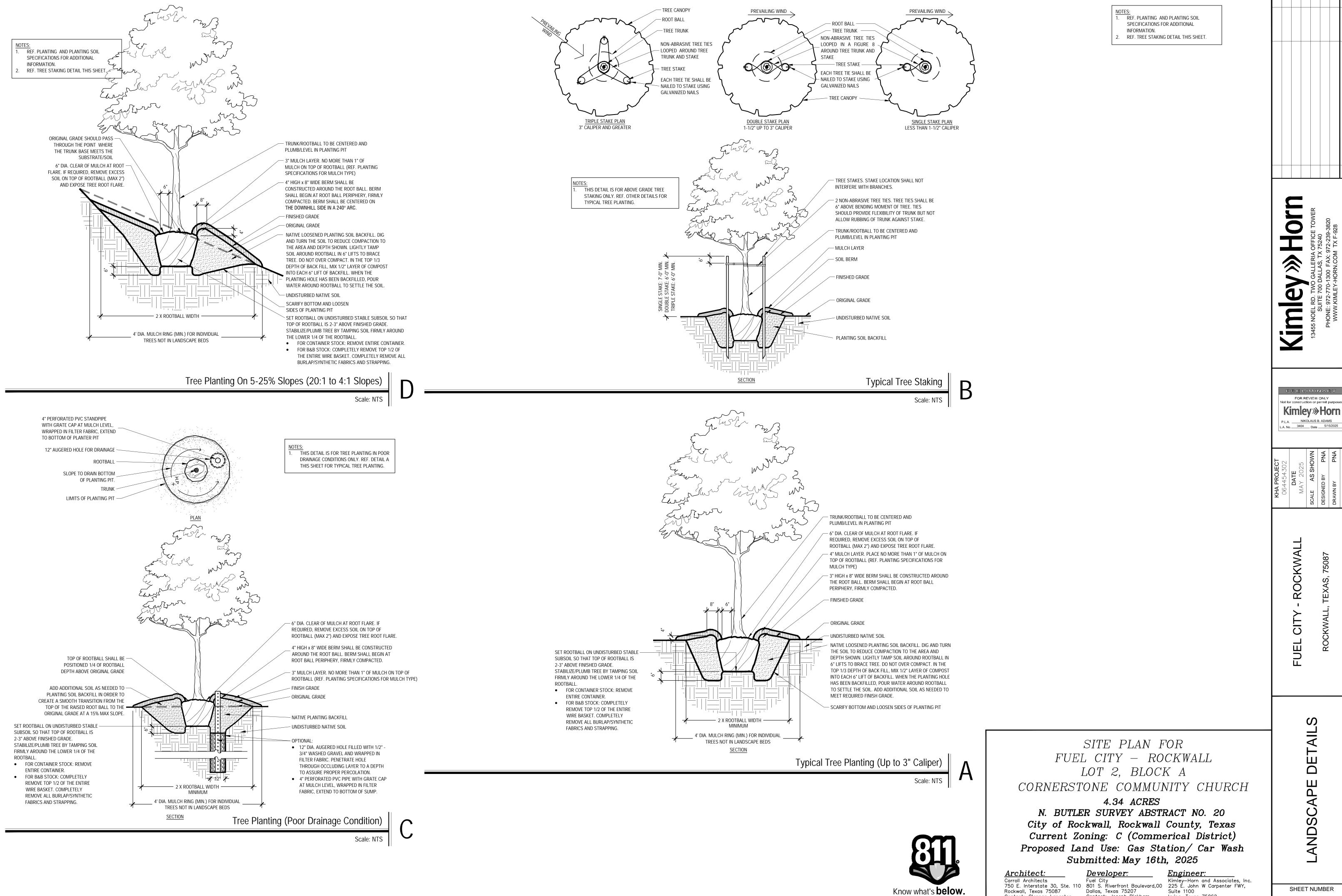
Developer:
Fuel City
Kimley-Horn and Associates, Inc.
225 E. John W Carpenter FWY,
Suite 1100

gston Contact: Joseph Bickham
Above Phone: 469-203-0159

Engineer:
Kimley-Horn and Associates, Inc.
225 E. John W Carpenter FWY,
Suite 1100
Irving, Texas 75062
Contact: Jared Earney, P.E.
Phone: 214-420-5600 LP 1.01



EPSG2276\_Date20240920\_Lat32.928949\_Lon-96.438653\_Mpp0.149 : xSeveEXT : xSte : xUtil : oEG : oFG : oSeveEXT : xAerial : xBndry : xDAM : xExUtil : xBorder : xPlant : xMatch : xStorr



SHEET NUMBER LP 3.01

Rockwall, Texas 75087

Phone: 972-732-6085

Call before you dig.

Contact: Glennon Langston

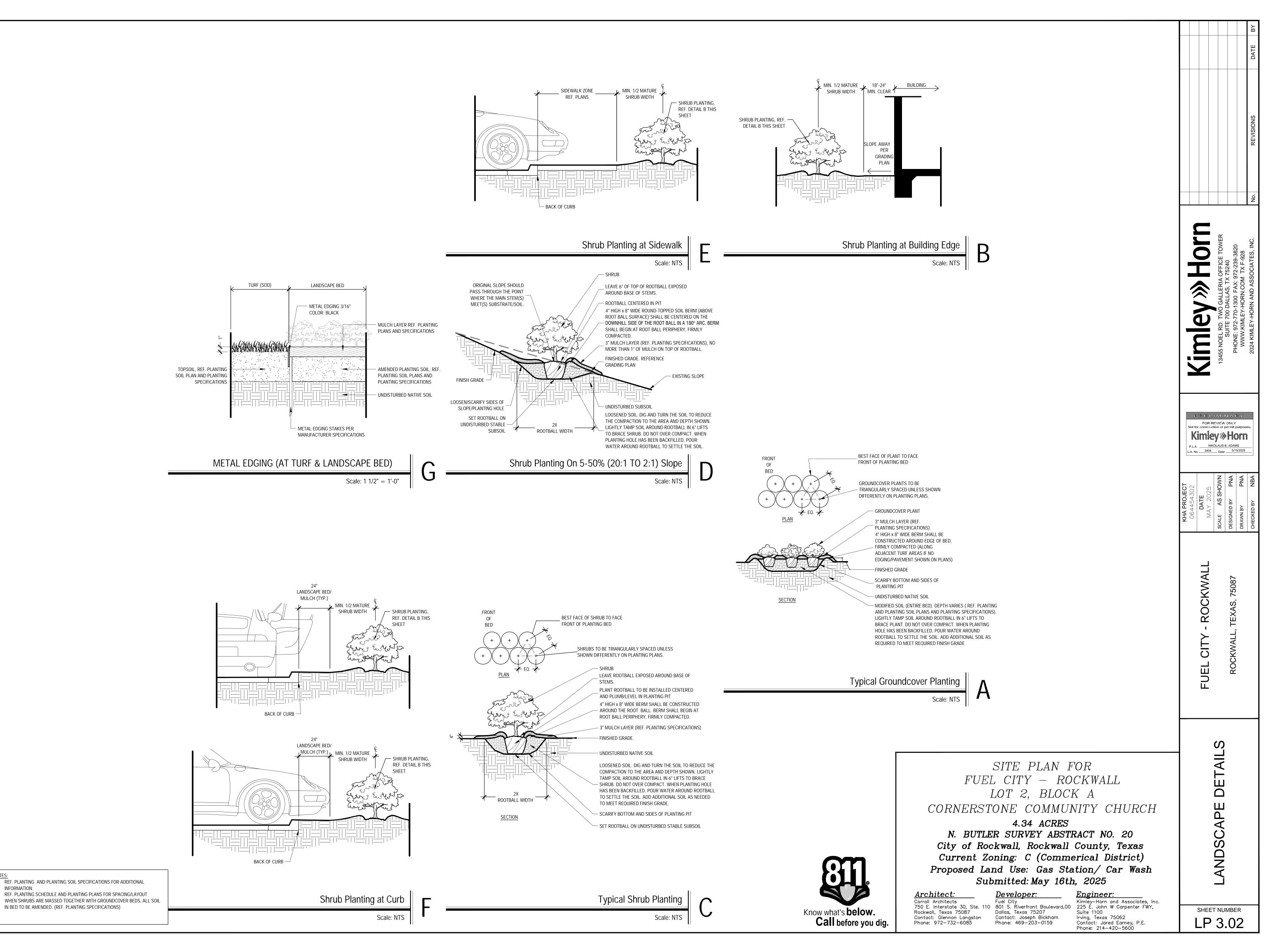
Dallas, Texas 75207

Contact: Joseph Bickham

Phone: 469-203-0159

Irving, Texas 75062

Contact: Jared Earney, P.E. Phone: 214-420-5600



1. THE WORK CONSISTS OF FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS HEREIN SPECIFIED

2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL PLANTING AREAS OF THIS CONTRACT UNTIL

CERTIFICATION OF ACCEPTABILITY BY THE OWNER. **B. PROTECTION OF EXISTING STRUCTURES** ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, AND OTHER ITEMS OF CONSTRUCTION AND PLANTING ALREADY COMPLETED OR ESTABLISHED SHALL BE PROTECTED FROM DAMAGE BY THIS

CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.

C. PROTECTION OF EXISTING PLANT MATERIALS OUTSIDE LIMIT OF WORK

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY CARELESS OPERATION OF EQUIPMENT. STOCKPILING OF MATERIALS, ETC. THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE HE DRIP-LINE OR THE SPILLING OF OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED WHERE THE HEAT WILL DAMAGE ANY PLANT. TREES KILLED OR DAMAGED SO THAT THEY ARE MISSHAPEN AND/ OR UNSIGHTLY SHALL BE REPLACED AT THE COST TO THE CONTRACTOR OF ONE HUNDRED DOLLARS (\$100) PER CALIPER INCH ON AN ESCALATING SCALE WHICH ADDS AN ADDITIONAL TWENTY (20) PER CENT PER INCH OVER FOUR (4 INCHES CALIPER AS FIXED AND AGREED LIQUIDATED DAMAGES. CALIPER SHALL BE MEASURED SIX (6) INCHES ABOVE GROUND LEVEL FOR TREES UP TO AND INCLUDING FOUR (4) INCHES IN CALIPER AND TWELVE (12) INCHES ABOVE GROUND LEVEL FOR TREES OVER FOUR (4) INCHES IN CALIPER

D. MATERIALS

SAMPLES OF MATERIALS AS LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL, ON THE SITE OR AS OTHERWISE DETERMINED BY THE OWNER. UPON APPROVAL OF SAMPLES, DELIVERY OF

MATERIALS SAMPLES MULCH ONE (1) CUBIC FOO TOPSOIL ONE (1) CUBIC YARD

PLANTS ONE (1) OF EACH VARIETY

A. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. NOMENCI ATURE SHALL CONFORM TO STANDARDIZED PLANT NAMES 1942 EDITION. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS AS STATED IN THE LATEST EDITION OF MERICAN STANDARD FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERYMEN. ALL PLANTS SHALL BE FRESHLY DUG, SOUND, HEALTHY, VIGOROUS, WELL-BRANCHED AND FREE OF DISEASE AND INSECTS INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY UPON THE APPROVAL OF THE OWNER.

B. MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPROVED, THE BALL OF EARTH OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PLANT

C. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH OR LIPON DELIVERY TO THE SITE AS DETERMINED BY THE OWNER FOR QUALITY SIZE AND VARIETY: SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF BALLS OR ROOTS. ATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.

E. TOPSOIL

1. ASTM D5268, NATURAL, FRIABLE, FERTILE, FINE LOAMY SOIL POSSESSING CHARACTERISTICS OF REPRESENTATIVE TOPSOIL IN THE VICINITY THAT PRODUCES HEAVY GROWTH. TOPSOIL SHALL HAVE A PH RANGE OF 5.5 TO 7.4 PERCENT, FREE FROM SUBSOIL, OBJECTIONABLE WEEDS, LITTER, SODS, STIFF CLAY, STONES LARGER THAN 1-INCH IN DIAMETER, STUMPS, ROOTS, TRASH, HERBICIDES, TOXIC SUBSTANCES, OR ANY OTHER MATERIAL WHICH MAY BE HARMFUL TO PLANT GROWTH OR HINDER PLANTING OPERATIONS TOP SOIL SHALL CONTAIN A MINIMUM OF THREE PERCENT ORGANIC MATERIAL

2. SALVAGED OR EXISTING TOPSOIL: REUSE SUITABLE TOPSOIL STOCKPILED ON-SITE OR EXISTING TOPSOIL UNDISTURBED BY GRADING OR EXCAVATION OPERATIONS. CLEAN TOPSOIL OF ROOTS, PLANTS, SOD, STONES, CLAY LUMPS, AND OTHER EXTRANEOUS MATERIALS HARMFUL TO PLANT GROWTH.

3. VERIFY AMOUNT OF SUITABLE TOPSOIL STOCKPILED IF ANY, AND SUPPLY ADDITIONAL IMPORTED TOPSOIL AS NEEDED. FOUR (4) INCHES OF TOPSOIL TO BE PROVIDED FOR ALL TURF AREAS. TWENTY FOUR (24) INCHES OF TOPSOIL TO BE PROVIDED FOR ALL PLANTING AREAS WITHIN INTERIOR LANDSCAPE ISLANDS AND FOUNDATION PLANTINGS. FOR ALL OTHER PLANTING AREAS, TWELVE (12) INCHES OF TOPSOIL MINIMUM TO

4. IMPORTED TOPSOIL: SUPPLEMENT SALVAGED TOPSOIL WITH IMPORTED TOPSOIL FROM OFF-SITE SOURCES

5. OBTAIN TOPSOIL DISPLACED FROM NATURALLY WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT LEAST 6 INCHES DEEP; DO NOT OBTAIN FROM AGRICULTURAL LAND, BOGS, OR MARSHES 6. VERIFY BORROW AND DISPOSAL SITES ARE PERMITTED AS REQUIRED BY STATE AND LOCAL REGULATIONS.

OBTAIN WRITTEN CONFIRMATION THAT PERMITS ARE CURRENT AND ACTIVE 7. OBTAIN PERMITS REQUIRED BY STATE AND LOCAL REGULATIONS FOR TRANSPORTING TOPSOIL. PERMITS SHALL BE CURRENT AND ACTIVE.

8. AMEND EXISTING AND IMPORTED TOPSOIL AS INDICATED BELOW. a. ORGANIC SOIL AMENDMENTS

1 MANURE: WELL-ROTTED LINEFACHED STABLE OR CATTLE MANURE CONTAINING NOT MORE THAN 25 PERCENT BY VOLUME OF STRAW SAWDUST OR OTHER BEDDING MATERIALS: FREE OF TOXIC SUBSTANCES, STONES, STICKS, SOIL, WEED SEED, AND MATERIAL HARMFUL TO

3. COMPOST: DECOMPOSED ORGANIC MATERIAL INCLUDING LEAF LITTER, MANURE, SAWDUST, PLANT TRIMMINGS AND/OR HAY, MIXED WITH SOIL.

4. PECAN HULLS: COMPOSTED PECAN HULLS FOR LOCAL SOURCE. 5. BIOSOLIDS: USE GRADE 1 CONTAINING LOWER PATHOGEN LEVELS.

6. WORM CASTINGS: EARTHWORMS.

b. INORGANIC SOIL AMENDMENTS

1. LIME: ASTM C602, CLASS O AGRICULTURAL LIMESTONE CONTAINING A MINIMUM OF 80 PERCENT CALCIUM CARBONATE EQUIVALENT WITH A MINIMUM OF 95 PERCENT PASSING NO. 8 SIEVE AND MINIMUM OF 55 PERCENT PASSING NO. 60 SIEVE.

2. SULFUR: GRANULAR, BIODEGRADABLE, CONTAINING A MINIMUM OF 90 PERCENT SULFUR, /ITH A MINIMUM OF 99 PERCENT PASSING NO. 6 SIEVE AND A MAXIMUM OF 10 PERCENT

3. IRON SULFATE: GRANULATED FERROUS SULFATE CONTAINING A MINIMUM OF 20 PERCENT

4. AGRICULTURAL GYPSUM: FINELY GROUND, CONTAINING A MINIMUM OF 90 PERCENT CALCIUM

5. SAND: CLEAN, WASHED, NATURAL OR MANUFACTURED, FREE OF TOXIC MATERIALS.

c. PLANTING SOIL MIX

1. PLANTING MIX MAY BE PROVIDED BY LIVING EARTH OR MINICK MATERIALS OR APPROVED

2. PLANTING MEDIUM CONTAINING 75 PERCENT SPECIFIED TOPSOIL MIXED WITH 15 PERCENT RGANIC SOIL AMENDMENTS AND 10 PERCENT SHARP WASHED SAND. INSTALL TO DEPTHS PER PLANTING DETAILS (12" MIN.) FINISHED GRADES OF PLANTING BEDS TO BE 2" BELOW FINISHED GRADE OF ADJACENT PAVING OR AS SHOWN ON GRADING PLAN.

2. SOD/SEED AREA TOPSOIL ALL SOD AREAS TO RECEIVE 4" DEPTH (MIN) TOPSOIL PRIOR TO INSTALLATION. TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, WITH 25% (MIN.) ORGANIC MATERIAL, AND FREE OF TRASH, DEBRIS, STONES, WEEDS, AND TWIGS/BRANCHES. THE PARTICLE SIZES SHALL BE SUCH THAT 98.5% OF THE TOPSOIL WILL PASS THROUGH A 1/2 INCH SCREEN, AND 99% MORE SHALL PASS THROUGH A 3/4 INCH SCREEN. TOPSOIL SHALL BE REVIEWED/APPROVED BY OWNER/LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. CONTRACTOR TO SUBMIT SAMPLES IN 1 GAL (MIN.) CONTAINER.

WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN AN ADEQUATE GROWTH OF PLANTS AND SHALL NOT CONTAIN HARMFUL. NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE

FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC. IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SUCH SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER. I. COMMERCIAL FERTILIZER

COMMERCIAL FERTILIZER SHALL BE A COMPLETE FORMULA: IT SHALL BE UNIFORM IN COMPOSITION. DRY AND FREE FLOWING. THIS FERTILIZER SHALL BE DELIVERED TO THE SITE IN THE ORIGINAL UNOPENED CONTAINERS, EACH BEARING THE MANUFACTURER'S GUARANTEED STATEMENT OF ANALYSIS. FIFTY PERCENT (50%) OF THE NITROGEN SHALL BE DERIVED FROM NATURAL ORGANIC SOURCES. THE FOLLOWING FERTILIZERS SHALL BE USED AND APPLIED AT RATES AS SUGGESTED BY MANUFACTURER'S

1. SHRUBS AND TREES - MILORGANITE, OR APPROVED EQUAL 2. ANNUALS AND GROUNDCOVERS - OSMOCOTE/SIERRA BLEND 14-14-14 3. SOD - 8-8-8 FERTILIZER

IN ADDITION TO SURFACE APPLIED FERTILIZERS. ALL CONTAINER GROWN AND FIELD GROWN PLANT MATERIAL SHALL RECEIVE "AGRIFORM" PLANTING TABLETS 24-10-5 FORMULA, 21 GRAM OR EQUAL. THESE TABLETS SHALL BE PLACED AT A DEPTH OF ROOT BALL AT THE RATE AS SPECIFIED BY MANUFACTURER.

MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A DEPTH OF 3 INCHES. SEE PLANT LIST FOR TYPE OF MATERIAL

1. PROTECT ROOTS OR BALLS OF PLANTS AT ALL TIMES FROM SUN AND DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT BREAKAGE AND DRYING OUT DURING TRANSIT. TREES TRANSPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO SITE SHALL BE SPRAYED VITH AN ANTI-TRANSPIRANT PRODUCT ("WILTPRUF" OR EQUAL) TO MINIMIZE TRANSPIRATIONAL WATER LOSS.

2. BALLED AND BURLAPPED PLANTS (B&B) SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROOTS OF THE PLANTS. NO PLANTS. MOVED WITH A BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS BALLED AND BURLAPPED OR CONTAINER GROWN SHALL NOT BE HANDLED BY STEMS.

3. PLANTS MARKED "BR" IN THE PLANT LIST SHALL BE DUG WITH BARE ROOTS. THE ROOTS SHALL NOT BE CUT WITHIN THE MINIMUM SPREAD SPECIFIED IN THE PLANT LIST. CARE SHALL BE EXERCISED THAT THE ROOTS DO NOT DRY OUT IN MOVING AND PRIOR TO PLANTING

4. PROTECTION OF PALMS (IF APPLICABLE): ONLY A MINIMUM OF FRONDS SHALL BE REMOVED FROM THE CROWN OF THE PALM TREES TO FACILITATE MOVING AND HANDLING. CLEAR TRUNK (CT) SHALL BE AS SPECIFIED AFTER THE MINIMUM OF FRONDS HAVE BEEN REMOVED. ALL PALMS SHALL BE BRACED

5. EXCAVATION OF TREE PITS SHALL BE DONE USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS AND

M CONTAINER GROWN STOCK

1. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS AND ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION 2. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.

3. PLANT ROOTS BOUND IN CONTAINERS SHALL NOT BE ACCEPTABLE.

4. SUBSTITUTION OF NON-CONTAINER GROWN MATERIAL FOR MATERIAL EXPLICITLY SPECIFIED TO BE CONTAINER GROWN WILL NOT BE PERMITTED UNLESS WRITTEN APPROVAL IS OBTAINED FROM THE OWNER

WHEN THE LISE OF COLLECTED STOCK IS PERMITTED AS INDICATED ON THE PLANT LIST SCHEDULE THE MINIMUM SIZES OF ROOTBALLS SHALL BE EQUAL TO THAT SPECIFIED FOR THE NEXT LARGER SIZE OF NURSERY GROWN STOCK OF THE SAME VARIETY. O. NATIVE STOCK

PLANTS COLLECTED FROM WILD OR NATIVE STANDS SHALL BE CONSIDERED NURSERY GROWN WHEN THEY HAVE BEEN SUCCESSFULLY REESTABLISHED IN A NURSERY ROW AND GROWN UNDER REGULAR NURSERY CULTURAL PRACTICES FOR A MINIMUM OF TWO (2) GROWING SEASONS AND HAVE ATTAINED ADEQUATE ROOT AND TOP GROWTH TO INDICATE FULL RECOVERY FROM TRANSPLANTING INTO THE NURSERY ROW.

QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR, QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR WNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE BIDDERS TAKE OFF AND THE PLANT LIST QUANTITY, THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO THE SUBMISSIONS OF BIDS. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE

1. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. BERMING AS SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR, UNLESS OTHERWISE NOTED. 2. THE LANDSCAPE CONTRACTOR SHALL FINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR THICKNESS OF SOD AND/OR MULCH DEPTH THIS CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A

GRADING TRACTOR WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE. 3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS.

R. PLANTING PROCEDURES

1 CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN UP WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER. ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH. HE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT OR OWNER. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.

2. VERIFY LOCATIONS OF ALL UTILITIES, CONDUITS, SUPPLY LINES AND CABLES, INCLUDING BUT NOT LIMITED TO: ELECTRIC, GAS (LINES AND TANKS), WATER, SANITARY SEWER, STORMWATER LINES, CABLE AND ELEPHONE. PROPERLY MAINTAIN AND PROTECT EXISTING UTILITIES.

3. SUBGRADE EXCAVATION: SITE CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36". SITE CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY SITE CONTRACTOR, AND POSITIVE DRAINAGE CAN NOT BE ACHIEVED, LANDSCAPE CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT OR OWNER

4. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS HEREIN SPECIFIED AND REQUIRED. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING

5, GENERAL: COMPLY WITH APPLICABLE FEDERAL. STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. PLANTS SHALL BE PROTECTED UPON ARRIVAL AT THE SITE BY BEING THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS SHALL NOT REMAIN UNPROTECTED FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES WORKMANLIKE METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED.

6. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE THE PLANTING WITH THE IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION ITEMS AND PLANTS.

7. ALL PLANTING PITS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH THE USA STANDARD FOR NURSERY STOCK 260.1, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACKFILLED WITH THE PREPARED PLANTING SOIL AS SPECIFIED HEREIN BEFORE (SECTION H). TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. IF POOR DRAINAGE EXISTS, UTILIZE PLANTING DETAIL THAT ADDRESSES THIS CONDITION. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW. FULL HOSE STREAM ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURE AND UNDER THE SUPERVISION OF A QUALIFIED PLANTING FOREMAN. PROPER "JETTING IN" SHALL BE ASSURED TO ELIMINATE AIR POCKETS AROUND THE ROOTS. "JET STICK" OR EQUAL IS RECOMMENDED.

8. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES.

9. SOIL MIXTURE SHALL BE AS SPECIFIED IN SECTION H OF THESE SPECIFICATIONS. IN ADDITION, EACH PLANTING PIT SHALL RECEIVE 21-GRAM "AGRIFORM" PLANTING TABLETS PER MANUFACTURER'S SPECIFICATIONS OR AS FOLLOWS:

TWO (2) TABLETS PER 1 GAL. PLANT - FOUR (4) TABLETS PER 10 GAL, PLANT

- LARGER MATERIAL - TWO (2) TABLETS PER 1/2" OF TRUNK CALIPER 10. TREES AND SHRUBS SHALL BE SET STRAIGHT AND AT SUCH A LEVEL THAT AFTER SETTLEMENT. THE PLANT CROWN WILL STAND ONE (1) TO TWO (2) INCHES ABOVE GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PIT. PLANTING SOIL MIXTURE SHALL BE BACKFILLED AND THOROUGHLY TAMPED

AROUND THE BALL AND SHALL BE SETTLED BY WATER AFTER TAMPING. 11 FILL HOLF WITH SOIL MIXTURE MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES. STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET. ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE, ONLY WITH MULCH. ALL BURLAP, ROPE, WIRES, ETC., SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH.

12. PRUNING: EACH TREE SHALL BE PRUNED TO PRESERVE THE NATURAL CHARACTER OF THE PLANT AS SHOWN ON THE DRAWINGS. ALL SOFT WOOD OR SUCKER GROWTH AND ALL BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT.

13. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 6", REMOVE AND DISPOSE ALL DEBRIS. TILL INTO TOP 4" THE PLANTING SOIL MIX AS SPECIFIED IN SECTION E. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.

14. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE LANDSCAPE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO INSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE LANDSCAPE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING OF THEIR INTENTIONS AND AGREE TO HOLD HARMLESS THE LANDSCAPE ARCHITECT IN THE EVENT ANY TREES FALL DOWN AND DAMAGE PERSON OR

15. MULCHING: PROVIDE A THREE (3) INCH MINIMUM LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA OF EACH SHRUB BED, GROUND COVER AND VINE BED AND TREE PIT 16. HERBICIDE WEED CONTROL: ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. IF DIRECTED BY THE OWNER, "ROUND-UP" SHALL BE APPLIED FOR WEED CONTROL BY QUALIFIED PERSONNEL TO ALL PLANTING AREAS IN SPOT APPLICATIONS PER MANUFACTURER'S PRECAUTIONS AND SPECIFICATIONS. PRIOR TO FINAL INSPECTION, TREAT ALL PLANTING BEDS WITH AN APPROVED PRE-EMERGENT HERBICIDE AT AN APPLICATION RATE RECOMMENDED BY THE MANUFACTURER

S. LAWN SODDING

1. THE WORK CONSISTS OF LAWN BED PREPARATION, SOIL PREPARATION, AND SODDING COMPLETE, IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE APPLICABLE DRAWINGS TO PRODUCE A GRASS LAWN ACCEPTABLE TO THE OWNER.

2 LAWN BED PREPARATION: ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROUGH GRASS. WEEDS, AND DEBRIS, AND THE GROUND BROUGHT TO AN EVEN GRADE. THE WHOLE SURFACE SHALL BE ROLLED WITH A ROLLER WEIGHING NOT MORE THAN ONE-HUNDRED (100) POUNDS PER FOOT OF WIDTH. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT OF ROLLING SHALL BE FILLED WITH ADDITIONAL SOIL. AND THE SURFACE SHALL BE REGRADED AND ROLLED UNTIL

PRESENTING A SMOOTH AND EVEN FINISH THAT IS UP TO THE REQUIRED GRADE. 3 SOIL PREPARATION: PREPARE LOOSE BED FOUR (4) INCHES DEEP. APPLY FERTILIZER AT RATE OF TWENTY (20) POUNDS PER ONE THOUSAND (1000) SQUARE FEET. APPLICATION SHALL BE UNIFORM. UTILIZING APPROVED MECHANICAL SPREADERS. MIX FERTILIZER THOROUGHLY WITH THE SOIL TO A PEPTH OF THREE (3) INCHES. HAND RAKE UNTIL ALL BUMPS AND DEPRESSIONS ARE REMOVED. WET PREPARED AREA THOROUGHLY 4. SODDING

A. THE CONTRACTOR SHALL SOD ALL AREAS THAT ARE NOT PAVED OR PLANTED AS DESIGNATED ON THE DRAWINGS WITHIN THE CONTRACT LIMITS, UNLESS SPECIFICALLY NOTED OTHERWIS B. THE SOD SHALL BE CERTIFIED TO MEET THE STATE PLANT BOARD SPECIFICATIONS. ABSOLUTELY TRUE TO VARIETAL TYPE, AND FREE FROM WEEDS, FUNGUS, INSECTS AND DISEASE OF ANY KIND. C. SOD PANELS SHALL BE LAID TIGHTLY TOGETHER SO AS TO MAKE A SOLID SODDED LAWN AREA SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS PAVED AND PLANTED AREAS. ADJACENT TO BUILDINGS, A FOUR INCH MULCH STRIP SHALL BE PROVIDED. IMMEDIATELY FOLLOWING SOD LAYING, THE LAWN AREAS SHALL BE ROLLED WITH A LAWN ROLLER CUSTOMARILY USED FOR SUCH PURPOSES, AND THEN THOROUGHLY IRRIGATED. IF, IN THE OPINION OF THE OWNER, TOP-DRESSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, CLEAN SAND AS APPROVED BY THE ANDSCAPE ARCHITECT OR OWNER SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN.

D. DURING DELIVERY, PRIOR TO AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY SWEATING OR EXCESSIVE

A. PROVIDE FRESH, CLEAN, NEW CROP LAWN SEED MIXTURE. FURNISH TO OWNER DEALERS GUARANTEED STATEMENT OF COMPOSITION OF MIXTURE AND PERCENTAGE OF PURITY AND GERMINATION OF EACH VARIETY.

B. SEED MIXTURE: PROVIDE SEED OF GRASS SPECIES AND VARIETIES, PROPORTIONS BY WEIGHT AND MINIMUM PERCENTAGES OF PURITY, GERMINATION, AND MAXIMUM PERCENTAGE OF WEED SEED. SEED MIXTURES VARY BY REGION AND SEASON AND SHALL COMPLY WITH STATE DO AND LOCAL SOIL CONSERVATION SERVICE STANDARDS FOR LAWN TURE

C. DO NOT PERFORM SEEDING IN WINDY CONDITIONS.

D. SEEDING SHALL BE DISPERSED IN 2 DIRECTIONS AT RIGHT ANGLES TO EACH OTHER.

E. PERMANENTLY SEED AND MULCH CUT AND FILL SLOPES AS CONSTRUCTION PROCEEDS TO EXTENT CONSIDERED DESIRABLE AND PRACTICAL IN THE EVENT IT IS NOT PRACTICAL TO SEED AREAS, SLOPES SHALL BE STABILIZED WITH STRAW MULCH AND TACKIFIER, BONDED FIBER MATRIX, NETTING, BLANKETS OR OTHER MEANS TO REDUCE THE EROSIVE POTENTIAL OF THE AREA.

E SEED LAWN AREAS BY SOWING EVENLY WITH APPROVED MECHANICAL SEEDER AT RATE OF MINIMUM OF 6 POUNDS PER 1,000 SQUARE FEET, AMOUNT WILL VARY BASED ON VARIETY AND/OR SPECIES, CULTI-PACKER OR APPROVED SIMILAR EQUIPMENT MAY BE USED TO COVER SEED AND TO FORM SEEDBED IN ONE OPERATION. IN AREAS INACCESSIBLE TO CUTI-PACKER, LIGHTLY RAKE SEEDED GROUND WITH FLEXIBLE RAKES AD ROLL WITH WATER BALLAST ROLLER. AFTER ROLLING, MULCH WITH STRAW MULCH AT THE RATE OF 2 TONS PER ACRE.

G. SURFACE LAYER OF SOIL FOR SEEDED AREAS SHALL BE KEPT MOIST DURING GERMINATION PERIOD. WATER SEEDED AREAS TWICE FIRST WEEK TO MINIMUM DEPTH OF 6 INCHES WITH FINE SPRAY AND ONCE PER WEEK THEREAFTER AS NECESSARY TO SUPPLEMENT NATURAL RAIN TO EQUIVALENT OF 6 INCHES DEPTH.

H. CONTRACTOR TO REAPPLY SEED AS NECESSARY IN ORDER TO GET ALL SEEDED AREAS ESTABLISHED AS

6. LAWN MAINTENANCE:

A. WITHIN THE CONTRACT LIMITS, THE CONTRACTOR SHALL PRODUCE A DENSE, WELL ESTABLISHED LAWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE-SODDING OF ALL ERODED, SUNKEN OR BARE SPOTS UNTIL CERTIFICATION OF ACCEPTABILITY BY THE LANDSCAPE ARCHITECT OR OWNER REPAIRED SODDING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK (INCLUDING REGRADING IF

B. WATER EVERY DAY FOR TEN (10) SUCCESSIVE DAYS. THEN WATER THREE (3) TIMES PER WEEK (AT EVEN INTERVALS) FOR TWO (2) ADDITIONAL WEEKS. ALL WATERING SHALL BE OF SUFFICIENT QUANTITY D WET OR RESTORE WATER TO DEPTH OF FOUR (4) INCHES. CONTRACTOR TO DETERMINE IF SITE IS IN A

DROUGHT RESTRICTION AREA AND MUST FOLLOW CITY/ COUNTY PROTOCOL IF ANY ARE IN PLACE. UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE. THE CONTRACTOR SHALL REMOVE ALL MATERIAL. EQUIPMENT. AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALI

BE BROOM CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY

THE OWNER'S AUTHORIZED REPRESENTATIVE. U. PLANT MATERIAL MAINTENANCE

ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING. CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING GUY SUPPORTS) NECESSARY TO INSURE A HEALTHY CONDITION BY THE CONTRACTOR UNTIL CERTIFICATION OF ACCEPTABILITY BY THE LANDSCAPE ARCHITECT OR OWNER, MAINTENANCE AFTER THE CERTIFICATION OF ACCEPTABILITY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS IN THIS SECTION. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE TO COVER LANDSCAPE AND IRRIGATION MAINTENANCE FOR A PERIOD OF 90 CALENDAR DAYS COMMENCING AFTER ACCEPTANCE.

/. MAINTENANCE (ALTERNATE BID ITEM 1. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE FOR MAINTENANCE FOLLOWING THE INITIAL 90-DAY MAINTENANCE PERIOD ON A COST PER MONTH BASIS.

1. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE GUARANTEED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE LANDSCAPE

2. THE LIFE AND SATISFACTORY CONDITION OF ALL OTHER PLANT MATERIAL (INCLUDING SOD) INSTALLED Y THE LANDSCAPE CONTRACTOR SHALL BE GUARANTEED BY THE CONTRACTOR FOR A MINIMUM OF 90 CALENDAR DAYS. COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE LANDSCAPE ARCHITECT OR OWNER.

3. REPLACEMENT: ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE GUARANTEE PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED UNDER "PLANTING", AT NO ADDITIONAL COST TO THE OWNER. 4 IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE (AND

IRRIGATION) MAINTENANCE, THE CONTRACTOR IS ENCOURAGED TO VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER, AND SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTH PLANT GROWTH. IT IS SUGGESTED SUCH SITE VISITS SHALL BE CONDUCTED A MINIMUM OF ONCE PER MONTH FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE.

X. FINAL INSPECTION AND ACCEPTANCE OF WORK

FINAL INSPECTION AT THE END OF THE GUARANTEE PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIM SHALL BE SUBJECT TO THE SAME ONE (1) YEAR GUARANTEE (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.

# PLANT SCHEDULE

SYMBOL	CODE	<u>QTY</u>	BOTANICAL / COMMON NAME	SPECIFICATIONS	REMARKS
TREES					
<b>(</b>	QT	17	Quercus texana / Texas Red Oak	4" cal, 16` ht, 5`-6` spr	Full, Straight, Single Leader
	QV	22	Quercus virginiana / Southern Live Oak	4" cal, 16` ht, 5`-6` spr	Full, Straight, Single Leader
	UC	11	Ulmus crassifolia / Cedar Elm	4" cal, 15` ht, 6` spr	Full, Straight, Single Leader
	UP	12	Ulmus parvifolia / Lacebark Elm	4" cal, 15` ht, 6` spr	Full, Straight, Single Leader
ORNAMEN	ITAL TRE	<u>E</u>			
	СТ	21	Cercis canadensis / Eastern Redbud	4" cal, 14` ht, 6` spr	Full, Single Leader
	Ю	16	Ilex decidua / Possumhaw Holly	4" cal, 12` ht, 4` spr	Full, Multi-Trunk
	VC	20	Vitex agnus-castus / Chaste Tree	8` ht, 5` spr	Full, Multi-Trunk
SHRUBS					
Exercise Services	ILB	59	Ilex cornuta `Burfordii` / Burford Holly	36" ht, 30" spr, 42" oc	Full
GRASSES (+)	NAS	90	Nassella tenuissima / Mexican Feather Grass	18" ht, 24" oc	Full
GROUND (	COVERS				
STANDAGE.	ECG	1,931 sf	Eragrostis curvula / Weeping Lovegrass	18" ht, 36" oc	Full
	EUF	1,059	Euonymus fortunei `Coloratus` / Purple-leaf Winter Creeper	8" ht, 8" spr, 18" oc	Full, 1 gallon min.
	LIR	203	Liriope muscari / Liriope	12" ht, 12" spr, 18" oc	Full, 1 gallon min.

NOTE: PLANT QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY. IN THE CASE OF A DISCREPANCY, THE DRAWING SHALL TAKE PRECEDENCE.

NOTE: PLANTS ARE SPECIFIED BY HEIGHT AND SPREAD, NOT CONTAINER SIZE. ALL PLANTINGS ARE EXPECTED TO MEET ALL SPECIFICATIONS PROVIDED.

ANY REVISION TO THIS PLAN WILL REQUIRE CITY OF FRISCO APPROVAL AND WILL REQUIRE REVISIONS TO ANY CORRESPONDING PLANS TO AVOID CONFLICTS BETWEEN

PLANTING NOTES

1. ALL PLANT MATERIAL SHALL BE INSTALLED ACCORDING TO SOUND NURSERY PRACTICES AND SHALL MEET ALL STANDARDS AS STATED IN THE LATEST EDITION OF "AMERICAN STANDARD FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERYMEN.

THE EVENT OF DISCREPANCIES BETWEEN THE DRAWING AND THE PLANT LIST, THE DRAWING SHALL PREVAIL

3. LOCATE ALL UTILITIES PRIOR TO ANY DIGGING OPERATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO EXISTING UTILITIES INCURRED BY HIS WORK.

4. REFERENCE IRRIGATION PLAN FOR BED IRRIGATION INFORMATION.

5. STAKING AND GUYING ALTERNATIVES: METHODS INDICATED IN DRAWING DETAILS ARE PREFERRED. CONTRACTOR MAY SUGGEST ALTERNATE METHODS, ASSUMING FULL RESPONSIBILITY FOR THEIR IMPLEMENTATION. CONTRACTOR SHALL REPLACE, PLANT, OR UPRIGHT ANY TREES BLOWN OVER OR DAMAGED DUE TO INADEQUATE STAKING AT NO ADDITIONAL COST TO THE OWNER.

6. PLANTS MASSED IN BEDS SHALL BE ARRANGED USING TRIANGULAR SPACING.

7. PROVIDE A STEEL EDGE OR CONCRETE MOW STRIP BETWEEN ALL PLANTING BEDS AND LAWN AREAS. REFERENCE SITE PLAN.

8. ALL PLANTING BEDS TO BE TOP DRESSED WITH A MINIMUM OF 3" SHREDDED HARDWOOD MULCH. UNLESS OTHERWISE SPECIFIED 9. PROVIDE GRASS SEEDING OR LAY BERMUDA SOD FOR PROPOSED LAWN AREAS TO ALL EDGES OF PAVEMENT AND/OR LIMITS OF

DISTURBANCE OUTSIDE R.O.W. OR PROPOSED LANDSCAPE EASEMENT. PROVIDE IRRIGATION AS NECESSARY 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL LANDSCAPING UNTIL FINAL ACCEPTANCE. ALL REQUIRED ANDSCAPING SHALL BE MAINTAINED IN A NEAT AND ORDERLY MANNER AT ALL TIMES. THE WORK SHALL INCLUDE, BUT NOT TO BE LIMITED TO MOWING EDGING PRUNING FERTILIZING WATERING WEEDING AND OTHER SUCH ACTIVITIES COMMON TO THE MAINTENANCE OF LANDSCAPING. ALL PLANT MATERIALS SHALL BE MAINTAINED IN A HEALTHY AND GROWING CONDITION AS IS APPROPRIATE FOR THE

SEASON OF THE YEAR. PLANT MATERIAL THAT DIES SHALL BE REPLACED WITH THE PLANT MATERIAL OF SIMILAR SIZE AND VARIETY. 11. CONTRACTOR SHALL WARRANTY PLANT MATERIAL TO REMAIN ALIVE AND HEALTHY FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE, WARRANTY SHALL NOT INCLUDE DAMAGE FOR LOSS OF PLANT MATERIAL DUE TO NATURAL CAUSES. ACTS OF VANDALISM

12. ALL DISTURBED AREAS WITHIN LIMITS OF CONSTRUCTION NOT CALLED TO BE SODDED, SHALL BE REESTABLISHED WITH BERMUDA SOD

13. ALL LANDSCAPE BEDS TO HAVE TOPSOIL/BEDDING MIX THAT MEETS LANDSCAPE SPECIFICATIONS. INSTALL TO DEPTHS, PER PLANTING DETAILS (12" DEPTH MIN.) FINISHED GRADES OF PLANTING BEDS TO BE 2" BELOW FINISHED GRADE OF ADJACENT PAVING OR AS SHOWN ON

14. ALL SOD AREAS TO RECEIVE 4" DEPTH (MIN) TOPSOIL PRIOR TO INSTALLATION. TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, pH RANGE OF 5.5-7.4. AND FREE OF TRASH, DEBRIS, STONES, WEEDS, AND TWIGS/BRANCHES.

15. ALL DISTURBED AREAS IN R.O.W. TO BE RE-ESTABLISHED WITH BERMUDA SEED OR SOD AND IRRIGATED UNLESS OTHERWISE SHOWN ON

16. ALL TREES TO BE PLACED A MINIMUM OF 4' FROM ANY UTILITY.

Know what's **below.** 

Call before you dig.

SITE PLAN FOR FUEL CITY - ROCKWALL LOT 2, BLOCK A CORNERSTONE COMMUNITY CHURCH 4.34 ACRES

N. BUTLER SURVEY ABSTRACT NO. 20 City of Rockwall, Rockwall County, Texas Current Zoning: C (Commerical District) Proposed Land Use: Gas Station / Car Wash Submitted: May 16th, 2025

<u> Architect:</u> Carroll Architects Rockwall, Texas 75087 Contact: Glennon Langston Phone: 972-732-6085

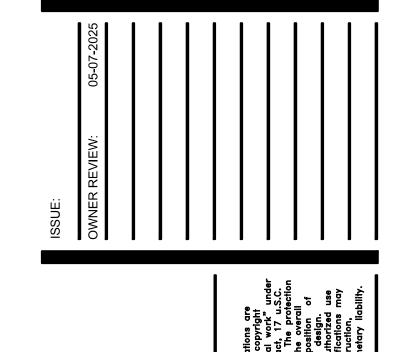
<u>Developer:</u> 750 E. Interstate 30, Ste. 110 801 S. Riverfront Boulevard,00 225 É. John W Carpenter FWY, Dallas, Texas 75207 Contact: Joseph Bickham Phone: 469-203-0159

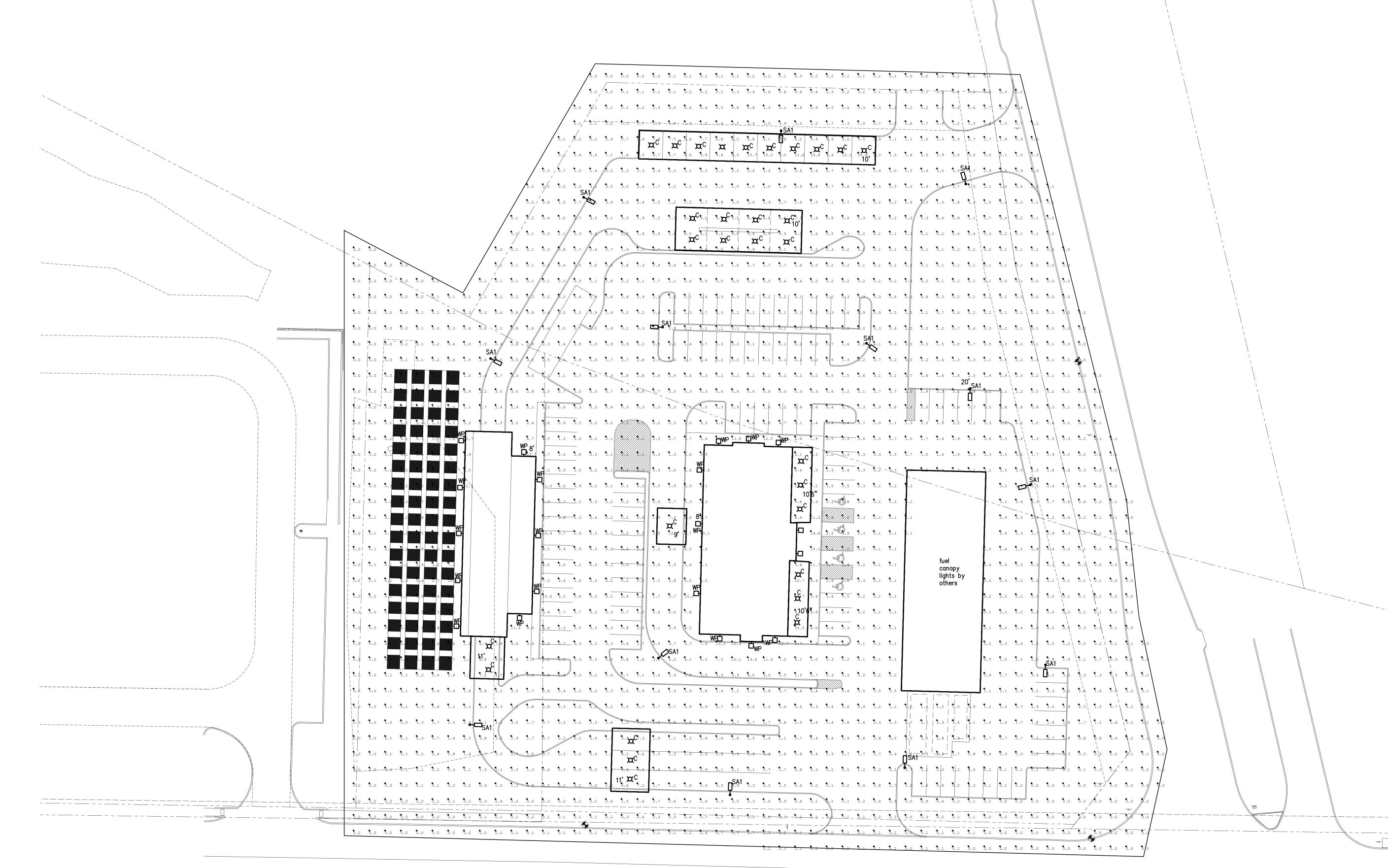
Kimley—Horn and Associates. Inc. Irving, Texas 75062 Contact: Jared Earney, P.E. Phone: 214-420-5600

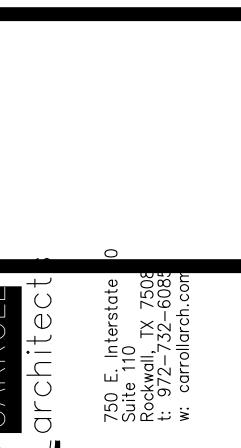
PRELIMINARY FOR REVIEW ONLY **Kimley** »Horn P.L.A. NIKOLAUS B. ADAMS L.A. No. 3404 Date 5/15/2025

SHEET NUMBER \_P 3.03

Luminaire Lumens	Luminaire Watts	Total Watts	Mounting Height
3363	25	750	9, 10, 10.5, 11
12479	86	1118	20
6073	43	903	8
		•	

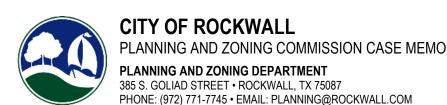






SITE PHOTOMETRIC PLAN

				DATE:		SHEET NO:	
	1		•	1	MAY 2025		
IFTE	Engir	es F. T neers,	L.P.	PROJECT NO:	2024074	EU.	.(
	8340 Mead	<b>ng Engine</b> ow Rd. Suit exas 75231 50-2900	e 160	DRAWN BY:	GL		
		Job ATION # <u>103</u> 4	#: <u>35920</u>	CHECKED BY:			
DRAWN/DESIGN	TJM	QC/APPD	TJM				



**TO:** Planning and Zoning Commission

**DATE:** July 15, 2025

**APPLICANT:** Jared Earney; *Kimley-Horn* 

CASE NUMBER: SP2025-021; Site Plan for Fuel City

# **SUMMARY**

Discuss and consider a request by Jared Earney of Kimley-Horn on behalf of Joseph Bickham of Fuel City for a <u>Site Plan</u> for a <u>Retail Store with Gasoline Sales</u> on a 4.34-acre tract of land identified as a portion of Tract 3 and all of Tract 4-06 of the N. Butler Survey, Abstract 20, City of Rockwall, Rockwall County, Texas, zoned Commercial (C) District, situated within the SH-205 By-Pass Overlay (SH-205 BY OV) District, generally located at the northwest corner of the intersection of Airport Road and John King Boulevard, and take any action necessary.

# **BACKGROUND**

The subject property was annexed by the City Council on April 28, 1986 by *Ordinance No. 86-30* [Case No. A1986-004]. At the time of annexation, the subject property was zoned Agricultural (AG) District. On July 2, 2012, the City Council approved a zoning change [Case No. Z2012-007] from Agricultural (AG) District to a Commercial (C) District for a portion of the subject property. On June 2, 2025, the City Council approved a zoning change [Case No. Z2025-021] from Agricultural (AG) District to Commercial (C) District for the remainder of the subject property. The subject property has remained vacant since annexation.

## **PURPOSE**

On May 16, 2025, the applicant -- *Jared Earney with Kimley-Horn* -- submitted an application requesting the approval of a site plan for a *Retail Store with Gasoline Sales* and a *Car Wash* on the subject property.

# ADJACENT LAND USES AND ACCESS

The subject property is generally located at the northwest corner of the intersection of Airport Road and John King Boulevard. The land uses adjacent to the subject property are as follows:

North:

Directly north of the subject property is the remainder of a vacant 31.393-acre tract of land (i.e. Tract 3 of the N. Butler Survey, Abstract No. 20) of which the subject property is currently a portion of. This property is zoned Agricultural (AG) District. Directly north of this tract of land are two (2) vacant tracts of land (i.e. a 7.133-acre tract of land identified as Tract 1-01 and a 1.607-acre tract of land identified as Tract 1-4 of the N. Butler Survey, Abstract No. 20) that are zoned Agricultural (AG) District.

South:

Directly south of the subject property is Airport Road, which is identified as a M4U (*i.e.* major collector, four [4] lane, undivided roadway) on the City's Master Thoroughfare Plan contained in the OURHometown Vision 2040 Comprehensive Plan. Beyond this thoroughfare is the City's Service Center, which is situated on a ten (10) acre parcel of land (*i.e.* Lot 1 of the Rockwall Service Center Addition) that is zoned Light Industrial (LI) District.

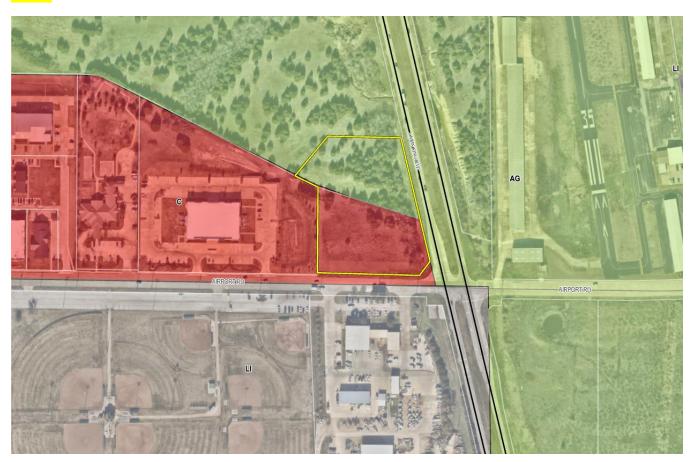
<u>East</u>:

Directly east of the subject property is John King Boulevard, which is identified as a P6D (*i.e. principal arterial, six [6] lane, divided roadway*) on the City's Master Thoroughfare Plan contained in the OURHometown Vision 2040 Comprehensive Plan. Beyond this is the remainder of a vacant 31.393-acre tract of land (*i.e. Tract 3 of the N. Butler Survey, Abstract No. 20*) of which the subject property is currently a portion of. This property is zoned Agricultural (AG) District.

West:

Directly west of the subject property is the remainder of a vacant 31.393-acre tract of land (*i.e. Tract 3 of the N. Butler Survey, Abstract No. 20*) of which the subject property is currently a portion of. Beyond this is a six (6) acre parcel of land (*i.e. Lot 1, Block A, Cornerstone Community Church Addition*) that is zoned Commercial (C) District. Currently situated on this parcel of land (*i.e. Lot 4, Block A, Columbia Park Addition*) that is zoned Commercial (C) District. Currently situated on this property is the Lakes Regional MHMR Center.

MAP 1: LOCATION MAP
YELLOW: SUBJECT PROPERTY



# **DENSITY AND DIMENSIONAL REQUIREMENTS**

According to Section 01, Land Use Schedule, of Article 04, Permissible Uses, of the Unified Development Code (UDC), a Retail Store with Gasoline Sales and a Car Wash are permitted by-right land uses in a Commercial (C) District. The submitted site plan, landscape plan, treescape plan, photometric plan, and building elevations generally conform to the technical requirements contained within the Unified Development Code (UDC) for a property located within the SH-205 By Pass Overlay District and a Commercial (C) District. A summary of the density and dimensional requirements for the subject property are as follows:

Ordinance Provisions	Zoning District Standards	Conformance to the Standards
Minimum Lot Area	10,000 SF	X=4.39-acres; In Conformance
Minimum Lot frontage	60-Feet	X>60-feet; In Conformance
Minimum Lot Depth	100-Feet	X~297-feet; In Conformance
Minimum Front Yard Setback	15-Feet	X>15-feet; In Conformance
Minimum Rear Yard Setback	10-Feet	X>10-feet; In Conformance
Minimum Side Yard Setback	10-Feet	X>10-feet; In Conformance
Maximum Building Height	60-Feet	X~35.60-feet; In Conformance
Max Building/Lot Coverage	60%	X<60%; In Conformance

Ordinance Provisions	Zoning District Standards	Conformance to the Standards
Minimum Masonry Requirement	90%	X >90%; In Conformance
Minimum Number of Parking Spaces	1/250 SF = 46 spaces	X=66; In Conformance
Minimum Stone Requirement	20%	X=20%; In Conformance
Minimum Landscaping Percentage	20%	X=35%; In Conformance
Maximum Impervious Coverage	85-90%	X=65%; In Conformance

# TREESCAPE PLAN

The *Treescape Plan* provided by the applicant indicates that 228.20 caliper inches are to be removed from the site during construction. To satisfy this mitigation balance, the applicant is proposing to plant 66, four (4) inch caliper canopy trees totaling 264 caliper inches (*i.e.* 66 trees x four (4) caliper inches = 264 caliper inches). Based on this, the mitigation balance will be satisfied by the proposed landscaping.

# **CONFORMANCE WITH THE CITY'S CODES**

According to Subsection 02.02(F)(31), of Article 13, *Definitions*, of the Unified Development Code (UDC) *a Retail Store with Gasoline Sales* is defined as "(a)n establishment that engages in the sale of fuel, lubricants, and/or accessories for motor vehicles, and that may have ancillary retail sales of convenience goods. A dispenser in a *Retail Store with Gasoline Sales* is assumed to serve two (2) standard motor vehicles." In this case the applicant is requesting a *Retail Store with Gasoline Sales* that has more than Two (2) Dispensers, which conforms to the land use listed in Section 01, *Land Use Schedule*, of Article 04, *Permissible Uses*, of the Unified Development Code (UDC). In addition, the applicant is proposing a *Car Wash* as an accessory use. According to Subsection 02.02(H)(5), of Article 13, *Definitions*, of the Unified Development Code (UDC) a *Car Wash* is defined as "(a) facility or area for the cleaning or steam cleaning, washing, polishing, or waxing of passenger vehicles by machine or hand-operated facilities. A car wash may be [1] a single unit type that has a single bay or a group of single bays with each bay to accommodate one vehicle only; or [2] a tunnel type that allows washing of multiple vehicles in a tandem arrangement while moving through the structure."

According to Subsection 05.02(B), Landscape Screening, of Article 08, Landscape and Fence Standards, of the Unified Development Code (UDC), "(a)ny non-residential or multi-family land use or parking area that has a side or rear contiguous to any residentially zoned or used property shall be screened with a masonry fence a minimum of six (6) feet in height with canopy trees planted on 20-foot centers..."; however, the Planning and Zoning Commission may approve an "...alternative screening method that incorporates a wrought iron fence and three (3) tiered screening..." In this case, the applicant is requesting to utilize three (3) tiered landscaping (i.e. a row of canopy trees, a row of accent trees, and a row of shrubs) for the residential adjacency screening required along the north property line. This item shall be at the discretion of the Planning and Zoning Commission and shall be considered as a part of this site plan request. In review of the parking standards, a Retail Store with Gasoline Sales and a Car Wash are required one (1) parking space per 250 SF. Given this, the applicant is required to provide 46 parking spaces (i.e. 11,287 SF / 250 SF = 46 parking space). Based on the site plan provided by the applicant, the proposed business will have 66 parking spaces, or 20 parking spaces more than the Unified Development Code (UDC) requires.

The proposed site plan generally conforms to the standards of the *General Overlay District Standards* and the *General Commercial District Standards* as stipulated by Article 05, *District Development Standards*, of the Unified Development Code (UDC), with the exception of the variances being requested as outlined in the *Variances and Exceptions Requested by the Applicant* section of this case memo.

# **VARIANCES AND EXCEPTIONS BY THE APPLICANT**

As previously stated, the applicant's request appears to generally conform to the requirements of the Unified Development Code (UDC); however, staff has identified the following variance and exception associated with the applicant's request:

## (1) Architectural Standards.

(a) <u>Primary Articulation</u>. According to Subsection 06.02(C), General Overlay District Standards, of Article 05, District Development Standards, of the Unified Development Code (UDC), within an Overlay District each building façade

must meet the primary articulation standards. In this case, the proposed buildings do not meet the primary articulation standards. This will require a *variance* from the Planning and Zoning Commission.

- (b) Four (4) Sided Architecture. According to Subsection 06.02(C), General Overlay District Standards, of Article 05, District Development Standards, of the Unified Development Code (UDC), "(a)II buildings shall be architecturally finished on all four (4) sides utilizing the same materials, detailing, articulation and features." In this case, the proposed car wash building does not utilize the same architectural detailing on each side. This will require a variance from the Planning and Zoning Commission.
- (c) <u>Cementitious Materials</u>. According to Subsection 06.02(C), <u>General Overlay District Standards</u>, of Article 05, <u>District Development Standards</u>, of the Unified Development Code (UDC), cementitious materials are defined as stucco and cementitious lap siding. In this case, the applicant is proposing nichiha. This will require a <u>variance</u> from the Planning and Zoning Commission.
- (d) <u>Cementitious Materials</u>. According to Subsection 06.02(C), <u>General Overlay District Standards</u>, of Article 05, <u>District Development Standards</u>, of the Unified Development Code (UDC), cementitious materials "...shall not be used within the first four (4) feet from grade on a building's façade." In this case, the applicant is proposing cementitious material within the first (4) feet. This will require a *variance* from the Planning and Zoning Commission.
- (2) <u>Dumpster Orientation.</u> According to Subsection 01.05(B), *Screening Standards*, of Article 05, *District Development Standards*, of the Unified Development Code (UDC), dumpster enclosures "...shall not front on to a public right-of-way." In this case, the proposed dumpster enclosure faces onto N. John King Boulevard. This will require an <u>exception</u> from the Planning and Zoning Commission.
- (3) <u>Driveway Spacing</u>. According to Figure 2.4, <u>Minimum Driveway Spacing and Corner Clearance</u>, of Chapter 2, <u>Streets</u>, of the Engineering Standards of Design and Construction, the first driveway off of N. John King Boulevard shall be 200-feet from the intersection. In this case, the applicant is proposing a driveway along Airport Road that is approximately 180-feet from N. John King Boulevard. This will require a <u>variance</u> from the Planning and Zoning Commission.

According to Subsection 09, Exceptions and Variances, of Article 11, Development Applications and Review Procedures, of the Unified Development Code (UDC), "...an applicant may request the Planning and Zoning Commission grant variances and exceptions to the provisions contained in the Unified Development Code (UDC), where unique or extraordinary conditions exist or where strict adherence to the technical requirements of the Unified Development Code (UDC) would create an undue hardship." In addition, the code requires that the applicant provide compensatory measures that directly offset the requested variances and exceptions. In this case, the applicant is providing an enhanced pedestrian feature along N. John King Boulevard. The proposed enhanced pedestrian feature will incorporate a seat wall, decorative concrete, and landscaping. Staff should note that this compensatory item fulfils a Comprehensive Plan objective by providing a rest stop along the N. John King Boulevard hike/bike trail, and should be given additional consideration as it ties into the City's greater trail plan. Requests for exceptions and variances to the Unified Development Code (UDC) are discretionary decisions for the Planning and Zoning Commission, that require a supermajority vote (e.g. six [6] out of the seven [7] commissioners) -- with a minimum of four (4) votes in the affirmative -- for the approval of a variance or exception.

# CONFORMANCE WITH OURHOMETOWN VISION 2040 COMPREHENSIVE PLAN

According to the Land Use Plan contained in the OURHometown Vision 2040 Comprehensive Plan, the subject property is located within the <u>Central District</u> and is designated for <u>Commercial/Retail</u> land uses on the Future Land Use Plan. The <u>Central District Strategies</u> detail that the <u>Commercial/Retail Centers</u> are intended "...to support existing and proposed residential developments, and should be compatible in scale with adjacent residential structures." In this case, the proposed <u>Retail Store with Gasoline Sales</u> and <u>Carwash</u> will directly serve the adjacent residential subdivisions within the <u>Central District</u> and beyond. Based on this, the proposed <u>Retail Store with Gasoline Sales</u> and <u>Car Wash</u> appear to be in conformance with the <u>District Strategies</u> outlined for the <u>Central District</u> within the OURHometown Vision 2040 Comprehensive Plan.

In addition, the proposed changes to the subject property help further the following goals and objectives contained in the OURHometown Vision 2040 Comprehensive Plan:

- (1) CH. 07 | Goal 07: Use street enhancements along key thoroughfares to reinforce community character, and provide a more appealing pedestrian experience.
- (2) CH. 09 | Goal 02: All non-residential developments should create distinctive destinations that further a sense of place by ... [Policy 06] incorporating pedestrian elements at regular intervals to ensure that developments are created to a pedestrian scale.
- (3) John King Boulevard Trail Plan: A ten (10) foot hike/bike trail shall be provided along John King Boulevard. In addition, rest areas should be provided "about every half mile" in order to provide increased pedestrian and bicyclist amenity.

# ARCHITECTURAL REVIEW BOARD (ARB) RECOMMENDATION

On May 27, 2025, the Architectural Review Board (ARB) reviewed the applicant's proposed building elevations. The ARB recommended that the applicant adjust the building elevations to meet the *General Overlay District Standards* outlined within the Unified Development Code (UDC). The applicant has provided revised building elevations that will be reviewed by the Architectural Review Board (ARB) at the <u>July 15, 2025</u> Planning and Zoning Commission meeting.

## **CONDITIONS OF APPROVAL**

If the Planning and Zoning Commission chooses to approve the applicant's <u>Site Plan</u> for a Retail Store with Gasoline Sales and a Car Wash on the subject property, then staff would propose the following conditions of approval:

- (1) All staff comments provided by the Planning, Engineering and Fire Department must be addressed prior to the submittal of engineering plans.
- (2) Any construction resulting from the approval of this <u>Site Plan</u> shall conform to the requirements set forth by the Unified Development Code (UDC), the International Building Code (IBC), the Rockwall Municipal Code of Ordinances, city adopted engineering and fire codes and with all other applicable regulatory requirements administered and/or enforced by the state and federal government.



NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS

# **DEVELOPMENT APPLICATION**

City of Rockwall Planning and Zoning Department 385 S. Goliad Street Rockwall. Texas 75087

5	TA	FF	USE	ONLY	•

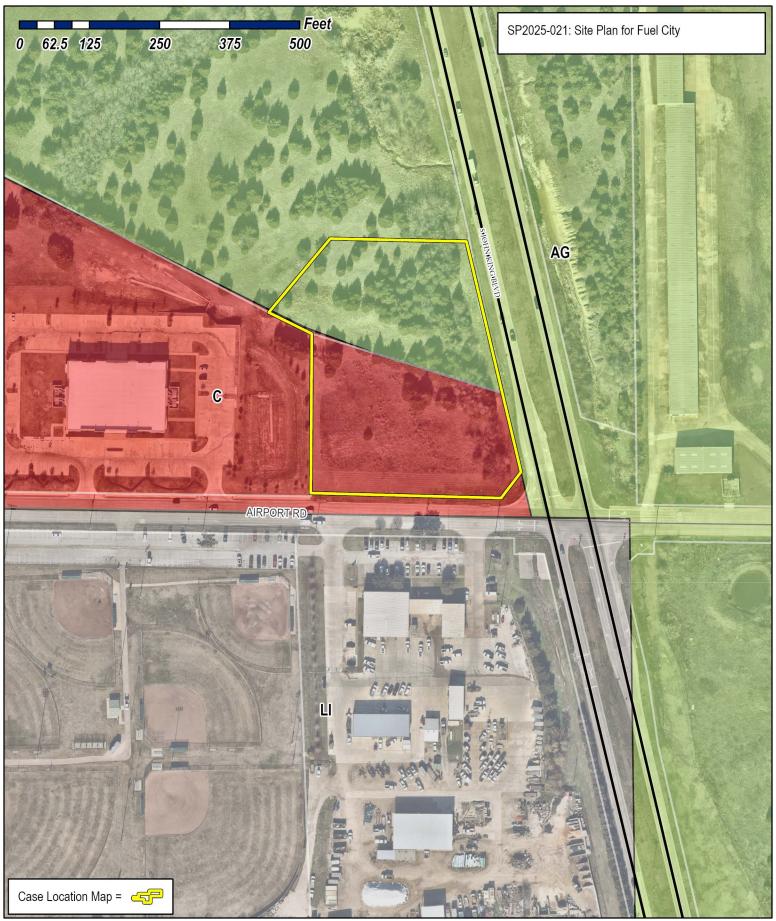
PLANNING & ZONING CASE NO.

<u>NOTE:</u> THE APPLICATION IS NOT CONSIDERED ACCEPTED BY THE CITY UNTIL THE PLANNING DIRECTOR AND CITY ENGINEER HAVE SIGNED BELOW.

Notary TD 134596025

DIRECTOR OF PLANNING:

	rookwan, roxae roocr	CITY	ENGINEEK:	
PLEASE CHECK THE A	APPROPRIATE BOX BELOW TO INDICATE THE	TYPE OF DEVELOPMENT REG	QUEST [SELECT ONLY ON	IE BOXJ:
☐ PRELIMINARY F ☐ FINAL PLAT (\$30 ☐ REPLAT (\$300.0 ☐ AMENDING OR ☐ PLAT REINSTAT  SITE PLAN APPLIC ☑ SITE PLAN (\$250	\$100.00 + \$15.00 ACRE) 1 PLAT (\$200.00 + \$15.00 ACRE) 1 00.00 + \$20.00 ACRE) 1 0 + \$20.00 ACRE) 1 MINOR PLAT (\$150.00) TEMENT REQUEST (\$100.00)	☐ SPECIFIC US ☐ PD DEVELOF  OTHER APPLIC. ☐ TREE REMO' ☐ VARIANCE R  NOTES: 1: IN DETERMINING TI PER ACRE AMOUNT. 2: A \$1,000.00 FEE N	NGE (\$200.00 + \$15.00 AC SE PERMIT (\$200.00 + \$15 PMENT PLANS (\$200.00 + ATION FEES: VAL (\$75.00) EQUEST/SPECIAL EXCEF HE FEE, PLEASE USE THE EXACT FOR REQUESTS ON LESS THAN O WILL BE ADDED TO THE APPLIC	.00 ACRE) 1 8 2 \$15.00 ACRE) 1
PROPERTY INFO	RMATION [PLEASE PRINT]			
ADDRESS				
SUBDIVISION	A0020 N Butler, Tract 4-06		LOT	BLOCK
GENERAL LOCATION	Northwest of John Kind Blvd	and Airport Rd		
ZONING, SITE PL	AN AND PLATTING INFORMATION	[PLEASE PRINT]		
CURRENT ZONING	Commercial District (C)	CURRENT USE	N/A	
PROPOSED ZONING	Commercial District (C)	PROPOSED USE	Gas Station/	Car Wash
ACREAGE	4.34 acres	JRRENT]	LOTS [PROP	OSED]
REGARD TO ITS	D. PLATS: BY CHECKING THIS BOX YOU ACKNOW! APPROVAL PROCESS, AND FAILURE TO ADDRESS BENIAL OF YOUR CASE.	EDGE THAT DUE TO THE PASS ANY OF STAFF'S COMMENTS BY	SAGE OF <u>HB3167</u> THE CITY / THE DATE PROVIDED ON	NO LONGER HAS FLEXIBILITY WITH THE DEVELOPMENT CALENDAR WILL
OWNER/APPLIC	ANT/AGENT INFORMATION [PLEASE I	PRINT/CHECK THE PRIMARY CON	ITACT/ORIGINAL SIGNATUR	ES ARE REQUIRED]
☐ OWNER	Fuel City	☐ APPLICANT	Kimley-Horn	
CONTACT PERSON	Joseph Bickham	CONTACT PERSON	Jared Earney	
ADDRESS		ADDRESS	225 E. John W. C	arpenter FWY, Ste 1100
CITY, STATE & ZIP		CITY, STATE & ZIP	Irving, TX 75062	
PHONE	469-203-0159	PHONE	817-900-8528	
E-MAIL	jbickham@fuelcity.com	E-MAIL	jared.earney@l	kimley-horn.com
BEFORE ME THE UNDER	CATION [REQUIRED] RSIGNED AUTHORITY, ON THIS DAY PERSONALLY A ION ON THIS APPLICATION TO BE TRUE AND CERTI	APPEARED 105 (Ph	Bickheun 10	DWNER] THE UNDERSIGNED, WHO
S 350 SE	I AM THE OWNER FOR THE PURPOSE OF THIS APPLIC TO COVER THE COST OF THIS APPLICATION 2015 BY SIGNING THIS APPLICATION D WITHIN THIS APPLICATION TO THE PUBLIC. THIS	ATION, HAS BEEN PAID TO THE CIT ON, I AGREE THAT THE CITY OF RO E CITY IS ALSO AUTHORIZED AN	'Y OF ROCKWALL ON THIS THE OCKWALL (I.E. "CITY") IS AUTH D PERMITTED TO REPRODU	EDAY OF HORIZED AND PERMITTED TO PROVIDE ICE ANY COPYRIGHTED INFORMATION
GIVEN UNDER MY HAND	AND SEAL OF OFFICE ON THIS THE 15 DAY OF	- May , 202	S NA PUB	GLORIA AGUIRRE S Notary Public, State of Texas
	OWNED'S SIGNATURE			25 Comm. Expires 10-09-2027



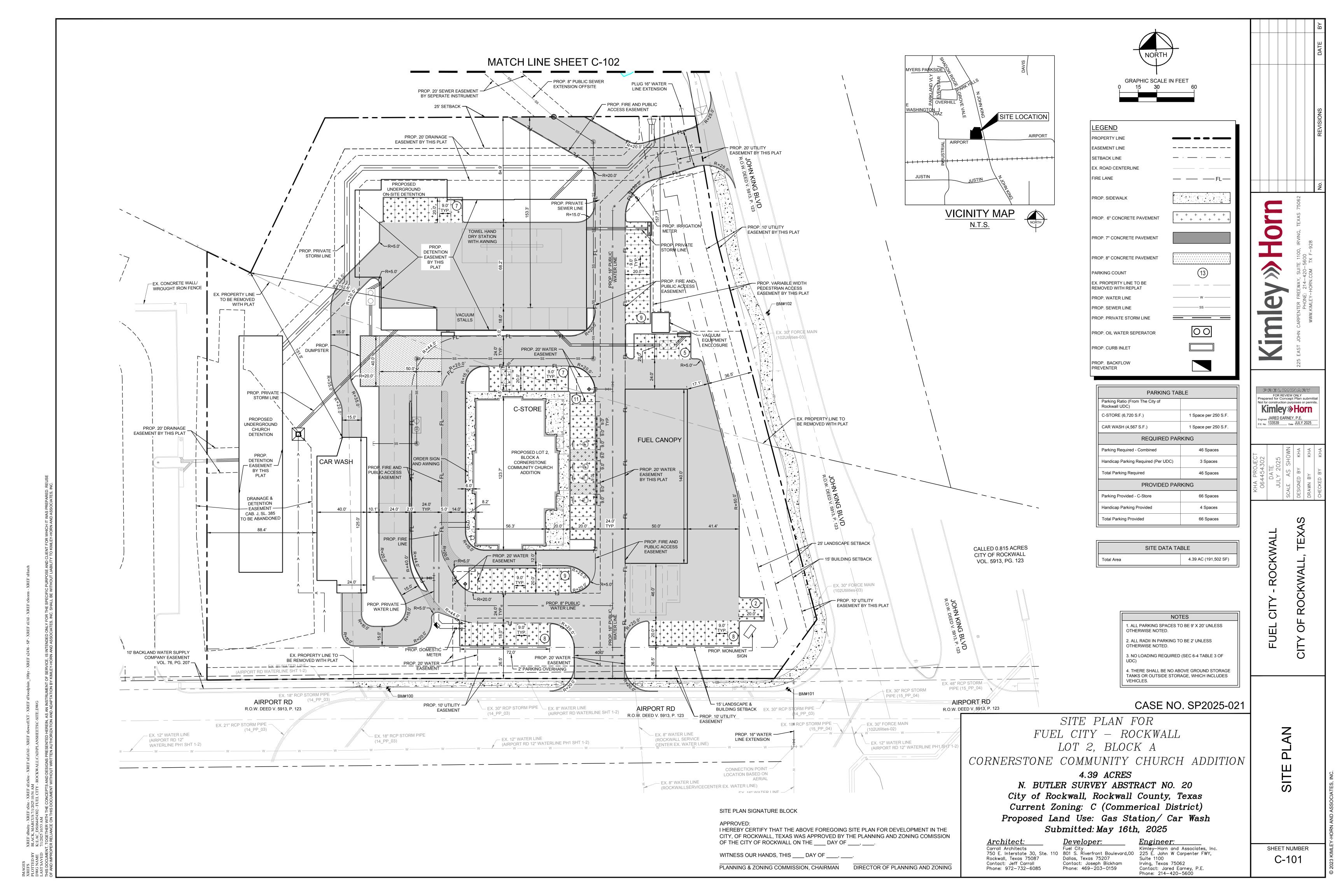


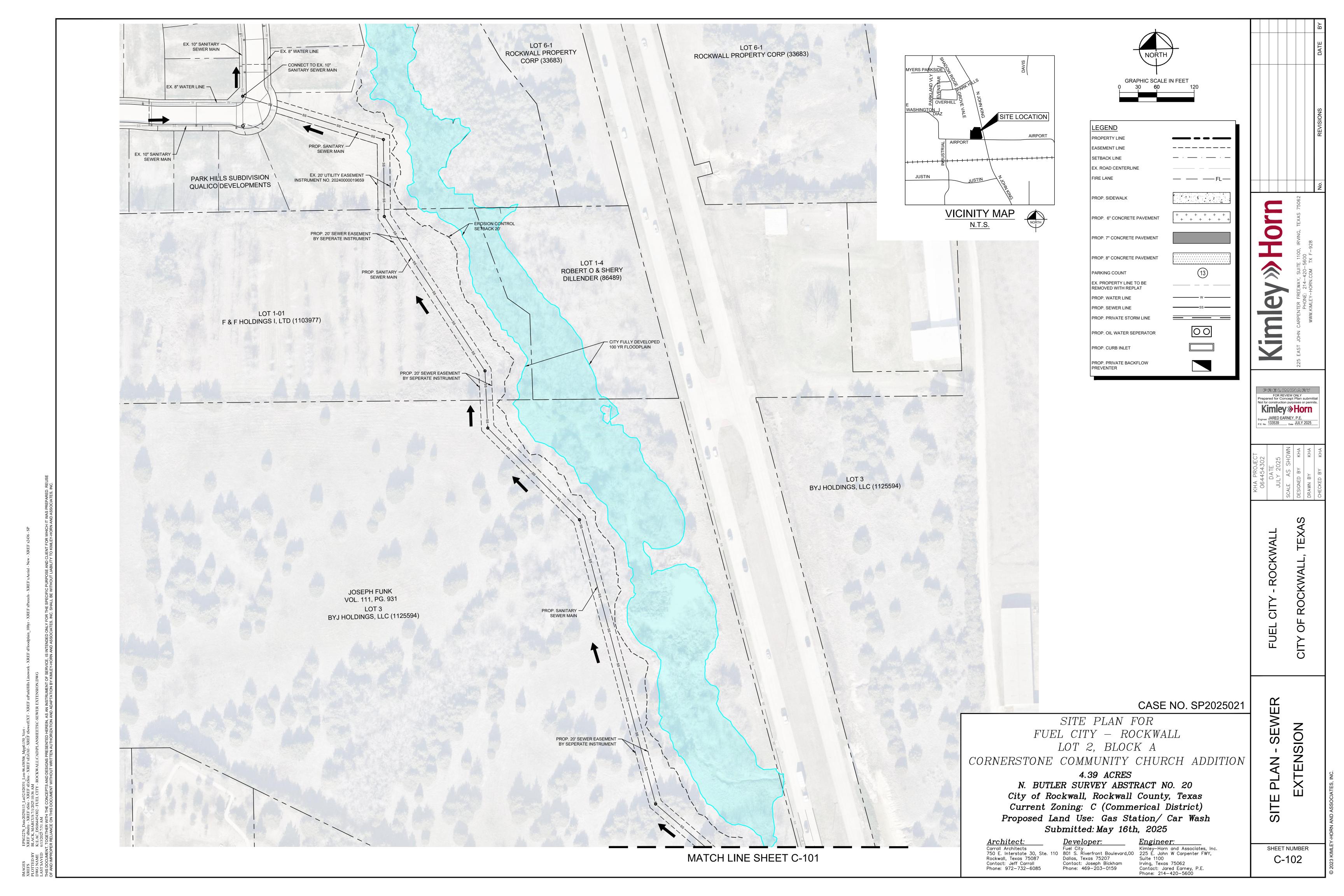
# City of Rockwall Planning & Zoning Department 385 S. Goliad Street Rockwall, Texas 75087

(P): (972) 771-7745 (W): www.rockwall.com

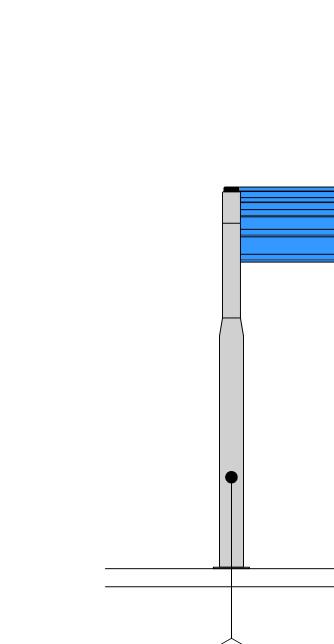
The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.



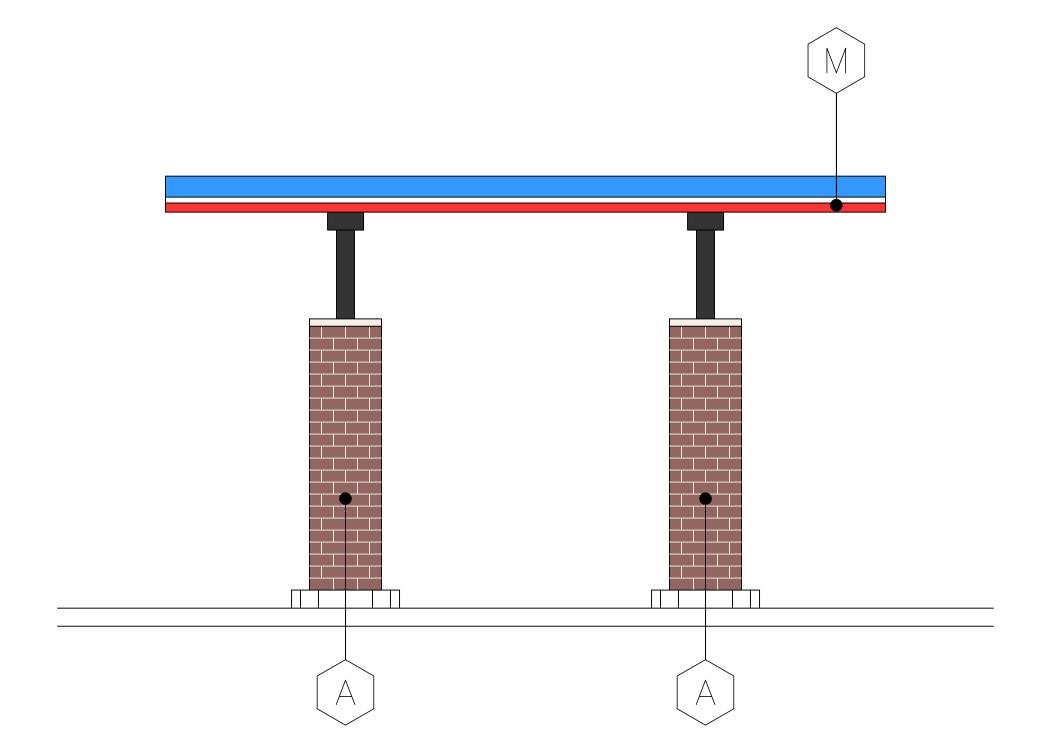




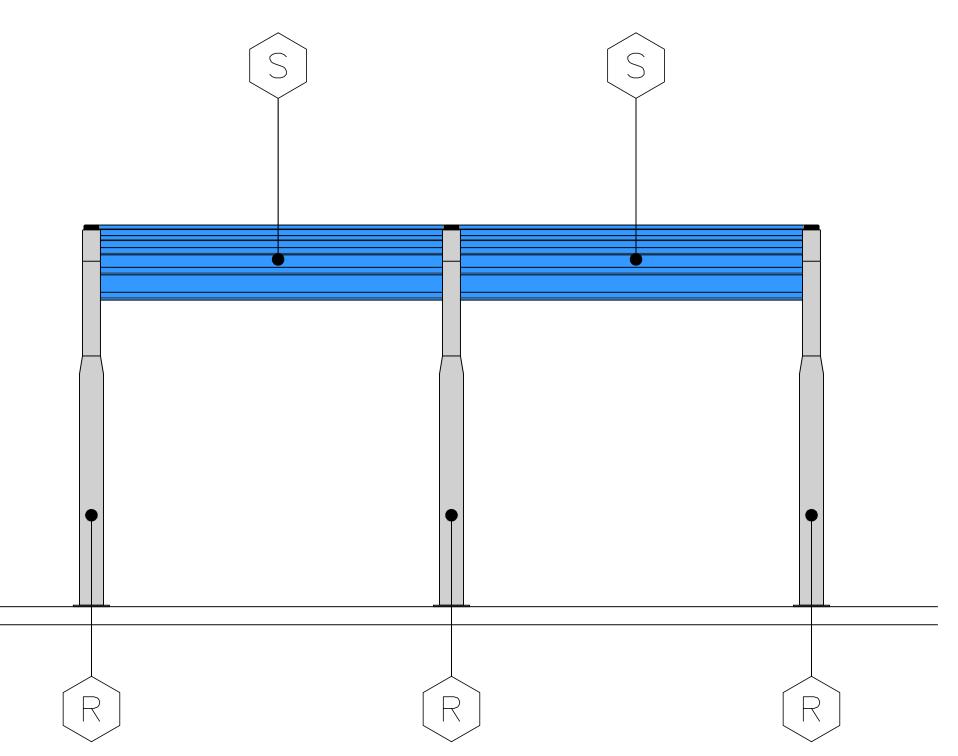
ENTRY CANOPY SIDE ELEVATION - (TYPICAL) SCALE: 3/8" = 1'-0"



CHECK-IN CANOPY FRONT ELEVATION - (TYPICAL)



ENTRY CANOPY FRONT ELEVATION - (TYPICAL) 3 SCALE: 3/8" = 1'-0"



EXTERIOR FINISH SCHEDULE

- (A) BRICK VENEER: ACME, COLOR BOURBON STREET
- B BURNISHED FACE CMU RUNNING BOND: FEATHERLITE, CUT STONE 8" x 16" SIZE 8" TALL, COLOR LIMESTONE
- B2 NATURAL STONE
- BURNISHED FACE CMU STRAIGHT STACKED: FEATHERLITE, CUT STONE 8" x 16" SIZE 8" TALL, COLOR LIMESTONE
- (E1) COMPOSITE SIDING: NICHIHA, COLOR CEDAR

(D) STONE CAP: FEATHERLITE, COLOR - LIMESTONE

- COMPOSITE SIDING: NICHIHA ILLUMINATION, COLOR CUSTOM BLUE
- F PREFINISHED METAL COPING COLOR SILVER
- (G) STOREFRONT WINDOW FRAMES, COLOR BLACK
- H GLAZING: DOUBLE PANE INSULATED, LOW E GLASS W/ WINDOW TINTED @ 10% GREY
- STOREFRONT ENTRY DOOR SYSTEM: ALUM. COLOR BLACK
- K METAL RAILING, COLOR BLACK
- AWNINGS: PREFINISHED STANDING SEAM MTL. AWNINGS PANELS COLOR MED. GREY

CITY OF ROCKWALL CASE NUMBER: SP-2025-021

FUEL CITY — ROCKWALL

LEGAL DESCRIPTION AND OR ADDRESS:

LOT 2, BLOCK A CORNERSTONE COMMUNITY CHURCH ADDITION 490 S. JOHN KING BLVD, ROCKWALL TX, 75087

I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall

Fuel City
801. S Riverfront Boulevard, 00
Dallas, TX 75207
P: 469-203-0159
E: jbickham@fuelcity.com
ATTN: Joseph Bickham

ATTN: Jared Éarney

SITE PLAN SIGNATURE BLOCK

APPLICANT

Kimley-Horn and Associates, Inc.
225 E. John W Carpenter FWY, Suite 1100

Irving, TX 75062
P: 214-420-5600
E: jared.earney@kimley-horn.com

on the\_\_\_\_\_day of\_\_\_\_\_,

Planning & Zoning Commission, Chairman

WITNESS OUR HANDS, this\_\_\_\_\_

Director of Planning and Zoning

- (M) METAL CANOPY
- (N) STEEL COLUMN, COLOR BLACK
- (P) DECOR WALL PACKS BLACK
- Q ACCENT LIGHT FIXTURE BLACK
- R STEEL SILVER
- S FABRIC BLUE

Blvd 5087 John

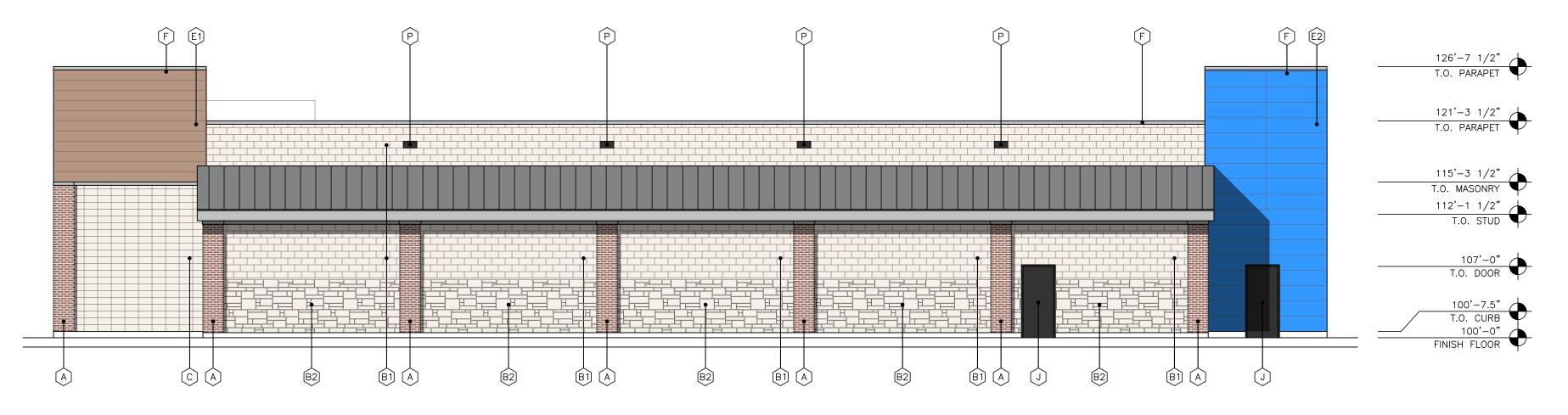
CARWASH CANOPY **ELEVATIONS** 

JUNE 2025

PROJECT NO:

CHECKED BY:

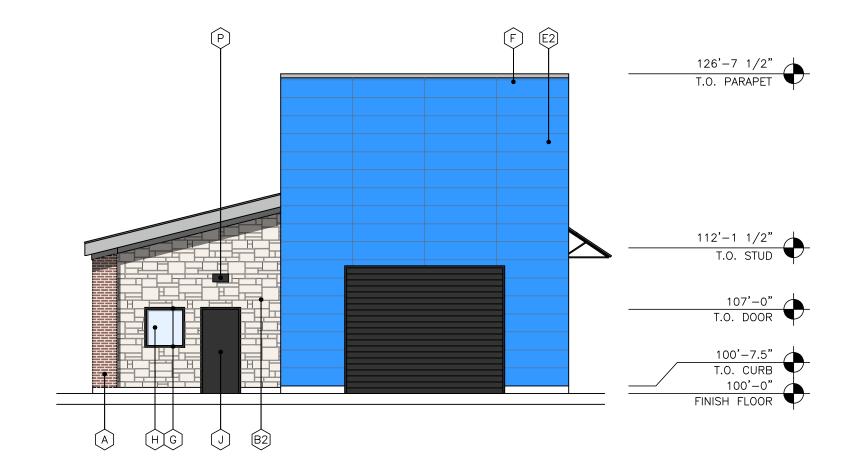
CHECK-IN CANOPY SIDE ELEVATION - (TYPICAL)



BURNISHED CMU - 1,124.8 S.F. - 49.4% - 487.2 S.F. - 21.6% STONE - 130.7 S.F. - 5.7% (MASONRY) - COMPOSITE SIDING - 433.0 S.F. - 23.3%

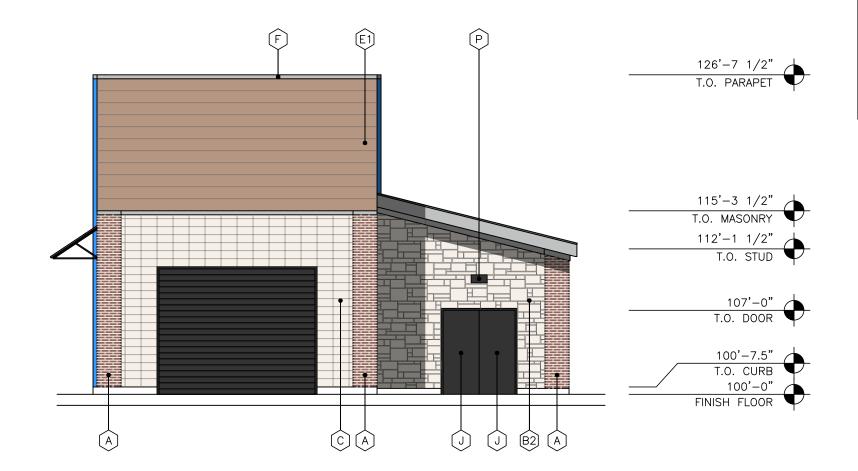
- 2,265.7 S.F. - 100%

**BACK ELEVATION - WEST** SCALE: 1/8" = 1'-0"



BURNISHED CMU - 0.0 S.F. - 0.0% STONE - 141.3 S.F. - 21.6% - 21.8 S.F. - 3.5% **BRICK** SCALE: 1/8" = 1'-0" (MASONRY) - COMPOSITE SIDING - 490.7 S.F. - 74.9% - 653.8 S.F. - 100% **TOTAL** 

LEFT SIDE ELEVATION - SOUTH

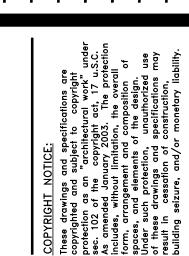


BURNISHED CMU - 143.8 S.F. - 23.3% STONE - 137.3 S.F. - 22.2% BRICK - 79.2 S.F. - 12.8% COMPOSITE SIDING - 256.7 S.F. - 41.7% - 617.0 S.F. - 100%

**RIGHT SIDE ELEVATION - NORTH** SCALE: 1/8" = 1'-0"

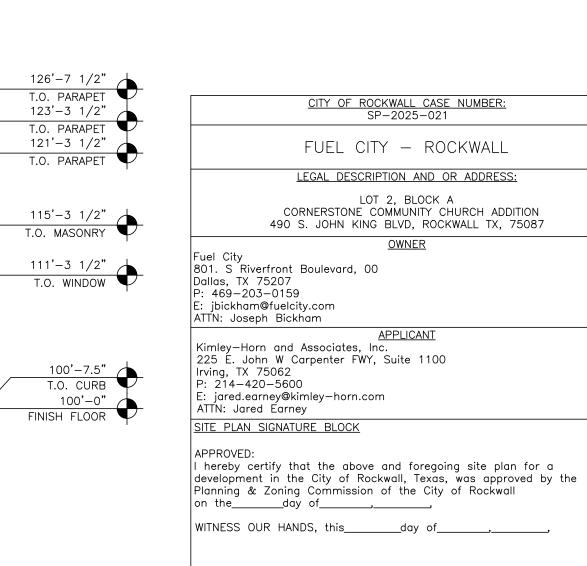
# EXTERIOR FINISH SCHEDULE

- A BRICK VENEER: ACME, COLOR BOURBON STREET
- BURNISHED FACE CMU RUNNING BOND: FEATHERLITE, CUT STONE 8" x 16" SIZE 8" TALL, COLOR LIMESTONE
- (B2) NATURAL STONE
- BURNISHED FACE CMU STRAIGHT STACKED: FEATHERLITE, CUT STONE 8" x 16" SIZE 8" TALL, COLOR LIMESTONE
- D STONE CAP: FEATHERLITE, COLOR LIMESTONE
- (E1) COMPOSITE SIDING: NICHIHA, COLOR CEDAR
- COMPOSITE SIDING: NICHIHA ILLUMINATION, COLOR CUSTOM BLUE
- F PREFINISHED METAL COPING COLOR SILVER
- G STOREFRONT WINDOW FRAMES, COLOR BLACK
- H GLAZING: DOUBLE PANE INSULATED, LOW E GLASS W/ WINDOW TINTED @ 10% GREY
- STOREFRONT ENTRY DOOR SYSTEM: ALUM. COLOR BLACK
- (K) METAL RAILING, COLOR BLACK
- AWNINGS: PREFINISHED STANDING SEAM MTL. AWNINGS PANELS COLOR MED. GREY
- (M) METAL CANOPY
- N STEEL COLUMN, COLOR BLACK
- P DECOR WALL PACKS BLACK
- Q ACCENT LIGHT FIXTURE BLACK



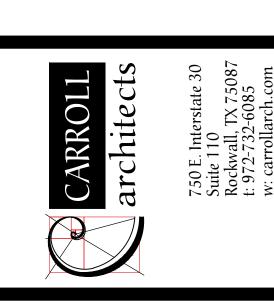
John King Blvd all, Texas 75087 NEW FACILITY FOR FUEL CITY 490 S. Jol Rockwall,





Planning & Zoning Commission, Chairman

Director of Planning and Zoning

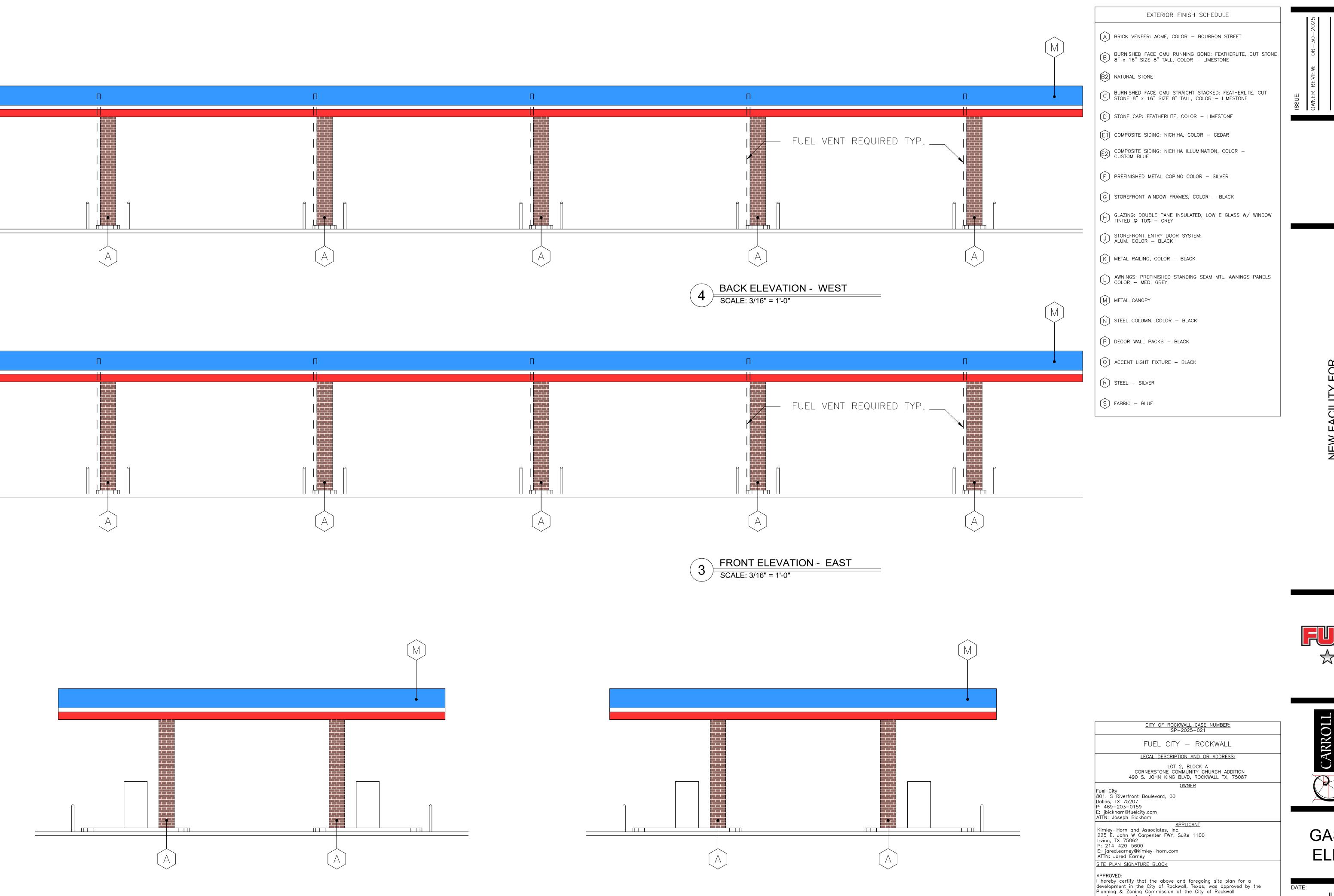


**EXTERIOR ELEVATIONS** 

SHEET NO: **JUNE 2025** PROJECT NO: DRAWN BY: CHECKED BY:

BURNISHED CMU - 1,215.3 S.F. - 53.0% - 487.8 S.F. - 21.2% - 154.6 S.F. - 6.7% (MASONRY) - COMPOSITE SIDING - 433.0 S.F. - 19.1% TOTAL - 2,290.7 S.F. - 100%

FRONT ELEVATION - EAST SCALE: 1/8" = 1'-0"



Blvd 5087 John King l all. Texas 7

**GAS CANOPY ELEVATIONS** 

JUNE 2025

on the\_\_\_\_day of\_\_\_\_\_,

Planning & Zoning Commission, Chairman

WITNESS OUR HANDS, this\_\_\_\_\_

Director of Planning and Zoning

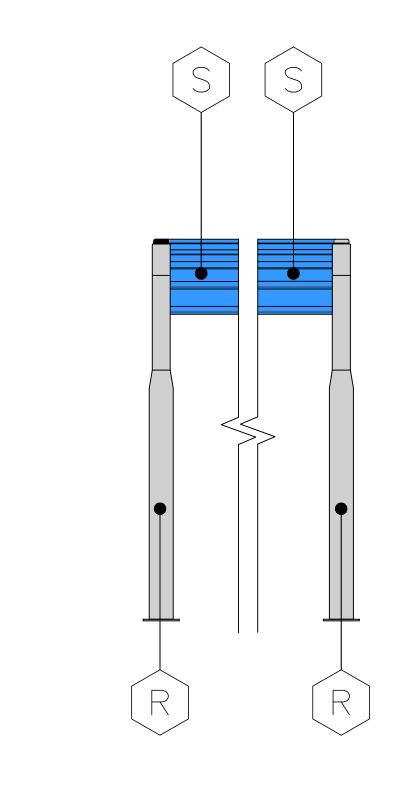
PROJECT NO:

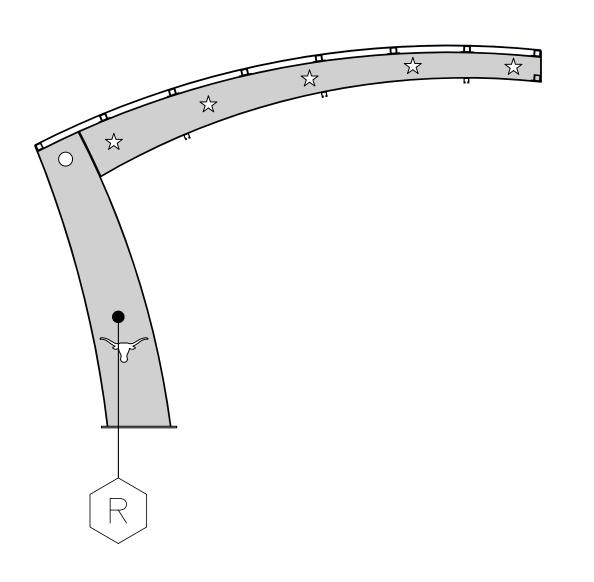
CHECKED BY:

RIGHT SIDE ELEVATION - SOUTH SCALE: 3/16" = 1'-0"

RIGHT SIDE ELEVATION - NORTH

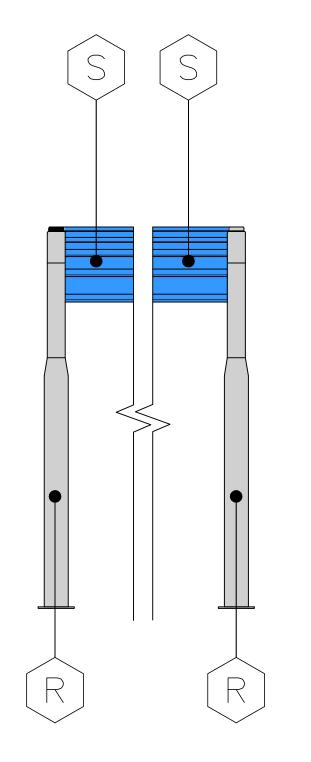
SCALE: 3/16" = 1'-0"





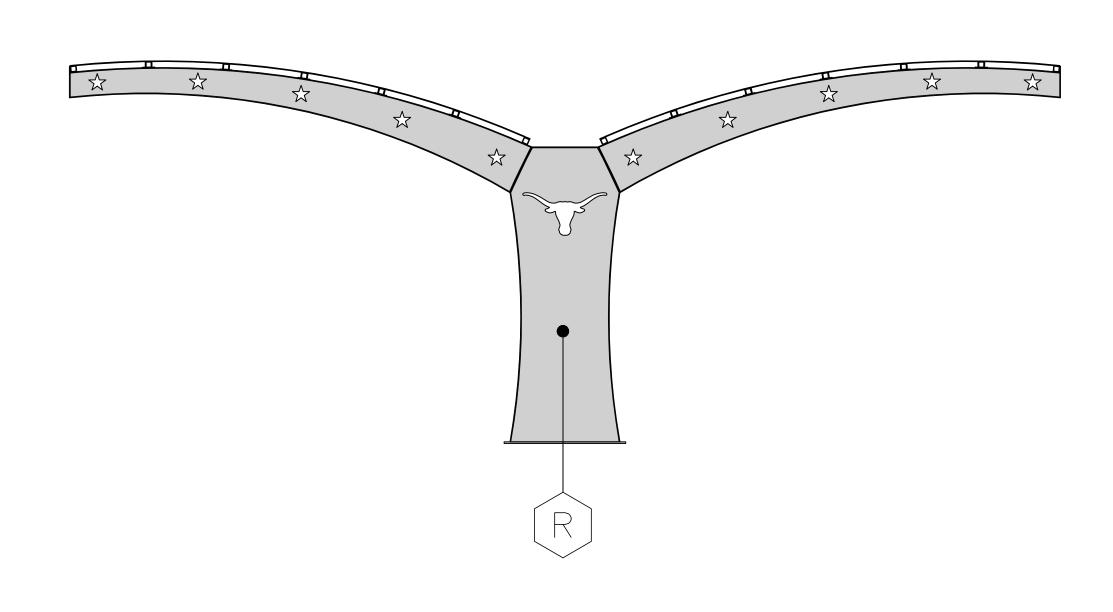
3 FRONT ELEVATION - (TYPICAL SINGLE)

SCALE: 3/8" = 1'-0"



SIDE ELEVATION - (TYPICAL SINGLE)

SCALE: 3/8" = 1'-0"



SIDE ELEVATION - (TYPICAL DOUBLE)

SCALE: 3/8" = 1'-0"

1 FRONT ELEVATION - (TYPICAL DOUBLE)

SCALE: 3/8" = 1'-0"

EXTERIOR FINISH SCHEDULE

- A BRICK VENEER: ACME, COLOR BOURBON STREET
- B BURNISHED FACE CMU RUNNING BOND: FEATHERLITE, CUT STONE 8" x 16" SIZE 8" TALL, COLOR LIMESTONE
- B2 NATURAL STONE
- BURNISHED FACE CMU STRAIGHT STACKED: FEATHERLITE, CUT STONE 8" x 16" SIZE 8" TALL, COLOR LIMESTONE
- D STONE CAP: FEATHERLITE, COLOR LIMESTONE
- (E1) COMPOSITE SIDING: NICHIHA, COLOR CEDAR
- © COMPOSITE SIDING: NICHIHA ILLUMINATION, COLOR CUSTOM BLUE
- F PREFINISHED METAL COPING COLOR SILVER
- G STOREFRONT WINDOW FRAMES, COLOR BLACK
- H GLAZING: DOUBLE PANE INSULATED, LOW E GLASS W/ WINDOW TINTED @ 10% GREY
- STOREFRONT ENTRY DOOR SYSTEM: ALUM. COLOR BLACK
- K METAL RAILING, COLOR BLACK
- AWNINGS: PREFINISHED STANDING SEAM MTL. AWNINGS PANELS COLOR MED. GREY
- M METAL CANOPY
- N STEEL COLUMN, COLOR BLACK
- P DECOR WALL PACKS BLACK
- Q ACCENT LIGHT FIXTURE BLACK
- R STEEL SILVER
- S FABRIC BLUE

ISSUE:

OWNER REVIEW: 06-30-20

PUEL CITY
90 S. John King Blvd
ockwall, Texas 75087



CITY OF ROCKWALL CASE NUMBER: SP-2025-021
FUEL CITY — ROCKWALL
LEGAL DESCRIPTION AND OR ADDRESS:
LOT 2, BLOCK A CORNERSTONE COMMUNITY CHURCH ADDITION 490 S. JOHN KING BLVD, ROCKWALL TX, 75087
OWNER  el City  11. S Riverfront Boulevard, 00  Illas, TX 75207  469-203-0159  jbickham@fuelcity.com  TN: Joseph Bickham
APPLICANT mley—Horn and Associates, Inc. 25 E. John W Carpenter FWY, Suite 1100 ving, TX 75062 214—420—5600 jared.earney@kimley—horn.com TN: Jared Earney
TE PLAN SIGNATURE BLOCK
PPROVED: nereby certify that the above and foregoing site plan for a velopment in the City of Rockwall, Texas, was approved by the anning & Zoning Commission of the City of Rockwall theday of,,

Planning & Zoning Commission, Chairman

Director of Planning and Zoning

VACUUM ELEVATIONS

DATE: SHEET NO:

JUNE 2025

PROJECT NO:

2024074

DRAWN BY:

GL

A501



BURNISHED CMU STONE **BRICK** 

- BACK OF PARAPET TO MATCH FINISH MATERIAL

- 1,382.5 S.F. - 38.5% - 602.3 S.F. - 410.4 S.F. (MASONRY) - COMPOSITE SIDING - 949.1 S.F. - 28.4%

- 20.8% - 12.3% - 3,344.3 S.F. - 100%

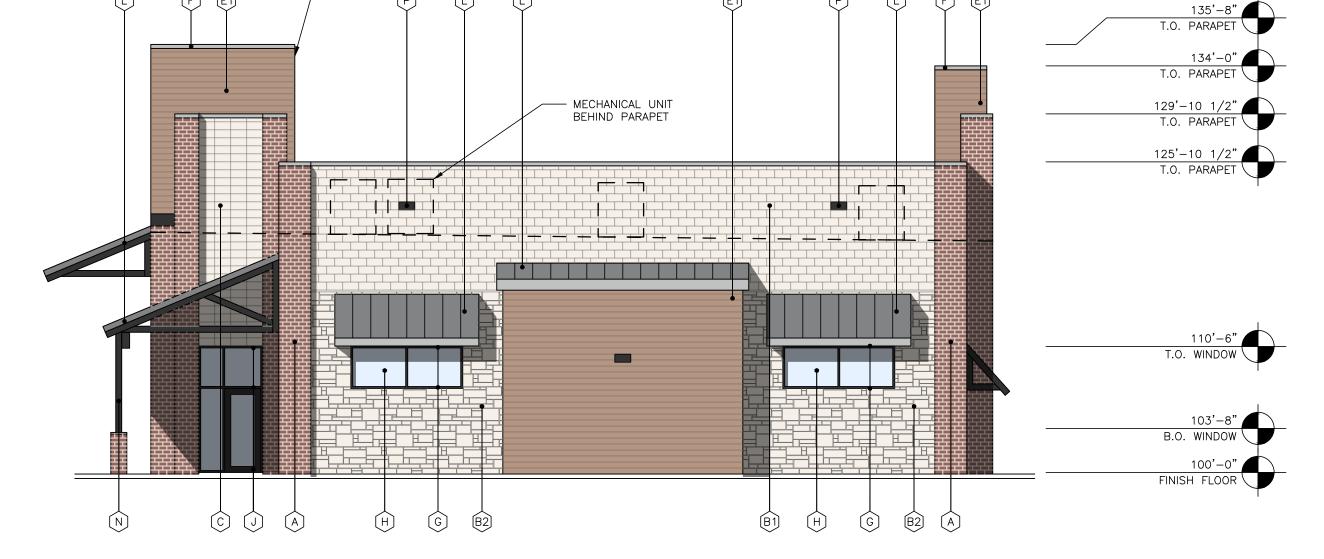
**BACK ELEVATION - WEST** SCALE: 1/8" = 1'-0"

BACK OF PARAPET TO MATCH FINISH MATERIAL \_\_ E1 F L 135'-8"
T.O. PARAPET 134'-0" T.O. PARAPET MECHANICAL UNIT . 129'-10 1/2" T.O. PARAPET BEHIND PARAPET 125'-10 1/2" T.O. PARAPET T.O. WINDOW 103'-8" B.O. WINDOW FINISH FLOOR

> - 540.0 S.F. - 33.5% **BURNISHED CMU** STONE - 343.1 S.F. - 21.3% - 326.9 S.F. - 20.3% **BRICK** (MASONRY) - COMPOSITE SIDING - 402.0 S.F. - 24.9% - 1,612.0 S.F. - 100% TOTAL

 $\widehat{A}$   $\widehat{A}$   $\widehat{B2}$ 

LEFT SIDE ELEVATION - SOUTH SCALE: 1/8" = 1'-0"



BURNISHED CMU STONE **BRICK** (MASONRY) - COMPOSITE SIDING - 433.8 S.F. - 25.6% **TOTAL** 

- 538.7 S.F. - 31.5% - 419.4 S.F. - 23.9% - 326.9 S.F. - 19.0% - 1,718.8 S.F. - 100%

**RIGHT SIDE ELEVATION - NORTH** SCALE: 1/8" = 1'-0"



BURNISHED CMU **BRICK** 

- 769.2 S.F. - 31.5% - 465.7 S.F. - 20.0% - 626.4 S.F. - 25.7% (MASONRY) - COMPOSITE SIDING - 576.7 S.F. - 22.8% TOTAL - 2,438.0 S.F. - 100%

FRONT ELEVATION - EAST SCALE: 1/8" = 1'-0"

EXTERIOR FINISH SCHEDULE

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- BURNISHED FACE CMU RUNNING BOND: FEATHERLITE, CUT STONE 8" x 16" SIZE 8" TALL, COLOR LIMESTONE
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- D STONE CAP: FEATHERLITE, COLOR LIMESTONE
- [E1] COMPOSITE SIDING: NICHIHA, COLOR CEDAR
- © COMPOSITE SIDING: NICHIHA ILLUMINATION, COLOR CUSTOM BLUE
- F PREFINISHED METAL COPING COLOR SILVER
- G STOREFRONT WINDOW FRAMES, COLOR BLACK
- GLAZING: DOUBLE PANE INSULATED, LOW E GLASS W/ WINDOW TINTED @ 10% GREY
- STOREFRONT ENTRY DOOR SYSTEM: ALUM. COLOR - BLACK
- (K) METAL RAILING, COLOR BLACK
- AWNINGS: PREFINISHED STANDING SEAM MTL. AWNINGS PANELS COLOR MED. GREY

CITY OF ROCKWALL CASE NUMBER: SP-2025-021

FUEL CITY - ROCKWALL

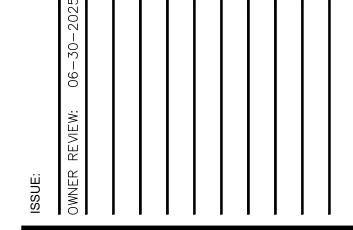
LEGAL DESCRIPTION AND OR ADDRESS:

LOT 2, BLOCK A
CORNERSTONE COMMUNITY CHURCH ADDITION
490 S. JOHN KING BLVD, ROCKWALL TX, 75087

Planning & Zoning Commission, Chairman

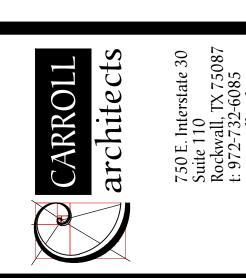
Director of Planning and Zoning

- (M) METAL CANOPY
- N STEEL COLUMN, COLOR BLACK
- (P) DECOR WALL PACKS BLACK
- Q ACCENT LIGHT FIXTURE BLACK
- (R) STEEL SILVER
- S FABRIC BLUE



. John King Blvd all, Texas 75087 

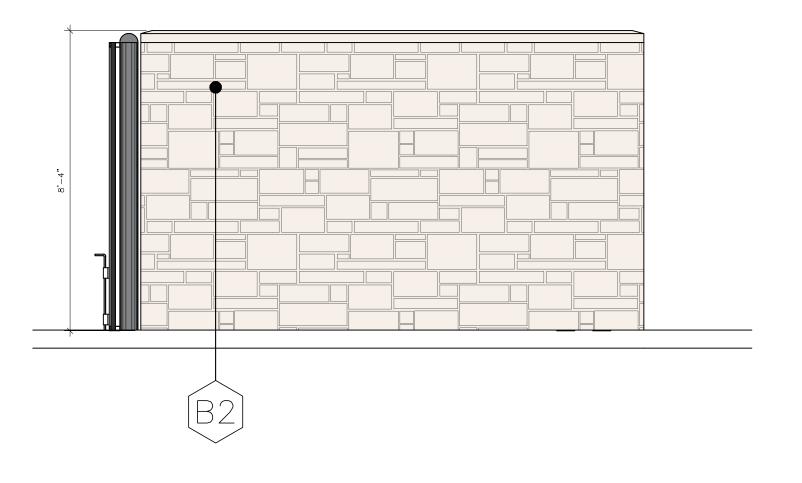


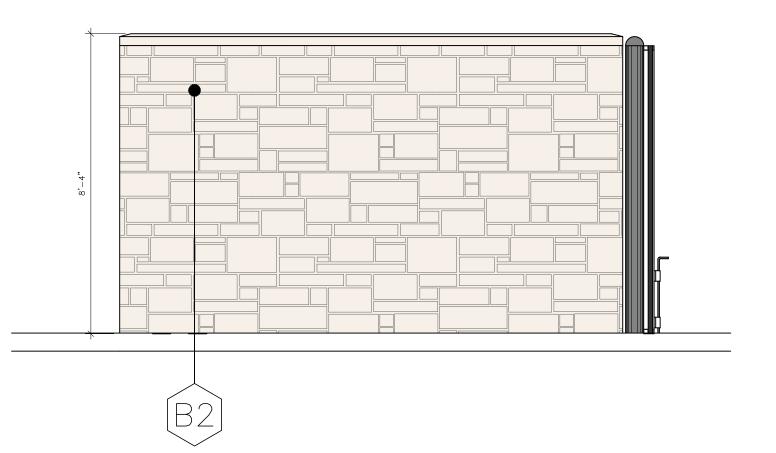


**EXTERIOR ELEVATIONS** 

DATE: **JUNE 2025** PROJECT NO: DRAWN BY: CHECKED BY:

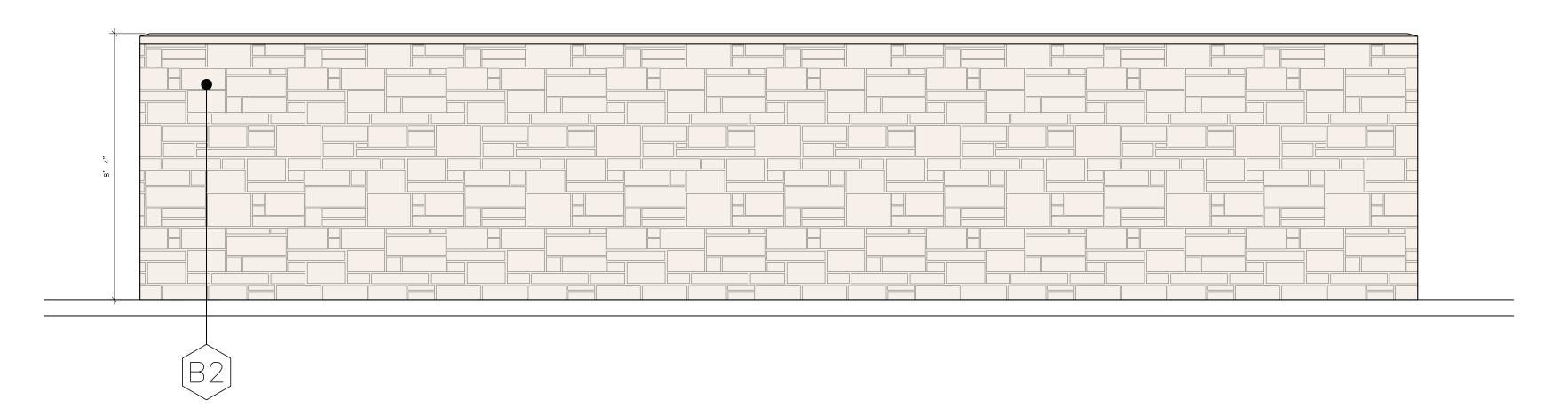
SHEET NO:



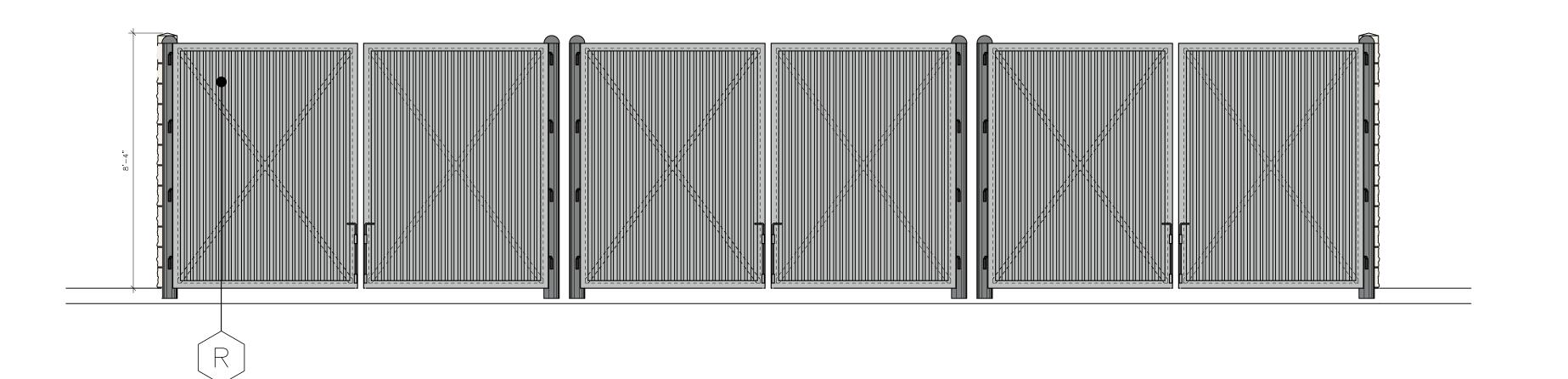


RIGHT SIDE ELEVATION - NORTH SCALE: 3/8" = 1'-0"

RIGHT SIDE ELEVATION - SOUTH SCALE: 3/8" = 1'-0"



BACK ELEVATION - WEST



FRONT ELEVATION - EAST SCALE: 3/8" = 1'-0"

EXTERIOR FINISH SCHEDULE

- (A) BRICK VENEER: ACME, COLOR BOURBON STREET
- B BURNISHED FACE CMU RUNNING BOND: FEATHERLITE, CUT STONE 8" x 16" SIZE 8" TALL, COLOR LIMESTONE
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- K METAL RAILING, COLOR BLACK
- AWNINGS: PREFINISHED STANDING SEAM MTL. AWNINGS PANELS COLOR MED. GREY

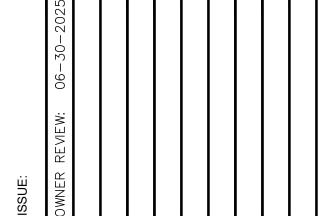
on the\_\_\_\_day of\_\_\_\_\_,

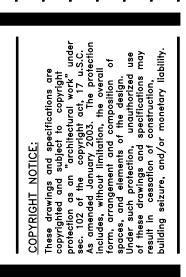
Planning & Zoning Commission, Chairman

WITNESS OUR HANDS, this\_\_\_\_\_

Director of Planning and Zoning

- M METAL CANOPY
- (N) STEEL COLUMN, COLOR BLACK
- P DECOR WALL PACKS BLACK
- (Q) ACCENT LIGHT FIXTURE BLACK
- R STEEL SILVER
- S FABRIC BLUE





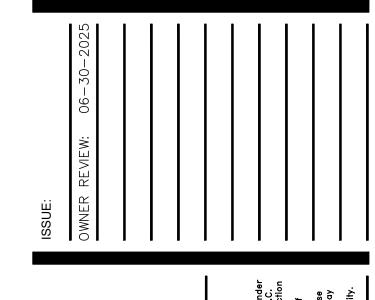
Blvd '5087 John King F

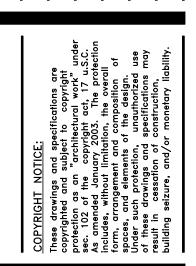


CITY OF ROCKWALL CASE NUMBER: SP-2025-021	
FUEL CITY — ROCKWALL	X
LEGAL DESCRIPTION AND OR ADDRESS:	0 :1 0 6 -
LOT 2, BLOCK A CORNERSTONE COMMUNITY CHURCH ADDITION 490 S. JOHN KING BLVD, ROCKWALL TX, 75087	31 Sun
OWNER  Fuel City 801. S Riverfront Boulevard, 00 Dallas, TX 75207 P: 469-203-0159	
E: jbickham@fuelcity.com ATTN: Joseph Bickham	
APPLICANT Kimley-Horn and Associates, Inc. 225 E. John W Carpenter FWY, Suite 1100 Irving, TX 75062 P: 214-420-5600	DUMPSTER
E: jared.earney@kimley—horn.com ATTN: Jared Earney	ELEVATIONS
SITE PLAN SIGNATURE BLOCK	
APPROVED: I hereby certify that the above and foregoing site plan for a	
development in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall	DATE: SHEET NO:

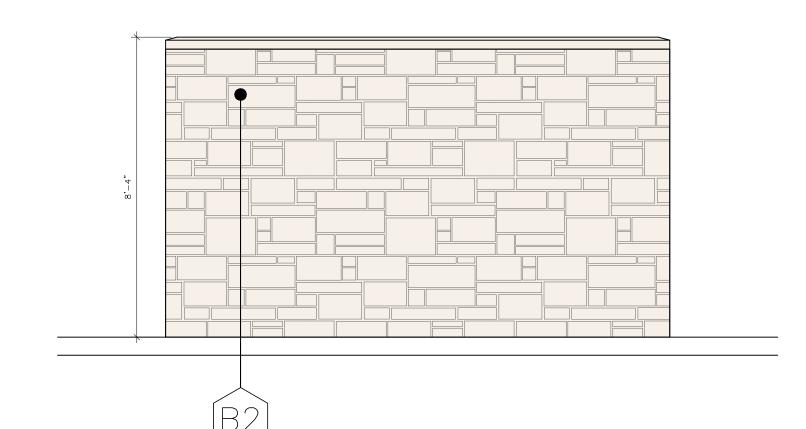
**ELEVATIONS** DATE: SHEET NO: JUNE 2025 PROJECT NO:

CHECKED BY:



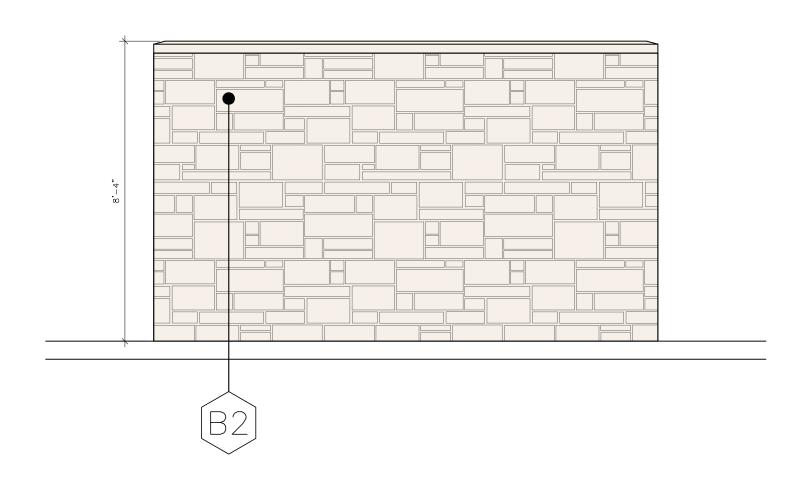


490 S. John King Blvd Rockwall, Texas 75087



SOUTH ELEVATION

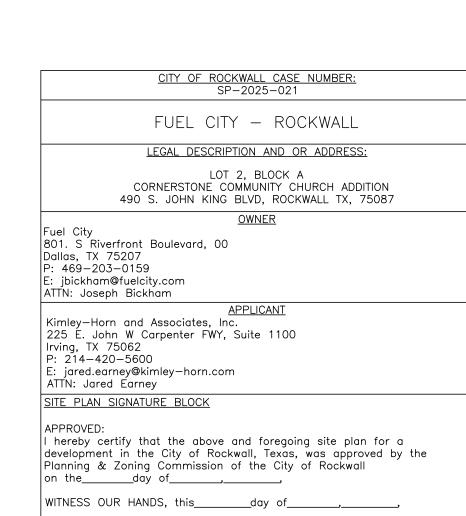
SCALE: 3/8" = 1'-0"



NORTH ELEVATION

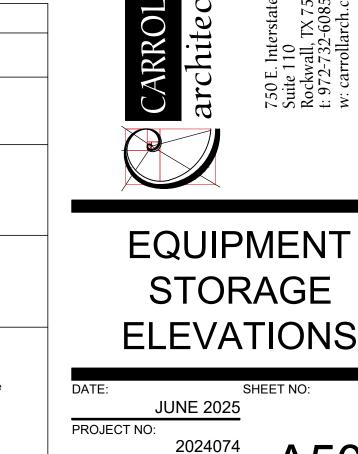
SCALE: 3/8" = 1'-0"





Planning & Zoning Commission, Chairman

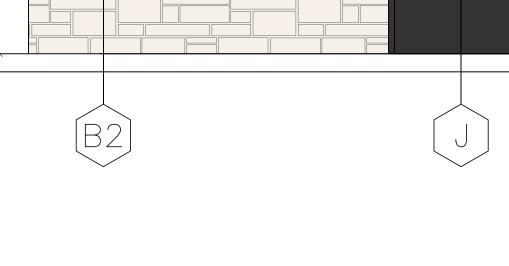
Director of Planning and Zoning



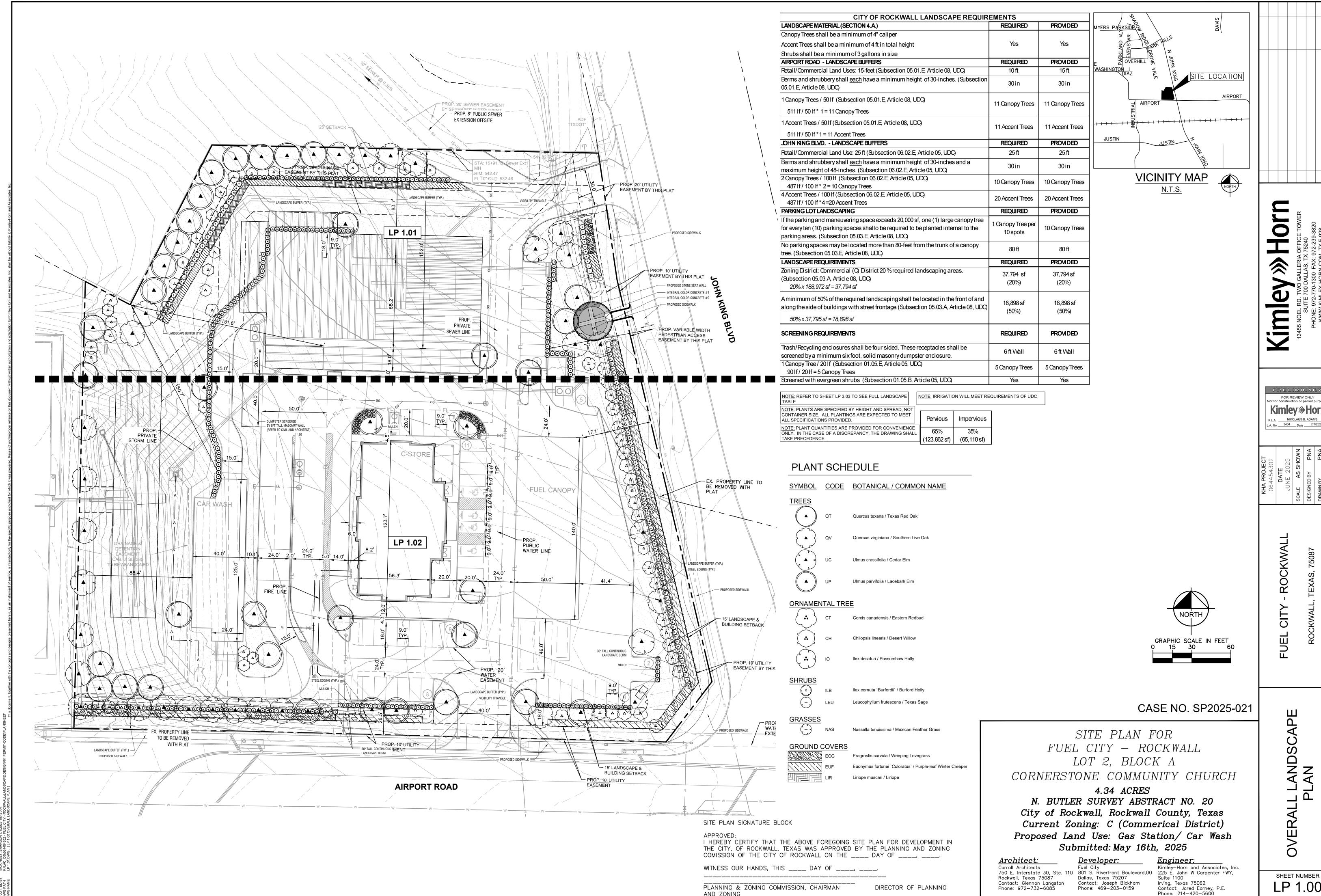
CHECKED BY:

STORAGE **ELEVATIONS** JUNE 2025





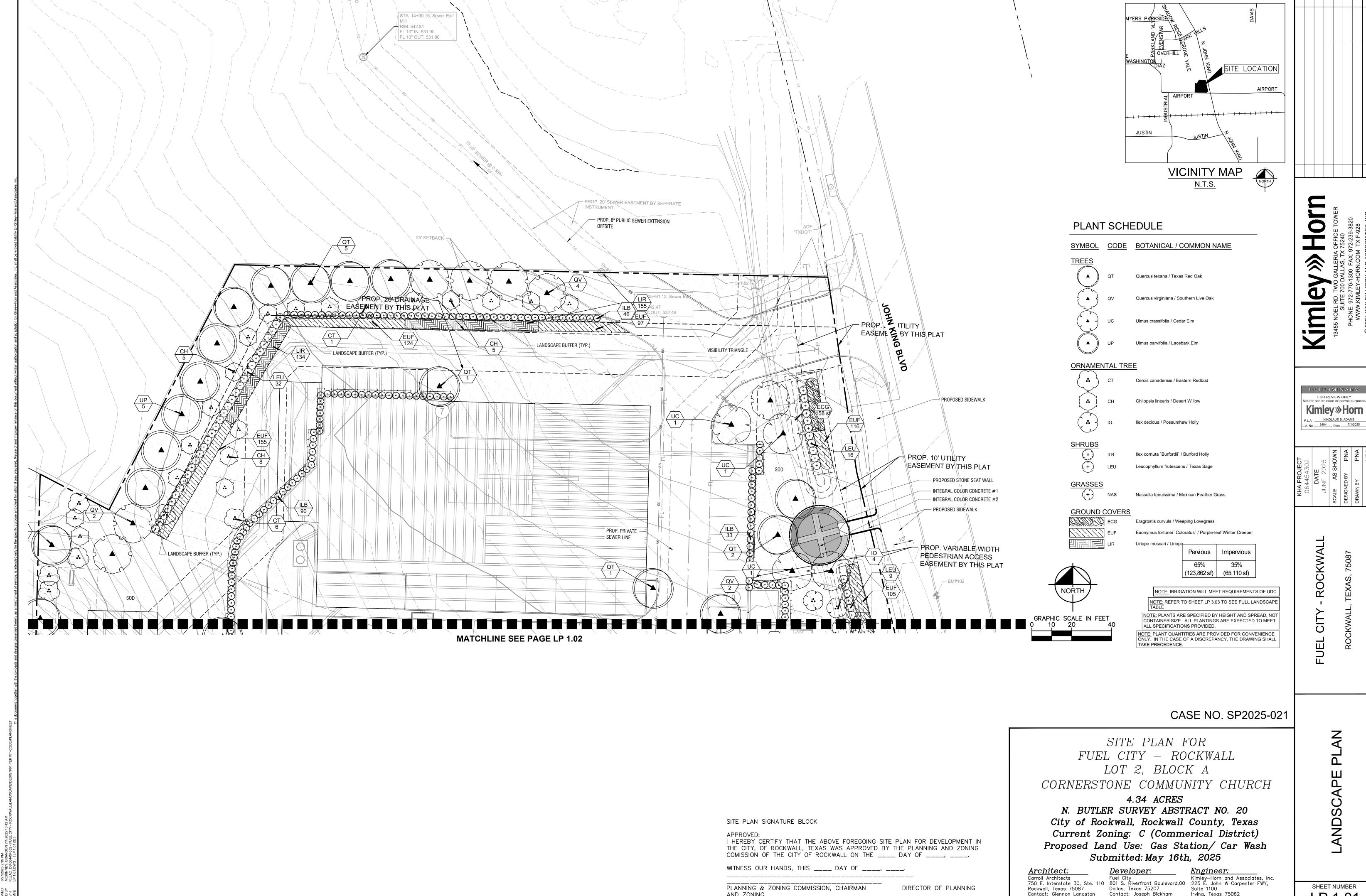
WEST ELEVATION



AND ZONING

Kimley»Horn L.A. No. 3404 Date 7/1/2025

LP 1.00



AND ZONING

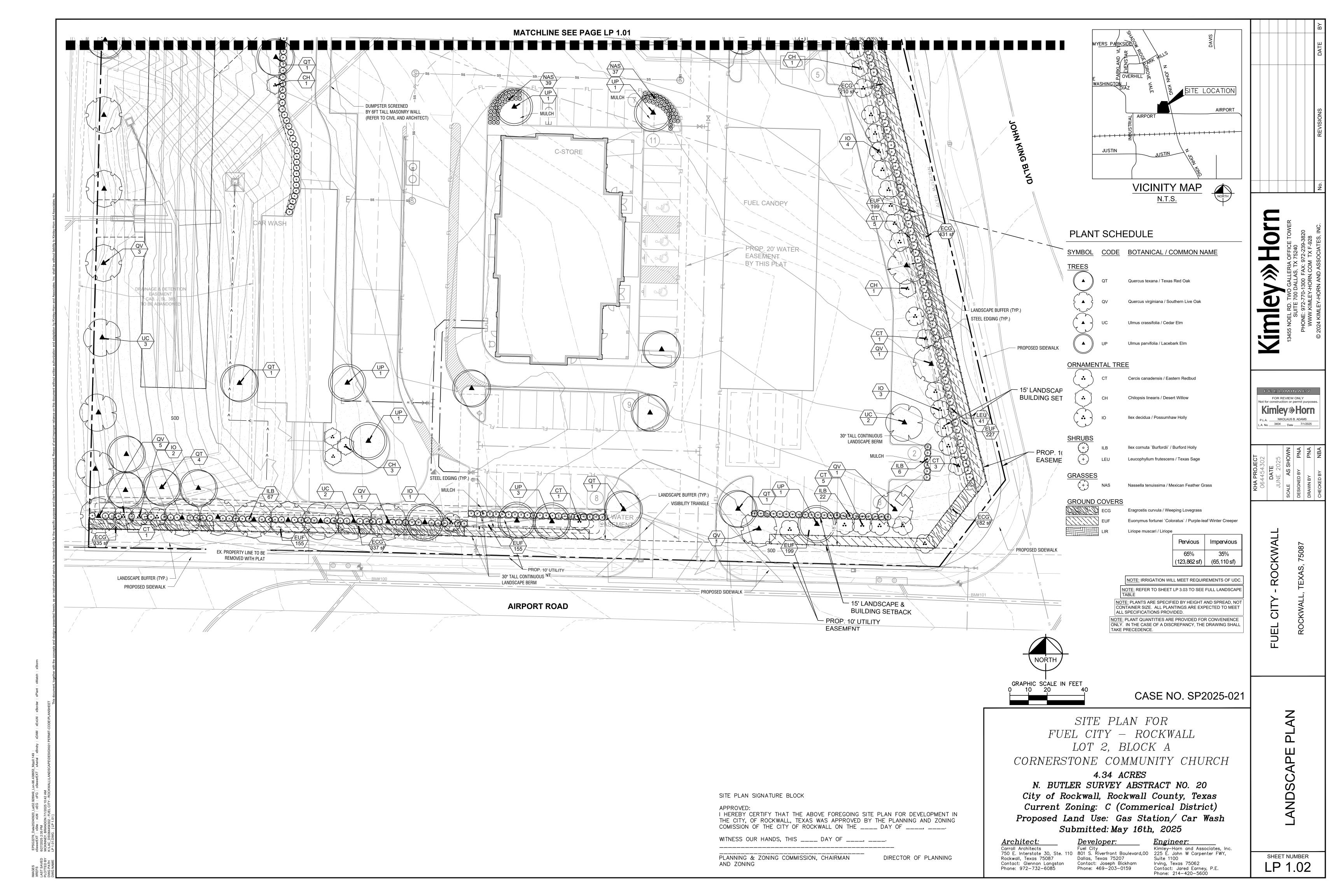
LP 1.01

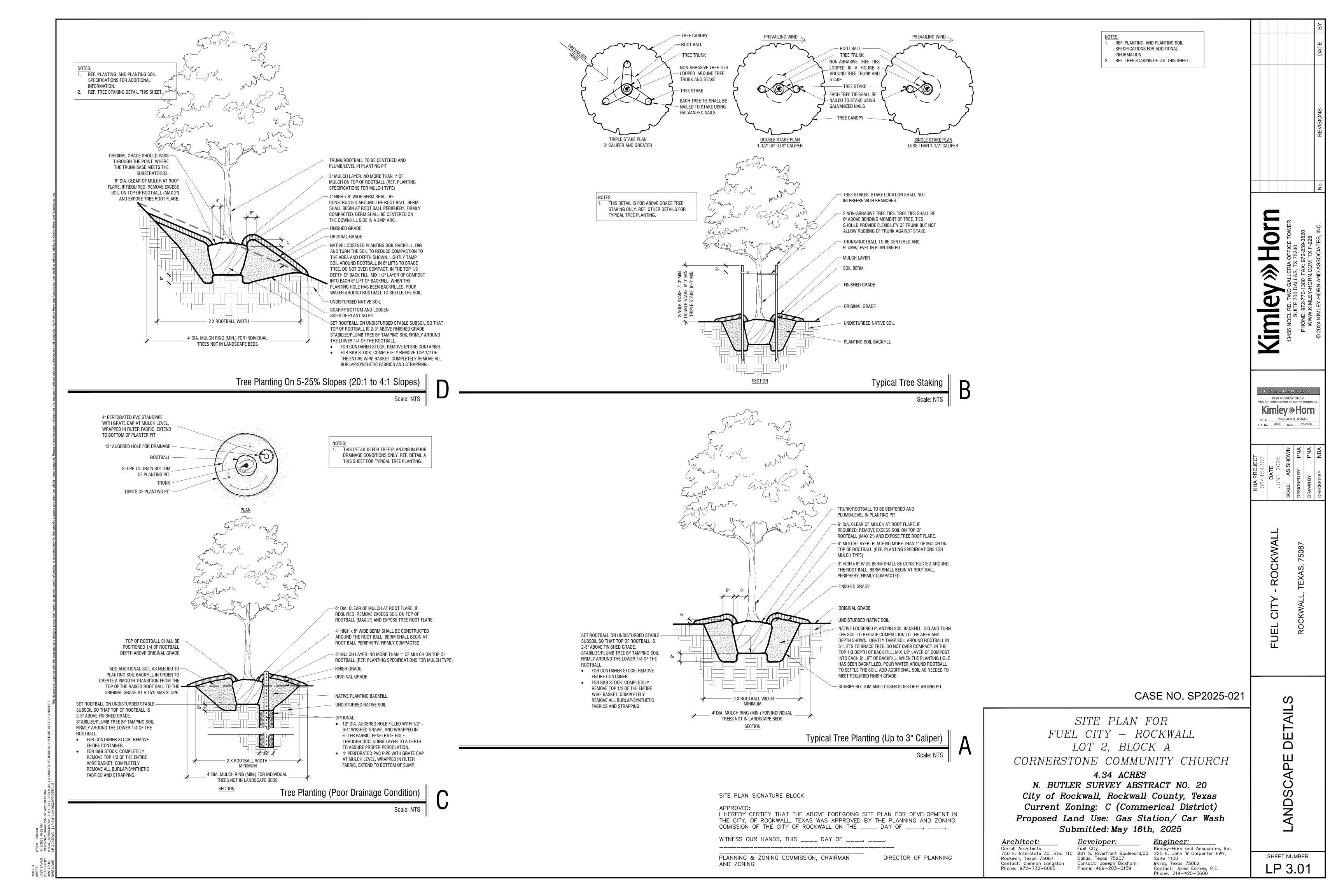
Contact: Glennon Langston Phone: 972-732-6085

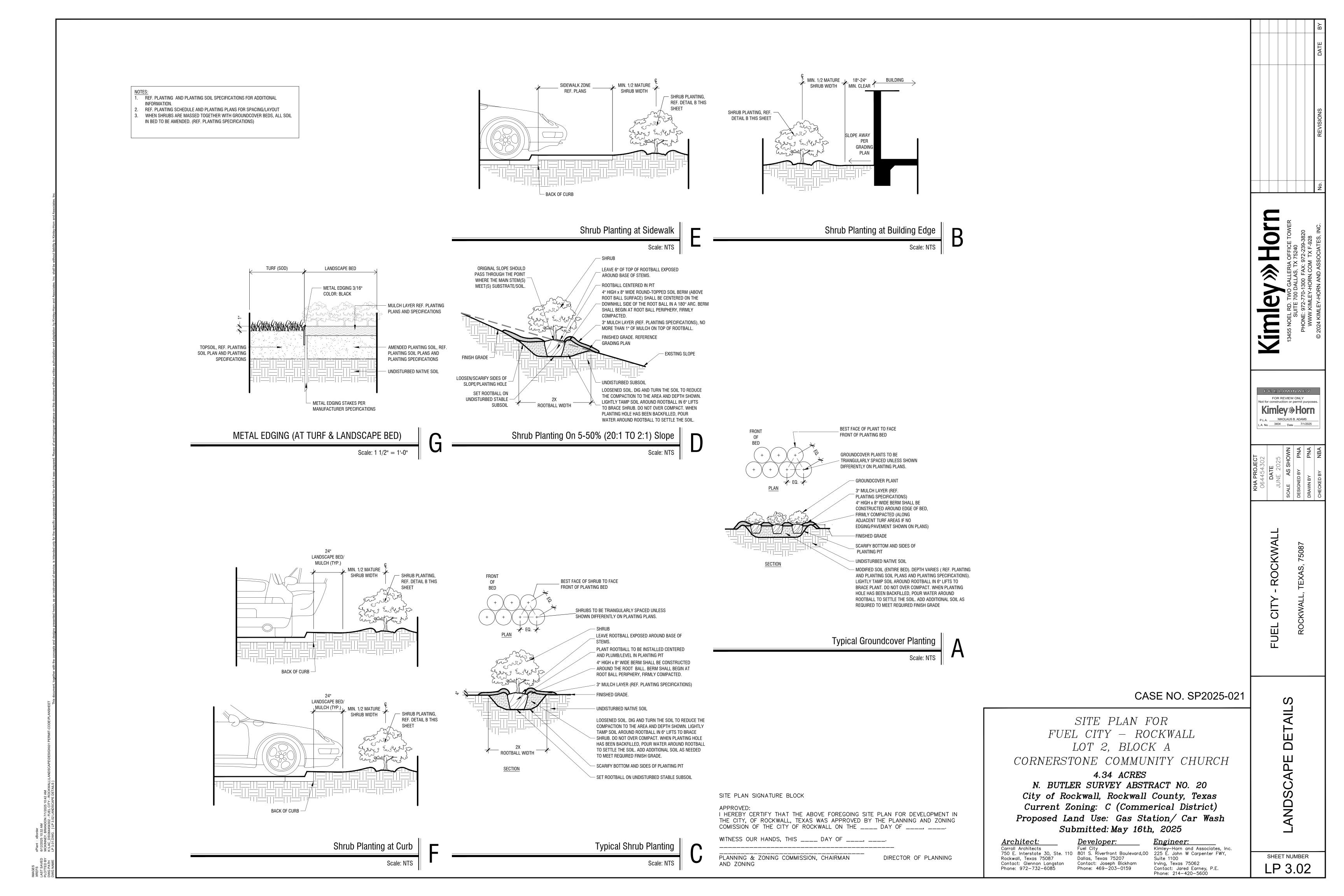
Contact: Joseph Bickham

Phone: 469-203-0159

Contact: Jared Earney, P.E. Phone: 214—420—5600







ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS HEREIN SPECIFIED. 2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL PLANTING AREAS OF THIS CONTRACT UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER.

B PROTECTION OF EXISTING STRUCTURES ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, AND OTHER ITEMS OF CONSTRUCTION AND PLANTING ALREADY COMPLETED OR ESTABLISHED SHALL BE PROTECTED FROM DAMAGE BY THIS CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.

# C. PROTECTION OF EXISTING PLANT MATERIALS OUTSIDE LIMIT OF WORK

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY CARELESS OPERATION OF EQUIPMENT. STOCKPILING OF MATERIALS, ETC. THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE THE DRIP-LINE OR THE SPILLING OF OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED WHERE THE HEAT WILL DAMAGE ANY PLANT. TREES KILLED OR DAMAGED SO THAT THEY ARE MISSHAPEN AND/ OR UNSIGHTLY SHALL BE REPLACED AT THE COST TO THE CONTRACTOR OF ONE HUNDRED DOLLARS (\$100) PER CALIPER INCH ON AN ESCALATING SCALE WHICH ADDS AN ADDITIONAL TWENTY (20) PER CENT PER INCH OVER FOUR (4) INCHES CALIPER AS FIXED AND AGREED LIQUIDATED DAMAGES. CALIPER SHALL BE MEASURED SIX (6) INCHES ABOVE GROUND LEVEL FOR TREES UP TO AND INCLUDING FOUR (4) INCHES IN CALIPER AND TWELVE (12) INCHES ABOVE GROUND LEVEL FOR TREES OVER FOUR (4) INCHES IN CALIPER.

# D. MATERIALS

SAMPLES OF MATERIALS AS LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL, ON THE SITE OR AS OTHERWISE DETERMINED BY THE OWNER. UPON APPROVAL OF SAMPLES, DELIVERY OF

TOPSOIL ONE (1) CUBIC YARD

PLANTS ONE (1) OF EACH VARIETY

# 2. PLANT MATERIALS

A PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS NOMENCI ATURE SHALL CONFORM TO STANDARDIZED PLANT NAMES 1942 EDITION. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS AS STATED IN THE LATEST EDITION OF AMERICAN STANDARD FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERYMEN. ALL PLANTS SHALL BE FRESHLY DUG. SOUND, HEALTHY, VIGOROUS, WELL-BRANCHED AND FREE OF DISEASE AND INSECTS INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY UPON THE APPROVAL OF THE OWNER.

B. MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPROVED. THE BALL OF EARTH OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PLANT

C. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH OR UPON DELIVERY TO THE SITE AS DETERMINED BY THE OWNER FOR QUALITY SIZE AND VARIETY: SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF BALLS OR ROOTS, LATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.

# E. TOPSOIL

1. ASTM D5268, NATURAL, FRIABLE, FERTILE, FINE LOAMY SOIL POSSESSING CHARACTERISTICS OF REPRESENTATIVE TOPSOIL IN THE VICINITY THAT PRODUCES HEAVY GROWTH. TOPSOIL SHALL HAVE A PH RANGE OF 5.5 TO 7.4 PERCENT, FREE FROM SUBSOIL, OBJECTIONABLE WEEDS, LITTER, SODS, STIFF CLAY, STONES LARGER THAN 1-INCH IN DIAMETER, STUMPS, ROOTS, TRASH, HERBICIDES, TOXIC SUBSTANCES, OF ANY OTHER MATERIAL WHICH MAY BE HARMFUL TO PLANT GROWTH OR HINDER PLANTING OPERATIONS. TOP SOIL SHALL CONTAIN A MINIMUM OF THREE PERCENT ORGANIC MATERIAL

- 2. SALVAGED OR EXISTING TOPSOIL: REUSE SUITABLE TOPSOIL STOCKPILED ON-SITE OR EXISTING TOPSOIL UNDISTURBED BY GRADING OR EXCAVATION OPERATIONS. CLEAN TOPSOIL OF ROOTS, PLANTS, SOD,
- STONES, CLAY LUMPS, AND OTHER EXTRANEOUS MATERIALS HARMFUL TO PLANT GROWTH. 3. VERIFY AMOUNT OF SUITABLE TOPSOIL STOCKPILED IF ANY, AND SUPPLY ADDITIONAL IMPORTED TOPSOIL AS NEEDED. FOUR (4) INCHES OF TOPSOIL TO BE PROVIDED FOR ALL TURE AREAS. TWENTY FOUR (24) INCHES OF TOPSOIL TO BE PROVIDED FOR ALL PLANTING AREAS WITHIN INTERIOR LANDSCAPE ISLANDS AND FOUNDATION PLANTINGS. FOR ALL OTHER PLANTING AREAS, TWELVE (12) INCHES OF TOPSOIL MINIMUM TO
- 4. IMPORTED TOPSOIL: SUPPLEMENT SALVAGED TOPSOIL WITH IMPORTED TOPSOIL FROM OFF-SITE SOURCES WHEN EXISTING QUANTITIES ARE INSUFFICIENT.
- 5. OBTAIN TOPSOIL DISPLACED FROM NATURALLY WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT LEAST 6 INCHES DEEP; DO NOT OBTAIN FROM AGRICULTURAL LAND, BOGS, OR MARSHI 6. VERIFY BORROW AND DISPOSAL SITES ARE PERMITTED AS REQUIRED BY STATE AND LOCAL REGULATIONS.
- OBTAIN WRITTEN CONFIRMATION THAT PERMITS ARE CURRENT AND ACTIVE
- 7. OBTAIN PERMITS REQUIRED BY STATE AND LOCAL REGULATIONS FOR TRANSPORTING TOPSOIL. PERMITS SHALL BE CURRENT AND ACTIVE
- 8. AMEND EXISTING AND IMPORTED TOPSOIL AS INDICATED BELOW. a. ORGANIC SOIL AMENDMENTS
  - 1. MANURE: WELL-ROTTED, UNLEACHED, STABLE OR CATTLE MANURE CONTAINING NOT MORE THAN 25 PERCENT BY VOLUME OF STRAW, SAWDUST, OR OTHER BEDDING MATERIALS: FREE OF TOXIC SUBSTANCES, STONES, STICKS, SOIL, WEED SEED, AND MATERIAL HARMFUL TO

# BACK TO NATURE COTTON BURR COMPOST OR APPROVED FOLIVALENT

- 3. COMPOST: DECOMPOSED ORGANIC MATERIAL INCLUDING LEAF LITTER, MANURE, SAWDUST, PLANT TRIMMINGS AND/OR HAY, MIXED WITH SOIL.
- 4. PECAN HULLS: COMPOSTED PECAN HULLS FOR LOCAL SOURCE. 5. BIOSOLIDS: USE GRADE 1 CONTAINING LOWER PATHOGEN LEVELS.
- WORM CASTINGS: EARTHWORMS. b. INORGANIC SOIL AMENDMENTS
- 1. LIME: ASTM C602, CLASS O AGRICULTURAL LIMESTONE CONTAINING A MINIMUM OF 80 PERCENT CALCIUM CARBONATE EQUIVALENT WITH A MINIMUM OF 95 PERCENT PASSING NO. 8
- SIEVE AND MINIMUM OF 55 PERCENT PASSING NO. 60 SIEVE. 2. SULFUR: GRANULAR, BIODEGRADABLE, CONTAINING A MINIMUM OF 90 PERCENT SULFUR, WITH A MINIMUM OF 99 PERCENT PASSING NO. 6 SIEVE AND A MAXIMUM OF 10 PERCENT
- 3. IRON SULFATE: GRANULATED FERROUS SULFATE CONTAINING A MINIMUM OF 20 PERCENT
- 4. AGRICULTURAL GYPSUM: FINELY GROUND, CONTAINING A MINIMUM OF 90 PERCENT CALCIUM 5. SAND: CLEAN, WASHED, NATURAL OR MANUFACTURED, FREE OF TOXIC MATERIALS.
- c. PLANTING SOIL MIX
- 1. PLANTING MIX MAY BE PROVIDED BY LIVING EARTH OR MINICK MATERIALS OR APPROVED
- 2. PLANTING MEDIUM CONTAINING 75 PERCENT SPECIFIED TOPSOIL MIXED WITH 15 PERCENT DRGANIC SOIL AMENDMENTS AND 10 PERCENT SHARP WASHED SAND. INSTALL TO DEPTHS, PER PLANTING DETAILS (12" MIN.) FINISHED GRADES OF PLANTING BEDS TO BE 2" BELOW

# FINISHED GRADE OF ADJACENT PÁVING OR AS SHOWN ON GRADING PLAN. SOD/SEED AREA TOPSOIL

ALL SOD AREAS TO RECEIVE 4" DEPTH (MIN) TOPSOIL PRIOR TO INSTALLATION. TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, WITH 25% (MIN.) ORGANIC MATERIAL, AND FREE OF TRASH, DEBRIS, STONES, WEEDS, AND TWIGS/BRANCHES. THE PARTICLE SIZES SHALL BE SUCH THAT 98.5% OF THE TOPSOIL WILL PASS THROUGH A 1/2 INCH SCREEN, AND 99% MORE SHALL PASS THROUGH A 3/4 INCH SCREEN. TOPSOIL SHALL BE REVIEWED/APPROVED BY OWNER/LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. CONTRACTOR TO SUBMIT SAMPLES IN 1 GAL (MIN.) CONTAINER.

WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN AN ADEQUATE GROWTH OF PLANTS AND SHALL NOT CONTAIN HARMFUL. NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS HOSES SPRINKLERS ETC. IF SUCH WATER IS NOT AVAILABLE AT THE SITE THE CONTRACTOR SHALL PROVIDE SUCH SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO

# I. COMMERCIAL FERTILIZER

COMMERCIAL FERTILIZER SHALL BE A COMPLETE FORMULA; IT SHALL BE UNIFORM IN COMPOSITION, DRY AND FREE FLOWING. THIS FERTILIZER SHALL BE DELIVERED TO THE SITE IN THE ORIGINAL UNOPENED CONTAINERS, EACH BEARING THE MANUFACTURER'S GUARANTEED STATEMENT OF ANALYSIS. FIFTY PERCENT (50%) OF THE NITROGEN SHALL BE DERIVED FROM NATURAL ORGANIC SOURCES. THE

FOLLOWING FERTILIZERS SHALL BE USED AND APPLIED AT RATES AS SUGGESTED BY MANUFACTURER'S

1. SHRUBS AND TREES - MILORGANITE, OR APPROVED EQUAL
2. ANNUALS AND GROUNDCOVERS - OSMOCOTE/SIERRA BLEND 14-14-14
3. SOD - 8-8-8 FERTILIZER

IN ADDITION TO SURFACE APPLIED FERTILIZERS, ALL CONTAINER GROWN AND FIELD GROWN PLANT MATERIAL SHALL RECEIVE "AGRIFORM" PLANTING TABLETS 24-10-5 FORMULA, 21 GRAM OR EQUAL. THESE TABLETS SHALL BE PLACED AT A DEPTH OF ROOT BALL AT THE RATE AS SPECIFIED BY MANUFACTURER.

MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A DEPTH OF 3 INCHES. SEE PLANT LIST FOR TYPE OF MATERIAL

# L. DIGGING AND HANDLING

1. PROTECT ROOTS OR BALLS OF PLANTS AT ALL TIMES FROM SUN AND DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT BREAKAGE AND DRYING OUT DURING TRANSIT. TREES TRANSPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO SITE SHALL BE SPRAYED VITH AN ANTI-TRANSPIRANT PRODUCT ("WILTPRUF" OR EQUAL) TO MINIMIZE TRANSPIRATIONAL WATER LOSS.

2. BALLED AND BURLAPPED PLANTS (B&B) SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROOTS OF THE PLANTS. NO PLANTS MOVED WITH A BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS BALLED AND BURLAPPED OR CONTAINER GROWN SHALL NOT BE HANDLED BY STEMS.

3. PLANTS MARKED "BR" IN THE PLANT LIST SHALL BE DUG WITH BARE ROOTS. THE ROOTS SHALL NOT BE CUT WITHIN THE MINIMUM SPREAD SPECIFIED IN THE PLANT LIST. CARE SHALL BE EXERCISED THAT THE ROOTS DO NOT DRY OUT IN MOVING AND PRIOR TO PLANTING.

4. PROTECTION OF PALMS (IF APPLICABLE): ONLY A MINIMUM OF FRONDS SHALL BE REMOVED FROM THE CROWN OF THE PALM TREES TO FACILITATE MOVING AND HANDLING. CLEAR TRUNK (CT) SHALL BE AS SPECIFIED AFTER THE MINIMUM OF FRONDS HAVE BEEN REMOVED. ALL PALMS SHALL BE BRACED

# 5. EXCAVATION OF TREE PITS SHALL BE DONE USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS AND

# M. CONTAINER GROWN STOCK

1. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS AND ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE

2. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS

3. PLANT ROOTS BOUND IN CONTAINERS SHALL NOT BE ACCEPTABLE 4. SUBSTITUTION OF NON-CONTAINER GROWN MATERIAL FOR MATERIAL EXPLICITLY SPECIFIED TO BE CONTAINER GROWN WILL NOT BE PERMITTED UNLESS WRITTEN APPROVAL IS OBTAINED FROM THE OWNER AND LANDSCAPE ARCHITECT.

WHEN THE USE OF COLLECTED STOCK IS PERMITTED AS INDICATED ON THE PLANT LIST SCHEDULE. THE MINIMUM SIZES OF ROOTBALLS SHALL BE EQUAL TO THAT SPECIFIED FOR THE NEXT LARGER SIZE OF NURSERY GROWN STOCK OF THE SAME VARIETY

O. NATIVE STOCK PLANTS COLLECTED FROM WILD OR NATIVE STANDS SHALL BE CONSIDERED NURSERY GROWN WHEN THEY HAVE BEEN SUCCESSFULLY REESTABLISHED IN A NURSERY ROW AND GROWN UNDER REGULAR NURSERY CULTURAL PRACTICES FOR A MINIMUM OF TWO (2) GROWING SEASONS AND HAVE ATTAINED ADEQUATE ROOT AND TOP GROWTH TO INDICATE FULL RECOVERY FROM TRANSPLANTING INTO THE NURSERY ROW.

QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE BIDDERS TAKE OFF AND THE PLANT LIST QUANTITY. THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO THE SUBMISSIONS OF BIDS. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE

1. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. BERMING AS SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR, UNLESS OTHERWISE NOTED. 2. THE LANDSCAPE CONTRACTOR SHALL FINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR THICKNESS OF SOD AND/OR MULCH DEPTH THIS CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE.

3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS.

# R. PLANTING PROCEDURES

1. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN UP WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER. ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH. HE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT OR OWNER. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.

2. VERIFY LOCATIONS OF ALL UTILITIES, CONDUITS, SUPPLY LINES AND CABLES, INCLUDING BUT NOT LIMITED TO: ELECTRIC, GAS (LINES AND TANKS), WATER, SANITARY SEWER, STORMWATER LINES, CABLE AND TELEPHONE. PROPERLY MAINTAIN AND PROTECT EXISTING UTILITIES.

3. SUBGRADE EXCAVATION: SITE CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36". SITE CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY SITE CONTRACTOR, AND POSITIVE DRAINAGE CAN NOT BE ACHIEVED, LANDSCAPE CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT OR OWNER

4. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS HEREIN SPECIFIED AND REQUIRED. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING

5 GENERAL COMPLY WITH APPLICABLE FEDERAL STATE COUNTY AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. PLANTS SHALL BE PROTECTED UPON ARRIVAL AT THE SITE BY BEING THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS SHALL NOT REMAIN UNPROTECTED FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES WORKMANLIKE

METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED. 6. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE THE PLANTING WITH THE IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF

7. ALL PLANTING PITS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH THE USA STANDARD FOR NURSERY STOCK 260.1, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACKFILLED WITH THE PREPARED PLANTING SOIL AS SPECIFIED HEREIN BEFORE (SECTION H). TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. IF POOR DRAINAGE EXISTS. UTILIZE PLANTING DETAIL THAT ADDRESSES THIS CONDITION. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW FULL HOSE STREAM ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURE AND UNDER HE SUPERVISION OF A QUALIFIED PLANTING FOREMAN. PROPER "JETTING IN" SHALL BE ASSURED TO

ELIMINATE AIR POCKETS AROUND THE ROOTS. "JET STICK" OR EQUAL IS RECOMMENDED. 8. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES

WHILE INSTALLING TREES. 9. SOIL MIXTURE SHALL BE AS SPECIFIED IN SECTION H OF THESE SPECIFICATIONS. IN ADDITION, EACH PLANTING PIT SHALL RECEIVE 21-GRAM "AGRIFORM" PLANTING TABLETS PER MANUFACTURER'S SPECIFICATIONS OR AS FOLLOWS:

## TWO (2) TABLETS PER 1 GAL. PLANT THREE (3) TABLETS PER 3 GAL. PLANT

RECOMMENDED BY THE MANUFACTURER

IRRIGATION ITEMS AND PLANTS.

- FOUR (4) TABLETS PER 10 GAL. PLAN - LARGER MATERIAL - TWO (2) TABLETS PER 1/2" OF TRUNK CALIPER

10. TREES AND SHRUBS SHALL BE SET STRAIGHT AND AT SUCH A LEVEL THAT AFTER SETTLEMENT, THE PLANT CROWN WILL STAND ONE (1) TO TWO (2) INCHES ABOVE GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PIT. PLANTING SOIL MIXTURE SHALL BE BACKFILLED AND THOROUGHLY TAMPED AROUND THE BALL AND SHALL BE SETTLED BY WATER AFTER TAMPING

11 FILL HOLF WITH SOIL MIXTURE MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES. STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET. ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE, ONLY WITH MULCH. ALL BURLAP, ROPE, WIRES, ETC., SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH. 12. PRUNING: EACH TREE SHALL BE PRUNED TO PRESERVE THE NATURAL CHARACTER OF THE PLANT AS

SHOWN ON THE DRAWINGS. ALL SOFT WOOD OR SUCKER GROWTH AND ALL BROKEN OR BADLY DAMAGED

BRANCHES SHALL BE REMOVED WITH A CLEAN CUT. 13. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 6", REMOVE AND DISPOSE ALL DEBRIS. TILL INTO TOP 4" THE PLANTING SOIL MIX AS SPECIFIED IN SECTION E. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.

14. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE LANDSCAPE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO INSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE LANDSCAPE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING. THE OWNER SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING OF THEIR INTENTIONS AND AGREE TO HOLD HARMLESS THE LANDSCAPE ARCHITECT IN THE EVENT ANY TREES FALL DOWN AND DAMAGE PERSON OR

15. MULCHING: PROVIDE A THREE (3) INCH MINIMUM LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA OF EACH SHRUB BED, GROUND COVER AND VINE BED AND TREE PIT 16. HERBICIDE WEED CONTROL: ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. IF DIRECTED BY THE OWNER, "ROUND-UP" SHALL BE APPLIED FOR WEED CONTROL BY QUALIFIED PERSONNEL TO ALL PLANTING AREAS IN SPOT APPLICATIONS PER MANUFACTURER'S PRECAUTIONS AND SPECIFICATIONS. PRIOR TO FINAL INSPECTION, TREAT ALL PLANTING BEDS WITH AN APPROVED PRE-EMERGENT HERBICIDE AT AN APPLICATION RATE

# S. LAWN SODDING

1. THE WORK CONSISTS OF LAWN BED PREPARATION, SOIL PREPARATION, AND SODDING COMPLETE, IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE APPLICABLE DRAWINGS TO PRODUCE A GRASS LAWN ACCEPTABLE TO THE OWNER.

2. LAWN BED PREPARATION: ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROUGH GRASS, WEEDS, AND DEBRIS, AND THE GROUND BROUGHT TO AN EVEN GRADE. THE WHOLE SURFACE SHALL BE ROLLED WITH A ROLLER WEIGHING NOT MORE THAN ONE-HUNDRED (100) POUNDS PER FOOT OF WIDTH. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT OF ROLLING SHALL BE FILLED WITH ADDITIONAL SOIL, AND THE SURFACE SHALL BE REGRADED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH THAT IS UP TO THE REQUIRED GRADE.

3. SOIL PREPARATION: PREPARE LOOSE BED FOUR (4) INCHES DEEP. APPLY FERTILIZER AT RATE OF TWENTY (20) POUNDS PER ONE THOUSAND (1000) SQUARE FEET. APPLICATION SHALL BE UNIFORM, UTILIZING APPROVED MECHANICAL SPREADERS. MIX FERTILIZER THOROUGHLY WITH THE SOIL TO A DEPTH OF THREE (3) INCHES. HAND RAKE UNTIL ALL BUMPS AND DEPRESSIONS ARE REMOVED. WET PREPARED AREA THOROUGHLY

A. THE CONTRACTOR SHALL SOD ALL AREAS THAT ARE NOT PAVED OR PLANTED AS DESIGNATED ON THE DRAWINGS WITHIN THE CONTRACT LIMITS, UNLESS SPECIFICALLY NOTED OTHERWISE. B. THE SOD SHALL BE CERTIFIED TO MEET THE STATE PLANT BOARD SPECIFICATIONS, ABSOLUTELY TRUE TO VARIETAL TYPE, AND FREE FROM WEEDS, FUNGUS, INSECTS AND DISEASE OF ANY KIND

C SOD PANELS SHALL BE LAID TIGHTLY TOGETHER SO AS TO MAKE A SOLID SODDED LAWN AREA SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS PAVED AND PLANTED AREAS. ADJACENT TO BUILDINGS, A FOUR INCH MULCH STRIP SHALL BE PROVIDED. IMMEDIATELY FOLLOWING SOD LAYING, THE LAWN AREAS SHALL BE ROLLED WITH A LAWN ROLLER CUSTOMARILY USED FOR SUCH PURPOSES, AND THEN THOROUGHLY IRRIGATED. IF IN THE OPINION. OF THE OWNER, TOP-DRESSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, CLEAN SAND AS APPROVED BY THE LANDSCAPE ARCHITECT OR OWNER SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN.

D. DURING DELIVERY, PRIOR TO AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY SWEATING OR EXCESSIVE HEAT AND MOISTURE

A. PROVIDE FRESH, CLEAN, NEW CROP LAWN SEED MIXTURE. FURNISH TO OWNER DEALERS GUARANTEED STATEMENT OF COMPOSITION OF MIXTURE AND PERCENTAGE OF PURITY AND GERMINATION OF EACH VARIETY. B. SEED MIXTURE: PROVIDE SEED OF GRASS SPECIES AND VARIETIES, PROPORTIONS BY WEIGHT AND MINIMUM PERCENTAGES OF PURITY, GERMINATION, AND MAXIMUM PERCENTAGE OF WEED SEED. SEED MIXTURES VARY BY REGION AND SEASON AND SHALL COMPLY WITH STATE DO AND LOCAL SOIL CONSERVATION SERVICE STANDARDS FOR LAWN TURF.

C. DO NOT PERFORM SEEDING IN WINDY CONDITIONS.

D. SEEDING SHALL BE DISPERSED IN 2 DIRECTIONS AT RIGHT ANGLES TO EACH OTHER.

E. PERMANENTLY SEED AND MULCH CUT AND FILL SLOPES AS CONSTRUCTION PROCEEDS TO EXTENT CONSIDERED DESIRABLE AND PRACTICAL IN THE EVENT IT IS NOT PRACTICAL TO SEED AREAS, SLOPES SHALL BE STABILIZED WITH STRAW MULCH AND TACKIFIER, BONDED FIBER MATRIX, NETTING, BLANKETS OR OTHER MEANS TO REDUCE THE EROSIVE POTENTIAL OF THE AREA.

F. SEED LAWN AREAS BY SOWING EVENLY WITH APPROVED MECHANICAL SEEDER AT RATE OF MINIMUM OF 6 POUNDS PER 1,000 SQUARE FEET. AMOUNT WILL VARY BASED ON VARIETY AND/OR SPECIES. CULTI-PACKER OF APPROVED SIMILAR EQUIPMENT MAY BE USED TO COVER SEED AND TO FORM SEEDBED IN ONE OPERATION. IN AREAS INACCESSIBLE TO CUTI-PACKER LIGHTLY RAKE SEEDED GROUND WITH FLEXIBLE RAKES AD ROLL WITH WATER BALLAST ROLLER, AFTER ROLLING, MULCH WITH STRAW MULCH AT THE RATE OF 2 TONS PER ACRE.

G. SURFACE LAYER OF SOIL FOR SEEDED AREAS SHALL BE KEPT MOIST DURING GERMINATION PERIOD. WATER SEEDED AREAS TWICE FIRST WEEK TO MINIMUM DEPTH OF 6 INCHES WITH FINE SPRAY AND ONCE PER WEEK THEREAFTER AS NECESSARY TO SUPPLEMENT NATURAL RAIN TO EQUIVALENT OF 6 INCHES DEPTH.

H. CONTRACTOR TO REAPPLY SEED AS NECESSARY IN ORDER TO GET ALL SEEDED AREAS ESTABLISHED AS

# 6. LAWN MAINTENANCE:

A. WITHIN THE CONTRACT LIMITS, THE CONTRACTOR SHALL PRODUCE A DENSE, WELL ESTABLISHED LAWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE-SODDING OF ALL ERODED, SUNKEN OR BARE SPOTS LINTIL CERTIFICATION OF ACCEPTABILITY BY THE LANDSCAPE ARCHITECT OR OWNER. REPAIRED SODDING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK (INCLUDING REGRADING IF

B. WATER EVERY DAY FOR TEN (10) SUCCESSIVE DAYS, THEN WATER THREE (3) TIMES PER WEEK (AT EVEN INTERVALS) FOR TWO (2) ADDITIONAL WEEKS. ALL WATERING SHALL BE OF SUFFICIENT QUANTITY O WET OR RESTORE WATER TO DEPTH OF FOUR (4) INCHES. CONTRACTOR TO DETERMINE IF SITE IS IN A DROUGHT RESTRICTION AREA AND MUST FOLLOW CITY/ COUNTY PROTOCOL IF ANY ARE IN PLACE.

T. CLEAN-UP

LIPON COMPLETION OF ALL PLANTING WORK AND REFORE FINAL ACCEPTANCE. THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALI BE BROOM CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

# U. PLANT MATERIAL MAINTENANCE

ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING ULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING GU SUPPORTS) NECESSARY TO INSURE A HEALTHY CONDITION BY THE CONTRACTOR UNTIL CERTIFICATION OF ACCEPTABLITY BY THE LANDSCAPE ARCHITECT OR OWNER MAINTENANCE AFTER THE CERTIFICATION OF ACCEPTABILITY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS IN THIS SECTION. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE TO COVER LANDSCAPE AND IRRIGATION MAINTENANCE FOR A PERIOD OF 90 CALENDAR DAYS COMMENCING AFTER ACCEPTANCE.

1. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE FOR MAINTENANCE FOLLOWING THE INITIAL 90-DAY MAINTENANCE PERIOD ON A COST PER MONTH BASIS.

W. GUARANTEE 1. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE GUARANTEED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR EAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE LANDSCAPE

2. THE LIFE AND SATISFACTORY CONDITION OF ALL OTHER PLANT MATERIAL (INCLUDING SOD) INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE GUARANTEED BY THE CONTRACTOR FOR A MINIMUM OF 90 CALENDAR DAYS, COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE

LANDSCAPE ARCHITECT OR OWNER. 3. REPLACEMENT: ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE GUARANTEE PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED

UNDER "PLANTING", AT NO ADDITIONAL COST TO THE OWNER. 4 IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE (AND IRRIGATION) MAINTENANCE, THE CONTRACTOR IS ENCOURAGED TO VISIT THE PROJECT SITE ERIODICALLY DURING THE ONE YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER, AND SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTH PLANT GROWTH. IT IS SUGGESTED SUCH SITE VISITS SHALL BE CONDUCTED A MINIMUM OF ONCE PER MONTH FOR A PERIOD

# OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE. X. FINAL INSPECTION AND ACCEPTANCE OF WORK

FINAL INSPECTION AT THE END OF THE GUARANTEE PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIME SHALL BE SUBJECT TO THE SAME ONE (1) YEAR GUARANTEE (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED

# PLANT SCHEDULE

SYMBOL	CODE	<u>QTY</u>	BOTANICAL / COMMON NAME	SPECIFICATIONS	REMARKS
TREES					
	QT	23	Quercus texana / Texas Red Oak	4" cal, 12`-14` ht, 5`-6` spr	Full, Straight, Single Leade
	QV	20	Quercus virginiana / Southern Live Oak	4" cal, 12`-14` ht, 5`-6` spr	Full, Straight, Single Leade
	UC	10	Ulmus crassifolia / Cedar Elm	4" cal, 12`-14` ht, 5`-6` spr	Full, Straight, Single Leade
	UP	13	Ulmus parvifolia / Lacebark Elm	4" cal, 12`-14` ht, 5`-6` spr	Full, Straight, Single Leade
ORNAMEN	ITAL TRE	<u>E</u>			
	СТ	23	Cercis canadensis / Eastern Redbud	4" cal, 14` ht, 6` spr	Full, Single Leader
•	СН	24	Chilopsis linearis / Desert Willow	8` ht, 6` spr	Full, Multi-Trunk
	Ю	14	llex decidua / Possumhaw Holly	4" cal, 12` ht, 4` spr	Full, Multi-Trunk
SHRUBS					
Source State of the state of th	ILB	264	llex cornuta `Burfordii` / Burford Holly	36" ht, 30" spr, 42" oc	Full, 5 GAL.
(+)	LEU	111	Leucophyllum frutescens / Texas Sage	36" ht, 24" spr, 48" oc	Full, 5 GAL.
GRASSES					
(+)	NAS	76	Nassella tenuissima / Mexican Feather Grass	18" ht, 24" oc	Full
GROUND (	COVERS				
STANDAGE STANDAGE	ECG	1,741 sf	Eragrostis curvula / Weeping Lovegrass	18" ht, 36" oc	Full
	EUF	1,447	Euonymus fortunei `Coloratus` / Purple-leaf Winter Creeper	8" ht, 8" spr, 18" oc	Full, 1 gallon min.
	LIR	289	Liriope muscari / Liriope	12" ht, 12" spr, 18" oc	Full, 1 gallon min.

NOTE: PLANT QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY. IN THE CASE OF A DISCREPANCY, THE DRAWING SHALL TAKE PRECEDENCE.

NOTE: PLANTS ARE SPECIFIED BY HEIGHT AND SPREAD, NOT CONTAINER SIZE. ALL PLANTINGS ARE EXPECTED TO MEET ALL SPECIFICATIONS PROVIDED.

ANY REVISION TO THIS PLAN WILL REQUIRE CITY OF FRISCO APPROVAL AND WILL REQUIRE REVISIONS TO ANY CORRESPONDING PLANS TO AVOID CONFLICTS BETWEEN

- 1. ALL PLANT MATERIAL SHALL BE INSTALLED ACCORDING TO SOUND NURSERY PRACTICES AND SHALL MEET ALL STANDARDS AS STATED IN THE LATEST EDITION OF "AMERICAN STANDARD FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
- THE EVENT OF DISCREPANCIES BETWEEN THE DRAWING AND THE PLANT LIST, THE DRAWING SHALL PREVAIL
- 3. LOCATE ALL UTILITIES PRIOR TO ANY DIGGING OPERATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO EXISTING
- UTILITIES INCURRED BY HIS WORK. 4. REFERENCE IRRIGATION PLAN FOR BED IRRIGATION INFORMATION.
- 5. STAKING AND GUYING ALTERNATIVES: METHODS INDICATED IN DRAWING DETAILS ARE PREFERRED. CONTRACTOR MAY SUGGEST ALTERNATE METHODS, ASSUMING FULL RESPONSIBILITY FOR THEIR IMPLEMENTATION. CONTRACTOR SHALL REPLACE, PLANT, OR UPRIGHT ANY TREES BLOWN OVER OR DAMAGED DUE TO INADEQUATE STAKING AT NO ADDITIONAL COST TO THE OWNER.
- 6. PLANTS MASSED IN BEDS SHALL BE ARRANGED USING TRIANGULAR SPACING. 7. PROVIDE A STEEL EDGE OR CONCRETE MOW STRIP BETWEEN ALL PLANTING BEDS AND LAWN AREAS. REFERENCE SITE PLAN.
- 8. ALL PLANTING BEDS TO BE TOP DRESSED WITH A MINIMUM OF 3" SHREDDED HARDWOOD MULCH, UNLESS OTHERWISE SPECIFIED
- 9. PROVIDE GRASS SEEDING OR LAY BERMUDA SOD FOR PROPOSED LAWN AREAS TO ALL EDGES OF PAVEMENT AND/ OR LIMITS OF DISTURBANCE OUTSIDE R.O.W. OR PROPOSED LANDSCAPE EASEMENT. PROVIDE IRRIGATION AS NECESSAR\
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL LANDSCAPING UNTIL FINAL ACCEPTANCE. ALL REQUIRED ANDSCAPING SHALL BE MAINTAINED IN A NEAT AND ORDERLY MANNER AT ALL TIMES. THE WORK SHALL INCLUDE, BUT NOT TO BE LIMITED TO MOWING EDGING PRUNING FERTILIZING WATERING WEEDING AND OTHER SUCH ACTIVITIES COMMON TO THE MAINTENANCE OF LANDSCAPING. ALL PLANT MATERIALS SHALL BE MAINTAINED IN A HEALTHY AND GROWING CONDITION AS IS APPROPRIATE FOR THE SEASON OF THE YEAR. PLANT MATERIAL THAT DIES SHALL BE REPLACED WITH THE PLANT MATERIAL OF SIMILAR SIZE AND VARIETY
- 11. CONTRACTOR SHALL WARRANTY PLANT MATERIAL TO REMAIN ALIVE AND HEALTHY FOR A PERIOD OF ONE YEAR AFTER FINAL CCEPTANCE. WARRANTY SHALL NOT INCLUDE DAMAGE FOR LOSS OF PLANT MATERIAL DUE TO NATURAL CAUSES, ACTS OF VANDALISM OR NEGLIGENCE ON THE PART OF THE OWNER.
- 12. ALL DISTURBED AREAS WITHIN LIMITS OF CONSTRUCTION NOT CALLED TO BE SODDED, SHALL BE REESTABLISHED WITH BERMUDA SOD
- 13. ALL LANDSCAPE BEDS TO HAVE TOPSOIL/BEDDING MIX THAT MEETS LANDSCAPE SPECIFICATIONS. INSTALL TO DEPTHS, PER PLANTING DETAILS (12" DEPTH MIN.) FINISHED GRADES OF PLANTING BEDS TO BE 2" BELOW FINISHED GRADE OF ADJACENT PAVING OR AS SHOWN ON 14. ALL SOD AREAS TO RECEIVE 4" DEPTH (MIN) TOPSOIL PRIOR TO INSTALLATION. TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, pH RANGE
- 15. ALL DISTURBED AREAS IN R.O.W. TO BE RE-ESTABLISHED WITH BERMUDA SEED OR SOD AND IRRIGATED UNLESS OTHERWISE SHOWN ON 16. ALL TREES TO BE PLACED A MINIMUM OF 4' FROM ANY UTILITY.

OF 5.5-7.4, AND FREE OF TRASH, DEBRIS, STONES, WEEDS, AND TWIGS/BRANCHES.

CASE NO. SP2025-021

SITE PLAN FOR FUEL CITY - ROCKWALL LOT 2, BLOCK A CORNERSTONE COMMUNITY CHURCH

4.34 ACRES

N. BUTLER SURVEY ABSTRACT NO. 20 City of Rockwall, Rockwall County, Texas Current Zoning: C (Commerical District) Proposed Land Use: Gas Station/ Car Wash Submitted: May 16th, 2025

Architect:	<u>Developer:</u>	Engineer:
Carroll Architects	Fuel City	Kimley—Horn and Associate 225 E. John W Carpenter I
Rockwall, Texas 75087	Dallas, Texas 75207	Suite 1100
Contact: Glennon Langston Phone: 972—732—6085	Contact: Joseph Bickham Phone: 469—203—0159	Irving, Texas 75062 Contact: Jared Earney, P.E
		Phone: 214-420-5600

PRELIMINARY

FOR REVIEW ONLY

P.L.A. NIKOLAUS B. ADAMS

L.A. No. 3404 Date 7/1/2025

FWY.

SITE PLAN SIGNATURE BLOCK

I HEREBY CERTIFY THAT THE ABOVE FOREGOING SITE PLAN FOR DEVELOPMENT IN THE CITY, OF ROCKWALL, TEXAS WAS APPROVED BY THE PLANNING AND ZONING COMISSION OF THE CITY OF ROCKWALL ON THE \_\_\_\_ DAY OF \_\_\_\_, \_\_\_.

WITNESS OUR HANDS, THIS \_\_\_\_ DAY OF \_\_\_\_, \_\_\_\_.

PLANNING & ZONING COMMISSION, CHAIRMAN DIRECTOR OF PLANNING AND ZONING

SHEET NUMBER LP 3.03

SITE LOCATION

VICINITY MAP

AIRPORT

SITE PLAN FOR FUEL CITY - ROCKWALL LOT 2, BLOCK A

CONTRACTOR SHALL NOT REMOVE ANY TREE UNTIL A TREE REMOVAL PERMIT

HAS BEEN OBTAINED FROM THE APPLICABLE CITY AUTHORITY. A FORMAL TREE

REMOVAL PERMIT MUST BE REQUESTED AND APPROVED PRIOR TO ANY TREE

SUCH ACTION. APPROVAL OF THESE PLANS BY THE CITY IS REQUIRED AS PART

RESPONSIBILITY TO ENSURE ALL REQUIRED PERMITS ARE SECURED PRIOR TO

DISTURBANCE OR REMOVAL ACTIVITIES. THESE PLANS DO CONSTITUTE

AUTHORIZATION FOR TREE REMOVAL, NOR DO THEY IMPLY APPROVAL FOR

OF THE TREE REMOVAL PERMITTING PROCESS. IT IS THE CONTRACTOR'S

N. BUTLER SURVEY ABSTRACT NO. 20 City of Rockwall, Rockwall County, Texas Current Zoning: C (Commerical District) Proposed Land Use: Gas Station/ Car Wash

Architect: Carroll Architects Rockwall, Texas 75087 Contact: Glennon Langston Phone: 972-732-6085

Dallas, Texas 75207 Contact: Joseph Bickham

Irving, Texas 75062 Contact: Jared Earney, P.E. Phone: 214-420-5600

CASE NO. SP2025-021

CORNERSTONE COMMUNITY CHURCH 4.34 ACRES

Submitted: May 16th, 2025

COMMENCING WORK.

SITE PLAN SIGNATURE BLOCK

AND ZONING

I HEREBY CERTIFY THAT THE ABOVE FOREGOING SITE PLAN FOR DEVELOPMENT IN

THE CITY, OF ROCKWALL, TEXAS WAS APPROVED BY THE PLANNING AND ZONING COMISSION OF THE CITY OF ROCKWALL ON THE \_\_\_\_ DAY OF \_\_\_\_, \_\_\_\_.

DIRECTOR OF PLANNING

WITNESS OUR HANDS, THIS \_\_\_\_ DAY OF \_\_\_\_, \_\_\_.

PLANNING & ZONING COMMISSION, CHAIRMAN

Carroll Architects Fuel City Kimley—Horn and Associates, Inc. 750 E. Interstate 30, Ste. 110 801 S. Riverfront Boulevard,00 225 E. John W Carpenter FWY, Phone: 469-203-0159

SHEET NUMBER TP 1.01

TO TEMPORARY STORAGE AREA, ONGOING MAINTENANCE AND WATERING DURING CONSTRUCTION, AND RE-PLANTING TO BE PERFORMED UPON COMPLETION OF MAJOR SITE WORK. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE GUIDELINES AND RECOMMENDATIONS SET FORTH IN THE AMERICAN STANDARDS FOR NURSERY STOCK.

TAG# DBH COMMON N	AME SCIENTIFIC NAME	CONDITION	MULTIPLE-STEMMED	PROTECT OR REMOVE	MITIGATION REQUIRED (IN)	8220 5.5	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove		8357
1552 6.2 eastern redo	edar Juniperus virginiana	Healthy (5)	Single	Remove	4	8221 6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove		8358
1553 6.1 eastern redo	edar <i>Juniperus virginiana</i>	Healthy (5)	Single	Remove		8222 24.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Multi	Remove		8359
1554 13.1 eastern redo	edar <i>Juniperus virginiana</i>	Healthy (5)	Multi	Remove	4	8223 5.5	American elm	Ulmus americana	Healthy (5)	Single	Remove	5.5"	8360
1555 8.8 eastern redo	edar <i>Juniperus virginiana</i>	Healthy (5)	Single	Remove		8224 24.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove		8361
1556 6.1 eastern redo		Healthy (5)	Single	Remove		8225 12.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove		8362
1557 8.7 eastern redo		Healthy (5)	Multi	Remove		8226 10.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove		8363
1558 4.5 eastern redo		Healthy (5)	Single	Remove		8227 5.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	1	8364
1559 7.0 eastern red		Healthy (5)	Single	Remove		8228 9.3	eastern redcedar	<del>                                     </del>	- , ,	Forked		<del>-</del>	8365
								Juniperus virginiana	Healthy (5)		Remove		8366
1560 10.6 eastern redo		Healthy (5)	Forked	Remove		8229 6.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove		8367
1561 6.3 eastern redo		Healthy (5)	Single	Remove		8230 5.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8368
1562 6.1 eastern redo		Healthy (5)	Single	Remove		8231 11.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	
1563 6.2 eastern redo	edar <i>Juniperus virginiana</i>	Healthy (5)	Single	Remove		8232 4.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8369
1564 12.4 eastern redo	edar <i>Juniperus virginiana</i>	Healthy (5)	Multi	Remove	4	8233 6.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8370
1565 5.1 eastern redo	edar <i>Juniperus virginiana</i>	Healthy (5)	Single	Remove		8234 10.6	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8371
1566 4.1 eastern redo	edar <i>Juniperus virginiana</i>	Healthy (5)	Single	Remove		8235 12.0	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8372
1567 6.0 eastern redo	edar <i>Juniperus virginiana</i>	Healthy (5)	Single	Remove	4	8236 7.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove		8373
1568 6.2 eastern redo	edar Juniperus virginiana	Healthy (5)	Single	Remove		8237 5.2	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8374
1569 5.1 eastern redo	' '	Healthy (5)	Single	Remove		8238 5.8	American elm	Ulmus americana	Healthy (5)	Single	Remove		8375
1570 6.2 eastern redo		Healthy (5)	Forked	Remove		8239 5.0	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8376
1571 6.3 eastern redo		Healthy (5)	Single	Remove		8240 4.0	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8377
2 1572 5.9 eastern redd		Healthy (5)	Single	Remove			<del>                                     </del>					0	8378
1572 3.9 eastern redd		• • • • • • • • • • • • • • • • • • • •		Remove		8241 9.1	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8379
Ö		Healthy (5)	Single			8242 4.3	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8380
1574 6.7 eastern redo		Healthy (5)	Forked	Remove		8243 22.7	eastern redcedar	Juniperus virginiana	Healthy (5)	Multi	Remove	4	8381
1575 7.1 eastern redo	, ,	Healthy (5)	Single	Remove		8244 7.1	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8382
1576 5.4 eastern redo		Healthy (5)	Single	Remove		8245 14.3	American elm	Ulmus americana	Healthy (5)	Forked	Remove	14.3	8383
1577 9.9 eastern redo		Healthy (5)	Multi	Remove		8246 9.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4	8384
1578 14.4 eastern redo		Healthy (5)	Multi	Remove		8247 7.4	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8385
1579 7.3 eastern redo		Healthy (5)	Forked	Remove		8248 6.5	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4	8386
1580 5.8 eastern redo	, ,	Healthy (5)	Forked	Remove		8249 5.4	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8387
1581 6.4 eastern redo		Healthy (5)	Single	Remove		8250 5.0	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8388
1582 10.0 eastern redo		Healthy (5)	Forked	Remove		8251 5.3	American elm	Ulmus americana	Healthy (5)	Single	Remove	5.3	8389
1583 6.5 eastern redo	edar Juniperus virginiana	Healthy (5)	Single	Remove		8252 5.2	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8390
1584 6.2 eastern redo	edar Juniperus virginiana	Healthy (5)	Forked	Remove	4	8253 4.1	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8391
1585 5.4 eastern redo	edar <i>Juniperus virginiana</i>	Healthy (5)	Single	Remove	4	8254 4.4	hackberry	Celtis laevigata	Healthy (5)	Forked	Remove	0	8392
1586 4.5 eastern redo	edar <i>Juniperus virginiana</i>	Healthy (5)	Multi	Remove	4	8255 6.2	hackberry	Celtis laevigata	Healthy (5)	Multi	Remove	0	8393
1595 8.6 eastern redo		Healthy (5)	Single	Remove		8256 11.8	hackberry	Celtis laevigata	Healthy (5)	Multi	Remove	0	8393
1596 6.4 eastern redo		Healthy (5)	Single	Remove		8257 8.8	hackberry	Celtis laevigata  Celtis laevigata	Healthy (5)	Single	Remove	0	
1597 5.7 eastern redo		Healthy (5)	Single	Remove		8258 6.3	eastern redcedar		Healthy (5)		Remove	0	8395
1598 11.2 eastern redd		Healthy (5)	Multi	Remove		8258 6.3 8259 6.3		Juniperus virginiana		Single			8396
1599 7.3 eastern redd		Healthy (5)	Multi	Remove	4		eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove		8397
1600 6.8 eastern redd	, ,	Healthy (5)	Multi	Remove	+ -	8260 5.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove		8398
1600 6.8 eastern reduced to the seastern reduced to th		Healthy (5)	Single	Remove	A	8261 9.8	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8399
1601 5.0 eastern redu	<u> </u>	- ' '		Remove	4	8262 9.5	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8400
7901 9.3 eastern redo		1602-7900 were n Healthy (5)	Single	Remove		8263 4.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove		
7901 9.3 eastern redd	, ,	Healthy (5)	Single	Remove		8264 6.1	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8451
7902 0.0 eastern red0	, ,	Healthy (5)	Single	Remove		8265 6.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove		8452
7904 6.4 eastern redo		Healthy (5)	Single	Remove		8266 5.1	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8453 8454
7905 10.3 eastern redo		Healthy (5)	Single	Remove		8267 6.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	0	8455
ž	, ,		<del>-</del>			8268 7.5	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	U	8456
7906 14.7 eastern redo	, ,	Healthy (5)	Forked	Remove		8269 5.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	0	8457
7907 8.5 eastern redo	, ,	Healthy (5)	Single	Remove	4	8270 8.2	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	8458
7908 14.3 eastern redd		Healthy (5)	Forked	Remove	4	8271 6.3 8272 8.6	hackberry	Celtis laevigata	Healthy (5)	Single	Remove Remove	0	8459
	edar <i>Juniperus virginiana</i>	Healthy (5)	Single	Remove	4	8272 8.6	hackberry	Celtis laevigata	Healthy (5)	Single		0	8460
7909 6.1 eastern redd	adar luninarua virginiana	Llocithy (E)	Cinale	Domosio	4	0072 50	+	Luninorus virginions		Cinalo	Domovo	1	1 1 0400 1
7910 7.9 eastern redo		Healthy (5)	Single	Remove	4	8273 5.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	0	
7910 7.9 eastern redo	edar Juniperus virginiana	Healthy (5)	Single	Remove	4	8274 17.2	eastern redcedar hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0	
7910 7.9 eastern redo 7911 8.7 eastern redo 7912 5.7 eastern redo	edar <i>Juniperus virginiana</i> edar <i>Juniperus virginiana</i>	Healthy (5) Healthy (5)	Single Single	Remove Remove	4	8274 17.2 8275 10.2	eastern redcedar hackberry hackberry	Celtis laevigata Celtis laevigata	Healthy (5)	Single Single	Remove Remove	0	
7910 7.9 eastern redo 7911 8.7 eastern redo 7912 5.7 eastern redo 7913 16.6 eastern redo	edar Juniperus virginiana edar Juniperus virginiana edar Juniperus virginiana	Healthy (5) Healthy (5) Healthy (5)	Single Single Multi	Remove Remove Remove	4	8274     17.2       8275     10.2       8276     13.8	eastern redcedar hackberry hackberry hackberry	Celtis laevigata Celtis laevigata Celtis laevigata	Healthy (5) Healthy (5) Healthy (5)	Single Single Forked	Remove Remove Remove		
7910 7.9 eastern redo 7911 8.7 eastern redo 7912 5.7 eastern redo 7913 16.6 eastern redo 7914 8.8 eastern redo	edar Juniperus virginiana edar Juniperus virginiana edar Juniperus virginiana edar Juniperus virginiana	Healthy (5) Healthy (5) Healthy (5) Healthy (5)	Single Single Multi Forked	Remove Remove Remove Remove	4	8274     17.2       8275     10.2       8276     13.8       8277     7.8	eastern redcedar hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana	Healthy (5) Healthy (5) Healthy (5) Healthy (5)	Single Single Forked Single	Remove Remove Remove	0	
7910 7.9 eastern redo 7911 8.7 eastern redo 7912 5.7 eastern redo 7913 16.6 eastern redo 7914 8.8 eastern redo 7915 6.7 eastern redo	edar Juniperus virginiana	Healthy (5) Healthy (5) Healthy (5) Healthy (5) Healthy (5)	Single Single Multi Forked Single	Remove Remove Remove Remove Remove	4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9	eastern redcedar hackberry hackberry hackberry eastern redcedar eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana	Healthy (5) Healthy (5) Healthy (5) Healthy (5) Healthy (5)	Single Single Forked Single Single	Remove Remove Remove Remove Remove	0	
7910   7.9   eastern redo   7911   8.7   eastern redo   7912   5.7   eastern redo   7913   16.6   eastern redo   7914   8.8   eastern redo   7915   6.7   eastern redo   7916   6.3   eastern redo	edar Juniperus virginiana	Healthy (5) Healthy (5) Healthy (5) Healthy (5) Healthy (5) Healthy (5)	Single Single Multi Forked Single Single	Remove Remove Remove Remove Remove Remove Remove	4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1	eastern redcedar hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana	Healthy (5) Healthy (5) Healthy (5) Healthy (5) Healthy (5) Healthy (5)	Single Single Forked Single Single Single	Remove Remove Remove Remove Remove Remove Remove	0 0	
7910 7.9 eastern redo 7911 8.7 eastern redo 7912 5.7 eastern redo 7913 16.6 eastern redo 7914 8.8 eastern redo 7915 6.7 eastern redo 7916 6.3 eastern redo 7917 14.2 eastern redo	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi	Remove Remove Remove Remove Remove Remove Remove Remove	4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2	eastern redcedar hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata	Healthy (5)	Single Single Forked Single Single Single Single Single	Remove Remove Remove Remove Remove Remove Remove Remove	0	
7910   7.9   eastern redo   7911   8.7   eastern redo   7911   8.7   eastern redo   7912   5.7   eastern redo   7913   16.6   eastern redo   7914   8.8   eastern redo   7915   6.7   eastern redo   7916   6.3   eastern redo   7917   14.2   eastern redo   7918   8.5   eastern redo   7918   6.5   eastern redo   7918   6.5   eastern redo	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1	eastern redcedar hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata	Healthy (5)	Single Single Forked Single Single Single Single Single Single Single	Remove	0 0	
7910   7.9   eastern redo   7911   8.7   eastern redo   7912   5.7   eastern redo   7913   16.6   eastern redo   7914   8.8   eastern redo   7915   6.7   eastern redo   7916   6.3   eastern redo   7917   14.2   eastern redo   7918   8.5   eastern redo   7919   7.3   eastern redo	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Single	Remove	4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3	eastern redcedar hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata	Healthy (5)	Single Single Forked Single Single Single Single Single Single Single Single	Remove	0 0 0	
7910   7.9   eastern redo   7911   8.7   eastern redo   7911   8.7   eastern redo   7912   5.7   eastern redo   7913   16.6   eastern redo   7914   8.8   eastern redo   7915   6.7   eastern redo   7916   6.3   eastern redo   7917   14.2   eastern redo   7918   8.5   eastern redo   7919   7.3   eastern redo   7920   5.9   eastern redo   7920   6.9   eastern redo	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Single Single Single Single	Remove	4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7	eastern redcedar hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0	
7910   7.9   eastern redo   7911   8.7   eastern redo   7912   5.7   eastern redo   7913   16.6   eastern redo   7914   8.8   eastern redo   7915   6.7   eastern redo   7916   6.3   eastern redo   7917   14.2   eastern redo   7918   8.5   eastern redo   7919   7.3   eastern redo   7920   5.9   eastern redo   7921   6.8   eastern redo	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Single Single Single Single Single Single	Remove	4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1	eastern redcedar hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata	Healthy (5) Declining (1)	Single Single Forked Single	Remove	0 0 0	
7910   7.9   eastern redo   7911   8.7   eastern redo   7912   5.7   eastern redo   7913   16.6   eastern redo   7914   8.8   eastern redo   7915   6.7   eastern redo   7916   6.3   eastern redo   7917   14.2   eastern redo   7918   8.5   eastern redo   7919   7.3   eastern redo   7920   5.9   eastern redo   7921   6.8   eastern redo   7921   6.8   eastern redo   7922   10.2   eastern redo   7922   10.2   eastern redo   7922   10.2   eastern redo   7922   10.2   eastern redo   7923   eastern redo   7924   6.8   eastern redo   7925   6.8   eastern redo   7926   6.8   eastern redo   7927   6.8   eastern redo   7928   6.8   eastern redo	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Single Single Single Single Single Single Single	Remove	4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2	eastern redcedar hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0	
7910 7.9 eastern redo 7911 8.7 eastern redo 7912 5.7 eastern redo 7913 16.6 eastern redo 7914 8.8 eastern redo 7915 6.7 eastern redo 7916 6.3 eastern redo 7917 14.2 eastern redo 7918 8.5 eastern redo 7919 7.3 eastern redo 7920 5.9 eastern redo 7921 6.8 eastern redo 7922 10.2 eastern redo 7923 12.5 eastern redo 7923 12.5 eastern redo	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Single Single Single Single Single Single Single Forked	Remove	4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2	eastern redcedar hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0	
7910   7.9   eastern redormand   7911   8.7   eastern redormand   7912   5.7   eastern redormand   7913   16.6   eastern redormand   7914   8.8   eastern redormand   7915   6.7   eastern redormand   7916   6.3   eastern redormand   7917   14.2   eastern redormand   7918   8.5   eastern redormand   7919   7.3   eastern redormand   7920   5.9   eastern redormand   7921   6.8   eastern redormand   7921   6.8   eastern redormand   7922   10.2   eastern redormand   7923   12.5   eastern redormand   7924   13.5   eastern redormand   7924	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Single Single Single Single Single Single Forked Forked	Remove	4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6	eastern redcedar hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5) Declining (1) Healthy (5) Healthy (5) Healthy (5) Healthy (5) Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0	
7910 7.9 eastern redd 7911 8.7 eastern redd 7912 5.7 eastern redd 7913 16.6 eastern redd 7914 8.8 eastern redd 7915 6.7 eastern redd 7916 6.3 eastern redd 7917 14.2 eastern redd 7918 8.5 eastern redd 7919 7.3 eastern redd 7920 5.9 eastern redd 7921 6.8 eastern redd 7922 10.2 eastern redd 7923 12.5 eastern redd 7924 13.5 eastern redd 7925 8.7 eastern redd 7925 8.7 eastern redd	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Single Single Single Single Single Forked Forked Single	Remove	4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7	eastern redcedar hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0	
7910   7.9   eastern redo   7911   8.7   eastern redo   7911   8.7   eastern redo   7912   5.7   eastern redo   7913   16.6   eastern redo   7914   8.8   eastern redo   7915   6.7   eastern redo   7916   6.3   eastern redo   7917   14.2   eastern redo   7918   8.5   eastern redo   7919   7.3   eastern redo   7920   5.9   eastern redo   7921   6.8   eastern redo   7921   6.8   eastern redo   7922   10.2   eastern redo   7923   12.5   eastern redo   7924   13.5   eastern redo   7925   8.7   eastern redo   7926   7.6   eastern re	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Forked Forked	Remove	4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8289     4.9	eastern redcedar hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar eastern redcedar eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0	
7910   7.9   eastern reddend   7911   8.7   eastern reddend   7912   5.7   eastern reddend   7913   16.6   eastern reddend   7914   8.8   eastern reddend   7915   6.7   eastern reddend   7916   6.3   eastern reddend   7917   14.2   eastern reddend   7918   8.5   eastern reddend   7919   7.3   eastern reddend   7920   5.9   eastern reddend   7921   6.8   eastern reddend   7922   10.2   eastern reddend   7923   12.5   eastern reddend   7924   13.5   eastern reddend   7925   8.7   eastern reddend   7926   7.6   eastern reddend   7927   7.4   eastern red	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Forked Forked Single Single	Remove	4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8	eastern redcedar hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar eastern redcedar eastern redcedar eastern redcedar eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Juniperus virginiana Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0	
7910   7.9   eastern red   7911   8.7   eastern red   7912   5.7   eastern red   7913   16.6   eastern red   7914   8.8   eastern red   7915   6.7   eastern red   7916   6.3   eastern red   7917   14.2   eastern red   7918   8.5   eastern red   7919   7.3   eastern red   7920   5.9   eastern red   7921   6.8   eastern red   7922   10.2   eastern red   7923   12.5   eastern red   7924   13.5   eastern red   7925   8.7   eastern red   7926   7.6   eastern red   7927   7.4   eastern red   7928   5.8   eastern red   7928	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Forked Forked Single Single Single	Remove	4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3	eastern redcedar hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Juniperus virginiana Juniperus virginiana Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0	
7910   7.9   eastern red composition   7911   8.7   eastern red composition   7912   5.7   eastern red composition   7913   16.6   eastern red composition   7914   8.8   eastern red composition   7915   6.7   eastern red composition   7916   6.3   eastern red composition   7917   14.2   eastern red composition   7918   8.5   eastern red composition   7919   7.3   eastern red composition   7920   5.9   eastern red composition   7921   6.8   eastern red composition   7921   6.8   eastern red composition   7922   10.2   eastern red composition   7924   13.5   eastern red composition   7925   8.7   eastern red composition   7926   7.6   eastern red composition   7927   7.4   eastern red composition   7928   5.8   eastern red composition   7929   8.7	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Forked Forked Forked Single Single Single Single	Remove	4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3       8292     7.4	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0	
7910   7.9   eastern red   7911   8.7   eastern red   7912   5.7   eastern red   7913   16.6   eastern red   7914   8.8   eastern red   7915   6.7   eastern red   7916   6.3   eastern red   7917   14.2   eastern red   7918   8.5   eastern red   7919   7.3   eastern red   7920   5.9   eastern red   7921   6.8   eastern red   7922   10.2   eastern red   7923   12.5   eastern red   7924   13.5   eastern red   7925   8.7   eastern red   7926   7.6   eastern red   7927   7.4   eastern red   7928   5.8   eastern red   7929   8.7   e	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Forked Forked Forked Single Single Single Single Single	Remove	4	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3       8292     7.4       8293     12.4	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0	
7910   7.9   eastern red   7911   8.7   eastern red   7912   5.7   eastern red   7913   16.6   eastern red   7914   8.8   eastern red   7915   6.7   eastern red   7916   6.3   eastern red   7917   14.2   eastern red   7918   8.5   eastern red   7919   7.3   eastern red   7920   5.9   eastern red   7921   6.8   eastern red   7921   6.8   eastern red   7922   10.2   eastern red   7923   12.5   eastern red   7924   13.5   eastern red   7925   8.7   eastern red   7926   7.6   eastern red   7927   7.4   eastern red   7928   5.8   eastern red   7929   8.7   eastern red   7930   7.4   eastern red   7931   4.2   chittamwood	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Forked Forked Forked Single Single Single Single Single Single Single	Remove	4.2	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3       8292     7.4       8294     8.3	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0	Kimley-H
7910   7.9   eastern red   7911   8.7   eastern red   7912   5.7   eastern red   7913   16.6   eastern red   7914   8.8   eastern red   7915   6.7   eastern red   7916   6.3   eastern red   7917   14.2   eastern red   7918   8.5   eastern red   7919   7.3   eastern red   7920   5.9   eastern red   7921   6.8   eastern red   7922   10.2   eastern red   7923   12.5   eastern red   7924   13.5   eastern red   7925   8.7   eastern red   7926   7.6   eastern red   7927   7.4   eastern red   7928   5.8   eastern red   7929   8.7   eastern red   7930   7.4   eastern red   7931   4.2   chittamwo   7932   7.1   hackbern   7932   7.1   hackbern   7932   7.1   hackbern   7933   7.1   hackbern   7934   7.1   mackbern   7936   7.1   mackbern   7937   7.1   mackbern   7938	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single Single Single Single Single Single Single Single Single Forked Forked Forked Single	Remove	4.2	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3       8292     7.4       8293     12.4       8294     8.3       8295     12.2	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0	
7910   7.9   eastern red composed   7911   8.7   eastern red composed   7912   5.7   eastern red composed   7913   16.6   eastern red composed   7914   8.8   eastern red composed   7915   6.7   eastern red composed   7916   6.3   eastern red composed   7917   14.2   eastern red composed   7918   8.5   eastern red composed   7919   7.3   eastern red composed   7920   5.9   eastern red composed   7921   6.8   eastern red composed   7921   6.8   eastern red composed   7922   10.2   eastern red composed   7923   12.5   eastern red composed   7924   13.5   eastern red composed   7925   8.7   eastern red composed   7926   7.6   eastern red composed   7927   7.4   eastern red composed   7928   5.8   eastern red composed   7929   8.7   eastern red composed   7930   7.4   eastern red composed   7931   4.2   chittamwood   7932   7.1   hackbern   7933   9.8   eastern red composed   7933   9	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove		8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3       8292     7.4       8293     12.4       8294     8.3       8295     12.2       8296     7.9	eastern redcedar hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0	Kimley-H
7910   7.9   eastern red composition   7911   8.7   eastern red composition   7912   5.7   eastern red composition   7913   16.6   eastern red composition   7914   8.8   eastern red composition   7915   6.7   eastern red composition   7916   6.3   eastern red composition   7917   14.2   eastern red composition   7918   8.5   eastern red composition   7919   7.3   eastern red composition   7920   5.9   eastern red composition   7921   6.8   eastern red composition   7921   6.8   eastern red composition   7922   10.2   eastern red composition   7924   13.5   eastern red composition   7925   8.7   eastern red composition   7926   7.6   eastern red composition   7927   7.4   eastern red composition   7928   5.8   eastern red composition   7929   8.7   eastern red composition   7930   7.4   eastern red composition   7931   4.2   chittamwood   7933   9.8   eastern red composition   7933   9.8   eastern red composition   7934   14.2   eastern red composition   7935   eastern red composition   7935   eastern red composition   7936   eastern red	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove		8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3       8292     7.4       8293     12.4       8294     8.3       8295     12.2       8296     7.9       8297     4.6	eastern redcedar hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0	
7910   7.9   eastern red composed   7911   8.7   eastern red composed   7912   5.7   eastern red composed   7913   16.6   eastern red composed   7914   8.8   eastern red composed   7915   6.7   eastern red composed   7916   6.3   eastern red composed   7917   14.2   eastern red composed   7918   8.5   eastern red composed   7919   7.3   eastern red composed   7920   5.9   eastern red composed   7921   6.8   eastern red composed   7922   10.2   eastern red composed   7923   12.5   eastern red composed   7924   13.5   eastern red composed   7925   8.7   eastern red composed   7926   7.6   eastern red composed   7927   7.4   eastern red composed   7928   5.8   eastern red composed   7929   8.7   eastern red composed   7929   8.7   eastern red composed   7930   7.4   eastern red composed   7931   4.2   chittamword   7932   7.1   hackbern   7933   9.8   eastern red composed   7934   14.2   eastern red composed   7935   8.9   eastern red composed   7935	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove		8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3       8292     7.4       8293     12.4       8294     8.3       8295     12.2       8296     7.9       8297     4.6       8298     7.1	eastern redcedar hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5) Declining (1) Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0	Kimley-H
7910   7.9   eastern red composed   7911   8.7   eastern red composed   7912   5.7   eastern red composed   7913   16.6   eastern red composed   7914   8.8   eastern red composed   7915   6.7   eastern red composed   7916   6.3   eastern red composed   7917   14.2   eastern red composed   7918   8.5   eastern red composed   7919   7.3   eastern red composed   7920   5.9   eastern red composed   7921   6.8   eastern red composed   7921   6.8   eastern red composed   7921   6.8   eastern red composed   7922   10.2   eastern red composed   7924   13.5   eastern red composed   7925   8.7   eastern red composed   7926   7.6   eastern red composed   7927   7.4   eastern red composed   7928   5.8   eastern red composed   7930   7.4   eastern red composed   7931   4.2   chittamwood   7931   4.2   chittamwood   7933   9.8   eastern red composed   7934   14.2   eastern red composed   7935   8.9   eastern red composed   7936   16.8	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0	8274     17.2       8275     10.2       8276     13.8       8277     7.8       8278     5.9       8279     5.1       8280     4.2       8281     5.1       8282     4.3       8283     4.7       8284     12.1       8285     5.2       8286     6.2       8287     12.6       8288     6.7       8289     4.9       8290     16.8       8291     11.3       8292     7.4       8293     12.4       8294     8.3       8295     12.2       8296     7.9       8297     4.6       8298     7.1       8299     8.8	eastern redcedar hackberry hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry eastern redcedar hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0	Kimley-H
7910   7.9   eastern red composed   7911   8.7   eastern red composed   7912   5.7   eastern red composed   7913   16.6   eastern red composed   7914   8.8   eastern red composed   7915   6.7   eastern red composed   7916   6.3   eastern red composed   7917   14.2   eastern red composed   7918   8.5   eastern red composed   7919   7.3   eastern red composed   7920   5.9   eastern red composed   7921   6.8   eastern red composed   7922   10.2   eastern red composed   7923   12.5   eastern red composed   7924   13.5   eastern red composed   7925   8.7   eastern red composed   7926   7.6   eastern red composed   7927   7.4   eastern red composed   7928   5.8   eastern red composed   7929   8.7   eastern red composed   7930   7.4   eastern red composed   7931   4.2   chittamword   7931   4.2   chittamword   7931   4.2   eastern red composed   7934   14.2   eastern red composed   7936   16.8   eastern red composed   7936   16.8   eastern red composed   7937   7.5   eastern red composed   79	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove		8274       17.2         8275       10.2         8276       13.8         8277       7.8         8278       5.9         8279       5.1         8280       4.2         8281       5.1         8282       4.3         8283       4.7         8284       12.1         8285       5.2         8286       6.2         8287       12.6         8288       6.7         8289       4.9         8290       16.8         8291       11.3         8292       7.4         8293       12.4         8294       8.3         8295       12.2         8296       7.9         8297       4.6         8298       7.1         8299       8.8         8300       5.2	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0	SITE PL APPRO\ I HEREE
7910   7.9   eastern red composed   7911   8.7   eastern red composed   7912   5.7   eastern red composed   7913   16.6   eastern red composed   7914   8.8   eastern red composed   7915   6.7   eastern red composed   7916   6.3   eastern red composed   7917   14.2   eastern red composed   7918   8.5   eastern red composed   7919   7.3   eastern red composed   7920   5.9   eastern red composed   7921   6.8   eastern red composed   7921   6.8   eastern red composed   7922   10.2   eastern red composed   7923   12.5   eastern red composed   7924   13.5   eastern red composed   7925   8.7   eastern red composed   7926   7.6   eastern red composed   7927   7.4   eastern red composed   7928   5.8   eastern red composed   7930   7.4   eastern red composed   7931   4.2   chittamword   7932   7.1   hackberrow   7933   9.8   eastern red composed   7935   8.9   eastern red composed   7936   16.8   eastern red composed   7937   7.5   hackberrow   7938   5.8   eastern red composed   7938   6.8   eastern red composed   7937   7.5   hackberrow   7938   5.8   eastern red composed   7938   6.8   eastern red composed   7937   7.5   hackberrow   7938   5.8   eastern red composed   7938   6.8   eastern red composed   7938	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0	8274       17.2         8275       10.2         8276       13.8         8277       7.8         8278       5.9         8279       5.1         8280       4.2         8281       5.1         8282       4.3         8283       4.7         8284       12.1         8285       5.2         8286       6.2         8287       12.6         8288       6.7         8289       4.9         8290       16.8         8291       11.3         8292       7.4         8293       12.4         8294       8.3         8295       12.2         8296       7.9         8297       4.6         8298       7.1         8299       8.8	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0	Kimley-H
7910   7.9   eastern red compound of the proposed of the pro	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0	8274       17.2         8275       10.2         8276       13.8         8277       7.8         8278       5.9         8279       5.1         8280       4.2         8281       5.1         8282       4.3         8283       4.7         8284       12.1         8285       5.2         8286       6.2         8287       12.6         8288       6.7         8289       4.9         8290       16.8         8291       11.3         8292       7.4         8293       12.4         8294       8.3         8295       12.2         8296       7.9         8297       4.6         8298       7.1         8299       8.8         8300       5.2	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0	SITE PL APPRONI HEREE THE CIT COMISSI
7910   7.9   eastern red composed   7911   8.7   eastern red composed   7912   5.7   eastern red composed   7913   16.6   eastern red composed   7914   8.8   eastern red composed   7915   6.7   eastern red composed   7916   6.3   eastern red composed   7917   14.2   eastern red composed   7918   8.5   eastern red composed   7919   7.3   eastern red composed   7920   5.9   eastern red composed   7921   6.8   eastern red composed   7921   6.8   eastern red composed   7922   10.2   eastern red composed   7923   12.5   eastern red composed   7924   13.5   eastern red composed   7925   8.7   eastern red composed   7926   7.6   eastern red composed   7927   7.4   eastern red composed   7928   5.8   eastern red composed   7930   7.4   eastern red composed   7931   4.2   chittamword   7932   7.1   hackberrow   7933   9.8   eastern red composed   7935   8.9   eastern red composed   7936   16.8   eastern red composed   7937   7.5   hackberrow   7938   5.8   eastern red composed   7938   6.8   eastern red composed   7937   7.5   hackberrow   7938   5.8   eastern red composed   7938   6.8   eastern red composed   7937   7.5   hackberrow   7938   5.8   eastern red composed   7938   6.8   eastern red composed   7938	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0	8274       17.2         8275       10.2         8276       13.8         8277       7.8         8278       5.9         8279       5.1         8280       4.2         8281       5.1         8282       4.3         8283       4.7         8284       12.1         8285       5.2         8286       6.2         8287       12.6         8288       6.7         8289       4.9         8290       16.8         8291       11.3         8292       7.4         8293       12.4         8294       8.3         8295       12.2         8296       7.9         8297       4.6         8298       7.1         8299       8.8         8300       5.2         8301       5.9	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0	SITE PL APPROVI HEREE THE CIT COMISSI
7910   7.9   eastern red compound of the proposed of the pro	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0	Kimley-H  Kimley-H  SITE PL  APPRON I HEREE THE CIT COMISSI WITNESS
7910   7.9   eastern red composed to the proposed of the pro	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0	8274       17.2         8275       10.2         8276       13.8         8277       7.8         8278       5.9         8279       5.1         8280       4.2         8281       5.1         8282       4.3         8283       4.7         8284       12.1         8285       5.2         8286       6.2         8287       12.6         8288       6.7         8289       4.9         8290       16.8         8291       11.3         8292       7.4         8293       12.4         8294       8.3         8295       12.2         8296       7.9         8297       4.6         8298       7.1         8299       8.8         8300       5.2         8301       5.9         8302       5.7         8303       6.0	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0	Kimley-H  Kimley-H  SITE PL  APPROVI  HEREE  THE CIT  COMISSI  WITNESS
7910   7.9   eastern red composed   7911   8.7   eastern red composed   7912   5.7   eastern red composed   7913   16.6   eastern red composed   7914   8.8   eastern red composed   7915   6.7   eastern red composed   7916   6.3   eastern red composed   7917   14.2   eastern red composed   7918   8.5   eastern red composed   7919   7.3   eastern red composed   7920   5.9   eastern red composed   7921   6.8   eastern red composed   7922   10.2   eastern red composed   7923   12.5   eastern red composed   7924   13.5   eastern red composed   7925   8.7   eastern red composed   7926   7.6   eastern red composed   7927   7.4   eastern red composed   7928   5.8   eastern red composed   7929   8.7   eastern red composed   7930   7.4   eastern red composed   7931   4.2   chittamword   7932   7.1   hackbern   7933   9.8   eastern red composed   7936   16.8   eastern red composed   7937   7.5   hackbern   7938   5.8   eastern red composed   7939   6.7   eastern red composed   7939   6.7   eastern red composed   7939   6.7   eastern red composed   7930   7.4   eastern red composed   7931   4.2   eastern red composed   7935   8.9   eastern red composed   7936   16.8   eastern red composed   7937   7.5   hackbern   7938   5.8   eastern red composed   7936   16.8   eastern red composed   7937   7.5   hackbern   7938   5.8   eastern red composed   7936   6.8   eastern red composed   7937   7.5   hackbern   7938   5.8   eastern red composed   7937   7.5   hackbern   7938   5.8   eastern red composed   7938   5.8   eastern red composed   7936   6.8   eastern red composed   7937   7.5   hackbern   7938   5.8   eastern red composed   7938   6.7   eastern red composed   7938   6.7   eastern red composed   7938   6.7   eastern red comp	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0	8274       17.2         8275       10.2         8276       13.8         8277       7.8         8278       5.9         8279       5.1         8280       4.2         8281       5.1         8282       4.3         8283       4.7         8284       12.1         8285       5.2         8286       6.2         8287       12.6         8288       6.7         8289       4.9         8290       16.8         8291       11.3         8292       7.4         8293       12.4         8294       8.3         8295       12.2         8296       7.9         8297       4.6         8298       7.1         8299       8.8         8300       5.2         8301       5.9         8302       5.7         8303       6.0         8304       19.1	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0	Kimley-H
7910   7.9   eastern red composed   7911   8.7   eastern red composed   7912   5.7   eastern red composed   7913   16.6   eastern red composed   7914   8.8   eastern red composed   7915   6.7   eastern red composed   7916   6.3   eastern red composed   7917   14.2   eastern red composed   7918   8.5   eastern red composed   7919   7.3   eastern red composed   7920   5.9   eastern red composed   7921   6.8   eastern red composed   7922   10.2   eastern red composed   7924   13.5   eastern red composed   7925   8.7   eastern red composed   7926   7.6   eastern red composed   7927   7.4   eastern red composed   7928   5.8   eastern red composed   7929   8.7   eastern red composed   7929   8.7   eastern red composed   7930   7.4   eastern red composed   7931   4.2   chittamword   7931   4.2   chittamword   7933   9.8   eastern red composed   7934   14.2   eastern red composed   7935   8.9   eastern red composed   7936   16.8   eastern red composed   7937   7.5   hackbern   7938   5.8   eastern red composed   7939   6.7   eastern red composed   7930   7.5   hackbern   7930   6.7   eastern red composed   7931   8.1   hackbern   7942   6.0   eastern red composed   7941   8.1   hackbern   7942   6.0   eastern red composed   7942   6.0   eas	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0	Kimley-H
7910   7.9   eastern red composition   7911   8.7   eastern red composition   7912   5.7   eastern red composition   7913   16.6   eastern red composition   7914   8.8   eastern red composition   7915   6.7   eastern red composition   7916   6.3   eastern red composition   7917   14.2   eastern red composition   7918   8.5   eastern red composition   7919   7.3   eastern red composition   7920   5.9   eastern red composition   7921   6.8   eastern red composition   7922   10.2   eastern red composition   7923   12.5   eastern red composition   7924   13.5   eastern red composition   7925   8.7   eastern red composition   7926   7.6   eastern red composition   7927   7.4   eastern red composition   7928   5.8   eastern red composition   7929   8.7   eastern red composition   7929   8.7   eastern red composition   7930   7.4   eastern red composition   7931   4.2   chittamword   7932   7.1   hackbern   7933   9.8   eastern red composition   7934   14.2   eastern red composition   7935   8.9   eastern red composition   7936   16.8   eastern red composition   7937   7.5   hackbern   7938   5.8   eastern red composition   7939   6.7   eastern red composition   7940   6.8   eastern red composition   7941   8.1   hackbern   7942   6.0   eastern red composition   7943   7.4   eastern red composition   7944   8.1   hackbern   7945   6.0   eastern red composition   7946   6.0   eastern red composition   7947   6.0   eastern red composition   7948   7.4   eastern red composition   7949   6.0   eastern red composition   7940   6.0   eastern red composition   794	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 0 0 0 0 0 0 0</td> <td>Kimley-H</td>	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0	Kimley-H
7910   7.9   eastern red composed   7911   8.7   eastern red composed   7912   5.7   eastern red composed   7913   16.6   eastern red composed   7914   8.8   eastern red composed   7915   6.7   eastern red composed   7916   6.3   eastern red composed   7917   14.2   eastern red composed   7918   8.5   eastern red composed   7919   7.3   eastern red composed   7920   5.9   eastern red composed   7921   6.8   eastern red composed   7922   10.2   eastern red composed   7923   12.5   eastern red composed   7924   13.5   eastern red composed   7925   8.7   eastern red composed   7926   7.6   eastern red composed   7927   7.4   eastern red composed   7928   5.8   eastern red composed   7929   8.7   eastern red composed   7929   8.7   eastern red composed   7930   7.4   eastern red composed   7931   4.2   chittamwood   7931   4.2   chittamwood   7934   14.2   eastern red composed   7935   8.9   eastern red composed   7936   16.8   eastern red composed   7937   7.5   hackbern   7938   5.8   eastern red composed   7937   7.5   hackbern   7938   5.8   eastern red composed   7940   6.8   eastern red composed   7941   8.1   hackbern   7942   6.0   eastern red composed   7944   6.9   eastern red composed   794	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         7.1 <td>eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 0 0 0 0 0 0 0</td> <td>Kimley-H</td>	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0	Kimley-H
7910   7.9   eastern red composed   7911   8.7   eastern red composed   7912   5.7   eastern red composed   7913   16.6   eastern red composed   7914   8.8   eastern red composed   7915   6.7   eastern red composed   7916   6.3   eastern red composed   7917   14.2   eastern red composed   7918   8.5   eastern red composed   7919   7.3   eastern red composed   7920   5.9   eastern red composed   7921   6.8   eastern red composed   7921   6.8   eastern red composed   7922   10.2   eastern red composed   7923   12.5   eastern red composed   7924   13.5   eastern red composed   7925   8.7   eastern red composed   7926   7.6   eastern red composed   7927   7.4   eastern red composed   7928   5.8   eastern red composed   7929   8.7   eastern red composed   7929   8.7   eastern red composed   7930   7.4   eastern red composed   7931   4.2   chittamwood   7932   7.1   hackbern   7933   9.8   eastern red composed   7936   16.8   eastern red composed   7937   7.5   hackbern   7938   5.8   eastern red composed   7938   5.8   eastern red composed   7939   6.7   eastern red composed   7930   7.5   hackbern   7930   7.5   hackbern   7930   6.7   eastern red composed   7930   6.7   eastern red composed   7930   7.5   eastern red composed   7930   6.7   eastern red composed   7940   6.8   eastern red composed   7940   6.8   eastern red composed   7940   6.8   eastern red composed   7940   6.9   eastern red composed   7940	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 0 0 0 0 0 0 0</td> <td>Kimley-H</td>	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0	Kimley-H
7910   7.9   eastern red composed   7911   8.7   eastern red composed   7912   5.7   eastern red composed   7913   16.6   eastern red composed   7914   8.8   eastern red composed   7915   6.7   eastern red composed   7916   6.3   eastern red composed   7917   14.2   eastern red composed   7918   8.5   eastern red composed   7920   5.9   eastern red composed   7920   5.9   eastern red composed   7921   6.8   eastern red composed   7922   10.2   eastern red composed   7924   13.5   eastern red composed   7925   8.7   eastern red composed   7926   7.6   eastern red composed   7927   7.4   eastern red composed   7928   5.8   eastern red composed   7929   8.7   eastern red composed   7931   4.2   chittamwood   7931   4.2   chittamwood   7931   4.2   eastern red composed   7934   14.2   eastern red composed   7935   8.9   eastern red composed   7936   16.8   eastern red composed   7937   7.5   hackbern   7938   5.8   eastern red composed   7939   6.7   eastern red composed   7940   6.8   eastern red composed   7941   8.1   hackbern   7942   6.0   eastern red composed   7943   7.4   eastern red composed   7945   6.4   eastern red composed   7945   6.4   eastern red composed   7946   8.5   eastern red com	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 0 0 0 0 0 0 0 4 4 4 4 4</td> <td>Kimley-H  Kimley-H  SITE PL  APPRON I HEREE THE CIT COMISSI WITNESS</td>	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0 4 4 4 4 4	Kimley-H  Kimley-H  SITE PL  APPRON I HEREE THE CIT COMISSI WITNESS
7910   7.9   eastern red composed   7911   8.7   eastern red composed   7912   5.7   eastern red composed   7913   16.6   eastern red composed   7914   8.8   eastern red composed   7915   6.7   eastern red composed   7916   6.3   eastern red composed   7917   14.2   eastern red composed   7918   8.5   eastern red composed   7920   5.9   eastern red composed   7921   6.8   eastern red composed   7922   10.2   eastern red composed   7923   12.5   eastern red composed   7924   13.5   eastern red composed   7925   8.7   eastern red composed   7926   7.6   eastern red composed   7927   7.4   eastern red composed   7928   5.8   eastern red composed   7929   8.7   eastern red composed   7930   7.4   eastern red composed   7931   4.2   chittamword   7932   7.1   hackbern red composed   7934   14.2   eastern red composed   7935   8.9   eastern red composed   7936   16.8   eastern red composed   7937   7.5   hackbern red composed   7938   5.8   eastern red composed   7939   6.7   eastern red composed   7940   6.8   eastern red composed   7940   6.8   eastern red composed   7940   6.8   eastern red composed   7941   8.1   hackbern red composed   7942   6.0   eastern red composed   7943   7.4   eastern red composed   7945   6.4   eastern red composed   7946   8.5   eastern red composed   7947   6.1   eastern red co	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 0 0 0 0 0 0 0 4 4 4 4 4</td> <td>Kimley-H</td>	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0 4 4 4 4 4	Kimley-H
Total   Tota	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 0 0 0 0 0 0 0 4 4 4 4 4</td> <td>Kimley-H</td>	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0 4 4 4 4 4	Kimley-H
7910   7.9   eastern red composed   7911   8.7   eastern red composed   7912   5.7   eastern red composed   7913   16.6   eastern red composed   7914   8.8   eastern red composed   7915   6.7   eastern red composed   7916   6.3   eastern red composed   7917   14.2   eastern red composed   7918   8.5   eastern red composed   7920   5.9   eastern red composed   7921   6.8   eastern red composed   7922   10.2   eastern red composed   7924   13.5   eastern red composed   7925   8.7   eastern red composed   7926   7.6   eastern red composed   7927   7.4   eastern red composed   7928   5.8   eastern red composed   7929   8.7   eastern red composed   7930   7.4   eastern red composed   7931   4.2   chittamword   7932   7.1   hackbern red composed   7934   14.2   eastern red composed   7936   16.8   eastern red composed   7937   7.5   hackbern red composed   7938   5.8   eastern red composed   7939   6.7   eastern red composed   7940   6.8   eastern red composed   7941   8.1   hackbern red composed   7942   6.0   eastern red composed   7943   7.4   eastern red composed   7944   6.9   eastern red composed   7945   6.4   eastern red composed   7946   8.5   eastern red composed   7947   6.1   eastern red composed   7948   6.5   eastern red composed   7949   8.3   eastern red com	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Kimley-H</td>	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0 4 4 4 4 4 4	Kimley-H
7910   7.9   eastern red composed   7911   8.7   eastern red composed   7912   5.7   eastern red composed   7913   16.6   eastern red composed   7914   8.8   eastern red composed   7915   6.7   eastern red composed   7916   6.3   eastern red composed   7917   14.2   eastern red composed   7918   8.5   eastern red composed   7920   5.9   eastern red composed   7921   6.8   eastern red composed   7922   10.2   eastern red composed   7924   13.5   eastern red composed   7925   8.7   eastern red composed   7926   7.6   eastern red composed   7927   7.4   eastern red composed   7928   5.8   eastern red composed   7929   8.7   eastern red composed   7930   7.4   eastern red composed   7931   4.2   chittamword   7932   7.1   hackbern red composed   7934   14.2   eastern red composed   7936   16.8   eastern red composed   7937   7.5   hackbern red composed   7938   5.8   eastern red composed   7939   6.7   eastern red composed   7940   6.8   eastern red composed   7941   8.1   hackbern red composed   7942   6.0   eastern red composed   7943   7.4   eastern red composed   7944   6.9   eastern red composed   7945   6.4   eastern red composed   7946   8.5   eastern red composed   7947   6.1   eastern red composed   7948   6.5   eastern red composed   7949   8.3   eastern red com	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 0 0 0 0 0 0 0 4 4 4 4 4 4 4 4 4</td> <td>Kimley-H</td>	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0 4 4 4 4 4 4 4 4 4	Kimley-H
7910   7.9   eastern redoity   7911   8.7   eastern redoity   7912   5.7   eastern redoity   7913   16.6   eastern redoity   7914   8.8   eastern redoity   7915   6.7   eastern redoity   7916   6.3   eastern redoity   7917   14.2   eastern redoity   7918   8.5   eastern redoity   7919   7.3   eastern redoity   7920   5.9   eastern redoity   7921   6.8   eastern redoity   7922   10.2   eastern redoity   7924   13.5   eastern redoity   7925   8.7   eastern redoity   7926   7.6   eastern redoity   7927   7.4   eastern redoity   7929   8.7   eastern redoity   7929   8.7   eastern redoity   7930   7.4   eastern redoity   7931   4.2   chittamword   7931   4.2   chittamword   7931   4.2   chittamword   7931   4.2   eastern redoity   7935   8.9   eastern redoity   7936   16.8   eastern redoity   7937   7.5   hackbern   7938   5.8   eastern redoity   7939   6.7   eastern redoity   7940   6.8   eastern redoity   7941   8.1   hackbern   7942   6.0   eastern redoity   7945   6.4   eastern redoity   7946   8.5   eastern redoity   7947   6.1   eastern redoity   7949   8.3   easter	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         7.1 <td>eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 0 0 0 0 0 0 0 4 4 4 4 4 4 4 4</td> <td>Kimley-H</td>	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0 4 4 4 4 4 4 4 4	Kimley-H
Total	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 0 0 0 0 0 0 0 4 4 4 4 4 4 4 4</td> <td>Kimley-H</td>	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0 4 4 4 4 4 4 4 4	Kimley-H
Total   Tota	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 0 0 0 0 0 0 0 4 4 4 4 4 4 4 4</td> <td>Kimley-H</td>	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0 4 4 4 4 4 4 4 4	Kimley-H
Total   Tota	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Kimley-H</td>	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0 4 4 4 4 4 4	Kimley-H
Total   Tota	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Kimley-H</td>	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0 4 4 4 4 4 4	Kimley-H
Total	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         4.5 <td>eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Kimley-H</td>	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0 4 4 4 4 4 4	Kimley-H
Total   Tota	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single Single Multi Single	Remove	0	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Kimley-H</td>	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0 4 4 4 4 4 4	Kimley-H
Total	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single	Remove	0	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         7.1 <td>eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Kimley-H</td>	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0 4 4 4 4 4 4	Kimley-H
Total   Tota	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single	Remove	0	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Kimley-H</td>	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0 4 4 4 4 4 4	Kimley-H
Total   Tota	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single	Remove	0	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0           8307         9.0 <td>eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Kimley-H</td>	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0 4 4 4 4 4 4	Kimley-H
Total   Tota	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single	Remove	0	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Kimley-H</td>	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0 4 4 4 4 4 4	Kimley-H
Total   Tota	edar Juniperus virginiana	Healthy (5)	Single Single Multi Forked Single	Remove	0	8274         17.2           8275         10.2           8276         13.8           8277         7.8           8278         5.9           8279         5.1           8280         4.2           8281         5.1           8282         4.3           8283         4.7           8284         12.1           8285         5.2           8286         6.2           8287         12.6           8288         6.7           8289         4.9           8290         16.8           8291         11.3           8292         7.4           8293         12.4           8294         8.3           8295         12.2           8296         7.9           8297         4.6           8298         7.1           8299         8.8           8300         5.2           8301         5.9           8302         5.7           8303         6.0           8304         19.1           8305         7.1           8306         14.0 <td>eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar eastern redcedar</td> <td>Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana Juniperus virginiana</td> <td>Healthy (5) Healthy (5)</td> <td>Single Single Forked Single Single</td> <td>Remove Remove Remove</td> <td>0 0 0 0 0 0 0 0 0 0 4 4 4 4 4 4</td> <td>Kimley-H</td>	eastern redcedar hackberry hackberry eastern redcedar eastern redcedar eastern redcedar hackberry hackberry hackberry hackberry hackberry hackberry hackberry eastern redcedar	Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Juniperus virginiana Juniperus virginiana Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Celtis laevigata Juniperus virginiana Celtis laevigata Juniperus virginiana	Healthy (5)	Single Single Forked Single	Remove	0 0 0 0 0 0 0 0 0 0 4 4 4 4 4 4	Kimley-H

				• ` '	•		1
8358	7.6	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
8359	6.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	
8360	6.0	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	
8361	10.8	hackberry	Celtis laevigata	Healthy (5)	Forked	Remove	0
8362	4.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	
8363	7.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	
8364	4.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	
8365	5.6	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	
8366	6.0	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	<del>                                     </del>
8367	7.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	
				- , ,			
8368	6.5	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	
8369	7.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	
8370	4.8	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0
8371	7.0	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	
8372	6.1	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0
8373	7.3	hackberry	Celtis laevigata	Healthy (5)	Single	Remove	0
8374	12.2	hackberry	Celtis laevigata	Declining (1)	Single	Remove	0
8375	18.6	hackberry	Celtis laevigata	Healthy (5)	Forked	Remove	0
8376	9.9	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
8377	5.9	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	
8378	3.6	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.6
8379	3.1	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.1
8380	3.1	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.1
8381	3.9	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.9
8382	4.2	live oak	Quercus virginiana	Healthy (5)	Single	Remove	4.2
8383	3.3	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.3
8384	4.4			Healthy (5)	-		4.4
		live oak	Quercus virginiana	• ` '	Single	Remove	
8385	2.6	live oak	Quercus virginiana	Healthy (5)	Single	Remove	2.6
8386	3.1	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.1
8387	2.9	live oak	Quercus virginiana	Healthy (5)	Single	Remove	2.9
8388	3.8	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.8
8389	4.2	live oak	Quercus virginiana	Healthy (5)	Single	Remove	4.2
8390	3.9	live oak	Quercus virginiana	Healthy (5)	Single	Remove	3.9
8391	4.1	live oak	Quercus virginiana	Healthy (5)	Single	Remove	4.1
8392	6.2	live oak	Quercus virginiana	Healthy (5)	Forked	Remove	6.2
8393	4.1	live oak	Quercus virginiana	Healthy (5)	Single	Remove	
8394	4.3	live oak	Quercus virginiana	Healthy (5)	Single	Remove	
8395	5.1	live oak	Quercus virginiana	Healthy (5)	Forked	Remove	
8396	11.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	
8397	14.6	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	
8398	7.6	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	<del> </del>
8399	8.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	<del> </del>
8400	7.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	<del> </del>
3 100	'	Sustain redocted		401-8450 were no	· · · · · · · · · · · · · · · · · · ·	I TOTIOVE	+
8451	6.4	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	+
8452	6.4		, , , , , , , , , , , , , , , , , , ,	• , ,			<del> </del>
		eastern redeedar	Juniperus virginiana	Healthy (5)	Single	Remove	
8453	6.5	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	<del> </del>
8454	7.1	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	<u> </u>
8455	6.2	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	<u> </u>
8456	8.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	4
8457	15.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	
8458	11.3	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	
8459	9.6	eastern redcedar	Juniperus virginiana	Healthy (5)	Forked	Remove	
8460	9.8	eastern redcedar	Juniperus virginiana	Healthy (5)	Single	Remove	4
Kimlev-	Horn red	tag series: 1551-1601.	, 7901-7950, 8201-8400,	and 8451-8460. Tro	ees measuring 4-		•
		<u> </u>	,		• • • • • •		
			NOTE:				
			II HOIL.				

Remove

6.3 eastern redcedar *Juniperus virginiana* Healthy (5)

CONTRACTOR SHALL NOT REMOVE ANY TREE UNTIL A TREE REMOVAL PERMIT HAS BEEN OBTAINED FROM THE APPLICABLE CITY AUTHORITY. A FORMAL TREE REMOVAL PERMIT MUST BE REQUESTED AND APPROVED PRIOR TO ANY TREE DISTURBANCE OR REMOVAL ACTIVITIES. THESE PLANS DO CONSTITUTE AUTHORIZATION FOR TREE REMOVAL, NOR DO THEY IMPLY APPROVAL FOR SUCH ACTION. APPROVAL OF THESE PLANS BY THE CITY IS REQUIRED AS PART OF THE TREE REMOVAL PERMITTING PROCESS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL REQUIRED PERMITS ARE SECURED PRIOR TO COMMENCING WORK.

Code Required MAX of 20% to	the Tree Fund	TREE MITIGATION	
Total Mitigation Required	228.2	Total Mitigation Required	228.2
Total Mitigation to be paid (20%)	45.64	Total Provided Inches 31-Canopy	124
Total Mitigation Cost	\$9,128.00	Trees at 4"Cal.	124
Total Required Inches to be planted	182.56	Total Mitigation Needed	104.2
		Total Mitigation Cost	\$20,840.00

PLAN SIGNATURE BLOCK

HEREBY CERTIFY THAT THE ABOVE FOREGOING SITE PLAN FOR DEVELOPMENT IN E CITY, OF ROCKWALL, TEXAS WAS APPROVED BY THE PLANNING AND ZONING MISSION OF THE CITY OF ROCKWALL ON THE \_\_\_\_ DAY OF \_\_\_\_.

NESS OUR HANDS, THIS \_\_\_\_ DAY OF \_\_\_\_, \_\_\_.

NNING & ZONING COMMISSION, CHAIRMAN

DIRECTOR OF PLANNING

CASE NO. SP2025-021

SITE PLAN FOR FUEL CITY - ROCKWALL LOT 2, BLOCK A CORNERSTONE COMMUNITY CHURCH

4.34 ACRES

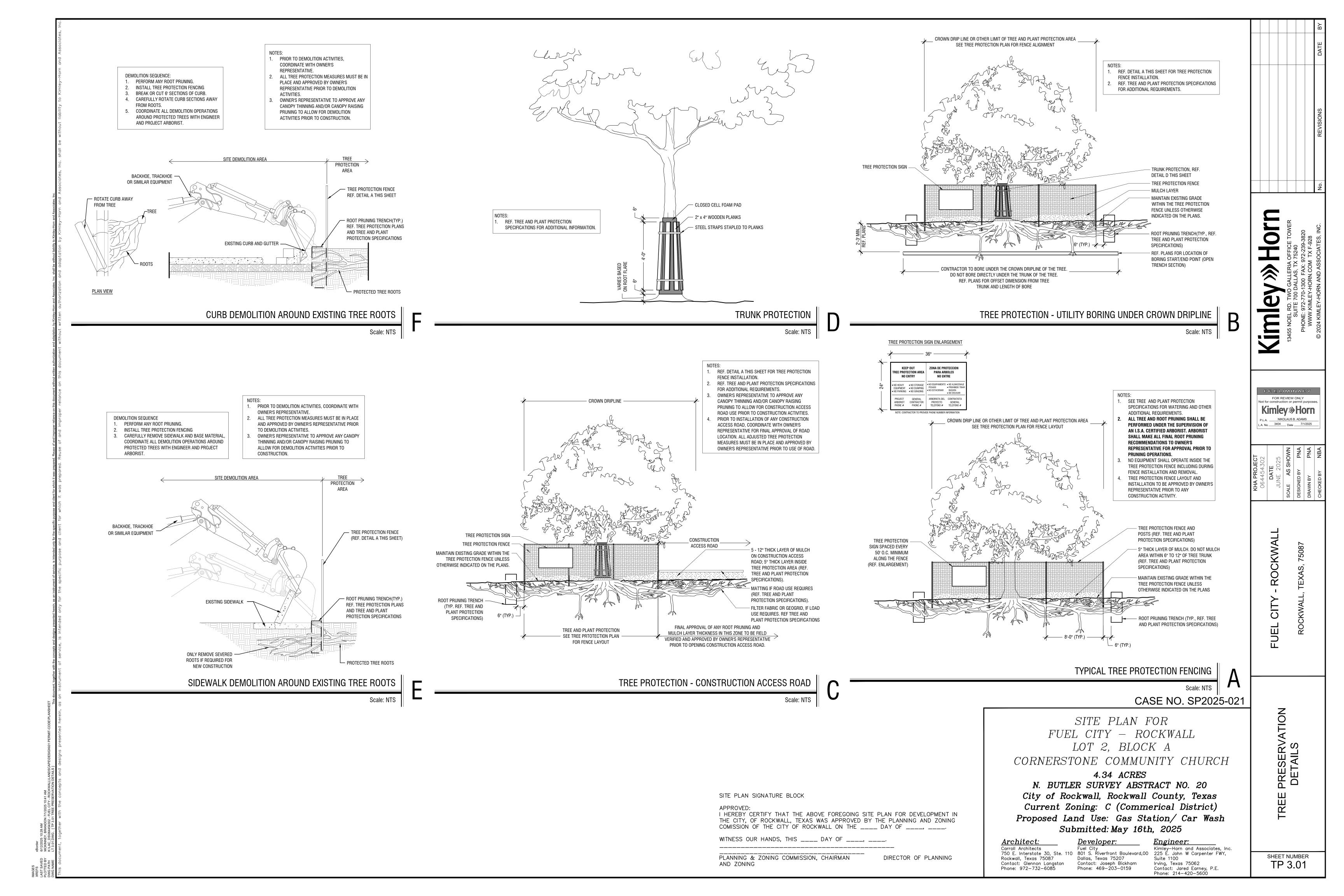
N. BUTLER SURVEY ABSTRACT NO. 20 City of Rockwall, Rockwall County, Texas Current Zoning: C (Commerical District) Proposed Land Use: Gas Station/ Car Wash Submitted: May 16th, 2025

Architect:	Developer:	Engineer:
Carroll Architects	Fuel City	Kimley—Horn and Associates, I
750 E. Interstate 30, Ste. 110	801 S. Řiverfront Boulevard,00	
Rockwall, Texas 75087	Dallas, Texas 75207	Suite 1100
Contact: Glennon Langston	Contact: Joseph Bickham	Irving, Texas 75062
Phone: 972-732-6085	Phone: 469-203-0159	Contact: Jared Earney, P.E.

FOR REVIEW ONLY
Not for construction or permit purposes **Kimley** »Horn

P.L.A. NIKOLAUS B. ADAMS L.A. No. 3404 Date 7/1/2025

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**SECTION 015639: TREE AND PLANT PROTECTION** REVIEW PRIOR TO THE START OF WORK. 1.11 OBSERVATION OF THE WORK A. THE OWNER'S REPRESENTATIVE MAY INSPECT THE WORK AT ANY TIME. THE SCOPE OF WORK INCLUDES ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, FACILITIES, TRANSPORTATION AND 1.12 PRE-CONSTRUCTION CONFERENCE SERVICES NECESSARY FOR, AND INCI DENTAL TO PERFORMING ALL OPERATIONS IN CONNECTION WITH PROTECTION OF SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE OWNER'S REPRESENTATIVE AT LEAST SEVEN (7) DAYS BEFORE EXISTING TREES AND OTHER PLANTS AS SHOWN ON THE DRAWINGS AND AS SPECIFIED HEREIN. BEGINNING WORK TO REVIEW ANY QUESTIONS THE CONTRACTOR MAY HAVE REGARDING THE WORK, ADMINISTRATIVE 1. PROVIDE PRECONSTRUCTION EVALUATIONS PROCEDURES DURING CONSTRUCTION AND PROJECT WORK SCHEDULE. 2. PROVIDE PROTECTION OF ROOT ZONES AND ABOVE GROUND TREES AND PLANTS 1. THE FOLLOWING CONTRACTORS SHALL ATTEND THE PRECONSTRUCTION CONFERENCE: 3. PROVIDE PRUNING OF EXISTING TREES AND PLANTS. a. GENERAL CONTRACTOR. 4. COORDINATE WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR MODIFICATIONS TO THE SOIL WITHIN THE ROOT b. CONSULTING ARBORIST/CERTIFIED ARBORIST ZONE OF EXISTING TREES AND PLANTS. c. TREE AND PLANT PROTECTION SUB-CONTRACTOR. PROVIDE ALL INSECT AND DISEASE CONTROL. d. EARTHWORK SUB-CONTRACTOR. 6. PROVIDE MAINTENANCE OF EXISTING TREES AND PLANTS INCLUDING IRRIGATION DURING THE CONSTRUCTION PERIOD e. ALL SITE UTILITY SUB-CONTRACTORS THAT MAY BE REQUIRED TO DIG OR TRENCH INTO THE SOIL. f. LANDSCAPE SUB-CONTRACTOR. g. IRRIGATION SUB-CONTRACTOR. 7. PROVIDE MAINTENANCE OF EXISTING TREES AND PLANTS INCLUDING IRRIGATION DURING THE POST CONSTRUCTION

h. PRIOR TO THIS MEETING, MARK ALL TREES AND PLANTS TO REMAIN AND OR BE REMOVED AS DESCRIBED IN THIS SPECIFICATION FOR REVIEW AND APPROVAL BY THE OWNER'S REPRESENTATIVE.

A. CONTRACTOR QUALIFICATIONS:

OTHER PROJECT INFORMATION AS SHOWN ON DRAWINGS.

HTTP://WWW.TENCATE.COM OR APPROVED EQUAL.

NATURALLY OCCURRING CHEMICALS, ALKALIS AND ACIDS.

DRIP LINE (OUTER EDGE OF THE BRANCH CROWN) OF EACH TREE.

DEGRADATION, RESISTANT TO NATURALLY OCCURRING CHEMICALS, ALKALIS, ACIDS.

B. SUBMIT SUPPLIERS PRODUCT DATA THAT PRODUCT MEETS THE REQUIREMENTS FOR APPROVAL.

B. SUBMIT SUPPLIERS PRODUCT DATA THAT PRODUCT MEETS THE REQUIREMENTS FOR APPROVAL.

1. GEOGRID SHALL BE MIRAGRID 2XT AS MANUFACTURED BY TEN CATE NICOLON, NORCROSS, GA.

PART 2 PRODUCTS

PART 3 EXECUTION

SOIL TYPE

SAND, LOAMY SAND, SANDY LOAM

CLAY LOAM, SILT LOAM

LIMIT OF GRADING.

3.8 PROTECTION:

PROVIDE THE FOLLOWING LEVELS OF PROTECTION:

GEOGRIDS UNDER 8 INCHES OF MULCH.

A LAYER OF FILTER FABRIC UNDER THE 6 INCHES OF MULCH.

MULCH AND A LAYER OF MATTING OVER THE MULCH.

METHODS APPROVED BY THE OWNER'S REPRESENTATIVE.

SILTY CLAY, SILTY CLAY LOAM

LOAM, SANDY CLAY, SANDY CLAY LOAM 14 - 25%

3.2 COORDINATION WITH PROJECT WORK

8. REMOVE TREE PROTECTION FROM AROUND AND UNDER TREES AND PLANTS. 1.13 QUALITY ASSURANCE CLEAN UP AND DISPOSAL OF ALL EXCESS AND SURPLUS MATERIAL.

SHALL CONSIST OF SPECIFICATIONS AND GENERAL CONDITIONS AND THE DRAWINGS. THE INTENT OF THESE DOCUMENTS IS TO INCLUDE ALL LABOR, MATERIALS, AND SERVICES NECESSARY FOR THE PROPER EXECUTION OF THE WORK. THE DOCUMENTS ARE TO BE CONSIDERED AS ONE. WHATEVER IS CALLED FOR BY ANY PARTS SHALL BE AS BINDING AS IF

IT IS THE INTENT OF THIS SECTION THAT THE REQUIREMENTS APPLY TO ALL OTHER SECTIONS OF THE PROJECT SPECIFICATION SUCH THAT ANY SUBCONTRACTOR MUST COMPLY WITH THE RESTRICTIONS ON WORK WITHIN DESIGNATED

1. DRAWINGS AND GENERAL PROVISIONS OF CONTRACT INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND A. HEAVY-DUTY PLASTIC LAMINATED OR CORRUGATED PLASTIC SIGNS, 24 INCHES X 36 INCHES, WHITE COLORED DIVISION I SPECIFICATIONS APPLY TO WORK OF THIS SECTION.

REFERENCES: THE FOLLOWING SPECIFICATIONS AND STANDARDS OF THE ORGANIZATIONS AND DOCUMENTS LISTED IN 2.2 MATTING THIS PARAGRAPH FORM A PART OF THE SPECIFICATION TO THE EXTENT REQUIRED BY THE REFERENCES THERETO. IN THE A. MATTING FOR VEHICLE AND WORK PROTECTION SHALL BE HEAVY DUTY MATTING DESIGNED FOR VEHICLE LOADING OVER EVENT THAT THE REQUIREMENTS OF THE FOLLOWING REFERENCED STANDARDS AND SPECIFICATION CONFLICT WITH THIS

TREE ROOTS, ALTURNAMATS AS MANUFACTURED BY ALTURNAMATS, INC. FRANKLIN, PA 16323 OR APPROVED EQUAL. SPECIFICATION SECTION, THE REQUIREMENTS OF THIS SPECIFICATION SHALL PREVAIL. IN THE EVENT THAT THE B. SUBMIT SUPPLIERS PRODUCT DATA THAT PRODUCT MEETS THE REQUIREMENTS FOR APPROVAL. REQUIREMENTS OF ANY OF THE FOLLOWING REFERENCED STANDARDS AND SPECIFICATIONS CONFLICT WITH EACH OTHER, 2.3 GEOGRID

1. ANSI A300 - STANDARD PRACTICES FOR TREE, SHRUB AND OTHER WOODY PLANT MAINTENANCE (9 PARTS), MOST

2. INTERNATIONAL SOCIETY OF ARBORICULTURE BEST MANAGEMENT PRACTICES (ISA BMP) MOST CURRENT EDITIONS.

c. Tree Support Systems: Cabling, Bracing, Guying, and Propping

d. TREE LIGHTING PROTECTION SYSTEMS e. MANAGING TREES DURING CONSTRUCTION

3. PRUNING PRACTICES SHALL CONFORM WITH RECOMMENDATIONS "STRUCTURAL PRUNING: A GUIDE FOR THE GREEN INDUSTRY"; PUBLISHED BY URBAN TREE FOUNDATION, VISALIA, CALIFORNIA; MOST CURRENT EDITION. 4. GLOSSARY OF ARBORICULTURAL TERMS, INTERNATIONAL SOCIETY OF ARBORICULTURE, CHAMPAIGN IL, MOST

CONTRACTOR SHALL CAREFULLY CHECK AND VERIFY ALL DIMENSIONS AND QUANTITIES, AND SHALL IMMEDIATELY INFORM 3.3 TREE AND PLANT PROTECTION AREA: THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES BETWEEN THE INFORMATION ON THE DRAWINGS AND THE A. THE TREE AND PLANT PROTECTION AREA IS DEFINED AS ALL AREAS INDICATED ON THE TREE PROTECTION PLAN. ACTUAL CONDITIONS, REFRAINING FROM DOING ANY WORK IN SAID AREAS UNTIL GIVEN APPROVAL TO DO SO BY THE

THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS RELATED TO THIS SECTION OF THE WORK UNLESS PREVIOUSLY EXCLUDED UNDER PROVISION OF THE CONTRACT OR GENERAL CONDITIONS. THE CONTRACTOR SHALL SPECIFIED. IF THE CONTRACTOR OBSERVES THAT A CONFLICT EXISTS BETWEEN PERMIT REQUIREMENTS AND THE WORK

WRITING INCLUDING A DESCRIPTION OF ANY NECESSARY CHANGES AND CHANGES TO THE CONTRACT PRICE RESULTING WHEREVER REFERENCES ARE MADE TO STANDARDS OR CODES IN ACCORDANCE WITH WHICH WORK IS TO BE PERFORMED OR TESTED. THE EDITION OR REVISION OF THE STANDARDS AND CODES CURRENT ON THE EFFECTIVE DATE OF THIS

CONTRACT SHALL APPLY, UNLESS OTHERWISE EXPRESSLY SET FORTH. IN CASE OF CONFLICT AMONG ANY REFERENCED STANDARDS OR CODES OR BETWEEN ANY REFERENCED STANDARDS AND CODES AND THE SPECIFICATIONS, THE MORE RESTRICTIVE STANDARD OR CODE SHALL APPLY OR OWNER'S REPRESENTATIVE SHALL DETERMINE WHICH SHALL GOVERN.

1.6 PROTECTION OF WORK, PROPERTY AND PERSON

THE CONTRACTOR SHALL PROTECT THE WORK, ADJACENT PROPERTY, AND THE PUBLIC, AND SHALL BE RESPONSIBLE FOR 3.5 SOIL MOISTURE ANY DAMAGES OR INJURY DUE TO HIS/HER ACTIONS. THE OWNER'S REPRESENTATIVE MAY ORDER CHANGES IN THE WORK. AND THE CONTRACT SUM SHOULD BE ADJUSTED

THE CONTRACTOR SHALL RE-EXECUTE ANY WORK THAT FAILS TO CONFORM TO THE REQUIREMENTS OF THE CONTRACT AND SHALL REMEDY DEFECTS DUE TO FAULTY MATERIALS OR WORKMANSHIP UPON WRITTEN NOTICE FROM THE OWNER'S REPRESENTATIVE. AT THE SOONEST POSSIBLE TIME THAT CAN BE COORDINATED WITH OTHER WORK AND SEASONAL

ALL TERMS IN THIS SPECIFICATION SHALL BE AS DEFINED IN THE "GLOSSARY OF ARBORICULTURAL TERMS" OR AS 1. OWNER'S REPRESENTATIVE: THE PERSON APPOINTED BY THE OWNER TO REPRESENT THEIR INTEREST IN THE REVIEW

OWNER'S REPRESENTATIVE MAY APPOINT OTHER PERSONS TO REVIEW AND APPROVE ANY ASPECTS OF THE WORK. 2. REASONABLE AND REASONABLY: WHEN USED IN THIS SPECIFICATION IS INTENDED TO MEAN THAT THE CONDITIONS CITED WILL NOT AFFECT THE ESTABLISHMENT OR LONG TERM STABILITY, HEALTH OR GROWTH OF THE PLANT. THIS SPECIFICATION RECOGNIZES THAT PLANTS ARE NOT FREE OF DEFECTS, AND THAT PLANT CONDITIONS CHANGE WITH TIME. THIS SPECIFICATION ALSO RECOGNIZES THAT SOME DECISIONS CANNOT BE TOTALLY BASED ON MEASURED

FINDINGS AND THAT PROFESSION JUDGMENT IS REQUIRED. IN CASES OF DIFFERING OPINION, THE OWNER'S REPRESENTATIVE EXPERT SHALL DETERMINE WHEN CONDITIONS WITHIN THE PLANT ARE JUDGED AS REASONABLE. 3. SHRUB: WOODY PLANTS WITH MATURE HEIGHT APPROXIMATELY LESS THAN 25 FEET.

VEGETATION TO BE PROTECTED DURING CONSTRUCTION, AND DEFINED BY A CIRCLE CENTERED ON THE TRUNK WITH EDITION. EACH TREE WITH A RADIUS EQUAL TO THE CLOWN DRIPLINE UNLESS OTHERWISE INDICATED BY THE OWNER'S REPRESENTATIVE OR THE CONSTRUCTION DRAWINGS

5. TREE: SINGLE AND MULTI-STEMMED PLANTS, INCLUDING PALMS WITH ANTICIPATED MATURE HEIGHT APPROXIMATELY GREATER THAN 25 FEET OR ANY PLANT IDENTIFIED ON THE PLANS AS A TREE.

3.7 INSTALLATION OF GEOGRIDS, FILTER FABRIC, MATTING, AND OR AGGREGATE 1. PRIOR TO THE START OF CONSTRUCTION, SUBMIT, FOR APPROVAL BY THE OWNER'S REPRESENTATIVE, THE REPORT OF A. INSTALL GEOGRIDS, FILTER FABRIC, MATTING, AND/OR AGGREGATE IN AREAS AND DEPTHS SHOWN ON THE PLANS AND A CONSULTING ARBORIST WHO IS A REGISTERED CONSULTING ARBORIST® (RCA) WITH AMERICAN SOCIETY OF CONSULTING ARBORISTS OR AN ISA BOARD CERTIFIED ARBORIST. WHICH DETAILS THE FOLLOWING INFORMATION FOR ALL TREES TO REMAIN WITHIN THE AREA DESIGNATED ON THE DRAWINGS AS THE TREE AND PLANT PROTECTION AREA. THE REPORT SHALL INCLUDE THE FOLLOWING

a. A DESCRIPTION OF EACH TREE TO REMAIN INDICATING ITS GENUS AND SPECIES, CONDITION INCLUDING ANY VISIBLI DAMAGE TO THE ROOT SYSTEM OR SOIL WITHIN THE ROOT ZONE. TREE DIAMETER AT BREAST HEIGHT (DBH) AND APPROXIMATE HEIGHT AND CANOPY SPREAD, SIZE AND ANY VISIBLE DISEASE, INSECT INFESTATIONS AND OR BRANCH AND TRUNK STRUCTURAL DEFICIENCIES.

b. THE REPORT SHALL NOTE ALL TREES OR PARTS OF TREES, WHICH ARE CONSIDERED A HAZARD OR SIGNIFICANT OR EXTREME RISK LEVEL. INCLUDE THE INTERNATIONAL SOCIETY OF ARBORICULTURE HAZARD EVALUATION SHEET FOR B. EACH TREE, WHICH MAY REASONABLY BE IDENTIFIED AS A POTENTIAL HAZARD TREE.

c. RECOMMENDATIONS AS TO TREATMENT OF ALL INSECT. DISEASE AND STRUCTURAL PROBLEMS ENCOUNTERED. d. RECOMMENDATIONS FOR FERTILIZER TREATMENTS, IF ANY.

e. A PLAN OF THE SITE SHOWING THE LOCATION OF ALL TREES INCLUDED IN THE REPORT. PRODUCT DATA

QUALIFICATIONS SUBMITTAL

1. FOR EACH APPLICABLE PERSON EXPECTED TO WORK ON THE PROJECT, PROVIDE COPIES OF THE QUALIFICATIONS AND

3.9 GENERAL REQUIREMENTS AND LIMITATIONS FOR OPERATIONS WITHIN THE TREE AND PLANT PROTECTION AREA: EXPERIENCE OF THE CONSULTING ARBORIST, PROOF OF EITHER THE REGISTERED CONSULTING ARBORIST® (RCA)

1. SUBMIT MANUFACTURER PRODUCT DATA AND LITERATURE DESCRIBING ALL PRODUCTS REQUIRED BY THIS SECTION

TO THE OWNER'S REPRESENTATIVE FOR APPROVAL. PROVIDE SUBMITTAL BEFORE THE START OF ANY WORK AT THE

WITH AMERICAN SOCIETY OF CONSULTING ARBORISTS OR AN ISA BOARD CERTIFIED MASTER ARBORIST, ANY ISA CERTIED ARBORISTS, AND ANY REQUIRED HERBICIDE/PESTICIDE LICENSE TO THE OWNER'S REPRESENTATIVE, FOR

1. ALL PRUNING, BRANCH TIE BACK, TREE REMOVAL, ROOT PRUNING, AND FERTILIZING REQUIRED BY THIS SECTION

2. ALL APPLICATIONS OF PESTICIDE OR HERBICIDE SHALL BE PERFORMED BY A PERSON MAINTAINING A CURRENT STATE

LICENSE TO APPLY CHEMICAL PESTICIDES VALID IN THE JURISDICTION OF THE PROJECT. SUBMIT COPIES OF ALL

BACKGROUND WITH BLACK 2 INCH HIGH OR LARGER LETTERS BLOCK LETTERS. THE SIGNS SHALL BE STAKED ADJACENT TO EXISTING TREES. THE TREE PROTECTION SIGN SHALL READ "KEEP OUT - TREE AND PLANT PROTECTION AREA" AND

GEOGRID SHALL BE WOVEN POLYESTER FABRIC WITH PVC COATING, UNI-AXIAL OR BIAXIAL GEOGRID, INERT TO BIOLOGICAL

FILTER FABRIC SHALL BE NONWOVEN POLYPROPYLENE FIBERS, INERT TO BIOLOGICAL DEGRADATION AND RESISTANT OF

A. EXAMINE THE SITE, TREE, PLANT AND SOIL CONDITIONS. NOTIFY THE OWNER'S REPRESENTATIVE IN WRITING OF ANY

THE CONTRACTOR SHALL COORDINATE WITH ALL OTHER WORK THAT MAY IMPACT THE COMPLETION OF THE WORK.

1. MIRAFI 135 N AS MANUFACTURED BY TEN CATE NICOLON, NORCROSS, GA. HTTP://WWW.TENCATE.COM OR APPROVED

CONDITIONS THAT MAY IMPACT THE SUCCESSFUL TREE AND PLANT PROTECTIONS THAT IS THE INTENT OF THIS SECTION.

PRIOR TO THE START OF WORK, PREPARE A DETAILED SCHEDULE OF THE WORK FOR COORDINATION WITH OTHER TRADES

COORDINATE THE RELOCATION OF ANY IRRIGATION LINES CURRENTLY PRESENT ON THE IRRIGATION PLAN, HEADS OR THE

NOT BE ALTERED TO FIT AROUND LINES. NOTIFY THE OWNER'S REPRESENTATIVE OF ANY CONFLICTS ENCOUNTERED.

WHERE NO LIMIT OF THE TREE AND PLANT PROTECTION AREA IS DEFINED ON THE DRAWINGS, THE LIMIT SHALL BE THE

FLAG ALL TREES AND LARGE SHRUBS TO BE REMOVED BY WRAPPING ORANGE PLASTIC RIBBON AROUND THE TRUNK AND

OBTAIN THE OWNER'S REPRESENTATIVE'S APPROVAL OF ALL TREES AND LARGE SHRUBS TO BE REMOVED PRIOR TO THE

START OF TREE AND SHRUB REMOVAL. AFTER APPROVAL, MARK ALL TREES AND SHRUBS TO BE REMOVED WITH ORANGE

OR EACH TREE AND ON A PROMINENT BRANCH FOR EACH SHRUB. OBTAIN THE OWNER'S REPRESENTATIVE'S APPROVAL OF

PRIOR TO ANY CONSTRUCTION ACTIVITY AT THE SITE INCLUDING UTILITY WORK, GRADING, STORAGE OF MATERIALS, OR

INSTALLATION OF TEMPORARY CONSTRUCTION FACILITIES. INSTALL ALL TREE PROTECTION FENCING, FILTER FABRIC. SILT

VOLUMETRIC SOIL MOISTURE LEVEL, IN ALL SOILS WITHIN THE TREE AND PLANT PROTECTION AREA SHALL BE MAINTAINED

ABOVE PERMANENT WILT POINT TO A DEPTH OF AT LEAST 8 INCHES. NO SOIL WORK OR OTHER ACTIVITY SHALL BE

PERMITTED WITHIN THE TREE AND PLANT PROTECTION AREA WHEN THE VOLUMETRIC SOIL MOISTURE IS ABOVE FIELD

CAPACITY. THE PERMANENT WILT POINT AND FIELD CAPACITY FOR EACH TYPE OF SOIL TEXTURE SHALL BE DEFINED AS

PERMANENT WILT POINT V/V

VOLUMETRIC SOIL MOISTURE SHALL BE MEASURED WITH A DIGITAL, ELECTRIC CONDUCTIVITY METER. THE METER SHALL

THE CONTRACTOR SHALL CONFIRM THE SOIL MOISTURE LEVELS WITH A MOISTURE METER. IF THE MOISTURE IS TOO HIGH,

THE PROJECT ARBORIST AND PROVIDED IN WRITING TO THE OWNER'S REPRESENTATIVE PRIOR TO ANY ROOT PRUNING.

2. AFTER COMPLETION OF THE CUT, MAKE CLEAN CUTS WITH A LOPPER, SAW OR PRUNER TO REMOVE ALL TORN ROOT

ENDS ON THE TREE SIDE OF THE EXCAVATION, AND BACKFILL THE TRENCH IMMEDIATELY WITH EXISTING SOIL, FILLING

1. AREAS WHERE FOOT TRAFFIC OR STORAGE OF LIGHTWEIGHT MATERIALS IS ANTICIPATED TO BE UNAVOIDABLE PROVIDE

2. AREAS WHERE OCCASIONAL LIGHT VEHICLE TRAFFIC IS ANTICIPATED TO BE UNAVOIDABLE PROVIDE A LAYER OF

IN THE ABOVE REQUIREMENTS, LIGHT VEHICLE IS DEFINED AS A TRACK SKID STEER WITH A GROUND PRESSURE OF 4 PSI

MATERIALS ARE ANY PACKAGED MATERIALS THAT CAN BE PHYSICALLY MOVED BY HAND INTO THE LOCATION. BULK

MATERIALS SUCH AS SOIL, OR AGGREGATE SHALL NEVER BE STORED WITHIN THE TREE AND PLANT PROTECTION AREA.

PROTECT THE TREE AND PLANT PROTECTION AREA AT ALL TIMES FROM COMPACTION OF THE SOIL; DAMAGE OF ANY KIND

TO TRUNKS, BARK, BRANCHES, LEAVES AND ROOTS OF ALL PLANTS; AND CONTAMINATION OF THE SOIL, BARK OR LEAVES

WITH CONSTRUCTION MATERIALS, DEBRIS, SILT, FUELS, OILS, AND ANY CHEMICALS SUBSTANCE. NOTIFY THE OWNER'S

REPRESENTATIVE OF ANY SPILLS, COMPACTION OR DAMAGE AND TAKE CORRECTIVE ACTION IMMEDIATELY USING

THE OWNER'S REPRESENTATIVE SHALL APPROVE THE APPROPRIATE LEVEL OF PROTECTION.

FINAL RECOMMENDATIONS ON ANY ROOT PRUNING REQUIREMENTS AND PROCEDURES ARE TO BE DETERMINED

PLANT PROTECTION AREA OR TREES TO REMAIN, ROOT PRUNE ALL EXISTING TREES TO A DEPTH OF 24 INCHES BELOW

EXISTING GRADE IN ALIGNMENTS FOLLOWING THE EDGES OF THE TREE AND PLANT PROTECTION AREA OR AS DIRECTED BY

PRIOR TO ANY EXCAVATING INTO THE EXISTING SOIL GRADE WITHIN 25 FEET OF THE LIMIT OF THE TREE AND

BE THE DIGITAL SOIL MOISTURE METER, DSMM500 BY GENERAL SPECIALTY TOOLS AND INSTRUMENTS, OR APPROVED

FIELD CAPACITY V/V

12 - 18%

27 - 36%

31 - 36%

38 - 41%

ALIGNMENTS OF REQUIRED TREE AND PLANT PROTECTION FENCING AND ROOT PRUNING. OBTAIN THE OWNER'S

PAINT IN A BAND COMPLETELY AROUND THE BASE OF THE TREE OR LARGE SHRUB 4.5 FEET ABOVE THE GROUND.

FENCE, TREE PROTECTION SIGNS, GEOGRID, MULCH AND OR WOOD CHIPS AS SHOWN ON THE DRAWINGS.

11 - 22%

22 - 27%

SUSPEND OPERATIONS UNTIL THE SOIL MOISTURE DRAINS TO BELOW FIELD CAPACITY.

ALL TREES AND SHRUBS TO REMAIN PRIOR TO THE START OF TREE AND SHRUB REMOVAL.

FOLLOWS (NUMBERS INDICATE PERCENTAGE VOLUMETRIC SOIL MOISTURE):

FLAG ALL TREES AND LARGE SHRUBS TO REMAIN WITH WHITE PLASTIC RIBBON TIED COMPLETELY AROUND THE TRUNK

CONDUITS OF OTHER UTILITY LINES OR STRUCTURES THAT ARE IN CONFLICT WITH TREE LOCATIONS. TREE ROOTS SHALL

SHALL BE PERFORMED BY OR UNDER THE DIRECT SUPERVISION OF ISA CERTIFIED ARBORIST. SUBMIT

AFOREMENTIONED INDIVIDUAL'S QUALIFICATIONS FOR APPROVAL BY THE OWNER'S REPRESENTATIVE

REQUIRED STATE LICENSING CERTIFICATES INCLUDING APPLICABLE CHEMICAL APPLICATOR LICENSES.

AREA ANY REASON. PERMITTED ACTIVITY, IF ANY, WITHIN THE TREE AND PLANT PROTECTION AREA MAY BE INDICATED ON THE DRAWINGS ALONG WITH ANY REQUIRED REMEDIAL ACTIVITY AS LISTED BELOW.

IN THE EVENT THAT CONSTRUCTION/VEHICULAR ACTIVITY IS UNAVOIDABLE WITHIN THE TREE AND PLANT PROTECTION

3.17 DAMAGE OR LOSS TO EXISTING PLANTS TO REMAIN AREA, NOTIFY THE OWNER'S REPRESENTATIVE AND SUBMIT A DETAILED WRITTEN PLAN OF ACTION FOR APPROVAL. THE PLAN SHALL INCLUDE: A STATEMENT DETAILING THE REASON FOR THE ACTIVITY INCLUDING WHY OTHER AREAS ARE NOT SUITED; A DESCRIPTION OF THE PROPOSED ACTIVITY; THE TIME PERIOD FOR THE ACTIVITY, AND A LIST OF REMEDIAL ACTIONS THAT WILL REDUCE THE IMPACT ON THE TREE AND PLANT PROTECTION AREA FROM THE ACTIVITY. TREE PROTECTION FOR THE REMEDIAL ACTIONS SHALL INCLUDE BUT SHALL NOT BE LIMITED TO THE FOLLOWING:

1. IN GENERAL, DEMOLITION AND EXCAVATION WITHIN THE DRIP LINE OF TREES AND SHRUBS SHALL PROCEED WITH EXTREME CARE EITHER BY THE USE OF HAND TOOLS, DIRECTIONAL BORING AND OR AIR KNIFE EXCAVATION WHERE INDICATED OR WITH OTHER LOW IMPACT EQUIPMENT THAT WILL NOT CAUSE DAMAGE TO THE TREE, ROOTS OR SOIL. 2. WHEN ENCOUNTERED, EXPOSED ROOTS, 1 INCHES AND LARGER IN DIAMETER SHALL BE WORKED AROUND IN A

MANNER THAT DOES NOT BREAK THE OUTER LAYER OF THE ROOT SURFACE (BARK). THESE ROOTS SHALL BE COVERED IN MULCH AND SHALL BE MAINTAINED ABOVE PERMANENT WILT POINT AT ALL TIMES. ROOTS ONE INCH AND LARGER IN DIAMETER SHALL NOT BE CUT WITHOUT THE APPROVAL OF THE OWNERS REPRESENTATIVE AND PROJECT ARBORIST. EXCAVATION SHALL BE TUNNELED UNDER THESE ROOTS WITHOUT CUTTING THEM. IN THE AREAS WHERE ROOTS ARE ENCOUNTERED, WORK SHALL BE PERFORMED AND SCHEDULED TO CLOSE EXCAVATIONS AS QUICKLY AS POSSIBLE OVER EXPOSED ROOTS.

3. TREE BRANCHES THAT INTERFERE WITH THE CONSTRUCTION MAY BE TIED BACK OR PRUNED TO CLEAR ONLY TO THE POINT NECESSARY TO COMPLETE THE WORK. OTHER BRANCHES SHALL ONLY BE REMOVED WHEN SPECIFICALLY INDICATED BY THE OWNER'S REPRESENTATIVE. TYING BACK OR TRIMMING OF ALL BRANCHES AND THE CUTTING OF ROOTS SHALL BE IN ACCORDANCE WITH ACCEPTED ARBORICULTURAL PRACTICES (ANSI A300, PARTS 1 AND 8) AND BE PERFORMED UNDER SUPERVISION OF THE I.S.A. CERTIFIED ARBORIST

4. MATTING: INSTALL TEMPORARY MATTING OR AN ADDITIONAL 12 INCH MULCH LAYER OVER THE MULCH SPECIFIED HEREFORD WITHIN THESE SPECIFICATIONS TO THE EXTENT INDICATED. DO NOT PERMIT FOOT TRAFFIC, SCAFFOLDING, VEHICULAR TRAFFIC, OR THE STORAGE OF MATERIALS WITHIN THE TREE AND PLANT PROTECTION AREA TO OCCUR OFF

5. TRUNK PROTECTION: PROTECT THE TRUNK OF EACH TREE TO REMAIN BY COVERING IT WITH A CLOSED CELL FOAM PAD AND A RING OF 2" x 4" x 4'-0" PLANKS LOOSELY BANDED ONTO THE TREE WITH 3 STEEL BANDS. STAPLE THE BANDS TO THE PLANKS AS NECESSARY TO HOLD THEM SECURELY IN PLACE. TRUNK PROTECTION MUST BY KEPT IN PLACE NO LONGER THAN 12 MONTHS. IF CONSTRUCTION REQUIRES WORK NEAR A PARTICULAR TREE TO CONTINUE LONGER THAN 12 MONTHS, THE STEEL BANDS SHALL BE INSPECTED EVERY SIX MONTHS AND LOOSENED IF THEY ARE FOUND TO END OF SECTION 015639 HAVE BECOME TIGHT.

6. AIR EXCAVATION TOOL: IF EXCAVATION FOR FOOTINGS OR UTILITIES IS REQUIRED WITHIN THE TREE AND PLANT PROTECTION AREA, AIR EXCAVATION TOOL TECHNIQUES SHALL BE USED WHERE PRACTICAL OR AS DESIGNED ON THE

a. REMOVE THE MULCH FROM AN AREA APPROXIMATELY 18 INCHES BEYOND THE LIMITS OF THE HOLE OR TRENCH TO BE EXCAVATED. COVER THE MULCH FOR A DISTANCE OF NOT LESS THAN 15 FEET AROUND THE LIMIT OF THE EXCAVATION AREA WITH FILTER FABRIC OR PLASTIC SHEETING TO PROTECT THE MULCH FROM SILT. MOUND THE MULCH SO THAT THE PLASTIC SLOPES TOWARDS THE EXCAVATION.

b. USING A SPRINKLER OR SOAKER HOSE, APPLY WATER SLOWLY TO THE AREA OF THE EXCAVATION FOR A PERIOD OF AT LEAST 4 HOURS, APPROXIMATELY 12 HOURS PRIOR TO THE WORK SO THAT THE GROUND WATER LEVEL IS AT OR NEAR FIELD CAPACITY AT THE BEGINNING OF THE WORK. FOR EXCAVATIONS THAT GO BEYOND THE DAMP SOIL, REWET THE SOIL AS NECESSARY TO KEEP SOIL MOISTURE NEAR FIELD CAPACITY.

C. USING AN AIR EXCAVATION TOOL SPECIFICALLY DESIGNED AND MANUFACTURED FOR THE INTENDED PURPOSE, AND AT PRESSURES RECOMMENDED BY THE MANUFACTURER OF THE EQUIPMENT, FRACTURE THE EXISTING SOIL TO THE SHAPE AND THE DEPTHS REQUIRED. WORK AT RATES AND USING TECHNIQUES THAT DO NOT HARM TREE ROOTS. AIR PRESSURE SHALL BE A MAXIMUM OF 90-100 PSI.

1.) THE AIR EXCAVATION TOOL SHALL BE "AIR-SPADE" AS MANUFACTURED BY CONCEPT ENGINEERING GROUP, INC., VERONA, PA (412) 826-8800, OR AIR KNIFE AS MANUFACTURED BY EASY USE AIR TOOLS, INC. ALLISON PARK, PA (866) 328-5723 OR APPROVED EQUAL.

d. USING A COMMERCIAL, HIGH-POWERED VACUUM TRUCK IF REQUIRED, REMOVE THE SOIL FROM THE EXCAVATION PRODUCED BY THE AIR KNIFE EXCAVATION. THE VACUUM TRUCK SHOULD GENERALLY OPERATE SIMULTANEOUSLY WITH THE HOSE OPERATOR, SUCH THAT THE SOIL PRODUCED IS PICKED UP FROM THE EXCAVATION HOLE, AND THE EXPOSED ROOTS CAN BE OBSERVED AND NOT DAMAGED BY THE ONGOING OPERATION. DO NOT DRIVE THE VACUUM TRUCK INTO THE TREE AND PLANT PROTECTION AREA UNLESS THE AREA IS PROTECTED FROM COMPACTION AS APPROVED IN ADVANCE BY THE OWNER'S REPRESENTATIVE. e. REMOVE ALL EXCAVATED SOIL AND EXCAVATED MULCH, AND CONTAMINATED SOIL AT THE END OF THE EXCAVATION.

f. SCHEDULE THE WORK SO THAT FOUNDATIONS OR UTILITY WORK IS COMPLETED IMMEDIATELY AFTER THE EXCAVATION. DO NOT LET THE ROOTS DRY OUT. MIST THE ROOTS SEVERAL TIMES DURING THE DAY. IF THE EXCAVATED AREA MUST REMAIN OPEN OVER NIGHT, MIST THE ROOTS AND COVER THE EXCAVATION WITH BLACK

g. DISPOSE OF ALL SOIL IN A MANNER THAT MEETS LOCAL LAWS AND REGULATIONS.

h. RESTORE SOIL WITHIN THE TRENCH AS SOON AS THE WORK IS COMPLETED. UTILIZE SOIL OF SIMILAR TEXTURE TO THE REMOVED SOIL AND LIGHTLY COMPACT WITH HAND TOOLS. LEAVE SOIL MOUNDED OVER THE TRENCH TO A HEIGHT OF APPROXIMATELY 10% OF THE TRENCH DEPTH TO ACCOUNT FOR SETTLEMENT.

i. RESTORE ANY GEOGRIDS, FILTER FABRIC, OR MULCH AND OR MATTING THAT WAS PREVIOUSLY REQUIRED FOR THE

A. PRIOR TO THE PRECONSTRUCTION MEETING, LAYOUT THE LIMITS OF THE TREE AND PLANT PROTECTION AREA AND THEN 3.10 TREE REMOVAL: REMOVE ALL TREES INDICATED BY THE DRAWINGS AND SPECIFICATIONS. AS REQUIRING REMOVAL, IN A MANNER THA WILL NOT DAMAGE ADJACENT TREES OR STRUCTURES OR COMPACTS THE SOIL.

> REMOVE TREES THAT ARE ADJACENT TO TREES OR STRUCTURES TO REMAIN, IN SECTIONS, TO LIMIT THE OPPORTUNITY OF DAMAGE TO ADJACENT CROWNS, TRUNKS, GROUND PLANE FLEMENTS AND STRUCTURES DO NOT DROP TREES WITH A SINGLE CUT UNLESS THE TREE WILL FALL IN AN AREA NOT INCLUDED IN THE TREE AND PLANT PROTECTION AREA. NO TREE TO BE REMOVED WITHIN 50 FEET OF THE TREE AND PLANT PROTECTION AREA SHALI BE PUSHED OVER OR UP-ROOTED USING A PIECE OF GRADING FQUIPMENT

PROTECT ADJACENT PAVING. SOIL. TREES. SHRUBS. GROUND COVER PLANTINGS AND UNDERSTORY PLANTS TO REMAI FROM DAMAGE DURING ALL TREE REMOVAL OPERATIONS. AND FROM CONSTRUCTION OPERATIONS. PROTECTION SHALL INCLUDE THE ROOT SYSTEM, TRUNK, LIMBS, AND CROWN FROM BREAKAGE OR SCARRING, AND THE SOIL FROM

REMOVE STUMPS AND IMMEDIATE ROOT PLATE FROM EXISTING TREES TO BE REMOVED. GRIND TRUNK BASES AND LARGE BUTTRESS ROOTS TO A DEPTH OF THE LARGEST BUTTRESS ROOT OR AT LEAST 18 INCHES BELOW THE TOP MOST ROOTS WHICH EVER IS LESS AND OVER THE AREA OF THREE TIMES THE DIAMETER OF THE TRUNK (DBH).

1. FOR TREES WHERE THE STUMP WILL FALL UNDER NEW PAVED AREAS, GRIND ROOTS TO A TOTAL DEPTH OF 18 INCHES BELOW THE EXISTING GRADE. IF THE SIDES OF THE STUMP HOLE STILL HAVE GREATER THAN APPROXIMATELY 20% WOOD VISIBLE, CONTINUE GRINDING OPERATION DEEPER AND OR WIDER UNTIL THE RESULTING HOLE HAS LESS THAN 20% WOOD. REMOVE ALL WOOD CHIPS PRODUCED BY THE GRINDING OPERATION AND BACK FILL IN 8 INCH LAYERS WITH CONTROLLED FILL OF A QUALITY ACCEPTABLE TO THE SITE ENGINEER FOR FILL MATERIAL UNDER STRUCTURES COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY STANDARD PROCTOR. THE OWNER'S REPRESENTATIVE SHALL

APPROVE EACH HOLE AT THE END OF THE GRINDING OPERATION. 2. IN AREAS WHERE THE TREE LOCATION IS TO BE A PLANTING BED OR LAWN, REMOVE ALL WOODCHIPS AND BACKFILL STUMP HOLES WITH PLANTING SOIL AS DEFINED IN THE SOIL MANAGEMENT SPECIFICATIONS, IN MAXIMUM OF 12 INCH LAYERS AND COMPACT TO 80 - 85% OF THE MAXIMUM DRY DENSITY STANDARD PROCTOR.

WITHIN SIX MONTHS OF THE ESTIMATED DATE OF SUBSTANTIAL COMPLETION, PRUNE ALL DEAD OR HAZARDOUS BRANCHES LARGER THAN 2 INCH IN DIAMETER FROM ALL TREES TO REMAIN. IMPLEMENT ALL PRUNING RECOMMENDATIONS FOUND IN THE ARBORIST REPORT.

PRUNE ANY LOW. HANGING BRANCHES AND VINES FROM EXISTING TREES AND SHRUBS THAT OVERHANG WALKS, STREETS AND DRIVES, OR PARKING AREAS AS FOLLOWS:

1. WALKS - WITHIN 8 FEET VERTICALLY OF THE PROPOSED WALK ELEVATION.

2. PARKING AREAS - WITHIN 12 FEET VERTICALLY OF THE PROPOSED PARKING SURFACE ELEVATION.

3. STREETS AND DRIVES - WITHIN 14 FEET VERTICALLY OF THE PROPOSED DRIVING SURFACE ELEVATION ALL PRUNING SHALL BE DONE IN ACCORDANCE WITH ANSI A300 (PART 1 - PRUNING), ISA BMP: TREE PRUNING AND THE

"STRUCTURAL PRUNING: A GUIDE FOR THE GREEN INDUSTRY." PERFORM OTHER PRUNING TASK AS INDICATED ON THE DRAWINGS OR REQUESTED BY THE OWNER'S REPRESENTATIVE WHERE TREE SPECIFIC DISEASE VECTORS REQUIRE, STERILIZE ALL PRUNING TOOLS BETWEEN THE WORK IN INDIVIDUAL

1. USING A ROCK SAW, CHAIN TRENCHER OR SIMILAR TRENCHING DEVICE, MAKE A VERTICAL CUT WITHIN 2 FEET OF THE 3.12 WATERING

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE TO ENSURE THAT ADEQUATE WATER IS PROVIDED TO ALL PLANTS AND TREES TO BE PRESERVED DURING THE ENTIRE CONSTRUCTION PERIOD. ADEQUATE WATER IS DEFINED TO BE MAINTAINING SOIL MOISTURE ABOVE THE PERMANENT WILT POINT TO A DEPTH OF 8 INCHES OR GREATER. THE CONTRACTOR SHALL ADJUST THE AUTOMATIC IRRIGATION SYSTEM, IF AVAILABLE, AND APPLY ADDITIONAL WATER,

USING HOSES OR WATER TANKS AS REQUIRED. PERIODICALLY TEST THE MOISTURE CONTENT IN THE SOIL WITHIN THE ROOT ZONE TO DETERMINE THE WATER CONTENT DETAILS OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE. IN GENERAL IT IS THE INTENT OF THIS SPECIFICATION TO 3.13 WEED REMOVAL

DURING THE CONSTRUCTION PERIOD, CONTROL ANY PLANTS THAT SEED IN AND AROUND THE FENCED TREE AND PLANT PROTECTION AREA AT LEAST THREE TIMES A YEAR. 1. ALL PLANTS THAT ARE NOT SHOWN ON THE PLANTING PLAN OR ON THE TREE AND PLANT PROTECTION PLAN TO

REMAIN SHALL BE CONSIDERED AS WEEDS. AT THE END OF THE CONSTRUCTION PERIOD PROVIDE ONE FINAL WEEDING OF THE TREE AND PLANT PROTECTION AREA 3. AREAS WHERE HEAVY VEHICLE TRAFFIC IS UNAVOIDABLE PROVIDE A LAYER OF GEOGRIDS UNDER 8 - 12 INCHES OF 3.14 INSECT AND DISEASE CONTROLLER

MONITOR ALL PLANTS TO REMAIN FOR DISEASE AND INSECT INFESTATIONS DURING THE ENTIRE CONSTRUCTION PERIOD PROVIDE ALL DISEASE AND INSECT CONTROL REQUIRED TO KEEP THE PLANTS IN A HEALTHY STATE USING THE PRINCIPLES OF INTEGRATED PEST MANAGEMENT (IPM). ALL PESTICIDES SHALL BE APPLIED BY A CERTIFIED PESTICIDE APPLICATOR. OR LIGHTER. A HEAVY VEHICLE IS ANY VEHICLE WITH A TIRE OR TRACK PRESSURE OF GREATER THAN 4 PSI. LIGHTWEIGHT 3.15 CLEAN-UP DURING TREE AND PLANT PROTECTION WORK, KEEP THE SITE FREE OF TRASH, PAVEMENTS REASONABLY CLEAN AND

> THE SITE NO LESS THAN ONCE A WEEK. 1. IMMEDIATELY CLEAN UP ANY SPILLED OR TRACKED SOIL, FUEL, OIL, TRASH OR DEBRIS DEPOSITED BY THE CONTRACTOR FROM ALL SURFACES WITHIN THE PROJECT OR ON PUBLIC RIGHT OF WAYS AND NEIGHBORING

WORK AREA IN AN ORDERLY CONDITION AT THE END OF EACH DAY. REMOVE TRASH AND DEBRIS IN CONTAINERS FROM

THAT MULCH IS CONFINED TO PLANTING BEDS. MAKE ALL REPAIRS TO GRADES, RUTS, AND DAMAGE TO THE WORK OR OTHER WORK AT THE SITE. A. THE CONTRACTOR SHALL NOT ENGAGE IN ANY CONSTRUCTION ACTIVITY WITHIN THE TREE AND PLANT PROTECTION AREA D. REMOVE AND DISPOSE OF ALL EXCESS MULCH, WOOD CHIPS, PACKAGING, AND OTHER MATERIAL BROUGHT TO THE SITE

ONCE TREE PROTECTION WORK IS COMPLETE, WASH ALL SOIL FROM PAVEMENTS AND OTHER STRUCTURES. ENSURE

WITHOUT THE APPROVAL OF THE OWNER'S REPRESENTATIVE INCLUDING: OPERATING, MOVING OR STORING EQUIPMENT; BY THE CONTRACTOR. STORING SUPPLIES OR MATERIALS; LOCATING TEMPORARY FACILITIES INCLUDING TRAILERS OR PORTABLE TOILETS AND 3.16 REMOVAL OF TREE AND PLANT PROTECTION

SHALL NOT PERMIT EMPLOYEES TO TRAVERSE THE AREA TO ACCESS ADJACENT AREAS OF THE PROJECT OR USE THE A. AT THE END OF THE CONSTRUCTION PERIOD OR WHEN REQUESTED BY THE OWNER'S REPRESENTATIVE REMOVE ALL FENCING, GEOGRIDS AND FILTER FABRIC, TRUNK PROTECTION AND OR ANY OTHER TREE AND PLANT PROTECTION

ANY TREES OR PLANTS DESIGNATED TO REMAIN AND WHICH ARE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT THEIR OWN EXPENSE. TREES SHALL BE REPLACED WITH A TREE OF SIMILAR SPECIES AND 3 INCH CALIPER. SHRUBS SHALL BE REPLACED WITH A PLANT OF SIMILAR SPECIES AND EQUAL SIZE OR THE LARGEST SIZE PLANTS REASONABLY AVAILABLE WHICH EVER IS LESS. WHERE REPLACEMENT PLANTS ARE TO BE LESS THAN THE SIZE OF THE PLANT THAT IS DAMAGED, THE OWNER'S REPRESENTATIVE SHALL APPROVE THE SIZE AND QUALITY OF THE

1. ALL TREES AND PLANTS SHALL BE INSTALLED PER THE REQUIREMENTS OF PLANTING SPECIFICATIONS. PLANTS THAT ARE DAMAGED SHALL BE CONSIDERED AS REQUIRING REPLACEMENT OR APPRAISAL IN THE EVENT THAT THE DAMAGE AFFECTS MORE THAN 25% OF THE CROWN, 25% OF THE TRUNK CIRCUMFERENCE, OR ROOT PROTECTION AREA, OR THE TREE IS DAMAGED IN SUCH A MANNER THAT THE TREE COULD DEVELOP INTO A POTENTIAL HAZARD. TREES AND SHRUBS TO BE REPLACED SHALL BE REMOVED BY THE CONTRACTOR AT HIS OWN EXPENSE.

1. THE OWNER'S REPRESENTATIVE MAY ENGAGE AN INDEPENDENT CONSULTING ARBORIST TO ASSESS ANY TREE OR PLANT THAT APPEARS TO HAVE BEEN DAMAGED TO DETERMINE THEIR HEALTH OR CONDITION.

2. CONTRACTOR SHALL PAY ALL FINES AND MITIGATION COSTS ASSOCIATED WITH LOSS OF PROTECTED TREES DAMAGED BY CONTRACTOR'S FORCES.

ANY TREE THAT IS DETERMINED TO BE DEAD, DAMAGED OR POTENTIALLY HAZARDOUS BY THE OWNER'S ARBORIST AND UPON THE REQUEST OF THE OWNER'S REPRESENTATIVE SHALL BE IMMEDIATELY REMOVED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. TREE REMOVAL SHALL INCLUDE ALL CLEAN UP OF ALL WOOD PARTS AND GRINDING OF THE STUMP TO A DEPTH SUFFICIENT TO PLANT THE REPLACEMENT TREE OR PLANT, REMOVAL OF ALL CHIPS FROM THE STUMP SITE AND FILLING THE RESULTING HOLE WITH TOPSOIL.

ANY REMEDIAL WORK ON DAMAGED EXISTING PLANTS RECOMMENDED BY THE CONSULTING ARBORIST SHALL BE COMPLETED BY THE CONTRACTOR AT NO COST TO THE OWNER. REMEDIAL WORK SHALL INCLUDE BUT IS NOT LIMITED TO: SOIL COMPACTION REMEDIATION AND VERTICAL MULCHING, PRUNING AND OR CABLING, INSECT AND DISEASE CONTROL INCLUDING INJECTIONS, COMPENSATORY WATERING, ADDITIONAL MULCHING, AND COULD INCLUDE APPLICATION TREE GROWTH REGULATORS (TGR).

REMEDIAL WORK MAY EXTEND UP TO TWO YEARS FOLLOWING THE COMPLETION OF CONSTRUCTION TO ALLOW FOR ANY REQUIREMENTS OF MULTIPLE APPLICATIONS OR THE NEED TO UNDERTAKE APPLICATIONS AT REQUIRED SEASONS OF THE

P.L.A. NIKOLAUS B. ADAMS L.A. No. 3404 Date 7/1/2025

SITE PLAN FOR FUEL CITY - ROCKWALL LOT 2, BLOCK A

DIRECTOR OF PLANNING

CASE NO. SP2025-021

CORNERSTONE COMMUNITY CHURCH

I HEREBY CERTIFY THAT THE ABOVE FOREGOING SITE PLAN FOR DEVELOPMENT IN

THE CITY, OF ROCKWALL, TEXAS WAS APPROVED BY THE PLANNING AND ZONING

COMISSION OF THE CITY OF ROCKWALL ON THE \_\_\_\_ DAY OF \_\_\_\_, \_\_\_.

WITNESS OUR HANDS, THIS \_\_\_\_ DAY OF \_\_\_\_, \_\_\_

PLANNING & ZONING COMMISSION, CHAIRMAN

4.34 ACRES

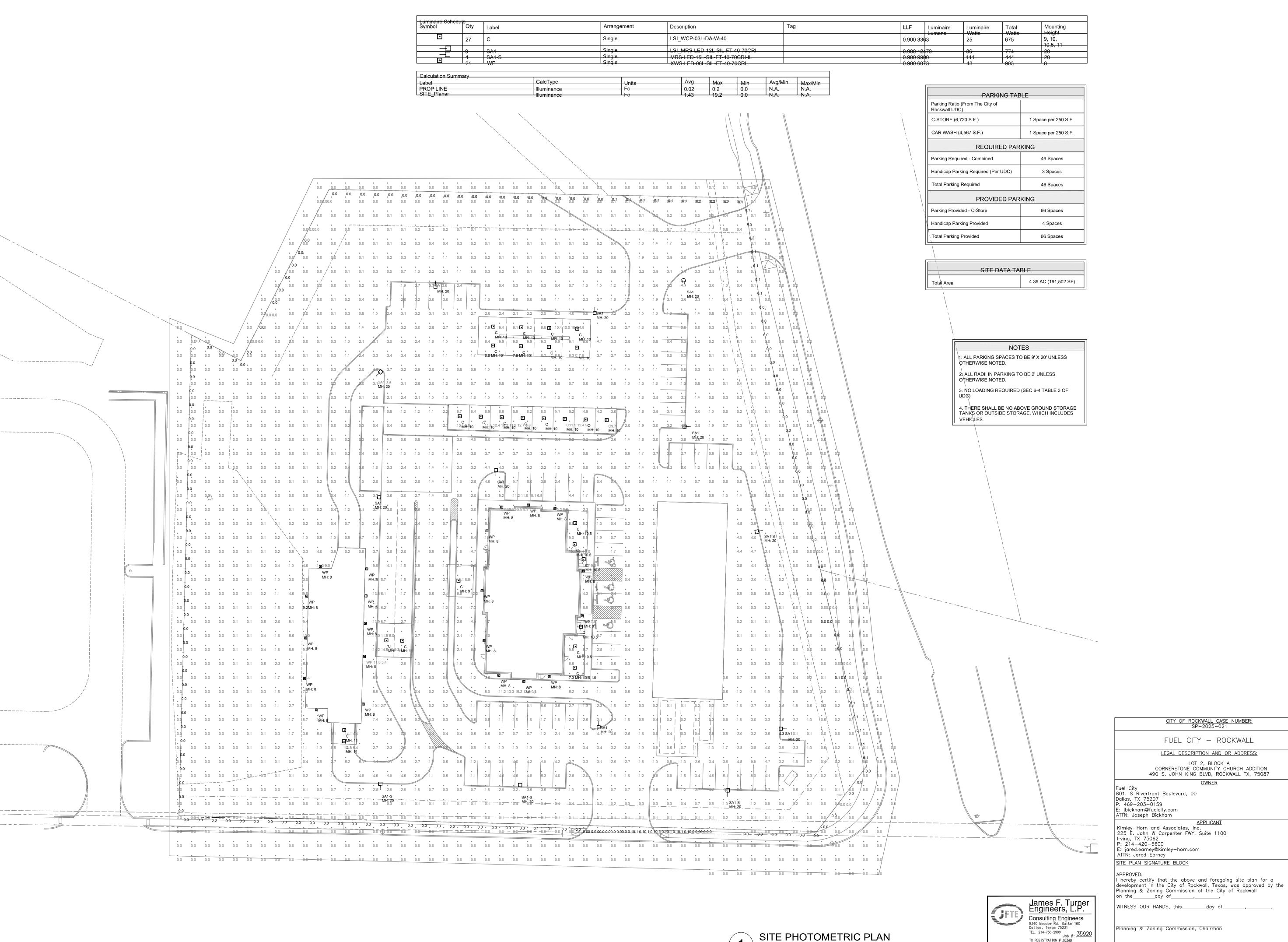
N. BUTLER SURVEY ABSTRACT NO. 20 City of Rockwall, Rockwall County, Texas Current Zoning: C (Commerical District) Proposed Land Use: Gas Station/ Car Wash Submitted: May 16th, 2025

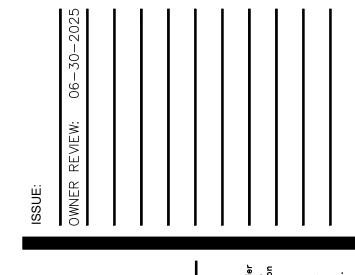
*Architect:* Carroll Architects 750 E. Interstate 30, Ste. 110 801 S. Riverfront Boulevard,00 225 E. John W Carpenter FWY, Rockwall, Texas 75087 Dallas, Texas 75207 Contact: Glennon Langston Contact: Joseph Bickham Phone: 972-732-6085 Phone: 469-203-0159

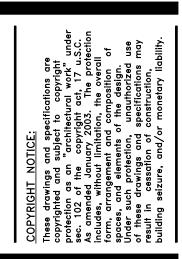
SITE PLAN SIGNATURE BLOCK

Kimley—Horn and Associates, Inc Irving, Texas 75062 Contact: Jared Earney, P.E. Phone: 214-420-5600

SHEET NUMBER TP 3.02

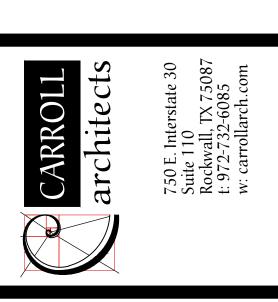






Blvd 508 FOR King John





CITY OF ROCKWALL CASE NUMBER: SP-2025-021

FUEL CITY — ROCKWALL

LEGAL DESCRIPTION AND OR ADDRESS:

LOT 2, BLOCK A CORNERSTONE COMMUNITY CHURCH ADDITION 490 S. JOHN KING BLVD, ROCKWALL TX, 75087

# SITE **PHOTOMETRICS**

**JUNE 2025** PROJECT NO: 2024074 E0.0 DRAWN BY:

CHECKED BY:



Director of Planning and Zoning

Catalog #:	Project :
Prepared By :	Date:



# **WCP Series** LED Walkway Canopy

The LSI WCP LED Walkway Canopy Series is designed to optimize LED life and light output. Housing is hinged for quick and easy mounting and entrance. Using high brightness, high LED count technology, more usable light output is produced while eliminating glare.

# Features & Specifications

## **Optical System**

- The high transmission lens, with 91% efficiency, is high impact, scratch resistant acrylic and protects the LEDs. At the same time, it delivers improved visual comfort by eliminating any glare and providing a wider smoother and more uniform light output.
- Lens assembly is designed to provide high efficiency and to target the light where needed to satisfy outdoor lighting requirements.
- Positioning of the LEDs result in the light being directed to desired locations eliminating glare.
- 3000K | 4000K | 5000K color temperatures.
- Minimum CRI of 80.
- L70 Calculated Life: >200k Hours

## Electrical

- High-performance driver features over-voltage, under voltage, short-circuit and over temperature protection.
- 0-10 volt dimming (10% 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz
- Total harmonic distortion: <20%
- Power factor: >.85
- Driver Off-State Power is 0 watts.
- Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed.
- . Minimum 4kV surge rating

### Controls

# **Wireless Controls System**

To make Airlink ready, order one of the following options:

- a. The integrated Wireless Lighting Controller: ALSC (see ordering guide) as the controls option, or
- b. Integrated Wireless Controller option (above) with integrated motion sensor: ALSCS (ordering guide for mounting heights)

For more information on our AirLink products, visit our website: www.lsi airlink.com/airlink-synapse/



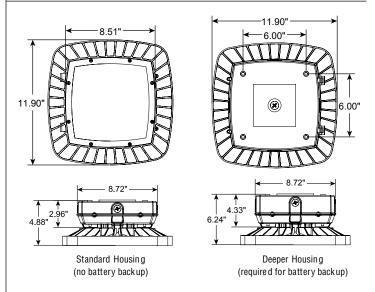


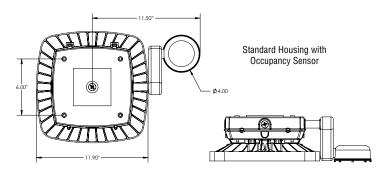






# **Dimensions**





<sup>\*</sup>The majority of LSI Lighting Products are assembled in USA facilities by an American Workforce utilizing both Domestic and Foreign components, Meets Buy American requirements within the ARRA.



# WCP Series LED Walkway Canopy

# Features & Specifications (Cont.)

### **Stand Alone Controls**

 The passive infrared motion sensor activates switching of luminaire light levels.

## Construction

- Rugged aluminum die cast housing provides proven environmental protection for LED modules.
- Designed for commercial and industrial applications.
- Patent pending thermal stacking technology features a unique internal design that allows for lower operating temperatures which results in a brighter, whiter light, more stable color and longer LED and driver life.
- LSI LEDs provide higher lumen output, greater energy efficiency and more reliable fixture performance.
- LEDs manufactured for the WCP series utilize Epoxy Guard conformal coating which reduces the chance of board corrosion.
- · Weight: 10.0 lbs in carton.

## Warranty

• LSI LED Fixtures carry a 5-year warranty.

## Listings

- CSA listed to UL 1598 and UL 8750.
- Luminaire is certified to UL/cUL Standards for Wet Locations.
- IDA Listed (3000K or warmer CCT)
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product DLC qualified. Check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

## Installation:

- Apertures for continuous wiring.
- Housing is hinged for quick and easy mounting and entrance.
- Can be pendant mounted using 1/2" threaded conduit fitting (by others).

# Performance

	3000K		400	DK	500		
Lumens	Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	Wattage
3L	3363	137.21	3363	137.21	3492	142.37	25
5L	5452	134.60	5452	134.60	5626	135.25	40
7L	7680	127.30	7680	127.30	7788	129.11	60
10L	9691	121.78	9691	121.78	9821	121.11	80

# **Energy Savings**

LE	D		HID					
Wattage	Annual Cost	Source Wattage	Total Wattage Used	Annual Cost	Annual Savings			
		50	72	\$52	\$41			
25	\$11	70	90	\$59	\$48			
		100	129	\$77	\$66			
		100	129	\$77	\$59			
40	\$18	150	185	\$100	\$82			
		175	210	\$112	\$94			
		200	232	\$128	\$102			
60	\$26	250	285	\$150	\$124			
		400	458	\$226	\$200			
		200	232	\$128	\$93			
80	\$35	250	285	\$150	\$115			
		400	458	\$226	\$191			

# Luminaire Ordering Guide

TYPICAL ORDER EXAMPLE: WCP LED 3L DA W UNV DIM 30 BZA

Family Prefix	Lumen Package	Lens Type	Distribution	Voltage	Dimming	Color Temp	Color Rendering	Options / Controls	Finishes
WCP LED - Walkway Canopy Series	3L - 3,000 Lumens 5L - 5,000 Lumens 7L - 7,000 Lumens 10L - 10,000 Lumens	DA - Diffused Acrylic	<b>W</b> - Wide	UNV - Universal (120V-277V) HV - High Voltage (347V-480V)	(U to IUV)	30 - 3000K 40 - 4000K 50 - 5000K	Blank - 80 Color Rendering Index	ALSC - Airlink Synapse Wireless Controller¹  OCSUE - Occupancy Sensor white housing 120 - 277V²  OCSHV - Occupancy Sensor white housing 480V²  EXT- 0-10V Dimming leads extended to housing exterior²  CWBB - Cold Weather Battery Backup -20°C to 50°C(-4°F to 122°F) (requires deeper housing)  SP - Surge Protection	BZA - Bronze WHT - White

## Footnotes:

- 1 Consult factory for HV with AirLink Synapse Wireless Digital Controller.
- 2 Not compatible with AirLink Wireless Controls.



Catalog #:	Proiect:
	•
Prepared By:	Date :

Mirada Small Area (MRS)

# Outdoor LED Area Light













OVERVIEW						
Lumen Package	6,000 - 30,000					
Wattage Range	39 - 209					
Efficacy Range (LPW)	112 - 163					
Weight lbs(kg)	20 (9.1)					
Control Options	IMSBT, ALB, ALS, 7-Pin, PCI					



## **QUICK LINKS**

Ordering Guide Performance Photometrics Dimensions

## **FEATURES & SPECIFICATIONS**

### Construction

- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Cast aluminum wiring access door located underneath.
- Fixtures are finished with LSI's DuraGrip\* polyester powder coat finishing process.
   The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight: 27 lbs in carton.

## **Optical System**

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP66 rated seal.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in distribution types 2, 3, 4, 5W, FT, and LC/RC.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93-95%.
- · Zero uplight.
- Available in 5000K, 4000K, 3500K, 3000K and 2700K color temperatures per ANS C78.377.
- 70 or 80CRI Minimum.
- Integral louver (IL) and integral half louver (IH) options available for enhanced backlight control.

## **Electrical**

 High-performance driver features overvoltage, under-voltage, short-circuit and over temperature protection.

- 0-10V dimming (10% 100%) standard.
- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz or optional High Voltage (347-480 VAC).
- L70 Calculated Life: >60k Hours
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F). 30L lumen packages rated to +40°C.
- Power factor: >.90
- Input power stays constant over life.
- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Driver is fully encased in potting material for moisture resistance and complies with FCC standards. Driver and key electronic components can easily be accessed.

# Controls

- Optional integral passive infrared Bluetooth™ motion and photocell sensor. Fixtures operate independently and can be commissioned via iOS or Android configuration app.
- LSI's AirLink™ wireless control system options reduce energy and maintenance costs while optimizing light quality 24/7.

# Installation

- Designed to mount to square or round poles.
- A single fastener secures the hinged door,

- underneath the housing and provides quick & easy access to the electrical compartment.
- Included terminal block accepts up to 12 ga. wire.
- Utilizes LSI's traditional B3 drill pattern.

# Warranty

 LSI luminaires carry a 5-year limited warranty. Refer to <a href="https://www.lsicorp.com/resources/terms-conditions-warranty/">https://www.lsicorp.com/resources/terms-conditions-warranty/</a> for more information.

## Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- Dark Sky compliant; with 3000K color temperature selection.
- Title 24 Compliant; see local ordinance for qualification information.
- · RoHS compliant
- Suitable for wet locations.
- IP66 rated Luminaire per IEC 60598-1.
- 3G rated for ANSI C136.31 high vibration applications are qualified.
- IKO8 rated luminiare per IEC 66262 mechanical impact code
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at <a href="www.designlights.org/QPL">www.designlights.org/QPL</a> to confirm which versions are qualified.



# Mirada Small Area Light (MRS)



ORDERING GUIDE

Back to Quick Links

# TYPICAL ORDER EXAMPLE: MRS LED 18L SIL FT UNV DIM 40 70CRI ALBMR1LR BLK IH

Prefix	Light Source	Lumen Package	Lens	Distribution	Orientation <sup>2</sup>	Voltage	Driver
MRS - Mirada Small Area Light	LED	6L - 6,000 lms, 39W 9L - 9,000 lms, 63W 12L - 12,000 lms, 86W 15L - 15,000 lms, 111W 18L - 18,000 lms, 135W 21L - 21,000 lms, 165W 24L - 24,000 lms, 196W 30L - 30,000 lms, 209W <sup>8</sup> Custom Lumen Packages <sup>1</sup>	SIL - Silicone	2 - Type 2 3 - Type 3 4 - Type 4 5W - Type 5 Wide FT - Forward Throw LC - Left Corner RC - Right Corner	(blank) - standard L- Optics rotated left 90° R - Optics rotated right 90°	UNV - Universal Voltage (120-277V) HV - High Voltage (347-480V)	<b>DIM</b> - 0-10V Dimming (0-10%)

Color Temp	Color Rendering	Controls (Choose One)	Finish	Options
<b>50</b> - 5,000 CCT <b>40</b> - 4,000 CCT <b>35</b> - 3,500 CCT (80 CRI only) <b>30</b> - 3,000 CCT <b>27</b> - 2,700 CCT (80 CRI only)	<b>70CRI</b> - 70 CRI <b>80CRI</b> - 80 CRI	Wireless Controls System ALSC - AirLink Synapse Control System ALSC - AirLink Synapse Control System with 12-20' MH Motion Sensor® ALSC3 - AirLink Synapse Control System with 20-40' MH Motion Sensor® ALSC3 - AirLink Synapse Control System with 20-40' MH Motion Sensor® ALBMR1R - AirLink Blue Long Range Wireless Motion & Photo Sensor Controller (8-15' MH) <sup>48</sup> ALBMR2LR - AirLink Blue Long Range Wireless Motion & Photo Sensor Controller (16-40' MH) <sup>48</sup> Stand-Alone Controls EXT - 0-10v Dimming leads extended to housing exterior (R7P - 7 Pin Control Receptacle ANSI C136.41 ³ IMSBT1L - Integral Bluetooth™ Motion and Photocell Sensor (8-24' MH) <sup>4,8</sup> IMSBT2L - Integral Bluetooth™ Motion and Photocell Sensor (25-40' MH) <sup>4,8</sup>	BLK - Black BRZ - Dark Bronze GMG - Gun Metal Gray GPT - Graphite MSV - Metallic Silver PLP - Platinum Plus SVG - Satin Verde Green WHT - White	(Blank) - None  IH - Integral Half Louver (Moderate Spill Light Cutoff) <sup>2</sup> IL - Integral Louver (Sharp Spill Light Cutoff) <sup>2</sup>



# **Need more information?**

Click here for our glossary

Have additional questions?

Call us at (800) 436-7800



# Accessory Ordering Information<sup>5</sup>

CONTROLS ACCESSORIES	
Description	Order Number
Twist Lock Photocell (120V) for use with CR7P	122514
Twist Lock Photocell (208-277) for use with CR7P	122515
Twist Lock Photocell (347V) for use with CR7P	122516
Twist Lock Photocell (480V) for use with CR7P	1225180
AirLink 5 Pin Twist Lock Controller	661409
AirLink 7 Pin Twist Lock Controller	661410
Shorting Cap for use with CR7P	149328

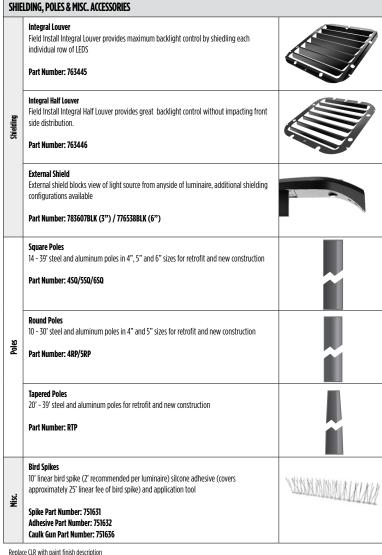
FUSING OPTIONS <sup>7</sup>	
Description	Order Number
Single Fusing (120V)	
Single Fusing (277V)	<u>See Fusing</u> <u>Accessory Guide</u>
Double Fusing (208V, 240V)	
Double Fusing (480V)	
Double Fusing (347V)	

EXTERNAL SHIELDING OPTIONS	
3" External Shield	See Shielding
6" External Shield	<u>Guide</u>

- 1. Custom lumen and wattage packages available, consult factory. Values are within industry standard tolerances but not DLC listed.
- 2. Not available on "Type 5W" distribution.
- 3. Control device or shorting cap must be ordered separately. See Accessory Ordering Information.
- 4. Motion sensors are field configurable via the LSI app that can be downloaded from your smartphone's native app store.
- $5. \quad \text{Accessories are shipped separately and field installed}.$
- 6. "CLR" denotes finish. See Finish options.
- 7. Fusing must be located in hand hole of pole. See Fusing Accessory Guide for compatability.
- 8. ALSC, ALB, and IMSBT not available with 30L HV.

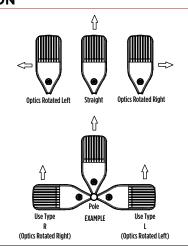
ACCESSORIES Back to Quick Links





# OPTICS ROTATION

Top View



## **ACCESSORIES/OPTIONS**

Replace \* with S (Single), D180 (Double @180°), D90 (Double @90°), T90 (Triple), Q90 (Quad)

Replace XX with SQ for square pole or RD for round pole (>3" OD)

Replace with 4 (4" square pole) or 5 (5" square pole)

# Integral Louver (IL) and House-Side Shield (IH)

Integral louver (IL) and half louver (IH) accessory shields available for improved backlight control without sacrificing street side performance. LSI's Integral Louver (IL) and Integral House-Side Shield (IH) options deliver backlight control that significantly reduces spill light behind the poles for applications with pole locations close to adjacent properties. The design maximizes forward reflected light while reducing glare, maintaining the optical distribution selected, and most importantly eliminating light trespass. Both options rotate with the optical distribution.

Luminaire Shown with Integral Louver (IL)



# Luminaire Shown with IMSBT Option



## 7 Pin Photoelectric Control

7-pin ANSI C136.41-2013 control receptacle option available for twist lock photocontrols or wireless control modules. Control accessories sold separately. Dimming leads from the receptacle will be connected to the driver dimming leads (Consult factory for alternate wiring).





# Mirada Small Area Light (MRS)

**!** Have questions? Call us at (800) 436-7800

PERFORMANCE Back to Quick Links

	B1 1 2	ar:	3	000K CCT		4	оок сст			5000K CCT		
umen Package	Distribution	CRI	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Wattage
	2		5918	149	B2-U0-G1	6136	155	B2-U0-G1	6122	155	B2-U0-G1	
	3		6016	152	B1-U0-G2	6238	158	B1-U0-G2	6224	157	B1-U0-G2	
	4		5967	153	B1-U0-G2	6333	162	B1-U0-G3	6136	157	B1-U0-G2	
6L	5W	70	5690	144	B3-U0-G1	5899	149	B3-U0-G1	5886	149	B3-U0-G1	39
	FT		5822	147	B1-U0-G1	6037	152	B1-U0-G1	6023	152	B1-U0-G1	
	LC		6003	154	B1-U0-G2	6371	163	B1-U0-G2	6173	158	B1-U0-G2	
	RC		5964	153	B1-U0-G2	6329	162	B1-U0-G2	6132	157	B1-U0-G2	
	2		9091	145	B2-U0-G2	9484	152	B2-U0-G2	9462	151	B2-U0-G2	
	3		9241	148	B2-U0-G2	9641	154	B2-U0-G2	9619	154	B2-U0-G2	
	4		9214	146	B2-U0-G3	9778	155	B2-U0-G3	9474	150	B2-U0-G3	
9L	5W	70	8740	140	B3-U0-G2	9118	146	B3-U0-G2	9097	144	B3-U0-G2	63
	FT		8943	143	B2-U0-G2	9330	149	B2-U0-G2	9308	149	B2-U0-G2	
	LC		9269	147	B2-U0-G3	9837	156	B2-U0-G3	9531	151	B2-U0-G3	
	RC		9208	146	B2-U0-G2	9772	155	B2-U0-G3	9468	150	B2-U0-G3	
	2		12132	141	B3-U0-G2	12685	148	B3-U0-G2	12514	146	B3-U0-G2	
	3	1	12333	143	B2-U0-G2	12894	150	B2-U0-G2	12721	148	B2-U0-G2	
	4		12277	143	B2-U0-G3	13029	152	B2-U0-G3	12623	147	B2-U0-G3	
12L	5W	70	11664	136	B4-U0-G2	12195	142	B4-U0-G2	12031	140	B4-U0-G2	86
	FT		11935	139	B2-U0-G2	12479	145	B2-U0-G2	12311	143	B2-U0-G2	
	LC		12351	144	B2-U0-G3	13108	152	B2-U0-G3	12700	148	B2-U0-G3	
	RC		12271	143	B2-U0-G3	13022	151	B2-U0-G3	12617	147	B2-U0-G3	
	2		14220	128	B3-U0-G2	15167	137	B3-U0-G2	14488	131	B3-U0-G2	
	3		14938	135	B2-U0-G2	15933	144	B2-U0-G2	15219	137	B2-U0-G2	
	4		14792	133	B2-U0-G4	15698	141	B2-U0-G4	15209	137	B2-U0-G4	
15L	5W	70	14304	129	B4-U0-G2	15257	137	B4-U0-G2	14574	131	B4-U0-G2	111
	FT		14342	129	B2-U0-G2	15297	138	B2-U0-G2	14612	132	B2-U0-G2	
	LC		14881	134	B2-U0-G3	15793	142	B2-U0-G3	15301	138	B2-U0-G3	
	RC		14784	133	B2-U0-G3	15689	141	B2-U0-G3	15201	137	B2-U0-G3	
	2		16438	122	B3-U0-G2	17532	130	B3-U0-G3	16747	124	B3-U0-G2	
	3		17267	128	B3-U0-G3	18417	137	B3-U0-G3	17592	131	B3-U0-G3	
	4		17101	127	B3-U-G4	18149	134	B3-U-G4	17584	130	B3-U-G4	
18L	5W	70	16535	123	B4-U0-G2	17636	133	B5-U0-G2	16846	125	B4-U0-G2	135
	FT		16578	123	B3-U0-G2	17682	131	B3-U0-G2	16890	125	B3-U0-G2	
	LC		17204	127	B3-U0-G3	18258	135	B3-U0-G3	17689	131	B3-U0-G3	
	RC		17091	127	B2-U0-G3	18138	134	B2-U0-G3	17574	130	B2-U0-G3	
	2		19488	118	B3-U0-G3	20786	126	B3-U0-G3	19885	120	B3-U0-G3	
	3		20472	124	B3-U0-G3	21835	132	B3-U0-G3	20857	126	B3-U0-G3	
	4		20279	123	B3-U0-G4	21521	130	B3-U0-G5	20851	126	B3-U0-G5	
21L	5W	70	19604	119	B5-U0-G3	20909	126	B5-U0-G3	19973	121	B5-U0-G3	165
	FT		19655	119	B3-U0-G3	20964	127	B3-U0-G3	20025	121	B3-U0-G3	
	LC	$\dashv$	20401	124	B3-U0-G4	21651	131	B3-U0-G4	20977	127	B3-U0-G4	
	RC		20268	123	B3-U0-G3	21509	130	B3-U0-G4	20840	126	B3-U0-G3	

\*LEDs are frequently updated therefore values are nominal.



**PERFORMANCE** Back to Quick Links

DELIVERED LUMENS*												
Lumen Package			3000К ССТ		4000K CCT		5000K CCT			W-11		
	Distribution	CRI	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Wattag
	2		21976	112	B3-U0-G3	23439	120	B3-U0-G3	22390	114	B3-U0-G3	
	3		23085	118	B3-U0-G3	24622	126	B3-U0-G3	23519	120	B3-U0-G3	
	4		23190	117	B3-U0-G5	24758	124	B3-U0-G5	23888	120	B3-U0-G5	
24L	5W	70	22105	113	B5-U0-G3	23578	120	B5-U0-G3	22522	115	B5-U0-G3	196
	FT		22164	113	B3-U0-G3	23640	121	B3-U0-G3	22581	115	B3-U0-G3	
	LC		23330	117	B3-U0-G4	24907	125	B3-U0-G4	24032	121	B3-U0-G4	
	RC		23117	117	B3-U0-G4	24744	124	B3-U0-G4	23874	120	B3-U0-G4	
	2		30078	144	B4-U0-G3	29485	143	B4-U0-G4	30697	147	B4-U0-G3	
	3		31711	154	B3-U0-G3	31086	151	B3-U0-G3	32364	157	B3-U0-G3	
	4		30459	148	B4-U0-G5	29858	145	B4-U0-G5	31085	151	B4-U0-G5	
30L	5W	70	30588	149	B5-U0-G3	29985	146	B5-U0-G3	31218	152	B5-U0-G3	209
	FT		31585	153	B3-U0-G4	30962	150	B3-U0-G4	32235	156	B4-U0-G4	
	LC		32303	155	B3-U0-G5	31666	152	B3-U0-G5	32968	158	B3-U0-G5	
	RC		31943	153	B3-U0-G4	31313	150	B3-U0-G4	32600	156	B3-U0-G5	

<sup>\*</sup>LEDs are frequently updated therefore values are nominal.

<b>LUMEN SCALING FACTOR</b>		
70CRI - 80CRI	3000K 70CRI - 3500K 80CRI	3000K 70CRI - 2700K 80CRI
0.93	1.00	0.86

ELECTRICAL I	ELECTRICAL DATA (AMPS)*						
Lumens	120V	208V	240V	277V	347V	480V	
6L	0.34	0.20	0.17	0.15	0.12	0.09	
9L	0.52	0.30	0.26	0.23	0.18	0.13	
12L	0.72	0.41	0.36	0.31	0.25	0.18	
15L	0.93	0.53	0.46	0.40	0.32	0.23	
18L	1.12	0.65	0.56	0.49	0.39	0.28	
21L	1.38	0.80	0.69	0.60	0.48	0.34	
24L	1.63	0.94	0.82	0.71	0.56	0.41	
30L	1.74	1.00	0.87	0.75	0.60	0.43	

<sup>\*</sup>Electrical data at 25°C (77°F). Actual wattage may differ by +/-10%

RECOMMENDED LUMEN MAINTENANCE <sup>1</sup>						
Ambient Temp	Lumen Multiplier					
C	0 hrs. <sup>2</sup>	25K hrs. <sup>2</sup>	50K hrs. <sup>2</sup>	75K hrs. <sup>3</sup>	100K hrs. <sup>3</sup>	
0 C - 25 C	100%	95%	89%	84%	79%	
40 C	100%	94%	87%	80%	74%	

<sup>1.</sup> Lumen maintenance values at 25°C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing.

<sup>2.</sup> In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X)the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip).

3. In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times NA LM-80-08 total test duration (in hours) for the

device under testing ((DUT) i.e. the packaged LED chip).



PHOTOMETRICS

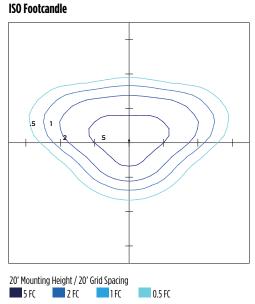
Back to Quick Links

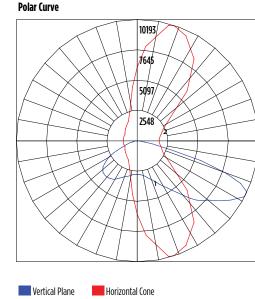
Luminaire photometry has been conducted by an accredited laboratory in accordance with IESNA LM-79. As specified by IESNA LM-79 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

#### MRS-LED-18L-SIL-2-40-70CRI

Luminaire Data				
Type 2 Distribution				
Description	4000 Kelvin, 70 CRI			
Delivered Lumens	17,532			
Watts	135			
Efficacy	130			
IES Type	Type II - Short			
BUG Rating	B3-U0-G3			

Zonal Lumen Summary				
Zone	Lumens	% Luminaire		
Low (0-30)°	2831	16%		
Medium (30-60)°	10310	59%		
High (60-80)°	4208	24%		
Very High (80-90)°	184	1%		
Uplight (90-180)°	0	0%		
Total Flux	17532	100%		



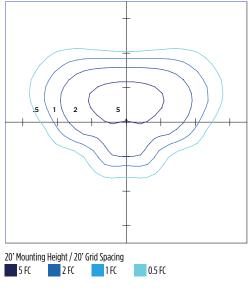


#### MRS-LED-18L-SIL-3-40-70CRI

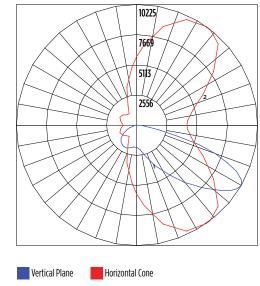
Luminaire Data					
Type 3 Distribution					
Description	4000 Kelvin, 70 CRI				
Delivered Lumens	18,417				
Watts	135				
Efficacy	137				
IES Type	Type III - Short				
BUG Rating	B3-U0-G3				

Zonal Lumen Summary					
Zone	Lumens	% Luminaire			
Low (0-30)°	2329	13%			
Medium (30-60)°	10634	61%			
High (60-80)°	5246	30%			
Very High (80-90)°	208	1%			
Uplight (90-180)°	0	0%			
Total Flux	18417	100%			

# ISO Footcandle



#### **Polar Curve**





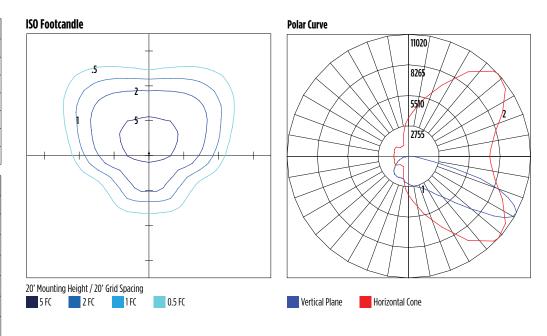
#### **PHOTOMETRICS (CONT)**

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#### MRS-LED-18L-SIL-FT-40-70CRI

Luminaire Data				
Type FT Distribution				
Description	4000 Kelvin, 70 CRI			
Delivered Lumens	17,682			
Watts	135			
Efficacy	131			
IES Type	Type III - Short			
BUG Rating	B3-U0-G2			

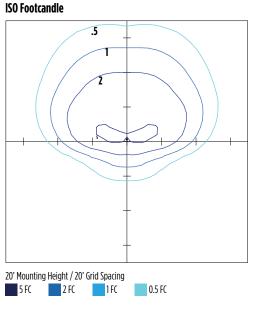
Zonal Lumen Summary				
Zone	Lumens	% Luminaire		
Low (0-30)°	2255	13%		
Medium (30-60)°	9463	54%		
High (60-80)°	5696	32%		
Very High (80–90)°	268	2%		
Uplight (90-180)°	0	0%		
Total Flux	17682	100%		

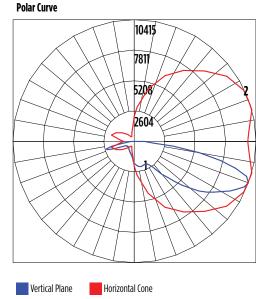


#### MRS-LED-18L-SIL-4-40-70CRI

Luminaire Data				
Type 4 Distribution				
Description	4000 Kelvin, 70 CRI			
Delivered Lumens	18,149			
Watts	135			
Efficacy	134			
IES Type	Type IV - Very Short			
BUG Rating	B3-U0-G4			

Zonal Lumen Summary				
Zone	Lumens	% Luminaire		
Low (0-30)°	1671	9%		
Medium (30-60)°	7615	42%		
High (60-80)°	8074	44%		
Very High (80-90)°	790	4%		
Uplight (90-180)°	0	0%		
Total Flux	18149	100%		







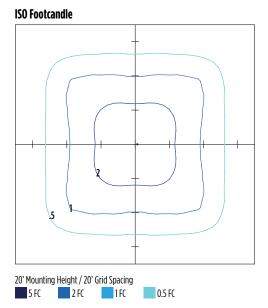
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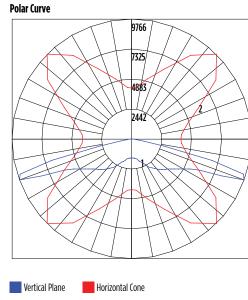
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#### MRM-LED-30L-SIL-5W-40-70CRI

Luminaire Data		
Type 5W Distribution		
Description	4000 Kelvin, 70 CRI	
Delivered Lumens	17,636	
Watts	135	
Efficacy	131	
IES Type	Type VS - Short	
BUG Rating	B4-U0-G2	

Zonal Lumen Summary				
Zone	Lumens	% Luminaire		
Low (0-30)°	1646	9%		
Medium (30-60)°	7453	43%		
High (60-80)°	8405	48%		
Very High (80-90)°	132	1%		
Uplight (90-180)°	0	0%		
Total Flux	17636	100%		

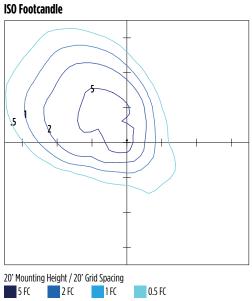


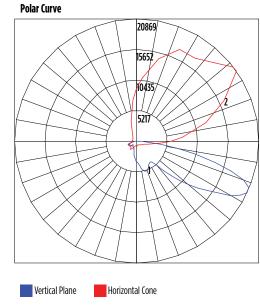


#### MRS-LED-18L-SIL-LC-40-70CRI

Luminaire Data			
Left Corner Distribution			
Description	4000 Kelvin, 70 CRI		
Delivered Lumens	18,258		
Watts	135		
Efficacy	135		
IES Type	N/A		
BUG Rating	B3-U0-G3		

Zonal Lumen Summary				
Zone	Lumens	% Luminaire		
Low (0-30)°	2412	13%		
Medium (30-60)°	7504	41%		
High (60-80)°	7698	42%		
Very High (80-90)°	644	4%		
Uplight (90-180)°	0	0%		
Total Flux	18258	100%		







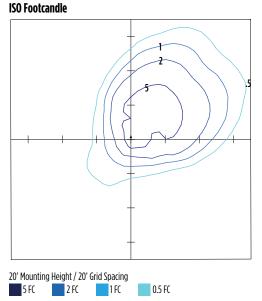
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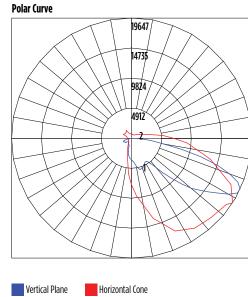
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#### MRM-LED-30L-SIL-5W-40-70CRI

Luminaire Data			
Right Corner Distribution			
Description	4000 Kelvin, 70 CRI		
Delivered Lumens	18,138		
Watts	135		
Efficacy	134		
IES Type	N/A		
BUG Rating	B3-U0-G3		

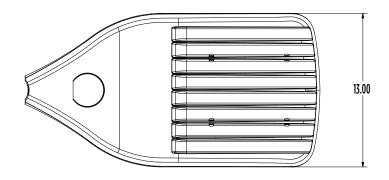
Zonal Lumen Summary			
Zone	Lumens	% Luminaire	
Low (0-30)°	2317	13%	
Medium (30-60)°	8066	44%	
High (60-80)°	7214	40%	
Very High (80-90)°	541	3%	
Uplight (90-180)°	0	0%	
Total Flux	18138	100%	

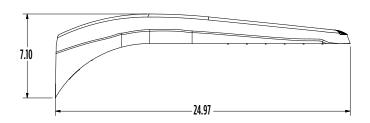


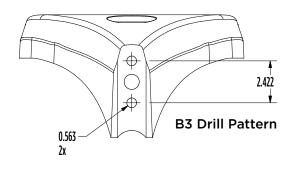


#### PRODUCT DIMENSIONS

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Luminaire EPA Chart					
Tilt Degr	ee	0°	15°	30°	45°
<b>#</b>	Single	0.4	0.7	1.1	1.5
<b>#</b>	D180°	0.8	1.5	1.9	2.4
•	D90°	0.9	1.5	1.9	2.4
	T90°	0.9	1.6	21	2.5
=<	TN120°	0.9	1.9	2.7	3.0
	Q90°	0.9	1.6	2.1	2.5

## Mirada Small Area Light (MRS)

CONTROLS Back to Quick Links

#### Integral Bluetooth™ Motion and Photocell Sensor (IMSBTxL)

Slim low profile sensor provides multi-level control based on motion and/or daylight. Sensor controls 0-10 VDC LED drivers and is IP66 rated for cold and wet locations (-40°F to 167°F). Two unique PIR lenses are available and used based on fixture mounting height. All control parameters are adjustable via an iOS or Android App capable of storing and transmitting sensor profiles.

Click here to learn more details about IMSBT







**LEVITON App** 

Apple

Android

#### AirLink Blue (ALBMRxLR, ALBCSx)

Wireless Bluetooth Mesh Outdoor Lighting Control System that provides energy savings, code compliance and enhanced safety/security for parking lots and parking garages. Three key components; Bluetooth wireless radio/sensor controller, Time Keeper and an iOS App. Capable of grouping multiple fixtures and sensors as well as scheduling time-based events by zone. Radio/Sensor Controller is factory integrated into Area/Site, Wall Mounted, Parking Garage and Canopy luminaires.

Click here to learn more details about AirLink Blue





AirLink Blue App

Apple

#### **Sensor Sequence of Operations**

Standard Programming	On Event	Off Event	On Light Level	Dim Light Level	Daylight Harvesting	Delay To Off	Sensitivity
IMSBTxL	Motion	No Motion	100%	N/A	On; Auto Calibration	20 minutes	High

Operation	Description
On Event	Trigger that activates lights to turn on; either automatic via motion detected or manually activated via push of button.
Off Event	Trigger that activates lights to turn off; either automatic via no motion detected or manually activated via push of button.
On Light Level	The light level that the fixtures will turn on to when ON EVENT occurs.
Dim Light Level	The light level that the fixtures will dim down to when no motion is detected.
Delay to Dim	The amount of time after which no motion is detected that the fixtures will be triggered to dim down. This sequence is optional, and sensor can be programmed to only trigger the fixture to turn off by entering 100% in this field.
Delay to Off	The amount of time after which no motion is detected that the fixtures will be triggered to turn off. If delay to dim is part of the programmed functionality, this is the amount of time after which no motion is detected after the fixture have already dimmed down.
Sensitivity	The sensitivity can be set to high, medium, low, or auto where applicable. High will detect smaller, simple motions. Low will only detect larger more complex motions. Auto temperature calibration adjusts the PIR sensitivity as ambient temperature rises to increase detection of heat movement through the field of view.



Catalog #:	Project :	Type :
Dronared Du		Dato:

# Outdoor Wall Sconce













OVERVIEW				
Lumen Package (lm)	1,000 - 8,000			
Wattage Range (W)	10 - 61			
Efficacy Range (LPW)	126 - 162			
Weight lbs (kg)	10 (4.5)			
Control Options	IMSBT, ALB, ALS, PCI			



#### **QUICK LINKS**

#### **FEATURES & SPECIFICATIONS**

#### Construction

- · Rugged die-cast aluminum housing.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process.
   The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Extended housing available with 1/2" threaded hubs for surface conduit and rated wire
- Standard luminaire shipping weight: TBD lbs in carton.
- Max luminaire shipping weight: 12 lbs in carton (20 lbs w/EH option)

#### **Optical System**

- State-of-the-Art one piece silicone optic provides industry leading optical control while also acting as an integrated gasket reducing system complexity and improving fixture reliability.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in distribution types 2, 3, and FT.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight.
- 5000K, 4000K, 3500K, 3000K, and 2700K color temperatures per ANSI C78.377. Also available in Phosphor Converted Amber with peak intensity at 610nm.
- 70 or 80CRI Minimum.

#### **Electrical**

- High-performance programmable driver features over-voltage, under-voltage, short circuit and over temperature protection. Custom lumen and wattage packages available.
- 0-10V dimming (10% 100%) standard.

- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz or optional High Voltage (347-480 VAC).
- L80 Calculated Life: >100k Hours
- Total harmonic distortion (THD): <20%
- Operating temperature: -40°C to 40°C (-40°F to +104°F)
- Power factor (PF): >.90
- Input power stays constant over life.
- Optional 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed via hinged door.
- Optional integral emergency battery pack provides 90-minutes of constant power to the LED system, ensuring code compliance. A test switch/indicator button is installed on the housing for ease of maintenance. The fixture delivers 1500 lumens during emergency mode.

#### **Controls**

- Integral passive infrared Bluetooth™
   motion sensor options. Fixtures operate
   independently and can be commissioned
   via an iOS or Android configuration app.
   Updates and modifications to the control
   strategy are easily implemented via an
   intuitive app.
- The ALBMRxLR utilizing an external antenna for long range communications allows for Bluetooth Mesh wireless up to 100' from node to node. Ensures reliable wireless communications for applications where only wall-mount fixture product is being utilized.

#### Installation

- Universal wall mounting plate easily mounts directly to 4" octagonal or square junction box.
- 2 fasteners secure the hinged door underneath the housing and provide quick & easy access to the electrical compartment for installing/servicing.
- Optional terminal block accepts up to 12 ga wire.

#### Warranty

 LSI luminaires carry a 5-year limited warranty. Refer to <a href="https://www.lsicorp.com/resources/terms-conditions-warranty/">https://www.lsicorp.com/resources/terms-conditions-warranty/</a> for more information.

#### Listings

- Listed to UL 1598 and UL 8750.
- · Meets Buy American Act requirements.
- IDA compliant; with 3000K color temperature selection.
- Title 24 Compliant; see local ordinance for qualification information.
- · Suitable for wet locations.
- IP65 rated luminaire per IEC 60598-1.
- 3G rated for ANSI C136.31 high vibration applications when pole mounted (using optional XPMA bracket) or wall mounted.
- IKO8 rated luminiare per IEC 66262 mechanical impact code.
- DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified.
   Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.





#### **ORDERING GUIDE**

TYPICAL ORDER EXAMPLE:	XWS LED	6L SIL FT UNV DIN	1 40 70CRI <i>A</i>	ALBMR1LR BLK CWBB			
Prefix	Light Source	Lumen Package	Lens	Distribution	Voltage		Driver
<b>XWS</b> - Mirada Small Wall Sconce	LED	1L - 1,000 (10w) UNV Only 2L - 2,000 (15w) 3L - 3,000 (26w) 5L - 5,000 (39w) 6L - 6,000 (52w) 8L - 8,000 (63w) Custom Lumen Packages¹	SIL - Silicone	2 - Type 2 3 - Type 3 FT - Forward Throw	<b>UNV</b> - Universal Voltage ( <b>HV</b> - High Voltage (347-4	,	<b>DIM</b> - 0-10v Dimming (0-10%)
Color Temperature   Color Rendering   Controls					Finish	Options	

<b>Color Temperature</b>	Color Rendering	Controls	Finish	Options
<b>50</b> - 5,000 CCT <b>40</b> - 4,000 CCT <b>35</b> - 3,500 CCT (80 CRI only) <b>30</b> - 3,000 CCT <b>27</b> - 2,700 CCT (80 CRI only)	<b>70CRI</b> - 70 CRI <b>80CRI</b> - 80 CRI	Blank - None Wireless Controls ALBMR1LR - AirLink Blue Long Range Wireless Multi-Range Sensor Controller (8-15' MH) <sup>2,3</sup> ALBMR2LR - AirLink Blue Long Range Wireless Multi-Range Sensor Controller (16 - 40' mounting height) <sup>2,3</sup> Standalone Controls EXT - 0-10v Dimming leads extended to housing exterior IMSBT1L - Integral Bluetooth™ Motion Sensor 8-24' MH <sup>2,3</sup> Button Type Photocells PCI120 - 120V PCI208-277 - 208 -277V PCI347 - 347V	BLK - Black BRZ - Dark Bronze GMG - Gun Metal Gray GPT - Graphite MSV - Metallic Silver PLP - Platinum Plus SVG - Satin Verde Green WHT - White	Blank - None BB - 10w Battery Back-up (0°C) <sup>4</sup> CWBB - 10w Cold Weather Battery Backup (-20°C) <sup>4</sup> BB20 - 20W Battery Back-up (0°C) <sup>4</sup> EH - Extended Housing <sup>5</sup> SP1 - 10kV Surge Protection Device



# Need more information? Click here for our glossary

**Have additional questions?** Call us at (800) 436-7800



Type: \_\_\_\_\_

#### **ACCESSORY ORDERING INFORMATION\***

Part Number	Description		
758274CLR XWS Extended Housing/Surface Conduit Wiring Box			
760159CLR	XWS Spacer Plate/Wiring Box		

<sup>\*</sup>Accessories are shipped separately and field installed.

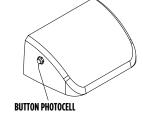
#### **Battery Backup**

- Emergency battery system provides 90-minutes of constant power to the LED system, ensuring code compliance.
- A test switch/indicator button is installed on the housing for ease of maintenance.
- 10w battery delivers ~1,500 lumens during emergency mode.
- 20w battery delivers ~3,000 lumens during emergency mode.

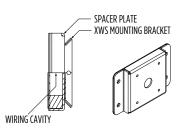


Luminaire shown with battery backup





LUMINAIRE SHOWN WITH PCI



- 1 Custom lumen and wattage packages available, consult factory. Values are within industry standard tolerances but not DLC listed.
- When high voltage (HV) is specified, IMSBT and ALBMRxLR control options are limited to 6L and 8L lumen packages.
- Sensors are field configurable via a phone app that can be downloaded from your smartphone's native app store.
- Universal Voltage Only (120-277V). 20W Battery Backup only available 1L 6L.
- 5 For applications with surface conduit.



#### **PERFORMANCE**

Delivered Lume	Delivered Lumens <sup>1</sup>											
I D	Distribustion		3000K CCT (70 CRI)		4000K	4000K CCT (70 CRI)		5000K CCT (70 CRI)			W-44	
Lumen Package	Lumen Package   Distribution   C	CRI	Delivered Lumens	Efficacy	Bug Rating	Delivered Lumens	Efficacy	Bug Rating	Delivered Lumens	Efficacy	Bug Rating	Wattage
	2		1,429	143	B1-U0-G1	1,524	152	B1-U0-G1	1,526	153	B1-U0-G1	
11.	3	70	1,491	149	B0-U0-G1	1,590	159	B0-U0-G1	1,592	159	B0-U0-G1	10
	FT		1,459	146	B0-U0-G1	1,556	156	B1-U0-G1	1,557	156	B1-U0-G1	
	2		1,851	142	B1-U0-G1	1,974	152	B1-U0-G1	1,976	152	B1-U0-G1	
2L	3	70	1,930	148	B1-U0-G1	2,058	158	B1-U0-G1	2,060	158	B1-U0-G1	13
	FT		1,889	145	B1-U0-G1	2,015	155	B1-U0-G1	2,017	155	B1-U0-G1	
	2		2,765	146	B1-U0-G1	2,950	155	B1-U0-G1	2,953	155	B1-U0-G1	
3L	3	70	2,884	152	B1-U0-G1	3,077	162	B1-U0-G1	3,079	162	B1-U0-G1	19
	FT		2,822	149	B1-U0-G1	3,010	158	B1-U0-G1	3,012	159	B1-U0-G1	
	2		4,655	133	B2-U0-G1	4,965	142	B2-U0-G1	4,970	142	B2-U0-G1	
5L	3	70	4,855	139	B1-U0-G1	5,179	148	B1-U0-G1	5,184	148	B1-U0-G1	35
	FT		4,750	136	B1-U0-G2	5,067	145	B1-U0-G2	5,072	145	B1-U0-G2	
	2		5,578	130	B2-U0-G1	5,950	138	B2-U0-G2	5,956	139	B2-U0-G2	
6L	3	70	5,819	135	B1-U0-G2	6,207	144	B1-U0-G2	6,214	145	B1-U0-G2	43
	FT		5,693	132	B1-U0-G2	6,073	141	B1-U0-G2	6,079	141	B1-U0-G2	
	2		7,531	123	B2-U0-G2	8,034	132	B2-U0-G2	8,041	132	B2-U0-G2	
8L	3	70	7,856	129	B2-U0-G2	8,380	137	B2-U0-G2	8,388	138	B2-U0-G2	61
	FT		7,687	126	B2-U0-G2	8,199	134	B2-U0-G2	8,207	135	B2-U0-G2	

<b>LUMEN SCALING FACTOR</b>		
70CRI - 80CRI	3000K 70CRI - 3500K 80CRI	3000K 70CRI - 2700K 80CRI
0.93	1.00	0.86

Electrical Data - Cu	Electrical Data - Current Draw AMPS <sup>2</sup>						
Lumen Package	120V	208V	240V	277V	347V	480V	
1L	0.08	0.05	0.04	0.04	0.03	0.02	
2L	0.11	0.06	0.05	0.05	0.04	0.03	
3L	0.16	0.09	0.08	0.07	0.05	0.04	
5L	0.29	0.17	0.15	0.13	0.10	0.07	
6L	0.36	0.21	0.18	0.16	0.12	0.09	
8L	0.51	0.29	0.25	0.22	0.18	0.13	

Recommended Lumen Maintenance – XWS <sup>3</sup>						
Ambient Temperature C <sup>o</sup>	Initial <sup>4</sup>	25K hrs.4	50K hrs.4	75K hrs.5	100K hrs.5	
25	100%	95%	90%	85%	80%	
40	100%	91%	82%	73%	65%	

<sup>5</sup> In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times NA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip).



Type:\_\_\_\_\_

<sup>1 1</sup>L not available in HV

<sup>2 1</sup>L not available with controls.

<sup>3</sup> Lumen maintenance values at 25°C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing.

<sup>4</sup> In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X)the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip).



#### **PHOTOMETRICS**

Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

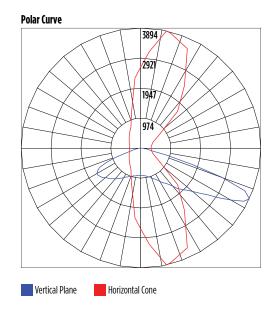
See the individual product page on https://www.lsicorp.com/ for detailed photometric data.

#### XWS-LED-6L-SIL-2-40-70CRI

Luminaire Data				
Type 2 Distribution				
Description	4000 Kelvin, 70 CRI			
Delivered Lumens	5,951			
Watts	42.5			
Efficacy	138			
IES Type	Type II - Short			
BUG Rating	B1-U0-G1			

Zonal Lumen Summary					
Zone	Lumens	% Luminaire			
Low (0-30°)	834	20%			
Medium (30-60°)	3,379	50%			
High (60-80°)	1,647	28%			
Very High (80-90°)	91	1%			
Uplight (90-180°)	0	0%			
Total Flux	5,951	100%			

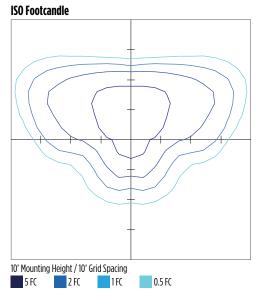
# 10' Mounting Height / 10' Grid Spacing 5 FC 2 FC 1 FC 0.5 FC

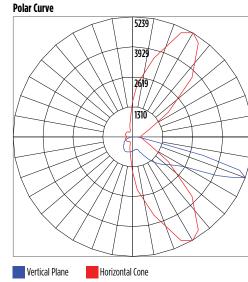


#### XWS-LED-6L-SIL-3-40-70CRI

Luminaire Data					
Type 3 Distribution					
Description	4000 Kelvin, 70 CRI				
Delivered Lumens	6,208				
Watts	42.5				
Efficacy	146				
IES Type	Type III - Medium				
BUG Rating	B1-U0-G2				

Zonal Lumen Summary					
Zone	Lumens	% Luminaire			
Low (0-30°)	582	9%			
Medium (30-60°)	2,997	48%			
High (60-80°)	2,506	40%			
Very High (80-90°)	124	2%			
Uplight (90-180°)	0	0%			
Total Flux	6,208	100%			





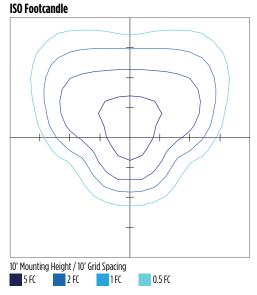


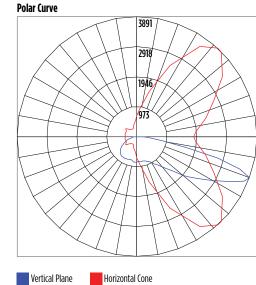
#### **PHOTOMETRICS**

#### XWS-LED-6L-SIL-FT-40-70CRI

Luminaire Data					
Type FT Distribution					
<b>Description</b> 4000 Kelvin, 70 CRI					
Delivered Lumens	6,073				
Watts	42.5				
Efficacy 143					
IES Type	Type IV - Short				
BUG Rating B1-U0-G2					

Zonal Lumen Summary				
Zone	Lumens	% Luminaire		
Low (0-30°)	708.3	12%		
Medium (30-60°)	2,715.5	45%		
High (60-80°)	2,475.4	41%		
Very High (80-90°)	173.6	3%		
Uplight (90-180°)	0	0%		
Total Flux	6,073	100%		

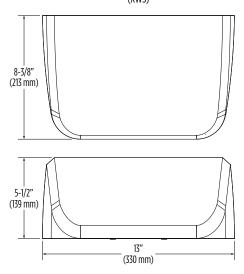


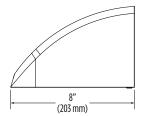


Type : \_\_\_\_\_

#### PRODUCT DIMENSIONS

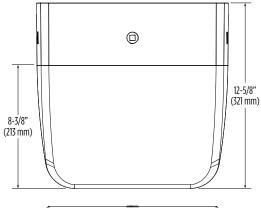
# STANDARD HOUSING (XWS)

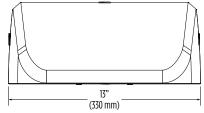


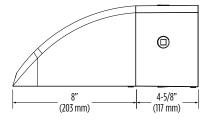


# SCWB EXTENDED HOUSING









#### XWS SPACER PLATE/WIRING BOX

**NOTE:** Wall spacer plate allows the luminaire to float off the wall and provides space for securing wires (8.25" X 5.25" X 1.07").



#### **CONTROLS**

#### Integral Bluetooth™ Motion and Photocell Sensor (IMSBTxL)

Slim low profile sensor provides multi-level control based on motion and/or daylight. Sensor controls 0-10 VDC LED drivers and is IP66 rated for cold and wet locations (-40°F to 167°F). Two unique PIR lenses are available and used based on fixture mounting height. All control parameters are adjustable via an iOS or Android App capable of storing and transmitting sensor profiles.

Click here to learn more details about IMSBT







**LEVITON App** 

Appl

e And

#### AirLink Wireless Lighting Controller (ALSC, ALSCS)

The AirLink integrated controller is a California Title 24 compliant lighting controller that provides real-time light monitoring and control with utility-grade power monitoring. It includes a 24V sensor input and power supply to connect a sensor into the outdoor AirLink wireless lighting system. The wireless integrated controller is compatible with this fixture.

Click here to learn more details about AirLink

#### AirLink Blue (ALBMRxLR)

Wireless Bluetooth Mesh Outdoor Lighting Control System that provides energy savings, code compliance and enhanced safety/security for parking lots and parking garages. Three key components; Bluetooth wireless radio/sensor controller, Time Keeper and an iOS App. Capable of grouping multiple fixtures and sensors as well as scheduling time-based events by zone. Radio/Sensor Controller is factory integrated into Area/Site, Wall Mounted, Parking Garage and Canopy luminaires.

Click here to learn more details about AirLink Blue





AirLink Blue App

Alaga

#### **Sensor Sequence of Operations**

Standard Programming	On Event	Off Event	On Light Level	Dim Light Level	Daylight Harvesting	Delay To Off	Sensitivity
IMSBTxL	Motion	No Motion	100%	N/A	On; Auto Calibration	20 minutes	High

Operation	Description				
On Event	Trigger that activates lights to turn on; either automatic via motion detected or manually activated via push of button.				
Off Event	Trigger that activates lights to turn off; either automatic via no motion detected or manually activated via push of button.				
On Light Level	The light level that the fixtures will turn on to when ON EVENT occurs.				
Dim Light Level	The light level that the fixtures will dim down to when no motion is detected.				
Delay to Dim	The amount of time after which no motion is detected that the fixtures will be triggered to dim down. This sequence is optional, and sensor can be programmed to only trigger the fixture to turn off by entering 100% in this field.				
Delay to Off	The amount of time after which no motion is detected that the fixtures will be triggered to turn off. If delay to dim is part of the programmed functionality, this is the amount of time after which no motion is detected after the fixture have already dimmed down.				
Sensitivity	The sensitivity can be set to high, medium, low, or auto where applicable. High will detect smaller, simple motions. Low will only detect larger more complex motions. Auto temperature calibration adjusts the PIR sensitivity as ambient temperature rises to increase detection of heat movement through the field of view.				

Type: \_\_\_



July 1, 2025

Mr. Ryan Miller
City of Rockwall Director of Planning
City Hall 385 S. Goliad
Rockwall, TX 75087

Re: SP2025-021 Exceptions/Variance Requested

Fuel City (Retail)

NWC Airport Rd. & John King Blvd.

Rockwall, TX 75087

Dear Mr. Miller,

This letter serves as a summary Request for Exception/Variances to the UDC. Zoning – Commercial for commercial land uses within the SH-205 By-Pass Overlay.

The variances include:

1. Driveway spacing. Subsection 06.02 of Article 5

We are requesting an exception to spacing along Airport

2. Dumpster orientation. Subsection

We are requesting an exception

3. Nichiha materials. Subsection 06.02 of Article 5

We are requesting an exception to use this cementitious material as part of the building design as per elevations.

4. Cementitious material within 4'-0" of grade. Subsection 06.02 of Article 5

We are requesting an exception to the cementitious material within four feet of grade as per the elevations.

5. Four-sided architecture. Subsection 06.02 of Article 5

We are requesting an exception on this for the carwash as per building elevations. C-Store meets this requirement

Compensatory items we are providing for these exceptions/variances.

1. Enhanced landscaping along John King will be provided as shown on the landscape plan. We understand that by providing this enhanced area this should satisfy the compensatory items for the variance above.

Thank you for your consideration and reviewing our request.

Sincerely,

Jared Earney, P.E. Kimley-Horn













DATE: July 29, 2025

TO: Jared Earney

Kimley-Horn & Associates

225 E. John W. Carpenter Freeway, Suite 1100

Irving, TX 75062

FROM: Henry Lee, Senior Planner

City of Rockwall Planning and Zoning Department

385 S. Goliad Street Rockwall, TX 75087

SUBJECT: SP2025-021; Site Plan for Fuel City

Jared Earney,

This letter serves to notify you that the above referenced case (*i.e.* Site Plan) that you submitted for consideration by the City of Rockwall was approved by the Planning and Zoning Commission on July 15, 2025. The following is a record of all recommendations, voting records:

#### Conditions of Approval:

- (1) All staff comments provided by the Planning, Engineering and Fire Department must be addressed prior to the submittal of engineering plans; and,
- (2) Any construction resulting from the approval of this *Site Plan* shall conform to the requirements set forth by the Unified Development Code (UDC), the International Building Code (IBC), the Rockwall Municipal Code of Ordinances, city adopted engineering and fire codes and with all other applicable regulatory requirements administered and/or enforced by the state and federal government.

#### Planning and Zoning Commission

On July 15, 2025, the Planning and Zoning Commission approved a motion to approve the site plan by a vote of 6-1, with Commissioner Hagaman dissenting.

Should you have any guestions or concerns regarding your site plan case, please feel free to contact me at (972) 772-6434.

Sincerely,

Henry Lee, AICP, Senior Planner

City of Rockwall Planning and Zoning Department