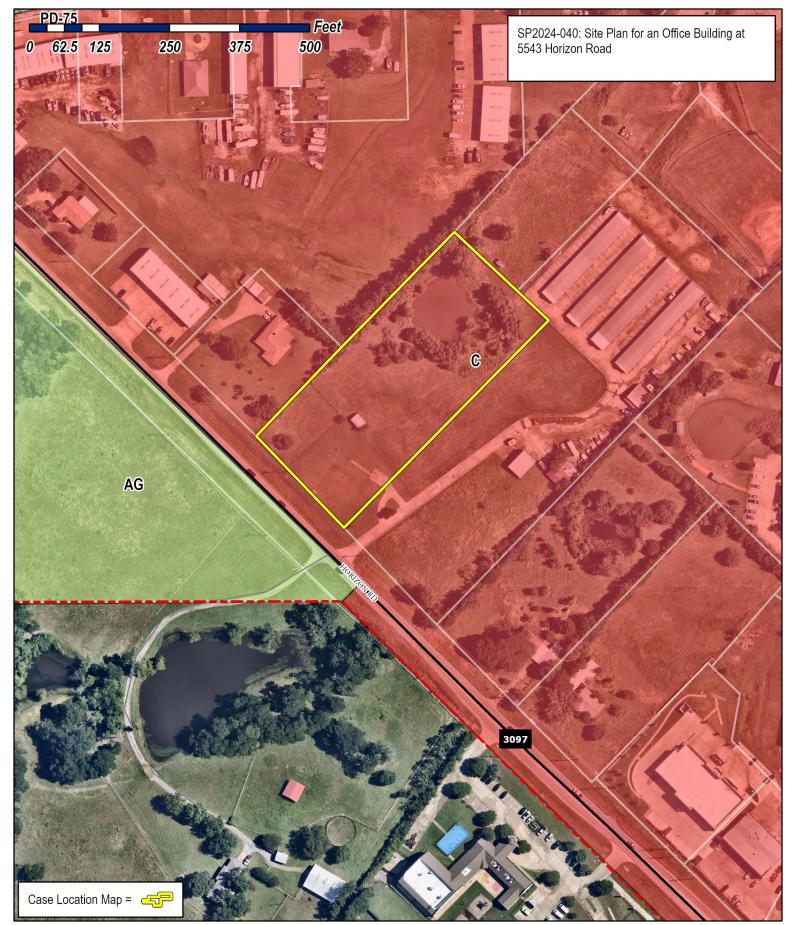
PI FASE CHECK THE	DEVELOPMENT APPLICA City of Rockwall Planning and Zoning Department 385 S. Goliad Street Rockwall, Texas 75087		PLANN Note: City U Signe: Direc City E	F USE ONLY NING & ZONING CASE NO. THE APPLICATION IS NOT CON INTIL THE PLANNING DIRECTOR D BELOW. TOR OF PLANNING: ENGINEER: UEST ISELECT ONLY ONE BO	R AND CITY ENGINEER HAVE
PLATTING APPLIC MASTER PLAT PRELIMINARY FINAL PLAT (\$3 REPLAT (\$300.) AMENDING OR PLAT REINSTA SITE PLAN APPLIC SITE PLAN (\$25	CATION FEES: (\$100.00 + \$15.00 ACRE) ¹ PLAT (\$200.00 + \$15.00 ACRE) ¹ 300.00 + \$20.00 ACRE) ¹ 00 + \$20.00 ACRE) ¹ MINOR PLAT (\$150.00) TEMENT REQUEST (\$100.00)	ATION FEES: NGE (\$200.00 + \$15.00 ACRE) E PERMIT (\$200.00 + \$15.00 A MENT PLANS (\$200.00 + \$15.0 ATION FEES: AL (\$75.00) EQUEST/SPECIAL EXCEPTION E FEE, PLEASE USE THE EXACT ACRE OR REQUESTS ON LESS THAN ONE AC ILL BE ADDED TO THE APPLICATION TION WITHOUT OR NOT IN COMPLIAN	1 CRE) 1 & 2 00 ACRE) 1 NS (\$100.00) 2 GRE WHEN MULTIPLYING BY THE RE, ROUND UP TO ONE (1) ACRE. I FEE FOR ANY REQUEST THAT		
	ORMATION [PLEASE PRINT]	the local starts			মান চেনেতের মান চেনেতের
ADDRES					
SUBDIVISIO	N N/A			LOT	BLOCK
GENERAL LOCATIO	N NE side of Horizon Rd approximately 100	00ft south of C	Count	ty Line Rd.	
ZONING, SITE P	LAN AND PLATTING INFORMATION [PLEAS	E PRINT]			4
CURRENT ZONING	G C	CURRENT L	JSE	Undeveloped/Agricult	ural
PROPOSED ZONING	3 No Change	PROPOSED L	JSE	Commercial Office/Re	ətail
ACREAG	E 2.72 AC LOTS [CURRENT]	1		LOTS [PROPOSED	0] 2
REGARD TO ITS	D PLATS: BY CHECKING THIS BOX YOU ACKNOWLEDGE TH APPROVAL PROCESS, AND FAILURE TO ADDRESS ANY OF S DENIAL OF YOUR CASE.	HAT DUE TO THE P STAFF'S COMMENT	PASSA S BY 1	GE OF <u>HB3167</u> THE CITY NO L THE DATE PROVIDED ON THE D	ONGER HAS FLEXIBILITY WITH DEVELOPMENT CALENDAR WILL
OWNER/APPLIC	ANT/AGENT INFORMATION [PLEASE PRINT/CHI	A		ACT/ORIGINAL SIGNATURES A	RE REQUIRED]
	Saro Partners, LLC		NT	BGE Inc.	
CONTACT PERSON	Shawn Valk	CONTACT PERSO	ON	Mckenzie Joseck	
ADDRESS	1450 S. T L Townsend, Suite 100	ADDRES	SS	700 N Pearl St.	
				Suite 2100	
CITY, STATE & ZIP	Rockwall, TX 75032	CITY, STATE & Z	ZIP	Dallas, TX 75201	
PHONE	469-222-1597	PHON	NE	972-372-9423	
E-MAIL	Shawnvalk@gmail.com	E-MA	AIL	mjoseck@bgeinc.com	
BEFORE ME, THE UNDER STATED THE INFORMAT	CATION [REQUIRED] RSIGNED AUTHORITY, ON THIS DAY PERSONALLY APPEARED ION ON THIS APPLICATION TO BE TRUE AND CERTIFIED THE TAM THE OWNER FOR THE PURPOSE OF THIS APPLICATION; AL 	FOLLOWING: L INFORMATION SUE S BEEN PAID TO THE E THAT THE CITY O ALSO AUTHORIZED	BMITTE CITY (F ROC AND	ED HEREIN IS TRUE AND CORREC OF ROCKWALL ON THIS THE KWALL (I.E. "CITY") IS AUTHORIZI PERMITTE TO A REQUIST FOR MULLIC INFO	DAY OF
NOTARY PUBLIC IN AND	FOR THE STATE OF TEXAS	/		MY COMMISSION EXPIR	RES OCTODOR 27,2021
D	EVELOPMENT APPLICATION • CITY OF ROCKWALL • 385 SO	UTH GOLIAD STREE	ET • R	OCKWALL, TX 75087 • [P] (972,	

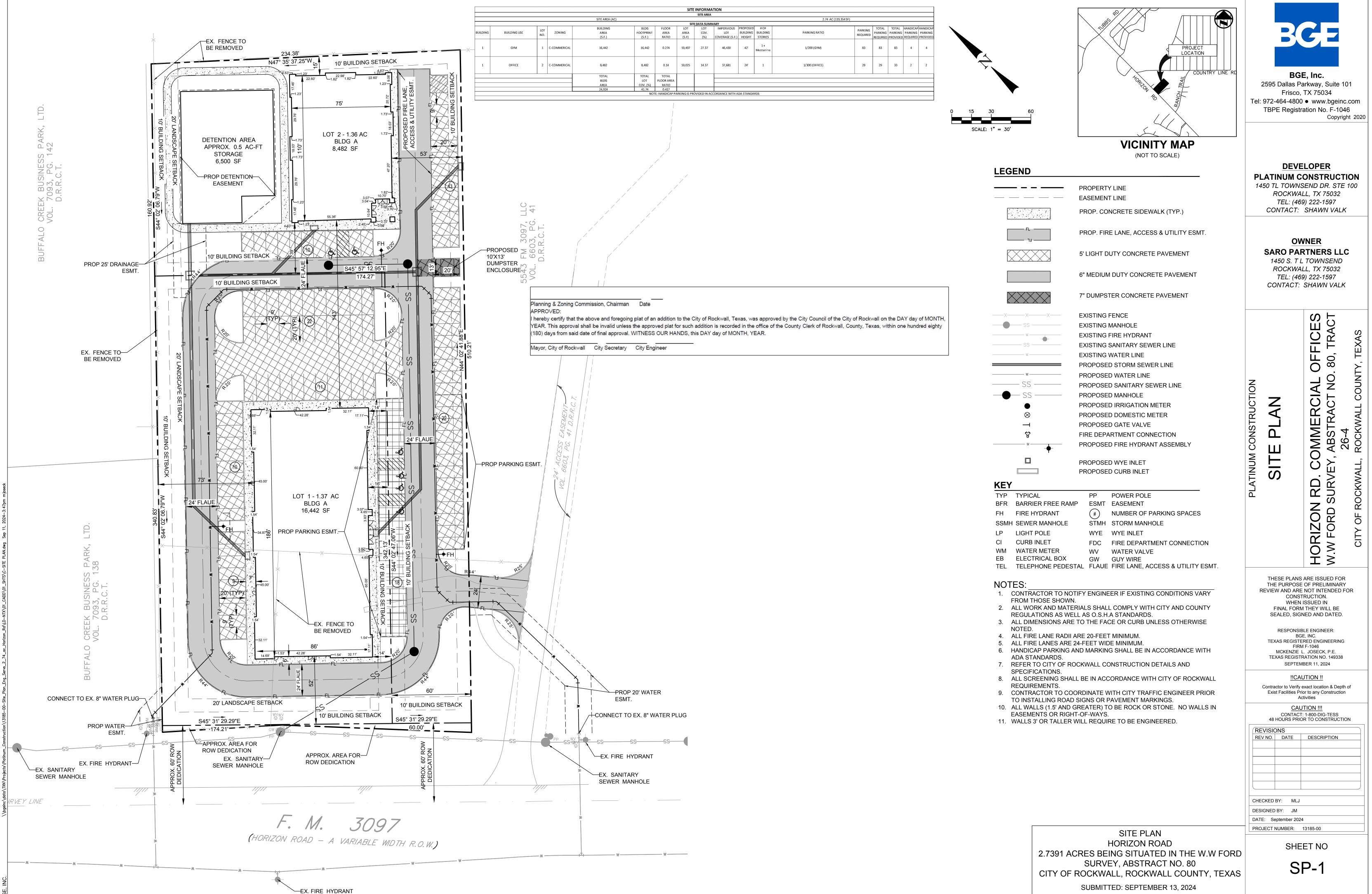


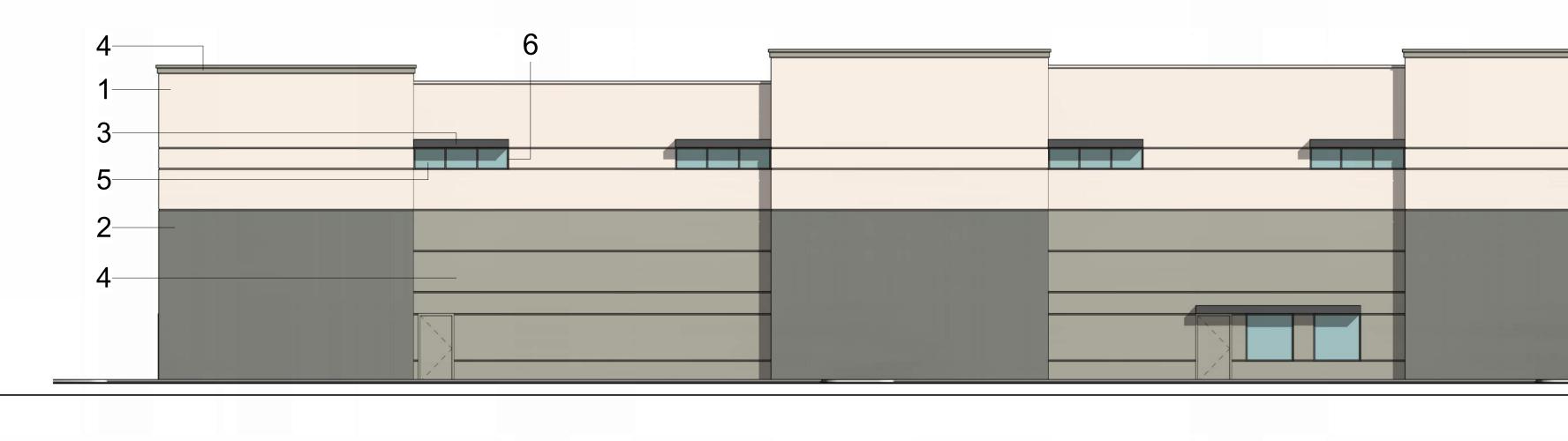


City of Rockwall Planning & Zoning Department 385 S. Goliad Street Rockwall, Texas 75087 (P): (972) 771-7745 (W): www.rockwall.com

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NORTH ELEVATION 3/32" = 1'-0"

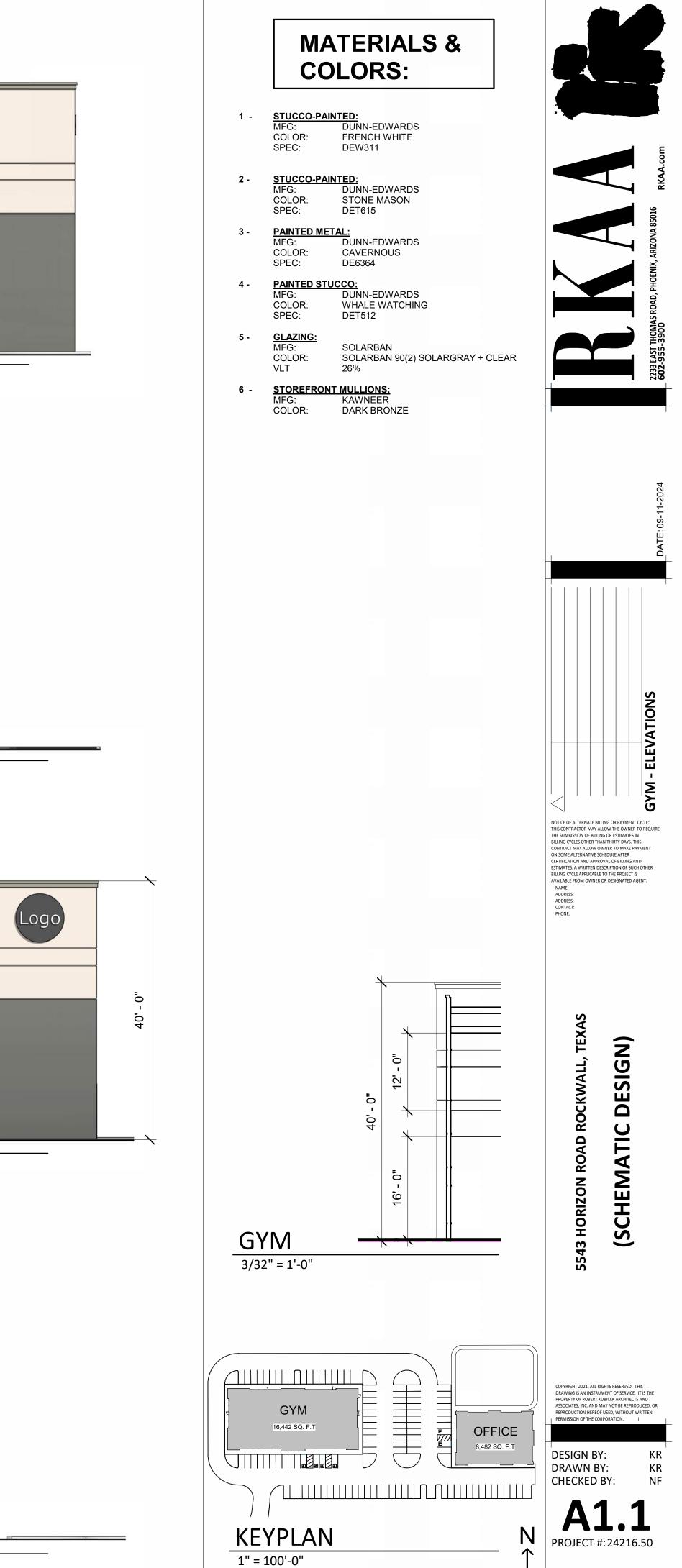


3/32" = 1'-0"

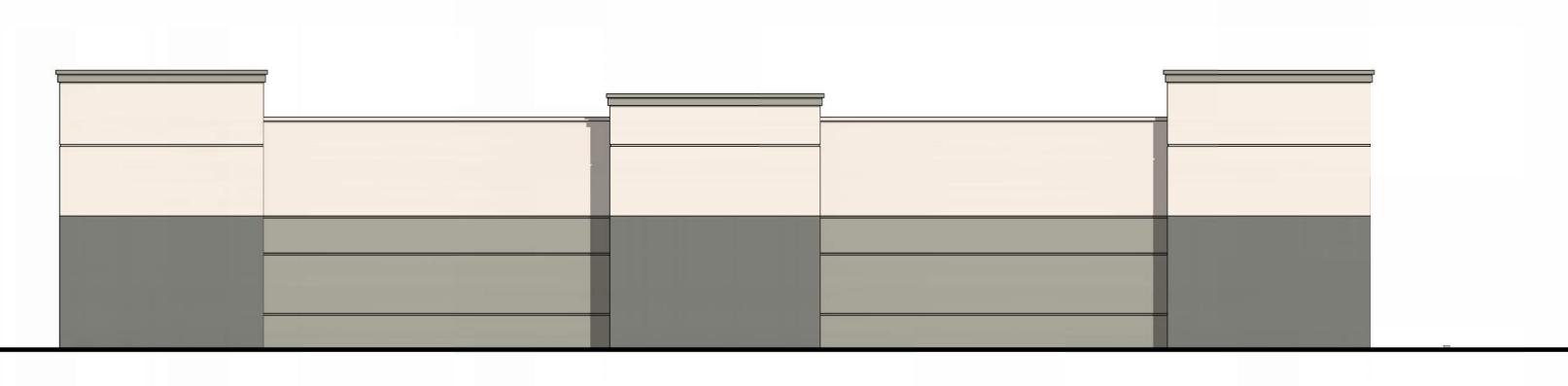










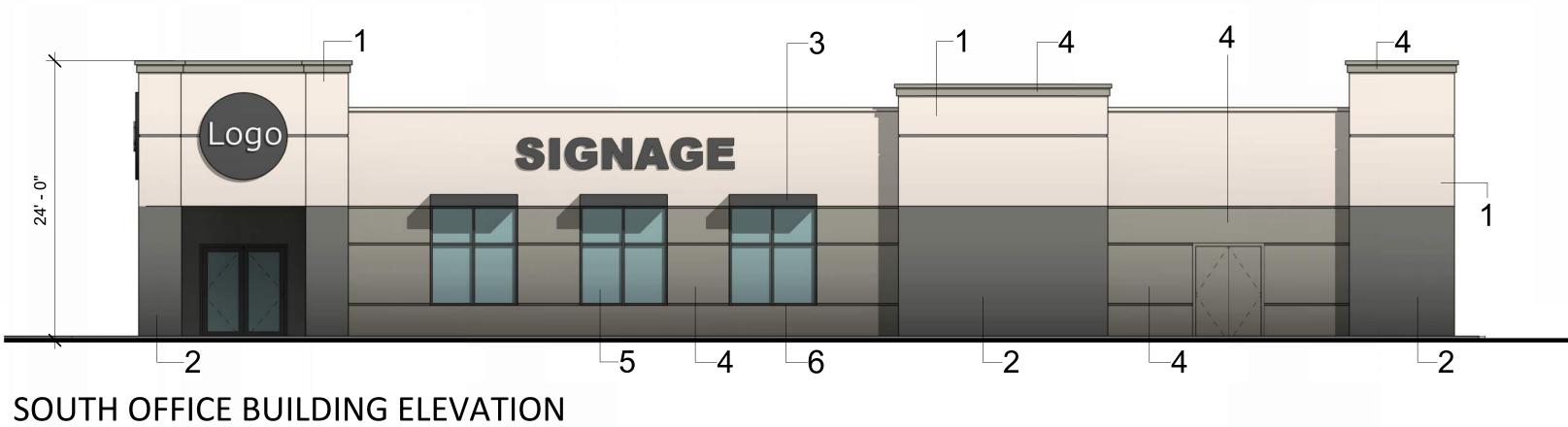


NORTH OFFICE BUILDING ELEVATION

1/8" = 1'-0"

WEST OFFICE BUILDING ELEVATION

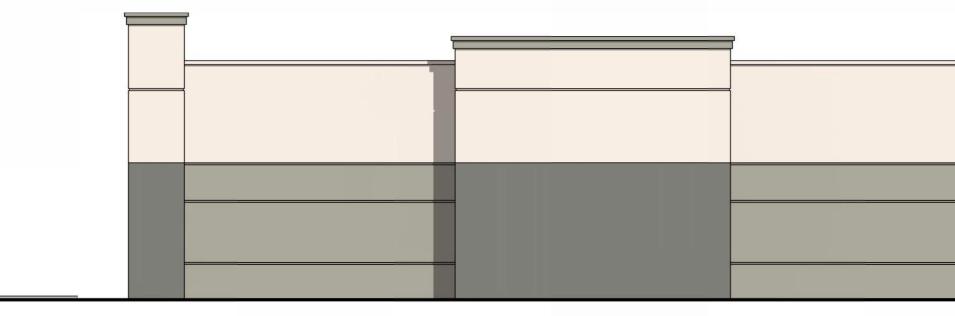
1/8" = 1'-0"



1/8" = 1'-0"

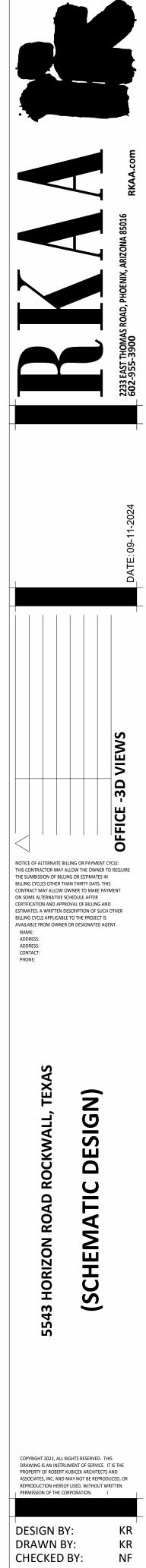






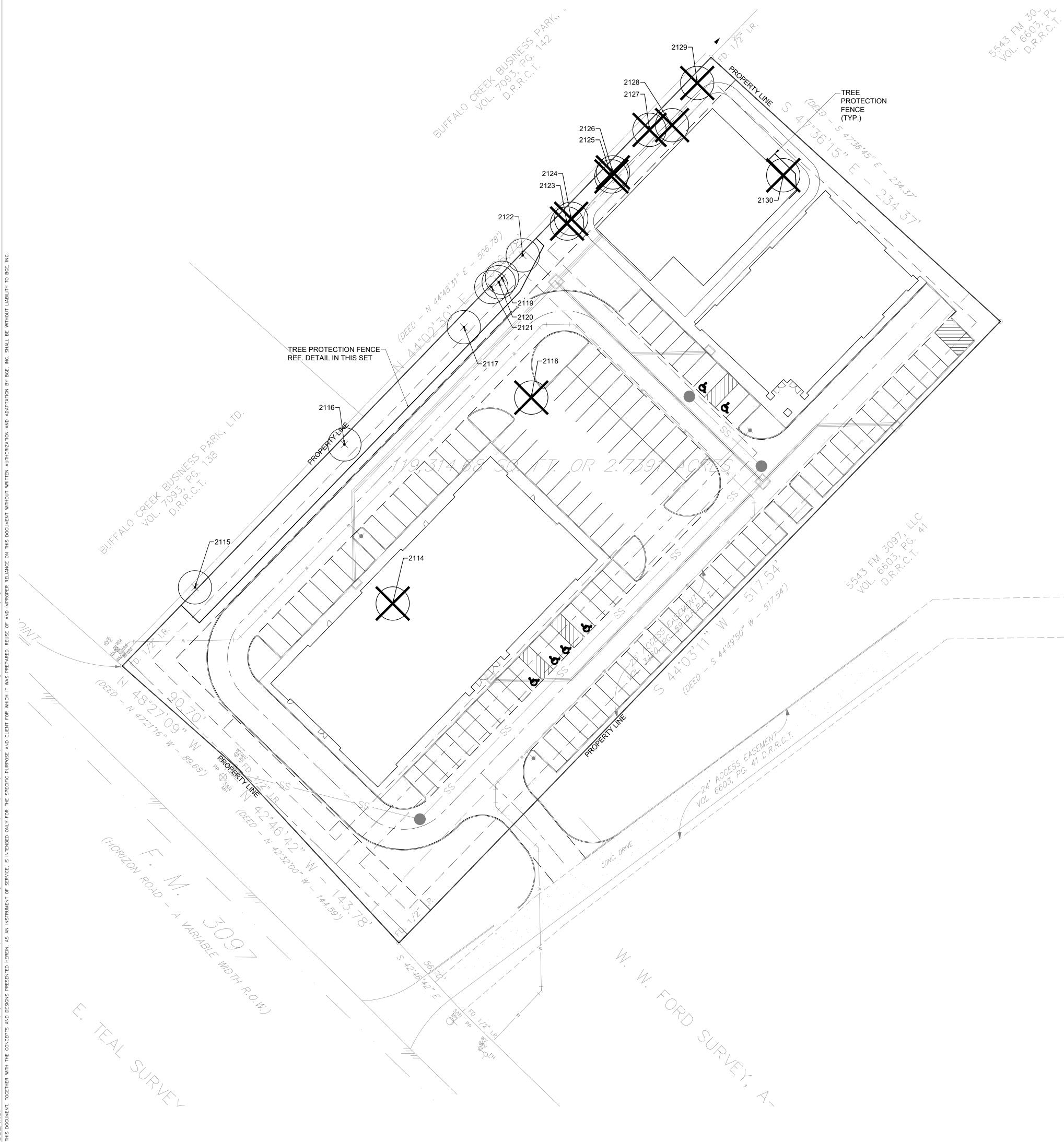


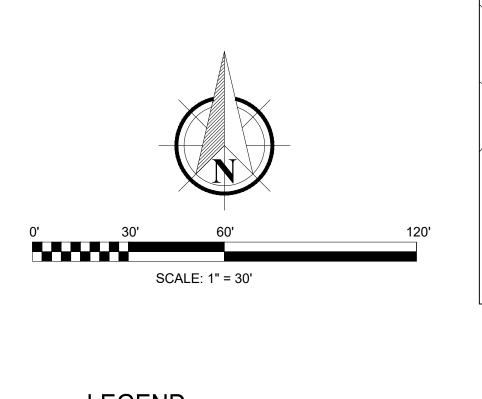






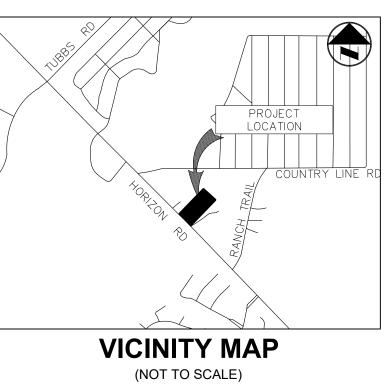
NF





LEGEND ٠

TA 0#	DDU	COMMON	SCIENTIFIC		0747110	MITIGATIO
TAG#	DBH	NAME	NAME		STATUS	
2114	4"	Hercules Club	Zanthoxylum clava-herculis		Demo	0
2115	11"	Sugarberry	Celtis laevigata		Remain	0
2116	14.5"	Sugarberry	Celtis laevigata		Remain	0
2117	18"	Sugarberry	Celtis laevigata		Remain	0
2118	25"	Sugarberry	Celtis laevigata		Demo	12.5
2119	16.5"	Sugarberry	Celtis laevigata		Remain	0
2120	11.5"	Sugarberry	Celtis laevigata		Remain	0
2121	16"	Sugarberry	Celtis laevigata		Remain	0
2122	16.5"	Sugarberry	Celtis laevigata		Remain	0
2123	23"	Sugarberry	Celtis laevigata		Demo	11.5
2124	15"	Sugarberry	Celtis laevigata		Demo	7.5
2125	14"	Sugarberry	Celtis laevigata		Demo	7
2126	11"	Eastern Red Cedar	Juniperus virginiana		Demo	5.5
2127	23"	Sugarberry	Celtis laevigata		Demo	11.5
2128	13"	Sugarberry	Celtis laevigata		Demo	6.5
2129	22"	Sugarberry	Celtis laevigata		Demo	11
2130	7"	Hercules Club	Zanthoxylum clava-herculis		Demo	0
				TOTAL MITIGATIO	N INCHES	73



PRESERVED TREE

TREE TO BE REMOVED

TREE PROTECTION FENCE

C 3

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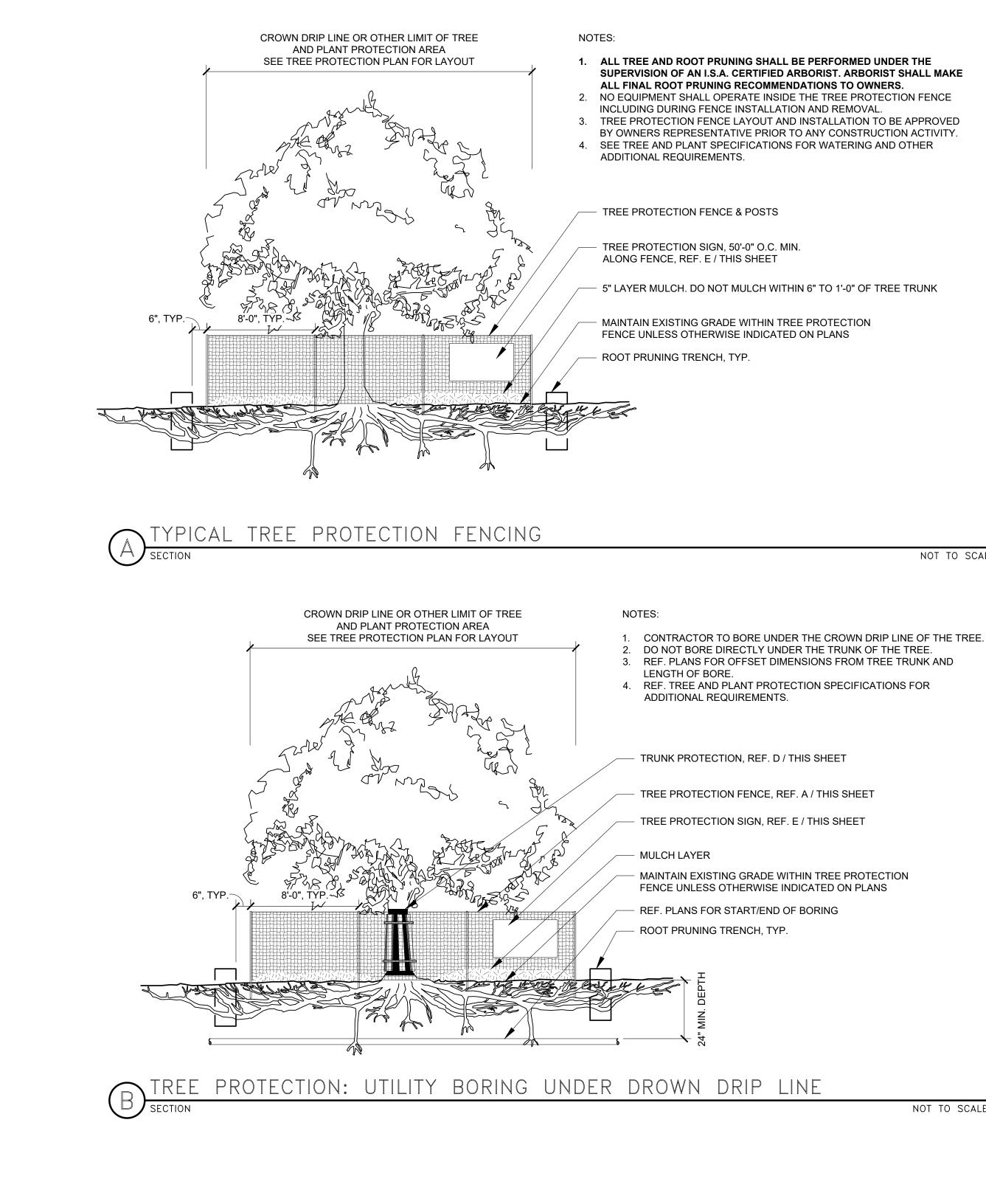
DEVELOPER PLATINUM CONSTRUCTION 1450 TL TOWNSEND DR. STE 100 ROCKWALL, TX 75032 TEL: (469) 222-1597 CONTACT: SHAWN VALK

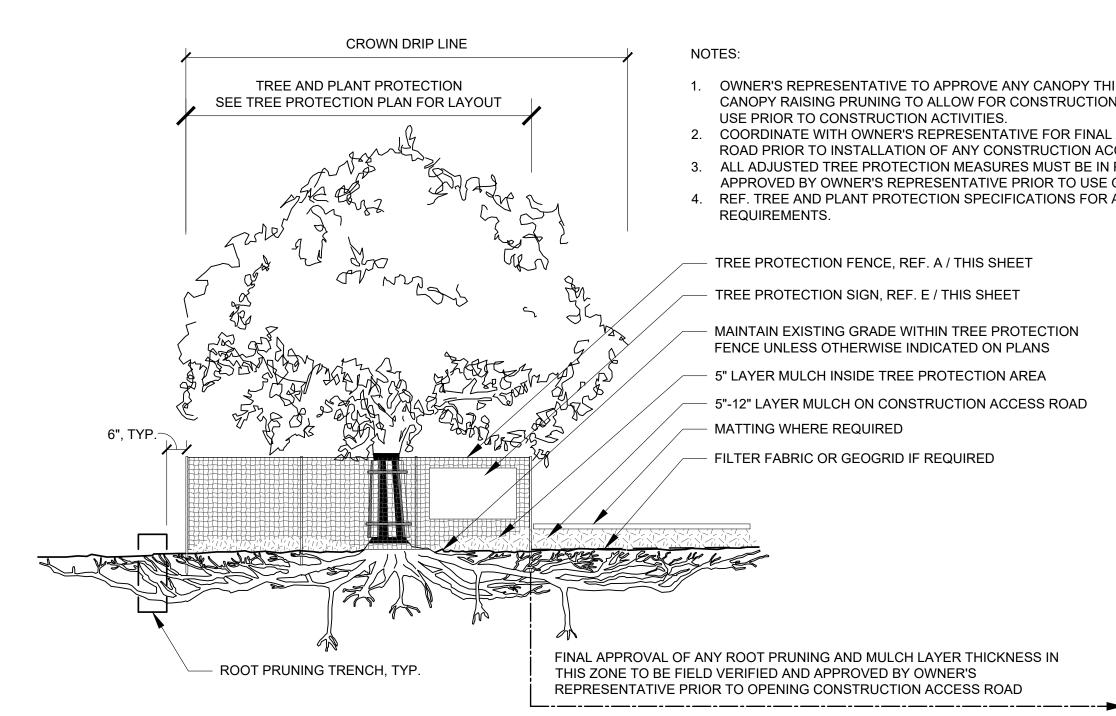
OWNER SARO PARTNERS LLC 1450 S. T L TOWNSEND ROCKWALL, TX 75302 TEL: (000) 000-0000 CONTACT: JAY KANTER





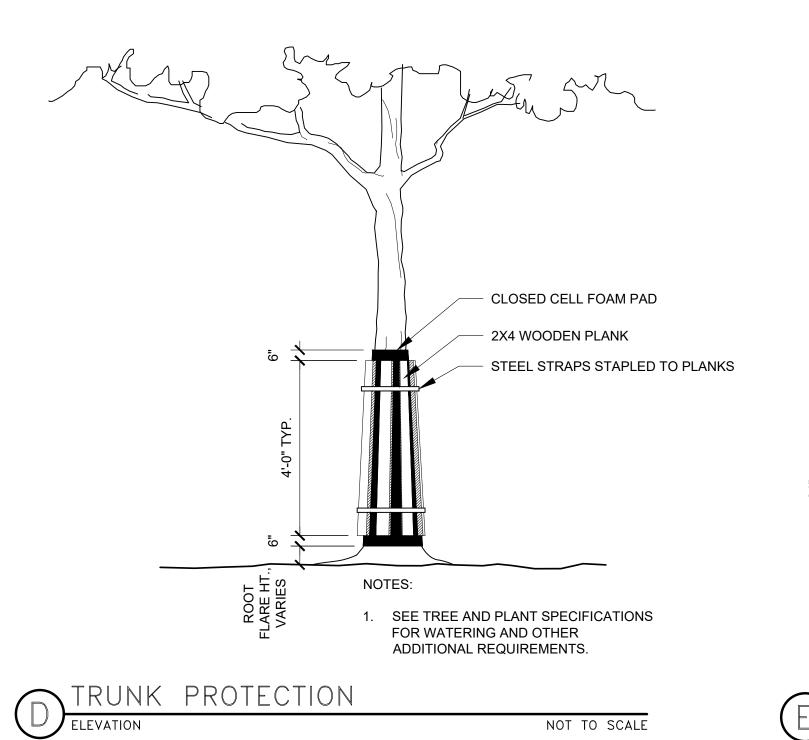
Know what's below. Call before you dig. (@ least 48 hours prior to digging) TREE PRESERVATION PLAN





NOT TO SCALE





NOT TO SCALE



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DEVELOPER PLATINUM CONSTRUCTION 1450 TL TOWNSEND DR. STE 100 ROCKWALL, TX 75032 TEL: (469) 222-1597 CONTACT: SHAWN VALK

OWNER						
SARO PARTNERS LLC						
1450 S. T L TOWNSEND						
ROCKWALL, TX 75302						
TEL: (000) 000-0000						
CONTACT: JAY KANTER						

CITY SUBMITTAL SET			HORIZON RD. COMMERCIAL OFFICES	W.W FORD SURVEY, ABSTRACT NO. 80, TRACT 26-4	CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS				
	THESE PLANS ARE ISSUED FOR THE PURPOSE OF PRELIMINARY REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION. WHEN ISSUED IN FINAL FORM THEY WILL BE SEALED, SIGNED AND DATED. RESPONSIBLE LANDSCAPE ARCHITECT: MICHAEL STOTTLER, PLA TEXAS REGISTRATION NO. 3743								
	TEX	AS REGISTE	E, INC. Ered Eng F—1046 9/11/2024						
		actor to Verify st Facilities Pr		ion & Depth o	f				
	40	CONTACT	JTION !!! [: 1-800-DIC						
	48 REVISIO REV NO.		DESCR						
DA	DESIGNED BY: NPS DATE: 9/11/2024								
PF	ROJECT	NUMBER:	13185-00						
	SHEET NO								

L1.01

TREE PRESERVATION DETAILS



NOT TO SCALE

Know what's below. Call before you dig. (@ least 48 hours prior to digging)

1. OWNER'S REPRESENTATIVE TO APPROVE ANY CANOPY THINNING AND/OR CANOPY RAISING PRUNING TO ALLOW FOR CONSTRUCTION ACCESS ROAD USE PRIOR TO CONSTRUCTION ACTIVITIES. 2. COORDINATE WITH OWNER'S REPRESENTATIVE FOR FINAL APPROVAL OF ROAD PRIOR TO INSTALLATION OF ANY CONSTRUCTION ACCESS ROAD.

ALL ADJUSTED TREE PROTECTION MEASURES MUST BE IN PLACE AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO USE OF ROAD. REF. TREE AND PLANT PROTECTION SPECIFICATIONS FOR ADDITIONAL

TREE PROTECTION FENCE, REF. A / THIS SHEET

TREE PROTECTION SIGN, REF. E / THIS SHEET

MAINTAIN EXISTING GRADE WITHIN TREE PROTECTION FENCE UNLESS OTHERWISE INDICATED ON PLANS

5" LAYER MULCH INSIDE TREE PROTECTION AREA

5"-12" LAYER MULCH ON CONSTRUCTION ACCESS ROAD - MATTING WHERE REQUIRED

- FILTER FABRIC OR GEOGRID IF REQUIRED

FINAL APPROVAL OF ANY ROOT PRUNING AND MULCH LAYER THICKNESS IN REPRESENTATIVE PRIOR TO OPENING CONSTRUCTION ACCESS ROAD

NOT TO SCALE



NOTE: CONTRACTOR TO PROVIDE PHONE NUMBER INFORMATION



GENERAL LANDSCAPE SPECIFICATIONS AND NOTES

A. SCOPE OF WORK

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 OF 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 TWO HUNDRED DOLLARS (\$200) PER CALIPER INCH ON AN ESCALATING SCALE WHICH ADDS AN ADDITIONAL TWENTY (20) PERCENT PER INCH OVER FOUR (4) INCHES CALIPER AS FIXED AND AGREED LIQUIDATED DAMAGES. CALIPER SHALL BE MEASURED AT SIX (6) INCHES ABOVE GROUND LEVEL FOR TREES UP TO AND INCLUDING FOUR (4) INCHES IN CALIPER AND AT TWELVE (12) INCHES ABOVE GROUND LEVEL FOR TREES OVER FOUR (4) INCHES IN CALIPER.

D. MATERIALS

1. GENERAL

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 MAY BEGIN.

- MATERIALS SAMPLES MULCH ONE (1) CUBIC FOOT 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. 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 "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, 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 BE PROVIDED.
- 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 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, 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 PLANT GROWTH.
- 2. BACK TO NATURE COTTON BURR COMPOST OR APPROVED EQUIVALENT.
- 3. COMPOST: DECOMPOSED ORGANIC MATERIAL INCLUDING LEAF LITTER, MANURE, SAWDUST, PLANT TRIMMINGS AND/OR HAY, MIXED WITH SOIL.
- 4. PECAN HULLS: COMPOSTED PECAN HULLS FROM 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, WITH A MINIMUM OF 99 PERCENT PASSING NO. 6 SIEVE AND A MAXIMUM OF 10 PERCENT PASSING NO. 40 SIEVE.
- 3. IRON SULFATE: GRANULATED FERROUS SULFATE CONTAINING A MINIMUM OF 20 PERCENT IRON AND 10 PERCENT SULFUR.
- 4. AGRICULTURAL GYPSUM: FINELY GROUND, CONTAINING A MINIMUM OF 90 PERCENT CALCIUM SULFATE.
- 5. SAND: CLEAN, WASHED, NATURAL OR MANUFACTURED, FREE OF TOXIC MATERIALS.

c. PLANTING SOIL MIX

PLAN.

- APPROVED EQUAL 2. PLANTING MEDIUM CONTAINING 75 PERCENT SPECIFIED TOPSOIL MIXED WITH 15 PERCENT ORGANIC SOIL AMENDMENTS AND 10 PERCENT SHARP WASHED SAND. TILL TO DEPTH OF 12" OR AS OTHERWISE NOTED. FINISHED GRADES OF PLANTING BEDS TO
- 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.

I. WATER

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 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.

J. 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 SPECIFICATIONS:

1. SHRUBS AND TREES - SUSTANE BLEND 16-4-8, OR APPROVED EQUAL 2. ANNUALS AND GROUNDCOVERS - OSMOCOTE/SIERRA BLEND 14-14-14 OR APPROVED EQUAL 3. SOD - 8-8-8 FERTILIZER OR APPROVED EQUAL

K. MULCH

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 AND GRADE.

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 WITH 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 PER DETAIL.

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 PREPARED SUB- BASES.

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 AND LANDSCAPE ARCHITECT.

N. COLLECTED STOCK

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.

P. MATERIALS LIST

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

Q. FINE GRADING

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.

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

BE 2" BELOW FINISHED GRADE OF ADJACENT PAVING OR AS SHOWN ON GRADING

R. PLANTING PROCEDURES

1. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN UP JOB SITE 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 CONDITIONS DURING EXCAVATION 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 SITE.

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 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

- THREE (3) TABLETS PER 3 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 HOLE 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 PROPERTY.

15. MULCHING: PROVIDE A THREE (3) INCH MINIMUM LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA OF EACH SHRUB BED, GROUND COVER, 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, AN APPROVED CHEMICAL HERBICIDE 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, IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE APPLICABLE DRAWINGS TO PRODUCE A GRASS LAWN ACCEPTABLE TO THE OWNER.

2. 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.

3. 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 SQUARE FOOT. 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.

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 OTHERWISE.

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. 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

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.

5. SEEDING

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 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 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 THE GERMINATION PERIOD. WATER SEEDED AREAS TWICE DURING THE FIRST WEEK TO A MINIMUM DEPTH OF 6 INCHES WITH A 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 INTENDED.

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 NECESSARY).

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 TO 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 UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL. EQUIPMENT, AND DEBRIS RESULTING FROM THEIR WORK. ALL PAVED AREAS SHALL 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 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.

V. MAINTENANCE (ALTERNATE BID ITEM)

1. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE FOR MAINTENANCE FOLLOWING THE INITIAL NINETY (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 YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE LANDSCAPE ARCHITECT OR OWNER.

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 NINETY (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 ENGAGE 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. CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTHY 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.

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.



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DEVELOPER

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 $O \leq$ I≥ THESE PLANS ARE ISSUED FOR THE PURPOSE OF PRELIMINARY REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION. WHEN ISSUED IN FINAL FORM THEY WILL BE SEALED, SIGNED AND DATED.

RESPONSIBLE LANDSCAPE ARCHITECT: MICHAEL STOTTLER, PLA TEXAS REGISTRATION NO. 3743 BGF. INC TEXAS REGISTERED ENGINEERING FIRM F-1046 9/11/2024

!!CAUTION !! Contractor to Verify exact location & Depth of Exist Facilities Prior to any Construction Activities

CAUTION !!! CONTACT: 1-800-DIG-TESS 48 HOURS PRIOR TO CONSTRUCTION

REVISIONS REV NO. DATE DESCRIPTION

CHECKED BY: MLS DESIGNED BY: NPS

DATE: 9/11/2024 PROJECT NUMBER: 13185-00

SHEET NO



Know what's below. Call before you dig. (@ least 48 hours prior to digging) | PLANTING SPECIFICATIONS

GENERAL NOTES:

- 1. VERIFY SITE INFORMATION, INCLUDING PROPERTY LINES, EASEMENTS, BUILDINGS, ROADWAY CURBS AND GUTTERS, UTILITIES AND OTHER INFORMATION AFFECTING THE SCOPE OF WORK INCLUDED ON THESE DRAWINGS. MORE SPECIFIC UTILITY INFORMATION IS INDICATED ON THE OTHER CONSULTANTS DRAWINGS, THE CIVIL DRAWINGS, AND SITE RECORD DRAWINGS AVAILABLE FROM THE OWNER. THE CONTRACTOR SHALL CONTACT THE OWNER AND THE LANDSCAPE ARCHITECT FOR DIRECTION ON HOW TO PROCEED IF ACTUAL SITE CONDITIONS VARY FROM WHAT IS SHOWN ON THE CIVIL ENGINEER'S OR LANDSCAPE ARCHITECT'S PLANS.
- 2. THE CONTRACTOR SHALL NOTIFY LOCAL AUTHORITIES AND THE GENERAL CONTRACTOR FOR LOCATION OF EXISTING UNDERGROUND UTILITIES. EXCAVATE AS NECESSARY TO CONFIRM LOCATIONS PRIOR TO EXCAVATION.
- 3. EXCAVATION IN THE VICINITY OF UTILITIES SHALL BE UNDERTAKEN WITH CARE. THE CONTRACTOR BEARS FULL RESPONSIBILITY FOR THIS WORK. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL SITE UTILITIES PRIOR TO BEGINNING EXCAVATION. ANY DAMAGE TO UTILITIES THAT ARE TO REMAIN CAUSED BY ANY PERSON, VEHICLE, EQUIPMENT, OR TOOL RELATED TO THE EXECUTION OF THE CONTRACT SHALL BE REPAIRED IMMEDIATELY AT NO EXPENSE TO THE OWNER.
- 4. CONTRACTOR TO VERIFY CONSTRUCTION COMPLIANCE WITH AMERICANS WITH DISABIILITIES ACT (ADA) OF 1990, AS AMENDED, THE ADA ACCESSIBILITY GUIDELINES (ADAAG) OF 2004, AS AMENDED, AND THE TEXAS ACCESSIBILITY STANDARDS, AS AMENDED. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.
- 5. CONTRACTOR TO PROVIDE NECESSARY EROSION CONTROL MEASURES AS NEEDED.
- 6. ALL CONSTRUCTION WILL CONFORM TO THESE PLANS AND SPECIFICATIONS. ALL CONSTRUCTION WILL ALSO CONFORM TO ALL RELEVANT CITY STANDARDS AND SPECIFICATIONS

DEMOLITION NOTES:

- CONTRACTOR TO VERIFY LOCATIONS OF EXISTING UTILITIES AND UNLESS NOTED OTHERWISE. MAINTAIN THEM IN OPERATION DURING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES.
- 2. REFERENCE CIVIL DRAWINGS FOR LIMITS OF REQUIRED DEMOLITION.
- CONTRACTOR SHALL TAKE CARE TO MINIMIZE DISTURBANCE TO EXISTING TREE TRUNKS AND ROOT SYSTEMS. ALL DEMOLITION ADJACENT TO EXISTING TREES SHALL BE COMPLETED USING HAND TOOLS, NO LARGE EQUIPMENT OR ANY EQUIPMENT WITH TRACKS SHALL BE ALLOWED TO WORK UNDER THE DRIP LINE OF ANY EXISTING TREES TO REMAIN. THERE SHALL BE NO STORAGE OF MATERIAL OR PARKING WITHIN THE DRIPLINE OF EXISTING TREES TO REMAIN.
- SITE BASE INFORMATION (BOUNDARIES, UTILITIES, TOPOGRAPHY & STRUCTURES) ARE SHOWN AS PROVIDED BY SURVEYOR. CONTRACTOR SHALL VERIFY GRADES, UTILITIES AND SITE CONDITIONS PRIOR TO BEGINNING CONSTRUCTION. BGE, INC ASSUMES NO LIABILITY FOR THE ACCURACY OF THIS SURVEY INFORMATION.
- DURING DEMOLITION THE CONTRACTOR SHALL EXERCISE CAUTION NOT TO DAMAGE THE EXISTING FEATURES THAT ARE TO REMAIN INSIDE AND OUTSIDE OF THE PROJECT CONSTRUCTION AREA. DAMAGE RESULTING FROM CONTRACTOR'S WORK SHALL BE REPAIRED AND RESTORED TO THE COMPLETE SATISFACTION OF THE OWNER AT THE EXPENSE OF THE CONTRACTOR UTILITIES AND THEIR CONTINUATION THROUGH DEMOLISHED AREAS ARE TO REMAIN IN PLACE. PROTECT AS REQUIRED. DEMOLISH UTILITIES ONLY IF SHOWN ON THESE OR ARCHITECT/ENGINEERS DRAWINGS.
- CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL AREAS TO BE DEMOLISHED AS A PART OF THIS CONTRACT. CONDITIONS VARYING FROM THESE PLANS & SPECIFICATIONS MUST BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE LANDSCAPE ARCHITECT. CLEARLY MARK ALL ITEMS FOR DEMOLITION FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO **BEGINNING DEMOLITION WORK.**
- CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF ALL DESIGNATED TREES. SHRUBS & 7 GROUNDCOVER PRIOR TO THE START OF NEW CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR CAPPING & ABANDONING ALL IRRIGATION LINES IN THE DEMOLITION AREA.

PLANTING NOTES:

- 1. CONTRACTOR SHALL STAKE OUT ALL INFORMAL TREE LOCATIONS IN FIELD USING COLORED FLAGS FOR EACH DIFFERENT TREE SPECIES FOR REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO EXCAVATION. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO ADJUST PLANTS TO EXACT LOCATION IN FIELD.
- 2. SHRUB, GROUNDCOVER & SEASONAL COLOR BED LAYOUTS SHALL BE STAKED FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO EXCAVATION.
- 3. CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATIONS OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
- 4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ADVISE THE LANDSCAPE ARCHITECT OF ANY CONDITION FOUND ON THE SITE WHICH PROHIBITS INSTALLATION AS SHOWN ON THESE DRAWINGS.
- 5. ALL SHRUB & GROUNDCOVER BEDS SHALL HAVE A MINIMUM THREE (3") INCH LAYER OF HARDWOOD MULCH. CONTRACTOR TO SUPPLY OWNER WITH SAMPLE FOR APPROVAL. CONTRACTOR TO SUPPLY A BID ALTERNATE FOR ROCK MULCH FOR ALL BEDS.
- 6. ANNUAL BEDS TO RECEIVE MINIMUM 3" HARDWOOD MULCH. CONTRACTOR TO SUPPLY OWNER WITH SAMPLE FOR APPROVAL.
- 7. TREES SHALL BE PLANTED AS LEAST FOUR (4') FEET FROM ANY UTILITY LINE, CURB, SIDEWALK OR FIRE CONNECTION AND OUTSIDE ALL UTILITY EASEMENTS.
- 8. TREES OVERHANGING SIDEWALKS AND PARKING OR PEDESTRIAN AREAS SHALL HAVE A MINIMUM CLEAR TRUNK BRANCHING HEIGHT OF SEVEN (7') FEET.
- 9. TREES OVERHANGING VISIBILITY EASEMENTS OR RIGHT-OF WAYS SHALL HAVE A MINIMUM CLEAR TRUNK HEIGHT OF NINE (9') FEET.
- 10. TREES OVERHANGING PUBLIC STREET PAVEMENT WILL HAVE A MINIMUM CLEAR TRUNK OF FOURTEEN (14') FEET.
- 11. ALL PLANT MATERIAL SHALL BE MAINTAINED IN A HEALTHY AND GROWING CONDITION, AND MUST BE REPLACED WITH PLANT MATERIAL OF SIMILAR VARIETY AND SIZE IF DAMAGED, DESTROYED, OR REMOVED.
- 12. LANDSCAPED AREAS SHALL BE KEPT FREE OF TRASH, LITTER, AND WEEDS AT ALL TIMES DURING CONSTRUCTION.
- 13. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR FINE GRADING, REMOVAL OF MISCELLANEOUS DEBRIS AND ANY ADDITIONAL FILL REQUIRED TO CREATE A SMOOTH FINISHED GRADE PRIOR TO PLANTING IN ALL AREAS.
- 14. FINAL GRADING SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT IN THE FIELD PRIOR TO PLANTING.
- 15. PLANT SPACING IS AS INDICATED ON 'PLANT SCHEDULE' UNLESS OTHERWISE NOTED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE FULL COVERAGE IN ALL PLANTING AREAS AS SPECIFIED IN THE PLANT SCHEDULE REMARKS.
- 16. CONTRACTOR SHALL PROVIDE THE PROJECT AGRONOMIST SOIL SAMPLES. A MINIMUM OF TWO SAMPLES FROM EACH DIFFERENT SOIL AREA AND FROM EACH IMPORT SOIL SOURCE IS REQUIRED. VERIFY APPROPRIATE QUANTITY OF SAMPLES WITH THE LANDSCAPE ARCHITECT AND AGRONOMIST. SAMPLES SHALL THEN BE TESTED AND ANALYZED FOR AGRICULTURAL SUITABILITY AND FERTILITY BY AN ACCREDITED SOIL TESTING LABORATORY. ANALYSIS SHALL INCLUDE REVIEW AND COORDINATION WITH SPECIFICATIONS AND RECOMMENDATIONS FOR SOIL PREPARATION AND BACK FILL MIX. SUBMIT SOILS ANALYSES TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO SOIL PREPARATION. THIS REQUIREMENT APPLIES TO ALL SOILS AND CONDITIONS WITHIN THIS PROJECT INCLUDING IMPORT SOILS, ON GRADE SOILS AND/OR ON-STRUCTURE SOILS. VERIFYING ON-STRUCTURE FILTER FABRIC/SOIL COMPATIBILITY SHALL BE PART OF THE OVERALL ANALYSIS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- 17. AN AUTOMATIC IRRIGATION SYSTEM SHALL BE PROVIDED TO IRRIGATE ALL LANDSCAPE AREAS. OVERSPRAY ON STREETS AND WALKS IS PROHIBITED.
- 18. TOPSOIL SHALL BE A MINIMUM OF 4" IN DEPTH. SOIL SHALL BE FREE OF STONES, ROOTS AND ANY OTHER FOREIGN MATERIAL THAT IS NOT BENIFICIAL FOR PLANT GROWTH.
- 19. REF. SHEET L3.12 FOR PLANTING DETAILS.
- 20. REFER TO CIVIL FOR OVERALL SITE GRADING AND SHEET L3.5 FOR POOL AREA GRADING.

PLAN	L SCHE	DULE							
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COND	HT	SPR	REMARKS
	TREES			1					1
	AS	7	Acer saccharum caddo	Caddo Sugar Maple	3" cal	B&B	14` ht	6` spr	Full, Straight, Single Trunk
	QS	13	Quercus shumardii	Shumard Red Oak	3" cal	B&B	12` ht	5` spr	Full, Straight, Single Trunk
	QV	4	Quercus virginiana	Southern Live Oak	3" cal	B&B	12` ht	6` spr	Full, Straight, Single Trunk
	TD	8	Taxodium distichum	Bald Cypress	3" cal	B&B	12` ht	5` spr	Full, Straight, Single Trunk
	UC	5	Ulmus crassifolia	Cedar Elm	3" cal	B&B	14` ht	5` spr	Full, Straight, Single Trunk
ORNAME		S							
	сс	7	Cercis canadensis	Eastern Redbud	2" cal	B&B	8` ht	4` spr	Full, Multi-Trunk
A Cu	ID	6	llex decidua	Possumhaw Holly	2" cal	B&B	8` ht	4` spr	Full, Multi-Trunk
	IV	2	llex vomitoria	Yaupon Holly	2" cal	B&B	10` ht	4` spr	Full, Multi-Trunk
SHRUBS									
•	ABE GRD	24	Abelia x grandiflora	Glossy Abelia	3 gal	CONT	24" ht		Full, Matching,
\bigcirc	ILE CAR	34	llex cornuta `Carissa`	Carissa Holly	3 gal	CONT	18" ht		Full, Matching,
	LEU COM	102	Leucophyllum frutescens `Compacta`	Compact Texas Sage	5 gal	CONT	24" ht		Full, Matching,
×	YUC REC	19	Yucca recurvifolia	Soft Leaf Yucca	3 gal	CONT	24" ht		Full, Matching, 24" o.c. spacing
GRASSES	8								Full, Matching,
	MUH CAP	199	Muhlenbergia capillaris	Pink Muhly	3 gal	CONT	24" ht		30" o.c. spacing
{+}	NAS	143	Nassella tenuissima	Mexican Feather Grass	3 gal	CONT	18" ht		Full, Matching , 24" o.c. spacing
GROUND	COVER								
	EFC	852	Euonymus fortunei `Coloratus`	Purple-leaf Winter Creeper	1 gal	CONT	6" ht	6" spr	Full, 1 gallon min., 18" o.c. spacing
SEED									
	DSM	2,700 sf		Dam Slope Mix					Drill seed, Native American Seed Mix #2808, Ref. Planting Specs
+ + + + + + + + + + + + + + + + + + +	+ + + +	6,500 sf		Drainfield Mix					Drill seed, Native American Seed Mix #2861, Ref. Planting Specs
SOD									
SOD	SOD	18,686 sf	Cynodon dactylon	Common Bermuda Grass					Solid Sod, tight sand filled joints, 100% weed, disease and pest free
MISC									
_,,,,	STEEL EDGE	TBD	Steel Edging						³ / ₁₆ " x 6", black
	MULCH	TBD	Shredded Hardwood Mulch						Min. 3" depth, trees in sod to receive 4' dia. ring

PLAN	L SCHEE	DULE							
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COND	HT	SPR	REMARKS
CANOPY -	TREES			1			1		1
	AS	7	Acer saccharum caddo	Caddo Sugar Maple	3" cal	B&B	14` ht	6` spr	Full, Straight, Single Trunk
	QS	13	Quercus shumardii	Shumard Red Oak	3" cal	B&B	12` ht	5` spr	Full, Straight, Single Trunk
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	TD	8	Taxodium distichum	Bald Cypress	3" cal	B&B	12` ht	5` spr	Full, Straight, Single Trunk
	UC	5	Ulmus crassifolia	Cedar Elm	3" cal	B&B	14` ht	5` spr	Full, Straight, Single Trunk
		8							
	сс	7	Cercis canadensis	Eastern Redbud	2" cal	B&B	8` ht	4` spr	Full, Multi-Trunk
	ID	6	llex decidua	Possumhaw Holly	2" cal	B&B	8` ht	4` spr	Full, Multi-Trunk
	IV	2	llex vomitoria	Yaupon Holly	2" cal	B&B	10` ht	4` spr	Full, Multi-Trunk
SHRUBS					1		1	1	
•	ABE GRD	24	Abelia x grandiflora	Glossy Abelia	3 gal	CONT	24" ht		Full, Matching,
$\overline{ \cdot }$	ILE CAR	34	llex cornuta `Carissa`	Carissa Holly	3 gal	CONT	18" ht		Full, Matching,
	LEU COM	102	Leucophyllum frutescens `Compacta`	Compact Texas Sage	5 gal	CONT	24" ht		Full, Matching,
J.	YUC REC	19	Yucca recurvifolia	Soft Leaf Yucca	3 gal	CONT	24" ht		Full, Matching, 24" o.c. spacing
GRASSES									Full, Matching,
+	MUH CAP	199	Muhlenbergia capillaris	Pink Muhly	3 gal	CONT	24" ht		30" o.c. spacing
{+}	NAS	143	Nassella tenuissima	Mexican Feather Grass	3 gal	CONT	18" ht		Full, Matching , 24" o.c. spacing
GROUND	COVER								
	EFC	852	Euonymus fortunei `Coloratus`	Purple-leaf Winter Creeper	1 gal	CONT	6" ht	6" spr	Full, 1 gallon min., 18" o.c. spacing
SEED									
	DSM	2,700 sf		Dam Slope Mix					Drill seed, Native American Seed Mix #2808, Ref. Planting Specs
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	+ + + + + +	6,500 sf		Drainfield Mix					Drill seed, Native American Seed Mix #2861, Ref. Planting Specs
SOD									
	SOD	18,686 sf	Cynodon dactylon	Common Bermuda Grass					Solid Sod, tight sand filled joints, 100% weed, disease and pest free
MISC									
	STEEL EDGE	TBD	Steel Edging						³ / ₁₆ " x 6", black
	MULCH	TBD	Shredded Hardwood Mulch						Min. 3" depth, trees in sod to receive 4' dia. ring

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GRASSES	
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GROUND COVER	
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SEED	
	DSM
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SOD	
	SOD

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

IRRIGATION NOTES:

- TEMPERATURES.

- PAVED AREAS AS REQUIRED.
- TCEQ REQUIREMENTS. 9.
- OF LANDSCAPE PLANTINGS.
- BY AUTOMOBILE OVERHANGS.

1. LINE LAYOUT IS DIAGRAMMATIC-ADJUST HEAD AND LINE LOCATIONS ON SITE TO

ACCOMMODATE EXISTING JOB CONDITIONS AND TO ACHIEVE COMPLETE COVERAGE. ALL MAIN LINE PIPING SHALL BE BURIED TO HAVE A MINIMUM COVER OF 18". ALL LATERAL PIPING DOWNSTREAM OF THE MAIN LINE SHALL BE BURIED TO HAVE A MINIMUM COVER OF 12". ALL MAINS ARE TO DRAIN TO LOW POINTS AT A MINIMUM ONE HALF(1/2%) PERCENT SLOPE. AT LOW POINTS, INSTALL GATE VALVE TO FACILITATE DRAINAGE OF SYSTEM DURING FREEZING

4. CONTRACTOR SHALL INSTALL AUTOMATIC DRAIN VALVES AT LOW POINTS IN THE IRRIGATION LINES AS REQUIRED TO PREVENT FREEZE DAMAGE.

ALL VALVE BOXES SHALL BE BLACK IN COLOR (BODY AND LID). SIZES SHALL BE TEN(10") INCHES BY FOURTEEN (14") INCHES (RECTANGULAR) FOR REMOTE CONTROL VALVES AND NINE (9") INCHES (ROUND) FOR GATE AND QUICK COUPLER VALVES.

CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS TO SYSTEM LAYOUT IN FIELD TO INSURE POSITIVE DRAINAGE OF LATERAL LINES AND MAIN LINES.

7. ALL WIRING FROM THE IRRIGATION CONTROLLER TO THE REMOTE CONTROL VALVES SHALL BE UF-14/1 DIRECT BURIAL CABLE. ALL WIRE SPLICES SHALL BE MADE IN VALVE BOXES ONLY USING RAINBIRD SNAP-TITE CONNECTORS AND SEALANT. PROVIDE SLEEVES FOR WIRE UNDER

8. ALL IRRIGATION INSTALLATION SHALL CONFORM TO THE LOCAL CODE REGULATIONS AND

IRRIGATION SYSTEM SHALL BE INSTALLED AND FULLY OPERATIONAL BEFORE INSTALLATION

10. IRRIGATION HEADS SHALL BE PLACED AND ADJUSTED SO AS NOT TO SPRAY ON THE BUILDING. 11. IRRIGATION HEADS SHALL BE PLACED AND SIZED SO AS NOT TO BE SUSCEPTIBLE TO DAMAGE

12. IRRIGATION CONTRACTOR SHALL PLACE ADJUSTABLE ARC NOZZLES IN PLACE OF FIXED ARC NOZZLE AS NEEDED TO ELIMINATE OVER SPRAY ON TO PAVEMENT.

13. ALL IRRIGATION HEADS SHALL HAVE FACTORY INSTALLED CHECK VALVES.

MAINTENANCE NOTES:

- 1. LANDSCAPE CONTRACT SHALL INCLUDE, AS AN ALTERNATE BID, A LANDSCAPE MAINTENANCE AGREEMENT. THE LANDSCAPE MAINTENANCE PERIOD SHALL BEGIN ONCE OWNER'S ACCEPTANCE OF IMPROVEMENTS HAS BEEN GIVEN IN WRITING AND EXTEND FOR A PERIOD OF TWO YEARS.
- 2. MAINTENANCE AGREEMENT SHALL GENERALLY CONFORM TO LANDSCAPE MAINTENANCE GUIDELINES PROVIDED BY OWNER AND MODIFIED TO MEET THE BEST MANAGEMENT PRACTICES OF THE LOCAL CLIMATE AND SITE SPECIFIC CONDITIONS.
- 3. AT A MINIMUM, THE AGREEMENT SHALL INCLUDE, ALL LABOR AND MATERIALS TO PERFORM THE PROFESSIONAL MAINTENANCE OF THE SITE'S LANDSCAPE IMPROVEMENTS. THE AGREEMENT SHALL BE WRITTEN TO INCLUDE, BUT MAY NOT BE LIMITED TO, THE FOLLOWING:
- A. LAWN CARE **B. FERTILIZATION**
- C. INTEGRATED PEST MANAGEMENT
- D. IRRIGATION
- E. PLANTING BEDS F. TREES AND SHRUBS
- 4. THE PROGRAM FOR THE MAINTENANCE AGREEMENT SHALL BE BASED ON A COMPLETE SOILS ANALYSIS TO ADDRESS SPECIFIC SITE CONDITIONS AND TO ENSURE THE HEALTHY AND VIGOROUS GROWTH OF THE PLANT MATERIALS.

LANDSCAPE AREA 20% OF SITE 119,354 SF X 2 IMPERVIOUS

SITE TREES 12 TREES PE 2.74 AC X 12 =

DETENTION BASIN DETENTION E 1 CANOPY TR

1 ACCENT TR

F.M. 3097 LANDSCAPE

MIN. 30" HT SH CANOPY TREES 2 TREES PER 100 LF

(234.5 LF / 100) x 2 = 5 TREES

ACCENT TRE 4 TREE PER (234.5 LF / 1

SCREENING FRO SCREENING

SCREENING

20' BUFFER

HEADLIGHT SCR MIN. 2' HT BE

EVERGREEN

PARKING REQUI MIN. 5 % INTE TOTAL PARI

> PARKING TRE 1 TREE PER 115 SPACES

1 TREE WITH

TREE MITIGATIO TREE MITIGAT

IRRIGATION NOTE: ALL PLANT MATERIAL TO BE IRRIGATED IN COMPLIANCE TO CITY OF ROCKWALL, UNIFIED DEVELOPMENT CODE ARTICLE 8.05.04

CITY OF ROCKWALL - CODE REQUIREMENTS

A	REQUIRED	PROVIDED
20% = 23,871 SF AREA= 84,969 SF	23,871 SF 20%	34,385 SF 28%
	REQUIRED	PROVIDED
R ACRE = 32.88 TREES	33 TREES	37 TREES
N	REQUIRED	PROVIDED
BASIN = 6500 SF REE PER 750 SF = 9 TREES	9 TREES	9 TREES
REE PER 1500 SF = 5	5 TREES	5 TREES
	REQUIRED	PROVIDED
BUFFER: 20' DEPTH	YES	YES
HRUBS	YES	YES

5 TREES

ES R 100 LF 00) x 4 = 10 TREES	10 TREES
OM RESIDENTIAL	REQUIRED
TREES	11 TREES
SHRUBS	YES
	YES
REENING	REQUIRED
RM	YES
SHRUBS	YES
REMENTS	REQUIRED
ERIOR LANDSCAPING KING= 21,469 SF	1,073 SF
EES R 10 SPACES / 10 = 12 TREES	12 TREES
IN 80 LF OF EACH SPACE	YES
DN	REQUIRED
TION	73"

10 TREES PROVIDED 10 PROPOSED, 1 EXISTING YES YES PROVIDED YES YES PROVIDED 1,772 SF 12 TREES

5 TREES

YES

PROVIDED YES, PROVIDED BY REQUIRED TREES



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DEVELOPER PLATINUM CONSTRUCTION 1450 TL TOWNSEND DR. STE 100 ROCKWALL, TX 75032 TEL: (469) 222-1597 CONTACT: SHAWN VALK

OWNER SARO PARTNERS LLC 1450 S. T L TOWNSEND ROCKWALL, TX 75302 TEL: (000) 000-0000 CONTACT: JAY KANTER

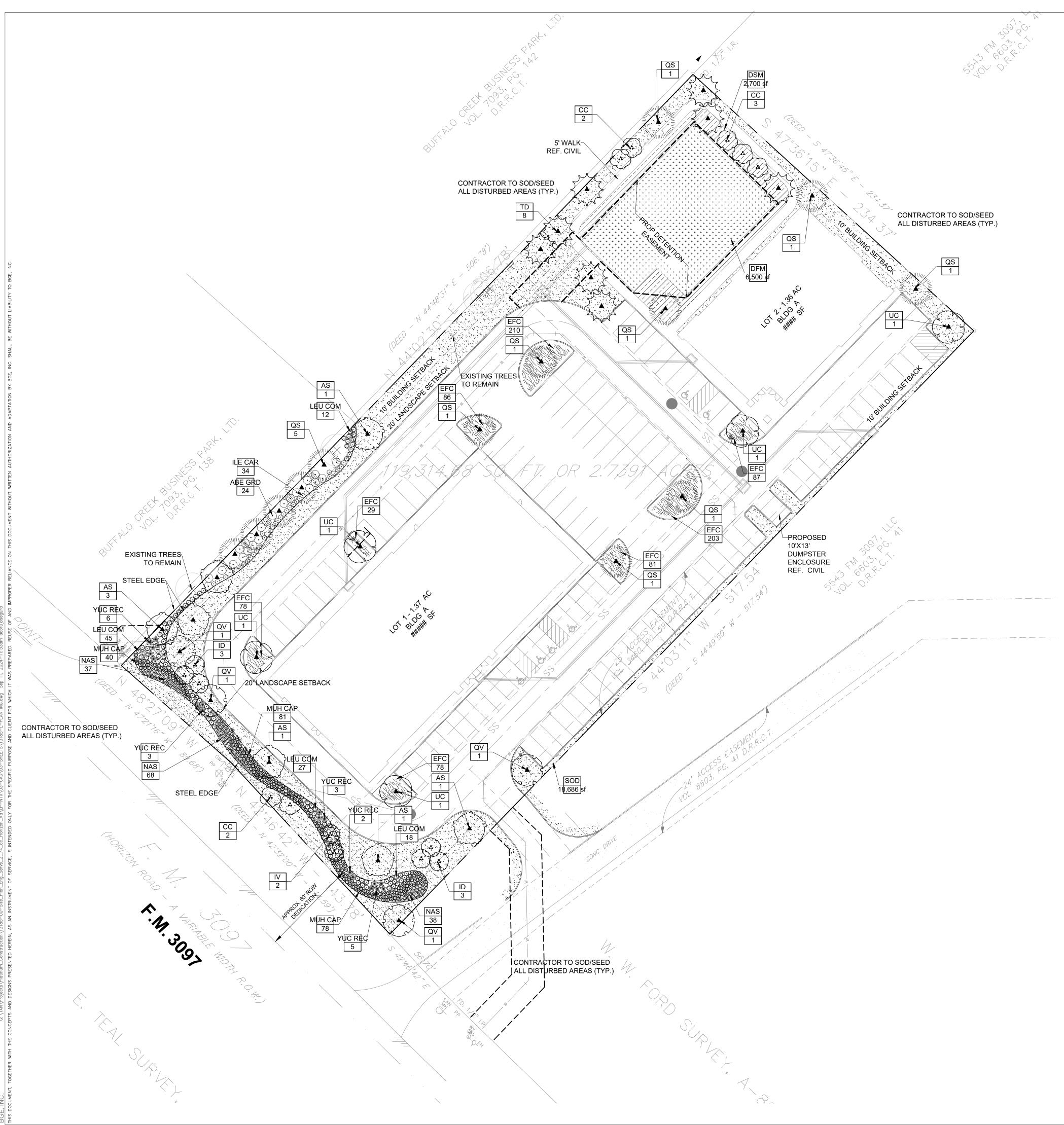


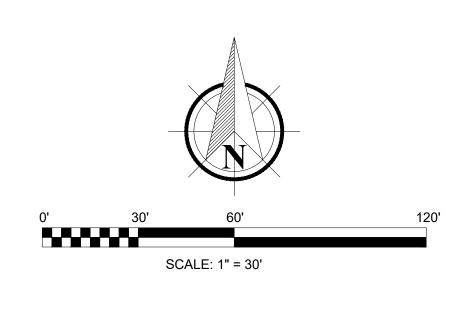


Know what's below. Call before you dig. (@ least 48 hours prior to digging)

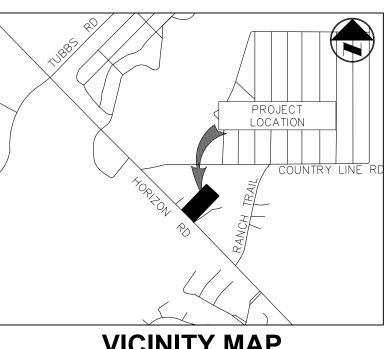
PLANTING SCHEDULE AND NOTES

L2.01





PLANT SCHEDULE							
SYMBOL	CODE	BOTANIC		COMMON NAME			
CANOPY T	1	DUTANIO					
	AS	Acer saccha	rum caddo	Caddo Sugar Maple			
	QS	Quercus shu	ımardii	Shumard Red Oak			
	QV	Quercus virg	jiniana	Southern Live Oak			
	TD	Taxodium di	stichum	Bald Cypress			
	UC	Ulmus crass	ifolia	Cedar Elm			
ORNAMEN [®]	TAL TREES	-					
	сс	Cercis canac	densis	Eastern Redbud			
A MARK	ID	llex decidua		Possumhaw Holly			
	IV	llex vomitoria	a	Yaupon Holly			
SHRUBS				[
•	ABE GRD	Abelia x grar	ndiflora	Glossy Abelia			
	ILE CAR	llex cornuta	`Carissa`	Carissa Holly			
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	LEU COM	Leucophyllur	m frutescens `Compacta`	Compact Texas Sage			
×	YUC REC	Yucca recurv	vifolia	Soft Leaf Yucca			
GRASSES	MUH CAP	Muhlenbergi	a capillaris	Pink Muhly			
	NAS	Nassella ten		Mexican Feather Grass			
	INAS	Nassella terr	uissima				
GROUND C		Euonymuo fo		Purple leaf Winter Creener			
9-110111-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	EFC	Euonymus ic	ortunei `Coloratus`	Purple-leaf Winter Creeper			
SEED	DOM			Dom Slong Mix			
<u> </u>	DSM			Dam Slope Mix			
* * * * * * * * * * * * * * * * * * * *	DFM			Drainfield Mix			
SOD							
	SOD	Cynodon dao	ctylon	Common Bermuda Grass			
MISC							
	STEEL EDGE	TBD	Steel Edging				
	MULCH	TBD	Shredded Hardwood Mulc	h			



(NOT TO SCALE)



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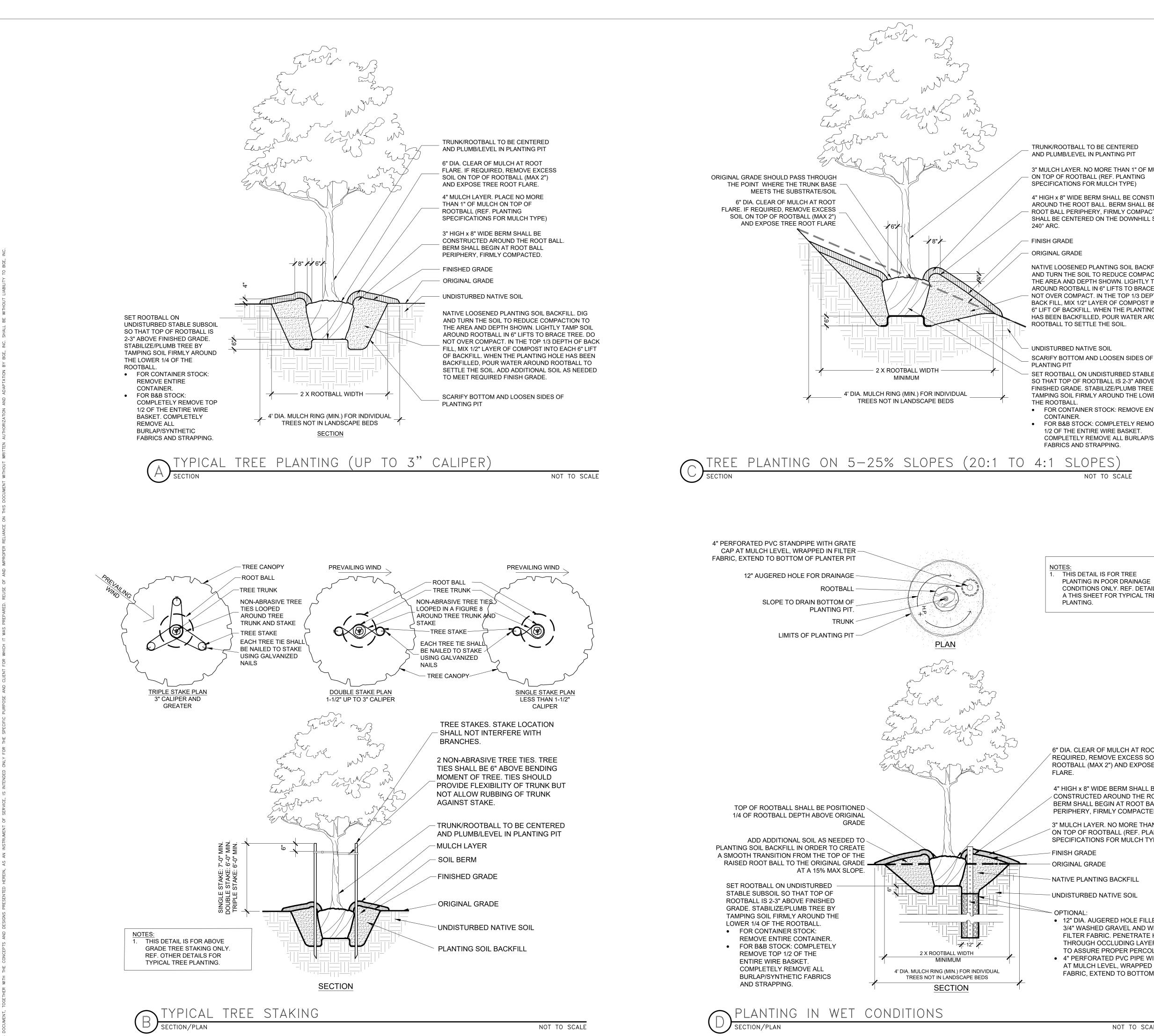
DEVELOPER PLATINUM CONSTRUCTION 1450 TL TOWNSEND DR. STE 100 ROCKWALL, TX 75032 TEL: (469) 222-1597 CONTACT: SHAWN VALK

OWNER SARO PARTNERS LLC

CITY SUBMITTAL SET	PLANTING PLAN			W.W FORD SURVEY, ABSTRACT NO. 80, TRACT	26-4	CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS		
RES	HE F EVIEW SEAL SPON: M TEXA	VURPOSE V AND A FOR CON WHEN AL FORM ED, SIGN SIBLE LAN ICHAEL S S REGIST BGI S REGISTE	ARE ISS OF PRE RE NOT ISTRUCTI ISSUED I THEY W NED AND NDSCAPE TOTTLER, RATION N E, INC. ERED ENGI F-1046	LIMIN, INTEN ON. N /ILL B DATE ARCHI PLA 0. 374	ARY IDED ED. TECT: 43			
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Know what's below. Call before you dig. (@ least 48 hours prior to digging)





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SARO PARTNERS LLC							
1450 S. T L TOWNSEND							
ROCKWALL, TX 75302							
TEL: (000) 000-0000							
CONTACT: JAY KANTER							

CITY SUBMITTAL SET		HORIZON RD. COMMERCIAL OFFICES	W.W FORD SURVEY, ABSTRACT NO. 80, TRACT 26-4	CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS
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DESIGNED	BY: NPS						
DATE: 9/1	1/2024						
PROJECT N	UMBER:	13185-00					
SHEET NO							
0.122110							
L2.03							

PLANTING DETAILS



Know what's below. Call before you dig. (@ least 48 hours prior to digging)

3" MULCH LAYER. NO MORE THAN 1" OF MULCH ON TOP OF ROOTBALL (REF. PLANTING

4" HIGH x 8" WIDE BERM SHALL BE CONSTRUCTED AROUND THE ROOT BALL. BERM SHALL BEGIN AT ROOT BALL PERIPHERY, FIRMLY COMPACTED. BERM SHALL BE CENTERED ON THE DOWNHILL SIDE IN A

NATIVE LOOSENED PLANTING SOIL BACKFILL. DIG AND TURN THE SOIL TO REDUCE COMPACTION TO THE AREA AND DEPTH SHOWN. LIGHTLY TAMP SOIL AROUND ROOTBALL IN 6" LIFTS TO BRACE TREE. DO NOT OVER COMPACT. IN THE TOP 1/3 DEPTH OF BACK FILL, MIX 1/2" LAYER OF COMPOST INTO EACH 6" LIFT OF BACKFILL. WHEN THE PLANTING HOLE HAS BEEN BACKFILLED, POUR WATER AROUND

SET ROOTBALL ON UNDISTURBED STABLE SUBSOIL SO THAT TOP OF ROOTBALL IS 2-3" ABOVE FINISHED GRADE. STABILIZE/PLUMB TREE BY TAMPING SOIL FIRMLY AROUND THE LOWER 1/4 OF

FOR CONTAINER STOCK: REMOVE ENTIRE

 FOR B&B STOCK: COMPLETELY REMOVE TOP 1/2 OF THE ENTIRE WIRE BASKET. COMPLETELY REMOVE ALL BURLAP/SYNTHETIC

NOT TO SCALE

THIS DETAIL IS FOR TREE PLANTING IN POOR DRAINAGE CONDITIONS ONLY. REF. DETAIL A THIS SHEET FOR TYPICAL TREE

6" DIA. CLEAR OF MULCH AT ROOT FLARE. IF REQUIRED, REMOVE EXCESS SOIL ON TOP OF ROOTBALL (MAX 2") AND EXPOSE TREE ROOT

4" HIGH x 8" WIDE BERM SHALL BE CONSTRUCTED AROUND THE ROOT BALL. BERM SHALL BEGIN AT ROOT BALL PERIPHERY, FIRMLY COMPACTED.

3" MULCH LAYER. NO MORE THAN 1" OF MULCH ON TOP OF ROOTBALL (REF. PLANTING SPECIFICATIONS FOR MULCH TYPE)

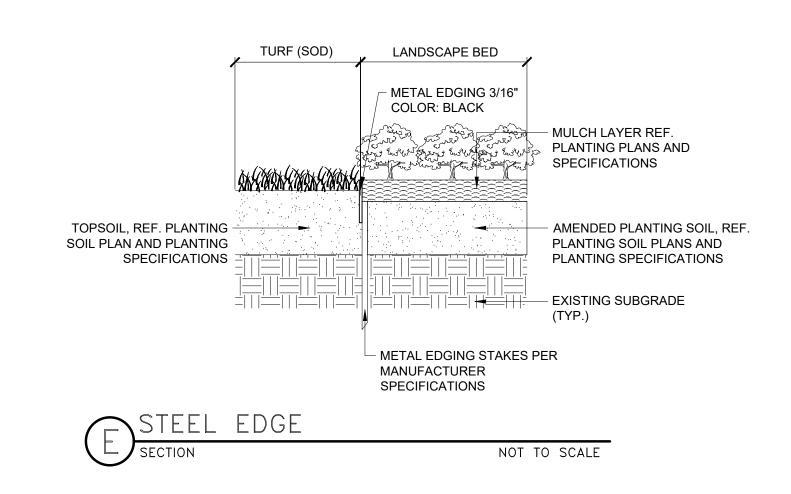
UNDISTURBED NATIVE SOIL

• 12" DIA. AUGERED HOLE FILLED WITH 1/2" -3/4" WASHED GRAVEL AND WRAPPED IN FILTER FABRIC. PENETRATE HOLE THROUGH OCCLUDING LAYER TO A DEPTH TO ASSURE PROPER PERCOLATION. • 4" PERFORATED PVC PIPE WITH GRATE CAP AT MULCH LEVEL, WRAPPED IN FILTER FABRIC, EXTEND TO BOTTOM OF SUMP.

3. REMOVE ENTIRE SUPPLY OF TWIGS AND BUDS ON TRUNK. 4. REMOVE LOWER BRANCH WHERE AN OVERLYING BRANCH OCCUPIES APPROX. SAME AREA. 5. SHAPE TREE BY REMOVING INJURED AND MISSHAPED BRANCHES. 6. REMOVE CROSS BRANCHES AND THOSE DEVELOPING INTO SECONDARY LEADERS. 7. DO NOT REMOVE LEADER. NOTE: DASHED LINES INDICATE BRANCHES TO BE REMOVED. - NO MORE THAN 20 PERCENT OF LIMBS, FOLIAGE, ETC., TO BE REMOVED, UNLESS NOTED OTHERWISE SHADE TREE PRUNING NOT TO SCALE TREE TRUNKS - TREE WELL — 2" DIA CEDAR STAKE -2" x 2" CROSS BRACE TREE TRUNKS SHALL BE SECURED TO CROSS BRACE USING NURSERY GRADE 2" x 2" CEDAR CROSS BRACE NYLON STRAPS WRAPPED WITH PLASTIC TUBING TO PROTECT TREE TRUNKS  $2\frac{1}{4}$ " GALV. CARRIAGE BOLTS TYP. EA. CORNER - 2 " DIA CEDAR STAKE, 2-PER TREE - SAUCER AROUND TREE WELL - 3" MULCH BACKFILL PLANTING PIT WITH PREPARED PLANTING SOIL MIX AS NOTES: SPEC'D AND SATURATE WITH WATER TO ELIMINATE VOIDS * TEMPORARY TREE WELL, STAKES AND CROSS BRACE TO BE REMOVED AFTER ONE FULL GROPHOGINE PERMIN OF THE BRANCH STRUCTURE SHALL BE REMOVED BY THINNING BUT THE NATURAL CHARACTER AND GENERAL SHAPE OF THE TREE SHALL BE PRESERVED ORNAMENTAL / MULTI-TRUNK TREE PLANTING В SECTION / ELEVATION NO TO SCALE REF. PLAN FOR SHRUB TYPE - 3" LAYER OF MULCH - Wear WINY VS - FINISH GRADE ₽Ŧ ROOT BALL, DO NOT DISTURB PREPARED SOIL MIX PER SPECS. - NATIVE SOIL ★ 6" ★ - SPACING PER PLAN -SHRUB PLANTING NO TO SCALE SEE PLANTING SCHEDULE PLANTING EDGE 0 Peels MULCH INSTALLED PRIOR TO PLANTING PLANTING MIX AS SPECIFIED

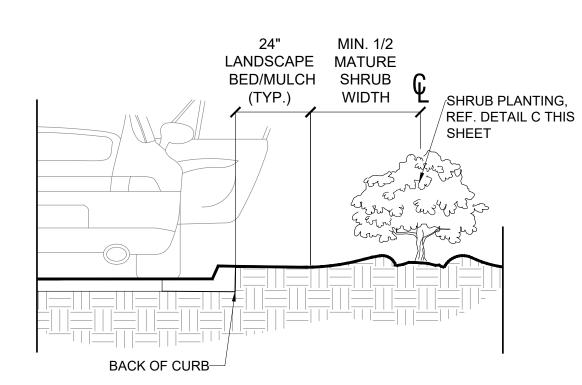
GROUNDCOVER PLANTING

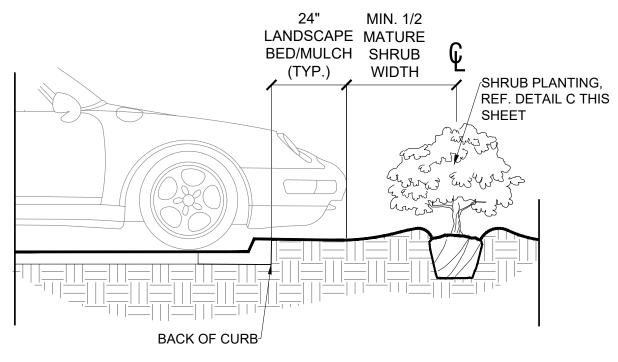
SECTION



## MIN. 1/2 MIN. 1/2 MATURE MATURE SHRUB SHRUB WIDTH 5'-0" MIN. CLEAR 5'-0" MIN. CLEAR WIDTH FIRE HYDRANT-

# _ANTING AT FIRE HYDRANT







NOT TO SCALE



NOT TO SCALE



BGE, Inc. 2595 Dallas Parkway, Suite 101 Frisco, TX 75034 Tel: 972-464-4800 • www.bgeinc.com TBPE Registration No. F-1046 Copyright 2024

DEVELOPER PLATINUM CONSTRUCTION 1450 TL TOWNSEND DR. STE 100 ROCKWALL, TX 75032 TEL: (469) 222-1597 CONTACT: SHAWN VALK

OWNER SARO PARTNERS LLC 1450 S. T L TOWNSEND ROCKWALL, TX 75302 TEL: (000) 000-0000 CONTACT: JAY KANTER

CITY SUBMILIAL SET	PLANTING DETAILS	HORIZON RD. COMMERCIAL OFFICES	W.W FORD SURVEY, ABSTRACT NO. 80, TRACT	26-4	CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS
	THESE PLANS THE PURPOSE REVIEW AND AF FOR CON WHEN I FINAL FORM SEALED, SIGN	OF PRE RE NOT STRUCT SSUED THEY N	ELIMIN INTEI ION. IN WILL E	ARY NDED BE	

RESPONSIBLE LANDSCAPE ARCHITECT: MICHAEL STOTTLER, PLA TEXAS REGISTRATION NO. 3743 BGE, INC. TEXAS REGISTERED ENGINEERING FIRM F-1046 9/11/2024

!!CAUTION !! Contractor to Verify exact location & Depth of Exist Facilities Prior to any Construction Activities

CAUTION !!! CONTACT: 1-800-DIG-TESS 48 HOURS PRIOR TO CONSTRUCTION

REVISIONS REV NO. DATE DESCRIPTION CHECKED BY: MLS

DESIGNED BY: NPS DATE: 9/11/2024 PROJECT NUMBER: 13185-00

SHEET NO



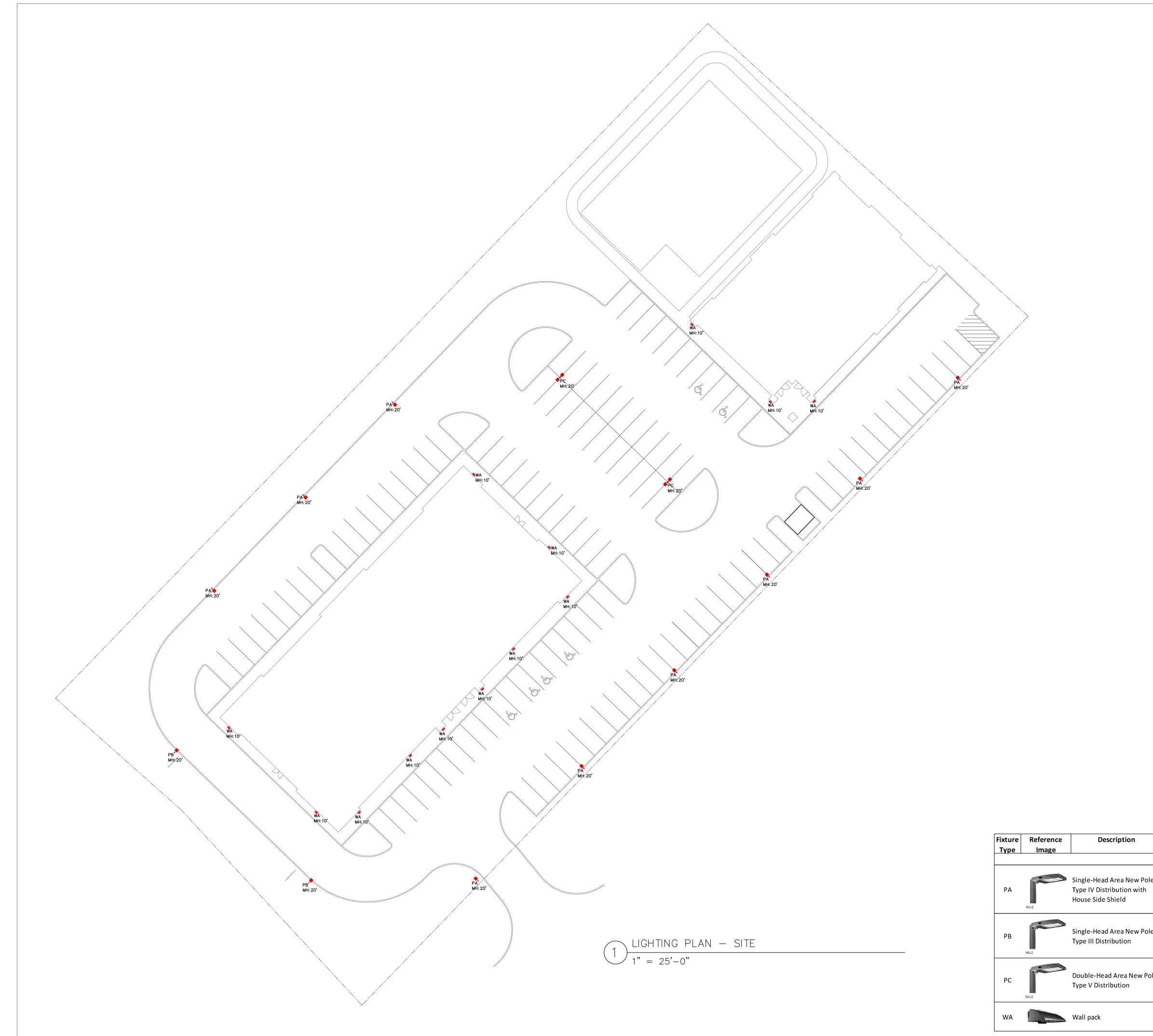
PLANTING DETAILS



Know what's below. Call before you dig. (@ least 48 hours prior to digging)

/SHRUB PLANTING, REF. DETAIL C THIS SHEET

NOT TO SCALE



CLI Des	
Los Angeles , Mia	•
Tel: 800-755-0155	Fax: 760-262-3940

lo.	Issue	Date
<b>)</b> .		08.16.2024

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ALL PLANS AND SPECIFICATIONS ARE THE PROPERTY OF COMMERCIAL LIGHTING IND. DO NOT SCALE DRAWINGS. ALL MEASUREMENTS MUST BE CHECKED ON SITE BY THE CONTRACTORS AND ANY DISCREPANCIES BROUGHT TO THE ATTENTION OF THE DESIGNER OR ARCHITECT.

LIGHTING PLAN SITE

LDE-1.1

Date

I.D

08.16.2024 Checked By

Title

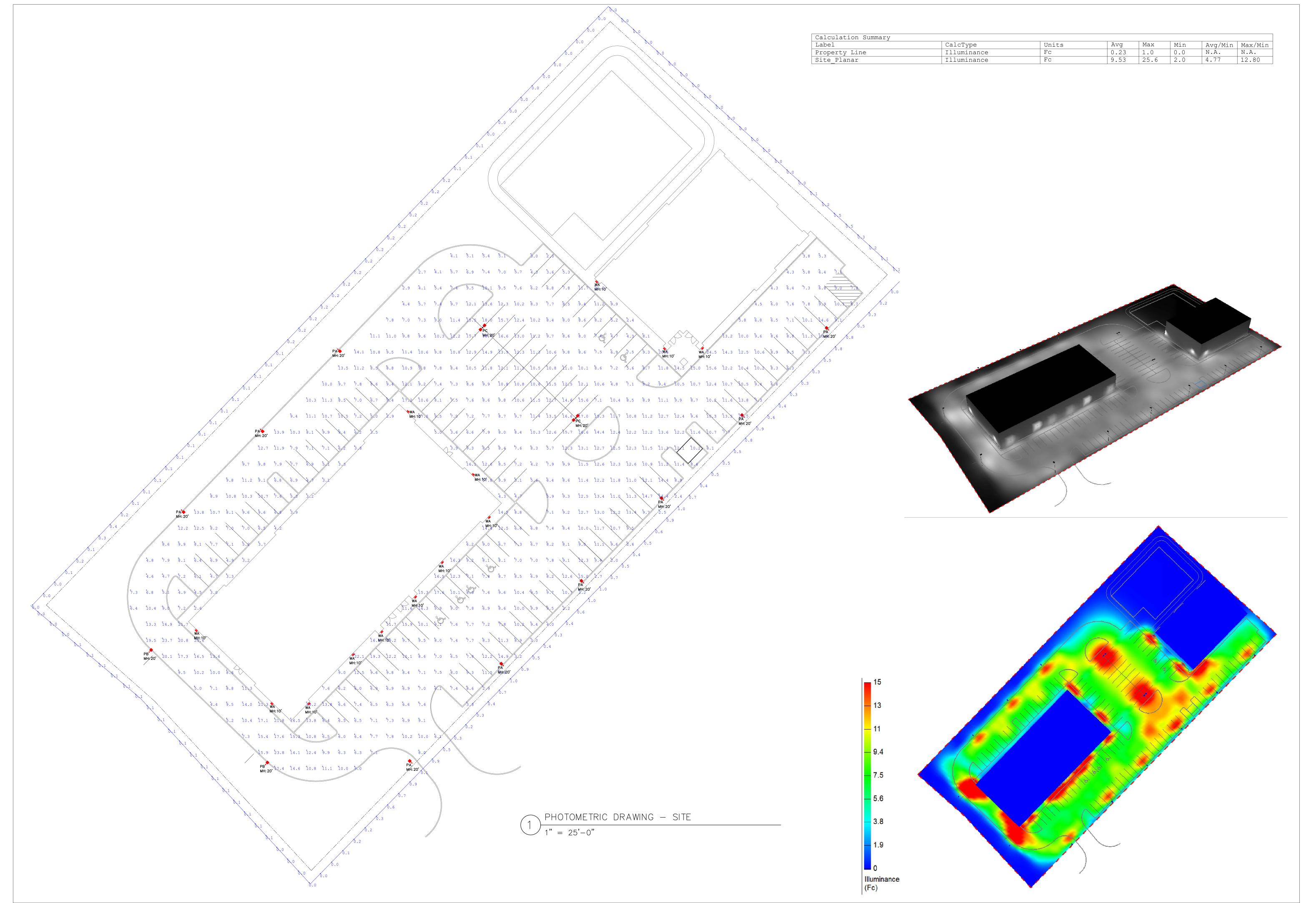
Scale

M.CH Job No.

Sheet No.

AS SHOWN

	Dimming	Product	Lamps, CCT, Lumen,	Input	Fixture	Mounting, Finishes, Remarks &
	Interface	Registration ID	Optics, CRI	Voltage	Wattage	Other Notes
		EXTERIOR FIXTU	RE TYPES			
Pole, h	N/A	CLI-NV-2-T4-128L-1- 40K7-UNV-XX-XX- XX-HSS	Integrated LED Module, 4000k, 32,950lm, Type IV Distribution, w/Backlite Control , 70CRI	UNI-VAC	409	Single-head Mounted to 20'-0" Exisiting pole. Engineer to determine required base/pole size/height. Finish TBD.
Pole,	N/A	CLI-NV-2-T3-128L-1- 40K7-UNV-XX-XX- XX-HSS	Integrated LED Module, 4000k, 32,782lm, Type III Distribution,w/Backlite Control, 70CRI	UNI-VAC	409	Singlel-head Mounted to 20'-0" Exisiting pole. Engineer to determine required base/pole size/height. Finish TBD.
Pole,	N/A	CLI-NV-2-T3-128L-1- 40K7-UNV-XX-XX- XX	2-Integrated LED Module, 4000k, (2)48,6711m, Type V Distribution,70CRI	UNI-VAC	818	Double-heads Mounted to 20'-0" New pole. Engineer to determine required base/pole size/height. Finish TBD.
	TBD	CLI-NV-W-T4-32L-1- 40K7-UNV-WM-XX- XX-XX	Integrated LED, 4000K, 11,426Lm, Type 4 Distribution	UNI-VAC	100	Direct mounted to building at 10'0" AFG. Finish TBD.



PLATINUM HORIZON STREET NUMBER CITY, ST ZIP

Los Angeles , Miami & New York Tel: 800-755-0155 | Fax: 760-262-3940

o. Issue

Date

08.16.2024

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LDE-1.2

## **PLATINUM HORIZON**

Contact Farren Halcovich with Commercial Lighting Industries, 760-831-9815, Farren@Commercial-Lighting.net for pricing Contact Istvan Derzsi with Commercial Lighting Industries, 760.999.0089, IDerzsi@Commercial-Lighting.net for design related inquires									
Fixture	Reference	Description	Dimming	Product Registration	Lamps, CCT, Lumen,	Input	Fixture	Mounting, Finishes, Remarks &	
Туре	Image		Interface	ID EXTERIOR FIXTU	Optics, CRI	Voltage	Wattage	Other Notes	
PA Single-Head Area New Pole, Type IV Distribution with House Side Shield N/A Side Shield N/A CLI-NV-2-T4-128L-1- 4000k, 32,950lm, Type IV Distribution, w/Backlite Control, 70CRI						UNI-VAC	409	Single-head Mounted to 20'-0" Exisiting pole. Engineer to determine required base/pole size/height. Finish TBD.	
РВ	NV2	Single-Head Area New Pole, Type III Distribution	N/A	CLI-NV-2-T3-128L-1- 40K7-UNV-XX-XX-XX- HSS	Integrated LED Module, 4000k, 32,782lm, Type III Distribution,w/Backlite Control, 70CRI	UNI-VAC	409	Singlel-head Mounted to 20'-0" Exisiting pole. Engineer to determine required base/pole size/height. Finish TBD.	
PC	Nv2	Double-Head Area New Pole, Type V Distribution	N/A	CLI-NV-2-T3-128L-1- 40K7-UNV-XX-XX-XX	2-Integrated LED Module, 4000k, (2)48,6711m, Type V Distribution,70CRI	UNI-VAC	818	Double-heads Mounted to 20'-0" New pole. Engineer to determine required base/pole size/height. Finish TBD.	
WA		Wall pack	TBD	CLI-NV-W-T4-32L-1- 40K7-UNV-WM-XX- XX-XX	Integrated LED, 4000K, 11,426Lm, Type 4 Distribution	UNI-VAC	100	Direct mounted to building at 10'0" AFG. Finish TBD.	
					AND VALUE ENGINEERING WILL SSED WRITTEN APPROVAL FROM ER. NO EXCEPTIONS.				
CNTRL		Controls Package - TBD							
				Notes, Exceptions,					
establishe	d discounted prio	is supplied by Consult with th cing from Commercial Lighting Ind ng.net, for purchase order placem	ustries, 81	L61 Indio Blvd, Indio, C	A 92201, 800-755-0155 / 76			package is approved and available at Farren Halcovich ,	
LTG SPEC	VERIFICATION: Pu	irchaser assumes responsibility fo pn-standard from the Mfg) , NYC o	r, and mus	t verify with CLI the fol	lowing prior to purchasing: \				
	-	ution, emergency use and dimmir	-	-				-	
	ons or changes nu	<u>CE</u> : A complete Photometric drawi Illify the report and compliance ar	-					ing authorities a applicable. Any g designer - <u>NO SUBSTITUTIONS ARE</u>	
Density (L	PD) and the use c	purchasing party is responsible for f mandated controls (dimmers, pl mpliance prior to ordering.	-					vith respect to Lighting Power of Commercial Lighting Industries	
and engin	eered to the exac	tem being implemented has been t specifications of the luminaires d require re-submission to all part	in this sche	dule, and in compliant	ce with the State Energy Cod	e. Any char	nges to the		
DIMMING: The method of dimming each fixture type (generally either Non-Dim, ELV/MLV, 0-10v or DALI/Ecosystem) may not have been known at the time the of preliminary specifications submission. Some luminaires may be available with different dimming than is indicated - see the catalog cuts. When requesting a quotation, and ordering, the purchaser must verify the dimming method desired (to match the wiring and type of dimming that will get installed) of each type and request the quotation accordingly. Once product is on site, the dimming installed will have to be compatible with the luminaires. Note: the default dimming specifications are: For CA, US - all 0-10V wherever possible if using central Control System - same. Otherwise, any luminaire that is not 0-10V or combo ELV/120V, is specified as ELV because it cannot be assumed that LV wiring will be run.									
WIRING: 120V Leading Edge dimmers (old technology for mostly incandescent fixtures) aka Triac/120V dimming, and 120V Trailing Edge dimmers aka ELV dimming (utilizing standard 3 wire White/Black/Green) are not interchangeable with 0-10V dimming which has two additional low voltage wires (Grey/Violet) for analog control signal, using one volt increments from 0 to 10, thus dimming the LED fixtures down to 10% or even 1%. Each fixture much be ordered with the appropriate 120V or the 0-10V driver depending on which will dim it, they are NOT interchangeable. Do Not assume a fixture with 0-10V is "standard" and will thus dim correctly if only 120V dimming is available.									
		rified. See Volt column: DV means 47 volts. TBD means the fixture co		•				•	
L									



## Job Name: PLATINUM HORIZON

## Catalog #: CLI-NV-2-T4-128L-1-40K7-UNV-XX-XX-HSS

PA



## **KEY FEATURES**

- Ideal High Lumen Output for Area, Site, Roadway, and Large Parking Venues such as: Corporate Parks, Shopping Malls, Event & Sports Stadiums, Roadways, and Airports
- Sleek Robust Design of the NV-2 (Weight: 42 lbs., EPA: 0.61)
- IES Distributions T2, T3, T4, and T5
- 80L, 96L, 112, and 128L LED Configurations, 168 to 467 Watts
- Amber, 2700K, 3000K, 3500K, 4000K, 5000K CCT Multichip High Power 70 & 80 CRI LEDs
- IP65 Rated Against Dust & Water Ingress, IK10 Rated for Tamper/Vandalism/Impact Protection
- Mountings available have a 1.5G to 3G Vibration Rating: Architectural Sweep Arm, Direct Pole 6" and 11" Arm, Knuckle Mount, Wall Mount, Trunnion Mount, Mast Arm Mount, and Tennis Arm
- 20kA Surge Protection (120V 480V), 0 10V Programmable, Dimming LED Drivers
- LED Drivers Ambient Temp. Min (°C) is -40°C and Ambient Temp. Max (°C) ranges from 50°C to 55°C

- $\bullet$  Silicone Micro Optics providing 96% Clarity and Heat Resistant up to 150°C
- 9 Standard Finishes, Marine Grade Finish and Custom Finish Available
- Controls Agnostic, Compatible with Most Control Systems and Sensors
- Environmentally Friendly Product Which Reduces Energy Consumption, L70 > 100,000 hours
- Easy to Install Mounting
- Cost Competitive and Short Shipping Lead Times in Days & Weeks

## **BUY AMERICAN**

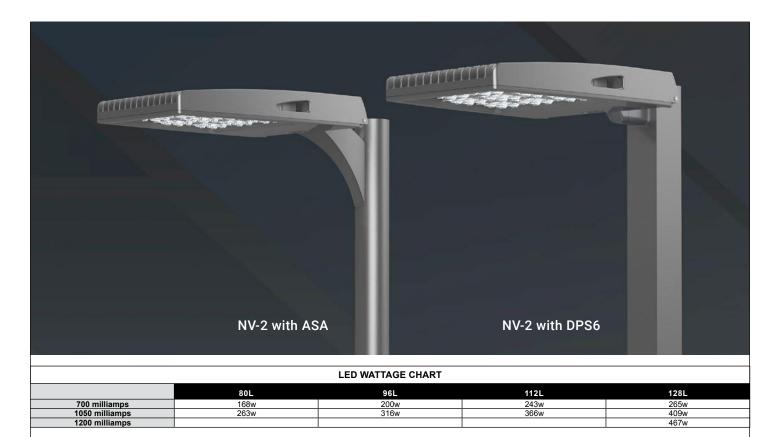




## Job Name: PLATINUM HORIZON

## Catalog #: CLI-NV-2-T3-128L-1-40K7-UNV-XX-XX-HSS





## **KEY FEATURES**

- Ideal High Lumen Output for Area, Site, Roadway, and Large Parking Venues such as: Corporate Parks, Shopping Malls, Event & Sports Stadiums, Roadways, and Airports
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- LED Drivers Ambient Temp. Min (°C) is -40°C and Ambient Temp. Max (°C) ranges from 50°C to 55°C

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- Controls Agnostic, Compatible with Most Control Systems and Sensors
- Environmentally Friendly Product Which Reduces Energy Consumption, L70 > 100,000 hours
- Easy to Install Mounting
- Cost Competitive and Short Shipping Lead Times in Days & Weeks

## **BUY AMERICAN**

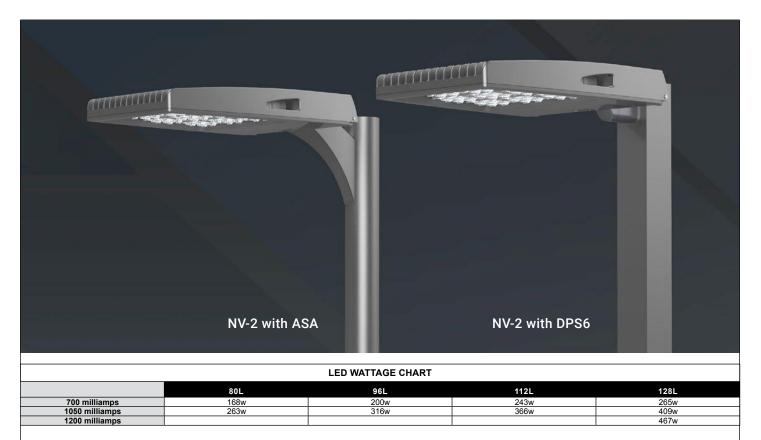




## Job Name: PLATINUM HORIZON

## Catalog #: CLI-NV-2-T3-128L-1-40K7-UNV-XX-XX-XX

PC



## **KEY FEATURES**

- Ideal High Lumen Output for Area, Site, Roadway, and Large Parking Venues such as: Corporate Parks, Shopping Malls, Event & Sports Stadiums, Roadways, and Airports
- Sleek Robust Design of the NV-2 (Weight: 42 lbs., EPA: 0.61)
- IES Distributions T2, T3, T4, and T5
- 80L, 96L, 112, and 128L LED Configurations, 168 to 467 Watts
- Amber, 2700K, 3000K, 3500K, 4000K, 5000K CCT Multichip High Power 70 & 80 CRI LEDs
- IP65 Rated Against Dust & Water Ingress, IK10 Rated for Tamper/Vandalism/Impact Protection
- Mountings available have a 1.5G to 3G Vibration Rating: Architectural Sweep Arm, Direct Pole 6" and 11" Arm, Knuckle Mount, Wall Mount, Trunnion Mount, Mast Arm Mount, and Tennis Arm
- 20kA Surge Protection (120V 480V), 0 10V Programmable, Dimming LED Drivers
- LED Drivers Ambient Temp. Min (°C) is -40°C and Ambient Temp. Max (°C) ranges from 50°C to 55°C

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- Environmentally Friendly Product Which Reduces Energy Consumption, L70 > 100,000 hours
- Easy to Install Mounting
- Cost Competitive and Short Shipping Lead Times in Days & Weeks

## **BUY AMERICAN**



## Type:

## **NV-2 ORDERING GUIDE**

NV-Z URDE	RING GUID	E			
Cat#	Light Dist.	# of LEDs	Miliamps	Kelvin	Volts
NV-2 (NV-2)	Type 2 ( <b>T2)</b>	80 <b>(80L)</b>	700 <b>(7)</b>	Amber 586-600nM (AMBER) 10, 12, 15	120-277 <b>(UNV)</b>
	Туре 3 <b>(ТЗ)</b>	96 <b>(96L)</b>	1050 <b>(1)</b>	2700K, 70 CRI <b>(27K7)</b> ⁶	347-480 <b>(HV)</b>
	Type 4	112	1200	2700K, 80 CRI	()
	<b>(T4)</b> Type 5	(112L)	(12) 13	(27K8) ^{1, 6} 3000K, 70 CRI	
	<b>(T5)</b> Nema 3	(128L)		<b>(30K7)</b> ⁶ 3000K, 80 CRI	
	30o Narrow Beam (N3)			(30K8) ^{1,6} 3500K, 80 CRI	
				(35K8) ¹	
				4000K, 70 CRI <b>(40K7)</b>	
				4000K, 80 CRI <b>(40K8)</b> 1	
				5000K, 70 CRI <b>(50K7)</b>	
				5000K, 80 CRI <b>(50K8)</b> 1	
Mounting	Color	Controls Options	s Options	Lens Options	
Architectural Sweep Arm (ASA)	Bronze Textured <b>(BRZ)</b>	Nema 7-Pin Receptacl <b>(PE7)</b>	e Bird Spikes ( <b>BS)</b>	Glass Lens <b>(GL) 7</b> , 14, 16	
Direct Pole 6" Arm Single D180	White Textured (WHT)	Photocell + Receptacle (PCR)	e Marine Grade Finish (MGF)	HAL Lens <b>(HAL)</b> ^{8, 16}	
<b>(DPS6)</b> ³ Direct Pole 11" Arm	Smooth White Gloss (SWT)	Receptacle + Shorting C (PER)	ap Optic Plate Painted to Match Fixture		
D90, T90, T120, Quad (DPS11) ³	Silver Metallic (SVR)	FSP-211 with Motion Sen 9'-20' Heights	(OPP)		
Knuckle Mount <b>(KM)</b>	Black Textured	(FSP-20) 4	(QMB)		
Wall Mount (WM)	<b>(BLK)</b> Smooth Black Gloss	21'-40' Heights (FSP-40) ⁴	Retrofit Mount Bracket (RQMB)		
Trunnion Mount	(SBK) Graphite Textured	Custom Controls Integrat <b>(CCI) ۹</b>	3"-4" Pole		
<b>(TM) ²</b> Tennis Arm Mount	(GPH)	Button Type Photocell (PC) ⁴	Round Pole Adaptor		
<b>(TA)</b> Mast Arm Mount	Grey Textured (GRY)		5"-6" Pole (RPA5)		
(MA)	Green Textured (GRN)		Rotated Optic Left (ROL)		
	Hunter Green Textured (HGN)		Rotated Optic Right (ROR)		
	Custom (CS)		Automotive House Side Shield		
NOTES:	Consult Factory for 90 CRI Request	'e	<b>(AHS)</b> House Side Shield		
<ol> <li>Standard finish is stainless stee</li> <li>For Round Pole Specify RPA4 o</li> </ol>	el. Can be painted to match fixture.		<b>(HSS)</b> ⁵ Black Hardware		
<ol> <li>Universal Voltage 120-277</li> <li>HSS not applicable with Nema</li> </ol>	2.		(BH)		
Dark-Sky Association certificati			Black Optic Frame (BOF)		
8. HAL Lens: Yellow Polycarbonat	y tempered per ANSI C1047 (QCH-2 te Lens – less than 2% Blue Light Co tom Control Integration requests (ni	ontent	Buy American Act (BAA) ¹¹		
DMX/RDM, Synapse, Casambi, 10. Turtle Safe	Dali II, Avi-On, or other control syste		Trade Agreement Act (TAA) 11		
<ol> <li>Consult factory for all BAA/TAA</li> <li>Consult Factory for Lead Time</li> <li>1200mA is only available with 1</li> </ol>			Build America Buy American (BABA) ¹¹		
<ol> <li>1200mA is only available with 1</li> <li>700mA is only available with GI</li> <li>Not Available above 1000mA</li> </ol>					
16. Contact Factory					
NL5 701 K	(ingshill Place, Carson, C	A 90746			nlslighting com

NLS LIGHTING 701 Kingshill Place, Carson, CA 90746 Call Us Today (310) 341-2037

## ELECTRICAL

- 120-277 Volts (UNV) or 347-480 Volts (HV)
- 0-10V dimming driver
- Driver power factor at maximum load is ≥ .95, THD maximum load is 15%
- LED Drivers Ambient Temp. Min is -40°C and Ambient Temp. Max ranges from 50°C to 55°C. Consult the factory for revalidation by providing the fixture catalog string before quoting and specifying it.
- All internal wiring UL certified for 600 VAC and 105°C
- All drivers, controls, and sensors housed in enclosed IP65 compartment
- · CRI 70, 80 or 90 (Contact factory for 90 CRI)
- Color temperatures: Amber, 2700K, 3000K, 3500K, 4000K, 5000K
- Surge Protection: 20KA supplied as standard.

## CONSTRUCTION

- Die Cast Aluminum
- External cooling fins
- Corrosion resistant external hardware
- One-piece silicone gasket ensures IP65 seal for electronics compartment
- One-piece Optics Plate™ mounting silicone Micro Optics
- Two-piece silicone Micro Optic system ensures IP67 level seal around each PCB
- Grade 2 Clear Anodized Optics Plate™ standard

## OPTIONS

- BIRD SPIKES (BS) Offers a practical and humane deterrent for larger bird species and provides a cost-effective long-term solution to nuisance bird infestations and protects your property.
- MARINE GRADE FINISH (MGF) A multi-step process creating protective finishing coat against harsh environments. Chemically washed in a 5 stage cleaning system. Pre-baked, Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer. Oven Baked. Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.
- OPTIC PLATE PAINTED TO MATCH FIXTURE (OPP) Optic plate is clear anodized as standard. The optic plate can be powder coated to match the finish of the fixture.
- QUICK MOUNT BRACKET (QMB) Optional Cast Aluminum Bracket designed for quick mounting on Direct Square or Round Poles. Cleat mounts directly to pole for easily hung fixtures. Has a 2"x4" Drill Pattern.
- RETROFIT MOUNT BRACKET Optional Cast Aluminum Bracket designed for quick mounting on Direct Square or Round Poles. Cleat mounts directly to pole for easily hung fixtures. Drill Pattern is adjustable from 2"x4" to 2"x6".
- ROUND POLE ADAPTER (RPA) When using round poles, specify Round Pole Adapter (RPA). Specify RPA4 when installing on 3"-4" round poles, and RPA5 when installing on 5"-6" round poles.
- ROTATED OPTICS (ROL) (ROR) Rotated optics are designed for perimeter lighting for auto dealerships.
- SHIELDS (HSS, AHS) House Side Shield (HSS) is designed for full property line cut-off. Automotive House Side Shield (AHS) is a single-sided shield allowing partial cut-off on either side or front of luminaire.
- · Black Hardware (BH) Optional black, zinc coated steel hardware.
- · Black Optic Frame (BOF) Optional black optic frame. Standard is white.
- · GLASS LENS (GL) Low Iron Glass, fully tempered.
- · High performance amber lens (hal)

## CONTROL OPTIONS

- FSP-211 (FSP-X) Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
- All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
- FSP-20 mounting heights 9-20 feet
- FSP-40 mounting heights 21-40 feet.
- Includes 5 dimming event cycles, 0-10V dimming with motion sensing, re-programmable in the field.
- FSIR-100 commissioning remote is required to change sensor settings. Please contact factory for ordering.
- Controls Agnostic: Please contact factory for your preferred controls option. (nLight, NX, WaveLinx, Crestron, DMX/RDM,Synapse, Casambi, Dali II, or other control systems)
- NEMA 7-PIN RECEPTACLE (PE7)—An ANSI C136.41-2013 receptacle provides electrical and mechanical interconnection between photo control cell and luminaire. Dimming receptacle available two or four dimming contacts supports 0-10 VDC dimming methods or Digital Addressable Lighting Interface (DALI), providing reliable power interconnect.
- PHOTOCELL + RECEPTACLE (PCR)-7-Pin Receptacle and Electronic Twist Lock Photocell for dusk to dawn operation.
- RECEPTACLE + SHORTING CAP (PER)-7-Pin Receptacle and Shorting Cap.

### FINISH

- 3-5 mils electrostatic powder coat.
- NLS Light's standard high-quality finishes prevent corrosion protects against and extreme environmental conditions.

## WARRANTY

Five-year limited warranty for drivers and LEDs.

### OPTICS

Silicone optics high thermal stability and light output provide higher powered LEDs with minimized lumen depreciation. UV stability with scratch resistance increases exterior application durability. Silicone optics do not yellow, crack or brittle over time

## LISTINGS

- Certified to UL 1598
- UL 8750
- CSA C22.2 No. 250.0
- DesignLights Consortium® (DLC)
- DesignLights Consortium Premium® (DLCP)
- IP65/ IP67 Rated
- 3G Vibration Rated per ANSI C136.31-2010
- IDA Dark Sky Approved
- IK10 Rated

## **BUY AMERICAN OPTION**

While all of the NLS Lighting products listed in this document qualify for the Buy America(n) Act of 1933, we reserve the right to change our listings without notice.

The information provided above is for general informational purposes only. We encourage you to consult legal professionals for advice particular to your projects concerning BAA, TAA, BABA or Buy America.

Additional NLS Products that meet BAA, TAA standards can be found at the following link:

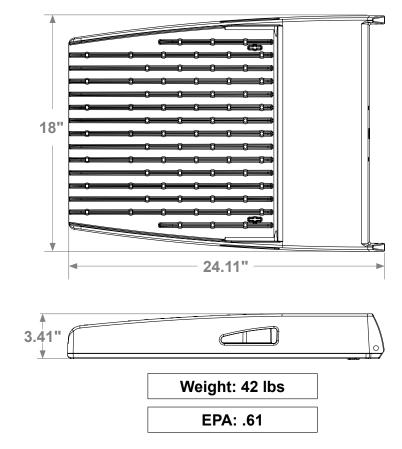
## https://nlslighting.com/buy-american/



The information and specifications on this document are subject to change without any notification. All values are design, nominal, typical or prorated values when measured under internal and external laboratory conditions.

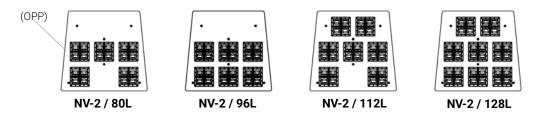


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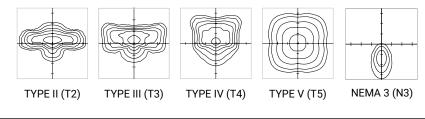
## **OPTICAL CONFIGURATIONS**

Rotatable Optics (ROR) Rotated Right, (ROL) Rotated Left options available. Optics field and factory rotatable. * OPTIC PLATE PAINTED TO MATCH FIXTURE FINISH (OPP)– Optic Plate standard clear anodized, Grade 2. When (OPP) specified, Optic Plate finish will match fixture finish.



## **OPTICS**

Silicone optics high photothermal stability and light output provides higher powered LEDs with minimized lumen depreciation LED life. UV and thermal stability with scratch resistance increases exterior application durability. IES Types





701 Kingshill Place, Carson, CA 90746 Call Us Today (310) 341-2037

LUMENS													
PART NUMBER	N3	LM/W	T2	LM/W	тз	LM/W	T4	LM/W	T4 AHS	LM/W	Т5	LM/W	w
NV-2-80L-7-30K7	18816	112	19744	116	19218	113	18992	112	12096	72	19713	117	168
NV-2-80L-7-40K7	19488	116	21000	125	20328	121	20160	120	12768	76	21168	126	168
NV-2-80L-7-50K7	20160	120	21672	129	21168	126	21000	125	13440	80	21840	130	168
NV-2-80L-1-30K7	29456	112	28141	107	27352	104	30245	115	18936	72	29193	111	263
NV-2-80L-1-40K7	30508	116	30245	115	29456	112	32086	122	19988	76	31297	119	263
NV-2-80L-1-50K7	31560	120	31297	119	30508	116	33664	128	21040	80	33138	126	263
NV-2-96L-7-30K7	22400	112	23200	116	22600	113	22400	112	14400	72	23400	117	200
NV-2-96L-7-40K7	23200	116	25000	125	24200	121	24000	120	15200	76	25200	126	200
NV-2-96L-7-50K7	24000	120	25800	129	25200	126	25000	125	16000	80	26000	130	200
NV-2-96L-1-30K7	35392	112	33812	107	32864	104	36340	115	22752	72	35076	111	316
NV-2-96L-1-40K7	36656	116	36340	115	35392	112	38552	122	24016	76	37604	119	316
NV-2-96L-1-50K7	37920	120	37604	119	36656	116	40448	128	25280	80	39816	126	316
VV-2-112L-7-30K7	27216	112	28188	116	27459	113	27216	112	17496	72	28431	117	243
VV-2-112L-7-40K7	28188	116	30375	125	29403	121	29160	120	18468	76	30618	126	243
VV-2-112L-7-50K7	29160	120	31347	129	30618	126	30375	125	19440	80	31590	130	243
VV-2-112L-1-30K7	40992	112	39162	107	38064	104	42090	115	26352	72	40626	111	366
NV-2-112L-1-40K7	42456	116	42090	115	40992	112	44652	122	27816	76	43554	119	366
NV-2-112L-1-50K7	43920	120	43554	119	42456	116	46848	128	29280	80	46116	126	366
V-2-128L-7-30K7	29680	112	30740	116	29945	113	29680	112	19080	72	31005	117	26
V-2-128L-7-40K7	30740	116	33125	125	32065	121	31800	120	20140	76	33390	126	26
V-2-128L-7-50K7	31800	120	34185	129	33390	121	33125	125	21200	80	34450	130	26
V-2-128L-1-30K7	45808	112	43763	107	42536	104	47035	115	29448	72	45399	111	409
V-2-128L-1-30K7	47444	112	47035	115	42330	112	49898	122	31084	72	43399	119	409
NV-2-128L-1-50K7	49080	120	48671	119	47445	112	52352	122	33129	81	51534	126	409
IV-2-128L-12-30K7	52352	112	50015	107	48613	104	48144	103	55129	01	50483	108	403
IV-2-128L-12-30K7	54222	112	53754	115	52353	112	51884	103			54222	116	467
IV-2-128L-12-50K7	56091	120	55624	119	54222	112	55157	118			56092	120	467
10-2-120L-12-30K7	50091	120			-				ation certificatio	in.	30092	120	407
BUG RATIN	65									_			
PART NUMBER		T2		Т3		T4			Т5				
NV-2-80L-7-30K7		33-U0-G3		B3-U0-G		B3-U0-			5-U0-G3				
NV-2-80L-7-40K7		33-U0-G3		B3-U0-G		B3-U0-			5-U0-G3				
NV-2-80L-7-50K7		33-U0-G3		B3-U0-G		B3-U0-			5-U0-G3				
NV-2-80L-1-30K7		33-U0-G3		B3-U0-G	64	B3-U0-	-		5-U0-G3				
NV-2-80L-1-40K7		33-U0-G3		B3-U0-G		B3-U0-			5-U0-G3				
NV-2-80L-1-50K7		33-U0-G4		B3-U0-G		B3-U0-			5-U0-G4				
NV-2-96L-7-30K7	E	33-U0-G3		B3-U0-G	3	B3-U0-	G3	B5	5-U0-G3				
NV-2-96L-7-40K7	E	33-U0-G3		B3-U0-G	33	B3-U0-	-G3	B5	5-U0-G3				
NV-2-96L-7-50K7	E	33-U0-G3		B3-U0-G	33	B3-U0-	·G4	B5	5-U0-G3				
NV-2-96L-1-30K7	E	33-U0-G4		B4-U0-G	64	B3-U0-	·G4	B5	5-U0-G4				
NV-2-96L-1-40K7	E	3-U0-G4		B4-U0-G	64	B3-U0-	·G4	B5	5-U0-G4				
NV-2-96L-1-50K7	E	33-U0-G4		B4-U0-G	64	B3-U0-	·G4	B5	5-U0-G4				
NV-2-112L-7-30K7	E	33-U0-G3		B3-U0-G	64	B3-U0-	·G4	B5	5-U0-G3				
NV-2-112L-7-40K7	E	33-U0-G3		B3-U0-G	64	B3-U0-	·G4	B5	5-U0-G3				
NV-2-112L-7-50K7	E	3-U0-G4		B3-U0-G	34	B3-U0-	G4	B5	5-U0-G4				

NV-2-96L-7-30K7	B3-U0-G3	B3-U0-G3	B3-U0-G3	B5-U0-G3
NV-2-96L-7-40K7	B3-U0-G3	B3-U0-G3	B3-U0-G3	B5-U0-G3
NV-2-96L-7-50K7	B3-U0-G3	B3-U0-G3	B3-U0-G4	B5-U0-G3
NV-2-96L-1-30K7	B3-U0-G4	B4-U0-G4	B3-U0-G4	B5-U0-G4
NV-2-96L-1-40K7	B3-U0-G4	B4-U0-G4	B3-U0-G4	B5-U0-G4
NV-2-96L-1-50K7	B3-U0-G4	B4-U0-G4	B3-U0-G4	B5-U0-G4
NV-2-112L-7-30K7	B3-U0-G3	B3-U0-G4	B3-U0-G4	B5-U0-G3
NV-2-112L-7-40K7	B3-U0-G3	B3-U0-G4	B3-U0-G4	B5-U0-G3
NV-2-112L-7-50K7	B3-U0-G4	B3-U0-G4	B3-U0-G4	B5-U0-G4
NV-2-112L-1-30K7	B4-U0-G4	B4-U0-G4	B4-U0-G5	B5-U0-G4
NV-2-112L-1-40K7	B4-U0-G4	B4-U0-G4	B4-U0-G5	B5-U0-G4
NV-2-112L-1-50K7	B4-U0-G4	B4-U0-G4	B4-U0-G5	B5-U0-G4
NV-2-128L-7-30K7	B3-U0-G3	B3-U0-G4	B3-U0-G4	B5-U0-G4
NV-2-128L-7-40K7	B3-U0-G3	B3-U0-G4	B3-U0-G4	B5-U0-G4
NV-2-128L-7-50K7	B3-U0-G4	B4-U0-G4	B3-U0-G4	B5-U0-G4
NV-2-128L-1-30K7	B4-U0-G4	B4-U0-G4	B4-U0-G5	B5-U0-G4
NV-2-128L-1-40K7	B4-U0-G4	B4-U0-G4	B4-U0-G5	B5-U0-G4
NV-2-128L-1-50K7	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5
NV-2-128L-12-30K7	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5
NV-2-128L-12-40K7	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5
NV-2-128L-12-50K7	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5

## EPA

EPA	SGL	D90	D180	Т90	T120	QD
NV-2-DP	0.89	1.22	1.78	1.96	1.91	1.96
NV-2-KM	0.69	1.18	1.38	1.85	2.68	1.85
NV-2-ASA	0.98	1.96	1.75	2.66	2.62	2.66

## **DPX ARM LENGTH**

DPX ARM LENGTH	SGL 🗇	D90 🖏	D180	T90≝⊒™	T120 🙏	QD 👘
NV-2	6.25"	11.25"	6.25"	11.25"	11.25"	11.25"



PART NUMBER	T2 HSS	LM/W	T3 HSS	LM/W	T4 HSS	LM/W	w
NV-2-80L-700-27K7	12131	72	11692	70	11752	70	168
NV-2-80L-700-27K8	11359	68	10948	65	11004	65	168
NV-2-80L-700-30K8	12178	72	11738	70	11798	70	168
NV-2-80L-700-30K7	13116	78	12642	75	12706	76	168
NV-2-80L-700-35K8	12178	72	11738 12642	70	11798 12706	70 76	168 168
NV-2-80L-700-40K8 NV-2-80L-700-40K7	13116 14172	84	12642	81	13729	82	168
NV-2-80L-700-50K8	13116	78	12642	75	12706	76	168
NV-2-80L-700-50K7	14172	84	13659	81	13729	82	168
NV-2-80L-1050-27K7	18197	69	17538	67	17628	67	263
NV-2-80L-1050-27K8	17038	65	16422	62	16506	63	263
NV-2-80L-1050-30K8	18268	69	17607	67	17697	67	263
NV-2-80L-1050-30K7 NV-2-80L-1050-35K8	19674 18268	75 69	18962 17607	72 67	19060 17697	72 67	263 263
NV-2-80L-1050-35K8	19674	75	18962	72	19060	72	263
NV-2-80L-1050-40K7	21258	81	20489	78	20594	78	263
NV-2-80L-1050-50K8	19674	75	18962	72	19060	72	263
NV-2-80L-1050-50K7	21258	81	20489	78	20594	78	263
NV-2-96L-700-27K7	14557	73	14031	70	14103	71	200
NV-2-96L-700-27K8 NV-2-96L-700-30K8	13631 14614	68 73	13137 14085	66 70	13205 14157	66 71	200
NV-2-96L-700-30K8	15740	73	14085	70	15248	76	200
NV-2-96L-700-35K8	14614	73	14085	70	14157	71	200
NV-2-96L-700-40K8	15740	79	15170	76	15248	76	200
NV-2-96L-700-40K7	17007	85	16391	82	16475	82	200
NV-2-96L-700-50K8	15740	79	15170	76	15248	76	200
NV-2-96L-700-50K7 NV-2-96L-1050-27K7	17007 21836	85 69	16391 21046	82 67	16475 21154	82 67	200 316
NV-2-96L-1050-27K7	20446	65	19706	62	19807	63	316
NV-2-96L-1050-30K8	21921	69	21128	67	21236	67	316
NV-2-96L-1050-30K7	23609	75	22755	72	22871	72	316
NV-2-96L-1050-35K8	21921	69	21128	67	21236	67	316
NV-2-96L-1050-40K8	23609	75	22755	72	22871	72	316
NV-2-96L-1050-40K7 NV-2-96L-1050-50K8	25510 23609	81 75	24587 22755	78 72	24713 22871	78 72	316 316
NV-2-96L-1050-50K7	25510	81	24587	72	24713	72	316
NV-2-112L-700-27K7	16984	70	16369	67	16453	68	243
NV-2-112L-700-27K8	15902	65	15327	63	15405	63	243
NV-2-112L-700-30K8	17050	70	16433	68	16517	68	243
NV-2-112L-700-30K7	18363	76	17698	73	17789	73	243
NV-2-112L-700-35K8	17050 18363	70 76	16433 17698	68 73	16517 17789	68 73	243 243
NV-2-112L-700-40K8 NV-2-112L-700-40K7	19841	82	17698	73	19221	73	243
NV-2-112L-700-50K8	18363	76	17698	73	17789	73	243
NV-2-112L-700-50K7	19841	82	19123	79	19221	79	243
V-2-112L-1050-27K7	25476	70	24554	67	24679	67	366
V-2-112L-1050-27K8	23854	65	22990	63	23108	63	366
V-2-112L-1050-30K8	25575	70	24649	67	24775	68	366
V-2-112L-1050-30K7	27544 25575	75	26547 24649	73 67	26683 24775	73 68	366 366
V-2-112L-1050-35K8	27544	75	26547	73	26683	73	366
V-2-112L-1050-40K7	29761	81	28684	78	28831	79	366
V-2-112L-1050-50K8	27544	75	26547	73	26683	73	366
V-2-112L-1050-50K7	29761	81	28684	78	28831	79	366
NV-2-128L-700-27K7	19410	73	18707	71	18803	71	265
NV-2-128L-700-27K8 NV-2-128L-700-30K8	18174 19486	69 74	17516 18780	66 71	17606 18877	66 71	265 265
NV-2-128L-700-30K7	20986	74	20226	76	20330	77	265
NV-2-128L-700-35K8	19486	74	18780	71	18877	71	265
NV-2-128L-700-40K8	20986	79	20226	76	20330	77	265
NV-2-128L-700-40K7	22675	86	21855	82	21967	83	265
NV-2-128L-700-50K8	20986	79	20226	76	20330	77	265
NV-2-128L-700-50K7 VV-2-128L-1050-27K7	22675 29115	86 71	21855 28061	82 69	21967 28205	83 69	265 409
V-2-128L-1050-27K7	27261	67	26275	64	28205	65	409
V-2-128L-1050-30K8	29228	71	28170	69	28315	69	409
V-2-128L-1050-30K7	31479	77	30340	74	30495	75	409
V-2-128L-1050-35K8	29228	71	28170	69	28315	69	409
V-2-128L-1050-40K8	31479	77	30340	74	30495	75	409
V-2-128L-1050-40K7	34013	83	32782	80	32950	81	409
V-2-128L-1050-50K8 V-2-128L-1050-50K7	31479 34013	77 83	30340 32782	74 80	30495 32950	75 81	409 409
1 2-120L-1030-30K/	34013	03	32/02	00	32930	01	409



PART NUMBER	T2 HSS B.U.G.	T3 HSS B.U.G.	T4 HSS B.U.G.	w
NV-2-80L-700-27K7	B1-U0-G2	B1-U0-G2	B1-U0-G2	168
NV-2-80L-700-27K8	B1-U0-G2	B1-U0-G2	B1-U0-G2	168
NV-2-80L-700-30K8	B1-U0-G2	B1-U0-G2	B1-U0-G2	168
NV-2-80L-700-30K7	B1-U0-G3	B1-U0-G3	B1-U0-G3	168
NV-2-80L-700-35K8 NV-2-80L-700-40K8	B1-U0-G2 B1-U0-G2	B1-U0-G2 B1-U0-G2	B1-U0-G2 B1-U0-G3	168 168
NV-2-80L-700-40K8	B1-00-G2 B1-U0-G2	B1-00-G2 B1-U0-G2	B1-00-G3	168
NV-2-80L-700-50K8	B1-00-62	B1-00-62	B1-00-G3	168
NV-2-80L-700-50K7	B1-U0-G2	B1-U0-G2	B1-U0-G3	168
NV-2-80L-1050-27K7	B2-U0-G3	B1-U0-G3	B1-U0-G3	263
NV-2-80L-1050-27K8	B2-U0-G2	B1-U0-G3	B1-U0-G3	263
NV-2-80L-1050-30K8	B2-U0-G3	B1-U0-G3	B1-U0-G3	263
NV-2-80L-1050-30K7	B2-U0-G3	B1-U0-G3	B1-U0-G4	263
NV-2-80L-1050-35K8 NV-2-80L-1050-40K8	B2-U0-G3 B2-U0-G3	B1-U0-G3 B1-U0-G3	B1-U0-G3 B1-U0-G4	263 263
NV-2-80L-1050-40K7	B2-00-G3	B1-00-G3	B1-00-64	263
NV-2-80L-1050-50K8	B2-U0-G3	B1-U0-G3	B1-U0-G4	263
NV-2-80L-1050-50K7	B2-U0-G3	B1-U0-G3	B1-U0-G4	263
NV-2-96L-700-27K7	B1-U0-G2	B1-U0-G2	B1-U0-G3	200
NV-2-96L-700-27K8	B1-U0-G2	B1-U0-G2	B1-U0-G3	200
NV-2-96L-700-30K8	B1-U0-G2	B1-U0-G2	B1-U0-G3	200
NV-2-96L-700-30K7	B1-U0-G2 B1-U0-G2	B1-U0-G3 B1-U0-G2	B1-U0-G3 B1-U0-G3	200
NV-2-96L-700-35K8 NV-2-96L-700-40K8	B1-U0-G2 B1-U0-G2	B1-U0-G2 B1-U0-G3	B1-00-G3 B1-U0-G3	200
NV-2-96L-700-40K7	B1-00-32 B2-U0-G2	B1-00-G3	B1-00-63	200
NV-2-96L-700-50K8	B1-U0-G2	B1-U0-G3	B1-U0-G3	200
NV-2-96L-700-50K7	B2-U0-G2	B1-U0-G3	B1-U0-G3	200
NV-2-96L-1050-27K7	B2-U0-G3	B1-U0-G3	B1-U0-G4	316
NV-2-96L-1050-27K8	B2-U0-G3	B1-U0-G3	B1-U0-G4	316
NV-2-96L-1050-30K8	B2-U0-G3	B1-U0-G3	B1-U0-G4	316
NV-2-96L-1050-30K7 NV-2-96L-1050-35K8	B2-U0-G3 B2-U0-G3	B1-U0-G4 B1-U0-G3	B2-U0-G4 B1-U0-G4	316 316
NV-2-96L-1050-35K8	B2-00-G3	B1-00-G3 B1-U0-G4	B1-00-64 B2-U0-64	316
NV-2-96L-1050-40K7	B2-U0-G3	B1-U0-G4	B2-U0-G4	316
NV-2-96L-1050-50K8	B2-U0-G3	B1-U0-G4	B2-U0-G4	316
NV-2-96L-1050-50K7	B2-U0-G3	B1-U0-G4	B2-U0-G4	316
NV-2-112L-700-27K7	B2-U0-G2	B1-U0-G3	B1-U0-G3	243
NV-2-112L-700-27K8	B2-U0-G2	B1-U0-G3	B1-U0-G3	243
NV-2-112L-700-30K8 NV-2-112L-700-30K7	B2-U0-G2 B2-U0-G3	B1-U0-G3 B1-U0-G3	B1-U0-G3 B1-U0-G3	243 243
NV-2-112L-700-35K8	B2-00-G3 B2-U0-G2	B1-00-G3	B1-00-G3	243
NV-2-112L-700-40K8	B2-U0-G3	B1-U0-G3	B1-U0-G3	243
NV-2-112L-700-40K7	B2-U0-G3	B1-U0-G3	B1-U0-G4	243
NV-2-112L-700-50K8	B2-U0-G3	B1-U0-G3	B1-U0-G3	243
NV-2-112L-700-50K7	B2-U0-G3	B1-U0-G3	B1-U0-G4	243
NV-2-112L-1050-27K7	B2-U0-G3	B1-U0-G4	B2-U0-G4	366
NV-2-112L-1050-27K8 NV-2-112L-1050-30K8	B2-U0-G3 B2-U0-G3	B1-U0-G4 B1-U0-G4	B2-U0-G4 B2-U0-G4	366
NV-2-112L-1050-30K7	B2-00-G3 B2-U0-G4	B1-00-G4	B2-00-64 B2-U0-64	366
NV-2-112L-1050-35K8	B2-00-G3	B1-00-G4	B2-00-G4	366
NV-2-112L-1050-40K8	B2-U0-G4	B1-U0-G4	B2-U0-G4	366
NV-2-112L-1050-40K7	B2-U0-G4	B2-U0-G4	B2-U0-G4	366
NV-2-112L-1050-50K8	B2-U0-G4	B1-U0-G4	B2-U0-G4	366
NV-2-112L-1050-50K7	B2-U0-G4	B2-U0-G4	B2-U0-G4	366
NV-2-128L-700-27K7	B2-U0-G3 B2-U0-G3	B1-U0-G3 B1-U0-G3	B1-U0-G3 B1-U0-G3	265 265
NV-2-128L-700-27K8 NV-2-128L-700-30K8	B2-00-G3 B2-U0-G3	B1-00-G3 B1-U0-G3	B1-00-G3 B1-U0-G3	265
NV-2-128L-700-30K7	B2-00-G3	B1-00-G3	B1-00-G3	265
NV-2-128L-700-35K8	B2-U0-G3	B1-U0-G3	B1-U0-G3	265
NV-2-128L-700-40K8	B2-U0-G3	B1-U0-G3	B1-U0-G4	265
NV-2-128L-700-40K7	B2-U0-G3	B1-U0-G3	B2-U0-G4	265
NV-2-128L-700-50K8	B2-U0-G3	B1-U0-G3	B1-U0-G4	265
NV-2-128L-700-50K7	B2-U0-G3	B1-U0-G3	B2-U0-G4	265
NV-2-128L-1050-27K7 NV-2-128L-1050-27K8	B2-U0-G4 B2-U0-G4	B1-U0-G4 B1-U0-G4	B2-U0-G4 B2-U0-G4	409
NV-2-128L-1050-27K8 NV-2-128L-1050-30K8	B2-00-G4 B2-U0-G4	B1-U0-G4 B1-U0-G4	B2-U0-G4 B2-U0-G4	409
NV-2-128L-1050-30K7	B2-00-G4	B1-00-64 B2-U0-G4	B2-00-64 B2-U0-65	409
NV-2-128L-1050-35K8	B2-00-G4	B1-U0-G4	B2-00-G4	409
NV-2-128L-1050-40K8	B2-U0-G4	B2-U0-G4	B2-U0-G5	409
NV-2-128L-1050-40K7	B3-U0-G4	B2-U0-G4	B2-U0-G5	409
NV-2-128L-1050-50K8	B2-U0-G4	B2-U0-G4	B2-U0-G5	409
IV-2-128L-1050-50K7	B3-U0-G4	B2-U0-G4	B2-U0-G5	409

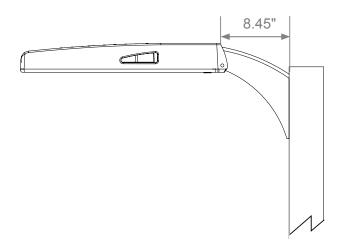


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## **MOUNTING OPTIONS**

## **ARCHITECTURAL SWEEP ARM (ASA)**

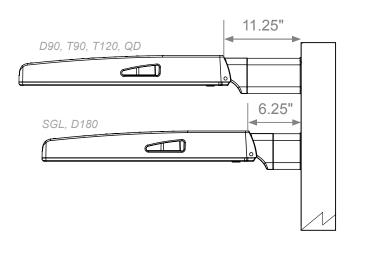
Cast Sweep Arm includes (as standard) Internal Quick Mount Bracket.





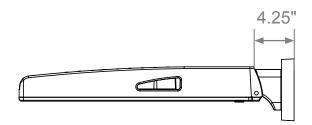
## **DIRECT POLE (DP)**

Standard mounting arm is extruded aluminum in lengths of 6.25" and 11.25". *Arm lengths may vary depending on configuration



## WALL MOUNT (WM)

Cast Aluminum Plate for direct wall mount. 3" extruded aluminum arm mounts directly to a cast wall mount box.



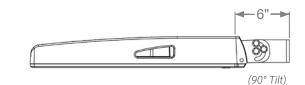




## **MOUNTING OPTIONS**

## **TRUNNION MOUNT (TM)**

Steel, bolt-on-mounting for adjustable installation with a maximum uplift of 90 degrees. *Unpainted stainless steel is standard

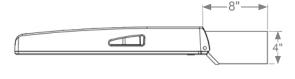




## TENNIS ARM (TA)

Steel fitter slips over 3.5" x 1.5" rectangular arm. *See Tennis Arm Spec Sheet for details

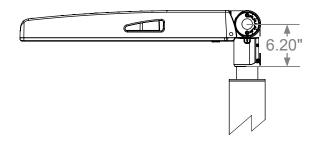




## KNUCKLE MOUNT (KM)

Die Cast Knuckle great for adjustable installation on 2-3/8" OD vertical or horizontal tenon.

- Max Up-tilt of 90 degrees
- Adjustable in 6 degree increments





## MAST ARM MOUNT (MA)

Mast Arm Fitter slips over 2-3/8" OD tenon.



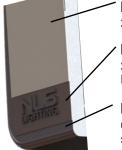


## **BIRD SPIKES (BS)**

Bird Spikes offers effective and humane deterrent for larger bird species and provides cost-effective long-term solution to nuisance bird infestations and protect your property.



The **(MGF)** is a multi step process. Chemically washed in a 5 stage cleaning system. Pre-baked. Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer. Oven Baked. Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.



**Powder Coat Finish** 3-5 mil Powder Coat

**Primer Layer** 3-5 mil Zinc Rich Super Durable Polyester Primer

## Prepared Casting Chemically washed in multi Step 5 stage cleaning process

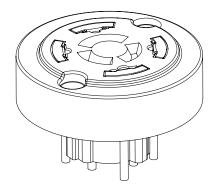
## **OPTIC PLATE PAINTED TO MATCH (OPP)**

Optic plate is clear anodized as standard. The optic plate can be powder coated to match the finish of the fixture.

# 

## **NEMA 7-PIN RECEPTACLE (PE7)**

An ANSI C136.41-2013 receptacle provides electrical and mechanical interconnection between photo control cell and luminaire. Dimming receptacle available two or four dimming contacts supports 0-10 VDC dimming methods or Digital Addressable Lighting Interface (DALI), providing reliable power interconnect.





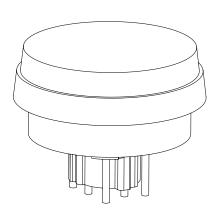
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## **PHOTOCELL + RECEPTACLE (PCR)**

7-Pin Receptacle and Electronic Twist Lock Photocell for dusk to dawn operation.

## **RECEPTACLE + SHORTING CAP (PER)**

7-Pin Receptacle and Shorting Cap.



## QUICK MOUNT BRACKET (QMB)

Optional Cast Aluminum Bracket designed for quick mounting on Direct Square or Round Poles. Cleat mounts directly to pole for easily hung fixtures. Has a 2"x4" Drill Pattern.





## **RETROFIT MOUNT BRACKET (RQMB)**

Optional Cast Aluminum Bracket designed for quick mounting on Direct Square or Round Poles. Cleat mounts directly to pole for easily hung fixtures. Drill Pattern is adjustable from 2"x4" to 2"x6".



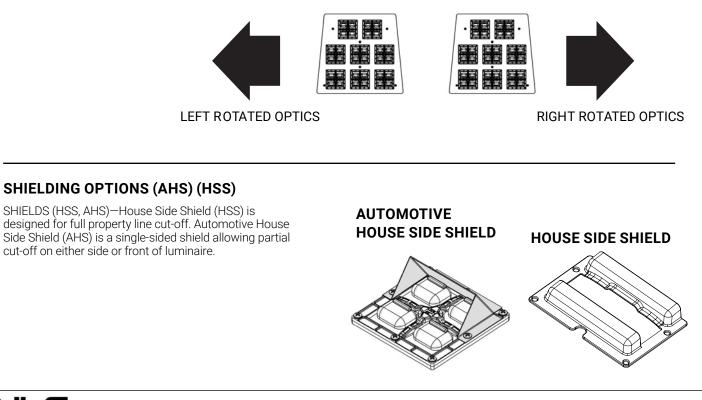
RPA5

RPA4

## **ROUND POLE ADAPTER OPTIONS (RPA4) (RPA5)**

When using round poles, specify Round Pole Adapter (RPA). Specify RPA4 when installing on 3''-4'' round poles, and RPA5 when installing on 5''-6'' round poles.





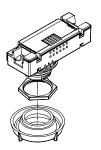
**RPA4 / RPA5** 



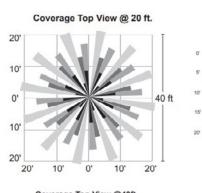
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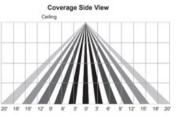
## CONTROLS

- DIMMING CONTROL (FSP)—Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
  - All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
  - FSP-20 mounting heights 9-20 feet
  - FSP-40 mounting heights 21-40 feet.
  - Includes 5 dimming event cycles, 0-10V dimming with motion sensing, re-programmable in the field.

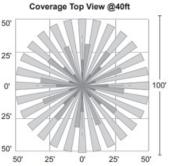


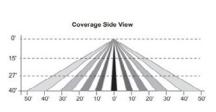
FSP-20



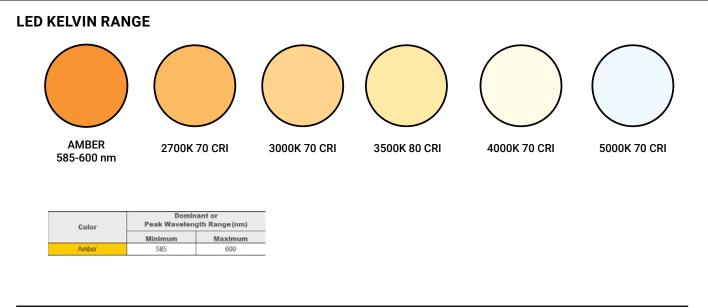


## FSP-40









## **BLACK HARDWARE**

Optional black, zinc coated steel hardware.



## **BLACK OPTIC FRAME**

Optional Black Optic Frame. Standard is white.







## Catalog #: CLI-NV-W-T4-32L-1-40K7-UNV-WM-XX-XX-XX



	LED WATTAGE CHART							
	16L	32L						
400 milliamps	21w	-						
530 milliamps	29w	-						
700 milliamps	37w	71w						
1000 milliamps	-	100w						
1050 milliamps	56w							

## **KEY FEATURES**

- Ideal for Exterior Walls, Entryways, Pathways, New Construction and Renovation, Warehouse and Receiving Docks, Court Yards, and School Playgrounds
- Sleek Minimalistic Design of the the NV-W (up to 11,000 Lumens, 12"W x 9"D x 5.5"H) Compliments the Design of the NV-W2 (up to 24,000 Lumens, 18"W x 9.38"D x 5"H)
- Amber, 2700K, 3000K, 3500K, 4000K, 5000K CCT Multichip High Power 70 & 80 CRI LEDs
- IP65 Rated Against Dust & Water Ingress, IK10 Rated for Tamper/ Vandalism/Impact Protection
- 20kA Surge Protection (120V 480V) Cold Weather Integrated Battery Back-Up Safety Options
- $\bullet$  Silicone Optics providing 96% Clarity and Heat Resistant up to 150°C
- 9 Standard Finishes, Custom Finish and Marine Grade Finish Available

- Controls Agnostic, Compatible with Most Control Systems and Sensors
- Environmentally Friendly Product Which Reduces Energy Consumption, L70 > 100,000 hours
- IDA qualified for 3000K CCT and Lower for Down-light Application, Reducing Light Pollution and Trespass
- Buy America(n) Option Available, Quick Mount for Easy Installation
- Cost Competitive and Short Shipping Lead Times in Days & Weeks

## **BUY AMERICAN**



## Type:

## **NV-W ORDERING GUIDE**

	ERING GUIL				
Cat#	Light Dist.	# of LEDs	Miliamps	Kelvin	Volts
NV-W (NV-W)	Type 2 (T2) Type 3 (T3) Type 4 (T4)	16 (16L) 32 (32L)	400 (40) 530 (53) 700 (7) 1000 (1A) ⁵ 1050 (1) ⁶	Amber 585-600nM (AMBER) 11, 13, 14 2700K, 70 CRI (27K7) 7 2700K, 80 CRI (27K8) 1, 7 3000K, 70 CRI (30K7) 7 3000K, 80 CRI (30K8) 1, 7 3500K, 80 CRI (35K8) 4000K, 70 CRI (40K7) 4000K, 70 CRI (40K8) 1 5000K, 70 CRI (50K7)	120-277 (UNV) 347-480 (HV)
Mounting	Color	Controls Options	Options	(50K8) ¹ Lens Options	
Wall Mount (WM) NOTES: 1. Consult Factory for Lead T	Bronze Textured (BRZ) White Textured (WHT) Smooth White Gloss (SWT) Silver Metallic (SVR) Black Textured (BLK) Smooth Black Gloss (SBK) Graphite Textured (GPH) Grey Textured (GRY) Green Textured (GRN) Hunter Green Textured (HGN) Custom (CS)	Nema 7-Pin Receptacle (PE7) ² Button Photocell (PC) ³ FSP-211 with Motion Sensor (UNV Voltage) *8' and Below (FSP-8) ³ *9'-20' Heights (FSP-20) ³	Marine Grade Finish (MGF) Vanity Plate 22"x16" (VP) Housing Extension (HE) Surge Protector (20KA) Emergency Battery 4W (EMA) 2.3.4 Emergency Battery 8W (EMB) 2.3.4 Emergency Cold Pk Battery 14W (EMCP) 2.3.4 Black Hardware (BH) Black Aptic Frame (BOF) Buy American Act (TAA) 12 Build America Buy America	Glass Lens (GL) 8, 15 HAL Lens (HAL) 9, 15	
<ol> <li>Requires Housing Extension</li> <li>Universal Voltage 120-27</li> <li>All Emergency Battery Opt</li> <li>(1A) 32L only</li> <li>(1) 16L only</li> <li>3000K or lower must be set</li> <li>Glass Lens: Low iron glass</li> <li>HAL Lens: Yellow Polycarb</li> <li>Please contact Factory for</li> </ol>	on ions Certified CA Title 20 elected to meet International I s, fully tempered per ANSI C10 ponate Lens – less than 2% BI Custom Control Integration rr pse, Casambi, Dali II, Avi-On, o ,/TAA/BABA requests ime	Dark Sky Association certification 147 ue Light Content equests (nLight, NX, WaveLinx,	Buy American (BABA) 12 Custom Controls Integration (CCI) 10		
	ingshill Place, Carson, C <b>s Today</b> (310) 341-2037	A 90746			nlslighting.com

## ELECTRICAL

- 120-277 Volts (UNV) or 347-480 Volts (HV)
- 0-10V dimming driver
- Driver power factor at maximum load is  $\geq$  .95, THD maximum load is 15%
- LED Drivers Ambient Temp. Min is -40°C and Ambient Temp. Max ranges from 50°C to 55°C and, in some cases, even higher. Consult the factory for revalidation by providing the fixture catalog string before quoting and specifying it.
- All internal wiring UL certified for 600 VAC and 105°C
- All drivers, controls, and sensors housed in enclosed IP66 compartment
- CRI 70, 80, 90
- Color temperatures: 2700K, 3000K, 3500K, 4000K, 5000K

## CONSTRUCTION

- Die Cast Aluminum
- Internal cooling fins
- Corrosion resistant external hardware
  One-piece silicone gasket ensures IP65 seal for
- electronics compartment • Two-piece silicone Micro Optic system ensures IP67 level seal around each PCB
- Silicone Micro Optics: Recessed, full cutoff, vandal resistant and non-yellowing
- Dark Sky Approved

## OPTIONS

MARINE GRADE FINISH (MGF) - A multi-step process creating protective finishing coat against harsh environments. Chemically washed in a 5 stage cleaning system. Prebaked, Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer. Oven Baked. Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.

VANITY PLATE (VP) - Optional Vanity Plate was designed to cover the unsightly remains on a wall where a larger HID wallpack was removed. The aluminum Vanity Plate will be painted to match the finish of the NV-W2, custom finishes are available, please consult factory. The standard Vanity Plate is 22"W x 16"H.

20KA SURGE PROTECTOR (20KA) - protects the complete system against nominal surges of up to 20KA. Protection against power surges, storms and lightning strikes.

## EMERGENCY BATTERY BACKUP

EMERGENCY COLD PACK BATTERY (EMPC) - Emergency cold pack (-20°C minimum) battery system available in 14W output.

BLACK HARDWARE (BH) - Black stainless steel hardware.

BLACK OPTIC FRAME (BOF) - Black optic frame. Standard is white.

GLASS LENS (GL) - Low Iron Glass, fully tempered.

HIGH PERFORMANCE AMBER LENS (HAL) -

## CONTROL OPTIONS

- FSP-211 (FSP-X)—Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
- All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
- FSP-8 Mounting heights 8 feet and below
- FSP-20 mounting heights 9-20 feet
- Includes 5 dimming event cycles, 0-10V dimming with motion sensing, re-programmable in the field. Programmable remote must be purchased separately.
- FSIR-100 commissioning remote is required to change sensor settings. Please contact factory for ordering.
- Controls Agnostic: Please contact factory for your preferred controls option.

NEMA 7-PIN RECEPTACLE (PE7)—An ANSI C136.41-2013 receptacle provides electrical and mechanical interconnection between photo control cell and luminaire. Dimming receptacle available two or four dimming contacts supports 0-10 VDC dimming methods or Digital Addressable Lighting Interface (DALI), providing reliable power interconnect.

BUTTON PHOTOCELL-Dusk to dawn optional Button Photocell.

### FINISH

3-5 mils electrostatic powder coat. NLS Lighting's standard high-quality finishes prevent corrosion, and protects against extreme environmental conditions.

## WARRANTY

Five-year limited warranty for drivers and LEDs.

### OPTICS

Silicone optics high thermal stability and light output provide higher powered LEDs with minimized lumen depreciation. UV stability with scratch resistance increases exterior application durability. Silicone optics do not yellow, crack or brittle over time.

## LISTINGS

•

- Certified to UL 1598
- UL 8750
- CSA C22.2 No. 250.0
- DesignLights Consortium® (DLC)
- DesignLights Consortium Premium[®] (DLCP)
   IP65 Rated Fixture / IP67 Rated Optics
- IK10 Rated
- IDA Dark Sky Approved

#### **BUY AMERICAN OPTION**

While all of the NLS Lighting products listed in this document qualify for the Buy America(n) Act of 1933, we reserve the right to change our listings without notice.

The information provided above is for general informational purposes only. We encourage you to consult legal professionals for advice particular to your projects concerning BAA, TAA, BABA or Buy America.

Additional NLS Products that meet BAA, TAA standards can be found at the following link:

https://nlslighting.com/buy-american/



The information and specifications on this document are subject to change without any notification. All values are design, nominal, typical or prorated values when measured under internal and external laboratory conditions.



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LUMENS									
PART NUMBER	T2	LM/W	Т3	LM/W	Т4	LM/W	WATTS		
NV-W-16L-40-27K7	2561	122	2591	123	2561	122	21		
NV-W-16L-40-27K8	2398	114	2426	116	2398	114	21		
NV-W-16L-40-30K8	2571	122	2601	124	2571	122	21		
NV-W-16L-40-30K7	2769	132	2801	133	2769	132	21		
NV-W-16L-40-35K8	2571	122	2601	124	2571	122	21		
NV-W-16L-40-40K8	2769	132	2801	133	2769	132	21		
NV-W-16L-40-40K7	2992	142	3027	144	2992	142	21		
NV-W-16L-40-50K8	2769	132	2801	133	2769	132	21		
NV-W-16L-40-50K7	2992	142	3027	144	2992	142	21		
NV-W-16L-53-30K7	3544	122	3579	123	3544	122	29		
NV-W-16L-53-40K7	3756	130	3794	131	3756	130	29		
NV-W-16L-53-50K7	3756	130	3794	131	3756	130	29		
NV-W-16L-7-30K7	4388	119	4432	120	4388	119	37		
NV-W-16L-7-40K7	4651	126	4698	127	4651	126	37		
NV-W-16L-7-50K7	4651	126	4698	127	4651	126	37		
NV-W-16L-1-30K7	5970	107	6029	108	5970	107	56		
NV-W-16L-1-40K7	6328	113	6391	114	6328	113	56		
NV-W-16L-1-50K7	6328	113	6391	114	6328	113	56		
NV-W-32L-53-30K7	Х	Х	Х	Х	6,821	126	54		
NV-W-32L-7-30K7	9010	127	9100	128	9010	127	71		
NV-W-32L-7-40K7	9550	135	9646	136	9550	135	71		
NV-W-32L-7-50K7	9550	135	9646	136	9550	135	71		
NV-W-32L-1A-30K7	10871	109	10983	110	10871	109	100		
NV-W-32L-1A-40K7	11426	114	11544	115	11426	114	100		
NV-W-32L-1A-50K7	11426	114	11544	115	11426	114	100		
	3000K or lower	, with fixed mounting op	tions only, must be sele	cted to meet Internation	nal Dark-Sky Association	certification.			

	EMERGENCY BATTERY BACK-UP LUMENS										
PART NUMBER	T2	LM/W	тз	LM/W	T4	LM/W	WATTS				
EM4-30K7	520	130	524	131	516	129	4				
EM4-40K7	544	136	548	137	540	135	4				
EM4-50K7	560	140	564	141	556	139	4				
EM8-30K7	1040	130	1048	131	1032	129	8				
EM8-40K7	1088	136	1096	137	1080	135	8				
EM8-50K7	1120	140	1128	141	1112	139	8				
EM14-30K7	2080	130	2096	131	2064	129	16				
EM14-40K7	2176	136	2192	137	2160	135	16				
EM14-50K7	2240	140	2256	141	2224	139	16				
EMCP-30K7	1820	130	1834	131	1806	129	14				
EMCP-40K7	1904	136	1918	137	1890	135	14				
EMCP-50K7	1960	140	1974	141	1946	139	14				



PART NUMBER	T2	Т3	T4	WATTS
NV-W-16L-35-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	21
NV-W-16L-35-40K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	21
NV-W-16L-35-50K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	21
NV-W-16L-53-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	29
NV-W-16L-53-40K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	29
NV-W-16L-53-50K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	29
NV-W-16L-7-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	37
NV-W-16L-7-40K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	37
NV-W-16L-7-50K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	37
NV-W-16L-1-30K7	B1-U0-G1	B1-U0-G2	B1-U0-G2	56
NV-W-16L-1-40K7	B1-U0-G1	B1-U0-G2	B1-U0-G2	56
NV-W-16L-1-50K7	B1-U0-G1	B1-U0-G2	B1-U0-G2	56
NV-W-32L-7-30K7	B1-U0-G2	B2-U0-G2	B2-U0-G2	71
NV-W-32L-7-40K7	B1-U0-G2	B2-U0-G2	B2-U0-G2	71
NV-W-32L-7-50K7	B1-U0-G2	B2-U0-G2	B2-U0-G2	71
NV-W-32L-1A-30K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	100
NV-W-32L-1A-40K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	100
NV-W-32L-1A-50K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	100

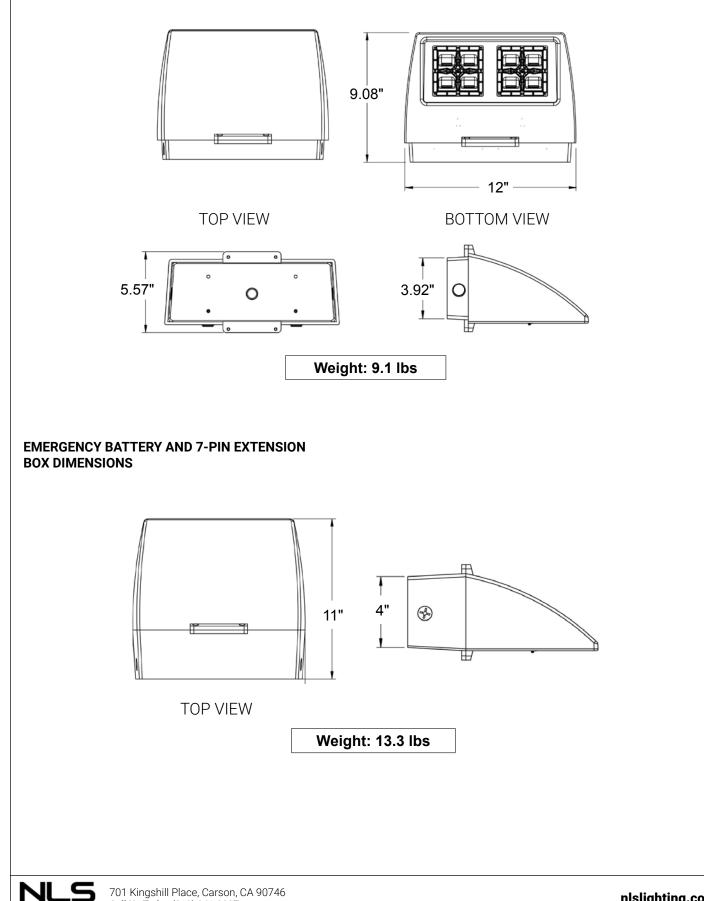
	Lumen Maintenance Data										
Ambient Temperature	Drive Current	L90 Hours*	L70 Hours**	30,000 Hours*	50,000 Hours*	60,00 Hours*	100,000 Hours**				
25°C	Up to 700mA	58,000	173,000	95.7%	91.6%	89.6%	82.1%				
	1050mA	48,000	143,000	94.3%	89.5%	87.2%	78.5%				
*	*Reported extrapolations per IESNA TM-21 **Projected extrapolations per IESNA TM-21										

## LED KELVIN RANGE



Color	Dominant or Peak Wavelength Range(nm)	
	Minimum	Maximum
Amber	585	600



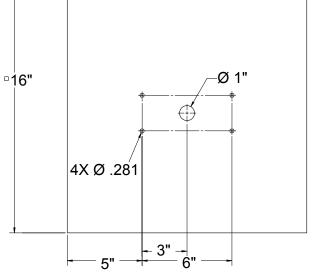


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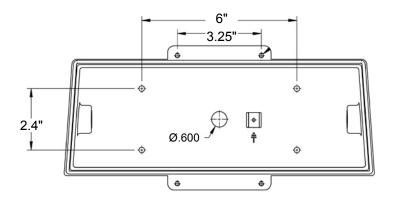
LIGHTING





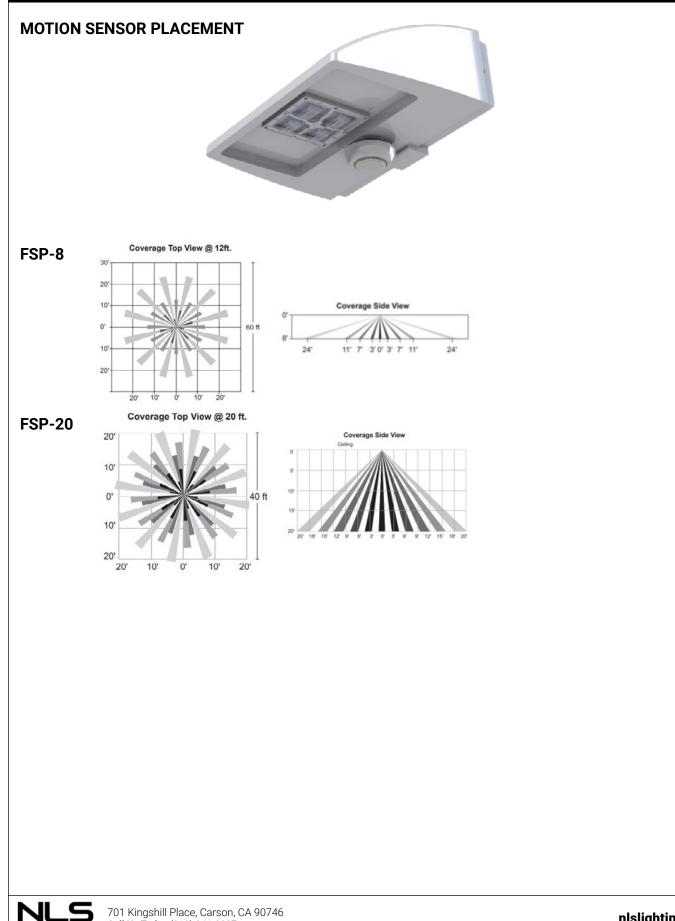


MOUNTING HOLE



* 3 Conduit access points on either side or center back.





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