

SITE PLAN SIGNATURE BLOCK:

APPROVED:
I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall on the _____ day of _____, _____.

WITNESS OUR HANDS, this _____ day of _____, _____.

Planning & Zoning Commission, Chairman Director of Planning and Zoning

LAKEPOINTE RING ROAD

CITY OF ROCKWALL, TEXAS - ROCKWALL COUNTY

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● PROVIDED
● NOT PROVIDED (IN PROGRESS)
● PROVIDED IN PREVIOUS SETS

OWNER

LAKEPOINTE CHURCH
ROCKWALL CAMPUS
701 E INTERSTATE 30
ROCKWALL, TEXAS 75087
CONTACT: JOHN WARDELL
JOHN.WARDELL@LAKEPOINTE.CHURCH

"RECORD DRAWINGS"
These drawings have been revised to show those changes during the construction process reported by the contractor to Kimley-Horn and Associates, inc. and considered to be significant. These drawings are not guaranteed to be "As-Built", but are based on the information available.

10/21/2025 MATT LUCAS, P.E.

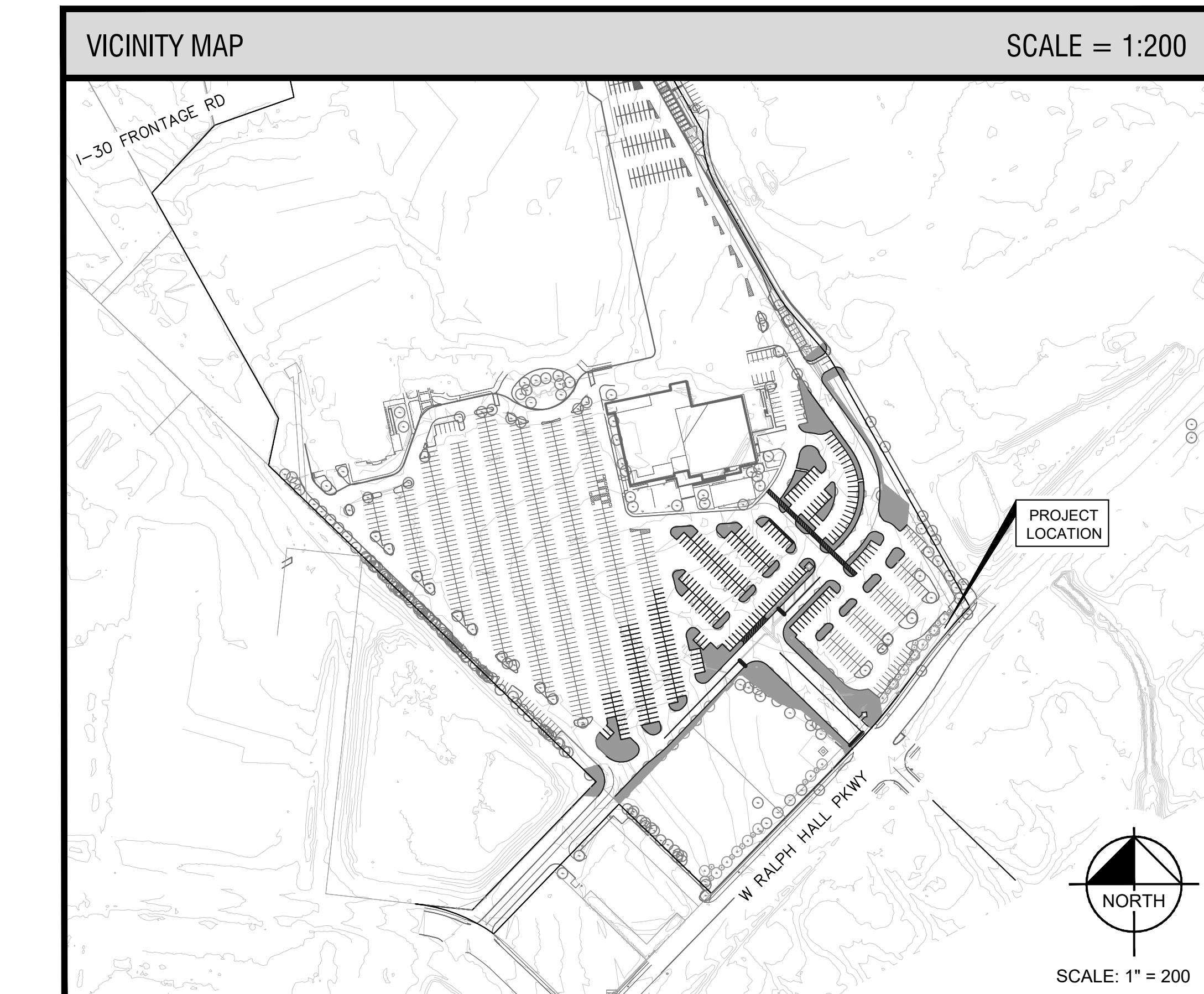
DATE: _____ BY: _____

CIVIL ENGINEER

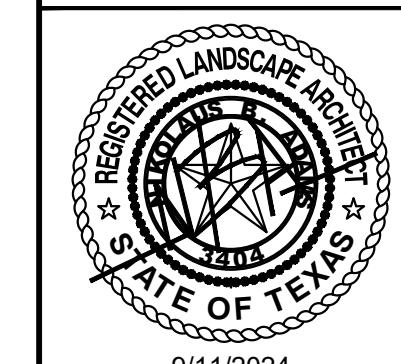
Kimley»Horn
203 W NASH ST. SUITE 100
TERRELL, TEXAS 75160
PHONE: 972-770-1300
CONTACT: MATTHEW A. LUCAS, P.E.



Know what's below.
Call before you dig.



Kimley»Horn



KHA PROJECT
06-608805
DATE
9/11/2024
SCALE: AS SHOWN
DESIGNED BY: CLW
DRAWN BY: CLW
CHECKED BY: NEA

**LAKEPOINTE RING
ROAD**
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

SHEET NUMBER
LC 0.00

CASE NUMBER: MIS2024-018

"RECORD DRAWINGS"
To the best of our knowledge Kimley-Horn, hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.

12/18/2025 NIK ADAMS, P.L.A.
DATE: BY:

REVISIONS	BY
No.	DATE
1	

CITY OF ROCKWALL LANDSCAPE CODE REQUIREMENTS				
SITE:	Commerical (C) District			
	217,936 SF (5.003 AC) (DISTURBED AREA ONLY)			
AMOUNT OF LANDSCAPING		REQUIRED	PROVIDE	
20% OF THE TOTAL SITE AREA TO BE DEVELOPED SHALL BE LANDSCAPING		43,587 SF	81,209 SF	
217,936 SF * 0.2 = 43,587 SF				
LOCATION OF LANDSCAPING		REQUIRED	PROVIDE	
A MINIMUM OF 50% OF THE REQUIRED LANDSCAPING SHALL BE IN FRONT OF AND ALONG THE SIDE OF THE BUILDING		21,794 SF	81,209 SF	
45,587 SF * 0.5 = 21,794 SF				
PARKING LOT LANDSCAPING		REQUIRED	PROVIDE	
MINIMUM OF 5% SQUARE FEET OF LANDSCAPING SHALL BE INTERIOR TO THE PARKING LOT		10,897 SF	81,209 SF	
217,936 SF * 0.05 = 10,897 SF				
ONE CANOPY TREE PER EVERY TEN PARKING SPACES SHALL BE PLANTED INTERNALLY TO THE PARKING LOT		REQUIRED	PROVIDE	
276 PARKING SPACES / 10 = 28 TREES		28 TREES	55 TREES	
NO PARKING SPACE MAY BE MORE THAN 80 FEET FROM THE TRUNK OF A CANOPY TREE*		REQUIRED	PROVIDE	
*EXISTING SITE DOES NOT CURRENTLY MEET REQUIREMENT		YES	NO	
RALPH HALL PKWY FRONTAGE LANDSCAPING		REQUIRED	PROVIDE	
1 ORNAMENTAL AND 1 CANOPY FOR EVERY 50 LF OF ROAD FRONTAGE		15 OF EACH	15 OF EA	
727 LF / 50 = 15 TREES				

Without written authority, no changes shall be made to the plans or specifications. Any changes must be made in accordance with the procedures outlined in the General Conditions of Contract.

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

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

PLANT SCHEDULE

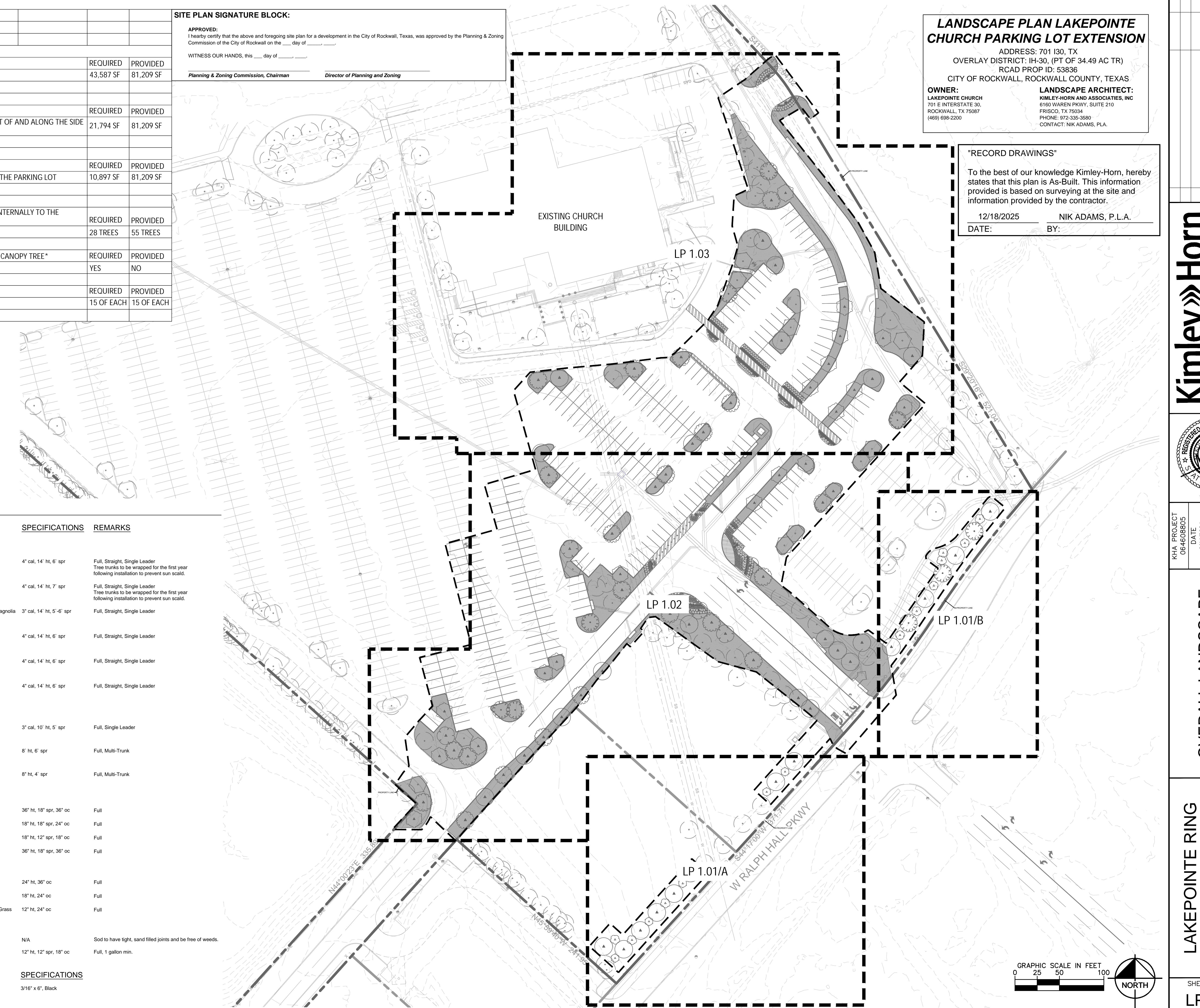
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	SPECIFICATIONS	REMARKS
TREES					
	AG	22	Acer rubrum 'October Glory' TM / October Glory Maple	4" cal, 14` ht, 6` spr	Full, Straight, Single Leader Tree trunks to be wrapped for following installation to prevent
	AC	20	Acer saccharum caddo / Caddo Sugar Maple	4" cal, 14` ht, 7` spr	Full, Straight, Single Leader Tree trunks to be wrapped for following installation to prevent
	ML	11	Magnolia grandiflora 'Little Gem' / Little Gem Dwarf Southern Magnolia	3" cal, 14` ht, 5`-6` spr	Full, Straight, Single Leader
	QR	32	Quercus virginiana 'High Rise' / High Rise Live Oak	4" cal, 14` ht, 6` spr	Full, Straight, Single Leader
	UC	5	Ulmus crassifolia / Cedar Elm	4" cal, 14` ht, 6` spr	Full, Straight, Single Leader
	UH	9	Ulmus x 'Homestead' / Homestead Elm	4" cal, 14` ht, 6` spr	Full, Straight, Single Leader
ORNAMENTAL TREE					
	CT	7	Cercis canadensis / Eastern Redbud	3" cal, 10` ht, 5` spr	Full, Single Leader
	CH	5	Chilopsis linearis / Desert Willow	8` ht, 6` spr	Full, Multi-Trunk
	IM	3	Ilex vomitoria / Yaupon Holly	8" ht, 4` spr	Full, Multi-Trunk
SHRUBS					
	RRO	49	Cistus creticus / Pink Rockrose	36" ht, 18" spr, 36" oc	Full
	ROS	104	Rosmarinus officinalis / Rosemary	18" ht, 18" spr, 24" oc	Full
	SGA	134	Salvia greggii / Autumn Sage	18" ht, 12" spr, 18" oc	Full
	SB	10	Spiraea prunifolia 'Bridalwreath' / Bridal Wreath Spirea	36" ht, 18" spr, 36" oc	Full
GRASSES					
	MUB	173	Muhlenbergia lindheimeri / Lindheimeri Muhly	24" ht, 36" oc	Full
	NAS	53	Nassella tenuissima / Mexican Feather Grass	18" ht, 24" oc	Full
	PEH	307	Pennisetum alopecuroides 'Hameln' / Hameln Dwarf Fountain Grass	12" ht, 24" oc	Full
GROUND COVERS					
	SOD	47,735 sf	Cynodon dactylon / TifTuf Bermuda Grass	N/A	Sod to have tight, sand filled jo
	LIR	205	Liriope muscari / Liriope	12" ht, 12" spr, 18" oc	Full, 1 gallon min.
MISC					
CODE			BOTANICAL/COMMON	SPECIFICATIONS	
			Steel Edging	3/16" x 6", Black	
			Shredded Hardwood Mulch	3" depth. All trees in sod to receive a 4' dia. mulch ring	

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WITNESS OUR HANDS, this ____ day of ____, ____.

Planning & Zoning Commission, Chairman Director of Planning and Zoning



LANDSCAPE PLAN LAKEPOINTE CHURCH PARKING LOT EXTENSION

ADDRESS: 701 I30, TX
OVERLAY DISTRICT: IH-30, (PT OF 34.49 AC TR)
RCAD PROP ID: 53836
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

LANDSCAPE ARCHITECT:
MLEY-HORN AND ASSOCIATES, INC
60 WAREN PKWY, SUITE 210
ISCO, TX 75034
ONE: 972-335-3580
ONTACT: NIK ADAMS, PLA

"RECORD DRAWINGS"

To the best of our knowledge Kimley-Horn, hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.

12/18/2025 NIK ADAMS, P.L.A.
DATE: BY:

The logo for Kimley-Horn features the word "Kimley" in a large, bold, black sans-serif font, with the "K" having three diagonal strokes. To the right of "Kimley" is a vertical "Horn" in a smaller, bold, black sans-serif font. To the right of the logo is the company's contact information: "© 2024 KIMLEY-HORN AND ASSOCIATES, INC.", "WARREN PARKWAY, SUITE 210, FORT WORTH, TX 76134", "PHONE: 817-335-3580", "WWW.KIMLEY-HORN.COM", and "TEXAS REGISTERED ENGINEERING FIRM F-928".

OVERALL LANDSCAPE PLAN

**AKEPOINTE RING
ROAD
CITY OF ROCKWALL**

SHEET NUMBER
LP 1.00

Plotted By: Von Borstel, Sarra Date: September 11, 2024 10:14:38am File Path: K:\DAL_Civil\064608805-Lakepointe Ring Road\CAD\Phase 1\Landscape\Plan Sheets\LP 1.01.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and imprudent reliance on this document without written authorization and adaptation by Kimlev-Horn and Associates, Inc. shall be without liability to Kimlev-Horn and Associates, Inc.

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Planning & Zoning Commission, Chairman _____ Director of Planning and Zoning _____

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12/18/2025 NIK ADAMS, P.L.A.
DATE: BY:

REVISIONS	DATE	BY
No.		

SYMBOL CODE COMMON NAME

TREES		
AC	Caddo Sugar Maple	
UC	Cedar Elm	
QR	High Rise Live Oak	
UH	Homestead Elm	
ML	Little Gem Dwarf Southern Magnolia	
AG	October Glory Maple	

ORNAMENTAL TREE

CH	Desert Willow
CT	Eastern Redbud
IM	Yaupon Holly

SHRUBS

SGA	Autumn Sage
SB	Bridal Wreath Spirea
RRO	Pink Rockrose

GRASSES

PEH	Hamelin Dwarf Fountain Grass
MUB	Lindheimeri Muhy
NAS	Mexican Feather Grass

GROUND COVERS

LIR	Liriope
SOD	TifTuf Bermuda Grass

MISC

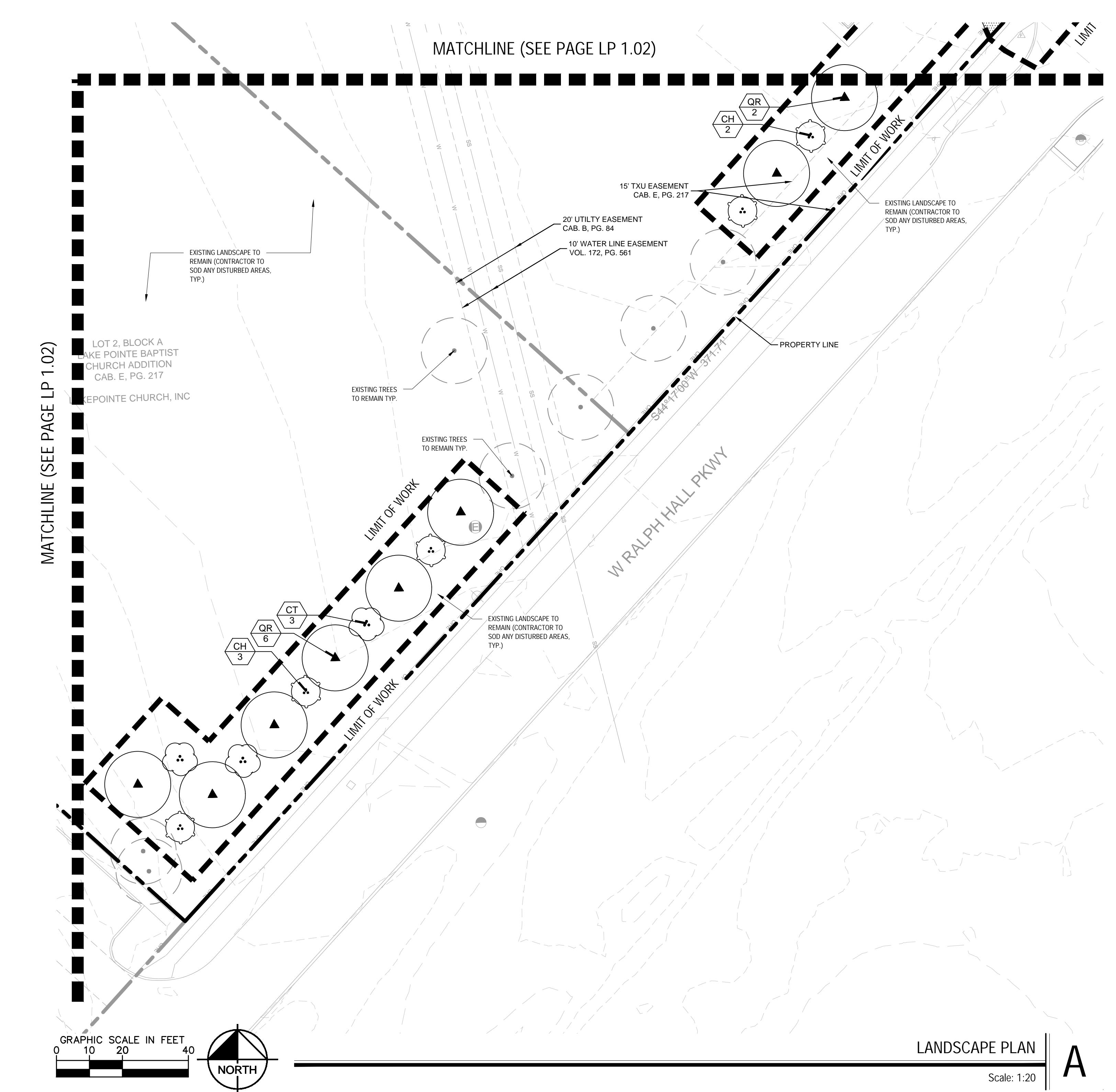
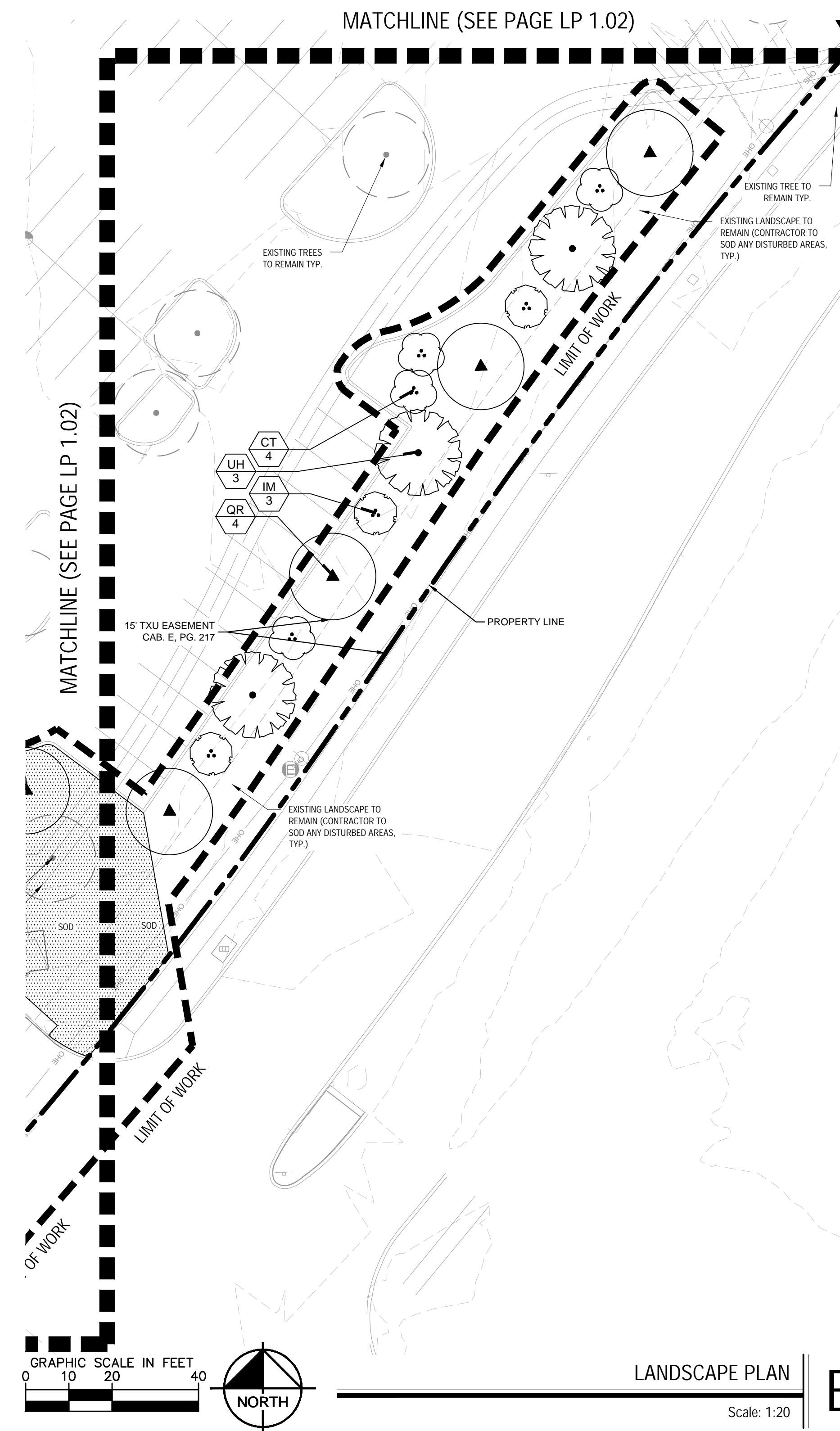
STEEL EDGING	Steel Edging
MULCH	Shredded Hardwood Mulch

Existing Tree to Remain

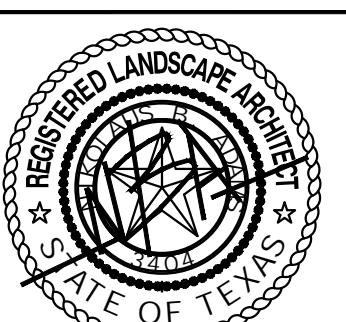
○	Existing Tree to Remain
---	-------------------------

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Kimley»Horn



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WWW.KIMLEY-HORN.COM
TEXAS REGISTERED ENGINEERING FIRM F-928

LANDSCAPE PLAN

LAKEPOINTE RING ROAD

CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

SHEET NUMBER

LP 1.01

CASE NUMBER: MIS2024-018

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Planning & Zoning Commission, Chairman Director of Planning and Zoning

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Plotted By: Von Borstel, Sora Date: September 11, 2024 10:14:45am File Path: K:\DAL\Civil\064608805\Landscaping Ring Road\CAD\Phase 1\Landscaping Plan Sheets\LP 1.01.dwg

SYMBOL	CODE	COMMON NAME
TREES		
AC		Caddo Sugar Maple
UC		Cedar Elm
QR		High Rise Live Oak
UH		Homestead Elm
ML		Little Gem Dwarf Southern Magnolia
AG		October Glory Maple
ORNAMENTAL TREE		
CH		Desert Willow
CT		Eastern Redbud
IM		Yaupon Holly
SHRUBS		
SGA		Autumn Sage
SB		Bridal Wreath Spirea
RRO		Pink Rockrose
ROS		Rosemary
GRASSES		
PEH		Hamelin Dwarf Fountain Grass
MUB		Lindheimeri Muhly
NAS		Mexican Feather Grass
GROUND COVERS		
LIR		Liriope
SOD		TifTuf Bermuda Grass
MISC		
STEEL EDGING		Steel Edging
MULCH		Shredded Hardwood Mulch
Existing Tree to Remain		

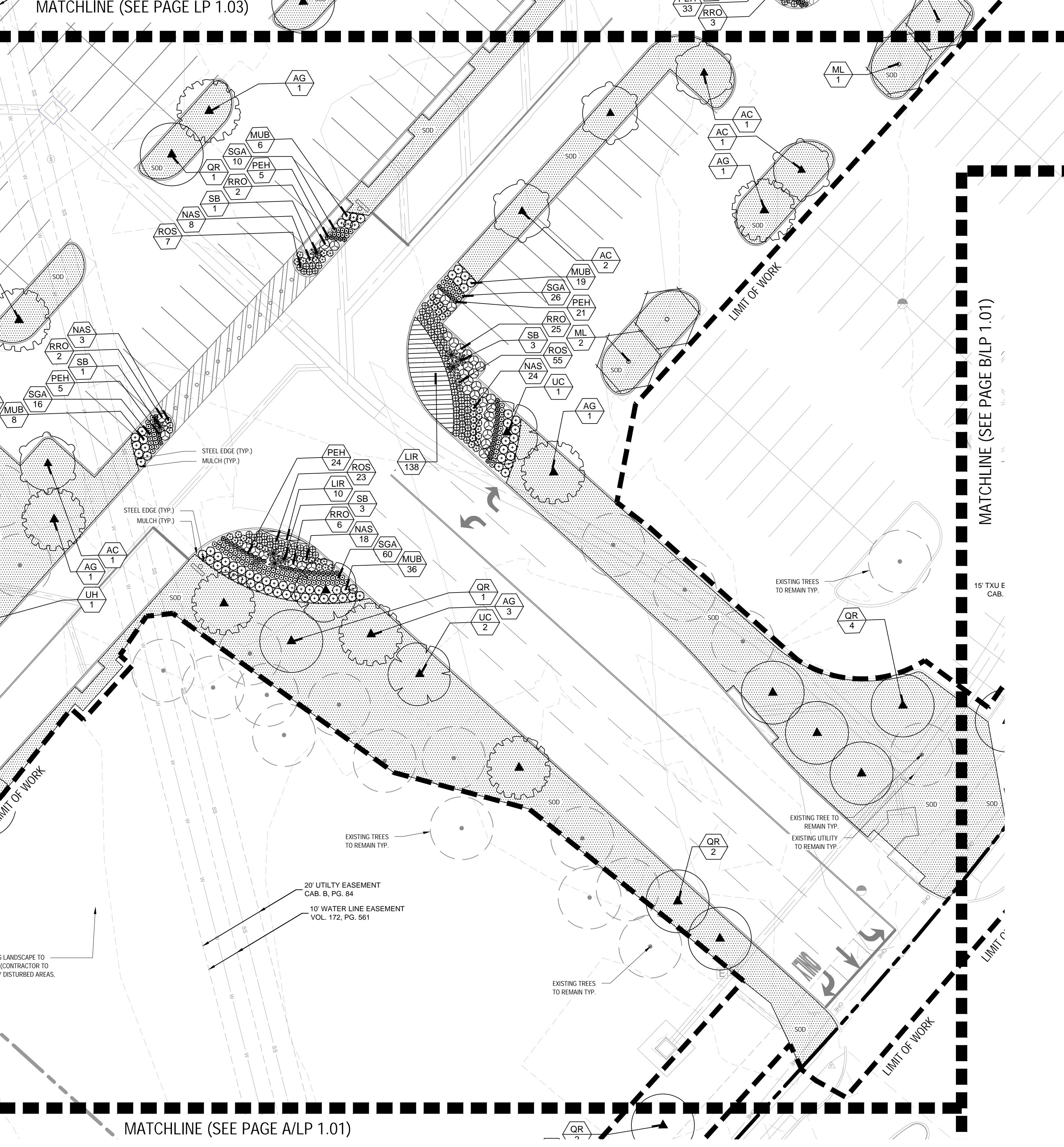
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MATCHLINE (SEE PAGE LP 1.03)

MATCHLINE (SEE PAGE A/LP 1.01)

MATCHLINE (SEE PAGE B/LP 1.01)



LAKEPOINTE RING ROAD LANDSCAPE PLAN

CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

Kimley»Horn



REGISTERED LANDSCAPE ARCHITECTS
STATE OF TEXAS

9/11/2024

© 2024 KIMLEY-HORN AND ASSOCIATES, INC.

6160 WARREN PARKWAY, SUITE 210, FRISCO, TX 75034

PHONE: 972-335-3580

WWW.KIMLEY-HORN.COM

TEXAS REGISTERED ENGINEERING FIRM F-928

15' TXU E CAB.

EXISTING TREES TO REMAIN TYP.

EXISTING UTILITY TO REMAIN TYP.

EXISTING LANDSCAPE TO REMAIN (CONTRACTOR TO SOD ANY DISTURBED AREAS, TYP.)

REPLACE ANY IMPACTED EXISTING SOD BEYOND L.O.W.

PROPERTY LINE

LO

LAKE I

CHU

CP

RECORD DRAWINGS

To the best of our knowledge Kimley-Horn, hereby

states that this plan is As-Built. This information

provided is based on surveying at the site and

information provided by the contractor.

12/18/2025 NIK ADAMS, P.L.A.

DATE:

BY:

SHEET NUMBER

LP 1.02

CASE NUMBER: MIS2024-018

SITE PLAN SIGNATURE BLOCK:

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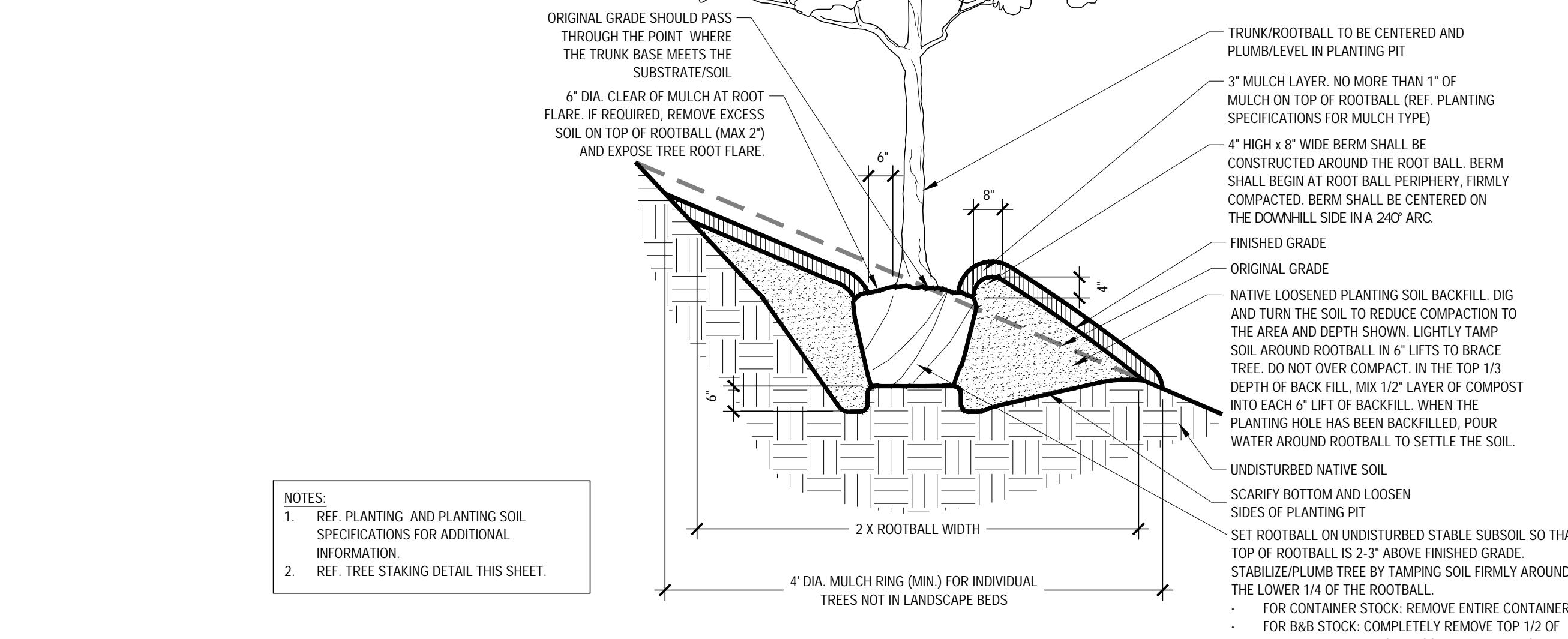
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Planning & Zoning Commission, Chairman Director of Planning and Zoning

"RECORD DRAWINGS"

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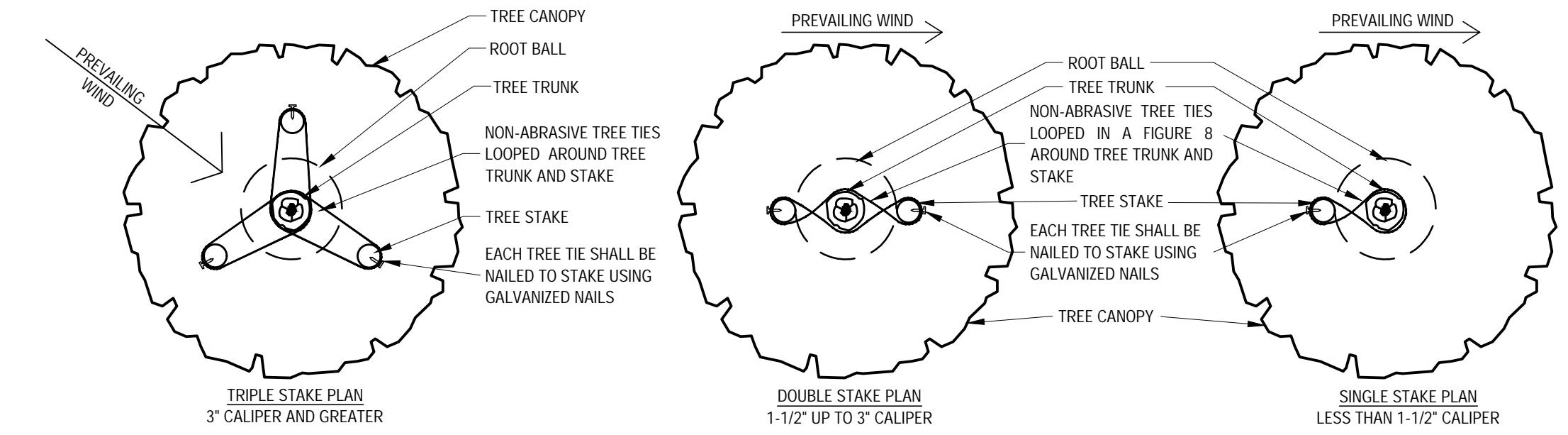
12/18/2025 NIK ADAMS, P.L.A.
DATE: BY:



Tree Planting On 5-25% Slopes (20:1 to 4:1 Slopes)

Scale: NTS

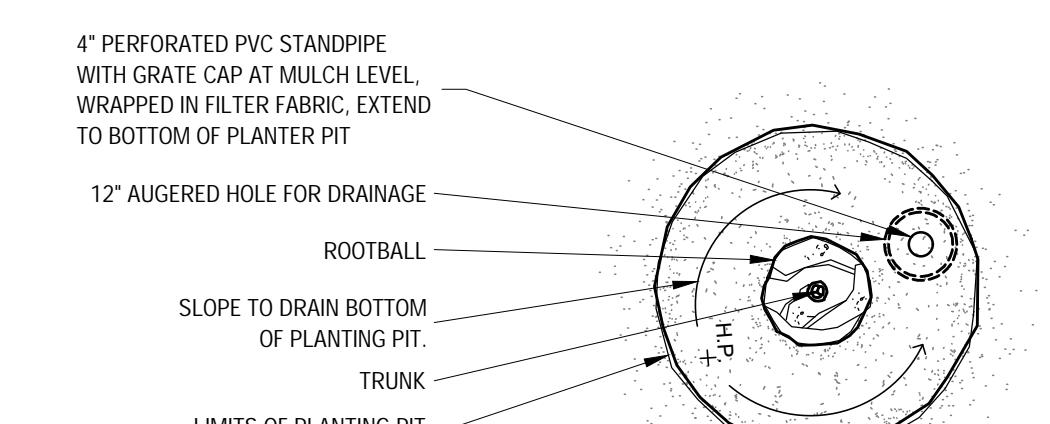
D



Typical Tree Staking

Scale: NTS

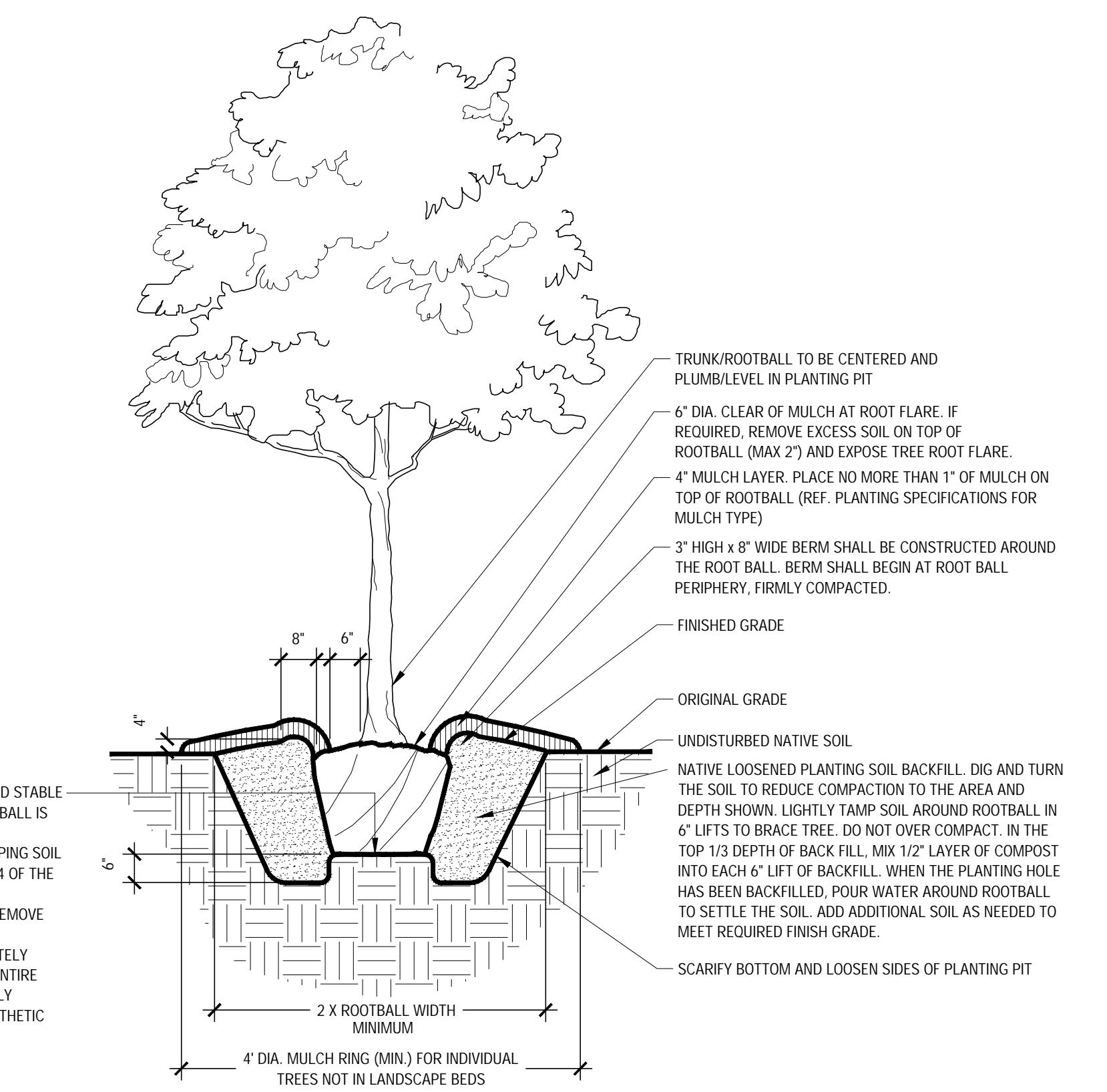
B



Tree Planting (Poor Drainage Condition)

Scale: NTS

C



Typical Tree Planting (Up to 3" caliper)

Scale: NTS

A

LAKEPOINTE RING ROAD **LANDSCAPE DETAILS**
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

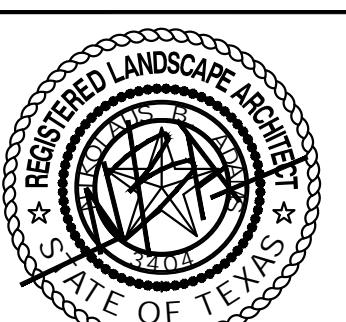
Kimley»Horn

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PHONE: 972-335-3580

WWW.KIMLEY-HORN.COM

TEXAS REGISTERED ENGINEERING FIRM F-928



9/11/2024

KHA PROJECT
06-608805
DATE
9/11/2024
SCALE: AS SHOWN
DESIGNED BY: CLW
DRAWN BY: CLW
CHECKED BY: NEA

SHEET NUMBER
LP 3.01
CASE NUMBER: MIS2024-018

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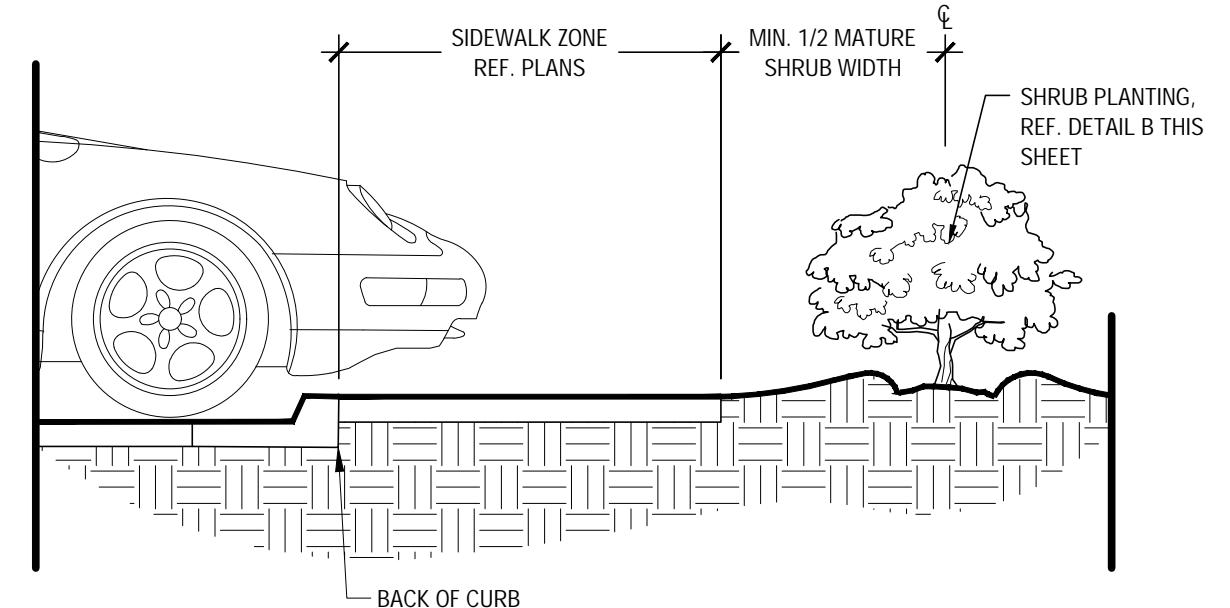
Planning & Zoning Commission, Chairman _____ Director of Planning and Zoning _____

"RECORD DRAWINGS"

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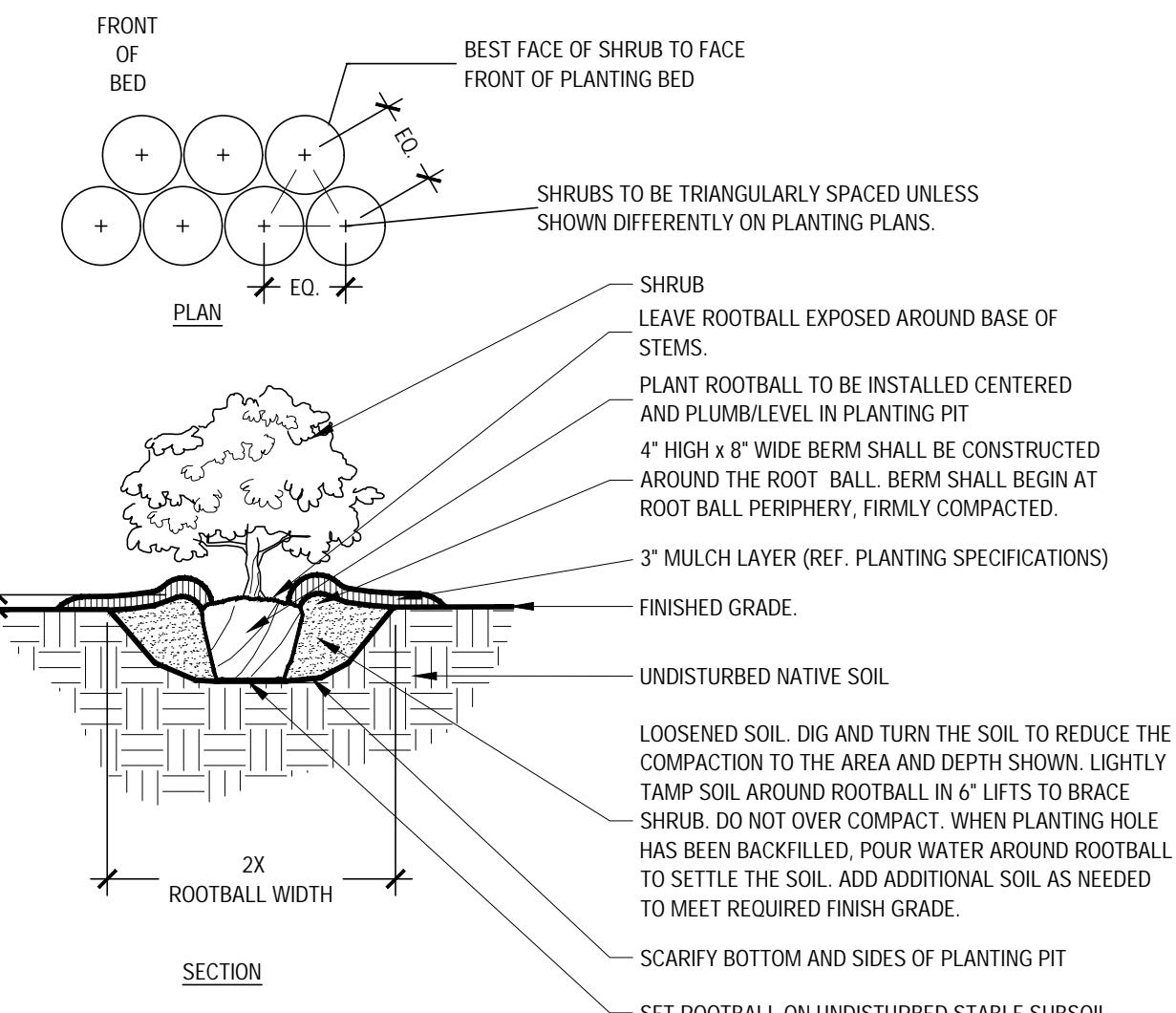
12/18/2025 NIK ADAMS, P.L.A.
DATE: BY:

NOTES:
1. REF. PLANTING AND PLANTING SOIL SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. REF. PLANTING SCHEDULE AND PLANTING PLANS FOR SPACING/ LAYOUT
3. WHEN SHRUBS ARE MASSED TOGETHER WITH GROUNDCOVER BEDS, ALL SOIL IN BED TO BE AMENDED. (REF. PLANTING SPECIFICATIONS)



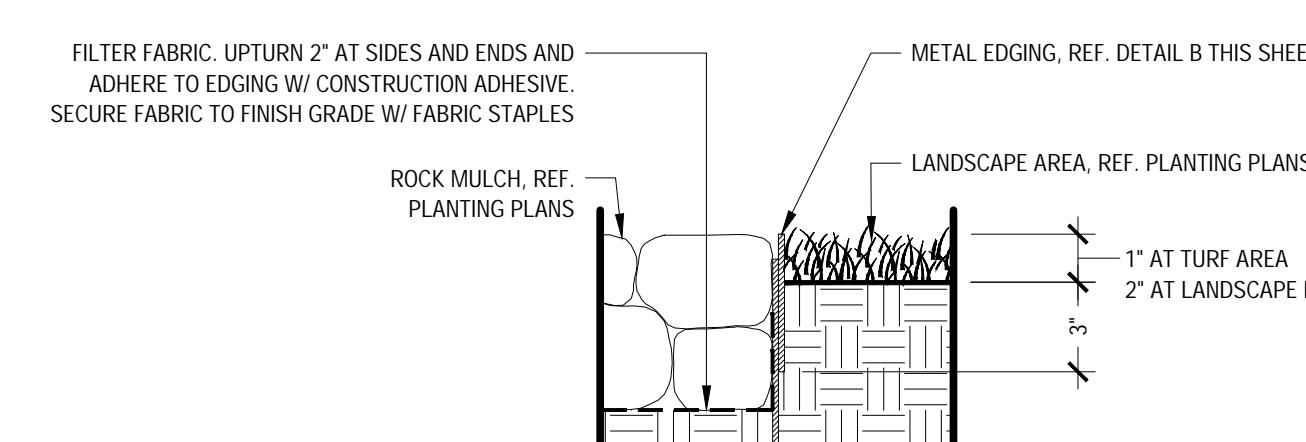
Shrub Planting at Sidewalk

Scale: NTS



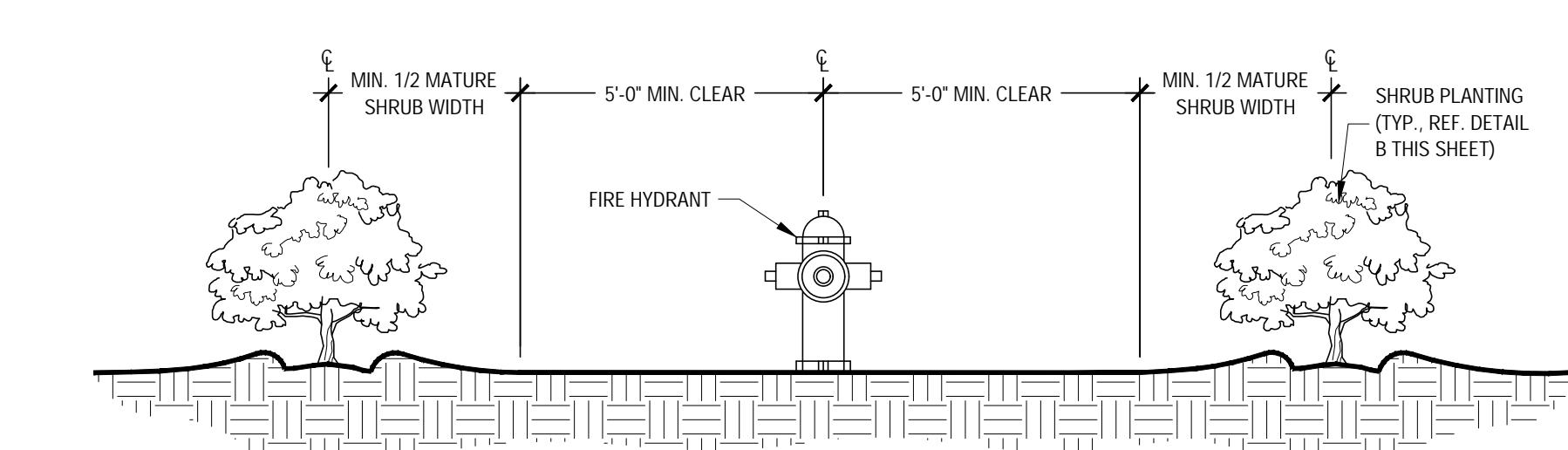
Kimley»Horn

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6100 WARREN PARKWAY, SUITE 210, FRISCO, TX 75034
PHONE: 972-335-3580
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TEXAS REGISTERED ENGINEERING FIRM F-928



METAL EDGING (AT ROCK COBBLE BED)

Scale: 1 1/2" = 1'-0"

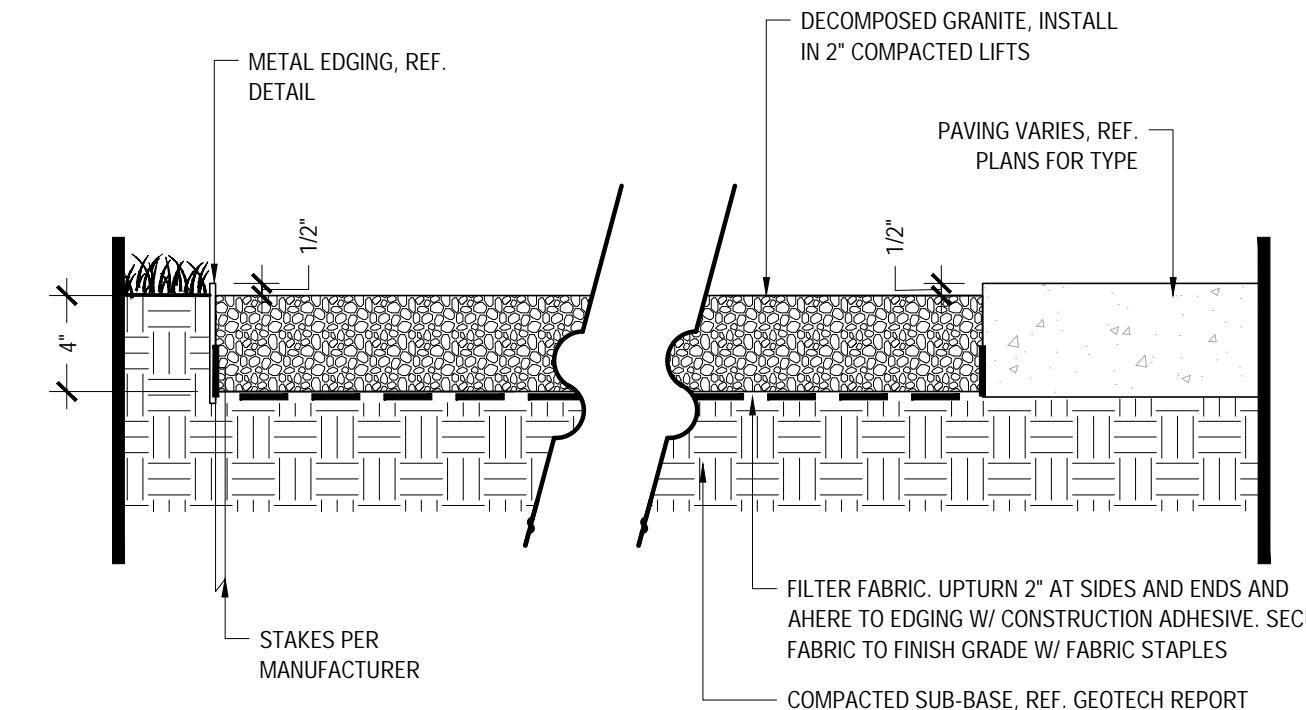


Shrub Planting at Fire Hydrant

Scale: NTS

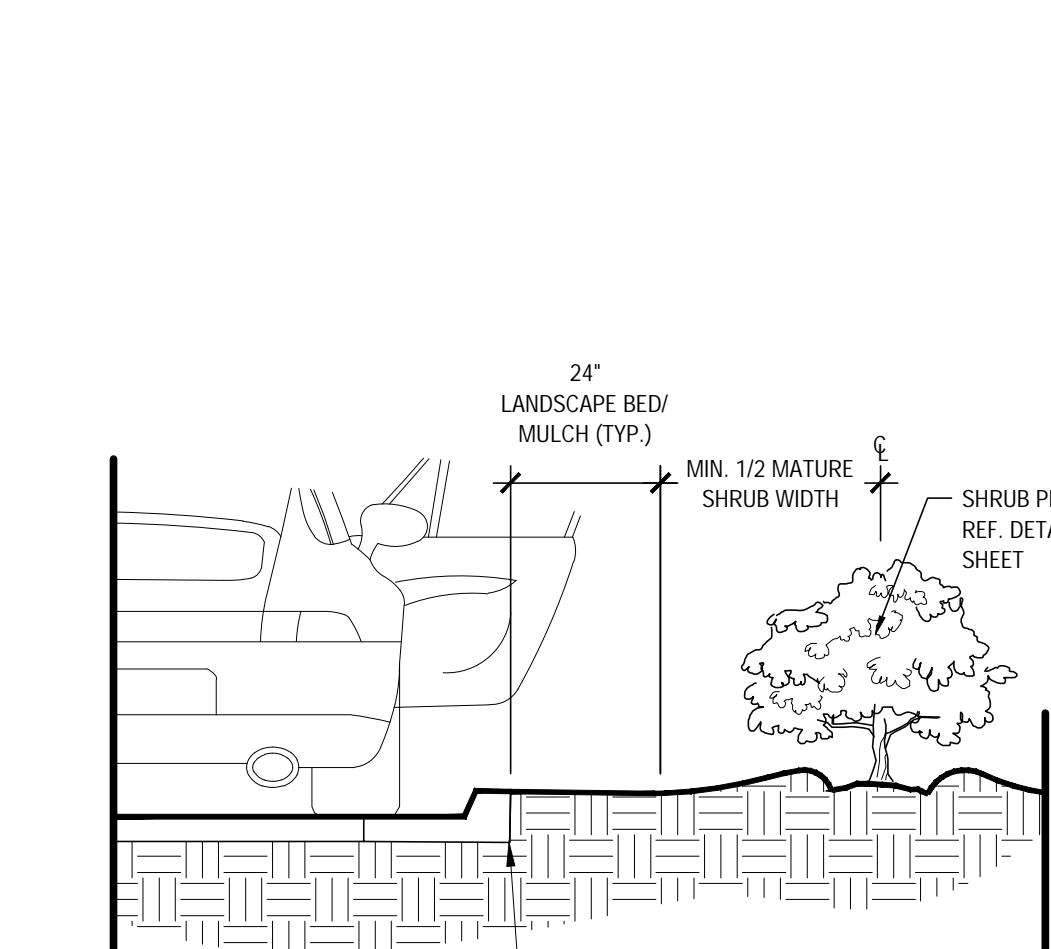
Typical Shrub Planting

Scale: NTS



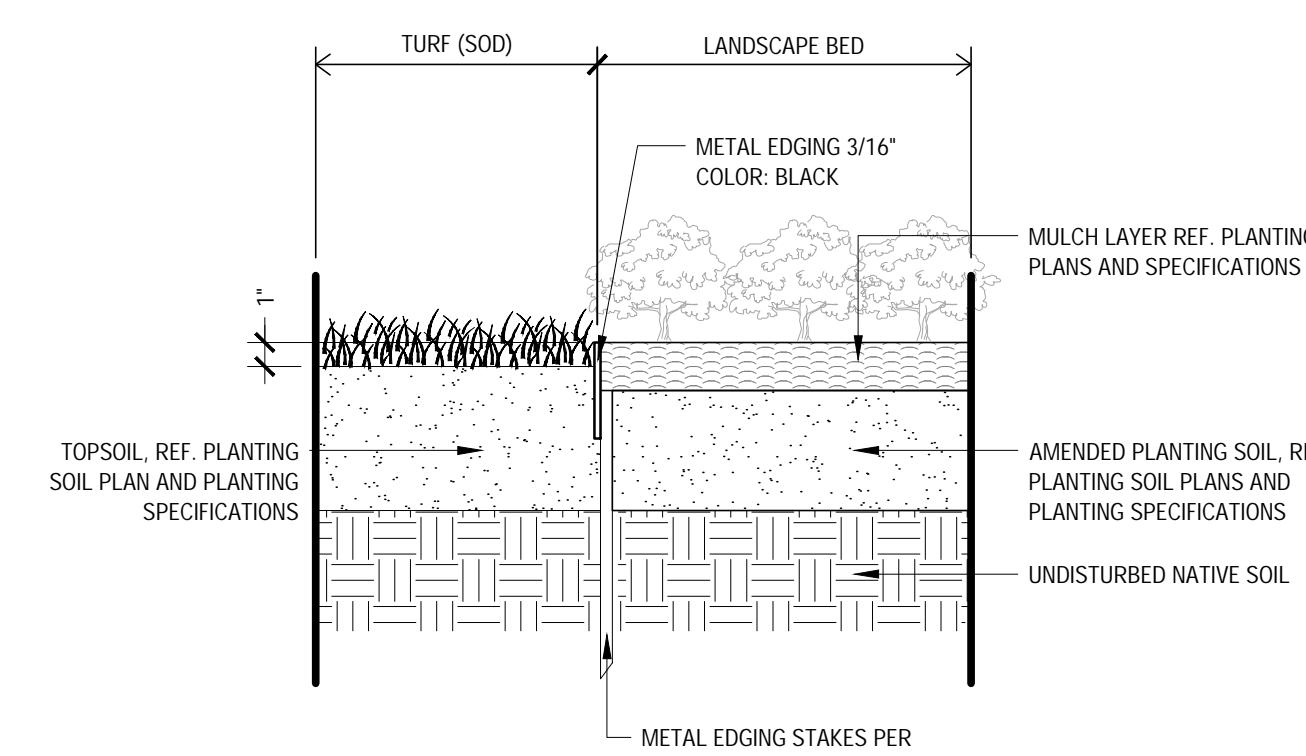
Decomposed Granite

Scale: 1 1/2" = 1'-0"



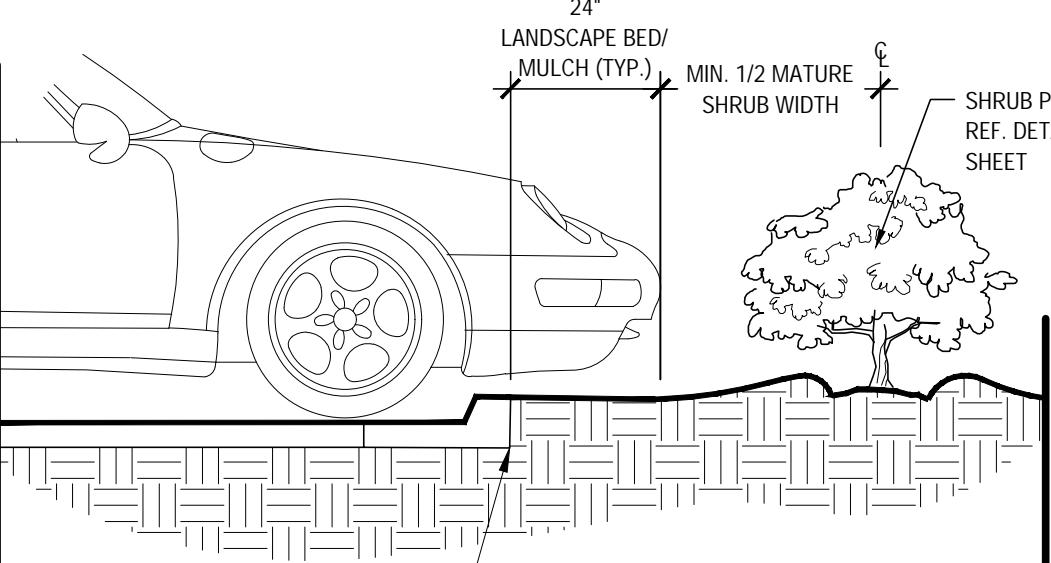
Shrub Planting at Building Edge

Scale: NTS



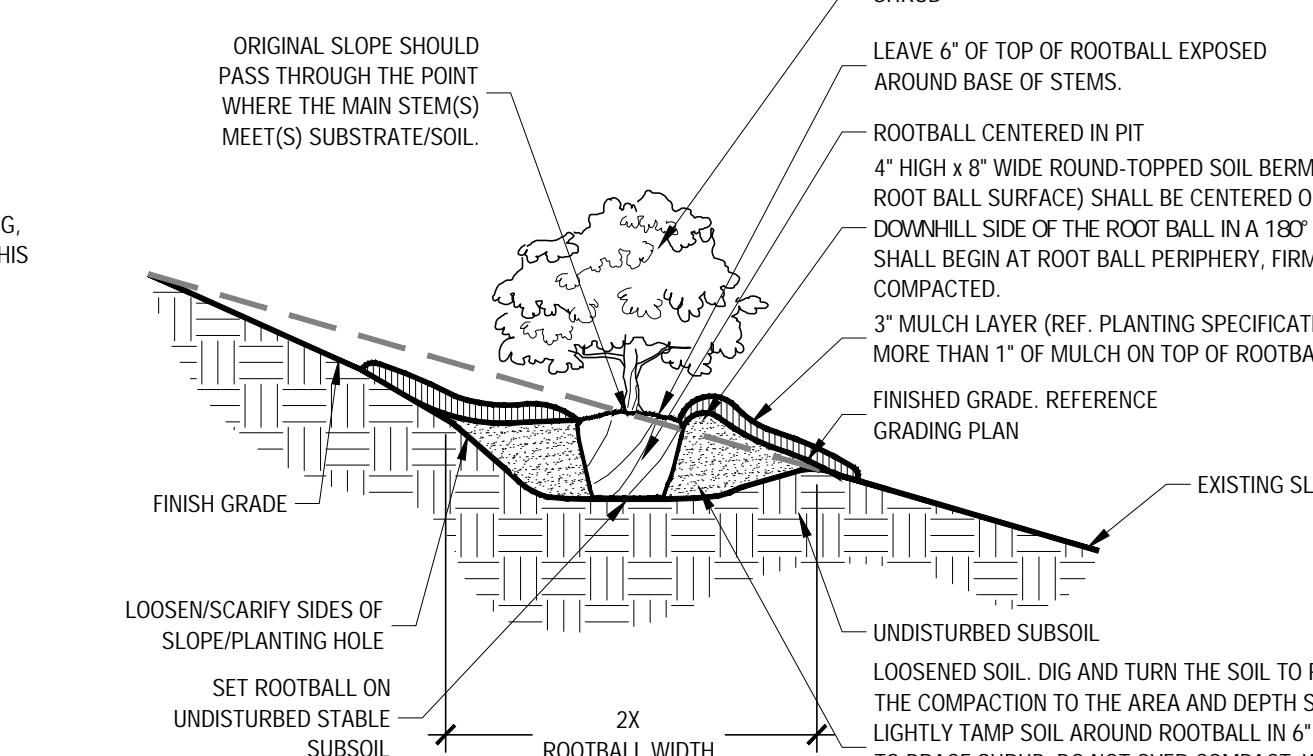
METAL EDGING (AT TURF & LANDSCAPE BED)

Scale: 1 1/2" = 1'-0"



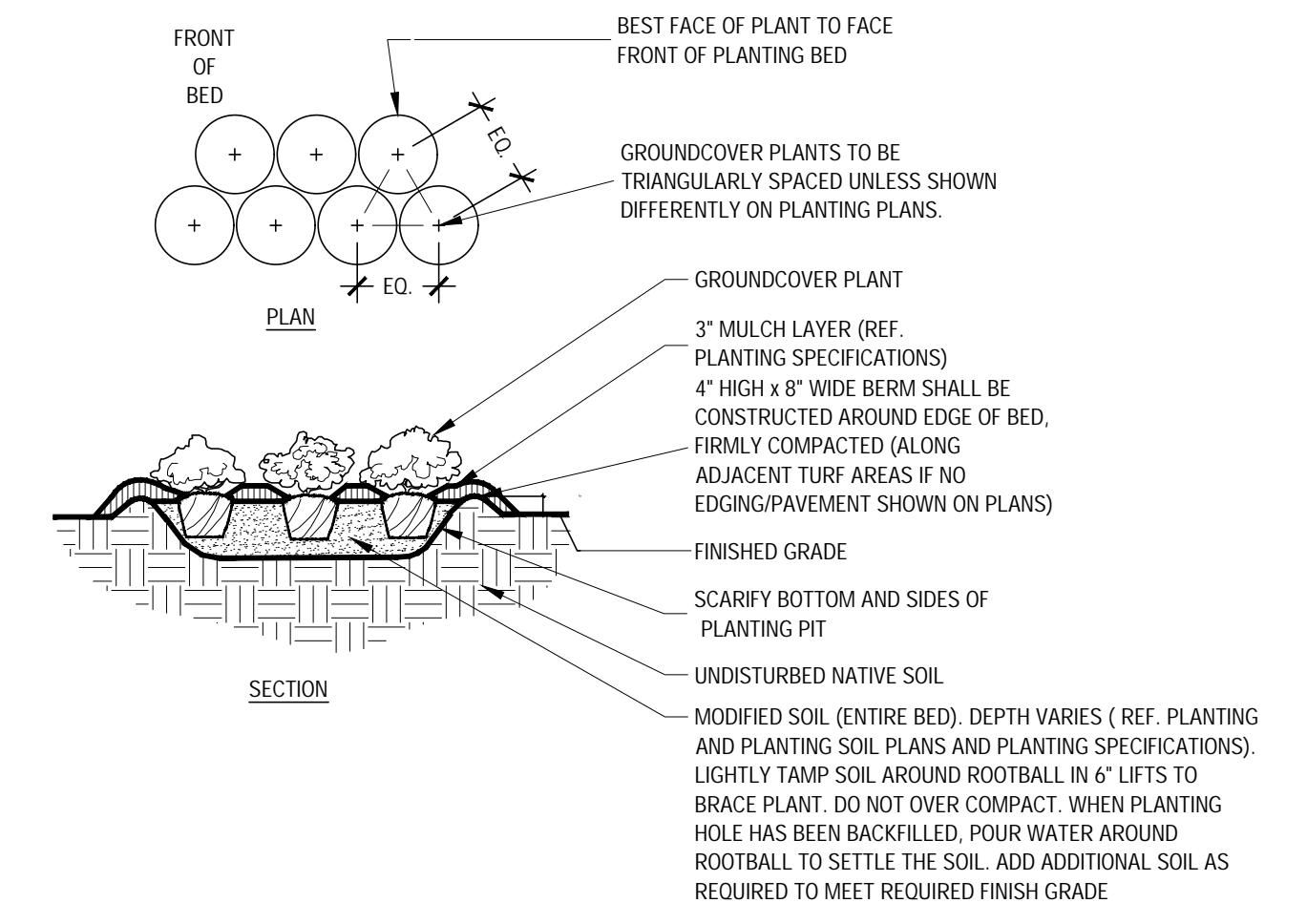
Shrub Planting at Curb

Scale: NTS



Shrub Planting On 5-50% (20:1 TO 2:1) Slope

Scale: NTS



Typical Groundcover Planting

Scale: NTS

LAKEPOINTE RING ROAD

CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

LANDSCAPE DETAILS

A
SHEET NUMBER
LP 3.02
CASE NUMBER: MIS2024-018

SITE PLAN SIGNATURE BLOCK:	
APPROVED: I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall on the ____ day of _____. _____. WITNESS OUR HANDS, this ____ day of _____. _____. Planning & Zoning Commission, Chairman Director of Planning and Zoning	

"RECORD DRAWINGS"	
To the best of our knowledge Kimley-Horn, hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor. 12/18/2025 NIK ADAMS, P.L.A. DATE: BY:	

PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	SPECIFICATIONS	REMARKS
TREES					
	AG	22	Acer rubrum 'October Glory' TM / October Glory Maple	4" cal, 14' ht, 6' spr	Full, Straight, Single Leader Tree trunks to be wrapped for the first year following installation to prevent sun scald.
	AC	20	Acer saccharum caddo / Caddo Sugar Maple	4" cal, 14' ht, 7' spr	Full, Straight, Single Leader Tree trunks to be wrapped for the first year following installation to prevent sun scald.
	ML	11	Magnolia grandiflora 'Little Gem' / Little Gem Dwarf Southern Magnolia	3" cal, 14' ht, 5'-6' spr	Full, Straight, Single Leader
	QR	32	Quercus virginiana 'High Rise' / High Rise Live Oak	4" cal, 14' ht, 6' spr	Full, Straight, Single Leader
	UC	5	Ulmus crassifolia / Cedar Elm	4" cal, 14' ht, 6' spr	Full, Straight, Single Leader
	UH	9	Ulmus x 'Homestead' / Homestead Elm	4" cal, 14' ht, 6' spr	Full, Straight, Single Leader
ORNAMENTAL TREE					
	CT	7	Cercis canadensis / Eastern Redbud	3" cal, 10' ht, 5' spr	Full, Single Leader
	CH	5	Chilopsis linearis / Desert Willow	8' ht, 6' spr	Full, Multi-Trunk
	IM	3	Ilex vomitoria / Yaupon Holly	8' ht, 4' spr	Full, Multi-Trunk
SHRUBS					
	RRO	49	Cistus creticus / Pink Rockrose	36" ht, 18" spr, 36" oc	Full
	ROS	104	Rosmarinus officinalis / Rosemary	18" ht, 18" spr, 24" oc	Full
	SGA	134	Salvia greggii / Autumn Sage	18" ht, 12" spr, 18" oc	Full
	SB	10	Spiraea prunifolia 'Bridalwreath' / Bridal Wreath Spirea	36" ht, 18" spr, 36" oc	Full
GRASSES					
	MUB	173	Muhlenbergia lindheimeri / Lindheimeri Muhly	24" ht, 36" oc	Full
	NAS	53	Nassella tenuissima / Mexican Feather Grass	18" ht, 24" oc	Full
	PEH	307	Pennisetum alopecuroides 'Hamel' / Hamel Dwarf Fountain Grass	12" ht, 24" oc	Full
GROUND COVERS					
	SOD	47,735 sf	Cynodon dactylon / TifTuf Bermuda Grass	N/A	Sod to have tight, sand filled joints and be free of weeds.
	LIR	205	Liriope muscari / Liriope	12" ht, 12" spr, 18" oc	Full, 1 gallon min.
MISC					
	CODE	QTY	BOTANICAL/COMMON	SPECIFICATIONS	
	STEEL EDGING	TBD	Steel Edging	3/16" x 6', Black	
	MULCH	TBD	Shredded Hardwood Mulch	3" depth. All trees in sod to receive a 4" dia. mulch ring	

CITY OF ROCKWALL LANDSCAPE CODE REQUIREMENTS			
SITE:	Commercial (C) District		
217,936 SF (5,003 AC) (DISTURBED AREA ONLY)			
AMOUNT OF LANDSCAPING			
20% OF THE TOTAL SITE AREA TO BE DEVELOPED SHALL BE LANDSCAPING	REQUIRED	PROVIDED	43,587 SF 81,209 SF
217,936 SF * 0.2 = 43,587 SF			
LOCATION OF LANDSCAPING			
A MINIMUM OF 50% OF THE REQUIRED LANDSCAPING SHALL BE IN FRONT OF AND ALONG THE SIDE OF THE BUILDING	REQUIRED	PROVIDED	21,794 SF 81,209 SF
45,587 SF * 0.5 = 21,794 SF			
PARKING LOT LANDSCAPING			
MINIMUM OF 5% SQUARE FEET OF LANDSCAPING SHALL BE INTERIOR TO THE PARKING LOT	REQUIRED	PROVIDED	10,897 SF 81,209 SF
217,936 SF * 0.05 = 10,897 SF			
ONE CANOPY TREE PER EVERY TEN PARKING SPACES SHALL BE PLANTED INTERNALLY TO THE PARKING LOT	REQUIRED	PROVIDED	
276 PARKING SPACES / 10 = 28 TREES	28 TREES	55 TREES	
NO PARKING SPACE MAY BE MORE THAN 80 FEET FROM THE TRUNK OF A CANOPY TREE*	REQUIRED	PROVIDED	
*EXISTING SITE DOES NOT CURRENTLY MEET REQUIREMENT	YES	NO	
RALPH HALL PKWY FRONTRAGE LANDSCAPING	REQUIRED	PROVIDED	
1 ORNAMENTAL AND 1 CANOPY FOR EVERY 50 LF OF ROAD FRONTAGE	15 OF EACH	15 OF EACH	
727 LF / 50 = 15 TREES			

GENERAL LANDSCAPE SPECIFICATIONS AND NOTES

A. **SCOPE OF WORK**

1. THE WORK CONSISTS OF FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPOINTMENTS NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS BUILT, AND THE PLANT LIST, AND AS HEREIN SPECIFIED.
2. WORK SHALL INCLUDE MAINTENANCE AND CARE OF ALL PLANTING AREAS OF THIS CONTRACT UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER.
3. 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.
4. PROTECTION OF EXISTING STRUCTURES
5. PROTECTION OF EXISTING PLANT MATERIALS OUTSIDE LIMIT OF WORK
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXCEPT AS OTHERWISE CAUSED BY CARELESS OPERATION OF EQUIPMENT, STOCKPILE IMPACT, ETC. THE CONTRACTOR SHALL NOT DAMAGE 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 BY THE CONTRACTOR SHALL BE REPAID TO THE OWNER AT THE COST OF THE CONTRACTOR. THE COST TO THE CONTRACTOR OF ONE HUNDRED DOLLARS (\$100) PER CALIPER INCH ON A CALIPER SCALES WHICH ADDS AN ADDITIONAL TWENTY (20) PER CENT PER INCH OVER FOUR (4) INCHES CALIPER AS FIXED AND AGREED LIQUIDATED DAMAGES. CALIPER SHALL BE MEASURED SIX (6) INCHES ABOVE GROUND LEVEL FOR TREES UP TO AND INCLUDING FOUR (4) INCHES IN CALIPER AND TWELVE (12) INCHES ABOVE GROUND LEVEL FOR TREES OVER FOUR (4) INCHES IN CALIPER.
7. 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.
8. 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.
9. 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.
10. 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.
11. CONTAINER GROWN STOCK
12. 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 DOUBLED OVER AND TIGHTLY TIED TO THE CONTAINER.
13. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUITABLY 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.
14. PLANT ROOTS CONTAIN IN CONTAINERS SHALL NOT BE ACCEPTABLE.
15. 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 TOPS DRESSING IS NECESSARY AFTER ROLLING TO FILL THE Voids BETWEEN THE SOD PANELS AND TO EVEN OUT INCONVENiences IN THE SOIL. CLEAN SAND AS APPROVED BY THE LANDSCAPE ARCHITECT SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED.
16. DURING DELIVERY, PRIOR TO AND DURING THE PLANTING OF THE LAWNS, 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.
17. SEEDING
18. THE CONTRACTOR SHALL SOIL ALL AREAS THAT ARE NOT PAVED OR PLANTED AS DESIGNATED ON THE DRAWINGS WITHIN THE CONTRACT LIMITS, UNLESS SPECIFICALLY NOTED OTHERWISE.
19. THE PLANTS SHALL BE PLANTED FROM THE PLANT LIST. THE PLANTS SHALL BE PLANTED SO AS TO VARY IN TYPE AND FROM WEEDS, FUNGI, INSECTS AND DISEASE OF ANY KIND.
20. SOD PANELS SHALL BE LAID TIGHTLY TOGETHER SO AS TO MAKE A SOLID SODED LAWN AREA. SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER Hardscape ELEMENTS, PAVED AND PLANTED AREAS, ADJACENT TO BUILDINGS, A FOUR INCH MULCH STRIP SHALL BE PROVIDED TO THE PLANTING AREAS TO PROTECT THE PLANTS FROM THE Hardscape ELEMENTS.
21. THE OWNER, TOP-DRESSING IS 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 INCONVENiences IN THE SOIL, CLEAN SAND AS APPROVED BY THE LANDSCAPE ARCHITECT SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED.
22. D. DURING DELIVERY, PRIOR TO AND DURING THE PLANTING OF THE LAWNS, 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.
23. SEED MIXTURE
24. 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.
25. B. SEED MIXTURE, PROVIDED BY SEED OF SPECIES AND VARIETIES, PROPORTIONS BY WEIGHT AND MINIMUM PERCENTAGES OF PURITY, GERMINATION, AND MAXIMUM PERCENTAGE OF WEED SEED. SEED MIXTURES VARY BY REGION AND SEASON AND SHALL COMPLY WITH STATE DO AND LOCAL SOIL CONSERVATION SERVICE STANDARDS FOR LAWN SEED.
26. C. DO NOT PERFORM SEEDING IN WINDY CONDITIONS.
27. D. SEEDING SHALL BE DISPERSED IN 2 DIRECTIONS AT RIGHT ANGLES TO EACH OTHER.
28. E. PERMANENTLY SEED AND MULCH CUT AND FILL SLOPES AS CONSTRUCTION PROCEEDS TO EXTEND CONSIDERED DESIRABLE AND PRACTICAL. IN THE EVENT IT IS NOT PRACTICAL TO SEED SLOPES, SLOPES SHALL BE STABILIZED WITH STRAW MULCH AND TACKIFIER, BONDED FIBER MATRIX, NETTING, BLANKETS OR OTHER MEANS TO REDUCE THE EROSION POTENTIAL OF THE AREA.
29. F. SEED LAWN AREAS BY SOWING EVENLY WITH APPROVED MECHANICAL SEEDER AT RATE OF, MINIMUM OF 6 POUNDS PER 100 SQUARE FEET. AMOUNT WILL VARY BASED ON PLANTING AREA, CROP, PLANTING DATE, AND SEEDING EQUIPMENT USED. SEEDING SHALL BE PERFORMED DURING THE DAY IN AREAS INACCESSIBLE TO CUT-TACKER, LIGHTLY RAKED SEEDED GROUND WITH FLEXIBLE RAKES AND ROLL WITH WATER BALAST ROLLER. AFTER ROLLING, MULCH WITH STRAW MULCH AT THE RATE OF 2 TONS PER ACRE.
30. G. SURFACE LAYER OF SOIL FOR SEDED AREAS SHALL BE KEPT MOIST DURING GERMINATION PERIOD. WATER SEDED AREAS TWICE FIRST WEEK TO MINIMUM DEPTH 6 INCHES WITH FINE SPRAY AND ONCE PER WEEK THEREAFTER AS NECESSARY TO SUPPLEMENT NATURAL RAIN TO EQUIVALENT OF 6 INCHES DEPTH.
31. H. CONTRACTOR TO REAPPLY SEED AS NECESSARY IN ORDER TO GET ALL SEDED AREAS ESTABLISHED AS INTENDED.
32. I. LAWN MAINTENANCE
33. J. 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 GRODED 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 REGARDING IF NECESSARY).
34. K. WATER EVERY DAY FOR TEN (10) CONSECUTIVE DAYS, THEN WATER THREE (3) TIMES PER WEEK AT EVENING FOR TWO (2) CONSECUTIVE DAYS, THEN WATER THREE (3) TIMES PER WEEK AT EVENING FOR TWO (2) CONSECUTIVE DAYS. CONTRACTOR TO DETERMINE IF SITE IS IN A DROUGHT RESTRICTION AREA AND MUST FOLLOW CITY/COUNTY PROTOCOL IF ANY ARE IN PLACE.
35. L. CLEAN-UP
36. U. ON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MULCH, STONE, DEBRIS, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE REPAIRED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.
37. U. PLANT MATERIAL MAINTENANCE
38. ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING, CUTTING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR RE-SPRING SUPPORTS) NECESSARY TO INSURE A HEALTHY CONDITION BY THE CONTRACTOR UNTIL CERTIFICATION OF ACCEPTABILITY BY THE LANDSCAPE ARCHITECT OR OWNER. MAINTENANCE AFTER THE CERTIFICATION OF ACCEPTABILITY BY THE LANDSCAPE ARCHITECT OR OWNER SHALL BE PROVIDED BY THE CONTRACTOR FOR A PERIOD OF 90 CALENDAR DAYS COMMENCING AFTER ACCEPTANCE.
39. V. MAINTENANCE (ALTERNATE BD ITEM)
40. 1. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE FOR MAINTENANCE FOLLOWING THE INITIAL 90-DAY MAINTENANCE PERIOD ON COST PER MONTH BASIS.
41. W. GUARANTEE
42. 1. THE LIFE AND SATISFACTION 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.
43. 2. THE LIFE AND SATISFACTION CONDITION OF ALL OTHER PLANT MATERIAL (INCLUDING SOD) INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE GUARANTEED BY THE CONTRACTOR FOR A MINIMUM OF 90 CALENDAR DAYS, COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE LANDSCAPE ARCHITECT OR OWNER.
44. 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. THE PLANT SHALL BE REPLACED WITH A PLANT OF THE SAME SPECIES AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED UNDER PLANTING. AT NO ADDITIONAL COST TO THE OWNER.
45. 4. IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE (AND IRIGATION) SERVICES, THE OWNER MAY REQUEST THE CONTRACTOR TO VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER, AND SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER. THE CONTRACTOR MAY REQUEST THE OWNER TO SUGGEST SITE VISITS WHICH SHALL BE CONDUCTED A MINIMUM OF ONCE PER MONTH FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE.
46. X. FINAL INSPECTION AND ACCEPTANCE OF WORK
47. FINAL INSPECTION AT THE END OF THE GUARANTEE PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND OTHER INDIVIDUAL WORK PERTAINING TO THE CONTRACT. ANY REPLACEMENT AT THIS TIME SHALL BE SUBJECT TO THE ONE YEAR WARRANTY (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.
48. PLANTING NOTES
49. 1. ALL PLANT MATERIAL SHALL BE INSTALLED ACCORDING TO SOUND NURSERY PRACTICES AND SHALL MEET ALL STANDARDS AS STATED IN THE LATEST EDITION OF 'AMERICAN STANDARD FOR NURSERY STOCK' (2001).
50. 2. NO SUBSTITUTE IN PLANT MATERIALS SHALL BE MADE WITHOUT WRITTEN AUTHORIZATION FROM OWNER OR LANDSCAPE ARCHITECT.
51. 3. LOCATE ALL UTILITIES PRIOR TO ANY DIGGING OPERATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO EXISTING UTILITIES INCURRED BY HIS WORK.
52. 4. REPAIRS FOR BROKEN PLANTS SHALL BE MADE AS SOON AS POSSIBLE.
53. 5. STAKING AND GuyING ALTERNATIVES METHODS INDICATED IN DRAWING DETAILS ARE PREFERRED. CONTRACTOR MAY SUGGEST ALTERNATE METHODS, ASSUMING FULL RESPONSIBILITY FOR THEIR IMPLEMENTATION. CONTRACTOR SHALL REPLACE, PLANT, OR UPRIGHT ANY TREES BLOWN OVER OR DAMAGED DUE TO INADEQUATE STAKING AT AN ADDITIONAL COST TO THE OWNER.
54. 6. PLANTS MASSED IN BEDS SHALL BE ARRANGED USING TRIANGULAR SPACING.
55. 7. PLANTING BEDS TO BE CONCRETE OR CONCRETE MULCH STRIP BETWEEN ALL PLANTING BEDS AND LAWN AREAS. REFERENCED SITE PLAN.
56. 8. ALL PLANTING BEDS TO BE TOP DRESSED WITH A MINIMUM OF 3' SHREDDED HARDWOOD MULCH, UNLESS OTHERWISE SPECIFIED.
57. 9. PROVIDE GRASS SEEDING OR BERMUDA SOD FOR PROPOSED LAWN AREAS TO ALL EDGES OF PLANTING BEDS AND LAWN AREAS.
58. 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL LANDSCAPING UNTIL FINAL ACCEPTANCE. ALL REQUIRED LANDSCAPING SHALL BE MAINTAINED IN A NEAT AND ORDERLY MANNER AT ALL TIMES. THE WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, MOWING, EDGING, PLANTING,

SITE PLAN SIGNATURE BLOCK:

APPROVED:
I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall on the _____ day of _____.

WITNESS OUR HANDS, this _____ day of _____.

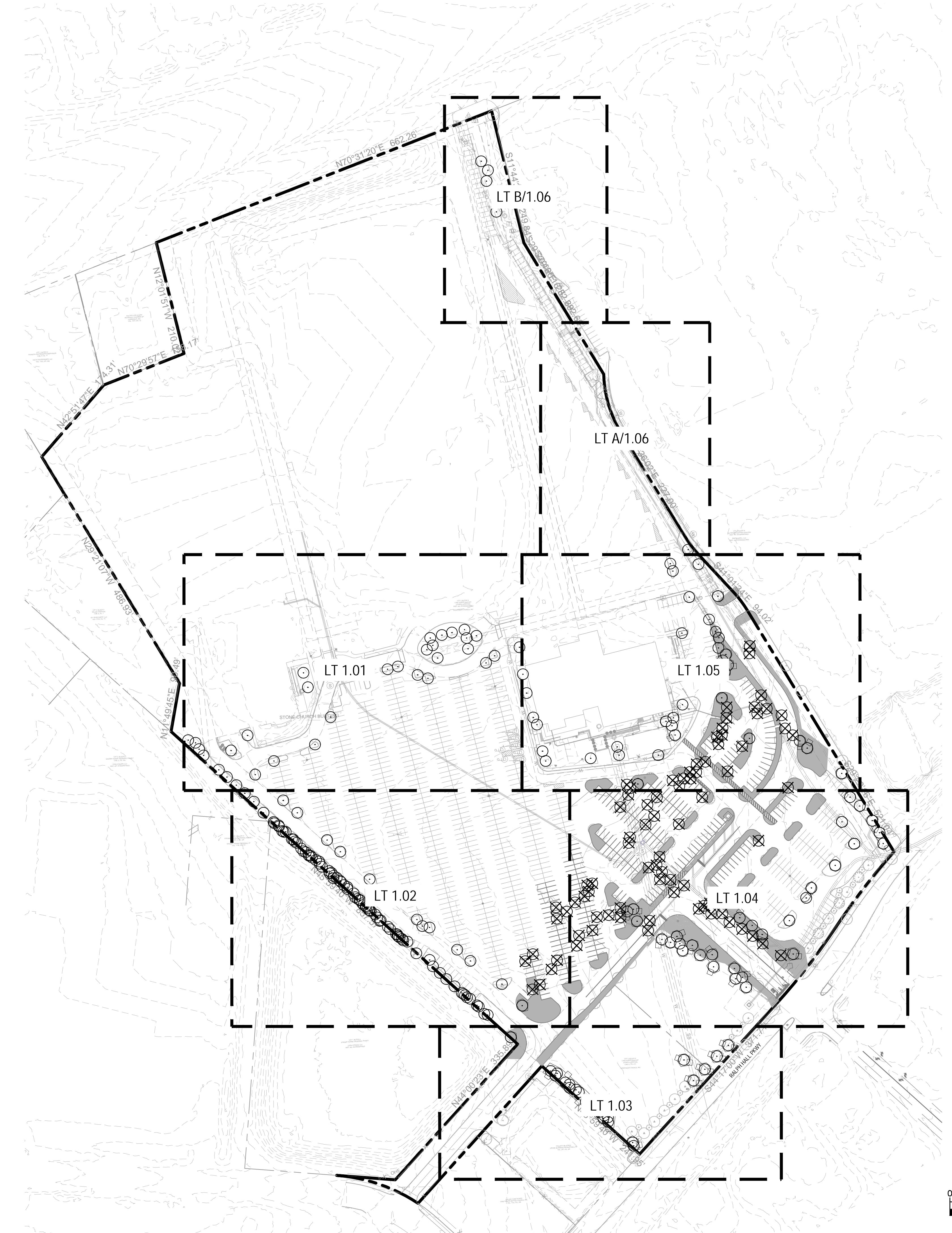
Planning & Zoning Commission, Chairman _____ **Director of Planning and Zoning** _____

"RECORD DRAWINGS"

To the best of our knowledge Kimley-Horn, hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.

12/18/2025 **NIK ADAMS, P.L.A.**
DATE: BY:

Plotted By: Von Borstel, Sora Date: September 11, 2024 10:15:31am File Path: K:\DAU_Civil\064-608805-Lakepointe Ring Road.CAD\Phase 1\Landscape Plan Sheets\LT 1.01.dwg
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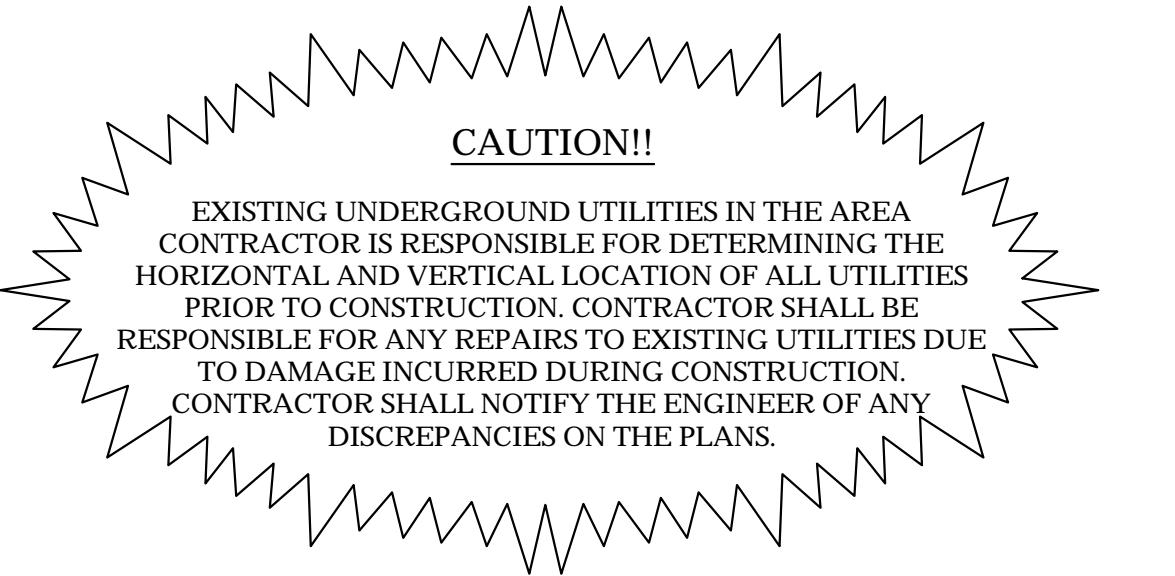


**LANDSCAPE PLAN LAKEPOINTE
CHURCH PARKING LOT EXTENSION**

ADDRESS: 701 130, TX
OVERLAY DISTRICT: IH-30, (PT OF 34.49 AC TR)
RCAD PROP ID: 53836
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

OWNER:
LAKEPOINTE CHURCH
701 E INTERSTATE 30,
ROCKWALL, TX 75087
(469) 698-2200

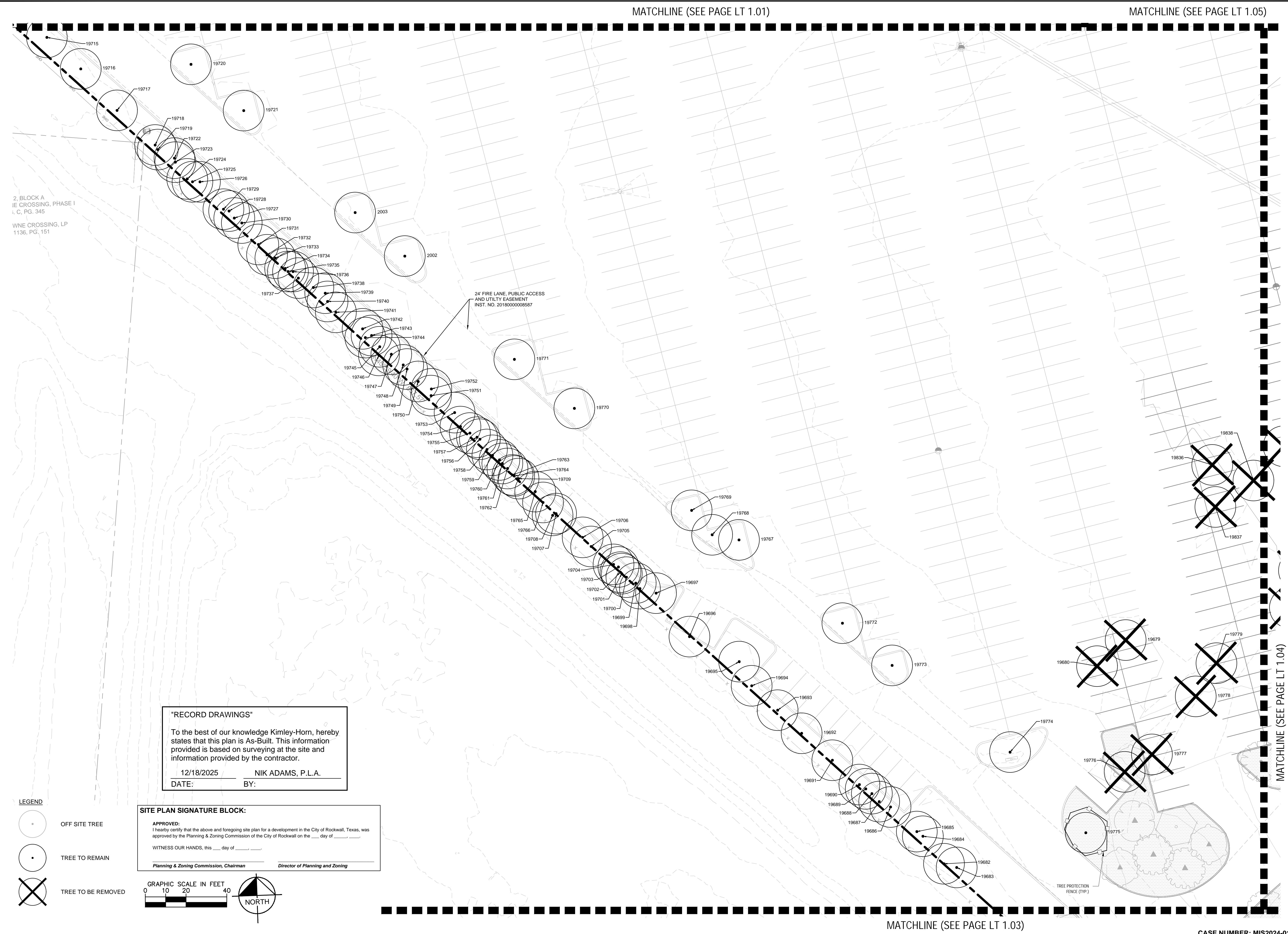
LANDSCAPE ARCHITECT:
KIMLEY-HORN AND ASSOCIATES, INC.
6160 WAREN PKWY, SUITE 210
FRISCO, TX 75034
PHONE: 972-335-3580
CONTACT: NIK ADAMS, PLA.

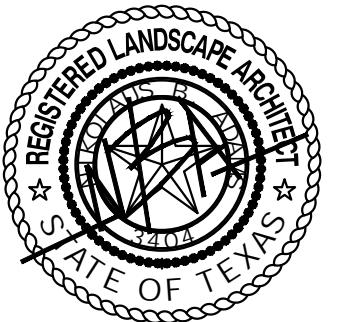


Kimley»Horn

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WWW.KIMLEY-HORN.COM
TEXAS REGISTERED ENGINEERING FIRM F-928

LAKEPOINTE RING ROAD	OVERALL TREESCAPE PLAN
<p>KHA PROJECT 064-608805 DATE 9/11/2024 SCALE: AS SHOWN DESIGNED BY: CLW DRAWN BY: CLW CHECKED BY: NEA</p>	
<p>CITY OF ROCKWALL ROCKWALL COUNTY, TEXAS</p>	
<p>GRAPHIC SCALE IN FEET 0 50 100 200</p>	
<p>NORTH</p>	
<p>SHEET NUMBER LT 1.00</p>	
<p>CASE NUMBER: MIS2024-018</p>	



Kimley»Horn	
	
KIMLEY-HORN AND ASSOCIATES, INC. 6160 WARREN PARKWAY, SUITE 210, FRISCO, TX 75034 PHONE: 972-335-3580 WWW.KIMLEY-HORN.COM TEXAS REGISTERED ENGINEERING FIRM F-928	
DATE:	9/11/2024
SCALE:	AS SHOWN
DESIGNED BY:	CLW
DRAWN BY:	CLW
CHECKED BY:	NEA
REVISIONS:	
NO.:	
BY:	

LAKEPOINTE RING ROAD

TREESCAPE PLAN

CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

SHEET NUMBER

LT 1.02

CASE NUMBER: MIS2024-018

SITE PLAN SIGNATURE BLOCK:

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WITNESS OUR HANDS, this _____ day of _____.

Planning & Zoning Commission, Chairman Director of Planning and Zoning

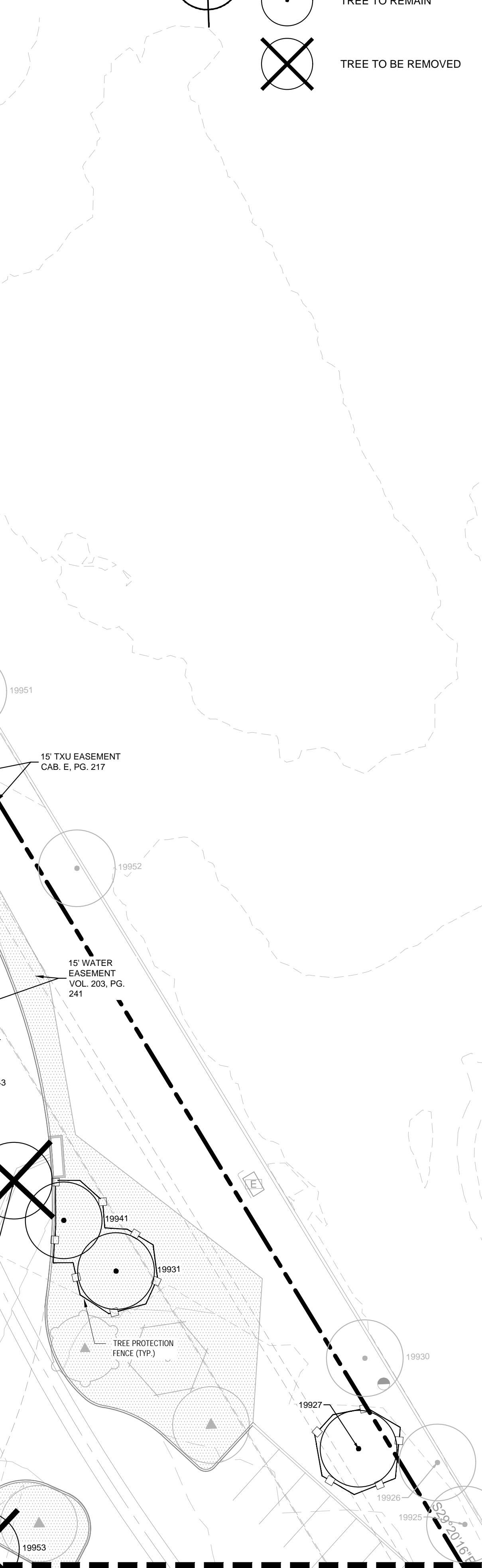
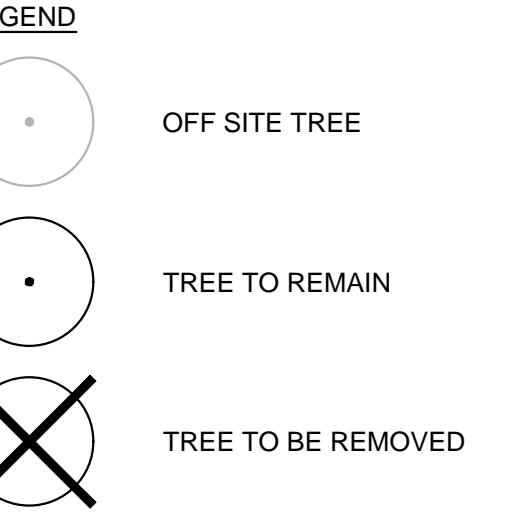
"RECORD DRAWINGS"

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12/18/2025 NIK ADAMS, P.L.A.
DATE: BY:

MATCHLINE (SEE PAGE A/LT 1.06)

GRAPHIC SCALE IN FEET
0 10 20 30 40



Plotted By: Von Borstel, Sora Date: September 11, 2024 10:15:53am File Path: K:\Civil\064608805\Lakepointe Ring Road\CAD\Phase 1\Landscape Plan Sheets\LT 1.01.dwg
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MATCHLINE (SEE PAGE LT 1.01)



MATCHLINE (SEE PAGE LT 1.02)

MATCHLINE (SEE PAGE LT 1.04)

LAKEPOINTE RING ROAD
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

Kimley»Horn



9/11/2024

064608805

DATE: 9/11/2024

SCALE: AS SHOWN

DESIGNED BY: CLW

DRAWN BY: CLW

CHECKED BY: NEA

SHEET NUMBER

LT 1.05

CASE NUMBER: MIS2024-018

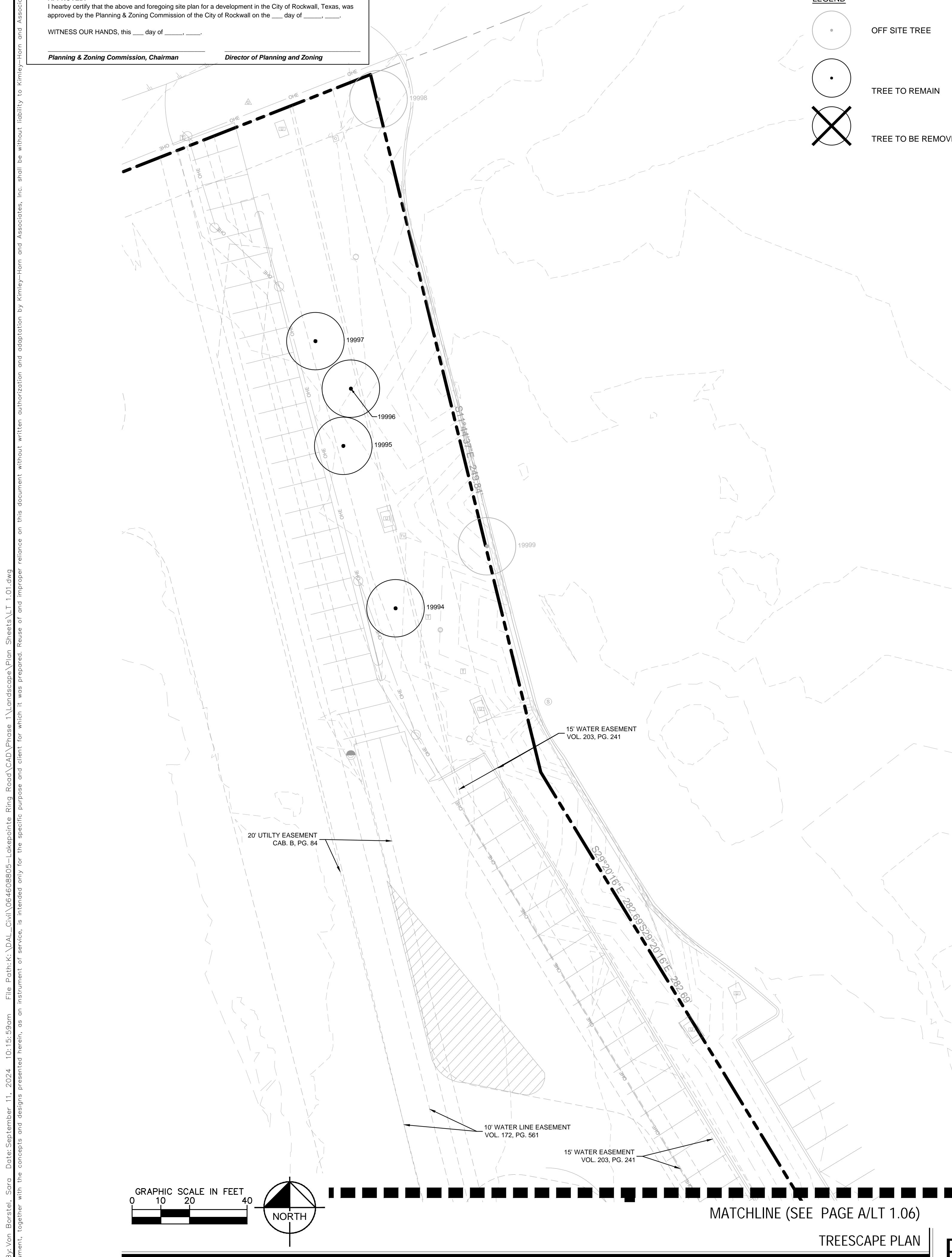
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PHONE: 972-335-3580
WWW.KIMLEY-HORN.COM
TEXAS REGISTERED ENGINEERING FIRM F-928

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Planning & Zoning Commission, Chairman Director of Planning and Zoning



Kimley-Horn

REGISTERED LANDSCAPE ARCHITECTURE STATE OF TEXAS

© 2024 KIMLEY-HORN AND ASSOCIATES, INC.
6160 WARREN PARKWAY, SUITE 210, FRISCO, TX 75034
PHONE: 972-335-3580
WWW.KIMLEY-HORN.COM
TEXAS REGISTERED ENGINEERING FIRM F-928

KHA PROJECT	06-608805
DATE	9/11/2024
SCALE: AS SHOWN	CLW
DESIGNED BY:	CLW
DRAWN BY:	CLW
CHECKED BY:	NEA

LAKEPOINTE RING ROAD

CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

TREESCAPE PLAN

LT 1.06

SHEET NUMBER

REVISIONS

DATE

BY

"RECORD DRAWINGS"

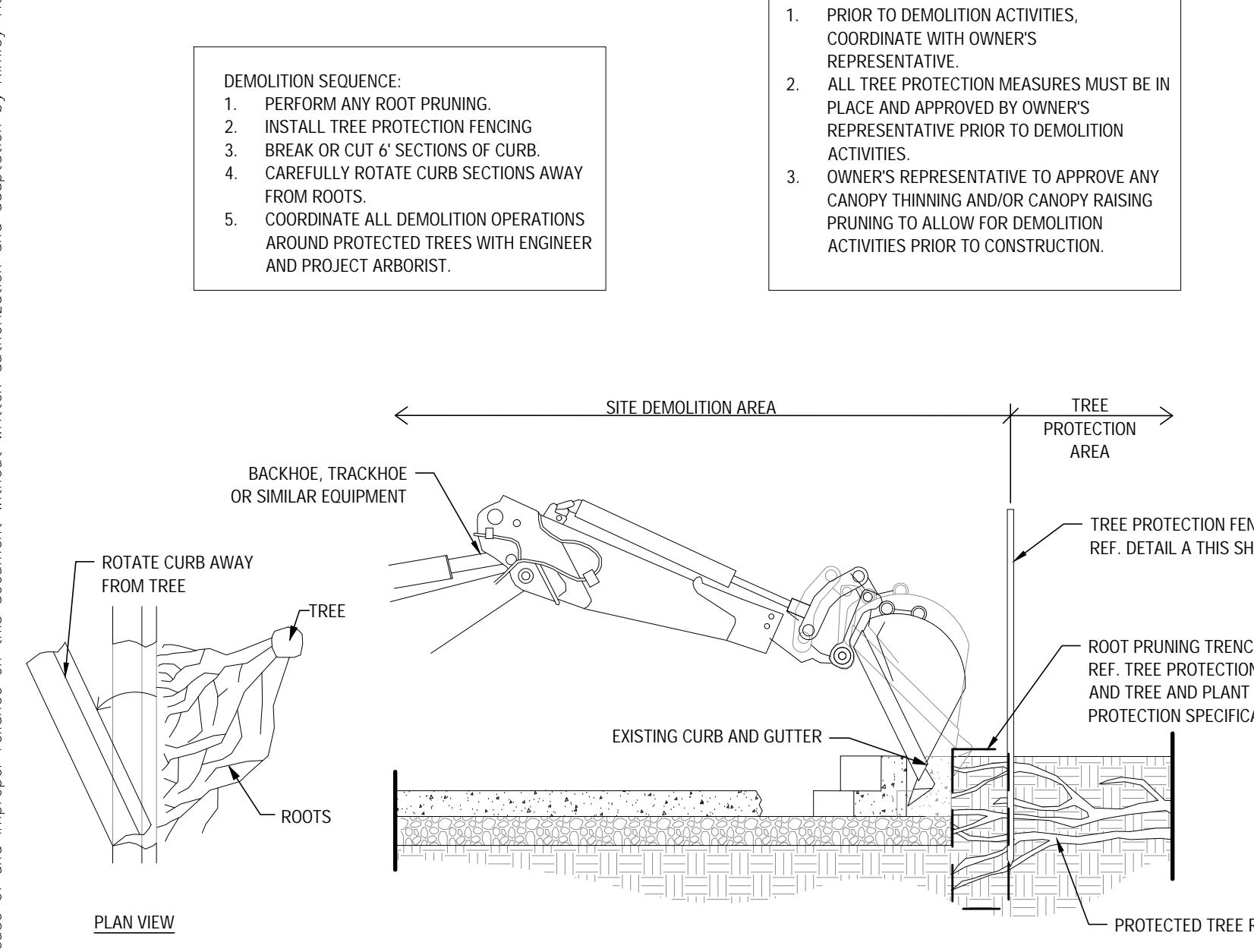
To the best of our knowledge Kimley-Horn, hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.

12/18/2025 NIK ADAMS, P.L.A.
DATE: BY:



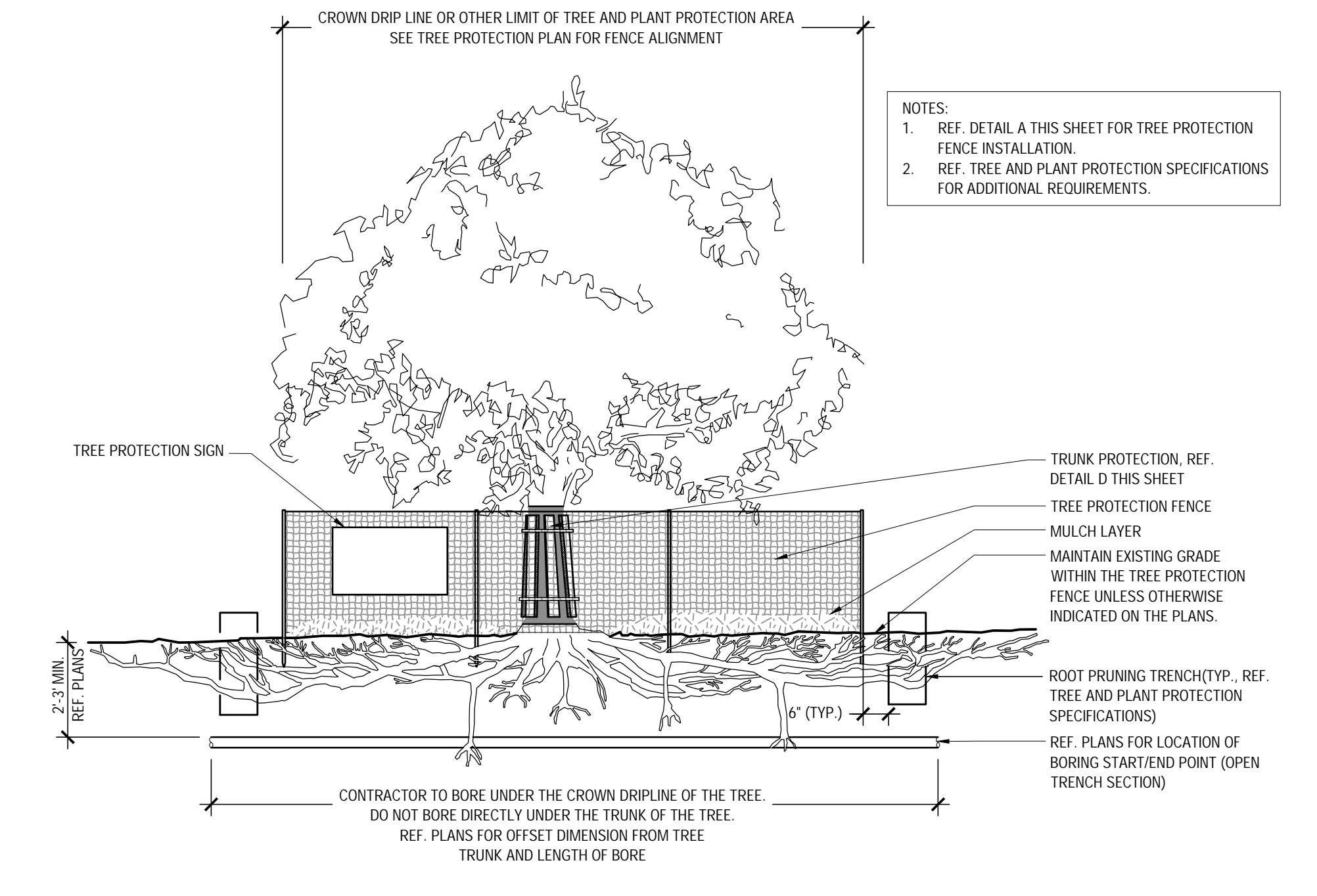
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CURB DEMOLITION AROUND EXISTING TREE ROOTS



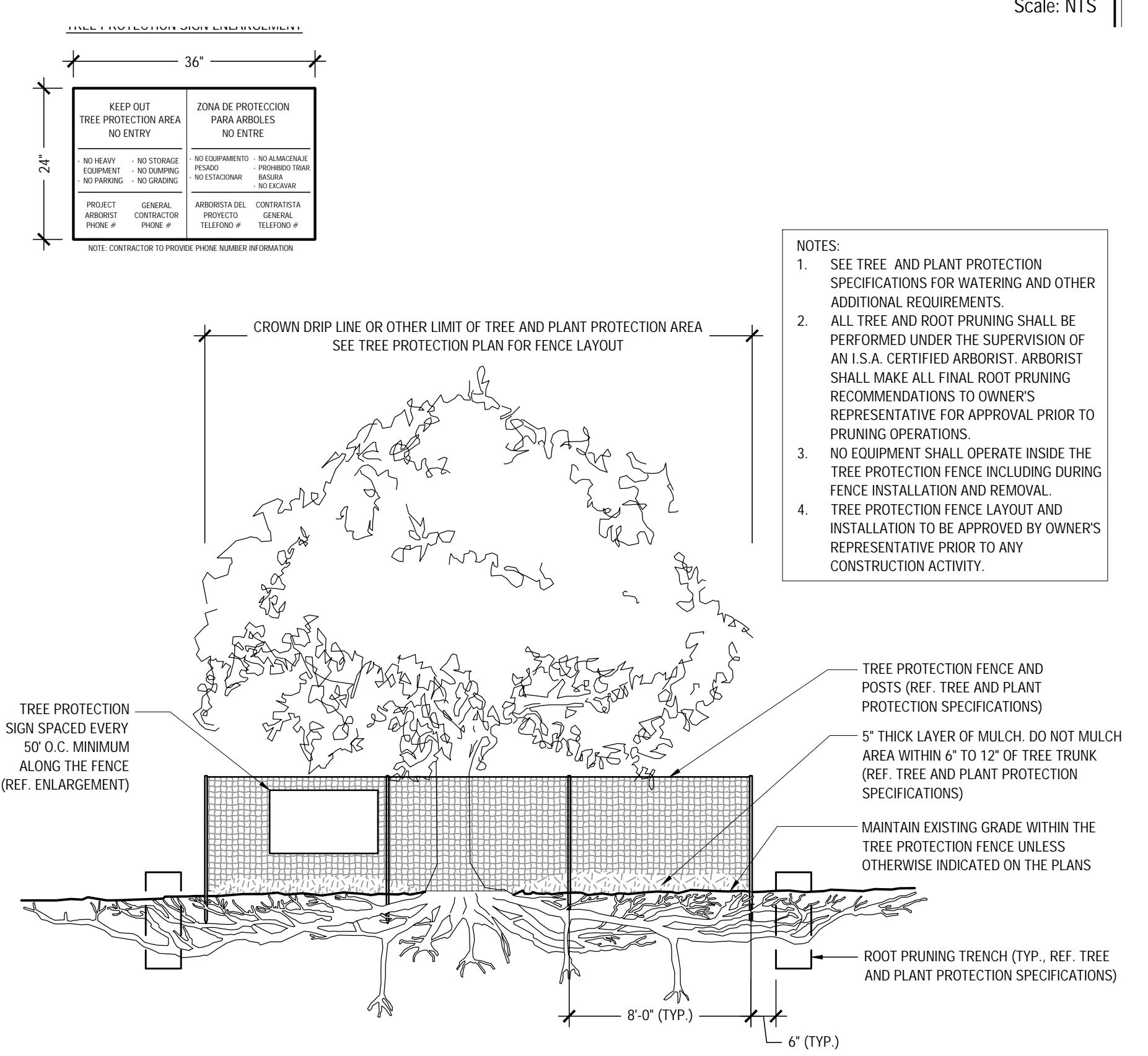
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TRUNK PROTECTION



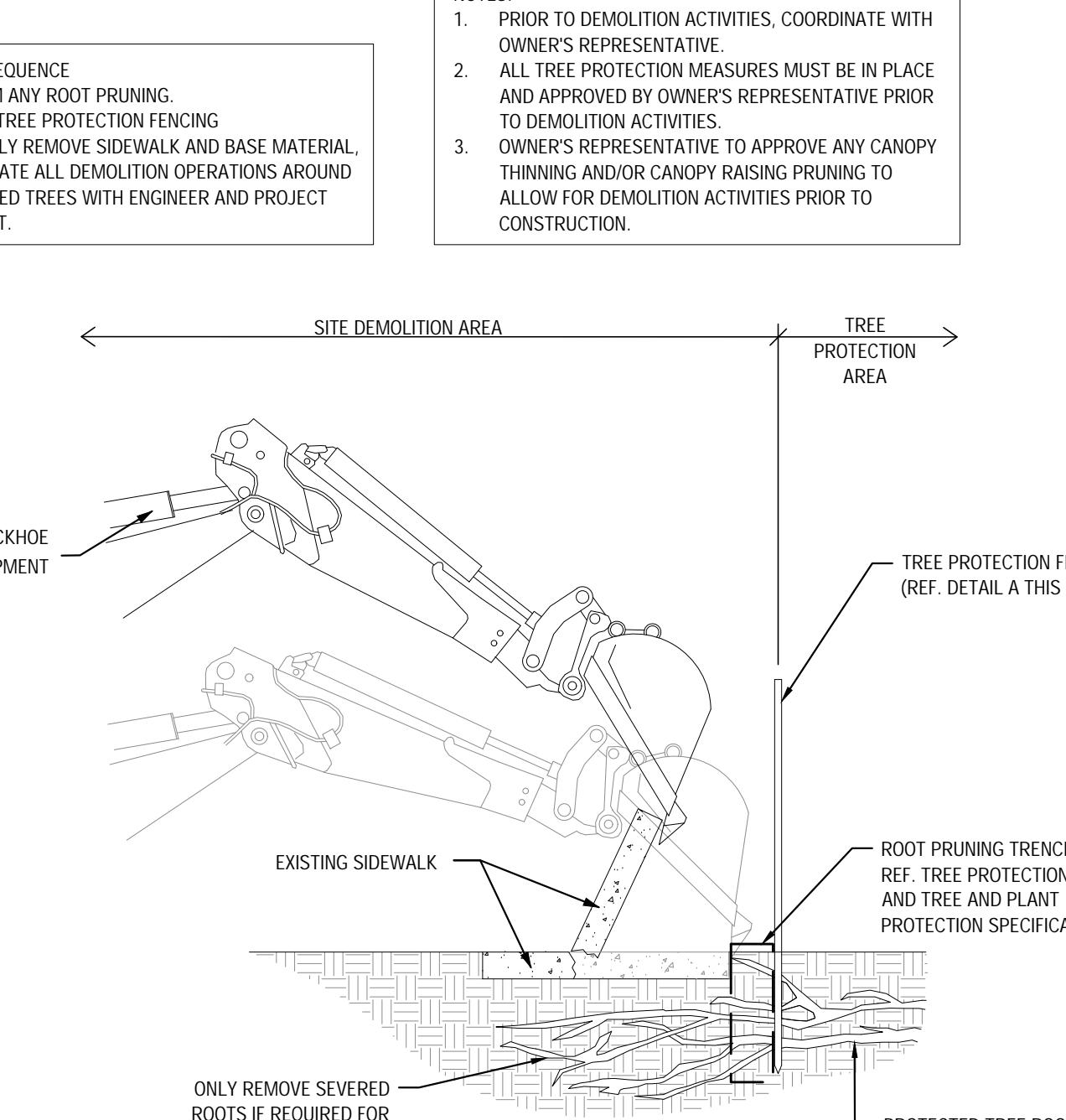
10 of 10

TREE PROTECTION - UTILITY BORING UNDER CROWN DRIPLINE



110

IDEWALK DEMOLITION AROUND EXISTING TREE ROW



10

TREE PROTECTION - CONSTRUCTION ACCESS ROAD



1

TYPICAL TREE PROTECTION FENCING

110

Τ 3.01

SITE PLAN SIGNATURE BLOCK:

APPROVED:
I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall on the ____ day of _____.
WITNESS OUR HANDS, this ____ day of _____.
Planning & Zoning Commission, Chairman Director of Planning and Zoning

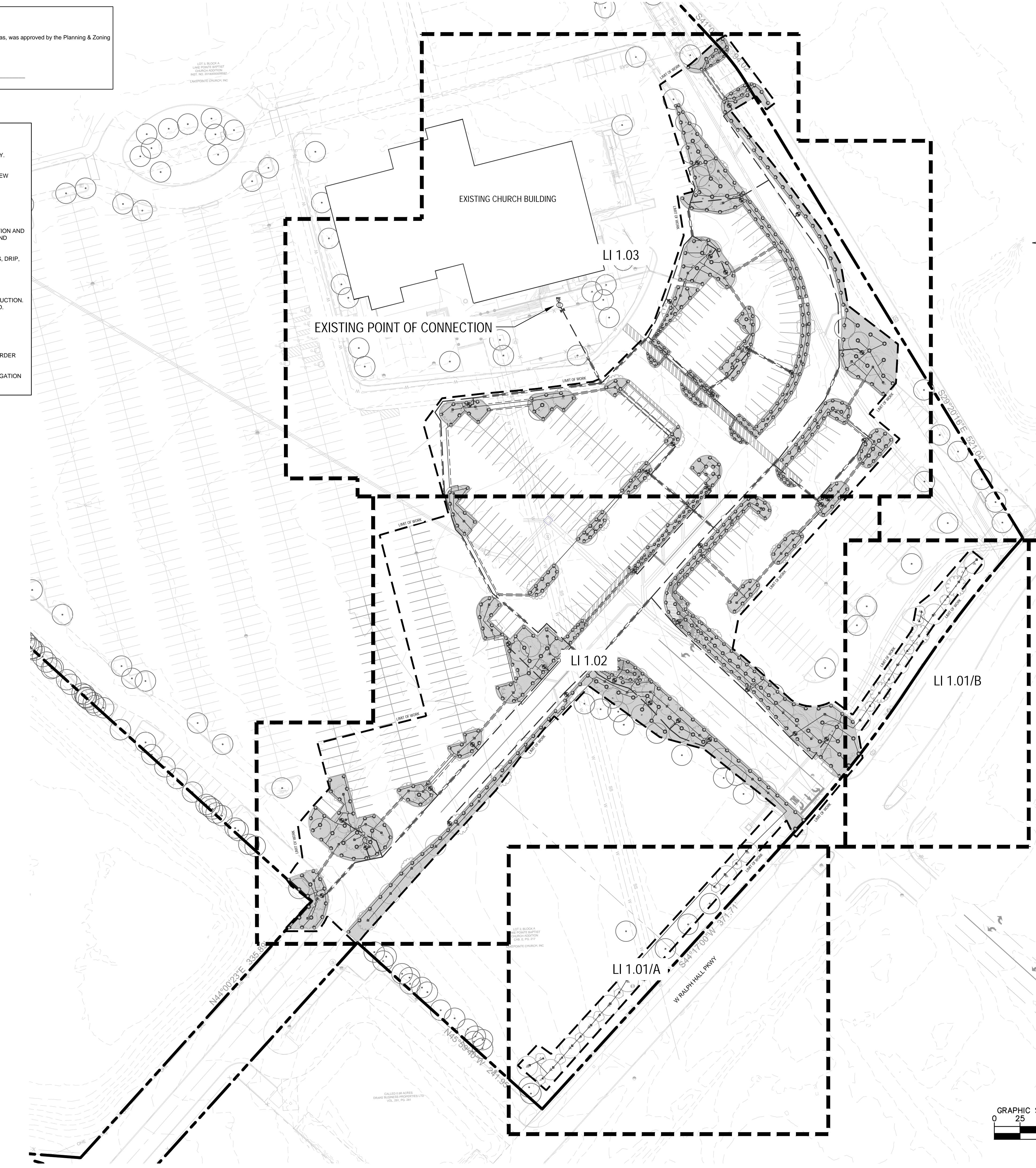
EXISTING IRRIGATION NOTES

1. CONTRACTOR TO CONFIRM EXISTING SYSTEM SOURCE AND BACKFLOW ARE FULLY OPERATIONAL.
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DATE: BY:



**IRRIGATION PLAN LAKEPOINTE
CHURCH PARKING LOT EXTENSION**
ADDRESS: 701 130, TX
OVERLAY DISTRICT: IH-30, (PT OF 34.49 AC TR)
RCAD PROP ID: 53836
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS
OWNER: LAKEPOINTE CHURCH
701 E INTERSTATE 30,
ROCKWALL, TX 75087
(469) 698-2200
LANDSCAPE ARCHITECT:
KIMLEY-HORN AND ASSOCIATES, INC.
6160 WAREN PKWY, SUITE 210
FRISCO, TX 75034
PHONE: 972-335-3580
CONTACT: NIK ADAMS, PLA.

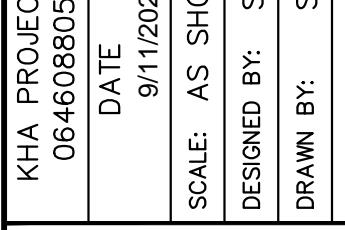
CAUTION!!
EXISTING UNDERGROUND UTILITIES IN THE AREA
CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE
HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES
PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE
RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE
TO DAMAGE INCURRED DURING CONSTRUCTION.
CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY
DISCREPANCIES ON THE PLANS.



Know what's below.
Call before you dig.

Kimley»Horn

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6160 WAREN PARKWAY, SUITE 210, FRISCO, TX 75034
WWW.KIMLEY-HORN.COM
TEXAS REGISTERED ENGINEERING FIRM F-928



KHA PROJECT
06462805
DATE
9/11/2024
SCALE: AS SHOWN
DESIGNED BY: SvB
DRAWN BY: SvB
CHECKED BY: LMC

LAKEPOINTE RING
ROAD
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

SHEET NUMBER

LI 1.00

CASE NUMBER: MIS2024-018

SITE PLAN SIGNATURE BLOCK:

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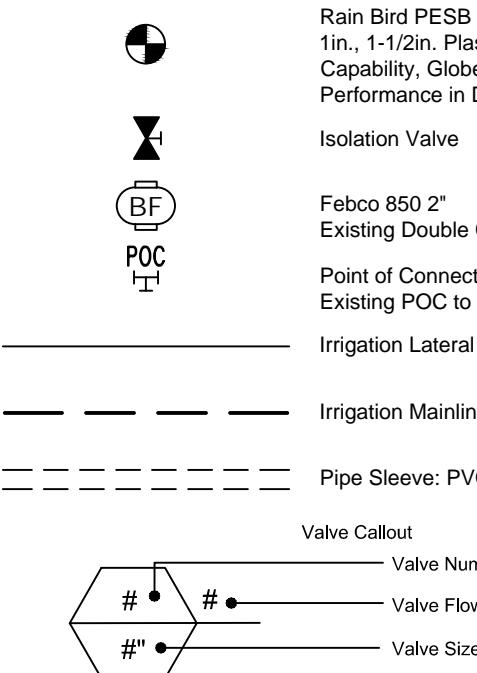
WITNESS OUR HANDS, this _____ day of _____.

Planning & Zoning Commission, Chairman Director of Planning and Zoning

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
Q H F	Rain Bird 1804 5 Series MPR Turf Spray 4.0in. Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2in. NPT Female Threaded Inlet.	11
Q T H F	Rain Bird 1804 8 Series MPR Turf Spray 4.0in. Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2in. NPT Female Threaded Inlet.	33
Q T H F	Rain Bird 1804 10 Series MPR Turf Spray 4.0in. Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2in. NPT Female Threaded Inlet.	174
Q T H F	Rain Bird 1804 12 Series MPR Turf Spray 4.0in. Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2in. NPT Female Threaded Inlet.	99
Q T H F	Rain Bird 1804 15 Series MPR Turf Spray 4.0in. Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2in. NPT Female Threaded Inlet.	290
Q H F	Rain Bird 1812 5 Series MPR Shrub Spray 12in. Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2in. NPT Female Threaded Inlet.	13
Q T H F	Rain Bird 1812 8 Series MPR Shrub Spray 12in. Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2in. NPT Female Threaded Inlet.	73
Q T H F	Rain Bird 1812 10 Series MPR Shrub Spray 12in. Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2in. NPT Female Threaded Inlet.	54
25 50 10 20	Toro 570S-FB-PC Pressure-Compensating Flood Bubbler Nozzle. 0.25 GPM and 0.5 GPM.	114

SYMBOL



MANUFACTURER/MODEL/DESCRIPTION

Rain Bird PESB 1in., 1-1/2in. Plastic Industrial Remote Control Valve. Low Flow Operating Capability, Globe Configuration, With Scrubber Technology for Reliable Performance in Dirty Water Irrigation Applications.	37
Isolation Valve	1
Febco 850 2"	1
Existing Double Check Backflow prevention.	1
Point of Connection 2"	1
Existing POC to tie into mainline.	
Irrigation Lateral Line: PVC Class 200 SDR 21	11,943 ft.
Irrigation Mainline: PVC Class 200 SDR 21	3,390 ft.
Pipe Sleeve: PVC Schedule 40	1,517 ft.
Valve Callout	
Valve Number	
Valve Flow	
Valve Size	

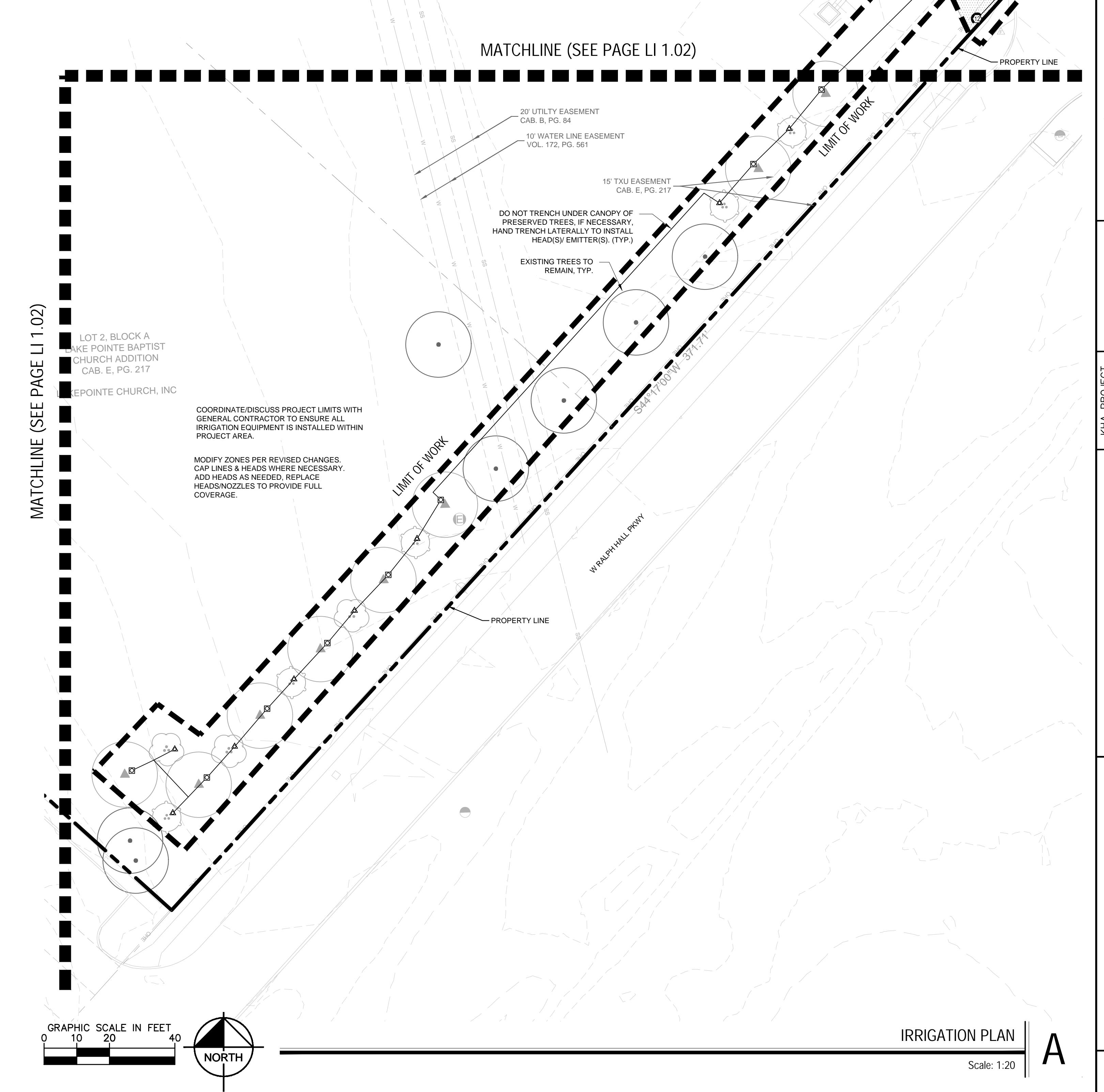
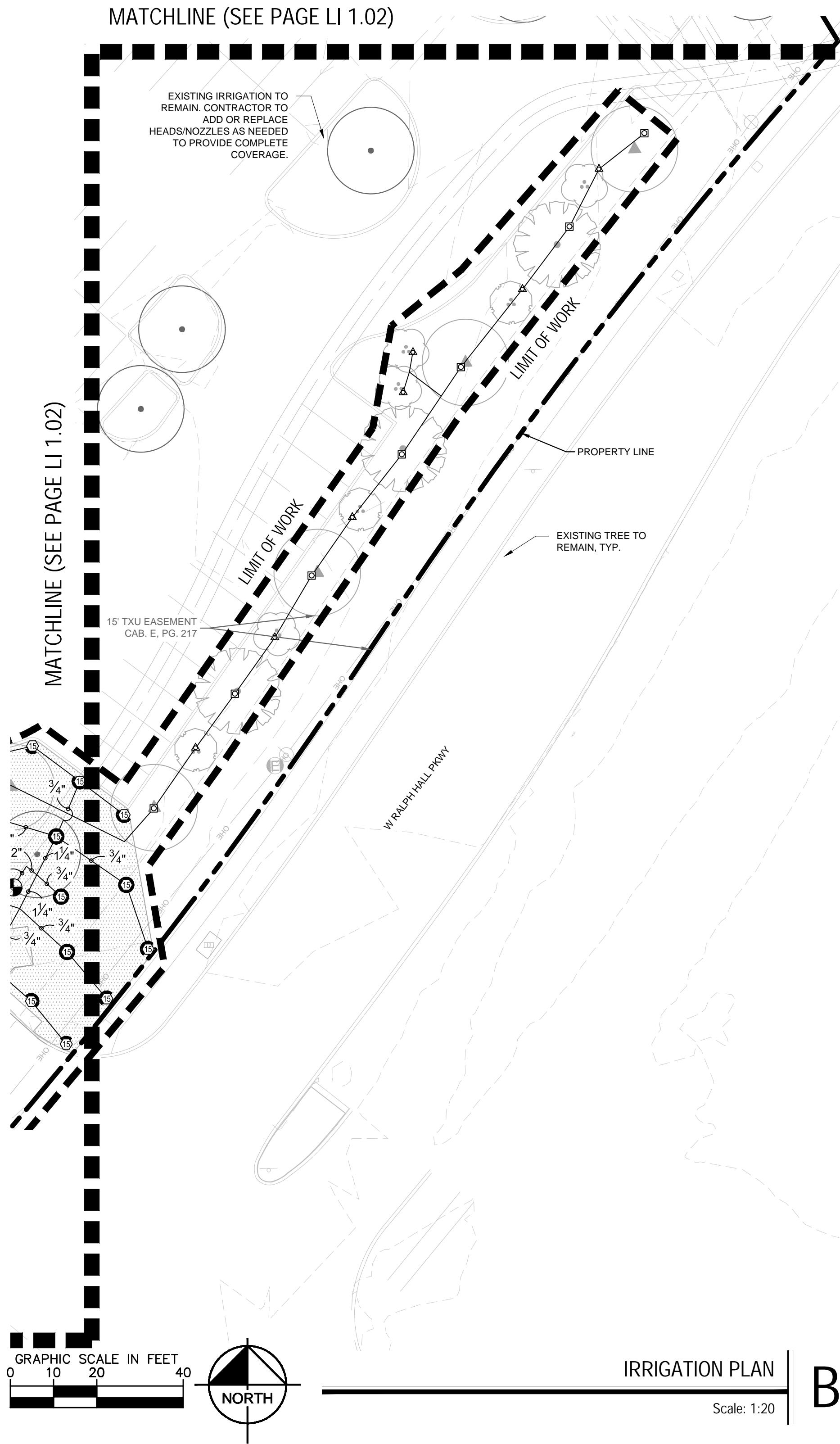
QTY

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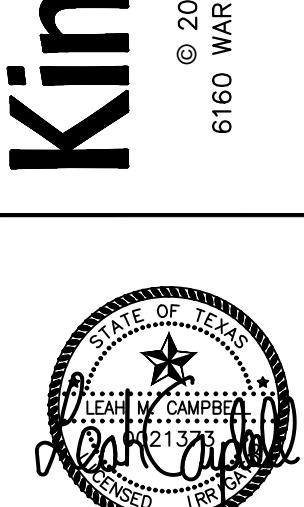
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Kimley»Horn



KHA PROJECT
06-4608805
DATE: 9/11/2024
SCALE: AS SHOWN
DESIGNED BY: SvB
DRAWN BY: SvB
CHECKED BY: LMC

IRRIGATION PLAN

LAKEPOINTE RING
ROAD
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

SHEET NUMBER
LI 1.01

CASE NUMBER: MIS2024-018

SITE PLAN SIGNATURE BLOCK:

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Planning & Zoning Commission, Chairman Director of Planning and Zoning

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SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
Q H F	Rain Bird 1804 4 Series MPR Turf Spray 4-in. Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2in. NPT Female Threaded Inlet	11
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SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
●	Rain Bird PE5B In. 1/2in. Plastic Industrial Remote Control Valve. Low Flow Operating Capacity. Globe Configuration. With Scrubber Technology for Reliable Performance in Dirty Water Irrigation Applications.	37
●	Isolation Valve	1
BF	Febco 850 2' Existing Double Check Backflow prevention.	1
POC	Point of Connection 2' Existing POC to tie into mainline.	1
—	Irrigation Lateral Line: PVC Class 200 SDR 21	11,943 ft.
—	Irrigation Mainline: PVC Class 200 SDR 21	3,390 ft.
—	Pipe Sleeve: PVC Schedule 40	1,517 ft.
—	Valve Callout — Valve Number — Valve Flow — Valve Size	

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MATCHLINE (SEE PAGE LI 1.03)

MATCHLINE (SEE PAGE A/LI 1.01)

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DATE: BY:

LAKEPOINTE RING
ROAD

CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

IRRIGATION PLAN

Kimley»Horn

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TEXAS REGISTERED ENGINEERING FIRM F-928

SHEET NUMBER

LI 1.02

CASE NUMBER: MIS2024-018

IRRIGATION SCHEDULE

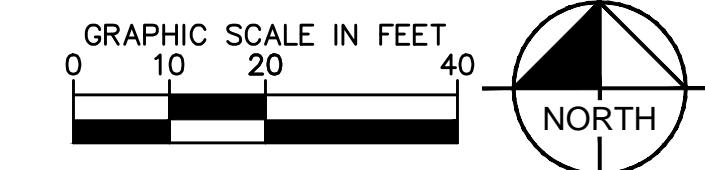
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○ T H T Q F	Rain Bird 1804 10 Series MPR Tur Spray 4.0in. Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2in. NPT Female Threaded Inlet.	174
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○ T H F	Rain Bird 1912 2 Series MPR Shrub Spray 12in. Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2in. NPT Female Threaded Inlet.	13
○ T H F	Shrub Spray 12in. Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2in. NPT Female Threaded Inlet.	73
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GRAPHIC SCALE IN FEET

0 10 20 40

NORTH

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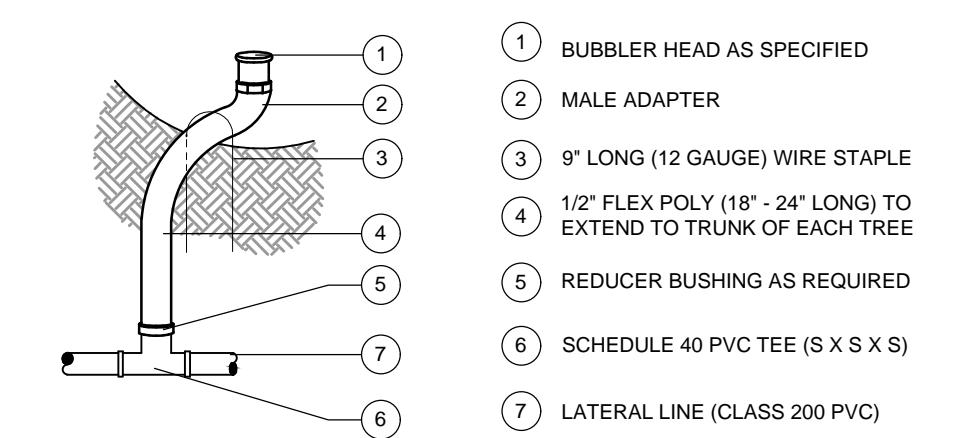
12/18/2025 NIK ADAMS, P.L.A.
DATE: BY:

- ① REMOTE CONTROL VALVE: RAIN BIRD PESB
- ② VALVE BOX WITH COVER: RAIN BIRD VB-STD
- ③ FINISH GRADE/TOP OF MULCH
- ④ PVC SCH 80 CLOSE NIPPLE
- ⑤ PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- ⑥ BRICK (1 OF 4)
- ⑦ PVC MAINLINE PIPE
- ⑧ SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND SCH 80 ELL
- ⑨ PVC SCH 80 TEE OR ELL
- ⑩ PVC SCH 40 MALE ADAPTER
- ⑪ PVC SCH 40 LATERAL PIPE
- ⑫ 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL

Electric Remote Control Valve PESB Series

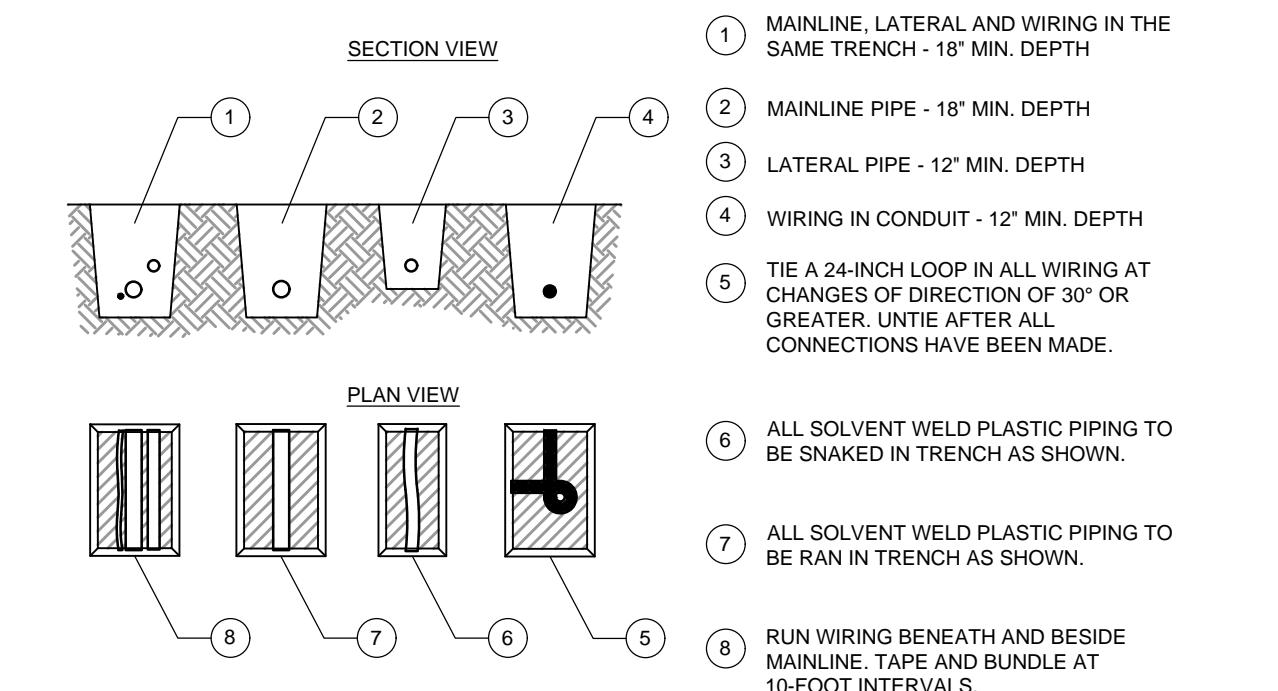
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Scale: N.T.S.



Bubbler Assembly

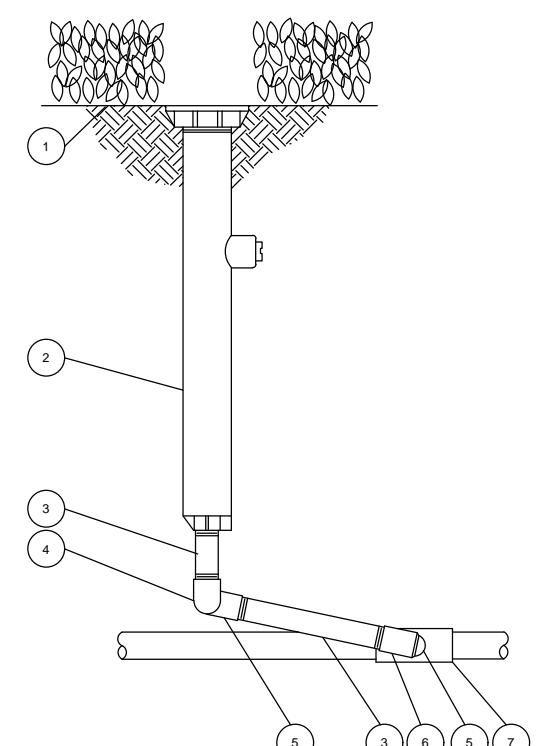
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Electric Remote Control Valve PESB Series

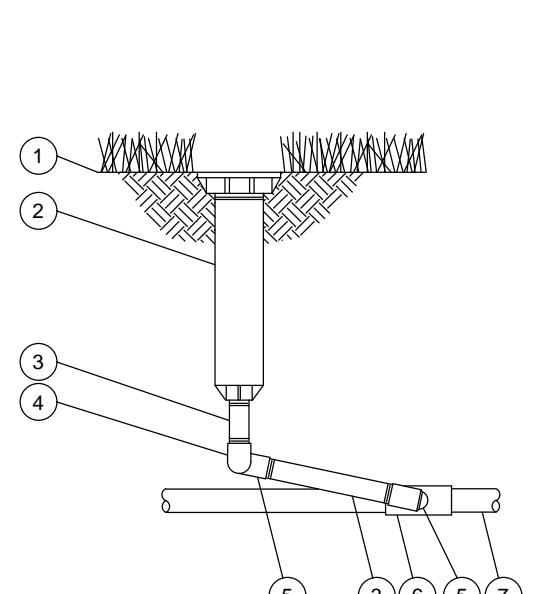
D

Scale: N.T.S.



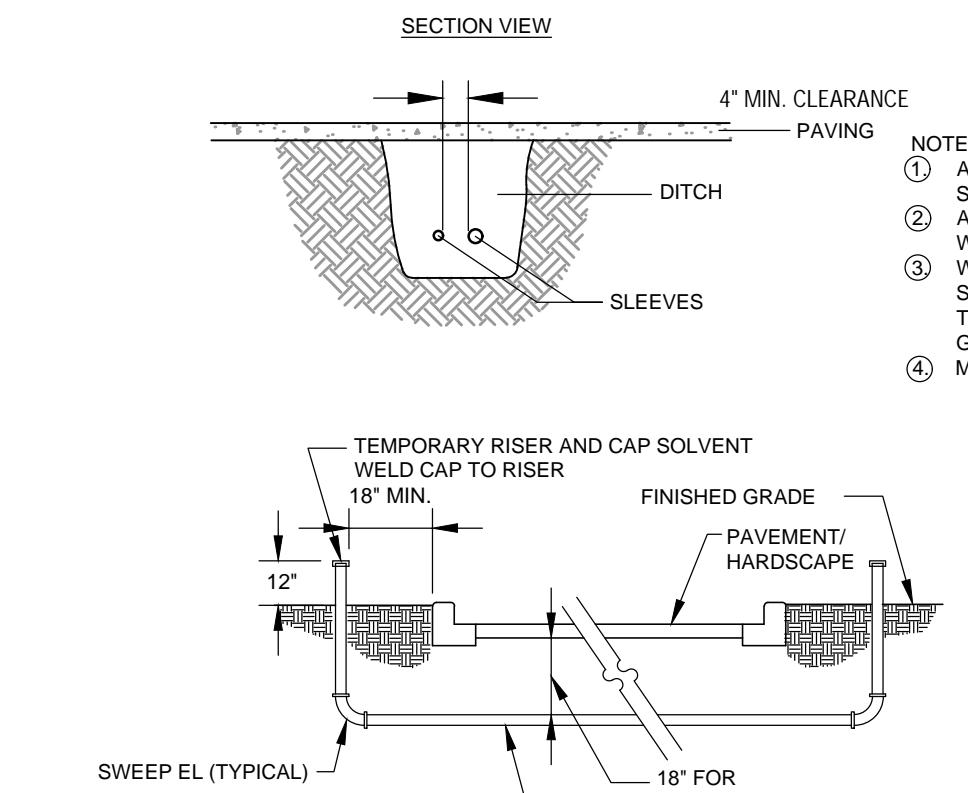
Pop-Up Spray Sprinkler 1812 with Swing Joint

Scale: N.T.S.



Pop-Up Spray Sprinkler 1804 with Swing Joint

Scale: N.T.S.



Sleeve Detail

B

Scale: N.T.S.

PVC PIPE SIZE	SOLVENT WELD SCH. 40 FITTINGS	BELL AND GASKET FITTINGS	SOCKETED PIPE
1/2"	2"	..	2"
3/4"	2"	..	2"
1"	2 1/2"	..	2 1/2"
1 1/4"	3"	..	3"
1 1/2"	3"	3"	3"
2"	4"	4"	4"
2 1/2"	6"	6"	6"
3"	6"	6"	6"
4"	8"	8"	8"

Sleeve Schedule

A

Scale: N.T.S.

LAKEPOINTE RING
ROAD

CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

IRRIGATION DETAILS

KHA PROJECT
06-608805
DATE: 9/11/2024
SCALE: AS SHOWN
DESIGNED BY: SvB
DRAWN BY: KOC
CHECKED BY: LMC

Kimley»Horn

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6160 WARREN PARKWAY, SUITE 210, FRISCO, TX 75034
PHONE: 972-335-3580
WWW.KIMLEY-HORN.COM
TEXAS REGISTERED ENGINEERING FIRM F-928

SHEET NUMBER
LI 3.01

CASE NUMBER: MIS2024-018

SITE PLAN SIGNATURE BLOCK:

APPROVED:
I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved by the Planning and Zoning Commission of the City of Rockwall on the ____ day of _____.
WITNESS OUR HANDS, this ____ day of _____.
Planning & Zoning Commission, Chairman Director of Planning and Zoning

"RECORD DRAWINGS"

To the best of our knowledge Kimley-Horn, hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.

12/18/2025 NIK ADAMS, P.L.A.
DATE: BY:

GENERAL IRRIGATION SPECIFICATIONS AND NOTES

A. EXTENT:
INCLUDES FURNISHING ALL LABOR, MATERIALS AND EQUIPMENT FOR THE PROPER INSTALLATION OF THE IRRIGATION SYSTEM. THE WORK INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING: (1) TRENCHING AND BACKFILL, (2) AUTOMATICALLY CONTROLLED LOW VOLUME IRRIGATION SYSTEM, (3) TEST ALL SYSTEMS AND MAKE OPERATIVE, (4) "AS-BUILT" DRAWINGS.

B. GENERAL:
1. PERMITS AND FEES: OBTAIN ALL PERMITS AND PAY REQUIRED FEES TO ANY GOVERNMENTAL AGENCY HAVING JURISDICTION OVER THE WORK. INSPECTIONS REQUIRED BY LOCAL ORDINANCES DURING THE COURSE OF CONSTRUCTION SHALL BE ARRANGED AS REQUIRED. ON COMPLETION OF THE WORK, SATISFACTORY EVIDENCE SHALL BE FURNISHED TO THE OWNER'S CONSTRUCTION REPRESENTATIVE TO SHOW THAT ALL WORK HAS BEEN INSTALLED IN ACCORDANCE WITH THE STATE AND LOCAL BUILDING PLUMBING CODE AND ALL OTHER CODE REQUIREMENTS.

2. APPROVAL: WHEREVER THE TERMS "APPROVE" OR "APPROVED" ARE USED IN THE SPECIFICATIONS, THEY SHALL MEAN THE APPROVAL OF THE OWNER'S CONSTRUCTION REPRESENTATIVE IN WRITING.

3. BEFORE ANY WORK IS STARTED, A CONFERENCE SHALL BE HELD BETWEEN THE CONTRACTOR AND THE OWNER'S CONSTRUCTION REPRESENTATIVE CONCERNING THE WORK UNDER THIS CONTRACT.

4. COORDINATION: COORDINATE AND COOPERATE WITH OTHER CONTRACTORS TO ENABLE THE WORK TO PROCEED AS RAPIDLY AND EFFICIENTLY AS POSSIBLE.

5. INSPECTION OF SITE:
A. CONTRACTOR SHALL ACQUAINT THEMSELVES WITH ALL SITE CONDITIONS. SUBMISSION OF THEIR PROPOSAL SHALL BE CONSIDERED EVIDENCE THAT THE EXAMINATION HAS BEEN CONDUCTED. SHOULD UTILITIES NOT SHOWN ON THE PLANS BE REQUIRED, THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE OWNER'S CONSTRUCTION REPRESENTATIVE FOR INSTRUCTIONS AS TO FURTHER ACTION. FAILURE TO DO SO WILL MAKE CONTRACTOR LIABLE FOR ANY AND ALL DAMAGE THERETO ARISING FROM HIS OPERATIONS SUBSEQUENT TO DISCOVERY OF SUCH UTILITIES NOT SHOWN IN PLANS.

B. CONTRACTOR SHALL MAKE NECESSARY ADJUSTMENTS IN THE LAYOUT AS MAY BE REQUIRED TO CONNECT TO EXISTING STUBOUTS. SHOULD SUCH STUBOUTS NOT BE LOCATED EXACTLY AS SHOWN, AND AS MAY BE REQUIRED TO WORK AROUND EXISTING WORK AT NO INCREASE IN COST TO THE OWNER'S CONSTRUCTION REPRESENTATIVE.

6. PROTECTION OF EXISTING PLANTS AND SITE CONDITIONS: THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT SITE CONDITIONS TO REMAIN. SHOULD DAMAGE BE INCURRED, THE CONTRACTOR SHALL REPAIR THE DAMAGE TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.

7. THE OWNER RESERVES THE RIGHT TO SUBSTITUTE, ADD, OR DELETE ANY MATERIAL, OR WORK AS THE WORK PROGRESSES. ADJUSTMENTS TO THE CONTRACT PRICE SHALL BE NEGOTIATED IF DEEMED NECESSARY BY THE OWNER ON A PER DIEM BASIS.

8. THE OWNER RESERVES THE RIGHT TO REJECT MATERIAL OR WORK WHICH DOES NOT CONFORM TO THE CONTRACT DOCUMENTS. REJECTED WORK SHALL BE REMOVED OR CORRECTED AT THE EARLIEST TIME POSSIBLE.

9. WORK SCHEDULE: WITHIN 10 DAYS AFTER APPROVING THE CONTRACT, THE CONTRACTOR SHALL SUBMIT TO THE OWNER A WORK SCHEDULE.

10. AS-BUILT IRRIGATION DRAWINGS: PREPARE AN AS-BUILT DRAWING ON A FULL-SCALE PLAN SET WHICH SHALL SHOW EXISTING AND THE BB DOCUMENTS MADE DURING CONSTRUCTION AFFECTING THE MAIN LINE AND THE CONTROLLER LOCATIONS. REMOTE CONTROL VALVES AND QUICK COUPLING VALVES, THE DRAWINGS SHALL ALSO INDICATE AND SHOW APPROVED SUBSTITUTIONS OF SIZE, MATERIAL AND MANUFACTURERS NAME AND CATALOG NAME AND CATALOG NUMBER. THE DRAWINGS SHALL BE DELIVERED TO THE TENANT'S CONSTRUCTION REPRESENTATIVE BEFORE FINAL ACCEPTANCE OF WORK.

11. FINAL ACCEPTANCE: FINAL ACCEPTANCE OF THE WORK MAY BE OBTAINED FROM THE OWNER'S CONSTRUCTION REPRESENTATIVE UPON THE SATISFACTORY COMPLETION OF ALL WORK.

12. GUARANTEE: ALL WORK SHALL BE GUARANTEED FOR ONE YEAR FROM DATE OF ACCEPTANCE AGAINST ALL DEFECTIVE MATERIAL, EQUIPMENT, AND WORKMANSHIP. GUARANTEE SHALL ALSO COVER REPAIR OF DAMAGE TO ANY PROPERTY OR PERSONS RESULTING FROM LEAKS OR OTHER DEFECTS IN MATERIAL, EQUIPMENT AND WORKMANSHIP TO THE SATISFACTION OF THE TENANT'S CONSTRUCTION REPRESENTATIVE. REPAIRS, IF REQUIRED, SHALL BE DONE PROMPTLY AT NO COST TO THE OWNER.

13. A LAMINATED PLAN (8 1/2 X 11) SHOWING THE DIFFERENT IRRIGATION ZONES IN COLOR, PREPARED BY THE IRRIGATION CONTRACTOR, SHALL BE POSTED IN THE MECHANICAL ROOM OR WITHIN CONTROLLER CABINET.

C. MATERIALS:
1. GENERAL: ALL MATERIALS THROUGHOUT THE SYSTEM SHALL BE NEW AND IN PERFECT CONDITION.
2. PLASTIC PIPING: ALL MAIN LINES AND LATERAL LINES SHALL BE CLASS 200 PVC VINYL CHLORIDE (PVC) PIPE AND SHALL COMPLY WITH ONE OF THE FOLLOWING STANDARDS: ASTM D-1785, ASTM D-2241, AWHA C-900, OR AWHA C-905. SDR-PR PIPE SHALL HAVE A MINIMUM WALL THICKNESS AS REQUIRED BY SDR-26. PVC GASKETS FITTINGS SHALL CONFORM TO ASTM F 319. GASKETS SHALL CONFORM TO ASTM F 47. SOLVENT-WELD PVC FITTINGS SHALL MEET THE REQUIREMENTS OF SCHEDULE 40 AS SET FORTH IN ASTM D 2468. THREADED PVC FITTINGS SHALL MEET THE REQUIREMENTS OF SCHEDULE 40 AS SET FORTH IN ASTM D-1784. CONFORMING TO ASTM D-2468 AND D-2241.

3. PLASTIC FITTINGS: ALL SOLVENT-WELD PVC FITTINGS SHALL MEET THE REQUIREMENTS OF SCHEDULE 40 AS SET FORTH IN ASTM D 2468. SCHEDULE 40 SOLVENT-WELD PVC VINYL CHLORIDE (PVC) STANDARD WEIGHT AS MANUFACTURED BY SLOANE, LACSO, OR APPROVED EQUAL.

4. SOLVENT CEMENT: PVC CEMENT SHALL MEET ASTM D 256 AND PVC CLEANSER-TYPE SHALL MEET ASTM F 656.

5. SPRINKLER HEAD RISERS: SCHEDULE 40 PVC FOR RISERS. PIPE SHALL BE CUT WITH A STANDARD PIPE CUTTING TOOL WITH A CARBON TIP. THE PIPING TIPS AND CLEAN ALL ROUGH EDGES OR BURRS. CUT ALL THREADS ACCURATELY WITH SHARP Dies. NOT MORE THAN THREE(S) FULL THREADS SHALL SHOW BEYOND FITTINGS WHEN PIPE IS MADE UP. ASSEMBLIES SHALL BE AS DETAILED.

6. AUTOMATIC CONTROLLER: SEE LEGEND

7. REMOTE CONTROL VALVES: SEE LEGEND

8. CONTROL WIRING: CONVENTIONAL SYSTEMS TO USE 24 VOLT SOLID UL APPROVED FOR DIRECT BURIAL IN GROUND. MINIMUM WIRE SIZE: 14 GAUGE. ALL SPICES SHALL BE MADE WITHIN VALVE BOX. TWO-WIRE SYSTEMS TO UTILIZE CONTROL WIRING PER MANUFACTURER STANDARDS.

9. SLEEVES FOR CONTROL WIRING: UNDER ALL WALKS AND PAVED AREAS AND WHERE INDICATED ON DRAWINGS. MINIMUM PVC SCHEDULE 40 PLASTIC PIPE.

10. SPRINKLER HEADS/ DRIP LINE: SEE LEGEND

11. QUICK COUPLING VALVES: SHALL BE NOTED ON DRAWINGS.

D. WORKMANSHIP:
1. LAY OUT WORK AS ACCURATELY AS POSSIBLE TO THE DRAWINGS. THE DRAWINGS, THOUGH CAREFULLY DRAWN, ARE GENERALLY DIAGRAMMATIC TO THE EXTENT THAT SWING JOINTS, OFFSETS, AND ALL FITTINGS ARE NOT SHOWN.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULL AND COMPLETE COVERAGE OF ALL IRRIGATED AREAS AND SHALL MAKE ANY NECESSARY MINOR ADJUSTMENTS AT NO ADDITIONAL COST TO THE OWNER'S CONSTRUCTION REPRESENTATIVE.

3. ANY MAJOR REVISIONS TO THE IRRIGATION SYSTEM MUST BE SUBMITTED AND ANSWERED IN WRITTEN FORM, ALONG WITH ANY CHANGE IN CONTRACT PRICE.

E. INSTALLATION:
1. EXCAVATION AND TRENCHING:
A. PERFORM ALL EXCAVATIONS AS REQUIRED FOR THE INSTALLATION OF THE WORK INCLUDING UNDER THIS SECTION, INCLUDING SHORING OF EARTH BANKS TO PREVENT CAVE-INS. RESTORE ALL SURFACES, EXISTING UNDERGROUND INSTALLATIONS, ETC., DAMAGED OR CUT AS A RESULT OF THE EXCAVATIONS TO AND IN A MANNER APPROVED BY THE OWNER.

B. TRENCHES SHALL BE MADE WIDE ENOUGH TO ALLOW A MINIMUM OF 6 INCHES BETWEEN PARALLEL PIPE LINES. TRENCHES FOR PIPE LINES SHALL BE MADE OF SUFFICIENT DEPTHS TO PROVIDE THE MINIMUM COVER FROM FINISH GRADE AS FOLLOWS:

2) MINIMUM COVER OVER IRRIGATION LINES TO HEADS/ DRIPLINE EXCEPT VEHICLE TRAFFIC AREAS ARE AS FOLLOWS:
12" COVER OVER LATERALS
18" COVER OVER MAINLINE

C. MAINTAIN ALL WARNING SIGNS, SHORING, BARRICADES, FLARES AND RED LANTERNS AS REQUIRED BY THE SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY AND LOCAL ORDINANCES.

2. PIPE LINE ASSEMBLY:
A. INSTALL REMOTE CONTROL VALVES WHERE SHOWN AND GROUP TOGETHER WHERE PRACTICAL. PLACE NO CLOSER THAN 12-INCHES TO WALK EDGES, WALLS, AND OTHER PAVEMENTS. PLACE A MINIMUM OF 24' FROM BUILDINGS.

B. PLASTIC PIPE AND FITTINGS SHALL BE SOLVENT WELDED USING SOLVENTS AND METHODS RECOMMENDED BY MANUFACTURER OF THE PIPE, EXCEPT WHERE SCREWED CONNECTIONS ARE REQUIRED. PIPE AND FITTINGS SHALL BE THOROUGHLY CLEANED OF DIRT, DUST AND MOISTURE BEFORE APPLYING SOLVENT WITH A NON-SYNTHETIC BRISTLE BRUSH.

C. PIPE ASSEMBLIES SHALL BE ASSEMBLED AND WELDED ON THE SURFACE. SNAKE PIPE FROM SIDE TO SIDE OF TRENCH BOTTOM TO ALLOW FOR EXPANSION AND CONTRACTION.

D. MAKE ALL CONNECTIONS BETWEEN PLASTIC PIPE AND METAL VALVES OR STEEL PIPE WITH THREADED FITTINGS USING PLASTIC MALE ADAPTERS.

E. JOINTS:
1. PIPE SIZES 2 1/2 INCH OR SMALLER SHALL HAVE BELL AND SOCKET JOINTS.
2. PIPE SIZES LARGER THAN 2 1/2 INCH SHALL HAVE SNAP CONNECTIONS WITH RUBBER GASKET JOINTS.
3. THRUST BLOCKING SHALL BE REQUIRED WHEN PIPE SIZE IS 4" OR GREATER.

3. SPRINKLER HEADS/ DRIPLINE:
A. INSTALL ALL SPRINKLERS/ DRIPLINE AS DETAILED ON DRAWINGS.
B. DO NOT SCALE PLANS FOR EXACT HEAD LOCATION.

4. CLOSING OF PIPE AND FLUSHING LINES:
A. CAP OR PLUG ALL OPENINGS AS SOON AS LINES HAVE BEEN INSTALLED TO PREVENT THE ENTRANCE OF MATERIALS THAT WOULD OBSTRUCT THE PIPE. LEAVE IN PLACE UNTIL REMOVAL IS NECESSARY FOR COMPLETION OF IRRIGATION.

B. THOROUGHLY FLUSH OUT ALL WATER LINES BEFORE INSTALLING HEADS, DRIPLINE, VALVES AND OTHER HYDRANTS.

C. TEST IN ACCORDANCE WITH PARAGRAPH ON HYDROSTATIC TESTS.

D. UPON COMPLETION OF THE TESTING, THE CONTRACTOR SHALL COMPLETE ASSEMBLY AND ADJUST SPRINKLER HEADS FOR PROPER DISTRIBUTION.

5. INSPECTIONS:
A. SPRINKLER DRIPLINE LAYOUT AND SPACING INSPECTION. VERIFICATION THAT THE IRRIGATION DESIGN IS ACCURATELY INSTALLED IN THE FIELD. IT WILL ALSO PROVIDE FOR ALTERATION OR MODIFICATION OF THE SYSTEM TO MEET FIELD CONDITIONS. SPACING SHOULD BE WITHIN 5% OF THE DESIGN SPACING.

B. PIPE INSTALLATION DEPTH INSPECTION: ALL PIPES IN THE SYSTEM SHALL BE INSTALLED TO DEPTHS AS PREVIOUSLY DESCRIBED IN SECTION 'E' OF THESE SPECIFICATIONS.

C. OPEN TRENCH INSPECTION: THE TRENCH AND ALL JOINTS AND EVERY TRANSITION IN PIPE SIZE, WILL BE OPEN WHERE OPEN TRENCH INSPECTION IS REQUIRED.

D. INSPECTIONS WILL BE PERFORMED THROUGHOUT THE DURATION OF THE INSTALLATION. INSPECTION MAY BE MADE BY THE GOVERNING AGENCY/ OWNER TO ENSURE COMPLIANCE WITH DESIGN INTENT, SPECIFICATIONS, AND THE IRRIGATION CODES.

6. HYDROSTATIC TESTS:
A. REQUEST THE PRESENCE OF THE OWNER AND/ OR OWNERS REPRESENTATIVE IN WRITING AT LEAST 48 HOURS IN ADVANCE OF TESTING.
B. TESTING TO BE ACCOMPLISHED AT THE EXPENSE OF THE CONTRACTOR AND IN THE PRESENCE OF THE OWNER.

C. CENTER LOAD PIPING WITH SMALL AMOUNT OF BACKFILL TO PREVENT ARCHING OR SLIPPING UNDER PRESSURE.

D. APPLYING A CONTINUOUS AND STATIC WATER PRESSURE OF 125 PSI WHEN WELDED PLASTIC JOINTS HAVE CURED AT LEAST 3 HOURS AND WITH THE RISERS CAPED AS FOLLOWS:
1) MAIN LINES AND SUBMANIFOLDS TO BE TESTED
FOR 2 HOURS.
2) NO PRESSURE LOSS IS ALLOWED FOR SOLVENT WELD MAINLINE/ PIPE.

E. FOR PVC OR O-RING GASKET PIPE THE ALLOWABLE LEAKAGE SHALL NOT EXCEED THE NUMBER OF GALLONS PER HOUR AS DETERMINED BY THE FOLLOWING FORMULA:
$$L = \frac{P^2}{14400} \times 60$$

IN WHICH:
L= ALLOWABLE LEAKAGE, IN GALLONS PER HOUR
N= NUMBER OF JOINTS
D= PIPE DIAMETER IN INCHES
P= AVERAGE TEST PRESSURE IN PSI GAUGE

F. REPAIR LEAKS RESULTING FROM TESTS.

7. AUTOMATIC CONTROLLERS:
A. CONNECT REMOTE CONTROL VALVES TO CONTROLLER IN A CLOCKWISE SEQUENCE TO CORRESPOND WITH STATION SETTING BEGINNING WITH STATIONS 1, 2, 3, ETC.

8. AUTOMATIC CONTROL WIRING:
A. INSTALL CONTROL WIRING, SPRINKLER MAINS AND LATERALS IN COMMON TRENCHES WHEREVER POSSIBLE.

B. INSTALL CONTROL WIRES AT LEAST 18" BELOW FINISHED GRADE AND SNAKE WIRE SIDE TO SIDE IN TRENCHES. THE WIRE SHALL BE SHIELDED WITHIN THREE (3) FEET OF EACH WIRE CONNECTION TO SOLENOID AND AT LEAST ONE THIRTY THREE HUNDRED (300) FEET IN LENGTH. (EXPANSION CURLS ARE FORMED BY WRAPPING AT LEAST FIVE (5) TURNS OF WIRE AROUND A ROD OR PIPE 1" OR MORE IN DIAMETER, THEN WITHDRAWING THE ROD).

C. CONTROL WIRE SPLICES WILL BE ALLOWED ONLY RUNS OVER 1000 FT. CONNECTIONS SHALL BE IN VALVE BOX AND LOCATION TO BE SHOWN ON AS-BUILT PLANS.

D. ALL WIRING PASSING UNDER EXISTING OR FUTURE PAVING, CONSTRUCTION, ETC., SHALL BE ENCASED IN PLASTIC OR GALVANIZED STEEL CONDUIT EXTENDING AT LEAST 24" BEYOND EDGES OF PAVING OR CONSTRUCTION.

E. CONTRACTOR SHALL RUN TWO SPARE WIRES IN EACH DIRECTION FROM CONTROLLER TO FARDEST VALVE TO SERVE AS BACKUP WIRES.

9. BACKFILL AND COMPACTING:
A. AFTER SYSTEM IS OPERATED AND INSPECTED, BACKFILL THE TRENCHES WITH CLEAN SOIL, FREE OF RUBBISH, INITIAL BACKFILL MATERIAL TO 6 INCHES ABOVE THE TOP OF PIPE SHALL BE FREE OF ROCKS OR STONES LARGER THAN ONE INCH IN DIAMETER. FINAL BACKFILL MATERIAL SHALL BE FREE OF ROCKS OR STONES LARGER THAN 3 INCHES IN DIAMETER.

B. BACKFILL FOR ALL TRENCHES, REGARDLESS OF THE TYPE OF PIPE COVERED, SHALL BE COMPACTED TO MINIMUM 90% DENSITY.

C. COMPACT TRENCHES IN AREAS TO BE PLANTED BY THOROUGHLY FLOODING THE BACKFILL, JETTING PROCESS MAY BE USED IN THOSE AREAS.

D. DRESS OFF ALL AREAS TO FINISH GRADES.

10. PROTECTIVE RADIUS OF EXISTING TREES:
A. AN AUGER IS TO BE USED TO TUNNEL UNDER EXISTING TREES IF IRRIGATION IS INSTALLED WITHIN THE PROTECTIVE RADIUS OF EXISTING TREES AND ONLY IF THERE IS NO OTHER OPTION OR TO DO SO CREATES AN UNREASONABLE HARSHSHIP.

11. CLEAN-UP:
1. REMOVE FROM THE SITE ALL DEBRIS RESULTING FROM WORK OF THIS SECTION.

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
Q H F	Rain Bird 1804 5 Series MPR Turf Spray 4.0in. Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2in. NPT Female Threaded Inlet.	11
Q T H F	Rain Bird 1804 8 Series MPR Turf Spray 4.0in. Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2in. NPT Female Threaded Inlet.	33
Q T H F	Rain Bird 1804 10 Series MPR Turf Spray 4.0in. Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2in. NPT Female Threaded Inlet.	174
Q T H F	Rain Bird 1804 12 Series MPR Turf Spray 4.0in. Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2in. NPT Female Threaded Inlet.	99
Q T H F	Rain Bird 1804 15 Series MPR Turf Spray 4.0in. Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2in. NPT Female Threaded Inlet.	290
Q H F	Rain Bird 1812 5 Series MPR Shrub Spray 12in. Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2in. NPT Female Threaded Inlet.	13
Q T H F	Rain Bird 1812 8 Series MPR Shrub Spray 12in. Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2in. NPT Female Threaded Inlet.	73
Q T H F	Rain Bird 1812 10 Series MPR Shrub Spray 12in. Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2in. NPT Female Threaded Inlet.	54
25 50 10 20	Toro 5705-FB-PC Pressure-Compensating Flood Bubble Nozzle. 0.25 GPM and 0.5 GPM.	114
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Rain Bird PESB 1in., 1-1/2in. Plastic Industrial Remote Control Valve. Low Flow Operating Capability, Globe Configuration. With Scrubber Technology for Reliable Performance in Dirty Water Irrigation Applications.	37
	Isolation Valve	1
	Febco 850 2" Existing Double Check Backflow prevention.	1
	Point of Connection 2" Existing POC to tie into mainline.	1
	Irrigation Lateral Line: PVC Class 200 SDR 21	11,943 ft.
	Irrigation Mainline: PVC Class 200 SDR 21	3,390 ft.
	Pipe Sleeve: PVC Schedule 40	1,517 ft.
	Valve Callout	
	Valve Number # Valve Flow # Valve Size	

THIS IRRIGATION PLAN IS DESIGNED TO THE FOLLOWING STANDARDS: 65 PSI AND 75 GPM. IF WATER PRESSURE DOES NOT MEET DESIGN SPECIFICATIONS, A BOOSTER PUMP WILL BE REQUIRED AT COST OF CONTRACTOR. CONTACT LANDSCAPE ARCHITECT PRIOR TO INSTALLATION IF SYSTEM HAS +/- 5 PSI THAN DESIGN PRESSURE.

ABOVE QUANTITIES PROVIDED FOR CONVENIENCE ONLY. CONTRACTOR TO CONFIRM ALL QUANTITIES PRIOR TO BIDDING.

EXISTING IRRIGATION NOTES

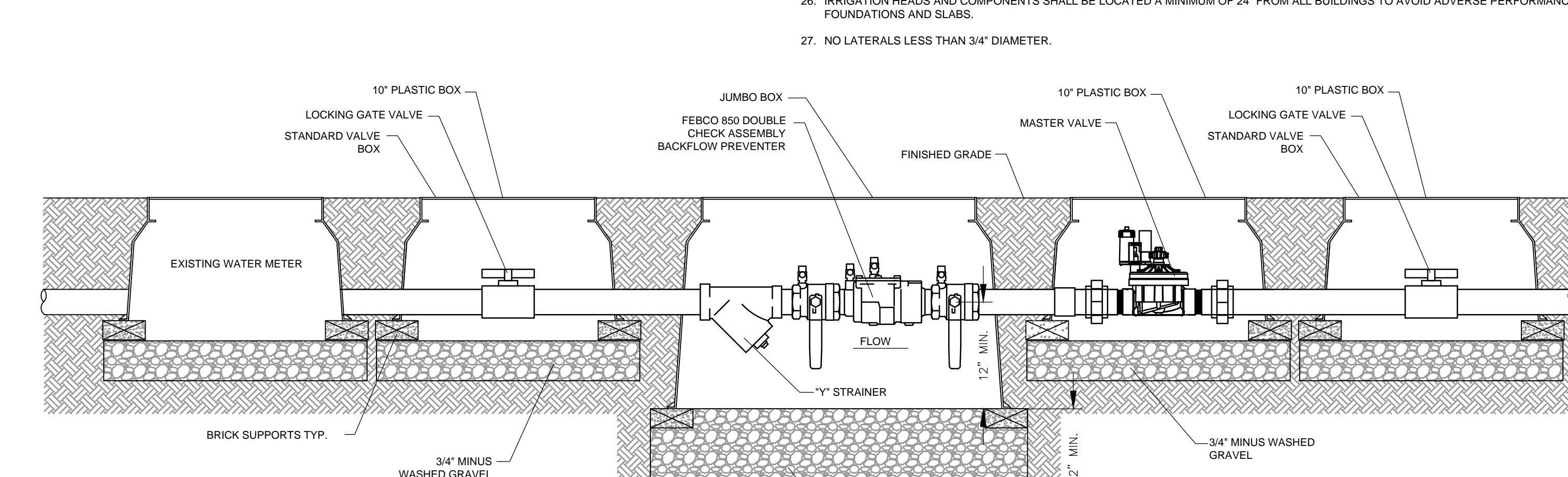
1. CONTRACTOR TO CONFIRM EXISTING SYSTEM SOURCE AND BACKFLOW ARE FULLY OPERATIONAL.
2. CONTRACTOR TO CONFIRM EXISTING BACKFLOW IS TO SERVE IRRIGATION SYSTEM ONLY. EXISTING BACKFLOW MUST BE PLACED ON IRRIGATION SERVICE LINE TO PREVENT ANY POSSIBILITY OF BACKFLOW FROM BEING DIRECTED INTO THE BUILDING. IF THE EXISTING BACKFLOW IS NOT A DEDICATED IRRIGATION BACKFLOW, CONTRACTOR IS TO INSTALL A NEW BACKFLOW SIZE ACCORDING TO METER SIZE.
3. CONFIRM EXISTING CONTROLLER ZONE AVAILABILITY. IF CONTROLLER CANNOT HANDLE PROPOSED ZONES, CONTACT IRRIGATION DESIGNER IMMEDIATELY.
4. CAP EXISTING LINES WHERE NECESSARY FOR CONSTRUCTION.
5. MAINLINE APPROXIMATE LOCATION AS SHOWN. CONTRACTOR TO LOCATE EXACT LOCATION AND UTILIZE. PROTECT MAINLINE IN PLACE DURING CONSTRUCTION. CAP EXISTING MAINLINE AND LEAVE IN PLACE WHERE NECESSARY.
6. DO NOT TRENCH UNDER EXISTING TREES. HAND TRENCH LATERALLY TO INSTALL HEADS, DRIP, ETC.
7. ALL PROPOSED IRRIGATION TO MATCH EXISTING PRECIPITATION RATES, IF ZONES ARE COMBINED WITH EXISTING ZONES, NO DRIP AND HEADS TO BE ON SAME ZONES.
8. ALL EXISTING IRRIGATION SHOWN TO REMAIN SHOULD BE PROTECTED DURING CONSTRUCTION. CONTRACTOR TO CONFIRM 100% COVERAGE ON EXISTING AND MODIFY IF NEEDED.
9. MODIFY ZONES PER REVISED CHANGES. CAP LINES WHERE NECESSARY. ADD HEADS AS NEEDED. REPLACE HEADS/NOZZLES TO PROVIDE FULL COVERAGE.
10. DO NOT REMOVE EXISTING SLEEVES LINED UNDER PAVEMENT UNLESS SPECIFIED.
11. CONTRACTOR TO NUMBER EXISTING VALVES AND PROPOSED VALVES IN NUMERICAL ORDER STARTING FROM THE METER AND GOING IN A CLOCKWISE CIRCLE.
12. CONTRACTOR TO FIELD INVESTIGATE EXISTING CONDITIONS TO LOCATE EXISTING IRRIGATION LATERAL LINES AND RE-PURPOSE FOR NEW IRRIGATION IN THE LANDSCAPE ISLAND.

Kimley-Horn
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TEXAS REGISTERED ENGINEERING FIRM F-928

KHA PROJECT 06-608805
DATE 9/11/2024
SCALE: AS SHOWN
DESIGNED BY: SvB
DRAWN BY: SvB
CHECKED BY: LMC

IRRIGATION NOTES & SPECIFICATIONS

LAKEPOINTE RING ROAD
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS



Existing Double Check Assembly Backflow Preventer

A

Scale: N.T.S.

LI 3.02

CASE NUMBER: MIS2024-018