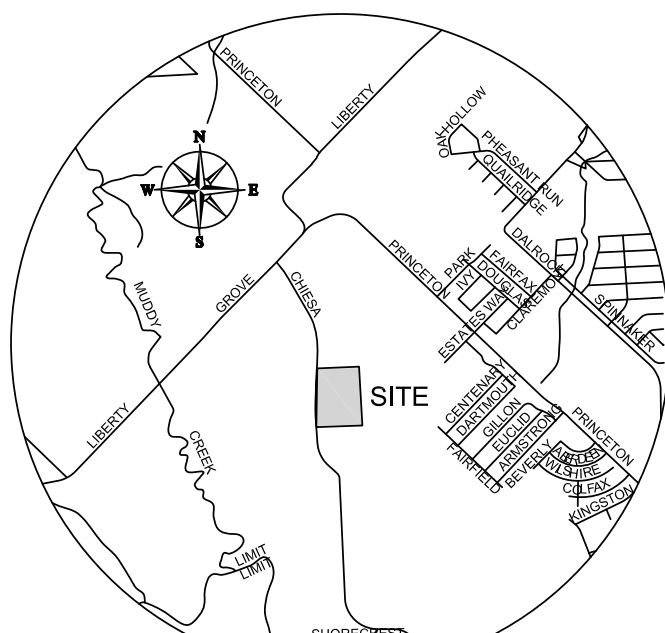


Matchline - Ref.: 01/LI 1.02

Matchline - Ref.: 01/LI 1.03



VICINITY MAP
NOT TO SCALE
MAPSCO: 20A-Q

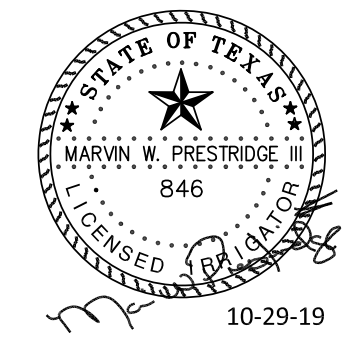


SOUTH COLLIAD STREET
(FORMER SOUTH COLLIAD ROAD)

01

LANDSCAPE IRRIGATION

SCALE: 1" = 30'-0"



LANDSCAPE IRRIGATION PLAN
The Standard
Collard & Justin Rd.
Rockwall, Texas

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2017/04/18	Revisions
No.	Date

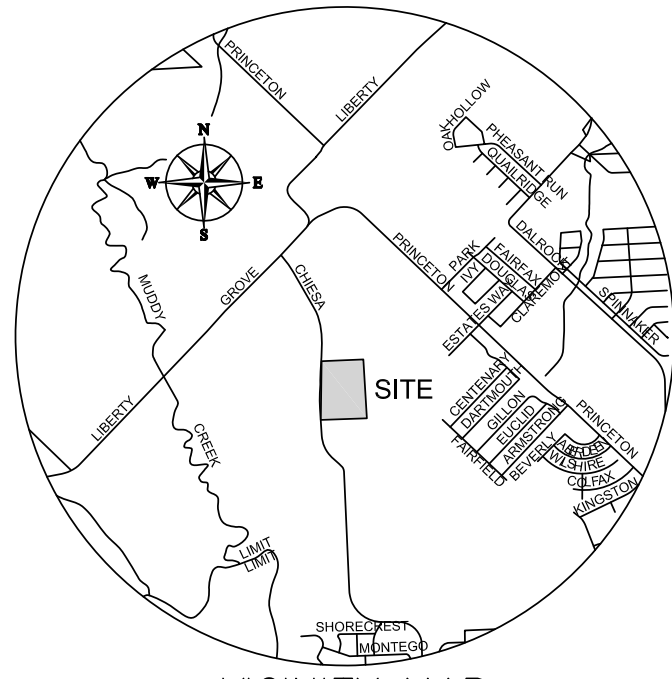


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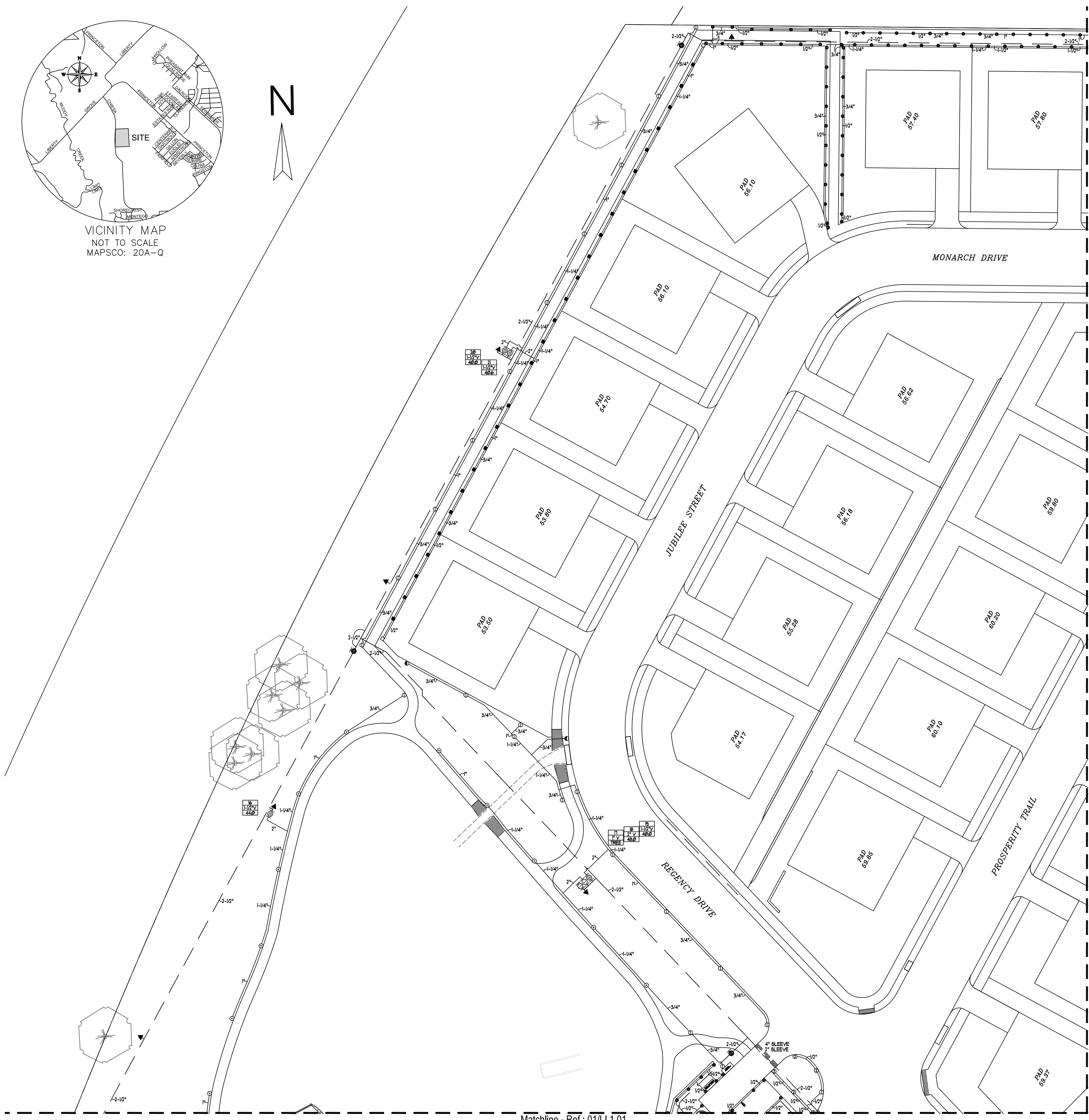
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Marvin Prestridge U 846 Steve Heidman LI 5148

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LI 1.01



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MAPSCO: 20A-0



Matchline - Ref.: 01/L1 1.01

Matchline - Ref.: 01/L1 1.03

01 LANDSCAPE IRRIGATION
SCALE: 1" = 30'-0"

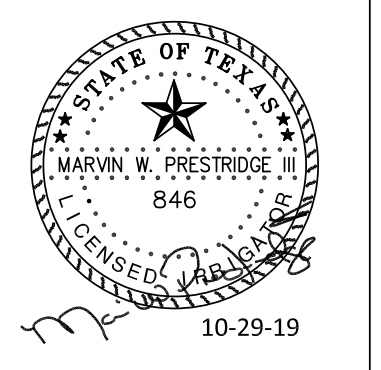
NOTES:

- ALL 24 VOLT LEAD AND COMMON VALVE WIRING SHALL BE A MINIMUM OF UF-14 GA. SINGLE CONDUCTOR REFER TO MANUFACTURER'S RECOMMENDATIONS FOR PROPER WIRE SIZE. WIRE SPLICES SHALL BE KING ONE-STEP #1 (TAN) OR 3M-DBY PERMANENT AND WATERPROOF PER THE SPECIFICATIONS.
- COORDINATE INSTALLATION OF IRRIGATION SYSTEM WITH LANDSCAPE CONTRACTOR TO ENSURE ALL PLANT MATERIAL WILL BE WATERED IN ACCORDANCE WITH THE INTENT OF THE PLANS AND SPECIFICATIONS.
- LATERAL PIPING SHALL HAVE A MINIMUM OF 12" OF COVER. MAINLINE AND PIPING UNDER PAVING SHALL HAVE A MINIMUM OF 18" OF COVER. USE WELD-ON #105 SOLVENT AND #F-68 PRIMER FOR PVC CONNECTIONS PER THE SPECIFICATIONS.
- PIPING AND VALVES IN PAVING SHOWN FOR CLARITY. INSTALL IN ADJACENT PLANTING BED OR LAWN AREA.
- THIS PROJECT WILL NOT ALLOW ANY PVC PUSH FITTINGS, NO SOLVENT PVC FITTINGS, FLEXIBLE PVC COUPLINGS, ETC.
- CONNECT LAWN AND HIGH-POP SPRAY HEADS TO LATERAL PIPING WITH 1/2" FLEXIBLE PVC AND 1/2" SCHEDULE 80 PVC FITTINGS AS REQUIRED. PER DETAIL SHOWN. USE WELD-ON #105 SOLVENT AND #F-68 PRIMER ON THESE CONNECTIONS PER THE SPECIFICATIONS.
- CONNECT ROTARY HEADS TO LATERAL PIPE WITH LASCO "UNITIZED", O-RING SWING JOINTS PER DETAIL SHOWN, #T122-212.
- INSTALL QUICK COUPLING VALVES IN TWELVE BY SEVENTEEN (12"x17") INCH HIGHLINE (FENTEK) VALVE BOX PER DETAIL SHOWN. CONNECT QUICK COUPLING VALVES TO MAINLINE PIPE WITH LASCO "UNITIZED", O-RING SWING JOINTS PER DETAIL SHOWN. #T122-212 SUPPLY QUERS WITH THREE (3) COUPLER KEYS WITH SUIVEL HOSE BIBS EACH. #33DK-10 AND #34-0 RESPECTIVELY. VALVES TO BE INSTALLED SO THAT TOP OF QUICK COUPLER IS 2" BELOW BOTTOM OF VALVE BOX TOP. PURPLE LID READS "NON-POTABLE, NOT SAFE FOR DRINKING" IN ENGLISH AND SPANISH.
- INSTALL REMOTE CONTROL VALVES IN TEN (10") INCH ROUND HIGHLINE (FENTEK) VALVE BOXES PER DETAIL SHOWN.
- INSTALL ALL WIRE SPLICES IN TEN (10") INCH ROUND HIGHLINE (FENTEK) VALVE BOXES.
- PERFORM ELECTRICAL WORK IN ACCORDANCE WITH LOCAL BUILDING CODE. POWER (120V) SHALL BE LOCATED IN A JUNCTION BOX AND HARDWIRED WITHIN FIVE (5') FEET OF CONTROLLER LOCATION BY OTHER TRADES.
- SLEEVES SHALL BE CLASS 200 PVC, SIZED AS NOTED ON PLANS AND INSTALLED BY OTHER TRADES.
- ROUTE COMMON WIRE FROM CONTROLLER TO REMOTE SENSORS IN SERIES PRIOR TO CONNECTING TO REMOTE CONTROL VALVES.
- CONTRACTOR TO INSTALL AND ADJUST VAN SERIES NOZZLES FOR SITUATIONS THAT REQUIRE LESS THAN 90° DEGREE RADIUS SPRAY.
- TEN DAYS PRIOR TO START OF CONSTRUCTION, VERIFY STATIC PRESSURE. IF STATIC PRESSURE IS LESS THAN 65.0 PSI, DO NOT START WORK UNTIL NOTIFIED TO PROCEED BY OWNER. DESIGN PRESSURE IS 50.0 PSI.
- MINIMUM DISTANCE BETWEEN MAIN LINE AND LATERAL LINE FITTINGS (EXCEPT FOR REDUCER BUSHINGS) TO BE 18".
- MINIMUM HORIZONTAL DISTANCE OF 36" TO BE MAINTAINED BETWEEN ANY VALVES THAT ARE INSTALLED SIDE BY SIDE.
- WHERE SERVICE TEES ARE INSTALLED IN THE MAINLINE FOR INSTALLATION OF THE ELECTRIC VALVES AND/OR QUICK COUPLING VALVES CONTRACTOR TO LIMIT THE NUMBER OF THESE PER SERVICE TEE. DO NOT INSTALL MORE THAN A TOTAL OF EITHER THREE ELECTRIC VALVES OR A COMBINATION OF TWO ELECTRIC VALVES AND ONE QUICK COUPLER VALVE AT EACH TEE. THE MINIMUM DISTANCE BETWEEN FITTINGS TO BE 18" INCHES AS REFERENCED IN NOTE #6 AND #11.
- LANDSCAPE IRRIGATION CONTRACTOR (I.I.C.) TO STAKE TREE BUBBLER HEAD LOCATIONS AND RECEIVE APPROVAL FROM OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- ALL STATE OF TEXAS LAWS/RULES AND ALL LOCAL CODES/ORDINANCES ARE MADE PART OF THESE PLANS AND SPECIFICATIONS WHETHER SHOWN OR NOT. THESE LAWS AND ORDINANCES WILL SUPERCEDE THE PLANS, DETAILS, AND/OR SPECIFICATIONS FOR THIS PROJECT. CONTRACTOR IS CAUTIONED THAT HE IS TO INCLUDE ANY AND ALL COST NECESSARY TO MEET OR EXCEED THE LAWS OF THE STATE OF TEXAS OR LOCAL CODES CONCERNING LANDSCAPE IRRIGATION.
- A LICENSED IRRIGATOR OR LICENSED IRRIGATION TECHNICIAN SHALL BE ON-SITE AT ALL TIMES WHILE THE LANDSCAPE IRRIGATION SYSTEM IS BEING INSTALLED PER CITY OF ROCKWALL REQUIREMENTS.

IRRIGATION LEGEND:

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL NO.
●	LAWN SPRAY HEAD	RAINBIRD (30 PSI)	1804 WITH 15F, 15H, OR 15Q MFR PLASTIC NOZZLES UNLESS NOTED OTHERWISE
○	LAWN SPRAY HEAD	RAINBIRD (40 PSI)	1804-FR8 WITH MP1000 ROTATOR NOZZLE UNLESS NOTED OTHERWISE
⊙	LAWN SPRAY HEAD	RAINBIRD (40 PSI)	1804-FR8 WITH MP2000 ROTATOR NOZZLES UNLESS NOTED OTHERWISE
⊚	LAWN SPRAY HEAD	RAINBIRD (40 PSI)	1804-FR8 WITH MP3000 ROTATOR NOZZLES UNLESS NOTED OTHERWISE
⊘	HIGH-POP SPRAY HEAD	RAINBIRD (30 PSI)	1812 WITH 15F, 15H, OR 15Q MFR PLASTIC NOZZLES UNLESS NOTED OTHERWISE
⊕	BUBBLER HEAD	RAINBIRD (30 PSI)	#1402 NOZZLE ON 1/2" FLEX PVC UNLESS OTHERWISE NOTED
⊖	BUBBLER HEAD	RAINBIRD (30 PSI)	#1404 NOZZLE ON 1/2" FLEX PVC UNLESS OTHERWISE NOTED
■	LAWN SIDE STRIP HEAD	RAINBIRD (30 PSI)	1804 W/ #556T NOZZLE
□	LAWN END STRIP HEAD	RAINBIRD (30 PSI)	1804 W/ #556T NOZZLE
⊙	SMALL ROTARY PART-CIRCLE	HUNTER (40 PSI)	FGP-04 ULTRA W/ #120 NOZZLE ON 3/4" LASCO SWING JOINT UNLESS OTHERWISE NOTED
⊚	SMALL ROTARY FULL-CIRCLE	HUNTER (40 PSI)	FGP-04 ULTRA W/ #140 NOZZLE ON 3/4" LASCO SWING JOINT UNLESS OTHERWISE NOTED
⊕	ROTARY PART-CIRCLE	HUNTER (40 PSI)	FGP-04 ULTRA W/ #120 NOZZLE ON 3/4" LASCO SWING JOINT UNLESS OTHERWISE NOTED
⊖	ROTARY FULL-CIRCLE	HUNTER (40 PSI)	FGP-04 ULTRA W/ #140 NOZZLE ON 3/4" LASCO SWING JOINT UNLESS OTHERWISE NOTED
▲	QUICK COUPLING VALVE	RAINBIRD	#33-DNP WITH SPEARS BALL VALVE, PURPLE LID READS "RECLAIMED WATER, DO NOT DRINK" IN ENGLISH AND "NO TOME" IN SPANISH.
⊕	REMOTE CONTROL VALVE	RAINBIRD	FEB SERIES WITH FRS-D PRESSURE REGULATOR. REFER TO PLANS FOR SIZE
⊖	BALL VALVE	SPEARS	SPEARS COMPACT BALL VALVE, LINE SIZE (PRESSURE RATED TO 235 P.S.I.) (SCHEDULE 40 OR UTILITY BALL VALVES ARE NOT ACCEPTABLE)
●	GATE VALVE (3" AND SMALLER)	NIBCO	#T1-8, LINE SIZE
■	CONTROLLER	RAINBIRD	E9P-LXM SERIES WITH WIRED RAIN / FREEZE SENSOR
—	MAINLINE PIPING	REFER TO SPEC.	CLASS 200 PVC
—	LATERAL PIPING	REFER TO SPEC.	3/4" & LARGER - CLASS 200 PVC 1/2" - CLASS 315 PVC
⊕	WATER METER	REFER TO SPEC.	PER LOCAL BUILDING CODE
⊙	ISOLATION VALVE	NIBCO	#T1-8, REFER TO PLAN FOR SIZE
⊚	WYE STRAINER	FEBCO	#550, REFER TO PLAN FOR SIZE
⊕	BACKFLOW PREVENTER (DCA)	FEBCO	#550BV, REFER TO PLAN FOR SIZE
⊖	MASTER VALVE	RAINBIRD	FEB SERIES, REFER TO PLAN FOR SIZE
□	STATION NUMBER VALVE SIZE GPM (APPROX.)		

JCL
J. CAMILLE LA FOY
LANDSCAPE ARCHITECTURE CONSULTING
1010 NORTH GREENVILLE AVENUE, SUITE 200
ALLEN, TEXAS 75015
PH: 972.311.7000



LANDSCAPE IRRIGATION PLAN
The Standard
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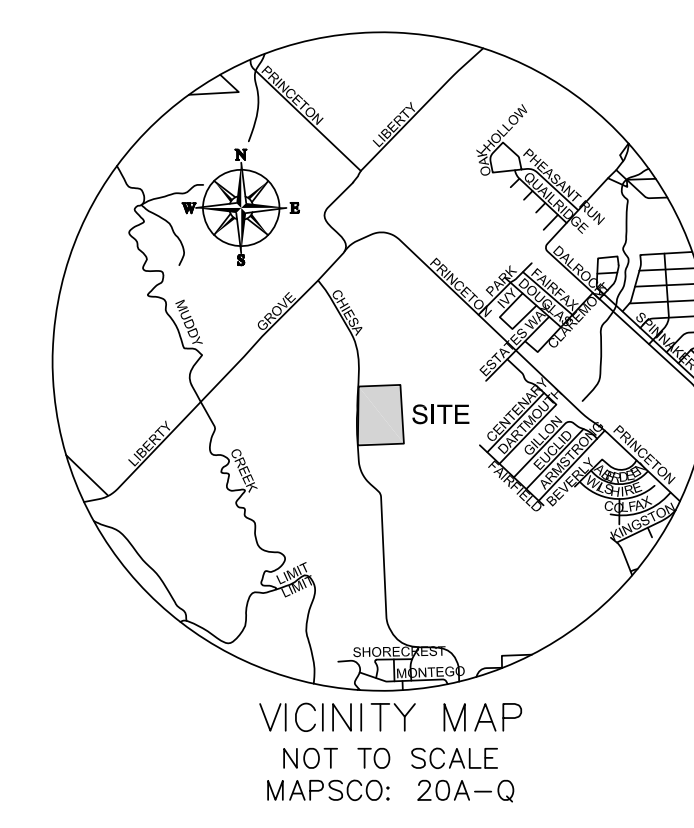
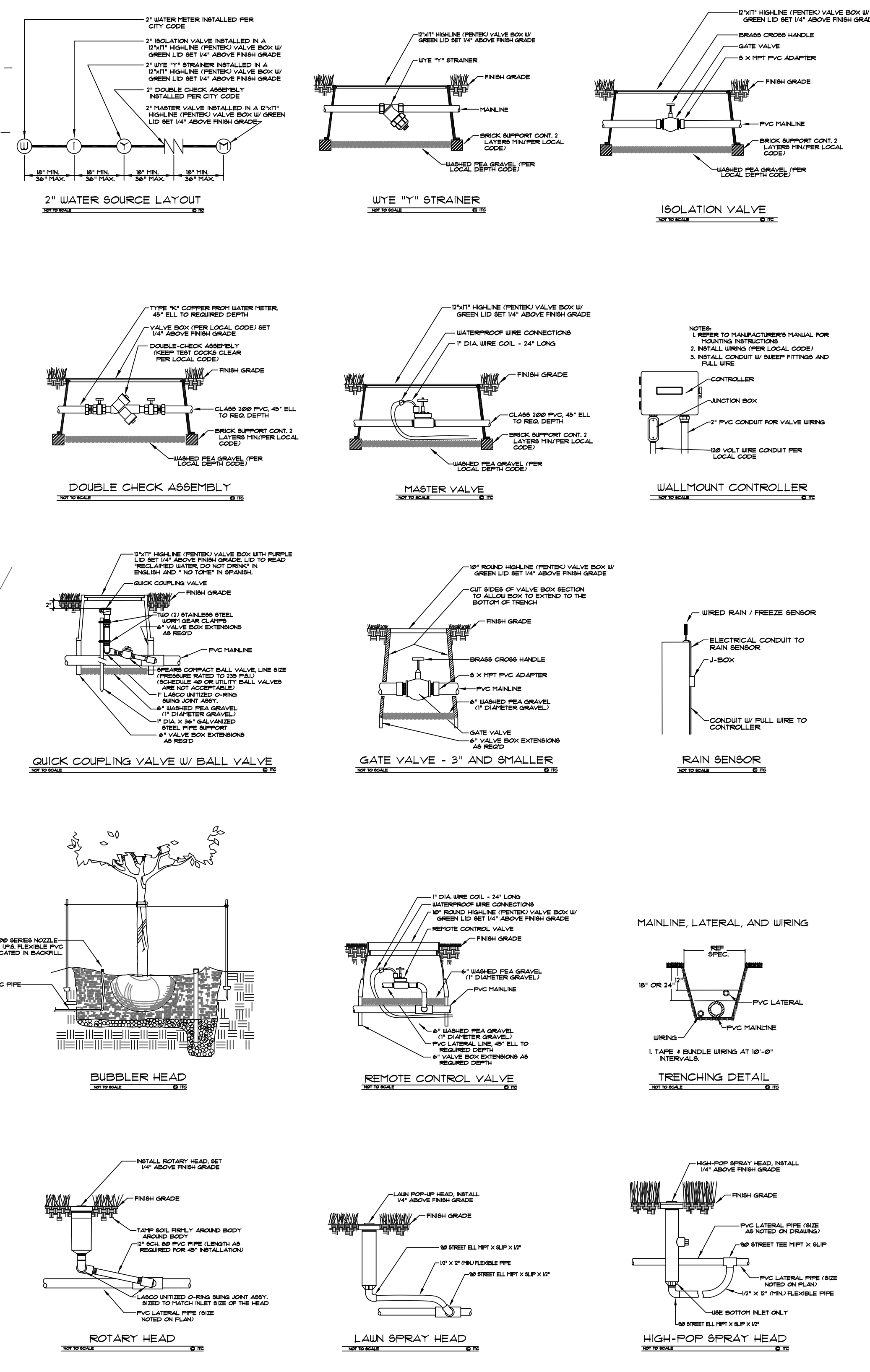
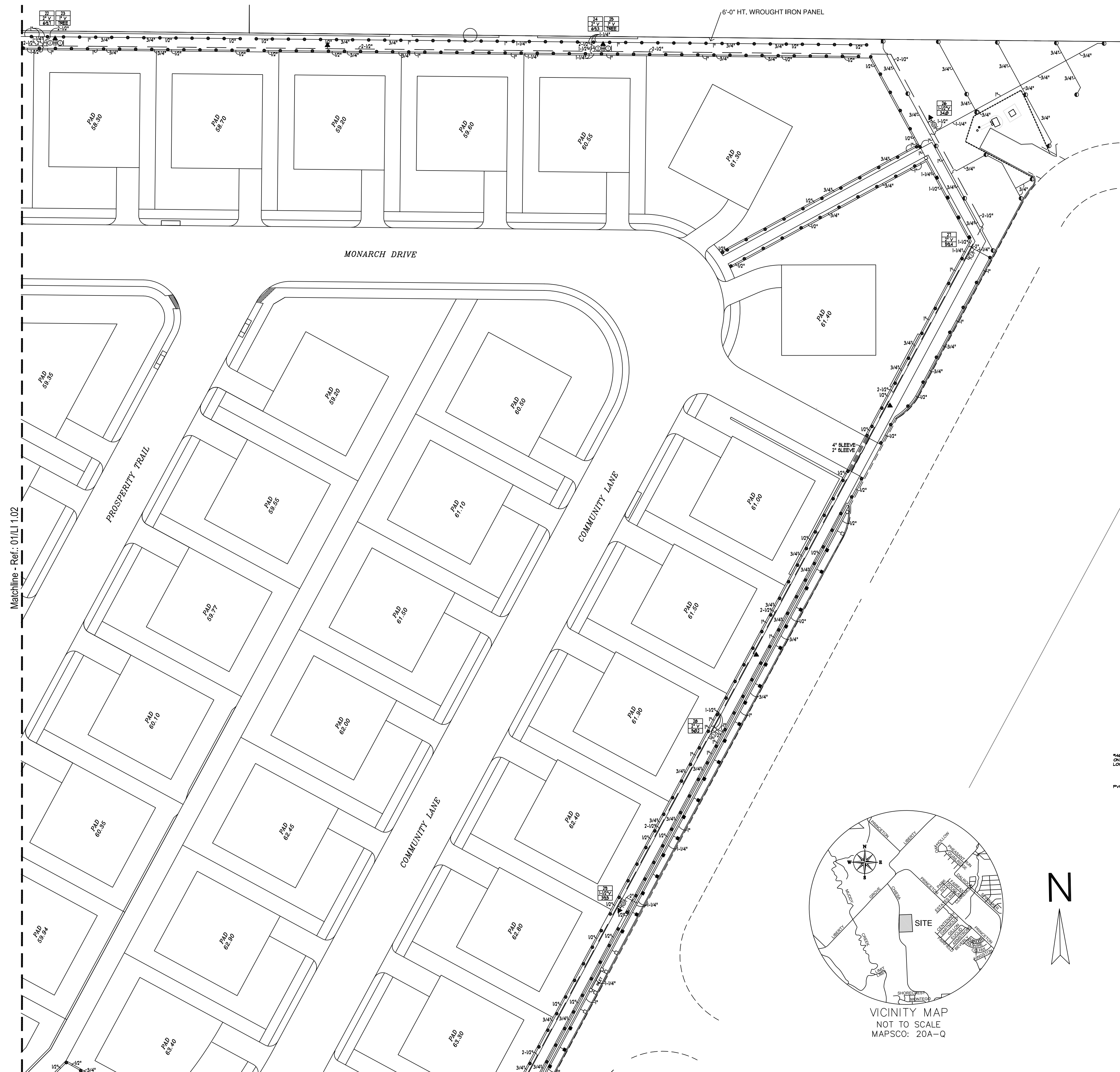
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01 LANDSCAPE IRRIGATION
SCALE: 1" = 30'-0"

J CAMILLE LA FOY
LANDSCAPE ARCHITECTURE CONSULTING
1010 NORTH GREENVILLE AVENUE, SUITE 200
AUSTIN, TEXAS 78702
TEL: 512.452.1000

STATE OF TEXAS
MARVIN W. PRESTRIDGE III
LICENSED LANDSCAPE ARCHITECT
846
10-29-19

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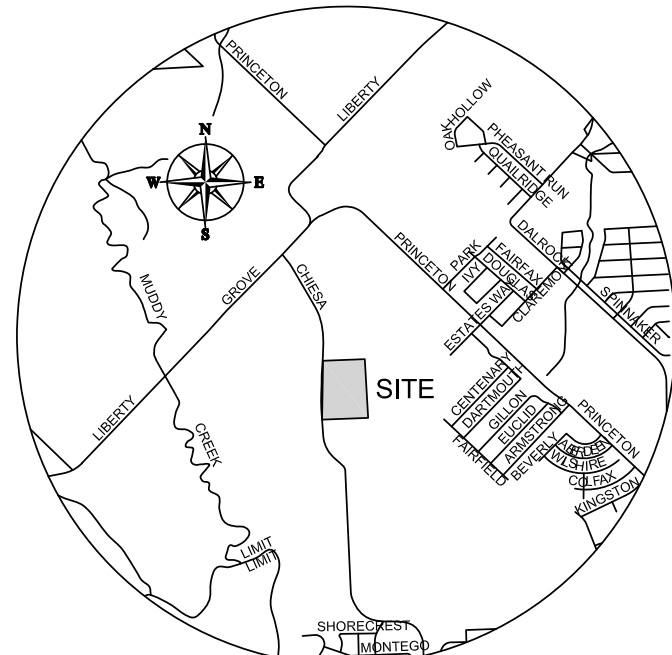
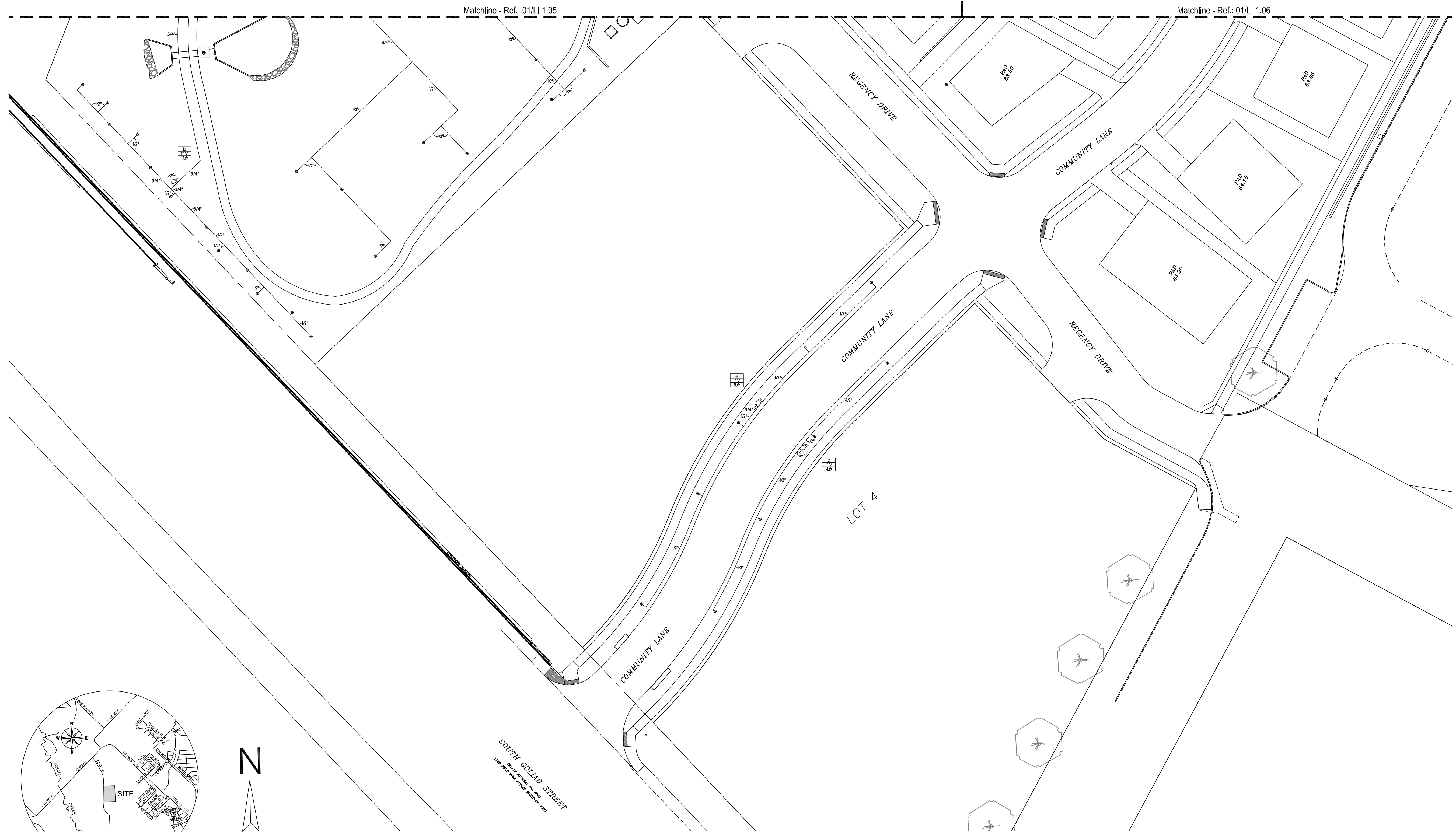
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VICINITY MAP
NOT TO SCALE
MAPSCO: 20A-Q



SOUTH COLLAD STREET
(From South Collad Street, West)

01 LANDSCAPE IRRIGATION TREE

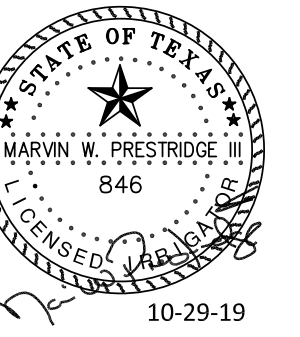
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Marvin Prestridge LI 846

JCL
J. CAMILLE LA FOY
LANDSCAPE ARCHITECTURE CONSULTING
1010 NORTH GREENVILLE AVENUE, 402
AUSTIN, TEXAS 78702
737.440.4404



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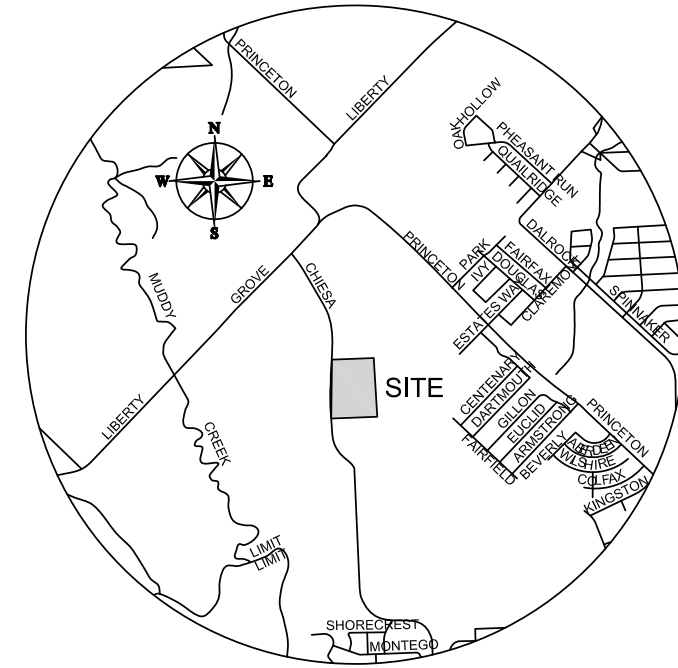
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LANDSCAPE ARCHITECTURE CONSULTING
1010 NORTH GREENVILLE AVENUE, 802
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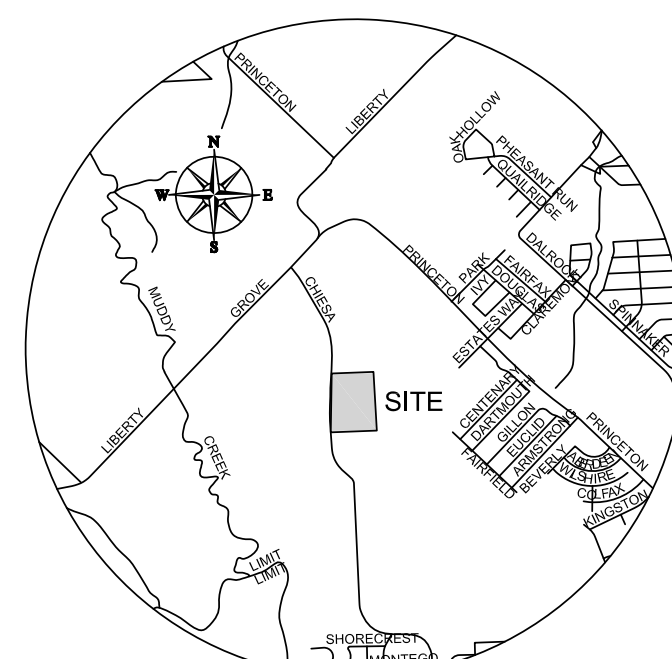
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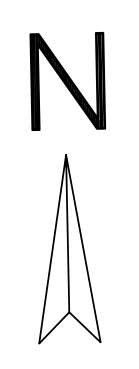


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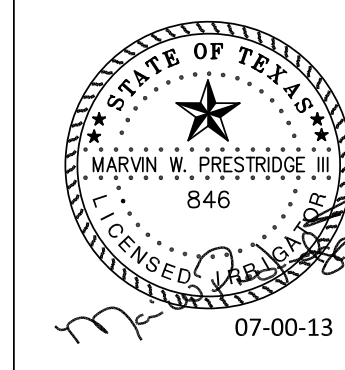
VICINITY MAP
NOT TO SCALE
MAPSCO: 20A-Q



01 LANDSCAPE IRRIGATION TREE

SCALE: 1" = 30'-0"

J. CAMILLE LA FOY
 LANDSCAPE ARCHITECTURE & CONSULTING
 1010 NORTH GREEN VALLEY AVENUE, #202
 ALLEN, TEXAS 75002
 TEL: 972.350.4888



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