



<u>SYMBOL</u>	<u>CODE</u>	<u>BOTANICAL / COMMON NAME</u>
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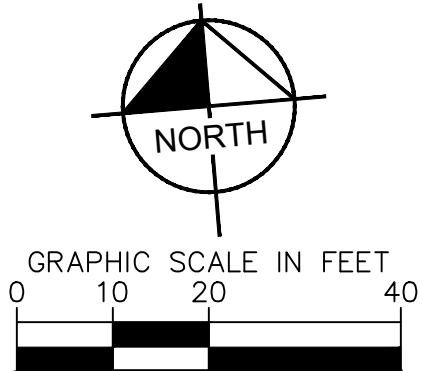
SEE LP 3.00 FOR FULL PLANT SCHEDULE

STONE

## AGGREGATE

AG-1 AGGREGATE

COLOR:	RIVER ROCK
SIZE:	1"-3"
INSTALL:	REF. PLANS AND DETAILS
SUPPLIER:	KNIFE RIVER
CONTACT:	MATT ARNOLD (979.361.2900) matt.arnold@kniferiver.com
APPROVAL:	SAMPLE



ALL PROPOSED LANDSCAPE IMPROVEMENTS SHALL BE PROVIDED A PERMANENT IRRIGATION SYSTEM PER CITY OF BRYAN CODE OF ORDINANCES.

PLANTING NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATIONS OF ALL UNDERGROUND UTILITIES, PIPES, STRUCTURES, AND LINE RUNS IN THE FIELD PRIOR TO THE INSTALLATION OF ANY PLANT MATERIAL.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ADVISE THE LANDSCAPE ARCHITECT OF ANY CONDITION FOUND ON SITE WHICH PRESENTS INSTALLATION AS SHOWN ON THESE DRAWINGS.
3. ALL PLANT MATERIAL SHALL BE MAINTAINED IN A HEALTHY, GROWING CONDITION AND MUST BE REPLACED WITHIN 30 DAYS WITH PLANT MATERIAL OF THE SAME VARIETY AND SIZE IF DAMAGED, DESTROYED, OR REMOVED.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR DISCOUNTING AND REMOVAL OF DEBRIS PRIOR TO PLANTING IN ALL AREAS.
5. CONTRACTOR SHALL VERIFY ALL PLANT QUANTITIES. ALL PLANT QUANTITIES ARE LISTED FOR INFORMATION PURPOSES ONLY. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE FULL COVERAGE IN ALL PLANTING AREAS AS SHOWN ON THE PLANS AND SPECIFIED IN THE PLANT SCHEDULE.
6. CONTRACTOR TO PROVIDE CONCRETE MOW STRIP BETWEEN ALL PLANTING BEDS AND TURF AREAS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
7. ALL PLANT MATERIAL SHALL CONFORM TO THE SPECIFICATIONS GIVEN IN THE PLANT SCHEDULE, PLANTING DETAILS, AND PLANTING SPECIFICATIONS.
8. ALL PLANT MATERIAL SHALL MEET UNITED STATES STANDARDS AS INDICATED IN THE CURRENT EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK (ANS Z60.1).
9. ALL PLANT MATERIAL SUBSTITUTIONS SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO PURCHASE.
10. CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION WITH OTHER CONTRACTORS ON SITE AS REQUIRED TO ACCOMPLISH ALL PLANTING OPERATIONS.
11. ALL PLANTING AREAS SHALL RECEIVE SOIL AMENDMENTS.
12. ALL PLANTING AREAS SHALL BE PRUNED PER PLANTING DETAILS UNLESS OTHERWISE NOTED ON DRAWING.
13. PLANTING AREAS SHALL BE KEPT FREE OF TRASH, WEEDS, DEBRIS, AND DEAD PLANT MATERIAL.
14. ALL LIME STABILIZED SOIL AND INORGANIC SALT FREE FOR BUILDING OR PAVING CONSTRUCTION SHALL BE REMOVED FROM ALL PLANTING BEDS TO A MINIMUM DEPTH OF 24" UNLESS OTHERWISE NOTED. REPLACE MATERIAL REMOVED WITH IMPORTED TOPSOIL.
15. TREES OVERHANGING PEDESTRIAN WALKS AND WITHIN VISION TRIANGLES AS NOTED ON THE PLANS SHALL BE LIMBED TO A HEIGHT OF SEVEN FEET (7'). TREE OVERHANGING PUBLIC STREETS AND FIRELANES SHALL BE LIMBED TO A HEIGHT OF FOURTEEN FEET (14').
16. TREES PLANTED NEXT TO ACCESSIBLE ROUTES AND ACCESSIBLE AREAS SHALL BE LIMBED TO 8'0" MAX.
17. ALL PROPOSED TREES SHALL BE STAKED WITH AN 8-GRADE ROP KNOT. SECURING SYSTEMS AS SHOWN IN THE PLANTING DETAILS AND SPECIFICATIONS. NO ABOVE-GROUND STAKING SYSTEMS, GUY WIRES, WIRESES, HOSES, STRAPS, POSTS (METAL OR WOOD) SHALL BE ALLOWED UNLESS AUTHORIZED IN WRITING BY THE LANDSCAPE ARCHITECT.



PROJECT No.	060037800
DATE:	01/29/25
SCALE:	AS SHOWN
DESIGNED BY:	BDM
DRAWN BY:	LC
CHECKED BY:	BDM

## LANDSCAPE PLAN

**BRAZOS COUNTY  
COURTHOUSE ANNEX  
BUILDING  
PREPARED FOR  
BRAZOS COUNTY  
BRYAN, TEXAS**

SHEET NUMBER

LP 1.00

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REVISIONS	DATE	BY
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**Kimley»»Horn**

C 2026 KIMLEY-HORN AND ASSOCIATES, INC.  
TEXAS REGISTERED ENGINEERING FIRM F-928  
1110 INTERSTATE 20 FRONTAGE RD SUITE 140 WEATHERFORD, TX 76086  
PHONE: 817-396-8488  
[WWW.KIMLEY-HORN.COM](http://WWW.KIMLEY-HORN.COM)

PROJECT No.	060037800
DATE:	01/29/25
SCALE:	AS SHOWN
DESIGNED BY:	BDM
DRAWN BY:	LC
CHECKED BY:	BDM

LANDSCAPE PLAN

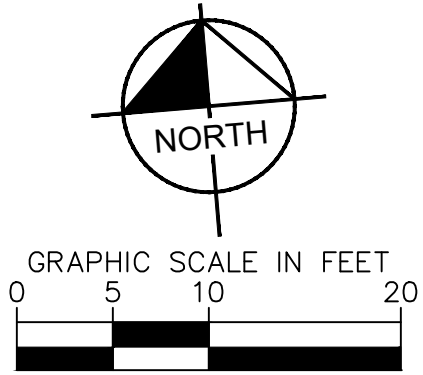
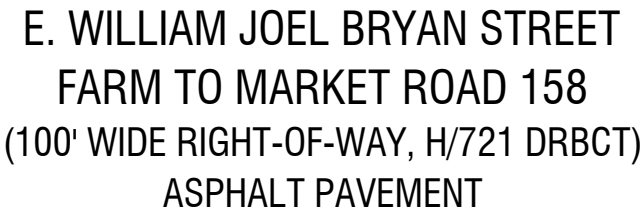
**BRAZOS COUNTY  
COURTHOUSE ANNEX  
BUILDING  
PREPARED FOR  
BRAZOS COUNTY  
BRYAN, TEXAS**

SHEET NUMBER

LP 1.00

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[illegible]

PROJECT No. 060037800
DATE: 01/29/25
SCALE: AS SHOWN
DESIGNED BY: BDM
DRAWN BY: LC
CHECKED BY: BDM

## LANDSCAPE ENLARGEMENT

**BRAZOS COUNTY  
COURTHOUSE ANNEX  
BUILDING  
PREPARED FOR  
BRAZOS COUNTY  
BRYAN, TEXAS**

SHEET NUMBER  
LP 2.00

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XREF: A1b - XREF: Sbm - XREF: Misc - XREF: Ssite - XREF: TDOOT - Triangles - XREF: 01b - 1A - XREF: dandope - XREF: d4skope - XREF: d2cord - 1Ave  
 IMAGES  
 PLOTTED BY CHAVEZ, JENNIFER 12/20/2015 4:47 PM  
 LAST SAVED 12/20/2015 4:46 PM  
 (BRADCOX COUNTY COUNCILHOUSE) \CAD\PLANSHEETS\LANDSCAPE\1A.DWG



## PLANT SCHEDULE

<u>SYMBOL</u>	<u>CODE</u>	<u>BOTANICAL / COMMON NAME</u>
---------------	-------------	--------------------------------

## TREES

 QK QUERCUS VIRGINIANA 'AUGUSTINA' / AUGUSTINA LIVE OAK




## ORNAMENTAL TREES

	LT	CHILOPSIS LINEARIS / DESERT WILLOW
	CC	CERCIS CANADENSIS 'TEXENSIS' / TEXAS REDBUD

SHRUBS

	CH	ILEX CORNUTA 'CARISSA' / CARISSA HOLLY
	LF	LEUCOPHYLLUM FRUTESCENS 'COMPACTA' / COMPACT TEXAS RANGER
	IN	ILEX VOMITORIA / DWARF YAUPON HOLLY
	MC	MUHLENBERGIA CAPILLARIS / GULF MUHLY
	BB	NASSELLA TENUISSIMA / MEXICAN FEATHER GRASS
	SM	LANTANA X 'NEW GOLD' / NEW GOLD LANTANA
	HP	HESPERALOE PARVIFLORA / RED FLOWERING YUCCA
	RO	SALVIA COCCINEA / SCARLET SAGE
	SY	YUCCA RECURVIFOLIA / SOFTLEAF YUCCA
	MD	MALVAUSCUS DRUMMONDII / TURK'S CAP

## GROUND COVERS

	TA	TRACHELOSPERMUM ASIATICUM / ASIAN STAR JASMINE
	ZP	FICUS TIKOUA / SANDI LEAF FIG
	ST	SCUTELLARIA SUFFRUTESCENS / TEXAS SKULLCAP

AGGREGATE RR RIVER ROCK / RIVER ROCK

## TURF/GRASSES



SOD CYNODON DACTYLON / BERMUDA GRASS

CAUTION

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



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

## BENCH MARK LIST

PROJECT BENCHMARK: N-10230986.46, E-3545637.34, Z-331.46  
CITY OF BRYAN MONUMENT GPS-35 (ELEVATION DATUM  
NAVD 1988, GEOID09)

TEMPORARY BENCHMARK 1, N-10231088.94, E-3542601.54,  
Z-368.50, 5/8 IR WITH RED PLASTIC CAP STAMPED KERR  
SURV CONTROL POINT SET ON EAST SIDE OF N. HOUSTON  
AVENUE, 2.7' FROM THE BACK OF CURB AND -33' SOUTH OF  
THE WILLIAM JOEL BRYAN PKWY PAVEMENT

TEMPORARY BENCHMARK 2, N-10230780.54, E-3542534.14, Z-371.94; 5/8 IR WITH RED PLASTIC CAP STAMPED KERR SURV CONTROL POINT SET ON THE SOUTHEAST CORNER OF THE INTERSECTION OF E. 26TH STREET AND N. HOUSTON AVENUE, -5.6' FROM THE BACK OF CURB

TEMPORARY BENCHMARK 3, N-10233801.23, E-3542272.01, Z-374.50; 5/8 IR WITH RED PLASTIC CAP STAMPED KERR SURV CONTROL POINT SET ON THE SOUTH SIDE OF E. 26TH STREET, 3.3' FROM THE BACK OF CURB AND -19' EAST OF

THE TEXAS AVENUE PAVEMENT

**NOTES:**  
COORDINATES SHOWN HEREON ARE TEXAS STATE PLANE  
CENTRAL ZONE SURFACE (NOT GRID) NAD 83 COORDINATES

DISTANCES SHOWN HEREON ARE SURFACE DISTANCES  
UNLESS OTHERWISE NOTED. TO OBTAIN GRID DISTANCES  
(NOT AREAS) DIVIDE BY A COMBINED SCALE FACTOR OF  
1.00011025847445 (CALCULATED USING GEOID12B)

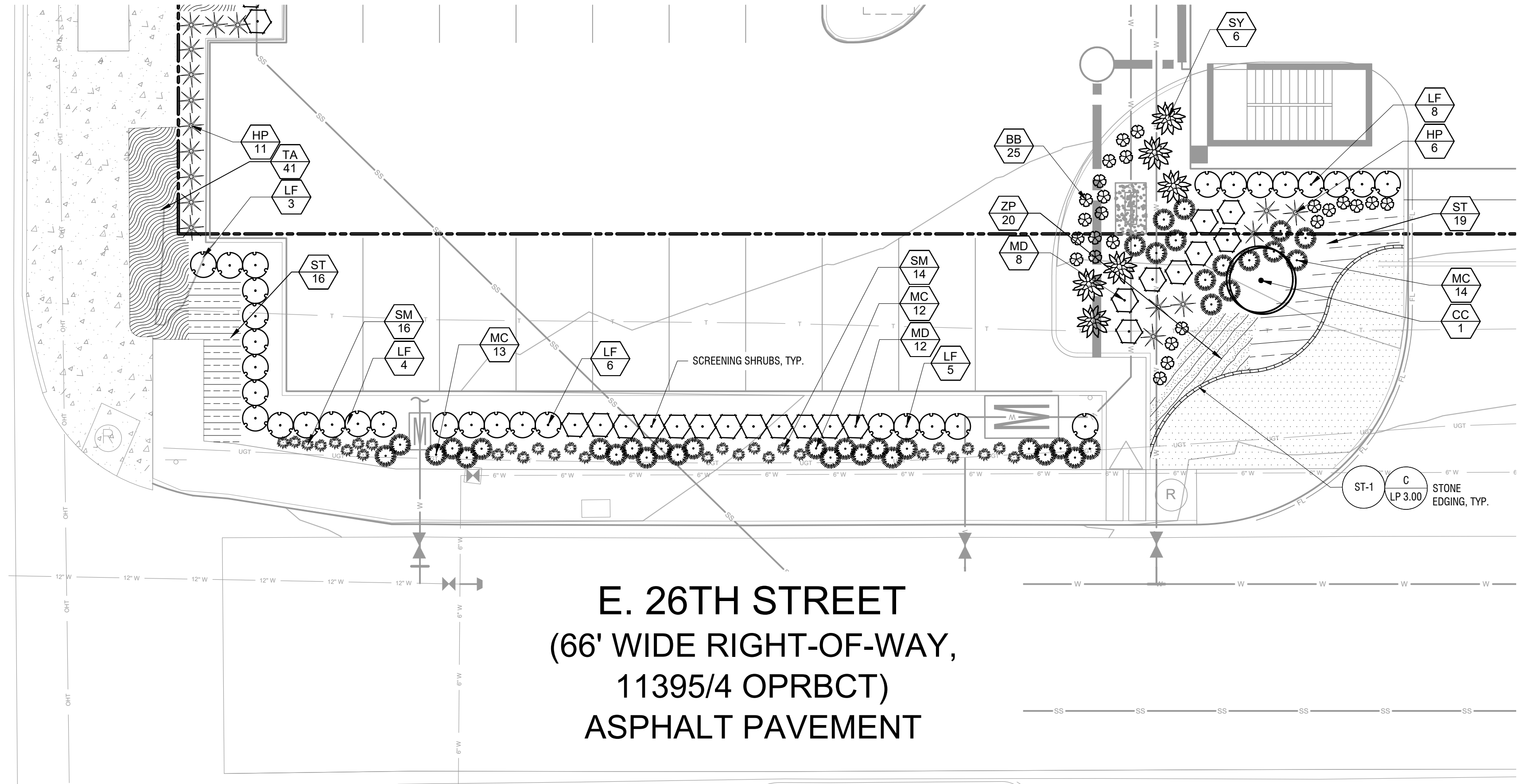
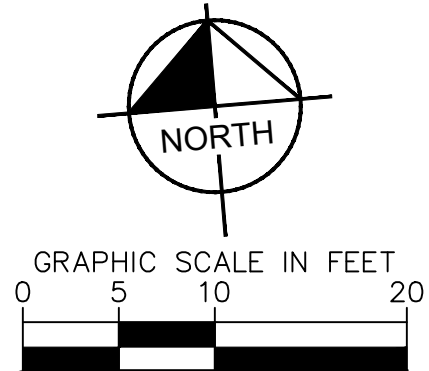


SEE LP 3.00 FOR FULL PLANT SCHEDULE  
PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME
<b>TREES</b>		
	QK	QUERCUS VIRGINIANA 'AUGUSTINA' / AUGUSTINA LIVE OAK
<b>ORNAMENTAL TREES</b>		
	LT	CHILOPSIS LINEARIS / DESERT WILLOW
	CC	CERCIS CANADENSIS 'TEXENSIS' / TEXAS REDBUD
<b>SHRUBS</b>		
	CH	ILEX CORNUTA 'CARISSA' / CARISSA HOLLY
	LF	LEUCOPHYLLUM FRUTESCENS 'COMPACTA' / COMPACT TEXAS RANGER
	IN	ILEX VOMITORIA / DWARF YAUPOH HOLLY
	MC	MUHLENBERGIA CAPILLARIS / GULF MUHLY
	BB	NASSELLA TENUSSIMA / MEXICAN FEATHER GRASS
	SM	LANTANA X 'NEW GOLD' / NEW GOLD LANTANA
	HP	HESPERALOE PARVIFLORA / RED FLOWERING YUCCA
	RO	SALVIA COCCINEA / SCARLET SAGE
	SY	YUCCA RECURVIFOLIA / SOFTLEAF YUCCA
	MD	MALVAVISCUS DRUMMONDII / TURK'S CAP

GROUND COVERS		
	TA	TRACHELOSPERMUM ASIATICUM / ASIAN STAR JASMINE
	ZP	FICUS TIKOUA / SANDI LEAF FIG
	ST	SCUTELLARIA SUFFRUTESCENS / TEXAS SKULLCAP
AGGREGATE		
	RR	RIVER ROCK / RIVER ROCK
TURF/GRASSES		
	SOD	CYNODON DACTYLON / BERMUDA GRASS

E. 26TH STREET  
(66' WIDE RIGHT-OF-WAY,  
11395/4 OPRBCT)  
ASPHALT PAVEMENT



BENCH MARK LIST	
PROJECT BENCHMARK: N 10230965 46, E 3545037 3A, Z 331 49 CITY OF BRYAN MONUMENT GPS-35 (ELEVATION DATUM NAVD 83, GEOD500)	
TEMPORARY BENCHMARK 1: N 10231096 34, E 3545021 54, Z 331 46, 58' IR WITH RED PLASTIC CAP STAMPED 'VERB' SURV CONTROL POINT SET ON EAST SIDE OF N. HOUSTON ARVENAL 1.7' FROM THE BACK OF CURB AND -10' SOUTH OF THE WILLIAM JOEL BRYAN PARK PAVEMENT	
TEMPORARY BENCHMARK 2: N 10230765 54, E 3545024 14, Z 331 46, 58' IR WITH RED PLASTIC CAP STAMPED 'VERB' SURV CONTROL POINT SET ON THE SOUTHEAST CORNER OF THE INTERSECTION OF E. 26TH STREET AND N. HOUSTON ARVENAL 1.7' FROM THE BACK OF CURB	
TEMPORARY BENCHMARK 3: N 1023091 33, E 3545027 01, Z 334 55, 58' IR WITH RED PLASTIC CAP STAMPED 'VERB' SURV CONTROL POINT SET ON THE SOUTH SIDE OF E. 26TH STREET, 3.3' FROM THE BACK OF CURB AND -19' EAST OF THE LEAS SURVEY EASEMENT	
NOTES: COORDINATES SHOWN HEREON ARE TEXAS STATE PLANE CENTRAL ZONE SURFACE (NOT GRID) AND 83 COORDINATES DISTANCES SHOWN HEREON ARE SURFACE DISTANCES UNLESS OTHERWISE NOTED. TO OBTAIN GRID DISTANCES NOT AREAS DIVIDE BY A CORRECTION FACTOR OF 1.00012026847445 (CALCULATED USING GEOD128).	

**Kimley»Horn**  
C 2025 KIMLEY-HORN AND ASSOCIATES, INC.  
110 INTERSTATE 20 FRONTAGE RD SUITE 140 WEATHERFORD, TX 76088  
PHONE: 817-595-8488  
WWW.KIMLEY-HORN.COM



PROJECT No.	06037800
DATE:	01/29/25
SCALE:	AS SHOWN
DESIGNED BY:	BDM
DRAWN BY:	LC
CHECKED BY:	BDM

LANDSCAPE ENLARGEMENT




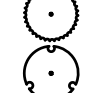

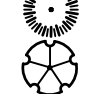

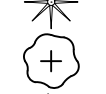

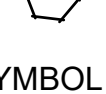

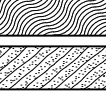
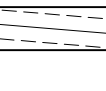

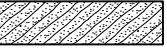


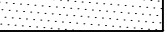
BRAZOS COUNTY  
COURTHOUSE ANNEX  
BUILDING  
PREPARED FOR  
BRAZOS COUNTY  
BRYAN, TEXAS

SHEET NUMBER  
LP 2.01

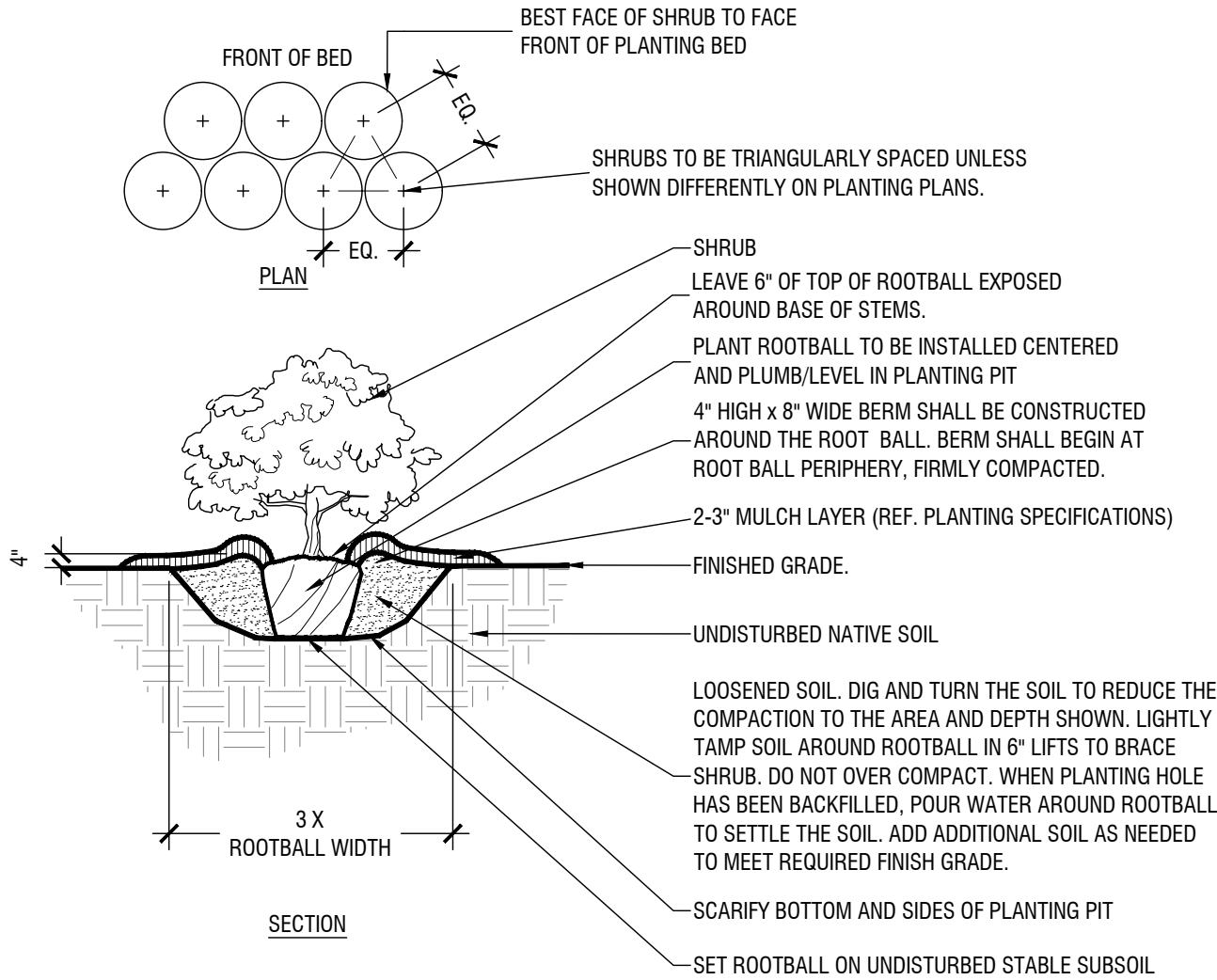


IMAGES: XREF: DOW, L.A., XREF: Aggregate Detail, XREF: Shrub Planting Details, XREF: Stone Edge @ Landscape, XREF: Tree Fence Details, XREF: Tree Planting Details, XREF: All Standard Landscape Details, XREF: Standard Landscape Details  
PLOTTED BY: CHAVEZ, LINDSEY, 1/29/2025, 5:47 PM  
LAST SAVED: 2/12/2025, 11:40:00 AM  
THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, IS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.

PLANT SCHEDULE

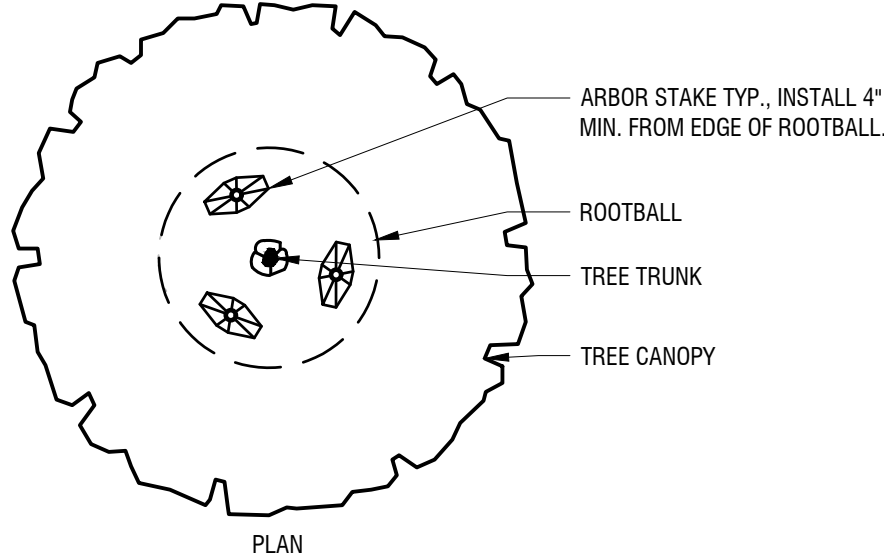
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	ROOT	CAL	SIZE	REMARKS
TREES							
	OK	8	QUERCUS VIRGINIANA 'AUGUSTINA' / AUGUSTINA LIVE OAK	B & B	3" CAL.	12' - 14' HT.	SINGLE STRAIGHT CENTRAL LEADER, FULL AND MATCHING
ORNAMENTAL TREES							
	LT	2	CHILOPSIS LINEARIS / DESERT WILLOW	B & B	3- 1.5" CANES	8'-10' HT.	MULTI-TRUNK (3 STEMS MIN.), FULL AND MATCHING
	CC	4	CERCIS CANADENSIS 'TEXENSIS' / TEXAS REDBUD	B & B	3- 1.5" CANES	8'-10' HT.	SINGLE STRAIGHT CENTRAL LEADER, FULL AND MATCHING
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	ROOT	SIZE	SPACING	REMARKS
SHRUBS							
	CH	84	ILEX CORNUTA 'CARISSA' / CARISSA HOLLY	CONT.	24" HT.	36" OC	FULL AND MATCHING
	LF	103	LEUCOPHYLLUM FRUTESCENS 'COMPACTA' / COMPACT TEXAS RANGER	CONT.	24" HT.	36" O.C.	FULL AND MATCHING
	IN	12	ILEX VOMITORIA / DWARF YAUPOON HOLLY	CONT.	12"-18" HT.	30" O.C.	FULL AND MATCHING
	MC	39	MUHLENBERGIA CAPILLARIS / GULF MUHLY	CONT.	18" HT.	36" OC	FULL AND MATCHING
	BB	150	NASSELLA TENUISSIMA / MEXICAN FEATHER GRASS	CONT.	18-24" HT	24" O.C.	FULL AND MATCHING
	SM	51	LANTANA X 'NEW GOLD' / NEW GOLD LANTANA	CONT.	18" HT.	18" O.C.	FULL AND MATCHING
	HP	29	HESPERALOE PARVIFLORA / RED FLOWERING YUCCA	CONT.	18" HT.	36" O.C.	FULL AND MATCHING
	RO	119	SALVIA COCCINEA / SCARLET SAGE	CONT.	24" HT.	24" OC	FULL AND MACHING
	SY	12	YUCCA RECURVIFOLIA / SOFTLEAF YUCCA	CONT.	24" HT.	48" O.C.	FULL AND MATCHING
	MD	24	MALVAVISCUS DRUMMONDII / TURK'S CAP	CONT.	18" HT.	36" O.C.	FULL AND MATCHING
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT.	SIZE	SPACING	REMARKS
GROUND COVERS							
	TA	274	TRACHELOSPERMUM ASIATICUM / ASIAN STAR JASMINE	CONT.	12"-18" SPR, 3-5 RUNNERS MIN.	24" O.C.	3-5 RUNNERS MIN.
	ZP	195	FICUS TIKOUA / SANDI LEAF FIG	CONT.	12"-18" SPR, 3-5 RUNNERS MIN.	24" O.C.	3-5 RUNNERS MIN
	ST	211	SCUTELLARIA SUFFRUTESCENS / TEXAS SKULLCAP	CONT.	8"-12" HT.	30" O.C.	FULL AND MATCHING
AGGREGATE							
	RR	1,293 SF	RIVER ROCK / RIVER ROCK	N/A	N/A	N/A	3"-5" COBBLE SIZE, LOCALLY SOURCED.
TURF/GRASSES							
	SOD	6,044 SF	CYNODON DACTYLON / BERMUDA GRASS	N/A	N/A	N/A	SOD TO HAVE TIGHT, SAND FILLED JOINTS AND BE FREE OF WEEDS.

- NOTES:
- REF. PLANTING SPECIFICATIONS FOR ADDITIONAL INFORMATION.
  - WHEN SHRUBS MASSED TOGETHER WITH GROUNDCOVER BEDS, ALL SOIL IN BED TO BE AMENDED. (REF. PLANTING SPECIFICATIONS)
  - WHEN SHRUBS ARE USED IN MASSES, PRUNE ALL SHRUBS TO ACHIEVE UNIFORM MASS/HEIGHT.
  - REF. TO PLANT SCHEDULE AND PLANTING PLANS FOR SPACING/LAYOUT.

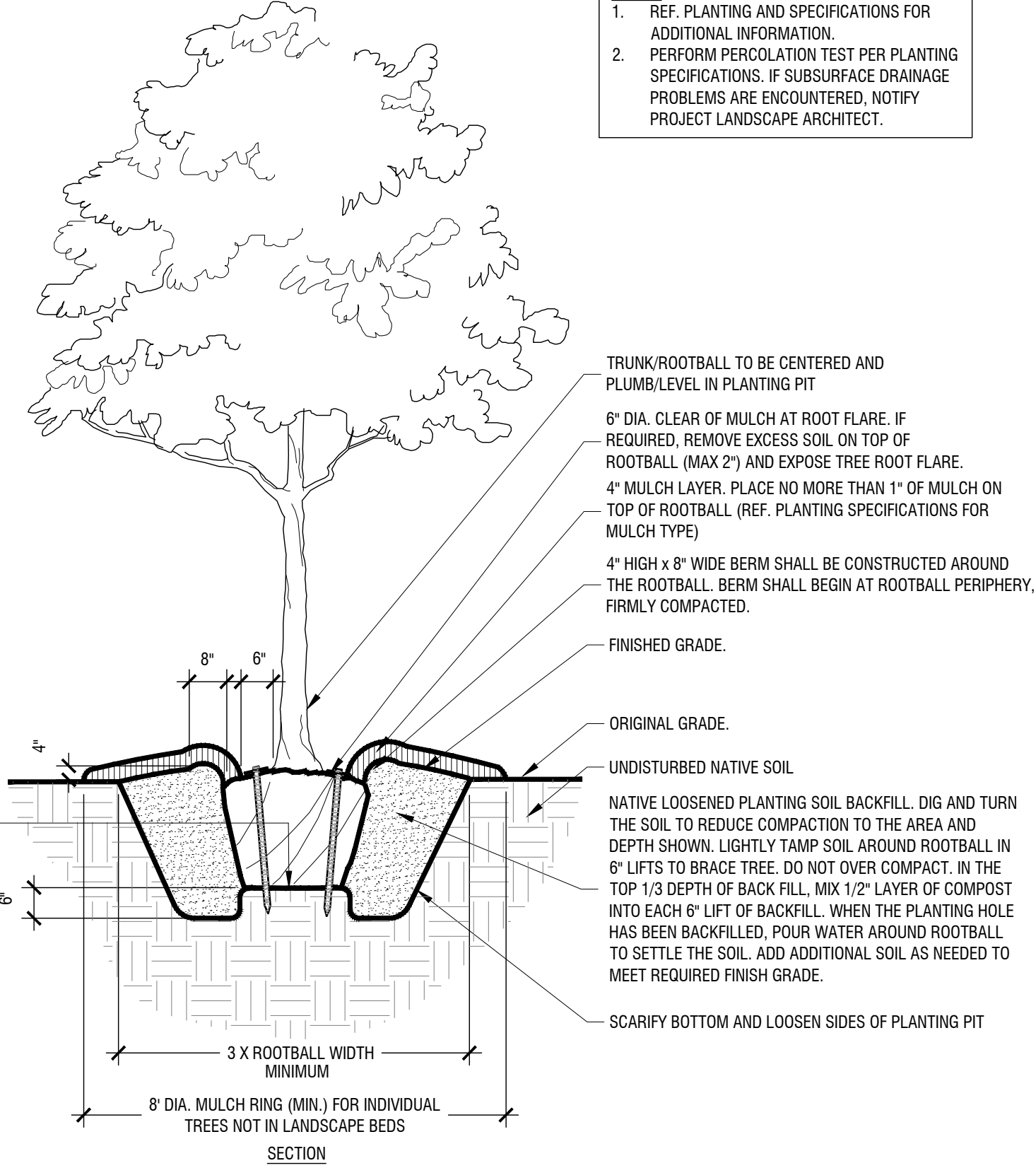


TYPICAL SHRUB PLANTING

Scale: NTS

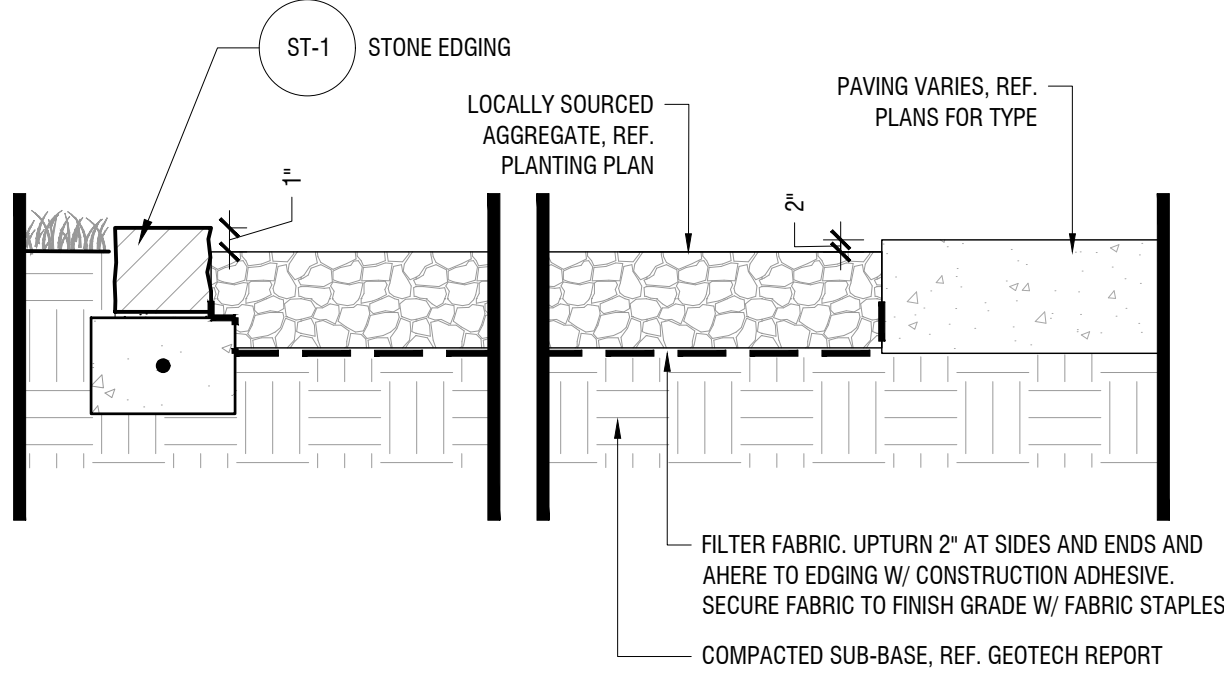


- NOTES:
- REF. PLANTING AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
  - PERFORM PERCOLATION TEST PER PLANTING SPECIFICATIONS. IF SUBSURFACE DRAINAGE PROBLEMS ARE ENCOUNTERED, NOTIFY PROJECT LANDSCAPE ARCHITECT.



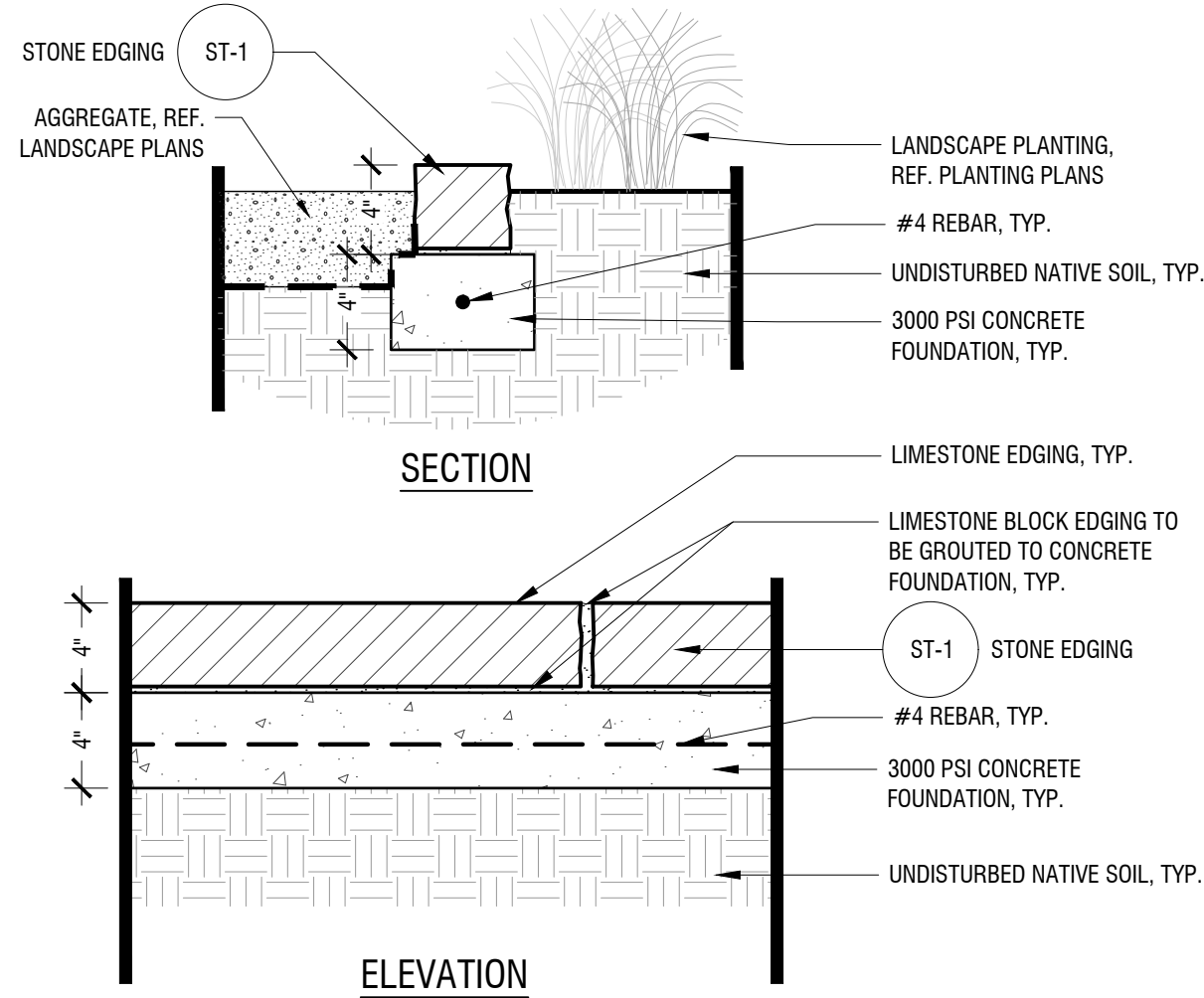
TYPICAL TREE PLANTING

Scale: NTS



Aggregate at Concrete and Planting

Scale: NTS



LIMESTONE EDGING (AT TURF & LANDSCAPE BED)

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

**Kimley»Horn**

C 2025 KIMLEY-HORN AND ASSOCIATES, INC.  
110 INTERSTATE 20 FRONTAGE RD SUITE 140 WEAVERFORD, TX 76088  
PHONE: 817-395-8488  
WWW.KIMLEY-HORN.COM



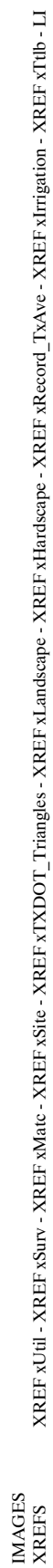
PROJECT No.	060037800
DATE:	01/29/25
SCALE:	AS SHOWN
DESIGNED BY:	BDM
DRAWN BY:	LC
CHECKED BY:	BDM

LANDSCAPE DETAILS

BRAZOS COUNTY  
COURTHOUSE ANNEX  
BUILDING  
PREPARED FOR  
BRAZOS COUNTY  
BRYAN, TEXAS

SHEET NUMBER  
LP 3.00







**IRIGATION NOTES**

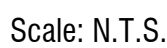
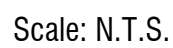
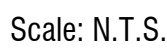
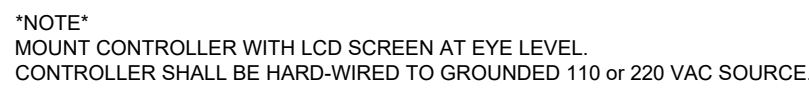
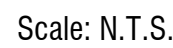
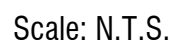
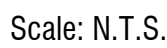
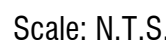
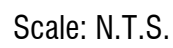
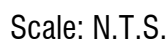
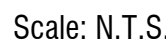
1. IRRIGATION CONTRACTOR SHALL TEST EXISTING STATIC PRESSURE ON SITE PRIOR TO CONSTRUCTION. SHOULD EXISTING STATIC PRESSURE BE BELOW 65 PSI, CONTRACTOR SHALL CONTACT THE IRRIGATION DESIGNER PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. COORDINATE IRRIGATION INSTALLATION WITH PLANTING PLAN AND SITE CONDITIONS TO PROVIDE COMPLETE 100% COVERAGE WITH MINIMUM OVERSPRAY. THE IRRIGATION CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS TO ENSURE PROPER COVERAGE AT ALL IRRIGATION POINTS.
3. ALL CONSTRUCTION SHALL CONFORM TO CITY, COUNTY, STATE, AND FEDERAL REQUIREMENTS. IT SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO ENSURE THAT ALL IRRIGATION EQUIPMENT MEETS GOVERNMENT REGULATIONS. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS OR APPROVALS PRIOR TO COMMENCEMENT OF OPERATION.
4. LATERAL PIPING SHALL BE INSTALLED BY THE OWNER/GENERAL CONTRACTOR. LATERAL PIPE SHALL BE INSTALLED AT A MINIMUM DEPTH OF 12 INCHES. MAINLINE PIPE AND WIRES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 18 INCHES.
5. ELECTRICAL POWER SHALL BE PROVIDED WITHIN 5 FEET OF CONTROLLER LOCATION BY GENERAL CONTRACTOR. LICENSED IRRIGATION CONTRACTOR TO PROVIDE FINAL HARD WIRE TO CONTROLLER.
6. 24 VOLT VALVE WIRE SHALL BE A MINIMUM OF 14 GAUGE, UL APPROVED FOR DIRECT BURIAL. SINGLE CONDUCTOR IRRIGATION WIRE SHALL BE APPROVED TO CONFIRM WIRE SIZE PRIOR TO INSTALLATION. WIRE SPLICES SHALL BE ENCASED IN A WATERPROOF WIRE NUT.
7. IRRIGATION VALVES AND VALVE BOXES SHALL BE LOCATED IN LANDSCAPE BEDS OR GROUND COVERED AREAS WHENEVER POSSIBLE. ALL REMOTE VALVE BOXES SHALL BE SET FLUSH WITH FINISHED GRADE AND CONTAIN ONE CUBIC FOOT OF CLEAN GRAVEL BENEATH VALVE. LATERAL PIPING SHALL BE INSTALLED WITH ALPHA 1" POLYETHYLENE GLASS REINFORCED (ALPHA) CONTROLLER AND NUMERIC STATION. USE 10" ROUND VALVE BOXES FOR ELECTRIC VALVES AND JOINT COUPLING VALVES USE 15" X 9.5" RECTANGULAR BOX FOR DRIP VALVES UNLESS NOTED OTHERWISE. DOUBLE CHECK ASSEMBLY SHALL BE BOXED AND CAPPED TO LOCAL CODES.
8. USE PVC SWING JOINT ASSEMBLIES TO CONNECT ALL SPRAY AND ROTOR HEADS.
9. CONTRACTOR IS TO CONTACT APPROPRIATE AUTHORITIES AND LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, EQUIPMENT QUANTITIES, AND UTILITY LOCATIONS PRIOR TO BEGINNING WORK. CONTRACTOR SHALL BE INSTALLED BY GENERAL CONTRACTOR UNLESS OTHERWISE NOTED. SLEEVE MATERIAL SHALL BE PVC, SCH. 40.
10. CONTRACTOR SHALL EXTEND SLEEVES 18 INCHES BEYOND EDGE OF ALL PAVEMENT. ELECTRICAL WIRES FOR IRRIGATION VALVES AND IRRIGATION LINES ARE TO BE PLACED IN SEPARATE SLEEVES. SEE SLEEVING DETAIL. ALL PRESSURE MAINLINES SHALL BE INSTALLED PAVED/PAVEMENT SURF. UNLESS OTHERWISE NOTED AS NOTED.
11. DRIP LINE SHALL BE PLACED A MINIMUM OF 2" UNDER MULCH.
12. LICENSED IRRIGATION CONTRACTOR SHALL ADJUST SPRAY NOZZLES FOR "HEAD-TO-HEAD" COVERAGE AND ADJUST FOR MINIMUM OVERSPRAY ONTO PAVEMENT. NO OVERSPRAY IS PERMITTED ONTO STREETS OR SIDEWALKS.
13. IRRIGATION CONTRACTOR SHALL CONSTRUCT IRRIGATION SYSTEM WITH ALL MATERIALS AND PER MANUFACTURER SPECIFICATIONS SHOWN ON THIS PLAN. IF CONTRACTOR PREFERS MATERIALS THAT DIFFER FROM THE THIS PLAN, THEY SHALL BE APPROVED BY THE IRRIGATION DESIGNER PRIOR TO CONSTRUCTION.
14. IRRIGATION CONTRACTOR SHALL PROVIDE ALL POINTS OF CONNECTION AT PROJECT SITE WITH OWNER.
15. EXISTING TREES TO REMAIN ARE TO BE PROTECTED FROM DAMAGE, DO NOT TRENC OR EXCAVATE WITHIN THE CRITICAL ROOT ZONE OF ANY TREE.
16. IRRIGATION LATERAL LINES, MAIN LINES AND EQUIPMENT MAY BE SHOWN OUTSIDE PROPERTY LINES ON THIS PLAN. ALL IRRIGATION LINES AND EQUIPMENT ARE TO BE WITHIN AND INSTALLED WITHIN THE LIMITS OF THE PROPERTY LINE.
17. SUPPLY LINE AND METER TO BE PROVIDED BY GENERAL CONTRACTOR. BACKFLOW PREVENTER TO BE PROVIDED BY IRRIGATION CONTRACTOR. IRRIGATION CONTRACTORS POINT OF CONNECTION TO BEGIN AFTER THE IRRIGATION WATER METER.
18. IRRIGATION CONTRACTOR SHALL REVIEW WINTERIZATION PROCEDURES FOR IRRIGATION SYSTEM WITH OWNER REPRESENTATIVE.
19. ALL PLANT MATERIAL IN TREE HOLDING AREAS SHALL BE MANUALLY WATERED/IRRIGATED TO KEEP MOIST UNTIL PLANTED.
20. MAINLINE, VALVES, AND WIRING ARE SHOWN ON DRAWINGS FOR CLARITY. SHOULD BE LOCATED IN ACCESSIBLE GREEN SPACE. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH UTILITY STRUCTURES, ETC.
21. INSTALLATION OF WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SPEEDY AND ORDERLY COMPLETION OF ALL WORK ON THE SITE.
22. IRRIGATION HEADS 4" FROM BACK OF CURB OR 24" IF PAVEMENT HAS NO CURB.
23. CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS OF THE FINAL INSTALLATION TO OWNER AT SUBSTANTIAL COMPLETION BEFORE RECEIVING FINAL PAYMENT. "AS-BUILT" DRAWINGS TO BE COLOR CODED BY ZONE ON 8.5" X 11", LAMINATED, AND PLACED IN CONTROLLER.
24. ALL DRIP ZONES SHALL BE INSTALLED WITH A SELF-FLUSHING DISC FILTER, OR APPROVED EQUAL.
25. INSTALL ALL IRRIGATION COMPONENTS AS PER MANUFACTURERS REQUIREMENTS.
26. IRRIGATION HEADS AND COMPONENTS SHALL BE LOCATED A MINIMUM OF 24" FROM ALL BUILDINGS TO AVOID ADVERSE PERFORMANCE OF FOUNDATION AND SLABS.
27. NO LATERALS LESS THAN 3/4" DIAMETER.

**CAUTION**  
EXISTING UNDERGROUND  
UTILITIES. CONTRACTOR TO  
VERIFY EXACT LOCATION  
PRIOR TO ANY TRENCHING  
OR EXCAVATION.



SHEET NUMBER	Brazos County Courthouse Annex Building Prepared for Brazos County Bryan, Texas	IRRIGATION PLAN	PROJECT No.: 060037800	 01/29/2025	 C 2025 KIMLEY-HORN AND ASSOCIATES, INC. 110 INTERSTATE 20 FRONTAGE RD SUITE 140 WEATHERFORD, TX 76086 PHONE: 817-356-5488 WWW.KIMLEY-HORN.COM	No.	REVISIONS	DATE	BY
			DATE: 01/29/2025						
LI 1.00									





Scale: N.T.S.

# BENCH MARK LIST

PROJECT BENCHMARK, N-10230906.00 E-3545537.34 U-2531.48  
 CITY OF BRYAN MONITORING GPS135 (ELEVATION DATA) NAD83 GEOID09)

TEMPORARY BENCHMARK 1, N-10230906.00 E-3546290.54 U-2368.50  
 5.8' R/W FROM RED PLASTIC CAP STAMPED "RECONSTRUCTION" SURVEY CONTROL POINT ON THE SOUTHEAST CORNER OF THE WILLIAM JOHNSON HIGHWAY INTERSECTION AND A HOUSTON AVENUE, -5.8' FROM THE BACK CURB

TEMPORARY BENCHMARK 2, N-10230705.54 E-3545334.14 U-2371.47  
 5.8' R/W FROM RED PLASTIC CAP STAMPED "RECONSTRUCTION SURVEY CONTROL POINT" SET ON THE SOUTHEAST CORNER OF THE WILLIAM JOHNSON HIGHWAY INTERSECTION AND A HOUSTON AVENUE, -5.8' FROM THE BACK CURB

TEMPORARY BENCHMARK 3, N-10230600.23 E-3542272.01 U-2374.80  
 5.8' R/W FROM RED PLASTIC CAP STAMPED "RECONSTRUCTION SURVEY CONTROL POINT" SET ON THE SOUTHEAST CORNER OF THE WILLIAM JOHNSON HIGHWAY INTERSECTION AND A HOUSTON AVENUE, -5.8' FROM THE BACK CURB AND -18' EAST OF THE HOUSTON AVENUE PAYMENT.

NOTES:  
 COORDINATES SHOWN HEREIN ARE SURFACE STATE PLANE COORDINATES. DISTANCES SHOWN HEREIN ARE SURFACE DISTANCES. UNLESS OTHERWISE NOTED, TO OBTAIN GRID DISTANCES (NOT AREAS) DIVIDE BY A COMBINED SCALE FACTOR OF 0.999992444 (LOCAL USE) USING GEOID09.



## 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:

- 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.
- 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.
- 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.
- COORDINATION: COORDINATE AND COOPERATE WITH OTHER CONTRACTORS TO ENABLE THE WORK TO PROCEED AS RAPIDLY AND EFFICIENTLY AS POSSIBLE.
- INSPECTION OF SITE:
  - 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 FOUND DURING EXCAVATIONS, CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER'S CONSTRUCTION REPRESENTATIVE FOR INSTRUCTIONS AS TO FURTHER ACTION. FAILURE TO DO SO WILL MAKE CONTRACTOR LIABLE FOR ANY AND ALL DAMAGE THEREO ARISING FROM HIS OPERATIONS SUBSEQUENT TO DISCOVERY OF SUCH UTILITIES NOT SHOWN IN PLANS.

- CONTRACTOR SHALL MAKE NECESSARY ADJUSTMENTS IN THE LAYOUT AS MAY BE REQUIRED TO CONNECT TO EXISTING STUBS, SHOULD SUCH STUBS 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.

- 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.

- 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.

- 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.

- WORK SCHEDULE: WITHIN 10 DAYS AFTER AWARD OF THE CONTRACT, THE CONTRACTOR SHALL SUBMIT TO THE OWNER A WORK SCHEDULE.

- "AS-BUILT" IRRIGATION DRAWINGS: PREPARE AN "AS-BUILT" DRAWING ON A FULL-SIZE PLAN SET WHICH SHALL SHOW DEVIATIONS FROM THE BID DOCUMENTS MADE DURING CONSTRUCTION AFFECTING THE MAIN LINE PIPE, 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.

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

- GARANTEE: ALL WORK SHALL BE GUARANTEED FOR ONE YEAR FROM DATE OF ACCEPTANCE AGAINST ALL DEFECTS IN MATERIAL, EQUIPMENT AND WORKMANSHIP. GUARANTEE SHALL ALSO COVER REPAIR OF DAMAGE TO ANY PART OF THE PREMISES 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.

- 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:

- GENERAL: ALL MATERIALS THROUGHOUT THE SYSTEM SHALL BE NEW AND IN PERFECT CONDITION.
- PLASTIC PIPING: ALL MAIN LINES AND LATERAL LINES SHALL BE CLASS 200 POLYVINYL CHLORIDE (PVC) PIPE AND SHALL COMPLY WITH ONE OF THE FOLLOWING STANDARDS: ASTM D 1785, ASTM D-2241, AWWA C-900, OR AWWA C-905. SDR-PR PIPE SHALL HAVE A MINIMUM WALL THICKNESS AS REQUIRED BY SDR-26. PVC GASKETS/FITTINGS SHALL CONFORMING TO ASTM D 1318. GASKETS SHALL CONFORM TO ASTM F 417. SOLVENT-WELD PVC FITTINGS SHALL MEET THE REQUIREMENTS OF SCHEDULE 40 AS SET FORTH IN ASTM D 2466. THREADED PVC PIPE FITTINGS SHALL MEET THE REQUIREMENTS OF SCHEDULE 40 AS SET FORTH IN ASTM D 2464. CONFORMING TO ASTM D-1784 AND D-2241.
- PLASTIC FITTINGS: ALL SOLVENT-WELD PVC FITTINGS SHALL MEET THE REQUIREMENTS OF SCHEDULE 40 AS SET FORTH IN ASTM D 2466. SCHEDULE 40 SOLVENT-WELD, POLYVINYL CHLORIDE (PVC) STANDARD WEIGHT AS MANUFACTURED BY SLOAN, LASCO, OR APPROVED EQUAL.
- SOLVENT CEMENT: PVC CEMENT SHALL MEET ASTM D 2564 AND PVC CLEANER-TYPE SHALL MEET ASTM F 656.
- SPRINKLER HEAD RISERS: SCHEDULE 40 PVC FOR RISERS, PIPE SHALL BE CUT WITH A STANDARD PIPE CUTTING TOOL WITH SHARP CUTTERS. REAM ONLY TO FULL DIAMETER OF PIPE AND CLEAN ALL ROUGH EDGES OR BURRS. CUT ALL THREADS ACCURATELY WITH SHARP DIES. NOT MORE THAN THREE(3) FULL THREADS SHALL SHOW BEYOND FITTINGS WHEN PIPE IS MADE UP. ASSEMBLIES SHALL BE AS DETAILED.
- AUTOMATIC CONTROLLER: SEE LEGEND.
- REMOTE CONTROL VALVES: SEE LEGEND.
- CONTROL WIRING: CONVENTIONAL SYSTEMS TO USE 24 VOLT SOLID UL APPROVED FOR DIRECT BURIAL IN GROUND. MINIMUM WIRE SIZE: 14 GAUGE. ALL SPLICES SHALL BE MADE WITHIN VALVE BOX. TWO-WIRE SYSTEMS TO UTILIZE CONTROL WIRING PER MANUFACTURER STANDARDS.
- SLEEVES FOR CONTROL WIRING: UNDER ALL WALKS AND PAVED AREAS AND WHERE INDICATED ON DRAWINGS. MINIMUM PVC SCHEDULE 40 PLASTIC PIPE.
- SPRINKLER HEADS/ DRIP LINE: SEE LEGEND.
- QUICK COUPLING VALVES: SHALL BE NOTED ON DRAWINGS.

### D. WORKMANSHIP:

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

### E. INSTALLATION:

- EXCAVATION AND TRENCHING:
  - 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.
  - 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:
    - 24" MINIMUM BELOW BOTTOM PAVEMENT PER SLEEVING INSTALLATION DETAIL FOR MAIN LINE. 18" MINIMUM FOR NON-PRESSURIZED LATERALS.
    - MINIMUM COVER OVER IRRIGATION LINES TO HEADS/ DRIPLINE EXCEPT VEHICLE TRAFFIC AREAS ARE AS FOLLOWS:
      - 12" COVER OVER LATERALS
      - 18" COVER OVER MAINLINE
  - 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.
- PIPE LINE ASSEMBLY:
  - INSTALL REMOTE CONTROL VALVES WHERE SHOWN AND GROUP TOGETHER WHERE PRACTICAL, PLACE NO CLOSER THAN 12-18 INCHES TO WALK EDGES, WALLS, AND OTHER PAVEMENTS. PLACE A MINIMUM OF 24" FROM BUILDINGS.
  - 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.
  - PIPE MAY BE ASSEMBLED AND WELDED ON THE SURFACE. SNAKE PIPE FROM SIDE TO SIDE OF TRENCH BOTTOM TO ALLOW FOR EXPANSION AND CONTRACTION.
  - MAKE ALL CONNECTIONS BETWEEN PLASTIC PIPE AND METAL VALVES OR STEEL PIPE WITH THREADED FITTINGS USING PLASTIC MALE ADAPTERS.
- JOINTS:
  - PIPE SIZES 2 1/2 INCH OR SMALLER SHALL HAVE BELL AND SOCKET JOINTS.
  - PIPE SIZES LARGER THAN 2 1/2 INCH SHALL HAVE SNAP CONNECTIONS WITH RUBBER GASKET JOINTS.
  - THRUST BLOCKING SHALL BE REQUIRED WHEN PIPE SIZE IS 4" OR GREATER.
- SPRINKLER HEADS/ DRIPLINE:
  - INSTALL ALL SPRINKLERS/ DRIPLINE AS DETAILED ON DRAWINGS.
  - DO NOT SCALE PLANS FOR EXACT HEAD LOCATION.
- CLOSING OF PIPE AND FLUSHING LINES:
  - 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 INSTALLATION.
  - THOROUGHLY FLUSH OUT ALL WATER LINES BEFORE INSTALLING HEADS, DRIPLINE, VALVES, AND OTHER HYDRANTS.
  - TEST IN ACCORDANCE WITH PARAGRAPH ON HYDROSTATIC TESTS.
  - UPON COMPLETION OF THE TESTING, THE CONTRACTOR SHALL COMPLETE ASSEMBLY AND ADJUST SPRINKLER HEADS FOR PROPER DISTRIBUTION.
- INSPECTIONS:
  - 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.
  - PIPE INSTALLATION DEPTH INSPECTION: ALL PIPES IN THE SYSTEM SHALL BE INSTALLED TO DEPTHS AS PREVIOUSLY DESCRIBED IN SECTION "C" OF THESE SPECIFICATIONS.
  - OPEN TRENCH INSPECTION: THE TRENCH AND ALL JOINTS AND EVERY TRANSITION IN PIPE SIZE, WILL BE OPEN WHERE OPEN TRENCH INSPECTION IS REQUIRED.
  - 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.

### F. CLEAN-UP:

- REMOVE FROM THE SITE ALL DEBRIS RESULTING FROM WORK OF THIS SECTION.

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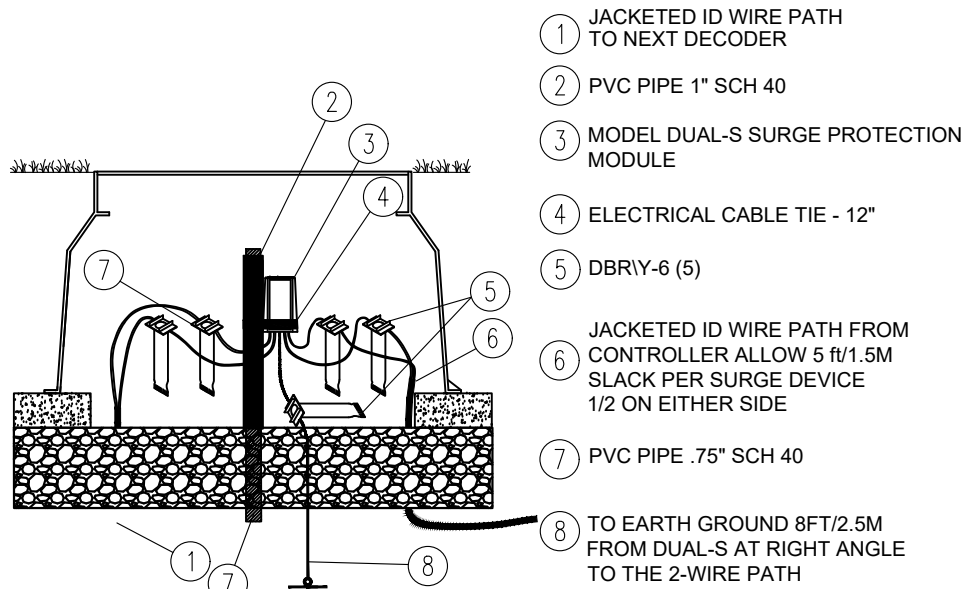
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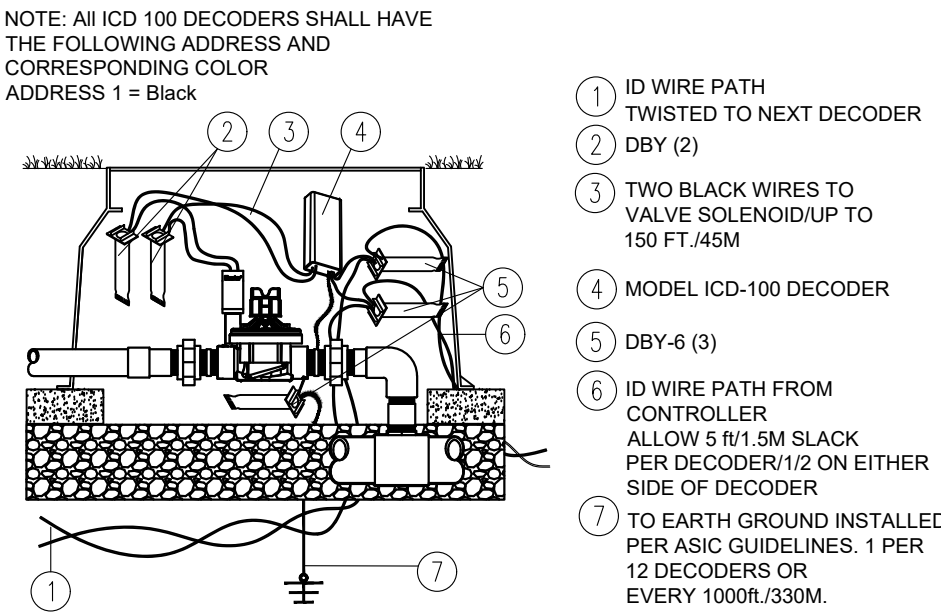
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## DUAL-S SURGE DEVICE

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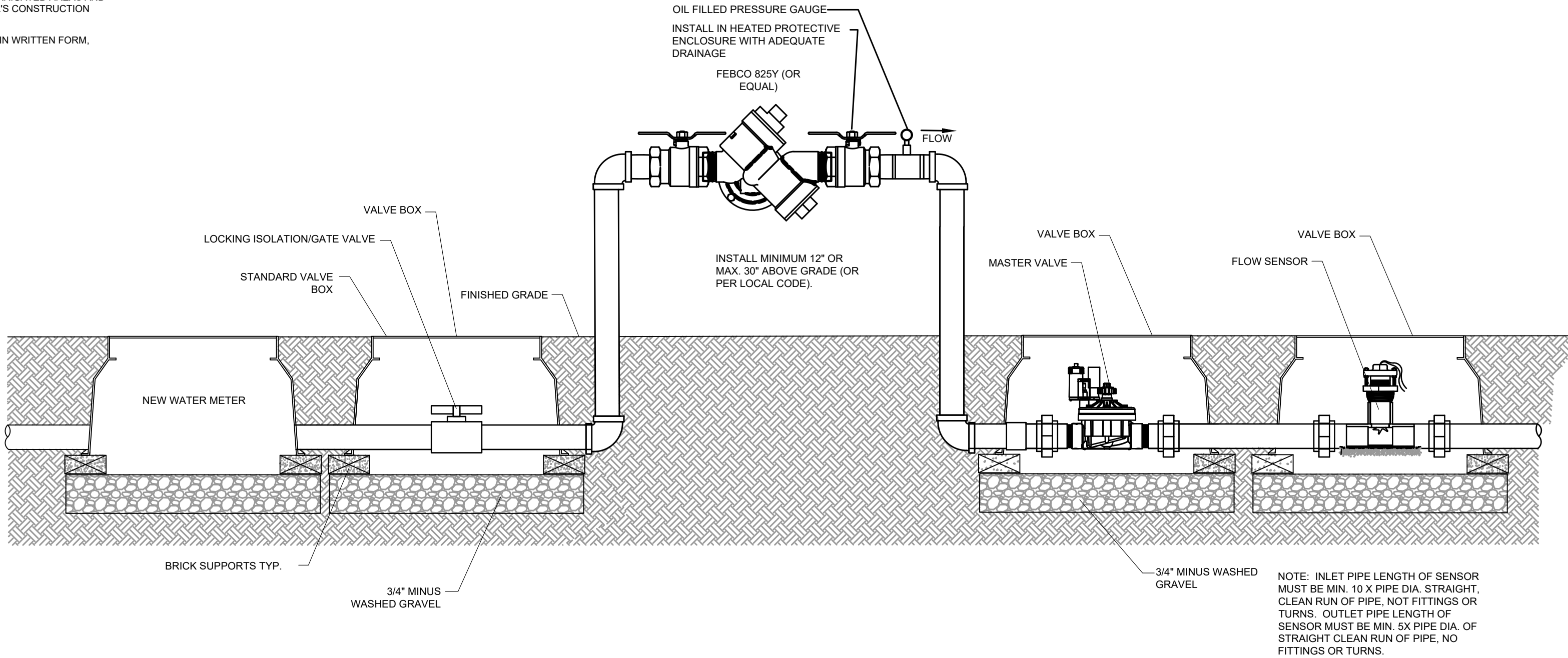
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## ICD 100 DECODER

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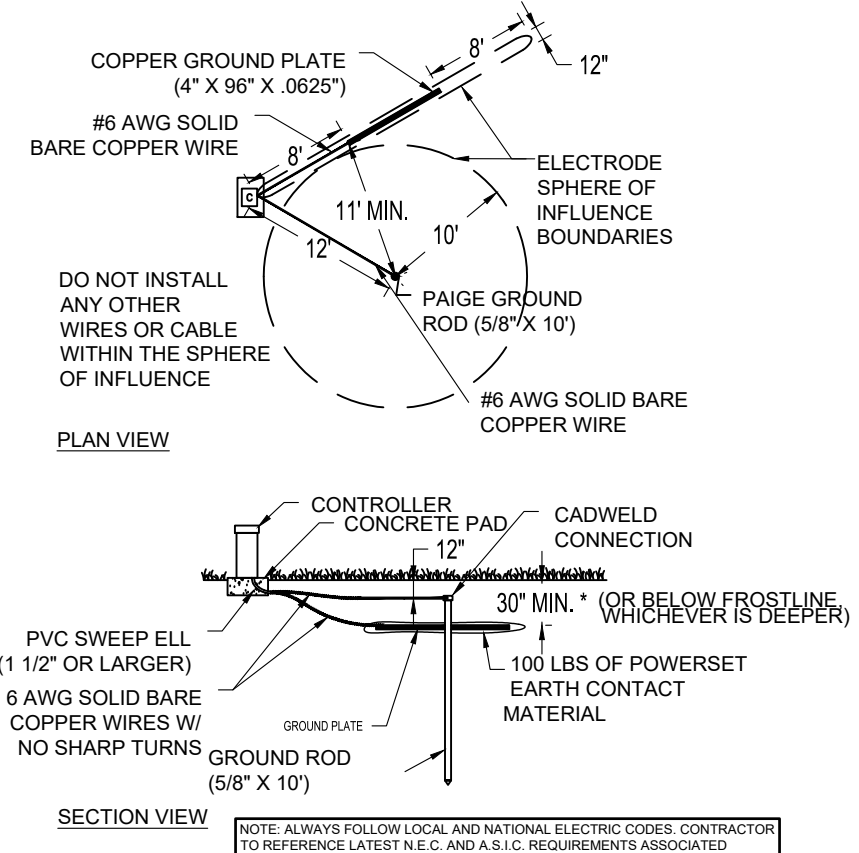
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## RPZ Assembly Backflow Preventer with Flow Sensor

Scale: N.T.S.

D



## CONTROLLER GROUNDING

Scale: N.T.S.

A

BENCH MARK LIST			
PROJECT BENCHMARK: N1020096-40, E3540037-34, Z331-40 CITY OF BRYAN MONUMENT GPS-35 (ELEVATION DATUM NAVD 83, GROUND)	TEMPORARY BENCHMARK: 1, N-1021008-54, E-3540201-54, Z-331-40, 58" IR WITH RED PLASTIC CAP STAMPED: "BIRM" SURV CONTROL POINT SET ON EAST SIDE OF N. HOUSTON AVENUE, 2.7' FROM THE BACK OF CURB AND 10' SOUTH OF THE WILLIAM JOEL BRYAN PARK PAVEMENT	TEMPORARY BENCHMARK: 2, N-1020070-54, E-3540201-54, Z-331-40, 58" IR WITH RED PLASTIC CAP STAMPED: "BIRM" SURV CONTROL POINT SET ON THE SOUTHWEST CORNER OF THE INTERSECTION OF E. 20TH STREET AND N. HOUSTON AVENUE, 1.5' FROM THE BACK OF CURB AND 10' EAST OF THE WILLIAM JOEL BRYAN PARK PAVEMENT	TEMPORARY BENCHMARK: 3, N-1020001-23, E-3540222-01, Z-331-40, 58" IR WITH RED PLASTIC CAP STAMPED: "BIRM" SURV CONTROL POINT SET ON THE SOUTH SIDE OF E. 20TH STREET, 3.7' FROM THE BACK OF CURB AND 10' EAST OF THE WILLIAM JOEL BRYAN PARK PAVEMENT
NOTES: COORDINATES SHOWN HEREON ARE TEXAS STATE PLANE COORDINATES. ZONE SURFACE (NOT GRID) AND COORDINATES DISTANCES SHOWN HEREON ARE SURFACE DISTANCES UNLESS OTHERWISE NOTED. TO OBTAIN GRID DISTANCES NOT AREAS DIVIDE BY A COMBINED SCALE FACTOR OF 1.00012125847445 (CALCULATED USING GRS83).			

**Kimley»Horn**

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PROJECT No.: 060037800	DATE: 01/29/2025	SCALE: AS SHOWN	DESIGNED BY: BDM	DRAWN BY: LC	CHECKED BY: BDM
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## IRRIGATION DETAILS

## BRAZOS COUNTY COURTHOUSE ANNEX BUILDING PREPARED FOR BRAZOS COUNTY BRYAN, TEXAS

SHEET NUMBER

LI 2.01

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