

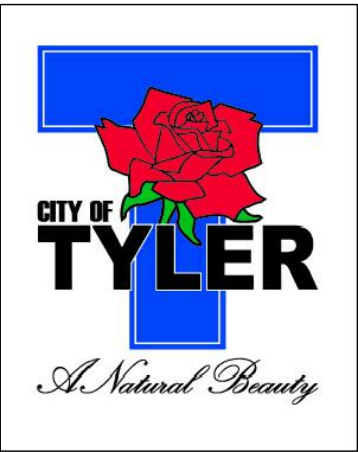
# CONSTRUCTION PLANS FOR LINDSEY PARK GCAA IMPROVEMENTS

12557 TX-364 SPUR WEST  
TYLER, TX. 75709

100% CONSTRUCTION DOCUMENTS

**OWNER**

CITY OF TYLER  
212 N. BONNER AVE.  
TYLER, TEXAS 75702  
CONTACT: LEANNE ROBINETTE  
EMAIL: LROBINETTE@TYLERTEXAS.COM  
TEL: (903) 531-1370



**MAYOR**

MR. DON WARREN

**COUNCIL MEMBERS**

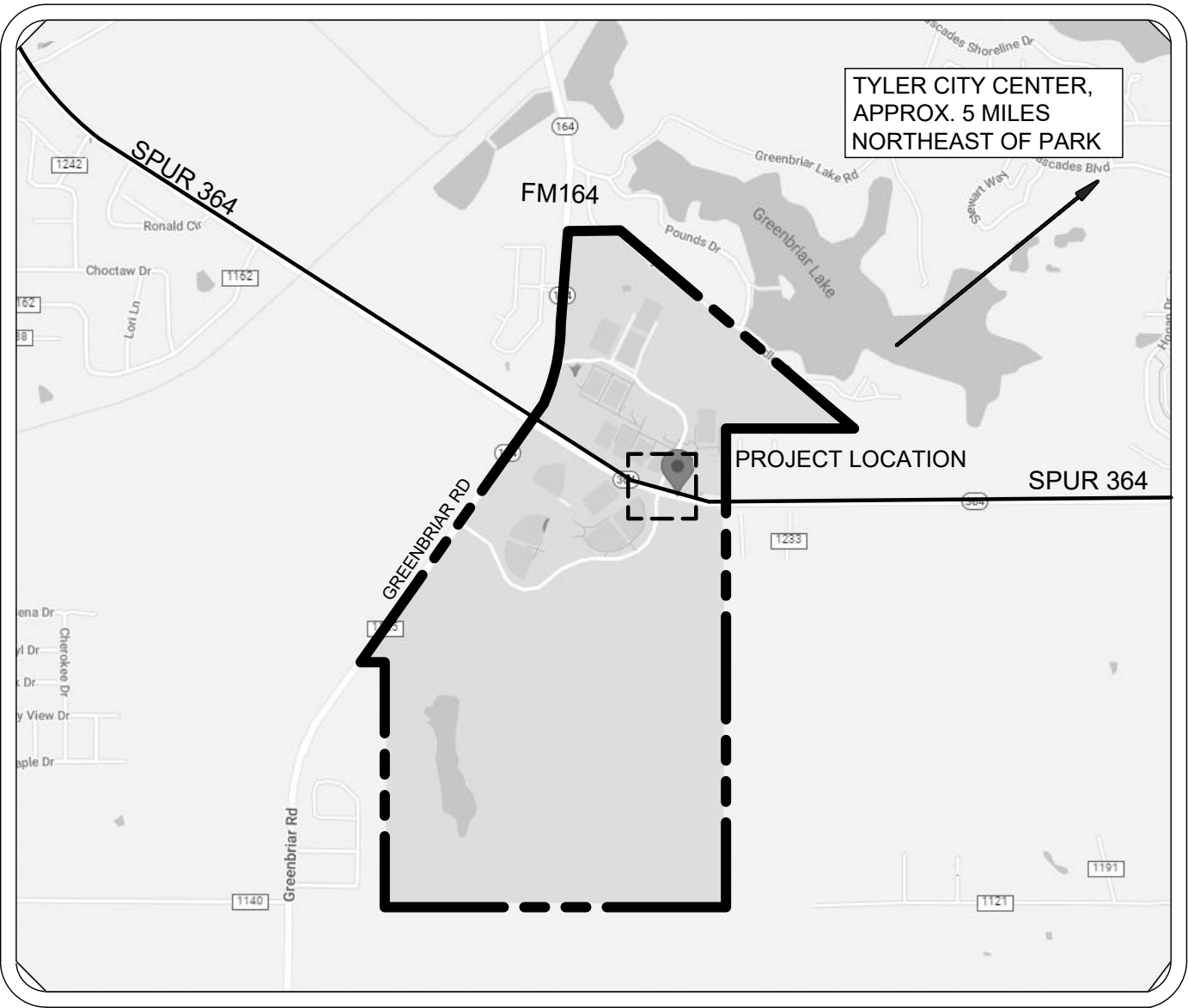
STUART HENE  
BRODERICK MCGEE  
SHIRLEY MCKELLAR  
JAMES WYNNE  
BOB WESTBROOK  
BRAD CURTIS

**CITY MANAGER**

EDWARD BROUSSARD

**DIRECTOR OF PARKS AND RECREATION**

LEANNE ROBINETTE



LINDSEY PARK VICINITY MAP  
NOT TO SCALE



**SHEET INDEX**

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THE SEAL(S) APPEARING ON THIS CONSTRUCTION SET WERE AUTHORIZED BY:  
THOMAS HUBACEK, R.L.A. 2127

ON 10/2022  
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FORT WORTH, TEXAS 76137-2720  
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AVO: 47406    DATE: JANUARY 2023



**ENGINEERING**

HALFF ASSOCIATES  
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TEL: 903-617-5361

**LANDSCAPE ARCHITECTURE**

HALFF ASSOCIATES, INC.  
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CONTACT: KIRK WILSON  
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TEL: 817-764-7447



CONSTRUCTION GENERAL NOTES:

- TOPOGRAPHICAL & EXISTING CONDITIONS INFORMATION ARE SHOWN ON PLANS BY HALFF ASSOCIATES. TOPOGRAPHICAL SURVEY IS BY SUMMIT SURVEYING, INC. OF TYLER, TX. CONTRACTOR TO NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN THE PLAN TOPOGRAPHY AND THE CURRENT EXISTING CONDITIONS.
- CONTRACTOR SHALL VERIFY THE LOCATION, SIZE AND MATERIAL & ALL EASEMENTS & ROW OF ALL UTILITIES AFFECTED BY CONSTRUCTION PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL CONTACT ALL AFFECTED UTILITY COMPANIES 48 HOURS PRIOR TO CONSTRUCTION. FOR UTILITY LOCATIONS AND TO OBTAIN A LIST OF KNOWN UTILITY COMPANIES, CONTRACTOR SHALL CONTACT "TEXAS 811" (PREVIOUSLY DIG TESS). CONTRACTOR TO COORDINATE UTILITY CONCERNS AS MARKED ON PLAN WITH THE CITY OF TYLER REP.
- CONTRACTOR TO NOTIFY THE CITY WHEN ANY DISCREPANCY IS FOUND BETWEEN PLANS AND EXISTING CONDITIONS. IN THE EVENT A DISCREPANCY IS FOUND THE CONTRACTOR WILL NOTIFY THE LANDSCAPING ARCHITECT AND MAKE FIELD ADJUSTMENTS TO CORRECT ANY PROBLEM.
- THE CONTRACTOR IS RESPONSIBLE FOR SECURING ACCESS TO THE CONSTRUCTION SITE, SUBJECT TO APPROVAL FROM THE CITY OF TYLER AND FOR SECURING THE CONSTRUCTION SITE FOR PUBLIC SAFETY.
- WHERE EXISTING UTILITIES OR SERVICE LINES ARE CUT, BROKEN OR DAMAGED, THE CONTRACTOR SHALL REPLACE OR REPAIR THE UTILITIES OR SERVICE LINES WITH THE SAME TYPE OF MATERIAL AND CONSTRUCTION, OR BETTER, UNLESS OTHERWISE SHOWN OR NOTED ON THE PLANS, AT HIS OWN COST AND EXPENSE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT AT ONCE OF ANY CONFLICTS IN GRADES AND ALIGNMENT.
- EXISTING UTILITIES SHOWN ARE TAKEN FROM AVAILABLE RECORDS PROVIDED BY THE UTILITY CITY AND FIELD LOCATIONS OF SURFACE APPURTENANCES. LOCATIONS SHOWN ARE GENERALLY SCHEMATIC IN NATURE AND MAY NOT ACCURATELY REFLECT THE SIZE AND LOCATION OF EACH PARTICULAR UTILITY. SOME UTILITY LINES MAY NOT BE SHOWN. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ACTUAL FIELD LOCATION AND PROTECTION OF EXISTING FACILITIES WHETHER SHOWN OR NOT. CONTRACTOR SHALL ALSO ASSUME RESPONSIBILITY FOR REPAIRS TO EXISTING FACILITIES, WHETHER SHOWN OR NOT, IF DAMAGED BY CONTRACTOR'S ACTIVITIES. DIFFERENCES IN HORIZONTAL OR VERTICAL LOCATION OF EXISTING UTILITIES SHALL NOT BE A BASIS FOR ADDITIONAL PAYMENT TO THE CONTRACTOR.
- THE CONTRACTOR IS RESPONSIBLE FOR KEEPING SIDEWALKS AND ROADS ADJACENT TO THE PROJECT SITE FREE FROM MUD AND DEBRIS FROM THE CONSTRUCTION SITE.
- THE ACCESS AND WORK AREAS SHALL BE SECURED DURING NON-WORKING HOURS.
- CONTRACTOR IS RESPONSIBLE FOR, AND MUST OBTAIN PRIOR TO CONSTRUCTION, ALL NECESSARY CONSTRUCTION PERMITS REQUIRED BY THE CITY OF TYLER AND TX DOT.
- ADEQUATE MEASURES SHALL BE TAKEN TO PREVENT EROSION USING THE APPROPRIATE EROSION CONTROL BMPs. IN THE EVENT THAT SIGNIFICANT EROSION OCCURS AS A RESULT OF CONSTRUCTION, THE CONTRACTOR SHALL RESTORE THE AFFECTED AREAS TO ORIGINAL CONDITION OR BETTER.
- PRIOR TO CONSTRUCTION, A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH REPRESENTATIVES FROM ALL CONTRACTORS, THE LANDSCAPE ARCHITECT, TXDOT AND THE CITY OF TYLER.
- BARRICADING AND TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM TO THE LATEST VERSION OF THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", PART VI IN PARTICULAR. TRAFFIC FLOW AND ACCESS SHALL BE MAINTAINED DURING ALL PHASES OF THE CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TRAFFIC SAFETY MEASURES FOR WORK ON PROJECT.
- ANY DAMAGES THAT MAY OCCUR TO REAL PROPERTY OR EXISTING IMPROVEMENTS SHALL BE RESTORED BY THE CONTRACTOR TO AT LEAST THE SAME CONDITION THAT THE REAL PROPERTY OR EXISTING IMPROVEMENTS WERE IN PRIOR TO THE DAMAGES. THIS RESTORATION SHALL BE SUBJECT TO THE CITY'S APPROVAL; MOREOVER, THIS RESTORATION SHALL NOT BE A BASIS FOR ADDITIONAL COMPENSATION TO THE CONTRACTOR. RESTORATION SHALL INCLUDE, BUT NOT BE LIMITED TO, REGRASSING, REVEGETATION, REPLACING FENCES, REPLACING TREES, ETC.
- CONSTRUCTION TRAFFIC ROUTES SHALL BE COORDINATED WITH THE CITY OF TYLER AND TX DOT PRIOR TO CONSTRUCTION. ALL DISTURBED & COMPACTED AREAS DUE TO CONSTRUCTION SHALL BE AERATED AND SEEDED & MULCHED TO ORIGINAL CONDITION AT NO EXPENSE TO THE CLIENT.
- PRIOR TO CONSTRUCTION, THE CITY OR CITY'S REPRESENTATIVE SHALL APPROVE THE LOCATION OF ALL EROSION CONTROL METHODS.
- THE CONTRACTOR SHALL USE THE LIMITS OF SILT FENCE AS THE LIMITS OF DISTURBANCE AND ACCESS UNLESS OTHERWISE APPROVED BY THE CITY OR CITY'S REPRESENTATIVE.
- CITY ASSUMES NO RESPONSIBILITY FOR ACTUAL CONDITION OF AREAS TO BE DEMOLISHED.
- CONTRACTOR SHALL PERFORM WORK IN A MANNER CONSISTENT WITH ALL REGULATIONS TO ELIMINATE HAZARDS TO PERSONS OR PROPERTY AND AVOID INTERFERENCE WITH ADJACENT AREAS, UTILITIES, AND STRUCTURES.
- PARCELS AND LOT LINES SHOWN ON THE PLAN AND SHEET INDEXES ARE SHOWN FOR SCHEMATIC PURPOSES ONLY.
- BEFORE CONSTRUCTION, CONTRACTOR IS TO CONFIRM THE STAGING LOCATION AND COORDINATE WITH THE CITY. CONTRACTOR IS RESPONSIBLE FOR SECURING THESE LOCATIONS AND SHALL RETURN THE USED LOCATIONS TO ORIGINAL CONDITION OR BETTER UNLESS OTHERWISE SPECIFIED OR AGREED TO BY THE PROPERTY CITY

EROSION CONTROL NOTES:

- THE TOTAL DISTURBED AREA UNDER CONSTRUCTION IS LESS THAN 1 ACRES IN SIZE & THEREFORE NO STORM WATER POLLUTION PREVENTION PLAN (SW3P) IS REQUIRED, BUT THE CONTRACTOR SHALL INSTALL EROSION CONTROL BMPs TO PROTECT WATER QUALITY. THE DETAILS SHOWN ON THE SHEET REPRESENTS ONE TYPICAL METHOD FOR CONTROLLING EROSION DURING CONSTRUCTION AND IS INTENDED AS A SUGGESTION FOR THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EROSION CONTROL DURING CONSTRUCTION AND FOR OBTAINING ANY REQUIRED CONSTRUCTION RELATED DRAINAGE PERMITS, OR MAKING ANY CONSTRUCTION RELATED NOTIFICATIONS.
- TEMPORARY STORM DRAINAGE AND/OR EROSION CONTROL MATERIAL SHALL BE SUITABLE FOR THIS APPLICATION AND SHALL BE INSTALLED WITH THE PROPER TECHNIQUES BY THE CONTRACTOR AS REQUIRED BY TX DOT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. TEMPORARY STORM DRAINAGE AND/OR EROSION CONTROL MATERIAL SHALL BE REMOVED BY THE CONTRACTOR, IN ADDITION TO ANY EXCAVATIONS BACKFILLED BY THE CONTRACTOR, IN ACCORDANCE WITH TX DOT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION WHEN TEMPORARY EROSION CONTROL DEVICES ARE NO LONGER NEEDED AS SPECIFIED IN THE PERMIT. MAINTENANCE OF THE PERMANENT EROSION CONTROL MEASURES AT THE SITE WILL BE ASSUMED BY THE CITY AT CONTRACT CLOSE OUT AND ACCEPTANCE OF THE WORK.
- THE CONTRACTOR SHALL INSPECT THE STABILIZATION AND EROSION CONTROL MEASURES AT A MINIMUM OF ONCE EVERY 14 DAYS, AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCHES, OR ONCE EVERY 7 DAYS. THE CONTRACTOR SHALL REPAIR INADEQUACIES REVEALED BY THE INSPECTION BEFORE THE NEXT STORM EVENT AND HE SHALL MODIFY HIS SWP3 WITHIN 7 DAYS OF THE INSPECTION.
- THE CONTRACTOR SHALL ADOPT AND IMPLEMENT APPROPRIATE CONSTRUCTION SITE MANAGEMENT PRACTICES TO PREVENT THE DISCHARGE OF OILS, GREASE, PAINTS, GASOLINE, AND OTHER POLLUTANTS TO STORM WATER. APPROPRIATE PRACTICES SHALL INCLUDE, BUT NOT BE LIMITED TO: DESIGNATING AREAS FOR EQUIPMENT MAINTENANCE AND REPAIR; COLLECTING WASTES PERIODICALLY; MAINTAINING CONVENIENTLY LOCATED WASTE RECEPTACLES, AND DESIGNATING AND CONTROLLING EQUIPMENT WASHDOWN.
- BORROW AREAS, IF EXCAVATED, SHALL BE PROTECTED AND STABILIZED BY THE CONTRACTOR IN A MANNER ACCEPTABLE TO THE CITY AND IN ACCORDANCE WITH PERMIT REQUIREMENTS.
- ALL NON-PAVED AREAS SHALL BE SODDED FOR WITH EROSION PROTECTION. BY THE CONTRACTOR IMMEDIATELY UPON COMPLETION OF FINAL GRADING. THIS INCLUDES ALL DITCHES AND EMBANKMENTS. THE CONTRACTOR SHALL MAINTAIN FINAL GRADING, AND KEEP SEEDED AREAS WATERED UNTIL FULLY ESTABLISHED AND ACCEPTED BY CITY.
- THE CONTRACTOR SHALL CONSTRUCT A SILT FENCE AT LOCATIONS SUGGESTED ON PLANS AS APPROPRIATE TO FIT SITE CONDITIONS AT THE TIME OF PLACEMENT, AND ALL BORROW AND STOCK PILE AREAS. THE SILT FENCE SHALL BE CONSTRUCTED AS DETAILED SHT. L3.00, DET. 3. THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN IT REACHES A DEPTH OF 1/3 THE HEIGHT OF THE SILT FENCE. THE CONTRACTOR SHALL DISPOSE OF THE REMOVED SILT IN A LOCATION APPROVED BY THE CITY AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO EROSION AND SEDIMENTATION. THE CONTRACTOR SHALL REMOVE THE SILT FENCE WHEN THE SITE IS COMPLETELY STABILIZED IN ACCORDANCE WITH THE PERMIT.
- THE CONTRACTOR SHALL DESIGNATE MATERIAL AND EQUIPMENT STORAGE AREAS MUTUALLY AGREED TO BY THE CITY. THE STORAGE AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE, AND THE SURFACE STABILIZED WITH A MINIMUM OF 2 INCHES OF COMPACTED FLEX BASE ON 6 INCHES OF SCARIFIED AND RECOMPACTED SUBGRADE BY THE CONTRACTOR. A SILT FENCE SHALL BE INSTALLED BY THE CONTRACTOR AROUND THE STORAGE AREAS TO PREVENT ERODED MATERIAL FROM LEAVING THE SITE. EROSION CONTROL SHOWN ON PLANS IS THE MINIMUM LEVEL OF PROTECTION AND SHALL BE ADJUSTED IF THE CITY OR SITE CONDITIONS WARRANT AT NO EXTRA COST. CONTRACTOR TO REESTABLISH VEGETATION UPON COMPLETION OF PROJECT.
- ALL INLETS (ONSITE AND OFFSITE) RECEIVING DRAINAGE WATER FROM DISTURBED AREAS SHALL BE PROTECTED BY THE CONTRACTOR AS PER DETAILS SHOWN OR OTHER CITY APPROVED METHODS TO PREVENT ERODED MATERIAL FROM BEING TRANSPORTED INTO INLETS. THE INLET PROTECTION SHALL BE CONSTRUCTED AS SHOWN ON THESE PLANS.
- THE CONTRACTOR SHALL INSTALL AND PROPERLY MAINTAIN A CONCRETE WASHOUT PIT NEAR THE CONSTRUCTION EXITS. PLEASE REFER TO SHEET L3.00, DETAIL 4

CITY OF TYLER: GENERAL PAVING AND DRIVEWAYS NOTES

- ALL CONCRETE CURB AND GUTTER AND CONCRETE SIDEWALKS SHALL HAVE A COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS (MINIMUM). ALL CONCRETE VALLEY GUTTERS AND HEADERS SHALL HAVE A COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS (MINIMUM). ALL CONCRETE PAVEMENT, UNLESS NOTED OTHERWISE, SHALL HAVE A COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS (MINIMUM).
- ALL CONCRETE EDGES NOT CHAMFERED SHALL BE TOOLED.
- PAVEMENT SHALL BE CURED ACCORDING TO TXDOT STANDARD SPECIFICATIONS AND MUST BE VERIFIED (MEMBRANE CURING, POLYETHYLENE, ETC.) AT THE TIME OF INSPECTION.
- ALL CONTROL JOINTS ARE TO BE OPEN CUT TO A DEPTH OF 1/4 THICKNESS OF CONCRETE.
- ALL DRIVEWAYS SHALL HAVE 1" EXPANSION JOINTS ON 40' CENTERS.
- ON DRIVEWAYS 20' OR WIDER, A CONTROL JOINT SHALL BE PLACED IN THE CENTER OF THE DRIVEWAY AND SHALL EXTEND FROM THE TOE OF THE CURB TO THE RIGHT-OF-WAY.
- ALL SIDEWALKS SHALL HAVE 1" EXPANSION JOINTS ON 40' CENTERS WITH CONTROL JOINTS ON 4' OR 5' CENTERS.
- ALL CURB AND GUTTER SHALL HAVE 1/2" EXPANSION JOINTS ON 50' CENTERS WITH CONTROL JOINTS ON 10' CENTERS.
- ALL REINFORCING STEEL SHALL BE SUPPORTED BY CHAIRS.
- SUBGRADE SHALL BE COMPACTED TO A DENSITY OF 95% STANDARD PROCTOR AT +/- 2% OPTIMUM MOISTURE (ASTM D698). STANDING WATER, MUDDY SUBGRADE, OIL DIRT, SUGAR SAND OR UNSTABLE MATERIAL WILL BE REJECTED.
- STAMPED CONCRETE SURFACES ARE NOT ALLOWED ON ANY SIDEWALK SECTION OR DRIVEWAY APPROACH.
- ANY STREET PAVEMENT DAMAGED DURING DRIVEWAY CONSTRUCTION SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR. AT NO ADDITIONAL COST TO THE CITY.
- ALL ACCESSIBLE RAMPS SHALL HAVE A DETECTABLE WARNING IN ACCORDANCE WITH CURRENT TEXAS DEPARTMENT OF LICENSING AND REGULATION (TDLR) STANDARDS.
- PEDESTRIAN RAMPS SHALL BE IN ACCORDANCE WITH TXDOT SPECIFICATIONS AND DETAILS, EXCEPT AS NOTED HEREIN, ADDITIONALLY, 4' SIDEWALKS ARE ALLOWED AND 1" EXPANSION JOINTS SHALL BE USED.

DEFINITIONS:

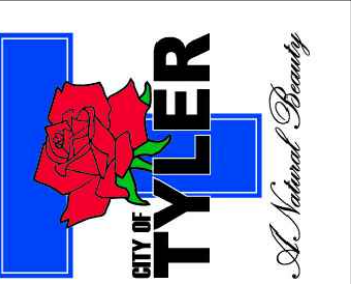
- MINOR DRIVEWAY - A DRIVEWAY PROVIDING ACCESS TO PROPERTY USED FOR A ONE OR TWO FAMILY RESIDENTIAL DWELLING
- MAJOR DRIVEWAY - A DRIVEWAY PROVIDING ACCESS TO PROPERTY USED FOR ANY PURPOSE OTHER THAN A ONE OR TWO FAMILY RESIDENTIAL DWELLING.
- MAJOR STREET - ANY STREET DESIGNATED AS AN "ARTERIAL STREET" ON THE MASTER STREET PLAN, OR STREETS SERVING AS COLLECTORS FOR SUCH THOROUGHFARES. ALL OTHER STREETS ARE MINORS.



Know what's below.  
Call before you dig.

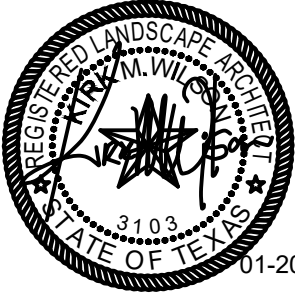
THE INFORMATION SHOWN ON THESE DRAWINGS INDICATING SIZE, TYPE AND LOCATION OF UNDERGROUND, SURFACE, AND AERIAL UTILITIES IS NOT GUARANTEED TO BE EXACT OR COMPLETE. THE CONTRACTOR SHALL CONTACT THE TEXAS "ONE CALL" SYSTEM AT 1-800-344-8377 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION FOR EXISTING UTILITY LOCATIONS. THE CONTRACTOR SHALL ALSO BE FULLY RESPONSIBLE FOR FIELD VERIFYING LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AFFECTED BY CONSTRUCTION FOR THIS PROJECT IN ORDER TO AVOID DAMAGING THOSE UTILITIES, AND SHALL IMMEDIATELY ARRANGE FOR REPAIR AND RESTORATION OF CONTRACTOR-DAMAGED UTILITIES TO THE UTILITY COMPANY'S APPROVAL AT THE EXPENSE OF THE CONTRACTOR.

LINDSEY PARK  
GCAA IMPROVEMENTS  
CONSTRUCTION DOCUMENTS  
TYLER, TX



**HALFF**  
4000 FOSSAL CREEK BLVD.  
TYLER, TEXAS 75701  
TEL (817) 847-1422  
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Revision No.	Date	Description



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GENERAL NOTES

G0.01

Sheet Number








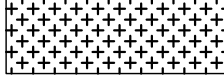




0 10 20 40

SCALE 1" = 20'-0"

FULL SIZE SHEET

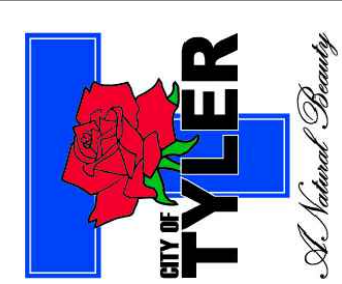
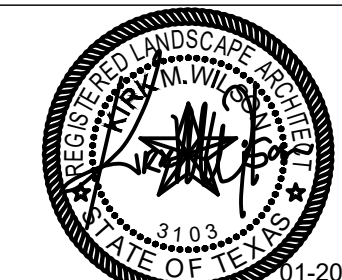
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SCALE 1" = 40'-0"  
HALF SIZE SHEET

EXISTING CONDITION LEGEND	
SYMBOL	DESCRIPTION
	TREE TO BE PROTECTED
	EXISTING PAVING TO BE REMOVED
	EXISTING ASPHALT TO BE REMOVED
	EXISTING TURF TO BE REMOVED
	CENTRAL WORK LIMITS
	TYP. EXISTING TREE
	KEYNOTE REFERENCE
	EXISTING CHAIN LINK FENCE TO BE REMOVED

1. INFORMATION PROVIDED ON THIS PLAN DOES NOT DELINEATE ANY UNDERGROUND FOUNDATIONS OR OBJECTS THAT CURRENTLY MAYBE COVERED.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER REMOVAL AND DISPOSAL OF MATERIALS AS REQUIRED BY THE CITY OF TYLER.
3. CONTRACTOR SHALL INSTALL APPLICABLE EROSION CONTROL MEASURES PRIOR TO SITE WORK COMMENCEMENT.
4. IF QUANTITIES ARE SHOWN, THEY ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY AND ACCURATELY GUARANTEE ALL QUANTITIES.
5. CONTRACTOR TO REMOVE PAVEMENT TO THE NEAREST JOINT. WHERE EXISTING CONCRETE AND PROPOSED CONCRETE MEET, THE CONTRACTOR IS TO PROVIDE AN EXPANSION JOINT UNLESS OTHERWISE NOTED.
6. CONTRACTOR TO NOTIFY THE OWNER OF ANY SITE ELEMENTS SUCH AS TRASH RECEPTACLES, DRINKING FOUNTAINS, AND/OR SITE FURNISHINGS THAT MAY BE IN CONFLICT WITH CONSTRUCTION PRIOR TO BEGINNING ANY WORK.
7. CONTRACTOR'S WORK SHALL INCLUDE PAVEMENT REMOVAL AND PROPER LEGAL DISPOSAL OF DEBRIS REQUIRED FOR NEW WALKS, DRIVES, CURBS, GUTTERS AND OTHER PAVING AND CONCRETE FEATURES. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION, INSPECTION AND TESTING REQUIRED BY THE OWNER AND/OR THE CITY OF TYLER.
8. CONTRACTOR TO LOGICALLY SEQUENCE THE DEMOLITION AND CONSTRUCTION PROGRESSION IN A WAY THAT IS LEAST DISRUPTIVE AND WITH PUBLIC SAFETY AS A PRIORITY. PROVIDE BARRICADES AND ALL MEANS AND METHODS TO PROTECT THE SAFETY OF THE PUBLIC.
9. CONTRACTOR TO PROVIDE SURVEY OF WORK AREA TO LEGALLY FIND ALL BOUNDARIES, RIGHT OF WAY, EASEMENTS, & OTHER RELATIVE FEATURES BEFORE CONSTRUCTION. (SEE BID ITEM 1)
10. PERIMETER EROSION CONTROL BMP'S SHALL BE IN PLACE PRIOR TO THE START OF DEMOLITION.

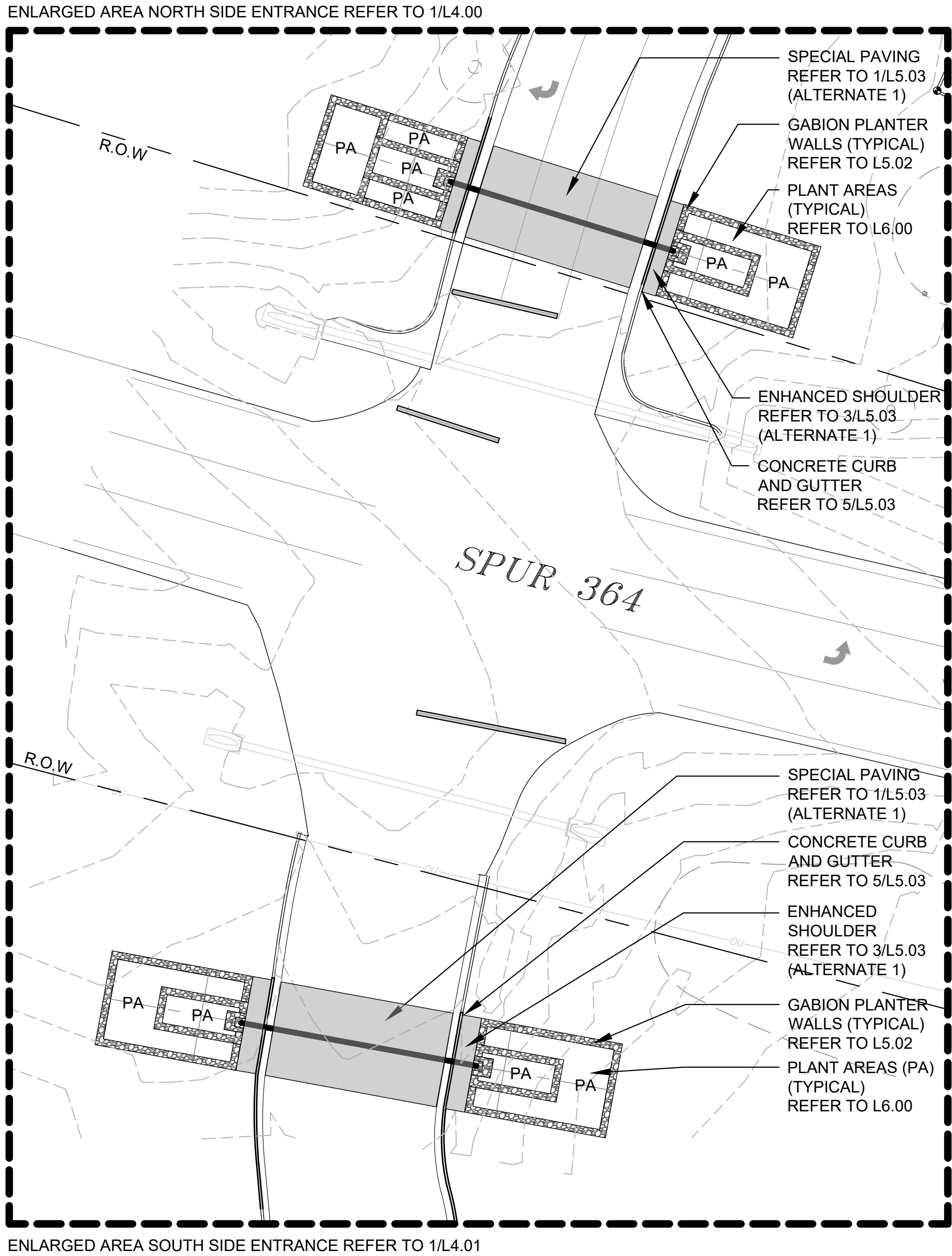
LINDSEY PARK  
GCAA IMPROVEMENTS  
CONSTRUCTION DOCUMENTS  
TYLER, TX

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Sheet Title	
EXISTING CONDITIONS AND DEMOLITION	
L1.00	
Sheet Number	

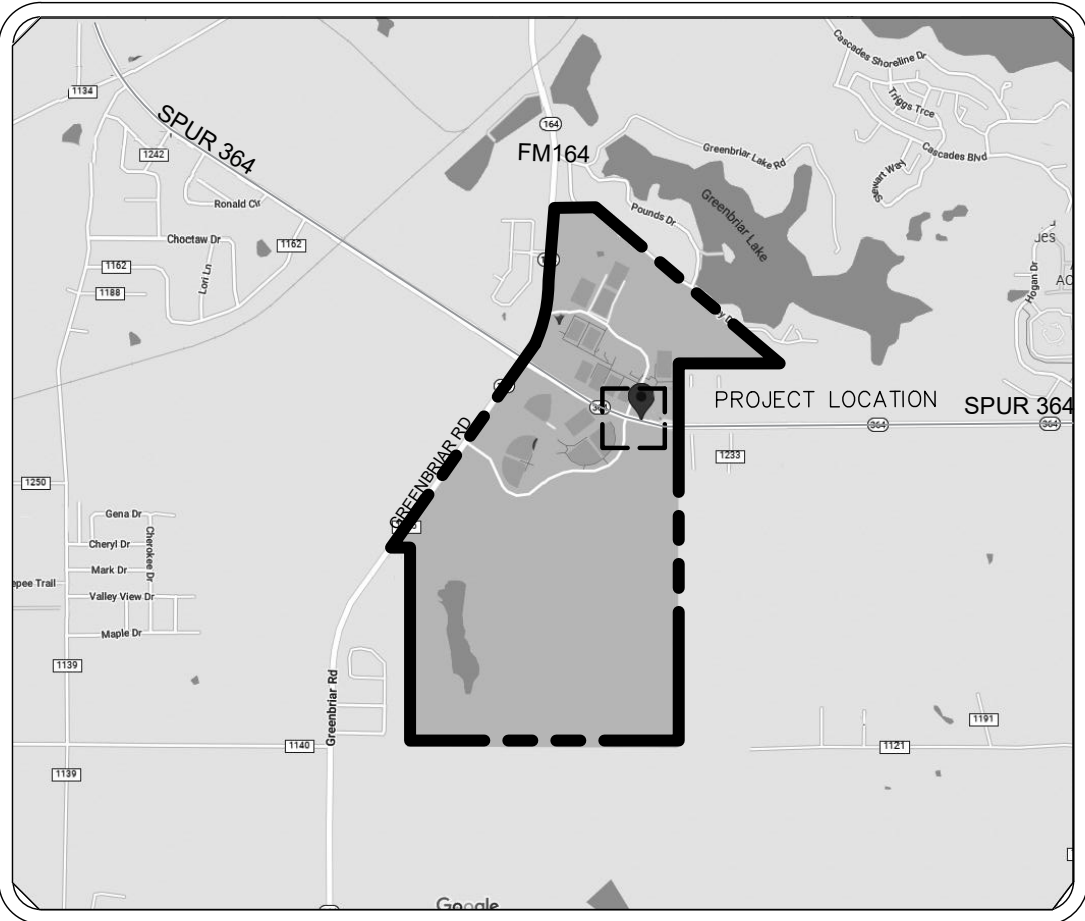




1

MASTER PLAN - SPUR 364 - LINDSEY PARK ENTRANCE

SCALE: 1" = 20'-0"

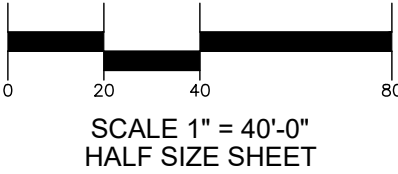
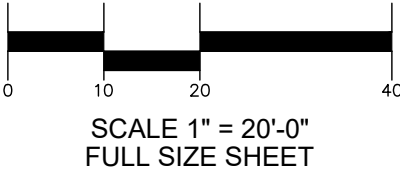


LINDSEY PARK VICINITY MAP  
NOT TO SCALE

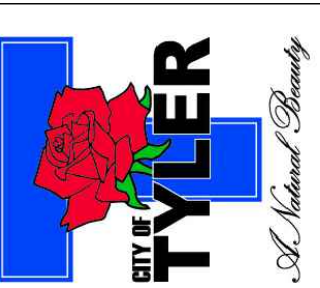


NOTES:

- CONTRACTOR TO PROVIDE 'OFFICIAL' SURVEY OF WORK AREA.
- CONTRACTOR TO STAKE OUT CORNERS OF GABION PLANTER PRIOR TO DEMOTION AND CONSTRUCTION. CITY TO CONFIRM GABION PLANTER LOCATIONS BEFORE WORK COMMENCES.
- REPORT ANY CONFLICTS WITH UTILITIES OR EASEMENTS WITH CITY IMMEDIATELY.

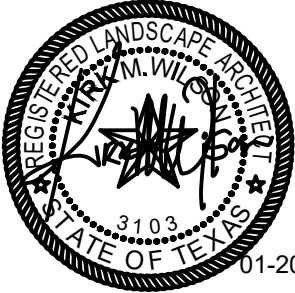


LINDSEY PARK  
GCAA IMPROVEMENTS  
CONSTRUCTION DOCUMENTS  
TYLER, TX



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FAX (214) 739-0066

Revision No.	Date	Description



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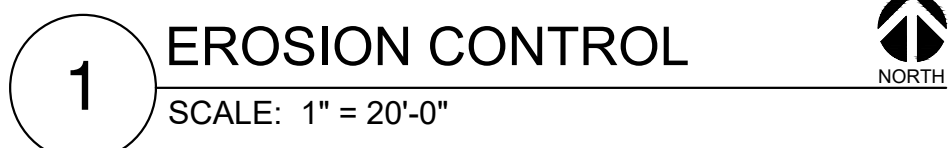
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MASTER PLAN

L2.00

Sheet Number



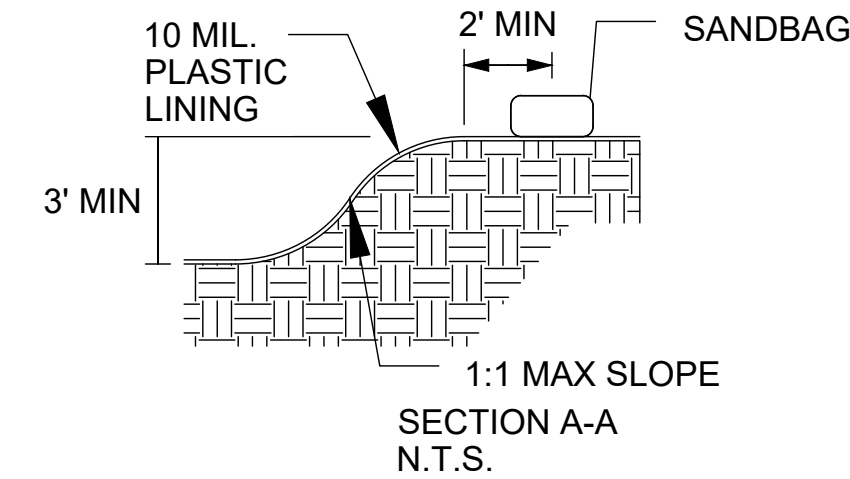


### CONTROL LOGS SHOULD BE PLACED IN THE FOLLOWING LOCATIONS

8. LENGTHS OF EROSION CONTROL LOGS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND AS REQUIRED FOR THE PURPOSE INTENDED.
9. UNLESS OTHERWISE DIRECTED, USE BIODEGRADABLE OR PHOTODEGRADABLE CONTAINMENT MESH ONLY WHERE LOG WILL REMAIN IN PLACE AS PART OF A VEGETATIVE SYSTEM. FOR TEMPORARY INSTALLATIONS, USE RECYCLABLE CONTAINMENT MESH.
10. FILL LOGS WITH SUFFICIENT FILTER MATERIAL TO ACHIEVE THE MINIMUM COMPACTED DIAMETER SPECIFIED IN THE PLANS WITHOUT EXCESSIVE DEFORMATION.
11. SANDBAGS USED AS ANCHORS SHALL BE PLACED ON TOP OF LOGS & SHALL BE OF SUFFICIENT SIZE TO HOLD LOGS IN PLACE.
12. TURN THE ENDS OF EACH ROW OF LOGS UPSLOPE TO PREVENT RUNOFF FROM FLOWING AROUND THE LOG.

1. WOVEN WIRE FENCE SHALL BE MINIMUM 14 GAUGE, 6" X 6"
2. THE WOVEN WIRE FENCING SHALL BE FASTENED TO THE UPSTREAM SIDE OF POSTS BY STAPLES OR WIRE TIES.
3. GEOTEXTILE FABRIC SHALL BE SECURELY FASTENED TO THE WOVEN WIRE FENCING.
4. MACHINE TRENCHED GEOTEXTILE SHALL BE TRENCHED VERTICAL AT LEAST 6" DEEP.

SILT FENCE  
PROPOSED CONTOUR  
EXISTING CONTOUR  
EROSION CONTROL LOG  
GRASS SOD



**SIDE VIEW (NOT TO SCALE)**

Diagram illustrating the side view of a trench box cross-section. The diagram shows the following components and dimensions:

- LOOP GEOTEXTILE FABRIC OVER POSTS AND WIRE.**
- FASTENER**
- WOVEN WIRE FENCE**
- GEOTEXTILE FABRIC**
- POST**
- COMPACTED SOIL**
- FLOW** (indicated by an arrow pointing right)
- Dimensions:**
  - Overall height: 36" MIN.
  - Height from ground line to top of fence: 24" - 32"
  - Height from ground line to bottom of trench: 24" MIN.
  - Height from ground line to bottom of compacted soil: 6" MIN.
  - Width of trench: 6" MIN.

**FRONT VIEW (NOT TO SCALE)**

Diagram illustrating the front view of the trench box cross-section. The diagram shows the following components and dimensions:

- HOG WIRE FASTENERS EVERY 2 FT.**
- 10" MAX O.C.\* STEEL POSTS**
- WOVEN WIRE FENCE BACKING**
- GROUND LINE**
- TRENCH - 6" MIN.**
- Dimensions:**
  - Overall height: 36" MIN.
  - Height from ground line to top of fence: 24" - 32"
  - Height from ground line to bottom of trench: 24" MIN.

\* AASHTO M-288 RECOMMENDS A 4 FT. POST SPACING.

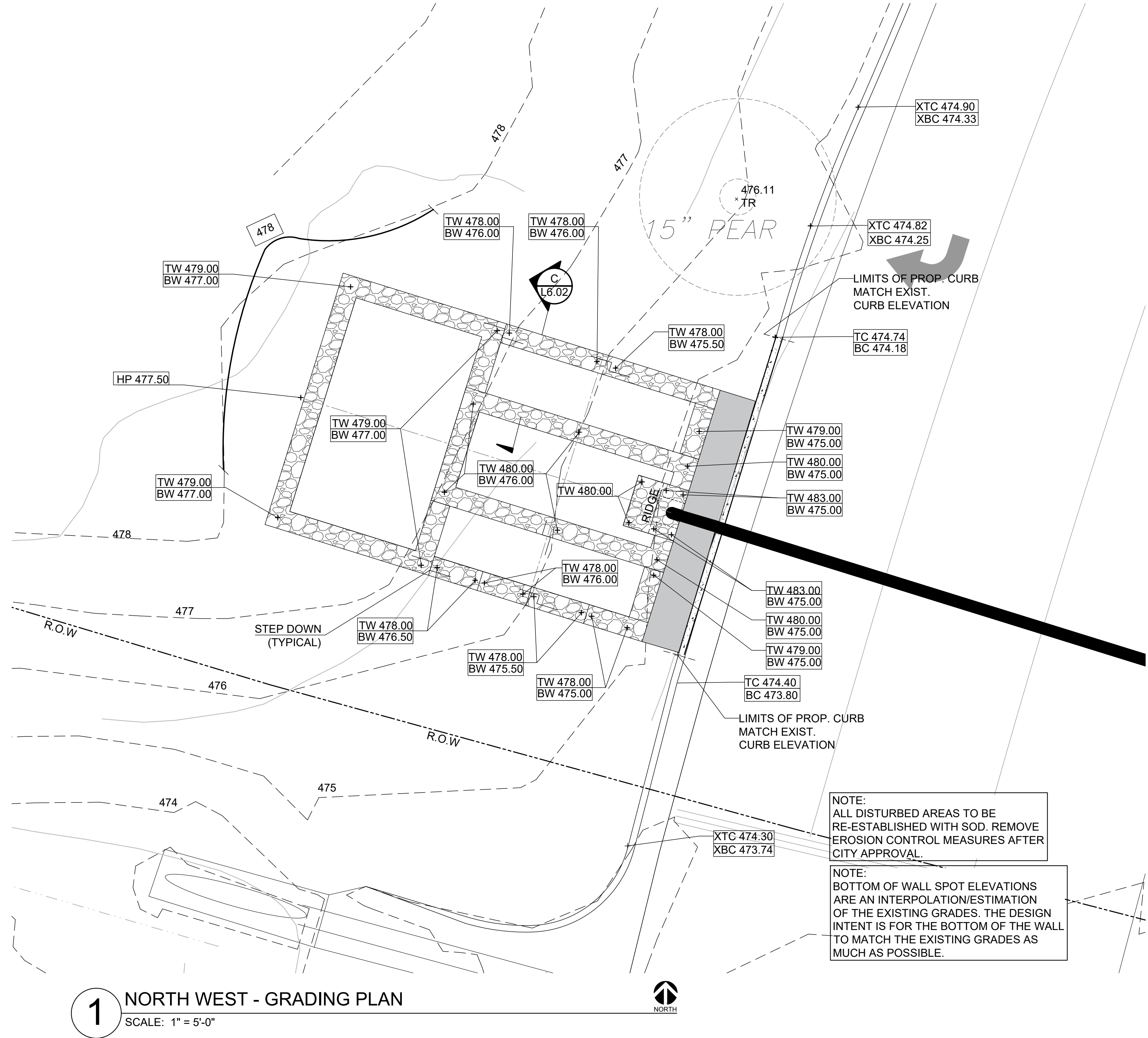
A perspective diagram showing a concrete flume installed on an asphalt road. The flume is a rectangular channel with a 6" curb on one side and 1 sandbag each side. It is supported by 2 wood ground stakes on one side only. A 6" erosion control log is placed inside the flume. An 18" gutter is shown at the entrance. Arrows indicate the flow direction. The diagram is labeled with the following components:

- 18" GUTTER
- 6" CURB
- 1 SANDBAG EACH SIDE
- CONCRETE FLUME
- 2 - WOOD GROUND STAKES (THIS SIDE ONLY)
- 6" EROSION CONTROL LOG
- ASPHALT ROAD
- FLOW

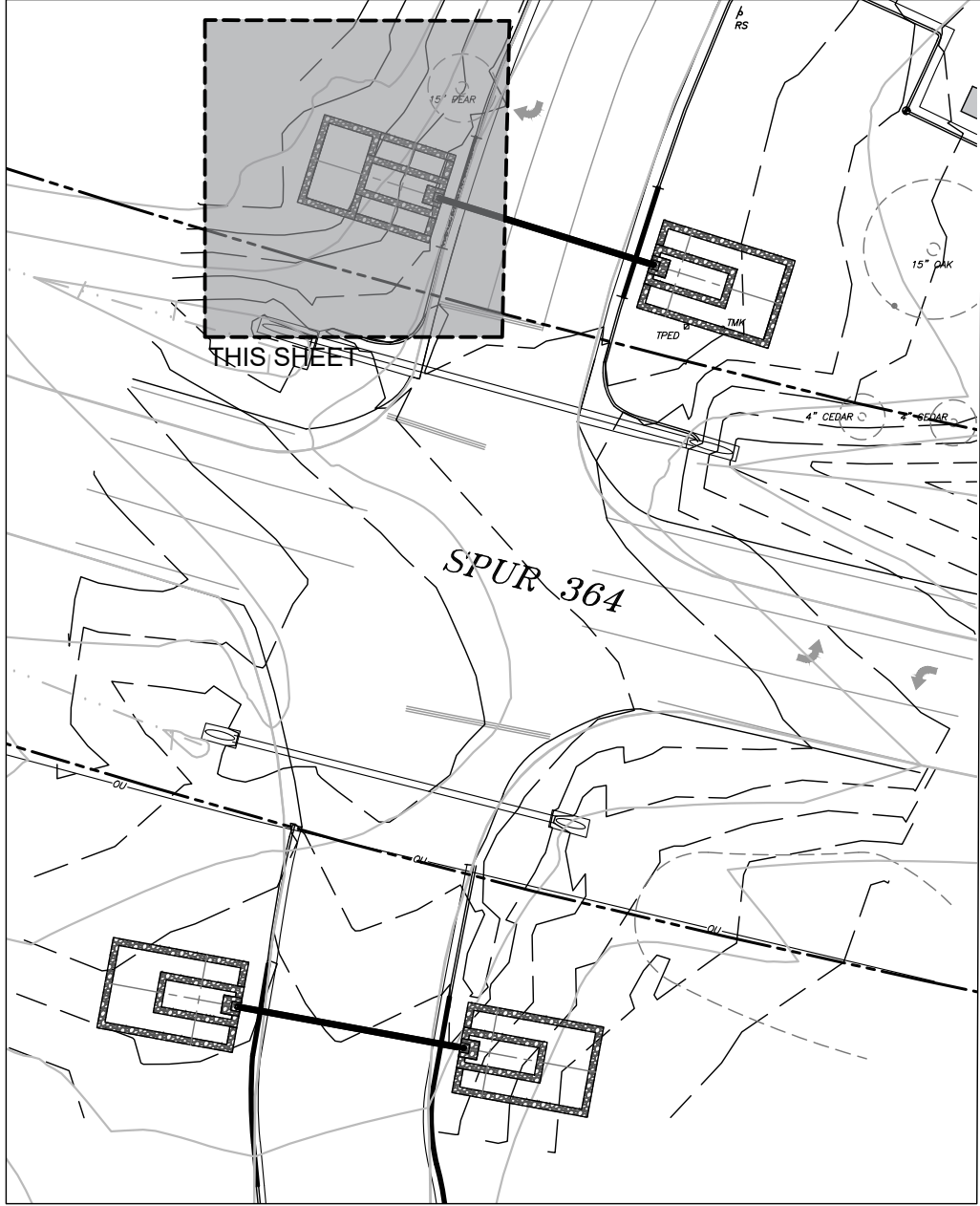
SCALE 1" = 20'-0"  
FULL SIZE SHEET

SCALE 1" = 40'-0"  
HALF SIZE SHEET





KEY MAP

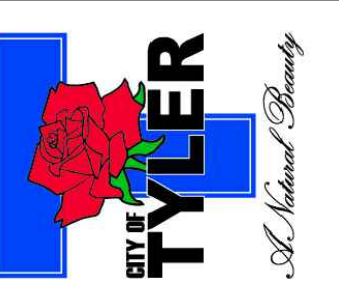
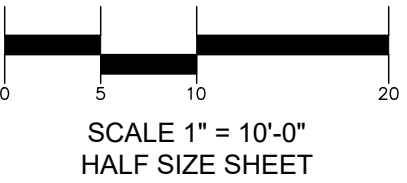
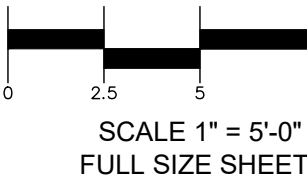


GRADING AND DRAINAGE NOTES

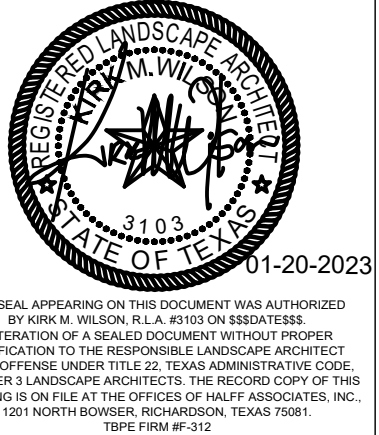
- CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS TO INCLUDE EXCAVATION, FILL, GRADING, AND WORK FROM PREVIOUS AND ONGOING CONTRACTS IN THE FIELD. CONTRACTOR SHALL REPORT ANY DISCREPANCIES IMMEDIATELY TO THE LANDSCAPE ARCHITECT FOR DIRECTION BEFORE PROCEEDING WITH THAT PORTION OF WORK.
- CONTRACTOR SHALL REQUEST A FIELD REVIEW BY THE LANDSCAPE ARCHITECT OF ALL FINISHED GRADING.
- CONTRACTOR SHALL CONSTRUCT FINISHED SURFACE AND FINISHED GRADE SO AS TO ENSURE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES AND INTO DRAINAGE STRUCTURES WHERE PROVIDED.
- CONTRACTOR SHALL EVENLY PITCH BETWEEN SPOT ELEVATIONS AND CONTOUR LINES UNLESS GRADE BREAKS, RIDGELINES, OR SWALES ARE INDICATED OR OTHERWISE NOTED. CONTRACTOR SHALL GRADE FINISH SURFACE TO PREVENT POOLING OF WATER. ANY DISCREPANCIES OR CONDITIONS NOT ALLOWING THIS TO OCCUR SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT FOR RESOLUTION PRIOR TO CONTINUATION OF WORK. ALL FINISHED GRADES SHALL PROVIDE FOR NATURAL RUNOFF OF WATER WITHOUT LOW SPOTS OR POCKETS.
- TURF AREAS SHALL HAVE MAXIMUM SLOPE OF 3:1. PLANTING BED AREAS SHALL HAVE MAXIMUM SLOPE OF 2:1.
- ALL DISTURBED AREAS TO BE SODDED WHEN CONSTRUCTION HAS ENDED.

LEGEND

- PROPOSED CONTOUR —————  
EXISTING CONTOUR - - - - -  
X - Spot Elevation  
TC - Top of Curb  
BC - Bottom of Curb  
XTC - Existing Top of Curb  
XBC - Existing Bottom of Curb  
TW - Top of Wall  
BW - Bottom of Wall  
TA - Top of Asphalt

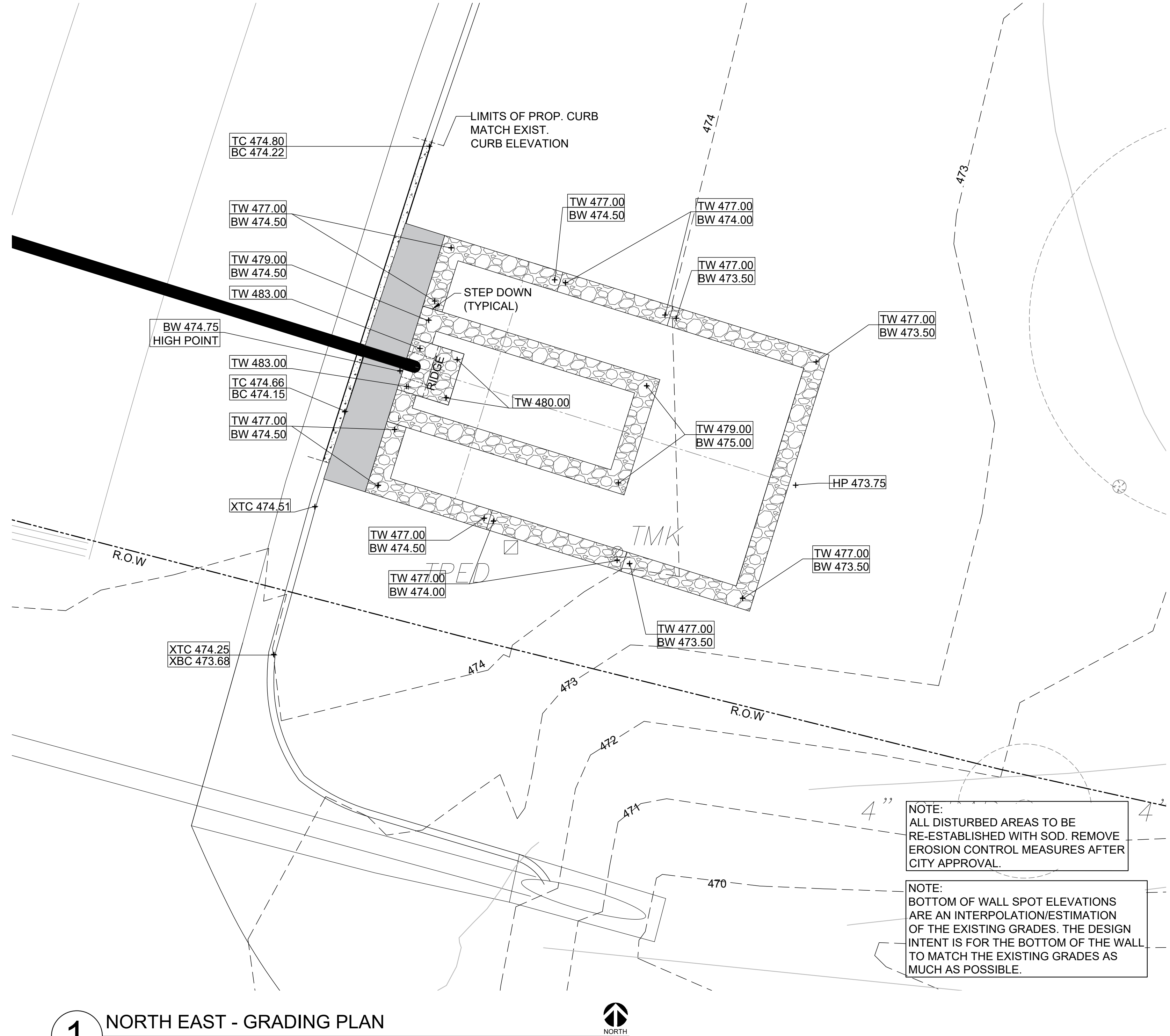


Revision No.	Date	Description

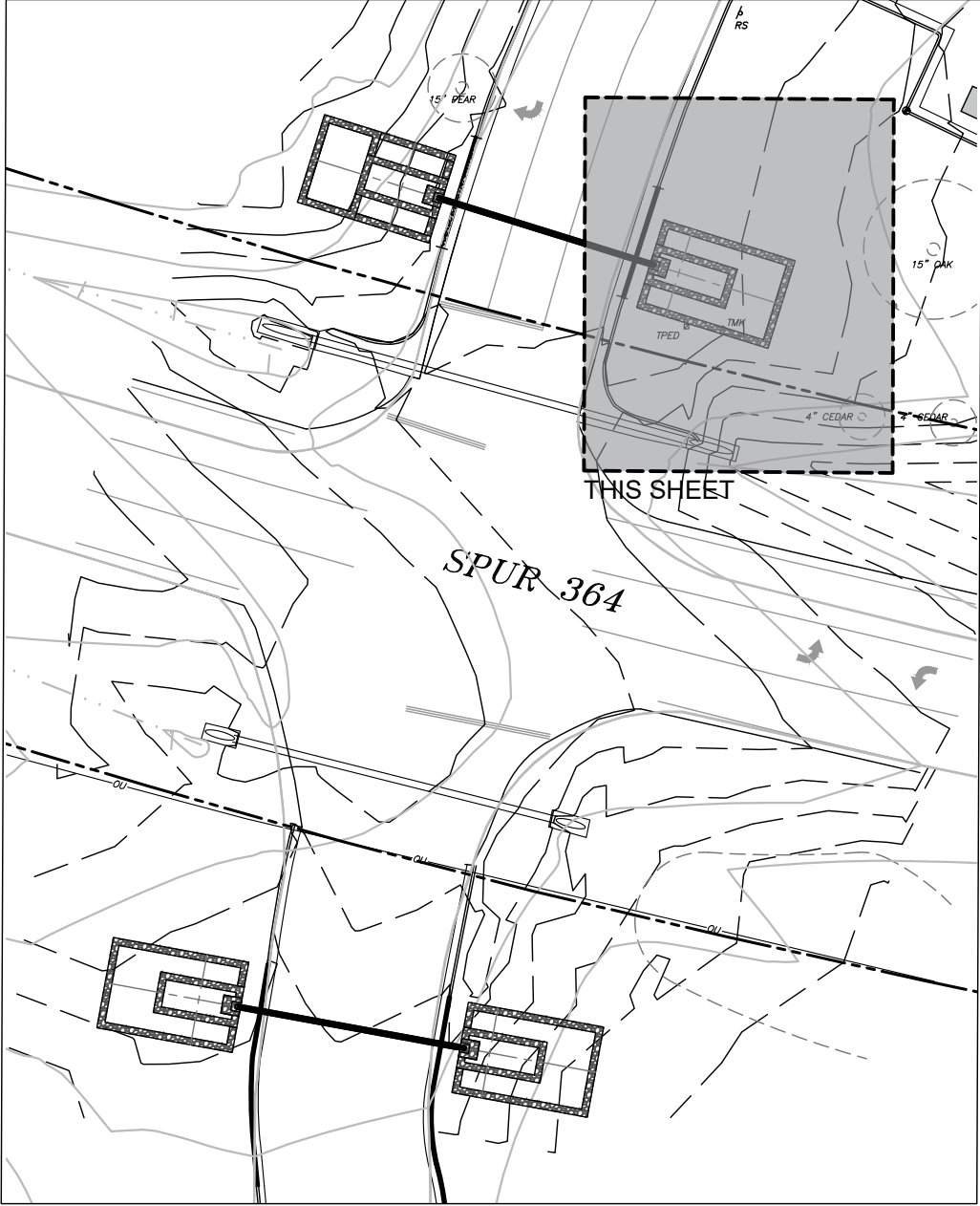


Project No.:	47406
Issued:	JANUARY 2023
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Checked By:	KMW
Scale:	AS SHOWN
Sheet Title	GRADING PLAN





KEY MAP

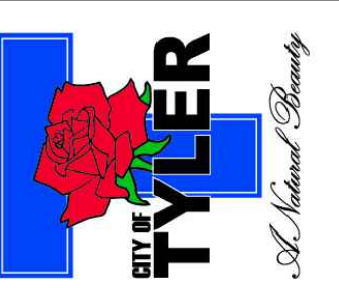
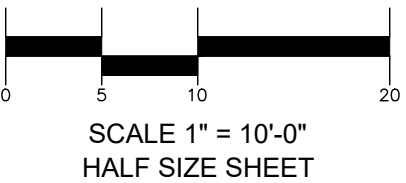
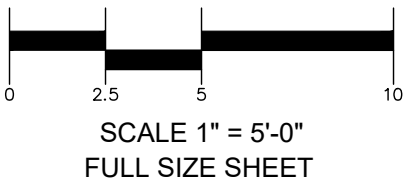


GRADING AND DRAINAGE NOTES

- CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS TO INCLUDE EXCAVATION, FILL, GRADING, AND WORK FROM PREVIOUS AND ONGOING CONTRACTS IN THE FIELD. CONTRACTOR SHALL REPORT ANY DISCREPANCIES IMMEDIATELY TO THE LANDSCAPE ARCHITECT FOR DIRECTION BEFORE PROCEEDING WITH THAT PORTION OF WORK.
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- CONTRACTOR SHALL CONSTRUCT FINISH SURFACE AND FINISH GRADE SO AS TO ENSURE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES AND INTO DRAINAGE STRUCTURES WHERE PROVIDED.
- CONTRACTOR SHALL EVENLY PITCH BETWEEN SPOT ELEVATIONS AND CONTOUR LINES UNLESS GRADE BREAKS, RIDGELINES, OR SWALES ARE INDICATED OR OTHERWISE NOTED. CONTRACTOR SHALL GRADE FINISH SURFACE TO PREVENT POOLING OF WATER. ANY DISCREPANCIES OR CONDITIONS NOT ALLOWING THIS TO OCCUR SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT FOR RESOLUTION PRIOR TO CONTINUATION OF WORK. ALL FINISHED GRADES SHALL PROVIDE FOR NATURAL RUNOFF OF WATER WITHOUT LOW SPOTS OR POCKETS.
- TURF AREAS SHALL HAVE MAXIMUM SLOPE OF 3:1. PLANTING BED AREAS SHALL HAVE MAXIMUM SLOPE OF 2:1.
- ALL DISTURBED AREAS TO BE SODDED WHEN CONSTRUCTION HAS ENDED.

LEGEND

- PROPOSED CONTOUR  
EXISTING CONTOUR  
X - Spot Elevation  
TC - Top of Curb  
BC - Bottom of Curb  
XTC - Existing Top of Curb  
XBC - Existing Bottom of Curb  
TW - Top of Wall  
BW - Bottom of Wall  
TA - Top of Asphalt  
TPED - Telephone Pedestal  
TELM - Telephone Marker



Revision No.	Date	Description



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY PARK W. WILSON, P.L.A. & ASSOCIATES, INC. NOTIFICATION TO THE RESPONSIBLE LANDSCAPE ARCHITECT IS AN OFFENSE UNDER TITLE 25, TEXAS ADMINISTRATIVE CODE, CHAPTER 1, LANDSCAPE ARCHITECTS. THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE OFFICES OF HALFF ASSOCIATES, INC., 1201 NORTH BORDER, RICHARDSON, TEXAS 75081. TYPIC FORM 60-312

Project No.:	47406
Issued:	JANUARY 2023
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Checked By:	KMW
Scale:	AS SHOWN
Sheet Title	GRADING PLAN

L3.02

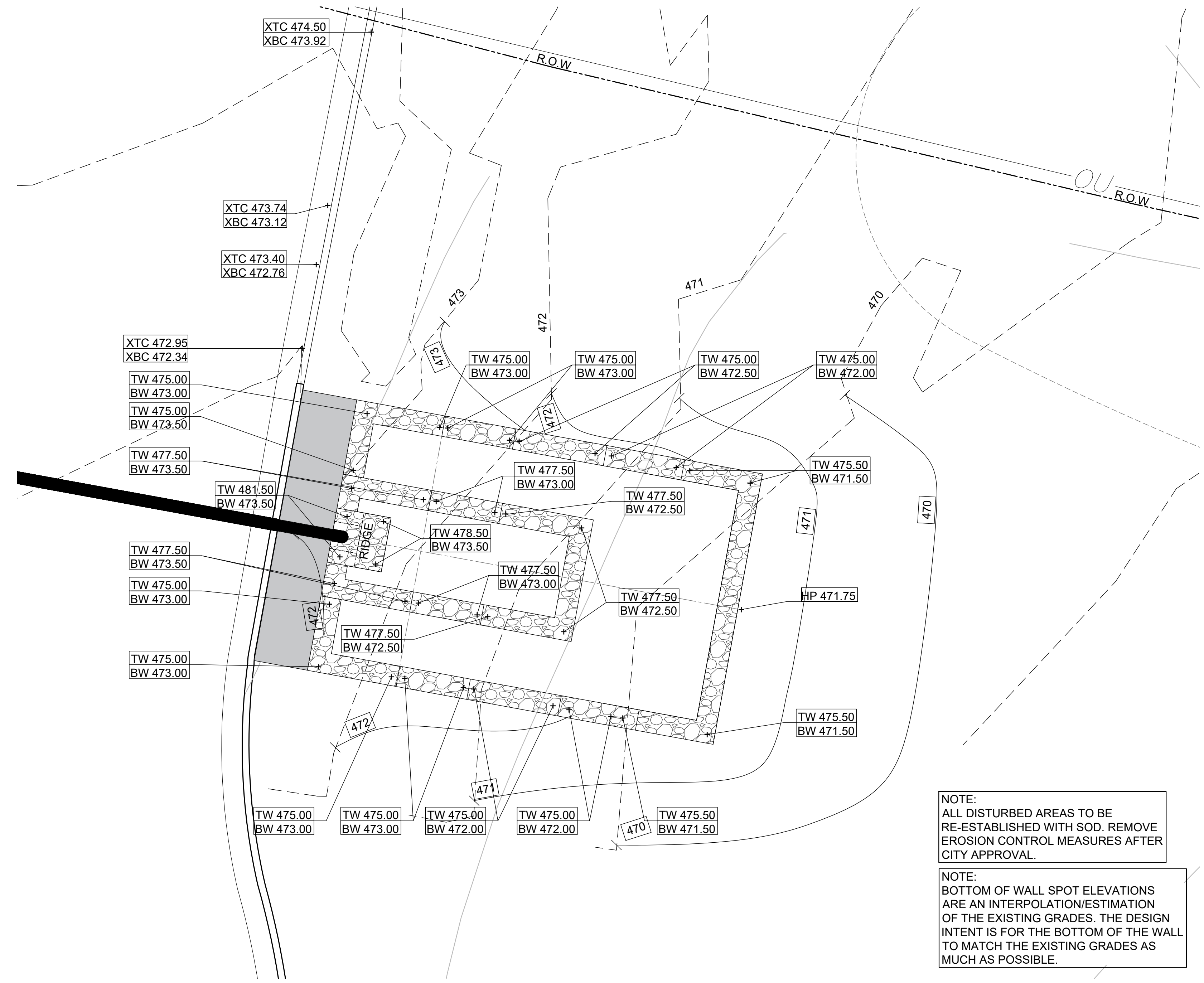
Sheet Number





Sheet Number





**1 SOUTH EAST - GRADING PLAN**  
SCALE: 1" = 5'-0"

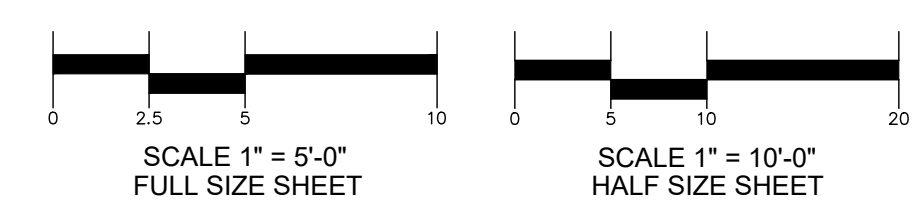


NOTE:  
ALL DISTURBED AREAS TO BE  
RE-ESTABLISHED WITH SOD. REMOVE  
EROSION CONTROL MEASURES AFTER  
CITY APPROVAL.

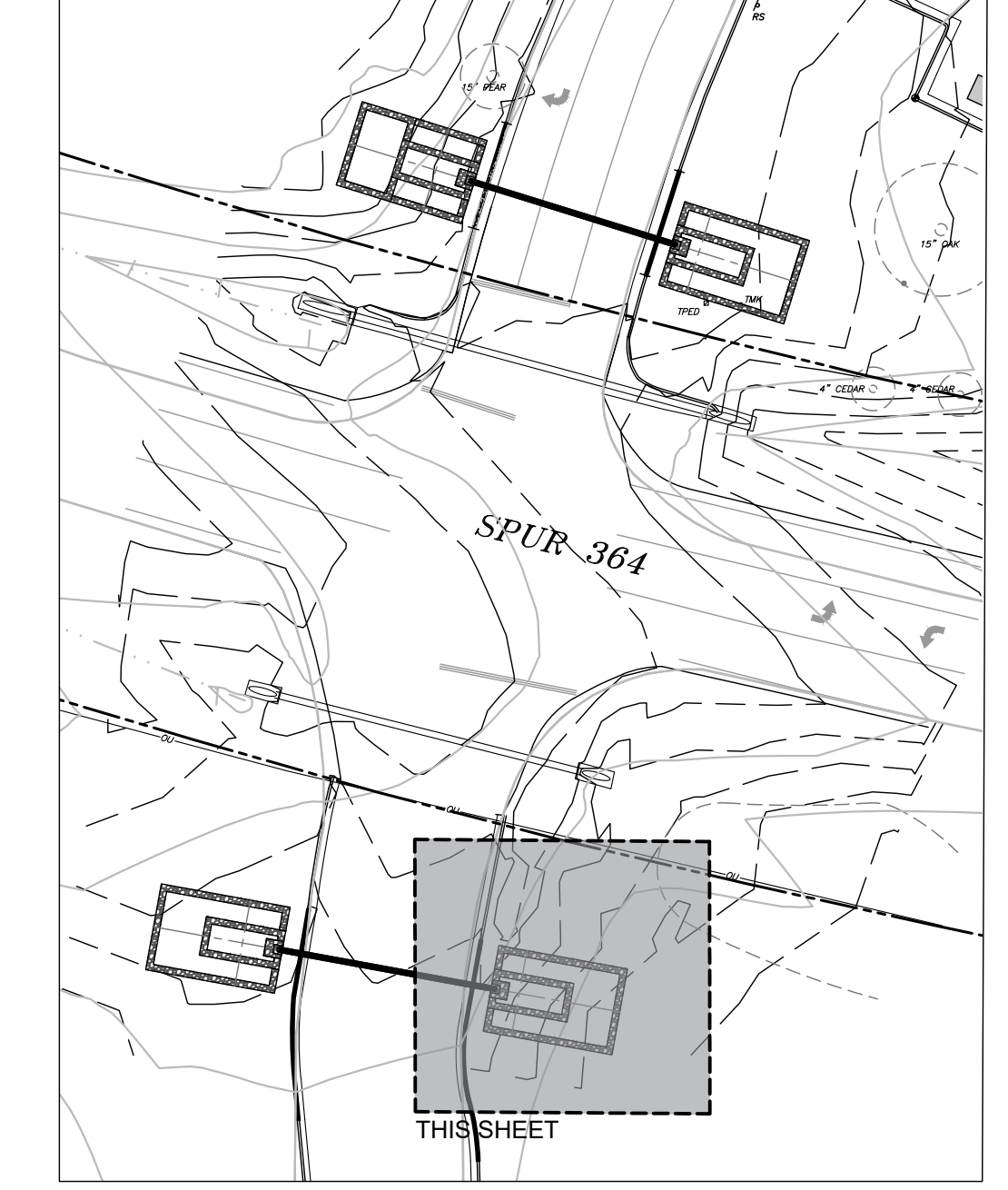
NOTE:  
BOTTOM OF WALL SPOT ELEVATIONS  
ARE AN INTERPOLATION/ESTIMATION  
OF THE EXISTING GRADES. THE DESIGN  
INTENT IS FOR THE BOTTOM OF THE WALL  
TO MATCH THE EXISTING GRADES AS  
MUCH AS POSSIBLE.

**LEGEND**

- PROPOSED CONTOUR
- EXISTING CONTOUR
- X - Spot Elevation
- TC - Top of Curb
- BC - Bottom of Curb
- XTC - Existing Top of Curb
- XBC - Existing Bottom of Curb
- TW - Top of Wall
- BW - Bottom of Wall
- TA - Top of Asphalt

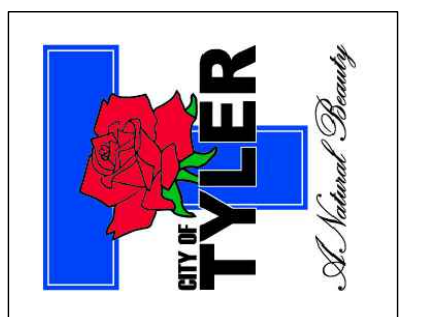


**KEY MAP**

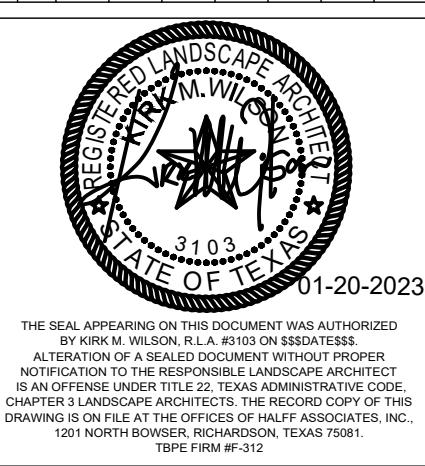


**GRADING AND DRAINAGE NOTES**

- CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS TO INCLUDE EXCAVATION, FILL, GRADING, AND WORK FROM PREVIOUS AND ONGOING CONTRACTS IN THE FIELD. CONTRACTOR SHALL REPORT ANY DISCREPANCIES IMMEDIATELY TO THE LANDSCAPE ARCHITECT FOR DIRECTION BEFORE PROCEEDING WITH THAT PORTION OF WORK.
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- TURF AREAS SHALL HAVE MAXIMUM SLOPE OF 3:1. PLANTING BED AREAS SHALL HAVE MAXIMUM SLOPE OF 2:1.
- ALL DISTURBED AREAS TO BE SODDED WHEN CONSTRUCTION HAS ENDED.



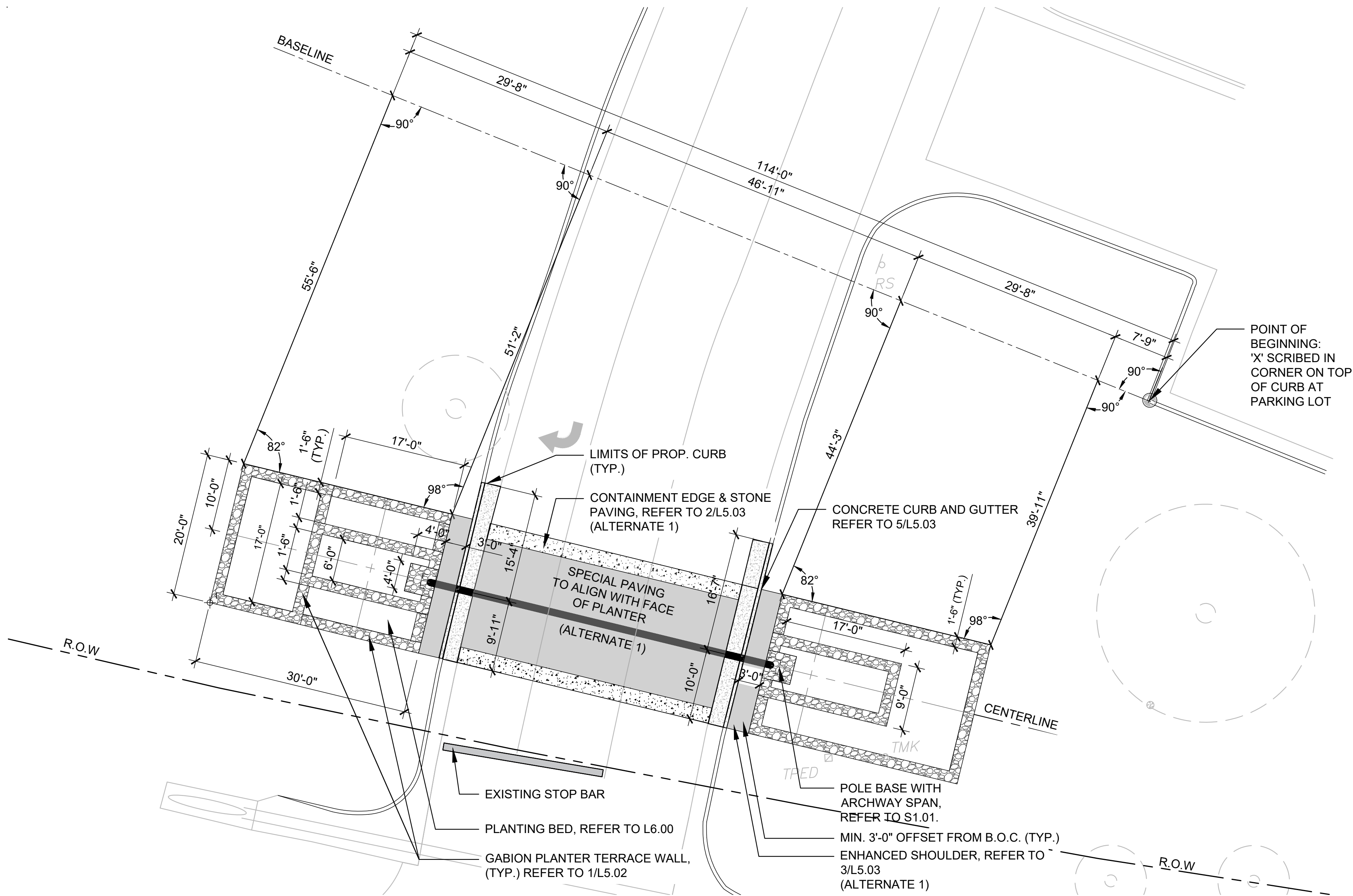
Revision No.	Date	Description



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY PARK W. WILSON, R.L.A. #3103 ON BEHALF OF THE ALTERNATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE LANDSCAPE ARCHITECT. IN AN OFFERING UNDER TITLE 25, TEXAS ADMINISTRATIVE CODE, CHAPTER 11 LANDSCAPE ARCHITECTS, THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE OFFICE OF HALFF ASSOCIATES, INC., 1201 NORTH BORDER, RICHARDSON, TEXAS 75081. TYPIC FORM 60-312

Project No.:	47406
Issued:	JANUARY 2023
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Checked By:	KMW
Scale:	AS SHOWN
Sheet Title	GRADING PLAN





1

## LAYOUT PLAN - NORTH SIDE

SCALE: 1" = 10'-0"



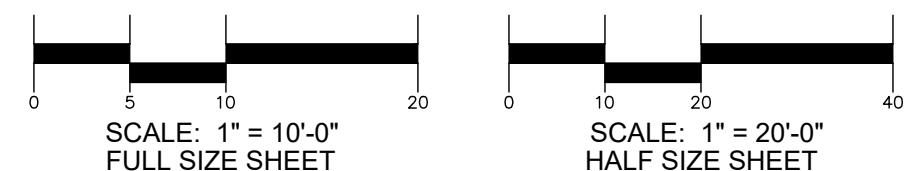
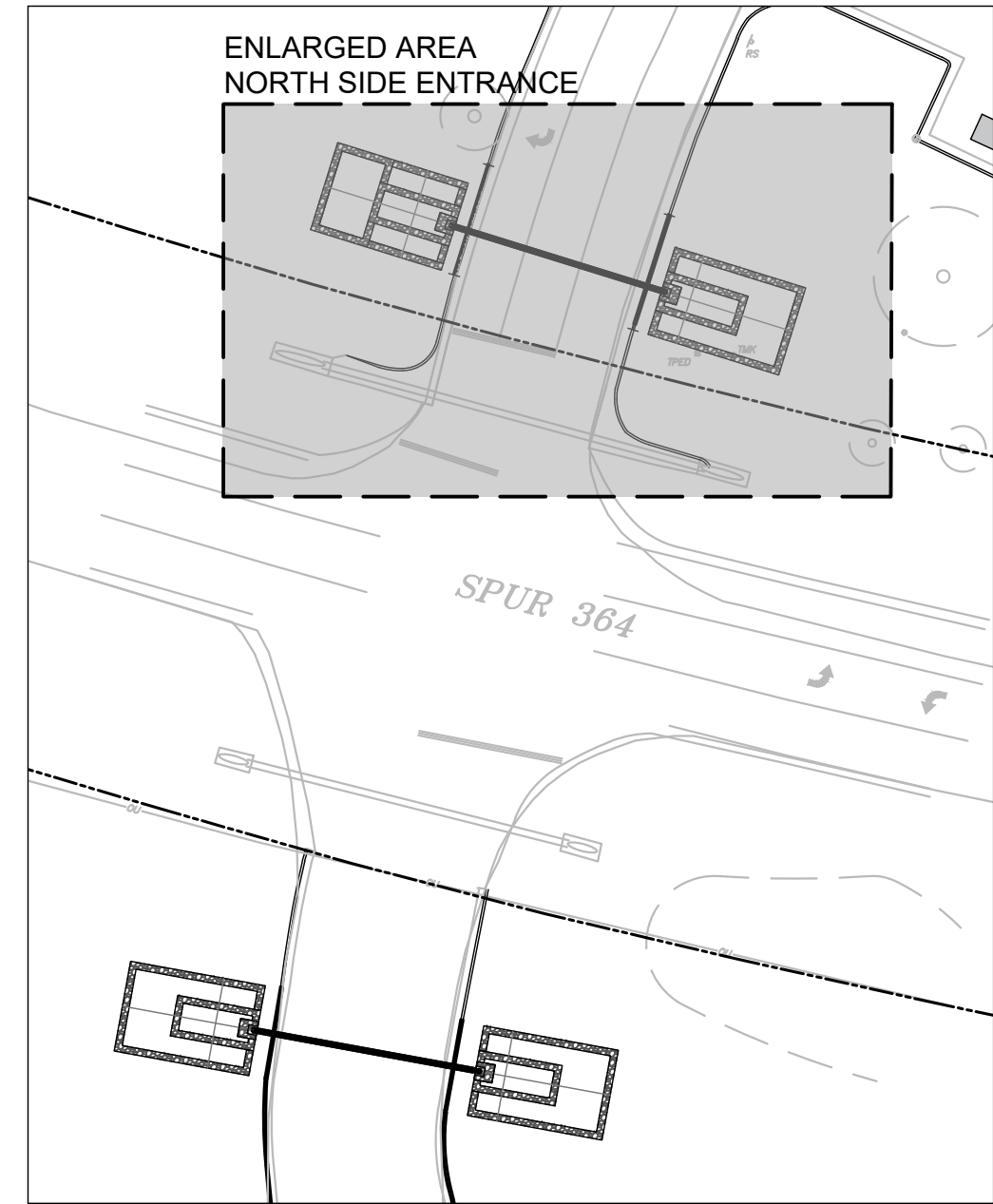
### LAYOUT NOTES

- CONTRACTOR SHALL VERIFY EXISTING CONDITIONS, LAYOUT COORDINATES, AND WORK FROM PREVIOUS AND ONGOING CONTRACTS IN THE FIELD. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT FOR DIRECTIONS IMMEDIATELY BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
- CONTRACTOR SHALL REQUEST A FIELD REVIEW BY THE ENGINEER ARCHITECT OF THE LAYOUT OF ALL ELEMENTS, AS SHOWN. CONTRACTOR SHALL STAKE ALL LOCATIONS AND OBTAIN APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO THE COMMENCEMENT OF WORK.
- CONTRACTOR SHALL REQUEST A FIELD REVIEW BY THE CITY REPRESENTATIVE OF ALL FORMWORK OR A TYPICAL PORTION OF FORMWORK REPRESENTING SIMILAR WORK. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE CITY REPRESENTATIVE OF ALL FORMWORK FOR FLATWORK AND WALL WORK PRIOR TO CONCRETE POURING.
- CONTRACTOR SHALL COORDINATE ALL LAYOUT WORK POINTS, MONUMENTS, GRID LINES, AND CONTROLS, AMONG ALL TRADES; SPECIFICALLY, BUT NOT LIMITED TO, SITE FORMATION, FLATWORK, AND WALL WORK.
- CONTRACTOR SHALL REFER TO HARDSCAPE OR LAYOUT PLAN(S) FOR ALL FLATWORK AND WALL WORK JOINT LOCATIONS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS VERIFYING JOINT LAYOUT PRIOR TO INSTALLATION.
- CONTRACTOR SHALL ERECT AND INSTALL ALL WORK LEVEL, PLUMB, SQUARE, TRUE, STRAIGHT, AND IN PROPER ALIGNMENT.
- NO DIMENSIONS ARE ADJUSTABLE WITHOUT THE REVIEW AND APPROVAL OF LANDSCAPE ARCHITECT UNLESS NOTED [ +/- ] FV (FIELD VERIFY).
- ALIGN MEANS ACCURATELY LOCATE FINISH FACES IN THE SAME PLANE.
- ALL ANGLES ARE ASSUMED TO BE 90 DEGREES UNLESS OTHERWISE NOTED.
- ALL CURVES FOR PAVING, BANDS, PATHS, EDGING, AND HEADER BOARDS SHALL BE ALIGNED IN A SMOOTH AND CONTINUOUS FASHION AND SHALL MEET ADJACENT SURFACES AT 90 DEGREES, UNLESS OTHERWISE INDICATED. ALL WALK RADII AND CURVES SHALL BE SMOOTH AND CONTINUOUS WITHOUT ABRUPT CHANGES OR BENDS UNLESS OTHERWISE SHOWN.

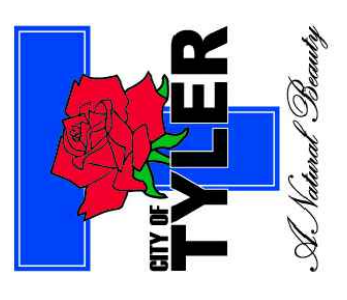
### NOTES

- ALL DIMENSIONS ARE SHOWN PERPENDICULAR TO BASELINE UNLESS NOTED OTHERWISE.
- CONTRACTOR TO STAKE ALIGNMENT OF ALL HARDSCAPES ELEMENTS APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO FORM BOARD INSTALLATION.
- CONTRACTOR TO NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN THE SURVEY, PLANS, AND EXISTING FIELD CONDITIONS.
- CONTRACTOR TO REGRADE, REPAIR, AND REPLACE WITH SOD OF LIKE KIND ALL EXISTING TURF AREA DISTURBED BY CONSTRUCTION.

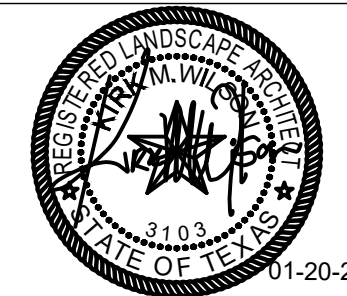
### KEY MAP



LINDSEY PARK  
GCCA IMPROVEMENTS  
CONSTRUCTION DOCUMENTS  
TYLER, TX



Revision No.	Date	Description



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Project No.: 47406  
Issued: JANUARY 2023  
Drawn By: CP  
Checked By: KMW  
Scale: AS SHOWN

Sheet Title  
NORTH LAYOUT PLAN

L4.00  
Sheet Number

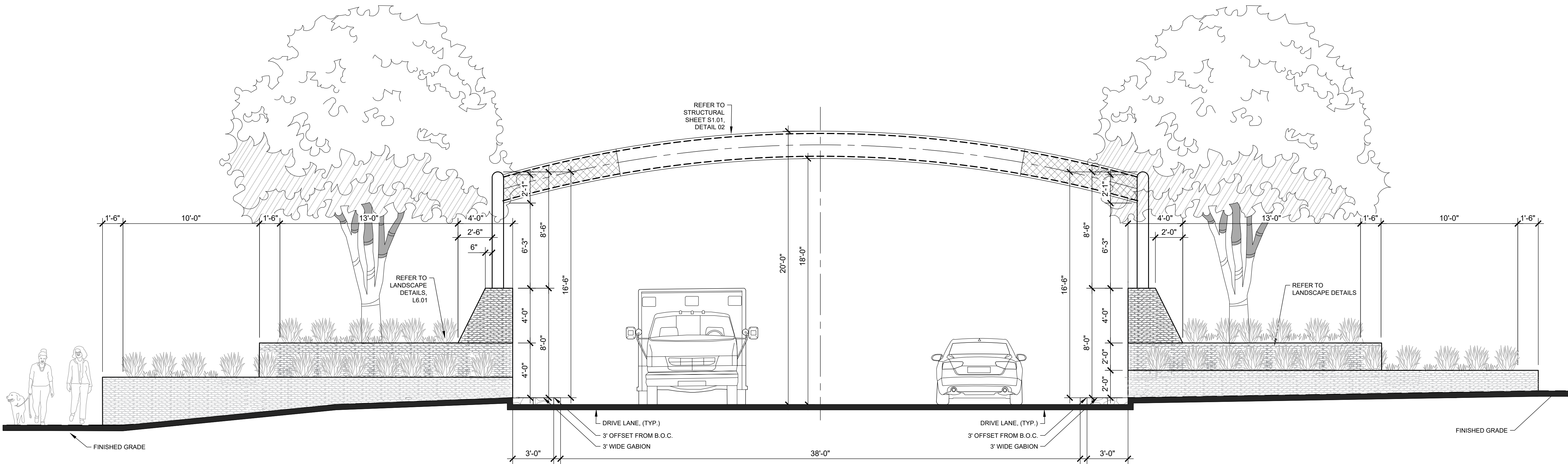




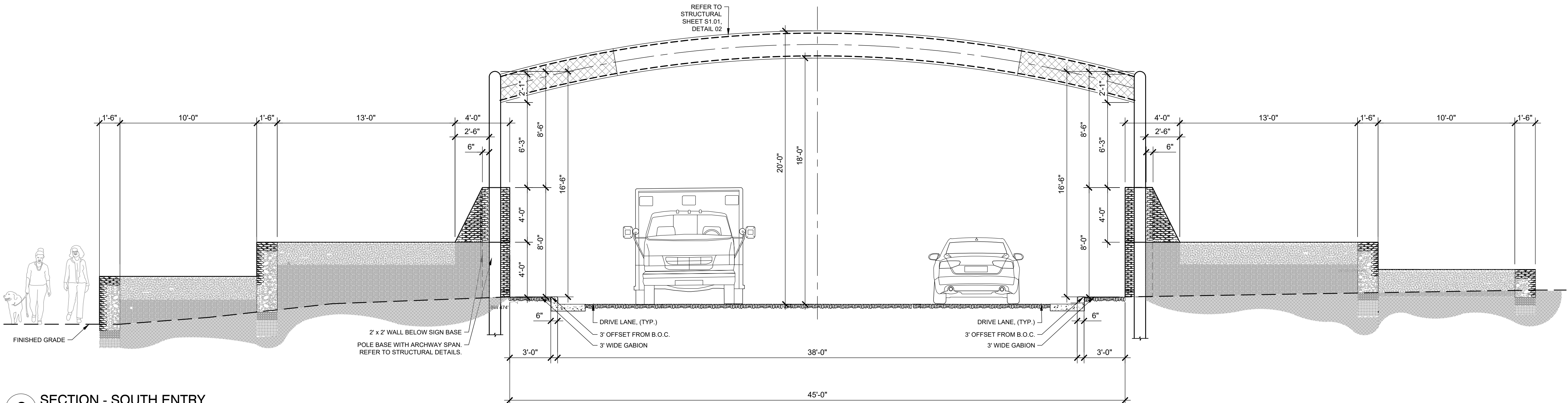








**1 ELEVATION - SOUTH ENTRY**  
1/4" = 1'-0"



**2 SECTION - SOUTH ENTRY**  
1/4" = 1'-0"

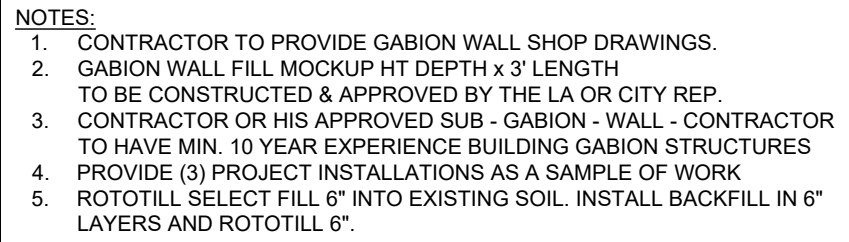
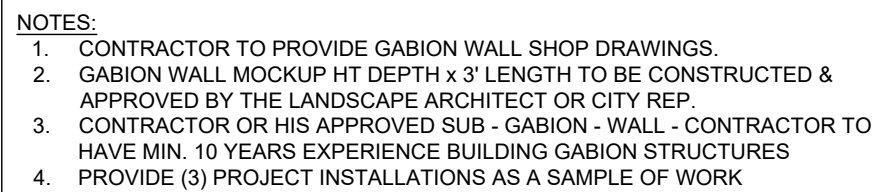
Revision No.	Date	Description



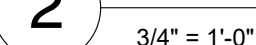
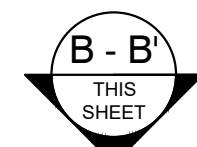
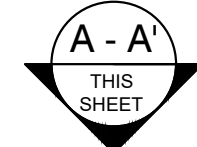
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY PERK W. WILSON, R.L.A. #3103 ON BEHALF OF THE NOTIFICATION TO THE RESPONSIBLE LANDSCAPE ARCHITECT BY AN OFFERING UNDER TITLE 25, TEXAS ADMINISTRATIVE CODE, CHAPTER 1 LANDSCAPE ARCHITECTS. THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE OFFICES OF HALFF ASSOCIATES, INC., 1201 NORTH BORDER, RICHARDSON, TEXAS 75081. TYPIC FIRM #0-312

Project No.:	47406
Issued:	JANUARY 2023
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Checked By:	KMW
Scale:	AS SHOWN
Sheet Title	SITE IMPROVEMENT DETAILS
Sheet Number	L5.01





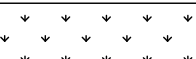



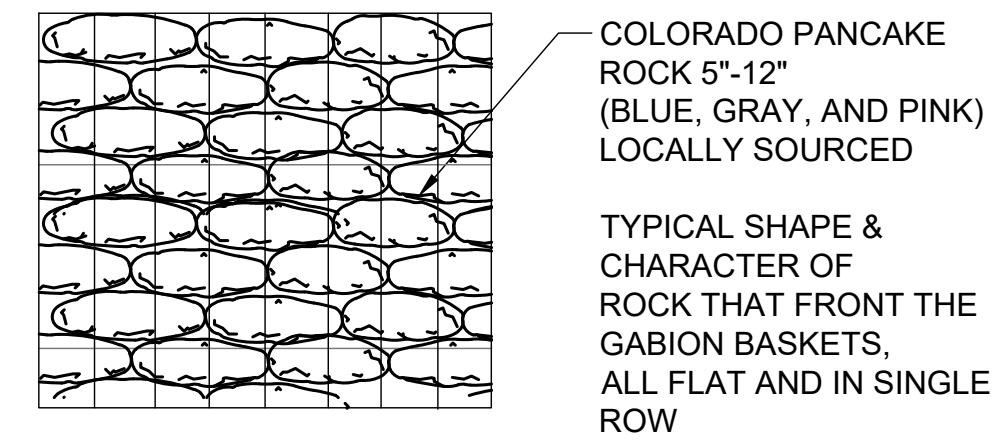
1" = 1'-0"



1" = 1'-0"



- 1  GABION BASKET WITH 100% RECYCLED CORE MATERIAL. ALL FACING AREAS TO BE LOCALLY SOURCED. COLORADO (FULL COLOR RANGE) 5"-12" PANCAKE STONE LAID IN HORIZONTAL ROWS. PROVIDE 24"x24" MOCK UP TO BE APPROVED BEFORE WORK BEGINS.
  - 2  PREPARED SOIL MIX
  - 3  SPECIAL PARK ROAD PAVING COLORADO PANCAKE STONE, FULL COLOR RANGE, 5"-7" VERTICALLY GROUTED
  - 4  BRUSHED CONCRETE PER CITY STANDARDS



## NOTES

1. CONTRACTOR TO NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BETWEEN THE SURVEY, PLANS, AND EXISTING FIELD CONDITIONS.
2. CONTRACTOR TO REGRADE, REPAIR, AND REPLACE WITH SOD OF LIKE KIND ALL EXISTING TURF AREAS DISTURBED BY CONSTRUCTION.

3/4" = 1'-0"

$$1/4'' = 1'-0''$$
[illegible]

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED  
BY KIRK M. WILSON, R.L.A. #3103 ON \$\$\$DATE\$\$\$  
ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER  
NOTIFICATION TO THE RESPONSIBLE LANDSCAPE ARCHITECT  
IS AN OFFENSE UNDER TITLE 22, TEXAS ADMINISTRATIVE CODE,  
AFTER A LANDSCAPE ARCHITECTS. THE RECORD COPY OF THIS  
DRAWING IS ON FILE AT THE OFFICES OF HALFF ASSOCIATES, INC.,  
1201 NORTH BOWSER, RICHARDSON, TEXAS 75081.  
TBPE FIRM #F-312

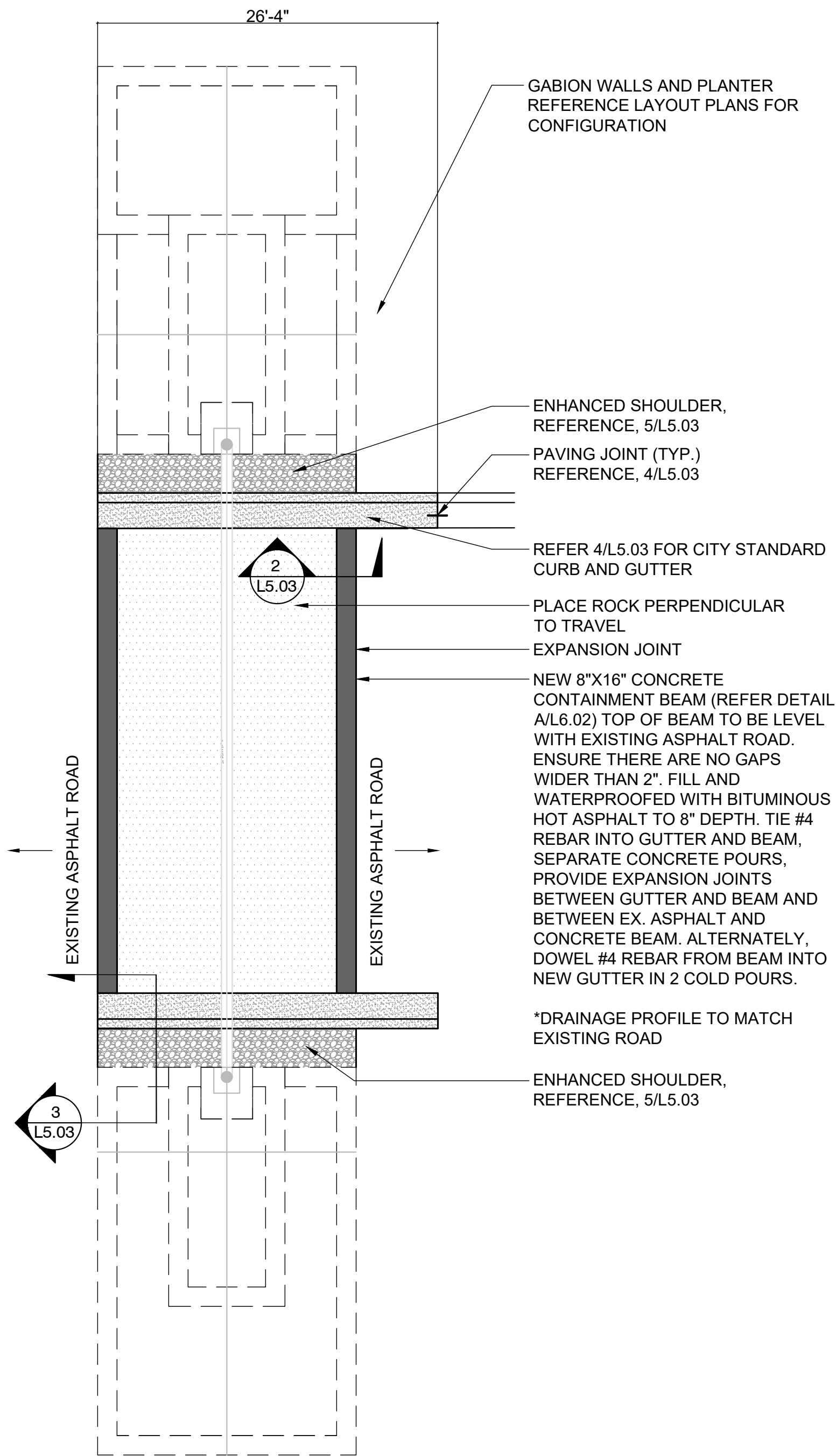
Project No.:	47406
Issued:	JANUARY 2023
Drawn By:	CP
Checked By:	KMW
Scale:	AS SHOWN
Sheet Title:	

## SITE IMPROVEMENT DETAILS

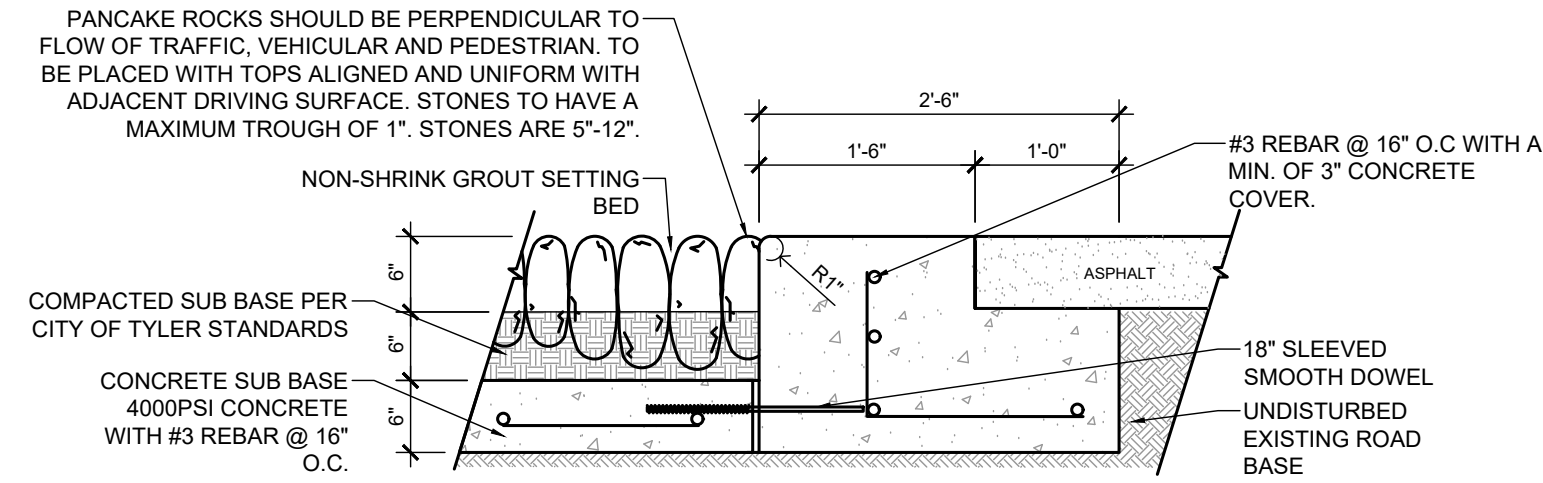
## L5.02

Sheet Number

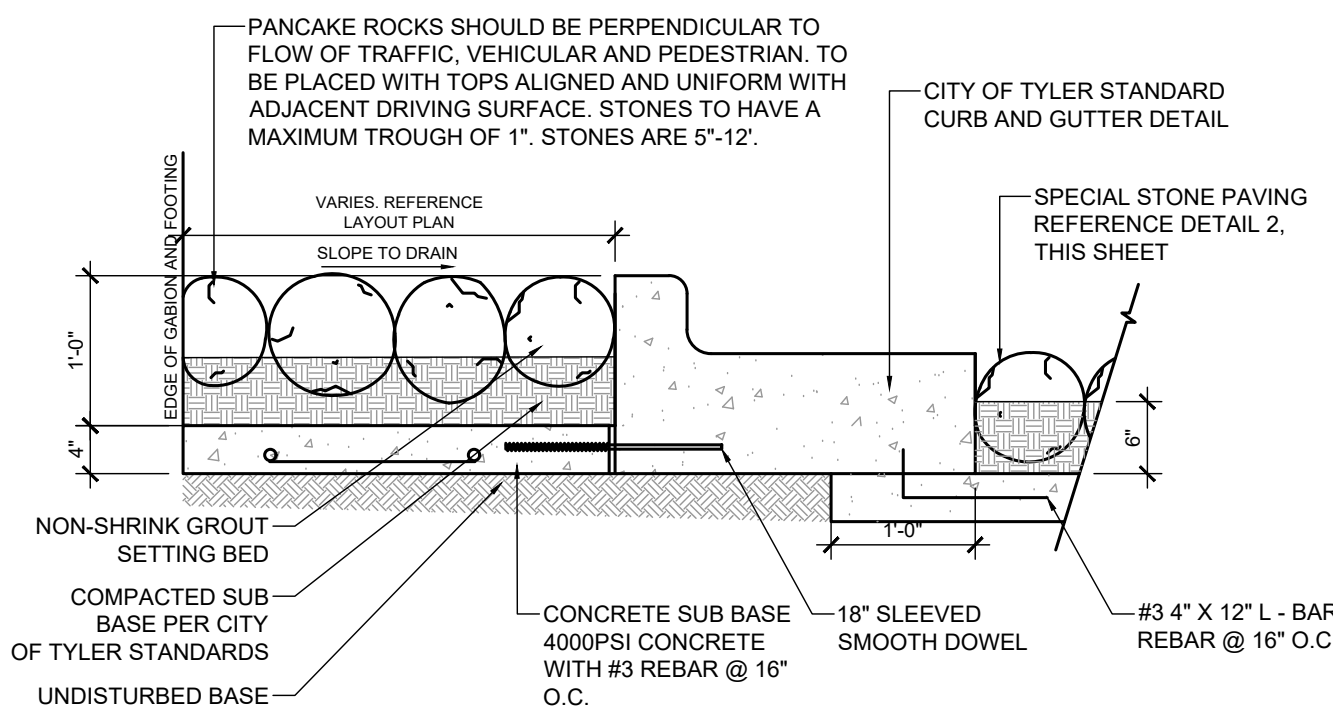




1 PLAN - SPECIAL PAVING (ALTERNATE 1)  
1/8" = 1'-0"



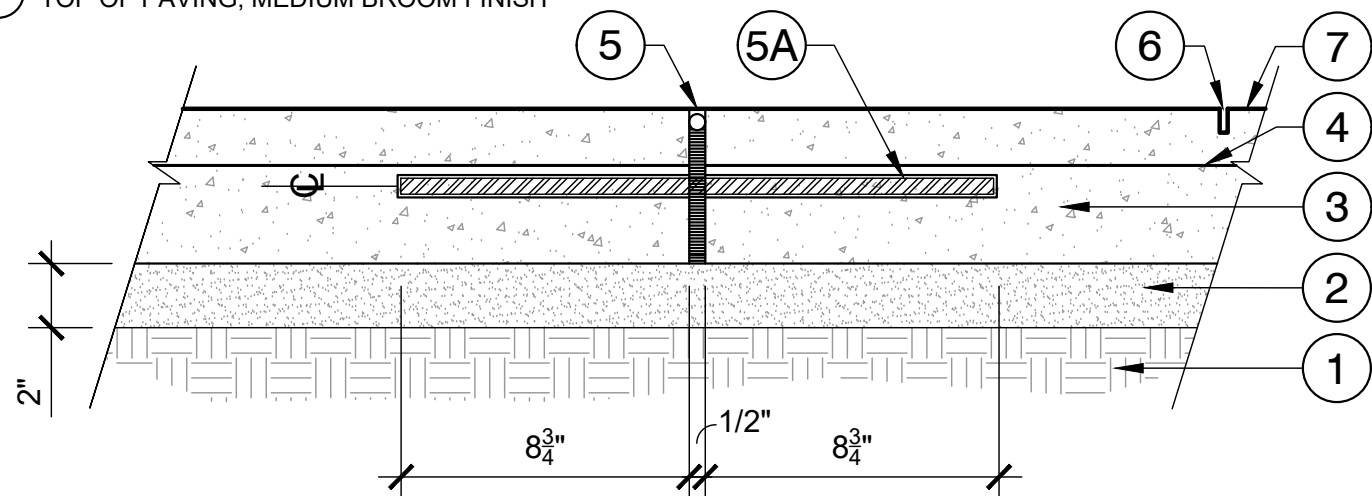
2 SECTION - CONTAINMENT EDGE & STONE PAVING (ALTERNATE 1)  
SCALE 3/4" = 1'



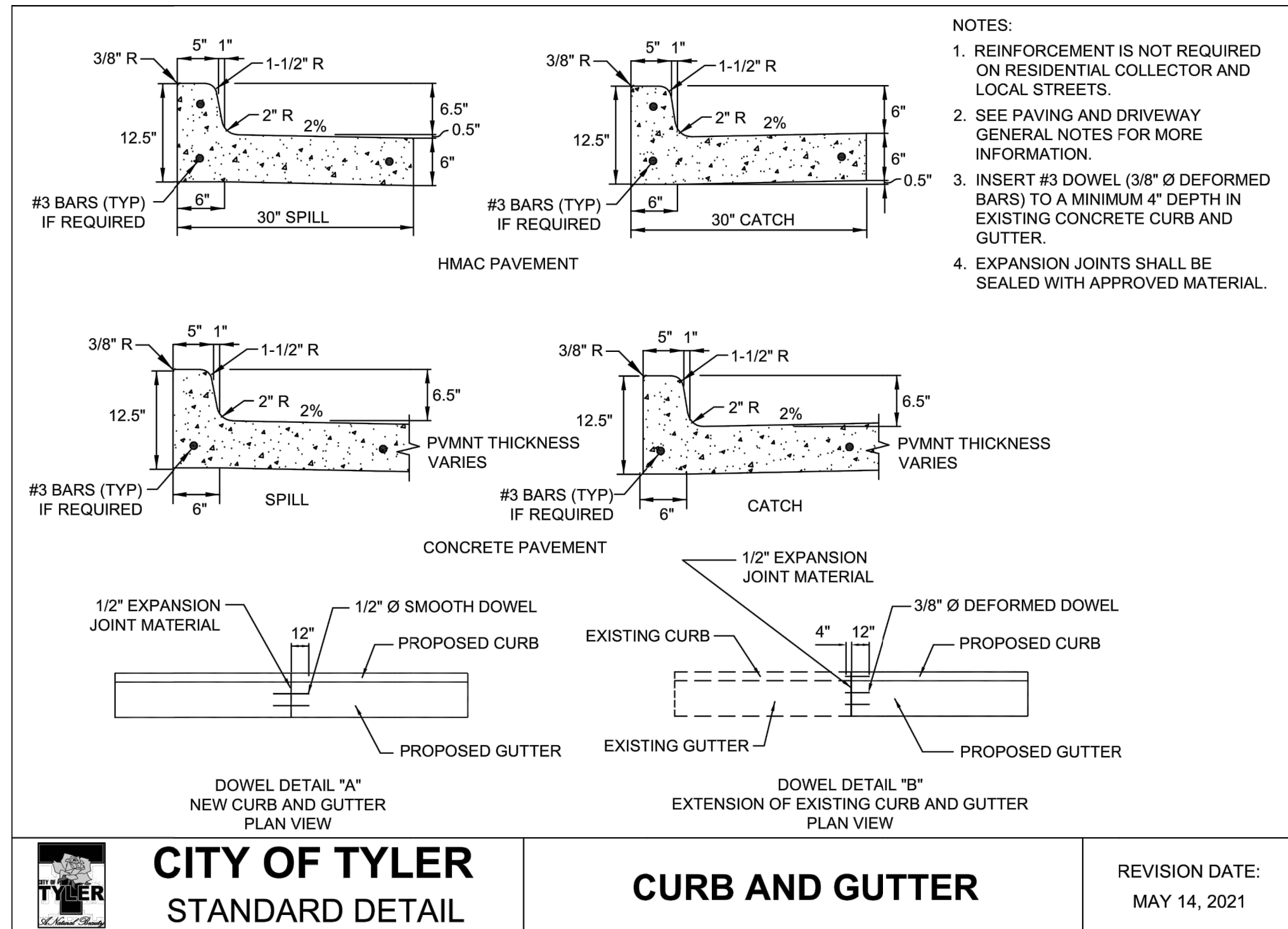
3 SECTION - ENHANCED SHOULDER (ALTERNATE 1)  
SCALE 3/4" = 1'

KEY:

- 1 COMPACTED SUBGRADE TO 95% MAX. DENSITY
- 2 2" THICK MINIMUM SAND OR DRY SCREENING LEVELING BED
- 3 4" - 6" CONCRETE, 4000 PSI, MEDIUM BROOM FINISH, IN EAST/WEST DIRECTION
- 4 #4 HORIX BARS CONTINUES, TIE VERTICALLY WITH #3 BARS EVERY 18" MAX O.C.
- 5 EXPANSION JOINT - 3/4" CEDAR FULL DEPTH TO SUPPORT BACKER ROD/ZIP-STRIP. SEAL WITH SL-1 JOINT SEALANT (COLOR TO MATCH CONCRETE;
- 5A 1/2" DIA. SMOOTH DOWEL 18" LENGTH AT 24" O.C. MIN., GREASE AND CAP FULL LENGTH OF EXPOSED DOWEL. REF. SITE PLAN FOR JOINT LOCATIONS.
- 6 1/4" WIDE X 5/8" DEPTH CONTROL JOINT. REF. SITE PLAN FOR LOCATIONS. JOINTS MUST BE CUT WITHIN 8-12 HRS. AFTER PLACEMENT.
- 7 TOP OF PAVING, MEDIUM BROOM FINISH



4 SECTION - CONCRETE SUB BASE (ALTERNATE 1)  
SCALE 1 1/2" = 1'-0"



5 CITY OF TYLER - CURB AND GUTTER DETAIL  
NOTE: DETAIL IS PROVIDED AS A CONVENIENCE TO THE CONTRACTOR.  
CONTRACTOR TO COORDINATE WITH CITY OF TYLER FOR APPROVED  
MATERIALS, SPECIFICATIONS, AND TESTING

TESTING REQUIREMENTS FOR ASPHALT PAVING PER CITY

SOILS:

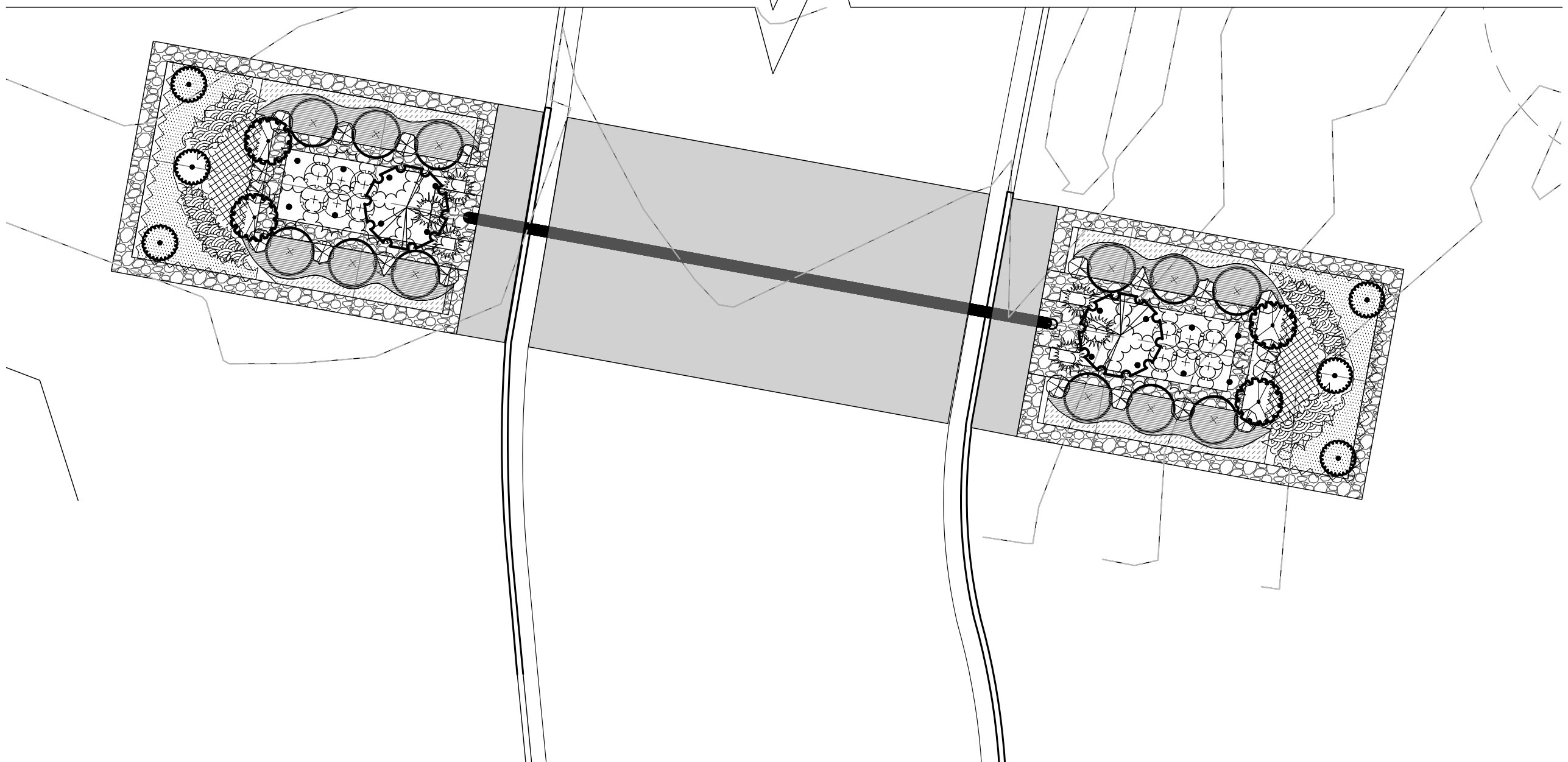
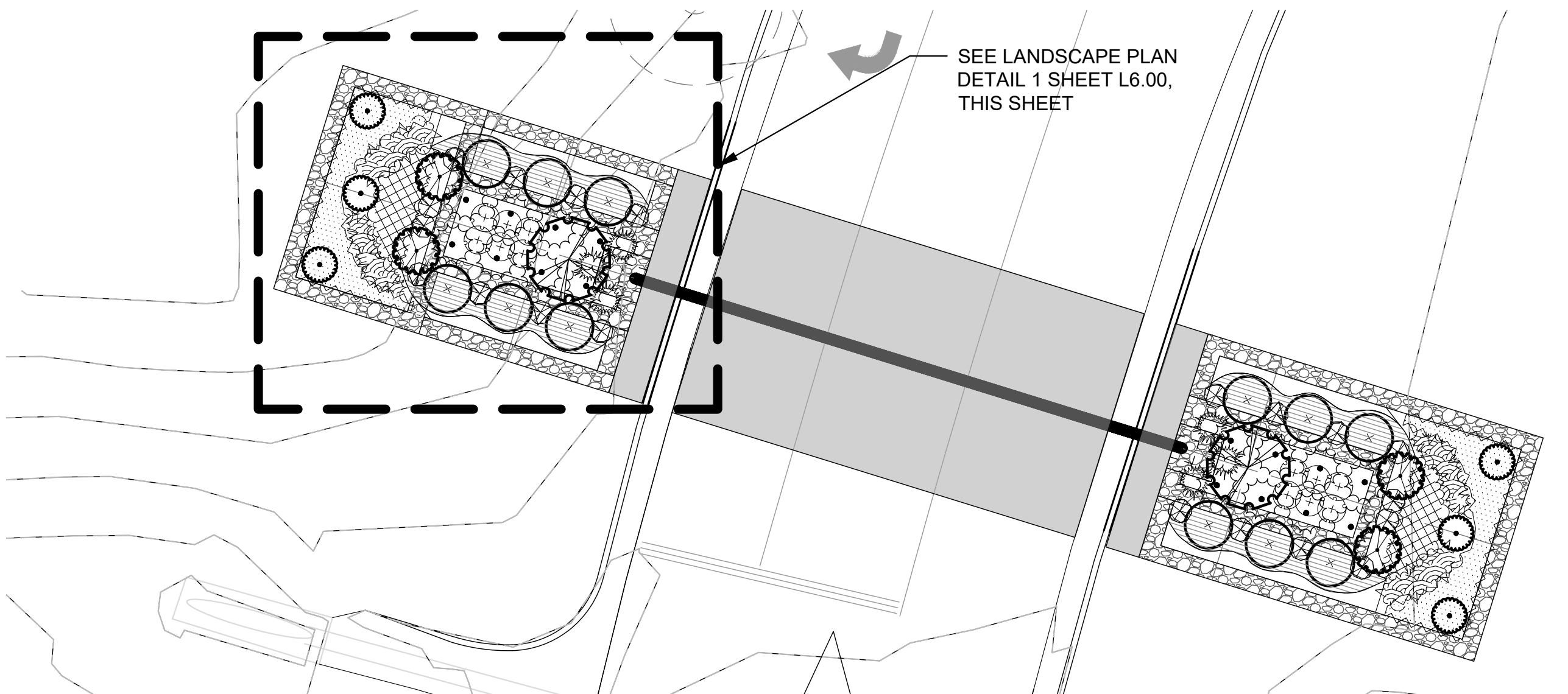
- SUBGRADE:
- I. PROOF ROLL AND REPAIR AS NEED
  - II. COMPACT TO 95% PROCTOR AT +2% MOISTURE
  - III. PROCTORS AS NEEDED
  - IV. 1 DENSITY EVERY 10,000 SQUARE FEET
- FILL:
- I. PROOF ROLL AND REPAIR AS NEEDED
  - II. SELECT FILL (AS RECOMMENDED BY CITY OF TYLER)
  - III. COMPACT TO 95% PROCTOR at +2% MOISTURE (OR AS RECOMMENDED BY CITY OF TYLER)
  - IV. PROCTORS AS NEEDED
  - V. 1 DENSITY EVERY 10,000 SQUARE FEET IN THE TOP 2 FEET OF FILL
  - VI. 1 DENSITY EVERY 20,000 SQUARE FEET IF BELOW TOP 2 FEET OF FILL

ASPHALT:

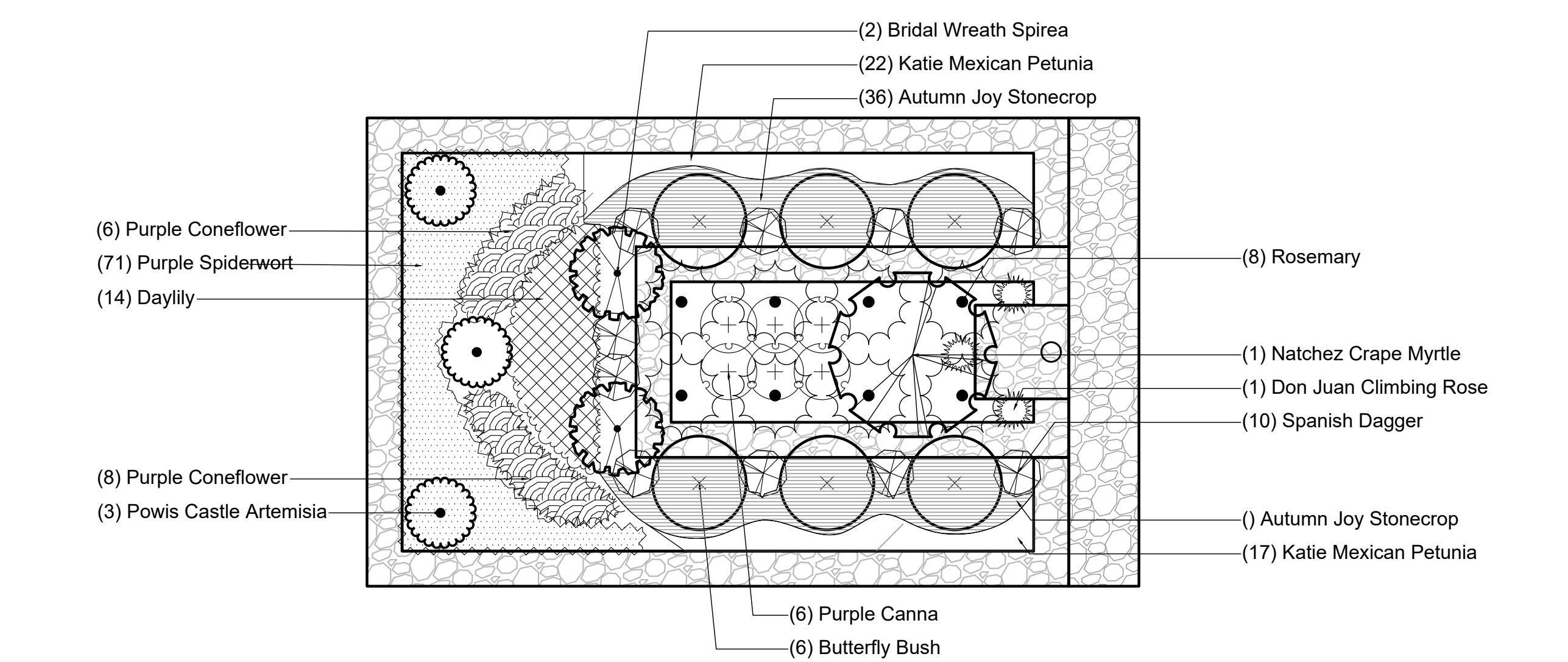
- I. TESTING IS BASED ON - 600 TONS PER DAY OF PLACEMENT
- II. (I.E. 1 LOT = 600 TONS). SMALL DAYS PLACEMENT (UNDER (250 TONS) AS DIRECTED BY CITY OR ENGINEER.
- III. TXDOT ITEM 340
- IV. 4 CORES PER DAY MUST BE 92%. QC PERFORMED BY CONTRACTOR. CORES TO BE CUT BY CONTRACTOR AND DELIVERED TO LAB FOR TESTING.
- VI. 1 EXTRACTION/GRADATION PER DAY (MAY BE PROVIDED BY THE ASPHALT PLANT IF AGREEMENT IS MADE WITH CITY)
- VII. 1 SET OF PATTIES PER DAY (MAY BE PROVIDED BY THE ASPHALT PLANT IF AGREEMENT IS MADE WITH CITY)
- VIII. 1 RICE PER DAY (MAY BE PROVIDED BY THE ASPHALT PLANT IF AGREEMENT IS MADE WITH CITY)

Revision No.	Date	Description





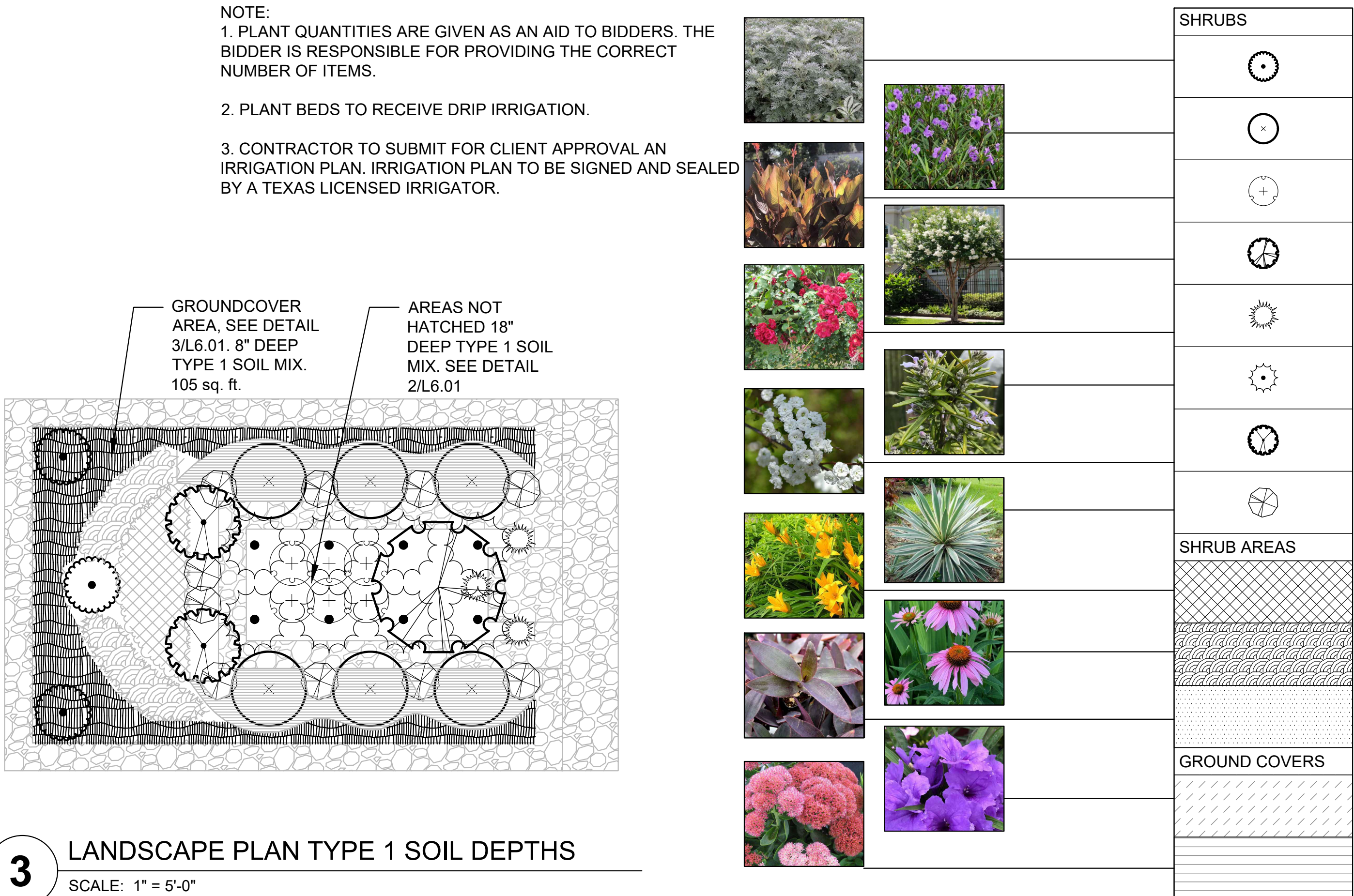
**1 MASTER PLANTING PLAN**  
SCALE: 1" = 10'-0"



**2 LANDSCAPE PLAN ( 1 QUADRANT SHOWN X4)**  
SCALE: 1" = 5'-0"

MASTER PLANT SCHEDULE					
SHRUBS	QTY	BOTANICAL / COMMON NAME	CONT	SPACING	REMARKS
	12	<i>Artemisia x 'Powis Castle'</i> / Powis Castle Artemisia	3 gal.	As Shown	
	24	<i>Buddleja davidii</i> / Butterfly Bush	5 gal.	48" o.c.	
	24	<i>Canna indica 'Purpurea'</i> / Purple Canna	1 gal.	18" o.c.	
	4	<i>Lagerstroemia indica x fauriei 'Natchez'</i> / Natchez Crape Myrtle	45 gal.	As Shown	Matching Specimens, 5 Canes Minimum, 8'-10 'HT
	12	<i>Rosa x 'Don Juan'</i> / Don Juan Climbing Rose	7 gal.	As Shown	Trellis And Train
	32	<i>Rosmarinus officinalis</i> / Rosemary	5 gal.	48" o.c.	
	8	<i>Spiraea prunifolia 'Bridalwreath'</i> / Bridal Wreath Spirea	5 gal.	As Shown	
	40	<i>Yucca faxoniana</i> / Spanish Dagger	7 gal.	As Shown	
SHRUB AREAS	QTY	BOTANICAL / COMMON NAME	CONT	SPACING	REMARKS
	56	<i>Hemerocallis middendorffii</i> / Daylily	1 gal.	18" o.c.	
	56	<i>Rudbeckia purpurea</i> / Purple Coneflower	1 gal.	18" o.c.	
	284	<i>Tradescantia pallida 'Purpurea'</i> / Purple Spiderwort	4" Pot	12" o.c.	
GROUND COVERS	QTY	BOTANICAL / COMMON NAME	CONT	SPACING	REMARKS
	156	<i>Ruellia brittoniana 'Katy'</i> / Dwarf Mexican Petunia 'Katy'	4" Pot	12" o.c.	
	296	<i>Sedum spectabile 'Autumn Joy'</i> / Autumn Joy Stonecrop	1 gal.	14" o.c.	
	15,700 sf	<i>Cynodon dactylon</i> / Bermudagrass	Sod	As Shown	LAY SOD PARALLEL TO CURB

NOTE:  
1. PLANT QUANTITIES ARE GIVEN AS AN AID TO BIDDERS. THE BIDDER IS RESPONSIBLE FOR PROVIDING THE CORRECT NUMBER OF ITEMS.  
2. PLANT BEDS TO RECEIVE DRIP IRRIGATION.  
3. CONTRACTOR TO SUBMIT FOR CLIENT APPROVAL AN IRRIGATION PLAN. IRRIGATION PLAN TO BE SIGNED AND SEALED BY A TEXAS LICENSED IRRIGATOR.



**3 LANDSCAPE PLAN TYPE 1 SOIL DEPTHS**  
SCALE: 1" = 5'-0"

LINDSEY PARK  
GCAA IMPROVEMENTS  
CONSTRUCTION DOCUMENTS  
TYLER, TX

TYLER  
A Natural Beauty

HALFF  
4000 FOSSIL CREEK BLVD.  
TYLER, TX 75701  
TEL (817) 847-1422  
FAX (214) 798-0066

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY FIRM M. WILSON, P.L.L.C. 40101 ON BEHALF OF THE ALTERNATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE LANDSCAPE ARCHITECT. AN OFFICE SEAL TITLE 25, TEXAS ADMINISTRATIVE CODE, CHAPTER 1 LANDSCAPE ARCHITECTS. THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE OFFICE OF HALFF ASSOCIATES, INC. 1201 NORTH BORDER, RICHARDSON, TEXAS 75081. TYPIC FIRM 8/1/12

Project No.: 47406  
Issued: JANUARY 2023  
Drawn By: CP  
Checked By: KMW  
Scale: AS SHOWN  
Sheet Title  
PLANTING PLAN & SCHEDULE  
L6.00  
Sheet Number



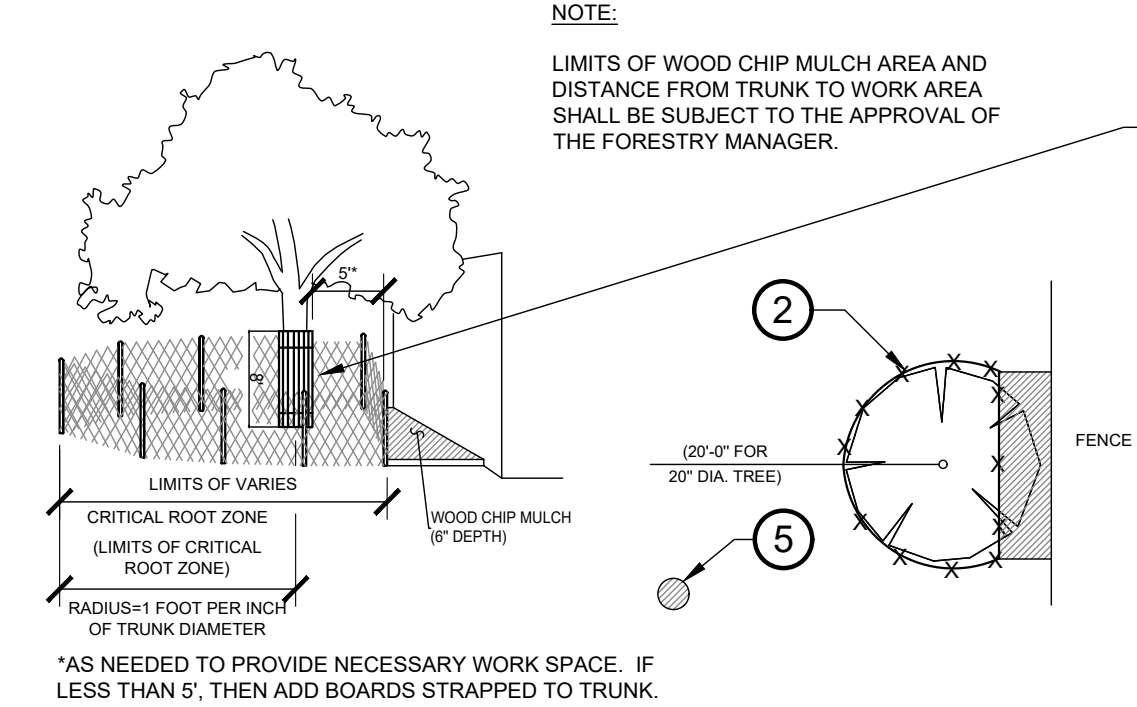
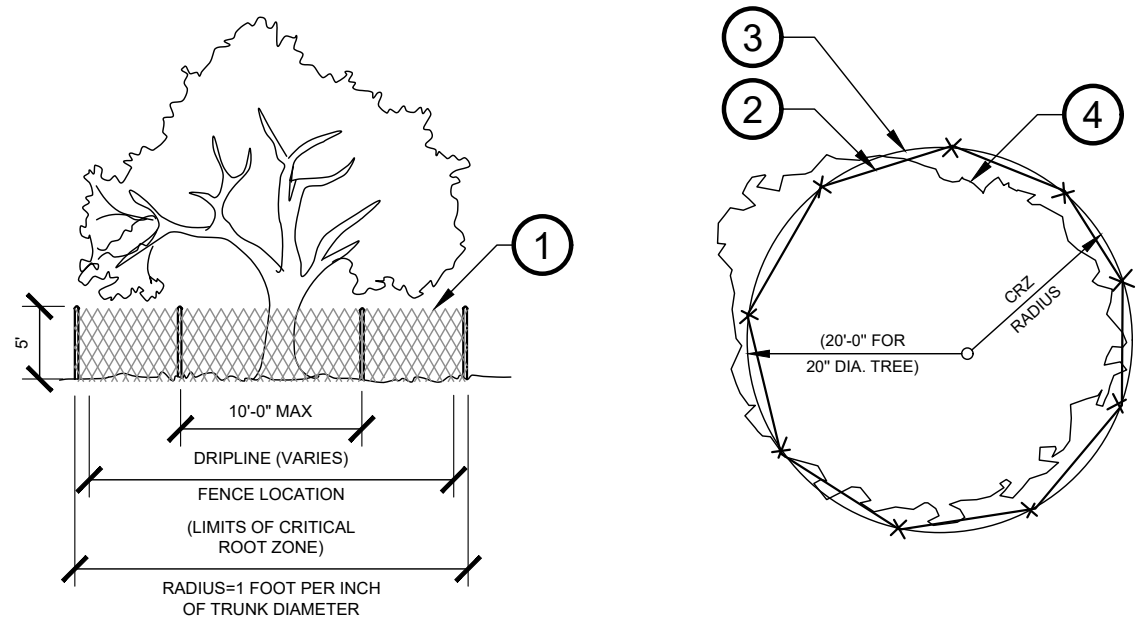
PLANTING NOTES

1. EXISTING CONDITIONS: THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE PRIOR TO SUBMITTING BID PROPOSAL, TO BECOME FAMILIAR WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK. THE LANDSCAPE CONTRACTOR SHALL IDENTIFY AND REVIEW ALL UNDERGROUND UTILITY LOCATIONS PRIOR TO COMMENCING WORK AND SHALL EXERCISE EXTREME CAUTION WHEN WORKING CLOSE TO UTILITIES, AND SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF APPARENT CONFLICTS WITH CONSTRUCTION AND UTILITIES SO THAT ADJUSTMENTS CAN BE PLANNED PRIOR TO INSTALLATION. CONTACT THE LOCAL UNDERGROUND UTILITY SERVICES FOR UTILITY LOCATION AND IDENTIFICATION. THE LANDSCAPE CONTRACTOR BEARS FULL RESPONSIBILITY FOR THIS WORK AND DISRUPTION OR DAMAGE TO UTILITIES SHALL BE REPAIRED IMMEDIATELY AT NO EXPENSE TO THE OWNER.
2. ALL SITE FEATURES INCLUDING LIGHTS AND OTHER UTILITIES, ABOVE AND BELOW GRADE, TO BE VERIFIED ON SITE PRIOR TO PLANTING AND IRRIGATION INSTALLATION. NOTIFY OWNER'S REPRESENTATIVE TO MAKE ADJUSTMENTS PRIOR TO INSTALLATION.
3. LAYOUT AND GRADING: THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ACCURATELY LAYING OUT PLANTS. PLACE CONTAINED PLANTS SPACED AS STATED IN SCHEDULE AND ARRANGED PER PLANS ON TOP OF PREPARED BEDS FOR REVIEW AND APPROVAL. ONLY AFTER THE OWNER'S REPRESENTATIVE HAS APPROVED THE PLANTING LAYOUT AND THE IRRIGATION SYSTEM HAS BEEN APPROVED AND PRESSURIZED IS ANY PLANT TO BE INSTALLED.

DISTURBED LAND AREAS THAT ARE NOT BEING PLANTED SHALL BE HYDROMULCHED. RAKE SMOOTH THE AREA, REMOVING AND DISPOSING OF STONES OVER 1" DIAMETER AND STICKS, ROOTS, AND OTHER EXTRANEOUS MATTER AND LEGALLY DISPOSING OF THEM OFF OWNER'S PROPERTY. ALL AREAS SHALL BE FINE GRADED TO ACHIEVE POSITIVE DRAINAGE WITHOUT PUDDLES OR STANDING WATER AND FEATHER INTO NATURAL GRADE. ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES TO WITHIN PLUS OR MINUS 1/2 INCH OF FINISH ELEVATION. LIMIT FINISH GRADING TO AREAS THAT CAN BE PLANTED IN THE IMMEDIATE FUTURE.

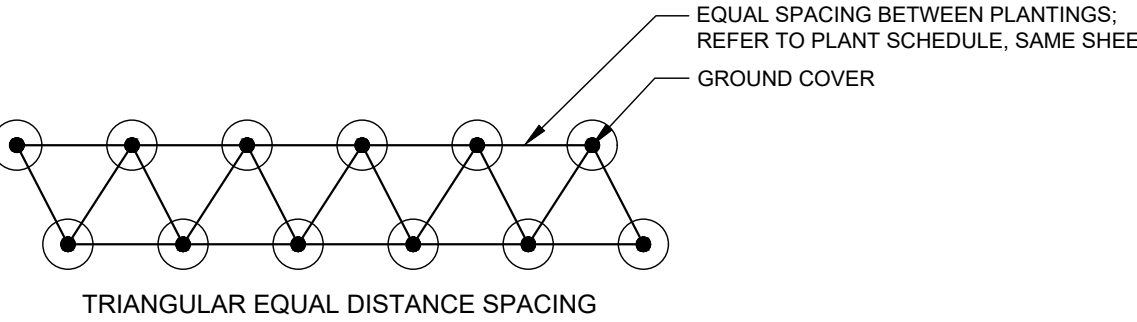
LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PROJECT AREA EROSION CONTROL. CONTRACTOR TO RESTORE TURF DISTURBED AFTER FINISH GRADING. CONTRACTOR TO PROTECT INLETS AS NEEDED AND COORDINATE WITH TOWN ENGINEER PRIOR TO FINAL INSTALLATION.

4. HYDROMULCH: THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPORTING AND PLACING HYDROMULCH TO PREPARE THE TURF AREAS FOR THE SPECIFIED GRASS SOD AND/OR SEEDING. TURF AREAS SHALL RECEIVE A 3" LAYER OF STOCKPILED TOPSOIL PLACED ON TOP OF THE SUBGRADE MATERIAL. THE LANDSCAPE ARCHITECT, LANDSCAPE CONTRACTOR AND OWNER SHALL REVIEW THE EXTENT OF THIS WORK PRIOR TO COMMENCEMENT OF INSTALLATION. DO NOT SPREAD TOPSOIL IF SOIL OR SUBGRADE IS FROZEN, MUDDY OR EXCESSIVELY WET. TOPSOIL SHALL BE A MIN. OF 2% ORGANIC WITH PH BETWEEN 6.0 - 7.0.
5. PLANTER BEDS: THE LANDSCAPE CONTRACTOR SHALL BACKFILL ALL AREAS BEHIND THE GABION WALLS WITH THE APPROPRIATE MATERIAL AND TO THE DEPTHS AS STATED ON THE PLANTING DETAIL (SEE DETAIL 2 SHEET L6.01) LEAVING THE FINISHED TOP OF BED 1" BELOW TOP OF WALLS. BACKFILL SHOULD BE INSTALLED IN 6" LIFTS AND ROTOTILLED AT EACH LIFT TO A 6" DEPTH.
6. PREPARED SOIL MIX SHALL CONSIST OF 6" IMPORTED TOPSOIL AND 2" COMPOST, THOROUGHLY BLENDED TOGETHER. FOLLOWING EXCAVATION, PLACE PREPARED SOIL MIX IN THESE PLANT BEDS. CREATE POSITIVE DRAINAGE IN LANDSCAPE AREAS AWAY FROM ALL BUILDINGS AND STRUCTURES. THIS MIX SHALL ALSO BE USED TO BACKFILL PLANTING PITS OF ALL PIT-PLANTED SHRUBS AND TREES. IN BID PROPOSAL, SUBMIT SAMPLE FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT.
7. FINISH GRADES OF ALL BEDS SHALL BE 1" BELOW TOP OF GABIONS.
8. WEED CONTROL: FIRST HERBICIDE APPLICATION TO BE 4 WEEKS PRIOR TO PREPARING PLANT AREAS, AND SECOND HERBICIDE APPLICATION TO BE 2 WEEKS PRIOR TO PREPARING PLANT AREAS.
9. MULCH: APPLY A 2" LAYER OF (PRE-APPROVED) SHREDDED HARDWOOD MULCH AFTER PLANT INSTALLATION HAS BEEN COMPLETED AND APPROVED TO ALL PLANTING BED AREAS. TAPER MULCH AWAY FROM BASE OF PLANTS. PLACE DRIP LINES UNDER MULCH AFTER INSPECTION.
10. HYDROMULCH: LIMITS OF HYDROMULCH AREAS SHOWN ON THE DRAWINGS ARE SCHEMATIC AND NOT TO BE CONSTRUED TO BE PRECISE. THE LANDSCAPE ARCHITECT, LANDSCAPE CONTRACTOR AND DESIGN BUILDER SHALL REVIEW THE LIMITS OF SEEDING AND SODDING PRIOR TO COMMENCING INSTALLATION. THE LANDSCAPE ARCHITECT, LANDSCAPE CONTRACTOR SHALL REVIEW THE LIMITS OF SEEDING PRIOR TO COMMENCING INSTALLATION. LANDSCAPE CONTRACTOR SHALL PROVIDE A UNIFORM STAND OF GRASS BY WATERING AND MAINTAINING SEEDED AREAS UNTIL DATE OF SUBSTANTIAL COMPLETION. RESEED AREAS, WITH SPECIFIED MATERIALS, WHICH FAIL TO PROVIDE A UNIFORM STAND UNTIL OWNER'S REPRESENTATIVE REVIEWS ALL AFFECTED AREAS. REPLACE IMMEDIATELY UNLESS REQUIRED TO SEED IN THE SUCCEEDING PLANTING SEASON. RESTRICT TRAFFIC FROM SEEDED AREAS UNTIL ESTABLISHED. ERECT SIGNS FLAGGING AND BARRIERS AS REQUIRED. SOW GRASS SEED WHEN SOIL TEMPERATURE IS ABOVE 65 DEGREES F (IN EARLY SPRING THROUGH LATE SUMMER).

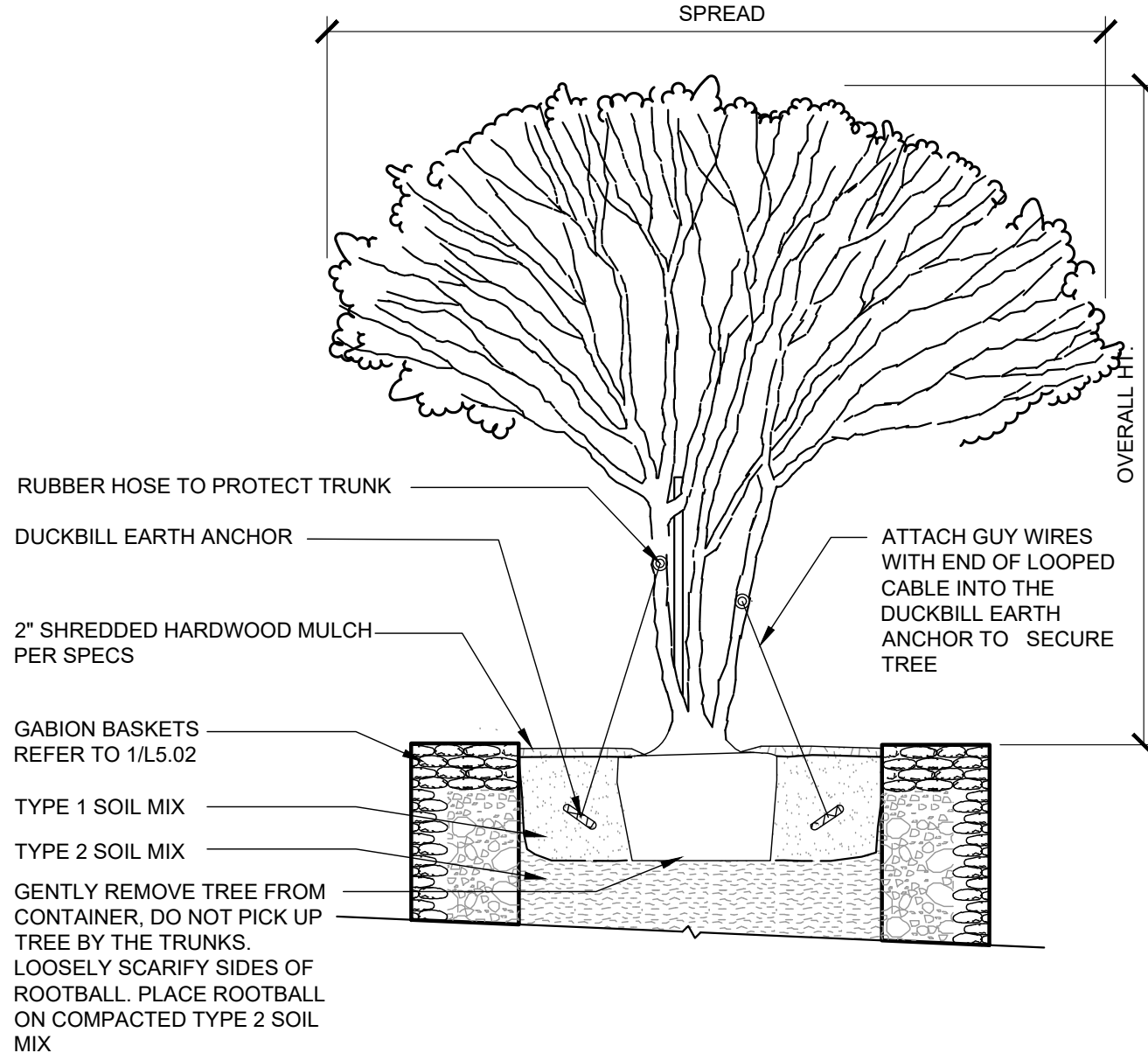


1 TREE PROTECTION FENCE  
N.T.S.

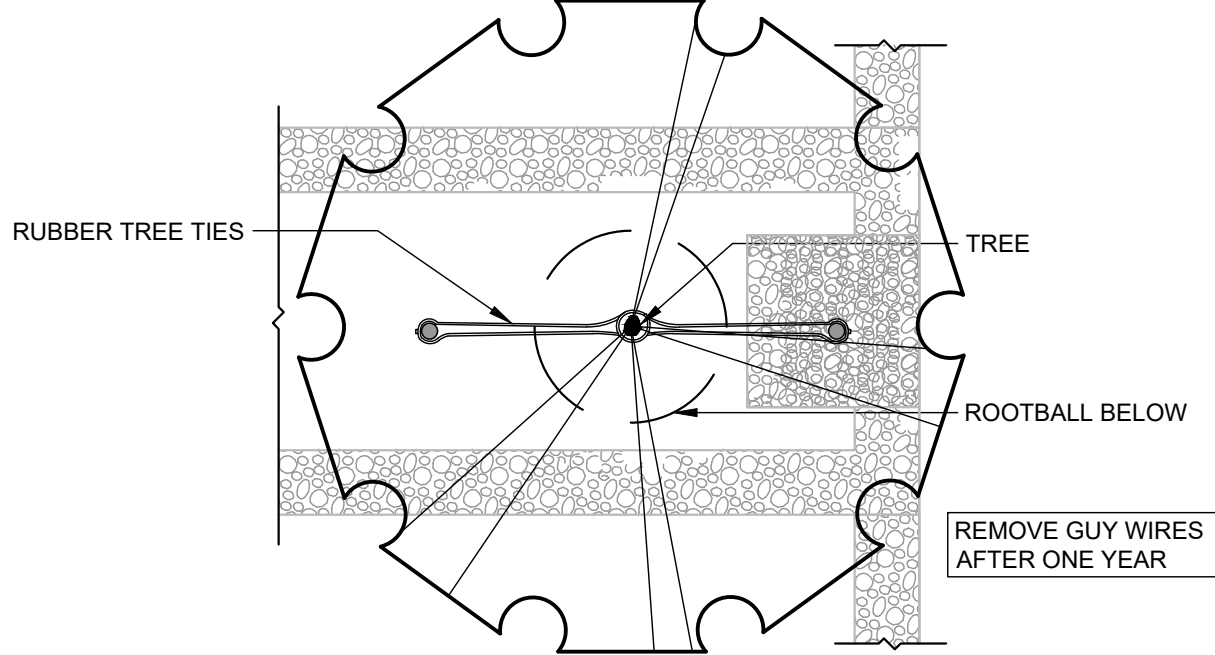
2 SHRUB AND PERENNIAL BED PLANTING  
N.T.S.



3 GROUND COVER  
N.T.S.



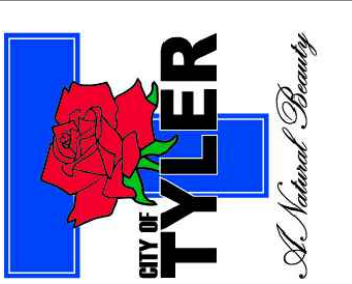
4 MULTI-TRUNK TREE PLANTING  
N.T.S.



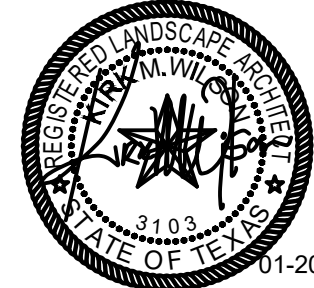
5 TYPICAL TREE TIE-OFF - PLAN  
N.T.S.

11. PLANTS: ALL PLANTS SHALL BE NURSERY GROWN, GRADE 1 PLANTS MEETING NURSERYMAN ASSOCIATION STANDARDS, TYPICAL IN SHAPE AND SIZE FOR SPECIES. PROVIDE MATCHING FORMS AND SIZES FOR PLANT MATERIALS WITHIN EACH SPECIES AND SIZE DESIGNATED ON THE DRAWINGS. PLANTS SHALL NOT BE ROOT-BOUND NOR LOOSE IN THEIR CONTAINERS. HANDLE ALL PLANTS WITH CARE IN TRANSPORTING, PLANTING AND MAINTENANCE UNTIL INSPECTION AND FINAL ACCEPTANCE. PLANTS SHALL BE INSTALLED TO PRESENT THEIR BEST SIDE FACING THE VIEWER. USE TOTAL QUANTITIES OF PLANTS INDICATED; ADJUST SPACING AS NEEDED TO EVENLY FILL BEDS. OWNER'S REPRESENTATIVE SHALL HAVE FINAL APPROVAL OF PLANT MATERIAL LAYOUT. PRUNE NEWLY PLANTED TREES ONLY AS DIRECTED BY LANDSCAPE ARCHITECT.
12. REGULAR CLEAN UP AT THE JOB SITE AND ACCESS ROUTES SHALL TAKE PLACE ON A DAILY BASIS UNLESS OTHERWISE APPROVED OR REQUIRED BY THE OWNER'S REPRESENTATIVE. DEMOLITION AND INSTALLATION SCHEDULING IS TO BE COORDINATED WITH OWNER'S REPRESENTATIVE. DAILY AND ANY BARRIERS/PROTECTIVE DEVICES ARE TO BE INSTALLED AS NEEDED TO PROTECT THE SAFETY OF THE PUBLIC. SPECIAL CARE SHALL BE TAKEN TO KEEP ALL VEHICULAR ROUTES OPEN AND PEDESTRIAN ACCESS UNOBSTRUCTED FOR SAFE PASSAGE DURING DEMOLITION AND CONSTRUCTION.

13. WARRANTY: THE CONTRACTOR WILL PROVIDE A STANDARD ONE YEAR PLANT GUARANTEE, WARRANTY REPLACEMENT BEGINNING AT FINAL PROJECT ACCEPTANCE. ANY PLANT THAT HAS DIED OR PARTIALLY DIED (THEREBY RUINING THEIR NATURAL SHAPE), WITHIN THE FIRST YEAR MUST BE REPLACED WITH A PLANT OF THE SAME VARIETY AND SIZE OF THE ORIGINAL. PLANTS THAT HAVE BEEN VANDALIZED, STOLEN, OR DIE FROM NATURAL CONDITIONS OR IMPROPER MAINTENANCE ARE EXCLUDED. PLANTS REPLACED UNDER WARRANTY WILL ALSO HAVE A YEAR WARRANTY FOLLOWING REPLACEMENT. IF THE PLANT DIES A SECOND TIME, THE LOCATION AND CONDITIONS SHOULD BE THOROUGHLY INVESTIGATED TO FIND THE CAUSE AND SOLUTION. THE CONTRACTOR IS NOT RESPONSIBLE FOR A THIRD REPLACEMENT, BUT THE OWNER CAN CHOOSE TO PAY FOR FUTURE REPLACEMENTS.



Revision	Description	Date
No.		



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY PUBLIC ACTS, CH. 1, § 10, AND CH. 1, § 10, OF THE 19TH LEGISLATIVE SESSION, 1890. IT IS HEREBY CERTIFIED THAT THE SEAL IS A TRUE AND CORRECT COPY OF THE ORIGINAL. THE RECORD COPY OF THIS DOCUMENT IS ON FILE AT THE OFFICE OF THE ARCHITECT, TEXAS 75201. 10-1-2023

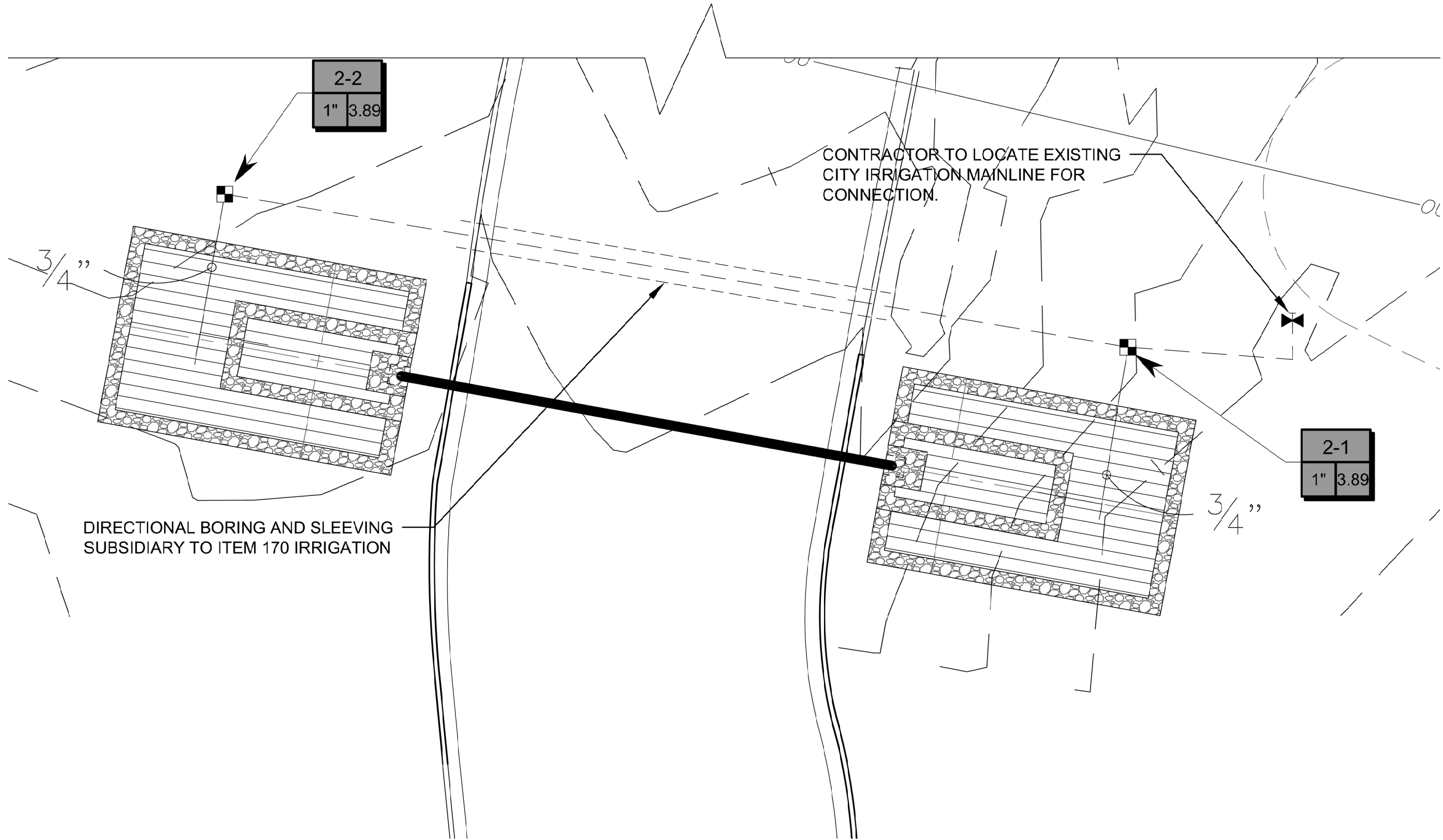
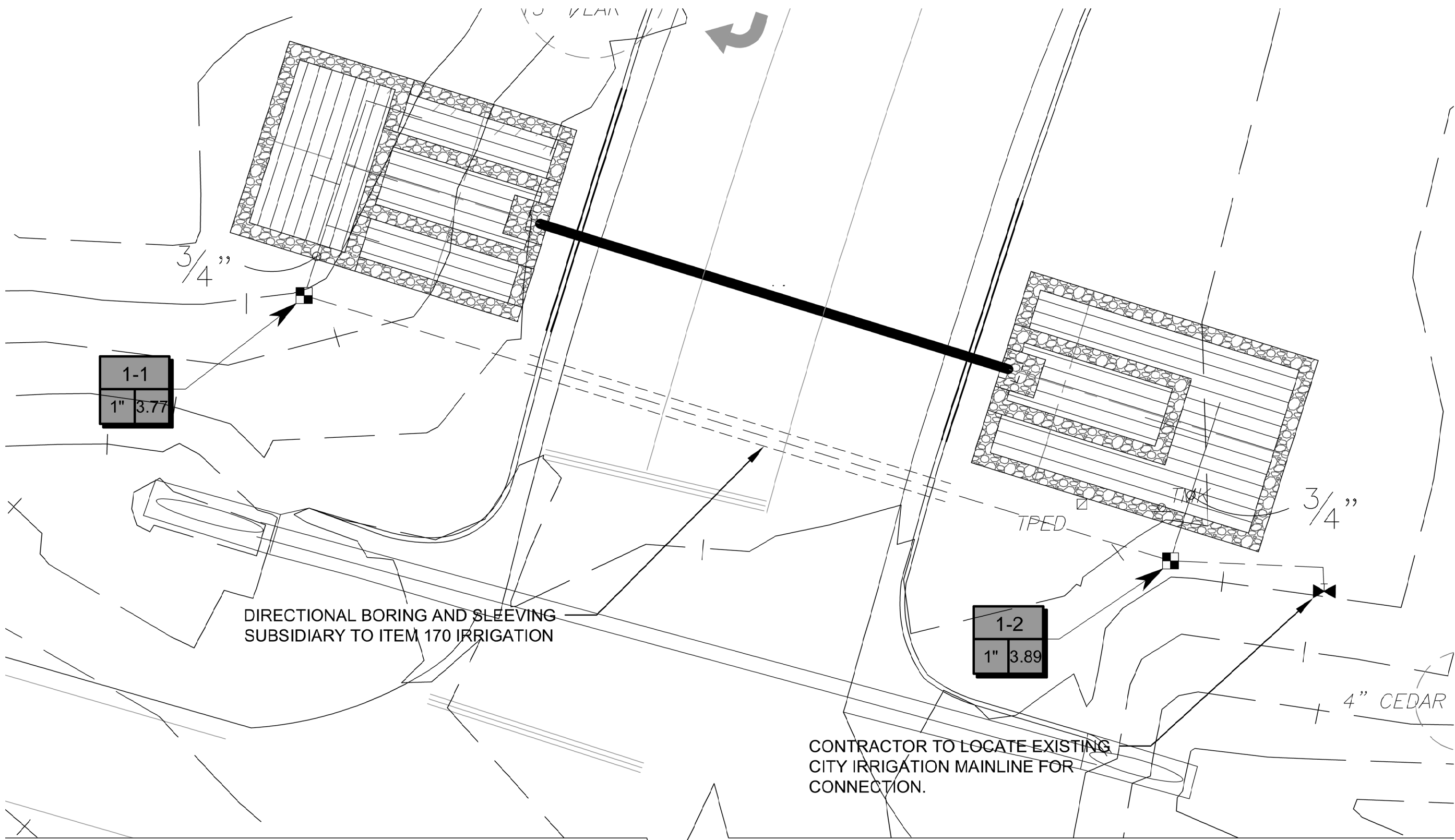
Project No.:	47406
Issued:	JANUARY 2023
Drawn By:	CP
Checked By:	KMW
Scale:	AS SHOWN
Sheet Title	

LANDSCAPE DETAILS

L6.01

Sheet Number





1

IRRIGATION PLAN

SCALE: 1" = 10'-0"

NORTH

05

10

20

SCALE 1" = 10'-0"

FULL SIZE SHEET

010

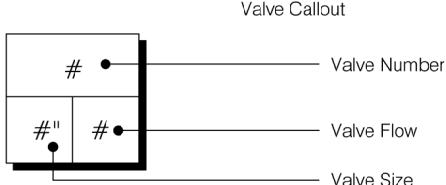
20

40

SCALE 1" = 20'-0"

HALF SIZE SHEET

IRRIGATION SCHEDULE		
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Hunter ICZ-101-40-LF 1" Drip Control Zone Kit. 1in. ICV Globe Valve with 1in. HY100 filter system. Pressure Regulation: 40 psi. Flow Range: .5 GPM - 15 GPM. 150 mesh stainless steel screen.	4
	Area to Receive Dripline Hunter HDL-06-12-CV HDL-06-12-CV: Hunter Dripline w/ 0.6 GPH emitters at 12" O.C. Check valve, dark brown tubing with gray striping. Dripline laterals spaced at 12" apart, with emitters offset for triangular pattern. Install with Hunter PLD barbed or PLD-LOC fittings.	1,544 s.f.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	
	Nibco T-113-K Class 125 bronze gate shut off valve with cross handle, same size as mainline pipe diameter at valve location. Size Range - 1/4in. - 3in.	
	Irrigation Lateral Line: PVC Class 200 SDR 21 3/4"	
	Irrigation Mainline: PVC Class 200 SDR 21 1"	
	Pipe Sleeve: PVC Schedule 40	



VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	PSI	PSI @ POC	PRECIP
1-1	Hunter ICZ-101-40-LF	1"	Area for Dripline	3.77	19.0	27.2	0.96 in/h
1-2	Hunter ICZ-101-40-LF	1"	Area for Dripline	3.89	19.2	27.2	0.96 in/h
2-1	Hunter ICZ-101-40-LF	1"	Area for Dripline	3.89	19.2	27.2	0.96 in/h
2-2	Hunter ICZ-101-40-LF	1"	Area for Dripline	3.89	19.2	27.4	0.96 in/h

Notes:

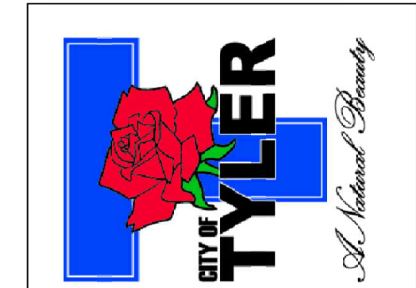
- Directional boring and sleeving is subsidiary to Item 170 - Irrigation.
- Contractor to locate existing city irrigation mainline to tie in proposed irrigation.
- Contractor to locate existing city irrigation controllers, and verify capacity for additional valve wires. If there is not enough capacity to add the additional valve wires, contractor to notify the Owner and Landscape Architect before proceeding with irrigation installation.

CRITICAL ANALYSIS

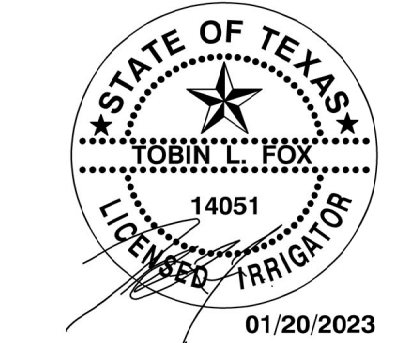
Generated: 15:06	2023-01-04
P.O.C. NUMBER: 01	
Water Source Information:	
FLOW AVAILABLE	
Water Meter Size:	5/8"
Flow Available:	15 GPM
PRESSURE AVAILABLE	
Static Pressure at POC:	80 PSI
Elevation Change:	5.00 ft
Service Line Size:	1 1/4"
Length of Service Line:	20 ft
Pressure Available:	77 PSI
DESIGN ANALYSIS	
Maximum Station Flow:	3.89 GPM
Flow Available at POC:	15 GPM
Residual Flow Available:	11.11 GPM
Design Pressure:	15 PSI
Friction Loss:	0.09 PSI
Fittings Loss:	0.01 PSI
Elevation Loss:	0 PSI
Loss through Valve:	3.91 PSI
Pressure Req. at Critical Station:	19.0 PSI
Loss for Fittings:	0.03 PSI
Loss for Main Line:	0.28 PSI
Loss for POC to Valve Elevation:	0 PSI
Loss for Backflow:	5 PSI
Loss for Master Valve:	2.35 PSI
Loss for Water Meter:	0.55 PSI
Critical Station Pressure at POC:	27.2 PSI
Pressure Available:	77 PSI
Residual Pressure Available:	49.6 PSI

CRITICAL ANALYSIS

Generated: 15:22	2023-01-04
P.O.C. NUMBER: 02	
Water Source Information:	
FLOW AVAILABLE	
Water Meter Size:	5/8"
Flow Available:	15 GPM
PRESSURE AVAILABLE	
Static Pressure at POC:	80 PSI
Elevation Change:	5.00 ft
Service Line Size:	1 1/4"
Length of Service Line:	20 ft
Pressure Available:	77 PSI
DESIGN ANALYSIS	
Maximum Station Flow:	3.89 GPM
Flow Available at POC:	15 GPM
Residual Flow Available:	11.11 GPM
Design Pressure:	15 PSI
Friction Loss:	0.14 PSI
Fittings Loss:	0.01 PSI
Elevation Loss:	0 PSI
Loss through Valve:	4.01 PSI
Pressure Req. at Critical Station:	19.2 PSI
Loss for Fittings:	0.03 PSI
Loss for Main Line:	0.31 PSI
Loss for POC to Valve Elevation:	0 PSI
Loss for Backflow:	5 PSI
Loss for Master Valve:	2.36 PSI
Loss for Water Meter:	0.58 PSI
Critical Station Pressure at POC:	27.4 PSI
Pressure Available:	77 PSI
Residual Pressure Available:	49.6 PSI



Revision No.	Date	Description



Project No.:	47406
Issued:	01-20-2023
Drawn By:	TLF
Checked By:	TLF
Scale:	AS SHOWN
Sheet Title	
IRRIGATION PLAN & SCHEDULE	
L7.00	
Sheet Number	



IRRIGATION GENERAL NOTES

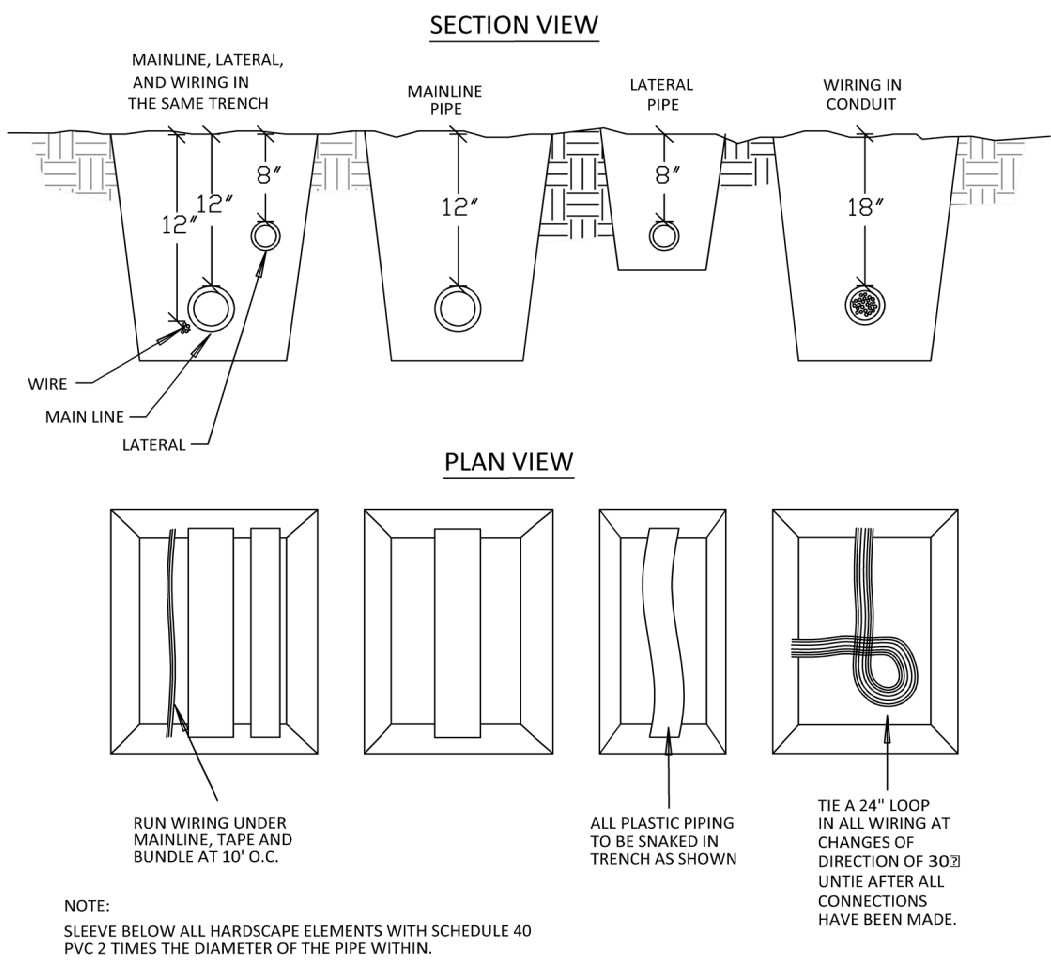
1. THE CONTRACTOR SHALL LOCATE AND VERIFY THE EXISTENCE OF ALL UTILITIES AND EXISTING IRRIGATION SYSTEM PRIOR TO INITIATING WORK. THIS IRRIGATION SYSTEM IS TYING INTO THE EXISTING SYSTEM. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THESE PLANS ARE APPROXIMATE ONLY. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE. IRRIGATION CONTRACTOR TO ENSURE EXISTING IRRIGATION SYSTEM IS OPERATIONAL BEFORE BEGINNING WORK. NOTIFY OWNER OF ANY ISSUES PRIOR TO COMMENCING WORK.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OR INTERRUPTION IN SERVICE CAUSED BY HIS EXCAVATIONS AND/OR WORK.
3. IRRIGATION PLAN IS DIAGRAMMATIC IN NATURE. CONTRACTOR SHALL BE RESPONSIBLE FOR ACCOMPLISHING FULL COVERAGE IN ALL AREAS WITH SPECIFIED EQUIPMENT. ANY DISCREPANCIES IN THE PLAN SHOULD BE BROUGHT TO THE LICENSES IRRIGATOR'S ATTENTION BEFORE BID.
4. WHERE TREES, LIGHT STANDARDS, ETC. ARE AN OBSTRUCTION OF PIPING AND DRIP EMITTERS THE IRRIGATION SHALL BE ADJUSTED AND/OR RELOCATED AS NECESSARY.
5. ALL FITTINGS AND NECESSARY EQUIPMENT REQUIRED TO MAKE THIS IRRIGATION SYSTEM OPERATE PROPERLY AND TO COMPLY WITH LOCAL AND STATE CODES ARE INCIDENTAL TO THESE PLANS AND ARE THE CONTRACTOR'S RESPONSIBILITY. CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO CONSTRUCT PROPOSED IRRIGATION SYSTEM IN ACCORDANCE WITH PLANS, WRITTEN SPECIFICATIONS, AND DETAILS.
6. THIS IRRIGATION SYSTEM WAS DESIGNED FOR A MINIMUM STATIC PRESSURE AT THE POINT OF CONNECTION AS INDICATED ON THE PLANS. THE CONTRACTOR SHALL VERIFY ACTUAL PSI AND DELIVER RESULTS TO THE LICENSED IRRIGATOR PRIOR TO CONSTRUCTION. IN THE EVENT THE ACTUAL PSI IS LESS THAN WHAT IS SPECIFIED ON THE PLANS THE CONTRACTOR SHALL RECEIVE DIRECTION FROM THE LICENSED IRRIGATOR REGARDING DESIGN MODIFICATIONS IF NECESSARY.
7. CONTRACTOR WILL BE HELD LIABLE FOR GAINING ACCESS UNDER ALL PAVEMENTS. IF SLEEVES ARE INDICATED ON THE PLANS THEY SHOULD BE VERIFIED FOR ACCESSIBILITY AND PASSIBILITY BEFORE BID IS MADE. IF NOT, THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF SLEEVE PIPING WITH ALL TRADES TO INSURE THAT SLEEVES ARE INSTALLED PROPERLY PRIOR TO INSTALLATION OF CURB AND GUTTER, ASPHALT PAVING, SIDEWALKS, CONCRETE PADS, ETC. PROVIDE SLEEVES AS SHOWN TO COMPLETE THIS PROJECT. COORDINATE AND MARK ALL SLEEVE ENDS WITH SAW-CUT IN FIELD WITH THE GENERAL CONTRACTOR. ALL SLEEVES SHALL HAVE AN EXTRA SLEEVE OF EQUAL SIZE ADDED FOR POTENTIAL FUTURE EXPANSION AND ADDITION.
8. THE CONTRACTOR SHALL LOCATE AND VERIFY WATER SUPPLY TO WHICH THE IRRIGATION SYSTEM WILL CONNECT. ALL EQUIPMENT AND INSTALLATION METHODS SHALL COMPLY WITH ALL LOCAL, REGIONAL, STATE, AND FEDERAL GUIDELINES.
9. CONTRACTOR IS RESPONSIBLE FOR ALL CONNECTIONS AND METERS REQUIRED FOR THE FULL IMPLEMENTATION OF THE SYSTEM.
10. THE CONTRACTOR SHALL COORDINATE WATER "TAP-IN" LOCATIONS AND CONTROLLER CONNECTIONS WITH THE OWNER'S AGENT PRIOR TO INSTALLATION.
11. ALL VALVES SHALL BE LOCATED IN PLANTING AREAS WHERE SHOWN AND ALL PIPING SHALL BE INSTALLED PRIOR TO LANDSCAPE PLANTING WORK.
12. NO TEES, ELLS, OR OTHER TURNS IN PIPING SHALL BE LOCATED UNDER PAVING.
13. CONTRACTOR SHALL SIZE VALVE BOXES TO HOUSE ENTIRE IRRIGATION ASSEMBLIES AS SHOWN. VALVE BOX EXTENSIONS AS MANUFACTURED BY THE VALVE BOX SUPPLIER SHALL BE INSTALLED TO MAINTAIN THE VALVE BOX COVER FLUSH WITH THE FINISHED GRADE AND THE VALVE BOX BASE A MINIMUM OF 2 INCHES BELOW THE BOTTOM OF ANY IRRIGATION ASSEMBLY.
14. PIPE SIZES SHOWN AT POINTS OF CONNECTION AND WHERE CHANGES IN PIPE SIZE OCCUR, ALL PIPES SHALL BE THE SIZE OF THE LAST PRECEDING SIZE CALLED OUT UPSTREAM OF EACH SECTION OF PIPE UNLESS OTHERWISE NOTED. LATERAL LINES WITH FLOW OF 10 GPM OR LESS SHALL BE SIZE 3/4".
15. EACH CONTROLLER WILL HAVE AN INDEPENDENT COMMON WIRE.
16. SPLICING OF REMOTE CONTROL VALVE WIRES IS NOT ALLOWED BETWEEN CONTROLLER AND VALVE BOX. WIRES MUST BE CONTINUOUS FROM CONTROLLER TO REMOTE CONTROL VALVE WITHOUT SPLICING.
17. CONTRACTOR TO FLUSH ALL LINES PRIOR TO INSTALLING HEADS AND EMITTERS.
18. ALL TRENCH BACKFILL SHALL BE CLEAN MATERIAL FROM EXCAVATION BACKFILL. TRENCH IS TO BE EVEN WITH EXISTING GRADES AFTER COMPACTION.
19. TRENCH BACKFILL MATERIAL SHALL BE WATER SETTLED AND COMPACTED.
20. ALL REMOTE CONTROL VALVE WIRES NEED TO BE LABELED AT THE VALVE W/ WEATHER (WATER) PROOF LABELS AND AT CONTROLLER WITH CORRESPONDING LABEL.
21. CONTRACTOR SHALL PLACE ALL SPRAY AND ROTARY HEADS AT LEAST 4" INSIDE FROM ANY CURBING, SIDEWALK, FENCING, OR BUILDING.
22. ALL SLEEVES SHALL HAVE AN EXTRA SLEEVE OF EQUAL SIZE ADDED FOR POTENTIAL FUTURE EXPANSION AND ADDITION.
23. ADJUSTABLE FLOW CONTROLS SHALL BE REQUIRED ON CIRCUIT REMOTE CONTROL VALVES. A PRESSURE REGULATION COMPONENT(S) SHALL BE REQUIRED WHERE STATIC PRESSURE EXCEEDS MANUFACTURER'S RECOMMENDED OPERATING RANGE.
24. HEADS SHALL HAVE MATCHED PRECIPITATION RATES WITHIN THE CONTROL VALVE CIRCUIT, EITHER BY DESIGN OR MANUFACTURER'S PRODUCT.
25. SERVICEABLE CHECK VALVES SHALL BE REQUIRED WHERE ELEVATION DIFFERENTIAL MAY CAUSE LOW HEAD DRAINAGE ADJACENT TO PAVING AREAS.
26. ALL AUTOMATIC IRRIGATION SYSTEMS SHALL BE EQUIPPED WITH A CONTROLLER CAPABLE OF DUAL OR MULTIPLE PROGRAMMING. CONTROLLERS SHALL HAVE MULTIPLE CYCLE START CAPACITY AND A FLEXIBLE CALENDAR PROGRAM, INCLUDING THE CAPABILITY OF BEING SET TO WATER EVERY FIVE DAYS. ALL AUTOMATIC IRRIGATION SYSTEMS SHALL BE EQUIPPED WITH A RAIN SENSOR SHUTOFF DEVICE LOCATED WHERE RAINFALL IS UNOBSTRUCTED AND ADJUSTED TO ONE-FOURTH INCH SETTING. CONTRACTOR TO COORDINATE AND PROVIDE ELECTRIC SERVICE FOR AUTOMATIC CONTROLLER(S).
27. PROVIDE LAMINATED COPY OF THE RECOMMENDED SETTINGS AND A SCHEDULE TO INCLUDE:  
27A. ESTIMATED MONTHLY WATER USE (IN GALLONS PER APPLICATION)  
27B. PRECIPITATION RATE FOR THE VALVE CIRCUIT  
27C. MONTHLY IRRIGATION SCHEDULE FOR THE PLANT ESTABLISHMENT PERIOD (FIRST THREE MONTHS) AND RECOMMENDED YEARLY WATERING SCHEDULE, INCLUDING SEASONAL ADJUSTMENTS.
28. 2'-0" MIN. OFFSET OF MAINLINE FROM BACK OF CURB BYP.

29. IRRIGATION CONTRACTOR IS TO BE A STATE OF TEXAS LICENSED IRRIGATOR, AND IS TO FOLLOW ALL TCEQ CODES AND REGULATIONS.
30. ALL BACKFLOW PREVENTION ASSEMBLIES/DEVICES SHALL BE TESTED PER CODES.
31. ALL METER AND TAP IN LOCATIONS TO BE COORDINATED AND VERIFIED WITH OWNER AND LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
32. ALL CONTROLLER AND ACCESSORY LOCATIONS TO BE COORDINATED AND VERIFIED WITH OWNER AND LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
33. ALL LOCAL MUNICIPAL AND STATE LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR.
34. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK INDICATED HEREIN BEFORE BEGINNING WORK.
35. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY EQUIPMENT AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN CONDITIONS EXIST THAT WERE NOT EVIDENT AT THE TIME THESE PLANS WERE PREPARED. ANY SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO ANY WORK OR THE IRRIGATION CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY FIELD CHANGES DEEMED NECESSARY BY THE OWNER.
36. THE CONTRACTOR SHALL OBTAIN THE PERTINENT ENGINEERING SITE DEVELOPMENT AND/OR ARCHITECTURAL PLANS BEFORE BEGINNING WORK.
37. ALL IRRIGATION SYSTEM COMPONENTS SHOULD BE DESIGNED AND INSTALLED FOR NON-POTABLE WATER APPLICATION. CONTRACTOR SHALL INSTALL IRRIGATION SYSTEM IN COMPLIANCE WITH ALL CURRENT TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) STANDARDS AND REGULATIONS FOR NON-POTABLE WATER USE.
38. INSTALL ALL EQUIPMENT AS SHOWN IN THE DETAILS AND SPECIFICATIONS OR PER MANUFACTURER STANDARD SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH LOCAL CITY, COUNTY AND STATE REQUIREMENTS FOR BOTH EQUIPMENT AND INSTALLATION.
39. CONTRACTOR SHALL BE RESPONSIBLE FOR ELECTRICAL CONNECTION TO CONTROLLER AND ALL OTHER ASSOCIATED TASKS NEEDED TO MAKE THE CONTROLLER OPERATIONAL. CONTROLLER TO BE EQUIPPED WITH RAIN AND FREEZE SENSOR SHUT-OFF DEVICE. THE CONTRACTOR SHALL USE PROPER GROUNDING TECHNIQUES FOR GROUNDING THE CONTROLLER AND RELATED EQUIPMENT PER MANUFACTURERS SPECIFICATIONS.

40. ALL VALVES, PIPE, AND HEADS SHOWN IN THE LEGEND (OR APPROVED EQUALS) SHALL BE USED IN THE DESIGN OF THE IRRIGATION SYSTEM. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SIZE ALL PIPE TO ENSURE THAT THE SYSTEM, HEADS AND BUBBLERS USED IN THE SYSTEM ADHERE TO THE MANUFACTURER'S SPECIFICATIONS WITH REGARDS TO, BUT NOT LIMITED TO, FLOW AND PRESSURE.
41. CONTRACTOR TO BANK VALVES/BOXES, IN NEAT AND ORDERLY MANNER INSIDE LANDSCAPE PLANTING AREAS. COORDINATE PREFERRED LOCATION WITH OWNER PRIOR TO DESIGN AND/OR INSTALLATION. NO VALVES/BOXES SHALL BE PERMITTED WITHIN PLAYING FIELDS.
42. ALL IRRIGATION LINES AND SLEEVES SHALL BE AT A DEPTH OF 18"-24". DO NOT ROUTE PIPE DOWN THE CENTER OF THE TREE AND SHRUB BED AREAS; ALLOW FOR TREE AND SHRUB BED PLANTINGS. AVOID ANY CONFLICTS BETWEEN THE IRRIGATION SYSTEM, PLANTING, UTILITIES, AND ARCHITECTURAL FEATURES.
43. ALL PIPE UNDER PAVED AREAS TO BE INSTALLED IN SLEEVING PER PLAN CALLOUTS. ALL WIRE UNDER PAVED AREAS TO BE INSTALLED IN A SCH. 40 SLEEVE THE SIZE REQUIRED TO EASILY PULL WIRE THROUGH. ALL SLEEVES TO BE INSTALLED WITH A MIN. DEPTH AS SHOWN ON THE SLEEVING DETAILS.
44. CONTRACTOR SHALL EXERCISE EXTREME CARE WHEN EXCAVATING NEAR TREES. NO MECHANICAL TRENCHING SHALL BE PERMITTED BELOW THE DRIPLINE/CANOPY OF EXISTING TREES. CONTRACTOR SHALL ADJUST TRENCH PATH AND/OR EXCAVATE BY HAND TO AVOID DAMAGE TO EXISTING TREE ROOT SYSTEMS.
45. ALL MAINLINE AND LATERAL TRENCHES SHALL REMAIN OPEN UNTIL INSPECTED AND APPROVED BY OWNER AND/OR LANDSCAPE ARCHITECT.
46. COMPACTION OF THE PIPE TRENCHES SHALL BE SUFFICIENT TO LIMIT SHORT TERM SETTLING OF THE BACKFILL TO NO MORE THAN 1-INCH. THE CONTRACTOR SHALL CORRECT SETTLING GREATER THAN THIS WITHOUT ADDITIONAL COMPENSATION.
47. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS AND SPECIFICATIONS FOR IRRIGATION SYSTEM PRIOR TO PROJECT CLOSE-OUT.
48. ANY EXISTING IRRIGATION THAT CONFLICTS WITH PROPOSED DESIGN IS TO BE ADJUSTED AND REPLACED TO PROVIDE COMPLETE COVERAGE OF EXISTING IRRIGATED AREAS. ALL AREAS IN QUESTION ARE TO BE COORDINATED WITH OWNER AND LICENSED IRRIGATOR PRIOR TO CONSTRUCTION.
49. **WARRANTY** : CONTRACTOR SHALL PROVIDE A ONE-YEAR REPLACEMENT WARRANTY FOR ALL IRRIGATION MATERIALS INCLUDING INSTALLATION. WARRANTY SHALL NOT COVER DAMAGE RESULTING FROM IMPROPER OPERATION OR MAINTENANCE PRACTICES BY OWNER.
50. **IRRIGATION SPECIFICATIONS** : WHEN WRITTEN TECHNICAL SPECIFICATION ARE PROVIDED AND CONFLICT WITH THESE PLANS SPECIFICATIONS, THE PLANS SPECIFICATIONS SHALL PREVAIL FOR THIS PROJECT.

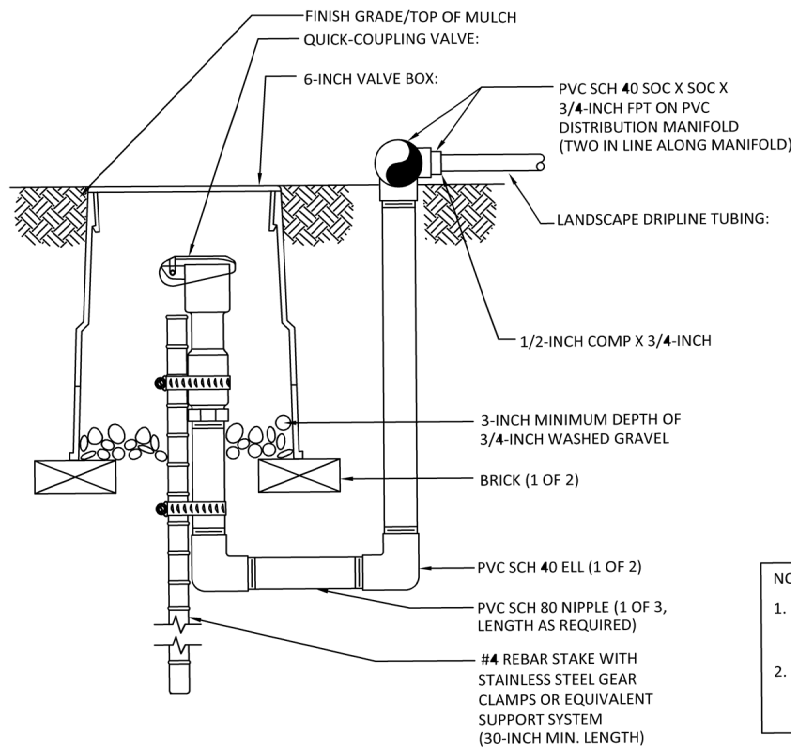
D RIP IRRIGATION NOTES

1. LATERAL LINES TO BE OFFSET 18" MIN. FROM HARDSCAPE / PAVED AREAS.
2. SPACING BETWEEN LATERAL LINES TO BE 12" MAX.
3. EMITTERS TO BE SPACED 24", TYP. (MIN. 18", MAX. 30") TO INSURE OPTIMAL WETTING OF THE ROOT ZONE.
4. ALL CONNECTIONS BETWEEN DRIP TUBING SHALL BE MADE USING MD CF FITTINGS.
5. PROVIDE EASY FIT COMPRESSION FLUSH CAPS AS REQUIRED.
6. ALWAYS USE STAKES AND DIFFUSER BUG CAPS FOR LONGER RELIABILITY.
7. REFER TO IRRIGATION NOTES FOR ADDITIONAL REQUIREMENTS.
8. ALL DRIP ZONES TO HAVE DRIPLINE FLUSH POINT, AIR RELIEF VALVE, AND POP-UP INDICATOR. (REF. DETAILS FOR ADDITIONAL INFORMATION)



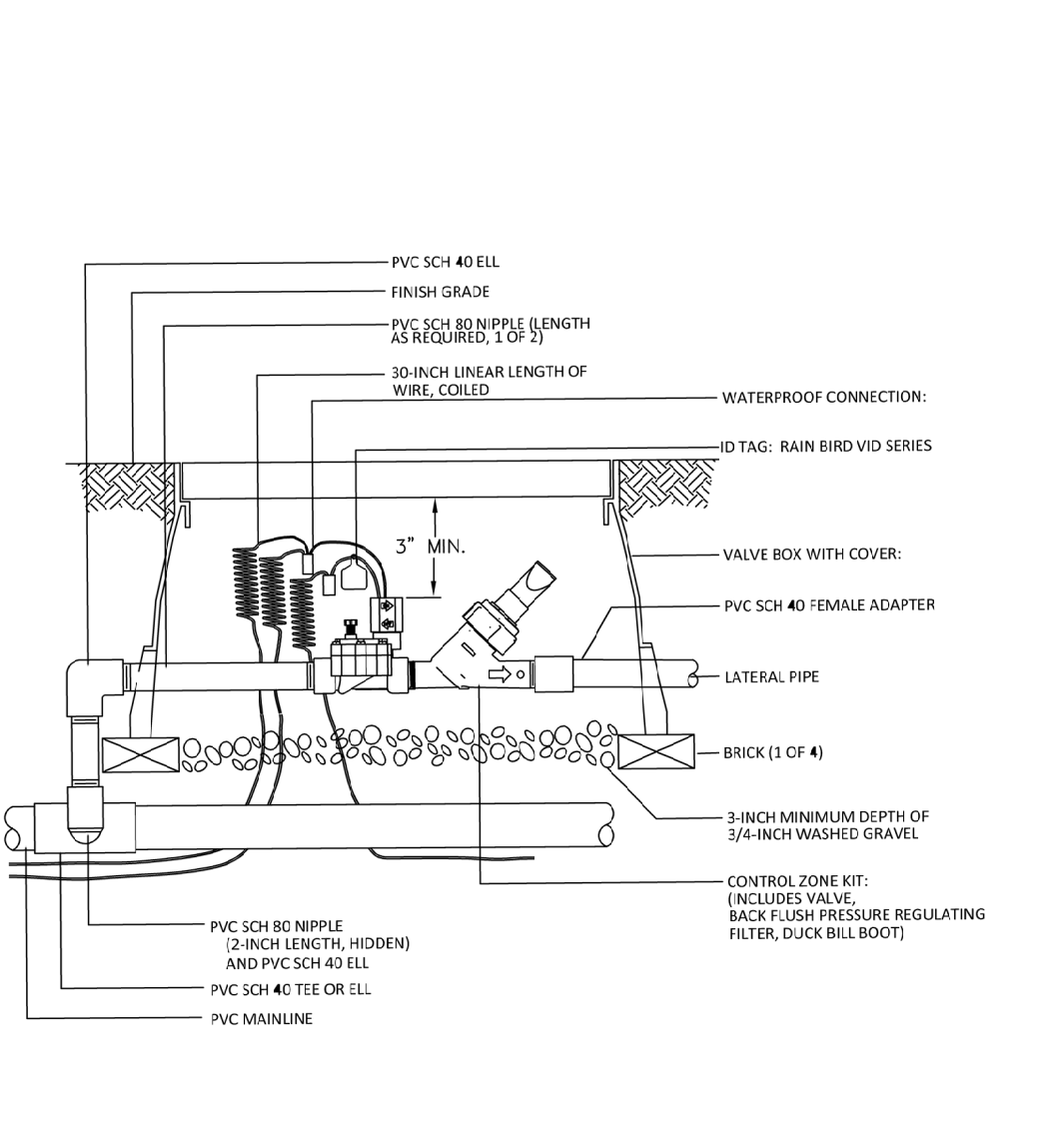
1 PIPE & WIRE TRENCHING (TYP.)

NOT TO SCALE



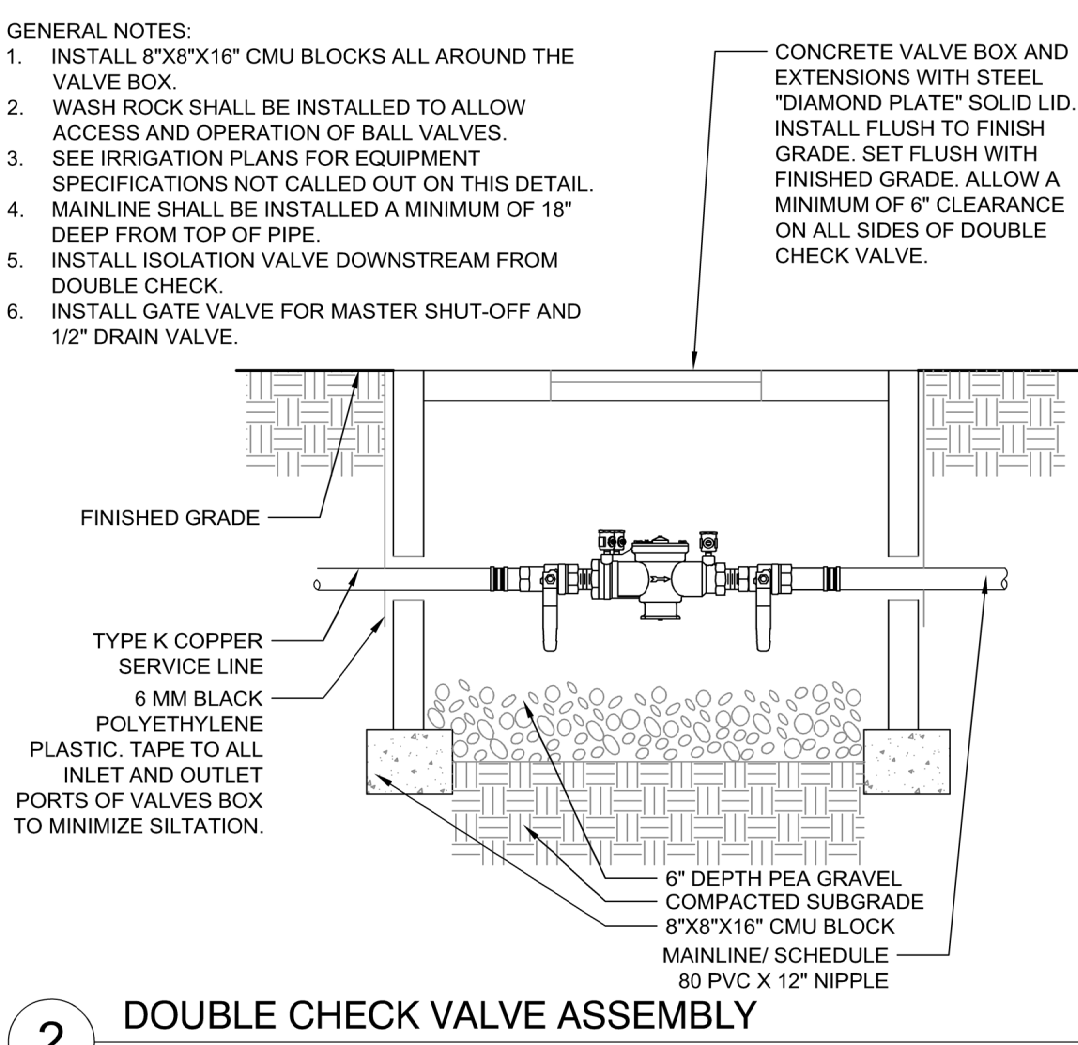
4 DRIPLINE FLUSH POINT POTABLE SYSTEM

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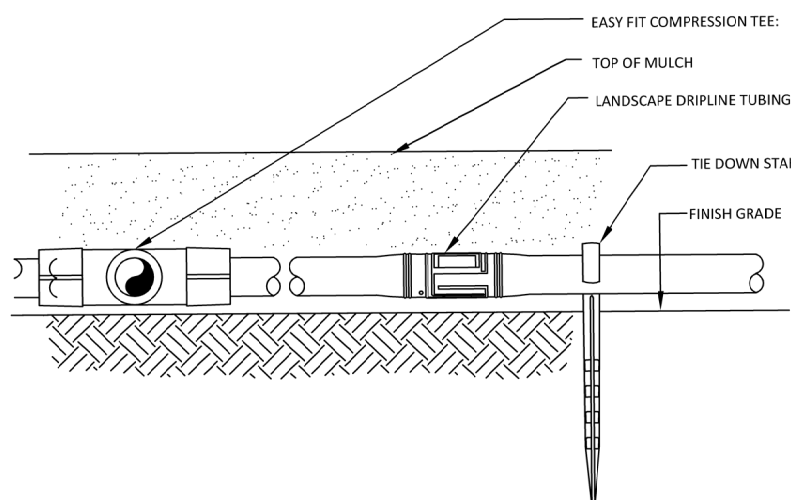
6 CONTROL ZONE KIT WITH PRESSURE REGULATING BACKFLUSH FILTER (TYP.)

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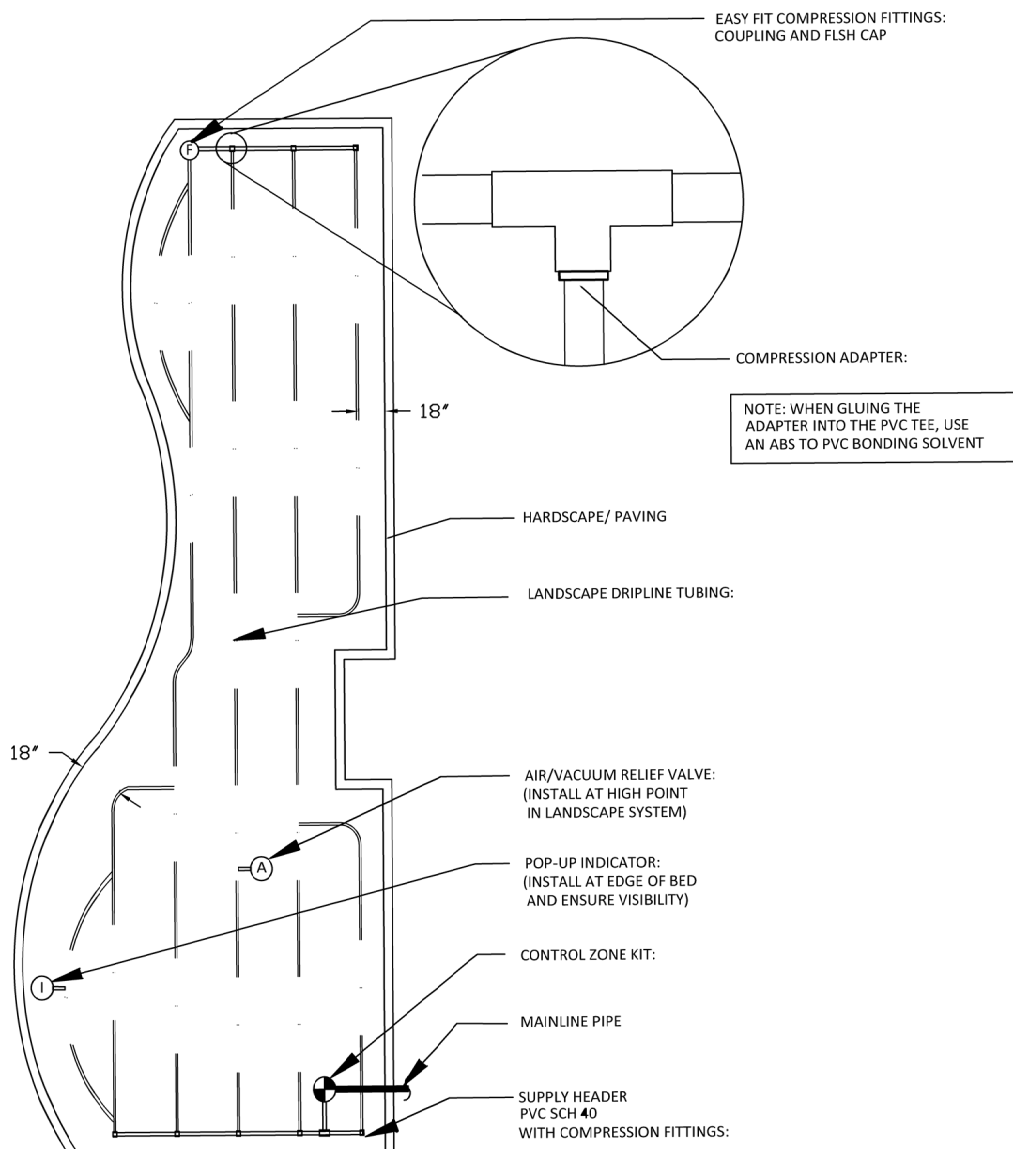
2 DOUBLE CHECK VALVE ASSEMBLY

1 1/2" = 1'-0"



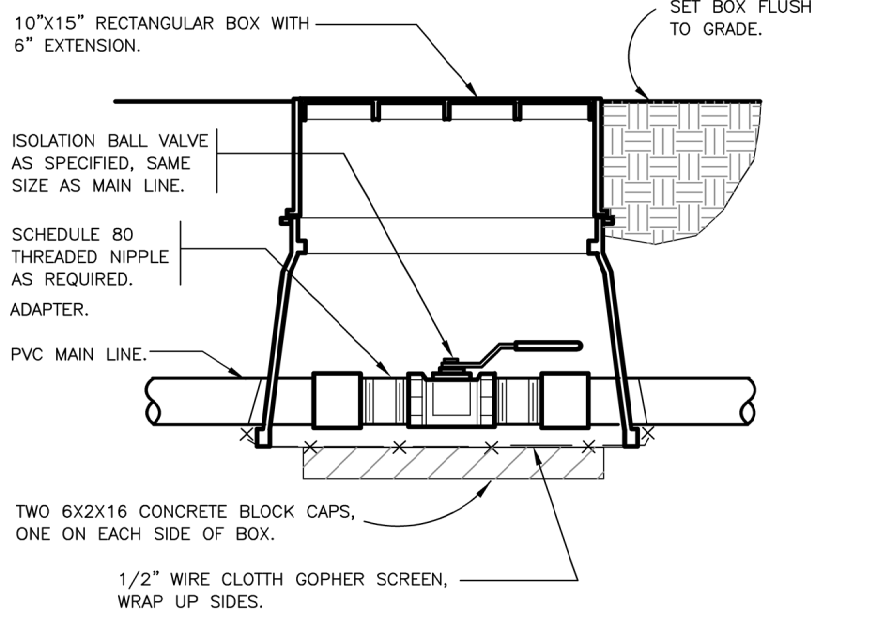
5 IRRIGATION DRIPLINE ON GRADE

NOT TO SCALE



7 DRIP ZONE LAYOUT - ODD SHAPED BEDS

NOT TO SCALE



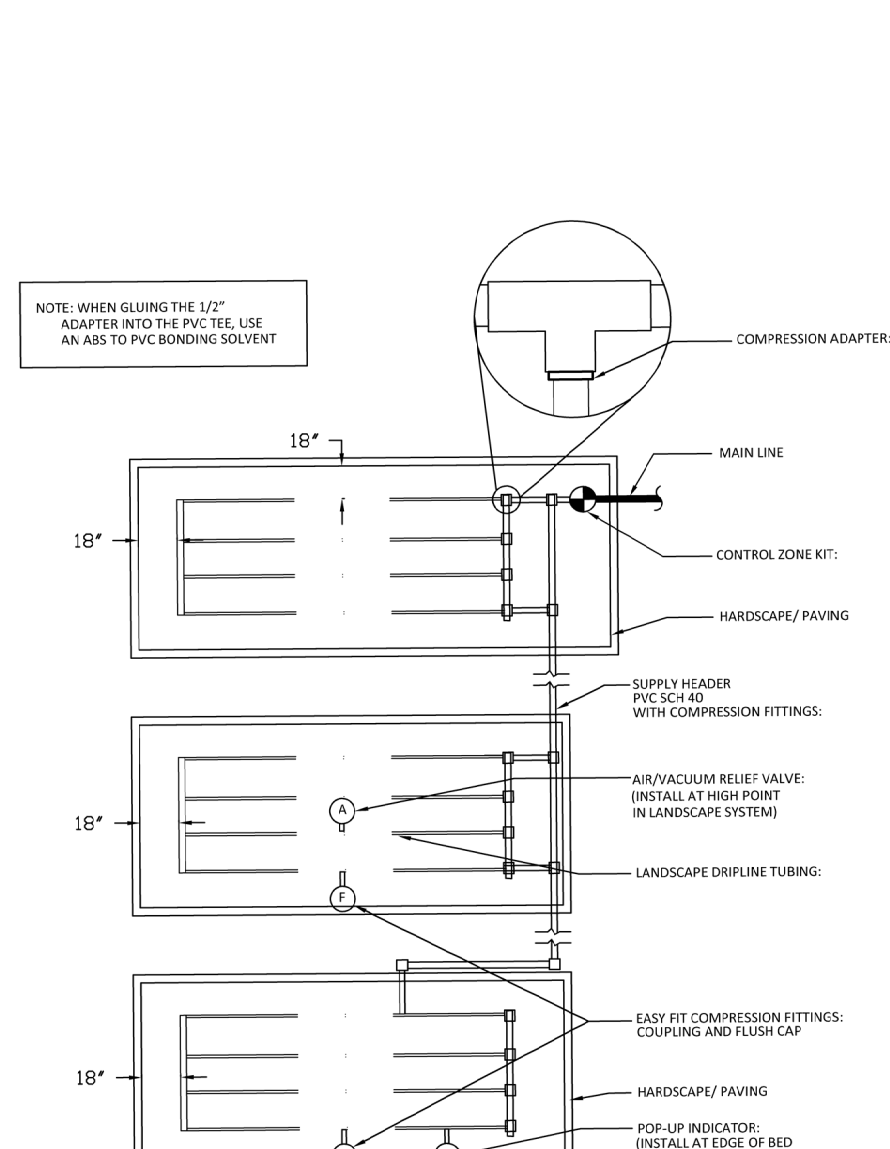
3 ISOLATION VALVE

NOT TO SCALE



5 IRRIGATION DRIPLINE ON GRADE

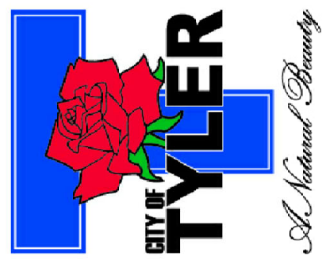
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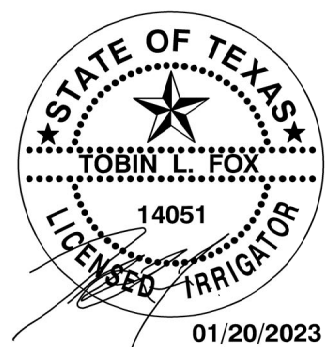
8 DRIP ZONE LAYOUT - MULTIPLE BEDS

NOT TO SCALE

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01/20/2023

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Sheet Title	IRRIGATION NOTES & DETAILS

IRRIGATION NOTES & DETAILS

L7.01  
Sheet Number



GENERAL

1. THE STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE.
- WIND LOADS:
- WIND PRESSURES IN ALL DIRECTIONS HAVE BEEN CALCULATED BASED ON A WIND SPEED OF 115 MPH.
- WIND LOADS ARE CALCULATED IN ACCORDANCE WITH ASCE 7-10 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES".
- WIND IMPORTANCE FACTOR - I= 1.0 (CATEGORY 2)  
WIND EXPOSURE CATEGORY - C
2. COMPLETE SHOP DRAWINGS FOR THE STRUCTURAL WORK SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO COMMENCEMENT OF CONSTRUCTION IN ACCORDANCE WITH THE SPECIFICATIONS. REVIEW OF SHOP DRAWINGS BY THE ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF FULL RESPONSIBILITY FOR CORRECT FABRICATION AND CONSTRUCTION OF THE WORK.
3. ANY DEVIATION FROM, ADDITION TO, SUBSTITUTION FOR, OR MODIFICATION TO THE STRUCTURE OR ANY PART OF THE STRUCTURE SHOWN ON THESE DRAWINGS SHALL BE SUBMITTED IN WRITING TO THE ENGINEER FOR REVIEW. SHOP DRAWINGS THAT ARE SUBMITTED FOR REVIEW DO NOT CONSTITUTE "IN-WRITING" UNLESS IT IS CLEARLY NOTED THAT SPECIFIC CHANGES ARE BEING SUGGESTED.
4. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ELEVATIONS NOT SHOWN AND FOR EXACT LOCATIONS AND DIMENSIONS OF ALL ARCHITECTURAL DETAILS.
5. THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS AT THE SITE AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
6. PRINCIPAL OPENINGS ARE SHOWN ON THE STRUCTURAL DRAWINGS. THE CONTRACTOR SHALL REFER TO ARCHITECTURAL, LANDSCAPE, MECHANICAL, ELECTRIC, AND PLUMBING DRAWINGS FOR SLEEVES, CURBS, INSERTS AND SIMILAR DETAILS NOT SHOWN. SIZE AND LOCATION OF ALL OPENINGS SHALL BE VERIFIED BY THE CONTRACTOR. ANY DEVIATION FROM OPENINGS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR APPROVAL PRIOR TO CONSTRUCTION.
7. THE STRUCTURAL DRAWINGS ARE NOT TO BE SCALED FOR DETERMINATION OF QUANTITIES, LENGTHS, OR FIT OF MATERIALS.
8. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHODS OF CONSTRUCTION UNLESS SO STATED OR NOTED. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE WORKMEN AND OTHER PERSONS DURING CONSTRUCTION.
9. THE CONTRACTOR SHALL PROVIDE TEMPORARY ERECTION BRACING AND SHORING OF ALL STRUCTURAL WORK AS REQUIRED FOR STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY CONDITION WHICH, IN HIS OPINION, MIGHT ENDANGER THE STABILITY OF THE STRUCTURE OR CAUSE DISTRESS IN THE STRUCTURE.
10. IF ANY INCONSISTENCIES OR DISCREPANCIES OCCUR WITHIN OR BETWEEN THE DRAWINGS AND SPECIFICATIONS, THE GREATER QUANTITY OF ITEMS SHOWN, AND THE MOST COSTLY PRODUCT OR INSTALLATION METHOD SHALL BE PROVIDED. UNLESS INSTRUCTED OTHERWISE BY THE ENGINEER, IT SHALL BE DEEMED THAT THE CONTRACTOR BID AND INTENDS TO EXECUTE THE MORE STRINGENT OR HIGHER QUALITY REQUIREMENTS WITHOUT ANY INCREASE TO THE CONTRACT SUM OR CONTRACT TIME.

EARTHWORK AND FOUNDATIONS

1. THE FOUNDATION DESIGN IS IN ACCORDANCE WITH A GEOTECHNICAL REPORT BY E TTL ENGINEERS & CONSULTANTS, INC. DATED JULY 22 ,2022 (ETTL PROJECT NUMBER G 5950-22). EXCERPTS FROM THE ABOVE REFERENCED REPORT ARE PROVIDED FOR INFORMATIONAL PURPOSES. REFER TO THE GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION REQUIREMENTS.
2. ACCESS TO THE SITE SHALL BE GRANTED FOR THE GEOTECHNICAL ENGINEER TO OBSERVE ALL GRADING OPERATIONS AND THE REQUIRED TESTING FOR IMPLEMENTING THE RECOMMENDATIONS OF THE AFOREMENTIONED GEOTECHNICAL REPORT AND THE SPECIFICATIONS. THESE TESTS AND OBSERVATIONS SHOULD INCLUDE BUT NOT NECESSARILY BE LIMITED TO THE FOLLOWING:

o OBSERVATION AND TESTING DURING SITE PREPARATION AND EARTHWORK

o CONSULTATION AS REQUIRED DURING CONSTRUCTION

o OBSERVATION OF THE PIER DRILLING OPERATION
3. LOCATE ALL UTILITIES AND UNDERGROUND SERVICES PRIOR TO FOUNDATION EXCAVATION. THE ENGINEER SHALL BE NOTIFIED IN CASE OF CONFLICT.
4. ALL PIERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACI 336.1 "STANDARD SPECIFICATION FOR THE CONSTRUCTION OF DRILLED PIERS", LATEST EDITION. THE CONTRACTOR SHALL BE FAMILIAR AND COMPETENT IN THE IMPLEMENTATION OF THEIR DOCUMENT.
5. THE CONTRACTOR SHALL ENGAGE A REGISTERED SURVEYOR TO PERFORM SURVEYS, LAYOUTS, AND MEASUREMENTS FOR PIER WORK. THIS INCLUDES LAYOUT WORK FOR EACH PIER TO LINES AND LEVELS REQUIRED BEFORE EXCAVATION, AND MEASUREMENTS OF EACH PIER'S ACTUAL FINAL LOCATION. PIERS SHALL BE CONSTRUCTED WITHIN THE FOLLOWING CENTERLINE TOLERANCES:

o MAXIMUM PERMISSIBLE VARIATION OF LOCATION: NOT MORE THAN 1".

o SHAFTS OUT OF PLUMB: NOT MORE THAN 1/2" OR 2".

o CONCRETE CUT-OFF ELEVATION : PLUS 1" TO MINUS 2".
6. THE CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL ENGINEER 24 HOURS PRIOR TO COMMENCEMENT OF DRILLING. EACH PIER EXCAVATION SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO CONCRETING.
7. CONCRETE AND REINFORCING STEEL SHALL BE PLACED IMMEDIATELY AFTER THE EXCAVATION HAS BEEN COMPLETED AND INSPECTED BY THE GEOTECHNICAL ENGINEER TO ASSURE COMPLIANCE WITH DESIGN ASSUMPTIONS AND TO VERIFY:

o THE BEARING STRATUM

o THE MINIMUM PENETRATION

o THE REMOVAL OF ALL SMEAR ZONES AND CUTTINGS

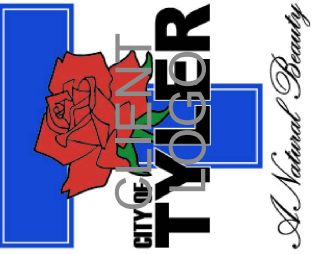
o THAT GROUNDWATER SEEPAGE IS CORRECTLY HANDLED

o THE COMPETENCE OF THE BEARING STRATUM FOR THE FULL SECTION OF THE DESIGN PENETRATION
8. PROVIDE PIER BOLSTERS AND CENTERING DEVICES FOR PIER REINFORCEMENT BY PIERSEARCH OR APPROVED EQUAL.
9. "MUSHROOMING" AT THE TOP OF THE PIERS IS PROHIBITED.
10. EXCAVATIONS FOR THE SHAFTS MUST BE MAINTAINED IN THE DRY. IT SHOULD BE ANTICIPATED THAT SEEPAGE WILL BE ENCOUNTERED DURING EXCAVATION OF THE SHAFT AND THAT CASING WILL BE REQUIRED. THE CASING SHALL BE SEATED IN THE TOP OF THE BEARING STRATUM WITH ALL SOIL, WATER AND LOOSE MATERIAL OR DETACHED ROCKS REMOVED PRIOR TO BEGINNING THE DESIGN PENETRATION. CARE MUST THEN BE TAKEN THAT A SUFFICIENT HEAD OF PLASTIC CONCRETE IS MAINTAINED WITHIN THE CASING DURING EXTRACTION.
11. PIER EXCAVATIONS SHALL BE DRY AND FREE OF SOIL AND DELETERIOUS MATERIALS PRIOR TO CONCRETE PLACEMENT. THE PENETRATION OF INDIVIDUAL SHAFTS SHALL BE EXCAVATED IN A CONTINUOUS OPERATION AND CONCRETE PLACED AS SOON AS PRACTICAL AFTER COMPLETION OF THE DRILLING IN ORDER TO PREVENT DETERIORATION OF BEARING SURFACES AND TO REDUCE THE POSSIBILITY OF SEEPAGE PROBLEMS. NO SHAFT SHALL BE LEFT OPEN FOR MORE THAN 8 HOURS.

STRUCTURAL STEEL

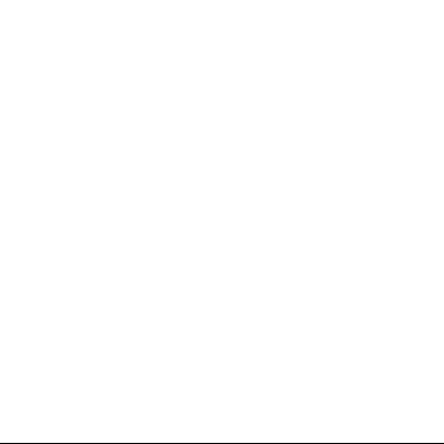
1. STRUCTURAL STEEL SHALL BE NEW STEEL AND SHALL CONFORM TO THE AISC MANUAL OF STEEL CONSTRUCTION LRFD 15TH EDITION.
2. ANCHOR RODS SHALL BE IN ACCORDANCE WITH ASTM F1554. ANCHOR RODS SHALL BE HEADED, NOT HOOKED.
3. ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIP GALVANIZED. ANGLES, ANCHOR BOLTS, NUTS AND WASHERS SHALL BE HOT-DIP GALVANIZED UNLESS PAINTING OF ELEMENT IS INDICATED ON ARCHITECTURAL DRAWINGS DAMAGED FINISHES SHALL BE CORRECTED IN THE FIELD.
4. WELDED CONSTRUCTION SHALL CONFORM TO THE AWS D-1.1 "STRUCTURAL WELDING CODE." WELDING PROCESSES AND OPERATOR SHALL BE QUALIFIED IN ACCORDANCE WITH AWS STANDARD QUALIFICATION PROCEDURE. ELECTRODES FOR FIELD AND SHOP WELDS SHALL BE E70XX. UNLESS NOTED OTHERWISE. ALL WELDS SHALL BE INSPECTED PER AWS STANDARDS. DEFICIENCIES SHALL BE CORRECTED.
5. WELDS AT ARCHITECTURALLY EXPOSED STEEL SHALL BE GROUND SMOOTH.
6. W-SHAPES SHALL BE ASTM A992 WITH A MINIMUM YIELD STRENGTH (Fy) OF 50 KSI.
7. ANGLES AND PLATES SHALL ABE IN ACCORDANCE WITH ASTM A36.
8. HOLLOW STRUCTURAL SECTIONS SHALL CONFORM TO ASTM A500 GR B OR ASTM A1085.
9. STEEL PIPE SHALL CONFORM TO ASTM A53 GR B OR ASTM A1085.
10. ALL STEEL BEAMS SHALL BE ERECTED WITH NATURAL CAMBER UP.
11. HEADED ANCHORS SHALL CONFORM TO AWS D-1.1, TYPE B.
12. ALL STRUCTURAL STEEL CONNECTIONS AND DETAILS SHALL CONFORM TO THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", LATEST EDITION.
13. ALL CONNECTIONS NOT FULLY DETAILED ON DRAWINGS SHALL BE DESIGNED BY THE FABRICATOR. CONNECTION DESIGNS SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF THE AISC MANUAL, 15TH EDITION. CONNECTIONS SHALL BE DESIGNED FOR THE FACTORED LOADS SHOWN ON THE DRAWINGS. WHERE DESIGN LOADS ARE NOT SHOWN, THE CONNECTION SHALL BE DESIGNED FOR ONE-HALF OF THE TOTAL UNIFORM LOAD TABULATED IN THE FACTORED UNIFORM LOAD TABLES: IN PART 3 OF THE AISC MANUAL FOR THE GIVEN BEAM, SPAN, AND GRADE OF STEEL SPECIFIED. EACH CONNECTION SHALL BE SHOWN IN DETAIL ON THE SHOP DRAWINGS AND SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW.
14. BOLTED CONNECTIONS FOR PRIMARY MEMBERS SHALL CONFORM TO THE REQUIREMENTS OF THE RCSC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS", LATEST EDITION. UNLESS NOTED OTHERWISE, ALL PRIMARY CONNECTIONS WITH HIGH STRENGTH BOLTS SHALL USE ASTM A325 BOLTS AND HEAVY HEX NUTS TIGHTENED TO THE SNUG-TIGHT CONDITION.
15. STEEL MEMBERS SHALL NOT BE SPLICED EXCEPT WHERE SHOWN ON THE DRAWINGS.

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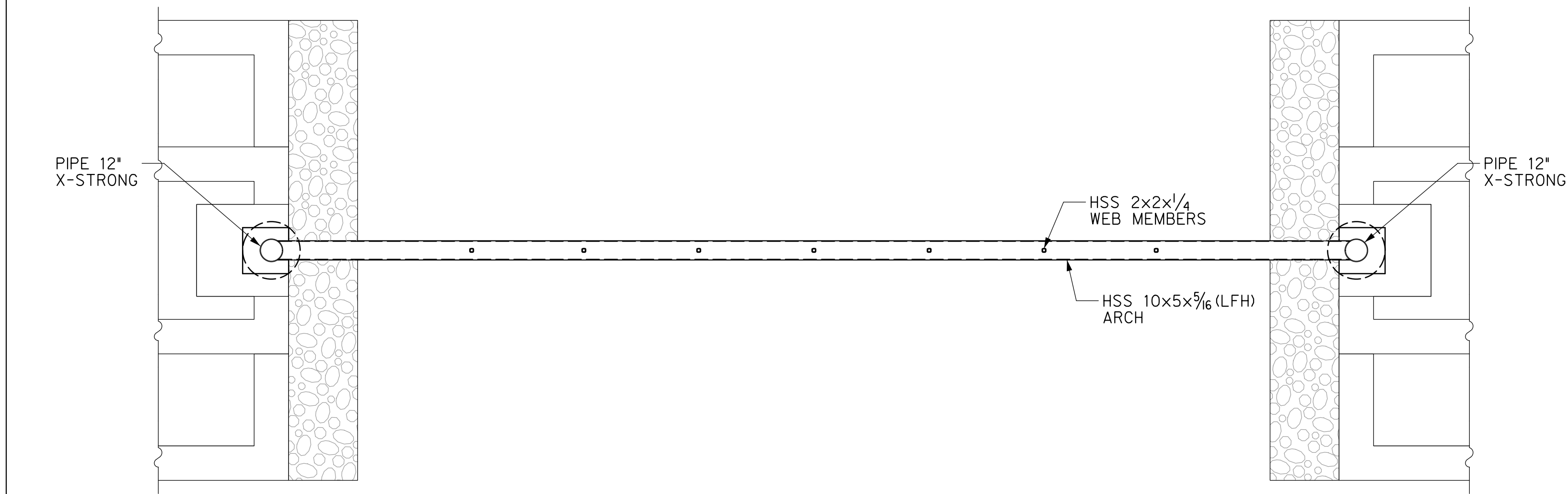


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Checked By:	PJR
Scale:	AS SHOWN

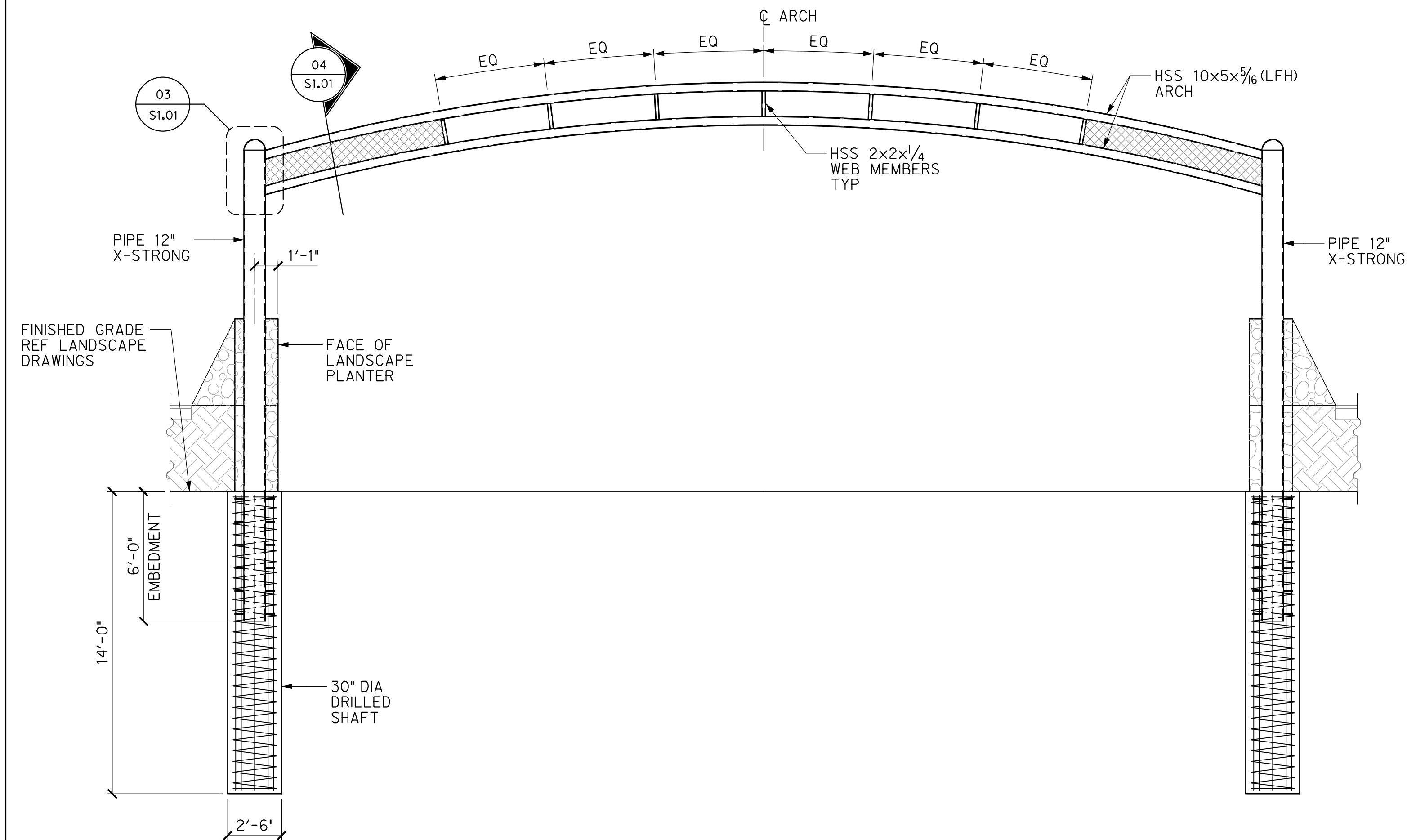
Sheet Title  
  
GENERAL NOTES

S1.00  
Sheet Number

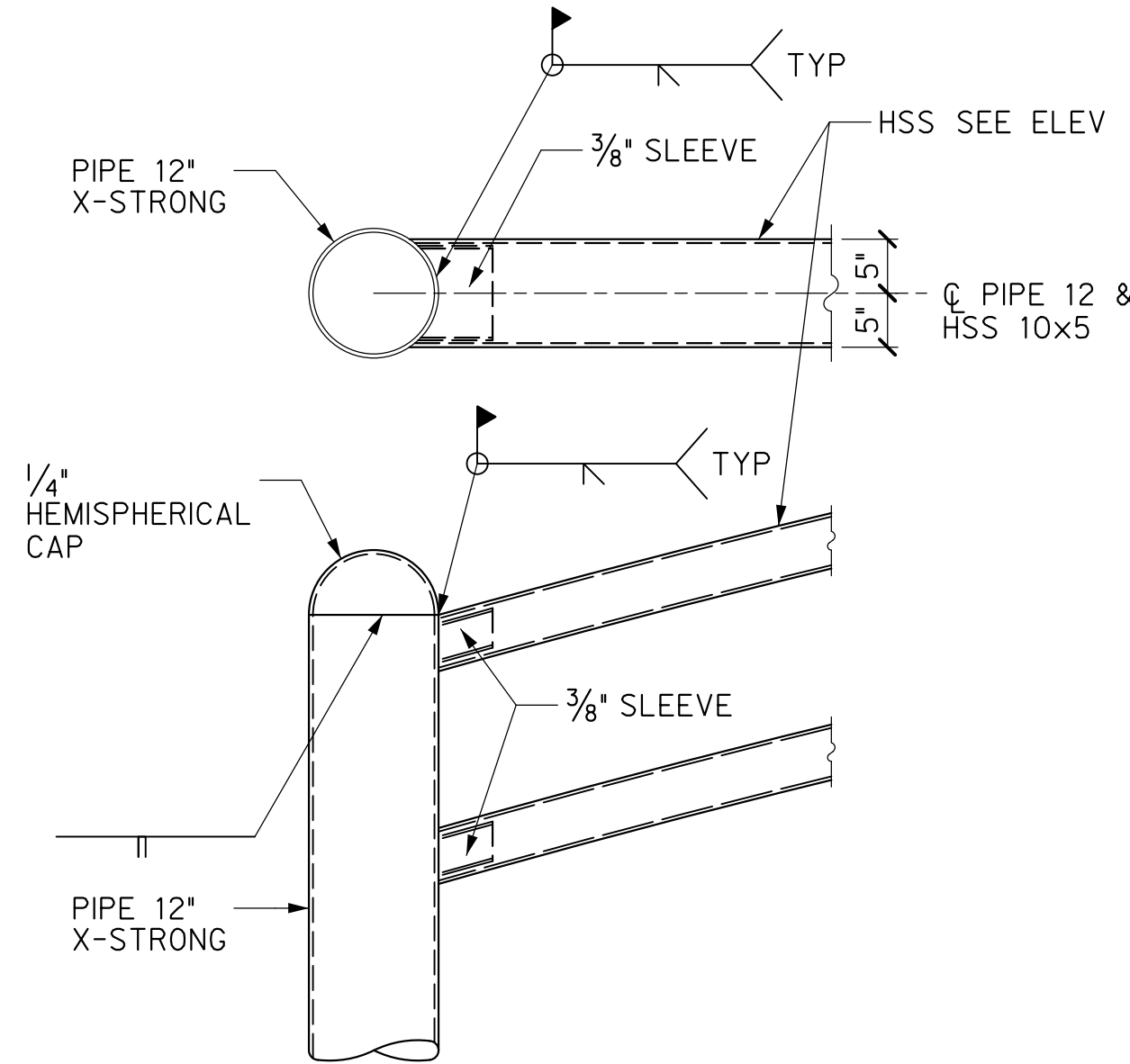




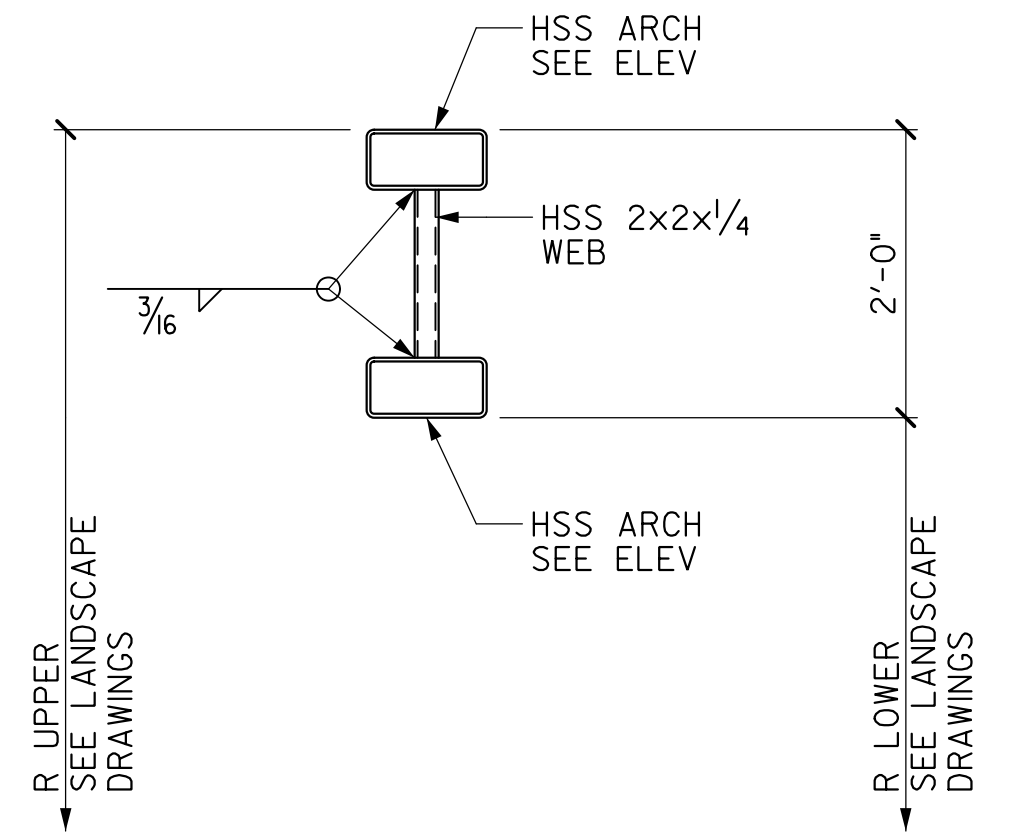
01  
S1.01 GATEWAY PLAN  
SCALE = 1/4" = 1'-0"



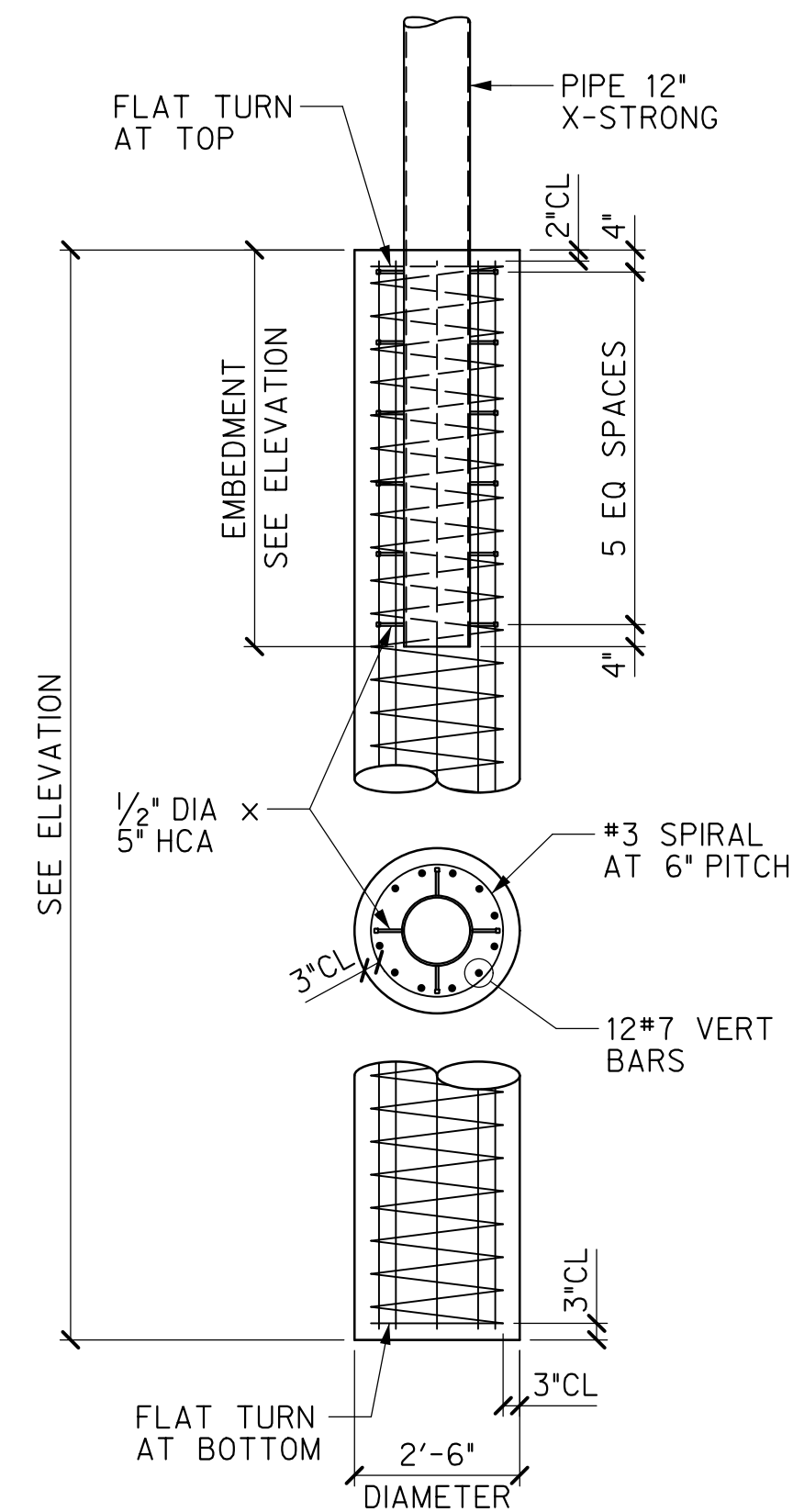
02  
S1.01 REFER TO THE LANDSCAPE DRAWINGS FOR GEOMETRY.  
GATEWAY ELEVATION  
SCALE = 1/4" = 1'-0"



03  
S1.01 DETAIL  
SCALE = 3/4" = 1'-0"

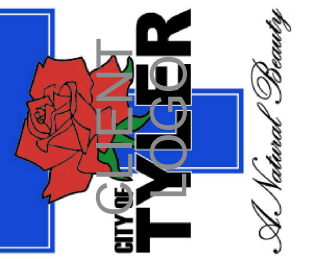


04  
S1.01 SECTION  
SCALE = 3/4" = 1'-0"



05  
S1.01 PIER DETAIL  
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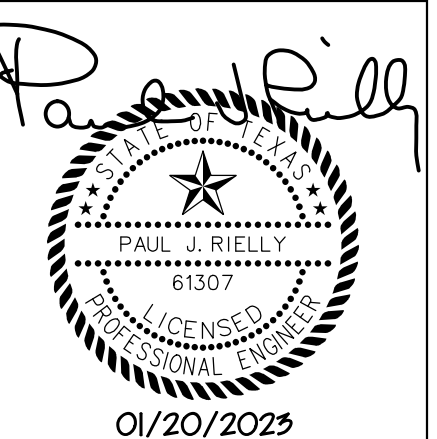
LINDSEY PARK  
GCAA IMPROVEMENTS  
CONSTRUCTION DOCUMENTS  
TYLER, TX



**HALFF**

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Revision No.	Date	Description



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SITE IMPROVEMENT  
PLAN AND ELEVATION

S1.01

Sheet Number