

## **ADDENDUM NO: 001**

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**TO: ALL PLANHOLDERS**

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**FROM: PARKHILL**

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**PROJECT NAME: ARLINGTON GATEWAY MONUMENT**

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**PROJECT NO.: 1256.18**

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**DATE: 07/15/2022**

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Attention of all Prospective Proposers/Plan Holders is directed to the following modifications to the referenced Drawings and Project Manual. This Addendum becomes a part of the Contract Documents and modifies the original Bid Set dated May 4, 2022 as noted below:

This Addendum consists of 6 page(s) and the attached drawing(s) no(s). Sheet 1, Sheet 4, Sheet 5, Sheet 16, Sheet 18, and Sheet 20.

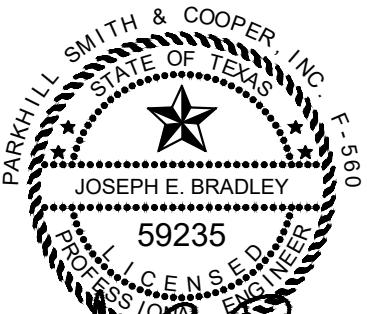
### I. CHANGES TO PROJECT MANUAL:

1. [NONE]

### II. CHANGES TO DRAWINGS

1. Sheet 1 – PROJECT AND CONSTRUCTION LAYOUT PLAN
  - a. Refer to revised sheet as attached to this addendum.
    - 1) Approximate TXDOT Fiber location added to plans per IH 30 TMS SYSTEM LAYOUT – dated 10/30/15.
    - 2) Keynote 22 added – “APPROXIMATE LOCATION OF TXDOT FIBER. CONTRACTOR TO FIELD VERIFY LOCATION AND DEPTH PRIOR TO CONSTRUCTION”
    - 3) Keynote 23 added – “APPROXIMATE LOCATION OF TXDOT AS GROUND BOX”
2. Sheet 4 – EXISTING UTILITIES, EROSION CONTROL, & GRADING PLAN
  - a. Refer to revised sheet as attached to this addendum.
    - 1) Approximate TXDOT Fiber location added to plans per IH 30 TMS SYSTEM LAYOUT – dated 10/30/15.
    - 2) Keynote 21 added – “APPROXIMATE LOCATION OF TXDOT FIBER. CONTRACTOR TO FIELD VERIFY LOCATION AND DEPTH PRIOR TO CONSTRUCTION”
    - 3) Keynote 22 added – “APPROXIMATE LOCATION OF TXDOT AS GROUND BOX”
3. Sheet 5 – PLANTING PLAN
  - a. Refer to revised sheet as attached to this addendum.
    - 1) Approximate TXDOT Fiber location added to plans per IH 30 TMS SYSTEM LAYOUT – dated 10/30/15.
    - 2) Keynote 17 added – “APPROXIMATE LOCATION OF TXDOT FIBER. CONTRACTOR TO FIELD VERIFY LOCATION AND DEPTH PRIOR TO CONSTRUCTION”
    - 3) Keynote 18 added – “APPROXIMATE LOCATION OF TXDOT AS GROUND BOX”
4. Sheet 16 – ELECTRICAL SITE PLAN AND ONE-LINE
  - a. Refer to revised sheet as attached to this addendum.
    - 1) Refer to attached narrative of changes provided by Yaggi Engineering.
5. Sheet 18 – ELECTRICAL DETAILS

- a. Refer to revised sheet as attached to this addendum.
  - 1) Refer to attached narrative of changes provided by Yaggi Engineering.
- 6. Sheet 20 – IRRIGATION PLAN
  - a. Refer to revised sheet as attached to this addendum.
    - 1) Approximate TXDOT Fiber location added to plans per IH 30 TMS SYSTEM LAYOUT – dated 10/30/15.
    - 2) Keynote 17 added – “APPROXIMATE LOCATION OF TXDOT FIBER. CONTRACTOR TO FIELD VERIFY LOCATION AND DEPTH PRIOR TO CONSTRUCTION”
    - 3) Keynote 18 added – “APPROXIMATE LOCATION OF TXDOT AS GROUND BOX”



Professional Engineer Seal for Joseph E. Bradley, License No. 59235, State of Texas. The seal includes the text: PARKHILL SMITH & COOPER, INC. F-560, STATE OF TEXAS, JOSEPH E. BRADLEY, 59235, LICENSED PROFESSIONAL ENGINEER.

*Joseph E. Bradley*  
07/15/2022



Registered Landscape Architect Seal for Victor W. Baxter, License No. 686, State of Texas. The seal includes the text: REGISTERED LANDSCAPE ARCHITECT, VICTOR W. BAXTER, STATE OF TEXAS, 686.

*Victor W. Baxter*  
07/15/2022

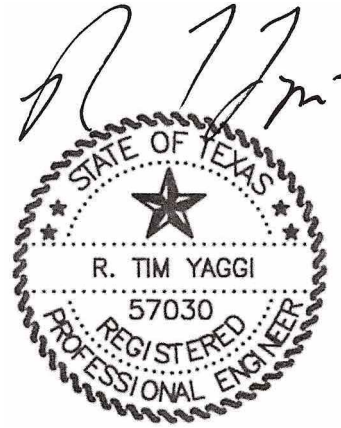


Licensed Irrigator Seal for Landon G. Bell, License No. 22353, State of Texas. The seal includes the text: STATE OF TEXAS, LANDON G. BELL, 22353, LICENSED IRRIGATOR.

*Landon G. Bell*  
07/15/2022

**ARLINGTON GATEWAY MONUMENT  
HWY 360 & E LAMAR BLVD.  
ARLINGTON, TEXAS**

**YAGGI ENGINEERING, INC.**  
5840 I-20 West, Suite 270  
Arlington, Texas 76017  
817-483-2373  
www.yaggiengineering.com  
Texas Registration No. F-9622  
YE Project No. 2105.00



07-15-2022

**ELECTRICAL ADDENDUM ITEMS**

ITEM 1: SHEET 18: Delete and substitute revised drawing, dated 07/15/2022, attached and included as a part of this addendum.

A. Remove touchscreen from scope of work.

ITEM 2: SHEET 16: Delete and substitute revised drawing, dated 07/15/2022, attached and included as a part of this addendum.

A. Add existing TXDOT underground fiber optic cable to Site Plan.

END OF ADDENDUM

FILE NAME: B:\2018\1256.1803\_DSGN01\_LAND\03\_SHEETS\PROJECT AND CONSTRUCTION LAYOUT PLAN.dwg LAYOUT NAME: PROJECT AND CONSTRUCTION LAYOUT PLAN PRINTED: Thursday, July 14, 2022 - 5:36pm USER: BPlatts

CONTROL POINTS				
	DESCRIPTION	NORTHING	EASTING	ELEVATION
CP1	TXDOT BRASS MON 2200005	6967629.4800	2409741.0500	527.7100
CP2	1/2" IRON ROD WITH PLASTIC CAP "PSC CONTROL"	6963424.4600	2409917.5600	535.3600
CP3	1/2" IRON ROD WITH PLASTIC CAP "PSC CONTROL"	6963600.6900	2409931.4000	532.5200
CP4	1/2" IRON ROD WITH PLASTIC CAP "PSC CONTROL"	6963357.2600	2409714.0600	518.8300
CP5	NGS MON H1516 1994	6967475.6800	2410311.5800	548.3000
CP6	"X" CUT IN CONCRETE	6963572.9300	2409815.5200	522.4900
CP7	"X" CUT IN CONCRETE	6963441.5500	2409806.4000	519.9600

\*\*SURVEY & CONTROL POINTS USE 1983 (NAD'83), TEXAS NORTH CENTRAL ZONE 4202. ELEVATIONS ARE BASED ON NAVD'88\*\*

### CONSTRUCTION NOTES

#### CONSTRUCTION LAYOUT AND GRADES

THE CONTRACTOR SHALL ENGAGE A LICENSED TEXAS SURVEYOR TO LOCATE AND ESTABLISH THE BENCH MARK, BASE LINES, ITEMS TO BE CONSTRUCTED, AND FINISHED GRADES.

#### CONCRETE FORMWORK AND REINFORCEMENT

THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE A MINIMUM OF 48 HOURS PRIOR TO THE PLANNED PLACEMENT OF CONCRETE. THE OWNER'S REPRESENTATIVE MUST HAVE OBSERVED AND APPROVED THE FORMWORK AND REINFORCEMENT PRIOR TO ANY PLACEMENT OF CONCRETE

#### CONCRETE FINISH AND SAW JOINTS

THE CONCRETE SURFACE FINISHES SHALL BE AS APPROVED BY THE OWNER'S REPRESENTATIVE. ANY CONCRETE PLACED WITH AN IMPROPER FINISH SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE. ALL SAW JOINTS SHALL BE SAWN WITHIN 24 HOURS OF CONCRETE PLACEMENT. ANY CONCRETE SAWN LATER THAN THIS WHICH, IN THE OPINION OF THE OWNER'S REPRESENTATIVE, HAS EXCESSIVE SHRINKAGE CRACKS DUE TO NOT HAVING BEEN SAWN SOON ENOUGH, SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

#### ALIGNMENT AND TANGENCY OF PAVEMENTS

THE EDGES OF ALL FINISHED PAVING SHALL BE STRAIGHT OR SMOOTH CURVES (AS DELINEATED ON THE PLANS) WITH NO INTERRUPTION SUCH AS CHORDS, WAVES, JOGS, OR MISSED TANGENTS. PAVEMENTS WITH SUCH INTERRUPTIONS SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

#### CITY STANDARDS

ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY OF ARLINGTON, TEXAS' STANDARD SPECIFICATIONS, AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, NORTH CENTRAL TEXAS, AS PREPARED BY N.C.T.C.O.G.

#### DIMENSIONS

DIMENSIONS ARE TO BACKS OF CURBS, TO CENTERLINES OF FENCES, OR TO EDGES OF PAVEMENTS, UNLESS OTHERWISE INDICATED. WRITTEN AND NUMBERED DIMENSIONS HOLD PRECEDENCE OVER SCALED DIMENSIONS.

#### ADJUSTMENTS

IF THE CONTRACTOR BELIEVES IT IS NECESSARY TO MAKE AN ADJUSTMENT IN THE LAYOUT OR GRADE OF PROPOSED IMPROVEMENTS, SUCH AN ADJUSTMENT SHALL BE PROPOSED TO THE OWNER'S REPRESENTATIVE. NO ADJUSTMENT WILL BE PERMITTED UNTIL IT HAS FIRST BEEN APPROVED BY THE OWNER'S REPRESENTATIVE AND TXDOT.

#### TURFGRASS PLANTING

TURFGRASS SHALL BE PLANTED AND ESTABLISHED, AS SPECIFIED, OVER ANY AREAS DISTURBED BY CONSTRUCTION. THE GRASS LIMITS LINES SHOWN ARE NOT ABSOLUTE. TURFGRASS PLANTING SHALL TAKE PLACE BEYOND THE LIMITS IF THE AREA IS DISTURBED.

#### EXISTING UTILITIES

CONTRACTOR MUST VERIFY LOCATION OF ALL OVERHEAD AND UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH CITY OFFICIALS AND UTILITY COMPANIES IN LOCATING UTILITIES. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR LOSSES DUE TO DAMAGE TO UTILITIES. LOCATION FOR ALL UTILITIES SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL CALL TEXAS 811, 1-800-344-8377.

### KEY NOTES

AS INDICATED BY: (01)

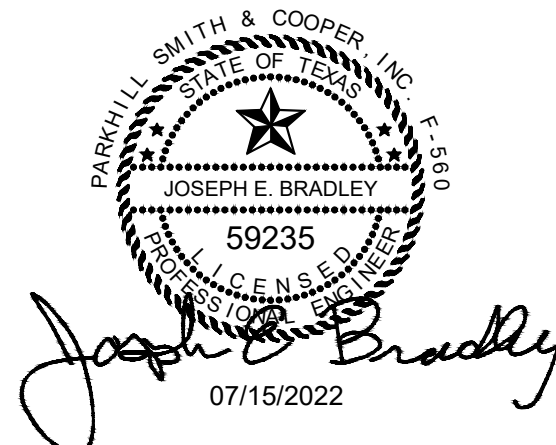
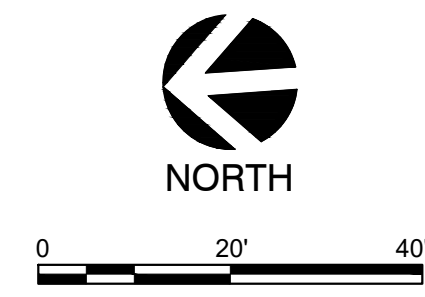
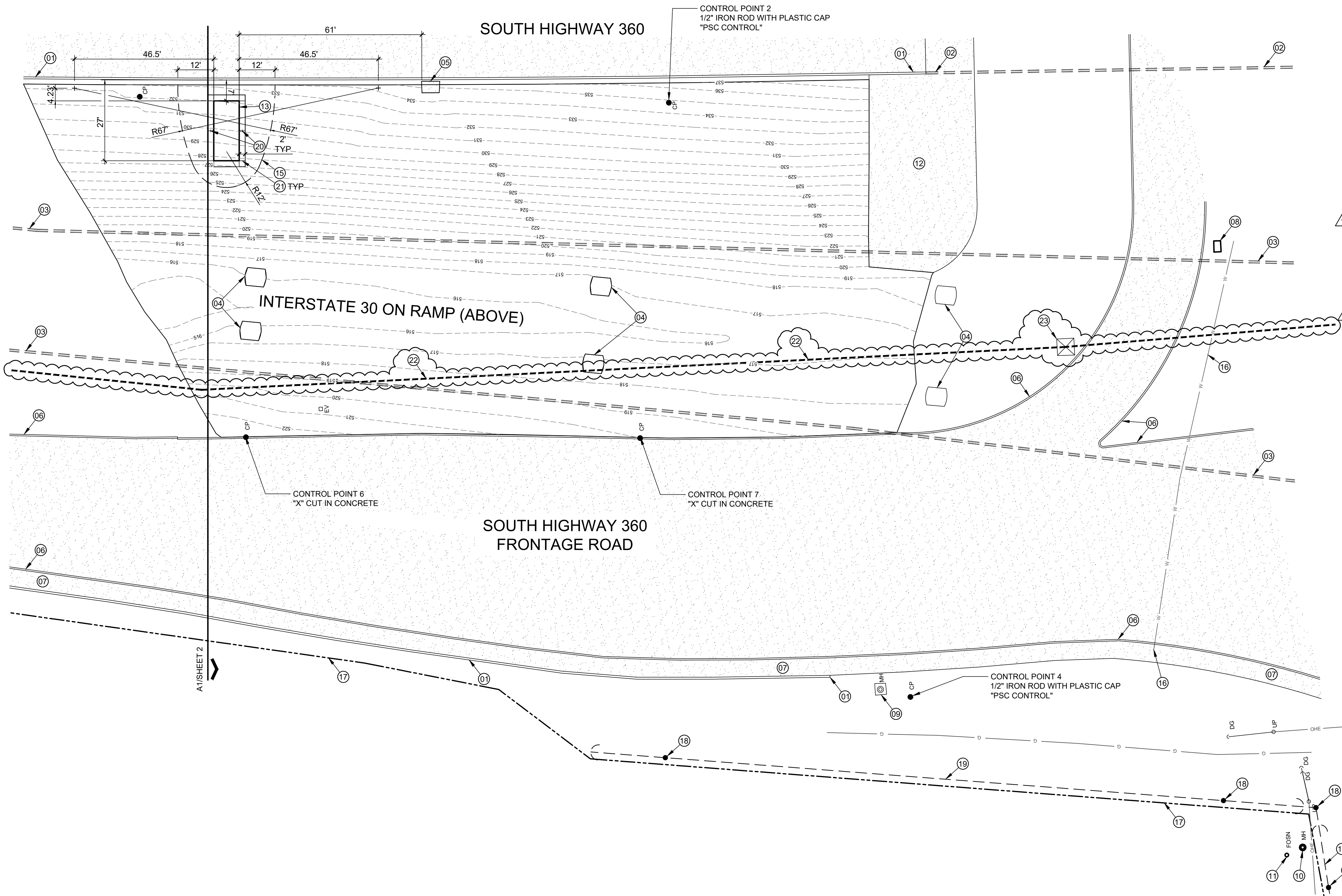
- EXISTING 3'-0" CONCRETE TRAFFIC RAIL AT GRADE.
- EXISTING 3'-0" CONCRETE TRAFFIC RAIL AT BRIDGE DECK.
- EXISTING 3'-0" CONCRETE TRAFFIC RAIL AT I-30 ON RAMP.
- EXISTING COLUMN AT I-30 ON RAMP.
- EXISTING OVERHEAD SIGN COLUMN.
- EXISTING ROAD CURB, TYP.
- EXISTING SIDEWALK.
- EXISTING UNDERGROUND FIBER VAULT.
- EXISTING STORM WATER MANHOLE.
- EXISTING AT&T MANHOLE
- EXISTING SIGN (AT&T UNDERGROUND FIBER OPTIC).
- EXISTING CONCRETE BRIDGE APRON.
- MONUMENT SIGN, REF. ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- 24" CONCRETE MAINTENANCE STRIP, REF. A1/SHEET 6.
- LANDSCAPE EDGE, REF. D1/SHEET 6.
- EXISTING WATER LINE.
- APPROXIMATE ROW LINE PER CORNERSTONE SURVEYING DRAWING PDF DATED 01-07-2022.
- APPROXIMATE LOCATION OF PROPOSED ONCOR POLE.
- APPROXIMATE LOCATION OF PROPOSED ONCOR OVERHEAD CONDUCTOR.
- DOWELED EXPANSION JOINT, REF. A2/SHEET 6
- TOOLED CONTRACTION JOINT, REF. A2/SHEET 6
- APPROXIMATE LOCATION OF TXDOT FIBER. CONTRACTOR TO FIELD VERIFY LOCATION AND DEPTH PRIOR TO CONSTRUCTION.
- APPROXIMATE LOCATION OF TXDOT AS GROUND BOX.

### LEGEND

- EXISTING VEHICULAR CONCRETE PAVING
- Borehole
- Control Point
- Down Guy
- Electric Vault
- Storm Sewer Manhole
- Fiber Optic Line Sign
- Fiber Optic Manhole
- Utility Pole
- Bridge
- Curb
- Edge of Concrete
- Gas Line
- Overhead Electrical Line
- Traffic Barrier
- Water Line
- Existing Contour
- Landscape Edge, Ref. D1/SHEET 6
- Doweled Expansion Joint, Ref. A2/SHEET 6
- Tooled Contraction Joint, Ref. A2/SHEET 6
- Approximate Location of TXDOT Fiber. Contractor to field verify location and depth prior to construction.

**NOTE**  
CONTRACTOR AND CITY OF ARLINGTON TO COORDINATE A TRAFFIC CONTROL PLAN/TEMPORARY CONSTRUCTION ACCESS WITH TXDOT PRIOR TO MOBILIZING ON SITE.

**NOTE**  
CITY TO SUBMIT BORING PLAN TO TXDOT PRIOR TO/DURING BID PHASE



## Arlington Gateway Monument State Hwy 360, Southbound



**CLIENT**  
City of Arlington  
Department of Public Works  
101 W Abram St  
Arlington, TX 76011

**PROJECT NO.**  
1256.18

1	07/15/2022	Addendum 01
-	05/04/2022	Bid Set
#	DATE	DESCRIPTION

## Project and Construction Layout Plan

FILE NAME: B:\2018\1256.1803\_DSGN01\_DWG\060\_LAND\03\_SHEETS\4\_EXISTING UTILITIES EROS GRADING PLAN.dwg LAYOUT NAME: 4 EXIST UT\_EROS CONT\_GRADING PRINTED: Thursday, July 14, 2022 - 5:35pm USER: BProtts

### EXAMINATION OF SITE OF WORK

BEFORE SUBMITTING A BID, EACH BIDDER SHALL CAREFULLY EXAMINE THE SITE OF WORK. EACH BIDDER SHALL INFORM HIMSELF PRIOR TO BIDDING AS TO THE EXISTING CONDITIONS AND LIMITATIONS UNDER WHICH THE WORK IS TO BE PERFORMED, AND SHALL INCLUDE IN HIS BID A SUM TO COVER ALL COSTS OF ALL ITEMS NECESSARY TO PERFORM THE WORK AS SET FORTH IN THE CONTRACT DOCUMENTS. NO ALLOWANCE WILL BE MADE TO ANY BIDDER BECAUSE OF LACK OF SUCH EXAMINATION OR KNOWLEDGE. THE SUBMISSION OF A BID SHALL BE CONSTRUED AS CONCLUSIVE EVIDENCE THAT THE BIDDER IS SUFFICIENTLY FAMILIAR WITH ALL RELEVANT CONDITIONS.

#### EXISTING UTILITIES

CONTRACTOR MUST VERIFY LOCATION OF ALL OVERHEAD AND UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH CITY OFFICIALS AND UTILITY COMPANIES IN LOCATING UTILITIES. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR LOSSES DUE TO DAMAGE TO UTILITIES. LOCATION FOR ALL UTILITIES SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL CALL TEXAS 811, 1-800-344-8377.

### EXISTING UTILITIES

CONTRACTOR MUST VERIFY LOCATION OF ALL OVERHEAD AND UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH CITY OFFICIALS AND UTILITY COMPANIES IN LOCATING UTILITIES. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR LOSSES DUE TO DAMAGE TO UTILITIES. LOCATION FOR ALL UTILITIES SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL CALL DIG TESS: (800) 344-8377. TO LOCATE CITY WATER AND SEWER LINES CALL CITY OF ARLINGTON WATER DISPATCH (817) 459-5900

### GRADING NOTES

- SEE PROJECT MANUAL FOR EXPERTISE AND EXPERIENCE REQUIRED OF CONTRACTOR.
- SEE SPECIFICATIONS FOR REQUIREMENTS RELATED TO: CLEARING AND GRUBBING; EARTHWORK; TOPSOIL STRIPPING, STOCKPILING AND REPLACEMENT, AND FINE GRADING (BLUE TOP) OPERATIONS.
- CONTRACTOR SHALL HAUL OFF AND DISPOSE OF ALL EXCESS CUT MATERIAL IN A LEGAL MANNER.
- ALL EXCESS MATERIAL FROM EXCAVATION AND DRILLED SHAFTS SHALL BE HAULED OFF AND DISPOSED OF AS A PART OF THE COST OF EARTHWORK.

### NOTES

- THE CONTRACTOR SHALL NOT ASSUME THAT UTILITIES ARE PRECISELY LOCATED. UTILITIES ARE SHOWN TO HELP MAKE THE CONTRACTOR AWARE OF THEIR EXISTENCE. THIS MEASURE IS TAKEN TO HELP PROTECT THE INVESTMENTS AND SERVICES OF THE OWNERS OF THE UTILITIES AND THEIR CUSTOMERS. CONTRACTOR SHALL CALL DIG TESS FOR HELP IN LOCATING UTILITIES.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE AND VERIFY THE EXACT LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO PROCEEDING WITH CONSTRUCTION. THE CONTRACTOR SHALL ASCERTAIN WHETHER ANY ADDITIONAL UTILITIES OR FACILITIES, OTHER THAN THOSE SHOWN ON THE PLANS, MAY BE PRESENT ON THE SITE OF THE WORK.
- PRIOR TO PROCEEDING WITH CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE OWNER OR A/E IF CONFLICTS OR POTENTIAL CONFLICTS OCCUR BETWEEN EXISTING UTILITIES AND THE PROPOSED CONSTRUCTION.
- PRIOR TO PROCEEDING WITH CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE THE AFFECTED PARTS OF THE UTILITIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PRESERVE AND PROTECT ALL UTILITIES.
- THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE UTILITY OWNER AND MAKE RESTITUTION FOR ANY UTILITY THAT IS DAMAGED BY THE CONTRACTOR IN THE COURSE OF THE WORK.
- THE EARTHWORK FOR THIS PROJECT IS A NECESSARY AND INCIDENTAL PART OF THE WORK. THE TOTAL COST SHALL BE INCLUDED IN THE BID PROPOSAL AS A LUMP SUM. PAYMENT WILL NOT BE MADE ON A UNIT PRICE BASIS OR BY ANY OTHER SEPARATE MEASURED PAYMENT METHOD.

### KEY NOTES

- AS INDICATED BY: (06)
- EXISTING 3'-0" CONCRETE TRAFFIC RAIL AT GRADE.
  - EXISTING 3'-0" CONCRETE TRAFFIC RAIL AT BRIDGE DECK.
  - EXISTING 3'-0" CONCRETE TRAFFIC RAIL AT I-30 ON RAMP.
  - EXISTING COLUMN AT I-30 ON RAMP.
  - EXISTING OVERHEAD SIGN COLUMN.
  - EXISTING ROAD CURB, TYP.
  - EXISTING SIDEWALK.
  - EXISTING UNDERGROUND FIBER VAULT.
  - EXISTING STORM WATER MANHOLE.
  - EXISTING AT&T MANHOLE.
  - EXISTING SIGN (AT&T UNDERGROUND FIBER OPTIC).
  - EXISTING CONCRETE BRIDGE APRON.
  - SEDIMENT CONTROL FENCE PER TXDOT STANDARD EC(1)-16
  - TEMPORARY ROCK FILTER DAM PER TXDOT STANDARD EC(2)-16
  - TEMPORARY CONSTRUCTION EXIT TYPE 1 PER TXDOT STANDARD EC(3)-16
  - CONSTRUCTION ENTRY SIGNAGE.
  - EXISTING WATER LINE.
  - APPROXIMATE LOCATION OF PROPOSED ONCOR POLE.
  - APPROXIMATE LOCATION OF PROPOSED OVERHEAD CONDUCTOR.
  - APPROXIMATE ROW LINE PER CORNERSTONE SURVEYING DRAWING PDF DATED 01-07-2022
  - APPROXIMATE LOCATION OF TXDOT FIBER. CONTRACTOR TO FIELD VERIFY LOCATION AND DEPTH PRIOR TO CONSTRUCTION.
  - APPROXIMATE LOCATION OF TXDOT AS GROUND BOX.

### LEGEND

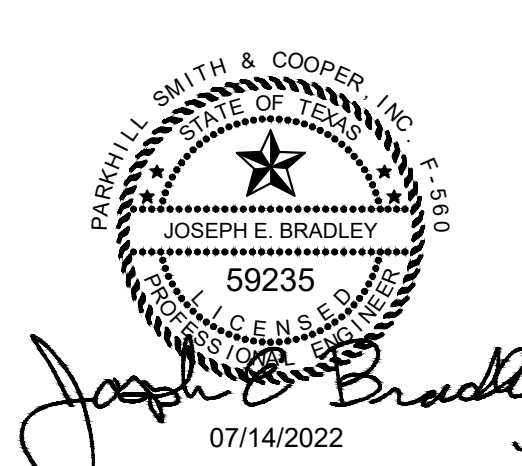
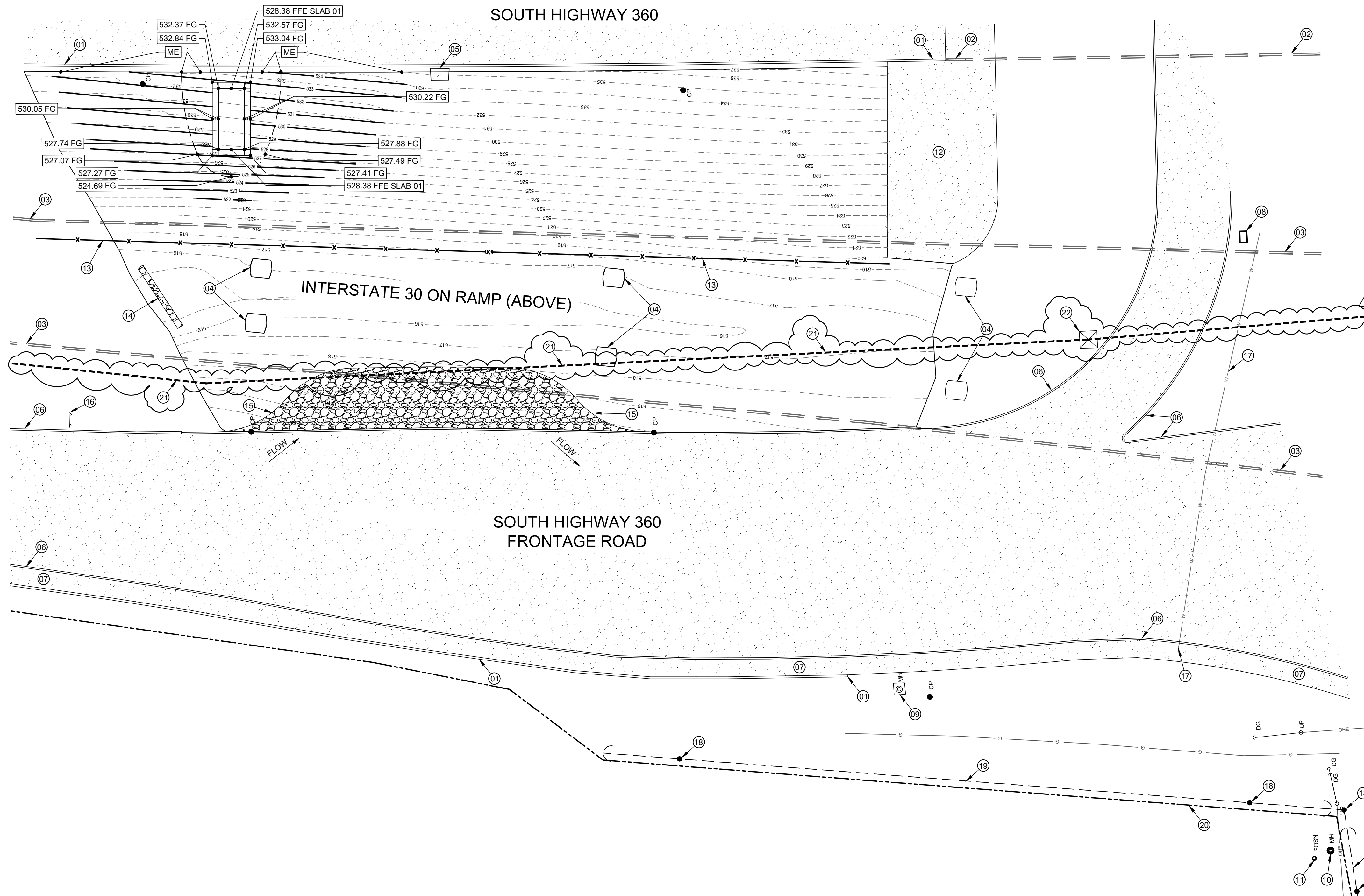
- |  |   |
|--|---|
|  | EXISTING VEHICULAR CONCRETE PAVING  |
|  | BOREHOLE  |
|  | CONTROL POINT   |
|  | DOWN GUY  |
|  | ELECTRIC VAULT  |
|  | STORM SEWER MANHOLE   |
|  | FIBER OPTIC LINE SIGN   |
|  | FIBER OPTIC MANHOLE   |
|  | UTILITY POLE  |
|  | BRIDGE  |
|  | CURB  |
|  | EDGE OF CONCRETE  |
|  | GAS LINE  |
|  | OVERHEAD ELECTRICAL LINE  |
|  | TRAFFIC BARRIER   |
|  | WATER LINE  |
|  | EXISTING CONTOUR  |
|  | PROPOSED CONTOUR  |
|  | SILT FENCE  |
|  | APPROXIMATE LOCATION OF TXDOT FIBER. CONTRACTOR TO FIELD VERIFY LOCATION AND DEPTH PRIOR TO CONSTRUCTION. |

### GRADING LEGEND

- |  |       |                          |
|--|-------|--------------------------|
|  | 668   | EXISTING 1' CONTOUR      |
|  | 670   | EXISTING 5' CONTOUR      |
|  | 672   | PROPOSED 1' CONTOUR      |
|  | 675   | PROPOSED 5' CONTOUR      |
|  | 85.90 | PROPOSED SPOT GRADE      |
|  | FG    | FINISH GRADE             |
|  | ME    | MATCH EXISTING GRADE     |
|  | FFE   | FINISHED FLOOR ELEVATION |



0 20' 40'



**CLIENT**  
City of Arlington  
Department of Public Works  
101 W Abram St  
Arlington, TX 76011

**PROJECT NO.**  
1256.18

1	07/15/2022	Addendum 01
-	05/04/2022	Bid Set

## Existing Utilities, Erosion Control, & Grading Plan



Parkhill.com

**Arlington Gateway Monument  
State Hwy 360, Southbound**



**CLIENT**  
City of Arlington  
Department of Public Works  
101 W Abram St  
Arlington, TX 76011

**PROJECT NO.**  
1256.18

1	07/15/2022	Addendum 01
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**Planting Plan**

**PLANTING SCHEDULE**

SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	CONTAINER	HEIGHT	SPREAD	SPACING
	MUH AAT	116	MUHLENBERGIA CAPILLARIS 'REGAL MIST' REGAL MIST GRASS 30" O.C.	#3	2 FT	2 FT	30" o.c.

STONE	CODE	QTY	MATERIAL / SIZE	SIZE
	MUL UMU	14 SF	STONE RIPRAP	3"-5"

SEED	CODE	QTY	BOTANICAL / COMMON NAME
	NAT IBA	1,764 SF	HABITURF OR THUNDERTURF & BLUEBONNET MIX  HABITURF OR THUNDERTURF (BOUPELOUA DACTYLOIDES+BOUPELOUA GRACILIS+HILARIA BELANGERI) AND BLUEBONNET MIX AS NOTED

**SEED MIXES**  
SEED MIXES TO BE THUNDER TURF, HABITURF, OR APPROVED EQUAL SEE

CONTACT: THUNDER TURF  
NATIVE AMERICAN SEED  
E INFO@SEEDSOURCE.COM  
T 800.728.4043  
WWW.SEEDSOURCE.COM

CONTACT: HABITURF  
LADY BIRD JOHNSON WILDFLOWER CENTER  
4801 LA CROSSE AVE.  
AUSTIN, TEXAS 78739  
T 512.232.0100  
WWW.WILDFLOWER.ORG

**EXISTING UTILITIES**  
CONTRACTOR MUST VERIFY LOCATION OF ALL OVERHEAD AND UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH CITY OFFICIALS AND UTILITY COMPANIES IN LOCATING UTILITIES. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR LOSSES DUE TO DAMAGE TO UTILITIES. LOCATION FOR ALL UTILITIES SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL CALL TEXAS 811, 1-800-344-8377.

**PLANTING AND SOIL DETAILS**  
REF. SHEET 6 FOR TYPICAL PLANTING AND SOIL DETAILS.

**EROSION CONTROL BLANKETS**  
INSTALL ORIGINAL CURLEX® EROSION CONTROL BLANKETS WITHIN ALL PLANTING AREAS AND SEEDED AREAS PER TXDOT SPECIFICATIONS. CONTACT AMERICAN EXCELSIOR COMPANY T. 800.777.7645, AMERICANEXCELSIOR.COM

**TEMPORARY IRRIGATION**  
CONTRACTOR TO PROVIDE TEMPORARY IRRIGATION FOR PLANTING/SEEDING IN AREAS OF DISTURBANCE UNTIL PLANTING/SEEDING IS FULLY ESTABLISHED.

**PLANTING NOTES**

- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO TXDOT STANDARDS, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL LOCATE AND VERIFY THE EXISTENCE OF ALL UTILITIES PRIOR TO STARTING WORK.
- THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING PLAN SHOWN ON ALL DRAWINGS. PLANT COUNTS AND SQUARE FOOTAGES ARE PROVIDED AS A COURTESY ONLY ALL PLANTS SHALL BE NURSERY GROWN. REFER TO PLANT LIST FOR QUANTITIES AND SPECIFICATIONS.
- ALL PLANT MATERIAL SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE CURRENT AMERICAN STANDARD FOR NURSERY STOCK, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN OR EQUIVALENT.
- THE SITE SHALL BE FINE GRADED PRIOR TO ANY PLANT INSTALLATION. ANY AREAS DISTURBED BY PLANTING SHALL BE REGRADED AND SMOOTHED PRIOR TO PLANTING.
- THE CONTRACTOR SHALL FLAG UNDERGROUND UTILITY LOCATIONS AND MAINTAIN THESE LOCATIONS UNTIL ALL TREE LOCATIONS ARE APPROVED, AND PLANT PITS EXCAVATED.
- THE OWNER OR OWNER'S REPRESENTATIVE SHALL APPROVE ALL PLANT LOCATIONS PRIOR TO PLANTING.
- CONTRACTOR SHALL ESTABLISH HABITURF OR THUNDER TURF ON ALL AREAS DISTURBED BY CONSTRUCTION, AS NOTED.
- HYDRO-SEED APPLICATION PER TXDOT SPECIFICATIONS. PLANTING RATE FOR HABITURF IS 4 LBS. / 1,000 SQ. FT.. PLANTING RATE FOR BLUEBONNETS IS 1/2 LB. / 1,000 SQ. FT.. BLUEBONNET SEEDS MUST BE INOCULATED WITH RHIZOBIUM OR RHIZOBIUM 29 MUST BE APPLIED TO THE SOIL AFTER HYDRO-SEEDING PER THE MANUFACTURER'S SUGGESTED APPLICATION RATE.
- INSTALL ORIGINAL CURLEX® EROSION CONTROL BLANKETS WITHIN ALL PLANTING AREAS AND SEEDED AREAS PER TXDOT SPECIFICATIONS.
- CONTRACTOR TO WARRANTY AND GUARANTEE PLANT MATERIAL AND SURVIVAL FOR 1 YEAR AFTER INSTALLATION.
- ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THE PLANT'S ORIGINAL GRADE BEFORE DIGGING OR AS ESTABLISHED IN CONTAINER.
- ALL PLANTS SHALL BE INSTALLED AS PER DETAILS.
- ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24 HOUR PERIOD AFTER PLANTING. ALL PLANTS SHALL THEN BE WATERED WEEKLY OR MORE OFTEN AS NEEDED DURING THE FIRST GROWING SEASON.
- ALL PLANTING BEDS TO RECEIVE ORGANIC AND/OR INORGANIC MULCH MATERIALS AS NOTED ON PLANS.
- REFER TO SPECIFICATIONS FOR SPECIFIED PLANTING SOIL AND AMENDMENTS.
- ALL PLANTING BEDS TO RECEIVE 3" DEPTH SHREDDED HARDWOOD MULCH UNLESS SPECIFIED OTHERWISE.

**KEY NOTES**

- AS INDICATED BY: (00)
- EXISTING 3'-0" CONCRETE TRAFFIC RAIL AT GRADE.
  - EXISTING 3'-0" CONCRETE TRAFFIC RAIL AT BRIDGE DECK.
  - EXISTING 3'-0" CONCRETE TRAFFIC RAIL AT I-30 ON RAMP.
  - EXISTING COLUMN AT I-30 ON RAMP.
  - EXISTING OVERHEAD SIGN COLUMN.
  - EXISTING ROAD CURB, TYP.
  - EXISTING SIDEWALK.
  - EXISTING UNDERGROUND FIBER VAULT.
  - EXISTING STORM WATER MANHOLE.
  - EXISTING AT&T MANHOLE.
  - EXISTING SIGN (AT&T UNDERGROUND FIBER OPTIC).
  - EXISTING CONCRETE BRIDGE APRON.
  - EXISTING WATER LINE.
  - APPROXIMATE LOCATION OF PROPOSED ONCOR POLE.
  - APPROXIMATE LOCATION OF PROPOSED ONCOR OVERHEAD CONDUCTOR.
  - APPROXIMATE ROW LINE PER CORNERSTONE SURVEYING DRAWING PDF DATED 01-07-2022.
  - APPROXIMATE LOCATION OF TXDOT FIBER. CONTRACTOR TO FIELD VERIFY LOCATION AND DEPTH PRIOR TO CONSTRUCTION.
  - APPROXIMATE LOCATION OF TXDOT AS GROUND BOX.

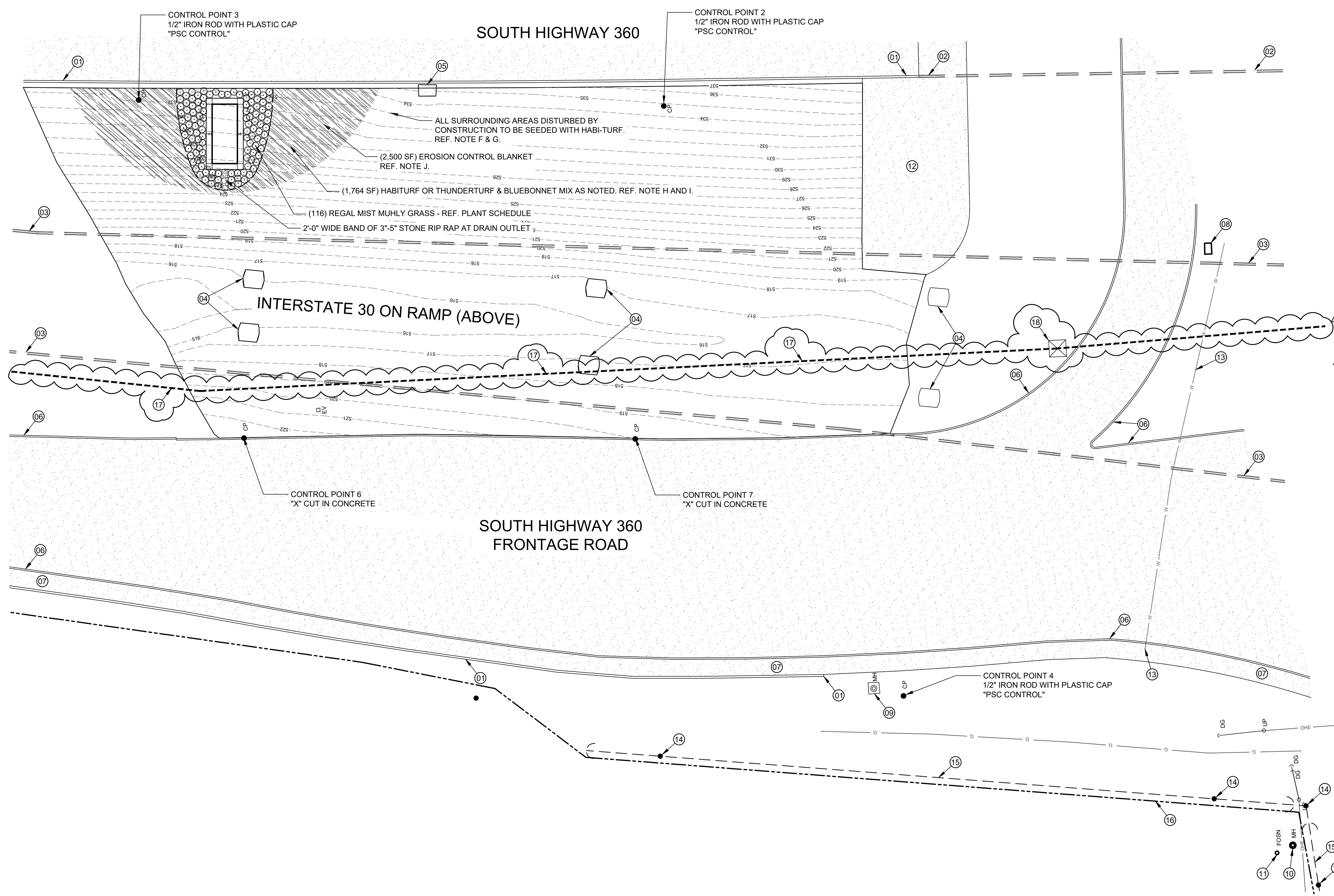
**LEGEND**

- EXISTING VEHICULAR CONCRETE PAVING
- BOREHOLE
- CONTROL POINT
- DOWN GUY
- ELECTRIC VAULT
- STORM SEWER MANHOLE
- FIBER OPTIC LINE SIGN
- FIBER OPTIC MANHOLE
- UTILITY POLE
- BRIDGE
- CURB
- EDGE OF CONCRETE
- GAS LINE
- OVERHEAD ELECTRICAL LINE
- TRAFFIC BARRIER
- WATER LINE

APPROXIMATE LOCATION OF TXDOT FIBER. CONTRACTOR TO FIELD VERIFY LOCATION AND DEPTH PRIOR TO CONSTRUCTION.

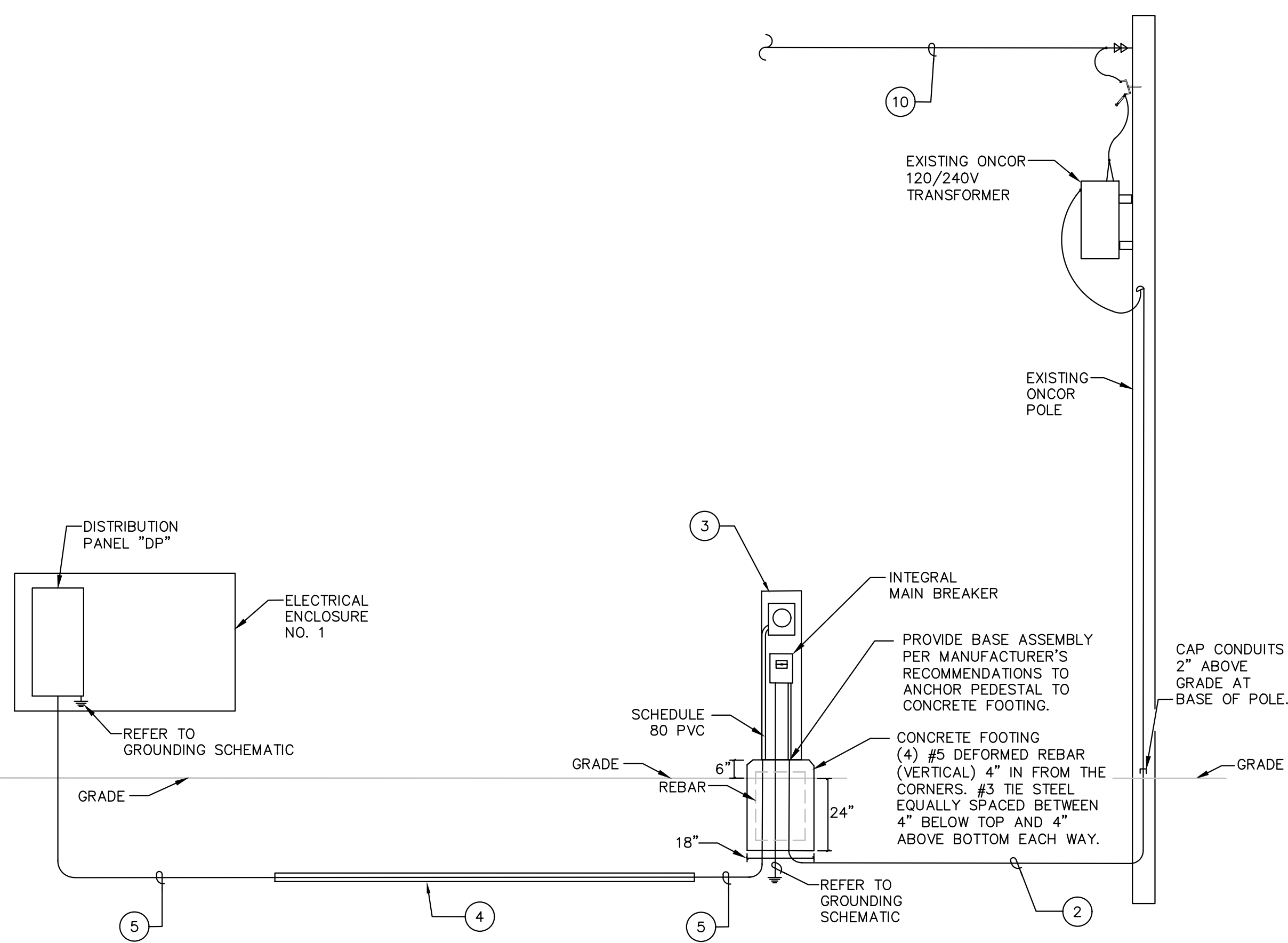


0 20' 40'



FILE NAME: B:\2018\1256.18\03\_DSGND1\_DWG\060\_LAND\03\_SHEETS\6 PLANTING PLAN.dwg LAYOUT NAME: 5 PLANTING PLAN PRINTED: Thursday, July 14, 2022 - 5:36pm USER: BPoits

FILE NAME: S:\Projects\2021 Year\2105.00 Arlington Gateway Sign 3.0 (Hwy 360 & Lamar)\Drawings\E1.01.dwg LAYOUT NAME: Layout1 PRINTED: Thursday, July 14, 2022 - 1:34pm USER: rtyler

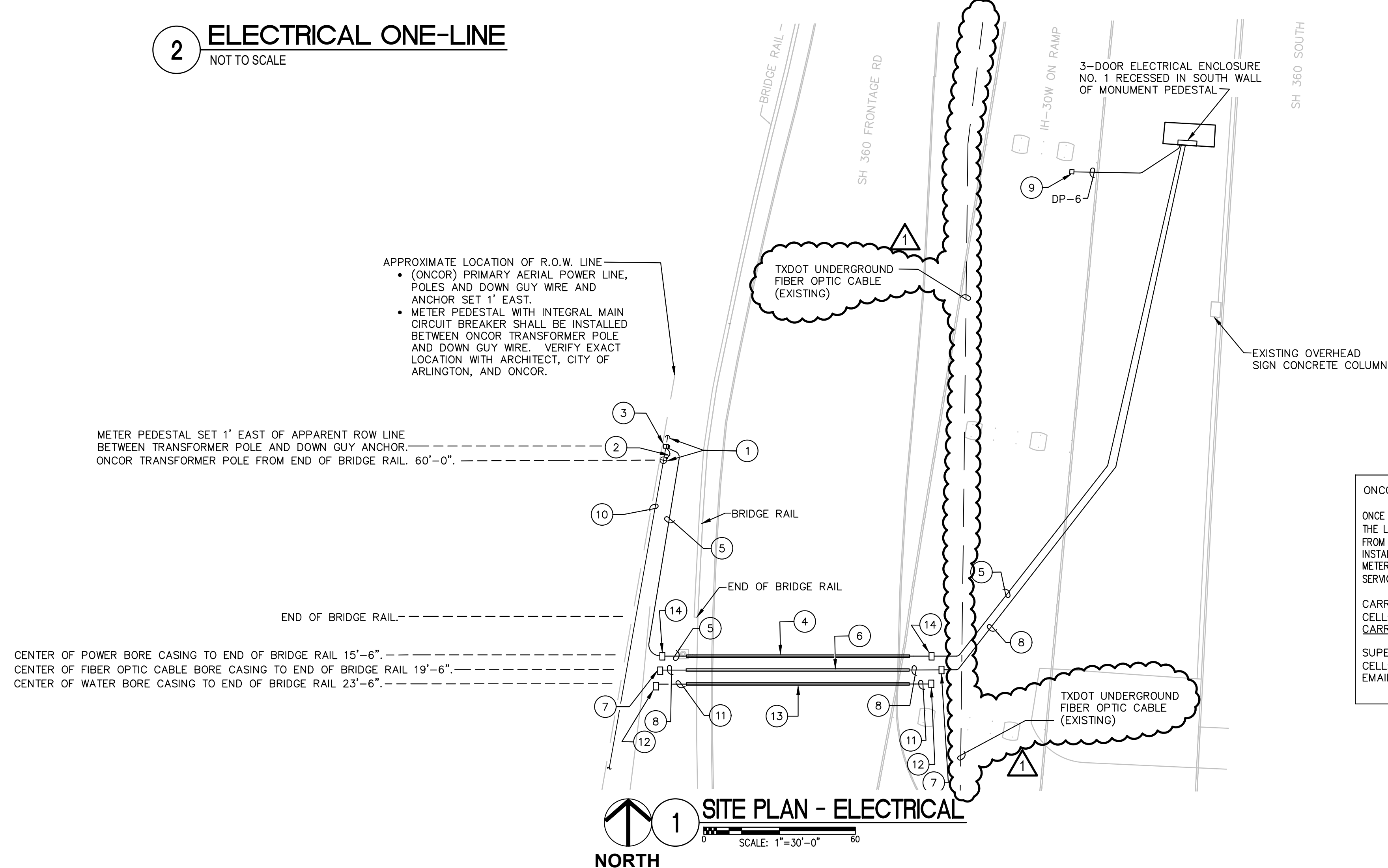


**GENERAL NOTES:**

- ELECTRICAL EQUIPMENT SHOWN WITH NON-SCALED SYMBOLS.
- CONDUCTOR/CONDUIT RUNS ARE DIAGRAMMATIC AND SHOW ONLY APPROXIMATE ROUTING. CONTRACTOR SHALL ADJUST ROUTING AS REQUIRED TO RESOLVE ANY CONFLICTS WITH EXISTING UTILITIES AND NEW WORK.
- ALL CONDUITS SHALL BE MINIMUM OF 30" BELOW GRADE UNLESS OTHERWISE NOTED. DEPTHS SHALL BE INCREASED AS NECESSARY TO COORDINATE WITH OTHER WORK AND AS REQUIRED BY UTILITY COMPANIES TO MAINTAIN SEPARATION AND COVER. BORE DEPTH BELOW FRONTAGE ROAD SHALL BE AS REQUIRED BY TxDOT.
- VERIFY EXACT LOCATION OF ALL EXISTING UNDERGROUND UTILITIES. BEFORE ANY EXCAVATION. CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY SYSTEM DISTURBED DURING CONSTRUCTION. EXCAVATION IN AREAS OF OTHER UTILITIES SHALL BE CAREFULLY HAND DUG. CALL "811" PRIOR TO EXCAVATION.
- ALL UNDERGROUND CONDUCTORS SHALL BE COPPER TYPE XHHW.
- ALL TRENCHES SHALL BE FILLED, LEVELED AND COMPACTED TO 95%.
- CONTRACTOR SHALL PROVIDE LONG SWEEP RADIUS ELBOWS FOR ELECTRICAL CONDUITS.
- CONDUIT BENDS SHALL NOT EXCEED A TOTAL OF 270 DEG PER EACH RUN.
- ELECTRICAL ENCLOSURE NO. 1 AND MAIN SERVICE METER PEDESTAL (MAIN CIRCUIT BREAKER) ENCLOSURE TO HAVE MATCHING KEYPED LOCKS UTILIZING CITY OF ARLINGTON KEY STANDARD. COORDINATE WITH CITY OF ARLINGTON FOR KEY STANDARD AND WHEN LOCKS ARE INSTALLED.
- CITY OF ARLINGTON WILL PERMIT ALL ROAD BORES WITH TxDOT. CONTRACTOR SHALL INSTALL ROADWAY BORES PER TxDOT SPECIFICATIONS.
- ALL IN-GRADE PULL BOXES SHALL HAVE TRAFFIC RATED, LOCKABLE CONCRETE COVER WITH PENTABOLTS.
- CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR IN MATCHING SIZE OF ELECTRICAL ENCLOSURE NO. 1 TO THE LEAVE-OUT OPENING IN THE MONUMENT STRUCTURE.

**ELECTRICAL NOTES BY SYMBOL**

- EXISTING ONCOR SERVICE POLE, TRANSFORMER AND GUY.
- (1) 2" SCHEDULE 80 PVC AND (1) SPARE 2" SCHEDULE 80 PVC. ONCOR TO PROVIDE AND INSTALL CONDUCTORS FROM TRANSFORMER TO PRIMARY LUGS OF METER BASE. ONCOR TO PROVIDE FINAL WIRE TERMINATIONS. CAP CONDUITS 2" ABOVE GRADE AT BASE OF POLE. ONCOR TO EXTEND CONDUIT UP POLE TO TRANSFORMER.
- 100A, 120/240V, METER PEDESTAL WITH INTEGRAL 2P-100A MAIN CIRCUIT BREAKER (EQUAL TO MILBANK U1510-0 WITH ANCHOR BOLT KIT K5421, FLANGE KIT K5410 AND STABILIZER KIT K5415) PER NEC AND ONCOR STANDARDS. COORDINATE WITH ONCOR FOR METER BASE APPROVAL AND FOR METER INSTALL.
- 4" STEEL ROADWAY BORE CASING EQUIPPED WITH 1-1/2" SCHEDULE 80 PVC WITH 3#1/0, #4G AND 1-1/2" PVC SPARE SCHEDULE 80 PVC.
- 1-1/2" SCHEDULE 80 PVC WITH 3#1/0, #4G AND 1-1/2" PVC SPARE SCHEDULE 80 PVC.
- 4" STEEL ROADWAY BORE CASING EQUIPPED WITH (2) 1-1/2" SCHEDULE 80 PVC. ONE CONDUIT TO BE UTILIZED FOR FIBER OPTIC CABLE. FIBER OPTIC CABLE, WILL BE FURNISHED, INSTALLED AND TERMINATED BY THE CITY OF ARLINGTON. THE OTHER 1-1/2" PVC WILL BE SPARE.
- IN-GRADE PULL BOX FURNISHED AND INSTALLED BY CITY OF ARLINGTON FOR FIBER OPTIC NETWORK AND CONTROL CABLES.
- (2) 1-1/2" SCHEDULE 80 PVC FOR CITY OF ARLINGTON FIBER OPTIC CABLE. PROVIDE #200 TENSILE STRENGTH MULE TAPE FOR FIBER OPTIC CABLE. FIBER OPTIC CABLE WILL BE FURNISHED AND INSTALLED BY CITY OF ARLINGTON.
- IRRIGATION CONTROLLER. PEDESTAL AND IRRIGATION CONTROLLER PROVIDED, INSTALLED AND PROGRAMMED BY CITY OF ARLINGTON. VERIFY EXACT LOCATION WITH ARCHITECT AND CITY OF ARLINGTON.
- EXISTING ONCOR OVERHEAD SINGLE PHASE PRIMARY.
- (2) 1-1/2" SCHEDULE 80 PVC FOR CITY OF ARLINGTON WATER LINE.
- INSTALL IN-GRADE PULL BOX PROVIDED BY THE CITY OF ARLINGTON FOR WATER LINE CONNECTIONS.
- 4" STEEL ROADWAY BORE CASING EQUIPPED WITH (2) 1-1/2" SCHEDULE 80 PVC. ONE CONDUIT TO BE UTILIZED FOR WATER LINE. WATER LINE, CONNECTION FITTINGS, AND VALVES WILL BE PROVIDED, INSTALLED AND TERMINATED BY THE CITY OF ARLINGTON. THE OTHER 1-1/2" PVC WILL BE SPARE.
- IN-GRADE PULL BOX FOR ELECTRICAL POWER CONDUIT AND CONDUCTORS FROM METER PEDESTAL TO ELECTRICAL ENCLOSURE NO. 1.

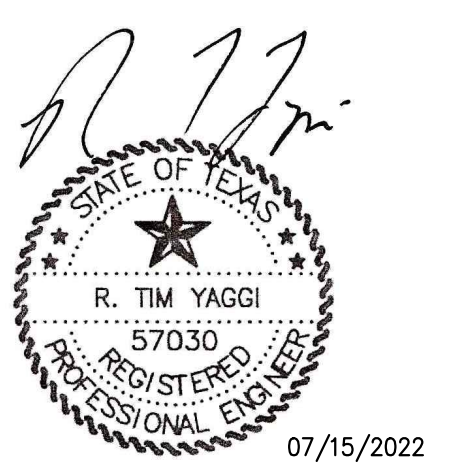


**ONCOR COORDINATION NOTE AND CONTACT INFORMATION**

ONCE CONTRACTOR HAS THE METER PEDESTAL IN AND THE 2" SCHEDULE 40 PVC (ANY BENDS NEED TO BE THE LONG 90'S) CONDUIT INSTALLED FROM INSIDE THE METER PEDESTAL TO THE POLE (STOP ABOUT 6" FROM THE BASE OF THE POLE), NOTIFY CARRI GENTRY (682-274-1527) TO SUBMIT AN UNDERGROUND INSTALL FOR THE SERVICE WIRE. WHEN THIS IS COMPLETED BY ONCOR AND CONTRACTOR IS READY FOR METER, CONFIRM THE CITY METER INSPECTION HAS BEEN POSTED TO CITY ACCOUNT. CONTACT ELECTRIC SERVICE PROVIDER (ESID:10443720000355435) TO REQUEST THE METER SET.

CARRI P. GENTRY DESIGNER RDG NORTH | PMDS WEST-METRO DESIGN  
 CELL: (682) 274-1527  
 CARRI.GENTRY@ONCOR.COM

SUPERVISOR: CHARLES THOMAS  
 CELL: (817) 480-3515  
 EMAIL: CHARLES.THOMAS@ONCOR.COM



**Arlington Gateway Monument  
Hwy 360 & E Lamar Blvd**



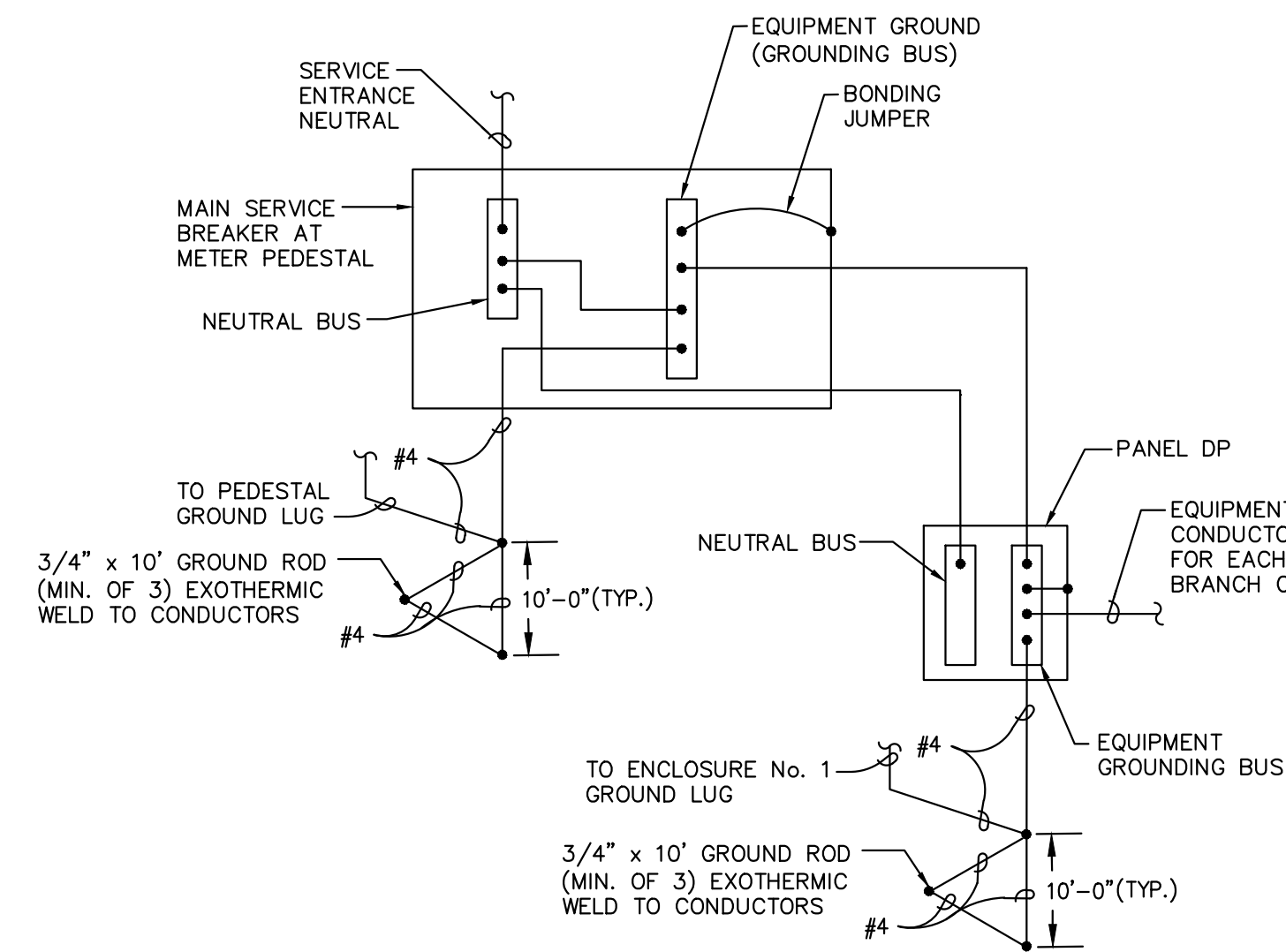
**CLIENT**  
 City of Arlington  
 Department of Public Works  
 101 W Abram St  
 Arlington, TX 76011

**PROJECT NO.**  
1256.18

#	DATE	DESCRIPTION
1	07/15/2022	ADD #1
	06/04/2022	Big Set

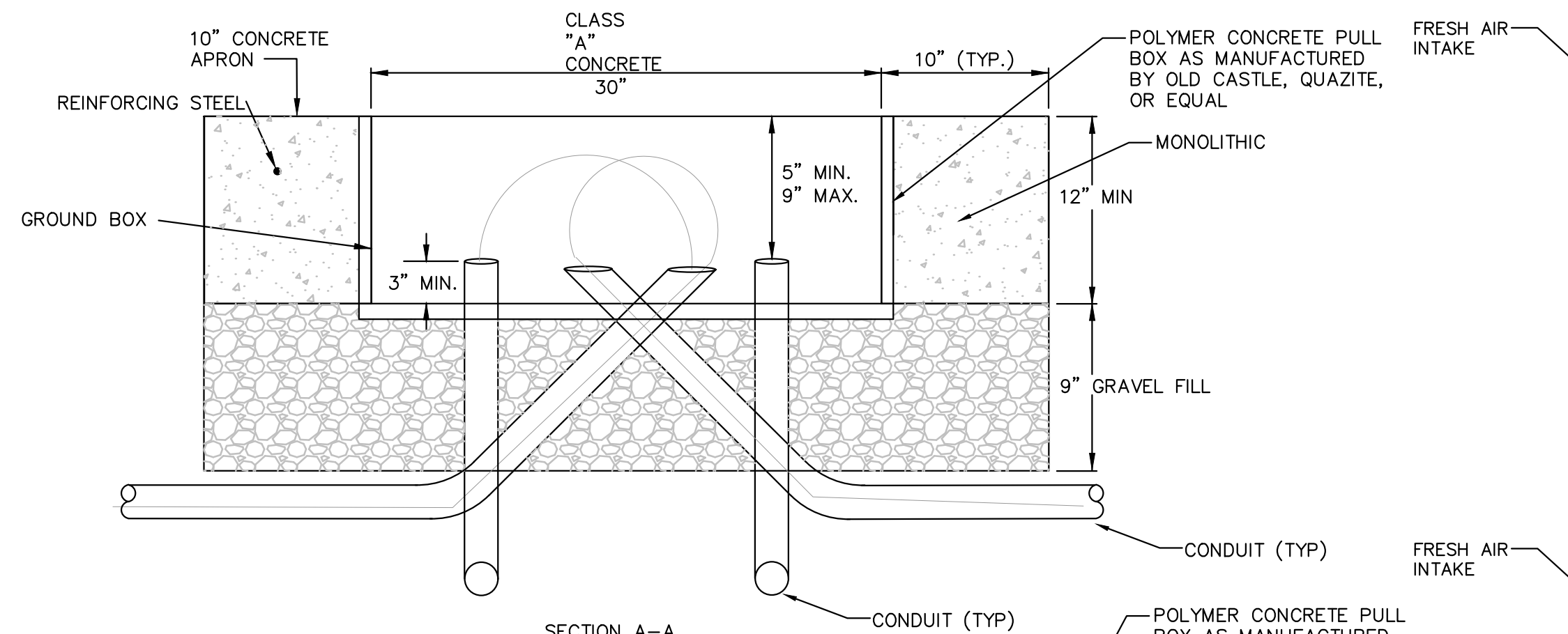
**ELECTRICAL  
SITE PLAN AND  
ONE-LINE**

FILE NAME: S:\Projects\2021\Year2\105.00 Arlington Gateway Sign 3.0 (Hwy 360 & Lamar)\Drawings\E2.02.dwg LAYOUT NAME: Layout1 PRINTED: Thursday, July 14, 2022 - 10:27am USER: rlyer

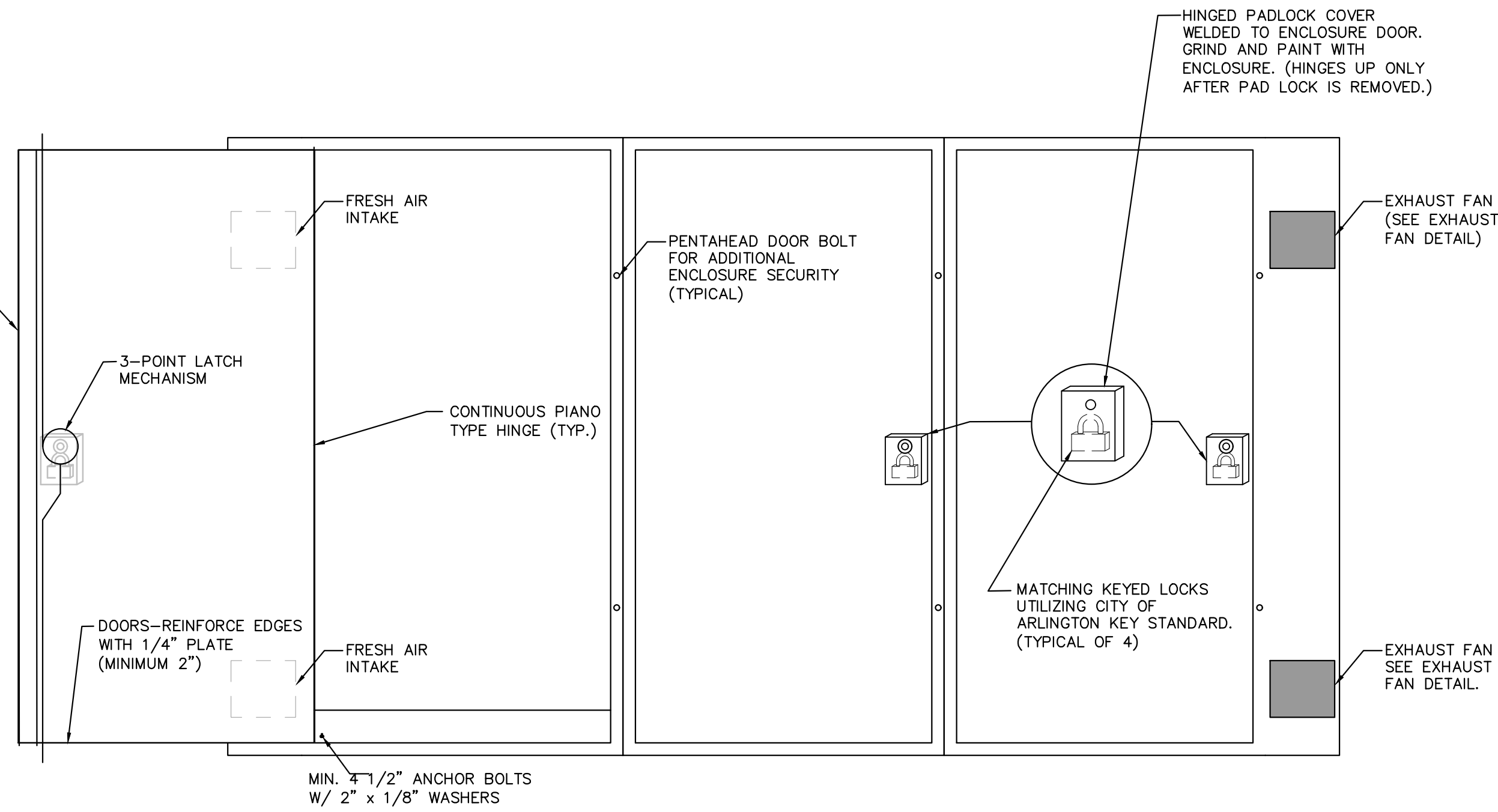


**1 GROUNDING SCHEMATIC**  
NOT TO SCALE

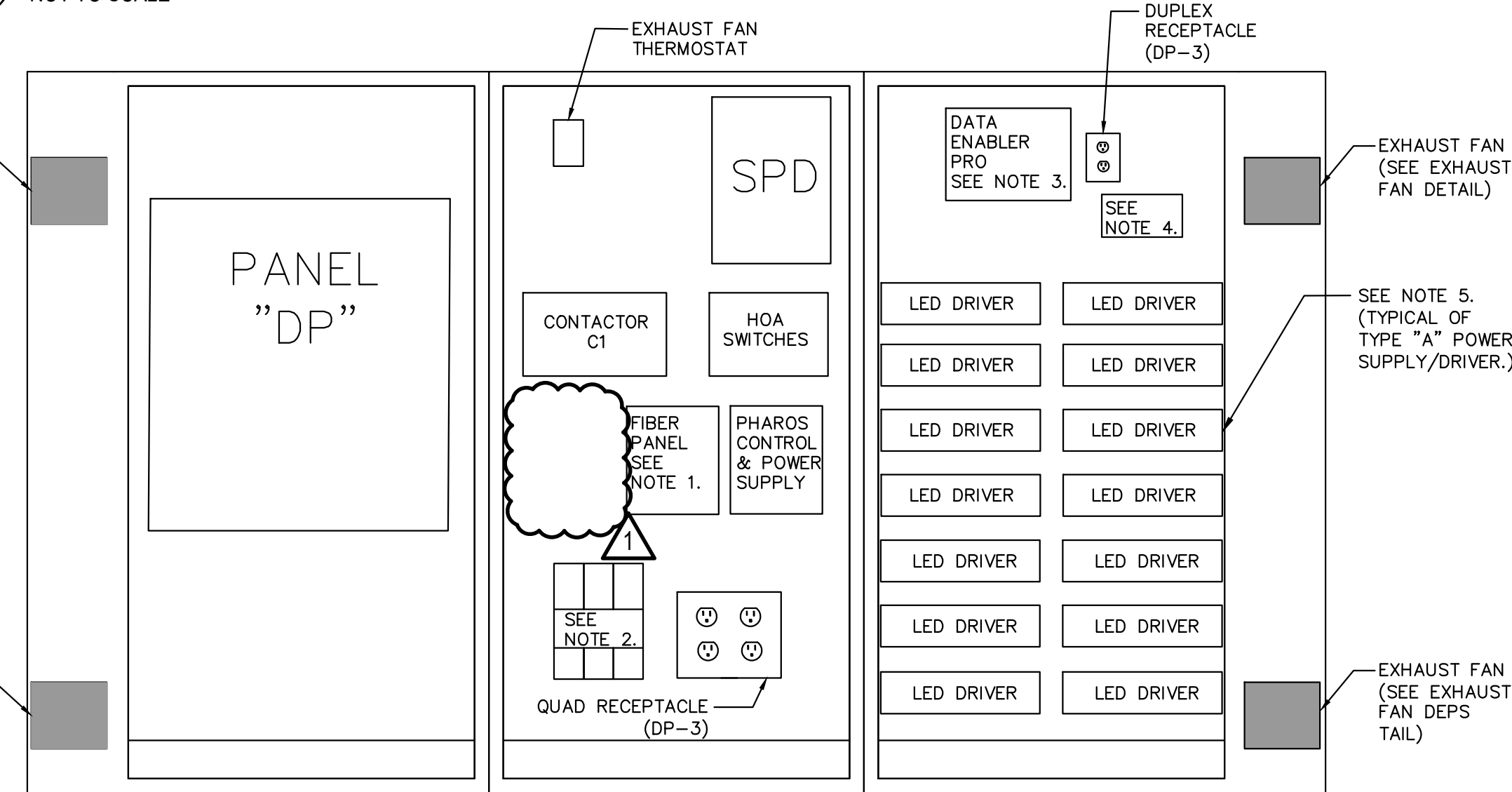
- NOTES:**
1. MEASURED RESISTANCE TO GROUND SHALL NOT EXCEED 2 OHMS.
  2. DO NOT BOND NEUTRAL TO GROUND AT PANEL DP PER NEC ONE BUILDING SERVED FROM ANOTHER.



**3 GROUND BOX DETAIL**

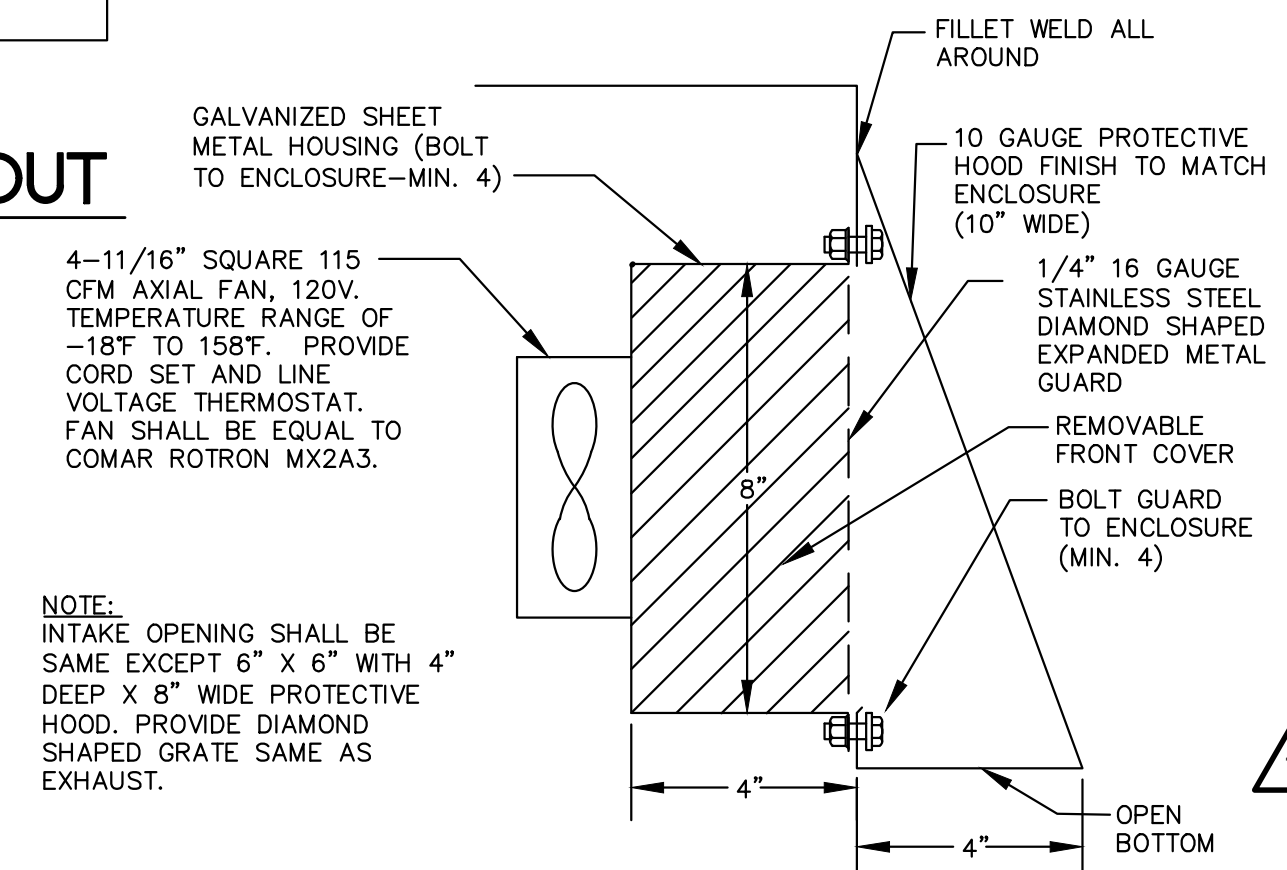


**2 ELECTRICAL ENCLOSURE NO. 1 - FRONT ELEVATION**  
NOT TO SCALE



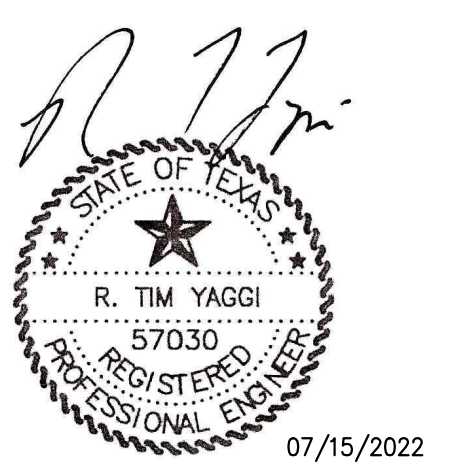
**4 ELECTRICAL ENCLOSURE NO. 1 - INTERIOR LAYOUT**  
NOT TO SCALE

- NOTES:**
1. FIBER PANEL. PROVIDED BY CITY OF ARLINGTON AND INSTALLED BY CONTRACTOR.
  2. POWER SUPPLY AND NETWORK SWITCH WILL BE PROVIDED AND INSTALLED BY CITY OF ARLINGTON.
  3. DATA ENABLER PRO. CONTRACTOR TO PROVIDE QUANTITY REQUIRED.
  4. CONTACTOR "C1" IN NEMA 1 ENCLOSURE WITH HINGED COVER. (DP-1, 3)
  5. CONFIRM QUANTITY OF LED DRIVERS REQUIRED. PROVIDE ADDITIONAL AS REQUIRED.
  6. VENTILATION AIR SHALL MOVE FREELY FROM (2) WEST END FRESH AIR INTAKES THRU ENCLOSURE AND EXHAUST VIA (2) EAST END EXHAUST FANS.



**5 EXHAUST FAN DETAIL**  
NOT TO SCALE

- NOTES:**
1. INSTALL GROUNDING BUSHING ON ALL CONDUIT ENTRIES.
  2. CONTINUOUS FOAM GASKETS AROUND ALL DOORS.
  3. ENCLOSURE SHALL BE NEMA 3RX EQUIVALENT (12 GAUGE STAINLESS STEEL MIN.).
  4. ALL INTERIOR COMPONENTS SHALL BE DEAD FRONT. NO EXPOSED ELECTRICAL TERMINALS SHALL BE VISIBLE. ALL CONDUCTORS SHALL BE INSTALLED IN RACEWAYS.
  5. INTERIOR BACK PANELS SHALL BE INSTALLED FOR MOUNTING OF ALL COMPONENTS.
  6. CABINET DIMENSIONS SHALL BE DETERMINED BY THE ENCLOSURE MANUFACTURER. SHALL BE MINIMUM 50" HIGH, MINIMUM 7"-6" WIDE AND MINIMUM 12" DEEP TO ENCLOSE ALL COMPONENTS.
  7. ENCLOSURE SHALL BE ALL WELDED CONSTRUCTION.
  8. WELDED AND CUT JOINTS SHALL BE GROUND SMOOTH.
  9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL COMPONENTS FIT INSIDE ENCLOSURE. INCREASE ENCLOSURE DIMENSIONS AS REQUIRED.
  10. SUBMIT DIMENSIONED FABRICATION DRAWINGS WITH INTERIOR COMPONENT LAYOUT FOR ENGINEER APPROVAL
  11. 3-POINT LATCHING MECHANISM SHALL BE OPENED AND CLOSED WITH PENTAHEAD NUT WELDED TO LATCHING MECHANISM. PENTAHEAD NUT BY SNAP-ON #B9121 SHALL BE IN RECESS TO PROHIBIT USE OF ANY SOCKET EXCEPT PENTAHEAD SOCKET. FURNISH TWO (2) PENTAHEAD SOCKETS TO OWNER WITH ENCLOSURE.
  12. ALL ENCLOSURE DOORS AND METER PEDESTAL ENCLOSURE (4 TOTAL) TO HAVE MATCHING KEYPED LOCKS UTILIZING CITY OF ARLINGTON KEY STANDARD. COORDINATE WITH CITY OF ARLINGTON FOR KEY STANDARD AND WHEN LOCKS ARE INSTALLED.
  13. HINGES ON DOORS SHALL BE CONTINUOUS PIANO STYLE.
  14. VANDAL PROOF DOORS WITH HASP STRESS RATED TO 2,000 LBS.
  15. ENCLOSURE SHALL BE EQUAL TO UNIVERSAL OR BUFFALO EQUIPMENT ENCLOSURES.
  16. ONCE RECESSED 3-DOOR ENCLOSURE IS INSTALLED AND CAST IN PLACE CONCRETE IS COMPLETE, CONTRACTOR SHALL PAINT THE SOUTH FACE, DOORS OF 3-DOOR ENCLOSURE, AND TRIM MATERIAL THE SAME COLOR AS THE CONCRETE. PAINT TYPE AND COLOR TO BE SELECTED BY ARCHITECT. PRIOR TO PAINTING BEING COMPLETED, CONTRACTOR SHALL INSTALL ENCLOSURE TRIM TO COVER AND PROTECT FLUSH MOUNTING BRACKET/SUPPORTS (INCLUDED WITH ENCLOSURE) VERIFY WITH ARCHITECT FOR FINISH OF TRIM AND/OR IF PAINTING REQUIRED.
- NOTE:** ELECTRICAL CONTRACTOR TO COORDINATE VERY CLOSELY WITH TRADES CONSTRUCTING THE MONUMENT BASE. ALL CONDUITS MUST BE INSTALLED AND APPROVED BY ARCHITECT AND ENGINEER BEFORE CONCRETE IS POURED.



**Arlington Gateway Monument**  
Hwy 360 & E Lamar Blvd



**CLIENT**  
City of Arlington  
Department of Public Works  
101 W Abram St  
Arlington, TX 76011

**PROJECT NO.**  
1256.18

#	DATE	DESCRIPTION
1	07/15/2022	ADD #1
	08/04/2022	Big Set

**ELECTRICAL DETAILS**



FILE NAME: B:\2018\1256.18\03\_DSGN01\_DWG\03\_SHEETS\02\_IRRIGATION PLAN.dwg LAYOUT NAME: 20\_IRRIGATION PLAN PRINTED: Thursday, July 14, 2022 - 5:51pm USER: BProts

**EXISTING UTILITIES**  
 CONTRACTOR MUST VERIFY LOCATION OF ALL OVERHEAD AND UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH CITY OFFICIALS AND UTILITY COMPANIES IN LOCATING UTILITIES. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR LOSSES DUE TO DAMAGE TO UTILITIES. LOCATION FOR ALL UTILITIES SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL CALL TEXAS 811, 1-800-344-8377.

**IRRIGATION DETAILS**  
 REF. SHEETS 21 AND 22 TYPICAL IRRIGATION DETAILS AND GENERAL IRRIGATION NOTES.

**CRITICAL ANALYSIS**

Generated: 2022-04-26 10:48

P.O.C. NUMBER: 01  
 Water Source Information:  
 Tap meter into existing potable mainline.  
 Install per City of Arlington engineering standards.  
 Field verify potable mainline location.

**FLOW AVAILABLE**  
 Water Meter Size: 1"  
 Flow Available: 37.5 GPM

**PRESSURE AVAILABLE**  
 Static Pressure at POC: 55.00 PSI  
 Elevation Change: 5.00 ft  
 Service Line Size: 3"  
 Length of Service Line: 20 ft  
 Pressure Available: 53.00 psi

**DESIGN ANALYSIS**  
 Maximum Station Flow: 10.8 GPM  
 Flow Available at POC: 37.5 GPM  
 Residual Flow Available: 26.7 GPM

**Critical Station: 1**  
 Design Pressure: 20 PSI  
 Friction Loss: 0.5 PSI  
 Fittings Loss: 0.04 PSI  
 Elevation Loss: 0 PSI  
 Loss through Valve: 8.21 PSI  
 Pressure Req. at Critical Station: 28.76 PSI  
 Loss for Fittings: 0.65 PSI  
 Loss for Main Line: 6.52 PSI  
 Loss for POC to Valve Elevation: 0 PSI  
 Loss for Backflow: 6.83 PSI  
 Loss for Water Meter: 0.78 PSI  
 Critical Station Pressure at POC: 43.54 PSI  
 Pressure Available: 53 PSI  
 Residual Pressure Available: 9.46 PSI

**VALVE SCHEDULE**

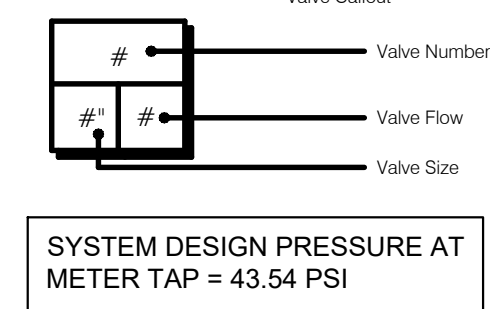
NUMBER	MODEL	SIZE	TYPE	GPM	DESIGN PSI
1	RAIN BIRD XCZ-100-PRB-COM	1"	AREA FOR DRIPLINE	10.80	20

FRICTION LOSS	VALVE LOSS	PSI	PSI @ POC	PRECIP
0.54	8.21	28.75	43.54	1.72 in/in

**IRRIGATION SCHEDULE**

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
☐	RAIN BIRD XCZ-100-PRB-COM DRIPLINE VALVE KIT WITH PVC ISOLATION VALVE
▨	AREA TO RECEIVE DRIPLINE NETAFIM TLV-09-12 TECHLINE PRESSURE COMPENSATING LANDSCAPE DRIPLINE WITH CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. 17MM.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
▣	RAIN BIRD 44-NP 1" BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING NON-POTABLE PURPLE RUBBER COVER, AND 2-PIECE BODY.
✂	1.25" FEBCO 650AWYE STRAINER & 1.25" GATE VALVE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS
FM	1 INCH ARAD FLOW METER INTER SPEC IS-BM-15-AC CONTACT: MATT SWOR, LONGHORN PIPE INC. 214.882.8731
BF	FEBCO 850 1" DOUBLE CHECK BACKFLOW ASSEMBLY, OR APPROVED EQUAL. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
C	BASE BID CONTROLLER: IRRINET IS-R1D-RU-S0 12 STATION AC IRRINET M/SS PEDESTAL. CONTACT: MATT SWOR, LONGHORN PIPE INC. 214.882.8731.
W	HUNTER RAIN-CLIK HARDWIRED RAIN SENSOR. MOUNT ON CONTROLLER PEDESTAL. NORMALLY CLOSED SWITCH.
M	WATER METER 1" TAP METER INTO EXISTING POTABLE MAINLINE. INSTALL PER CITY OF ARLINGTON ENGINEERING STANDARDS. FIELD VERIFY POTABLE MAINLINE LOCATION.
---	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21
---	IRRIGATION MAINLINE: PVC CLASS 200 SDR 21
---	PIPE SLEEVE: PVC CLASS 200 SDR 21 EXTEND 12" PAST ADJACENT HARD CONSTRUCTION, TYP

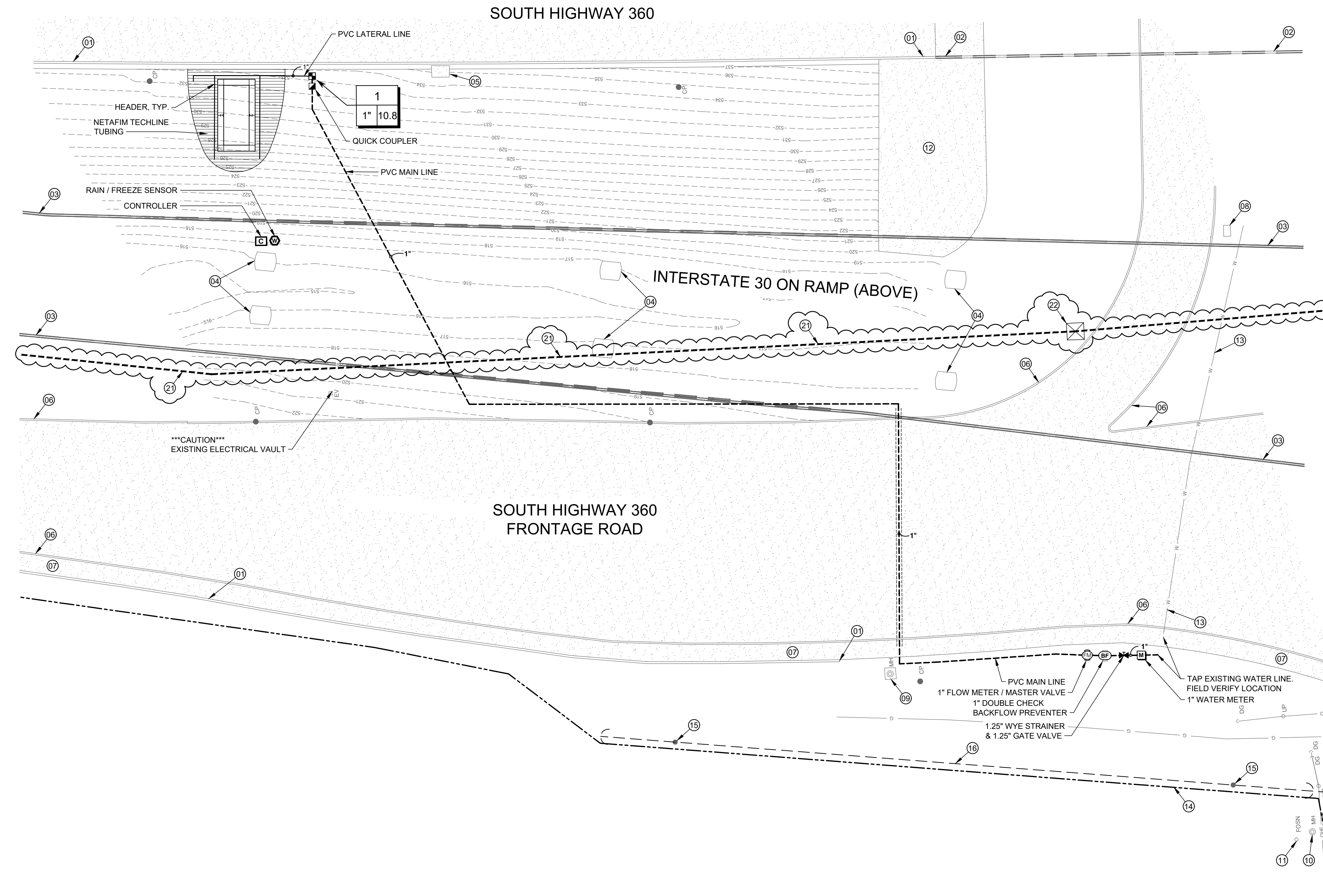


**KEY NOTES**

- AS INDICATED BY: (10)
- EXISTING 3'-0" CONCRETE TRAFFIC RAIL AT GRADE.
  - EXISTING 3'-0" CONCRETE TRAFFIC RAIL AT BRIDGE DECK.
  - EXISTING 3'-0" CONCRETE TRAFFIC RAIL AT I-30 ON RAMP.
  - EXISTING COLUMN AT I-30 ON RAMP.
  - EXISTING OVERHEAD SIGN COLUMN.
  - EXISTING ROAD CURB, TYP.
  - EXISTING SIDEWALK.
  - EXISTING UNDERGROUND FIBER VAULT.
  - EXISTING STORM WATER MANHOLE.
  - EXISTING AT&T MANHOLE.
  - EXISTING SIGN (AT&T UNDERGROUND FIBER OPTIC).
  - EXISTING CONCRETE BRIDGE APRON.
  - EXISTING WATER LINE.
  - APPROXIMATE ROW LINE PER CORNERSTONE SURVEYING DRAWING PDF DATED 01-07-2022.
  - APPROXIMATE LOCATION OF PROPOSED ONCOR POLE.
  - APPROXIMATE LOCATION OF PROPOSED ONCOR OVERHEAD CONDUCTOR.
  - APPROXIMATE LOCATION OF TXDOT FIBER. CONTRACTOR TO FIELD VERIFY LOCATION AND DEPTH PRIOR TO CONSTRUCTION.
  - APPROXIMATE LOCATION OF TXDOT AS GROUND BOX.

**LEGEND**

▨	EXISTING VEHICULAR CONCRETE PAVING
BH#	BOREHOLE
CP	CONTROL POINT
DG	DOWN GUY
EV	ELECTRIC VAULT
MH	STORM SEWER MANHOLE
FOSN	FIBER OPTIC LINE SIGN
MH	FIBER OPTIC MANHOLE
UP	UTILITY POLE
---	APPROXIMATE LOCATION OF TXDOT FIBER. CONTRACTOR TO FIELD VERIFY LOCATION AND DEPTH PRIOR TO CONSTRUCTION.
OHE	OVERHEAD ELECTRICAL LINE
BRIDGE	BRIDGE
CURB	CURB
EDGE OF CONCRETE	EDGE OF CONCRETE
GAS LINE	GAS LINE
TRAFFIC BARRIER	TRAFFIC BARRIER
W	WATER LINE



**CLIENT**  
 City of Arlington  
 Department of Public Works  
 101 W Abram St  
 Arlington, TX 76011

**PROJECT NO.**  
 1256.18

#	DATE	DESCRIPTION
1	07/15/2022	Addendum 01
-	05/04/2022	Bid Set

**IRRIGATION PLAN**