



**Hidalgo County
Planning
Department**

T.J. Arredondo, CFM
Director of Planning

Main Office

1304 S. 25th Street
Edinburg, Texas 78542
Phone (956) 318-2840
Fax (956) 318-2844

Precinct No. 1 Substation

1900 Joe Stephens Ave. Ste. A
Weslaco, Texas 78596
Phone (956) 968-4734
Fax (956) 973-7850

Precinct No. 3 Substation

2401 N. Moorefield Road
Mission, Texas 78572
Phone (956) 205-7045
Fax (956) 205-7049

PIPELINE AND UTILITY PERMIT APPLICATION PACKET

THE STATE OF TEXAS

COUNTY OF HIDALGO

PRECINCT 4

**APPLICATION AND AGREEMENT FOR PIPELINE OR
UTILITY PERMIT**

Date: 4/14/2022

FIBERLIGHT, LLC

(hereinafter referred to as "Applicant") does hereby make application to the Hidalgo County through the Hidalgo County Planning Department (hereinafter referred to as "HCPD") to construct, maintain and repair pipelines or utilities across the easements, right-of-ways, property or property interest as described below.

Information required:

1. Name, Address and Phone number of Applicant:

Pablo Gonzales 210-780-9763 4360 Beltway Place

pablo.gonzales@fiberlight.com Arlington Tx. 76018

2. Name, Address and Phone number of company or agency owning Pipeline or Utility (please indicate if same as Applicant):

SAME AS APPLICANT

3. Name, Address and Phone number of operator of Pipeline or Utility (please indicate if same as Applicant):

SAME AS APPLICANT

4. Name, Address and Phone number of contractor to install Pipeline or Utility:

Rockport Const. David Nixon 972-762-5176

david@rockportllc.net 1 Sugar Creek Center Blvd. STE 1000 Sugarland Tx. 77478-3557



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5. Is this a common carrier pipeline or utility? If yes, please submit the Applicant's Texas Railroad Commission Form "T-4" or similar form designating the facility:

NO

6. Does Applicant have the Power of Eminent Domain?

NO

7. Will the product be carried for hire or by the owner of the goods?

NA

8. Name and Legal description of property owner requesting utility services if applicable:

NA

9. Type of utility work within county road right-of-way:

Bore Crossing Line Extension Along R.O.W. Other Install fiber optic cable

10. Where is the origin of the line?

Project begins at the northwest corner of SH0281 and W El Cibolo Rd. Project continues west for approx. 2936ft on the north side of W El Cibolo Rd. Project Proposes a total of approx. 2936ft of buried fiber optic cable via directional bore with 3 hand holes.

11. Where is the destination of the line?

SEE ATTACHED



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12. Utility Crossing Coordinate X: NA Y: NA
(NAD 83 Texas South FIPS 4205 feet)
13. Number and size of lines:
(2) 1 1/4" HDPE SDR - 11 Conduit
14. Pressure (each line):
NA
15. Content (each line):
NA
16. Estimated date of installation of Pipeline or Utility:
~~5/16/2022~~ AS SOON AS PERMIT GETS APPROVED BY C.C.



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If requested permit is granted by HCPD, Applicant, in consideration thereof, agrees and binds itself as follows:

1. All pipelines or utilities herein will be horizontally placed within the right-of-way as determined by HCPD and at a minimum depth of five (5) feet below natural ground. Depth, horizontal, and vertical location shall be confirmed by HCPD Inspectors.
2. Location map, profile, and plans concerning the proposed pipeline or utility crossing will be furnished with this application.
3. HCPD will be notified in writing ten days prior to the beginning date of construction under this permit.
4. Applicant will bear the entire expense of all future relocations of any pipelines or utilities should such relocation, at the sole discretion of the Hidalgo County Commissioners Court, be necessary for improvements, alteration, or maintenance of Hidalgo County's easement or property of interest.
5. Applicant will notify the HCPD at least 48 hours prior to covering work and or completion of its work and removal of its equipment from the job site to permit HCPD to make an inspection.
6. Upon notification by the HCPD, the Applicant will promptly repair or rectify any deficiency or condition caused by the Applicant's operations or installations under this permit. Applicant will leave easement in as near the same condition or better, in the HCPD's sole judgment, as it existed prior to the commencement of the operations under this permit.
7. Hidalgo County shall not be liable or responsible for, and shall be saved and held harmless by Applicant, and further shall be indemnified by Applicant, from and against any and all suits, actions, losses, damages, claims, or liability of any character, type, or description, including all expenses of litigation, court costs, attorney's fees, and engineering fees for injury or death to any person, or injury to any property, received or sustained by any person or persons or property, arising out of, or occasioned by, directly or indirectly, the performance of Applicant under this agreement, including claims and damages arising in part from the negligence of Hidalgo County.



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It is the expressed intent of the parties to this agreement that the indemnity provided for in this section is extended by Applicant to indemnify and protect Hidalgo County from the consequences of Hidalgo County's own negligence, whether that negligence is the sole or contributory cause of the resultant injury death, or damage.

Applicant further agrees to defend, at its own expense, with attorneys acceptable to Hidalgo County and on behalf of Hidalgo County, and in the name of Hidalgo County, any claim or litigation brought against Hidalgo County in connection with any such injury, death or damage.

Before construction is begun on such pipeline or utility crossings, Applicant will furnish to the HCPD a certificate of insurance (or other security approved by the HCPD) payable to Hidalgo County and protecting Hidalgo County (as an additional named insured) against any claims for personal injuries or damages to property resulting from the operations of Applicant, its agents, servants, employees, and contractors under this permit. Insurance is to be supplied in accordance with the attached Schedule A.

8. Hidalgo County makes no warranties, expressed or implied, in the granting of this permit; nor does Hidalgo County purport to grant any property interest or exclusive privileges whatsoever by granting such permit. It is specifically understood that Hidalgo County is not the agent for, nor does it act for, the fee owners or any persons or entities having any right, or title to possession of the land upon which Hidalgo County's easement or other property interest is located. Furthermore, in granting this permit Hidalgo County makes no representation or warranty that it has any property interest, including, but not limited to, an easement or right of way, in the land upon which Applicant constructs, maintains, repairs, or modifies the pipelines or utilities, made the subject of this application, nor does Hidalgo County make any representation or warranty as to the validity, quality or extent of such property interest, if any. Applicant acknowledges its understanding that Hidalgo County in granting this permit, does not convey or grant to Applicant any rights, title or interest for which is has no legal authority to grant or convey.

9. Applicant binds itself to comply with all federal, state, and local laws or regulations and will obtain all necessary permits from all local and federal agencies required by law before installation or construction is begun.



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10. Applicant will install its pipelines and utilities in a manner and location as shown in the plans and specifications filed with HCPD in support of this application for permit. Hidalgo County Planning Department's representative may at any time make such inspection as such engineer or other representation may deem necessary to assure that the construction of the pipeline or utilities is in accordance with the plans and specifications submitted, and said engineer or representative shall have the right to temporarily suspend Applicant's work if necessary, while such inspection is being made. Should Applicant not install the pipelines or utilities in accordance with the terms and conditions of this permit, Applicant agrees that Hidalgo County shall have the right to require, at Applicant's expense, the removal of the pipelines and utilities and its replacement in conformance to said plans and specifications and conditions of this permit. Hidalgo County may revoke this permit and suspend all work hereunder if it is determined by Hidalgo County that the pipelines or utilities are not being installed in accordance with such plans and specifications and conditions of this permit. The suspension or revocation of this permit shall not be a basis for a claim for damages against Hidalgo County.
11. Except in emergency situations where it is necessary to protect life and property, Applicant will not make any change, modification, or alteration in or to the pipelines or utilities without first securing a new or amended permit from Hidalgo County prior to the making of any such change. Applicant will maintain the pipelines or utilities hereby authorized in good and safe condition, and in accordance with plans, specifications, and this permit.
12. Applicant agrees to pay HCPD a permit fee to cover administrative costs in the amount of **\$500.00**, plus a reimbursement to HCPD for any necessary engineering fees which may be incurred for the study and processing of the Application. This fee will permit a single pipeline or utility to be within County right-of-way. Applicant further agrees to pay an additional fee of **\$500.00** for each additional line included in permit application at the same location; however, more than one location may be included in a single application.

Requests to lay additional line or lines, not included in an initial permit application, must be made by separate application, with new permit fees paid accordingly and support data provided.



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Permit fees may be waived where Applicant is a state, county, municipality, or a special political subdivision.

13. The Applicant is allowed one hundred twenty days (120) from the granting of the permit to start construction of the pipelines or utilities crossings. Once started, the Applicant is allowed ninety (90) days to complete all work under such permit. All construction must be completed within two hundred ten (210) days from the date of issuance of permit. Upon application, extension of the time periods set forth in this paragraph may be granted by the Hidalgo County Commissioners Court. Such applications for extension must be received by HCPD at least thirty days before the expiration of the two hundred ten (210) days period. A new permit fee, in accordance with Paragraph 12 hereof, will be charged for each extension granted.

Construction of any pipeline or utility crossing will not begin until written approval has been given by HCPD.

14. All provisions of the Pipeline and Utility Permit Administration Policy of Hidalgo County, if any, and all amendments thereto, are hereby incorporated herein as part of the terms and conditions of this permit for all purposes.

15. Applicant warrants and represents that it has secured from all fee owners of the involved property an easement or other property rights to construct, repair or modify the pipeline or utility in the manner set forth herein.

16. This Pipeline and Utility Permit if granted by Hidalgo County is subject to any and all other requirements, specifications and conditions listed in Exhibit A attached hereto.

17. Hidalgo County requires all coordinates of all utility crossings. Horizontal datum to be in NAD 83 State Plane Texas South 4205 feet and vertical datum in NAVD 88 Geoid 12a.



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18. This permit constitutes the entire agreement between the parties with regard to the subject matter hereof, and all prior agreements, representations, and negotiations between the parties regarding the subject matter are hereby superseded. This permit shall not be altered or amended except by an agreement in writing executed by the parties hereto.

19. Applicant warrants and represents that its undersigned representative has full authority to bind Applicant to the terms and conditions of the foregoing Application and Agreement for Pipeline or Utility Permit.

DATED this 21 day of April, 20 22.

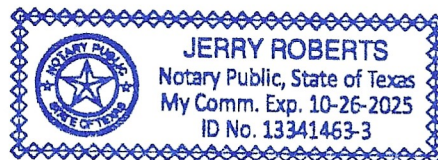
Pablo Gonzales
(Name of Applicant – Printed or Typed)

By: Pablo Gonzales
Signature

Title: Project Manager

STATE OF TEXAS
COUNTY OF HIDALGO

SUBSCRIBED AND SWORN TO before me the Applicant,
Pablo Gonzales, on this 21 day of April, 20 22,
to which witness my hand and seal of office.



[Signature]
Notary Public for the State of Texas

My Commission Expires: 10-26-25



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**APPROVAL OF APPLICATION BY
HIDALGO COUNTY PLANNING DEPARTMENT**

Came on for consideration this _____ day of _____,
20____. The above and foregoing Application for Pipeline and Utility
Permit, and after consideration of the same by the Hidalgo County
Commissioners Court, said Application and Agreement for Pipeline or
Utility Permit is hereby APPROVED.

HIDALGO COUNTY:

Richard F. Cortez, County Judge



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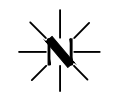
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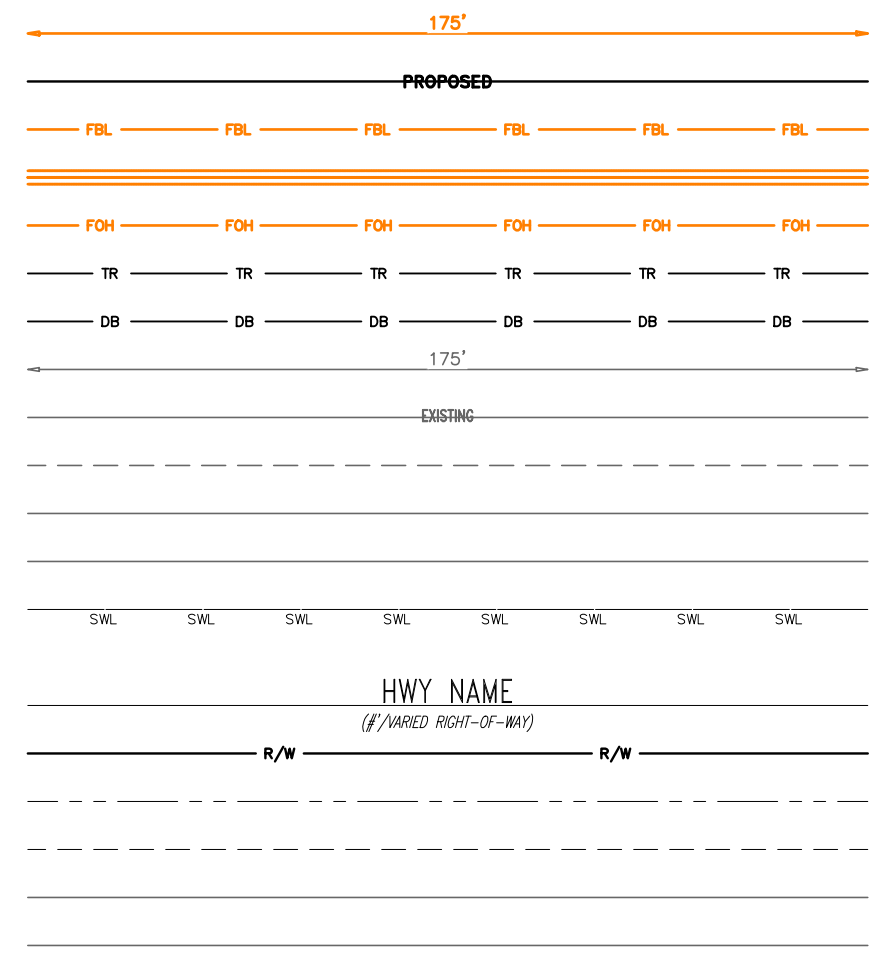
PIPELINE AND UTILITY PERMIT APPLICATION PACKET

EXHIBIT A

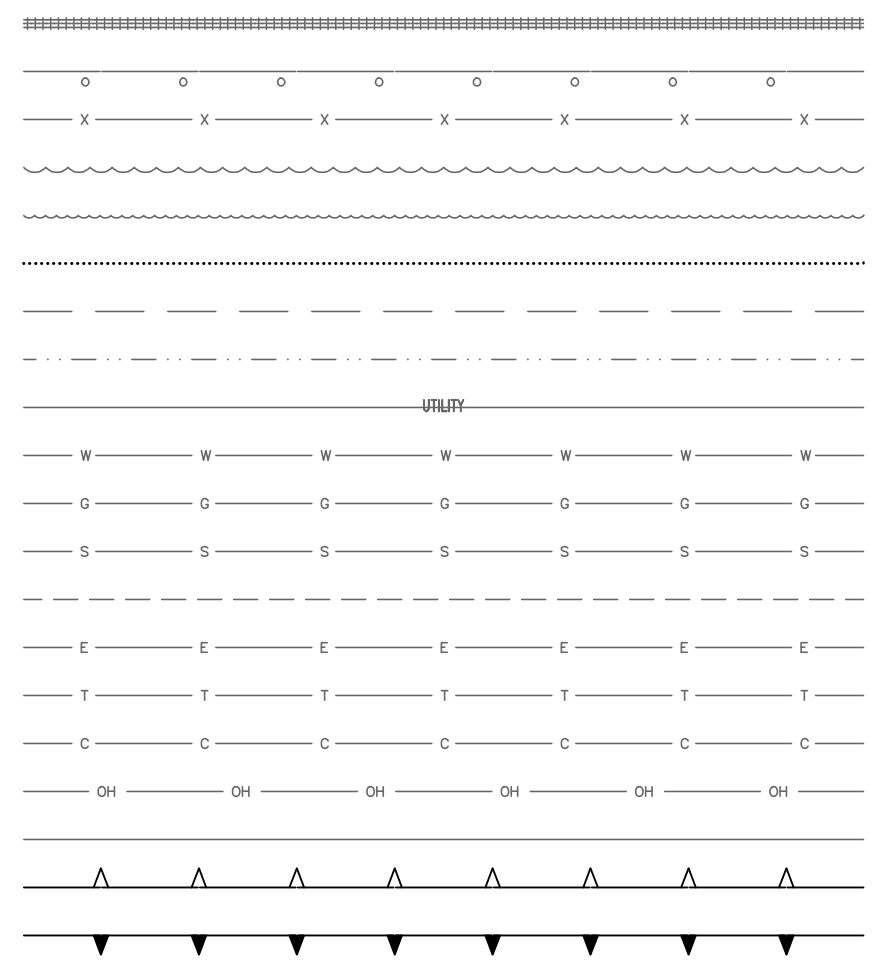
(Please insert description of project location and supporting documents for proposed utility work)



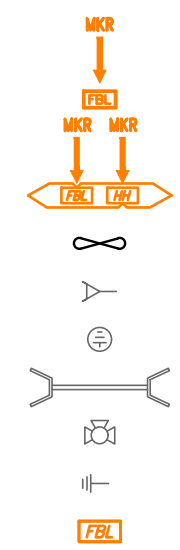
LEGEND



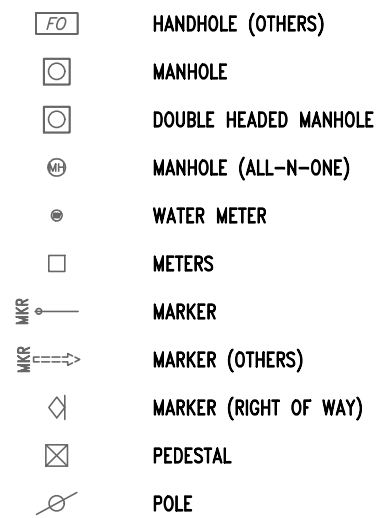
- PROPOSED FEATURE DIMENSION
- PROPOSED FEATURE TEXT
- PROPOSED CONDUIT ROUTE
- PROPOSED BORE
- PROPOSED AERIAL ROUTE
- TRENCH
- DIRECTIONAL BORE
- EXISTING FEATURE DIMENSION
- EXISTING FEATURE TEXT
- EDGE OF PAVEMENT
- CURB & GUTTER
- SIDEWALK
- SOLID WHITE LINE/FOG LINE
- CENTERLINE
- ROADNAME
- RIGHT OF WAY LINE
- PROPERTY LINE
- COUNTY LINE
- CONCRETE FEATURE
- BUILDING FEATURE



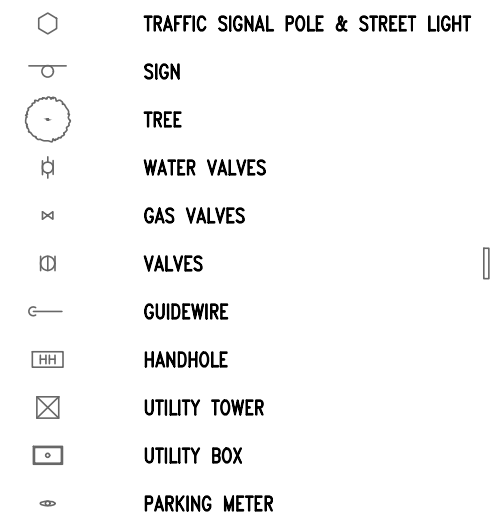
- RAILROAD
- GUARDRAIL
- FENCE LINE
- TREES/TREE LINE
- LANDSCAPING/BRUSH LINE
- DITCH LINE
- WATER FEATURE
- WETLANDS FEATURE
- UTILITY FEATURE TEXT
- UNDERGROUND WATER LINE
- UNDERGROUND GAS LINE
- UNDERGROUND SANITARY SEWER LINE
- UNDERGROUND STORM DRAIN LINE
- UNDERGROUND TELEPHONE LINE
- UNDERGROUND COMMUNICATION LINE
- OVERHEAD UTILITY LINE
- MISC UTILITY LINE
- TOP OF SLOPE
- TOE OF SLOPE



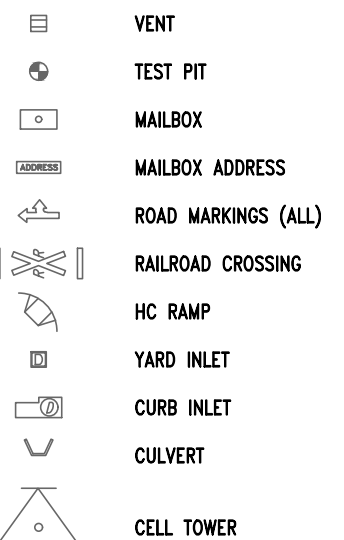
- PROPOSED FBL HANDHOLE
- PROPOSED DBL HANDHOLE
- SLACK SPAN
- ANCHOR
- CLEANOUT W/GROUND RODS
- CULVERT
- FIRE HYDRANT
- GROUND RODS
- PROP. HANDHOLE



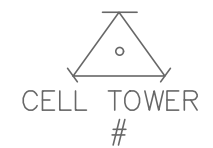
- HANDHOLE (OTHERS)
- MANHOLE
- DOUBLE HEADED MANHOLE
- MANHOLE (ALL-N-ONE)
- WATER METER
- METERS
- MARKER
- MARKER (OTHERS)
- MARKER (RIGHT OF WAY)
- PEDESTAL
- POLE



- TRAFFIC SIGNAL POLE & STREET LIGHT
- SIGN
- TREE
- WATER VALVES
- GAS VALVES
- VALVES
- GUIDEWIRE
- HANDHOLE
- UTILITY TOWER
- UTILITY BOX
- PARKING METER



- VENT
- TEST PIT
- MAILBOX
- MAILBOX ADDRESS
- ROAD MARKINGS (ALL)
- RAILROAD CROSSING
- HC RAMP
- YARD INLET
- CURB INLET
- CULVERT
- CELL TOWER



PROJECT: # RM22-611
SEGMENT #W EL CIBOLO RD-AUCRPO0045C

PERMIT
4/11/22

FiberLight
FIBERLIGHT LLC
4360 BELTWAY PL
ARLINGTON, TX 76018

RMWT
TELECOMMUNICATION SERVICES
433.823.4222



REVISIONS		
DATE	DESCRIPTION	BY
2/25/22	CAD	RK
4/7/22	DESIGN	KR
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EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF FIBERLIGHT BEING ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION.

SCALE
B SIZE DWG: NTS
D SIZE DWG: NTS

DATE:
APPROVED:
SHEET:

DWG **LEGEND**

T:\CLIENT_FILE_DATABASE\FIBERLIGHT\2022\RM22-611_AUCRPO0045C\DRAWINGS\DWG\FIBERLIGHT_Texas_AUCRPO0045C_RM22-611_02-25-22

CONSTRUCTION NOTES

1. WHERE TRENCHING TECHNIQUES ARE USED THE MINIMUM DEPTH TO THE TOP OF CONDUIT WILL BE 42" UNLESS OTHERWISE APPROVED BY THE PROJECT ENGINEER. A MAXIMUM DEPTH OF 72" IS REQUIRED TO THE TOP OF THE HDPE.
2. WHENEVER DIRECTIONAL BORING IS UTILIZED TO INSTALL CONDUITS ALL EXCAVATIONS SHALL BE BACKFILLED PER TXDOT SPECIFICATIONS.
3. VERIFICATION OF THE LOCATION OF ALL UTILITY CROSSINGS IS THE SUBCONTRACTOR'S RESPONSIBILITY. HAND DIG WHERE REQUIRED. ALL KNOWN UTILITIES MUST BE "TEST PITTED".
4. CONTACT TEXAS MISS UTILITY 72 HOURS IN ADVANCE OF CONSTRUCTION AT 1-800-DIG-TESS FOR LOCATION OF BURIED UTILITIES.
5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ALL TXDOT TRAFFIC LOOPS LOCATED.
6. CONFIRM WITH FIBERLIGHT, WITH TXDOT CORRESPONDENCE, THAT ALL TRAFFIC LOOP LOCATIONS HAVE BEEN COORDINATED FOR MARKING.
7. AT THE END OF EACH WORK DAY CONDUIT CAPS WILL BE PLACED ON ALL VACANT DUCTS.
8. A MINIMUM BENDING RADIUS OF 24" FOR FIBER CABLE WILL BE ADHERED TO.
9. MAXIMUM CABLE INSTALLATION TENSION SHALL NOT EXCEED 600 POUNDS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND STORAGE OF ALL SHRUBBERY TO BE REPLACED.
11. RESTORATION OF THE CONSTRUCTION AREA TO ORIGINAL OR BETTER CONDITION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
12. PLACE 6" OF 3/4" CRUSHED ROCK IN THE BOTTOM OF THE PIT PRIOR TO PLACING THE HANDHOLE.
13. ALWAYS HAND DIG WITHIN 2' OF UTILITIES.
14. PLACE A 50' COIL OF SLACK IN EACH HANDHOLE/MANHOLE.
15. EXCAVATE OUTSIDE THE DRIP LINE OF ALL TREES TO PREVENT ROOT DAMAGE.
16. CONSTRUCTION MATERIALS AND STAGING AREAS ARE NOT PERMITTED WITHIN 25' BUFFER ZONE OF WETLANDS, CREEKS, AND STREAMS.
17. THE CURB AND GUTTER IS NOT TO BE DISTURBED WITHOUT PRIOR APPROVAL.
18. IN THE EVENT THAT IT IS NECESSARY TO REMOVE ANY PORTION OF THE CURB AND GUTTER IT IS TO BE REPLACED SEAM TO SEAM IN A MATCHING CONFIGURATION TO THE ADJACENT CURB AND GUTTER.
19. ALL WORK WILL ADHERE TO THE REQUIREMENTS SET FORTH IN THE LATEST TXDOT UTILITY POLICY.
20. CONSTRUCTION NOTES SHALL APPLY TO ALL DRAWINGS.
21. A MINIMUM DEPTH OF 112" OR GREATER IS REQUIRED AT ALL RIVER, CREEK, AND/OR GULLY CROSSINGS.

GENERAL NOTES

1. GENERAL NOTES SHALL APPLY TO ALL DRAWINGS.
2. ALL WORK SHALL COMPLY WITH APPLICABLE STATE, COUNTY, & LOCAL REGULATORY AGENCIES. INCLUDING BUT NOT LIMITED TO OSHA, TXDOT, ETC.
3. THE CONTRACTOR SHALL CONTACT THE ADJACENT PROPERTY OWNERS A MINIMUM OF 12 HOURS IN ADVANCE OF CONSTRUCTION AT THE WORK SITE.
4. ALL TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE WORK IS STARTED. DEVICES NO LONGER REQUIRED SHALL BE REMOVED AS SOON AS POSSIBLE.
5. PEDESTRIAN TRAFFIC AREAS MUST BE MAINTAINED AT ALL TIMES. PEDESTRIANS MAY NOT BE REROUTED ONTO PRIVATE PROPERTY OR INTO STREETS.
6. NO EQUIPMENT OR MATERIALS SHALL BE STORED OR PERMITTED TO STAND UNPROTECTED WHERE TRAFFIC IS MAINTAINED.
7. NO EQUIPMENT OR MATERIALS SHALL BE STORED ON ROAD SURFACE DURING NON-WORKING PERIODS.
8. NO EQUIPMENT OR MATERIALS SHALL BE STORED ON SIDEWALK AT ANY TIME.
9. EXCAVATION MATERIAL SHALL BE STORED AWAY FROM THE PAVED ROADWAY. ALL SPILLED MATERIAL WILL BE REMOVED IMMEDIATELY.
10. EXISTING SIGNS, DELINEATORS, GUARDRAILS, MARKERS, TREES, SHRUBS, FENCES, WALKS, STEPS, ETC., THAT ARE DISTURBED BY THIS CONSTRUCTION SHALL BE REPLACED OR RESTORED TO THEIR ORIGINAL CONDITION OR TO THE SATISFACTION OF THE INSPECTING ENGINEER, PROPERTY OWNER, CITY, COUNTY, STATE AND/OR ANY OTHER AGENCY HAVING AUTHORITY/JURISDICTION.
11. CITY, COUNTY, STATE ROAD SIGNS, DELINEATORS, GUARDRAILS, ETC. SHALL NOT BE REMOVED. WRITTEN PERMISSION SHALL BE REQUIRED PRIOR TO ANY EXCAVATION IN THIS AREA.
12. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY, COUNTY, STATE SPECIFICATIONS AND STANDARDS.
13. ALL PERSONS WHO FLAG TRAFFIC ON STATE RIGHT-OF-WAY MUST BE CERTIFIED.
14. ALL SURFACE AND SUBSURFACE RESTORATION IS TO BE IDENTICAL TO THE ADJACENT UNDISTURBED AREAS. IN CORPUS CHRISTI DISTRICT OATS WILL BE PLANTED SEPT. 1 THROUGH NOV 30. (COUNTIES INCLUDED IN CORPUS CHRISTI DISTRICT: KARNES, GOLIAD, BEE, REFUGIO, SAN PATRICIO, LIVE OAK, JIM WELLS, KLEBERG, NUECES, AND ARANSAS.)
15. THE CONTRACTOR IS RESPONSIBLE FOR ANY UTILITY DAMAGES. WHEN ANY PERSON DAMAGES A UTILITY LINE OR PROTECTIVE COATING DURING EXCAVATION OR DEMOLITION THE ONSITE COUNTY INSPECTOR AND THE AFFECTED UTILITY WILL BE NOTIFIED.
16. ON ALL WORK ASSOCIATED WITH TXDOT PROJECTS THE RESIDENT ADMINISTRATOR FOR TXDOT MUST BE NOTIFIED AT LEAST 48 HRS BEFORE STARTING WORK.
17. CONTRACTOR IS RESPONSIBLE FOR ALL COMPACTING AND SEDIMENT CONTROL REGULATIONS.

* THESE PLANS MEET OR EXCEED TXDOT ROAD AND BRIDGE STANDARDS AND SPECIFICATIONS.

** NO HANDHOLES ARE TO BE PLACED WITHIN DITCHLINES.
18. ALL DRIVEWAYS WILL BE BORED.

ADDITIONAL NOTES

1. CONTRACTOR RESPONSIBLE FOR INSTALLATION/REPAIR/REPLACE OF MAILBOXES AND SIGNS. MAILBOXES AND SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH TXDOT STANDARDS.
2. CONTRACTOR SHALL REPLACE ALL AREAS WITHIN TXDOT RIGHT-OF-WAY TO ORIGINAL CONDITION.
3. CONSTRUCTION SHALL NOT CHANGE OR IMPACT EXISTING DRAINAGE CONDITIONS.
4. NATURAL AREAS WITHIN TXDOT RIGHT-OF-WAY WHICH ARE DISTURBED SHALL BE RE VEGETATED OR STABILIZED WITH SOIL RETENTION BLANKETS.
5. MINIMUM OF 2' SEPARATION MUST BE MAINTAINED BETWEEN THE BORES AND ALL CULVERTS.



PROJECT: # RM22-611

SEGMENT #W EL CIBOLO RD-AUCRPO0045C

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4/11/22

FiberLight

FIBERLIGHT LLC
4360 BELTWAY PL
ARLINGTON, TX 76018



REVISIONS

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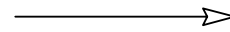
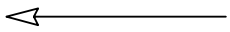
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NOTES



PROJECT: # RM22-611

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FIBERLIGHT LLC
4360 BELTWAY PL
ARLINGTON, TX 76018



CONTACT SHEET

FIBERLIGHT LLC
4360 BELTWAY PLACE
ARLINGTON, TX 76018

MIKE NUTT
FIELD SERVICE MANAGER
210-870-8891 CELL
mike.nutt@fiberlight.com

ENGINEERING

RMWT
CORPORATE OFFICE:
22 N SHEEP LN.
NEPHI, UT 84648

RAILROADS:

UTILITIES:

PERMITTING AGENCIES:

CITY GOVERNMENT

COUNTY GOVERNMENT:

STATE GOVERNMENT

EMERGENCY NUMBERS:

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DWG **CONTACTS**

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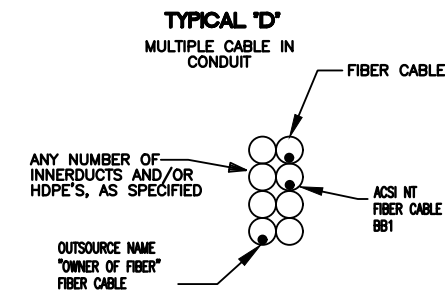
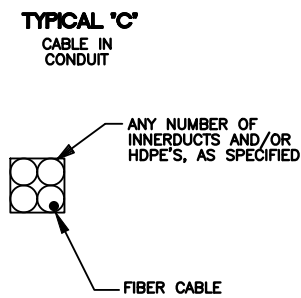
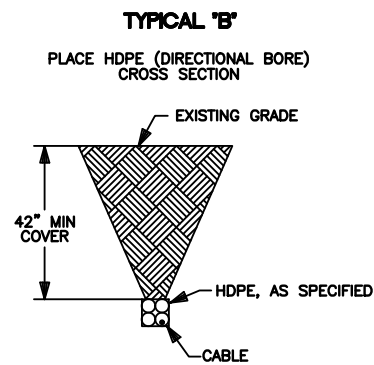
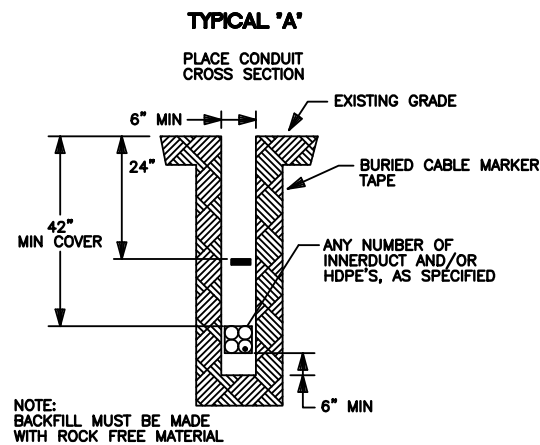


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BURIED CONSTRUCTION TYPICALS - 1

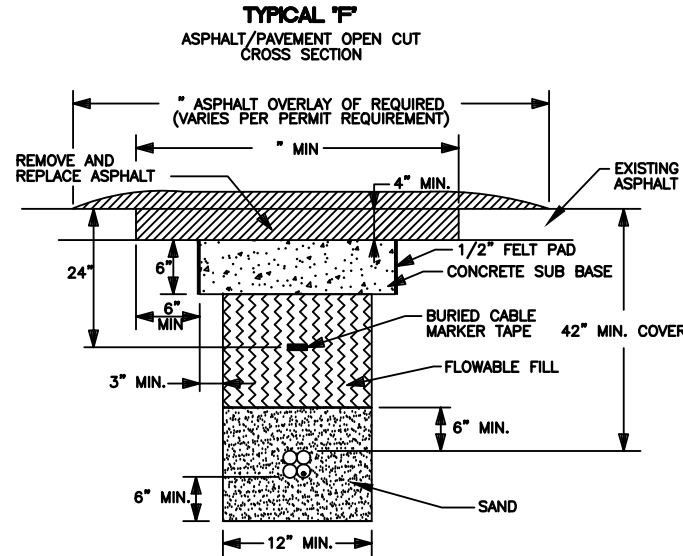
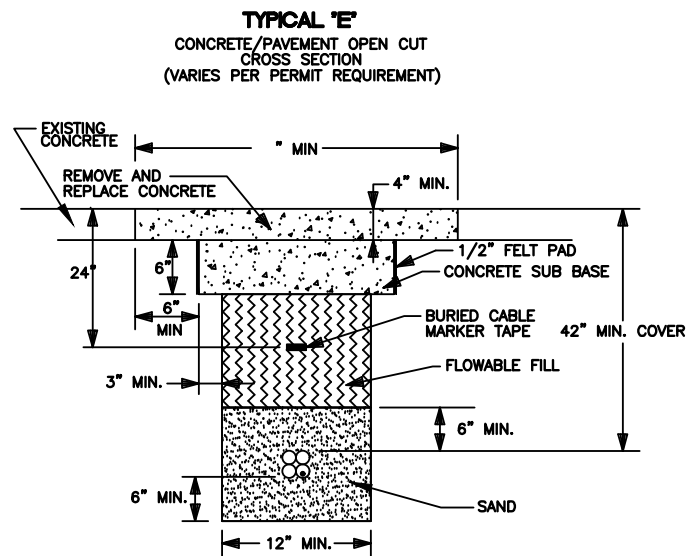
PLACEMENT - TYPICALS



NOTE:
BACKFILL MUST BE MADE
WITH ROCK FREE MATERIAL

CONDUIT CONFIGURATION

OPEN CUT - TYPICALS



1. THE BOTTOM OF THE TRENCH SHALL BE LEVEL, FLAT AND NOT HAVE ANY ROCK DEBRIS.
2. ALL BACKFILL MUST BE APPROVED BY ENGINEER, AND/OR PERMITTING AUTHORITY INSPECTOR.
3. EXCAVATED MATERIAL MAY BE DEEMED SUITABLE BACKFILL BY ENGINEER AND/OR PERMITTING AUTHORITY INSPECTOR.
4. MINIMUM SIX (6) INCHES OF CLEAN SAND SHALL BE PLACED OVER THE CONDUIT.
5. FLOWABLE FILL MIX DESIGN SHALL BE PER CITY AND/OR PERMITTING AUTHORITY.
6. ALL FLOWABLE FILL AND CONCRETE SHALL BE VIBRATED USING A 2" DIAMETER VIBRATOR.
7. CONCRETE AND ASPHALT THICKNESS SHALL MATCH EXISTING.
8. #4 DOWELS SHOULD BE DRILLED INTO ADJACENT UNDISTURBED CONCRETE TO PREVENT DIFFERENTIAL SETTLEMENT.

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BURIED CONSTRUCTION TYPICALS - 2



PROJECT: # RM22-611

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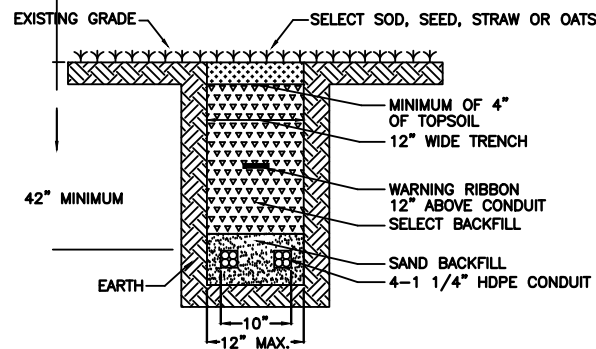
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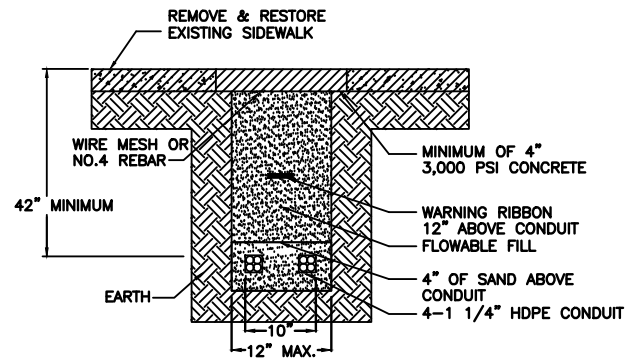


SOD/UNIMPROVED AREA TRENCH RESTORATION TYPICAL



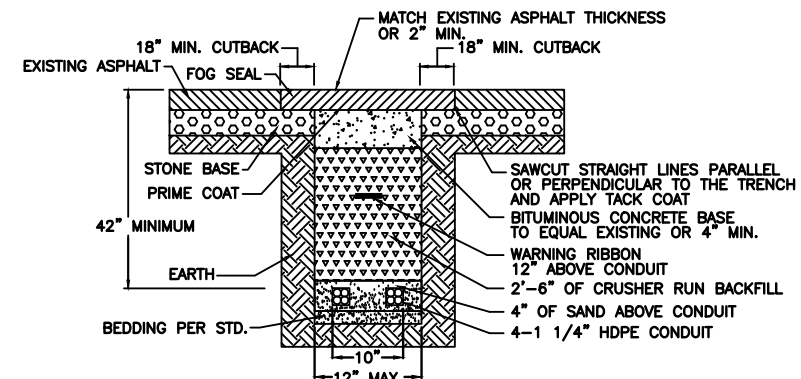
1. ALL BACKFILL MUST BE APPROVED BY ENGINEER OR PERMITTING AUTHORITY INSPECTOR.
2. EXCAVATED MATERIAL MAY BE DEEMED SUITABLE BACKFILL BY ENGINEER, AND/OR PERMITTING AUTHORITY.
3. A MAXIMUM OF EIGHT (8) INCH LIFTS OF BACKFILL MATERIAL WILL BE ALLOWED. FOUR (4) INCHES OF CLEAN SAND SHALL BE PLACED ABOVE THE CONDUIT.
4. THE BOTTOM OF THE TRENCH SHALL BE LEVEL, FLAT, AND NOT HAVE ANY ROCK DEBRIS.
5. ALL DISTURBED GRASS AREAS ARE TO BE SEEDED WITH KENTUCKY 31 FESCUE WITH NUTRIENTS APPLIED AND MAINTAINED TO ACHIEVE A SATISFACTORY GRASS COVER TO CONTROL EROSION. IN CORPUS CHRISTI DISTRICT OATS WILL BE PLANTED SEPT. 1 THROUGH NOV 30. (COUNTIES INCLUDED IN CORPUS CHRISTI DISTRICT: KARNES, GOLIAD, BEE, REFUGIO, SAN PATRICIO, LIVE OAK, JIM WELLS, KLEBERG, NUECES, AND ARANSAS.)

SIDEWALK TRENCH RESTORATION TYPICAL



1. REMOVE ENTIRE SIDEWALK PANEL, JOINT TO JOINT.
2. EXPANSION BOARD SHALL BE PLACED ON ALL EXISTING CONCRETE EDGES.
3. FLOWABLE FILL MIX DESIGN SHALL BE PER PERMITTING AUTHORITY SPECIFICATIONS.
4. THE NEW CONCRETE SIDEWALK SHALL BE PLACED LEVEL AND FLAT TO MATCH EXISTING.
5. THE FINISH SHALL MATCH EXISTING SIDEWALK.
6. FOUR (4) INCHES OF CLEAN SAND SHALL BE PLACED OVER THE MULTICELL CONDUIT.
7. THE BOTTOM OF THE TRENCH SHALL BE LEVEL, FLAT, AND NOT HAVE ANY ROCK DEBRIS.
8. CONCRETE REINFORCEMENT SHALL CONSIST OF WIRE MESH 6"x6"x10 GAUGE WIRE OR NO.4 REBAR PLACED ON 12" CENTERS.
9. ALL FLOWABLE FILL AND CONCRETE SHALL BE VIBRATED USING A 2" DIAMETER VIBRATOR.
10. CONCRETE SIDEWALK THICKNESS SHALL MATCH EXISTING.

ASPHALT TRENCH RESTORATION TYPICAL



1. BITUMINOUS CONCRETE SURFACE SHALL BE PLACED TO A DEPTH EQUAL TO THE EXISTING SURFACE OR 2" MINIMUM. (COARSE SURFACE)
2. BITUMINOUS CONCRETE BASE SHALL BE PLACED TO A DEPTH EQUAL TO THE EXISTING PAVEMENT OR 4" MINIMUM. (BC)
3. THE TOP 2'-5" OF THE TRENCH BELOW PAVEMENT SHALL BE BACKFILLED WITH CRUSHER RUN.
4. ALL ROAD SURFACE EDGES SHALL BE SAWED IN A STRAIGHT LINE.
5. SS-1 TACK COAT WILL BE APPLIED AT THE RATE OR 0.1 GAL. PER SQ. YARD OVER THE CONCRETE BASE AND THE EDGES OF THE EXISTING ASPHALT.
6. THE ASPHALT PATCH SHALL BE SMOOTH, FLAT AND EVEN WITH EXISTING ASPHALT SURFACE. ALL JOINTS WILL BE SEALED AFTER PAVING.
7. FOUR (4) INCHES OF CLEAN SAND SHALL BE PLACED OVER THE CONDUIT.
8. BOTTOM OF THE TRENCH SHALL BE LEVEL, A 3" SAND BEDDING WILL BE PLACED AS REQUIRED.
9. TYPICAL TRENCH WIDTH IS 12".

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PLOW TYPICAL

PROJECT: # RM22-611

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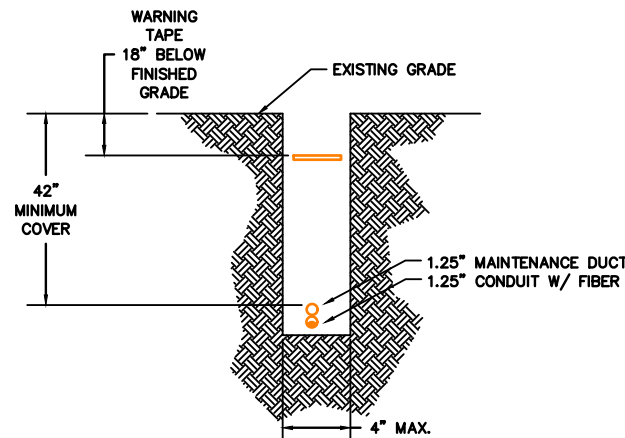
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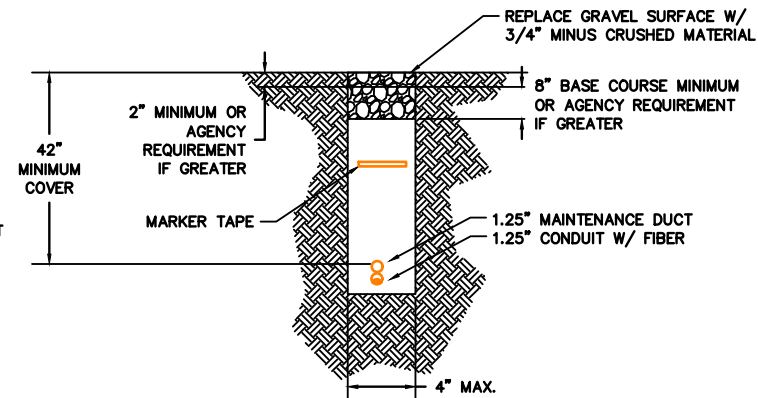


TYPICAL PLOW IN EARTH
N.T.S.



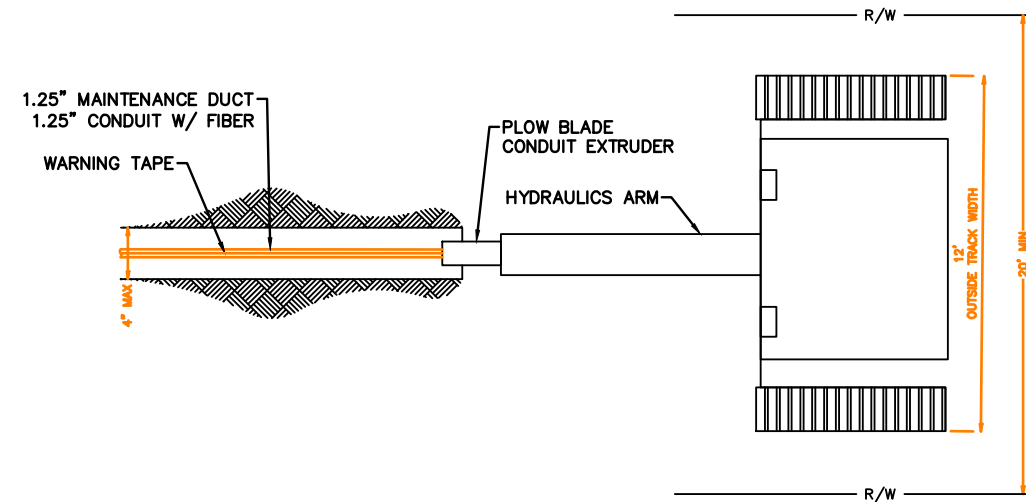
NOTE: BACKFILL WITH NATIVE ROCK FREE MATERIAL OR AS DIRECTED BY CITY COMPACT TO DENSITY REQUIRED BY CITY

TYPICAL PLOW IN GRAVEL
N.T.S.

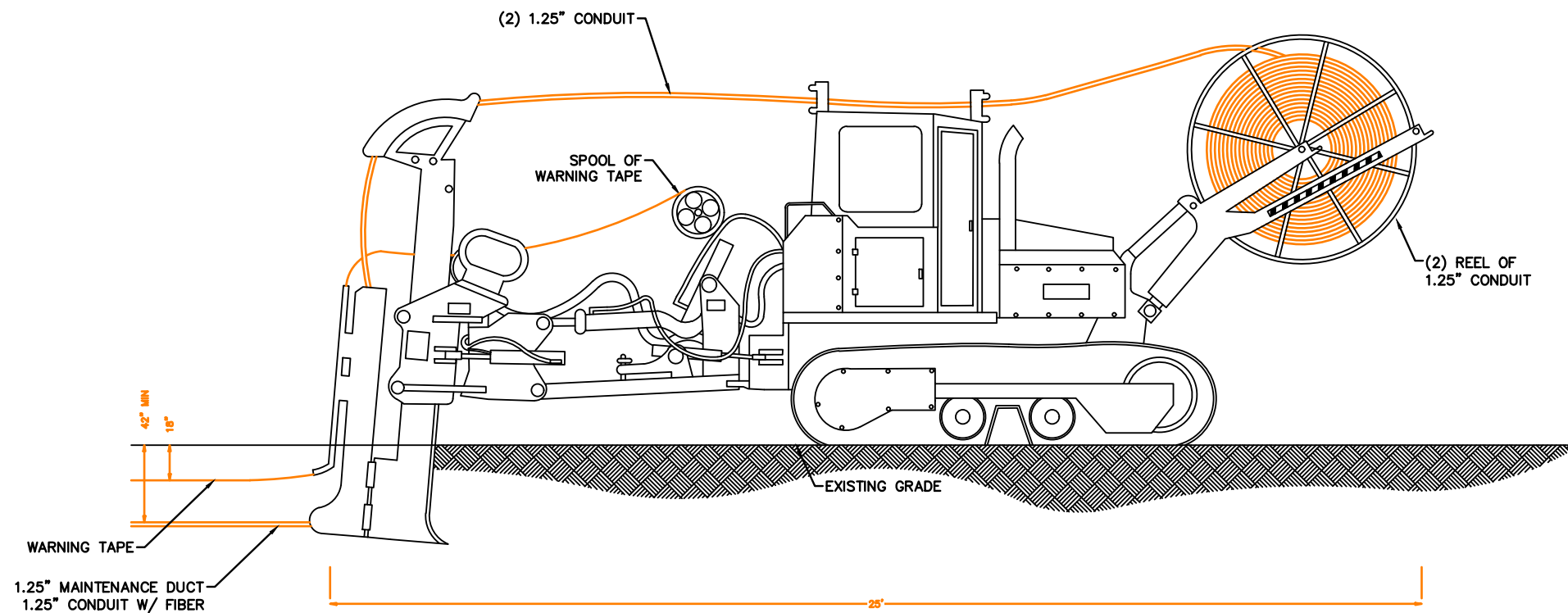


NOTE: BACKFILL WITH NATIVE ROCK FREE MATERIAL OR AS DIRECTED BY CITY COMPACT TO 95%

TYPICAL PLOW AERIAL



TYPICAL PLOW MACHINE



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DWG **PLOW DETAIL**

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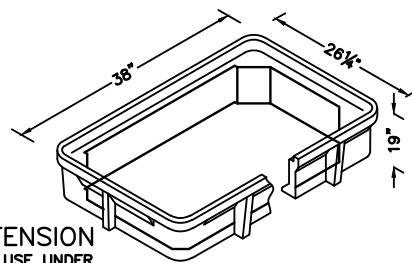
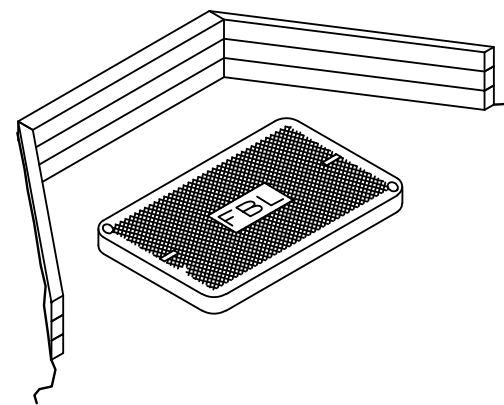
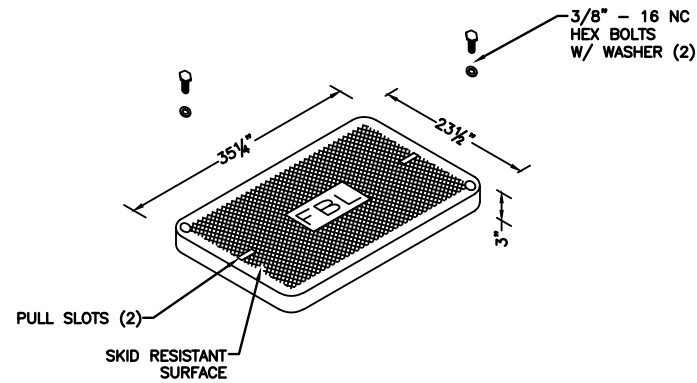
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4360 BELTWAY PL
ARLINGTON, TX 76018



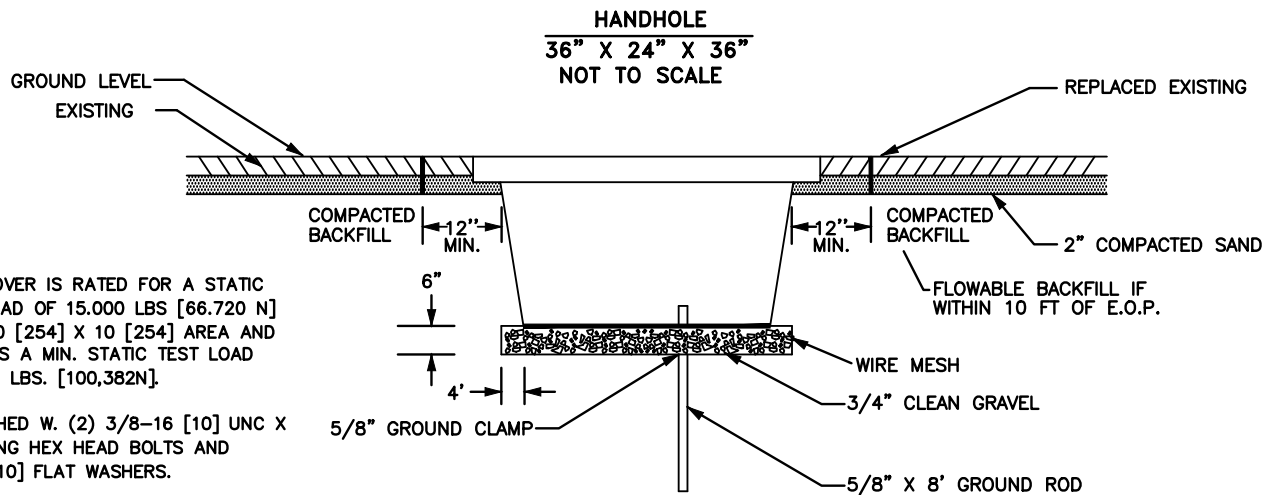
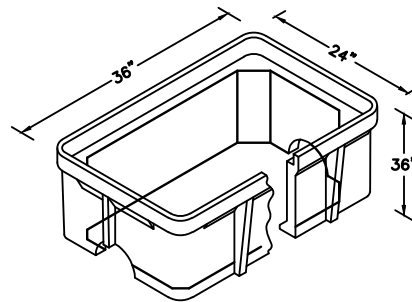
HANDHOLE INSTALLATION IN ASPHALT
CONSTRUCTION NOTES
N.T.S.

CONSTRUCTION NOTES:

- 8" OF GRAVEL SHALL BE PLACED UNDER ENCLOSURE DURING INSTALLATION TO ASSIST IN DRAINAGE.
- TOP OF ENCLOSURE SHALL BE AT GRADE LEVEL.
- JOINTS BETWEEN NEW AND EXISTING ASPHALT SHALL BE SQUARE CUT.
- SAND SHALL BE COMPACTED PRIOR TO PLACEMENT OF ASPHALT.
- NEW ASPHALT SHALL BE PLACED AT EXISTING DEPTH AND STRENGTH.
- ALL FILL AROUND ENCLOSURE SHALL BE COMPACTED IN 6" LAYERS.
- CONSTRUCTION AREA SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.
- HOLE WILL BE CORE DRILLED NOT SAWED AND SEALED WITH CONCRETE.
- HH WILL BE PLACED LEVEL ACROSS THE TOP AND THE GROUND AROUND IT MUST BE SLOPED AND/OR TERRACED WITH LANDSCAPE TIMBERS TO PROVIDE A MINIMUM OF 18" WALK AREA AROUND THE HOLE.
- HH LIDS IF IN A POSSIBLE TRAFFIC AREA MUST MEET OR EXCEED LOAD GRADE 22.
- EXTENSIONS CAN BE ADDED FOR ADDITIONAL DEPTH.
- FLOWABLE FILL MUST BE USED UNDER DIRT IF WITHIN 10 FT OF E.O.P



EXTENSION
(FOR USE UNDER BOX ONLY)



NOTES:

- THIS COVER IS RATED FOR A STATIC DESIGN LOAD OF 15,000 LBS [66.720 N] OVER A 10 [254] X 10 [254] AREA AND MUST PASS A MIN. STATIC TEST LOAD OF 22,568 LBS. [100,382N].
- FURNISHED W. (2) 3/8-16 [10] UNC X 4 [10] LONG HEX HEAD BOLTS AND (2) 3/8 [10] FLAT WASHERS.

CONSTRUCTION NOTES:

- 6" OF GRAVEL SHALL BE PLACED UNDER ENCLOSURE DURING INSTALLATION TO ASSIST IN DRAINAGE.
- ALL FILL AROUND ENCLOSURE SHALL BE COMPACTED IN 10 LAYERS.
- CONSTRUCTION AREA SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.
- HANDHOLE SHALL NOT BE PLACED ON A SLOPE GREATER THAN 15%
- WIRE MESH SHALL BE PLACED UNDER HANDHOLE IN GRAVEL TO DETER RODENT ENTRY.

CONSTRUCTION NOTE
FLOWABLE FILL MUST BE USED UNDER DIRT IF WITHIN 10 FT OF E.O.P.

WEIGHT LOAD: 20K
PART NO. 243636 FRP
BODY: FRP
COVER: POLYMER CONCRETE
MANUFACTURER: MARTIN ENTERPRISES
TEL. 909.967.7910
WWW.MARTINFRP.COM

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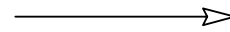
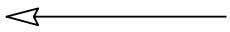
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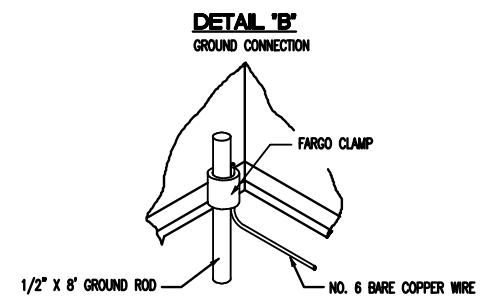
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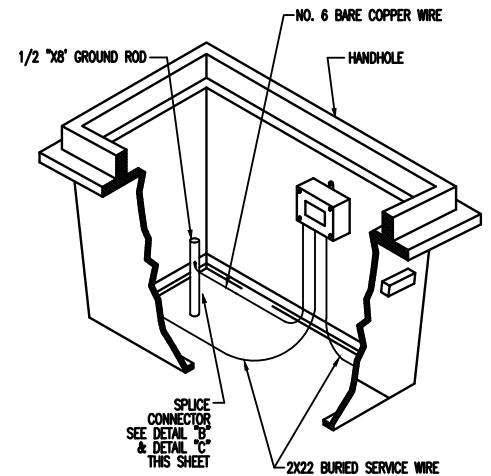
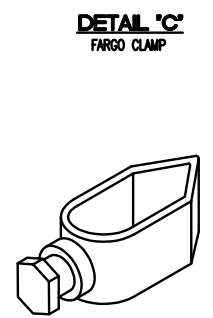
DWG
TYP 2X3 HH



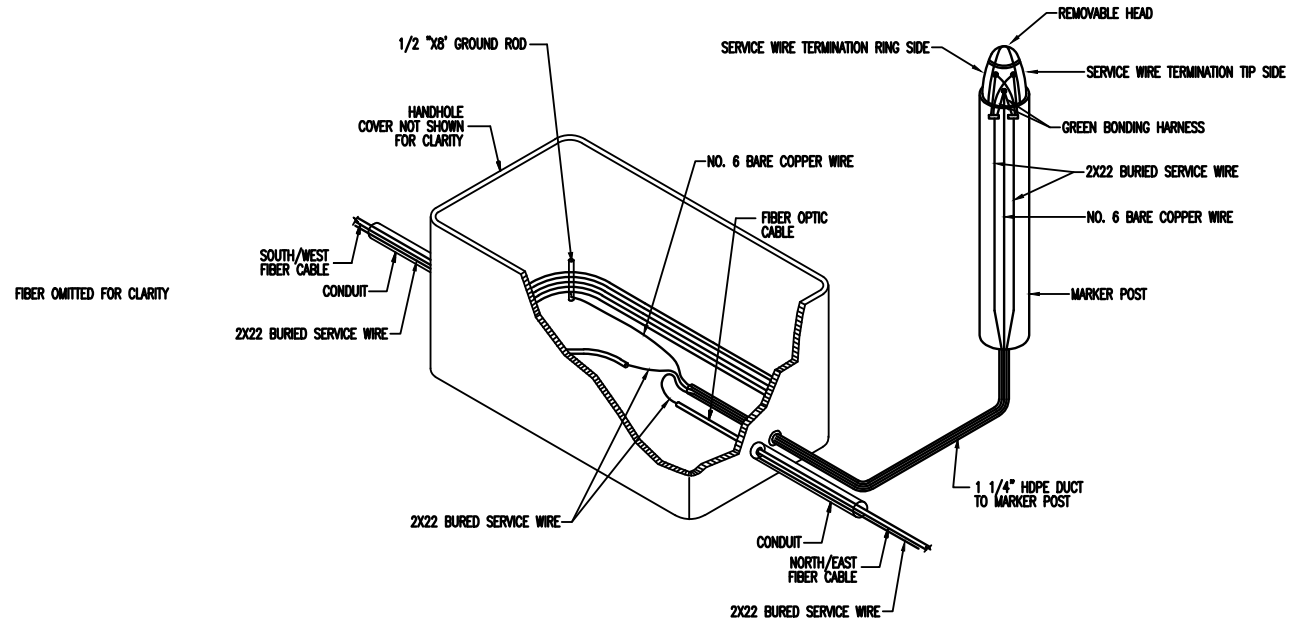
TYPICAL TRACER WIRE TERMINATIONS



NOTE: GROUND ROD TO BE A MAXIMUM OF INCHES ABOVE FLOOR LEVEL OF HANDHOLE



FIBER OMITTED FOR CLARITY



FIBER OMITTED FOR CLARITY

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4360 BELTWAY PL
ARLINGTON, TX 76018



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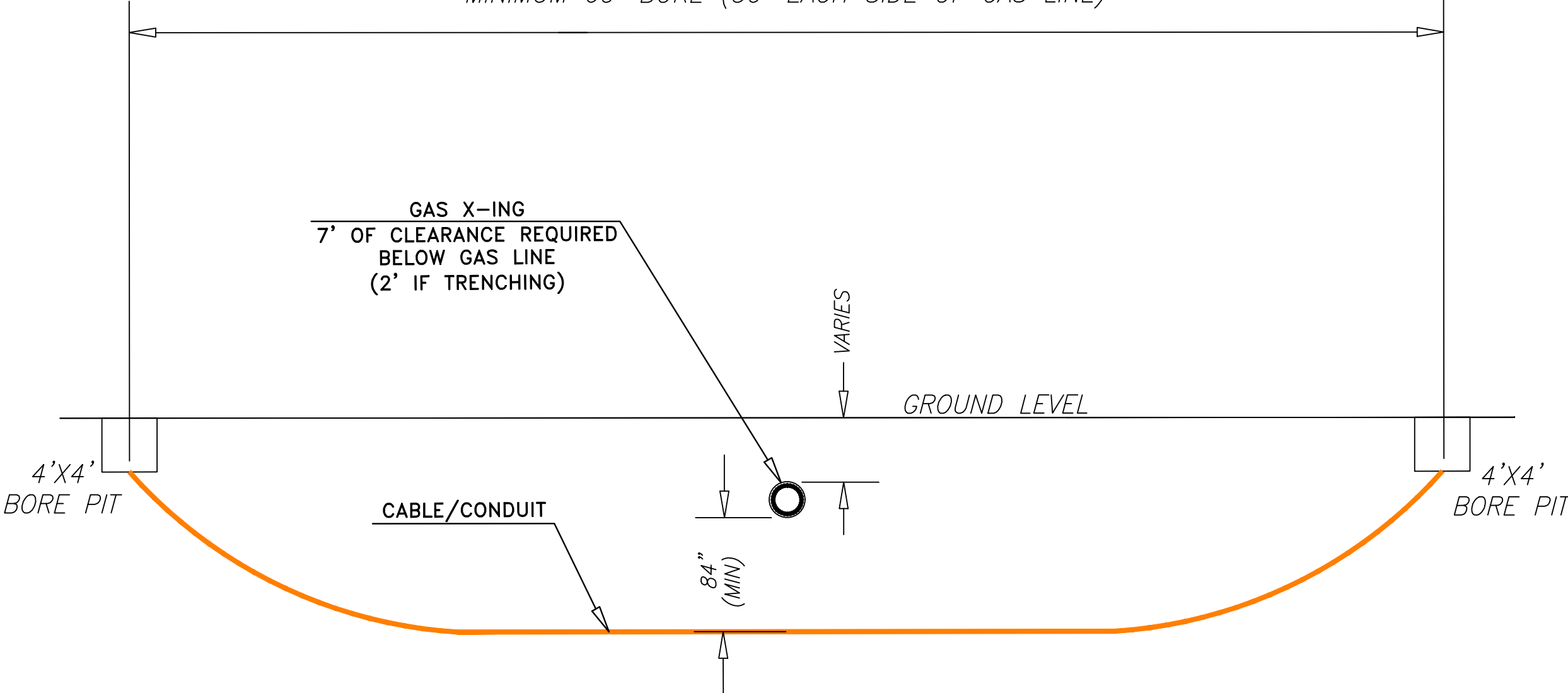
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TYP TRACER WIRE

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GAS PIPELINE CROSSING BORE DETAIL

MINIMUM 60' BORE (30' EACH SIDE OF GAS LINE)



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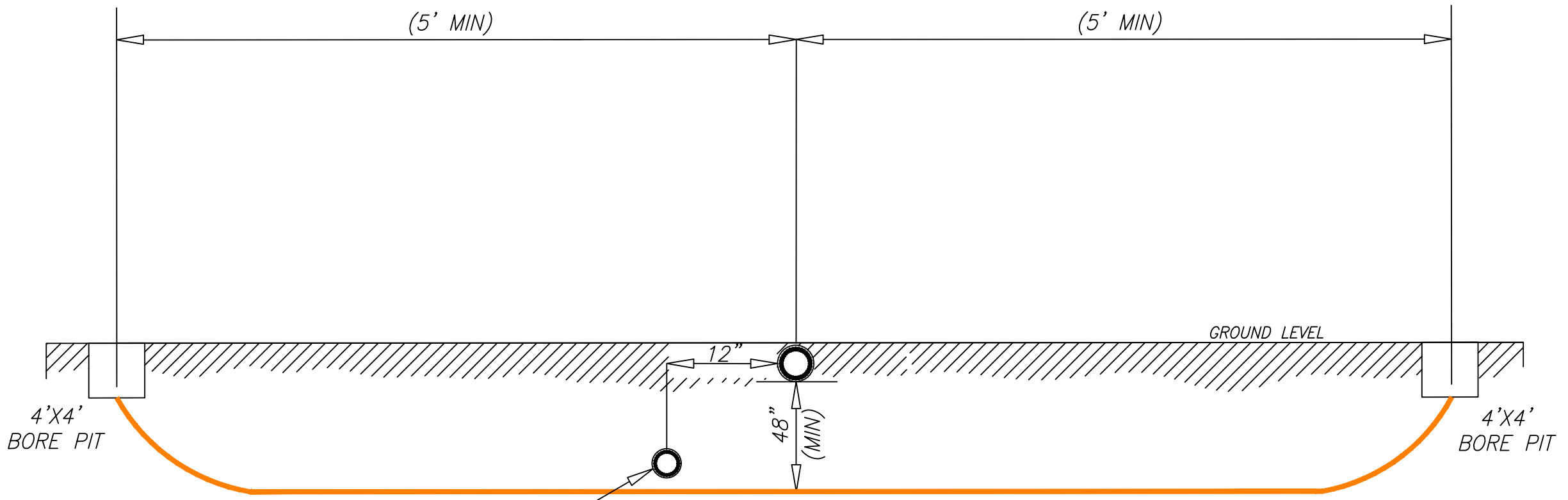
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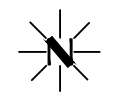
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TYPICAL CULVERT CROSSING BORE DETAIL



PARALLEL BORES
WILL MAINTAIN
MIN 12" SEPARATION

CABLE/CONDUIT
MIN 48" BORE UNDERSIDE
OF CULVERT



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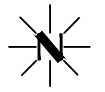
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SCALE	
B SIZE DWG:	NTS
D SIZE DWG:	NTS

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APPROVED:
SHEET:

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PROJECT: # RM22-611

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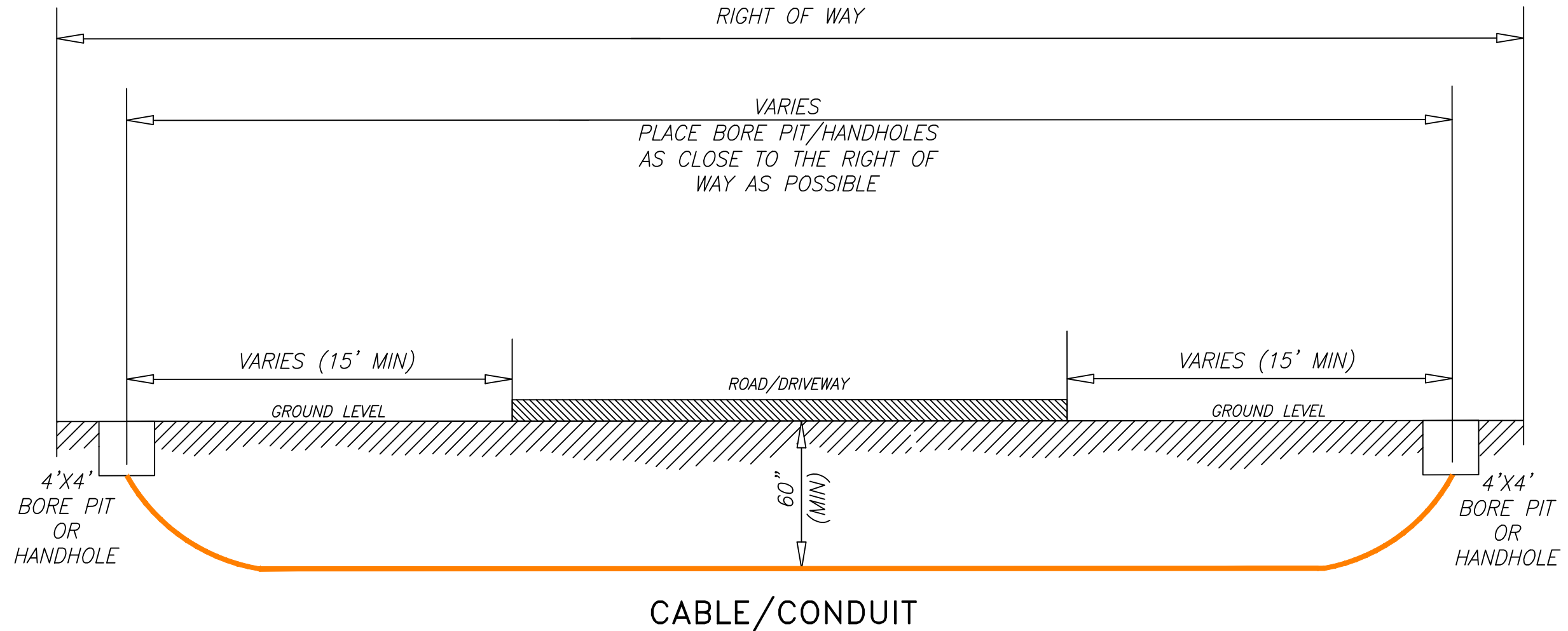
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4360 BELTWAY PL
ARLINGTON, TX 76018



TYPICAL ROAD/DRIVEWAY CROSSING BORE DETAIL



CROSSING UNDER ROADS (1) 4" HDPE
WITH (2) 1-1/4" INNERDUCTS WILL BE PLACED

CROSSING UNDER DRIVEWAYS (2) 1-1/4"
CONDUITS WILL BE PLACED

REVISIONS		
DATE	DESCRIPTION	BY
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4/7/22	DESIGN	KR
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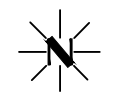
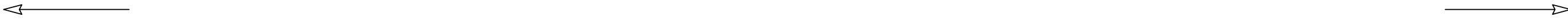
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D SIZE DWG:	NTS

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DWG
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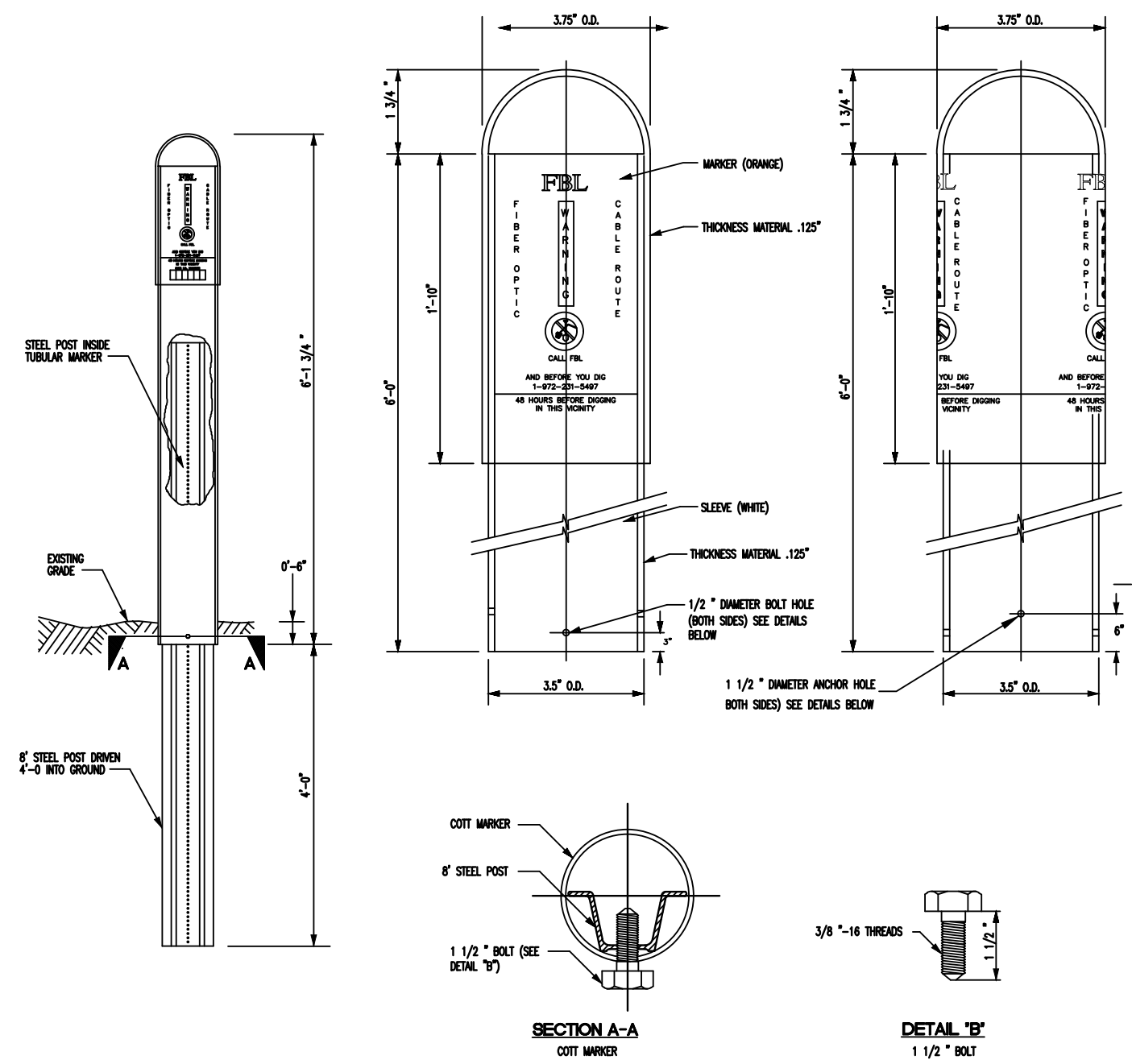
PROJECT: # RM22-611
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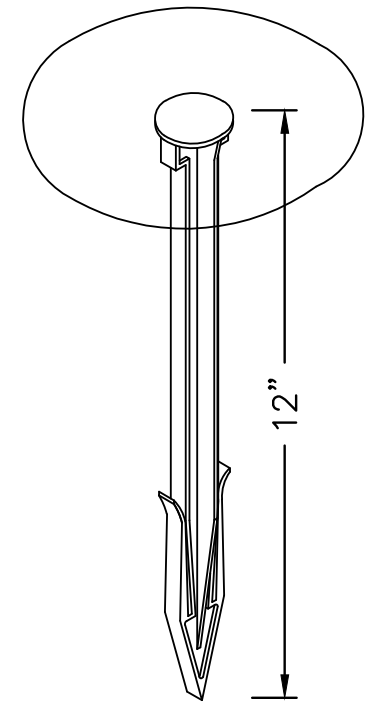
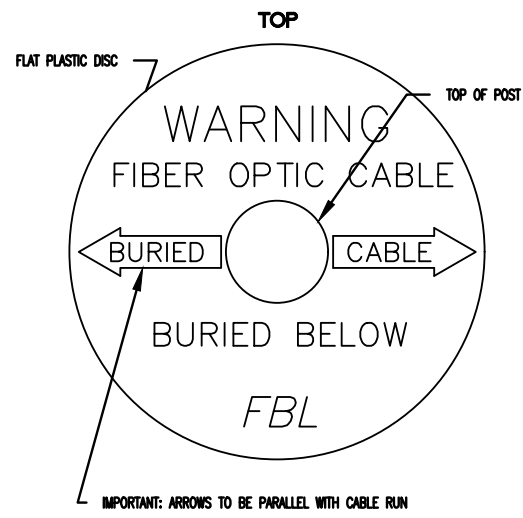
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 FIBERLIGHT LLC
 4360 BELTWAY PL
 ARLINGTON, TX 76018



COTT MARKER INSTALLATION DETAIL



FLAT PLASTIC MARKER



REVISIONS

DATE	DESCRIPTION	BY
2/25/22	CAD	RK
4/7/22	DESIGN	KR
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SCALE
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 D SIZE DWG: NTS

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DWG **CABLE MARKER**

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PROJECT: # RM22-611

SEGMENT #W EL CIBOLO RD-AUCRPO0045C

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FIBERLIGHT LLC
4360 BELTWAY PL
ARLINGTON, TX 76018



421 - HYDRAULIC CEMENT CONCRETE (with required SP 421---024)

SPECIFICATION REQUIREMENTS

1) The following will need to be shown on the plans or require a plan note:

- A coarse aggregate magnesium sulfate soundness loss other than a maximum of 18% (optional)
- If a value less than 1.0% will be used for the maximum decantation for coarse aggregate (optional)
- For all concrete subject to direct traffic if an acid insoluble value less than 60% will be used (optional)
- If blending of fine aggregates to meet the acid insoluble requirement will not be allowed (optional)
- If a sand equivalent of less than 80 will be used (optional)
- For Class K concrete if fineness modulus values outside the range of 2.60 and 2.80 will be allowed (optional)
- If mortar and grout will be used in the project (required)
- Strength requirements for concrete Classes F, H, K, and HES if used (required)
- Coarse aggregate grade for Class K and HES if used (required)

If the responsibility of the contractor is waived regarding furnishing and maintaining: (optional)

- o test molds
- o curing facilities
- o maturity meters if used,
- o wheelbarrow or other container acceptable for the sampling of concrete
- o strength-testing equipment in accordance with the controlling test (ie., compression machine or flexural beam breakers)

If the controlling strength test will not be compressive (optional)

If the contractor will not be responsible for the handling and transportation of test specimens and the cleaning of molds, if needed (optional)

When sulfate resistant concrete is required (required)

TxDOT plant/truck inspection/certification in lieu of NRMCA/professional engineer certification for NON-STRUCTURAL CONCRETE ONLY (optional)

To allow the use of volumetric mixers for structural concrete (optional)

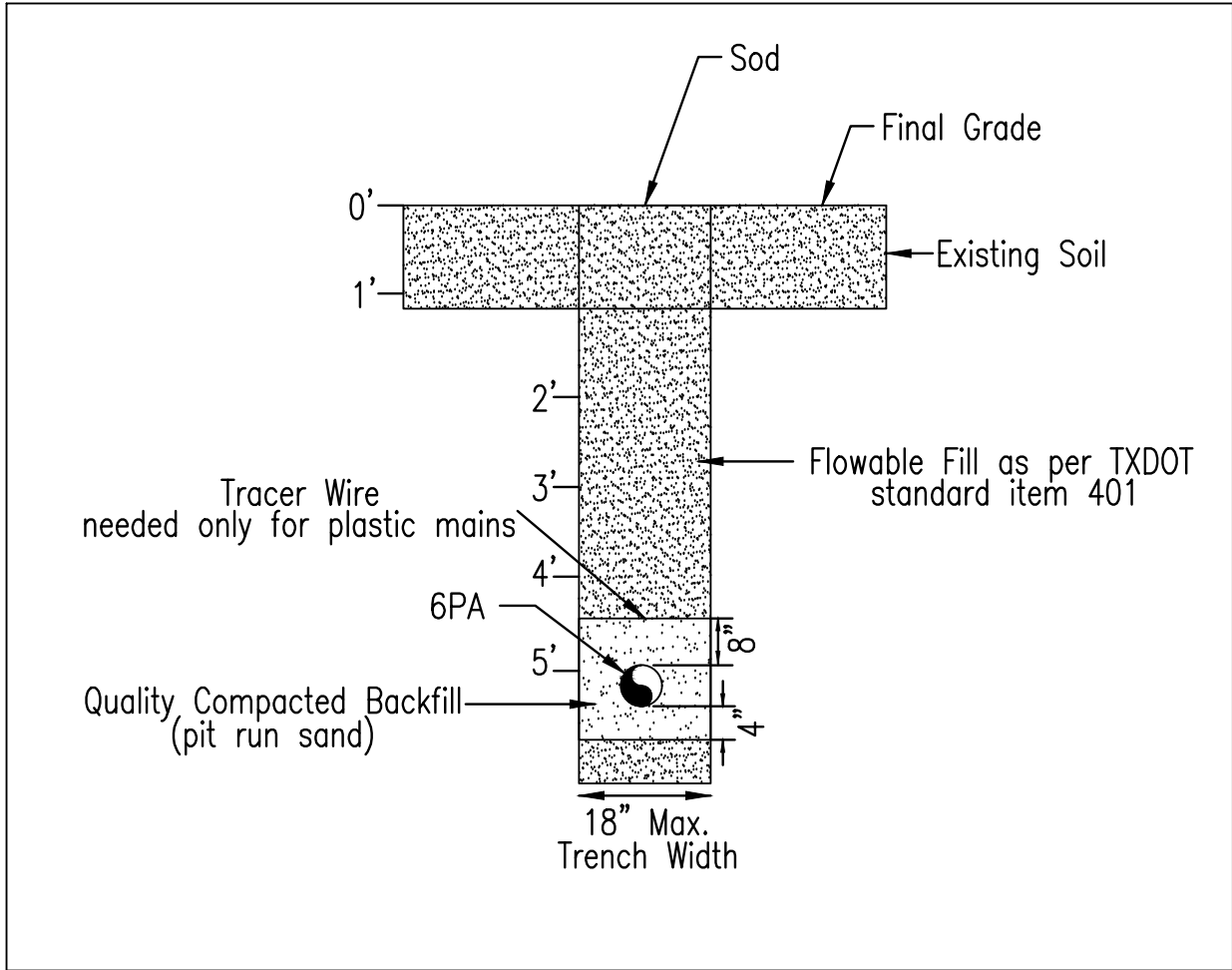
To designate the use of high performance concrete classes: C(HPC), F(HPC), H(HPC), and S(HPC) (required)

Designate an alternate strength over-design requirement other than what is in the specification only for Class K, non-structural concrete and Class C concrete not used for bridge class structures (optional)

Designate dosage rate of corrosion inhibiting admixture if used (required)

To waive air entrainment requirements for all concrete classes or individual concrete classes (already waived for Class B and drilled shaft concrete) (optional - refer to Bridge and Pavement Design Manuals)

To alter target air contents (currently set at 4.0% for pavements and 5.5% for structural concrete) (optional)



Trench Detail For Earth Excavation Only < 10' from Curb

REVISIONS		
DATE	DESCRIPTION	BY
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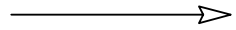
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DWG TRENCH DET2

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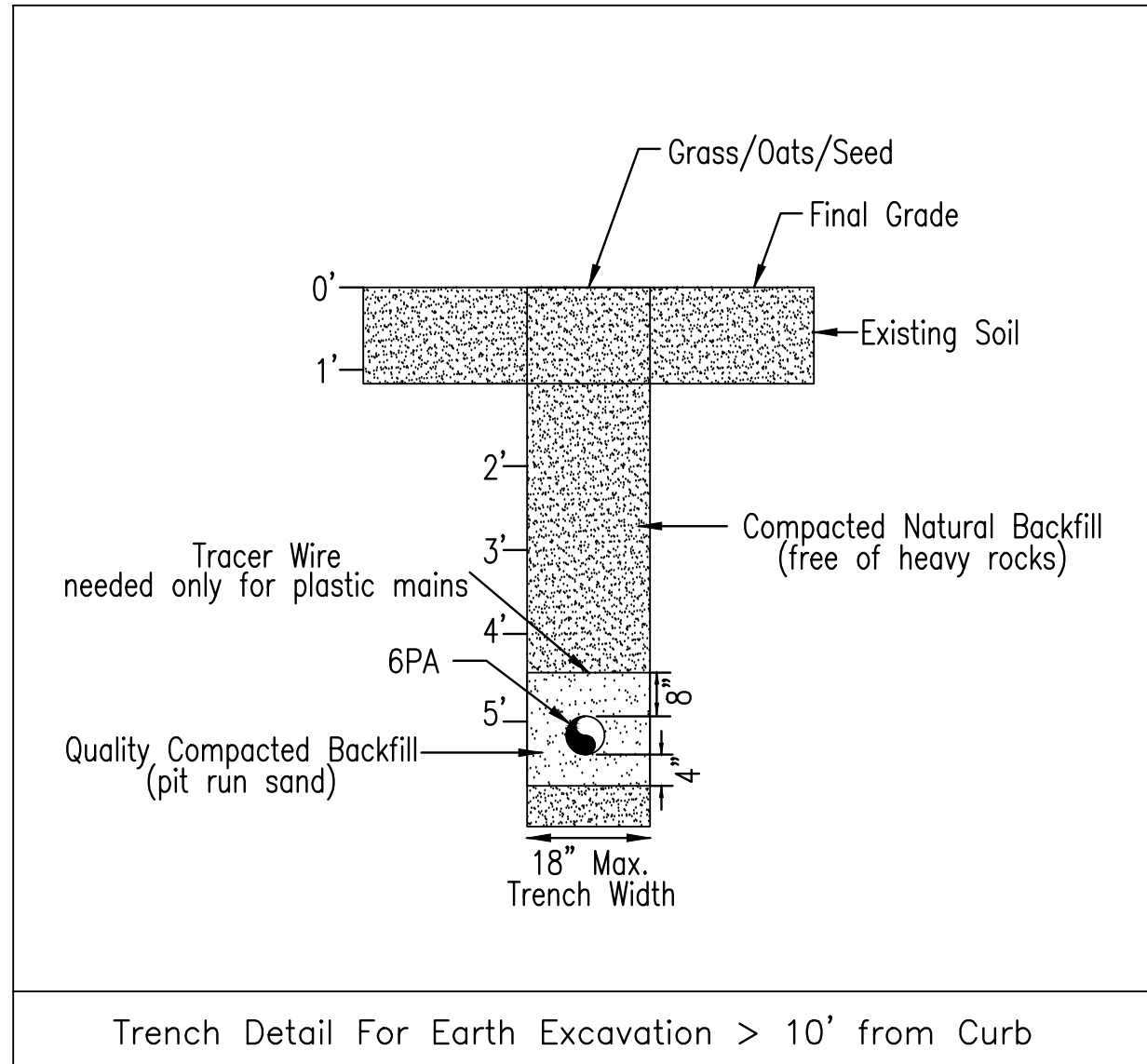
PROJECT: # RM22-611

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FIBERLIGHT LLC
4360 BELTWAY PL
ARLINGTON, TX 76018



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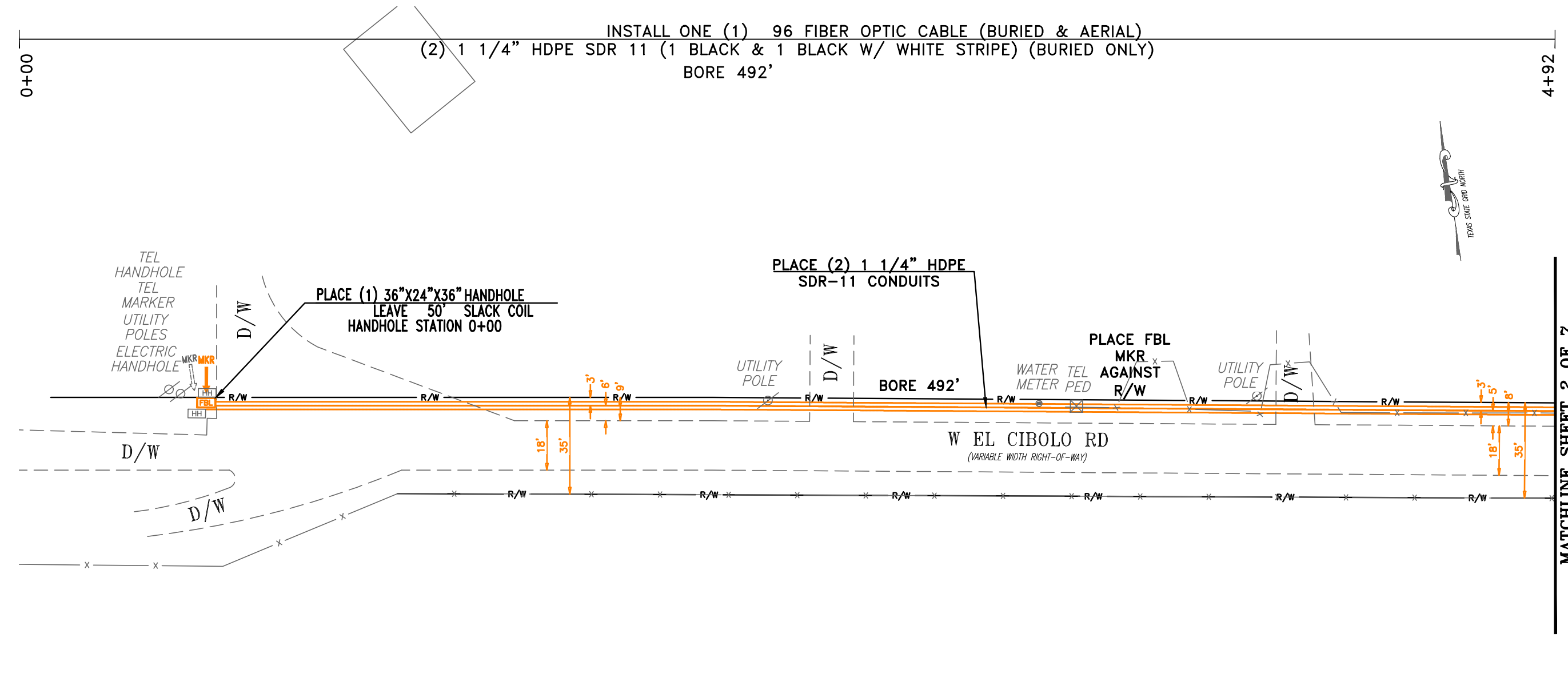
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DWG TRENCH DET3

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MATCHLINE SHEET 2 OF 7

PROJECT: # RM22-611
SEGMENT #W EL CIBOLO RD-AUCRPO0045C

PERMIT
4/11/22

FIBERLIGHT LLC
4360 BELTWAY PL
ARLINGTON, TX 76018



SHEET UNIT TOTALS

REVISIONS		
DATE	DESCRIPTION	BY
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4/7/22	DESIGN	KR
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SCALE
B SIZE DWG: 1" = 40'
D SIZE DWG: 1" = 20'

DATE:
APPROVED:
SHEET: 1 OF 7

DWG **PLAN**

******NOTE******
UTILITY AND ROW REPRESENTED ON PLANS ARE BASED ON RECORDS INFORMATION. NOT BASED ON BOUNDARY SURVEY AND FIELD EXPOSURES

CONTRACTORS NOTE:
ALL UTILITY LOCATIONS ARE APPROXIMATE CONTRACTOR IS RESPONSIBLE FOR EXACT LOCATIONS.

CONSTRUCTION NOTE:
MAINTAIN 18' VERTICAL CLEARANCE OVER DRIVEWAYS AND FIELD ENTRANCES IN TXDOT R/W

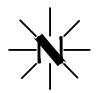
CONSTRUCTION NOTE:
CLEAR BRUSH & TRIM TREES AS NECESSARY FOR AERIAL/BURIED PLACEMENT. CLEAN UP PER TXDOT SPECIFICATIONS.

PLACEMENT NOTE:
BORED SECTIONS WILL EXTEND A MINIMUM OF 5' BEYOND THE EDGE OF CONCRETE PAVEMENT, OR 10' BEYOND THE EDGE OF ASPHALT PAVEMENT (INCLUDING ALL PUBLIC CROSSING STREETS) THIS IS TO INCLUDE ANY ADDITIONAL WIDTH NECESSARY TO CLEAR EXISTING SIDEWALK.

CONSTRUCTION NOTE:
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PLACEMENT NOTE:
ALL DUCT/FIBER TO BE PLACED AT A MINIMUM DEPTH OF 42" WITHIN TXDOT R/W AND A MINIMUM OF 60" BELOW THE TOP OF THE SURFACE OF ALL TXDOT ROADS, PUBLIC STREETS AND DRIVEWAYS.

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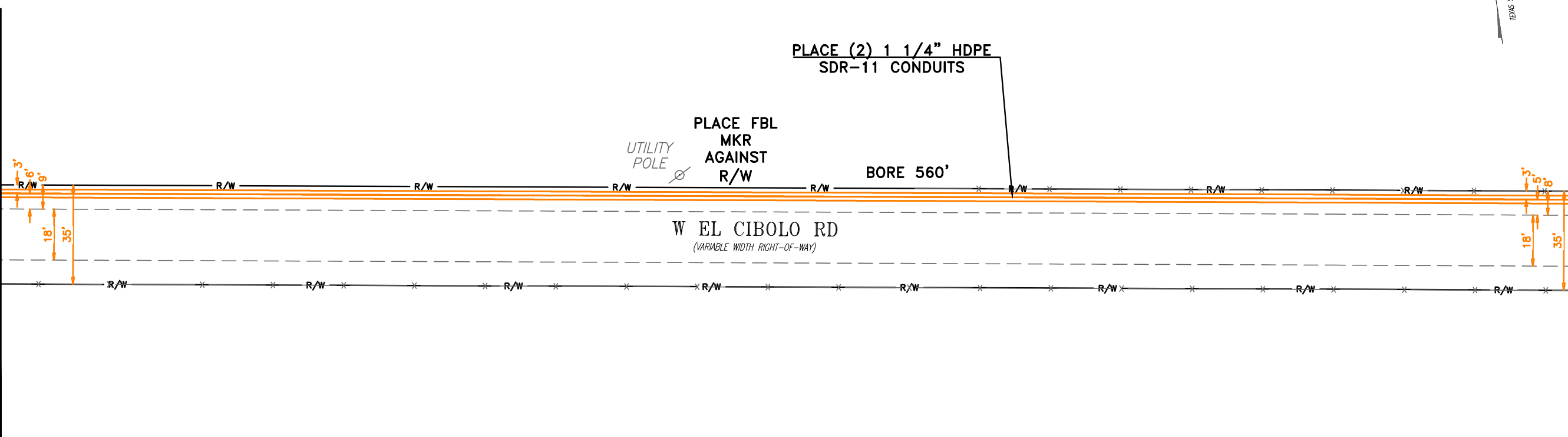
INSTALL ONE (1) 96 FIBER OPTIC CABLE (BURIED & AERIAL)
(2) 1 1/4" HDPE SDR 11 (1 BLACK & 1 BLACK W/ WHITE STRIPE) (BURIED ONLY)
BORE 560'

10+52

16+12

MATCHLINE SHEET 2 OF 7

MATCHLINE SHEET 4 OF 7



PLACE (2) 1 1/4" HDPE
SDR-11 CONDUITS

PLACE FBL
MKR
AGAINST
R/W

BORE 560'

W EL CIBOLO RD
(VARIABLE WIDTH RIGHT-OF-WAY)

PERMIT
4/11/22



FIBERLIGHT LLC
4360 BELTWAY PL
ARLINGTON, TX 76018



SHEET UNIT TOTALS

REVISIONS

DATE	DESCRIPTION	BY
2/25/22	CAD	RK
4/7/22	DESIGN	KR
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SCALE

B SIZE DWG: 1" = 40'
D SIZE DWG: 1" = 20'

DATE:
APPROVED:
SHEET: 3 OF 7

DWG PLAN

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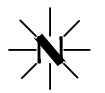
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INSTALL ONE (1) 96 FIBER OPTIC CABLE (BURIED & AERIAL)
(2) 1 1/4" HDPE SDR 11 (1 BLACK & 1 BLACK W/ WHITE STRIPE) (BURIED ONLY)
BORE 560'

PROJECT: # RM22-611

SEGMENT #W EL CIBOLO RD-AUCRPO0045C

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4/11/22



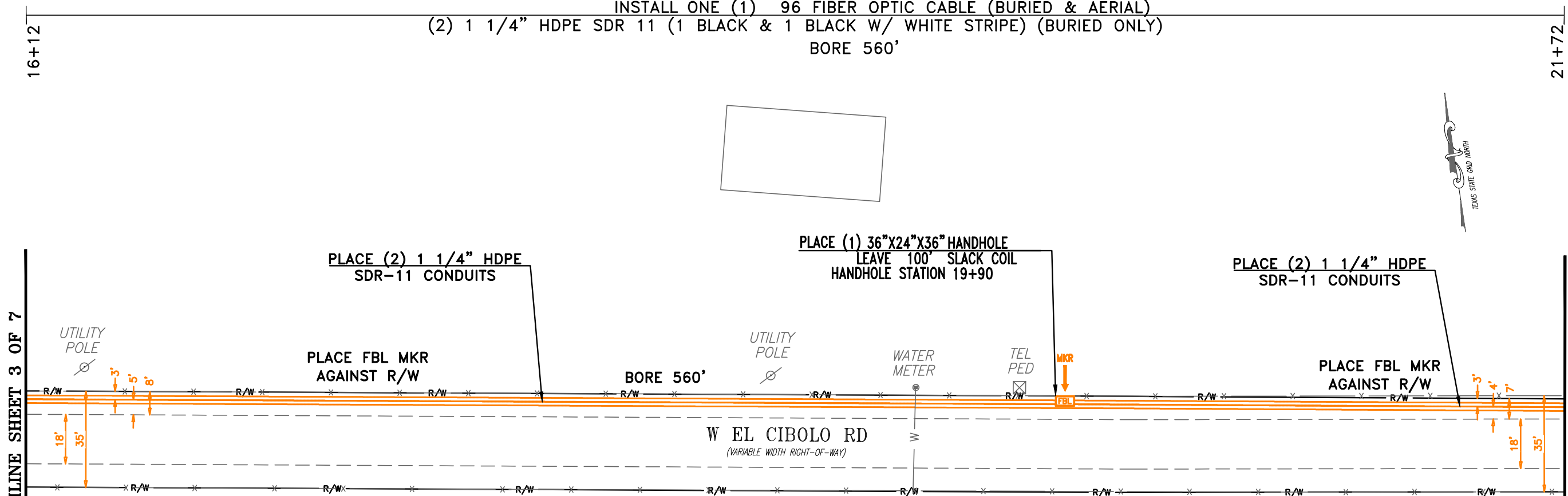
FIBERLIGHT LLC
4360 BELTWAY PL
ARLINGTON, TX 76018



SHEET UNIT TOTALS

MATCHLINE SHEET 3 OF 7

MATCHLINE SHEET 5 OF 7



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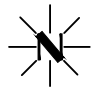
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SCALE
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D SIZE DWG: 1" = 20'

DATE:
APPROVED:
SHEET: 4 OF 7

DWG PLAN

FY:\CLIENT_FILE_DATABASE\FIBERLIGHT\2022\RM22-611_AUCRPO0045C\DRAWINGS\DWG\FIBERLIGHT_Texas_AUCRPO0045C_RM22-611_02-25-22



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BORE 560'

PROJECT: # RM22-611
SEGMENT #W EL CIBOLO RD-AUCRPO0045C

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4/11/22



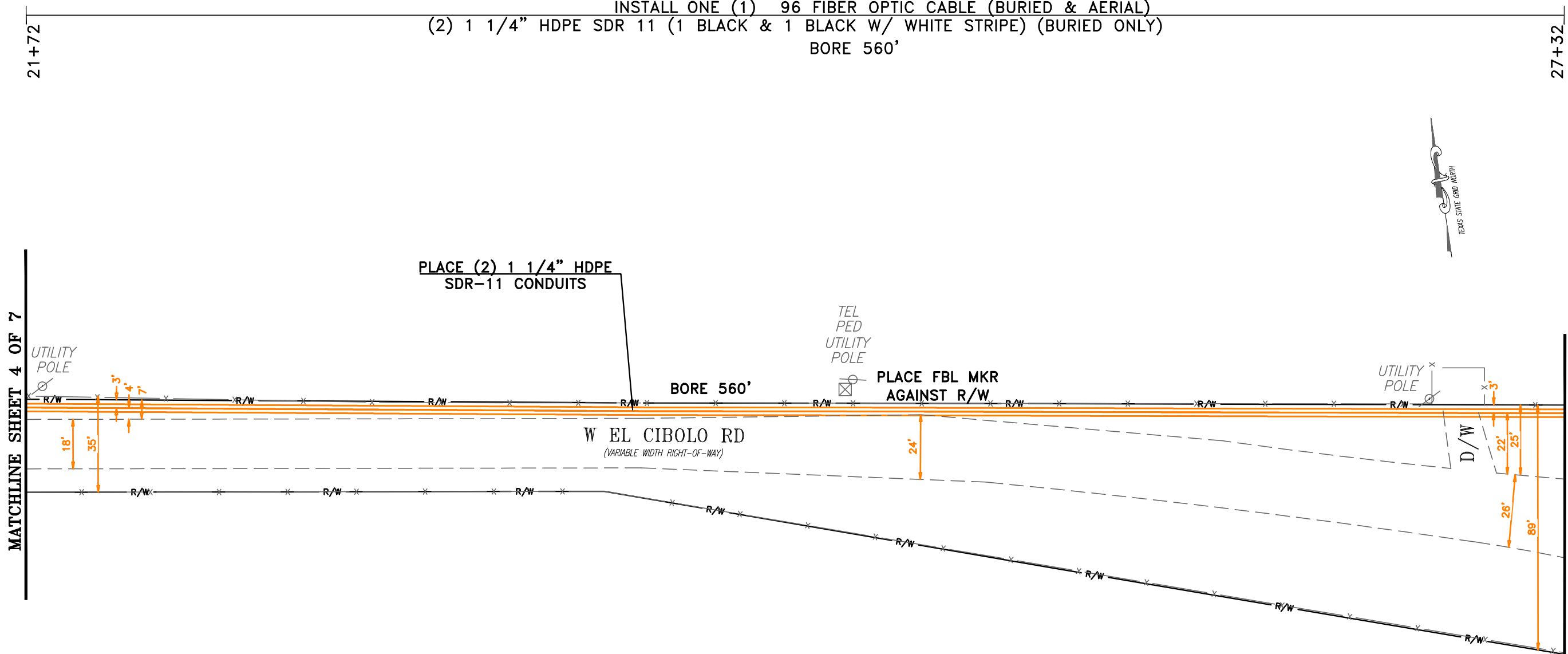
FIBERLIGHT LLC
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ARLINGTON, TX 76018



SHEET UNIT TOTALS

MATCHLINE SHEET 4 OF 7

MATCHLINE SHEET 6 OF 7



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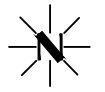
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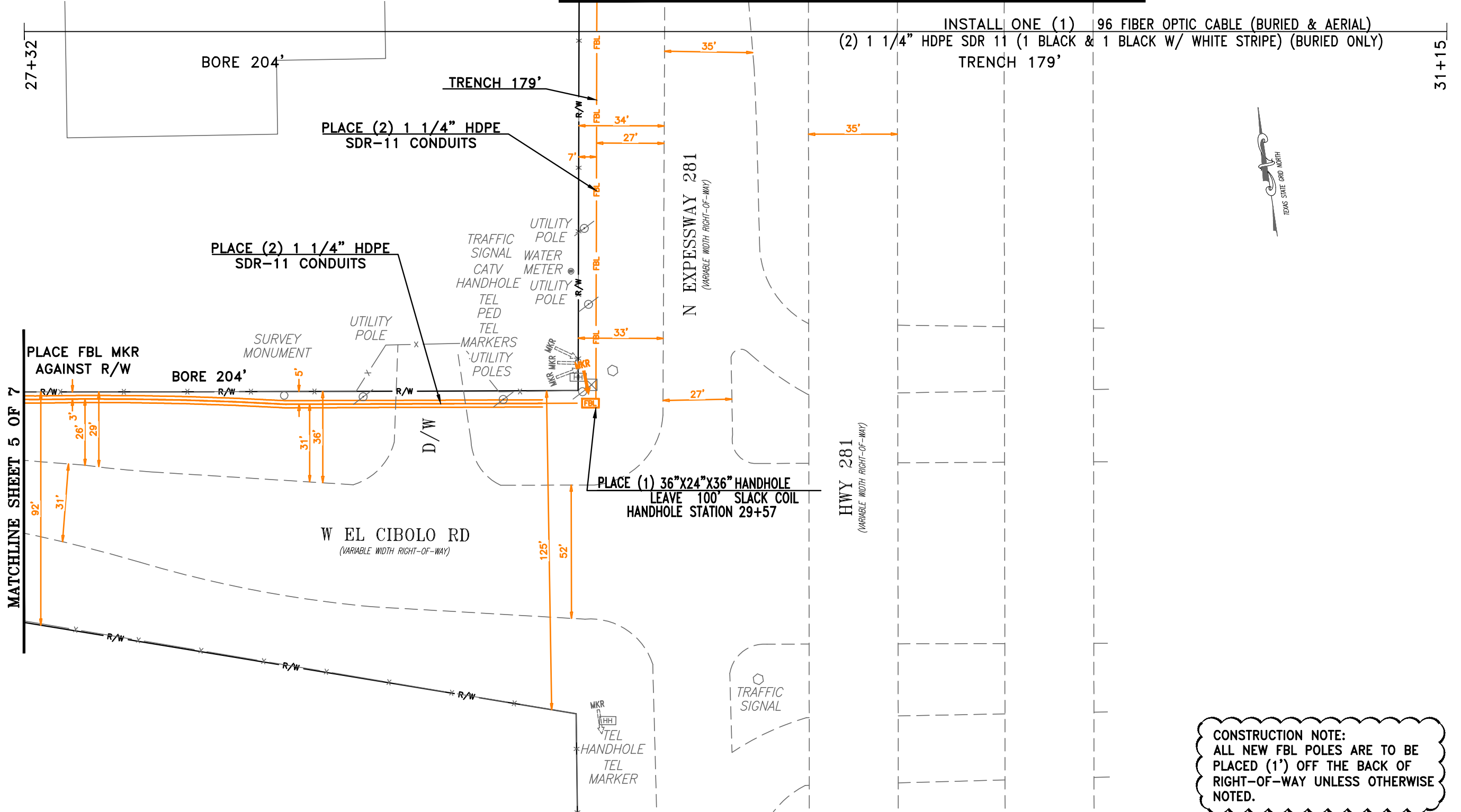
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SHEET: 5 OF 7

DWG **PLAN**

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MATCHLINE SHEET 7 OF 7



INSTALL ONE (1) 96 FIBER OPTIC CABLE (BURIED & AERIAL)
(2) 1 1/4" HDPE SDR 11 (1 BLACK & 1 BLACK W/ WHITE STRIPE) (BURIED ONLY)
TRENCH 179'

PLACE (2) 1 1/4" HDPE SDR-11 CONDUITS

PLACE (2) 1 1/4" HDPE SDR-11 CONDUITS

PLACE FBL MKR AGAINST R/W

PLACE (1) 36"x24"x36" HANDHOLE
LEAVE 100' SLACK COIL
HANDHOLE STATION 29+57

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PROJECT: # RM22-611
SEGMENT #W EL CIBOLO RD-AUCRPO0045C

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4/11/22
FiberLight

FIBERLIGHT LLC
4360 BELTWAY PL
ARLINGTON, TX 76018



SHEET UNIT TOTALS

REVISIONS		
DATE	DESCRIPTION	BY
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4/7/22	DESIGN	KR
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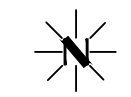
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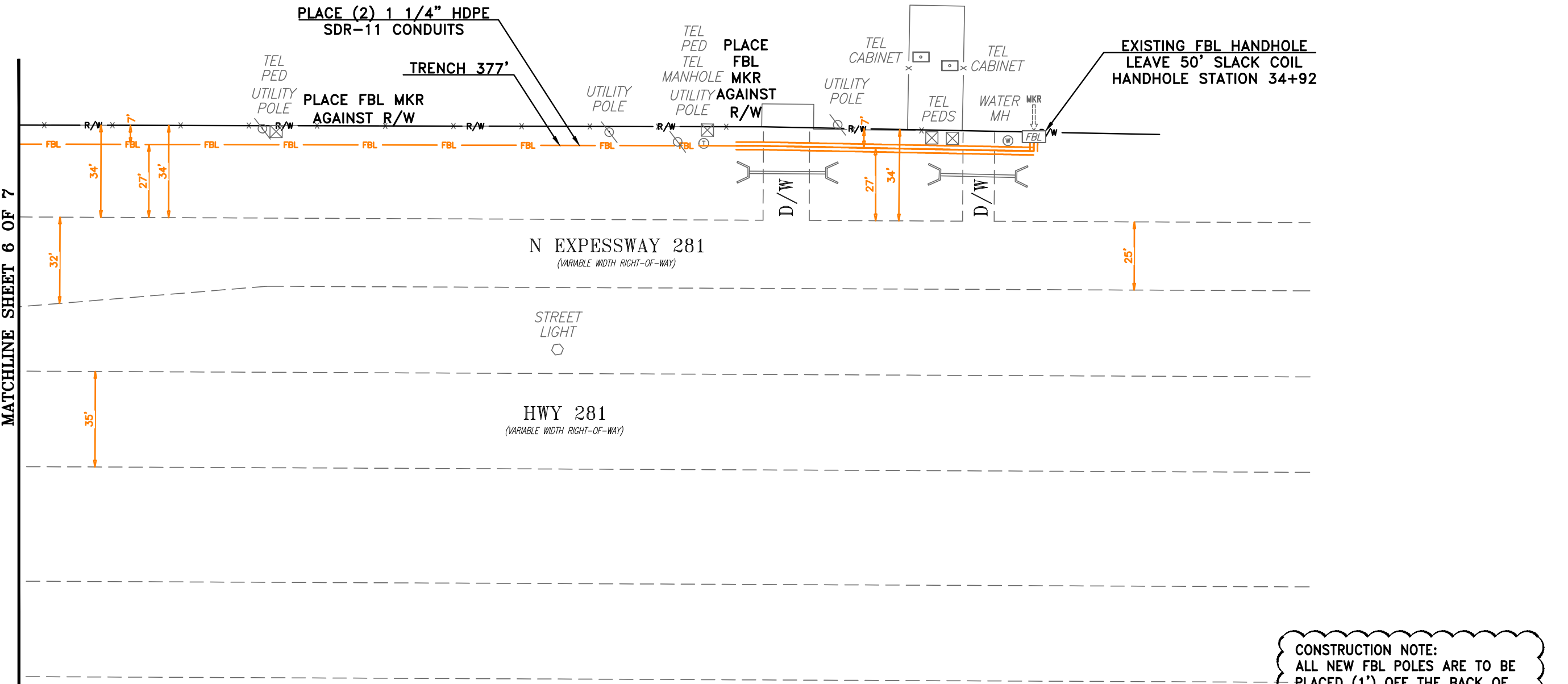
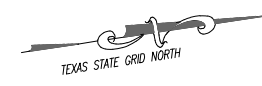
DATE:
APPROVED:
SHEET: 6 OF 7

DWG PLAN

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31+15
 INSTALL ONE (1) 96 FIBER OPTIC CABLE (BURIED & AERIAL)
 (2) 1 1/4" HDPE SDR 11 (1 BLACK & 1 BLACK W/ WHITE STRIPE) (BURIED ONLY)
 TRENCH 377'
 34+92



MATCHLINE SHEET 6 OF 7

PROJECT: # RM22-611
 SEGMENT #W EL CIBOLO RD-AUCRPO0045C

PERMIT
 4/11/22

FIBERLIGHT LLC
 4360 BELTWAY PL
 ARLINGTON, TX 76018



SHEET UNIT TOTALS

DATE	DESCRIPTION	BY
2/25/22	CAD	RK
4/7/22	DESIGN	KR
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REVISIONS

DATE	DESCRIPTION	BY
2/25/22	CAD	RK
4/7/22	DESIGN	KR
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EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF FIBERLIGHT BEING ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION.

SCALE
 B SIZE DWG: 1" = 40'
 D SIZE DWG: 1" = 20'

DATE:
 APPROVED:
 SHEET: 7 OF 7

DWG PLAN

****NOTE****
 UTILITY AND ROW REPRESENTED ON PLANS ARE BASED ON RECORDS INFORMATION. NOT BASED ON BOUNDARY SURVEY AND FIELD EXPOSURES
 CONTRACTORS NOTE:
 ALL UTILITY LOCATIONS ARE APPROXIMATE CONTRACTOR IS RESPONSIBLE FOR EXACT LOCATIONS.

CONSTRUCTION NOTE:
 MAINTAIN 18' VERTICAL CLEARANCE OVER DRIVEWAYS AND FIELD ENTRANCES IN TXDOT R/W

CONSTRUCTION NOTE:
 CLEAR BRUSH & TRIM TREES AS NECESSARY FOR AERIAL/BURIED PLACEMENT. CLEAN UP PER TXDOT SPECIFICATIONS.

PLACEMENT NOTE:
 BORED SECTIONS WILL EXTEND A MINIMUM OF 5' BEYOND THE EDGE OF CONCRETE PAVEMENT, OR 10' BEYOND THE EDGE OF ASPHALT PAVEMENT (INCLUDING ALL PUBLIC CROSSING STREETS) THIS IS TO INCLUDE ANY ADDITIONAL WIDTH NECESSARY TO CLEAR EXISTING SIDEWALK.

CONSTRUCTION NOTE:
 ALL NEW FBL POLES ARE TO BE PLACED (1') OFF THE BACK OF RIGHT-OF-WAY UNLESS OTHERWISE NOTED.

PLACEMENT NOTE:
 ALL DUCT/FIBER TO BE PLACED AT A MINIMUM DEPTH OF 42" WITHIN TXDOT R/W AND A MINIMUM OF 60" BELOW THE TOP OF THE SURFACE OF ALL TXDOT ROADS, PUBLIC STREETS AND DRIVEWAYS.

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