

24.0P.048

NOTICE OF PROPOSED UTILITY WORK IN WALLER COUNTY RIGHT-OF-WAY

Formal notice is hereby given that AT&T COMMUNICATIONS (utility contractor) proposes to place a

FIBER OPTIC CABLE within the right-of-way of HEBERT & PATTISON RD as follows:
(street)

Provide details for location, length, construction method, design (i.e. the dimensions from ROW line, edge of curb or pavement), etc.

PLACING 27,094 FEET OF FIBER OPTIC CABLE IN 1.25" HDPE INNERDUCT AT EXISTING HAND HOLE LOCATED 10,568' SOUTH
OF HEBERT RD C/L.

The UTILITY will be constructed and maintained on the road right-of-way as directed by Waller County Road & Bridge in accordance with governing laws. Our firm further understands that the County considers proper traffic control measures as those complying with applicable portions of the Texas Manual on Uniform Traffic Control Devices required for adoption by the "Transportation Code" (Ch 251).

The location and description of the proposed work and appurtenances is more fully shown by a PDF drawing and traffic control attached to this notice.

Construction is proposed to begin on or after the 16TH day of SEPTEMBER, 20 24.

Firm: ANSCO & ASSOCIATES, LLC

Address: 11335 CUTTEN ROAD

By: DAGEMAWI YOHANNES

HOUSTON, TX 77066-3705

Signature: _____

Phone: 310-808-8204

Title: _____

Email: DAGEMAWI.YOHANNES@ANSCOLLCC.COM

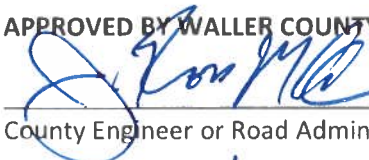
APPROVAL

This application is hereby approved subject to the following understandings and restrictions.

It is expressly understood that the said Waller County does not hereby imply to grant any right, claim, title or easement in or upon this County Road; and it is further understood that in the future, should Waller County, for any reason, need to work, improve, relocate, widen, increase, add to, decrease, or in any manner change the structure of this road or right-of-way, this line, if affected, will be moved at the direction of the Waller County Engineer or Road Administrator with thirty (30) days written notice.

This installation work shall not damage any part of the roadway and adequate provisions shall be made to cause a minimum of inconvenience to traffic and adjacent property owners. Permit shall be effective upon acceptance date of Formal Notice presentation in Commissioners Court, for a duration of one (1) year, with the opportunity of a six (6) month extension after a written request is sent and approved by the County Engineer.

APPROVED BY WALLER COUNTY ROAD & BRIDGE DEPT.


County Engineer or Road Administrator

Date

9.19.24

Traffic Controls Required: (Y) N

Traffic Controls Reviewed By: RJPG

Bond: Y (N) Bond Amount (\$): _____

Floodplain Dev. Permit Required: Y (N)

Permit #: _____ Precinct #: 3

R&B Inspector: ROBERT J. JOODSPEED

Waller County Road & Bridge Department

775 Business 290 East, Hempstead, TX 77445 Phone (979) 826-7670

R:\Construction Inspection\Forms\Waller County Utility Installation and NOTICE.docx

Rev. 082023.1

**PERMIT TO CONSTRUCT UTILITY
IN WALLER COUNTY RIGHT-OF-WAY**

ROAD: **Hebert & Pattison Rd**

DATE: **09/19/2024**

To: AnSCO & Associates, LLC
 [AT&T Communications]
 11335 Cutten Rd.
 Houston, TX 77066-3705
 Permit # 24.UP.048

The location on the right-of-way of your proposed buried line as shown by the accompanying notice dated **09/19/2024** is approved.

Your attention is directed to Art. 1436A (for power lines) and Art. 1416 (for communication lines) Vernon's Annotated Texas Civil Statutes with particular attention to the following provisions:

1. The Court Commission may designate the place along the right-of-way where such lines shall be constructed.
2. Emplacement of buried lines shall be a minimum of 36 inches below the flow line of the existing ditch. For installations parallel to the right-of-way, the utility shall be located within three (3) feet of the edge of the right-of-way, unless otherwise approved by the County.
3. All placement of lines beneath roadways and asphalt or concrete paved driveways shall be jacked or bored. No open cut will be allowed within five feet of the edge of roadways or such driveways. Open cuts on unpaved driveways shall be performed only with a trenching machine and shall not be excavated. In such cases the trench shall be backfilled and compacted. The driveway surface shall be restored to its original condition. Any variance to these requirements shall have the Commissioners' Court approval.
4. All buried water lines shall be marked thoroughly with detectable tracer wire. All other lines shall be marked thoroughly with detectable underground warning tape. Public to be safe-guarded by use of construction signs and barricades. Identification markers shall be placed along right-of-way lines, that is readily identifiable, indicating name of Company, type of line and emergency contact number.
5. Restore roads to their original condition. Trench is to be back-tracked, dragged, graded and filled as necessary to minimize erosion and sedimentation resulting from the proposed installation. Ditches are to be left clear for drainage.
6. The Court Commission may require the owner to relocate this line, for valid reasons under the law by giving thirty (30) days written notice.

The contractor must notify the County Engineer at (979) 826-7670, forty-eight (48) hours prior to starting construction of the line in order that we may have a representative present. An inspection of the line installation is required prior to backfilling the excavation to confirm proper cover depth.

SPECIAL PROVISIONS:

WALLER COUNTY COMMISSIONERS' COURT

Carbett "Trey" J. Duhon III, County Judge

It is ORDERED by the Court on motion by Commissioner _____, duly seconded by Commissioner _____, that the above and foregoing request be and the same is hereby approved, with _____ members present voting in favor and _____ members present voting opposed. The County Engineer is authorized to comply with the above requests.

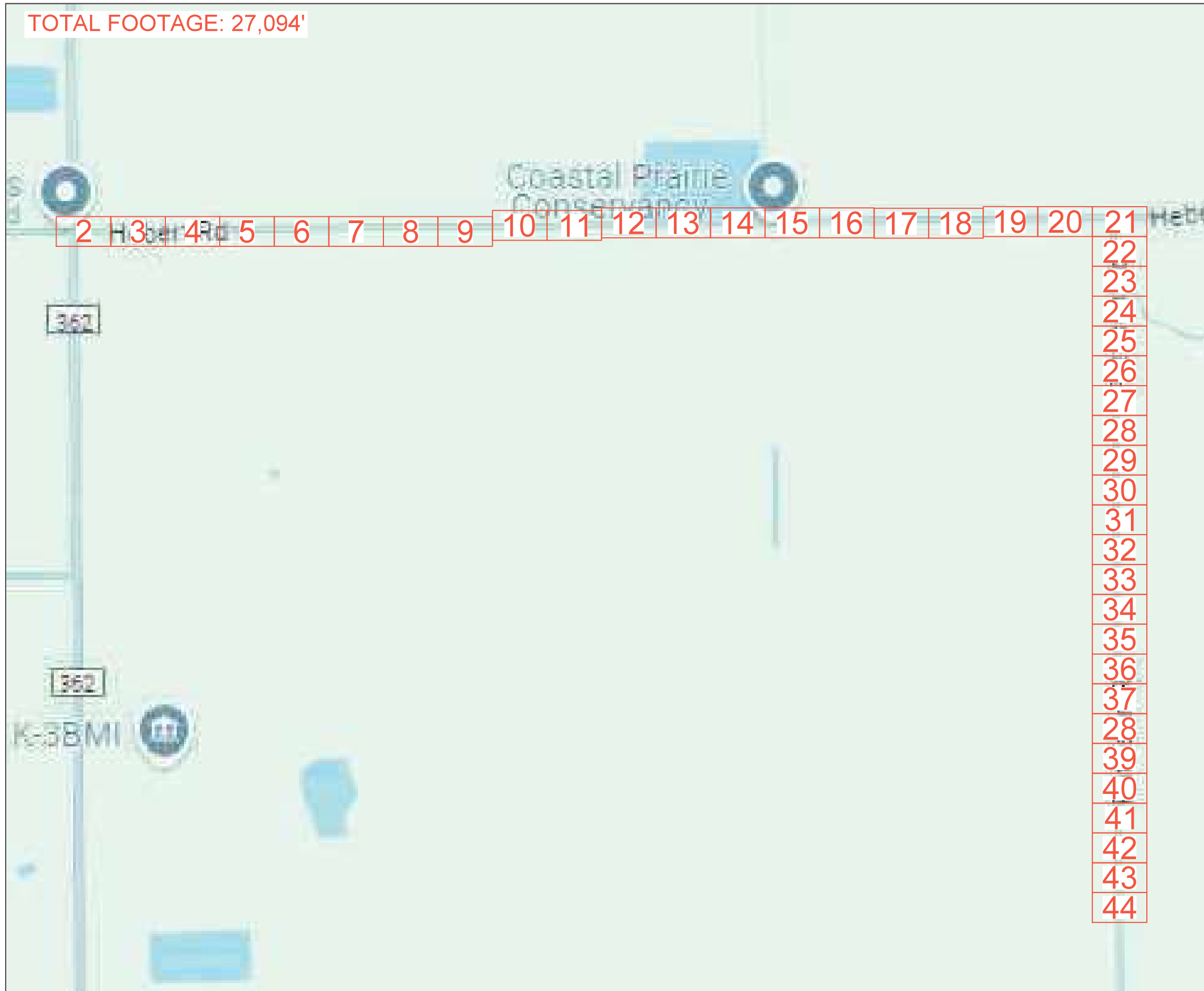
Date

Debbie Hollan, County Clerk

Deputy

COVER SHEET

TOTAL FOOTAGE: 27,094'



AT&T INSTALLATION
8992 PATTISON RD
KATY, TX 77493
WALLER COUNTY
SECTIONS:

HOMEOWNERS, RESIDENTS,
AND HOAs ARE TO BE
NOTIFIED AT LEAST 3 DAY
IN ADVANCE PRIOR TO
CONSTRUCTION

REV:	00	REVDATE:	09.03.2024		
PROJECT DESIGNATED ADDRESS:			A02WEB4 NOT TO SCALE		
8992 PATTISON RD KATY, TX 77493					
DRAWING NAME:					
A02WEB4 -BYERS-8992 PATTISON RD					
ENGINEER ID:	PM286C	BYERS ENGINEER:	FREDDY RODRIGUEZ		
		Note: applicant's exemption from providing an engineer's seal to proposed plans, drawings & other documents per Texas Board of Professional Engineers and Land Surveyors exemptions for cost below threshold. https://pels.texas.gov/downloads/TBPELSDiagrammatic.pdf and per Occupations Code Title 6. https://statutes.capitol.texas.gov/docs/OC/htm/OC.1001.htm for telecom purposes.			
13430 NW FWY, SUITE 250, HOUSTON, TX 77040-6020 (713) 574-2742					
DRAWN BY:	GARDHIL A. CAYBIN		PRINT:	1	OF: 44

CONSTRUCTION SPECIFICATIONS

1. NO MORE TRENCH OPENED AT ONE TIME THAN CAN BE BACKFILLED AND COMPACTED IN 10" LIFTS AT END OF EACH WORK DAY. (NO TRENCH LEFT OPEN OVERNIGHT).
2. ALL EXCESS EXCAVATION TO BE REMOVED FROM ROAD RIGHT-OF-WAY AT THE END OF EACH WORK DAY.
3. OPEN DITCHES TO BE OPENED AT THE END OF EACH DAY TO ASSURE ADEQUATE DRAINAGE.
4. ROAD MUST BE KEPT OPEN TO TRAFFIC AND CONTRACTOR MUST PROVIDE ADEQUATE FLAGMEN, SIGNS, SIGNALS, ETC. TO PROVIDE COMPLETE SAFETY TO THE PUBLIC.
5. IF IT BECOMES NECESSARY FOR EQUIPMENT TO OPERATE ON A PORTION OF THE PAVEMENT, PRECAUTIONS SHOULD BE TAKEN TO PREVENT ANY DAMAGE WHATSOEVER TO THE PAVEMENT.
6. CONDITION OF ROADUPON COMPLETION OF JOB SHALL BE AS GOOD OR BETTER THAN PRIOR TO STARTING.
7. MIN DEPTH TO TOP OF CABLE OR CONDUIT IS TO BE 36" BELOW CROWN OF ROAD AND 36" BELOW ANY ROADSIDE OPEN DITCH.

LEGEND

PROPOSED AT&T
BURIED PLACEMENT

PROPOSED AT&T
FIBER HAND HOLE



PROPOSED PEDESTAL



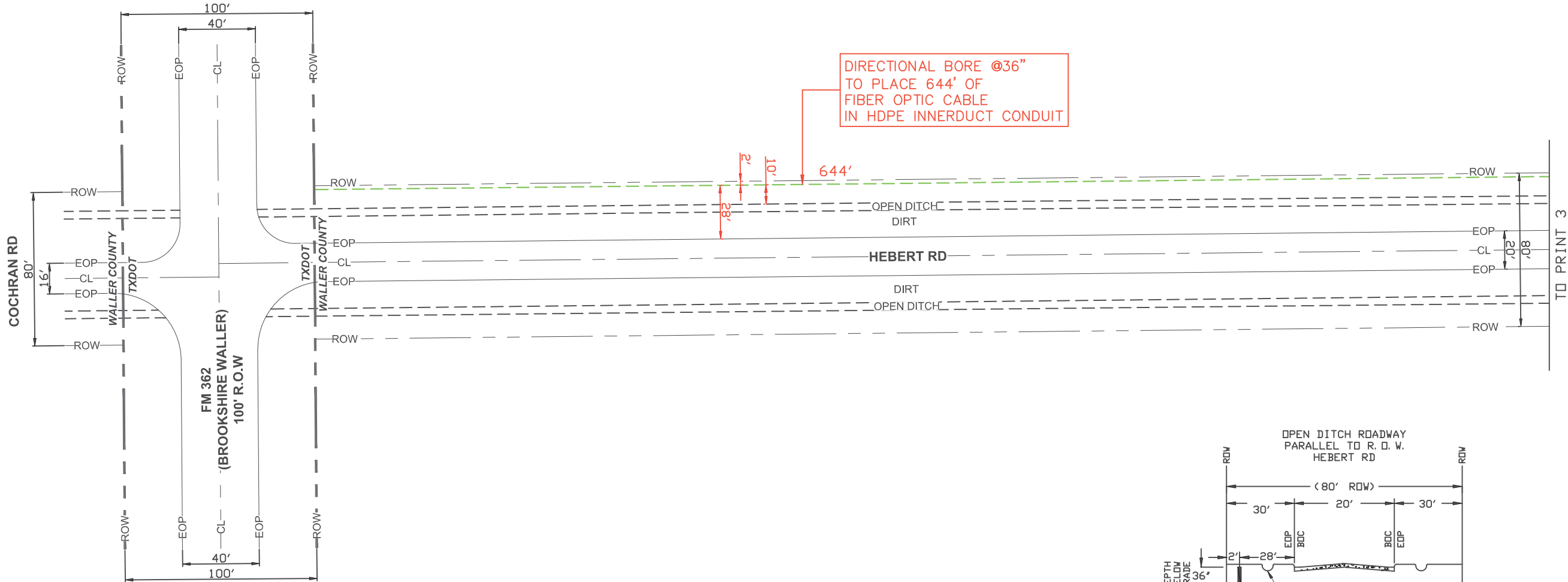
RIGHT-OF-WAY

F. D. C.

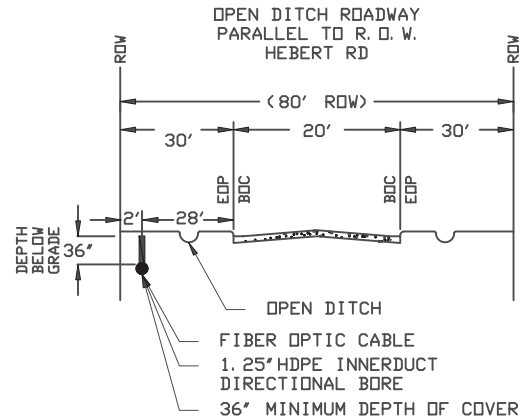
CENTERLINE

GAS LINE

OPEN DITCH



DIRECTIONAL BORE @36"
TO PLACE 644' OF
FIBER OPTIC CABLE
IN HDPE INNERDUCT CONDUIT



DEPTH OF COVER NOTE:

- WHEN PLACING PARALLEL/ALONG ANY ROAD, ENSURE 36" DEPTH OF COVER.
- WHILE CROSSING ANY ROAD OR PAVED SURFACE, DEPTH OF COVER SHALL BE 60"
- FOR DITCHES, DEPTH OF COVER MUST BE 36" AS MEASURED FROM MAX DEPTH FLOW LINE.

UTILITY CROSSING NOTE:

ALL FACILITY UTILITY CROSSINGS ARE SHOWN AT APPROXIMATELY 90 DEGREES TO THE CENTERLINE AND SHALL BE INSTALLED AT APPROXIMATELY 90 DEGREES TO THE CENTERLINE IN ACCORDANCE WITH TEXAS ADMINISTRATIVE CODE CHAPTER 21 (RIGHT OF WAY), SUBCHAPTER C (UTILITY ACCOMMODATION) RULE 21.37 (DESIGN)

ADDITIONAL TRAFFIC NOTES:

CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH PART VI OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD - LATEST EDITION WITH REVISIONS) DURING CONSTRUCTION. NO LANES SHALL BE BLOCKED DURING CONSTRUCTION.

NOTE:

ALL CONSTRUCTION CAN BE COMPLETED IN THE ROW WITHOUT INTERRUPTING THE FLOW OF TRAFFIC. EXPOSE ALL UTILITIES IN AREA BEFORE CROSSING.

CONSTRUCTION DRAWING

BEFORE YOU DIG!
2 DAYS PRIOR
CALL 811



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PROJECT DESIGNATED ADDRESS: 8992 PATTISON RD KATY, TX 77493		A02WEB4 1":60'
DRAWING NAME: A02WEB4 -BYERS-8992 PATTISON RD		
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PROPOSED AT&T FIBER HAND HOLE

PROPOSED PEDESTAL

RIGHT-OF-WAY

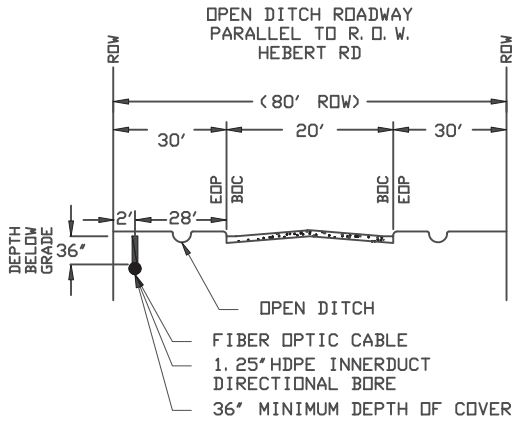
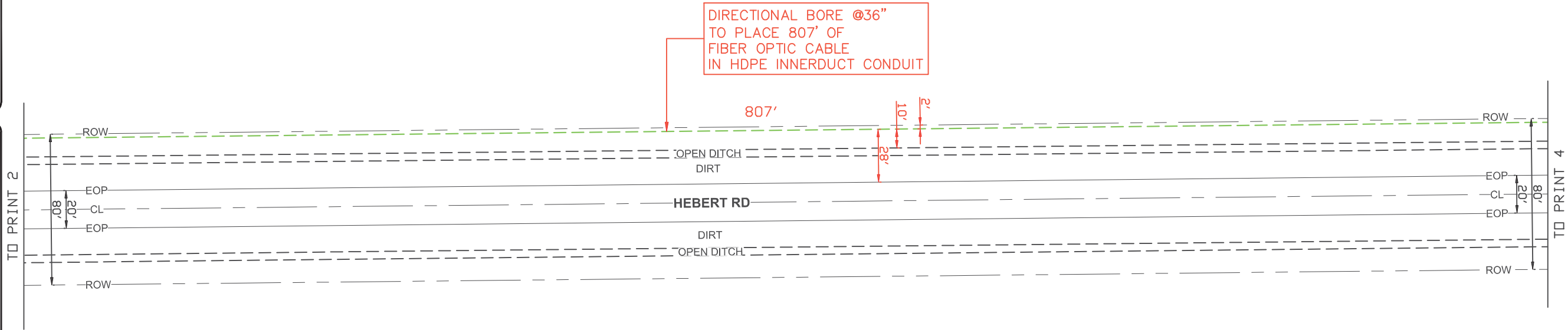
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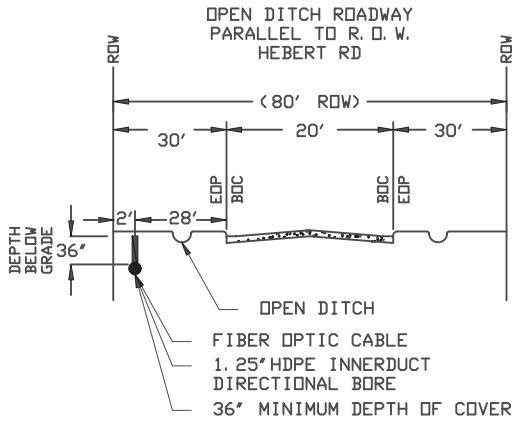
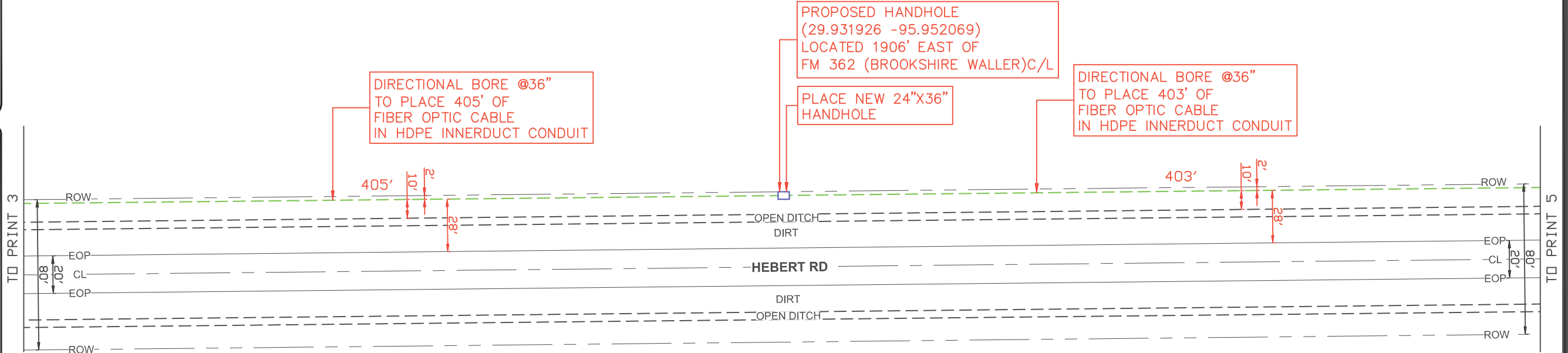
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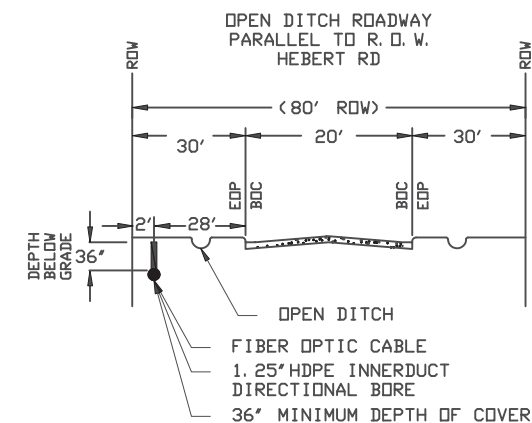
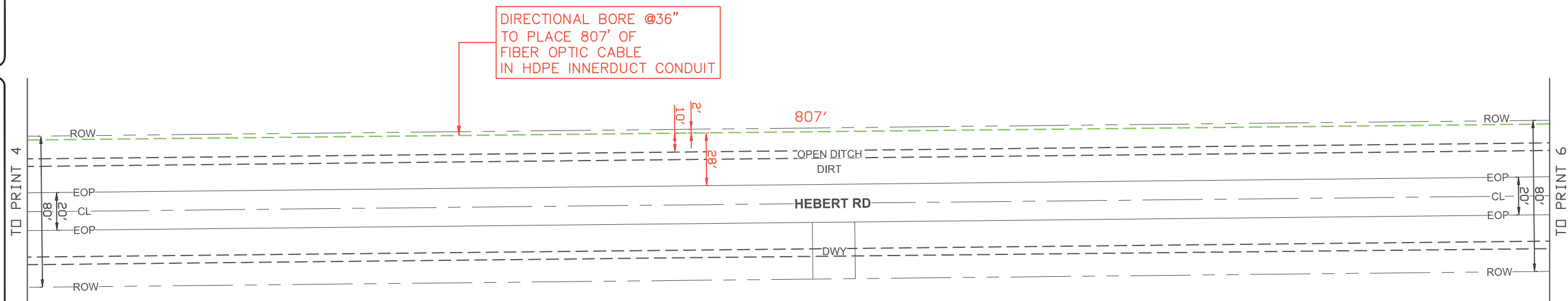
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PROPOSED PEDESTAL

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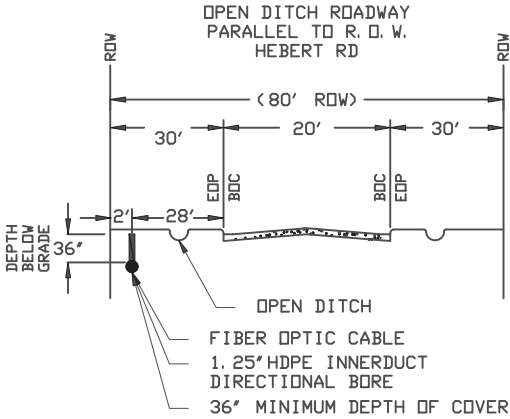
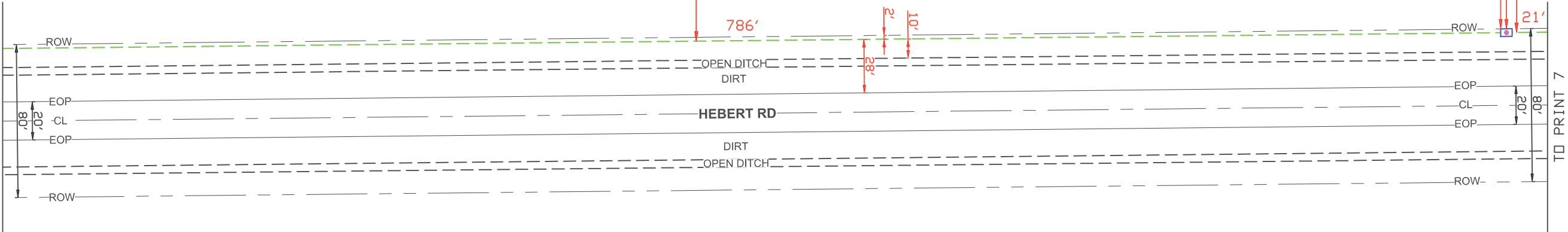
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PROPOSED AT&T BURIED PLACEMENT

PROPOSED AT&T FIBER HAND HOLE

PROPOSED PEDESTAL

RIGHT-OF-WAY

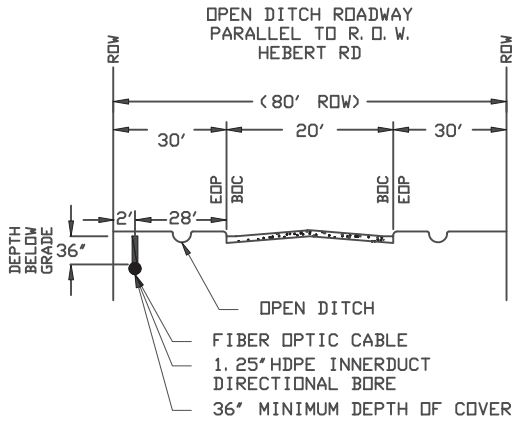
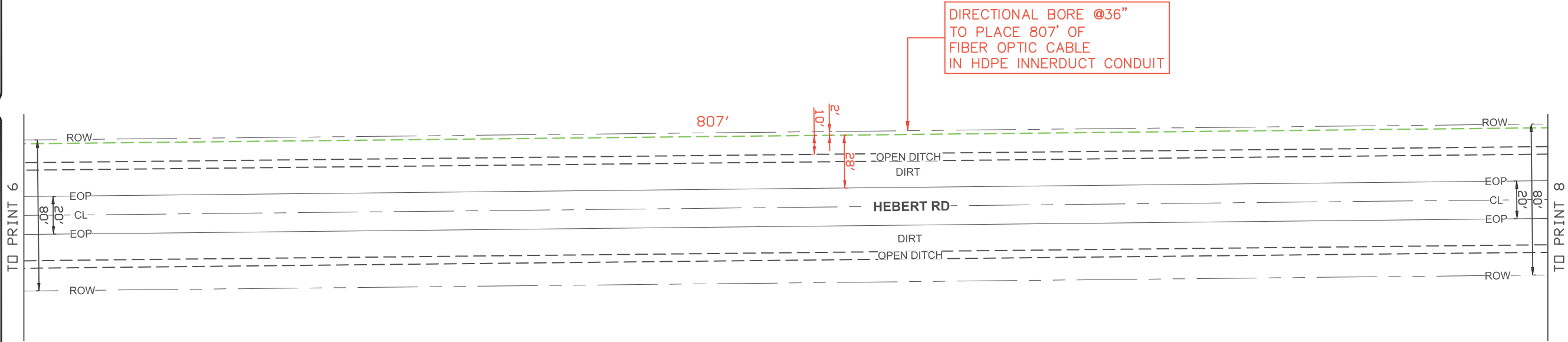
F. D. C.

CENTERLINE

GAS LINE

OPEN DITCH

BEFORE YOU DIG!
2 DAYS PRIOR
CALL 811



DEPTH OF COVER NOTE:

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PROJECT DESIGNATED ADDRESS:			A02WEB4 1":60'	
8992 PATTISON RD				
KATY, TX 77493				
DRAWING NAME:				
A02WEB4 -BYERS-8992 PATTISON RD				
ENGINEER ID:	PM286C	BYERS ENGINEER:	FREDDY RODRIGUEZ	
 BYERS ENGINEERING COMPANY		Note: applicant's exemption from providing an engineer's seal to proposed plans, drawings & other documents per Texas Board of Professional Engineers and Land Surveyors exemptions for cost below threshold. https://pels.texas.gov/downloads/TBPELSDiagrammatic.pdf and per Occupations Code Title 6. https://statutes.capitol.texas.gov/docs/OC/htm/OC.1001.htm for telecom purposes.		
		13430 NW FWY, SUITE 250, HOUSTON, TX 77040-6020 (713) 574-2742		
		DRAWN BY:	GARDHIL A. CAYBIN	PRINT:

CONSTRUCTION DRAWING

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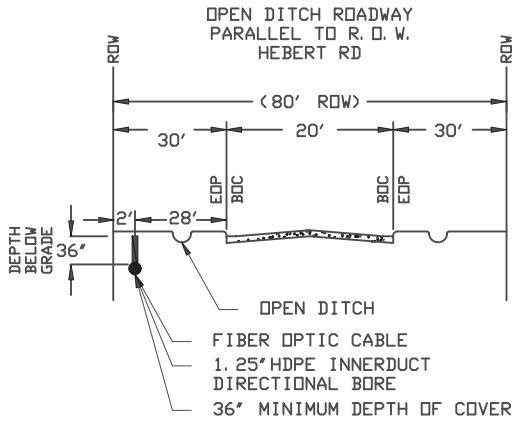
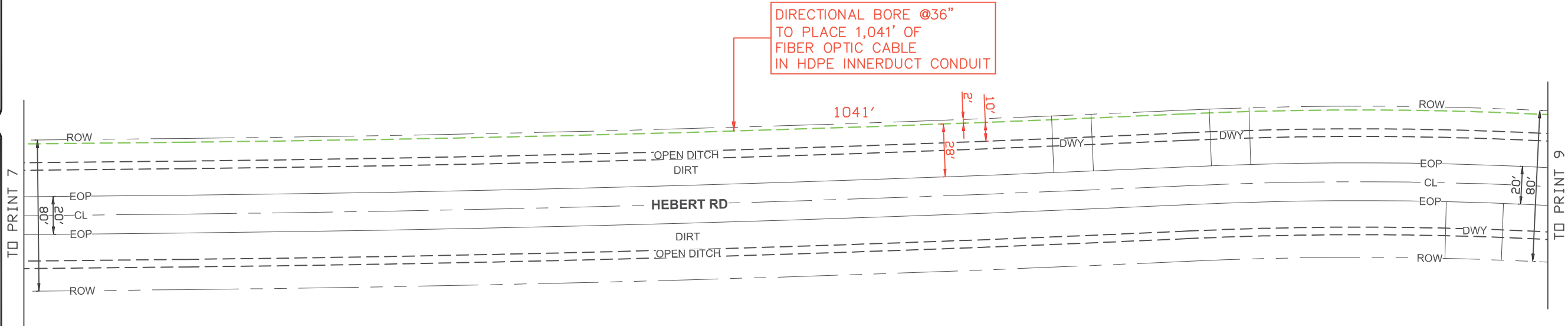
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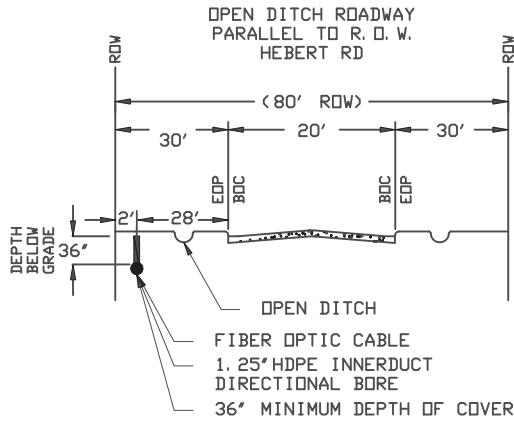
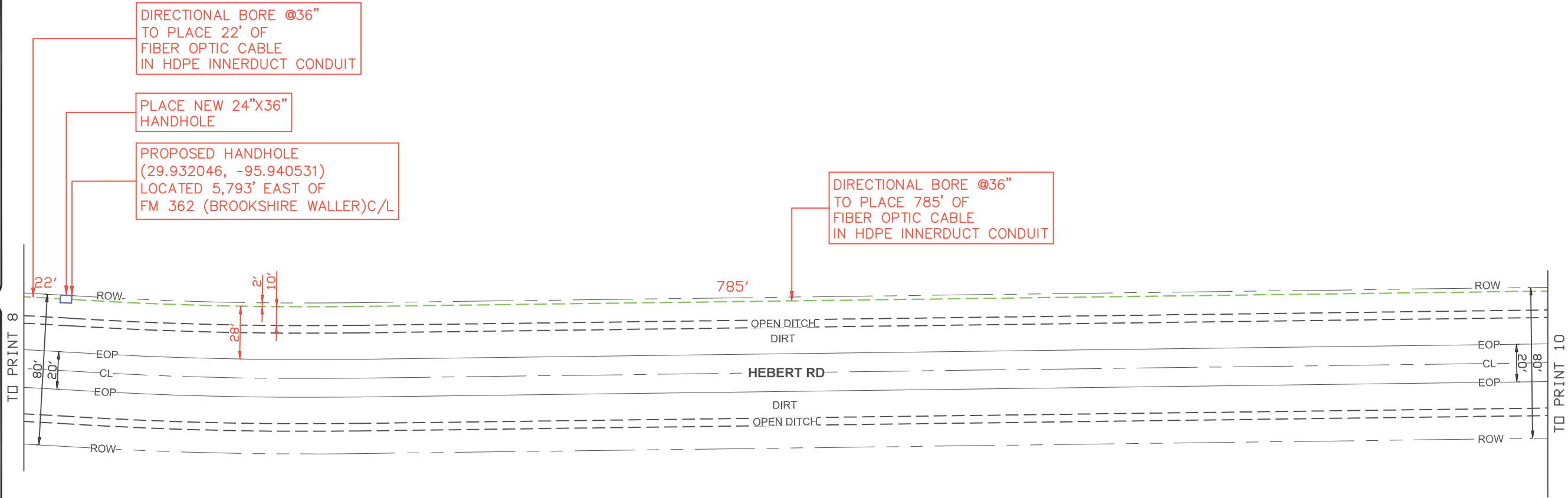
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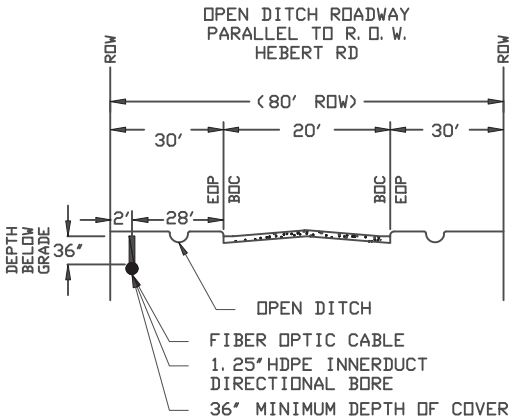
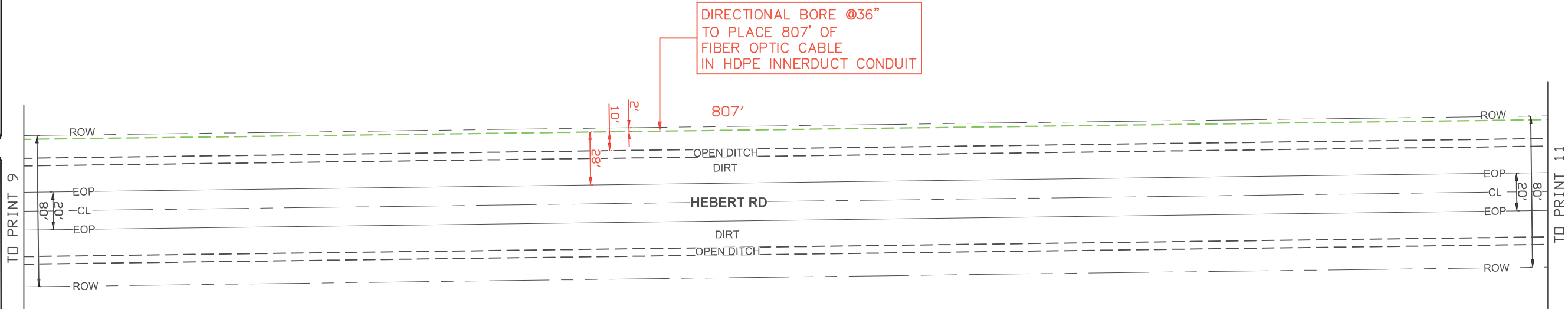
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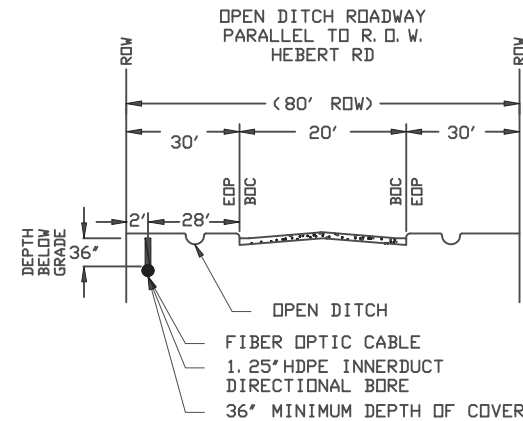
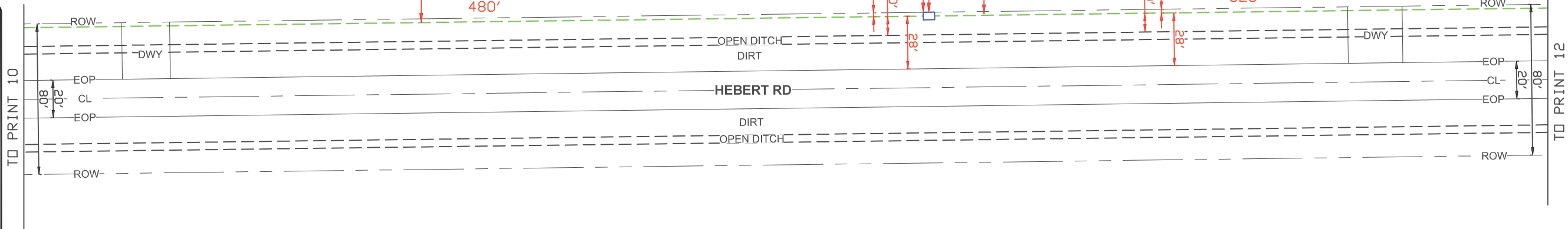
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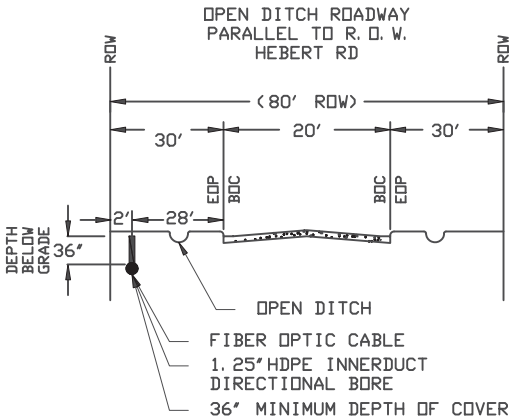
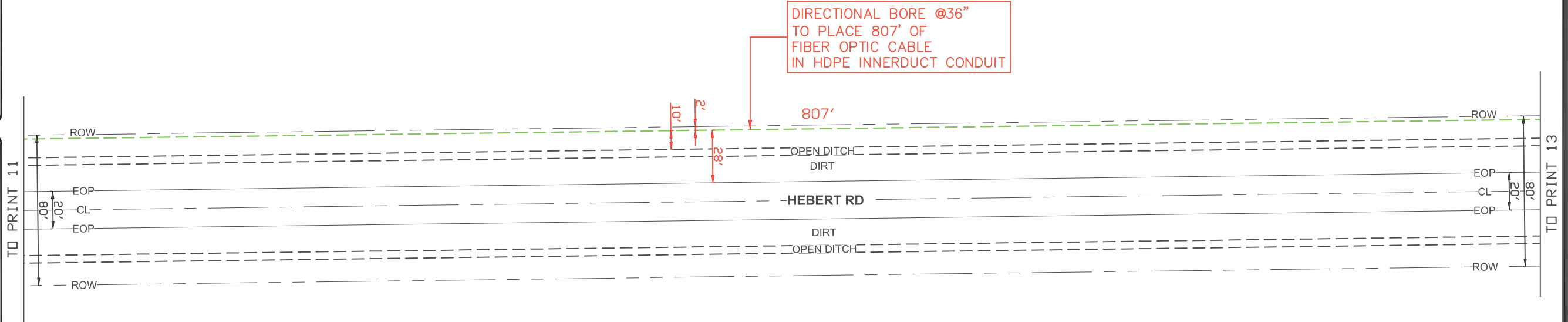
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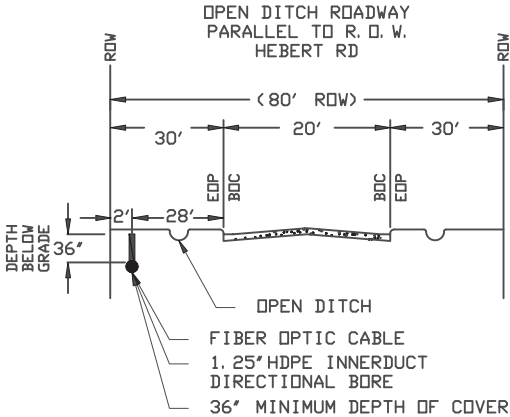
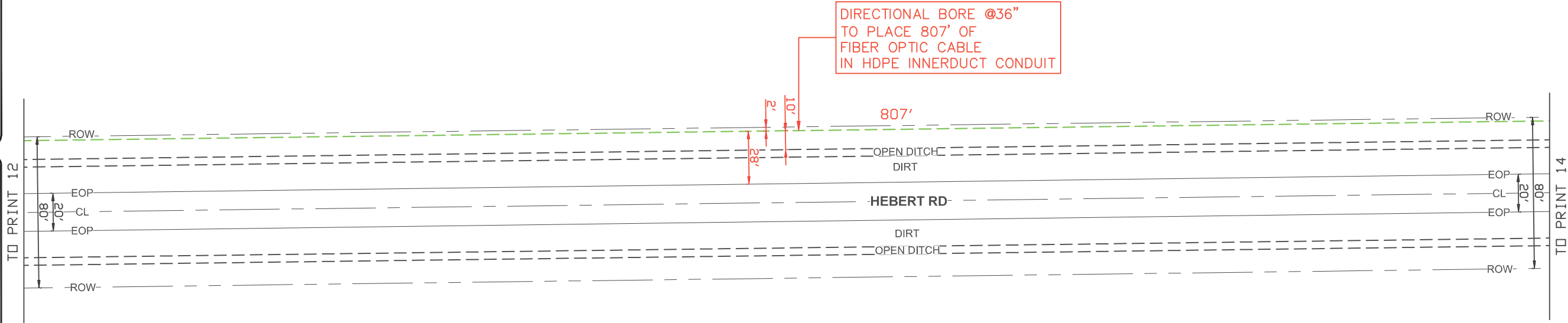
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DRAWN BY: GARDHIL A. CAYBIN	PRINT:	13 OF: 44

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LEGEND

PROPOSED AT&T BURIED PLACEMENT

PROPOSED AT&T FIBER HAND HOLE

PROPOSED PEDESTAL

RIGHT-OF-WAY

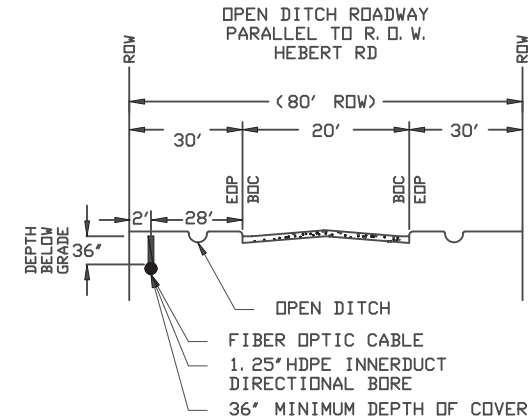
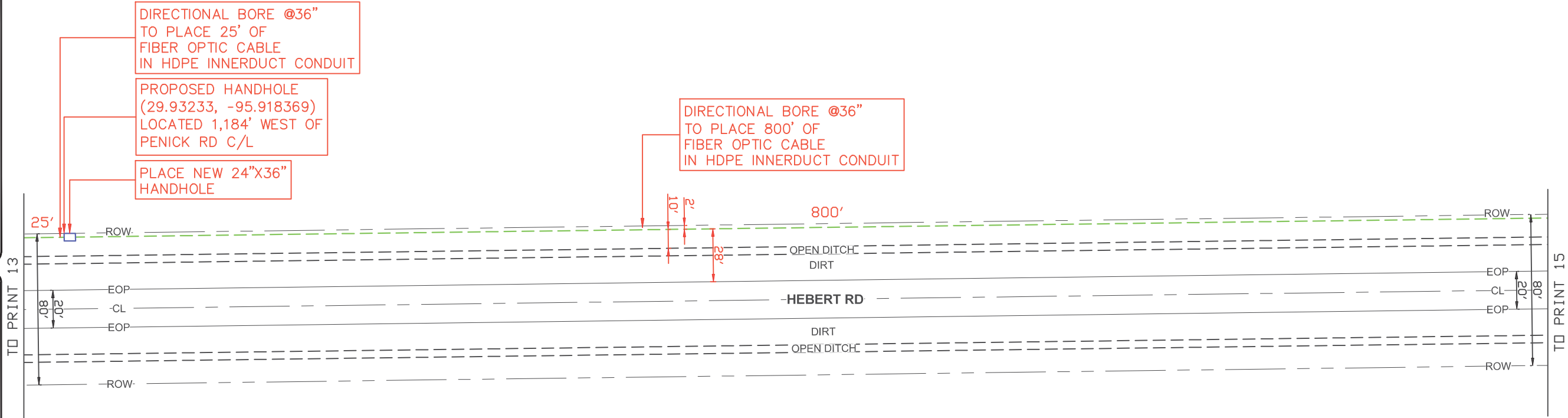
F. D. C.

CENTERLINE

GAS LINE

OPEN DITCH

BEFORE YOU DIG!
2 DAYS PRIOR
CALL 811



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13430 NW FWY, SUITE 250, HOUSTON, TX 77040-6020 (713) 574-2742					
DRAWN BY: GARDHIL A. CAYBIN	PRINT: 14			OF: 44	

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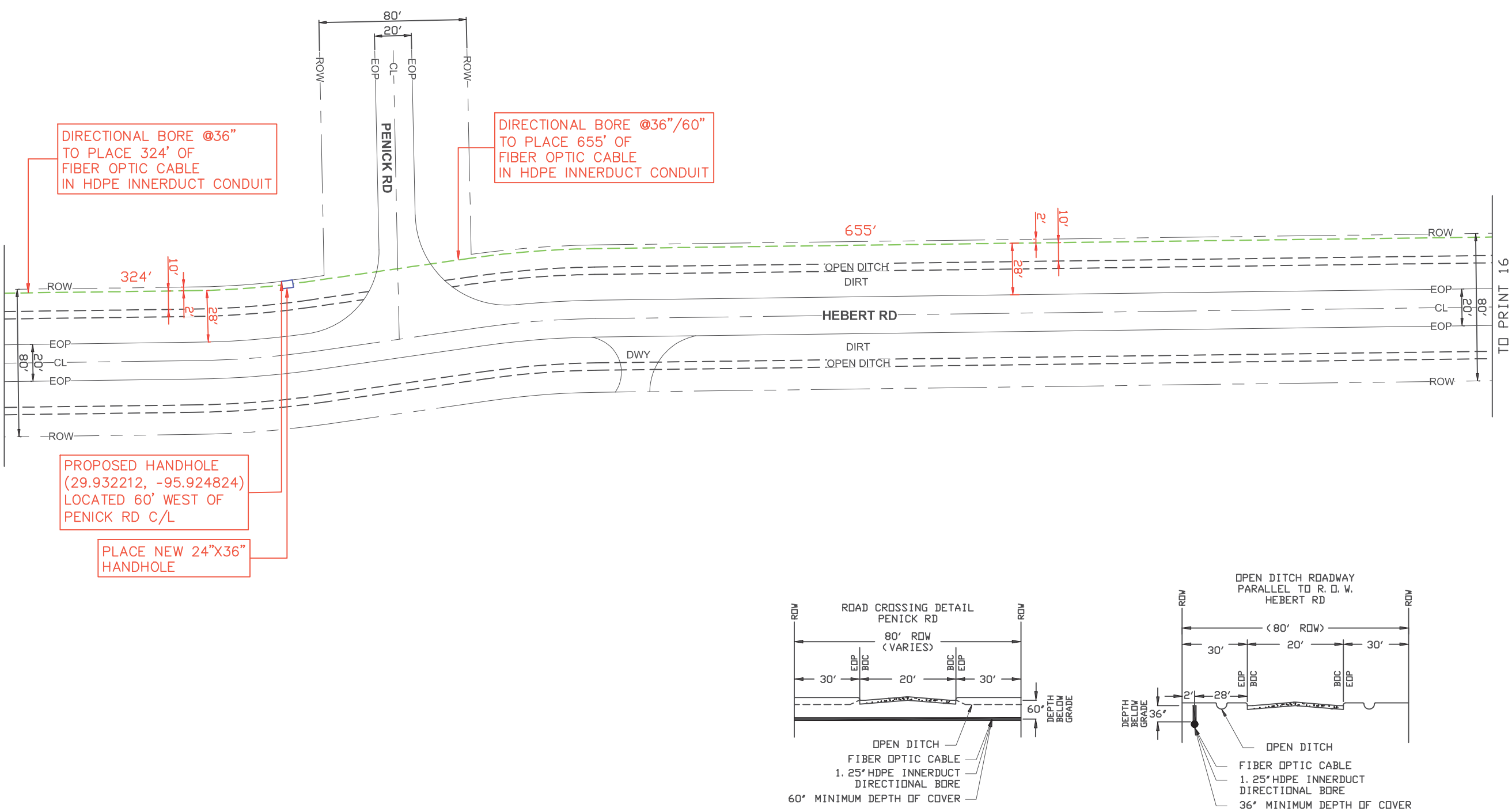
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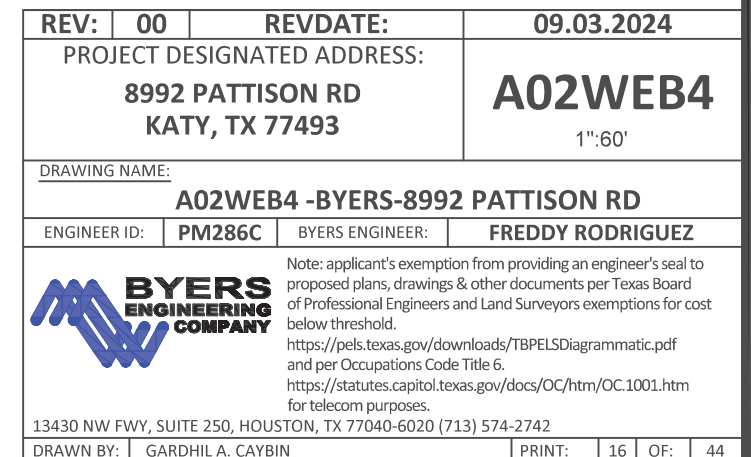
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Plan view of the proposed 80' wide road section. The diagram shows the centerline (CL) and right-of-way (ROW) lines. The total width is 80'. The centerline is 20' from the ROW on both sides. The road is flanked by open ditches on both sides. The distance from the centerline to the ditch is 28'. The distance from the ditch to the ROW is 10'. The total distance from the centerline to the ROW is 38' on each side. The road is labeled 'HEBERT RD'. The section is bounded by 'TO PRINT 15' on the left and 'TO PRINT 17' on the right. A dimension of 807' is shown along the top edge, indicating the length of the section.



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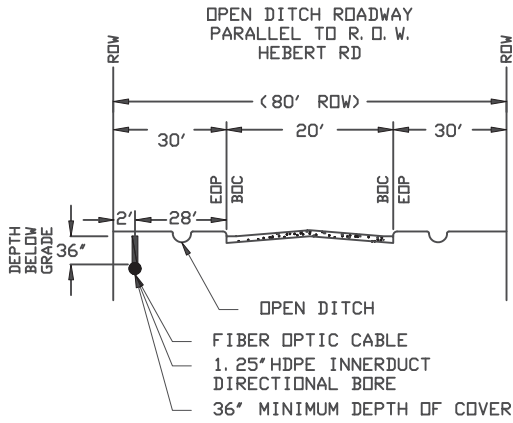
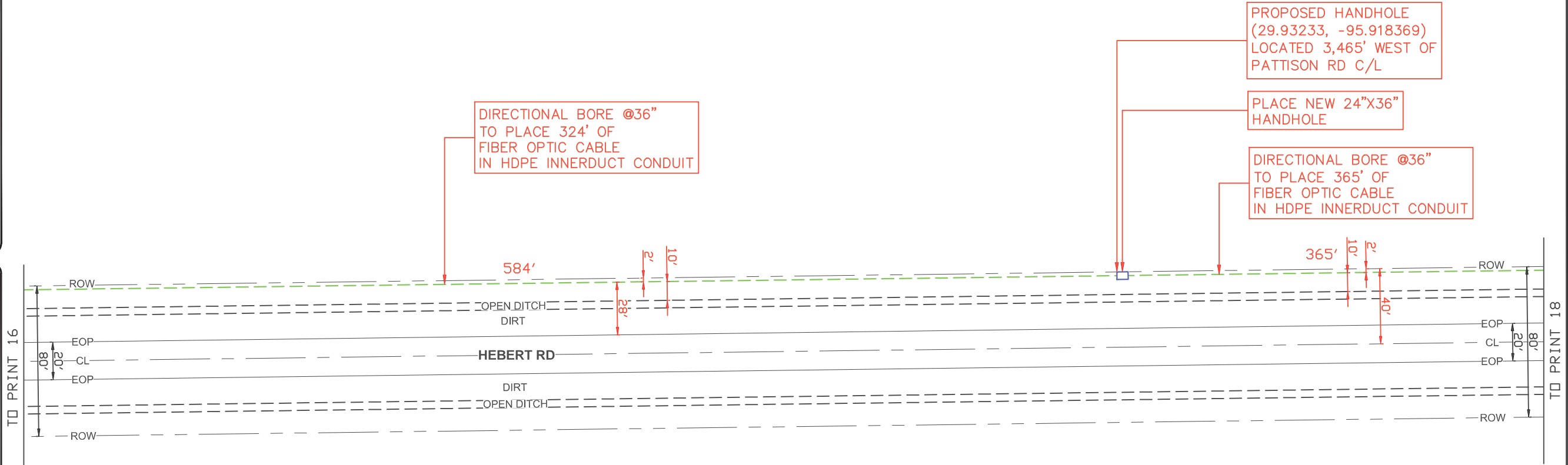
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DRAWN BY: GARDHIL A. CAYBIN	PRINT:	17 OF: 44

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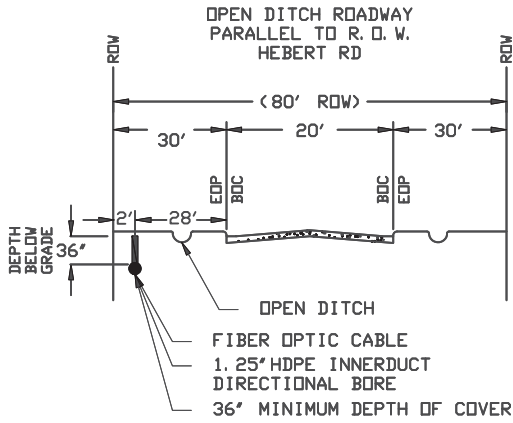
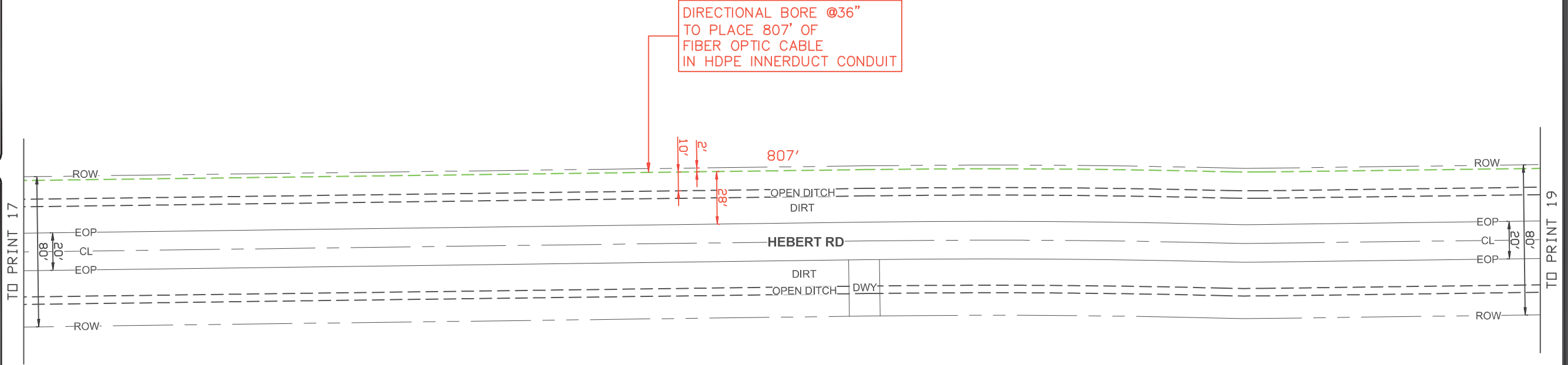
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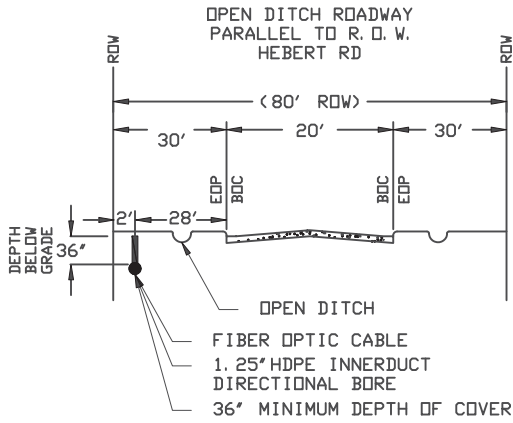
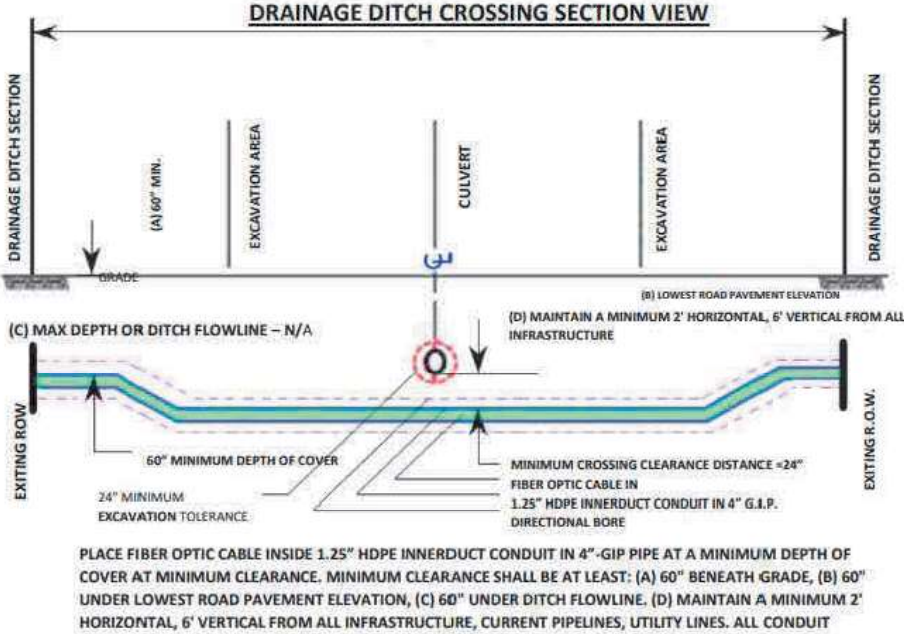
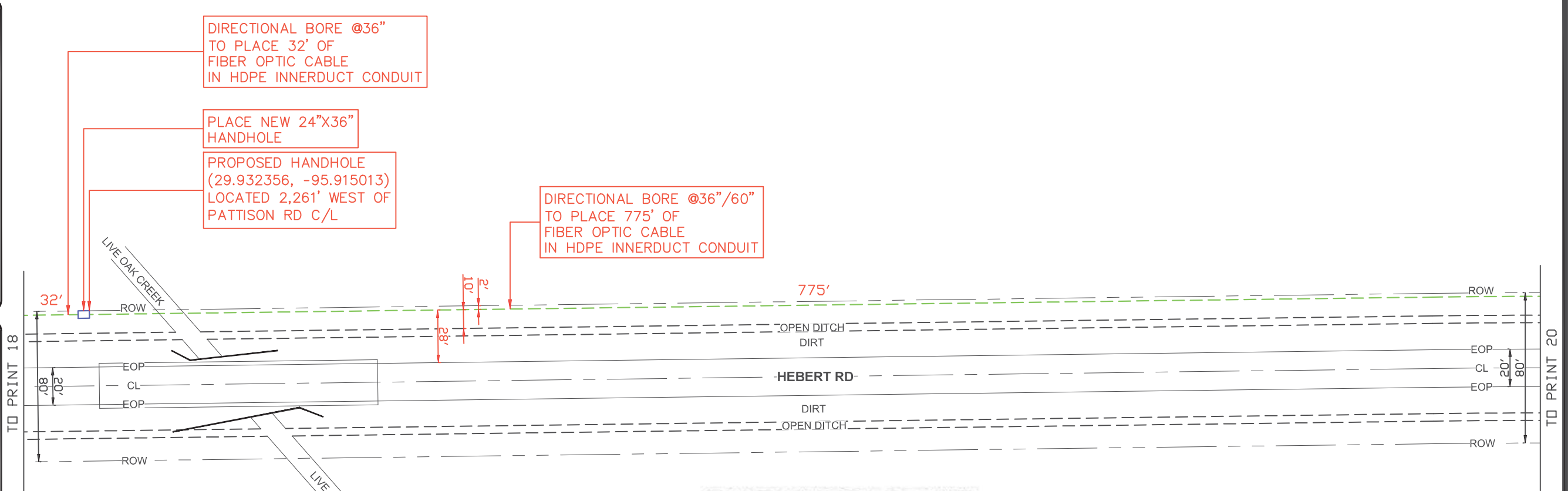
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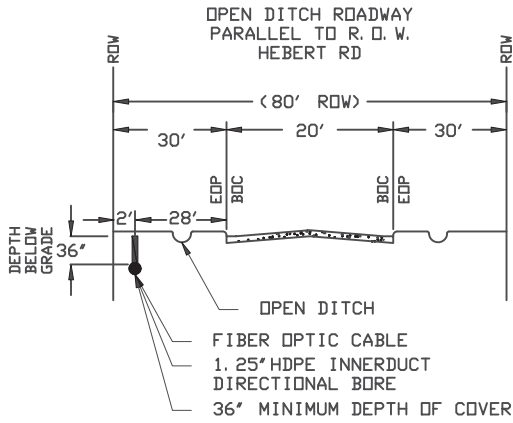
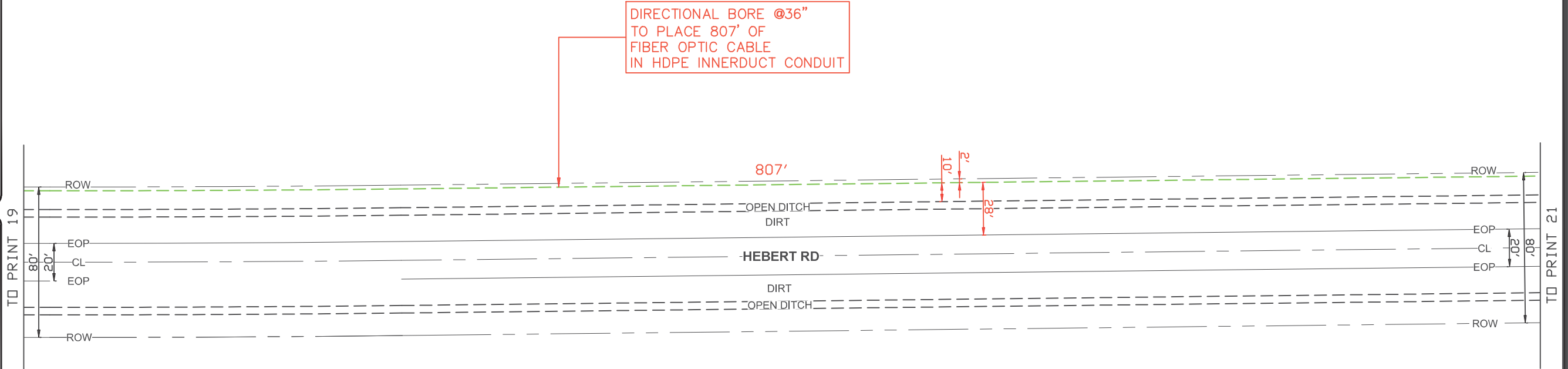
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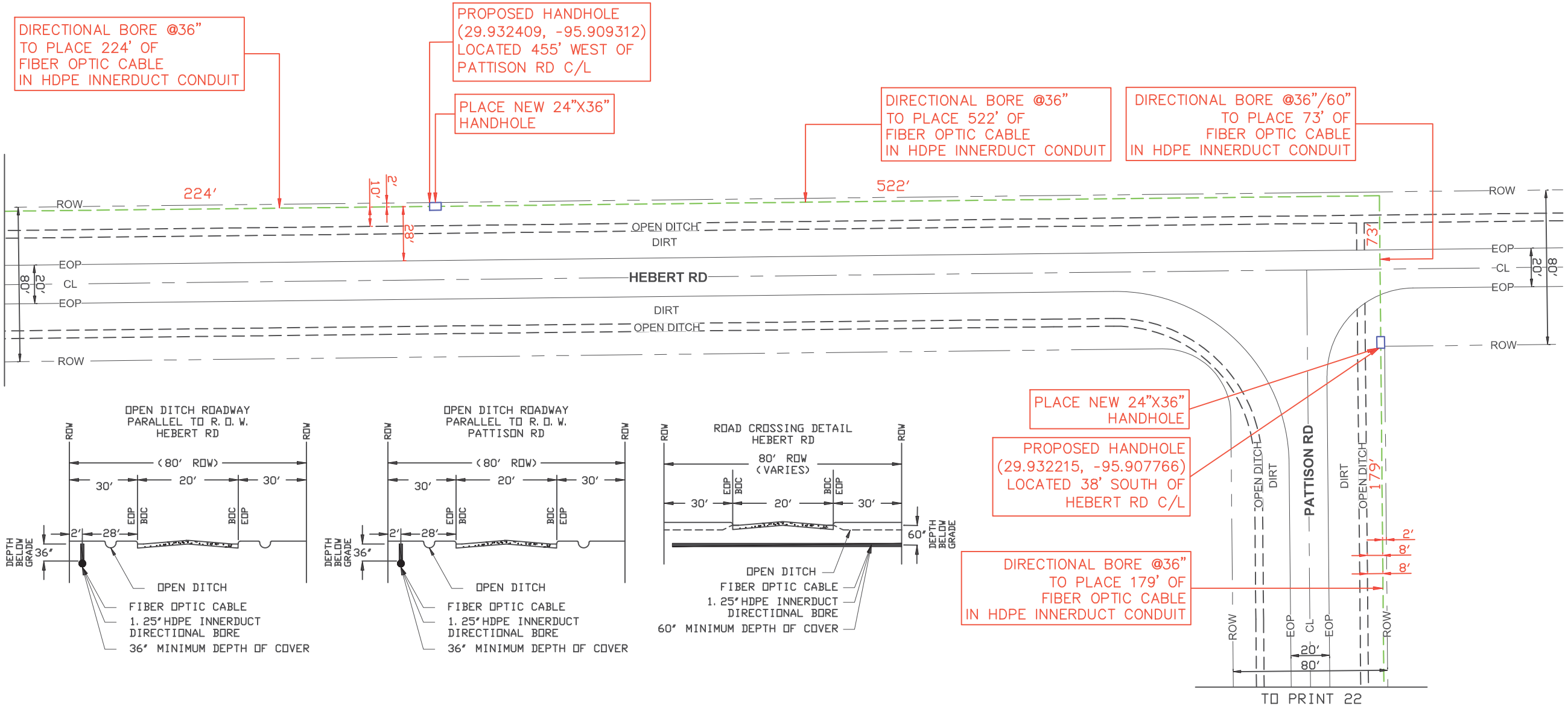
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BEFORE YOU DIG!
2 DAYS PRIOR
CALL 811



CONSTRUCTION DRAWING

REV: 00	REVDATE:	09.03.2024
PROJECT DESIGNATED ADDRESS: 8992 PATTISON RD KATY, TX 77493		A02WEB4 1":60'
DRAWING NAME: A02WEB4 -BYERS-8992 PATTISON RD		
ENGINEER ID: PM286C	BYERS ENGINEER:	FREDDY RODRIGUEZ
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13430 NW FWY, SUITE 250, HOUSTON, TX 77040-6020 (713) 574-2742		
DRAWN BY: GARDHIL A. CAYBIN	PRINT:	21 OF: 44

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LEGEND

PROPOSED AT&T BURIED PLACEMENT

PROPOSED AT&T FIBER HAND HOLE

PROPOSED PEDESTAL

RIGHT-OF-WAY

F. O. C.

CENTERLINE

GAS LINE

OPEN DITCH

BEFORE YOU DIG!
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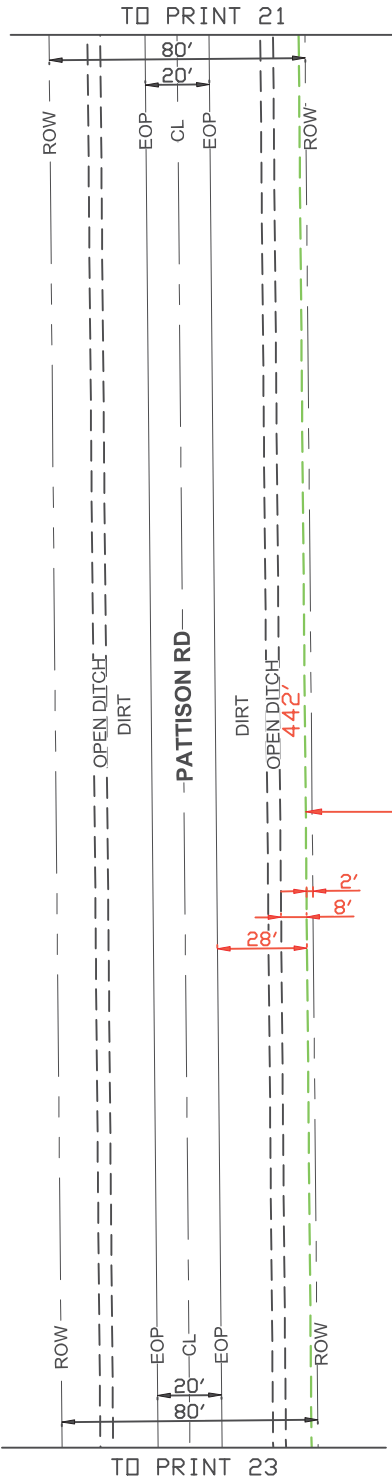


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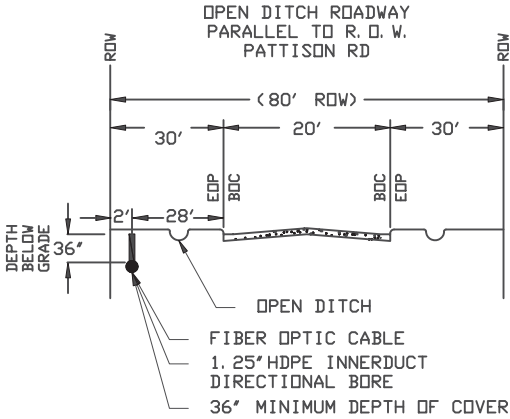
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DIRECTIONAL BORE @36"
TO PLACE 442' OF
FIBER OPTIC CABLE
IN HDPE INNERDUCT CONDUIT



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DRAWN BY:		GARDHIL A. CAYBIN	PRINT: 22 OF: 44

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PROPOSED AT&T FIBER HAND HOLE

PROPOSED PEDESTAL

RIGHT-OF-WAY

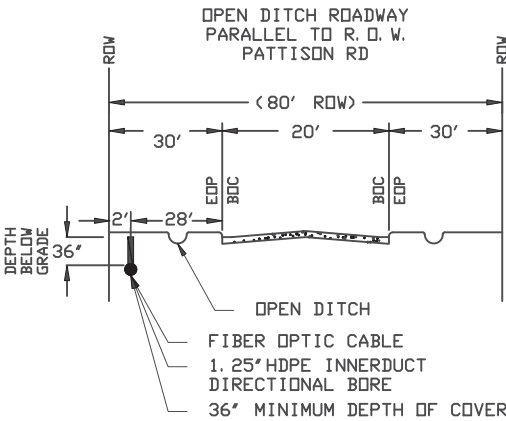
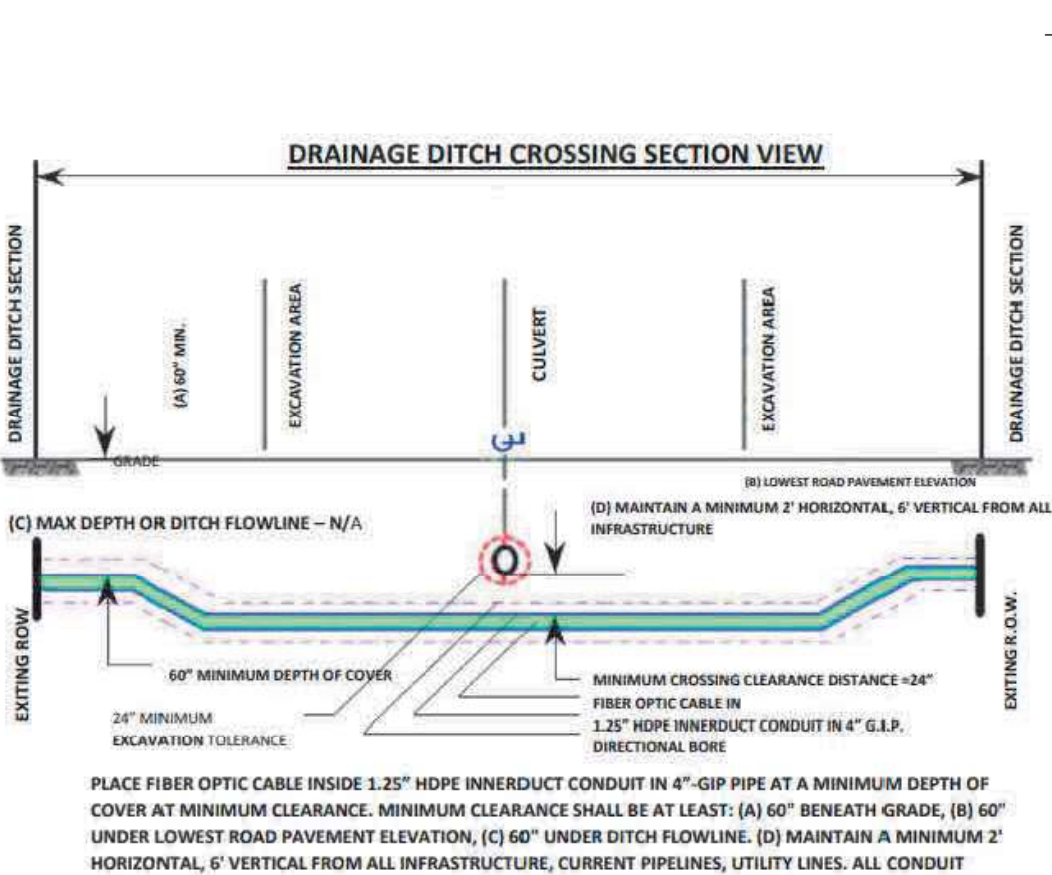
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GAS LINE

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2 DAYS PRIOR
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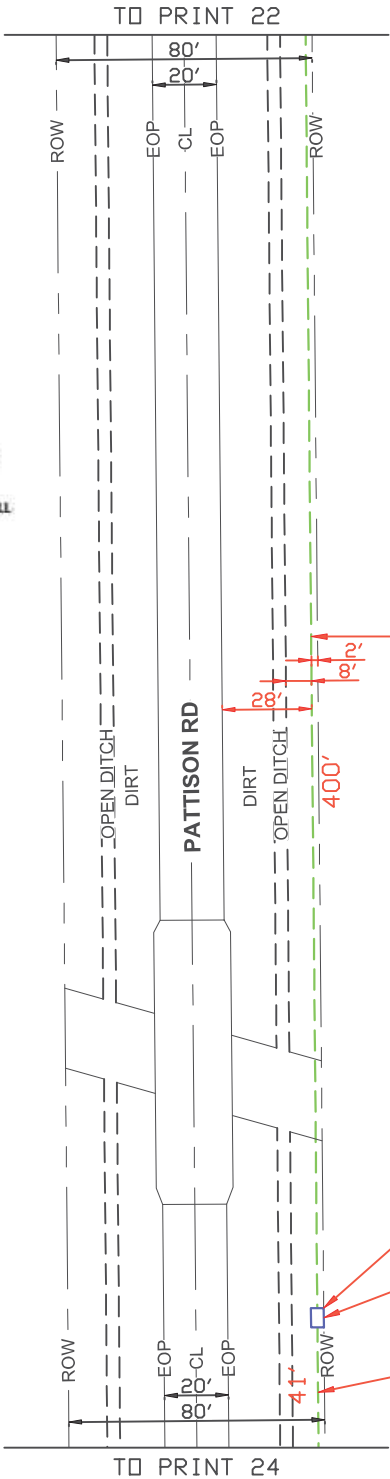
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DIRECTIONAL BORE @36" TO PLACE 400' OF FIBER OPTIC CABLE IN HDPE INNERDUCT CONDUIT

PROPOSED HANDHOLE (29.929407, -95.907737) LOCATED 1,059' SOUTH OF HEBERT RD C/L

PLACE NEW 24"x36" HANDHOLE

DIRECTIONAL BORE @36" TO PLACE 41' OF FIBER OPTIC CABLE IN HDPE INNERDUCT CONDUIT

REV: 00	REVDATE:	09.03.2024
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13430 NW FWY, SUITE 250, HOUSTON, TX 77040-6020 (713) 574-2742		
DRAWN BY: GARDHIL A. CAYBIN	PRINT:	23 OF 44

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PROPOSED AT&T FIBER HAND HOLE

PROPOSED PEDESTAL

RIGHT-OF-WAY

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CENTERLINE

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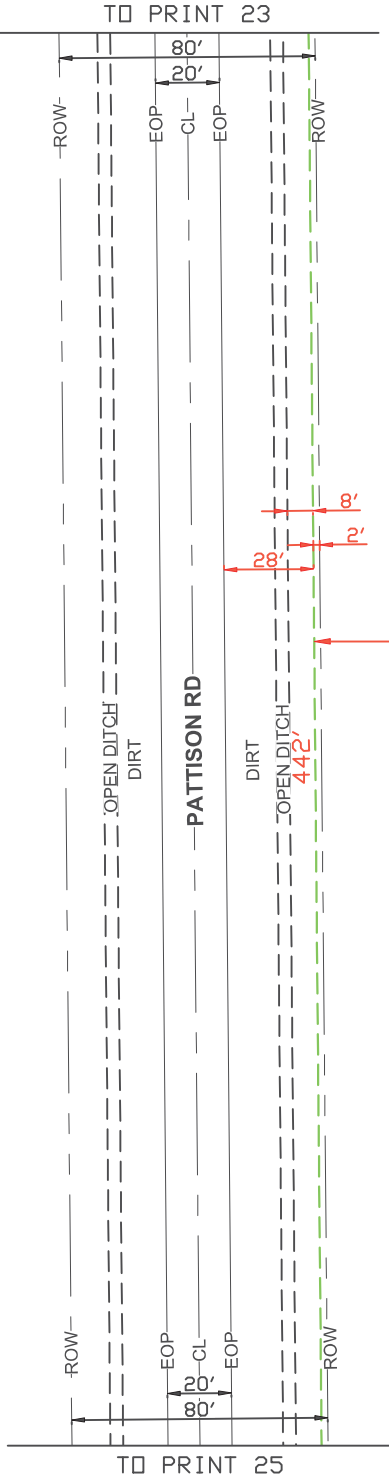
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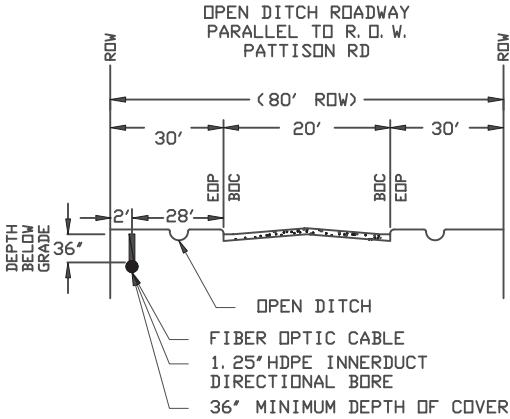
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DIRECTIONAL BORE @36" TO PLACE 442' OF FIBER OPTIC CABLE IN HDPE INNERDUCT CONDUIT



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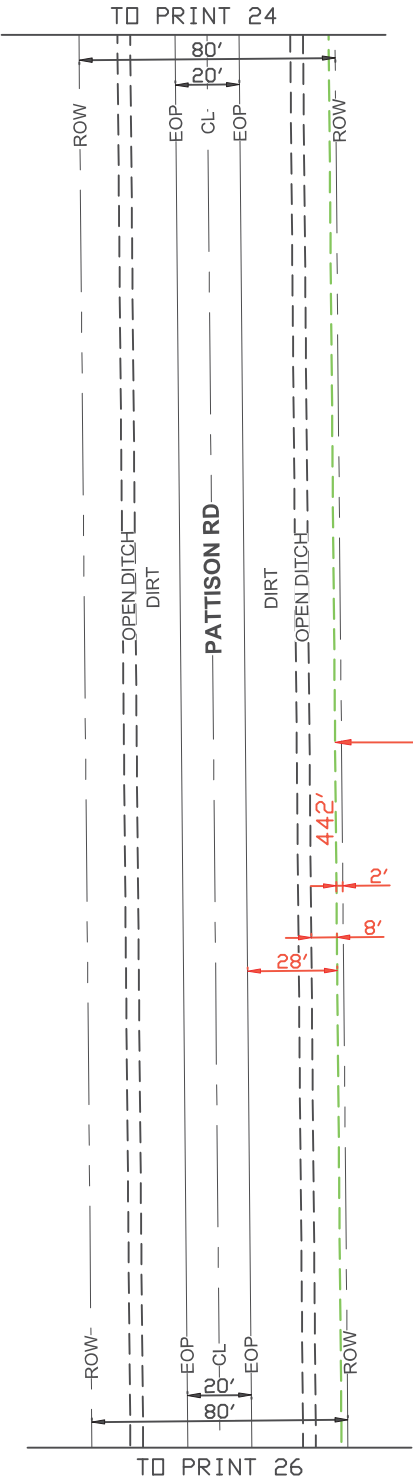
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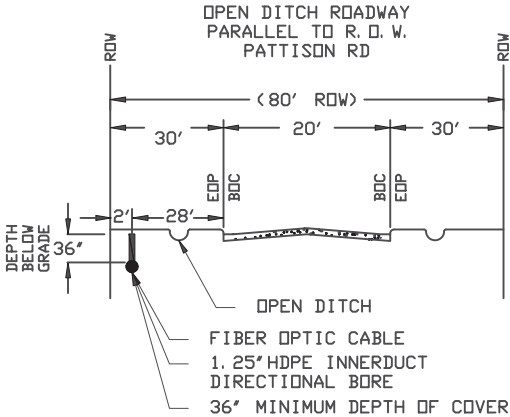
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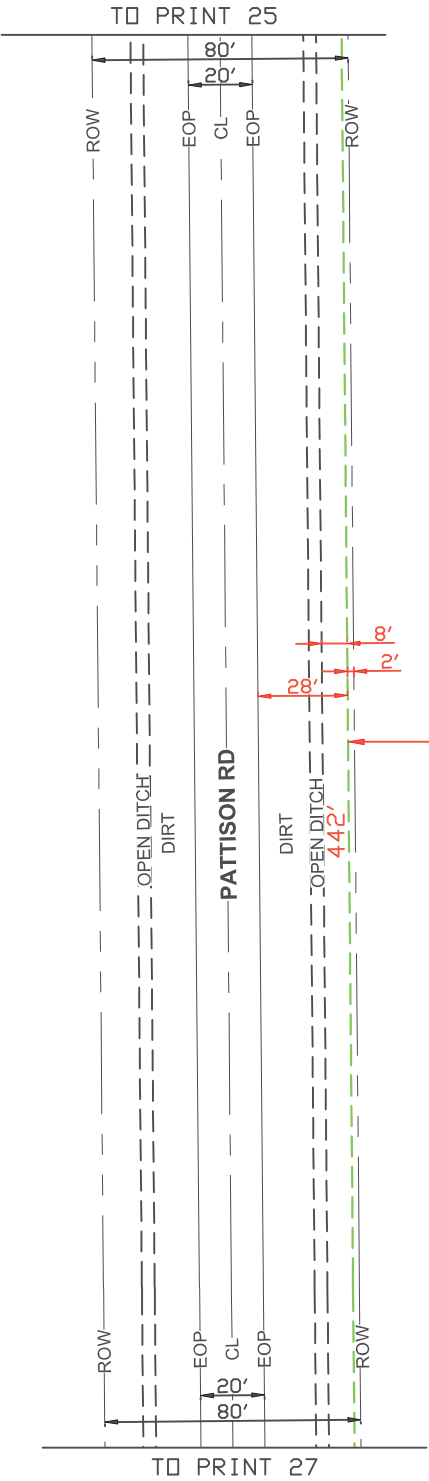
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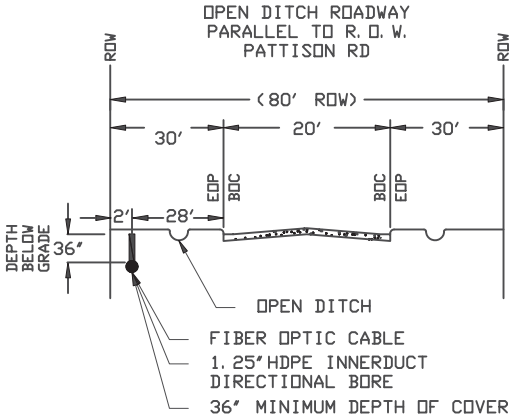
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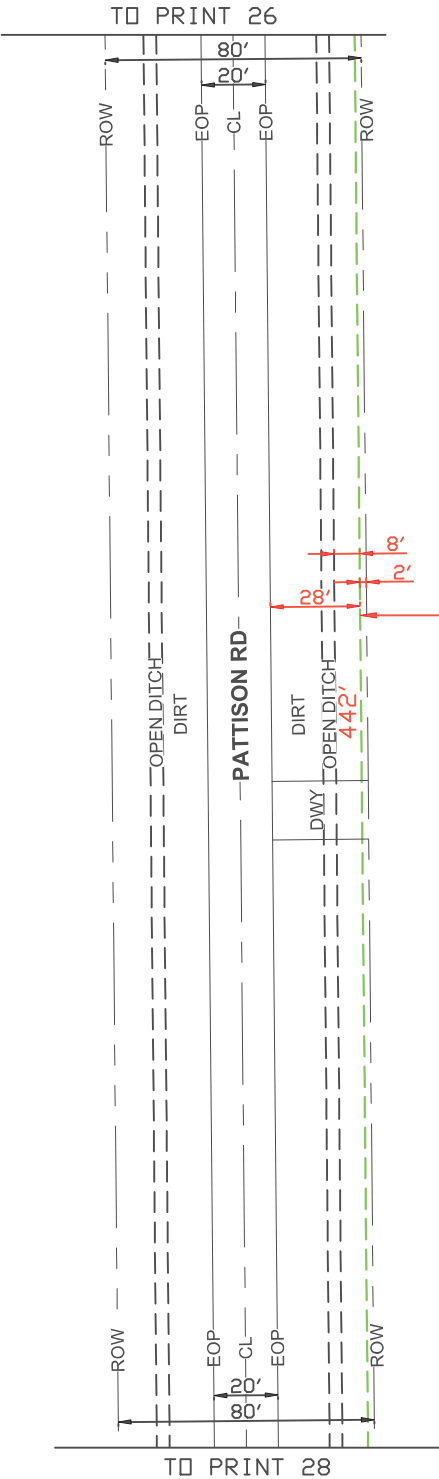
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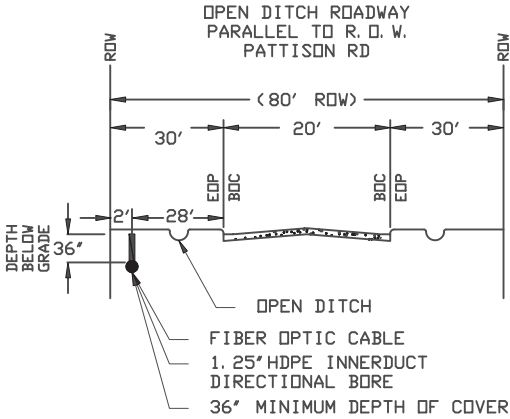
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 7. MIN DEPTH TO TOP OF CABLE OR CONDUIT IS TO BE 36" BELOW CROWN OF ROAD AND 36" BELOW ANY ROADSIDE OPEN DITCH.

LEGEND

PROPOSED AT&T BURIED PLACEMENT

PROPOSED AT&T FIBER HAND HOLE

PROPOSED PEDESTAL

RIGHT-OF-WAY

F. D. C.

CENTERLINE

GAS LINE

OPEN DITCH

BEFORE YOU DIG!
2 DAYS PRIOR
CALL 811



DEPTH OF COVER NOTE:

-WHEN PLACING PARALLEL/ALONG ANY ROAD, ENSURE 36" DEPTH OF COVER.

-WHILE CROSSING ANY ROAD OR PAVED SURFACE, DEPTH OF COVER SHALL BE 60"

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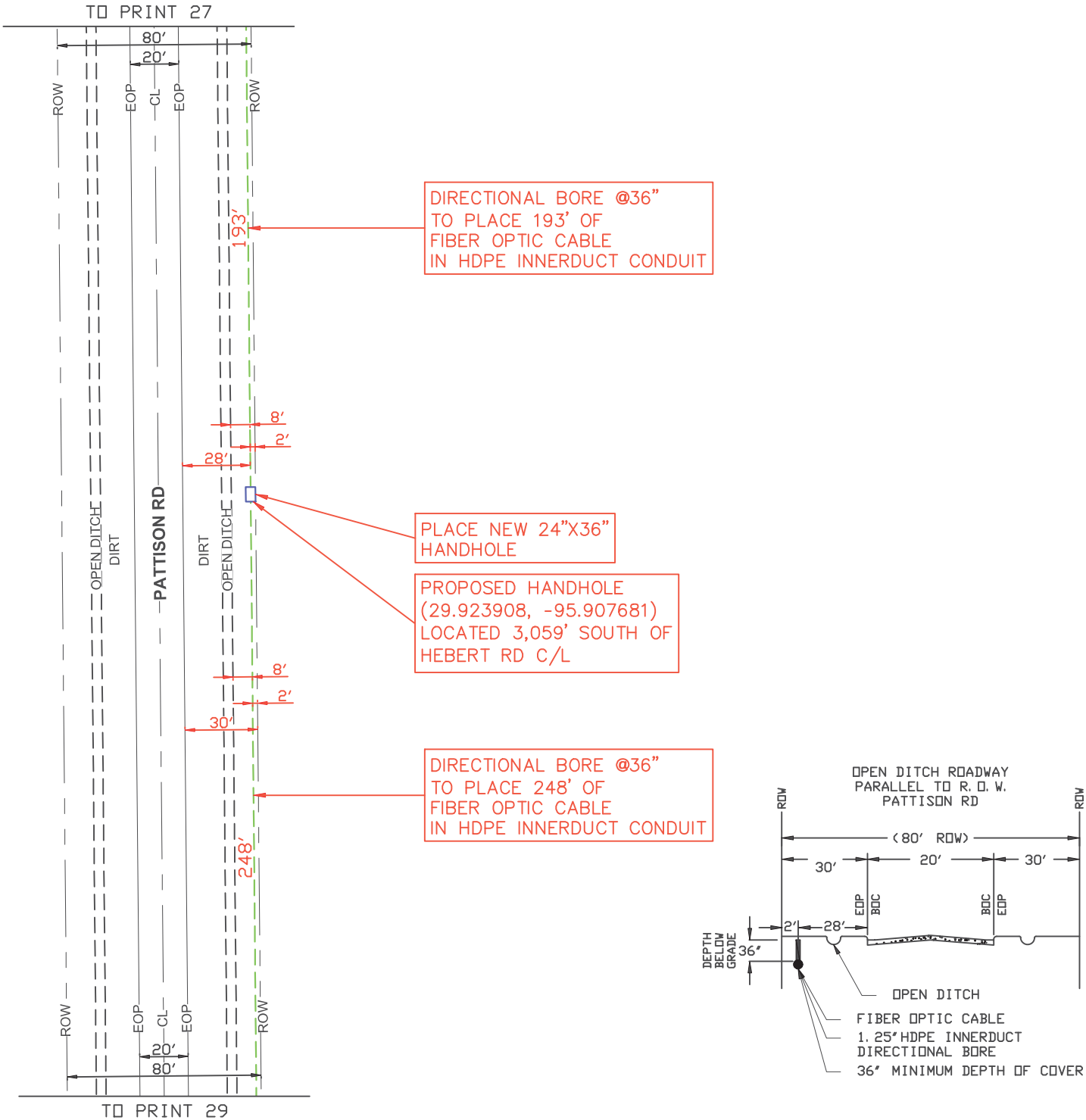
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NOTE:

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EXPOSE ALL UTILITIES IN AREA BEFORE CROSSING.

CONSTRUCTION DRAWING



REV:	00	REVDATE:	09.03.2024
PROJECT DESIGNATED ADDRESS:		A02WEB4 1"=60'	
8992 PATTISON RD KATY, TX 77493			
DRAWING NAME:			
A02WEB4 -BYERS-8992 PATTISON RD			
ENGINEER ID:	PM286C	BYERS ENGINEER:	FREDDY RODRIGUEZ
 BYERS ENGINEERING COMPANY		Note: applicant's exemption from providing an engineer's seal to proposed plans, drawings & other documents per Texas Board of Professional Engineers and Land Surveyors exemptions for cost below threshold. https://pels.texas.gov/downloads/TBPELSDiagrammatic.pdf and per Occupations Code Title 6. https://statutes.capitol.texas.gov/docs/OC/htm/OC.1001.htm for telecom purposes.	
		13430 NW FWY, SUITE 250, HOUSTON, TX 77040-6020 (713) 574-2742	
		DRAWN BY: GARDHIL A. CAYBIN	
PRINT:		28	OF: 44

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PROPOSED AT&T BURIED PLACEMENT

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PROPOSED PEDESTAL

RIGHT-OF-WAY

F. O. C.

CENTERLINE

GAS LINE

OPEN DITCH

BEFORE YOU DIG!
2 DAYS PRIOR
CALL 811



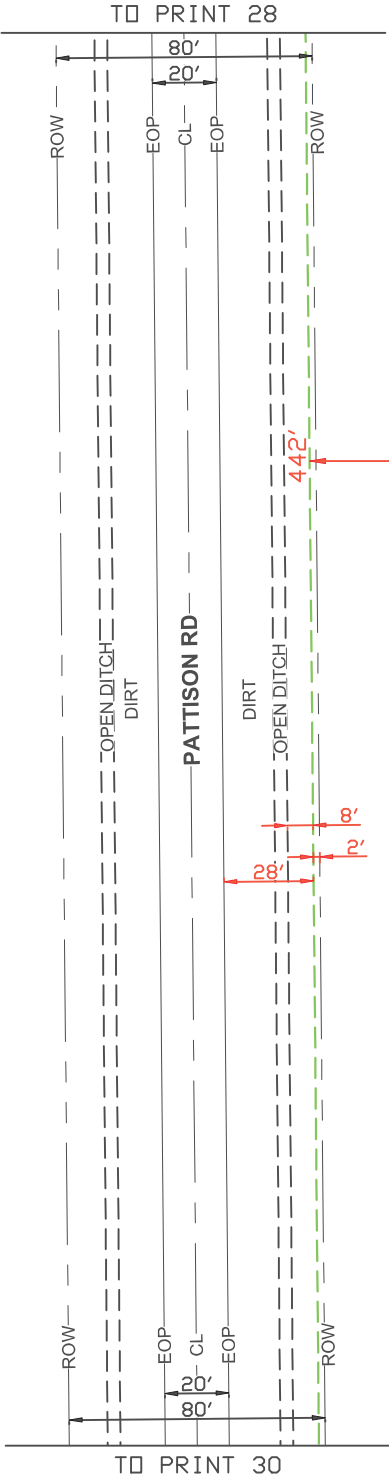
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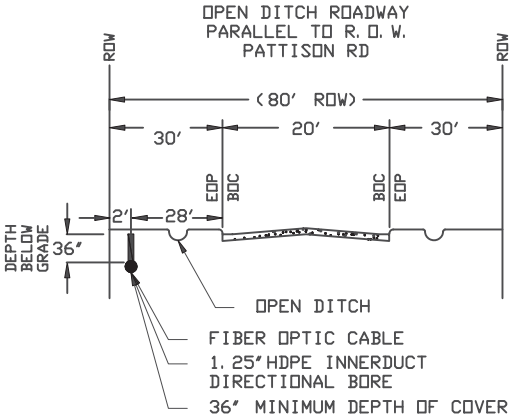
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CONSTRUCTION DRAWING



DIRECTIONAL BORE @36" TO PLACE 442' OF FIBER OPTIC CABLE IN HDPE INNERDUCT CONDUIT



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8992 PATTISON RD KATY, TX 77493			1":60'
DRAWING NAME:			
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		13430 NW FWY, SUITE 250, HOUSTON, TX 77040-6020 (713) 574-2742	
DRAWN BY:	GARDHIL A. CAYBIN	PRINT:	29 OF 44

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PROPOSED AT&T FIBER HAND HOLE

PROPOSED PEDESTAL

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F. D. C.

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GAS LINE

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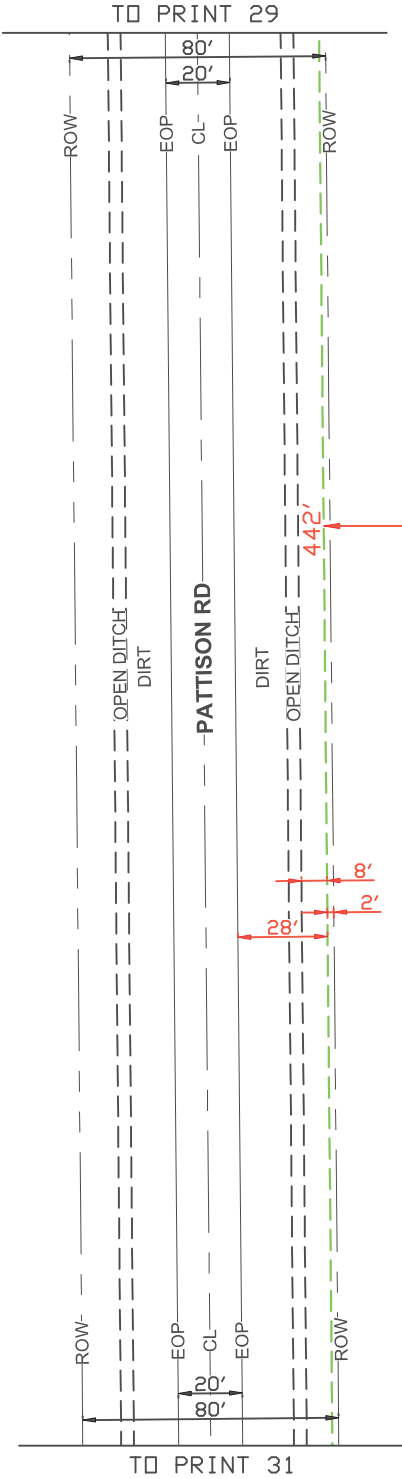
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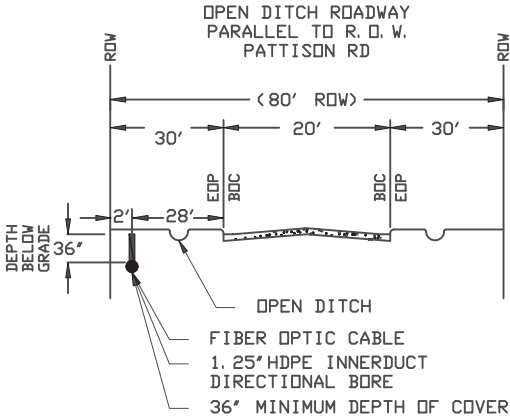
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CONSTRUCTION DRAWING



DIRECTIONAL BORE @36"
TO PLACE 442' OF
FIBER OPTIC CABLE
IN HDPE INNERDUCT CONDUIT



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GAS LINE

OPEN DITCH

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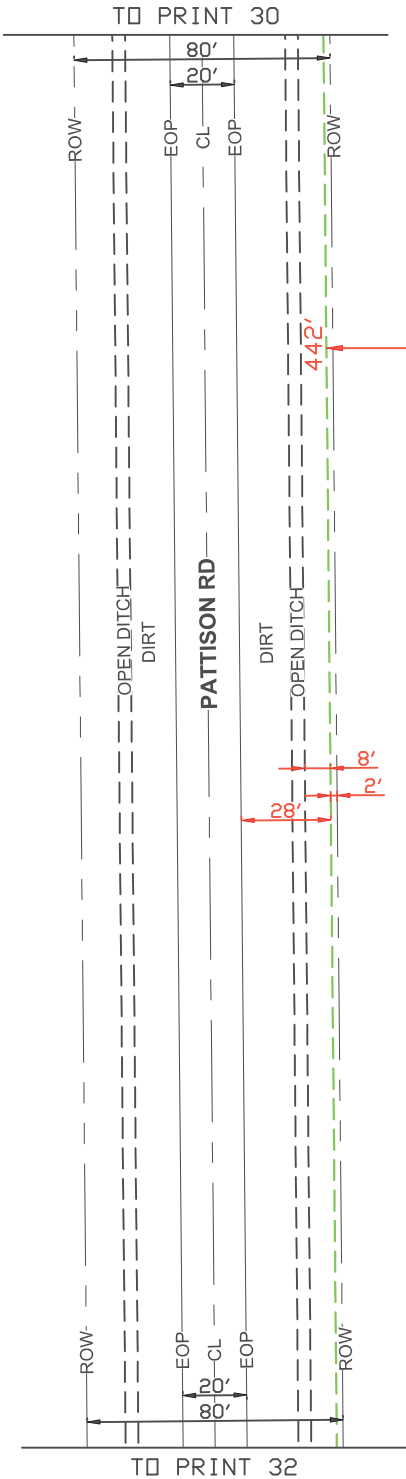
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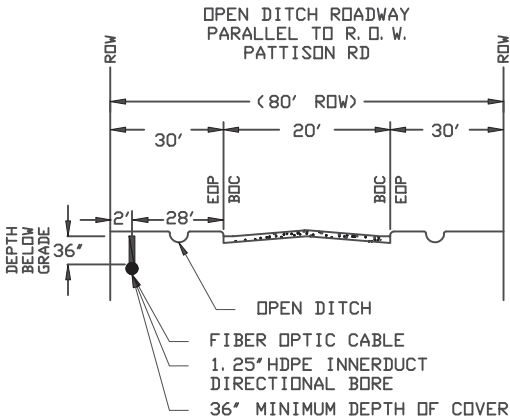
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DIRECTIONAL BORE @36"
TO PLACE 442' OF
FIBER OPTIC CABLE
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13430 NW FWY, SUITE 250, HOUSTON, TX 77040-6020 (713) 574-2742			
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PROPOSED AT&T BURIED PLACEMENT

PROPOSED AT&T FIBER HAND HOLE

PROPOSED PEDESTAL

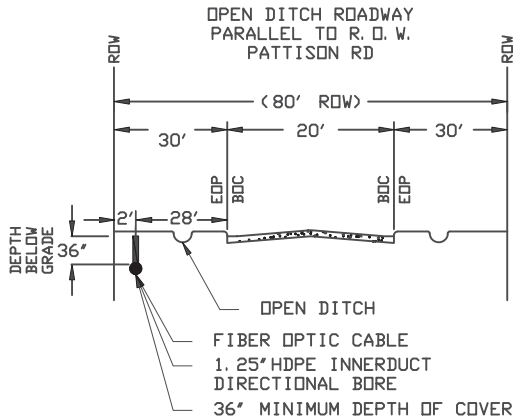
RIGHT-OF-WAY

F. D. C.

CENTERLINE

GAS LINE

OPEN DITCH



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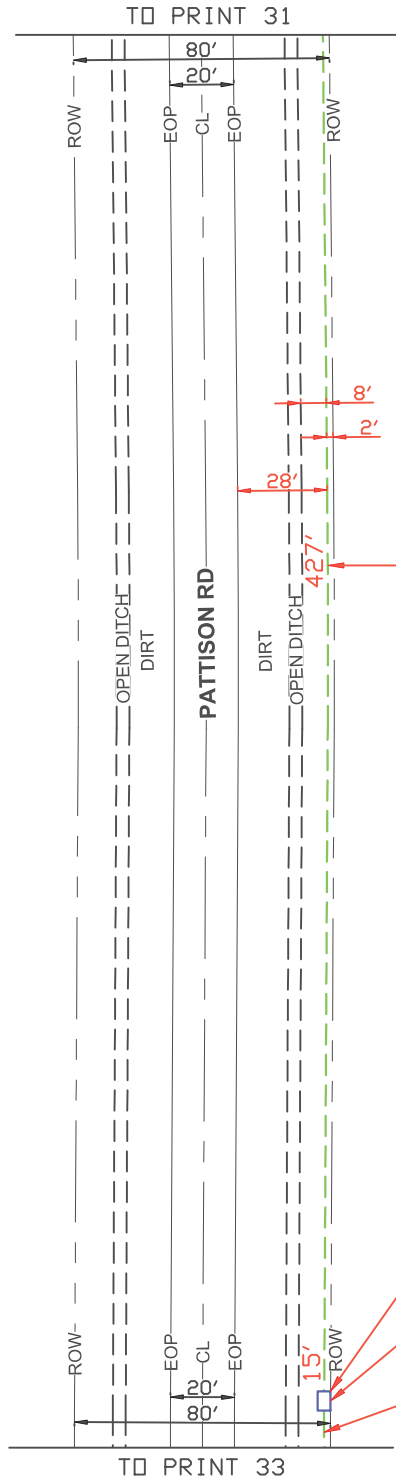
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DIRECTIONAL BORE @36" TO PLACE 427' OF FIBER OPTIC CABLE IN HDPE INNERDUCT CONDUIT

PROPOSED HANDHOLE (29.918408, -95.907636) LOCATED 5,059' SOUTH OF HEBERT RD C/L

PLACE NEW 24"X36" HANDHOLE

DIRECTIONAL BORE @36" TO PLACE 15' OF FIBER OPTIC CABLE IN HDPE INNERDUCT CONDUIT

BEFORE YOU DIG!
2 DAYS PRIOR
CALL 811



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PROJECT DESIGNATED ADDRESS: 8992 PATTISON RD KATY, TX 77493		A02WEB4 1":60'
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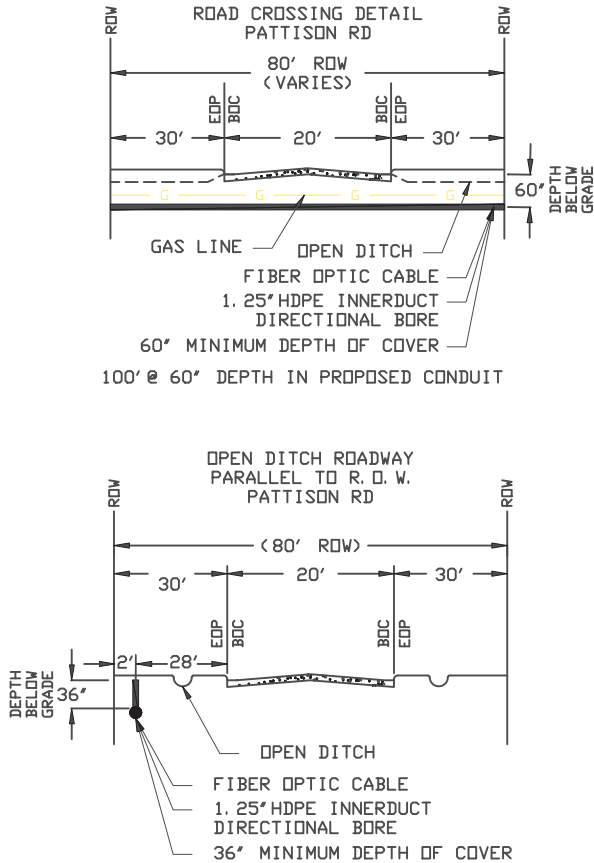
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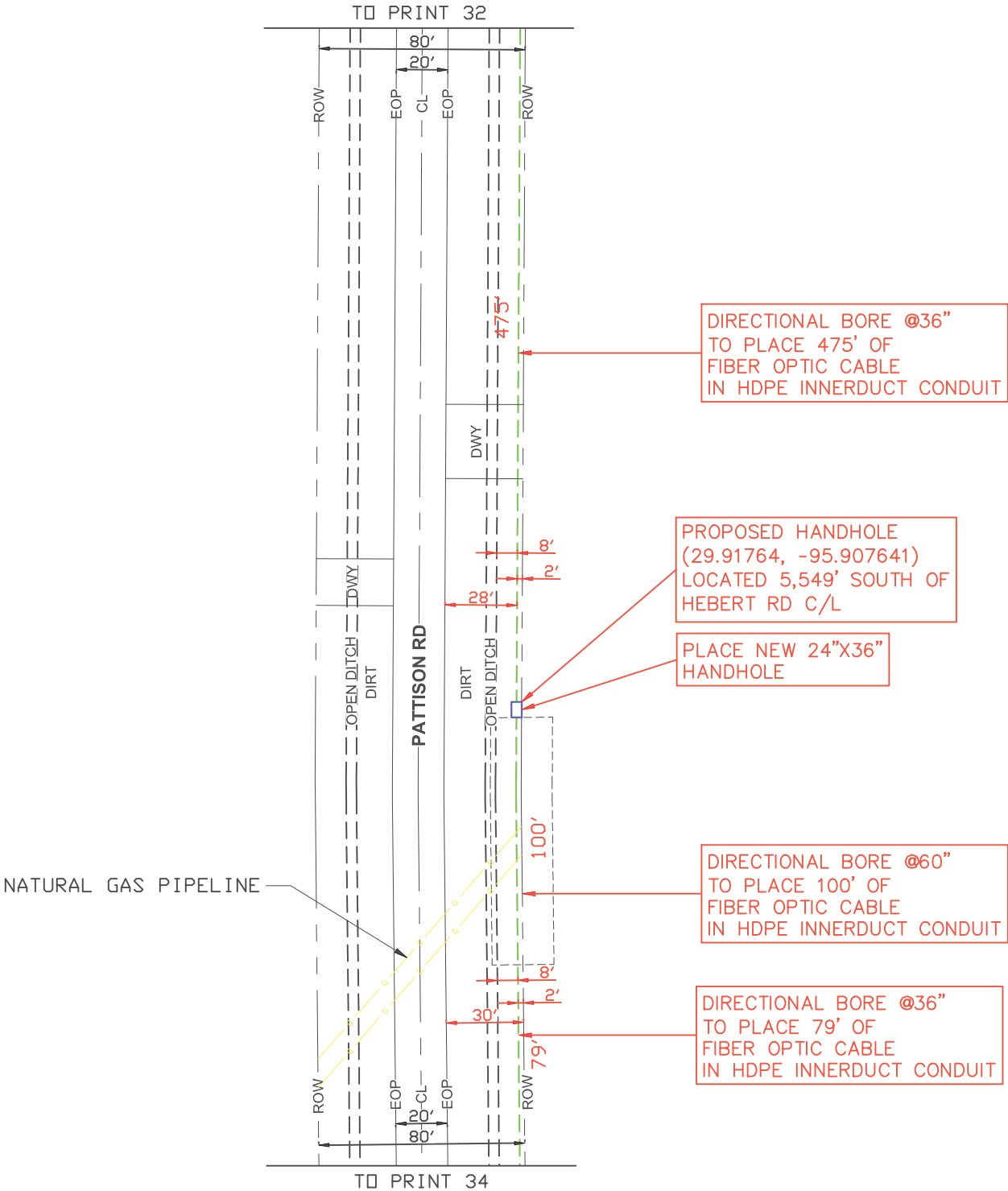
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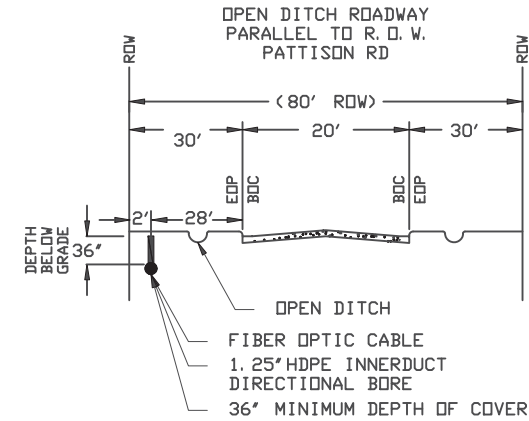
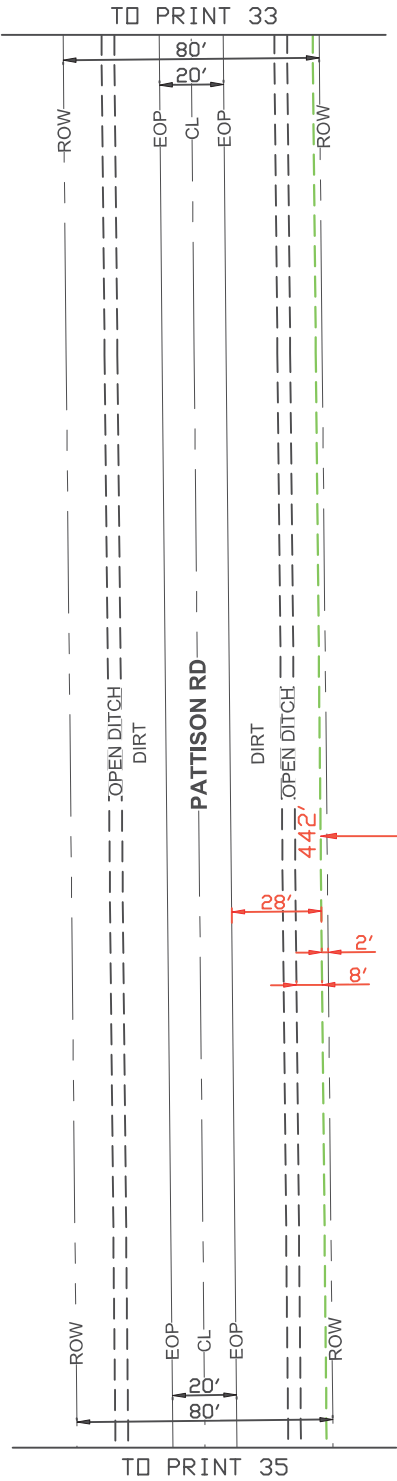
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PROJECT DESIGNATED ADDRESS: 8992 PATTISON RD KATY, TX 77493		A02WEB4 1":60'	
DRAWING NAME: A02WEB4 -BYERS-8992 PATTISON RD			
ENGINEER ID:	PM286C	BYERS ENGINEER:	FREDDY RODRIGUEZ
		Note: applicant's exemption from providing an engineer's seal to proposed plans, drawings & other documents per Texas Board of Professional Engineers and Land Surveyors exemptions for cost below threshold.	
		https://pels.texas.gov/downloads/TBPELSDiagrammatic.pdf	
		and per Occupations Code Title 6.	
		https://statutes.capitol.texas.gov/docs/OC/htm/OC.1001.htm for telecom purposes.	
13430 NW FWY, SUITE 250, HOUSTON, TX 77040-6020 (713) 574-2742			
DRAWN BY:	GARDHIL A. CAYBIN		PRINT: 34 OF: 44

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LEGEND

PROPOSED AT&T BURIED PLACEMENT

PROPOSED AT&T FIBER HAND HOLE

PROPOSED PEDESTAL

RIGHT-OF-WAY

F. O. C.

CENTERLINE

GAS LINE

OPEN DITCH

BEFORE YOU DIG!
2 DAYS PRIOR
CALL 811



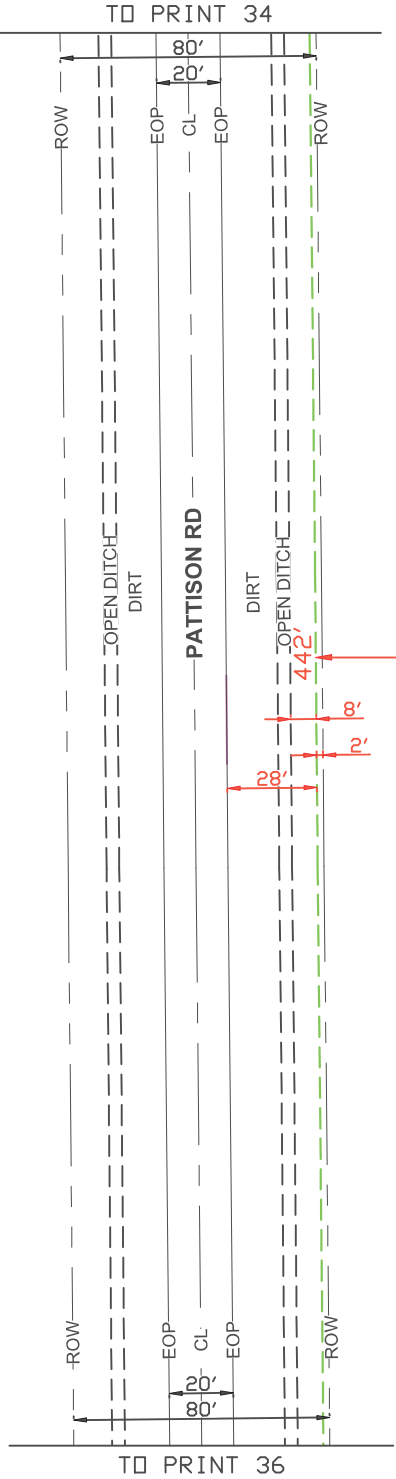
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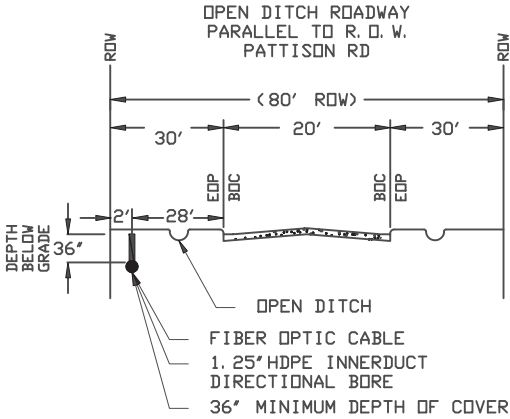
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CONSTRUCTION DRAWING



DIRECTIONAL BORE @36" TO PLACE 442' OF FIBER OPTIC CABLE IN HDPE INNERDUCT CONDUIT



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PROJECT DESIGNATED ADDRESS:			A02WEB4 1":60'
8992 PATTISON RD KATY, TX 77493			
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13430 NW FWY, SUITE 250, HOUSTON, TX 77040-6020 (713) 574-2742			
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PROPOSED AT&T FIBER HAND HOLE

PROPOSED PEDESTAL

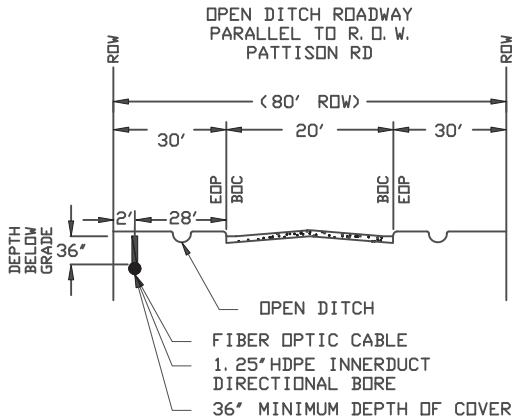
RIGHT-OF-WAY

F. O. C.

CENTERLINE

GAS LINE

OPEN DITCH



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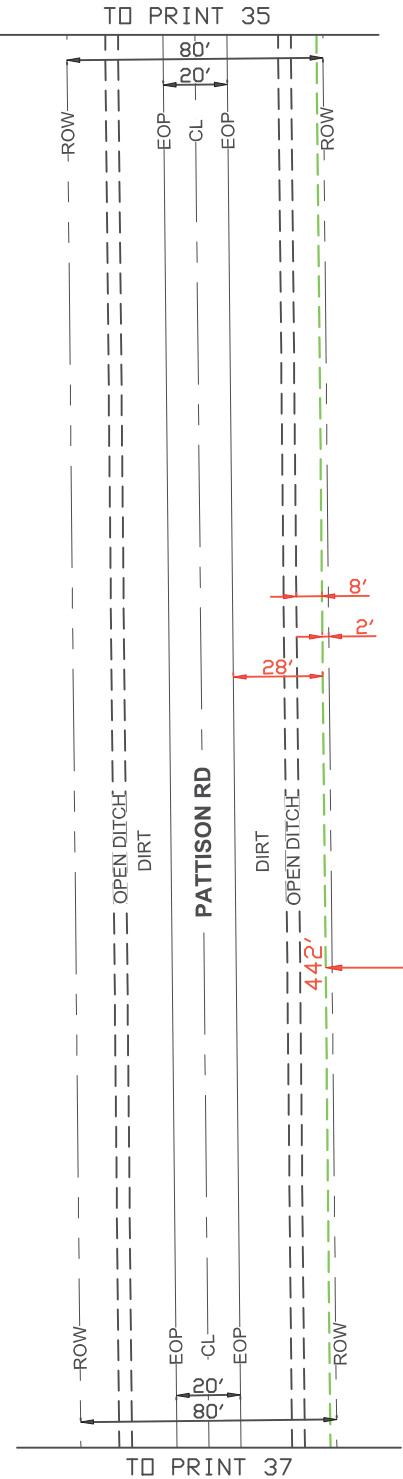
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DIRECTIONAL BORE @36" TO PLACE 442' OF FIBER OPTIC CABLE IN HDPE INNERDUCT CONDUIT

BEFORE YOU DIG!
2 DAYS PRIOR
CALL 811



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DRAWING NAME:		A02WEB4 -BYERS-8992 PATTISON RD	
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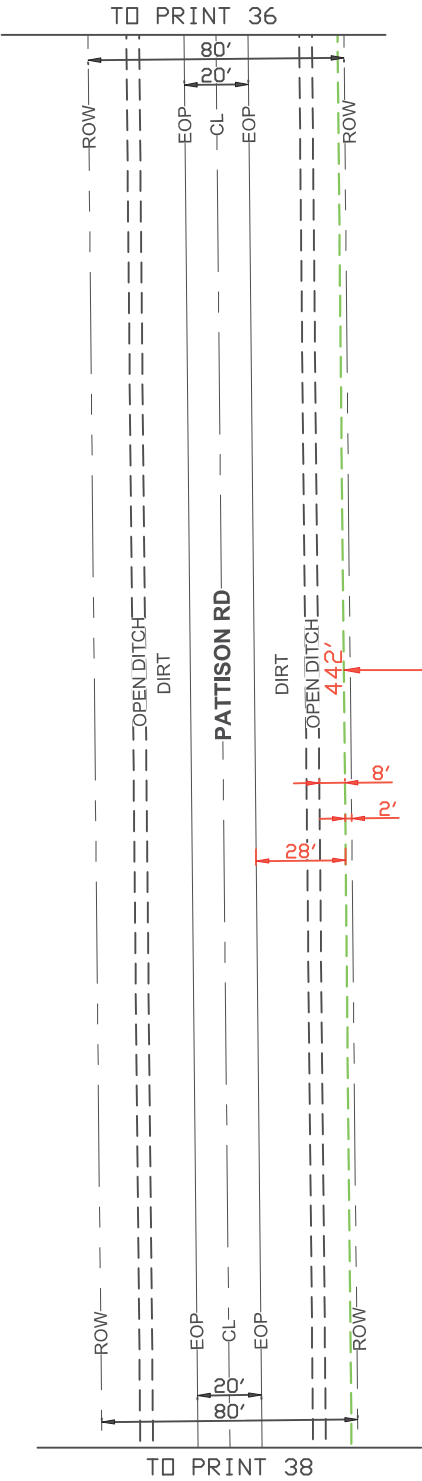
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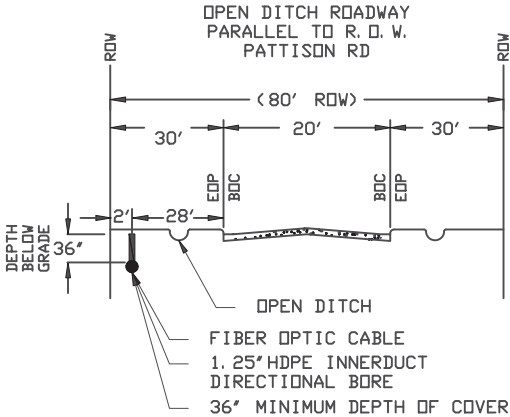
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13430 NW FWY, SUITE 250, HOUSTON, TX 77040-6020 (713) 574-2742		
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PROPOSED AT&T FIBER HAND HOLE

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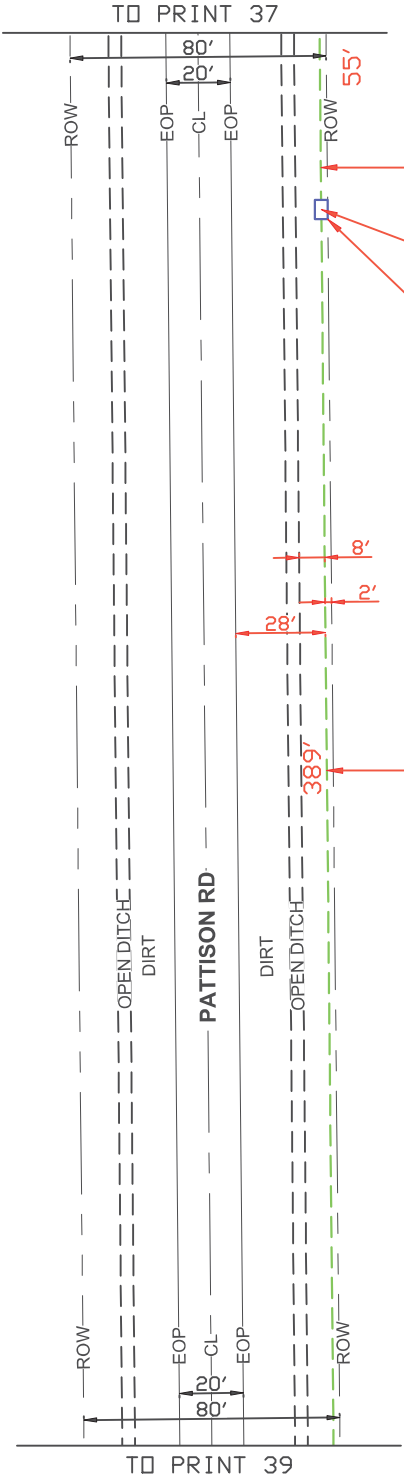


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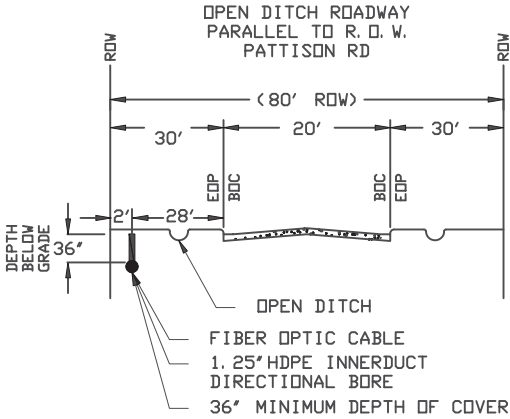


DIRECTIONAL BORE @36" TO PLACE 55' OF FIBER OPTIC CABLE IN HDPE INNERDUCT CONDUIT

PLACE NEW 24"X36" HANDHOLE

PROPOSED HANDHOLE (29.912145, -95.907583) LOCATED 7,549' SOUTH OF HEBERT RD C/L

DIRECTIONAL BORE @36" TO PLACE 389' OF FIBER OPTIC CABLE IN HDPE INNERDUCT CONDUIT



REV: 00	REVDATE:	09.03.2024
PROJECT DESIGNATED ADDRESS: 8992 PATTISON RD KATY, TX 77493		A02WEB4 1":60'
DRAWING NAME: A02WEB4 -BYERS-8992 PATTISON RD		
ENGINEER ID: PM286C	BYERS ENGINEER:	FREDDY RODRIGUEZ
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13430 NW FWY, SUITE 250, HOUSTON, TX 77040-6020 (713) 574-2742		
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GAS LINE

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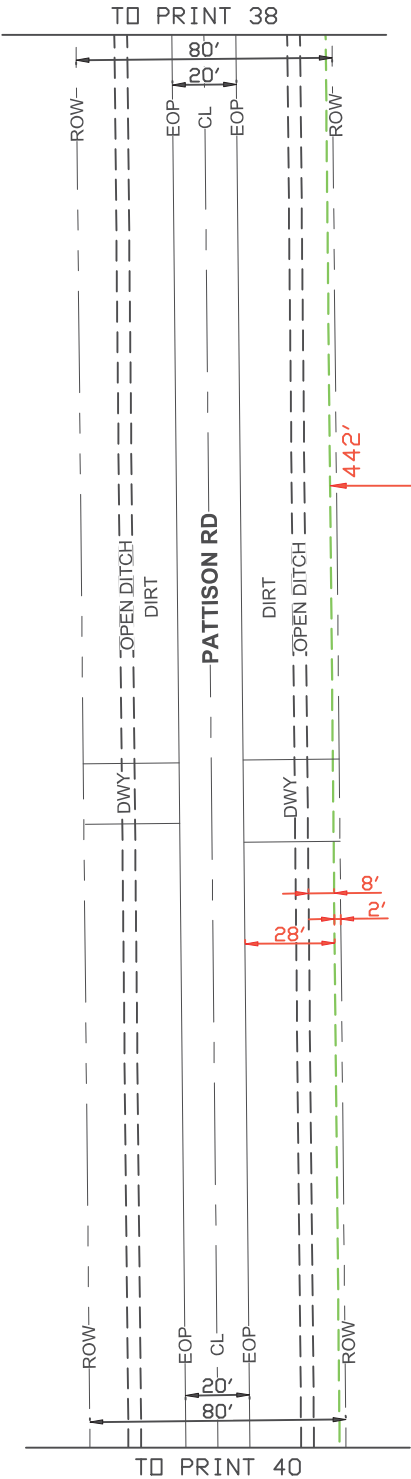


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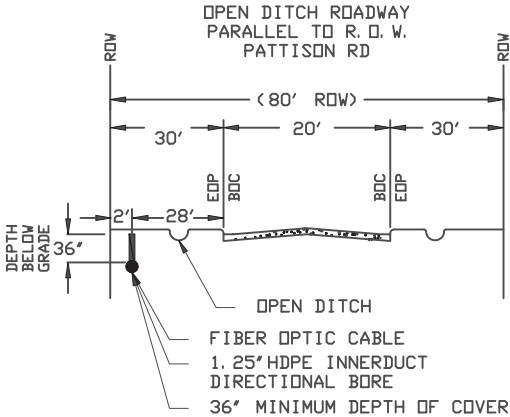
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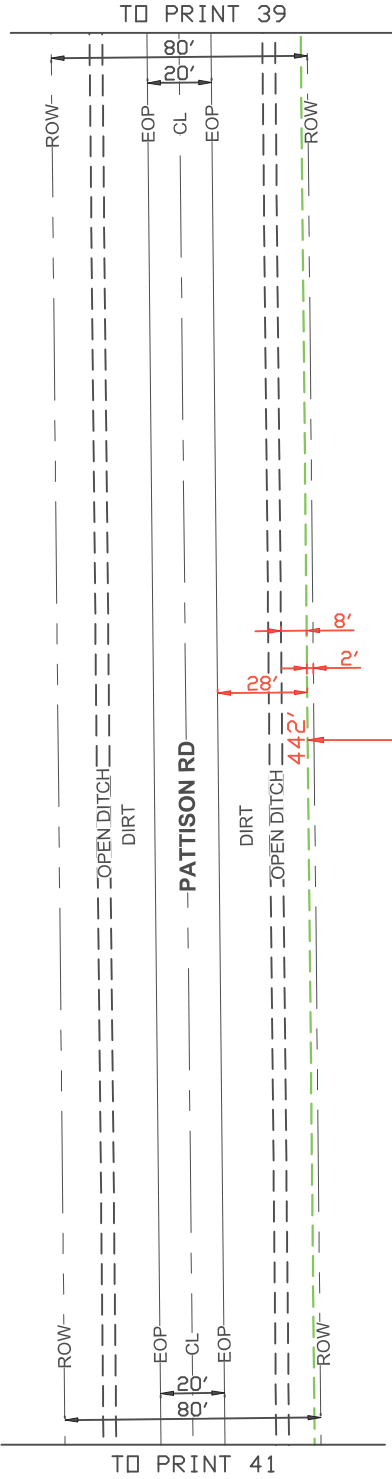


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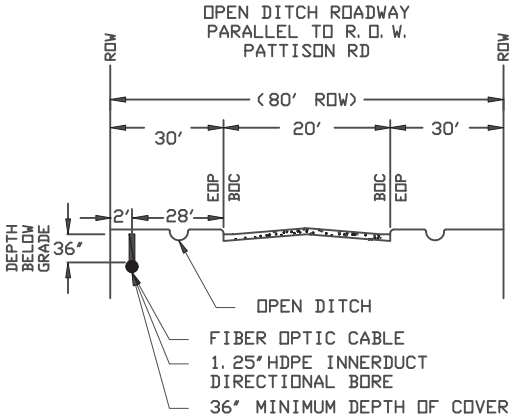
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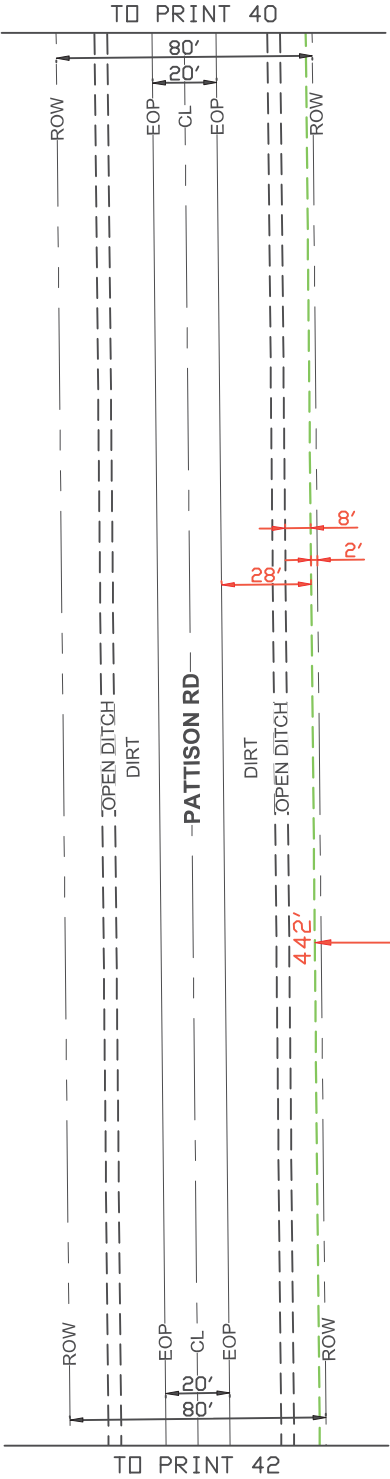


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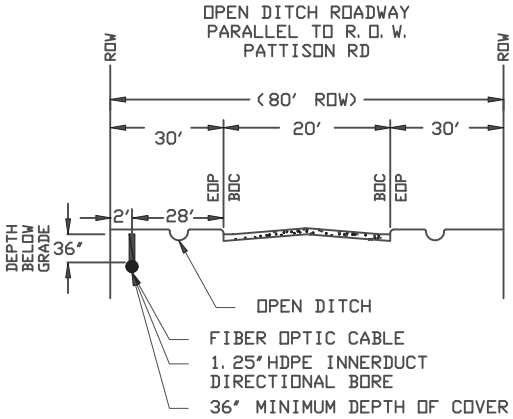
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NOTE:
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EXPOSE ALL UTILITIES IN AREA BEFORE CROSSING.



DIRECTIONAL BORE @36" TO PLACE 442' OF FIBER OPTIC CABLE IN HDPE INNERDUCT CONDUIT



REV: 00	REVDATE:	09.03.2024
PROJECT DESIGNATED ADDRESS: 8992 PATTISON RD KATY, TX 77493		A02WEB4 1":60'
DRAWING NAME: A02WEB4 -BYERS-8992 PATTISON RD		
ENGINEER ID: PM286C	BYERS ENGINEER:	FREDDY RODRIGUEZ
		Note: applicant's exemption from providing an engineer's seal to proposed plans, drawings & other documents per Texas Board of Professional Engineers and Land Surveyors exemptions for cost below threshold. https://pels.texas.gov/downloads/TBPELSDiagrammatic.pdf and per Occupations Code Title 6. https://statutes.capitol.texas.gov/docs/OC/htm/OC.1001.htm for telecom purposes.
13430 NW FWY, SUITE 250, HOUSTON, TX 77040-6020 (713) 574-2742		
DRAWN BY: GARDHIL A. CAYBIN	PRINT: 41	OF: 44

CONSTRUCTION DRAWING

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1. NO MORE TRENCH OPENED AT ONE TIME THAN CAN BE BACKFILLED AND COMPACTED IN 10" LIFTS AT END OF EACH WORK DAY. (NO TRENCH LEFT OPEN OVERNIGHT).
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 5. IF IT BECOMES NECESSARY FOR EQUIPMENT TO OPERATE ON A PORTION OF THE PAVEMENT, PRECAUTIONS SHOULD BE TAKEN TO PREVENT ANY DAMAGE WHATSOEVER TO THE PAVEMENT.
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 7. MIN DEPTH TO TOP OF CABLE OR CONDUIT IS TO BE 36" BELOW CROWN OF ROAD AND 36" BELOW ANY ROADSIDE OPEN DITCH.

LEGEND

PROPOSED AT&T BURIED PLACEMENT

PROPOSED AT&T FIBER HAND HOLE

PROPOSED PEDESTAL

RIGHT-OF-WAY

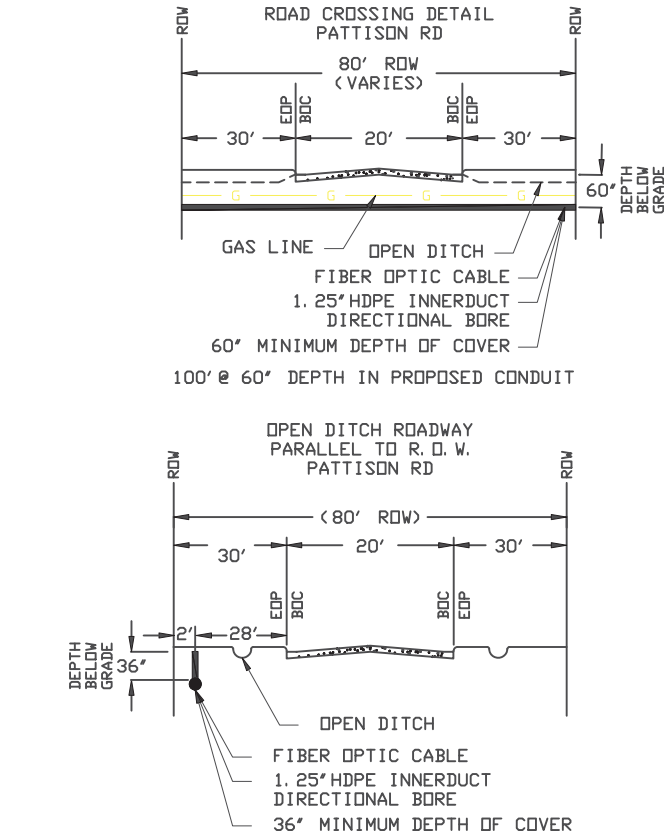
F. O. C.

CENTERLINE

GAS LINE

OPEN DITCH

BEFORE YOU DIG!
2 DAYS PRIOR
CALL 811

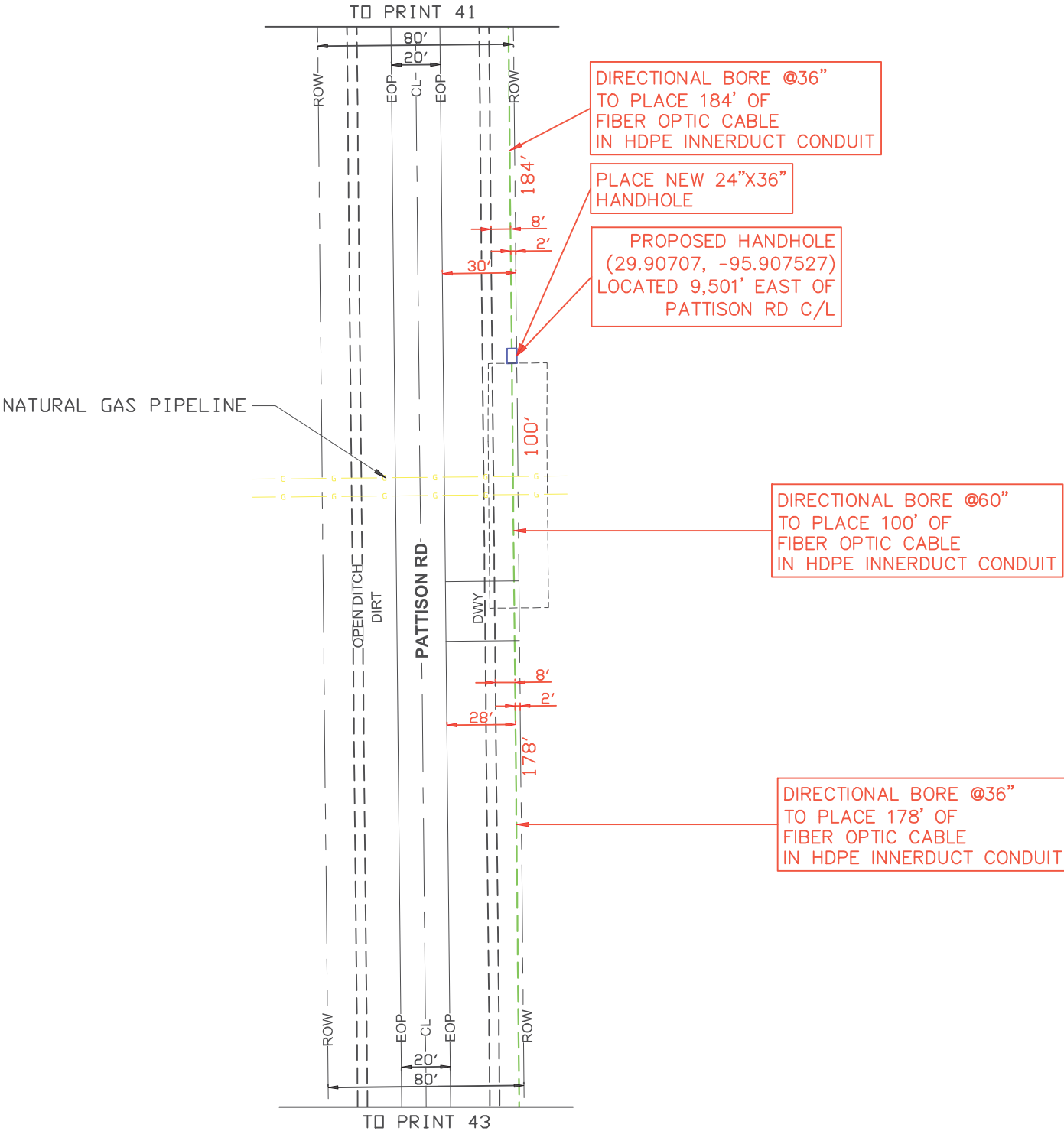


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PROPOSED PEDESTAL

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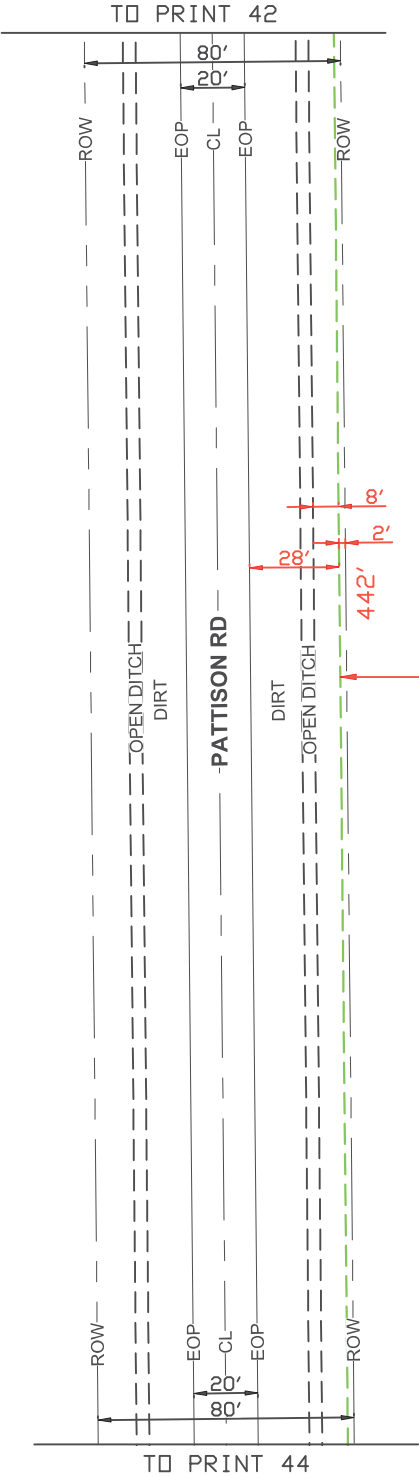
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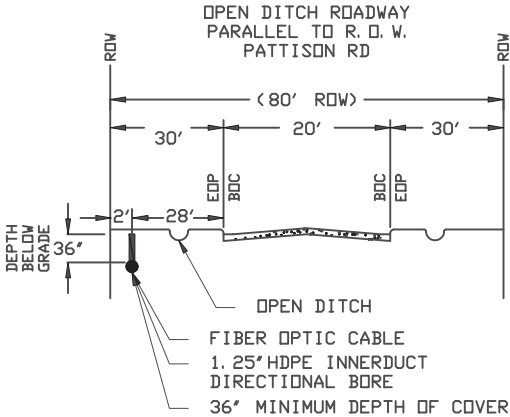
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13430 NW FWY, SUITE 250, HOUSTON, TX 77040-6020 (713) 574-2742			
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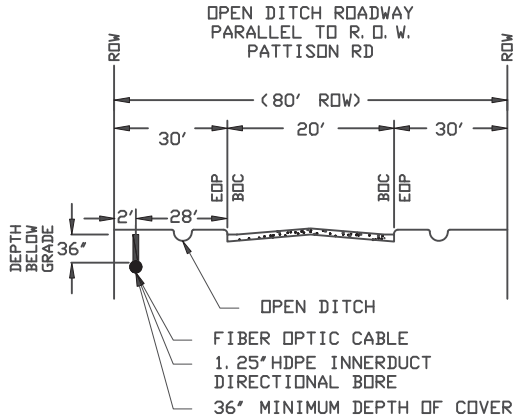
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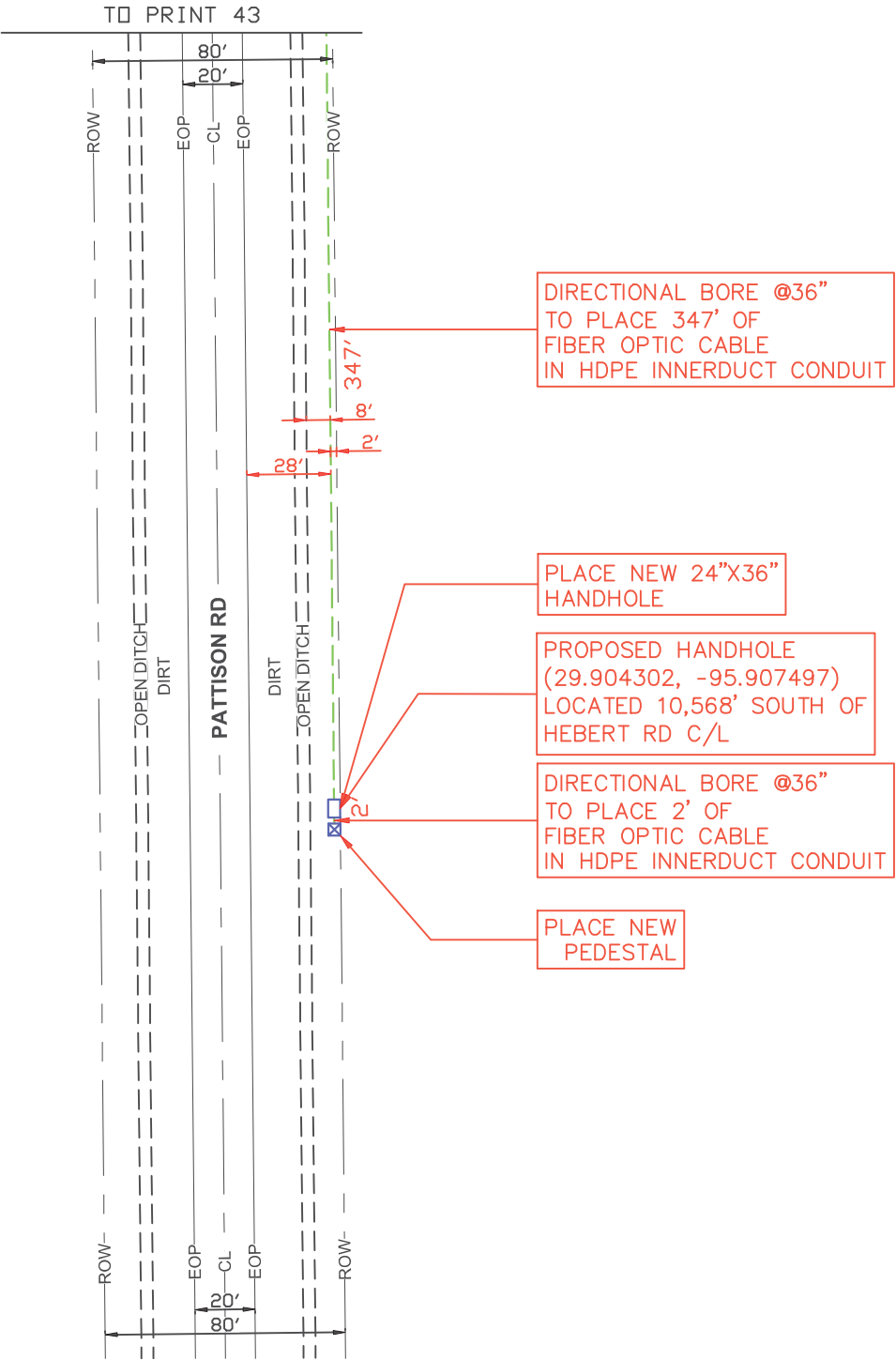
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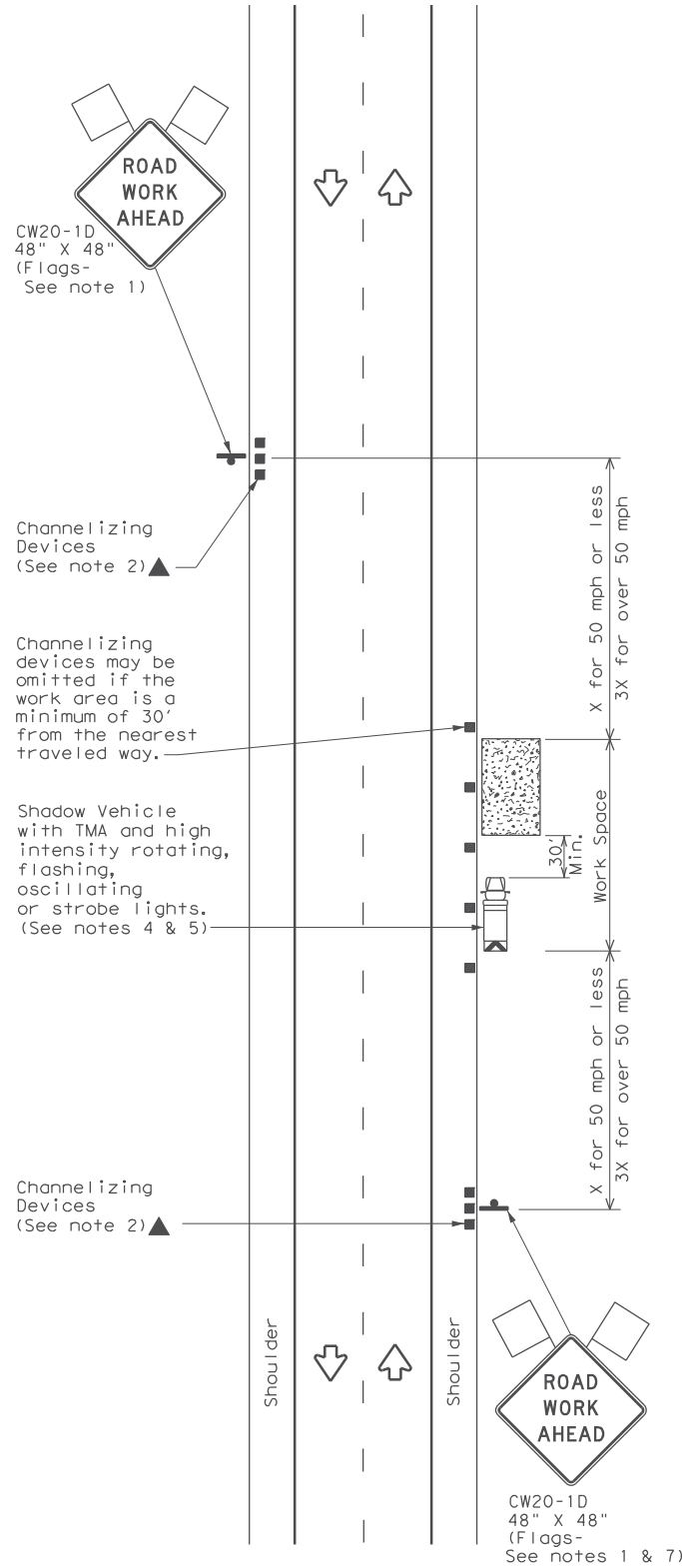


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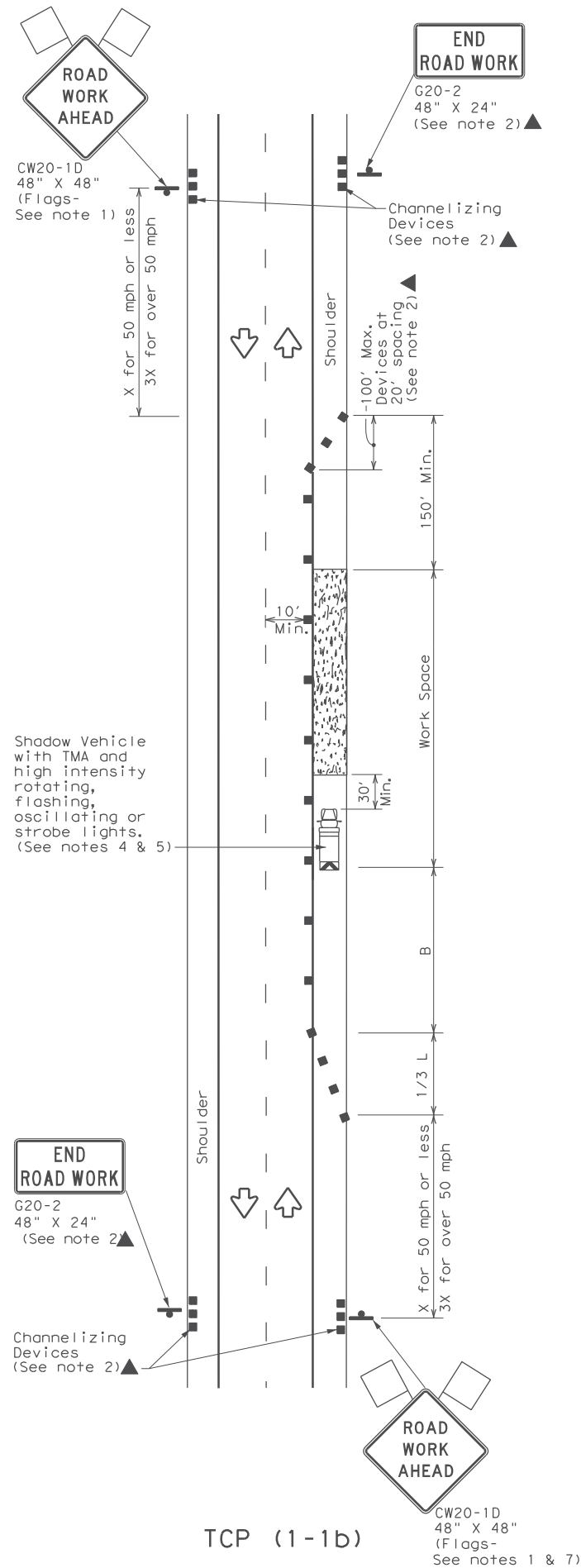
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DATE: FILE:



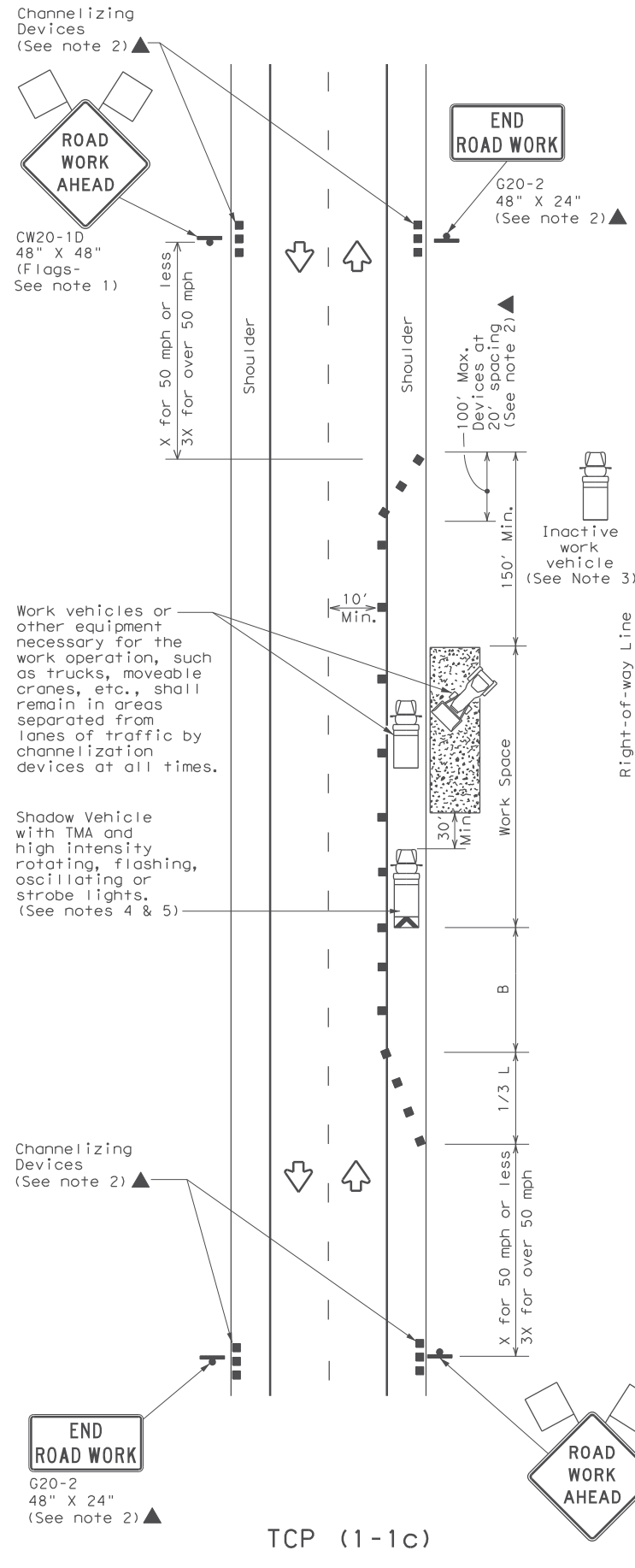
TCP (1-1a)

WORK SPACE NEAR SHOULDER
Conventional Roads



TCP (1-1b)

WORK SPACE ON SHOULDER
Conventional Roads



TCP (1-1c)

WORK VEHICLES ON SHOULDER
Conventional Roads

LEGEND			
	Type 3 Barricade		Channelizing Devices
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)
	Trailer Mounted Flashing Arrow Board		Portable Changeable Message Sign (PCMS)
	Sign		Traffic Flow
	Flag		Flagger

Posted Speed *	Formula	Minimum Desirable Taper Lengths **			Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing "X" Distance	Suggested Longitudinal Buffer Space "B"
		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent		
30	$L = \frac{WS^2}{60}$	150'	165'	180'	30'	60'	120'	90'
35		205'	225'	245'	35'	70'	160'	120'
40		265'	295'	320'	40'	80'	240'	155'
45	L = WS	450'	495'	540'	45'	90'	320'	195'
50		500'	550'	600'	50'	100'	400'	240'
55		550'	605'	660'	55'	110'	500'	295'
60		600'	660'	720'	60'	120'	600'	350'
65		650'	715'	780'	65'	130'	700'	410'
70		700'	770'	840'	70'	140'	800'	475'
75		750'	825'	900'	75'	150'	900'	540'

* Conventional Roads Only

** Taper lengths have been rounded off.

L=Length of Taper (FT) W=Width of Offset (FT) S=Posted Speed (MPH)

TYPICAL USAGE				
MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
	✓	✓		

GENERAL NOTES

- Flags attached to signs where shown are REQUIRED.
- All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
- Inactive work vehicles or other equipment should be parked near the right-of-way line and not parked on the paved shoulder.
- A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
- Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect wider work spaces.
- See TCP(5-1) for shoulder work on divided highways, expressways and freeways.
- CW21-5 "SHOULDER WORK" signs may be used in place of CW20-1D "ROAD WORK AHEAD" signs for shoulder work on conventional roadways.



Traffic Operations Division Standard

TRAFFIC CONTROL PLAN CONVENTIONAL ROAD SHOULDER WORK

TCP (1-1) - 18

FILE: tcp1-1-18.dgn	DN:	CK:	DW:	CK:
© TxDOT December 1985	CONT	SECT	JOB	HIGHWAY
REVISIONS				
2-94 4-98				
8-95 2-12				
1-97 2-18				
	DIST	COUNTY		SHEET NO.