



**Permit Application for  
Utility Installation Proposal  
in County Right-of-Way or Easement**

Permit No.: 23-061

Rec'd Date: 10-16-23

Decision: \_\_\_\_\_

Signature: \_\_\_\_\_

Comments: \_\_\_\_\_

**Lubbock County Public Works**

P.O. Box 10536

Lubbock, Texas 79408

[PublicWorks@LubbockCounty.gov](mailto:PublicWorks@LubbockCounty.gov)

Phone: 806.775-1664

*Pursuant to §251.016 The Commissioners Court may exercise general control over all roads in the county.*

**Section 1: Application Information**

A. Applicant: Poka Lambro Telephone Cooperative B. Contractor: EPI Communications Consultants

Address: 560 US-87, Wilson, Texas, 79381 Address: 4412 74th Street, Suite C-100

Lubbock, Texas, 79424

Contact Name: Chad Swinford Contact Name: Manuel Hernandez

Phone: (806) 759-1633 Phone: (806) 474-6799

Email: cswinford@teampoka.com Email: manuel.hernandez@epi-cc.com

**Section 2: Proposal Details (Locations, Type, and Timeline of Installation)**

A. Location of Installation: (if applicable, length of installation in feet): Ave P - (From FM1585 to CR 7500)

765 feet buried within TXDOT ROW, 4,870 feet of aerial construction within County ROW, & 610' of buried within County ROW

B. Type of installation: 48 Strand - Fiber Optic Telecommunications within 1.25" HDPE Conduit

Yes

No

☒

☐

Completed Application

☐

☒

Does this pipeline fall under the Texas Railroad Commission (flow lines)

☐

☒

Will the line transport salt brine?

C. Proposed length of installation activities: 14-21 Days (calendar days or working days)

Proposed start date: 16 October 2023

Completion date: 03 November 2023

*Applicant will commence actual construction/work in good faith within 60 days from the date this Proposal is approved by the Lubbock County Commissioners Court. If such construction/work is not begun by the 60<sup>th</sup> day, Applicant will be required to apply for a new proposal.*

**Section 3: Submittal Checklist**

☒

Completed Application

☒

Drawings/plans-Attach the drawings of the type of work, location, a Traffic Control Plan (in accordance with the Texas Manual on Uniform Traffic Control Devices) and description of the proposed line shown. The material specifications, minimum yield strength, and maximum operation pressure must be described on the attached drawings.

☒

Check Payment (If the Application is denied, then the amount will be refunded to Applicant)

Type of Installation	Crossing	Longitudinal
Overhead	\$150	\$50 per mile, maximum of \$150
Underground	\$250	\$75 per mile, maximum of \$250

Manuel Hernandez  
Signature of Responsible Party

Technical Specialist  
Title

10 / 12 / 2023  
Date

## **Section 4: Rules and Guidance**

It is expressly understood that Lubbock County (hereinafter "the County") does not purport, hereby, to grant any right, claim, title, or easement in or upon a County road and it is further understood that should the County, for any reason at the sole discretion of the County, determine a need to work on, improve, relocate, widen, increase, add to, or in any manner change the structure of a right-of-way, the line, if affected, will be moved and relocated at the complete expense of Applicant, or owner of the line, if not the Applicant, to a location designated by the County.

Applicant acknowledges that prior to the submission of the Proposal, Applicant, or the owner of the line, if not the Applicant, has ascertained the location of all existing utilities, both aerial and underground, and the submission of this Proposal is prima facie evidence that the proposed installation will not conflict with any existing utility or other line.

All work on the County right-of-way shall not damage any part of the road way. If any damage does occur, Applicant, or owner of the line, if not the Applicant, is responsible for all expenses related to the repair of the road.

### **A. Pre-Construction Responsibilities**

1. If the Proposal is accepted, the Applicant will assume all risks and hazards incidental to its use of the County's right-of-way under this Proposal and hold harmless, indemnify, and defend Lubbock County, its officers, employees and agents from any and all claims, suits, or actions arising out of Applicant's performance under this Proposal.
2. The Applicant shall provide within 5 business days, upon the written request of the County, proof of Insurance for and maintain, at Applicant's sole cost and expense, the following insurance coverage: (a) Industrial/Workers' Compensation Insurance protecting Applicant and the County from potential employee claims based upon job-related sickness, injury, or accident during performance of this Proposal; and (b) Comprehensive General Liability (including, without limitation, bodily injury and property damage) insurance with respect to Applicant's agents and vehicles assigned to perform the services described by this Proposal with policy limits of not less than \$1,000,000 combined single limit occurrence and \$2,000,000 in the aggregate. Lubbock County shall be named as an additional insured party and such notation shall appear on the certificate of insurance furnished by Applicant's insurance carrier.
3. The Applicant shall secure all other necessary permits, licenses, or approvals before starting work. Applicant will make the appropriate notification to Texas One Call/811 Service, in advance of the commencement of any work arising from this Proposal.
4. Approval of this Proposal is permissive, is subject to the public right of travel on and access to the right-of-way, and may not be assigned.
5. All residents or businesses affected by any scheduled maintenance causing road closure, or interruption of any utility service shall be notified forty-eight hours prior to any work. Emergency situations are exempt.
6. The County's Director of Public Works is to be notified 2 business days prior to the beginning of any work at (806) 775-1661. Failure to notify prior to the beginning of any work will constitute grounds for job shutdown and/or fines as defined in Section D.

### **B. During Construction Responsibilities**

1. Signs and traffic controls shall comply with the current edition of the Manual on Uniform Traffic Control Devices, as approved by the Texas Department of Transportation. When necessary, flagmen shall be provided by Applicant.
2. Restoration of the right-of-way is required and shall be completed within 10 business days of the completed work within the right-of-way, unless otherwise approved by the Director of Public Works.
3. The cost of any repairs to road surface, roadbed, structures or other right-of-way features as a result of this installation will be borne by the owner of the line. Any costs to repair or replace the line will be borne by the owner of the line.
4. Where turf is disturbed by excavation or by backfilling operations, such areas shall be replaced by mulch sodding on all slopes of 2% or less. All slopes over 2% shall be replaced by block sodding.
5. All underground lines are to be installed a minimum of 36 inches below flow line of the adjacent drainage or borrow ditch.
6. All buried lines carrying an electrical current, or electronic or optical signal shall have yellow plastic tape at least two inches in width, buried a minimum of twelve inches above such lines.
7. Lines crossing under improved roads shall be placed by boring. Where right-of-ways widths will permit, boring shall extend for a minimum distance of ten foot on either side of the pavement.
  - a. In the event, where Applicant presents sufficient evidence illustrating the impracticability of boring, the



Commissioners Court may grant permission, on a case by case basis, to cut the surface of the road. In the event a cut is permitted, the work shall be conducted pursuant to the specifications of the Public Works Office and following condition:

- (i). All backfilling of dirt or caliche, within the width of the roadway, shall be done at optimum moisture, in 6" lifts and compacted sufficiently to obtain 95% Modified Standard Proctor density. Density tests from a reliable testing laboratory shall be furnished as required. Applicant is responsible for the costs of these tests.
  - (ii). Instead of utilizing the above procedure to backfill materials, the Applicant, may utilize flowable fill to backfill.
8. All excavations within the right of way and not under the road shall be backfilled by ordinary compaction with moisture added by placing the material in 6 inch layers. If the location of excavated materials is at least 5 feet outside the boundaries of the shoulder of the road, the material may be replaced by backfilling in 1 foot layers, and the material must have moisture added to secure normal density.
  9. Any temporary backfill and the permanent patch on any roadway surface shall be placed and maintained at an elevation equal to the original grade of the roadway.
  10. All lines under roads carrying pressure in excess of 50 psi shall be enclosed in satisfactory casing extending from right-of-way line to right-of-way line. Pipe used for casing may be any type approved by the Director of Public Works and shall be capable of resisting rupture, supporting the roadbed and traffic loads, and road construction, and shall be constructed such that there is no leakage through the casing, carrier pipe, joints or couplings.
  11. Overhead lines will have a minimum clearance of 18 feet above the road surface at point of crossing.
  12. No lines are to be installed under or within 50 feet of either end of a bridge. No lines shall be placed in a culvert or within 10 feet of the closest point of same.
  13. Parallel lines will be installed within 2 feet of the right of way, unless otherwise approved by the Director of Public Works, and no parallel line will be installed in the roadbed or between the drainage ditch and roadbed, unless otherwise approved by the Director of Public Works.
  14. Right-of-way surfaces shall be cleaned before the end of each day's work. All catch basins, culverts or other improvements affected by any deposits of dirt, mud, rock, debris, or other material shall be cleaned daily or as specified by the County.
  15. Any poles or pedestals necessary to underground cable installation within the County's right-of-way shall be placed with 18" of the nearer right-of-way line.

#### C. Post Construction Responsibilities

1. Final Inspection: All Proposals must have a final inspection once work is complete. Please call (806) 775-1661 to schedule a final inspection.
2. In the event Applicant's proposal is not approved prior to the installation of a line or Applicant does not install the line in compliance with the requirements established in this Proposal, Applicant, or owner of the line, if not the Applicant, assumes all financial responsibility for damages and/or destruction of lines, cables, etc. based upon its failure to comply with Lubbock County requirements.
3. This is a revocable Proposal. Lubbock County reserves the right to revoke approval of this Proposal at any time, in the sole discretion of Lubbock County, for interests of public health, safety or welfare, or for failure to repair any damages upon demand, or for any reason deemed sufficient by Lubbock County.

#### D. Fines for Non-Compliant Installation

Fines will be assessed for non-compliant installations as follows:

Type of Installation	Crossings	Longitudinal
Overhead	\$300	\$100 per mile, maximum of \$300
Underground	\$500	\$150 per mile, maximum of \$500



TO:

October 12, 2023

Lubbock County Public Works  
P.O. Box 10536  
Lubbock, Texas 79408  
[publicworks@lubbockcounty.gov](mailto:publicworks@lubbockcounty.gov)  
Phone: 806 775 1664

SUBJECT: Lubbock, TX – FTTx – Ave P - Road Widening Project

ATTN: Lubbock County Public Works Director/Engineer

EPI Communications Consultants has been contracted by Poka Lambro Telephone Company to develop and design the construction and installation of a fiber optic telecommunications line along Ave P from FM 1585 (130<sup>th</sup> Street) to County Road 7500 (146<sup>th</sup> Street), within Lubbock County.

Construction will begin, via underground methods utilizing existing innerduct placed by AT&T, in the east right of way, just north of FM 1585. It is understood that TxDOT currently has an ongoing project at this intersection (see additional notes on design sheets). From the starting location, we shall cross to the west right-of-way then proceed south.

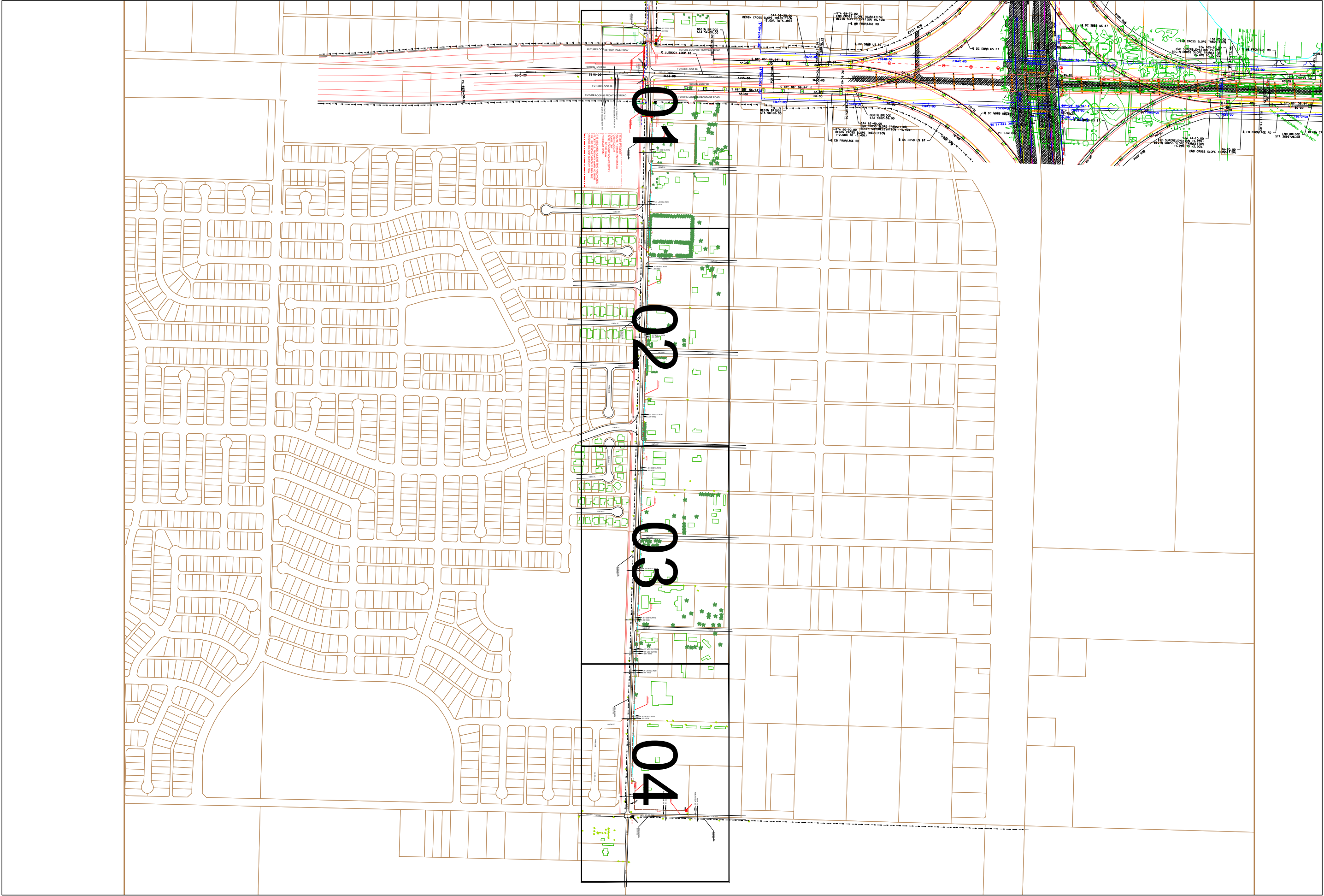
At the southwest corner of what shall be the new Loop 88 and Ave P, we intend to cross back to the east right of way. From there we will riser-up an existing South Plains Electric Cooperative (SPEC) pole. Aerial attachment and construction will begin at this pole. Aerial attachment and construction shall conclude at Pole 23, annotated on sheet 4.

From Pole 23, we shall riser-down and begin new buried construction within the east right of way of Ave P. Once we approach the north-east corner of Ave P and CR 7500, we shall immediately turn east and proceed along CR 7500 within the north right-of-way. Construction will conclude at approximately 370' from the intersection where a proposed handhole will be placed.

If you have any questions, please contact me at 806-474-6799.

Sincerely,  
Manuel Hernandez  
Technical Specialist  
EPI Communications Consultants





POKA LAMBRO

LEGEND

EXISTING STRAND

NEW STRAND

BFO12

BFO24

BFO48

CO12

CO24

CO48

EXISTING DOWN GUY

PROPOSED DOWN GUY

PROPOSED SNOW SHOE

PROPOSED SLACK SPAN

EXISTING AERIAL ACCESS

PROPOSED AERIAL ACCESS

EXISTING HAND-HOLE

PROPOSED HAND-HOLE

EXISTING FIBER PED

PROPOSED FIBER PED

UTILITY POLE

SPL PED

BORE

TREE

KEY MAP

SCALE

1 : 50.00

SHEET NUMBER

KEY

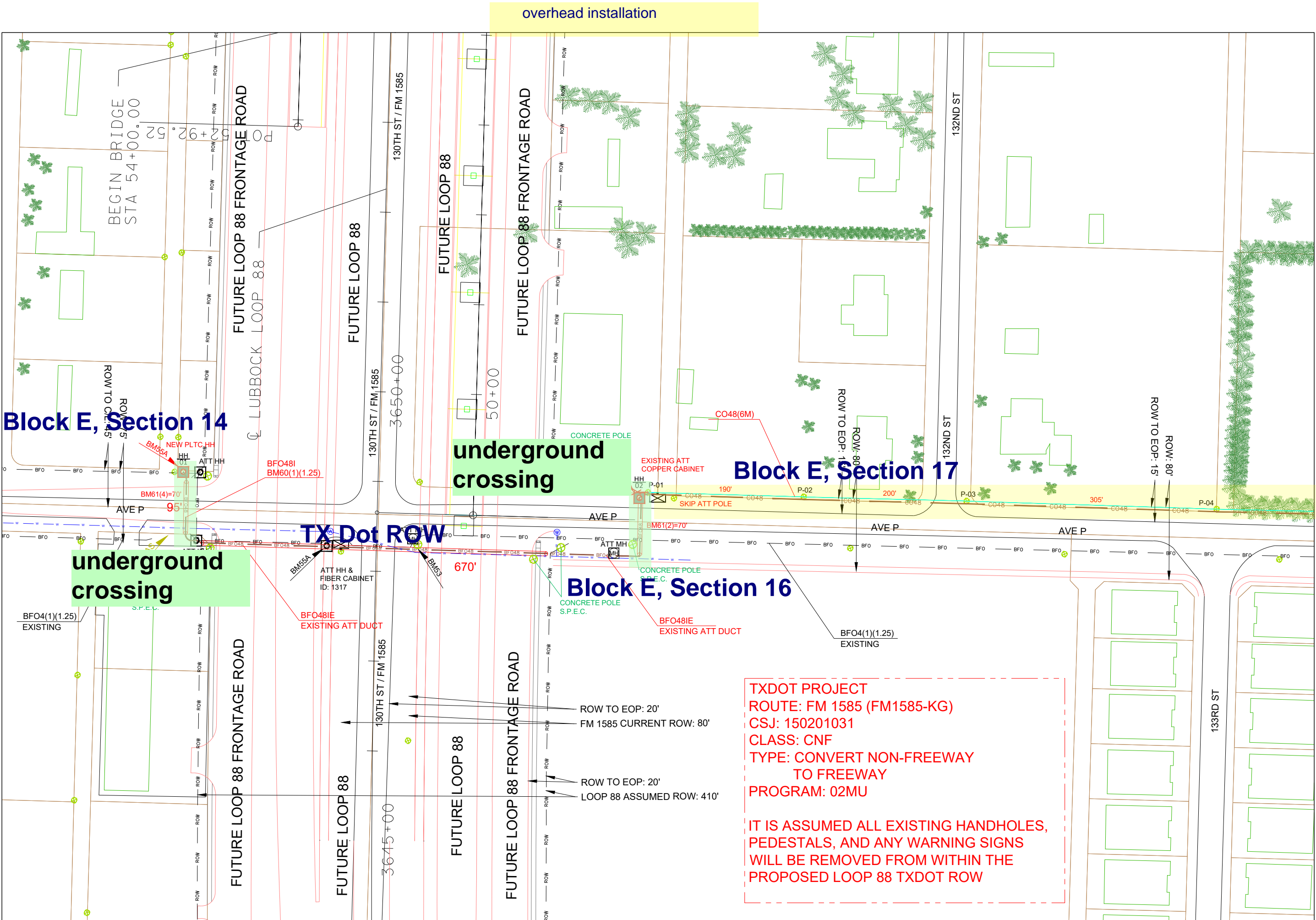
PLOT DATE

10/12/2023

Project Number:

PLTC-LUBBOCK-AVE P PROJECT (FM 1585 to CR 7500)

PLTC - Lubbock - Ave P - (FM 1585 To CR 7500) - 10-12-2023



overhead installation

POKA LAMBRO

LEGEND

EXISTING STRAND

NEW STRAND

BFO12

BFO24

BFO48

CO12

CO24

CO48

EXISTING DOWN GUY

PROPOSED DOWN GUY

PROPOSED SNOW SHOE

PROPOSED SLACK SPAN

EXISTING AERIAL ACCESS

PROPOSED AERIAL ACCESS

EXISTING HAND-HOLE

PROPOSED HAND-HOLE

EXISTING FIBER PED

PROPOSED FIBER PED

UTILITY POLE

SPL PED

SPLITTER PEDESTAL

BORE

TREE

KEY MAP

SCALE

1 : 50.00

SHEET NUMBER

01

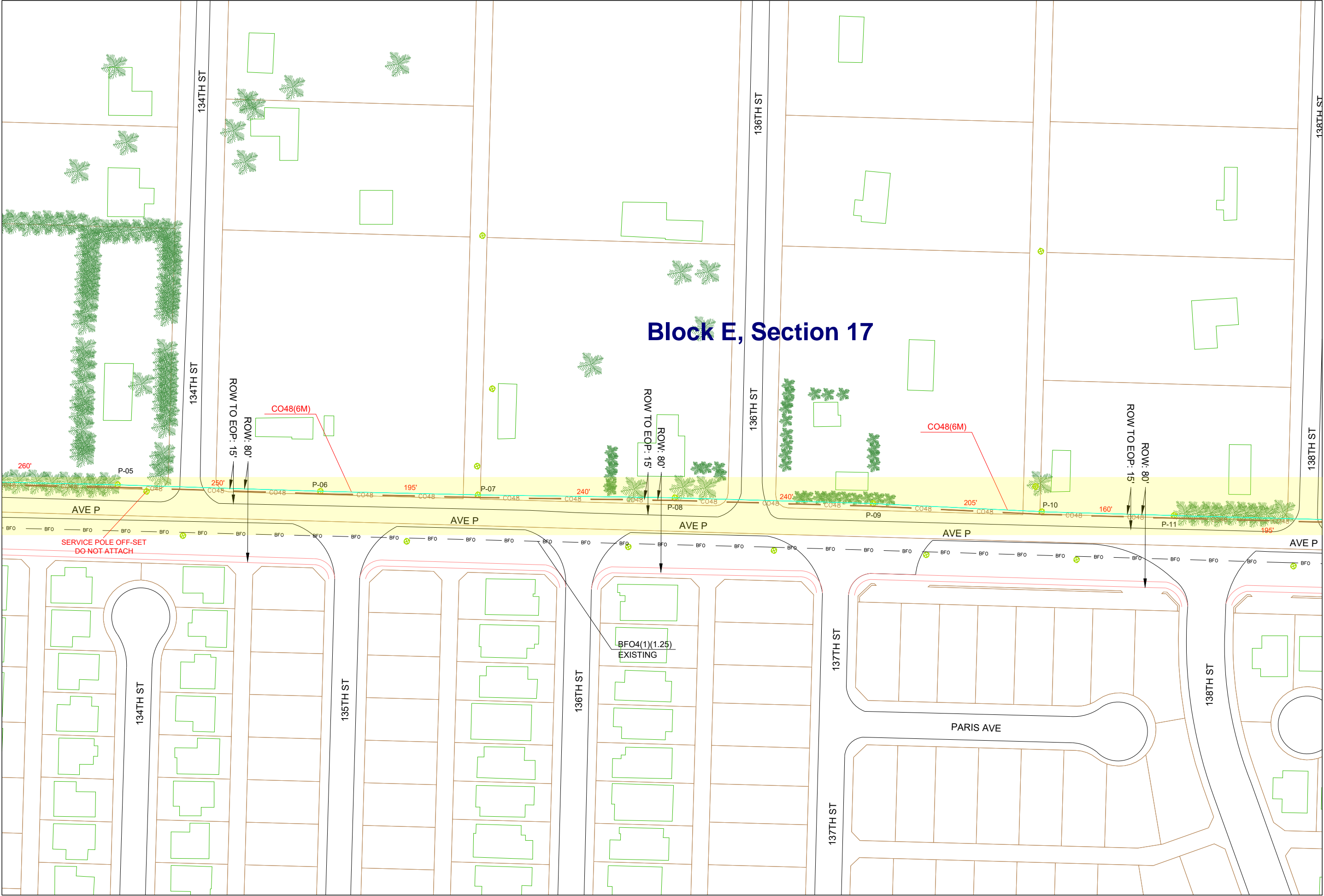
PLOT DATE

10/12/2023

Project Number:

PLTC-LUBBOCK-AVE P PROJECT (FM 1585 TO CR 7500)





POKA LAMBRO

LEGEND

EXISTING STRAND

NEW STRAND

BFO12

BFO24

BFO48

CO12

CO24

CO48

EXISTING DOWN GUY

PROPOSED DOWN GUY

PROPOSED SNOW SHOE

PROPOSED SLACK SPAN

EXISTING AERIAL ACCESS

PROPOSED AERIAL ACCESS

EXISTING HAND-HOLE

PROPOSED HAND-HOLE

EXISTING FIBER PED

PROPOSED FIBER PED

UTILITY POLE

SPL PED

SPLITTER PEDESTAL

BORE

TREE

KEY MAP

SCALE

1 : 50.00

SHEET NUMBER

02

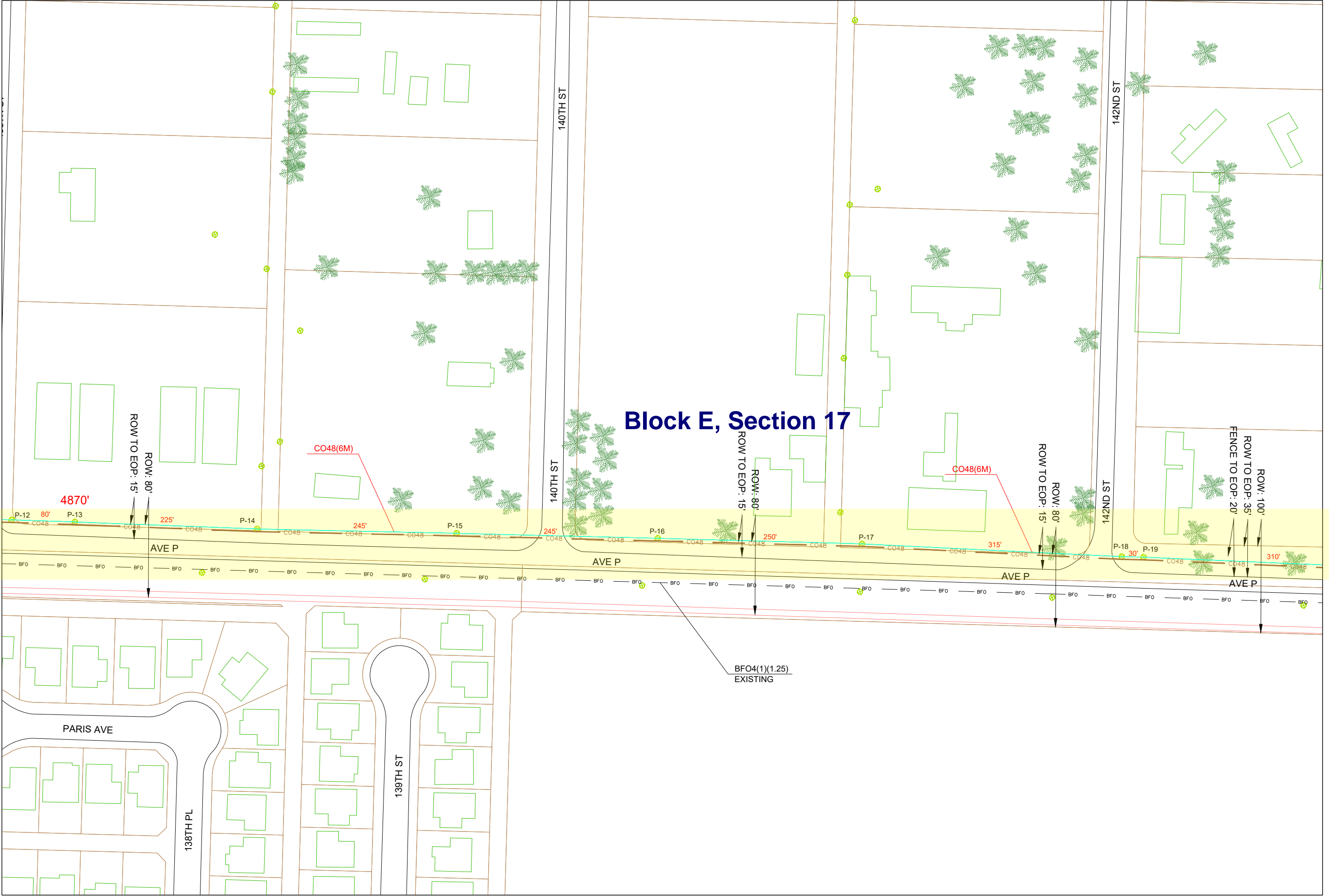
PLOT DATE

10/12/2023

Project Number:

PLTC-LUBBOCK-AVE P PROJECT (FM 1585 TO CR 7500)

PLTC - Lubbock - Ave P - (FM 1585 To CR 7500) - 10-12-2023



POKA LAMBRO

LEGEND

EXISTING STRAND

NEW STRAND

BFO12

BFO24

BFO48

CO12

CO24

CO48

EXISTING DOWN GUY

PROPOSED DOWN GUY

PROPOSED SNOW SHOE

PROPOSED SLACK SPAN

EXISTING AERIAL ACCESS

PROPOSED AERIAL ACCESS

EXISTING HAND-HOLE

PROPOSED HAND-HOLE

EXISTING FIBER PED

PROPOSED FIBER PED

UTILITY POLE

SPLITTER PEDESTAL

BORE

TREE

KEY MAP

SCALE

1 : 50.00

SHEET NUMBER

03

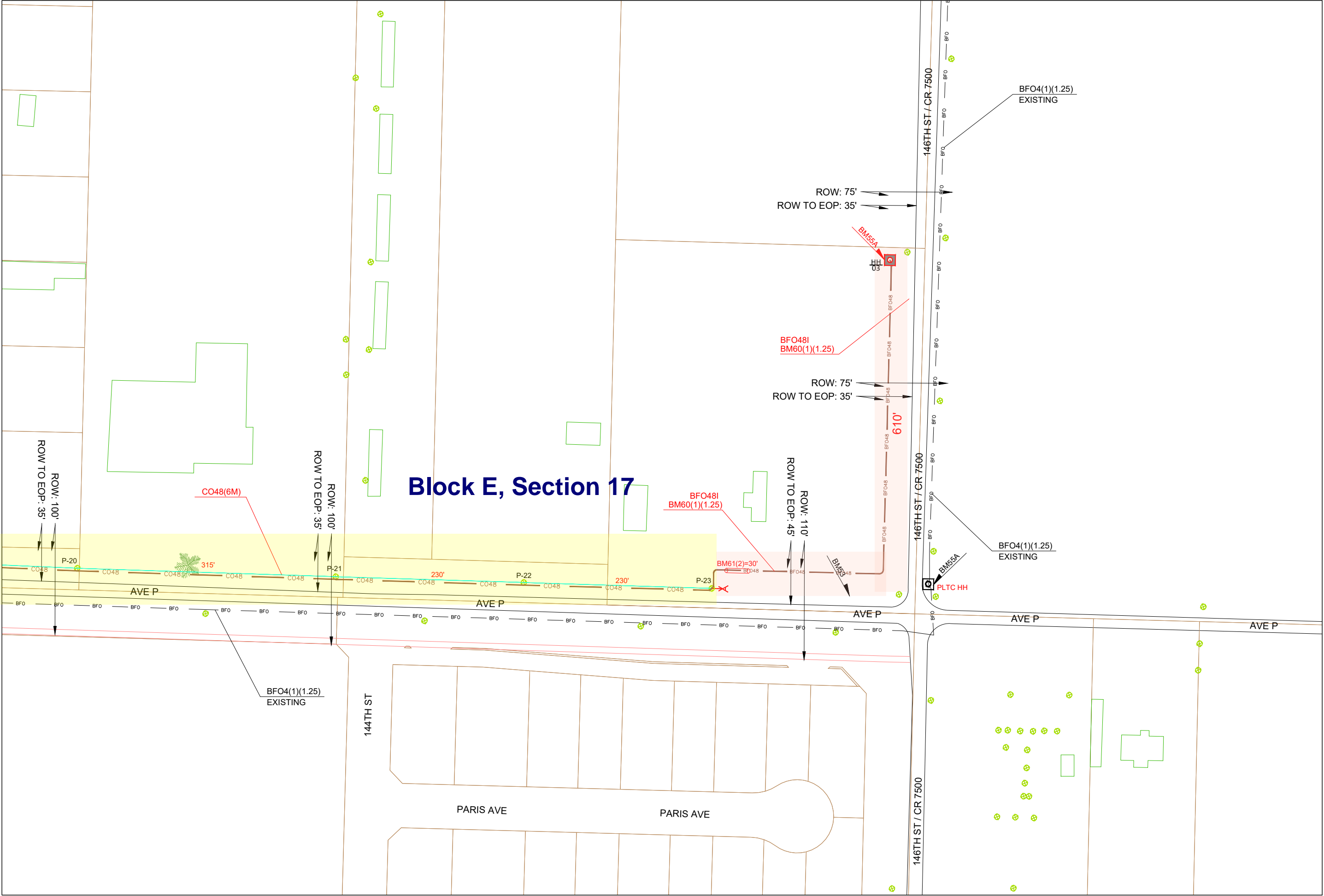
PLOT DATE

10/12/2023

Project Number:

PLTC-LUBBOCK-AVE P - (FM 1585 TO CR 7500)





POKA LAMBRO

LEGEND

EXISTING STRAND

NEW STRAND

BFO12

BFO24

BFO48

CO12

CO24

CO48

EXISTING DOWN GUY

PROPOSED DOWN GUY

PROPOSED SNOW SHOE

PROPOSED SLACK SPAN

EXISTING AERIAL ACCESS

PROPOSED AERIAL ACCESS

EXISTING HAND-HOLE

PROPOSED HAND-HOLE

EXISTING FIBER PED

PROPOSED FIBER PED

UTILITY POLE

SPL PED

BORE

TREE

EXISTING STRAND

NEW STRAND

BFO12

BFO24

BFO48

CO12

CO24

CO48

EXISTING DOWN GUY

PROPOSED DOWN GUY

PROPOSED SNOW SHOE

PROPOSED SLACK SPAN

EXISTING AERIAL ACCESS

PROPOSED AERIAL ACCESS

EXISTING HAND-HOLE

PROPOSED HAND-HOLE

EXISTING FIBER PED

PROPOSED FIBER PED

UTILITY POLE

SPL PED

BORE

TREE

KEY MAP

SCALE

1 : 50.00

SHEET NUMBER

04

PLOT DATE

10/12/2023

Project Number:

PLTC-LUBBOCK-AVE P PROJECT (FM 1585 to CR 7500)

PLTC - Lubbock - Ave P - (FM 1585 To CR 7500) - 10-12-2023

Licensee	POKA LAMBRO TELEPHONE	Pole Total	23
Date	8/17/2023	# of New	23
Location	LUBBOCK TX - AVE P (FM 1585 TO CR 7500)	# of Overlash	0
SAB	FEEDER ROUTE	Attachment Total	23

Decimal Conversion:		
0" = .00	4" = .33	8" = .67
1" = .08	5" = .42	9" = .75
2" = .17	6" = .50	10" = .83
3" = .25	7" = .58	11" = .92

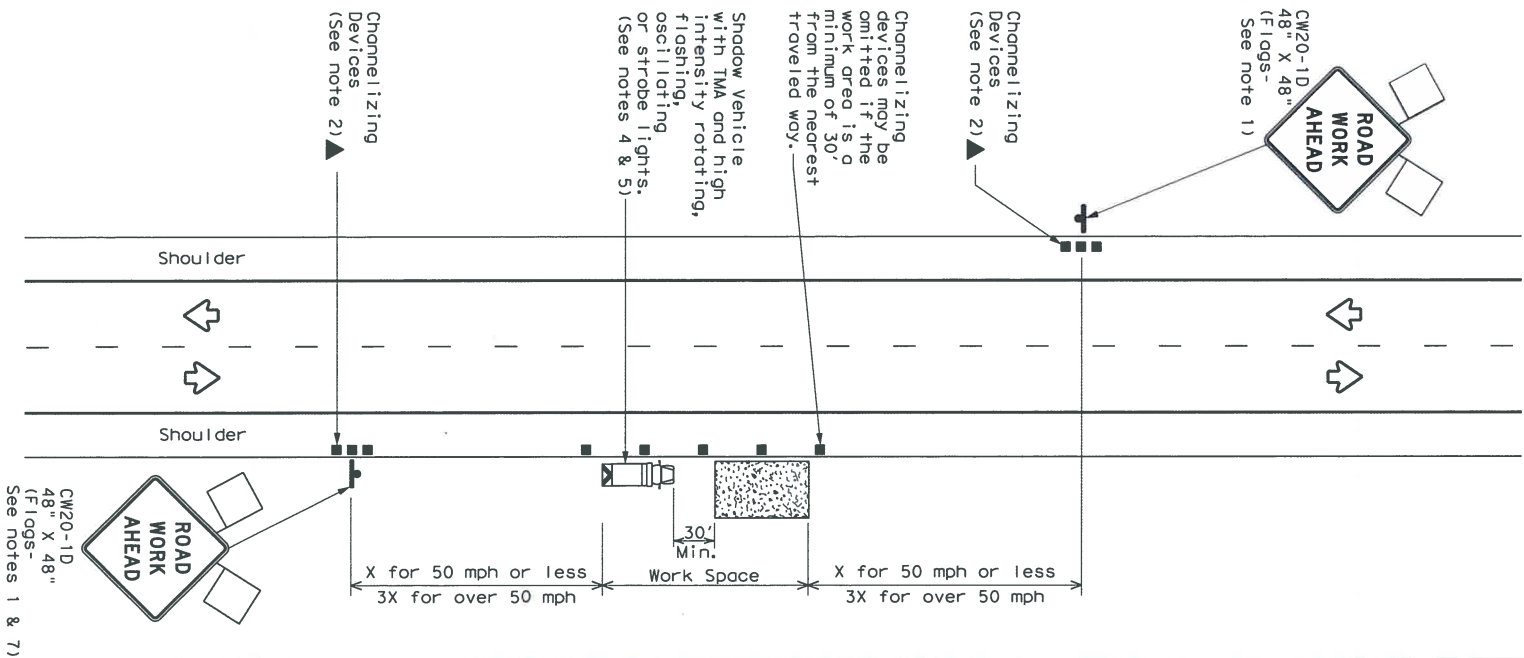
					Power Pole & Equipment		Existing Power Attachment Height Information							Existing Communications Attachment Height Information				Proposed NEW Attachment	
Pole No. (on Map)	New (N) or Overlash (O)	Pole ID (If Known)	Latitude	Longitude	Pole Ht/ Class	Power Equipment on Pole	Power Nuetral or Cross Arm	Transformer (If Attached)	Riser Guard / Weatherhead	TriPlex / Secondary Power	TriPlex / Secondary Power Drips	Lowest Power Cable at Mid-span	Street Light Bracket / Drip Loop (Lowest)	COMM 1 Pole Attach Height	COMM 2 Pole Attach Height	COMM 1 MIDSPAN	COMM 2 MIDSPAN	Proposed Attachment Height for New Cable	Proposed Mid-span Cable Height
1	NEW		033.475427° N	101.853021° W			27.92					28.00		22.42		21.08		21.42	20.08
2	NEW		033.474924° N	101.853019° W		YES	31.33	25.33	23.50	23.50	23.00	28.00	24.17	22.50		20.00		19.00	18.50
3	NEW		033.474393° N	101.853021° W		YES	30.83	25.50	23.83	23.83	23.33	28.00	24.67	19.92		17.50		18.92	16.50
4	NEW		033.473583° N	101.853028° W			28.50					28.00		21.25		18.25		20.25	17.25
5	NEW		033.472889° N	101.853020° W		YES	32.67	26.00		25.67		28.00		20.08		19.50		19.08	18.50
6	NEW		033.472237° N	101.853024° W			32.33					28.00		20.33		18.17		19.33	17.17
7	NEW		033.471725° N	101.853024° W			27.50					28.00		20.58		18.50		19.58	17.50
8	NEW		033.471093° N	101.853013° W			31.08					28.00		22.33		19.25		21.33	18.25
9	NEW		033.470455° N	101.853012° W		YES	31.50	25.58		25.25	24.17	28.00		21.17		19.33		19.50	18.00
10	NEW		033.469912° N	101.853031° W		YES	28.00	21.75		21.67	21.67	28.00	20.75	20.17		19.75		17.50	18.75
11	NEW		033.469484° N	101.853031° W		YES	32.25	26.42	25.25	25.25	24.08	28.00	28.00	23.00		18.92		20.00	17.92
12	NEW		033.468875° N	101.853030° W					25.25	26.00	24.08	21.25		21.50		20.83		20.00	18.75
13	NEW		033.468768° N	101.853026° W		YES	32.58	26.17		24.67	24.67	28.00		20.83		18.92		19.83	17.92
14	NEW		033.468184° N	101.853038° W			27.50					28.00		21.83		20.25		20.83	19.25
15	NEW		033.467533° N	101.853033° W			32.92					28.00		23.50		21.25		22.50	20.25
16	NEW		033.466893° N	101.853026° W			31.83					28.00		21.50		18.92		20.50	17.92
17	NEW		033.466231° N	101.853033° W			23.67					28.00		20.50		18.50		19.50	17.50
18	NEW		033.465395° N	101.853055° W			24.00					28.00		19.83		19.50		18.83	18.50
19	NEW		033.465319° N	101.853051° W		YES	30.25	24.92		24.50	23.67	28.00		18.50		18.00		17.50	17.00
20	NEW		033.464503° N	101.853065° W			32.25					28.00		21.00		18.58		20.00	17.58
21	NEW		033.463669° N	101.853071° W			24.33					28.00		21.42		21.50		20.25	20.50
22	NEW		033.463063° N	101.853076° W			32.00					28.00		25.17		22.42		22.00	20.50
23	NEW		033.462456° N	101.853073° W		YES	31.08	25.08		23.50	23.50			21.75				19.50	

Proposed Communications Pass / Fail Equipment Clearance Requirements															
48" from Primary/Nuetral or Cross Arm	48" from Transformer	48" from Riser Guard / Weatherhead	48" from Triplex / Secondary Power	48" from Triplex / Secondary Power DRIPLOOP	12" from street light bracket / drip loop	30" mid-span power cable clearance	12" clearance from COMM1	12" clearance from COMM2	12" MIDSPAN COMM 1	12" MIDSPAN COMM 2				15.5' at Pole Above Surface	15.5' at Mid-span Above Surface
PASS						PASS	PASS		PASS					PASS	PASS
PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		PASS					PASS	PASS
PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		PASS					PASS	PASS
PASS						PASS	PASS		PASS					PASS	PASS
PASS	PASS		PASS			PASS	PASS		PASS					PASS	PASS
PASS						PASS	PASS		PASS					PASS	PASS
PASS						PASS	PASS		PASS					PASS	PASS
PASS	PASS					PASS	PASS		PASS					PASS	PASS
PASS	PASS		PASS	PASS	PASS	PASS	PASS		PASS					PASS	PASS
PASS	PASS		PASS	PASS	PASS	PASS	PASS		PASS					PASS	PASS
PASS		PASS	PASS	PASS		PASS	PASS		PASS					PASS	PASS
PASS						PASS	PASS		PASS					PASS	PASS
PASS						PASS	PASS		PASS					PASS	PASS
PASS						PASS	PASS		PASS					PASS	PASS
PASS						PASS	PASS		PASS					PASS	PASS
PASS						PASS	PASS		PASS					PASS	PASS
PASS	PASS		PASS	PASS			PASS							PASS	



DISCLAIMER:  
The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

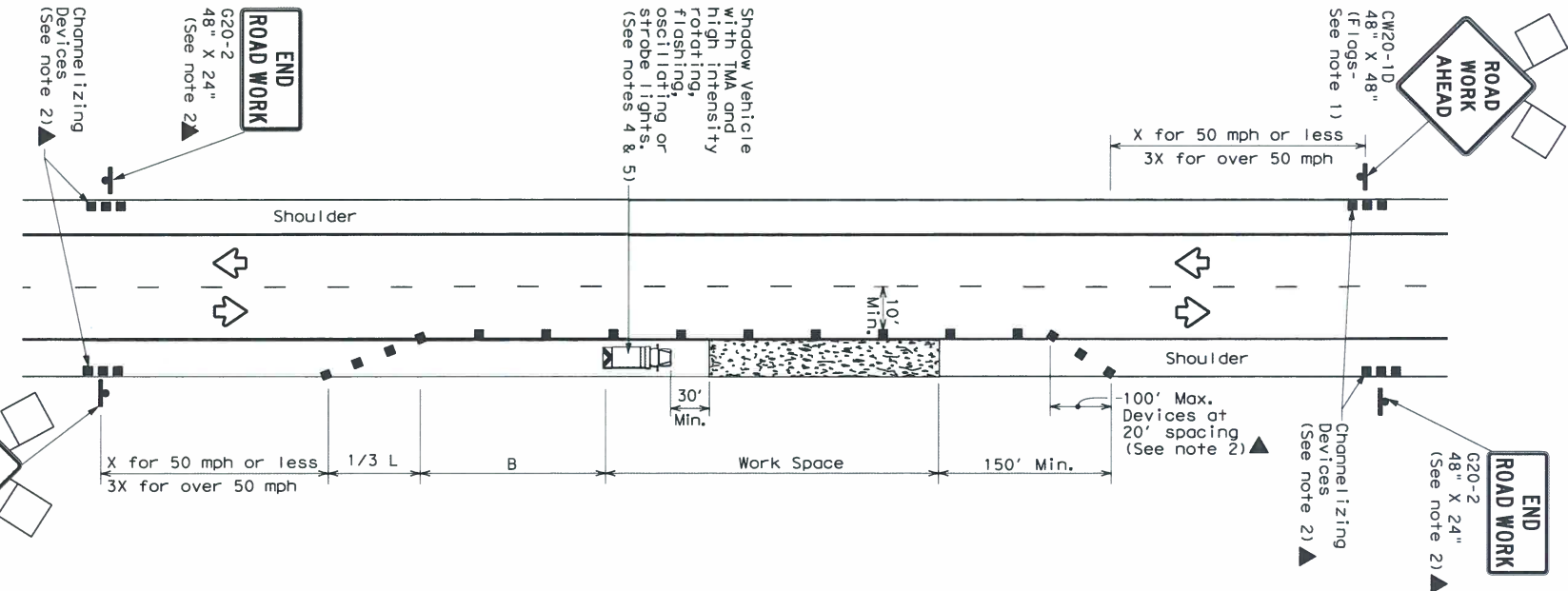
DATE:  
FILE:



## WORK SPACE NEAR SHOULDER

Conventional Roads

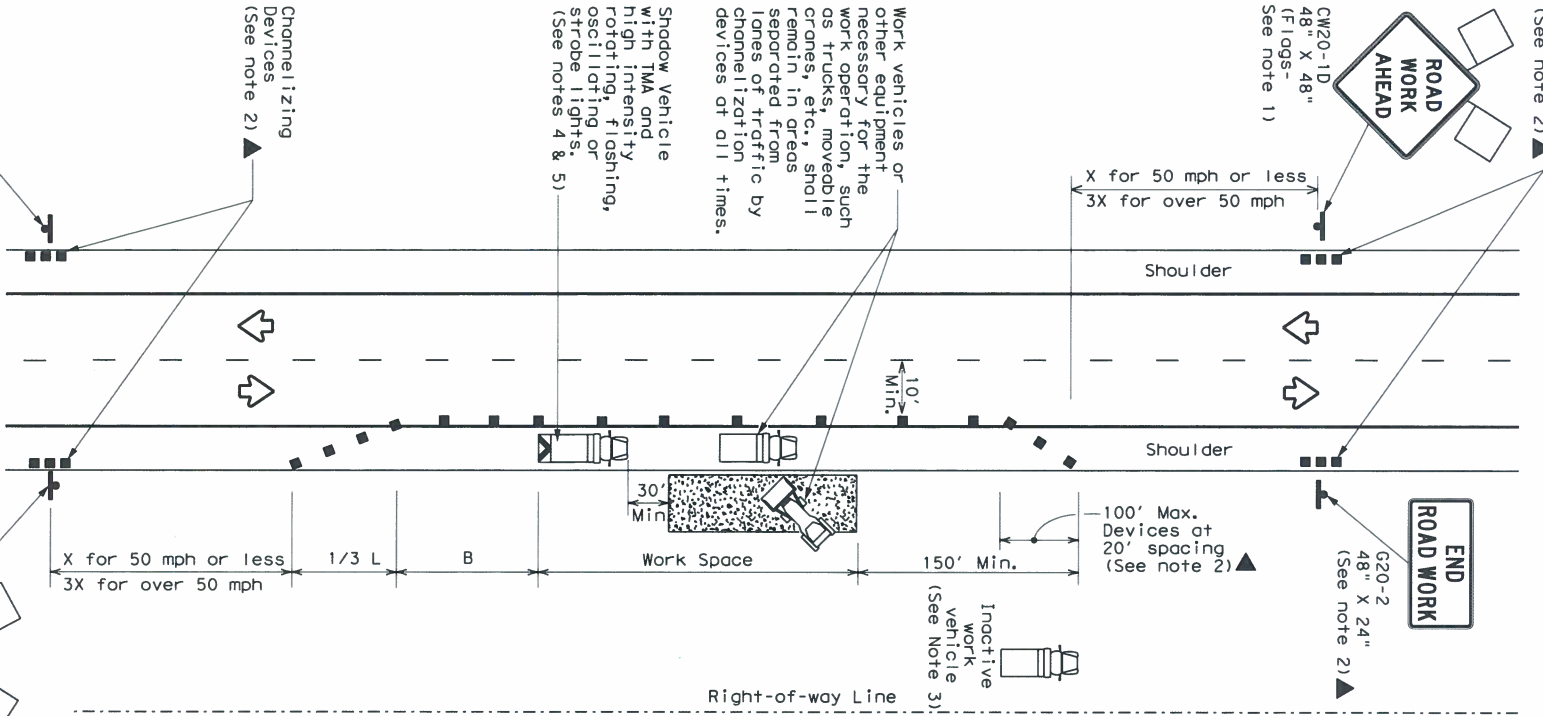
TCP (1-10)



## WORK SPACE ON SHOULDER

Conventional Roads

TCP (1-1b)



## WORK VEHICLES ON SHOULDER

Conventional Roads

TCP (1-1c)

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

\* 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

### 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 stored 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 TCP15-1 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 CONTROL PLAN CONVENTIONAL ROAD SHOULDER WORK

TCP (1-1) - 18

FILE:	TCP1-1-18.dgn	DWG:	Cks
© TxDOT	December 1985	CONT	SECT
2-94	4-98		JOB
8-95	2-12		COUNTY
1-97	2-18		SHEET NO.