

**FRONTIER COMMUNICATION  
CONSTRUCTION SPECIFICATIONS**

- Contact Frontier Engineer JERALD MOORE at (608-742-9507) sixty (60) days prior to need of service in order to confirm compliance, order materials, and schedule work forces. Note; frontier communications, incorporated, reserves the right to refuse any conduit, pull boxes, manholes, or utility boxes that deviate from plans and specifications.
- All conduit riser bends to have a minimum thirty-six (36) inch radius.
- All horizontal ninety (90) degree bends shall have a minimum radius of 12.5 feet and all vertical ninety (90) degree bends shall have a minimum radius of three feet. No more than two ninety (90) degree horizontal bends shall be placed in any single run unless otherwise specified. Contact the Frontier engineer concerning any required deviations.
- All conduit must be proven using a mandrel no less than a 1/2" smaller than the conduit placed. Wall to wall measurements must be taken with a measured tape and a 3/8" polypropylene pull rope in each duct. An accurate wall to wall measurement of conduit placed must be As-built on an approved Frontier construction plan. A copy of the As-built conduit work order must be provided to the Frontier inspector assigned to your project.
- Place weatherproof caps on all terminated conduits.
- Approved plastic conduit (PVC Sch. 40, TYPE-C or HDPE (2") is to be used in underground construction unless otherwise specified.
- Conduit terminated on a pole must be PVC Sch. 80. Location of riser on pole will be called out by engineering on the construction plan.
- Conduit placed in same trench with primary power conduit must be separated by a minimum of twelve (12) inches of well-packed sand or three inches of concrete, and have a minimum of thirty-six (36) inches of cover when placed behind curb face. All street crossings and conduits placed in the driven portion of the roadway must have a minimum of thirty-six (36) inches of cover to top of pipe. contact the frontier inspector 48 hours before trenching and upon completion of your substructures to schedule the final inspection.

**PERMITTING AGENCY:  
TOWN OF AZTALAN**

PICK UP POINT:  
TOWN LIMITS

PATH FOOTAGE:  
BORE = 7231'

**MATERIALS:**

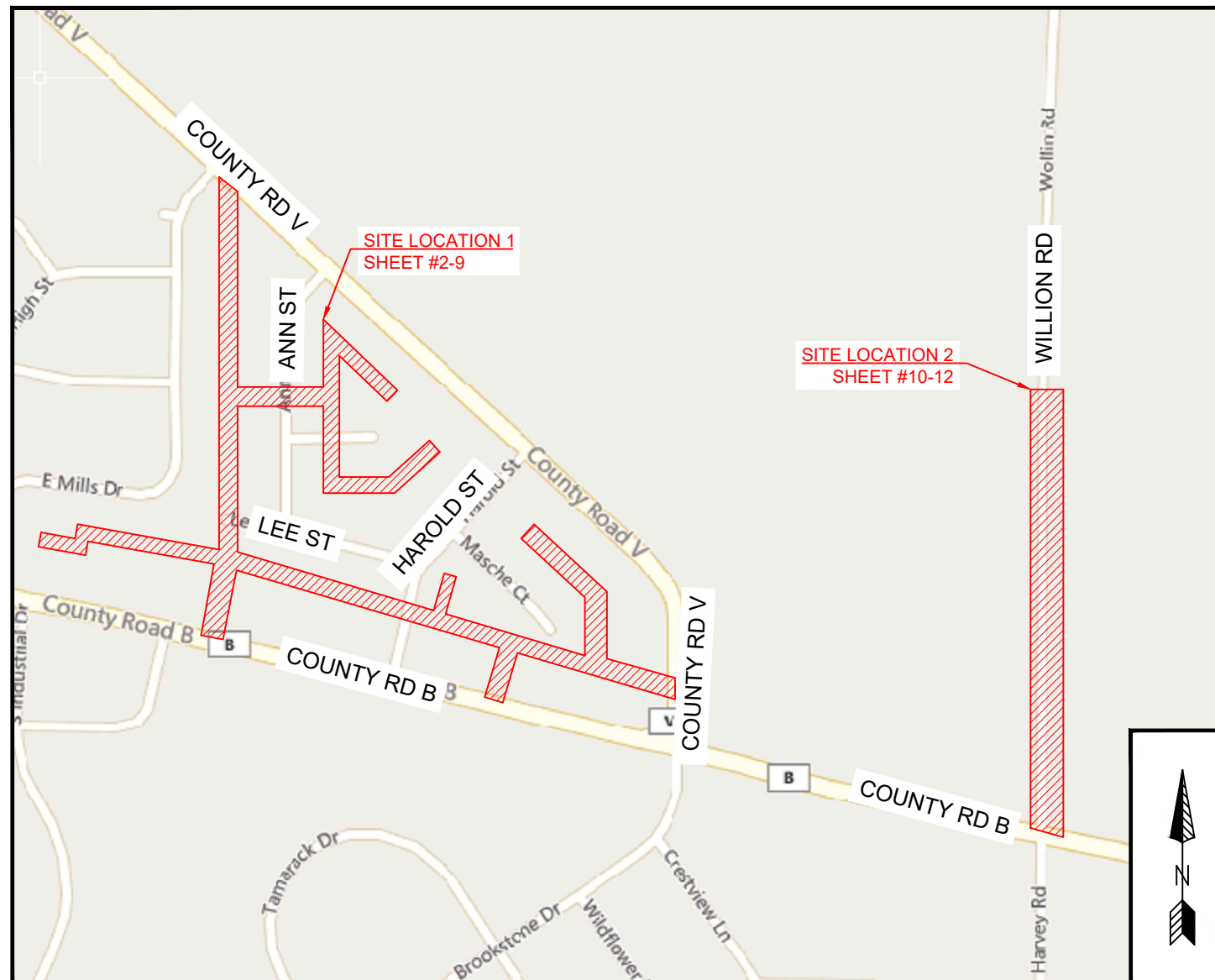
- (1) NEW 2'X3' CMPH
- (19) NEW 17"X30" HH
- (10) NEW 17"X30" CMPH
- (5) NEW 30"X48"X36" HH
- (3) NEW 30"X48"X36" CMPH
- (4) NEW 6" PED
- 4631' OF (1)-1.25" DUCT
- 1574' OF (2)-1.25" DUCTS
- 313' OF (1)-1.5" DUCT
- 639' OF (2)-1.5" DUCTS
- 74' OF (3)-1.5" DUCTS
- (23) NEW 4'X4' BORE PIT
- (23) NEW 4'X4' RECEIVE PIT
- 736 SQ. FT OF DIRT REMOVAL

# CONSTRUCTION PACKAGE

**FDH - W7128 COUNTY RD B  
COUNTY RD B & S INDUSTRIAL RD  
AZTALAN, WI 53551**

**ABBREVIATIONS**

BLDG	BUILDING	PED	PEDESTAL (UTILITY)
C/L	CENTER LINE	PVC	POLYVINYL CHLORIDE
CONC	CONCRETE	P/L	PROPERTY LINE
CSW	CONCRETE SIDEWALK	RR	RAILROAD
DWY	DRIVEWAY	R/W	RIGHT OF WAY
EOC	EDGE OF CURB	SL	STREET LIGHT
EOP	EDGE OF PAVEMENT	W-BLDG	WALL TO BUILDING
ETW	ETW LINE	W-P	WALL TO POLE
HH	HANDHOLE	W-W	WALL TO WALL
MH	MANHOLE	P.U.E.	PUBLIC UTILITY EASEMENT
NTS	NOT TO SCALE	C/G	CURB & GUTTER



VICINITY MAP  
NTS

**LEGEND**

	New Trench
	New Bore
	Existing Gas
	Existing Water
	Existing Telephone
	Existing Sewer
	Existing Storm Drain
	Existing Electric
	Existing Manhole
	Existing Handhole (2'x3' or 17"x30")
	DSLAM
	X-CONNECT
	POWER PEDESTAL
	TELCO PEDESTAL
	3' X 5' PULL BOX
	POLE



JOB ID: 2522189      DATE: 01/21/2026  
 TITLE: FDH - W7128 COUNTY RD B  
 STREET ADDRESS: W7128 COUNTY RD B  
 CITY/STATE: AZTALAN, WI 53551(JEFFERSON COUNTY)  
 FTR ENGINEER: JERALD MOORE (608-742-9507)  
 FTR INSPECTOR: TBD

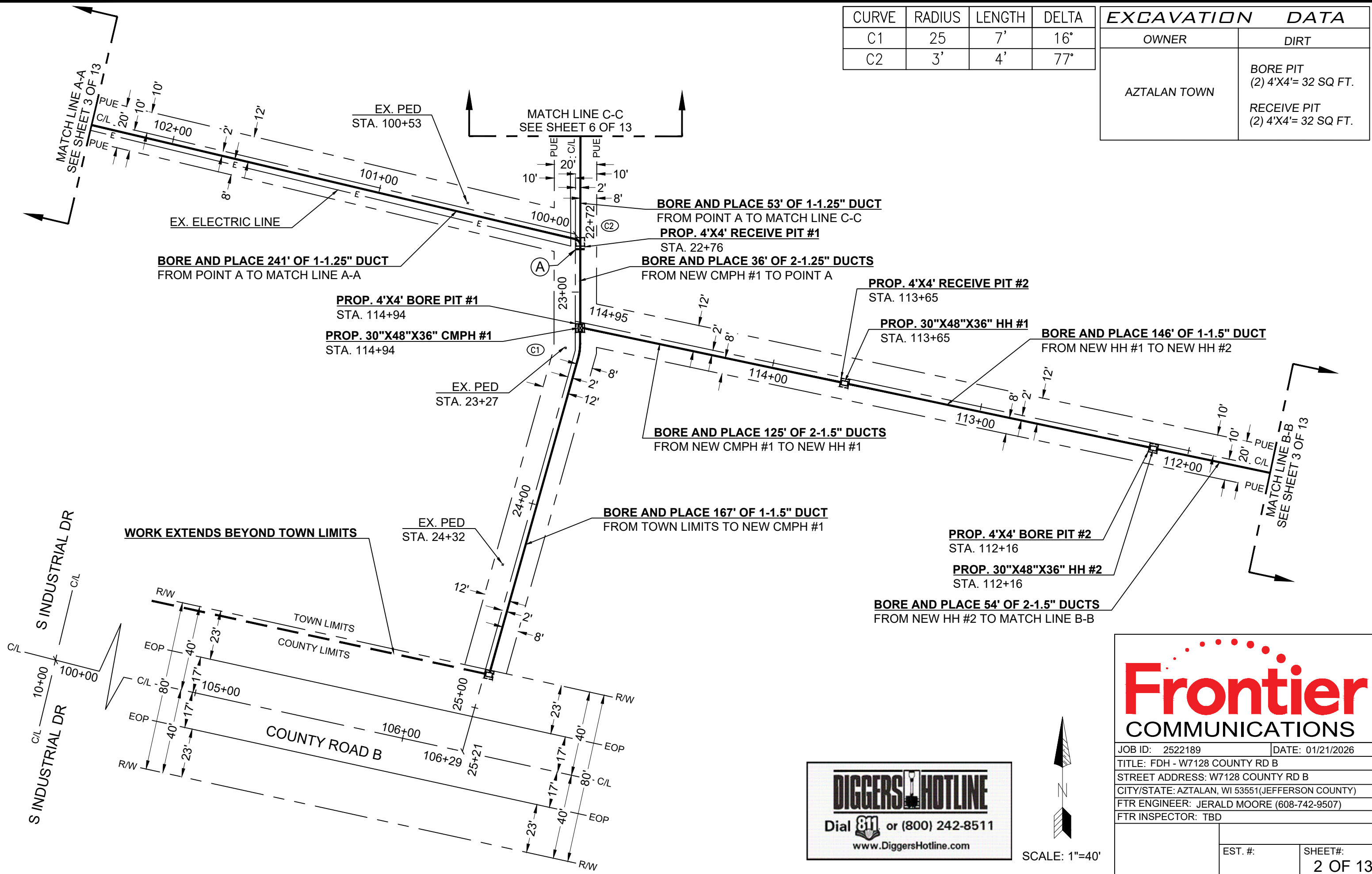
EST. #:      SHEET#: **1 OF 13**

-HDPE AND PVC FOOTAGES DO NOT INCLUDE SWEEPS  
 -ACTUAL FOOTAGES OF HDPE AND PVC WILL BE NEEDED TO ORDER MATERIALS. PLEASE INCLUDE MEASURED TAPE IN ALL PVCs.  
 -FRONTIER INSPECTOR SHALL BE PRESENT ON SITE WHEN CONTRACTOR NEEDS TO ACCESS ANY EXISTING FRONTIER FACILITY.

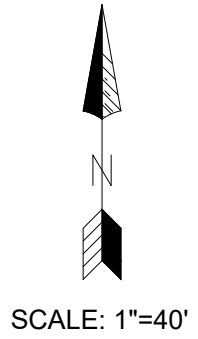


CURVE	RADIUS	LENGTH	DELTA
C1	25	7'	16°
C2	3'	4'	77°

EXCAVATION DATA	
OWNER	DIRT
AZTALAN TOWN	BORE PIT (2) 4'X4'= 32 SQ FT.  RECEIVE PIT (2) 4'X4'= 32 SQ FT.



**DIGGERS HOTLINE**  
Dial 811 or (800) 242-8511  
www.DiggersHotline.com



**Frontier COMMUNICATIONS**

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CITY/STATE: AZTALAN, WI 53551 (JEFFERSON COUNTY)

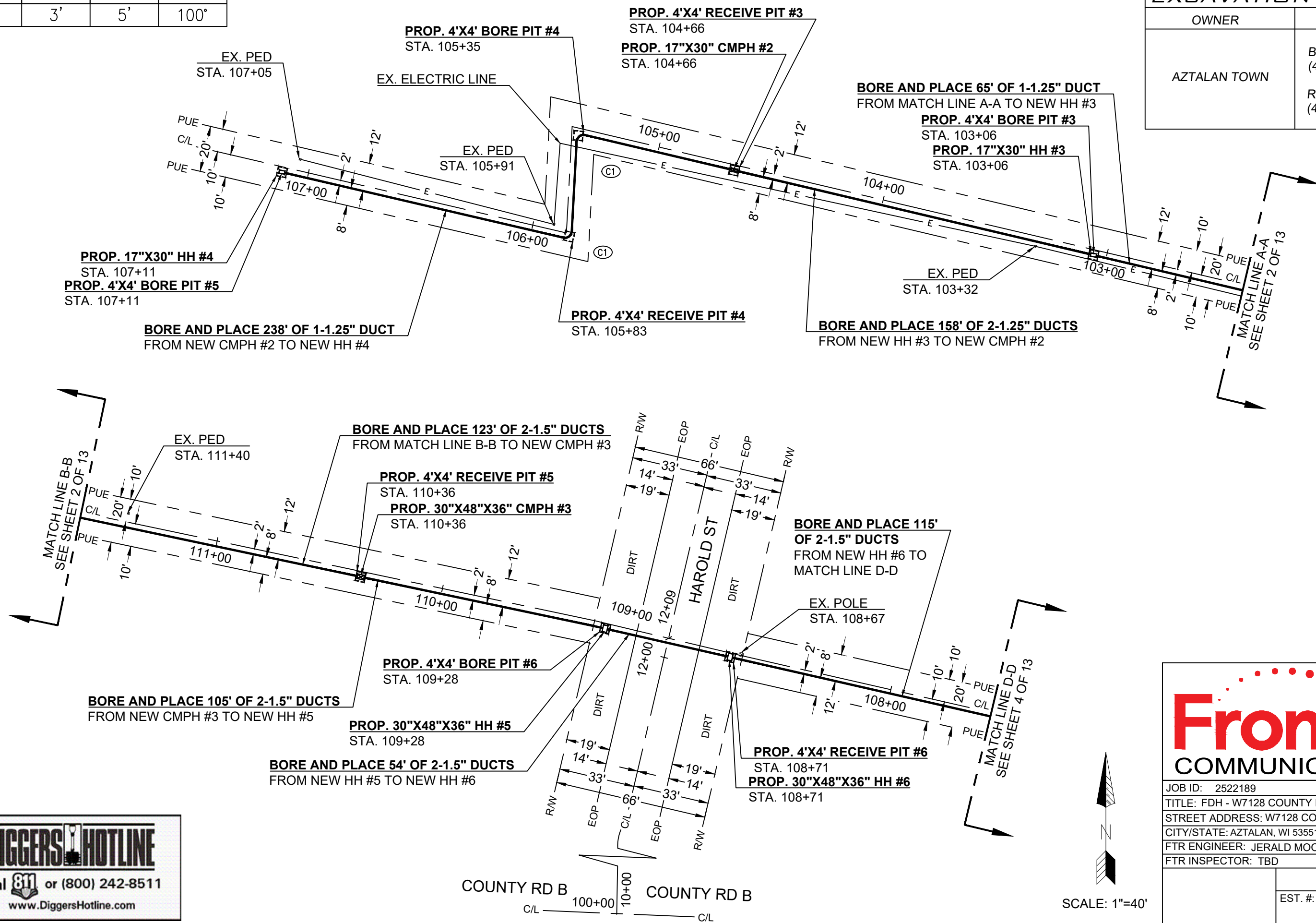
FTR ENGINEER: JERALD MOORE (608-742-9507)

FTR INSPECTOR: TBD

EST. #:      SHEET#: 2 OF 13

CURVE	RADIUS	LENGTH	DELTA
C1	3'	5'	100°

EXCAVATION DATA	
OWNER	DIRT
AZTALAN TOWN	BORE PIT (4) 4'X4' = 64 SQ. FT.  RECEIVE PIT (4) 4'X4' = 64 SQ. FT.



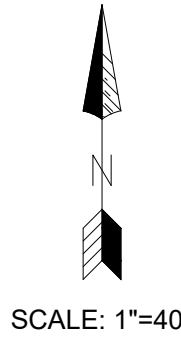
MATCH LINE B-B  
SEE SHEET 2 OF 13

MATCH LINE A-A  
SEE SHEET 2 OF 13

MATCH LINE D-D  
SEE SHEET 4 OF 13

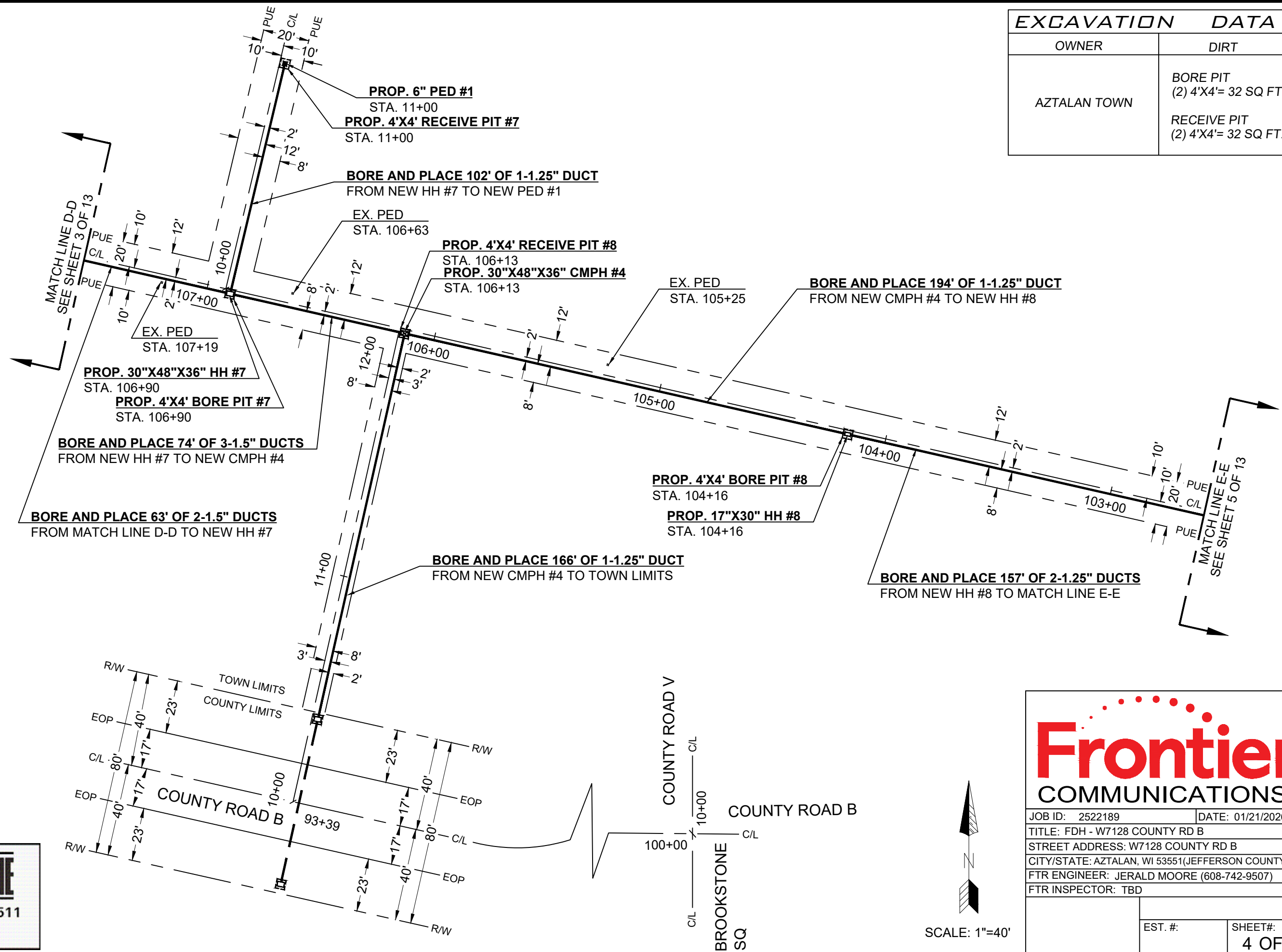


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EXCAVATION DATA	
OWNER	DIRT
AZTALAN TOWN	BORE PIT (2) 4'X4' = 32 SQ FT.
	RECEIVE PIT (2) 4'X4' = 32 SQ FT.

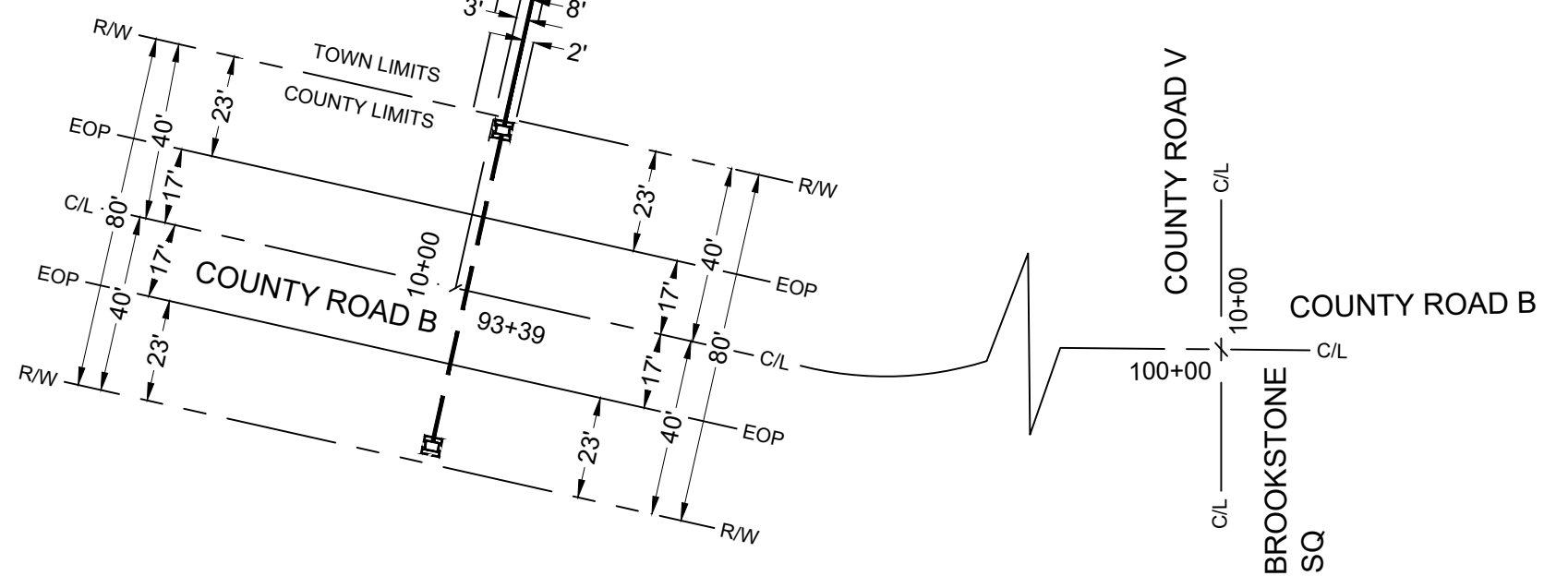
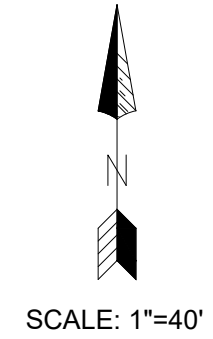


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**Frontier COMMUNICATIONS**

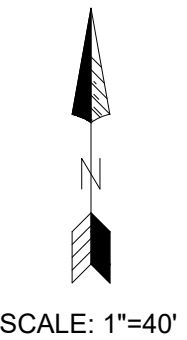
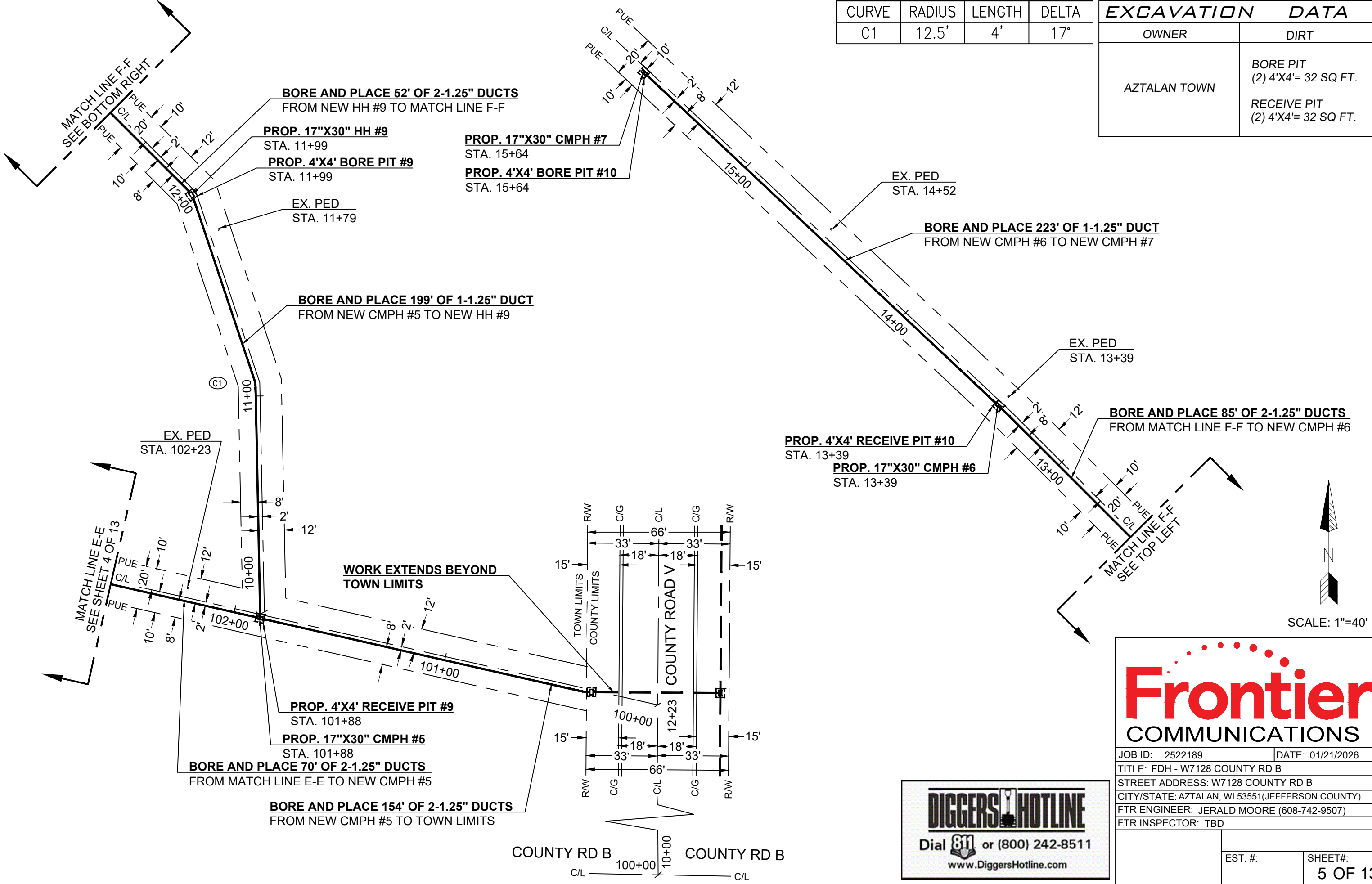
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EST. #:      SHEET#: 4 OF 13



CURVE	RADIUS	LENGTH	DELTA
C1	12.5'	4'	17°

EXCAVATION DATA	
OWNER	DIRT
AZTALAN TOWN	BORE PIT (2) 4'X4'= 32 SQ FT.  RECEIVE PIT (2) 4'X4'= 32 SQ FT.



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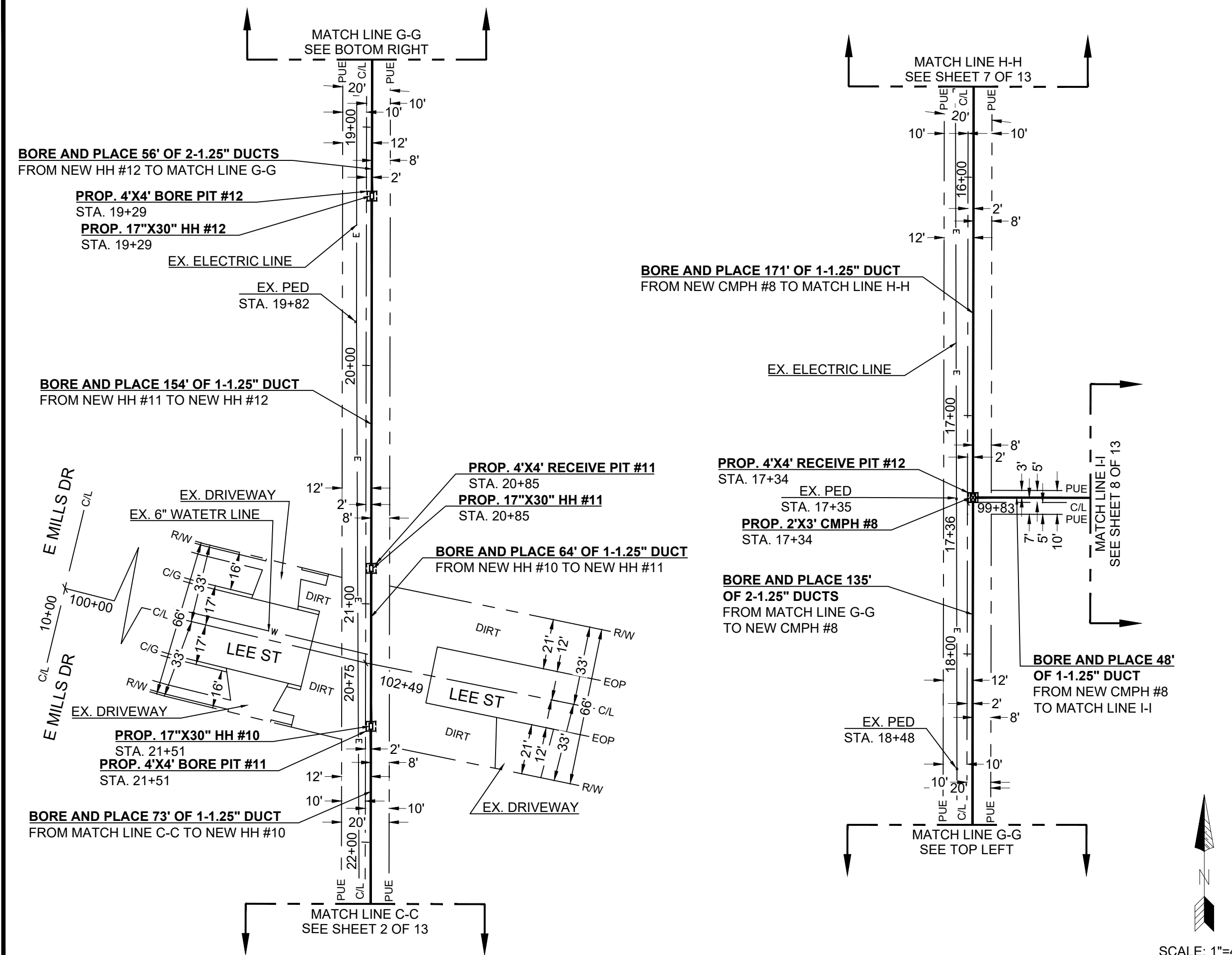
**Frontier COMMUNICATIONS**

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 FTR INSPECTOR: TBD

EST. #:      SHEET#: 5 OF 13

**EXCAVATION DATA**

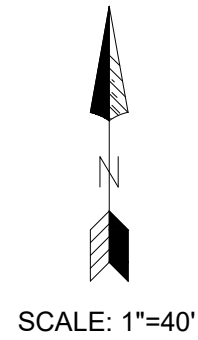
OWNER	DIRT
AZTALAN TOWN	BORE PIT (2) 4'X4'= 32 SQ FT.  RECEIVE PIT (2) 4'X4'= 32 SQ FT.



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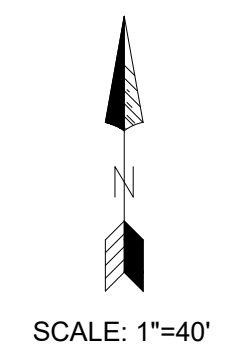
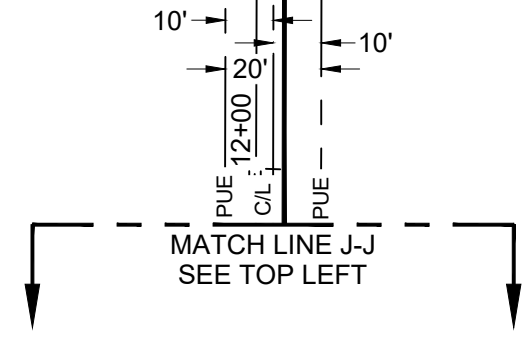
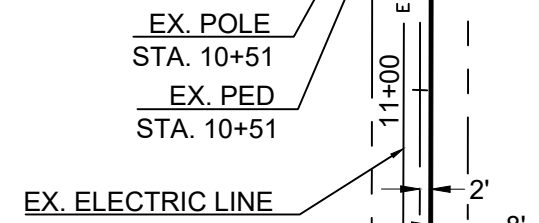
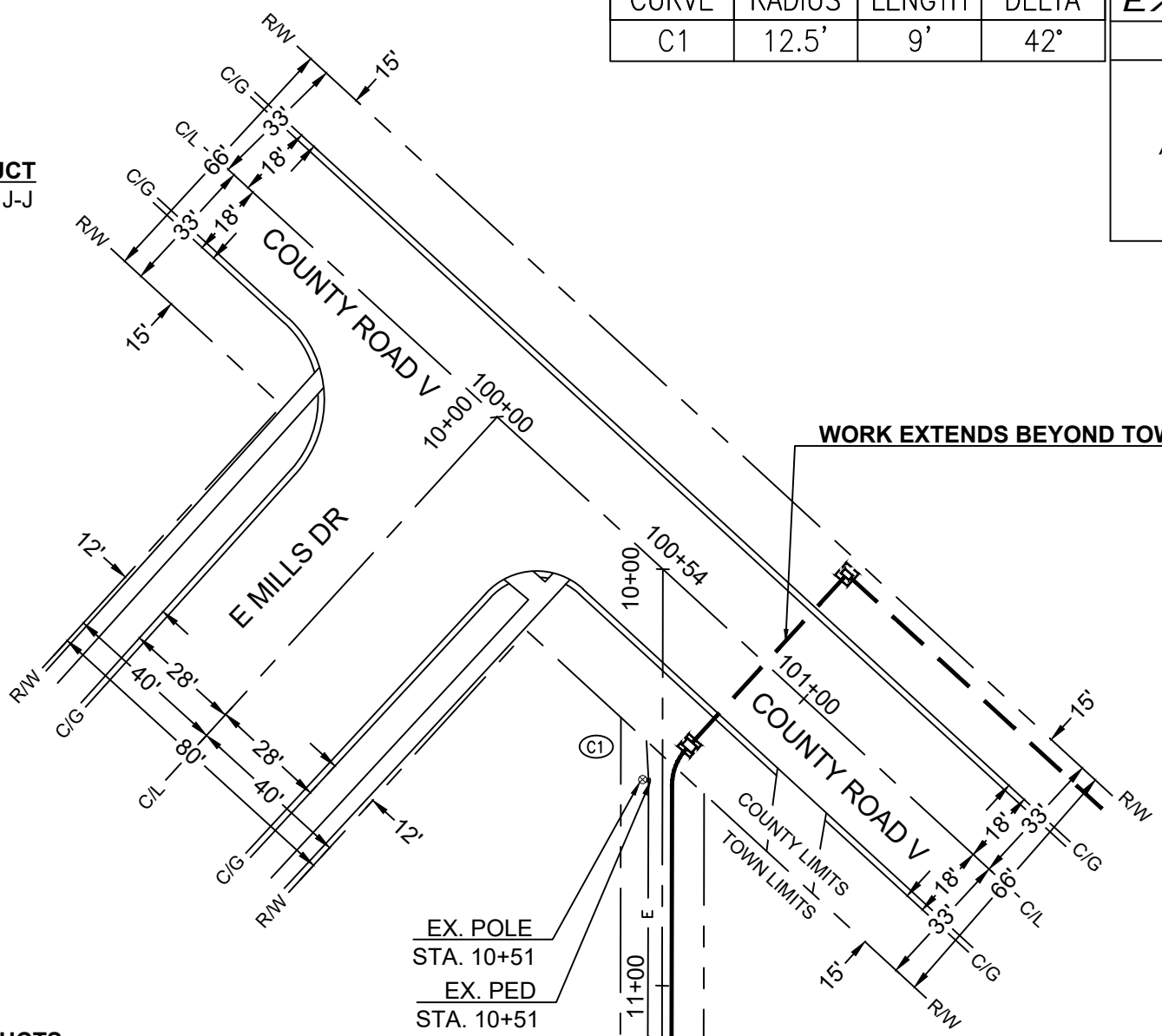
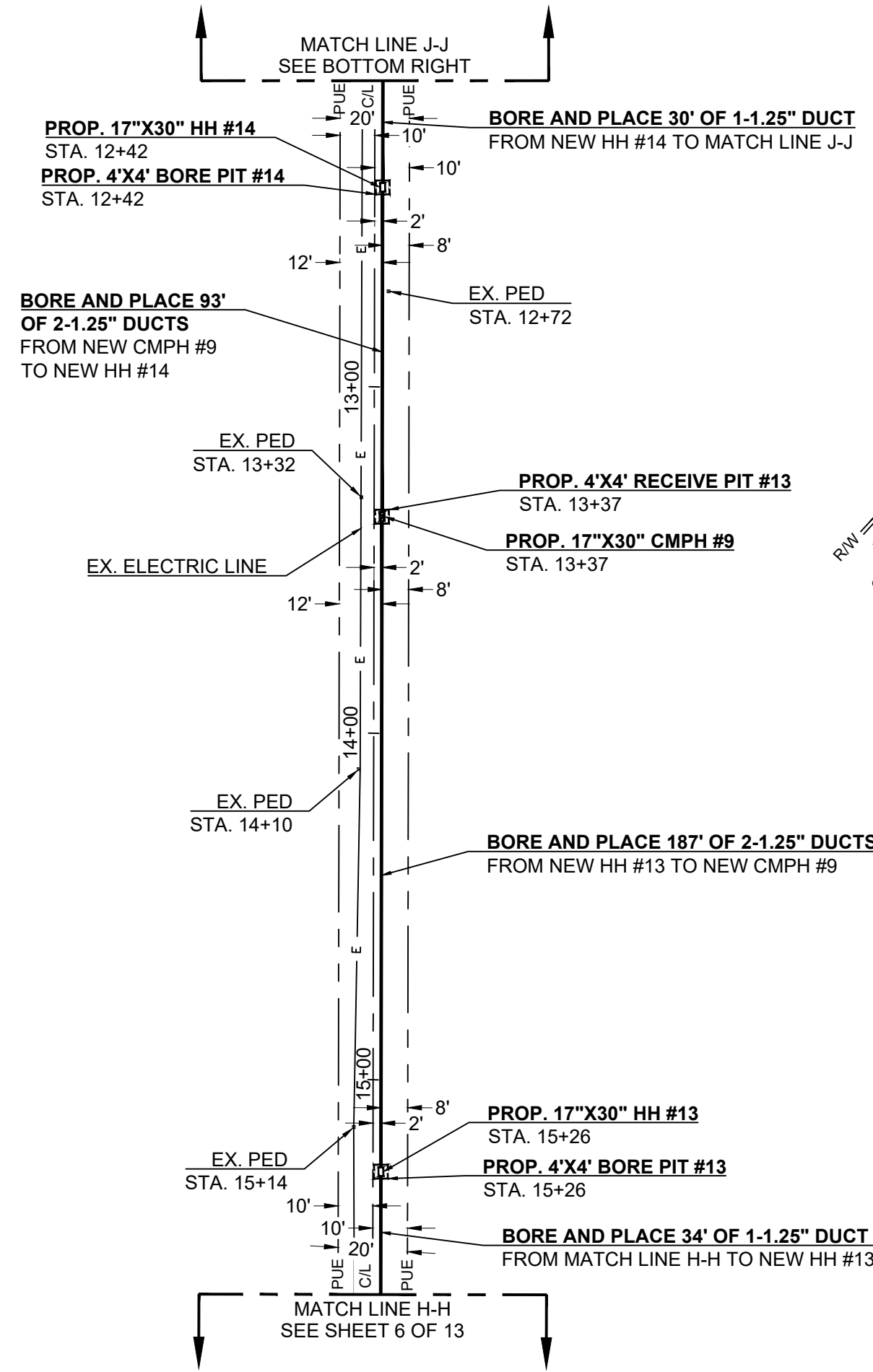
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 FTR INSPECTOR: TBD



CURVE	RADIUS	LENGTH	DELTA
C1	12.5'	9'	42°

EXCAVATION DATA	
OWNER	DIRT
AZTALAN TOWN	BORE PIT (2) 4'X4'= 32 SQ FT.  RECEIVE PIT (1) 4'X4'= 16 SQ FT.



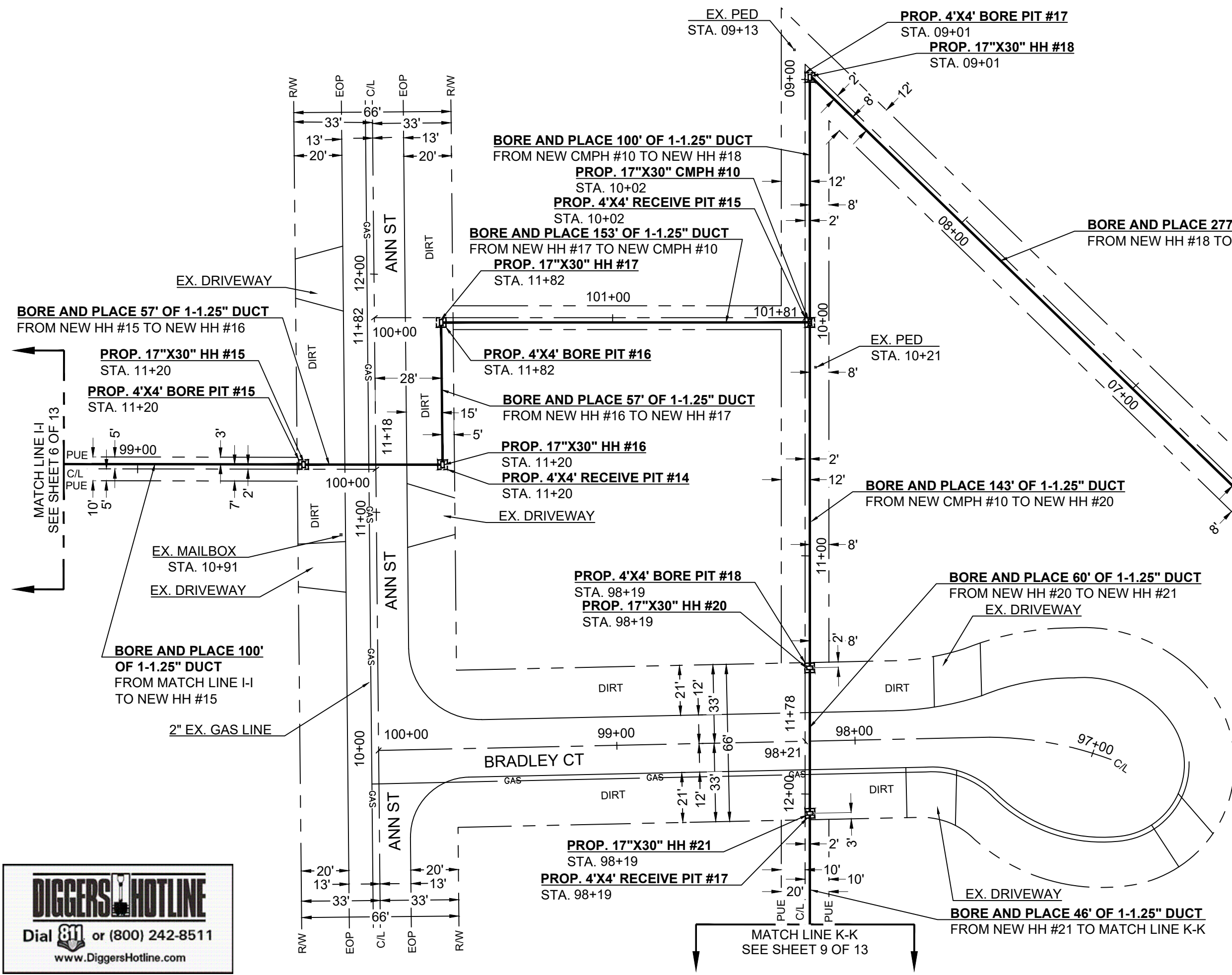
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EST. #:      SHEET#: 7 OF 13

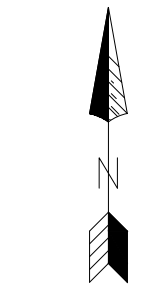
EXCAVATION DATA	
OWNER	DIRT
AZTALAN TOWN	BORE PIT (4) 4'X4' = 64 SQ. FT.
	RECEIVE PIT (4) 4'X4' = 64 SQ. FT.



**PROP. 4'X4' RECEIVE PIT #16**  
STA. 07+90

**PROP. 17"X30" HH #19**  
STA. 07+90

**EX. PED**  
STA. 07+91



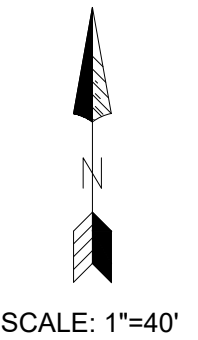
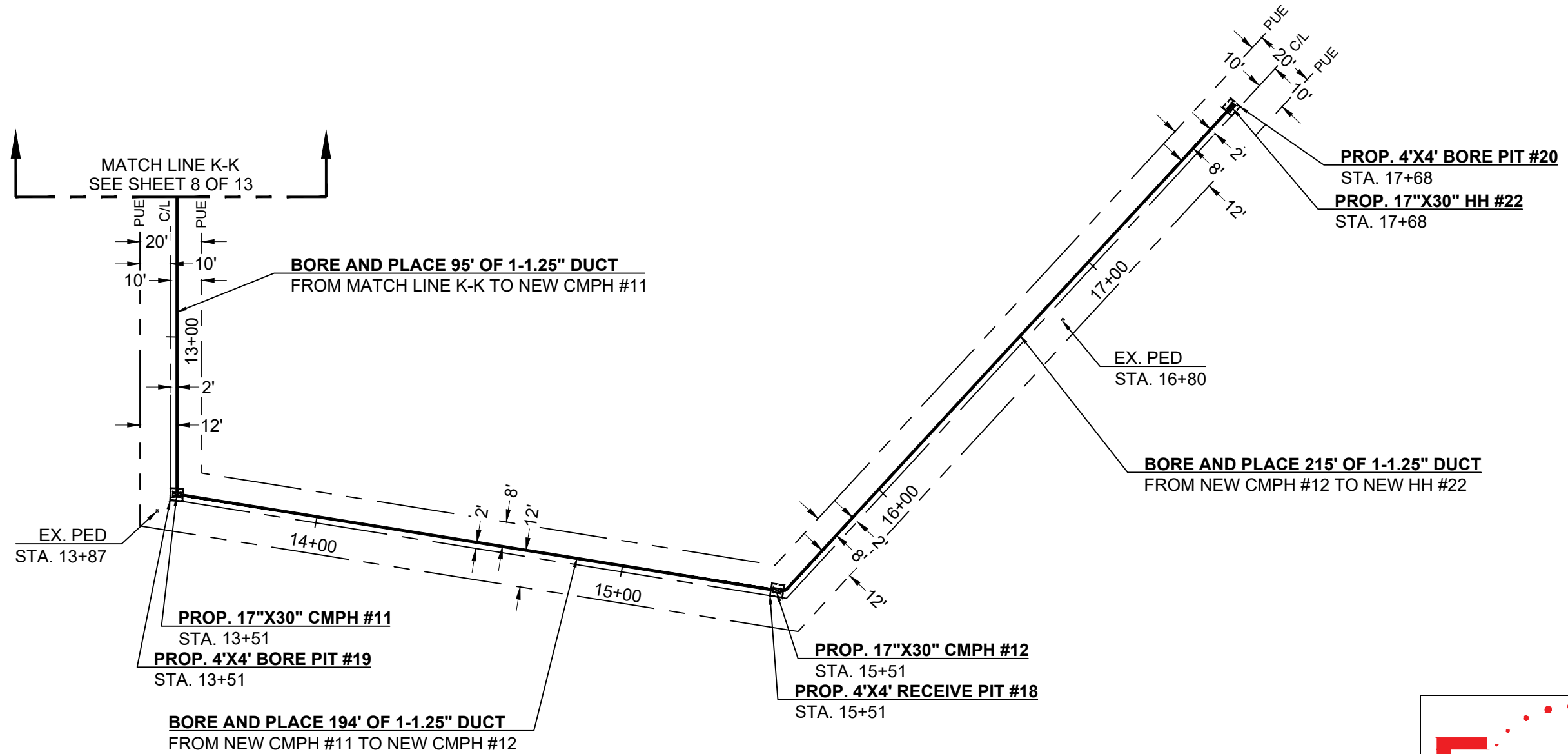
SCALE: 1"=40'

# Frontier COMMUNICATIONS

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 FTR INSPECTOR: TBD

EST. #:      SHEET#: **8 OF 13**

EXCAVATION DATA	
OWNER	DIRT
AZTALAN TOWN	BORE PIT (2) 4'X4'= 32 SQ FT.  RECEIVE PIT (1) 4'X4'= 16 SQ FT.



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**Frontier COMMUNICATIONS**

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TITLE: FDH - W7128 COUNTY RD B

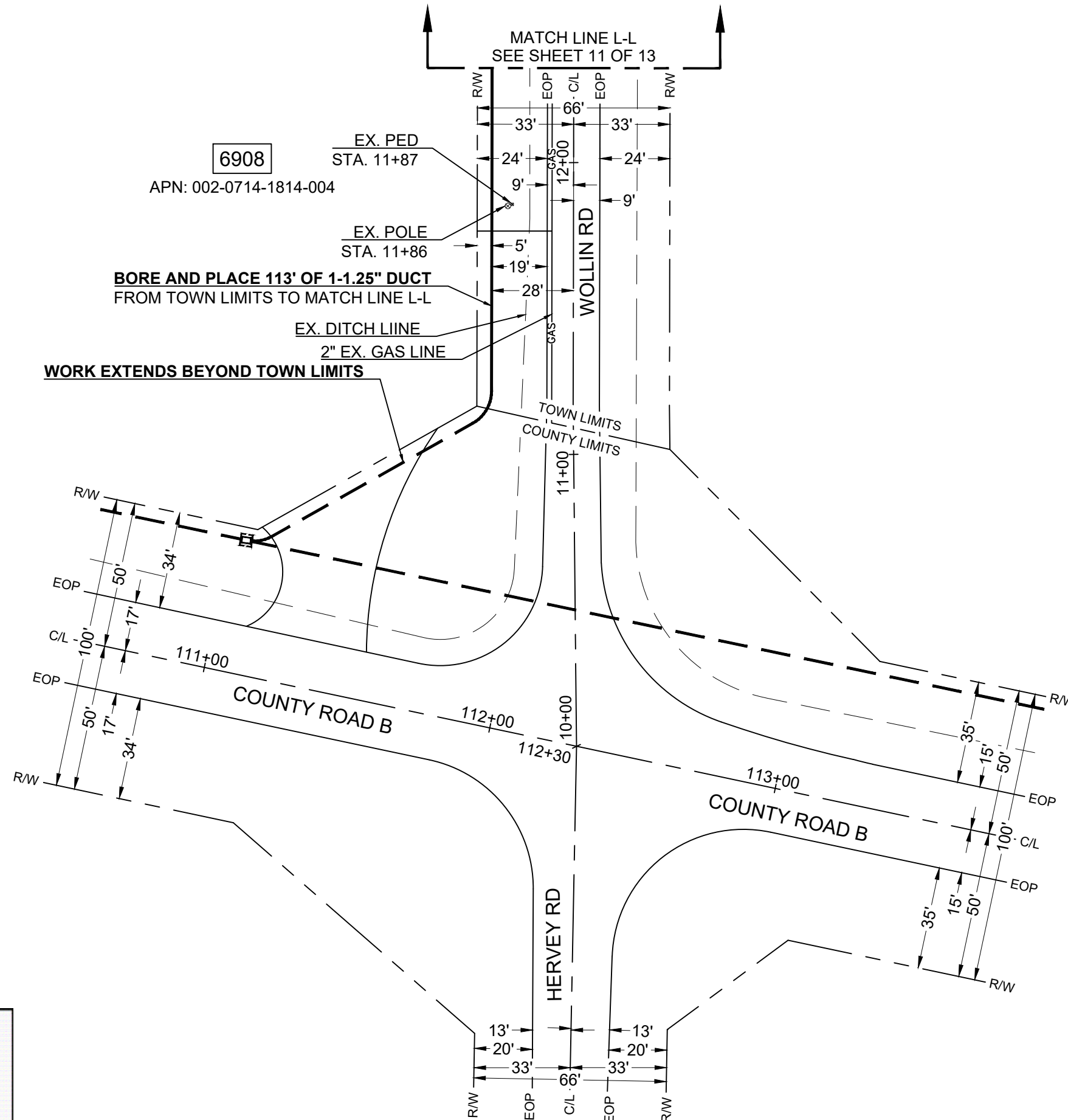
STREET ADDRESS: W7128 COUNTY RD B

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FTR INSPECTOR: TBD

EST. #:      SHEET#: 9 OF 13

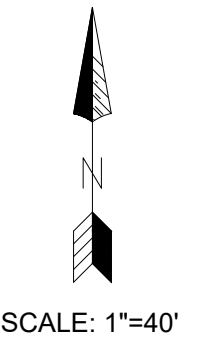


6908

APN: 002-0714-1814-004

**BORE AND PLACE 113' OF 1-1.25" DUCT FROM TOWN LIMITS TO MATCH LINE L-L**

**WORK EXTENDS BEYOND TOWN LIMITS**



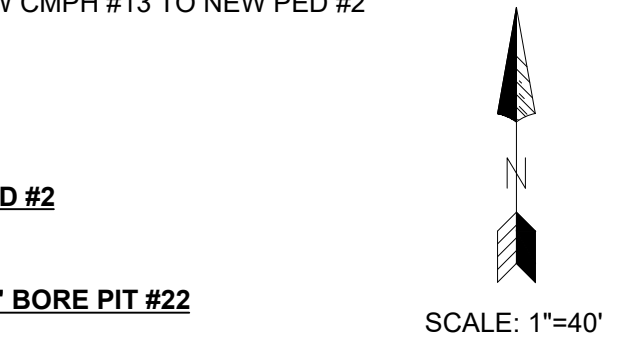
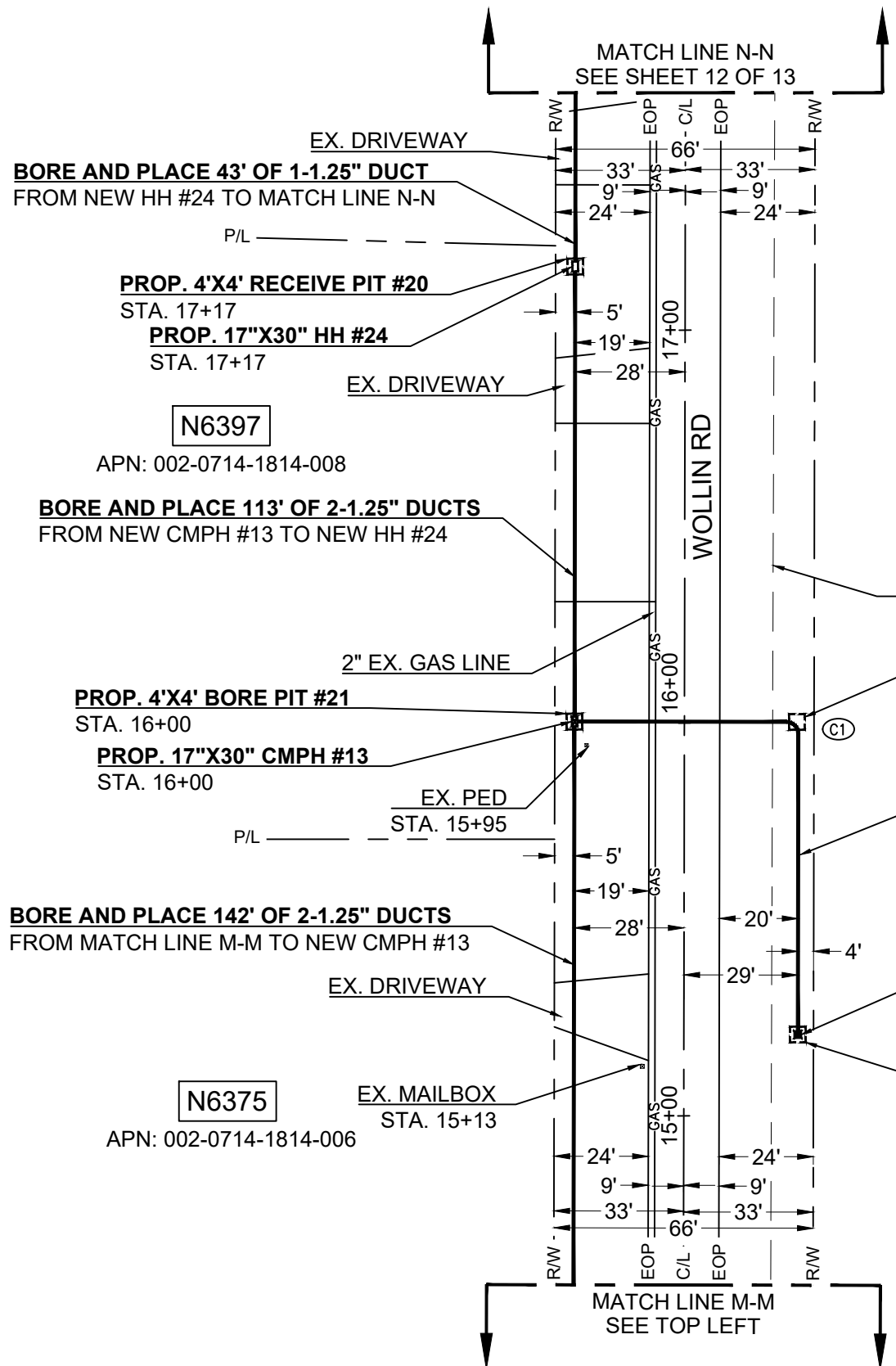
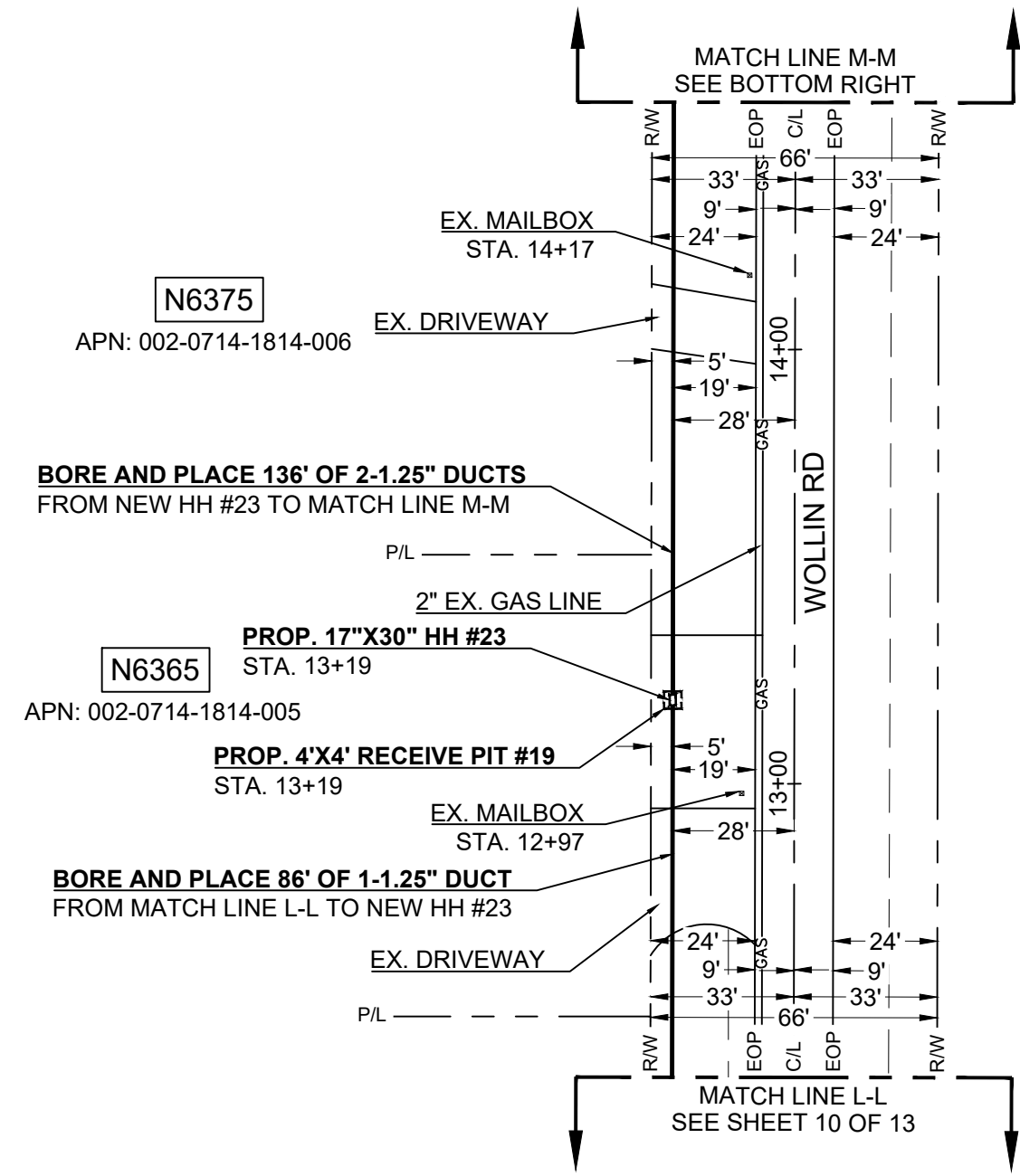
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**Frontier**  
 COMMUNICATIONS

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 FTR INSPECTOR: TBD

EST. #:      SHEET#: 10 OF 13

EXCAVATION DATA	
OWNER	DIRT
AZTALAN TOWN	BORE PIT (2) 4'X4'= 32 SQ FT.
	RECEIVE PIT (3) 4'X4'= 48 SQ FT.



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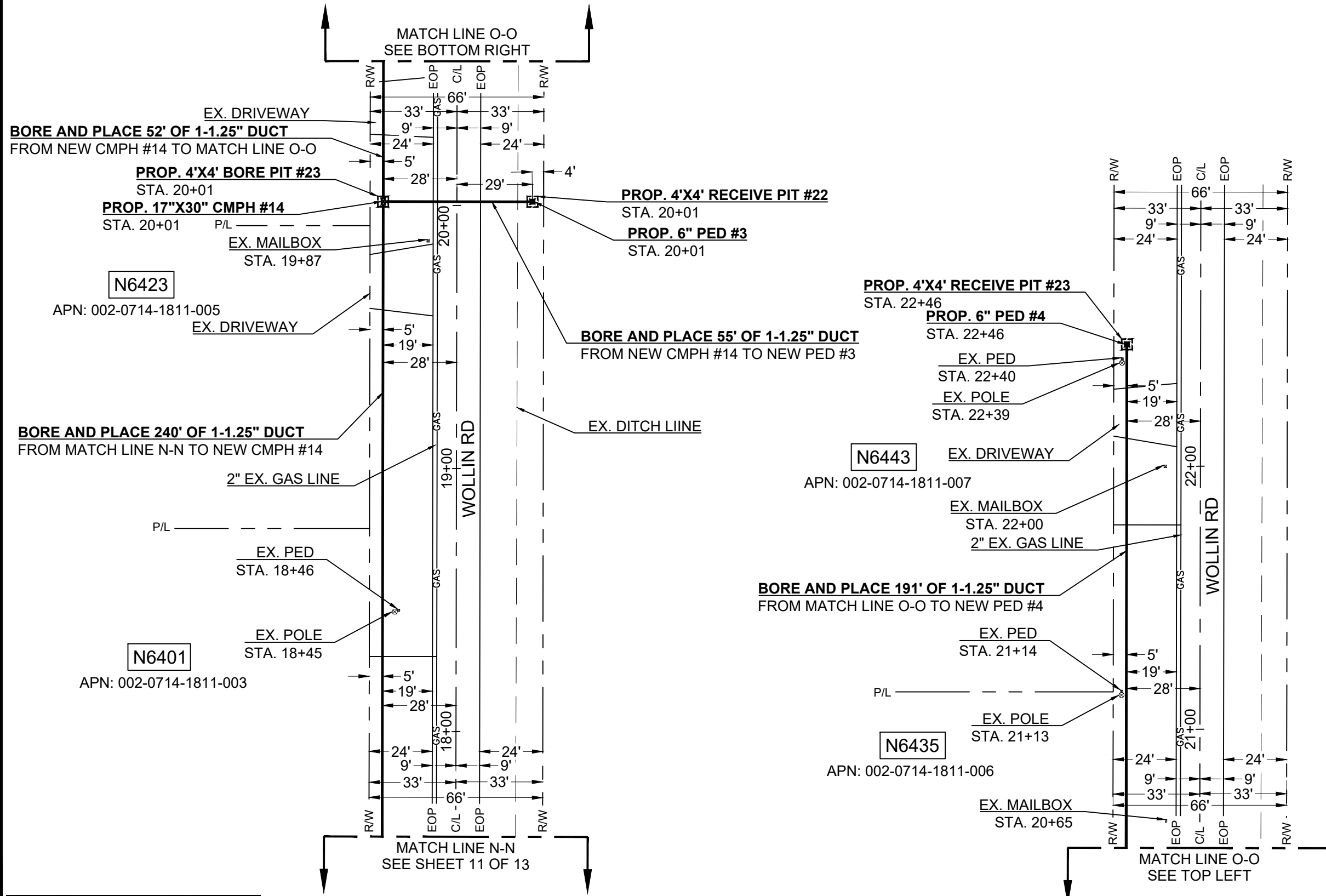
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EST. #:      SHEET#: 11 OF 13

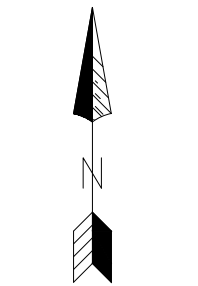
**EXCAVATION DATA**

OWNER	DIRT
AZTALAN TOWN	BORE PIT (1) 4'X4'= 16 SQ FT.  RECEIVE PIT (2) 4'X4'= 32 SQ FT.



N6443

APN: 002-0714-1811-007



SCALE: 1"=40'

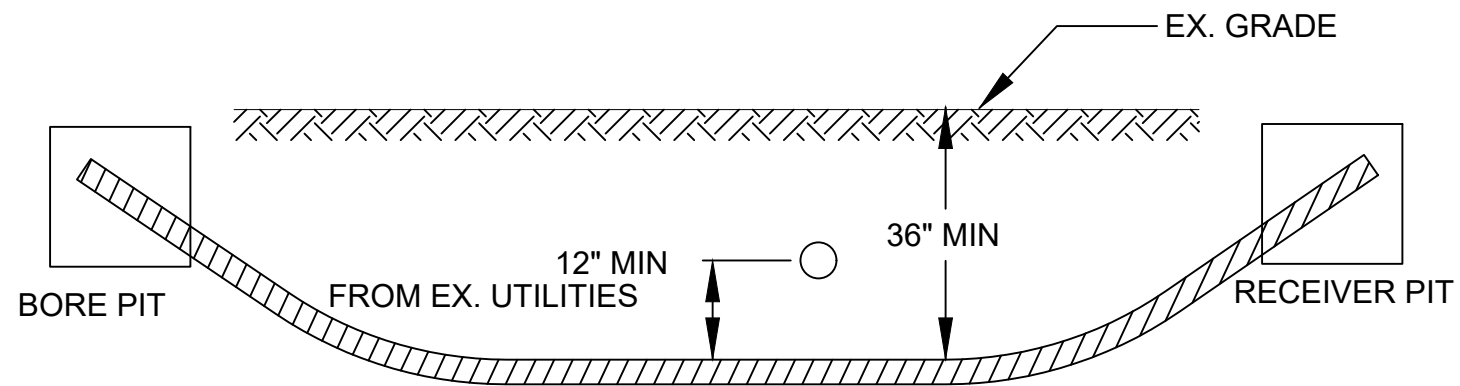


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EST. #: SHEET#: 12 OF 13

**DIGGERS HOTLINE**  
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 www.DiggersHotline.com

MINIMUM STANDARDS FOR DIRECTIONAL BORING



- PLACE END MARKER WITH UTILITY OWNER'S NAME DESCRIBING CONDUIT
- BORE PIT TO BE BACKFILLED AND COMPACTED IN 12" LIFTS WITH MATERIAL REMOVED
- FLOW OF DITCH MUST BE MAINTAINED AT ALL TIMES
- PROTECT ROOTS AT ALL TREE LOCATIONS, SHIFT BORE TRENCH IF NECESSARY

TYPICAL BORE DETAIL

SCALE	1
N.T.S.	

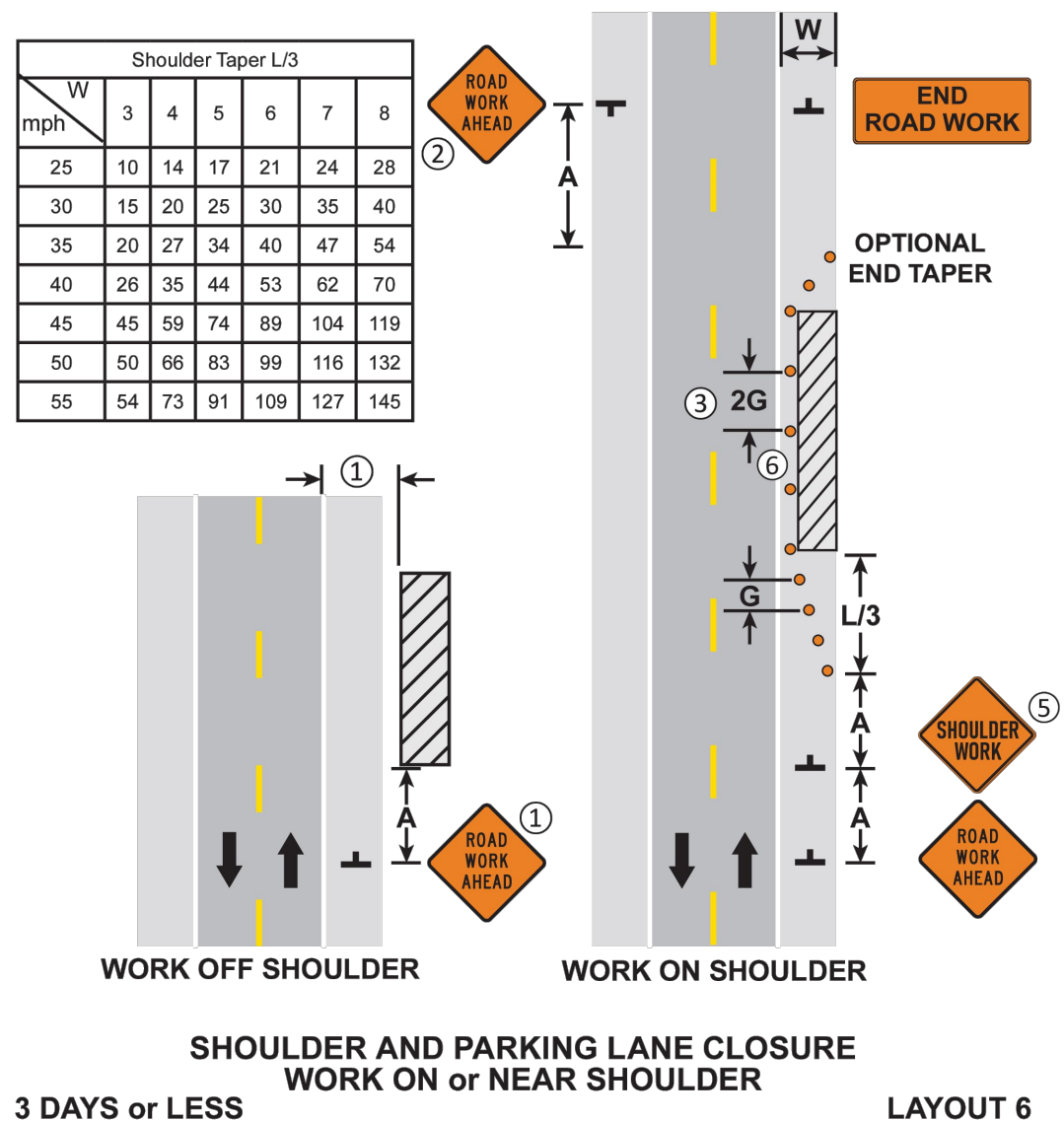


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EST. #:	SHEET#: 13 OF 13
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**NOTES:**

- ① The ROAD WORK AHEAD sign may be omitted for short term daylight operations if a vehicle is displaying and operating a 360-degree flashing beacon and:
  - a. The distance from curb face to the work space is at least 2 feet, or
  - b. The distance from the edge of the roadway to the work space is at least 15 feet.
- ② This ROAD WORK AHEAD sign shall be installed on two-lane, two-way roads if traffic control devices are installed for a work space in the opposite shoulder.
- ③ If this layout is used to close a parking lane that is normally open to vehicle travel during the time of day the closure will be in effect, the lane shall be considered a traveled lane and not a parking lane. Layout 39 shall be used to provide traffic control for the lane closure.
- 4. If this layout is used to close a parking lane, channelizer spacing may be reduced from 2G to G in high volume areas.
- ⑤ Change SHOULDER WORK sign to ROAD NARROWS sign if work encroaches the live lane.
- 6. ROAD WORK AHEAD and END ROAD WORK signs are not required if the work area is within a larger work zone where these signs are already present.



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EST. #:		SHEET#: TC	