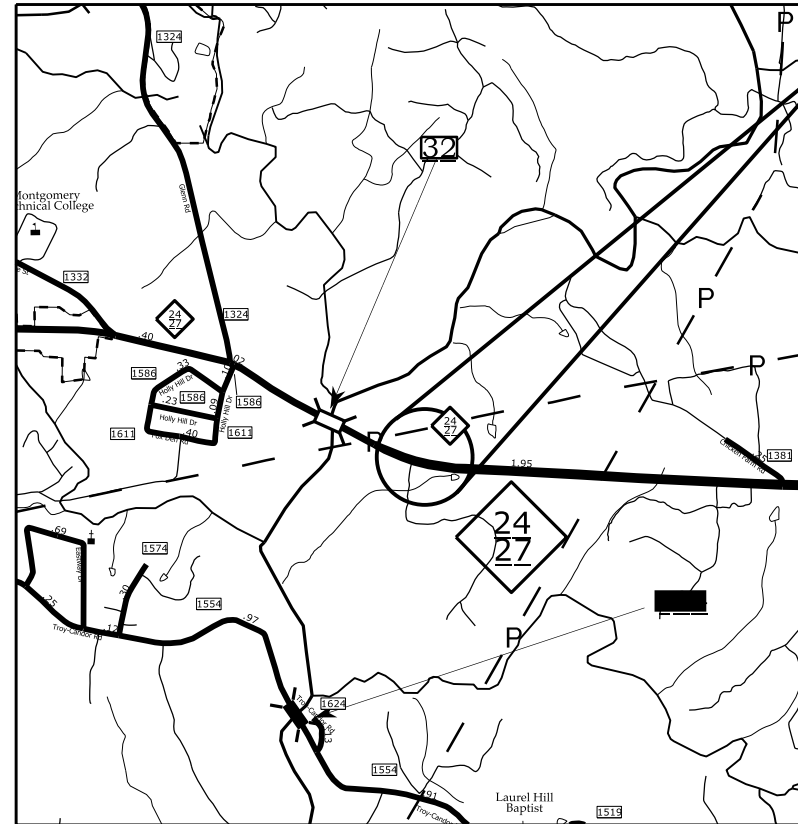


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**PROJECT: 34352.2.S2 NC 24-27**



**VICINITY MAP**

**PROJECT LOCATION**

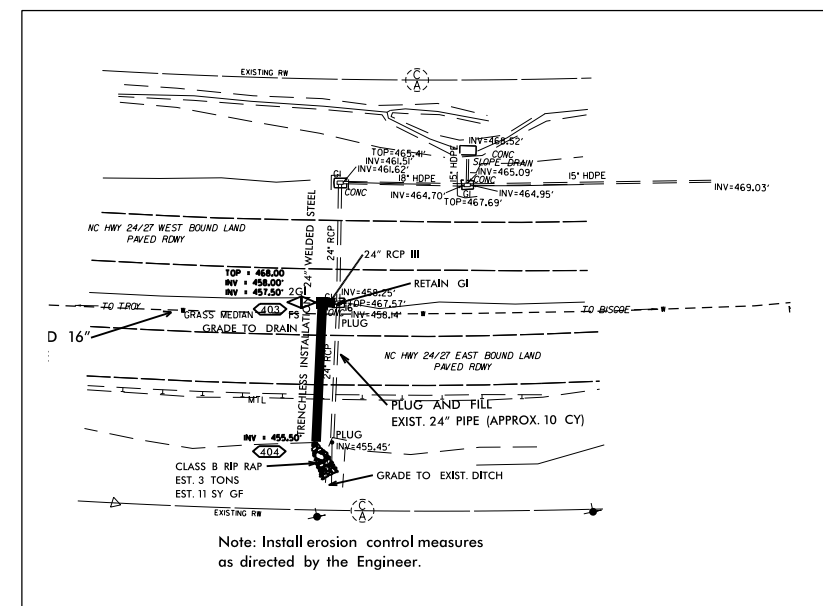
STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS

**MONTGOMERY COUNTY**

**LOCATION: NC 24-27 APPROXIMATELY 0.35 MILES EAST OF BRIDGES 32 AND 266 OVER LITTLE RIVER**

**TYPE OF WORK: TRENCHLESS INSTALLATION 24" PIPE**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	34352.2.S2	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
		PE	
		RW	
34352.2.S2		CONST	



4



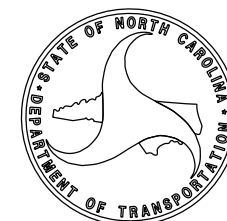
Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
**DIVISION 8 DESIGN & CONSTRUCT UNIT**  
 121 DOT DRIVE  
 CARTHAGE, NC 28327  
 PLANS PREPARED BY: DDC

**DIVISION OF HIGHWAYS**

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:  
 N/A

LETTING DATE:  
 June 28, 2022



DIVISION PROJECT ENGINEER

SIGNATURE: \_\_\_\_\_ P.E.

DIVISION PROJECT ENGINEER

# STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS CONVENTIONAL PLAN SHEET SYMBOLS

## BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin	○ EP
Computed Property Corner	-----
Property Monument	□ EPM
Parcel/Sequence Number	②③
Existing Fence Line	-x-x-x-
Proposed Woven Wire Fence	○
Proposed Chain Link Fence	□
Proposed Barbed Wire Fence	◇
Existing Wetland Boundary	-----
Proposed Wetland Boundary	-----
Existing Endangered Animal Boundary	-----
Existing Endangered Plant Boundary	-----
Existing Historic Property Boundary	-----
Known Contamination Area: Soil	---S---S---
Potential Contamination Area: Soil	---S---S---
Known Contamination Area: Water	---W---W---
Potential Contamination Area: Water	---W---W---
Contaminated Site: Known or Potential	-----

## BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap	○
Sign	○ S
Well	○ W
Small Mine	✕
Foundation	□
Area Outline	□
Cemetery	□ †
Building	□
School	□
Church	□
Dam	-----

## HYDROLOGY:

Stream or Body of Water	-----
Hydro, Pool or Reservoir	-----
Jurisdictional Stream	----- JS
Buffer Zone 1	----- BZ 1
Buffer Zone 2	----- BZ 2
Flow Arrow	←
Disappearing Stream	-----
Spring	○
Wetland	-----
Proposed Lateral, Tail, Head Ditch	-----
False Sump	-----

## RAILROADS:

Standard Gauge	-----
RR Signal Milepost	○ MILEPOST 35
Switch	□ SWITCH
RR Abandoned	-----
RR Dismantled	-----

Note: Not to Scale

\*S.U.E. = Subsurface Utility Engineering

## RIGHT OF WAY & PROJECT CONTROL:

Secondary Horiz and Vert Control Point	-----
Primary Horiz Control Point	-----
Primary Horiz and Vert Control Point	-----
Exist Permanent Easement Pin and Cap	-----
New Permanent Easement Pin and Cap	◇
Vertical Benchmark	△
Existing Right of Way Marker	△
Existing Right of Way Line	-----
New Right of Way Line	-----
New Right of Way Line with Pin and Cap	-----
New Right of Way Line with Concrete or Granite RW Marker	-----
New Control of Access Line with Concrete CA Marker	-----
Existing Control of Access	-----
New Control of Access	-----
Existing Easement Line	----- E
New Temporary Construction Easement	----- E
New Temporary Drainage Easement	----- TDE
New Permanent Drainage Easement	----- PDE
New Permanent Drainage / Utility Easement	----- DUE
New Permanent Utility Easement	----- PUE
New Temporary Utility Easement	----- TUE
New Aerial Utility Easement	----- AUE

## ROADS AND RELATED FEATURES:

Existing Edge of Pavement	-----
Existing Curb	-----
Proposed Slope Stakes Cut	----- C
Proposed Slope Stakes Fill	----- F
Proposed Curb Ramp	-----
Existing Metal Guardrail	-----
Proposed Guardrail	-----
Existing Cable Guiderail	-----
Proposed Cable Guiderail	-----
Equality Symbol	⊕
Pavement Removal	-----

## VEGETATION:

Single Tree	○
Single Shrub	○

Hedge	-----
Woods Line	-----
Orchard	-----
Vineyard	-----

## EXISTING STRUCTURES:

MAJOR:	
Bridge, Tunnel or Box Culvert	----- CONC
Bridge Wing Wall, Head Wall and End Wall	----- CONC WW
MINOR:	
Head and End Wall	----- CONC HW
Pipe Culvert	-----
Footbridge	-----
Drainage Box: Catch Basin, DI or JB	□ CB
Paved Ditch Gutter	-----
Storm Sewer Manhole	⊕
Storm Sewer	----- S

## UTILITIES:

POWER:	
Existing Power Pole	●
Proposed Power Pole	○
Existing Joint Use Pole	●
Proposed Joint Use Pole	○
Power Manhole	⊕
Power Line Tower	⊠
Power Transformer	⊠
U/G Power Cable Hand Hole	-----
H-Frame Pole	-----
U/G Power Line LOS B (S.U.E.*)	----- P
U/G Power Line LOS C (S.U.E.*)	----- P
U/G Power Line LOS D (S.U.E.*)	----- P

## TELEPHONE:

Existing Telephone Pole	●
Proposed Telephone Pole	○
Telephone Manhole	⊕
Telephone Pedestal	□
Telephone Cell Tower	⊠
U/G Telephone Cable Hand Hole	-----
U/G Telephone Cable LOS B (S.U.E.*)	----- T
U/G Telephone Cable LOS C (S.U.E.*)	----- T
U/G Telephone Cable LOS D (S.U.E.*)	----- T
U/G Telephone Conduit LOS B (S.U.E.*)	----- TC
U/G Telephone Conduit LOS C (S.U.E.*)	----- TC
U/G Telephone Conduit LOS D (S.U.E.*)	----- TC
U/G Fiber Optics Cable LOS B (S.U.E.*)	----- T FO
U/G Fiber Optics Cable LOS C (S.U.E.*)	----- T FO
U/G Fiber Optics Cable LOS D (S.U.E.*)	----- T FO

## WATER:

Water Manhole	⊕
Water Meter	○
Water Valve	⊗
Water Hydrant	⊕
U/G Water Line LOS B (S.U.E.*)	-----
U/G Water Line LOS C (S.U.E.*)	-----
U/G Water Line LOS D (S.U.E.*)	-----
Above Ground Water Line	----- A/G Water

## TV:

TV Pedestal	□
TV Tower	⊗
U/G TV Cable Hand Hole	-----
U/G TV Cable LOS B (S.U.E.*)	----- TV
U/G TV Cable LOS C (S.U.E.*)	----- TV
U/G TV Cable LOS D (S.U.E.*)	----- TV
U/G Fiber Optic Cable LOS B (S.U.E.*)	----- TV FO
U/G Fiber Optic Cable LOS C (S.U.E.*)	----- TV FO
U/G Fiber Optic Cable LOS D (S.U.E.*)	----- TV FO

## GAS:

Gas Valve	◇
Gas Meter	⊕
U/G Gas Line LOS B (S.U.E.*)	----- G
U/G Gas Line LOS C (S.U.E.*)	----- G
U/G Gas Line LOS D (S.U.E.*)	----- G
Above Ground Gas Line	----- A/G Gas

## SANITARY SEWER:

Sanitary Sewer Manhole	⊕
Sanitary Sewer Cleanout	⊕
U/G Sanitary Sewer Line	----- SS
Above Ground Sanitary Sewer	----- A/G Sanitary Sewer
SS Forced Main Line LOS B (S.U.E.*)	----- FSS
SS Forced Main Line LOS C (S.U.E.*)	----- FSS
SS Forced Main Line LOS D (S.U.E.*)	----- FSS

## MISCELLANEOUS:

Utility Pole	●
Utility Pole with Base	□
Utility Located Object	○
Utility Traffic Signal Box	⊠
Utility Unknown U/G Line LOS B (S.U.E.*)	-----
U/G Tank; Water, Gas, Oil	-----
Underground Storage Tank, Approx. Loc.	-----
A/G Tank; Water, Gas, Oil	-----
Geoenvironmental Boring	⊕
U/G Test Hole LOS A (S.U.E.*)	⊕
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.

PROJECT NO.	SHEET NO.
34352.2.S2	3

**SUMMARY OF QUANTITIES**

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	0043000000-N	0318000000-E	0320000000-E	0378000000-E	0973100000-E	0973300000-E	2264000000-E	2275000000-E	2286000000-N	2308000000-E
											GRADING	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	FOUNDATION CONDITIONING GEOTEXTILE	24" RC PIPE CULVERT, CLASS III	24" WELDED STEEL PIPE, 0.375" THICK, GRADE B IN SOIL	24" WELDED STEEL PIPE, 0.375" THICK, GRADE B NOT IN SOIL	PIPE PLUGS	FLOWABLE FILL	MASONRY DRAINAGE STRUCTURE	MASONRY DRAINAGE STRUCTURE (LF)
									MI	FT	LS	TON	SY	LF	LF	LF	CY	CY	EA	LF
34352.2.S2	Montgomery	1	NC 24/27	BORE AND JACK 24"	4	MD	NO	NO	1	1	1.000	2	5	8	87.00	10.00	1.000	10	1	6.00
<b>TOTAL FOR MAP NO. 1</b>									<b>1</b>		<b>1.000</b>	<b>2</b>	<b>5</b>	<b>8</b>	<b>87.00</b>	<b>10.00</b>	<b>1.000</b>	<b>10</b>	<b>1</b>	<b>6.00</b>
<b>TOTAL FOR PROJ NO. 34352.2.S2</b>									<b>1</b>		<b>1.000</b>	<b>2</b>	<b>5</b>	<b>8</b>	<b>87.00</b>	<b>10.00</b>	<b>1.000</b>	<b>10</b>	<b>1</b>	<b>6.00</b>
<b>GRAND TOTAL</b>									<b>1</b>		<b>1.000</b>	<b>2</b>	<b>5</b>	<b>8</b>	<b>87.00</b>	<b>10.00</b>	<b>1.000</b>	<b>10</b>	<b>1</b>	<b>6.00</b>

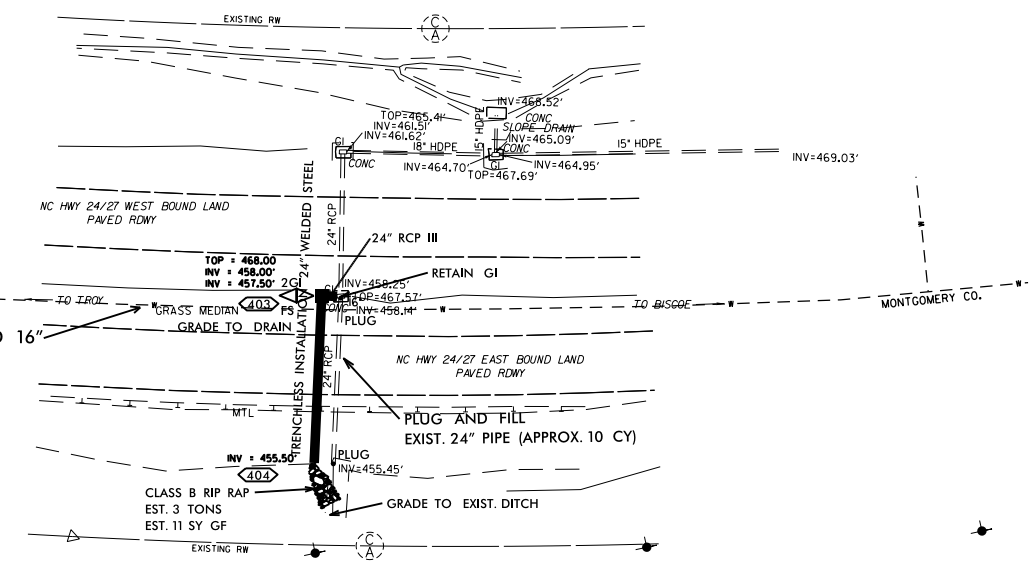
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	3649000000-E	3656000000-E	4413000000-E	4457000000-N	6000000000-E	6036000000-E	6071010000-E	6084000000-E	6117500000-N
											RIP RAP, CLASS B	GEOTEXTILE FOR DRAINAGE	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	TEMPORARY SILT FENCE	MATTING (EROSION CONTROL)	WATTLE	SEED & MULCHING	CONCRETE WASHOUT STRUCTURE
									MI	FT	TON	SY	SF	LS	LF	SY	LF	AC	EA
34352.2.S2	Montgomery	1	NC 24/27	BORE AND JACK 24"	4	MD	NO	NO	1	1	3	11	80	1.0000	100	200	100	0.50	1
<b>TOTAL FOR MAP NO. 1</b>									<b>1</b>		<b>3</b>	<b>11</b>	<b>80</b>	<b>1</b>	<b>100</b>	<b>200</b>	<b>100</b>	<b>0.50</b>	<b>1</b>
<b>TOTAL FOR PROJ NO. 34352.2.S2</b>									<b>1</b>		<b>3</b>	<b>11</b>	<b>80</b>	<b>1</b>	<b>100</b>	<b>200</b>	<b>100</b>	<b>0.50</b>	<b>1</b>
<b>GRAND TOTAL</b>									<b>1</b>		<b>3</b>	<b>11</b>	<b>80</b>	<b>1</b>	<b>100</b>	<b>200</b>	<b>100</b>	<b>0.50</b>	<b>1</b>

PROJECT REFERENCE NO. <b>34352.2.S2</b>	SHEET NO. <b>04</b>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
<b>INCOMPLETE PLANS</b> DO NOT USE FOR R/W ACQUISITION	
<b>DOCUMENT NOT CONSIDERED FINAL</b> UNLESS ALL SIGNATURES COMPLETED	



PF1  
NORTHING = 585660.762  
EASTING = 1747134.894  
ELEV = 444.574'

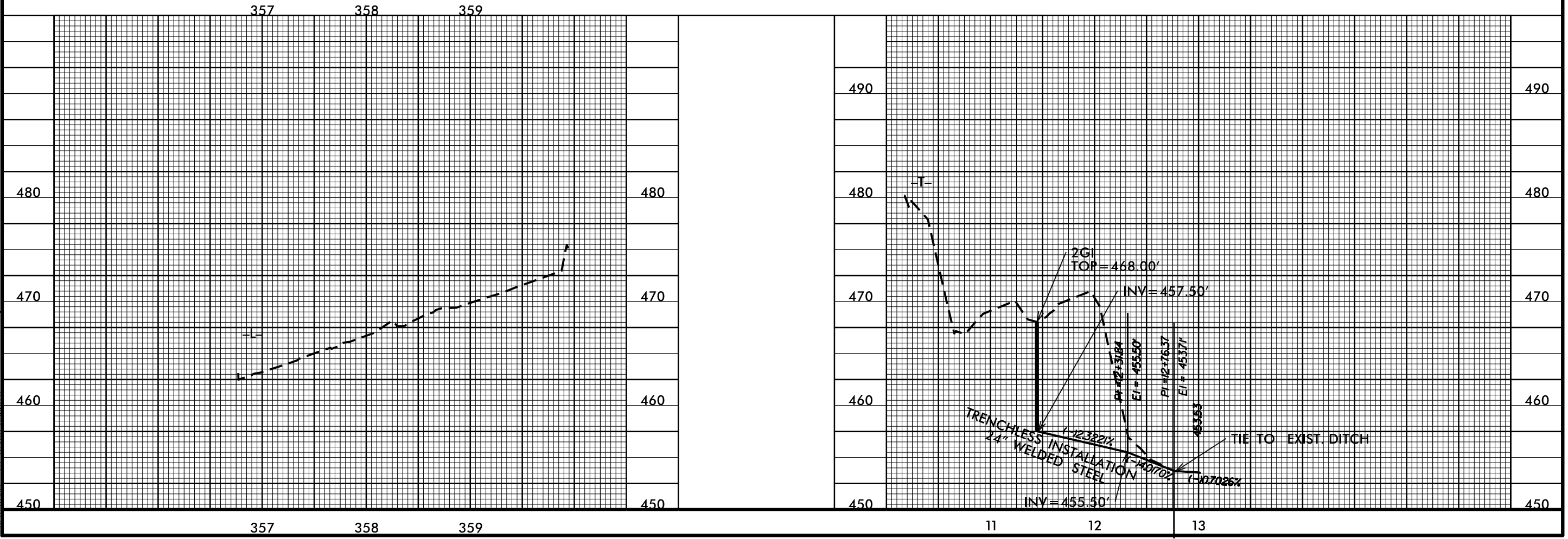
PF2  
NORTHING = 585445.051  
EASTING = 1747566.348  
ELEV = 462.770'



Note: Install erosion control measures as directed by the Engineer.

REVISIONS

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