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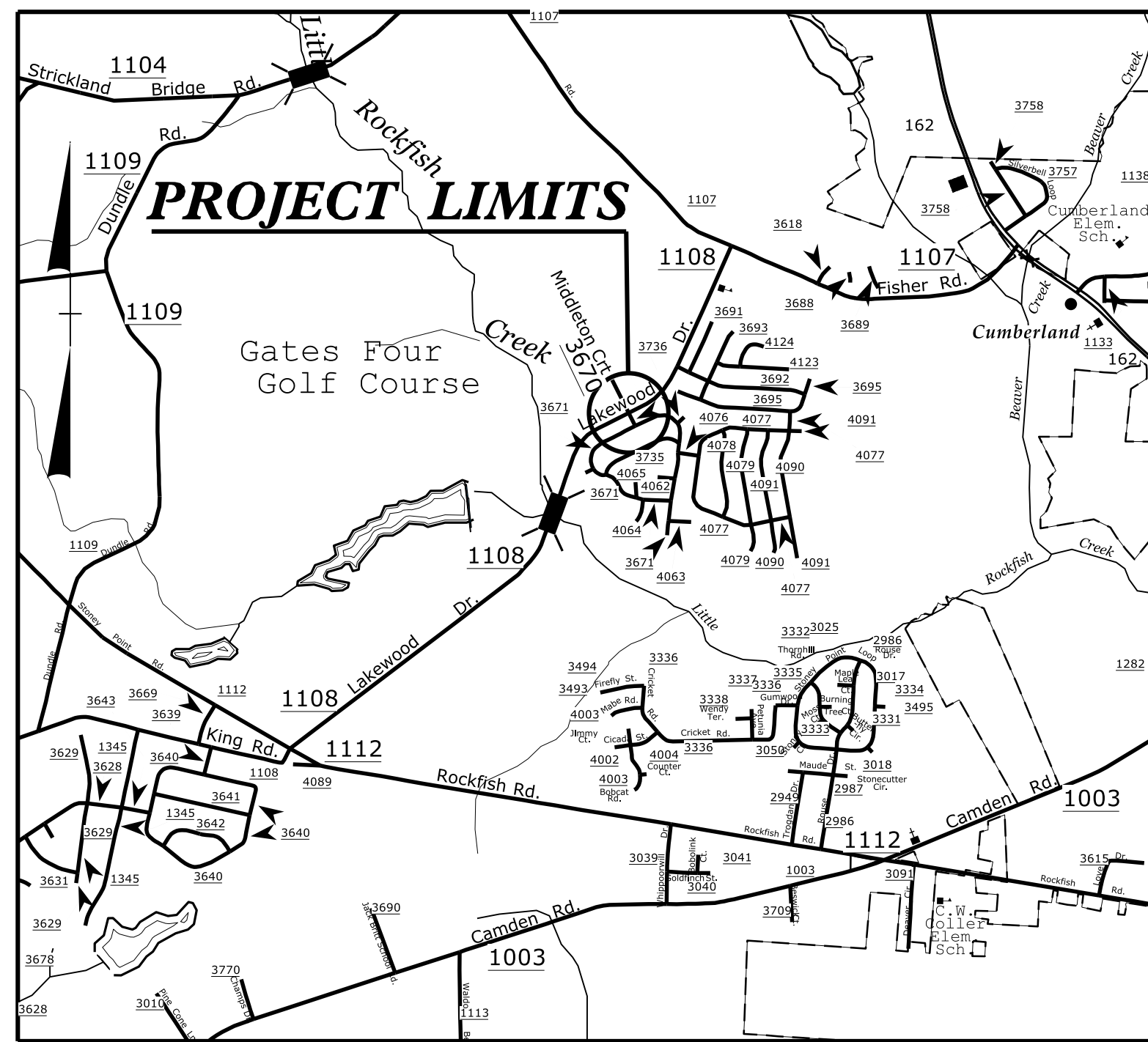
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09/08/99
 15-OCT-2018 08:19
 H:\DDC\Projects\W-5601FN SR 1108 (Lakewood) @ (Lullwater-Middleton Cr+)\Roadway\Proj\W-5601FN.Rdy_+t.sh.dgn
 \$\$\$USERNAME\$\$\$

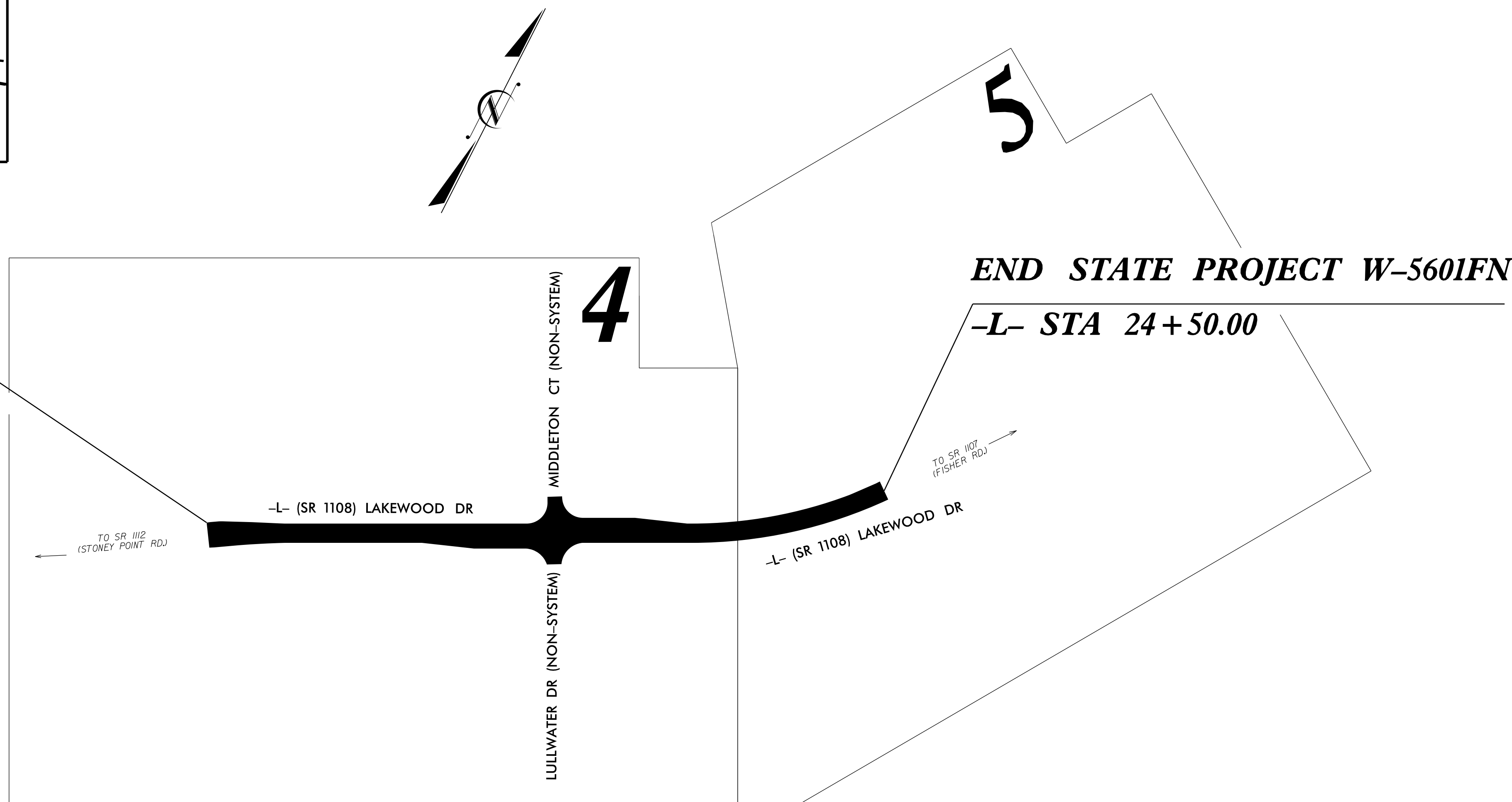
TIP PROJECT: W-5601FN

CONTRACT:



**VICINITY MAP
(N.T.S.)**

BEGIN STATE PROJECT W-5601FN
-L- STA 11+50.00



STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

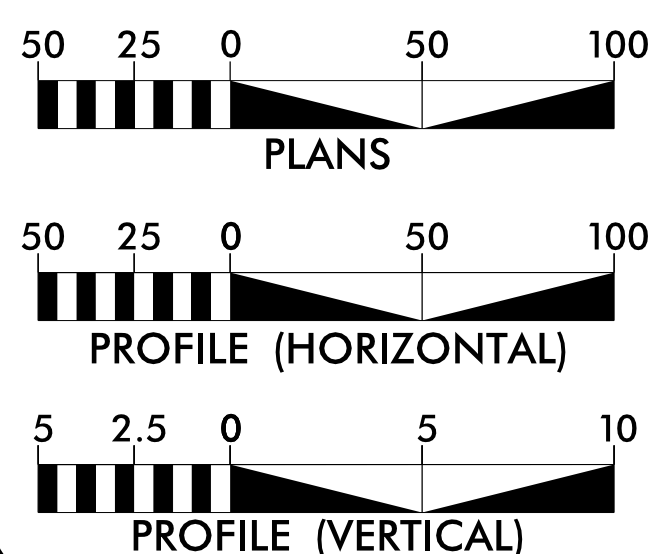
CUMBERLAND COUNTY

**LOCATION: SR 1108 (LAKEWOOD DR.) AT MIDDLETON CT. (NON-SYSTEM)
 AND LULLWATER DR. (NON-SYSTEM)**

**TYPE OF WORK: ADD RT. TURN LANES, CHANGE 2 LANE SECTION TO A 3 LANE SECTION,
 GRADING, PAVING, WIDENING, GUARDRAIL, DRAINAGE, AND PAVEMENT MARKINGS**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W-5601FN	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
50138.1.171	HSIP-1108 (019)	P.E.	
50138.2.171	HSIP-1108 (019)	ROW /UTIL	
50138.3.171	HSIP-1108 (019)	CONSTRUCTION	

GRAPHIC SCALES



DESIGN DATA

ADT 12750 = 2017
 ADT 23725 = 2037
 45 Mph Posted

PROJECT LENGTH

TOTAL PROJECT LENGTH = 0.246 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS
 431 Transportation Dr., Fayetteville NC 28301

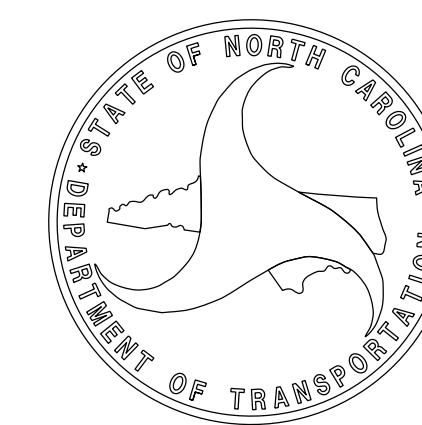
2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
 OCTOBER 31, 2017

LETTING DATE:
 NOVEMBER 14, 2018

JOHN GAUTHIER
 PROJECT ENGINEER

GLEND A SNIVELY
 PROJECT DESIGN 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	○ EIP
Computed Property Corner	----->
Property Monument	□ EDM
Parcel/Sequence Number	⑫③
Existing Fence Line	-x-x-x-
Proposed Woven Wire Fence	○
Proposed Chain Link Fence	□
Proposed Barbed Wire Fence	◇
Existing Wetland Boundary	----- WLB
Proposed Wetland Boundary	----- WLB
Existing Endangered Animal Boundary	----- EAB
Existing Endangered Plant Boundary	----- EPB
Existing Historic Property Boundary	----- HPB
Known Contamination Area: Soil	☠-S-☠
Potential Contamination Area: Soil	??-S-??
Known Contamination Area: Water	☠-W-☠
Potential Contamination Area: Water	??-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	-----

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 C/A Marker	-----
Existing Control of Access	-----
New Control of Access	-----
Existing Easement Line	-----
New Temporary Construction Easement	-----
New Temporary Drainage Easement	-----
New Permanent Drainage Easement	-----
New Permanent Drainage / Utility Easement	-----
New Permanent Utility Easement	-----
New Temporary Utility Easement	-----
New Aerial Utility Easement	-----

ROADS AND RELATED FEATURES:

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

VEGETATION:

Single Tree	☼
Single Shrub	☼

Note: Not to Scale

*S.U.E. = Subsurface Utility Engineering

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	○ S
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.*)	----- W
U/G Water Line LOS C (S.U.E.*)	----- W
U/G Water Line LOS D (S.U.E.*)	----- W
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:

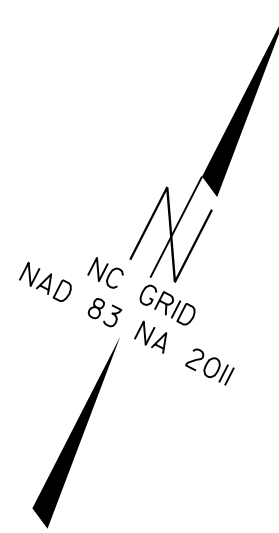
Utility Pole	●
Utility Pole with Base	□
Utility Located Object	○
Utility Traffic Signal Box	⊠
Utility Unknown U/G Line LOS B (S.U.E.*)	----- ?UTL
U/G Tank; Water, Gas, Oil	□
Underground Storage Tank, Approx. Loc.	⊕
A/G Tank; Water, Gas, Oil	□
Geoenvironmental Boring	⊕
U/G Test Hole LOS A (S.U.E.*)	⊕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

PROJECT REFERENCE NO.	SHEET NO.
W-5601FN	1C-1
Location and Surveys	

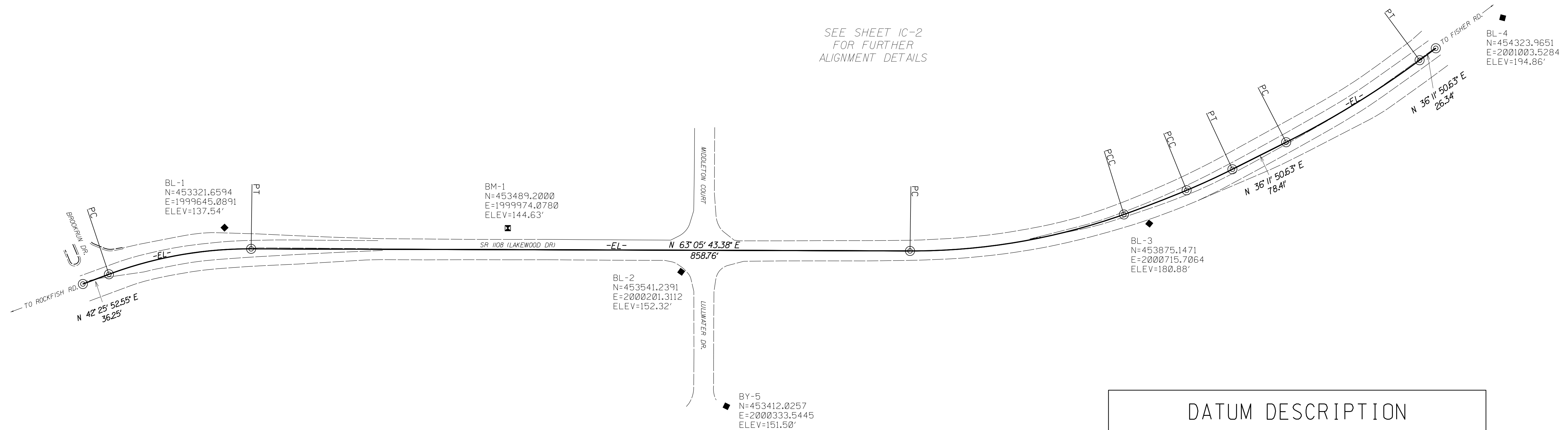
PROJECT SURVEYOR

SURVEY CONTROL SHEET W-5601FN

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



SEE SHEET 1C-2
FOR FURTHER
ALIGNMENT DETAILS



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "W5601FN-2" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 453007.285(ft) EASTING: 1999377.898(ft) ELEVATION: 134.74(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9998804343

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "W5601FN-2" TO -L- STATION 5+00.00 IS N40°21'41.99"E 412.58'

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

REVISIONS

6/2/99

28 JUN 2018 11:38 AM W:\V\W-5601FN SR 1108 (Lakewood) @ Lulwater-Middleton Cr\Roadway\Proj\W5601fn_1s_1c1.dgn

PROJECT
SURVEYOR

SURVEY CONTROL SHEET W-5601FN

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

BASELINE

BL	POINT	DESC.	NORTH	EAST	ELEVATION	BL STATION	OFFSET
1		W5601FN BL1	453321.6594	1999645.0891	137.54	5+00.00	0.00
2		W5601FN BL2	453541.2391	2000201.3112	152.32	10+98.00	0.00
3		W5601FN BL3	453875.1471	2000715.7064	180.88	17+11.26	0.00
4		W5601FN BL4	454323.9651	2001003.5284	194.86	22+44.44	0.00

BY	POINT	DESC.	NORTH	EAST	ELEVATION	BY STATION	OFFSET
5		W5601FN BY5	453412.0257	2000333.5445	151.50	5+00.00	0.00
200		W5601FN BL2	453541.2391	2000201.3112	152.32	6+84.88	0.00

 BMI ELEVATION = 144.63
 N 453489 E 1999974
 BL STATION 8+68.00 35 LEFT
 RR SPIKE IN BASE OF 10IN PINE

EL POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	453172.108	1999514.143							
LINE			N 42°25'52.6" E	36.25					
PC	453198.861	1999538.598							
CURVE			N 52°45'48.0" E	188.32	20°39'50.8"(RT)	10°54'48.5"	189.34	95.71	525.00
PT	453312.815	1999688.528							
LINE			N 63°05'43.4" E	858.76					
PC	453701.410	2000454.338							
CURVE			N 53°13'33.2" E	282.82	19°44'20.3"(LT)	06°56'41.8"	284.22	143.53	825.00
PCC	453870.722	2000680.876							
CURVE			N 41°48'41.5" E	87.62	03°05'23.2"(LT)	03°31'33.2"	87.63	43.83	1625.00
PCC	453936.029	2000739.291							
CURVE			N 38°13'55.3" E	65.68	04°04'09.3"(LT)	06°11'38.9"	65.69	32.86	925.00
PT	453987.623	2000779.937							
LINE			N 36°11'50.6" E	78.41					
PC	454050.899	2000826.244							
CURVE			N 31°18'58.7" E	204.21	09°45'43.8"(LT)	04°46'28.7"	204.46	102.48	1200.00
PT	454225.358	2000932.385							
LINE			N 26°26'06.8" E	26.24					
POT	454248.852	2000944.066							

NOTES:

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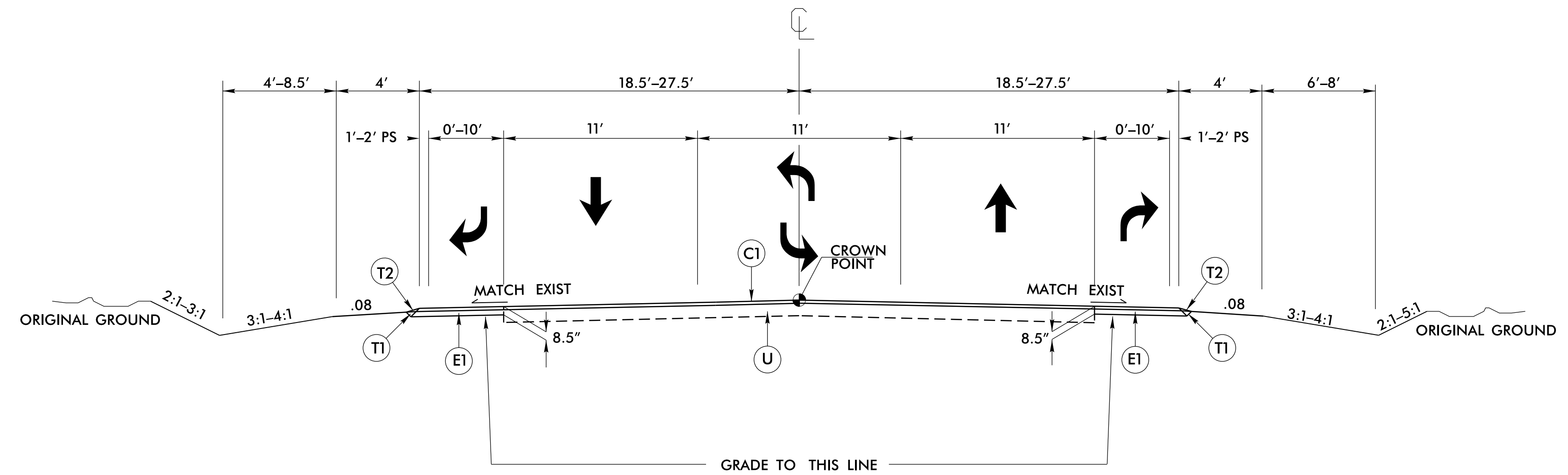
REVISIONS

6/2/99

28 JUN 2018 11:41 AM C:\Users\jstern\OneDrive\Documents\2018\W-5601FN SR 1108 (Lakewood) @ (L)\water-Middleton Cr-t)\Roadway\Pro\W5601fn_ls_1c2.dgn

TRANSITION FROM EXISTING TO TYPICAL SECTION NO. 1

-L-LINE (LAKEWOOD DR.) STA. EXIST TO 13+00

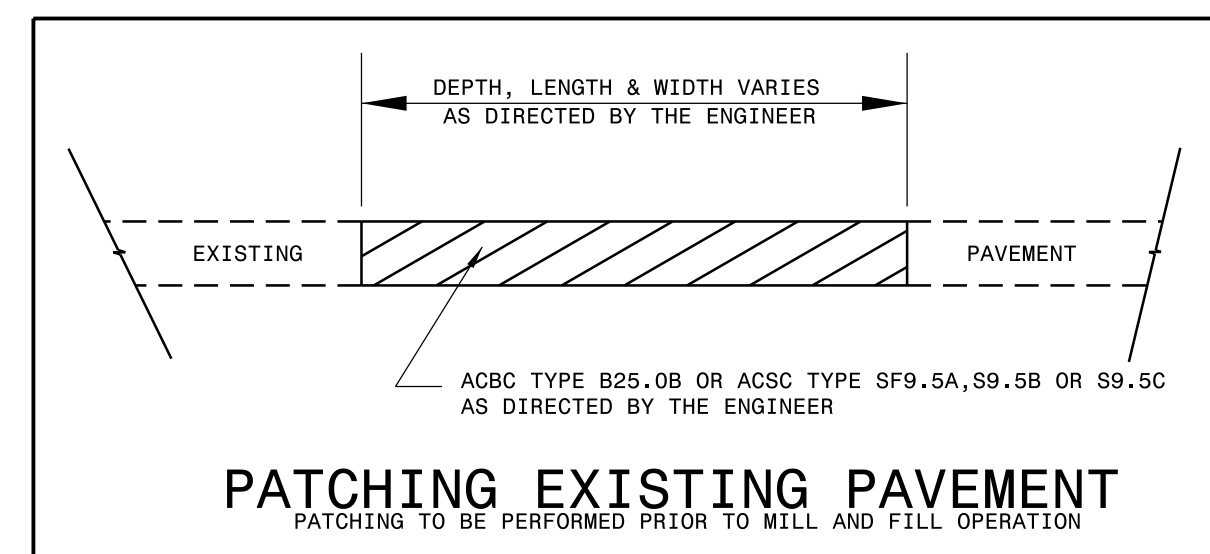


TYPICAL SECTION NO. 1

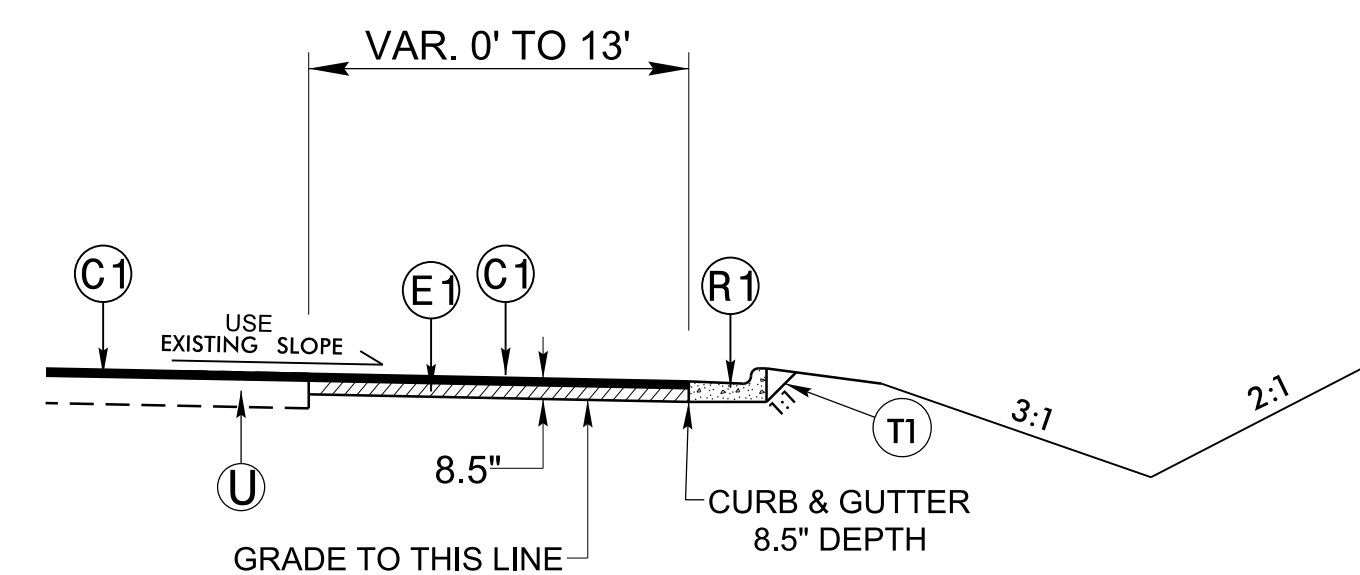
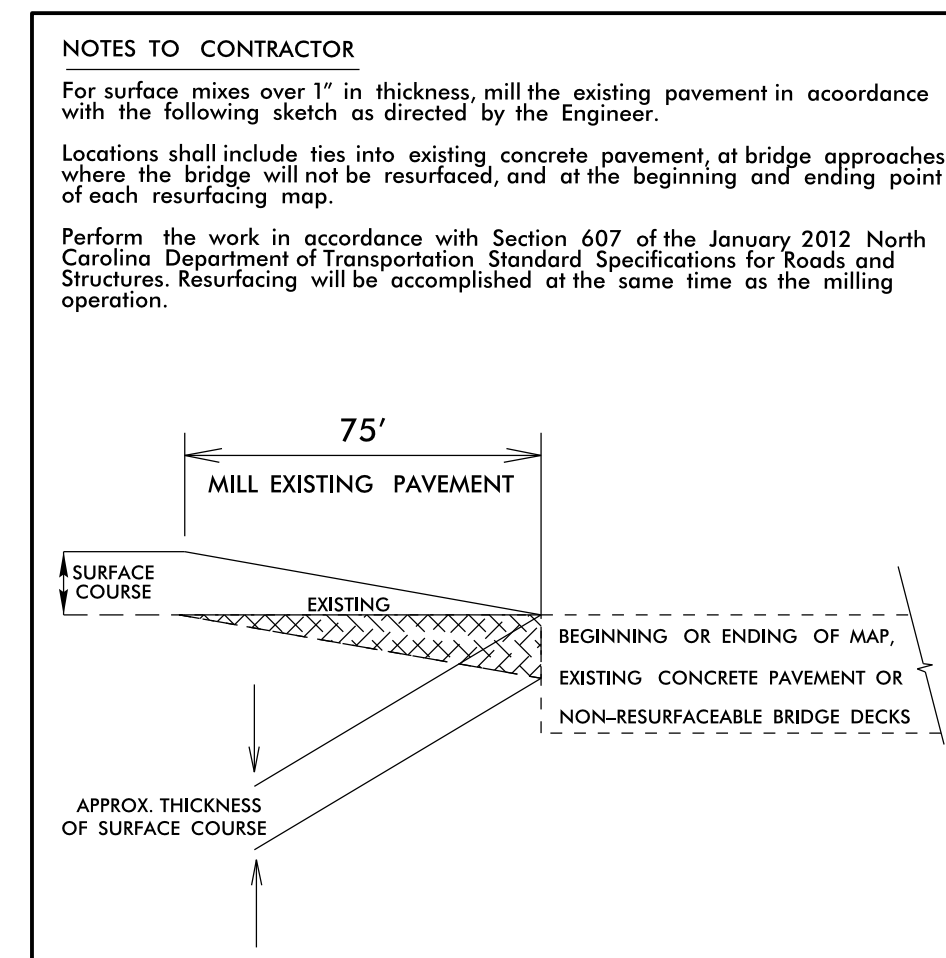
LT-L- STA. 13+00.00 TO 24+50.00
 RT-L- STA. 13+00.00 TO 17+50.00
 RT-L- STA. 18+35.00 TO 24+50.00

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 330 LBS. PER SQ. YD.
E1	PROP. APPROX. 5 1/2" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
R1	2'-6" CONCRETE CURB & GUTTER x 8.5" DEEP
T1	EARTH MATERIAL.
T2	AGGREGATE SHOULDER BORROW
U	EXISTING PAVEMENT.

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



MILLING AT PAVEMENT TIE-INS



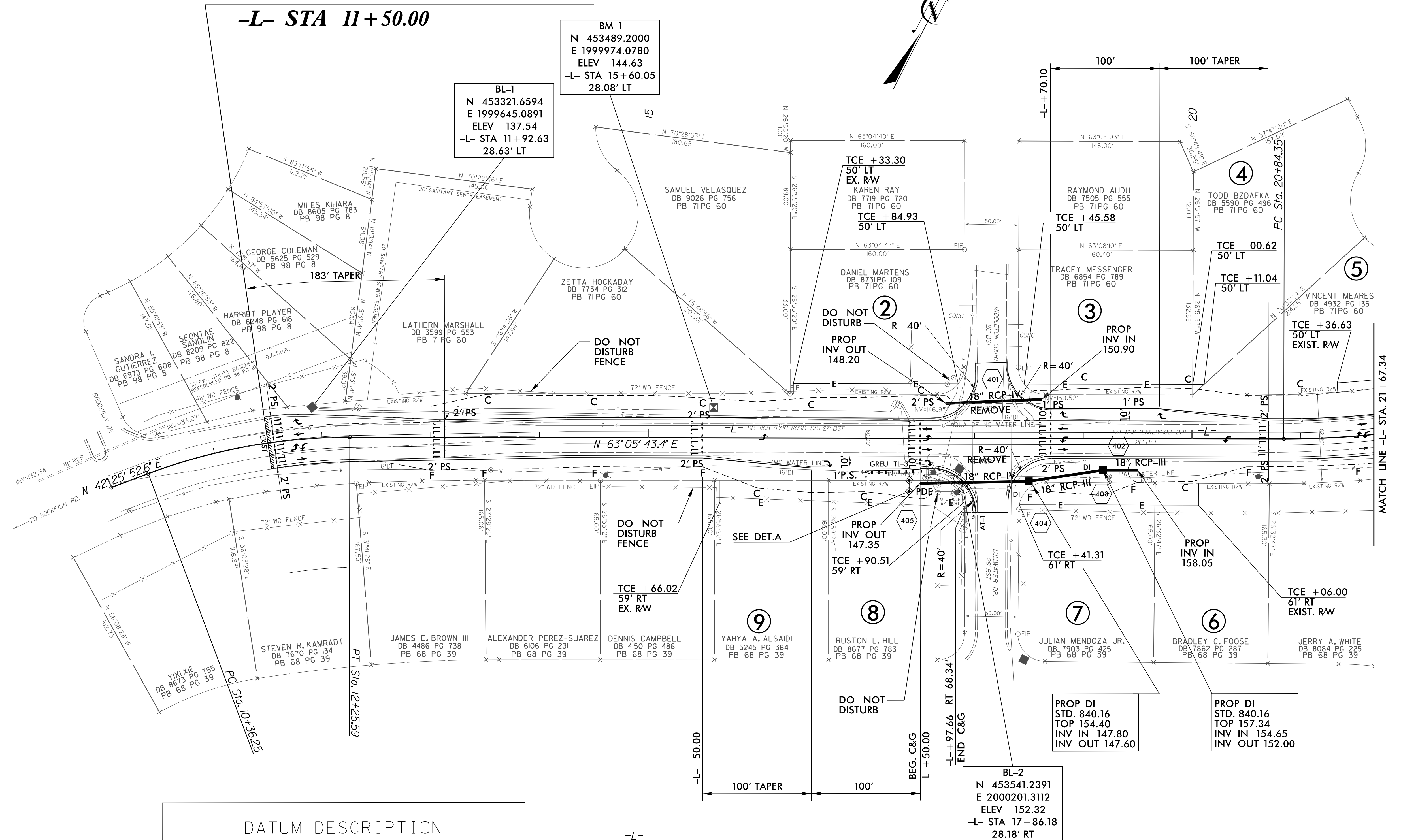
USE WITH TYPICAL SECTION NO.1 AT THE FOLLOWING LOCATION:
 -L- STA 17+50.00 RT TO STA 18+01.00 (RT)

PROJECT NOTES

- The contractor shall not work on both sides of the road simultaneously within the same area.
- Ingress and egress shall be maintained to all businesses and dwellings on the project.
- At the end of each workday, the contractor shall be required to backfill any area adjacent to existing travelway that has been graded, leaving no more than a 1" drop-off.
- A minimum of two-way, two-lane traffic (plus all existing left and right turn lanes) shall be maintained during periods of construction inactivity.
- The Contractor shall not be allowed to stop traffic for more than 5 minutes at a time in any one direction.
- During periods of construction inactivity, the difference in elevation between lanes shall not exceed 1-1/2 inch.
- Access to police and fire stations, fire hydrants, and hospitals shall be maintained at all times.
- During periods of construction inactivity, place cones/drums 3' from existing edge of pavement (travelway) as directed by the Engineer.
- Contractor to install and maintain Erosion Control devices as directed by the Engineer.
- Contractor shall coordinate with the Division Six Traffic Services Unit (910-486-1452) for placement of all pavement markings and signs 14 days prior to placement.
- The contractor shall be responsible for the permanent staking of all Proposed Right of Way, Control of Access and Drainage Easements Per NCDOT Division 6 Special Provision in the contract.

BEGIN STATE PROJECT W-5601FN

-L- STA 11+50.00



BM-1
N 453489.2000
E 1999974.0780
ELEV 144.63
-L- STA 15+60.05
28.08' LT

BL-1
N 453321.6594
E 1999645.0891
ELEV 137.54
-L- STA 11+92.63
28.63' LT

BL-2
N 453541.2391
E 2000201.3112
ELEV 152.32
-L- STA 17+86.18
28.18' RT

DATUM DESCRIPTION

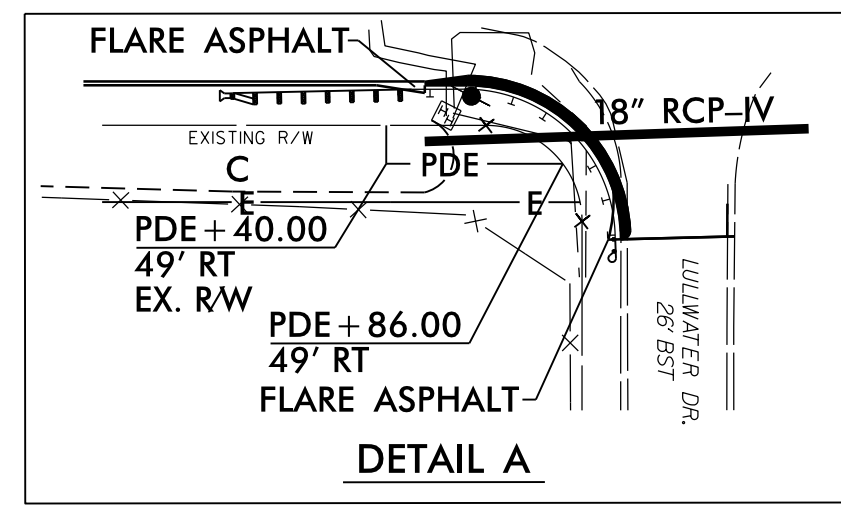
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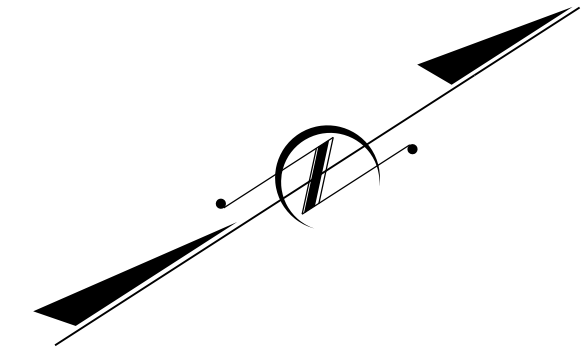
-L-

CURVE 1
Pi Sta 11+31.96
 $\Delta = 20^\circ 39' 50.8" (RT)$
 $D = 10^\circ 54' 48.5"$
 $L = 189.34'$
 $T = 95.71'$
 $R = 525.00'$

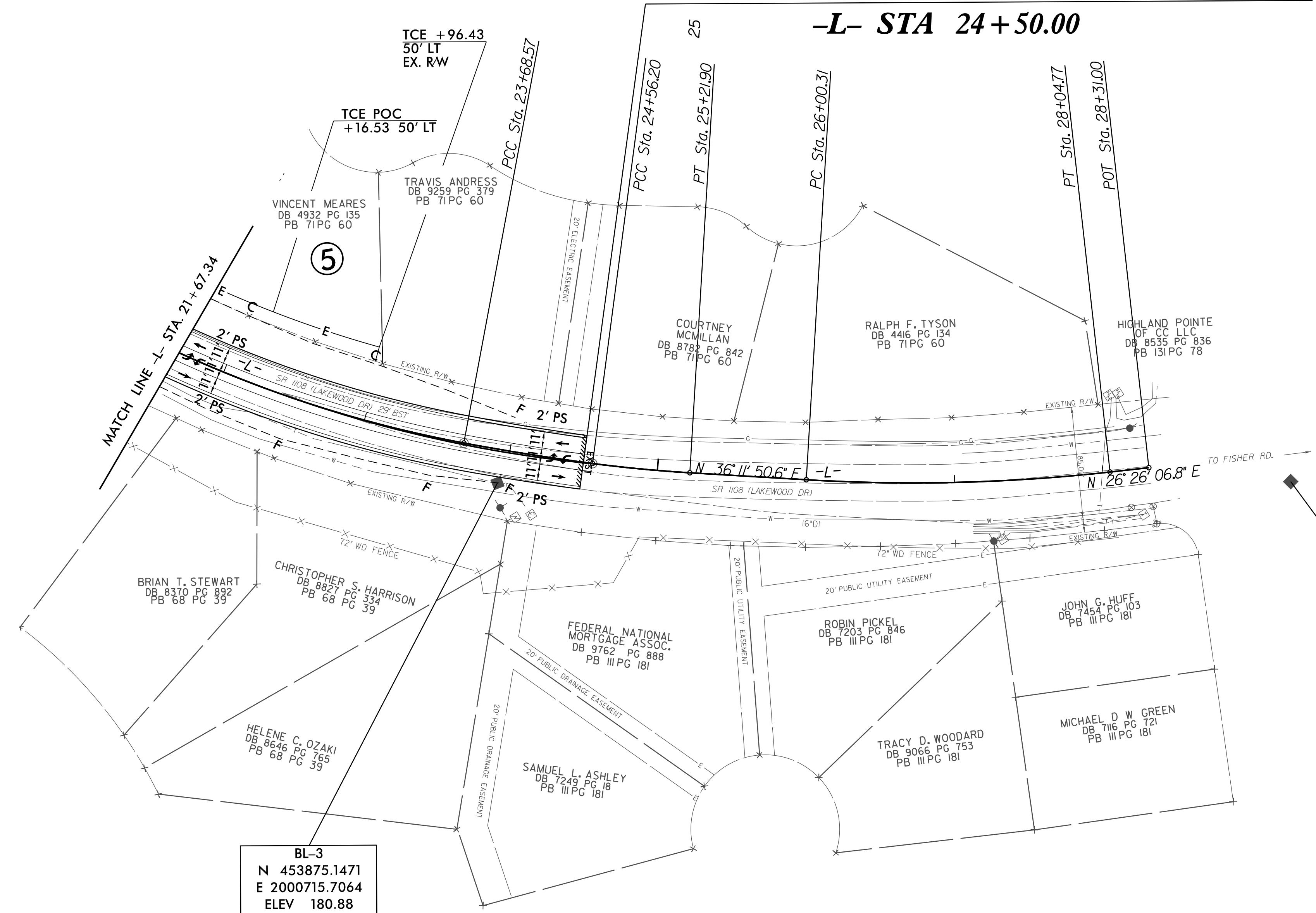


REVISIONS

23-AUG-2018 15:26 \\L:\water-Middleton-Cr-t\Roadway\Pro\W-5601FN_Rdy_PSH_4.dgn
 8/17/99
 L:\water-Middleton-Cr-t\Roadway\Pro\W-5601FN_Rdy_PSH_4.dgn
 8/17/99



END STATE PROJECT W-5601FN
-L- STA 24+50.00



BL-3
 N 453875.1471
 E 2000715.7064
 ELEV 180.88
 -L- STA 23+95.33
 22.51' RT

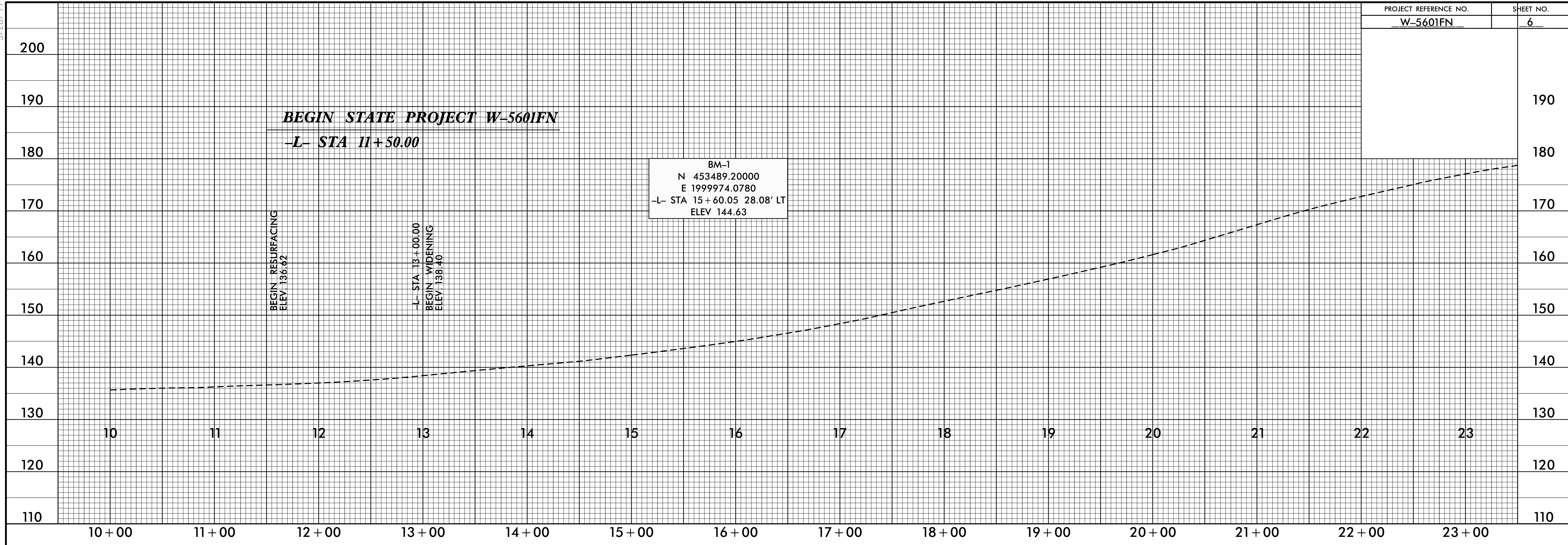
BL-4
 N 454323.9651
 E 2001003.5284
 ELEV 194.86
 -L- STA 28+31.00
 19.81' RT

CURVE 2	CURVE 3	CURVE 4	CURVE 5
PI Sta 22+27.88	PI Sta 24+12.40	PI Sta 24+89.07	PI Sta 27+02.79
$\Delta = 19^{\circ}44'20.3"$ (LT)	$\Delta = 3^{\circ}05'23.2"$ (LT)	$\Delta = 4^{\circ}04'09.3"$ (LT)	$\Delta = 9^{\circ}45'43.8"$ (LT)
D = 6' 56" 41.8"	D = 3' 31" 33.2"	D = 6' 11" 38.9"	D = 4' 46" 28.7"
L = 284.22'	L = 87.63'	L = 65.69'	L = 204.46'
T = 143.53'	T = 43.83'	T = 32.86'	T = 102.48'
R = 825.00'	R = 1,625.00'	R = 925.00'	R = 1,200.00'

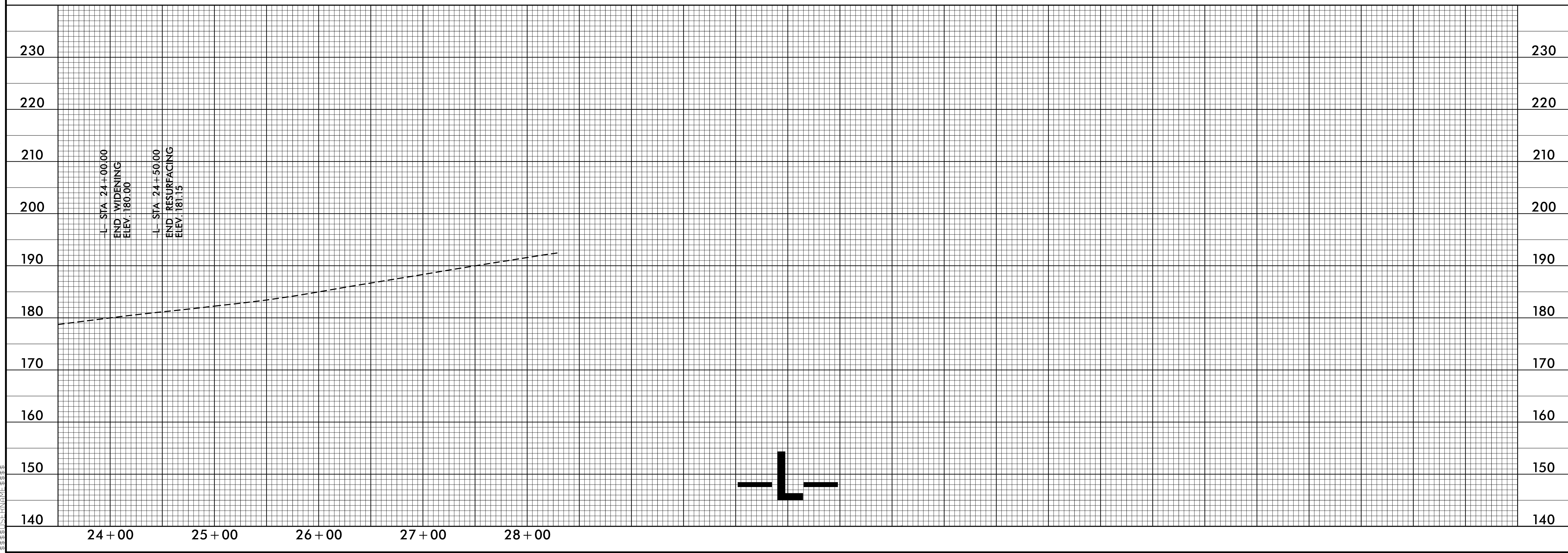
REVISIONS

23 AUG 2018 15:26 C:\Users\jrd\OneDrive\Documents\Projects\W-5601FN\Roadway\Pro\W-5601FN_Rdy_PSH_5.dgn
 8/17/99

5/28/99



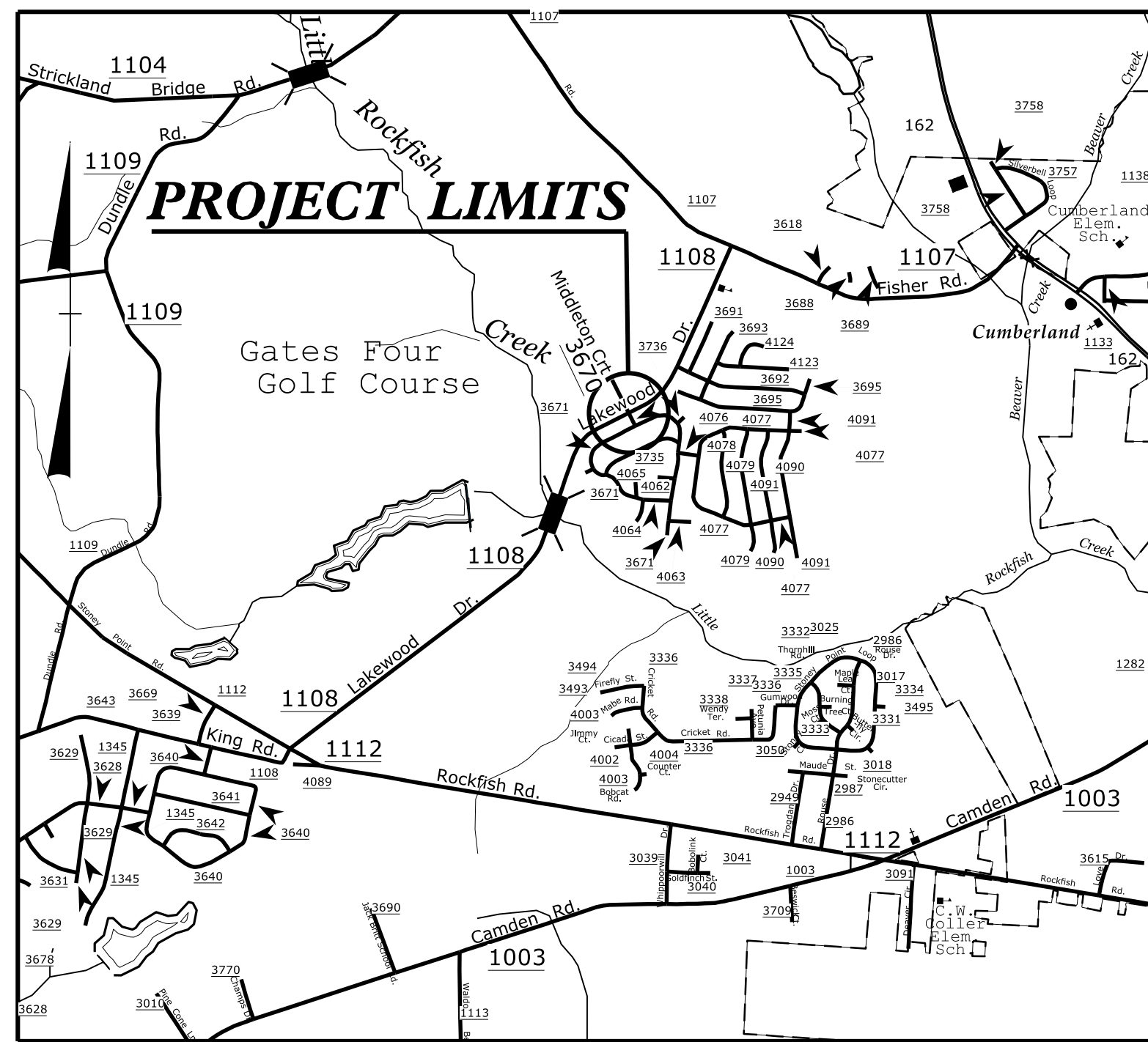
23-AUG-2018 15:26 W-5601FN SR 1108 (Lakewood) (L:\water-Middleton_Cr\Roadway\Pro\W-5601FN.pfl\L-Sh+6.dgn
 11:33:31 (SR) 1108



23-AUG-2018 15:26 H:\DDC\Projects\W-5601FN SR 1108 (Lakewood) @ (Lullwater-Middleton Cr+1)\Roadway\Proj\W-5601FN.Rdy-EC1.dgn
 \$\$\$USERNAME\$\$\$

TIP PROJECT: W-5601FN

CONTRACT:



VICINITY MAP
(N.T.S.)

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
 PLAN FOR PROPOSED
 HIGHWAY EROSION CONTROL
 CUMBERLAND COUNTY

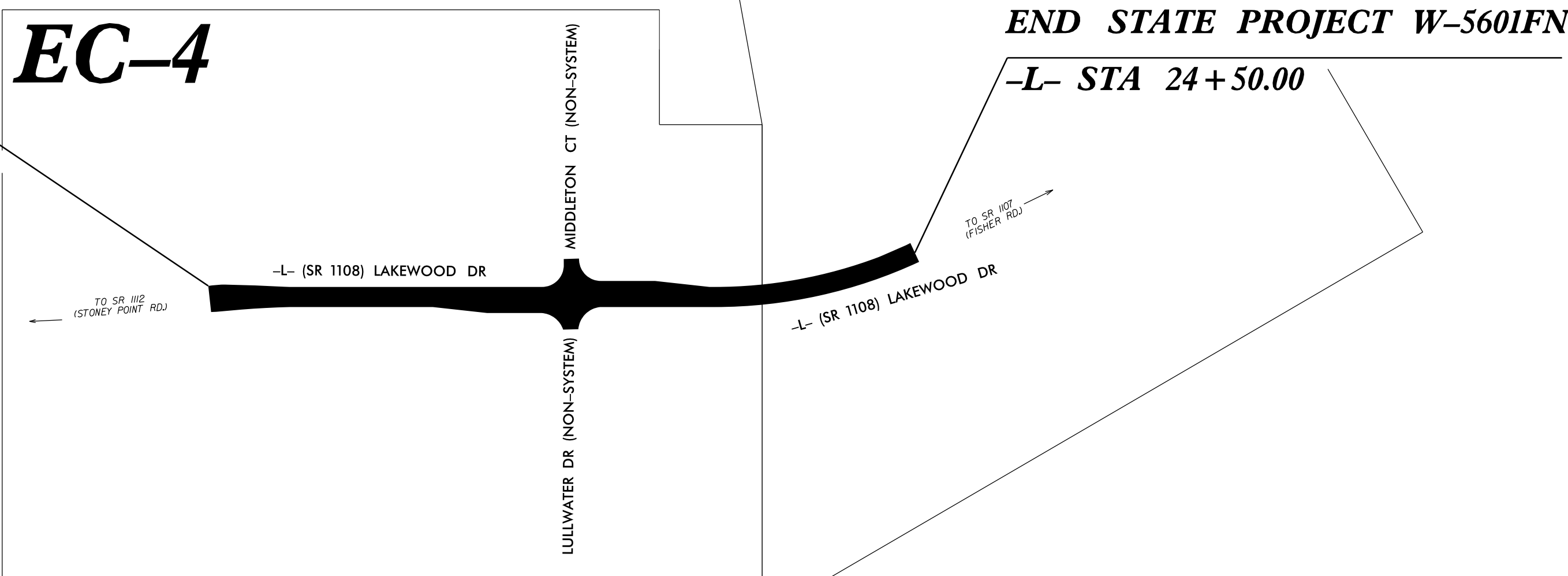
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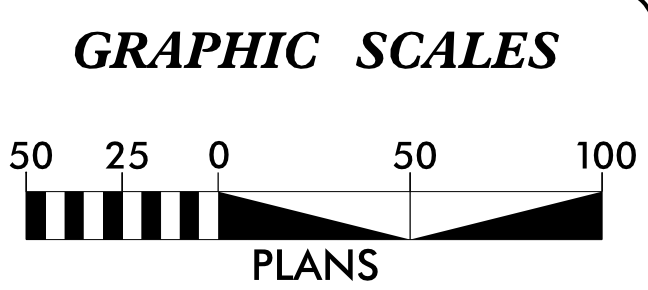
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BEGIN STATE PROJECT W-5601FN
 -L- STA 11+50.00

EC-4



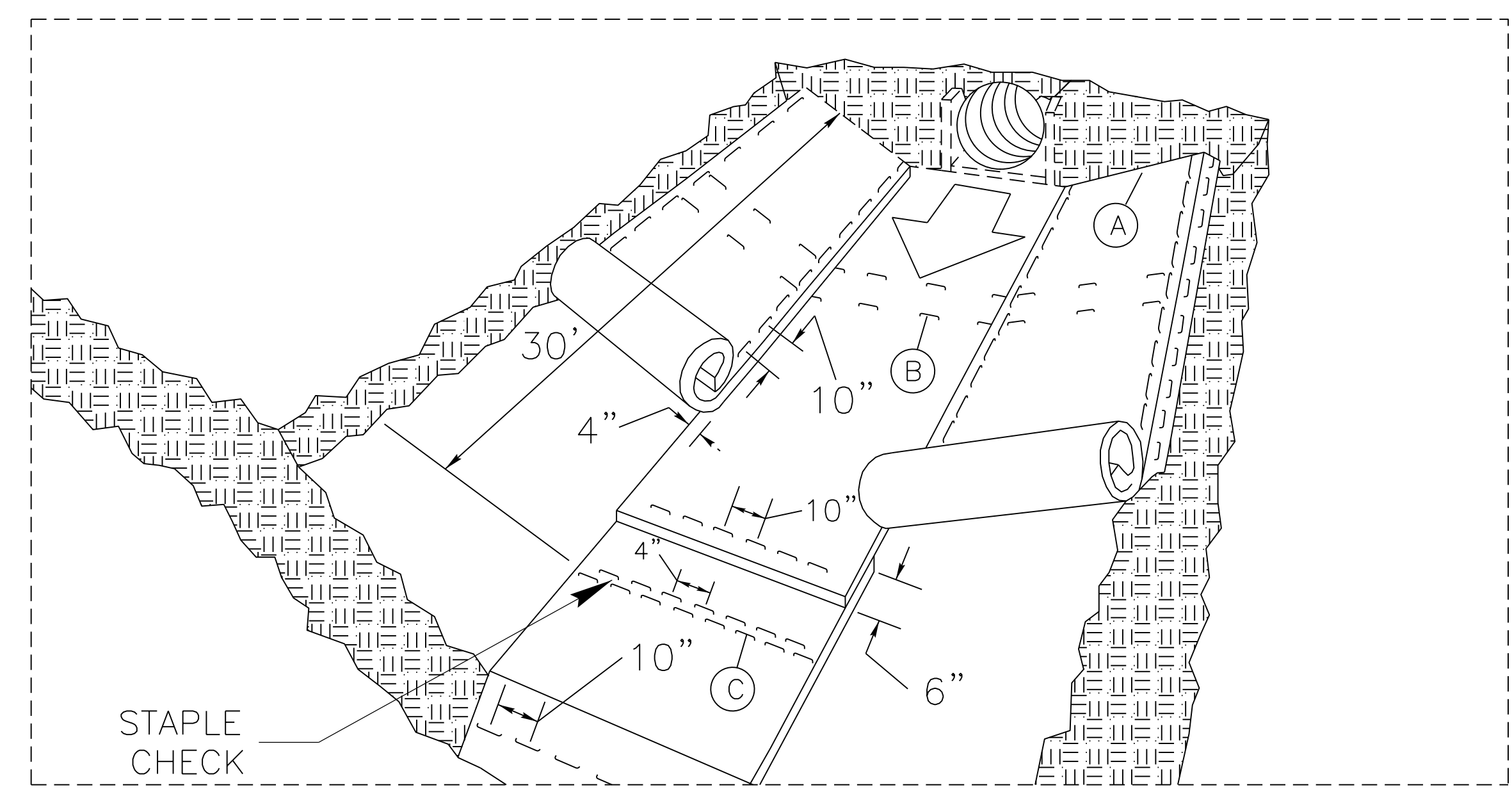
END STATE PROJECT W-5601FN
 -L- STA 24+50.00



PLANS PREPARED BY:
DIVISION OF HIGHWAYS
 431 TRANSPORTATION DRIVE, FAYETTEVILLE, NC 28301

2018 STANDARD SPECIFICATIONS

MATTING INSTALLATION DETAIL



MATTING IN DITCHES

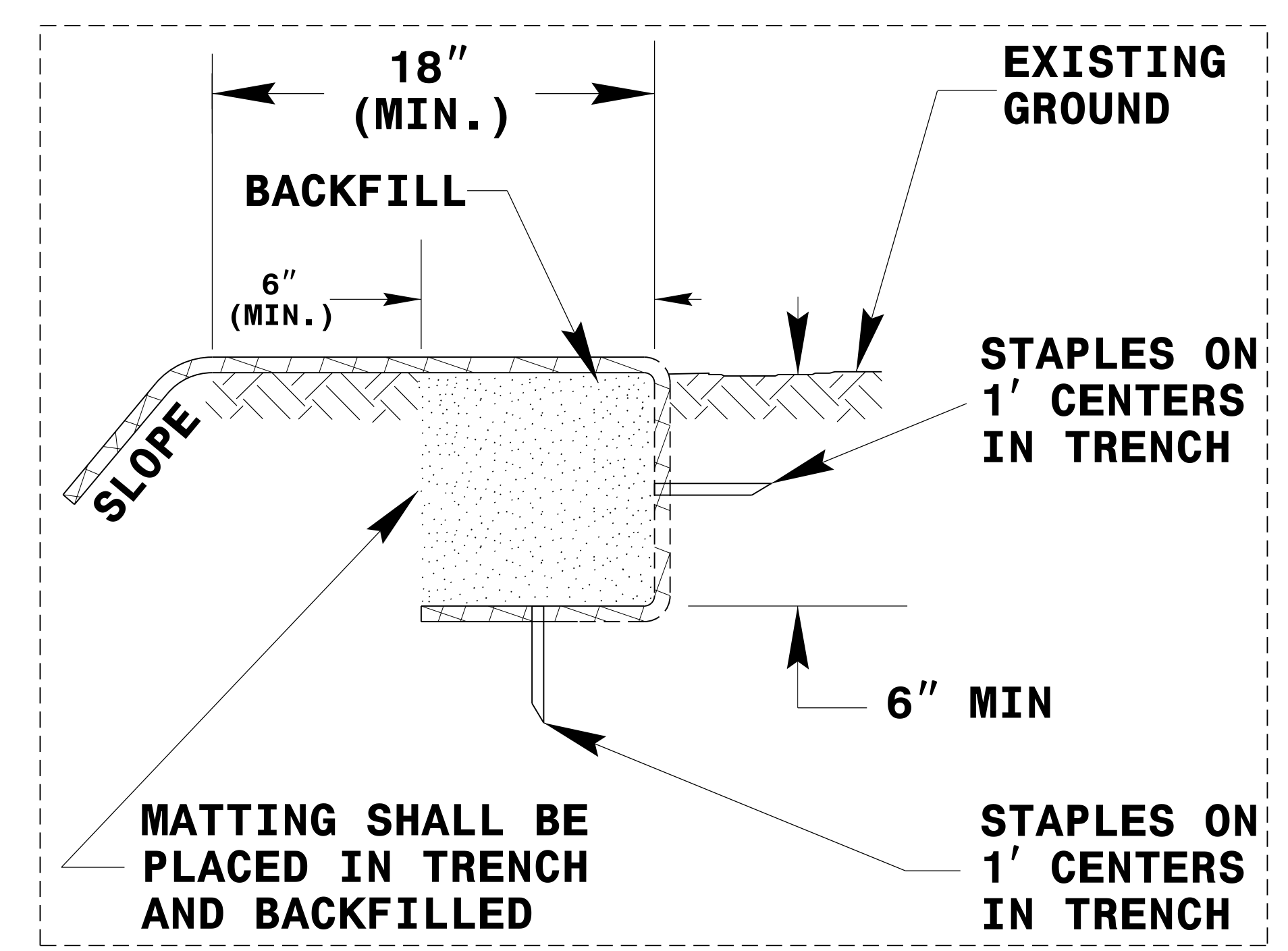
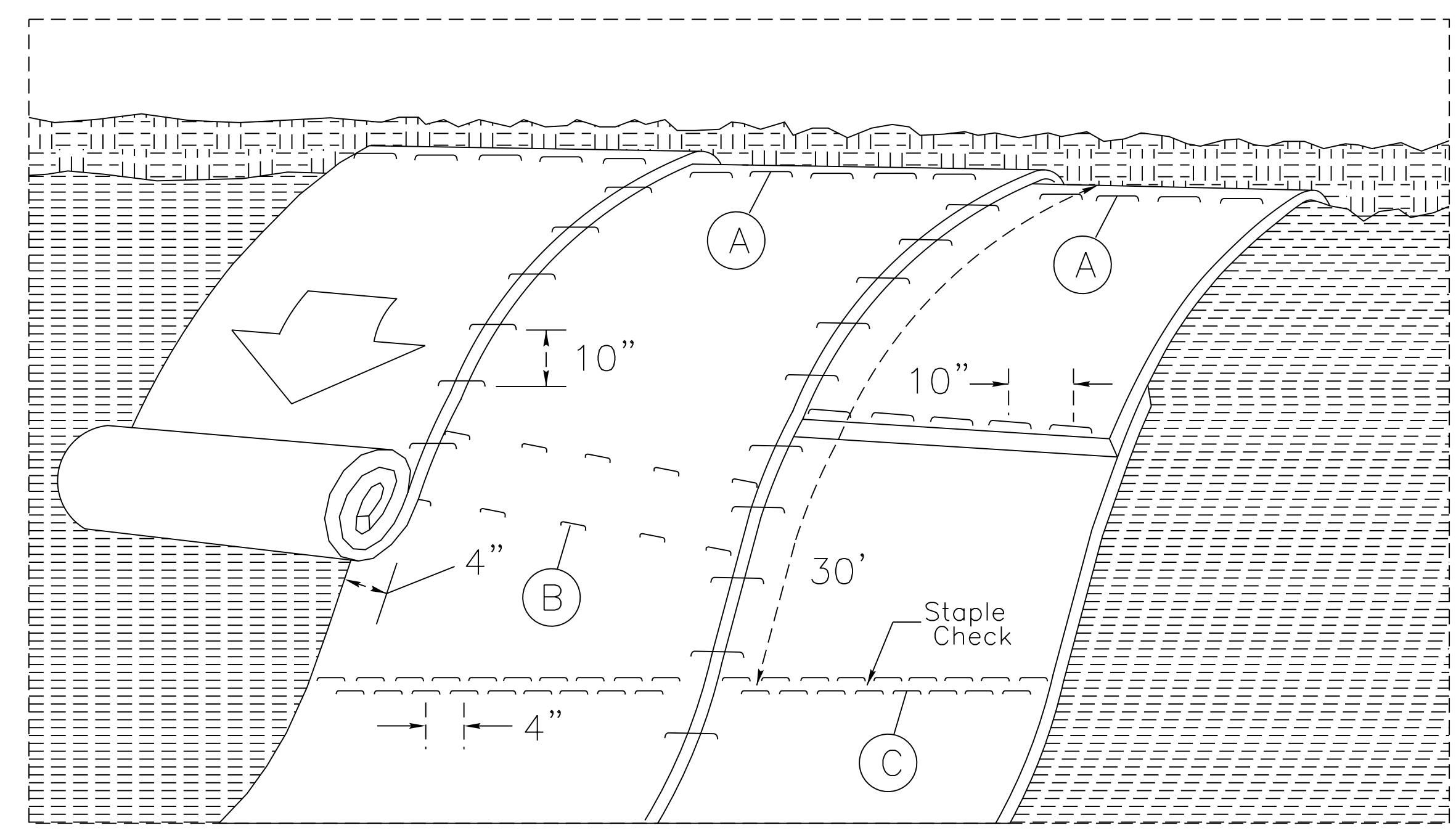


DIAGRAM (A)



MATTING ON SLOPES

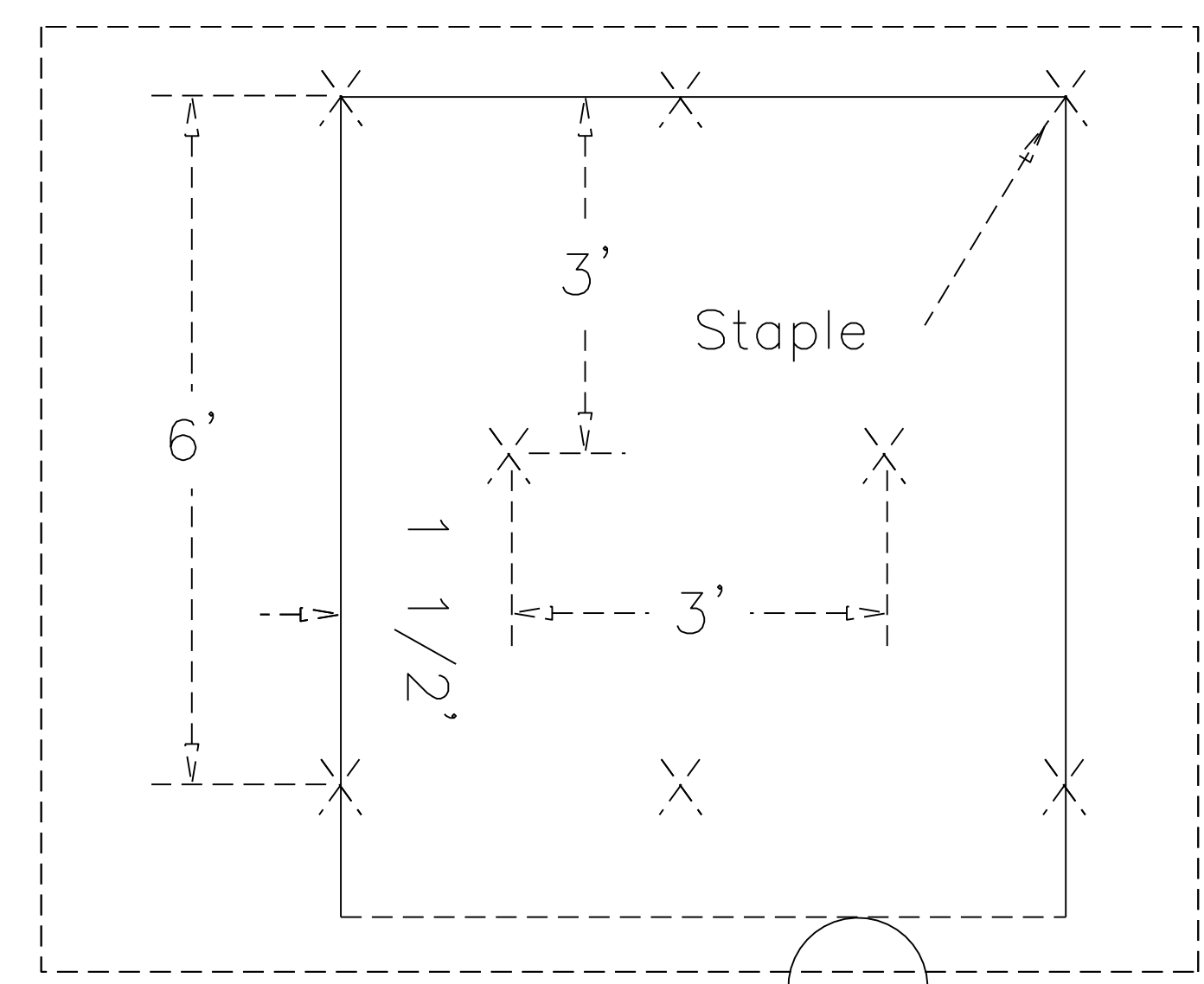


DIAGRAM B

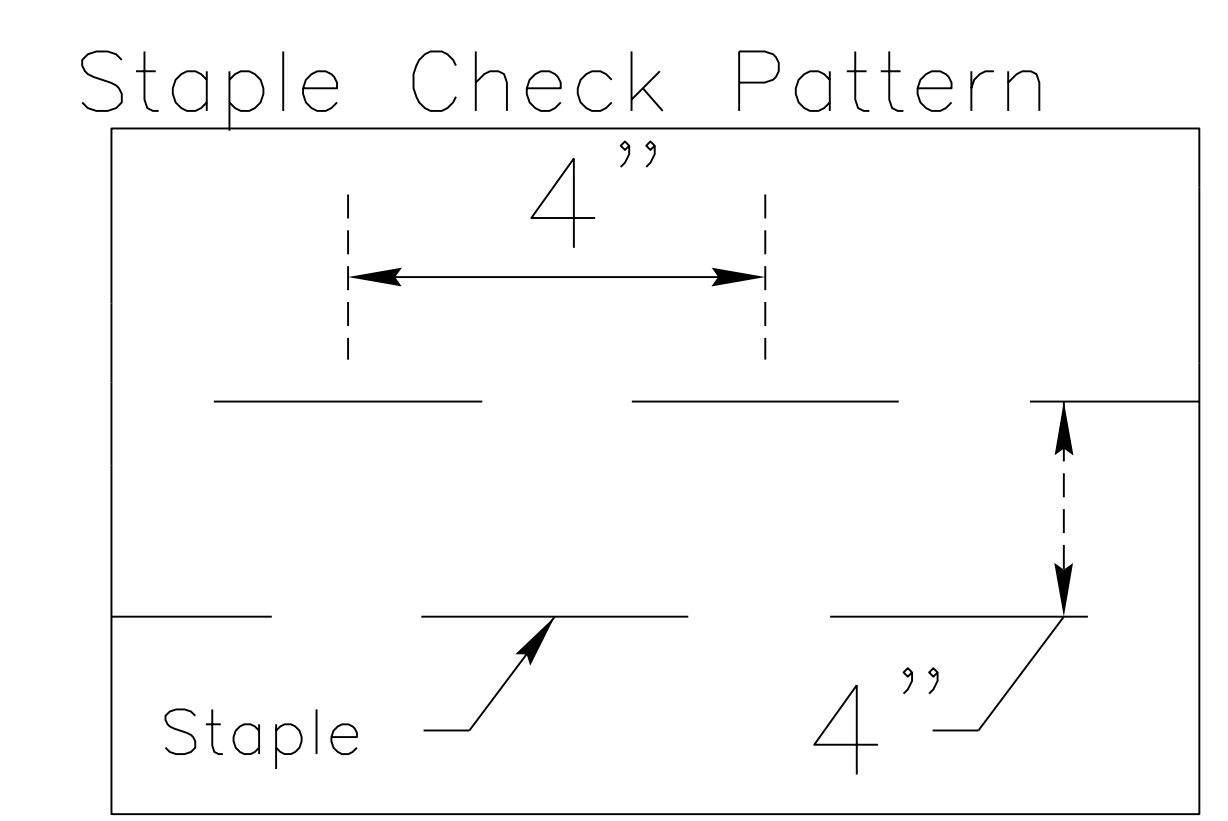


DIAGRAM (C)

NOTES:

THIS DETAIL APPLIES TO STRAW, EXCELSIOR, AND PERMANENT SOIL REINFORCEMENT MAT (PSRM) INSTALLATION.

STAPLES SHALL BE NO. 11 GAUGE STEEL WIRE FORMED INTO A "U" SHAPE WITH A MINIMUM THROAT WIDTH OF 1 INCH AND NOT LESS THAN 6 INCHES IN LENGTH.

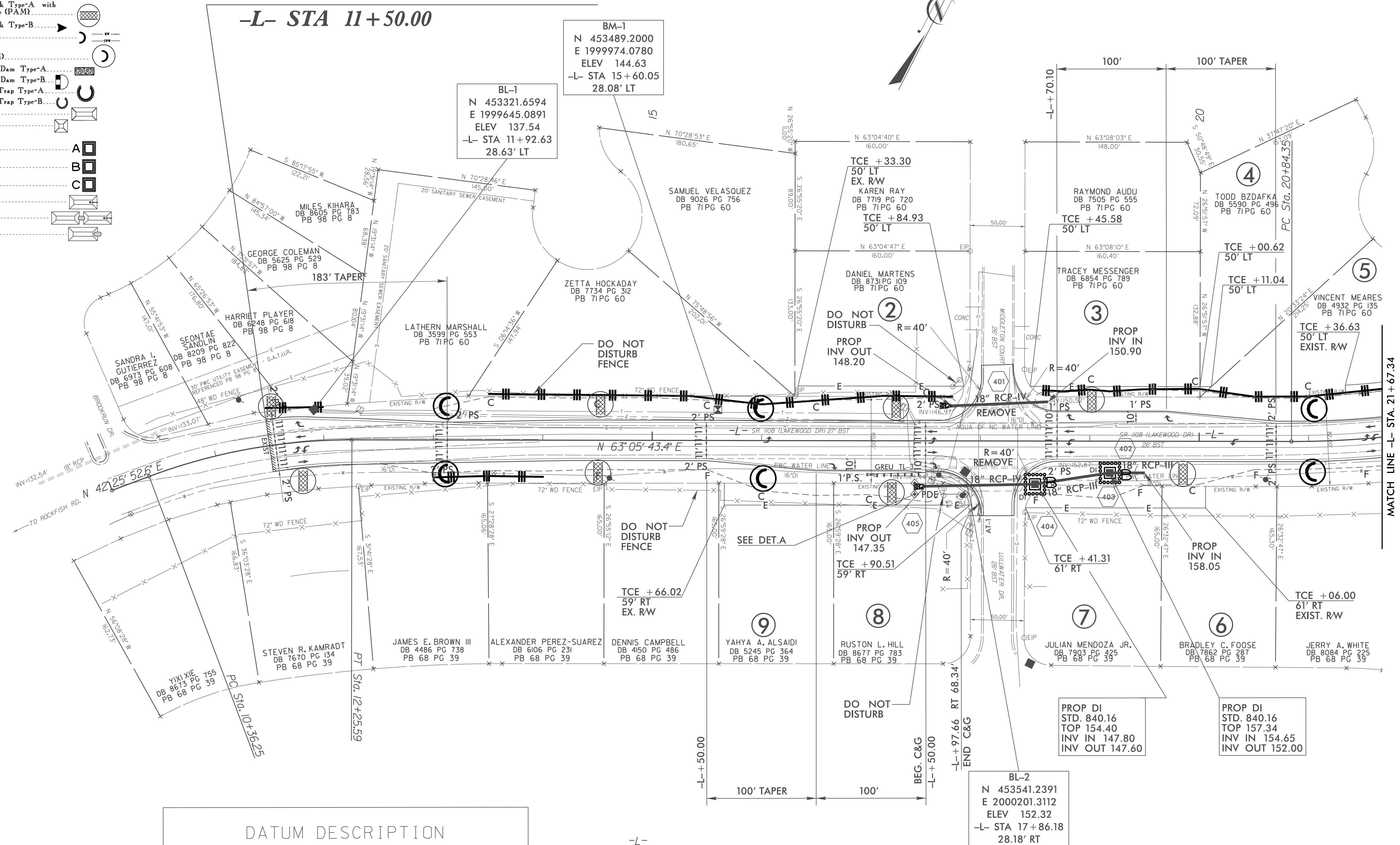
NOT TO SCALE

EROSION AND SEDIMENT CONTROL MEASURES

Sta. #	Description	Symbol
1630.05	Temporary Silt Ditch	[Symbol]
1630.05	Temporary Diversion	[Symbol]
1605.01	Temporary Silt Fence	[Symbol]
1606.01	Special Sediment Control Fence	[Symbol]
1622.01	Temporary Berms and Slope Drains	[Symbol]
1630.02	Silt Basin Type B	[Symbol]
1635.01	Temporary Rock Silt Check Type-A	[Symbol]
1635.02	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	[Symbol]
1635.02	Temporary Rock Silt Check Type-B	[Symbol]
	Wattle / Coir Fiber Wattle	[Symbol]
	Wattle / Coir Fiber Wattle with Polyacrylamide (PAM)	[Symbol]
1634.01	Temporary Rock Sediment Dam Type-A	[Symbol]
1634.02	Temporary Rock Sediment Dam Type-B	[Symbol]
1635.01	Rock Pipe Inlet Sediment Trap Type-A	[Symbol]
1635.02	Rock Pipe Inlet Sediment Trap Type-B	[Symbol]
1630.04	Stilling Basin	[Symbol]
1630.06	Special Stilling Basin	[Symbol]
	Rock Inlet Sediment Trap:	
1632.01	Type A	[Symbol]
1632.02	Type B	[Symbol]
1632.05	Type C	[Symbol]
	Skimmer Basin	[Symbol]
	Tiered Skimmer Basin	[Symbol]
	Infiltration Basin	[Symbol]

BEGIN STATE PROJECT W-5601FN

-L- STA 11+50.00



BM-1
N 453489.2000
E 1999974.0780
ELEV 144.63
-L- STA 15+60.05
28.08' LT

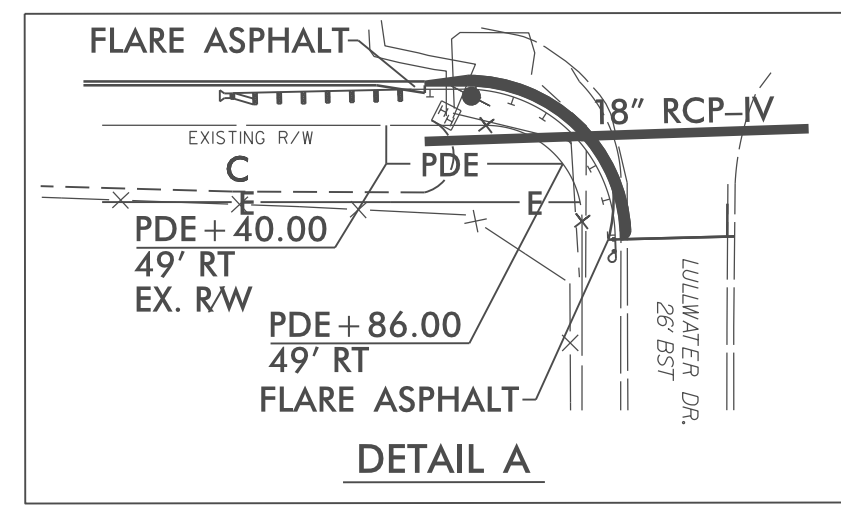
BL-1
N 453321.6594
E 1999645.0891
ELEV 137.54
-L- STA 11+92.63
28.63' LT

BL-2
N 453541.2391
E 2000201.3112
ELEV 152.32
-L- STA 17+86.18
28.18' RT

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "W5601FN-2" WITH NAD83/NA2011 STATE PLANE GRID COORDINATES OF NORTHING: 453007.285 EASTING: 1999377.898 THE AVERAGE COMBINED FACTOR USED ON THIS PROJECT GROUND TO GRID IS 0.9998804343
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "W5601FN-2" TO "BL-1" IS
N40°21'41.99"E 412.58' (ft)
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

-L-
CURVE 1
Pi Sta 11+31.96
Δ = 20° 39' 50.8" (RT)
D = 10° 54' 48.5"
L = 189.34'
T = 95.71'
R = 525.00'

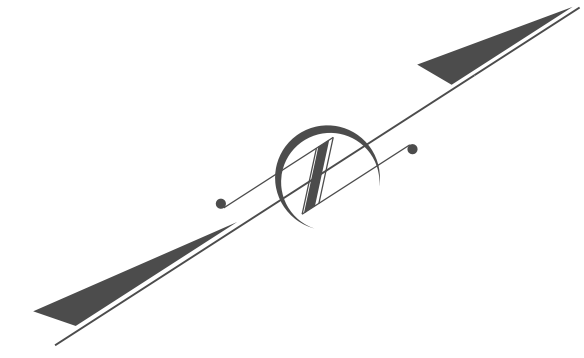


REVISIONS

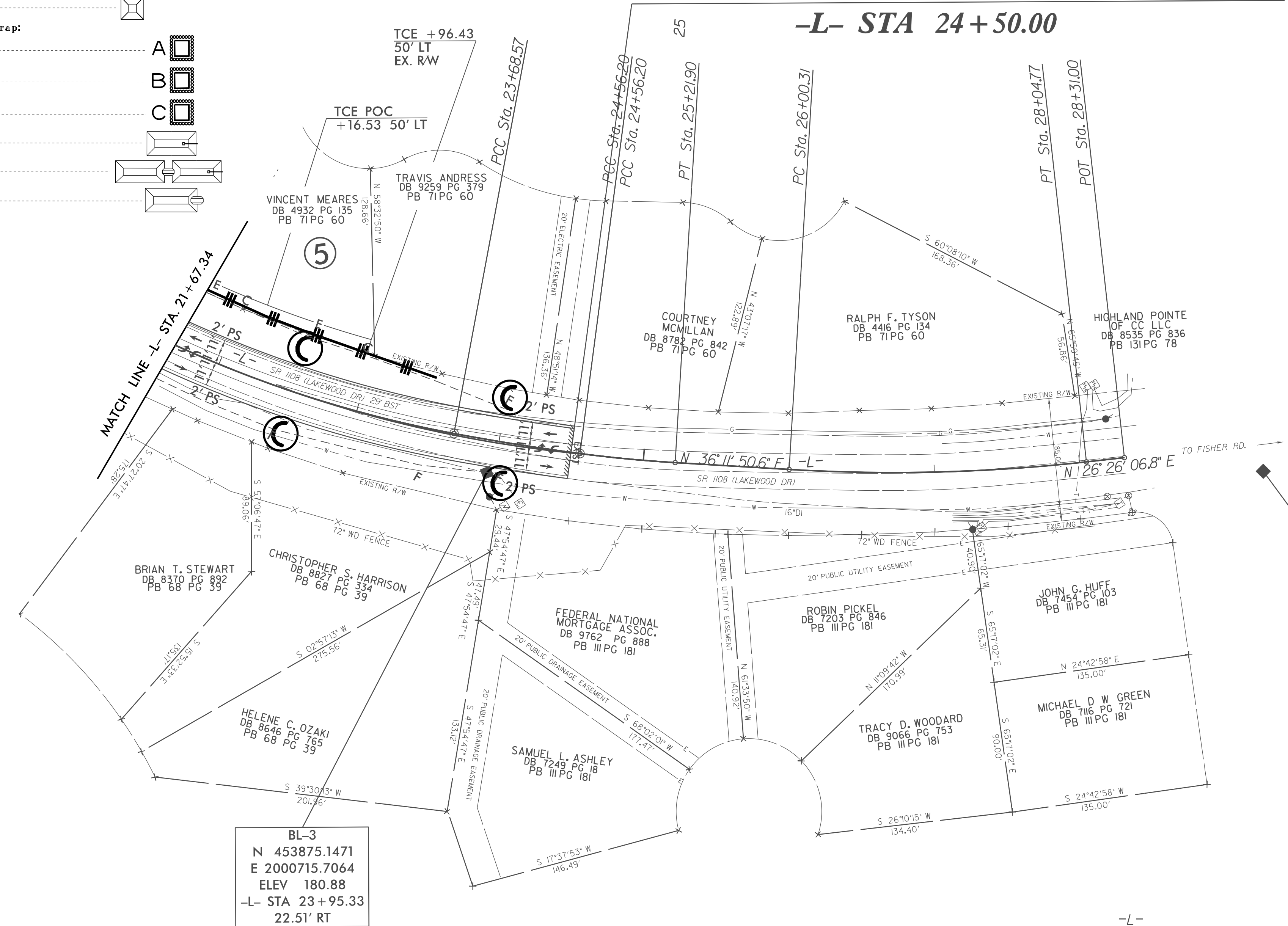
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EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TSD
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	III III III
1606.01	Special Sediment Control Fence	△△△△△△△△
1622.01	Temporary Berms and Slope Drains	— T —
1630.02	Silt Basin Type B	▨
1633.01	Temporary Rock Silt Check Type-A	▨
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	▨
1633.02	Temporary Rock Silt Check Type-B	▨
	Wattle / Coir Fiber Wattle	— W —
	Wattle / Coir Fiber Wattle with Polyacrylamide (PAM)	— W —
1634.01	Temporary Rock Sediment Dam Type-A	▨
1634.02	Temporary Rock Sediment Dam Type-B	▨
1635.01	Rock Pipe Inlet Sediment Trap Type-A	⊕
1635.02	Rock Pipe Inlet Sediment Trap Type-B	⊕
1630.04	Stilling Basin	▭
1630.06	Special Stilling Basin	▭
	Rock Inlet Sediment Trap:	
1632.01	Type A	A
1632.02	Type B	B
1632.03	Type C	C
	Skimmer Basin	▭
	Tiered Skimmer Basin	▭
	Infiltration Basin	▭



**END STATE PROJECT W-5601FN
-L- STA 24+50.00**



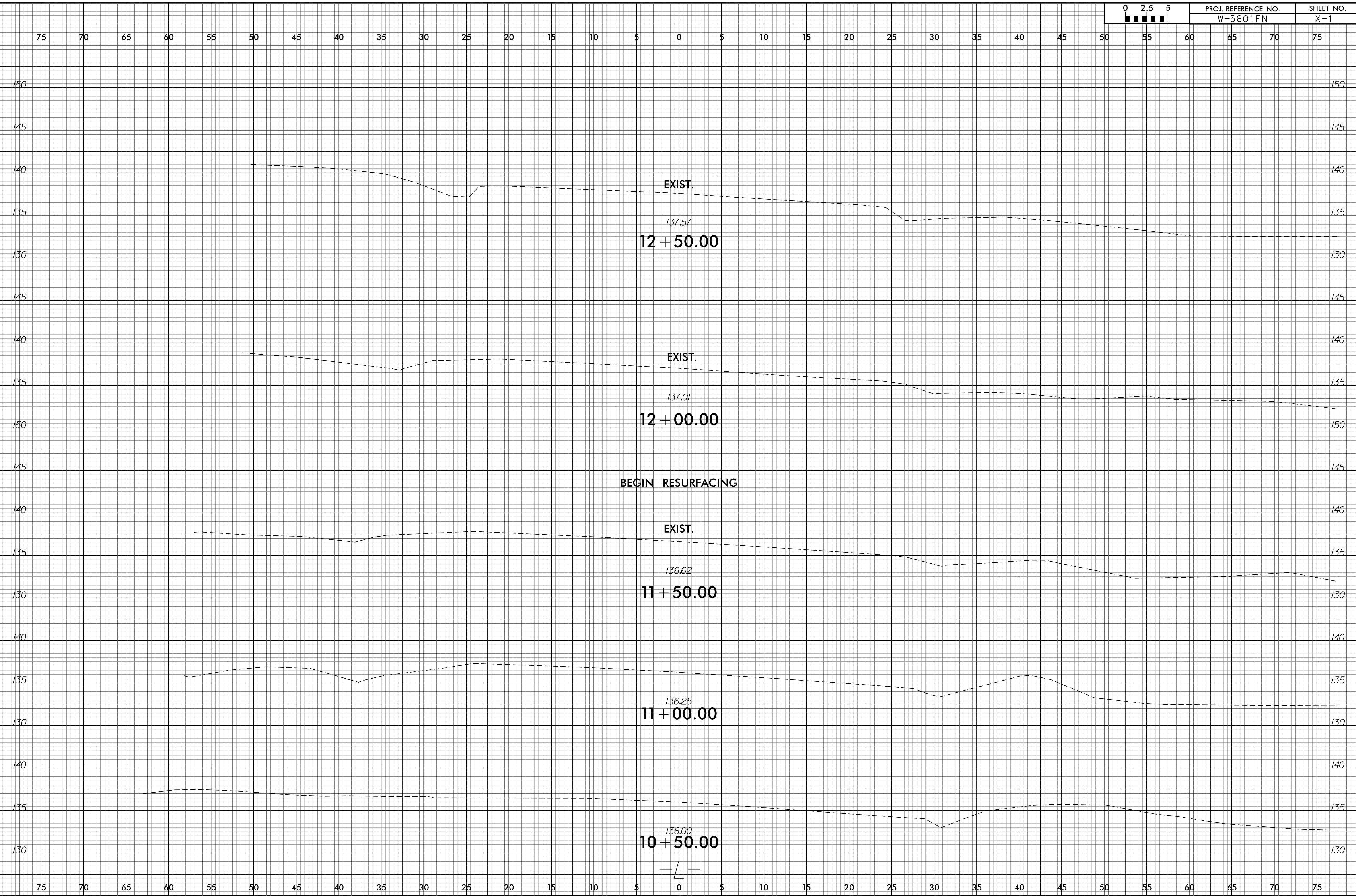
BL-3
N 453875.1471
E 2000715.7064
ELEV 180.88
-L- STA 23+95.33
22.51' RT

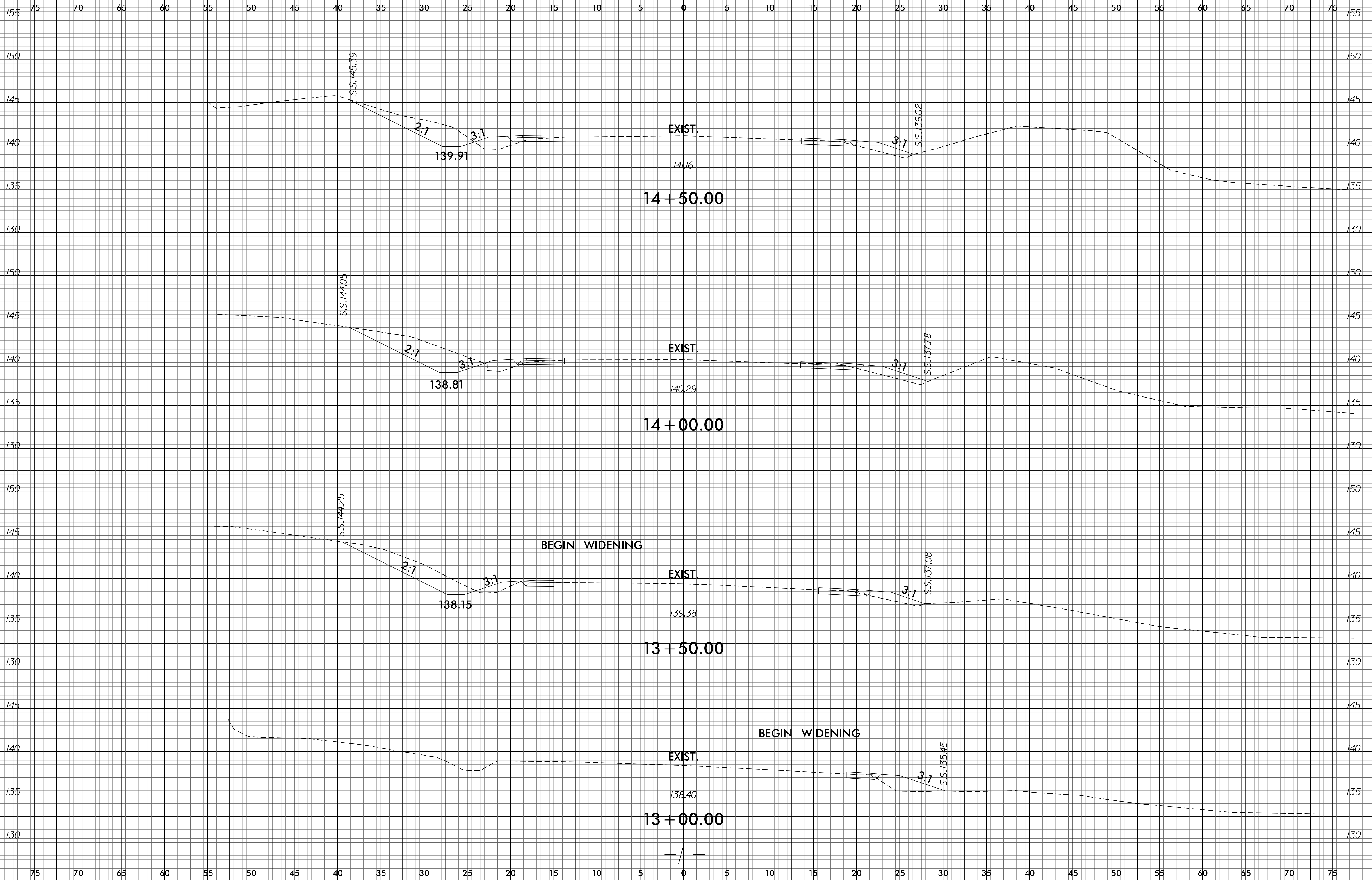
BL-4
N 454323.9651
E 2001003.5284
ELEV 194.86
-L- STA 28+31.00
19.81' RT

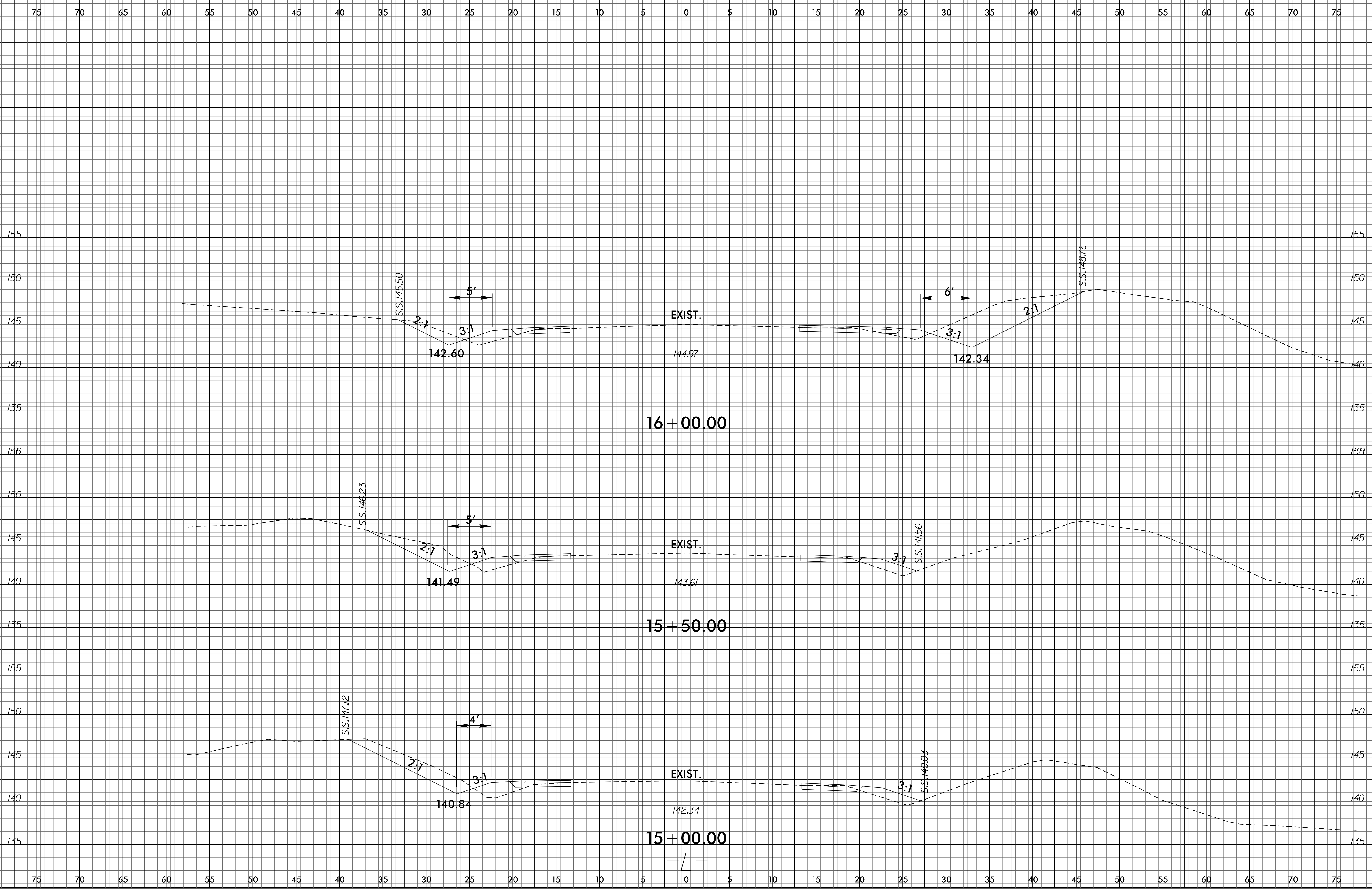
CURVE 2	CURVE 3	CURVE 4	CURVE 5
PI Sta 22+27.88	PI Sta 24+12.40	PI Sta 24+89.07	PI Sta 27+02.79
Δ = 19° 44' 20.3" (LT)	Δ = 3° 05' 23.2" (LT)	Δ = 4° 04' 09.3" (LT)	Δ = 9° 45' 43.8" (LT)
D = 6' 56" 41.8"	D = 3' 31' 33.2"	D = 6' 11' 38.9"	D = 4' 46' 28.7"
L = 284.22'	L = 87.63'	L = 65.69'	L = 204.46'
T = 143.53'	T = 43.83'	T = 32.86'	T = 102.48'
R = 825.00'	R = 1,625.00'	R = 925.00'	R = 1,200.00'

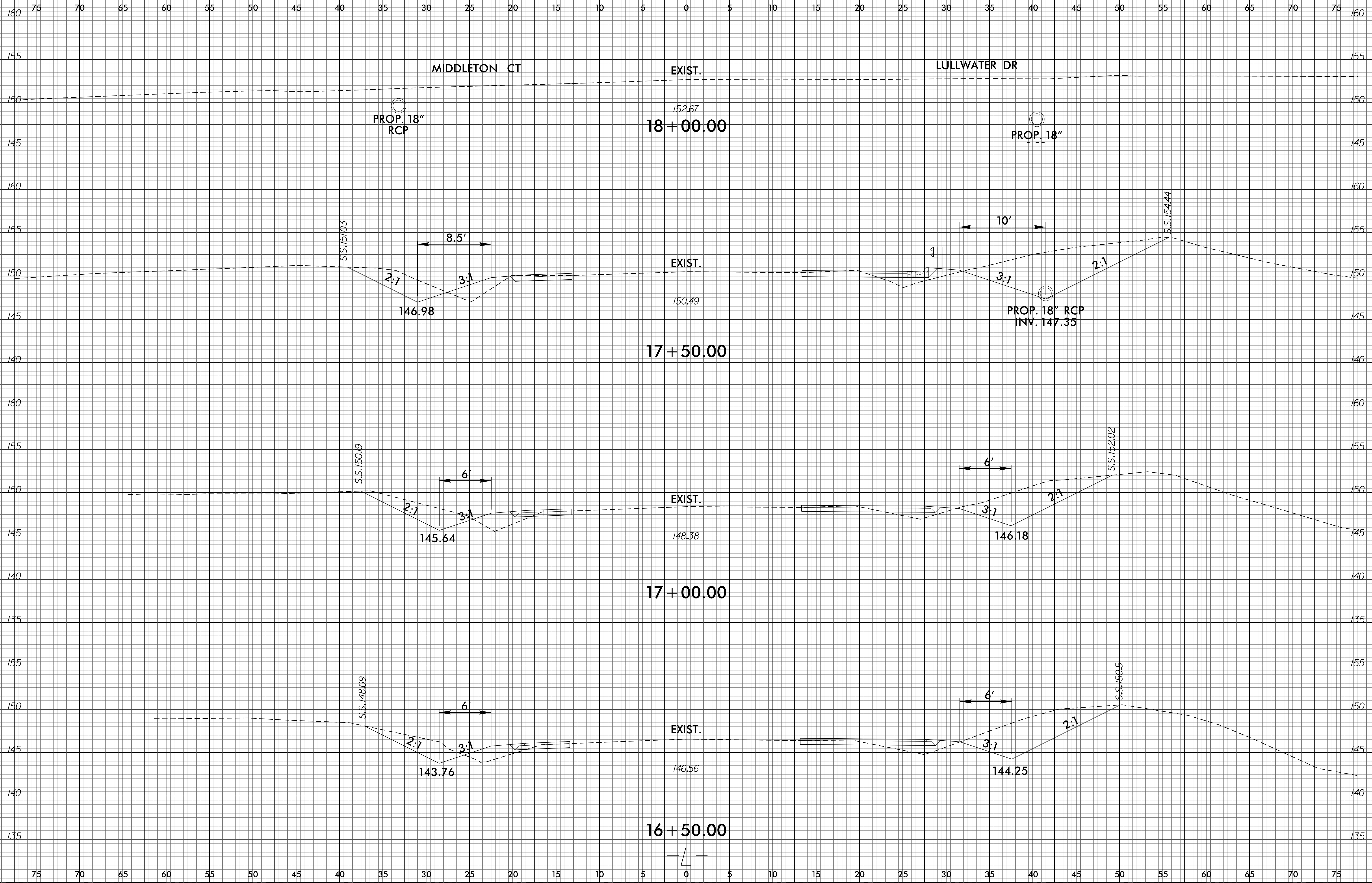
REVISIONS

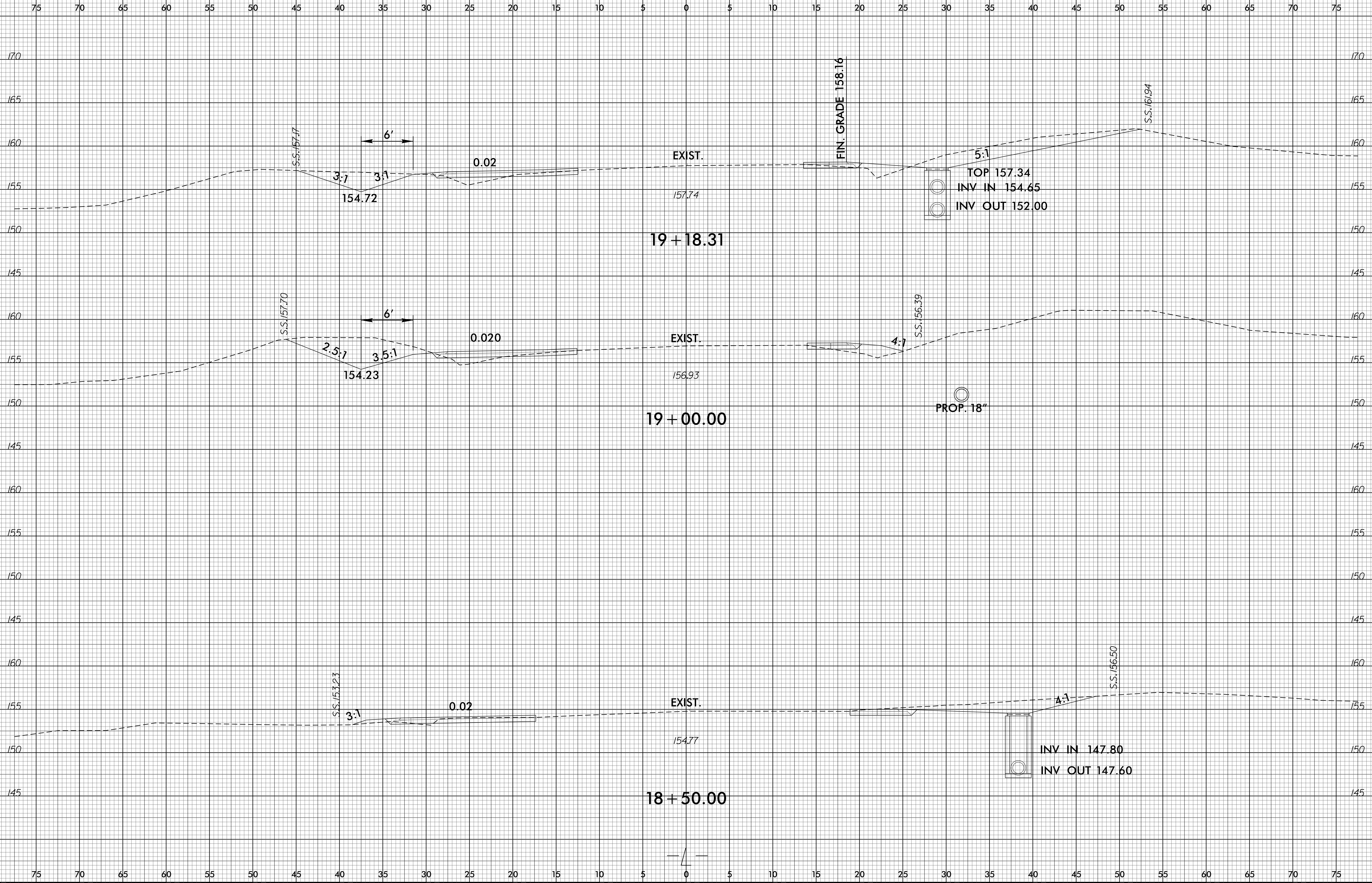
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6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
■ ■ ■ ■ ■	W-5601FN	X-6

