

27-JAN-2022 16:05 S:\DDC\Projects\W-5706J NC 410 at Old Lumberton-Silver Spoon-Columbus\Roadway\proj\W-5706J.Rdy_Tsh.dgn
 \$\$\$USERNAME\$\$\$

CONTRACT: DF00301 **TIP PROJECT: W-5706J**

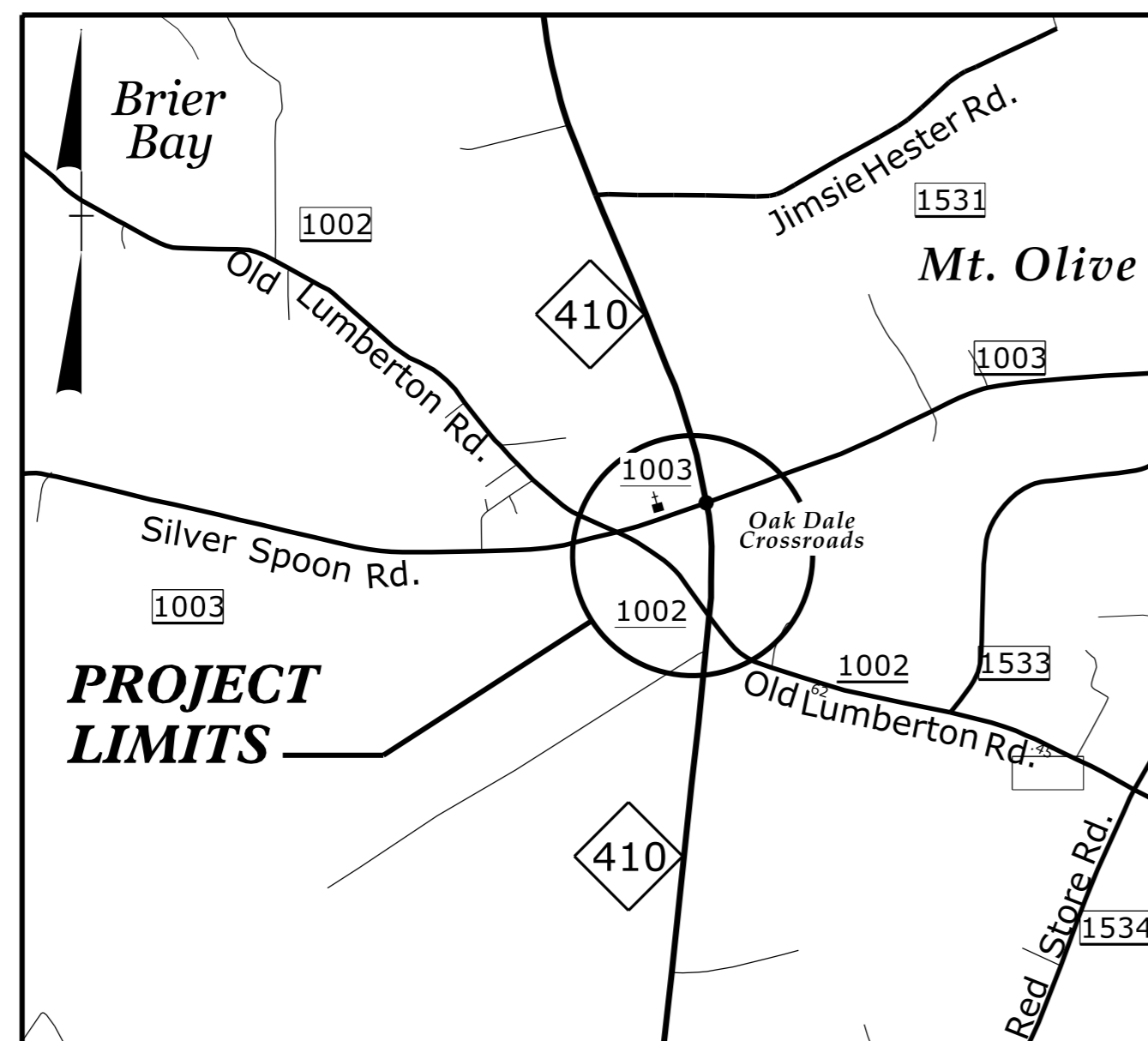
STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

COLUMBUS COUNTY

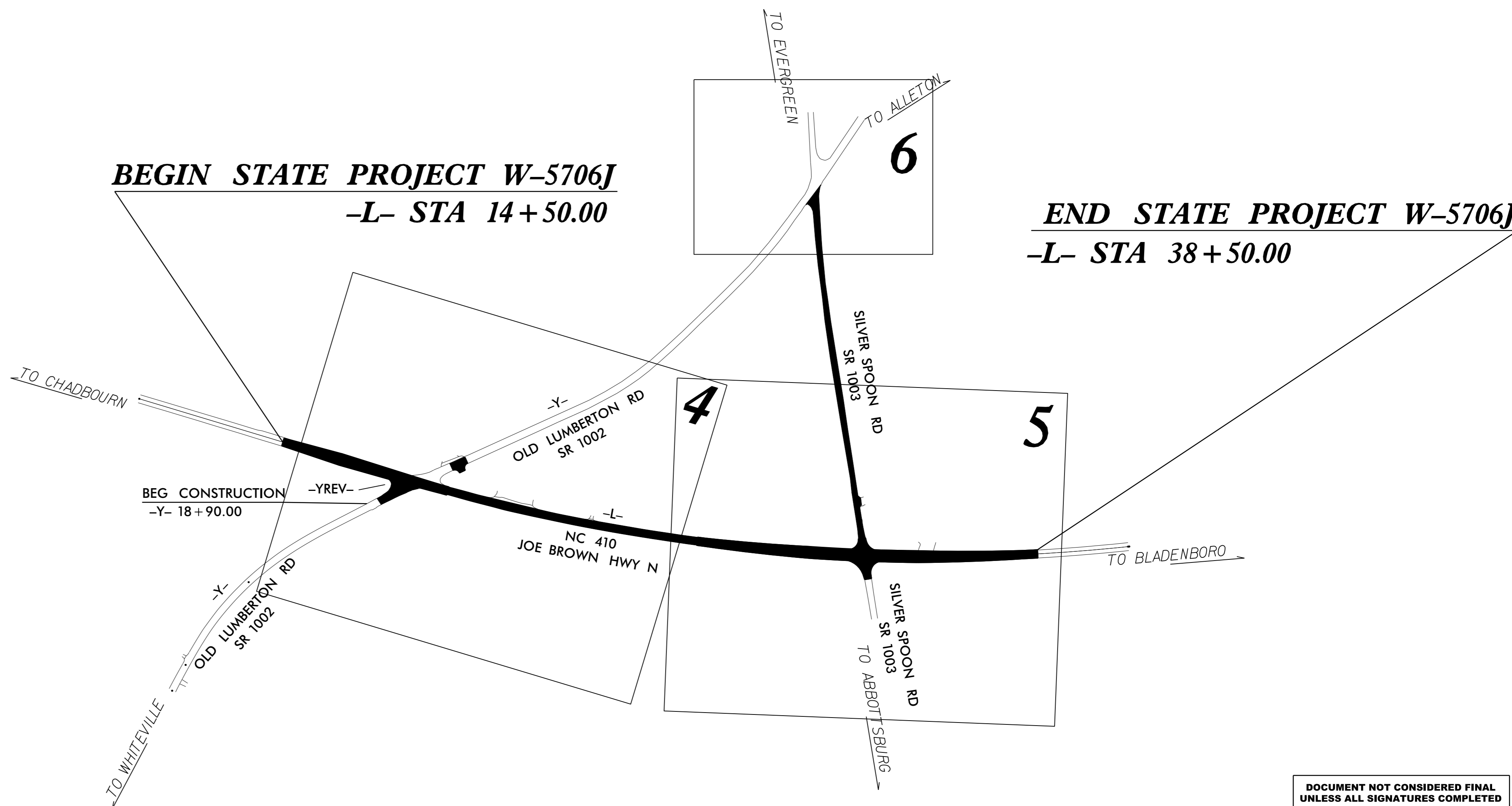
**LOCATION: NC 410 (JOE BROWN HIGHWAY) AT SR 1002 (OLD LUMBERTON RD)
 AND SR 1003 (SILVER SPOON RD); AND SR 1002 AT SR 1003**

**TYPE OF WORK: WIDENING, GRADING, PAVING, SIGNING
 AND PAVEMENT MARKINGS**

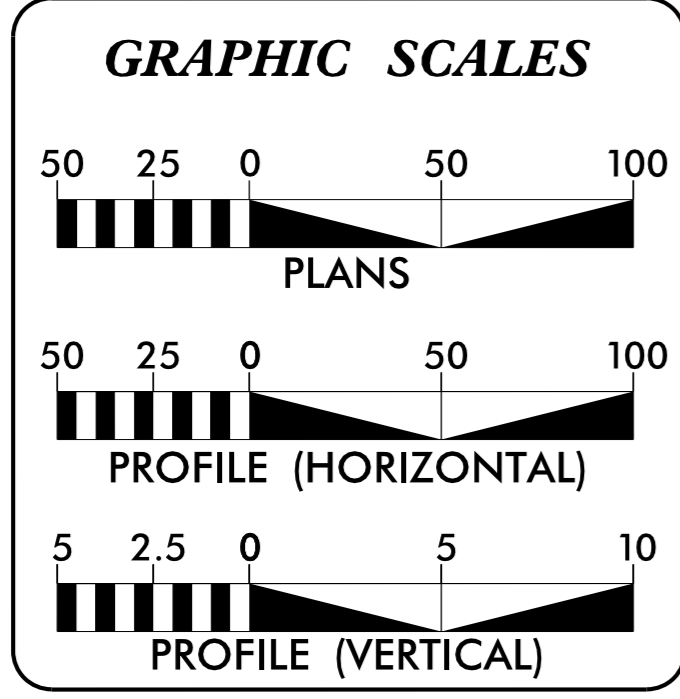
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W-5706J	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
44852.1.10	HSIP-0410(004)	P.E.	
44852.2.10	HSIP-0410(004)	UTILITIES/ROW	
44852.3.10	HSIP-0410(004)	CONSTRUCTION	



VICINITY MAP
N.T.S.



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



DESIGN DATA

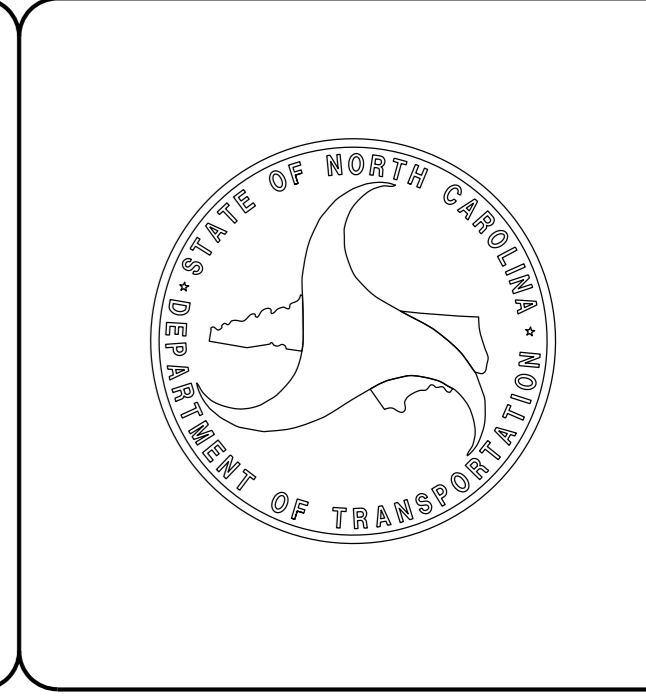
ADT 2250 = 2022
ADT 4100 = 2042

PROJECT LENGTH

TOTAL LENGTH OF STATE PROJECT W-5706J = 0.455 MILES

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

2018 STANDARD SPECIFICATIONS RIGHT OF WAY DATE: MARCH 30, 2020 LETTING DATE: MARCH 2, 2022	JOHN GAUTHIER PROJECT ENGINEER NEIL BUTLER 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	○
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	MLB
Proposed Wetland Boundary	MLB
Existing Endangered Animal Boundary	EAB
Existing Endangered Plant Boundary	EPB
Existing Historic Property Boundary	HPB
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	○
Well	○
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	← FLOW
False Sump	▽

RAILROADS:

Standard Gauge	-----
RR Signal Milepost	CSX TRANSPORTATION 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 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	T T T
Proposed Guardrail	T T T
Existing Cable Guiderail	□ □ □
Proposed Cable Guiderail	□ □ □
Equality Symbol	⊕
Pavement Removal	⊗

VEGETATION:

Single Tree	☼
Single Shrub	☼

Hedge	-----
Woods Line	-----
Orchard	☼ ☼ ☼
Vineyard	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.*)	-----
U/G Power Line LOS C (S.U.E.*)	-----
U/G Power Line LOS D (S.U.E.*)	-----

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.*)	-----
U/G Telephone Cable LOS C (S.U.E.*)	-----
U/G Telephone Cable LOS D (S.U.E.*)	-----
U/G Telephone Conduit LOS B (S.U.E.*)	-----
U/G Telephone Conduit LOS C (S.U.E.*)	-----
U/G Telephone Conduit LOS D (S.U.E.*)	-----
U/G Fiber Optics Cable LOS B (S.U.E.*)	-----
U/G Fiber Optics Cable LOS C (S.U.E.*)	-----
U/G Fiber Optics Cable LOS D (S.U.E.*)	-----

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.*)	-----
U/G TV Cable LOS C (S.U.E.*)	-----
U/G TV Cable LOS D (S.U.E.*)	-----
U/G Fiber Optic Cable LOS B (S.U.E.*)	-----
U/G Fiber Optic Cable LOS C (S.U.E.*)	-----
U/G Fiber Optic Cable LOS D (S.U.E.*)	-----

GAS:

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

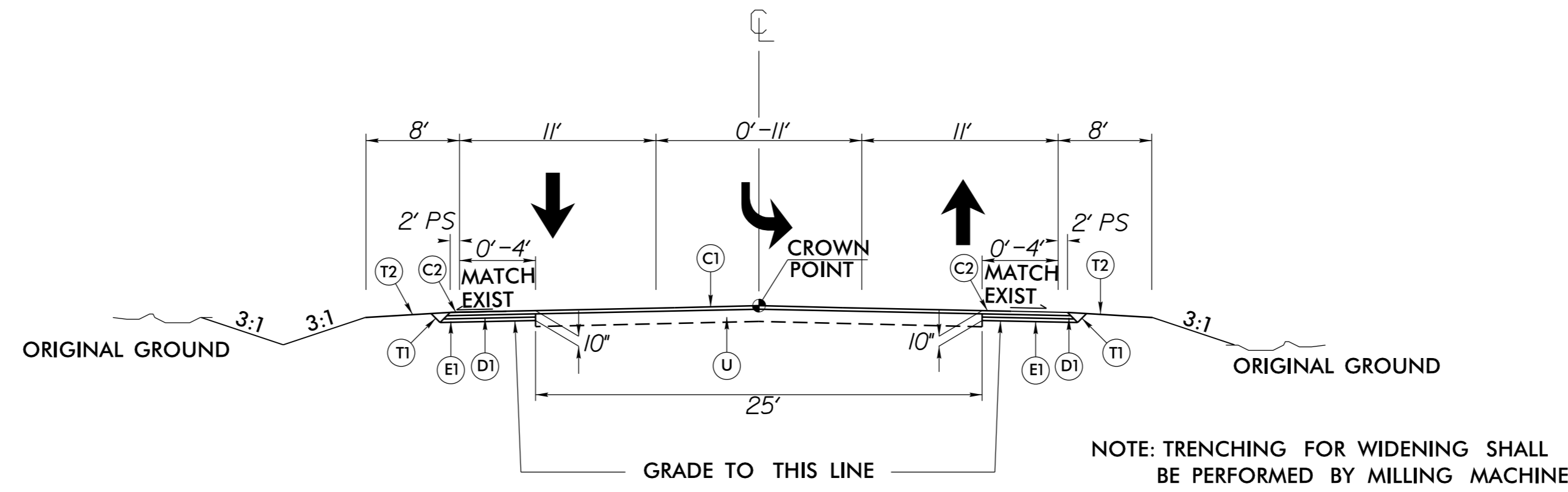
SANITARY SEWER:

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.*)	-----
SS Forced Main Line LOS C (S.U.E.*)	-----
SS Forced Main Line LOS D (S.U.E.*)	-----

MISCELLANEOUS:

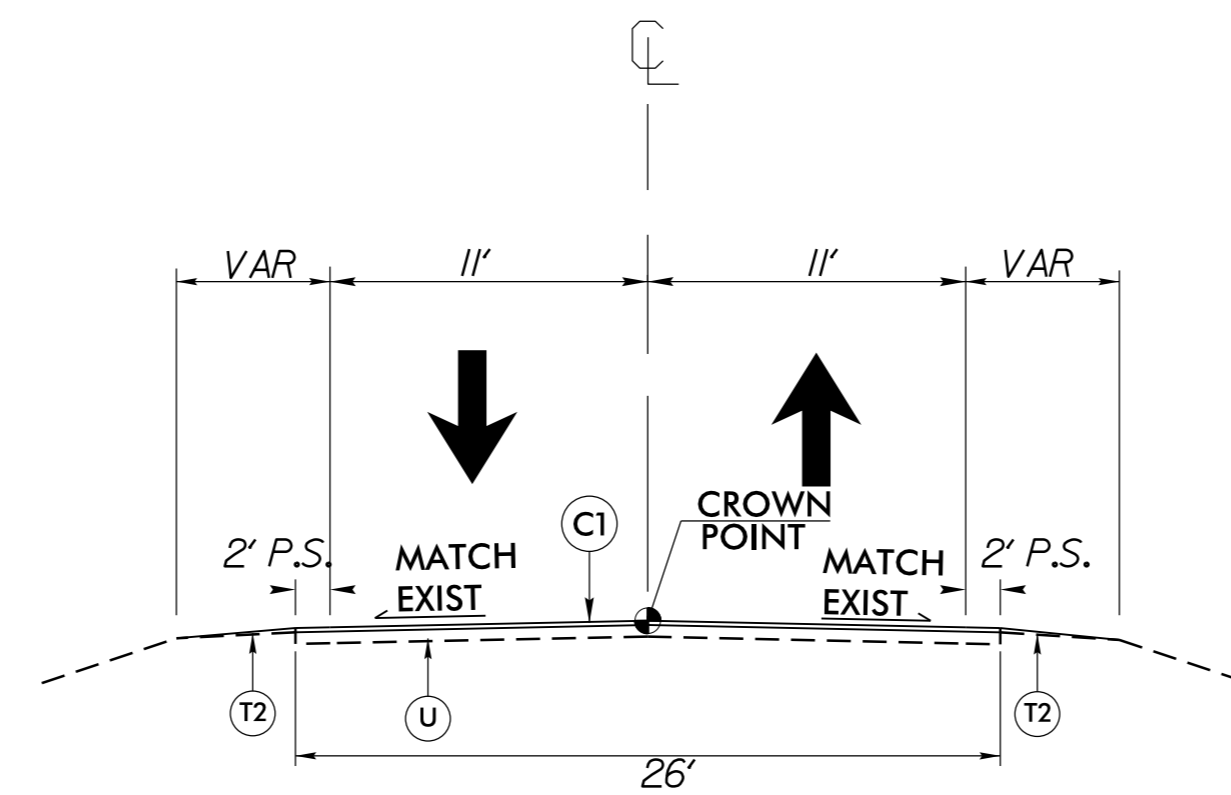
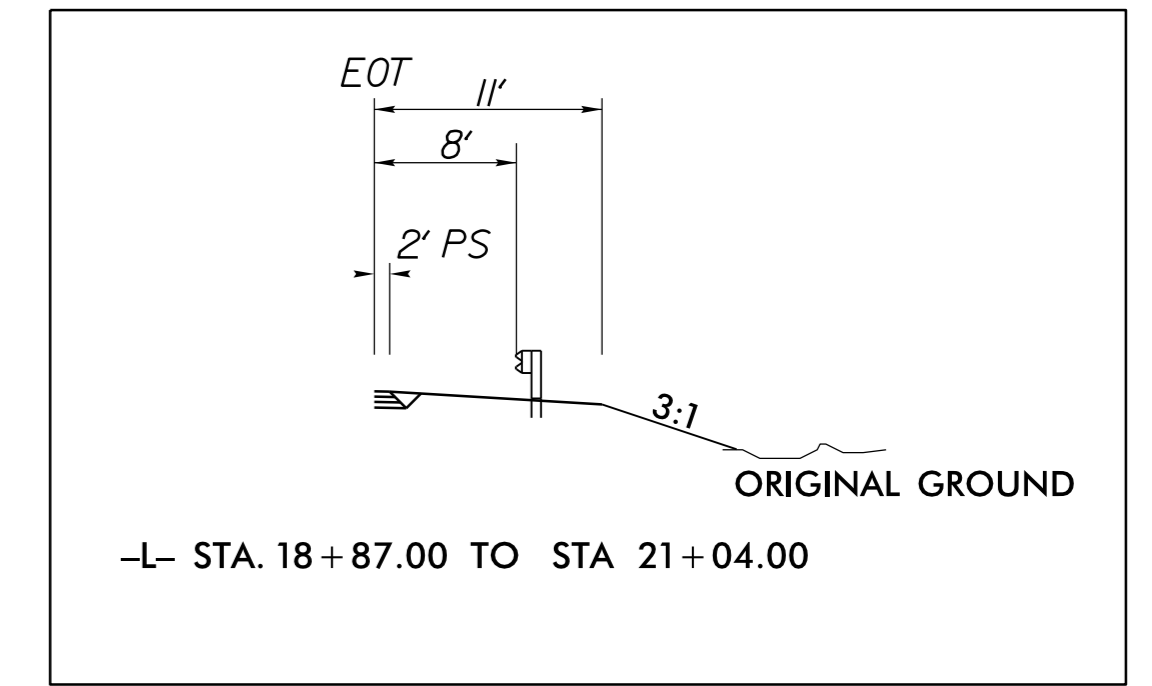
Utility Pole	●
Utility Pole with Base	⊠
Utility Located Object	○
Utility Traffic Signal Box	⊠
Utility Unknown U/G Line LOS B (S.U.E.*)	-----
U/G Tank; Water, Gas, Oil	□
Underground Storage Tank, Approx. Loc.	UST
A/G Tank; Water, Gas, Oil	□
Geoenvironmental Boring	⊕
U/G Test Hole LOS A (S.U.E.*)	⊕
Abandoned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

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 336 LBS. PER SQ. YD.
C3	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT TO EXCEED 2" IN DEPTH.
D1	PROP. APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
D2	PROP. VAR DEPTH ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 114 LBS PER SQ. YD. PER 1" DEPTH TO BE PLACED IN LAYERS NOT LESS THAN 2 1/2" OR GREATER THAN 4" IN DEPTH.
E1	PROP. APPROX. 3" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
T1	EARTH MATERIAL
T2	AGGREGATE SHOULDER BORROW (2' WIDE)
U	EXISTING PAVEMENT



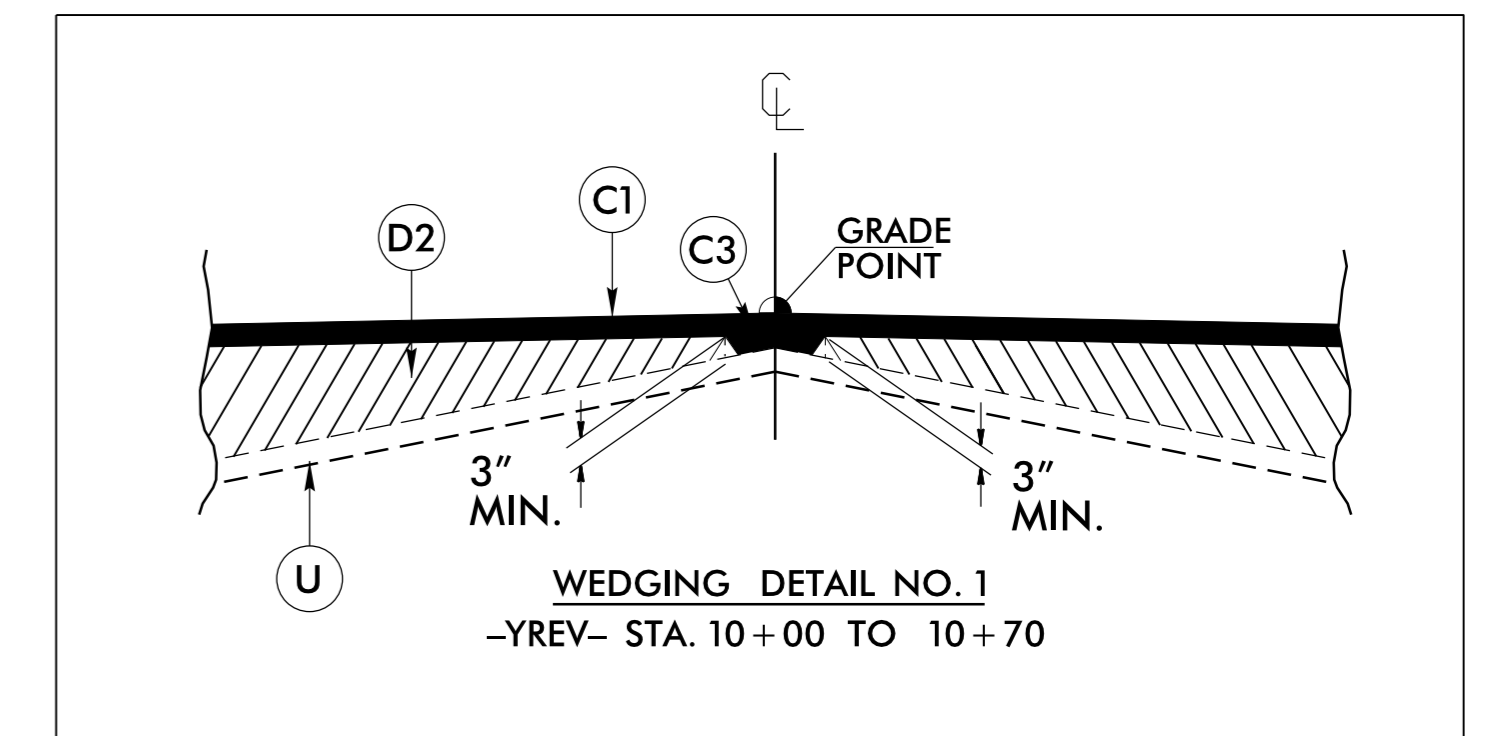
TYPICAL SECTION NO. 1

-L- STA. 14+50.00 TO STA 23+45.00
 -L- STA. 28+15.00 TO STA 38+50.00
 -YREV- STA. 10+00.00 TO STA 10+70.00



TYPICAL SECTION NO. 2

-L- STA. 23+45.00 TO 28+15.00



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 1/2" 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 station, 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.
- Channelizing devices in work areas shall be spaced not greater than 50' on center in tangent areas, 45' on center in tapers, and 10' on center in radii, and shall be set 3' off the edge of travelway, unless otherwise indicated on plans.
- Portable Changeable Message Boards shall be used on NC 410, SR 1002 and SR 1003. Cost of these will be included in lump sum temporary traffic control.
- Contractor to install Erosion Control devices as directed by the Engineer.
- Contractor shall coordinate with the Division Six Traffic Services Unit (910-364-0606) for placement of all pavement markings and signs.

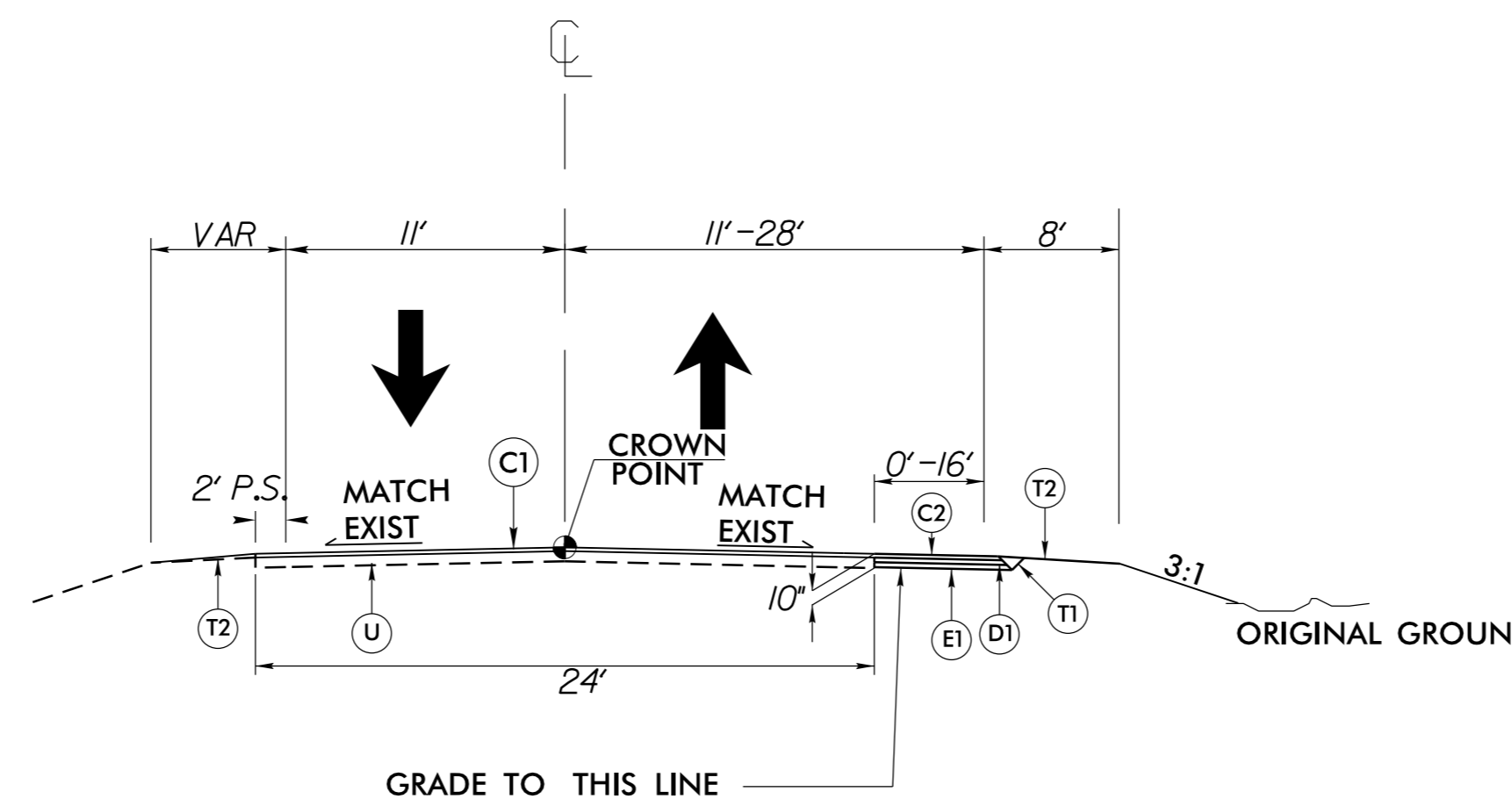
MILLING AT PAVEMENT TIE-INS

NOTES TO CONTRACTOR

For surface mixes over 1" in thickness, mill the existing pavement in accordance with the following sketch as directed by the Engineer.

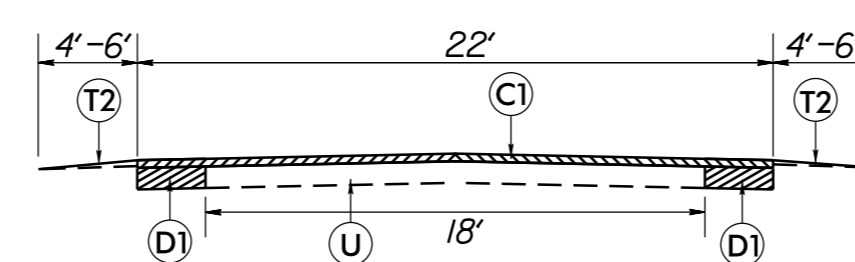
Locations shall include ties into existing concrete pavement, at bridge approaches where the bridge will not be resurfaced, and at the beginning and ending point of each resurfacing map.

Perform the work in accordance with Section 607 of the January 2018 North Carolina Department of Transportation Standard Specifications for Roads and Structures. Resurfacing will be accomplished at the same time as the milling operation.



TYPICAL SECTION NO. 3

-Y- STA. 22+65.00 TO 23+15.00



TYPICAL SECTION NO. 4

SR 1003 FROM NC 410 TO SR 1002

NOTE: TRENCHING FOR WIDENING SHALL BE PERFORMED BY MILLING MACHINE

6/2/99

28 JAN 2022 06:29
 3:53:51 PM
 C:\Users\jstern\OneDrive\Documents\Projects\W-5706J\Roadway\proj\W-5706J_Rdy_tup.dgn

DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA

SUMMARY OF EARTHWORK

IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
-L- 15+00 to 23+50	270		731	731	268
-L- 28+00 to 38+50	370		781	781	370
-L- Total	640		1450	1512	638
Project Total	640		1450	1512	638
Est 5% to Replace Top Soil on Borrow Pit				76	
Grand Total	640		1450	1588	638
SAY	650		1450	1600	650

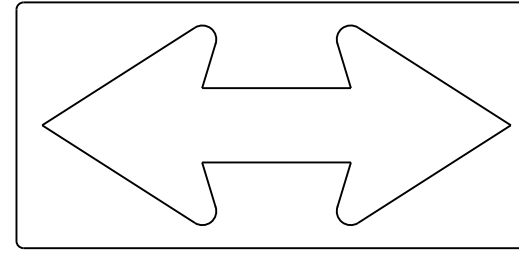
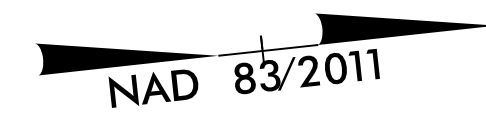
NOTE: Earthwork quantities are calculated by the Roadway Design Unit. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

SUMMARY OF PAVEMENT REMOVAL

IN SQUARE YARDS

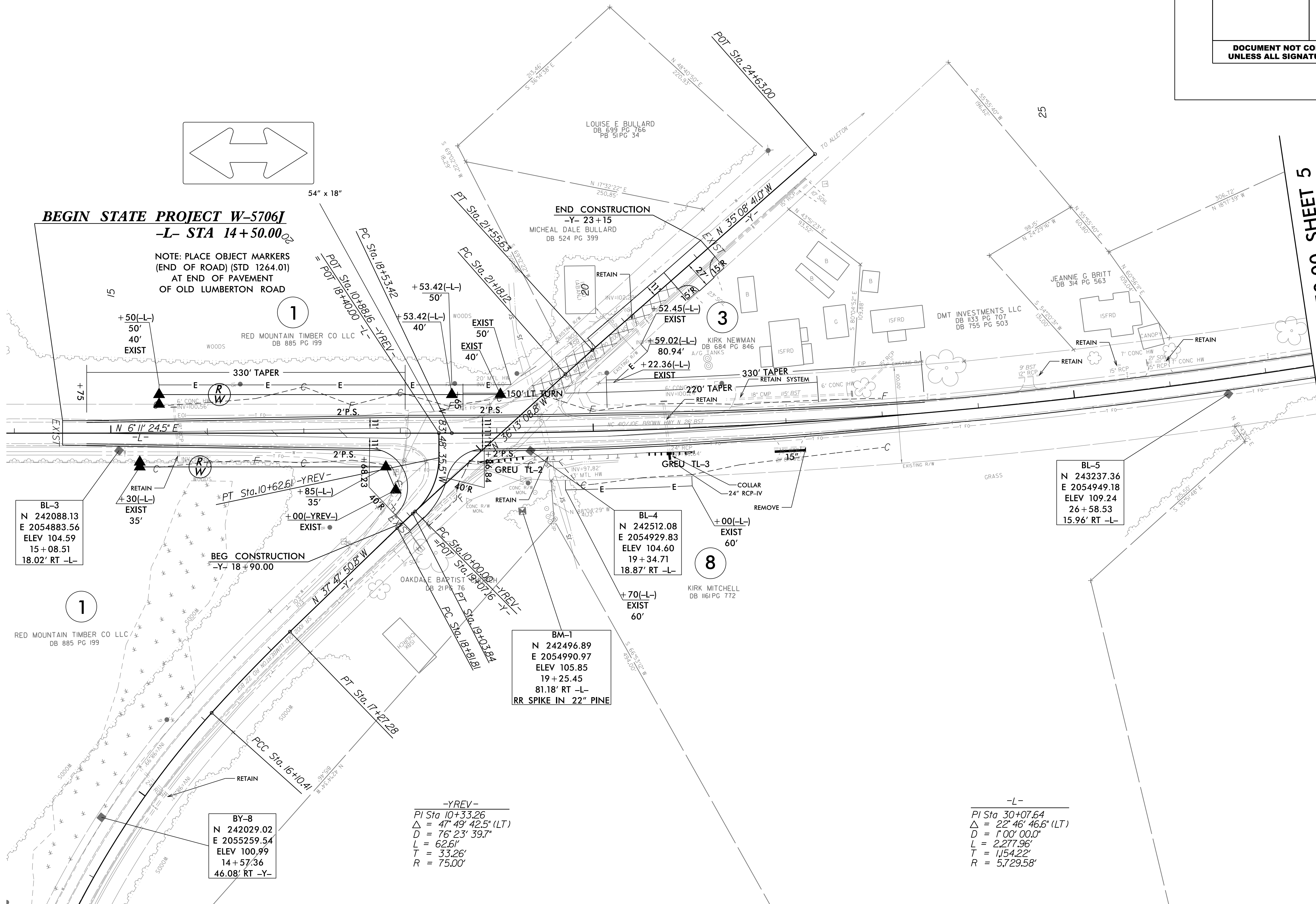
STATION	LOCATION	SYDS
-Y- 20+55 - 22+65	LT & RT	510
PROJECT TOTAL:		510

PROJECT REFERENCE NO.	SHEET NO.
W-5706J	4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



BEGIN STATE PROJECT W-5706J
-L- STA 14+50.00

NOTE: PLACE OBJECT MARKERS
 (END OF ROAD) (STD 1264.01)
 AT END OF PAVEMENT
 OF OLD LUMBERTON ROAD



BL-3
 N 242088.13
 E 2054883.56
 ELEV 104.59
 15+08.51
 18.02' RT -L-

BL-5
 N 243237.36
 E 2054949.18
 ELEV 109.24
 26+58.53
 15.96' RT -L-

BL-4
 N 242512.08
 E 2054929.83
 ELEV 104.60
 19+34.71
 18.87' RT -L-

BM-1
 N 242496.89
 E 2054990.97
 ELEV 105.85
 19+25.45
 81.18' RT -L-
 RR SPIKE IN 22" PINE

BY-8
 N 242029.02
 E 2055259.54
 ELEV 100.99
 14+57.36
 46.08' RT -Y-

-YREV-
 PI Sta 10+33.26
 $\Delta = 47^\circ 49' 42.5''$ (LT)
 $D = 76^\circ 23' 39.7''$
 $L = 62.61'$
 $T = 33.26'$
 $R = 75.00'$

-L-
 PI Sta 30+07.64
 $\Delta = 22^\circ 46' 46.6''$ (LT)
 $D = 1^\circ 00' 00.0''$
 $L = 2,277.96'$
 $T = 1154.22'$
 $R = 5,729.58'$

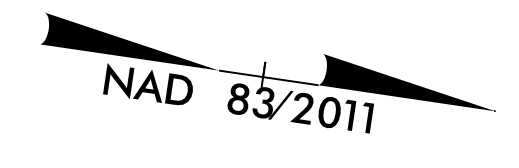
MATCHLINE -L- STA 27+50.00 SHEET 5

REVISIONS

8/17/99

27 JAN 2022 16:20
 C:\Users\jstewart\OneDrive\Documents\Projects\W-5706J\Roadway\proj\W-5706J_Rdy_psh_4.dgn
 3385012701

PROJECT REFERENCE NO.	SHEET NO.
W-5706J	5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

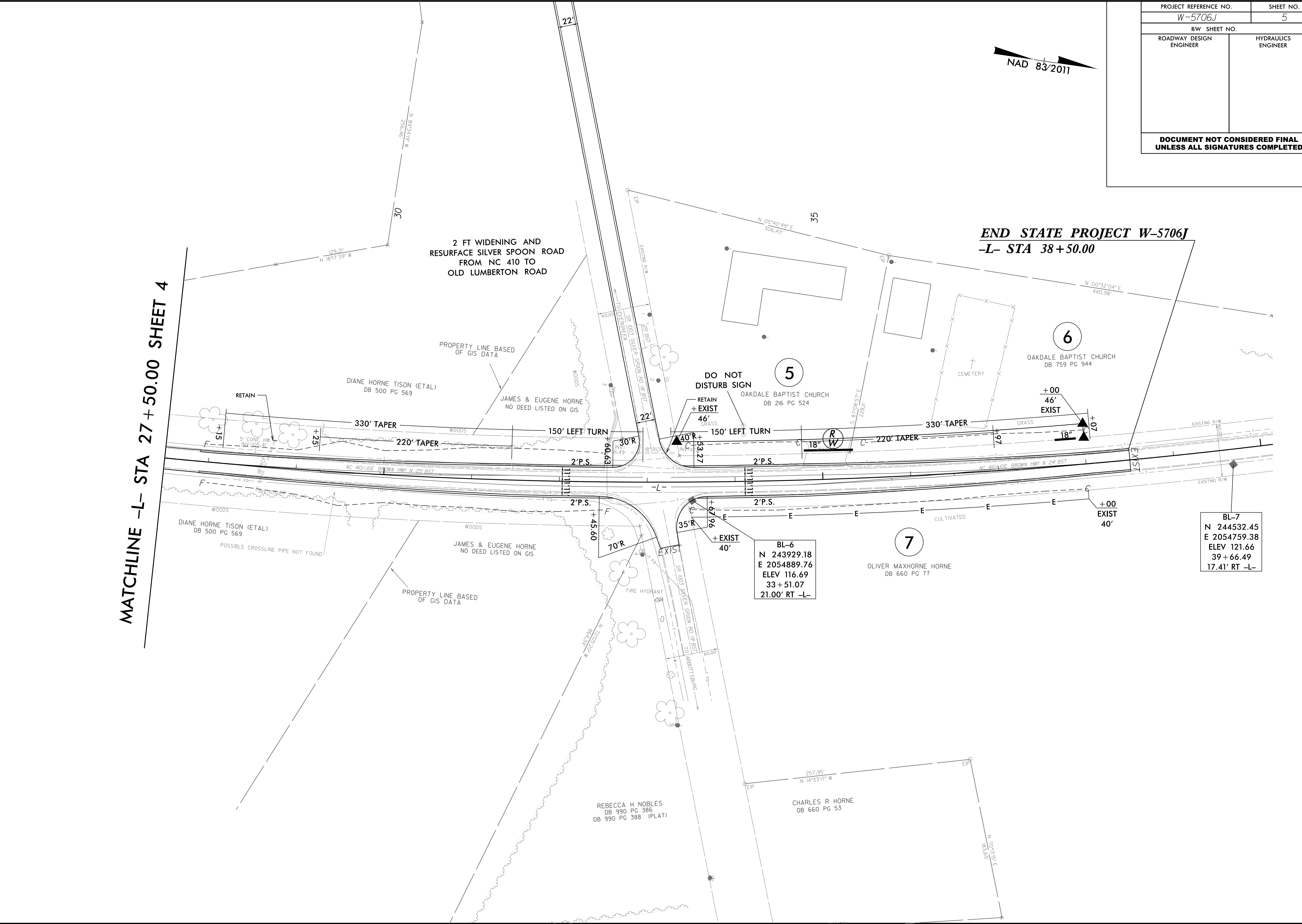


END STATE PROJECT W-5706J
-L- STA 38+50.00

MATCHLINE -L- STA 27+50.00 SHEET 4

REVISIONS

8/17/99
27 JAN 2022 16:18
3:38:53
C:\Users\jerry\OneDrive\Documents\Projects\W-5706J\Roadway\proj\W-5706J_Rdy_psh_5.dgn
at Old Lumberton-Silver-Spoon-Columnbus



2 FT WIDENING AND
RESURFACE SILVER SPOON ROAD
FROM NC 410 TO
OLD LUMBERTON ROAD

DIANE HORNE TISON (ETAL)
DB 500 PG 569

JAMES & EUGENE HORNE
NO DEED LISTED ON GIS

DO NOT
DISTURB SIGN
OAKDALE BAPTIST CHURCH
DB 216 PG 524

6
OAKDALE BAPTIST CHURCH
DB 759 PG 944

7
OLIVER MAXHORNE HORNE
DB 660 PG 77

BL-6
N 243929.18
E 2054889.76
ELEV 116.69
33+51.07
21.00' RT -L-

BL-7
N 244532.45
E 2054759.38
ELEV 121.66
39+66.49
17.41' RT -L-

DIANE HORNE TISON (ETAL)
DB 500 PG 569
POSSIBLE CROSSLINE PIPE NOT FOUND

JAMES & EUGENE HORNE
NO DEED LISTED ON GIS

REBECCA H NOBLES
DB 990 PG 386
DB 990 PG 388 (PLAT)

CHARLES R HORNE
DB 660 PG 53

RETAIN

RETAIN
+ EXIST

+00
46'
EXIST

+00
EXIST
40'

330' TAPER

220' TAPER

150' LEFT TURN

150' LEFT TURN

330' TAPER

220' TAPER

2' P.S.

2' P.S.

EXIST

129.21'
N 187°1'39" W

30

22'

35

N 00°32'04" E
440.98'

N 05°40'49" E
306.43'

N 00°32'04" E
440.98'

S 87°08'57" E
228.11'

N 72°05'20" W
86.234'

257.95'
N 14°33'11" W

N 10°39' E
183.65'

N 1°49' W
60.63'

N 1°49' W
60.63'

N 1°49' W
60.63'

70° R

35° R

+ EXIST
40'

30° R

18" W

18" W

60.00'

60.00'

60.00'

60.00'

60.00'

60.00'

60.00'

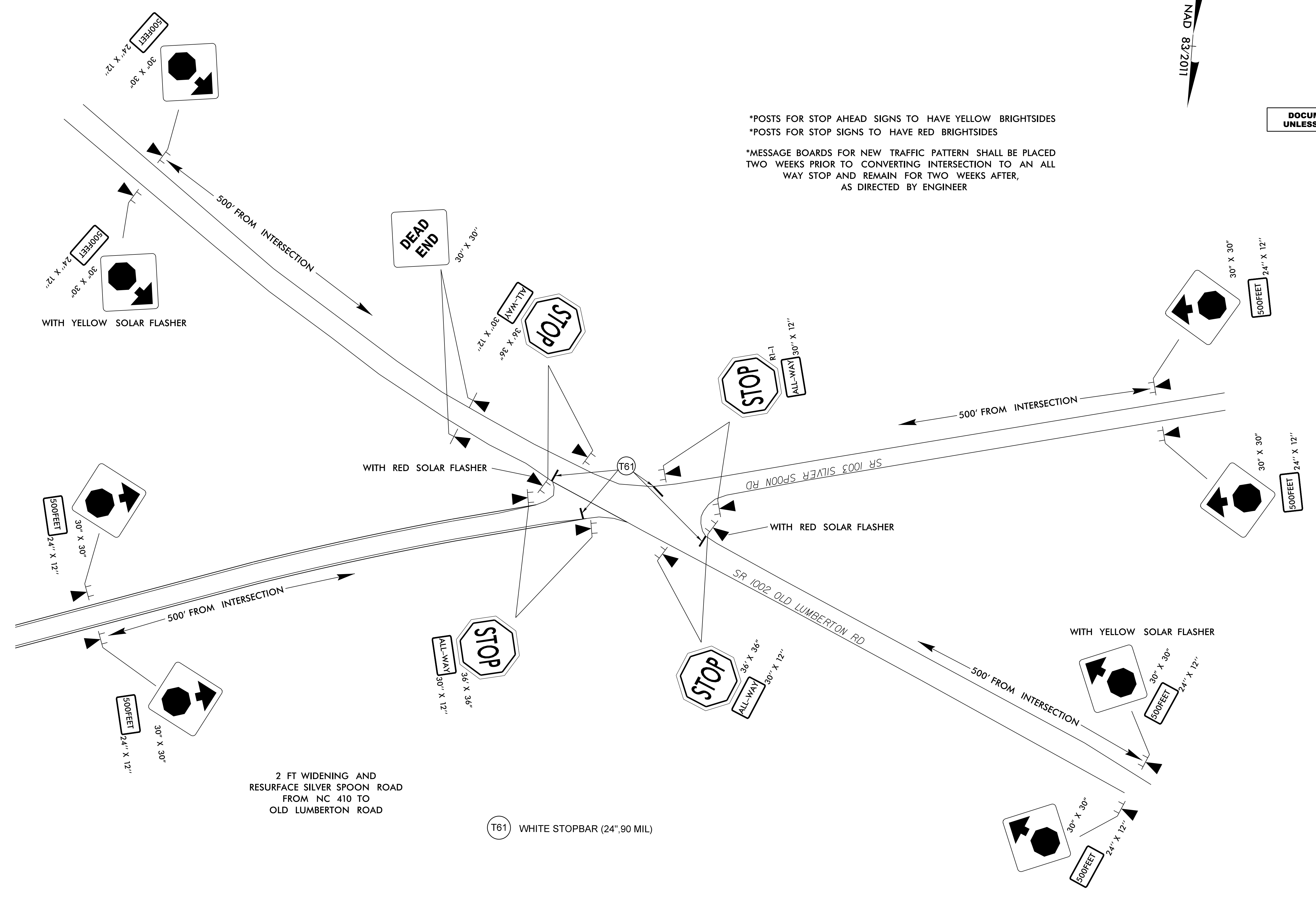
60.00'

60.00'

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

NAD 83/2011

*POSTS FOR STOP AHEAD SIGNS TO HAVE YELLOW BRIGHTSIDES
 *POSTS FOR STOP SIGNS TO HAVE RED BRIGHTSIDES
 *MESSAGE BOARDS FOR NEW TRAFFIC PATTERN SHALL BE PLACED TWO WEEKS PRIOR TO CONVERTING INTERSECTION TO AN ALL WAY STOP AND REMAIN FOR TWO WEEKS AFTER, AS DIRECTED BY ENGINEER



REVISIONS

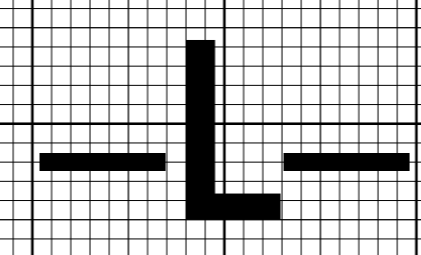
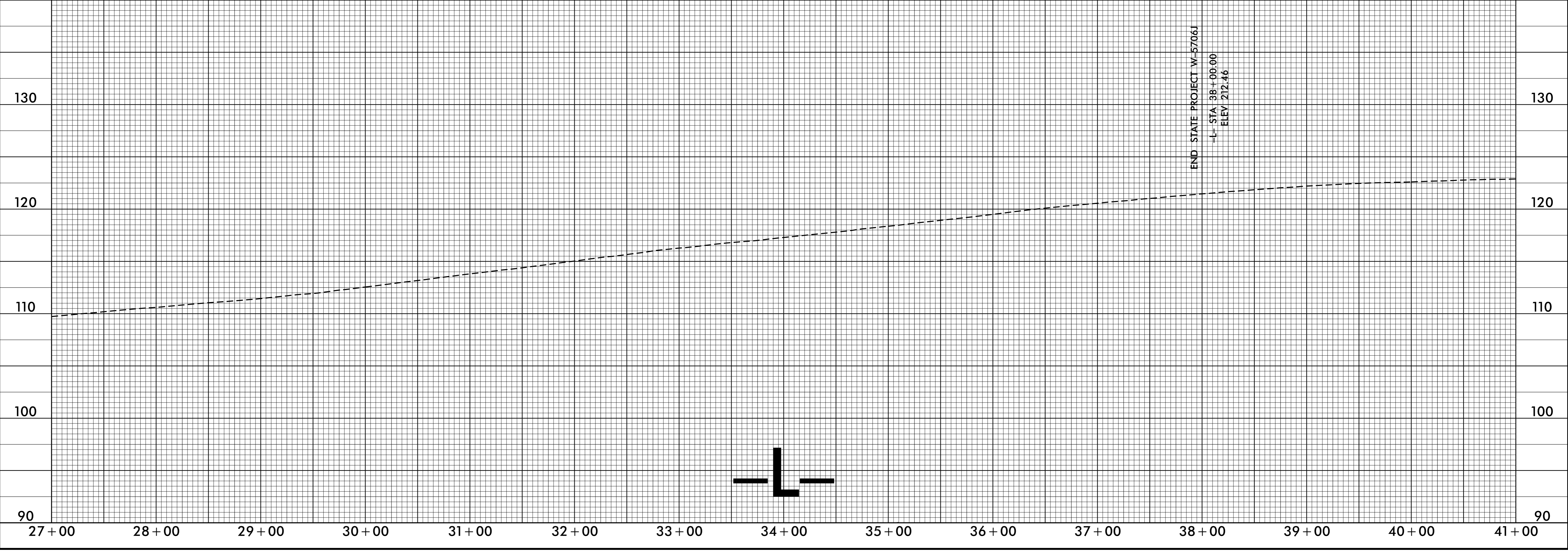
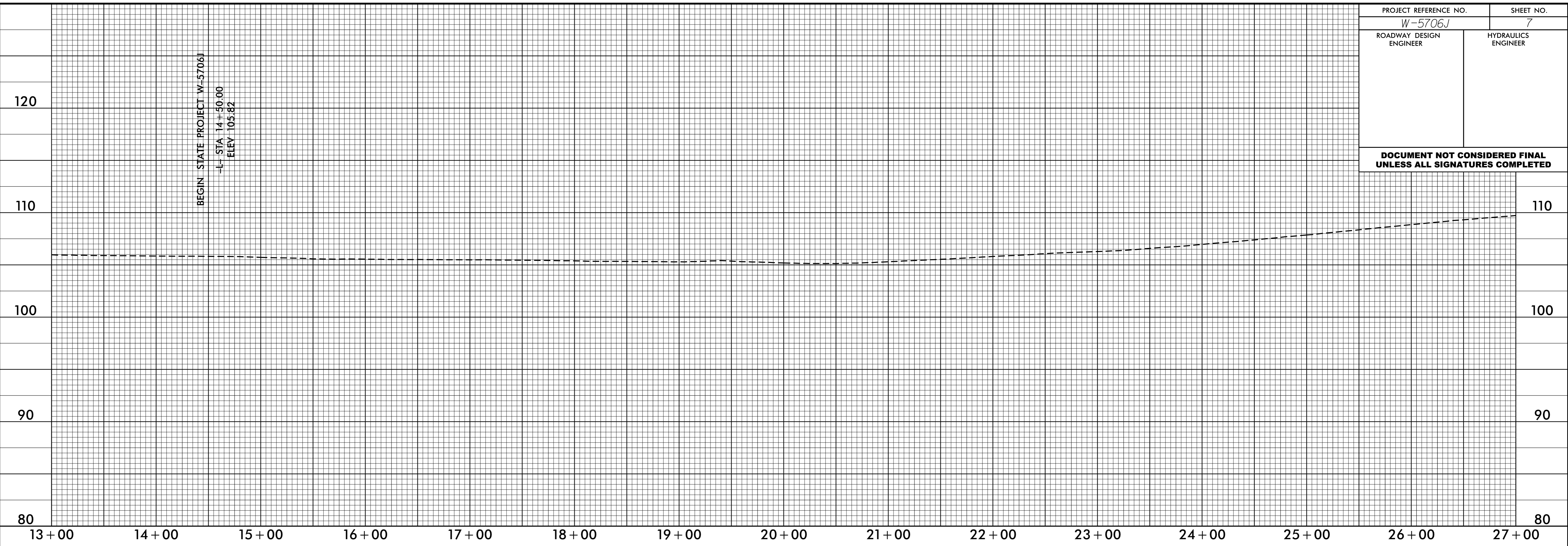
01-FEB-2002 07:39 at Old Lumberton-Silver Spoon-Columbus Roadway\proj\W-5706J_Rdy_psh_6.dgn
 3/3/2002 10:45 AM

8/17/99

PROJECT REFERENCE NO. <i>W-5706J</i>	SHEET NO. <i>7</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

5/28/99

19-JAN-2002 15:12
 C:\Users\jst\Documents\Projects\W-5706J\Roadway\proj\W-5706J.Rdy.pfl L.sht 7.dgn



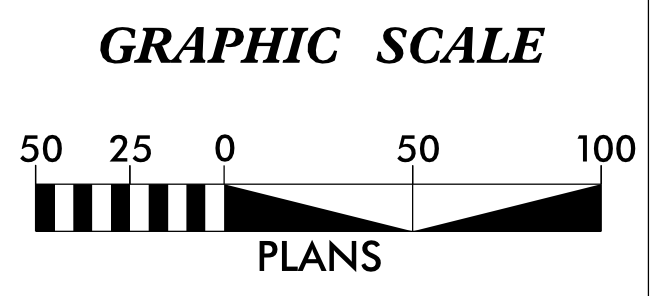
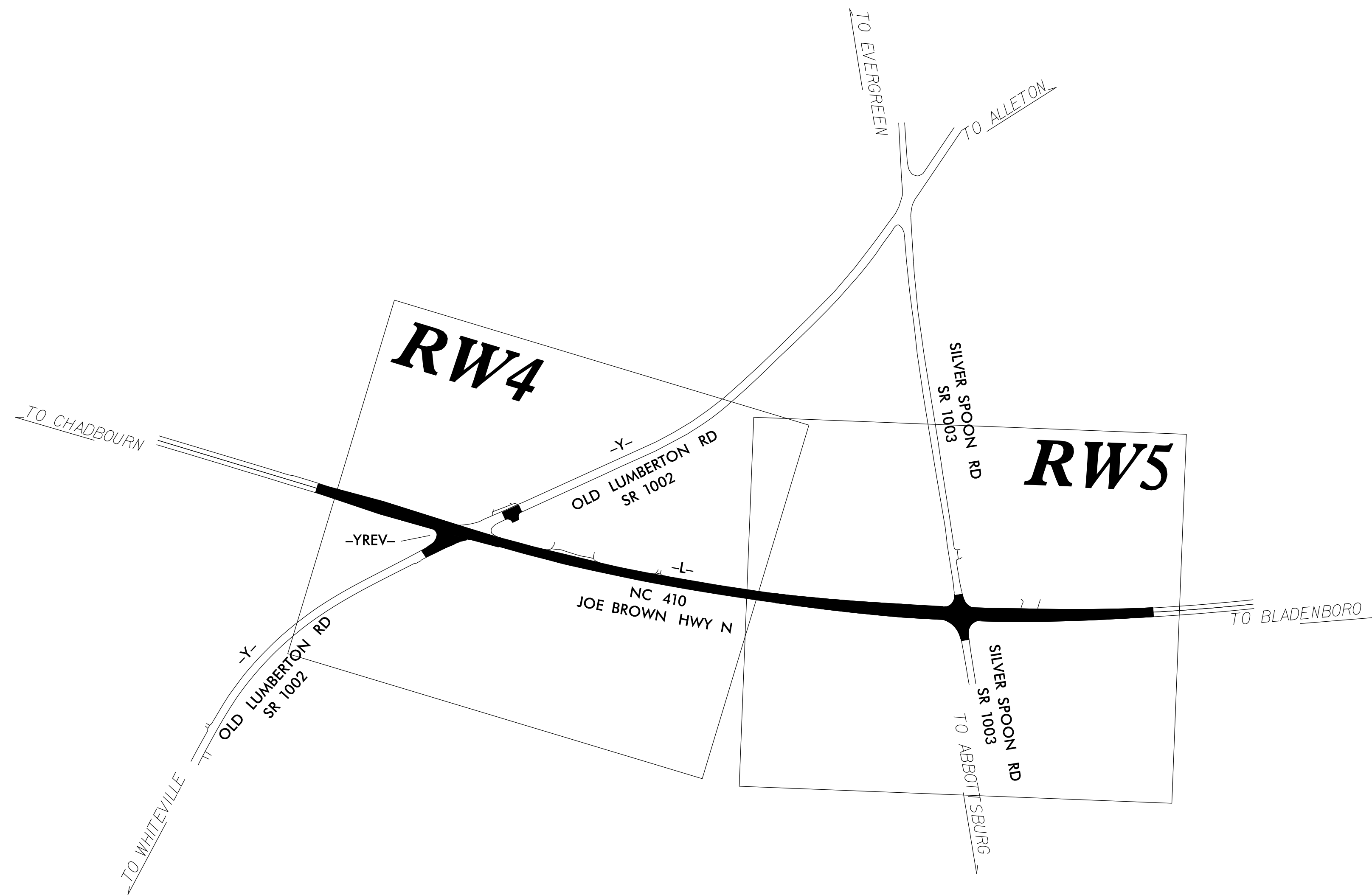
TIP PROJECT: W-5706J

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W-5706J	RW1	7

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SURVEY CONTROL, EXISTING CENTERLINES,
RIGHT OF WAY, EASEMENTS AND PROPERTY TIES

COLUMBUS COUNTY



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "W-5706J-4" (BL-4) WITH NAD 83/NSRS 2011 STATE PLANE GRID COORDINATES OF NORTHING: 242512.0780(ft) EASTING: 2054929.8270(ft) ELEVATION: 104.60(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9999776315

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "W-5706J-4" TO -L- STATION 10+00.00 IS S 07-18'40.1" W 935.16(ft)

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

Prepared in the Office of:

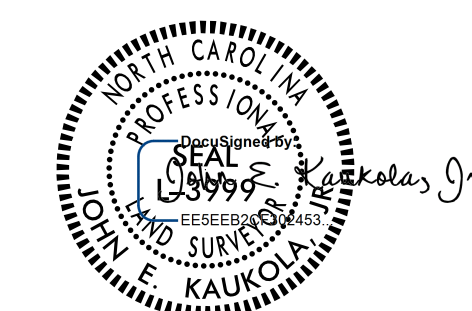
**NCDOT DIVISION 6
LOCATION AND SURVEYS
4834 US HWY 301 S
HOPE MILLS, NC 28348**

2018 STANDARD SPECIFICATIONS

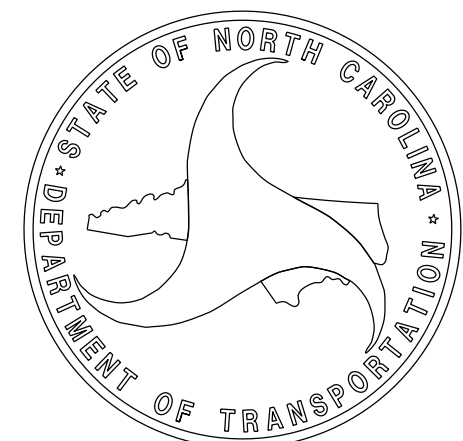
RIGHT OF WAY DATE:
03/30/2020

LETTING DATE:
03/02/2022

PROFESSIONAL LAND SURVEYOR



SIGNATURE: _____ Date: _____



SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

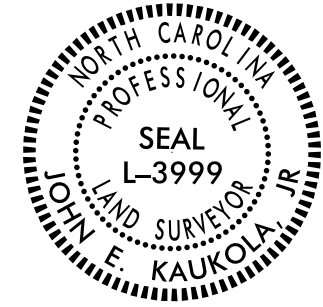
I, John E. Kaukola, Jr., PLS, certify that the Project Control was performed under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:


Class of survey: AA
Type of GPS field procedure: Static
Dates of survey: October 2018
Datum/Epoch: NAD83/NA 2011
Published/Fixed-control use: N/A
Localized around: W-5706J-4 (BL-4)
Northing: 242512.0780
Easting: 2054929.8270
Combined grid factor: 0.9999776315
Geoid model: G12BNC
Units: US Survey Feet

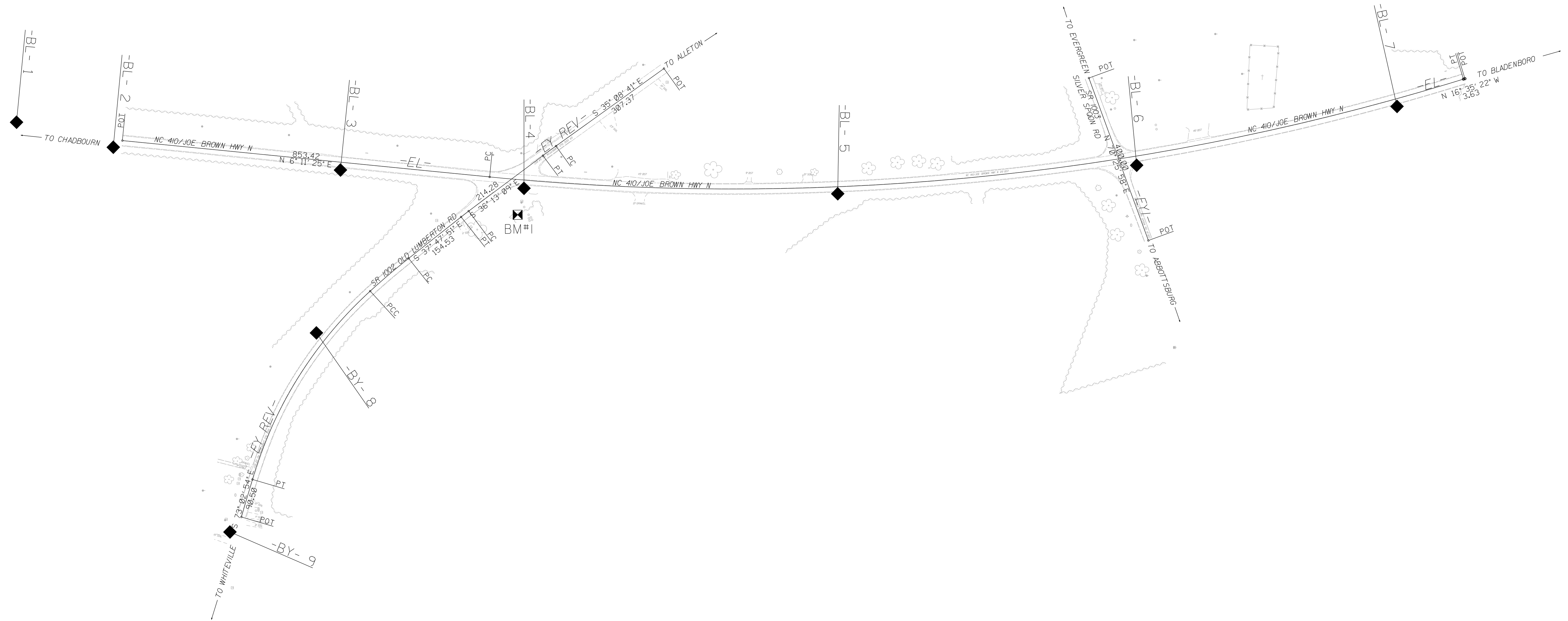
I also certify that the Baseline Control for this project was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was in October 2018, and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 1st day of November, 2021.

Designed by
John E. Kaukola, Jr.
Professional Land Surveyor L-3999



PROJECT REFERENCE NO. W-5706J	SHEET NO. RW02C-1
Location and Surveys	
NCDOT DIVISION 6 LOCATION AND SURVEYS 4834 US HWY 301 S HOPE MILLS, NC 28348	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

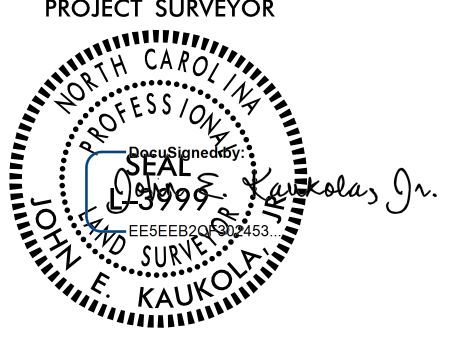


NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. W-5706J	SHEET NO. RW02C-2
Location and Surveys	
NCDOT DIVISION 6 LOCATION AND SURVEYS 4834 US HWY 301 S HOPE MILLS, NC 28348	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

BL	POINT	DESC.	NORTH	EAST	ELEVATION
1	W-5706J	BL-1	240906.5134	2054757.0526	106.37
2	W-5706J	BL-2	241563.3601	2054825.9636	105.86
3	W-5706J	BL-3	242088.1261	2054883.5639	104.59
4	W-5706J	BL-4	242512.0780	2054929.8270	104.60
5	W-5706J	BL-5	243237.3604	2054949.1838	109.24
6	W-5706J	BL-6	243929.1783	2054889.7606	116.69
7	W-5706J	BL-7	244532.4488	2054759.3756	121.66

.....
 BMI ELEVATION = 105.85
 N 242497 E 2054991
 RR SPIKE IN BASE OF 22' PINE

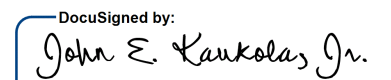
BY	POINT	DESC.	NORTH	EAST	ELEVATION
10	W-5706J	BL-4	242512.0780	2054929.8270	104.60
8	W-5706J	BY-8	242029.0204	2055259.5409	100.99
9	W-5706J	BY-9	241824.7856	2055717.9313	105.31

I, John E. Kaukola, Jr., PLS, certify that the Project Control was performed under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: **AA**
 Type of GPS field procedure: Static
 Dates of survey: October 2018
 Datum/Epoch: NAD83/NA 2011
 Published/Fixed-control use: N/A
 Localized around: W-5706J-4 (BL-4)
 Northing: 242512.0780
 Easting: 2054929.8270
 Combined grid factor: 0.9999776315
 Geoid model: G12BNC
 Units: US Survey Feet

I also certify that the Baseline Control for this project was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed in October 2018, and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 1st day of November, 2021.

DocuSigned by:

 Professional Land Surveyor L-3999



EL									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	241584.524	2054810.821							
LINE			N 06°11'24.5" E	853.42					
PC	242432.963	2054902.844							
CURVE			N 05°11'58.8" W	2262.99	22°46'46.6"(LT)	01°00'00.0"	2277.96	1154.22	5729.58
PT	244686.639	2054697.757							
LINE			N 16°35'22.1" W	3.63					
POT	244690.115	2054696.721							

EY_REV									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	242838.362	2054655.936							
LINE			S 35°08'41.0" E	307.37					
PC	242587.027	2054832.871							
CURVE			S 35°40'54.9" E	37.50	01°04'27.8"(LT)	02°51'53.2"	37.50	18.75	2000.00
PT	242556.564	2054854.746							
LINE			S 36°13'08.8" E	214.28					
PC	242383.690	2054981.359							
CURVE			S 37°00'29.8" E	22.04	01°34'41.9"(LT)	07°09'43.1"	22.04	11.02	800.00
PT	242366.093	2054994.624							
LINE			S 37°47'50.8" E	154.53					
PC	242243.988	2055089.329							
CURVE			S 39°49'35.4" E	116.84	04°03'29.2"(LT)	03°28'20.9"	116.87	58.46	1650.00
PCC	242154.255	2055164.162							
CURVE			S 57°27'06.8" E	513.52	31°11'33.6"(LT)	05°59'58.4"	519.92	266.57	955.00
PT	241877.978	2055597.028							
LINE			S 73°02'53.6" E	90.50					
POT	241851.592	2055683.592							

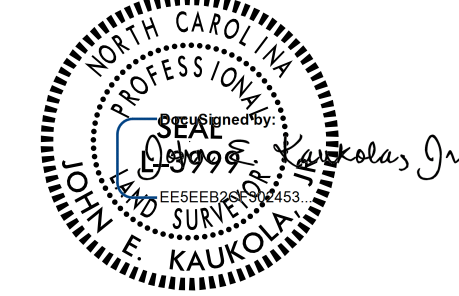
EY1				
POINT	N	E	BEARING	DIST
POT	243820.696	2054687.145		
LINE			N 70°25'58.2" E	400.00
POT	243954.659	2055064.041		

NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

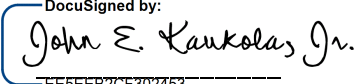
REVISIONS

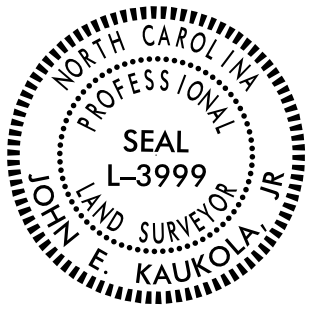
PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO. W-5706J	SHEET NO. RW02D-1
Location and Surveys	
NCDOT DIVISION 6 LOCATION AND SURVEYS 4834 US HWY 301 S HOPE MILLS, NC 28348	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, John E. Kaukoal, Jr., PLS, certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

This 1st day of November, 2021.

DocuSigned by:

 Professional Land Surveyor L-3999



L

TYPE	STATION	NORTH	EAST
POT	10+00.00	241584.5237	2054810.8212
PC	18+53.42	242432.9632	2054902.8437
PT	41+31.38	244686.6387	2054697.7568
POT	41+35.00	244690.1150	2054696.7212

Y

TYPE	STATION	NORTH	EAST
POT	10+00.00	241851.5924	2055683.5918
PC	10+90.50	241877.9779	2055597.0279
PCC	16+10.41	242154.2551	2055164.1620
PT	17+27.28	242243.9876	2055089.3294
PC	18+81.81	242366.0928	2054994.6237
PT	19+03.84	242383.6902	2054981.3591
POT	21+93.00	242616.9726	2054810.5026

YREV

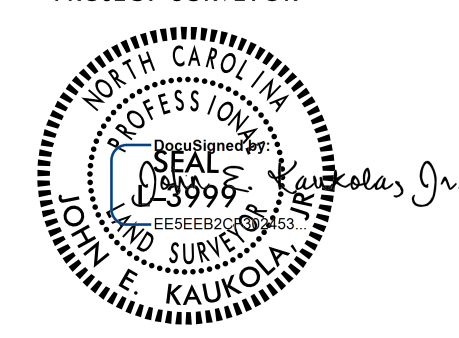
TYPE	STATION	NORTH	EAST
PC	10+00.00	242386.3724	2054979.4032
PT	10+62.61	242416.8709	2054926.7997
POT	10+88.16	242419.6261	2054901.3971

REVISIONS

NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE PROPOSED ALIGNMENT CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO. W-5706J	SHEET NO. RW03E-1
Location and Surveys	
NCDOT DIVISION 6 LOCATION AND SURVEYS 4834 US HWY 301 S HOPE MILLS, NC 28348	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	15+30.00	35.00	242107.6596	2054902.7663
L	15+30.00	30.00	242108.1987	2054897.7954
L	15+50.00	-40.00	242135.6301	2054830.3601
L	15+50.00	-30.00	242134.5518	2054840.3018
L	17+85.00	35.00	242361.1728	2054930.2625
L	18+53.42	-40.00	242437.2763	2054863.0769
L	19+04.08	-40.00	242487.3126	2054868.2802
L	33+33.77	-46.00	243901.9846	2054826.1471
L	38+00.00	-46.00	244355.9340	2054738.3641
L	38+00.00	-30.00	244359.6082	2054753.9365

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
YREV	10+00.00	-30.00	242368.7467	2054955.1269

I, John E. Kaukola, Jr., PLS certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed on November 1, 2021 and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This is the day of November, 2021.
 John E. Kaukola, Jr.
 Professional Land Surveyor L-3999



REVISIONS

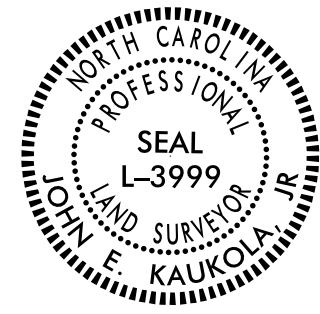
NOTES:

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.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED NOVEMBER 1, 2021 .

I, John E. Kaukola, Jr., PLS, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed on November 1, 2021, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 1st day of November, 2021.

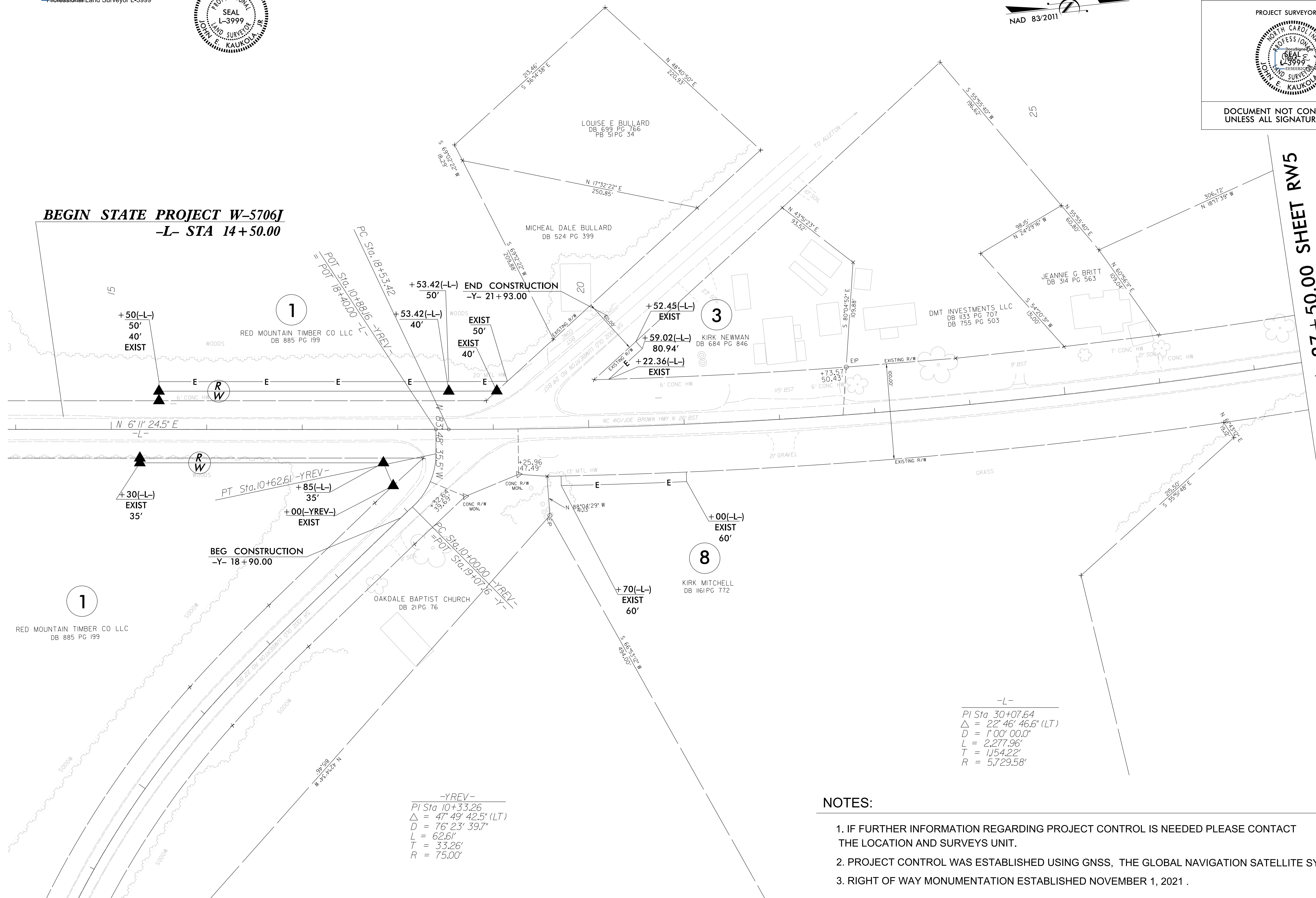
Designed by
John E. Kaukola, Jr.
Professional Land Surveyor L-3999



PROJECT REFERENCE NO.	SHEET NO.
W-5706J	RW4
Location and Surveys	
NCDOT DIVISION 6 LOCATION AND SURVEYS 4834 US HWY 301 S HOPE MILLS, NC 28348	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



BEGIN STATE PROJECT W-5706J
-L- STA 14+50.00



REVISIONS

Q:\FB\2022_05\1-projects\Control Sheets\W5706J\work\w5706J.lis.r.w4.dgn
01/17/22 9:41:42 AM
AT: D:\06-312634
emblesmon

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.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED NOVEMBER 1, 2021 .

PROJECT REFERENCE NO.	SHEET NO.
W-5706J	RW5
Location and Surveys	
NCDOT DIVISION 6 LOCATION AND SURVEYS 4834 US HWY 301 S HOPE MILLS, NC 28348	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, John E. Kaukola, PLS, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed on November 1, 2021, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 1st day of November, 2021.
 Discontinued by

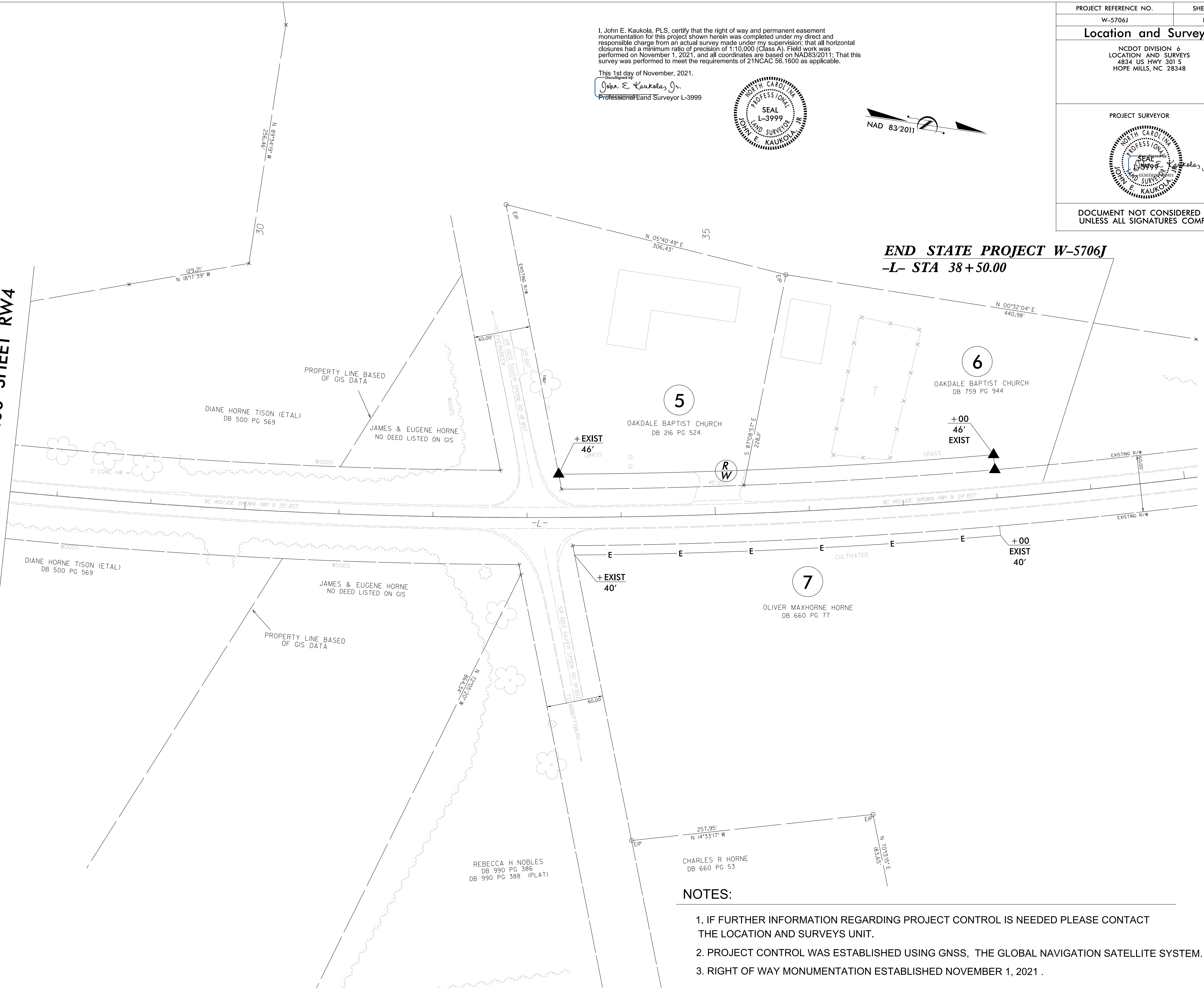
 John E. Kaukola, Jr.
 Professional Land Surveyor L-3999



MATCHLINE -L- STA 27 + 50.00 SHEET RW4

**END STATE PROJECT W-5706J
 -L- STA 38 + 50.00**

REVISIONS



NOTES:

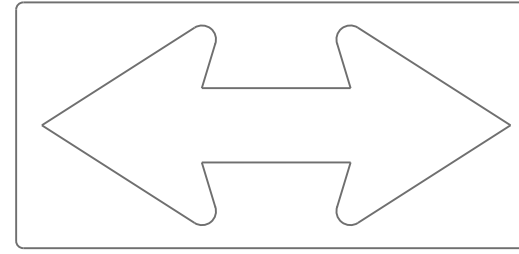
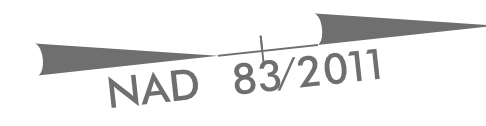
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED NOVEMBER 1, 2021 .

Q:\FB\2022_05\15\Projects\Control\Sheets\W5706J\work\W5706J.LS.rw5.dgn
 03/11/2022 14:21:42
 AT: D:\06-312634
 emblesmon

PROJECT REFERENCE NO.	SHEET NO.
W-5706J	EC-01
RW SHEET NO.	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

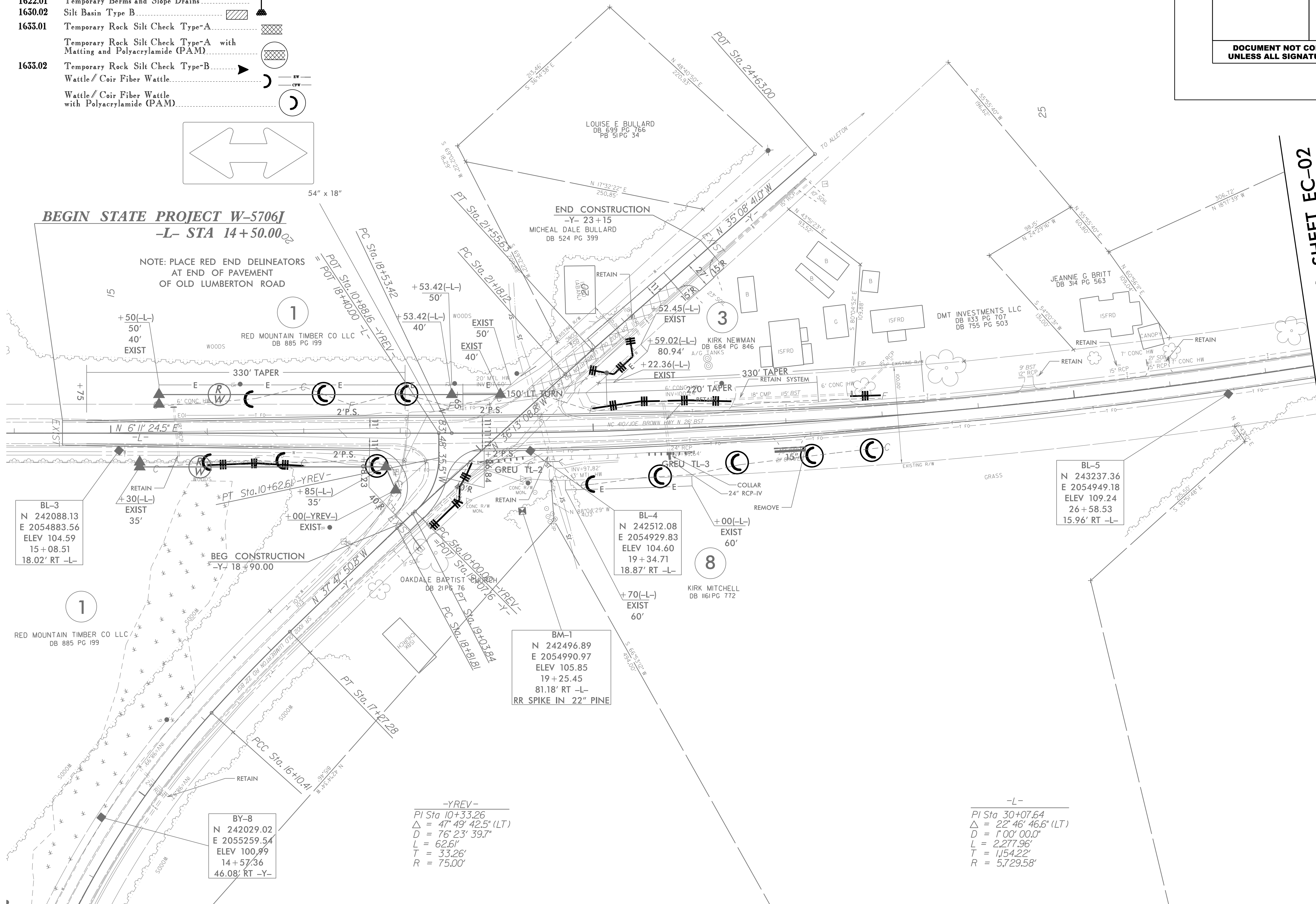
EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.05	Temporary Silt Ditch	
1630.05	Temporary Diversion	
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	
1622.01	Temporary Berms and Slope Drains	
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	
	Wattle/Coir Fiber Wattle with Polyacrylamide (PAM)	



BEGIN STATE PROJECT W-5706J
-L- STA 14+50.00

NOTE: PLACE RED END DELINEATORS
AT END OF PAVEMENT
OF OLD LUMBERTON ROAD



BL-3
N 242088.13
E 2054883.56
ELEV 104.59
15+08.51
18.02' RT -L-

BL-4
N 242512.08
E 2054929.83
ELEV 104.60
19+34.71
18.87' RT -L-

BL-5
N 243237.36
E 2054949.18
ELEV 109.24
26+58.53
15.96' RT -L-

BM-1
N 242496.89
E 2054990.97
ELEV 105.85
19+25.45
81.18' RT -L-
RR SPIKE IN 22" PINE

BY-8
N 242029.02
E 2055259.54
ELEV 100.89
14+57.36
46.08' RT -Y-

-YREV-
PI Sta 10+33.26
Δ = 47° 49' 42.5" (LT)
D = 76' 23' 39.7"
L = 62.61'
T = 33.26'
R = 75.00'

-L-
PI Sta 30+07.64
Δ = 22° 46' 46.6" (LT)
D = 1° 00' 00.0"
L = 2,277.96'
T = 1,154.22'
R = 5,729.58'

MATCHLINE -L- STA 27+50.00 SHEET EC-02

REVISIONS

8/17/99

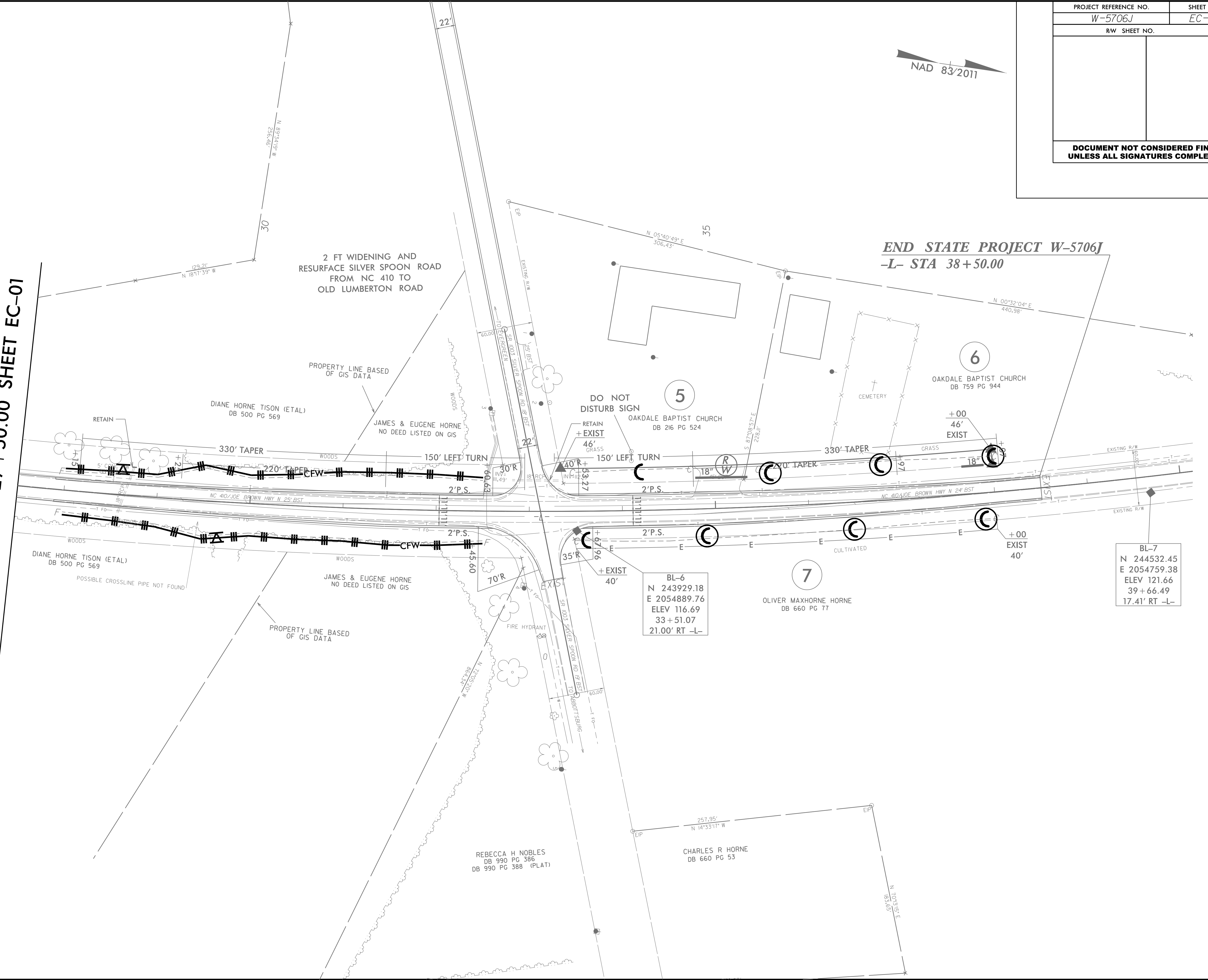
26 JAN 2022 14:35
3383 USER NAME: J...
at Old Lumberton-Silver-Spoon-Columbus\Erosion Control\W-5706J-EC-dsn_sht4.dgn

PROJECT REFERENCE NO.	SHEET NO.
W-5706J	EC-02
RW SHEET NO.	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



MATCHLINE -L- STA 27 + 50.00 SHEET EC-01

END STATE PROJECT W-5706J
-L- STA 38 + 50.00

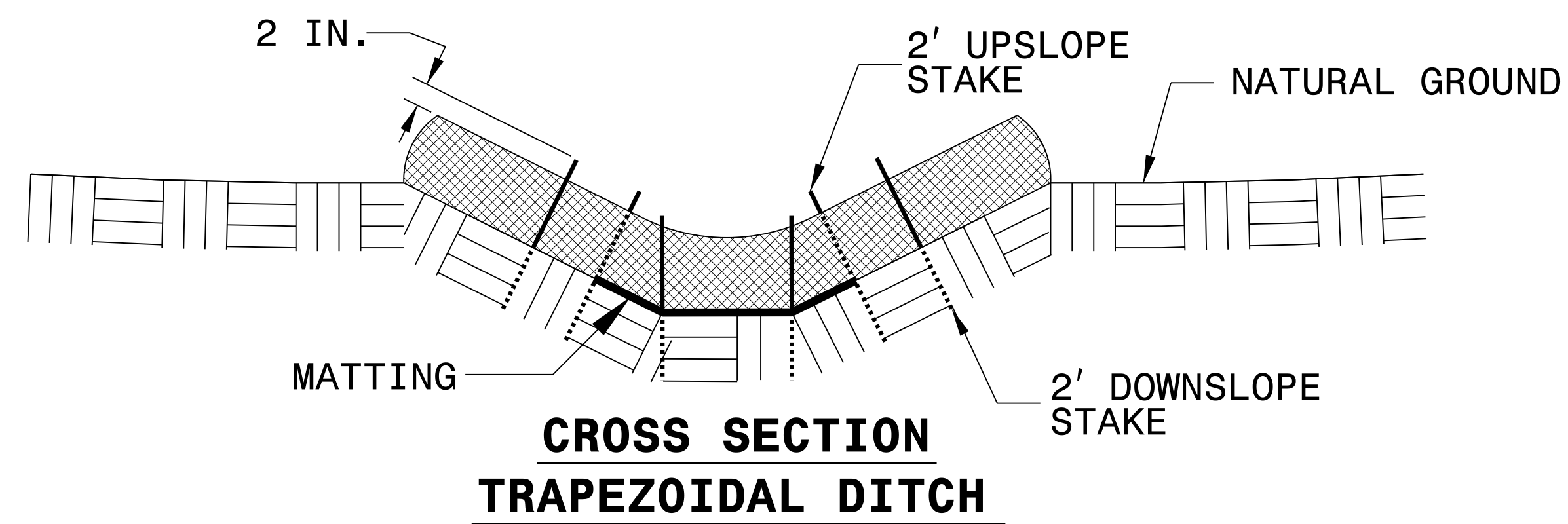
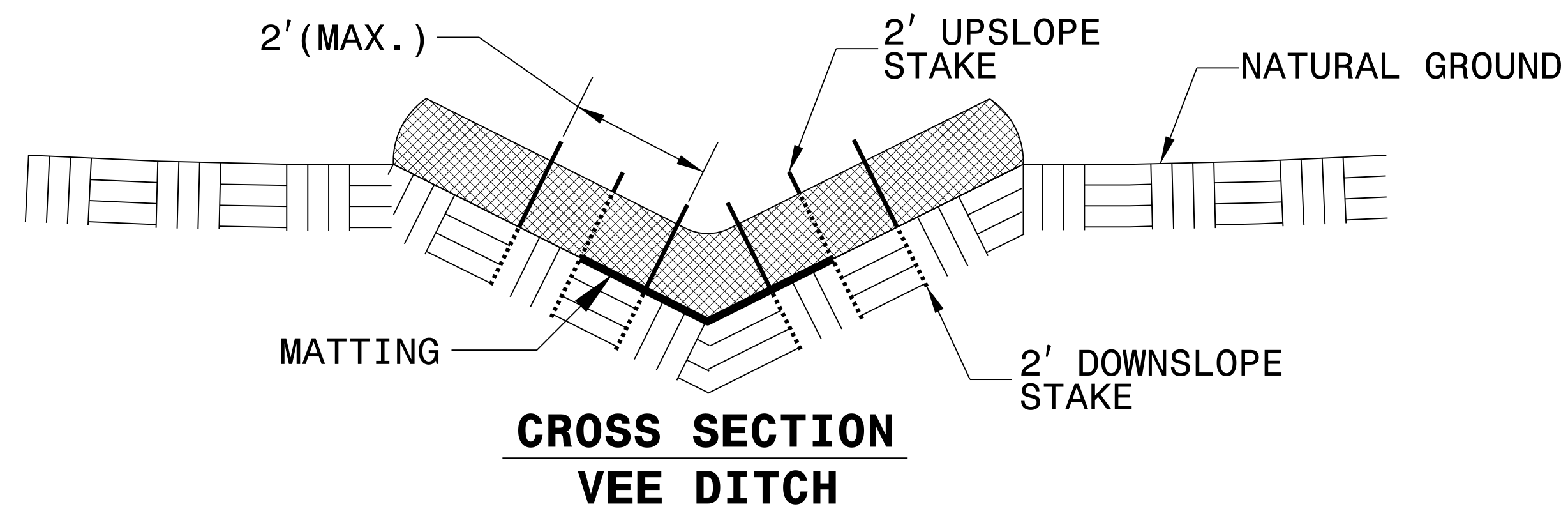
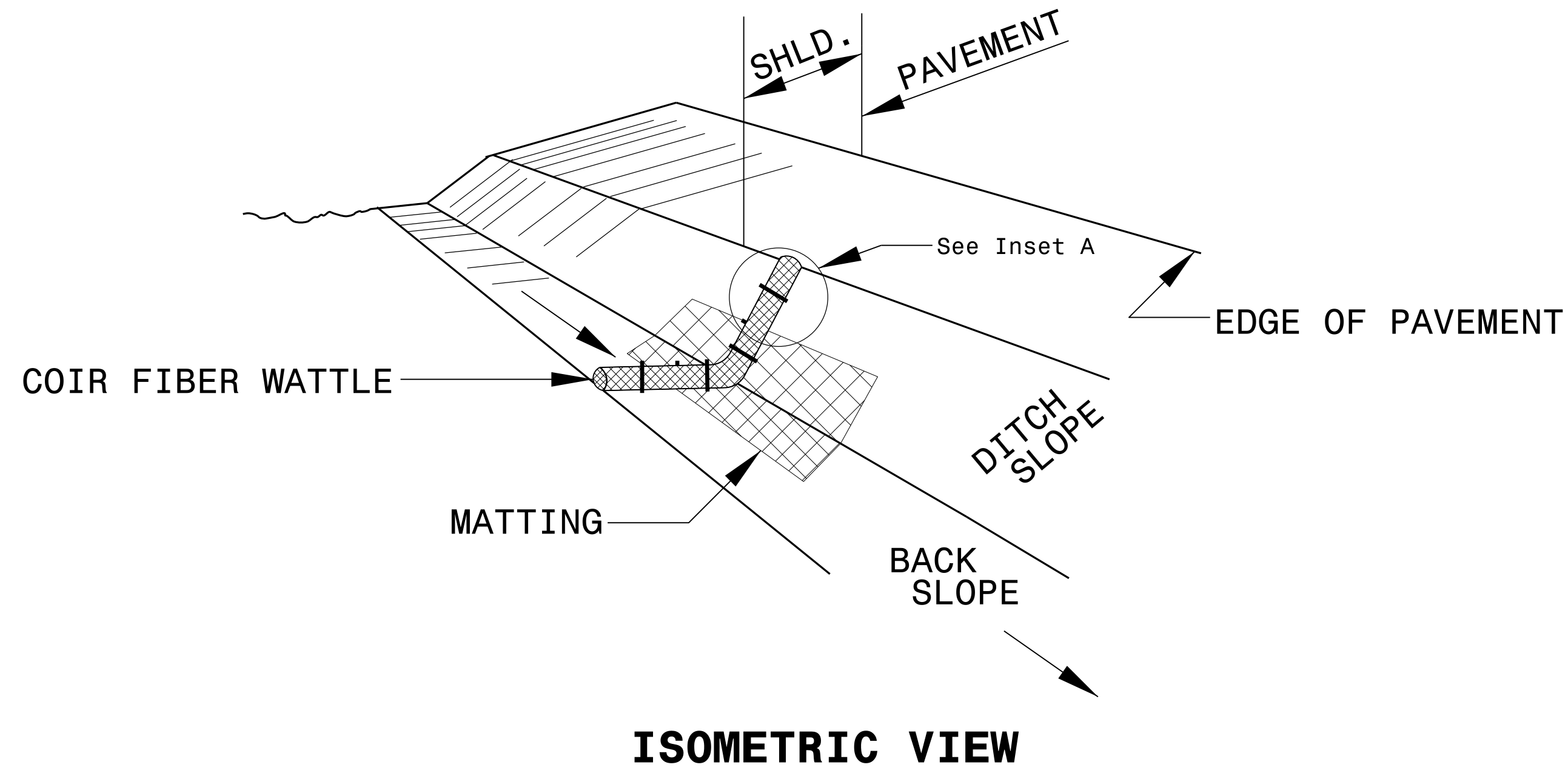


BL-7
N 244532.45
E 2054759.38
ELEV 121.66
39 + 66.49
17.41' RT -L-

BL-6
N 243929.18
E 2054889.76
ELEV 116.69
33 + 51.07
21.00' RT -L-

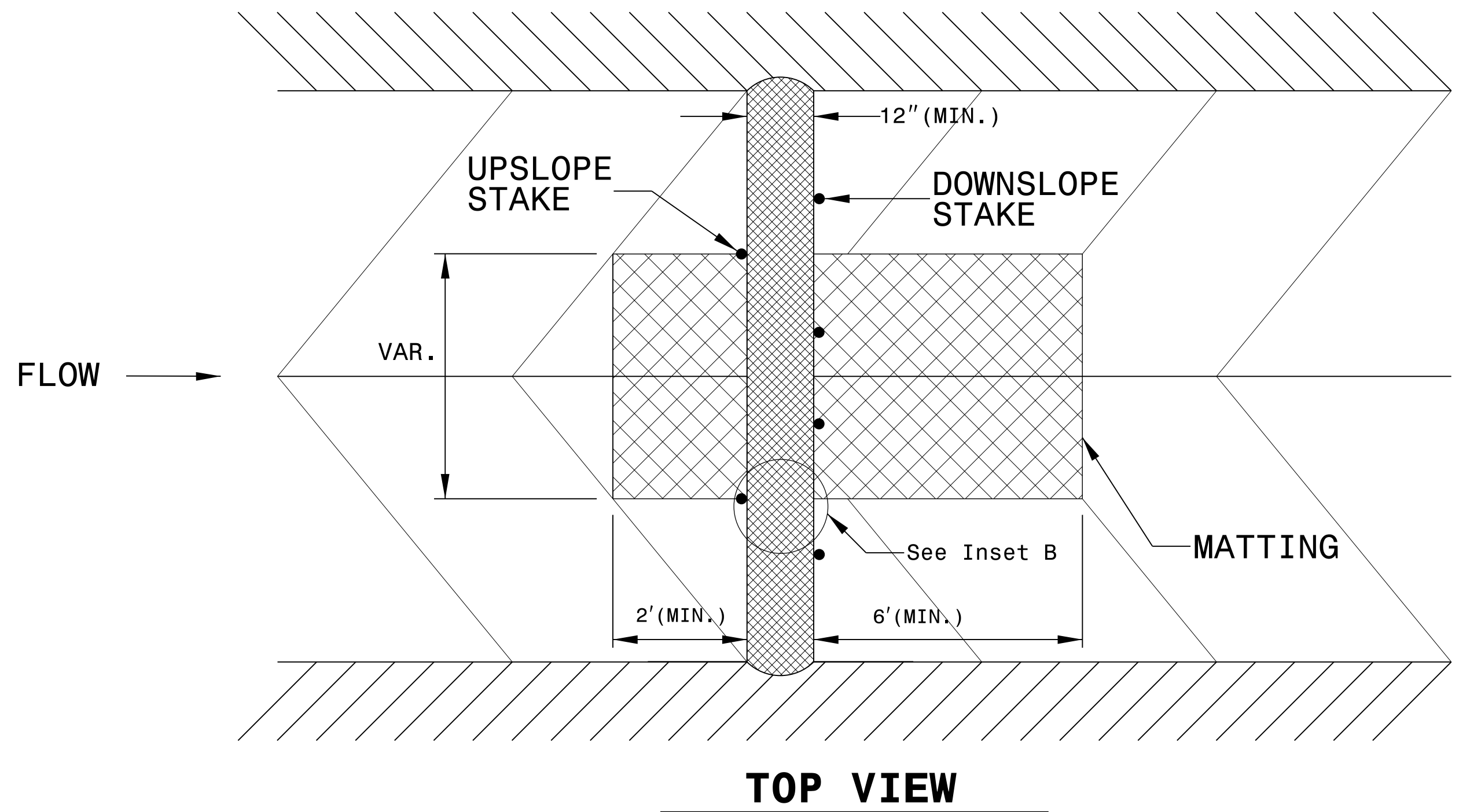
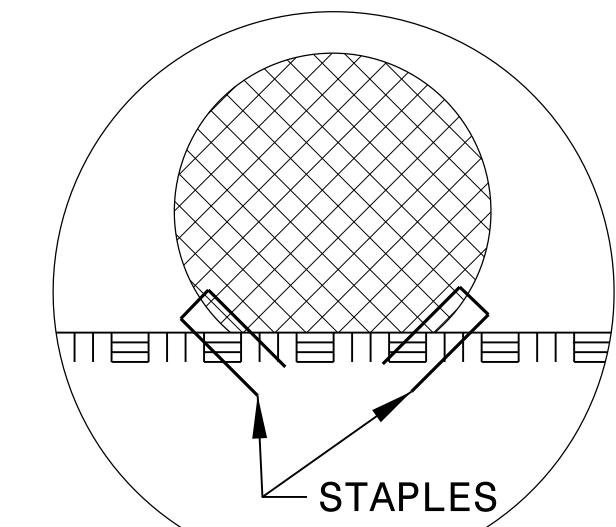
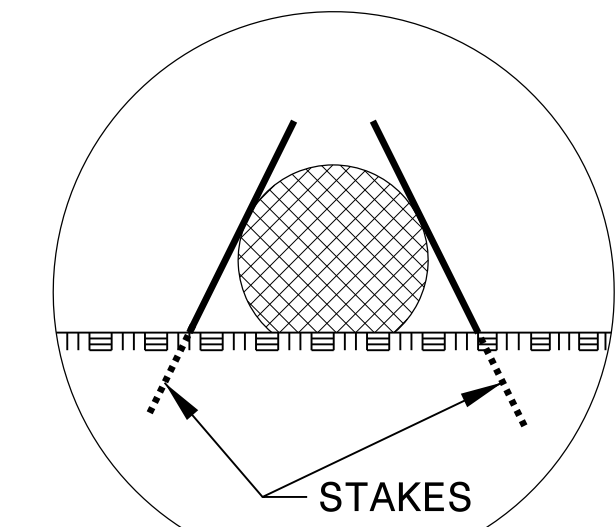
PROJECT REFERENCE NO. W-5706J	SHEET NO. EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

COIR FIBER WATTLE DETAIL



NOTES:

- USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE.
- USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.
- ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.
- INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.
- PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.
- INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.
- INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

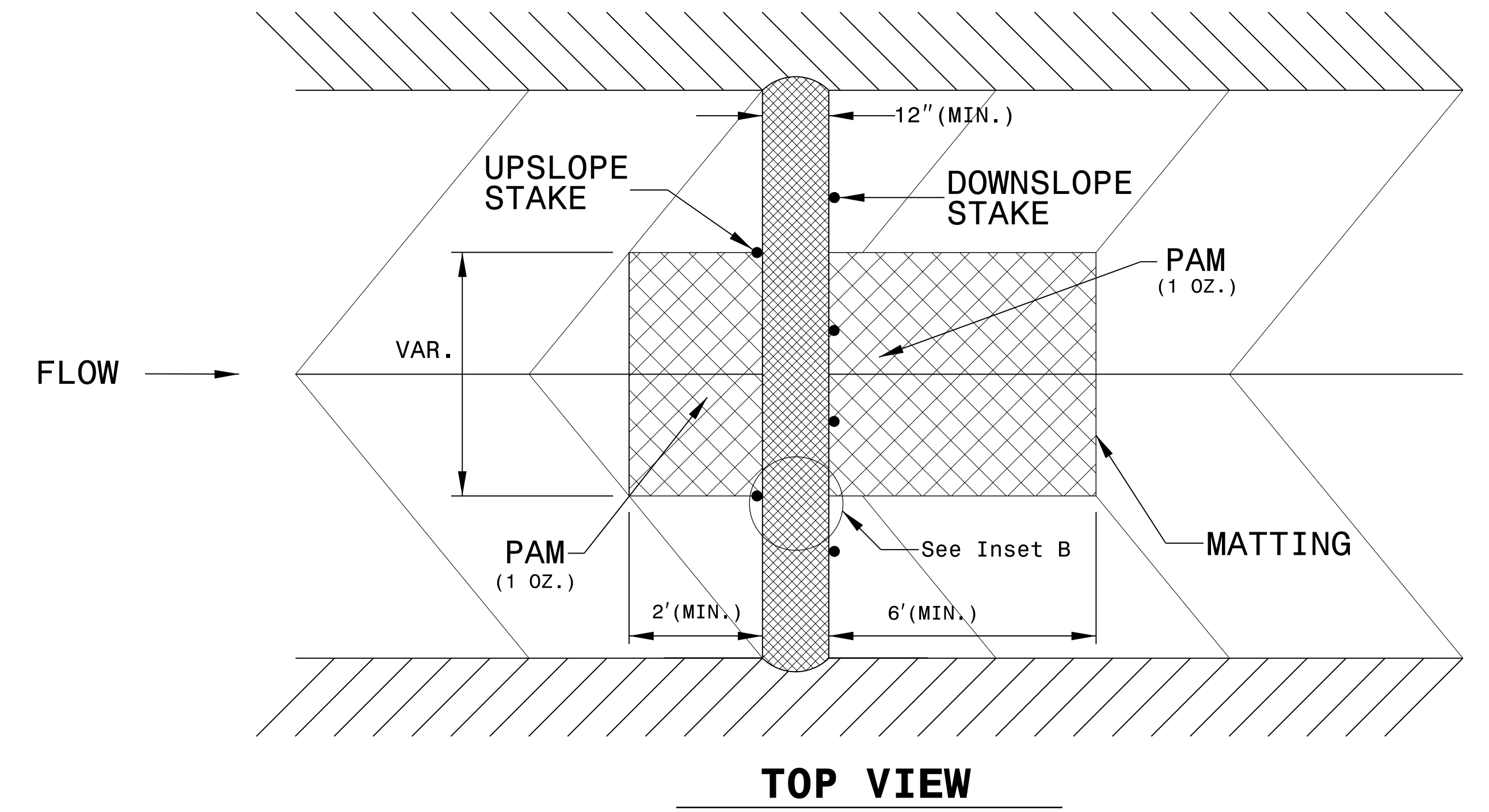
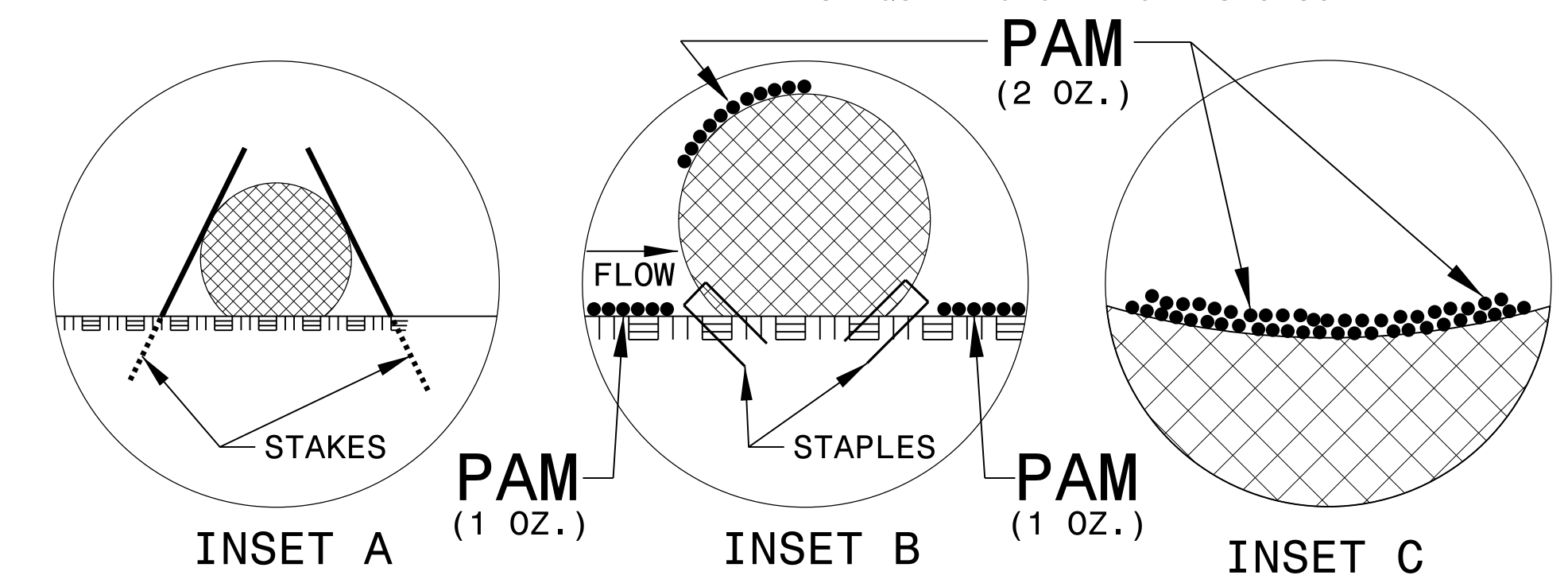
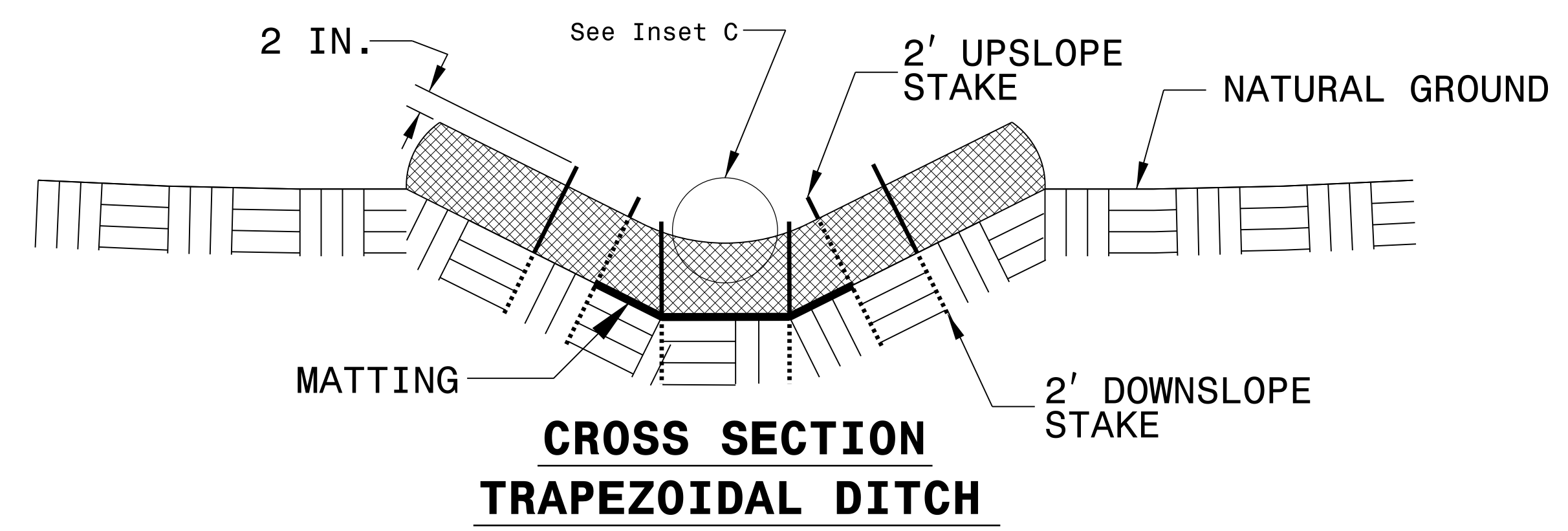
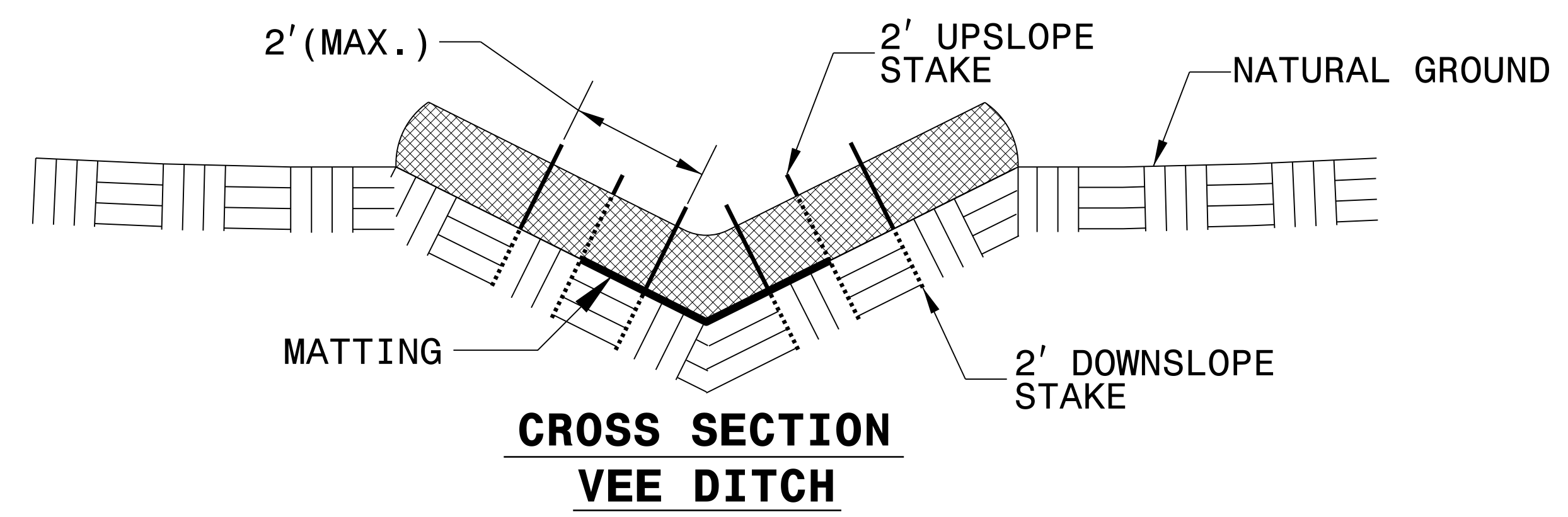
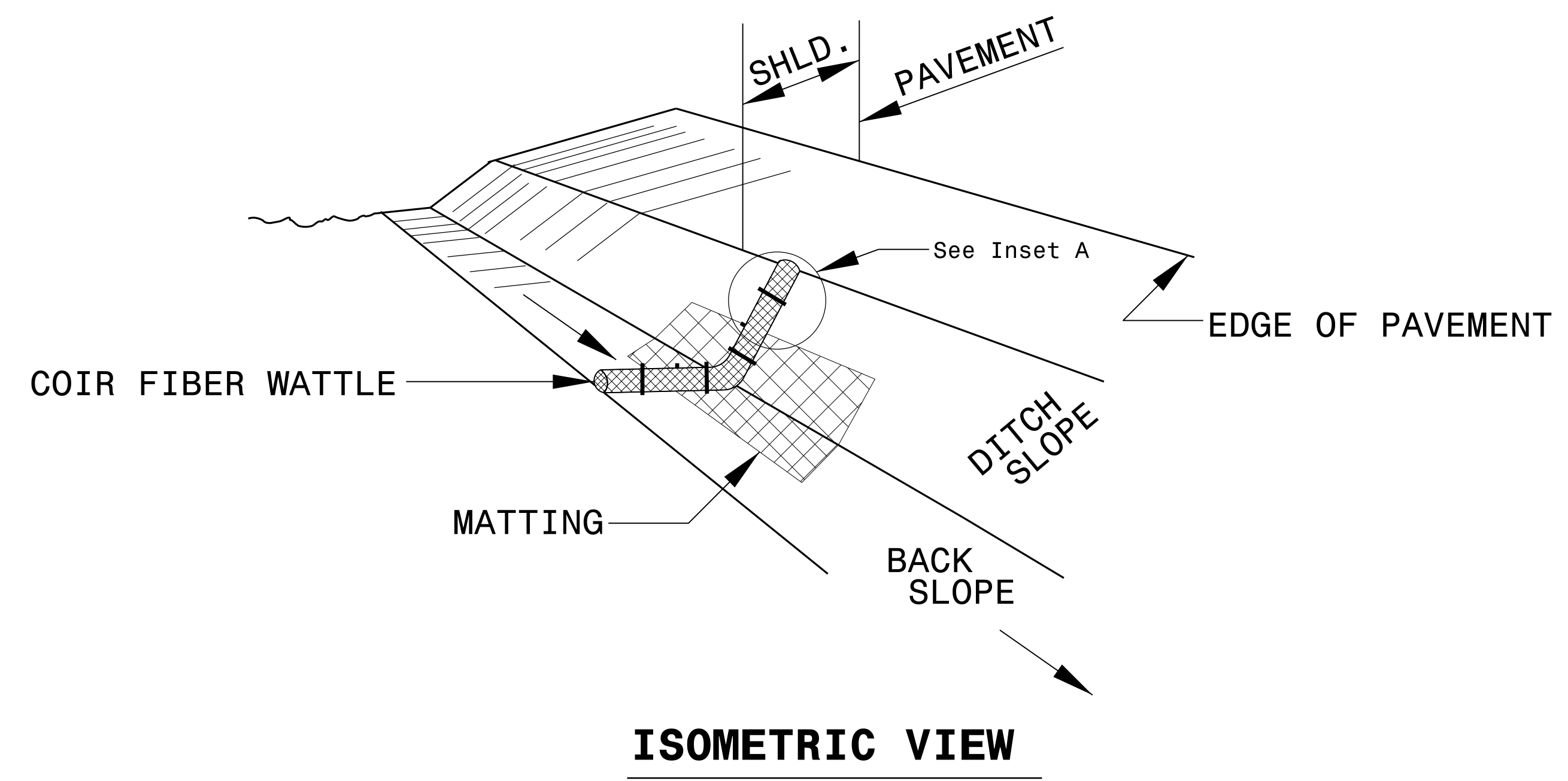


PROJECT REFERENCE NO. W-5706J	SHEET NO. EC-2B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

COIR FIBER WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL

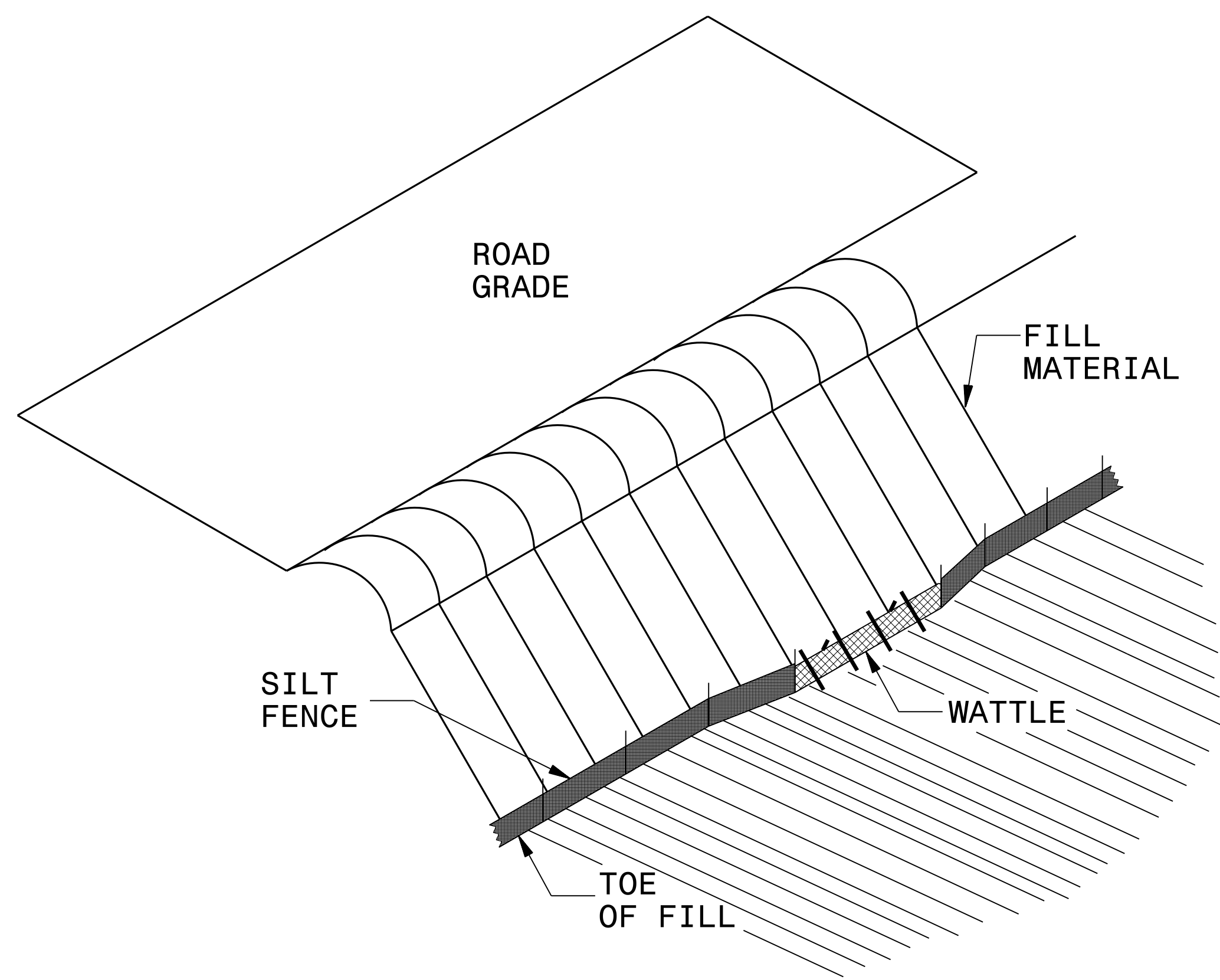
NOTES:

- USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE.
- USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.
- ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.
- INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.
- PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.
- INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.
- INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.
- PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.
- INITIALLY APPLY 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 1 OUNCE OF PAM ON MATTING ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.

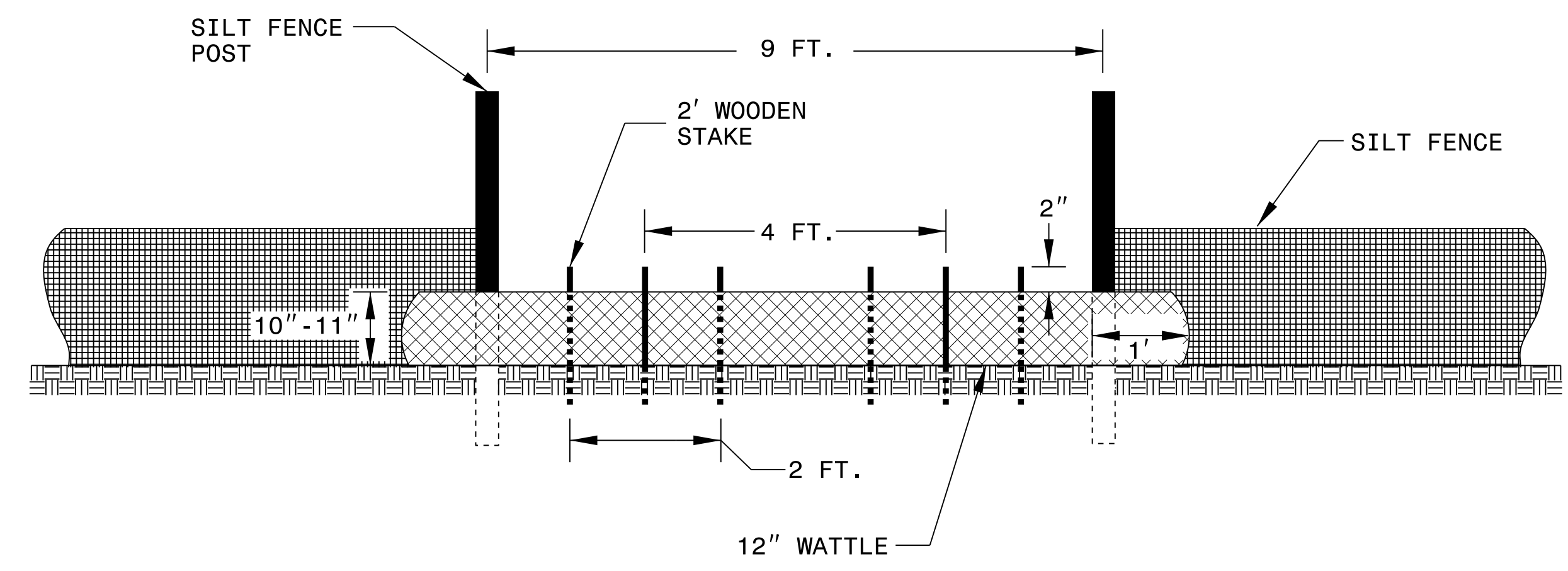


SILT FENCE COIR FIBER WATTLE BREAK DETAIL

PROJECT REFERENCE NO. W-5706J	SHEET NO. EC-2C
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



ISOMETRIC VIEW

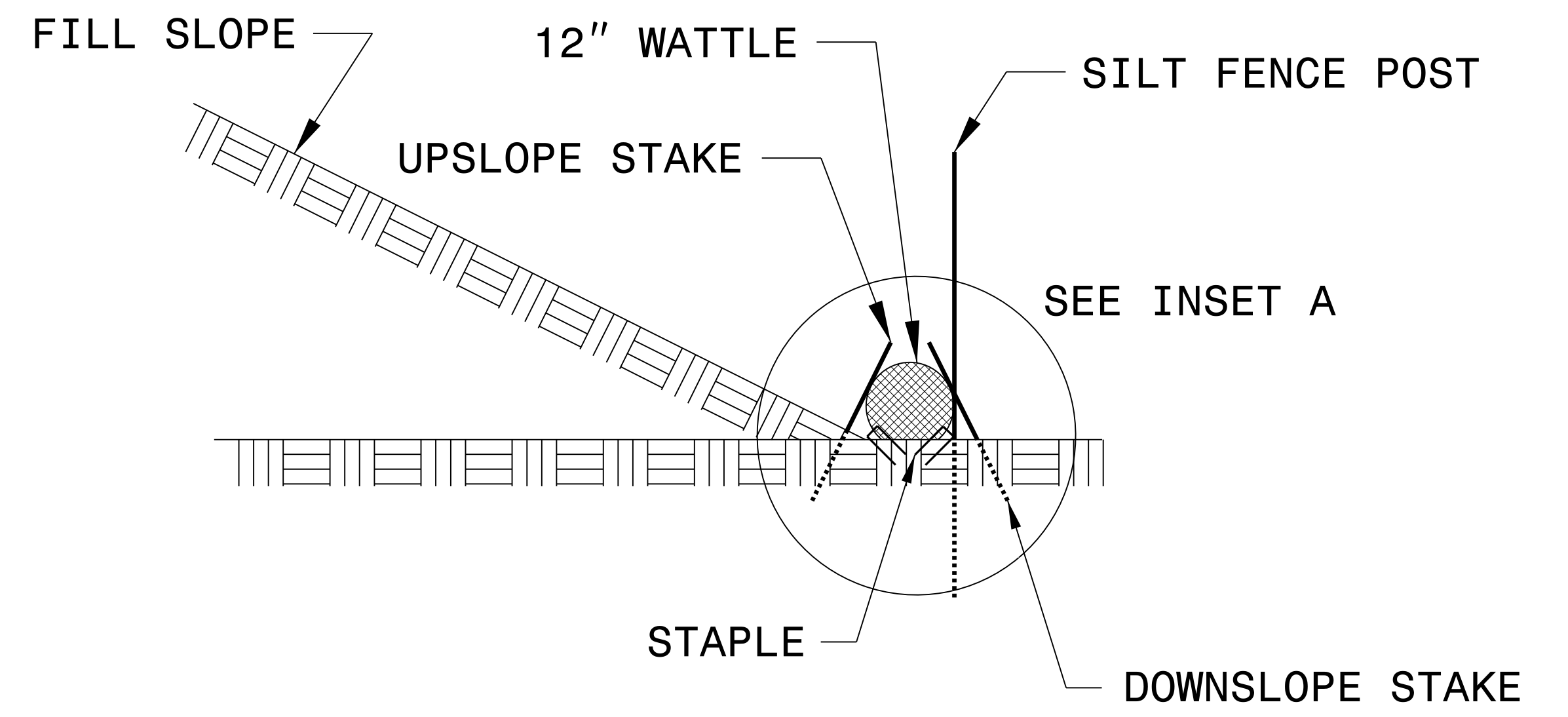
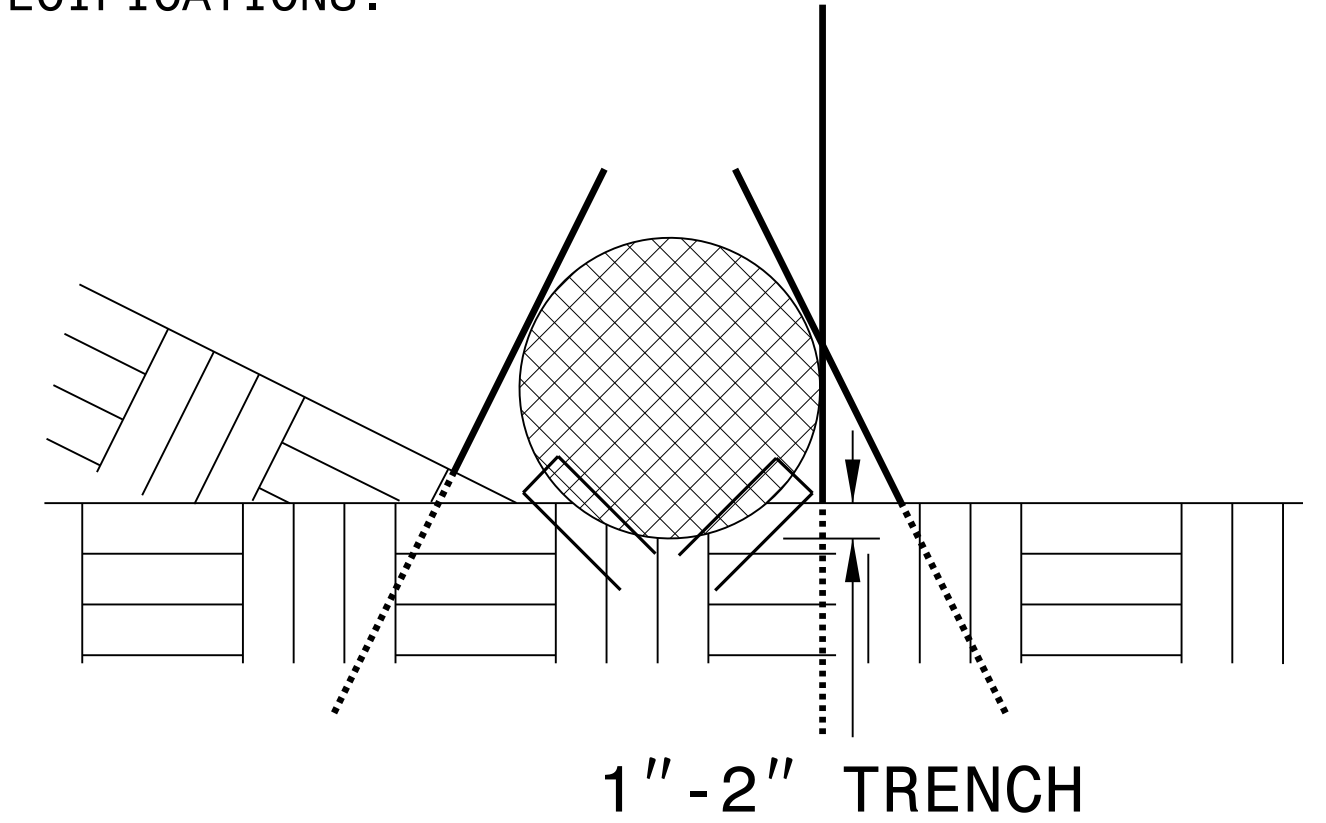


VIEW FROM SLOPE

NOTES:

- USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE AND LENGTH OF 10 FT.
- EXCAVATE A 1 TO 2 INCH TRENCH FOR WATTLE TO BE PLACED.
- DO NOT PLACE WATTLE ON TOE OF SLOPE.
- USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.
- INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO GROUND.
- PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.
- INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.
- WATTLE INSTALLATION CAN BE ON OUTSIDE OF THE SILT FENCE AS DIRECTED.
- INSTALL TEMPORARY SILT FENCE IN ACCORDANCE WITH SECTION 1605 OF THE STANDARD SPECIFICATIONS.

INSET A



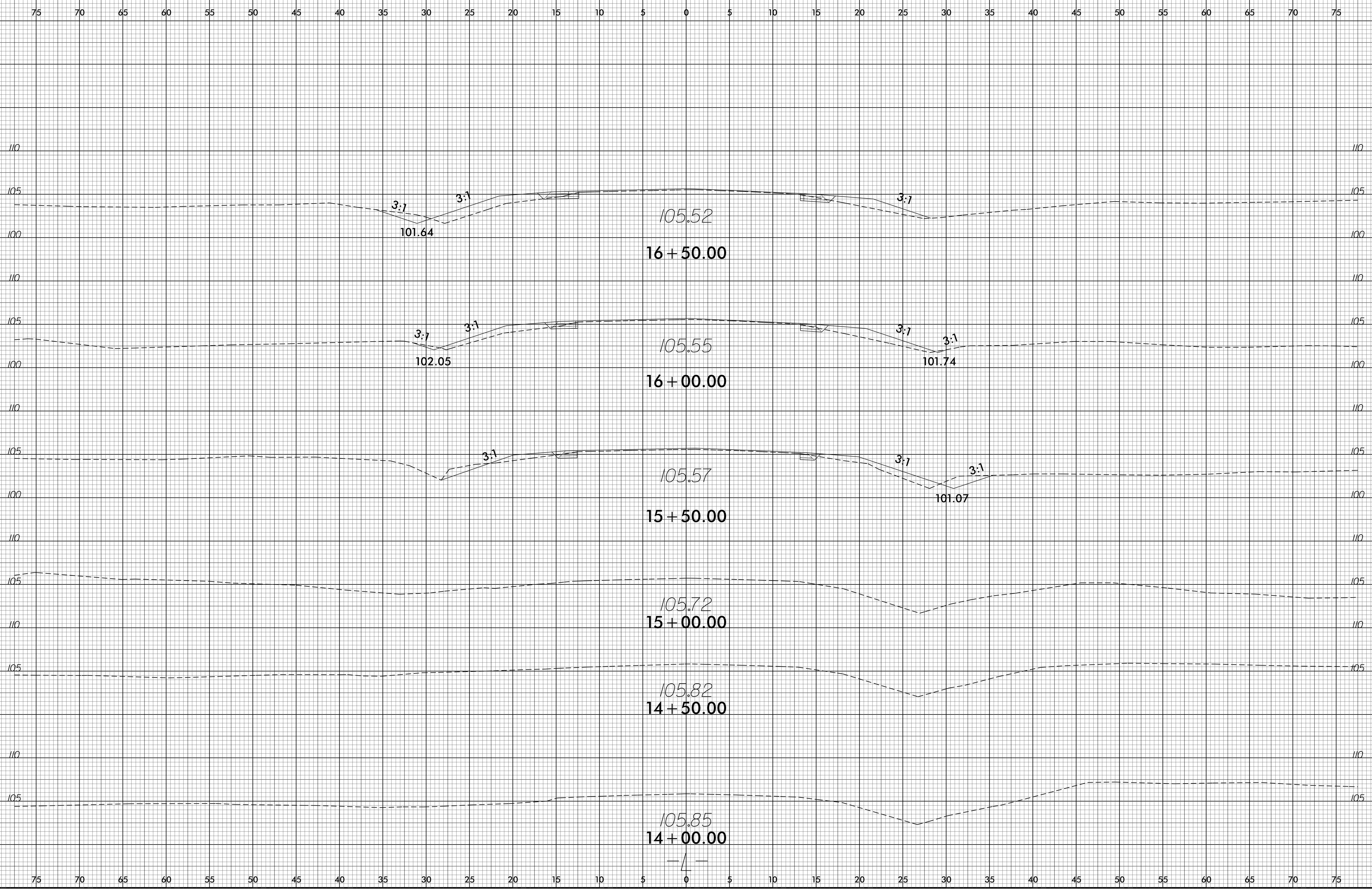
SIDE VIEW

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

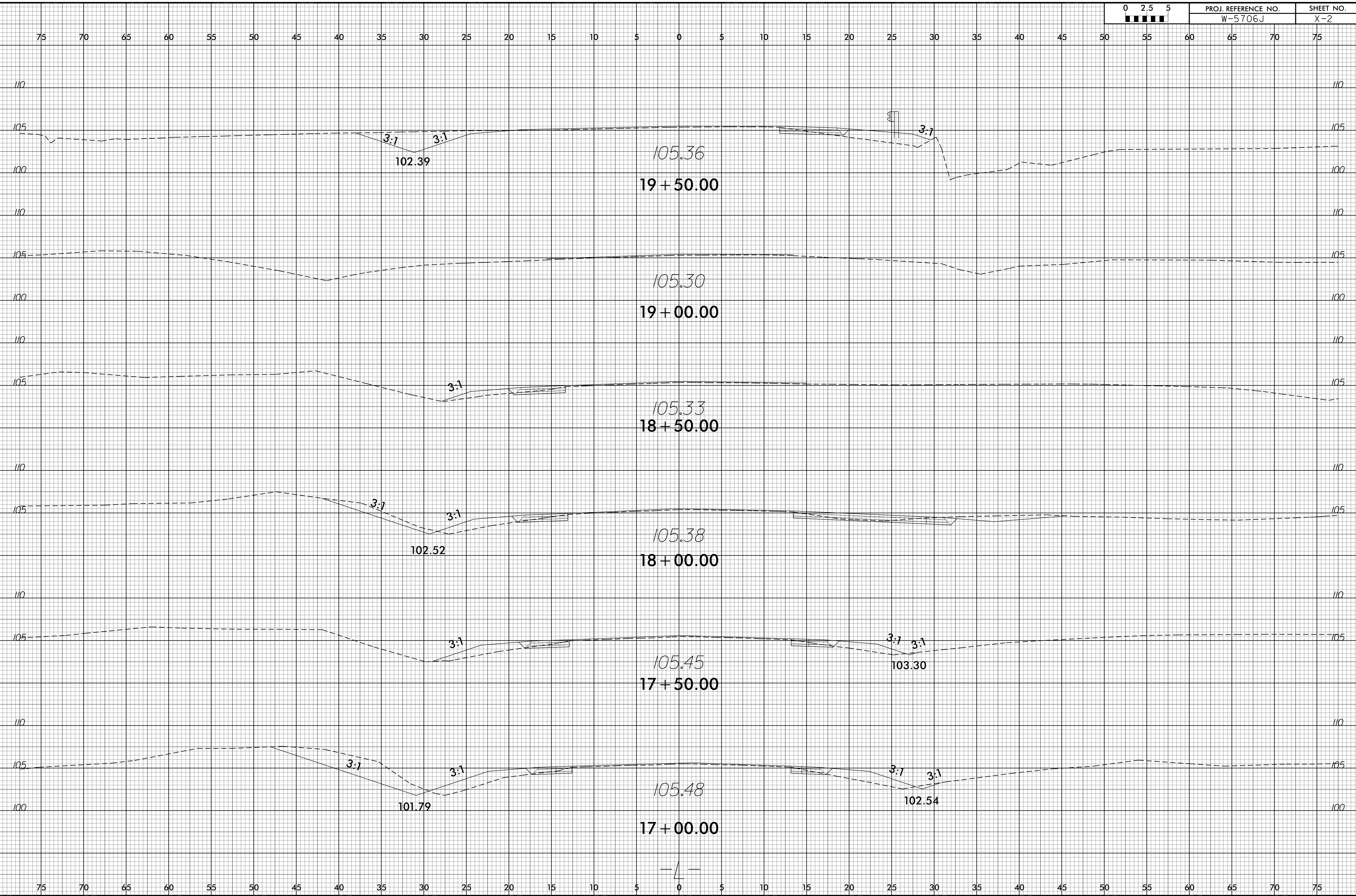
PROJECT REFERENCE NO. <i>W-5706J</i>	SHEET NO. <i>EC-3A</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SOIL STABILIZATION TIMEFRAMES

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.



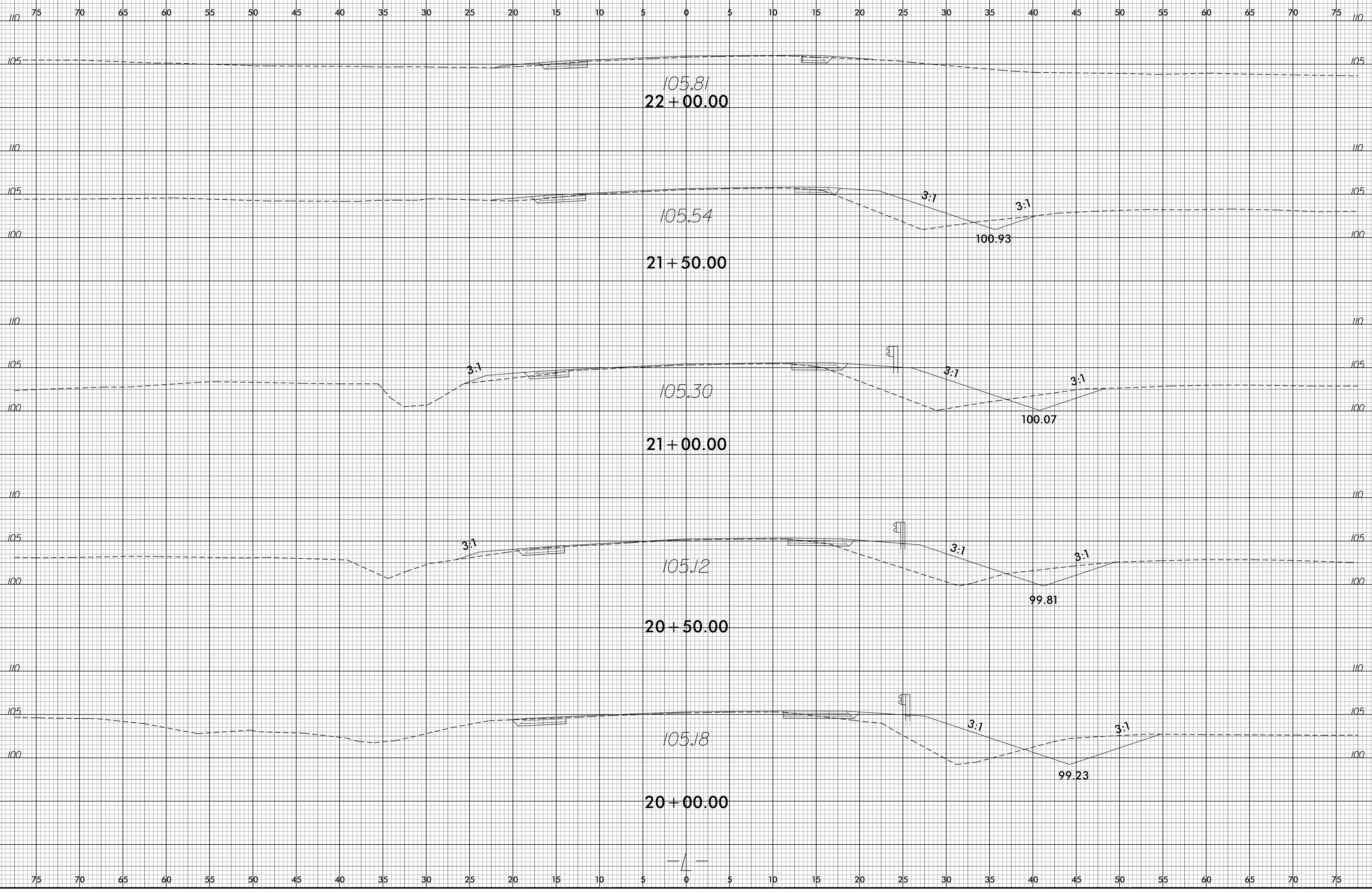
6/23/16



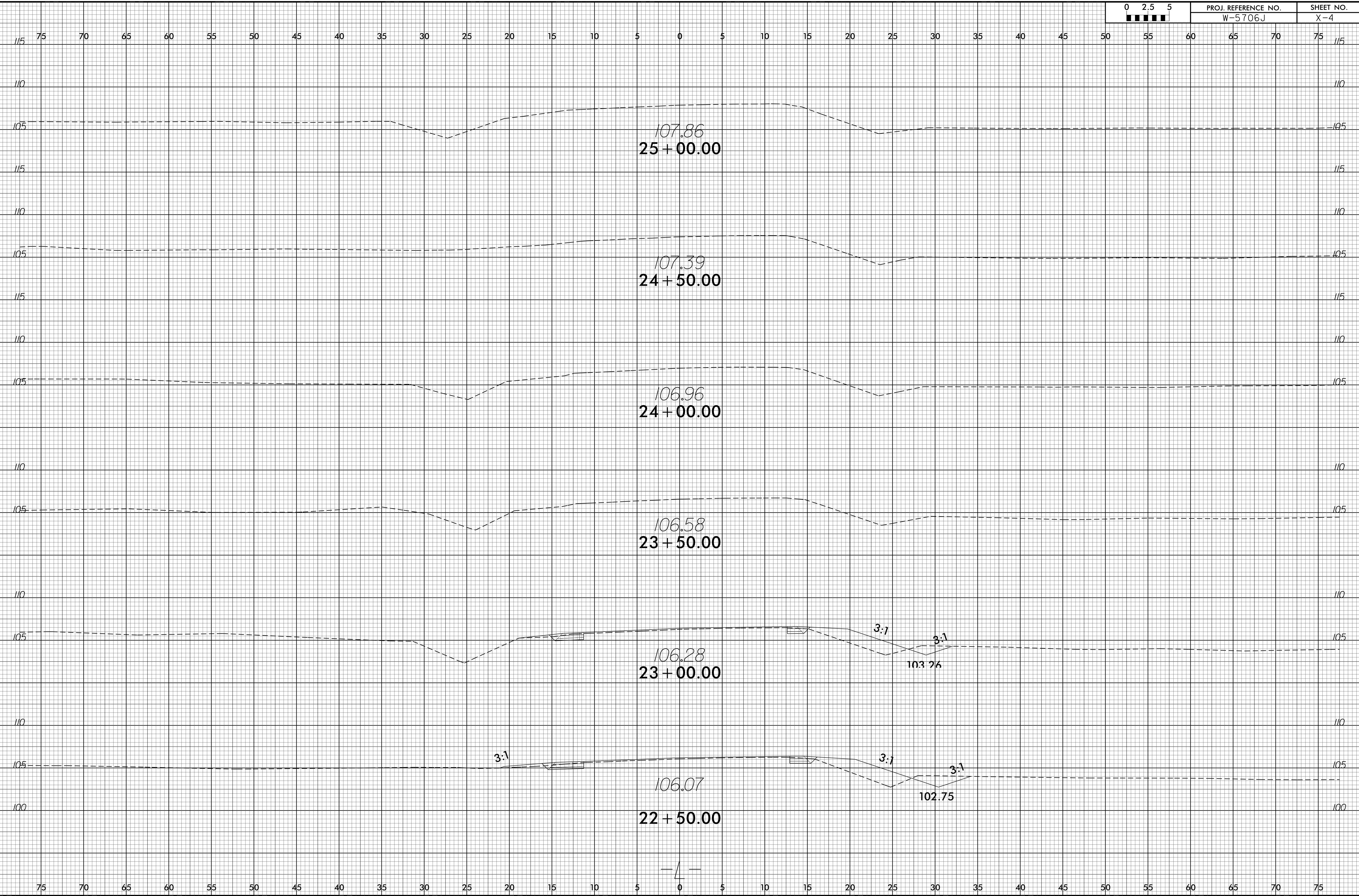
19-JAN-2022 8:05
 S:\D\C\DOC\Projects\W-5706J\W-5706J_Rdy_xpl.dgn
 \$\$\$USERNAME\$\$\$

6/23/16

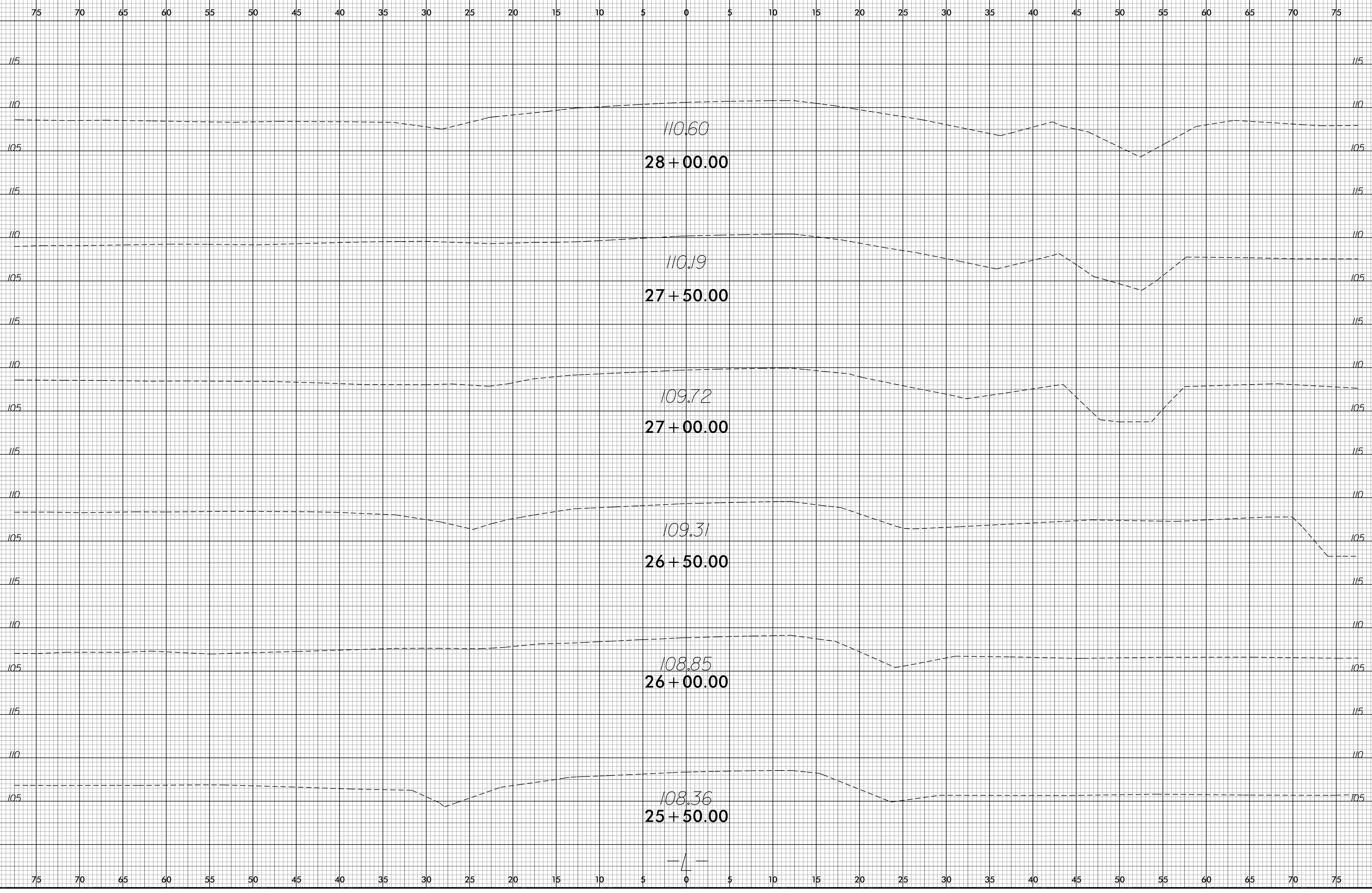
0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	W-5706J	X-3



19-JAN-2022 6:05 S:\DUC\DOC\Projects\W-5706J\NC 410 at Old Lumberton-Silver Spoon\Columbus\Roadway\Xsc\W-5706J_Rdy_xpl.dgn

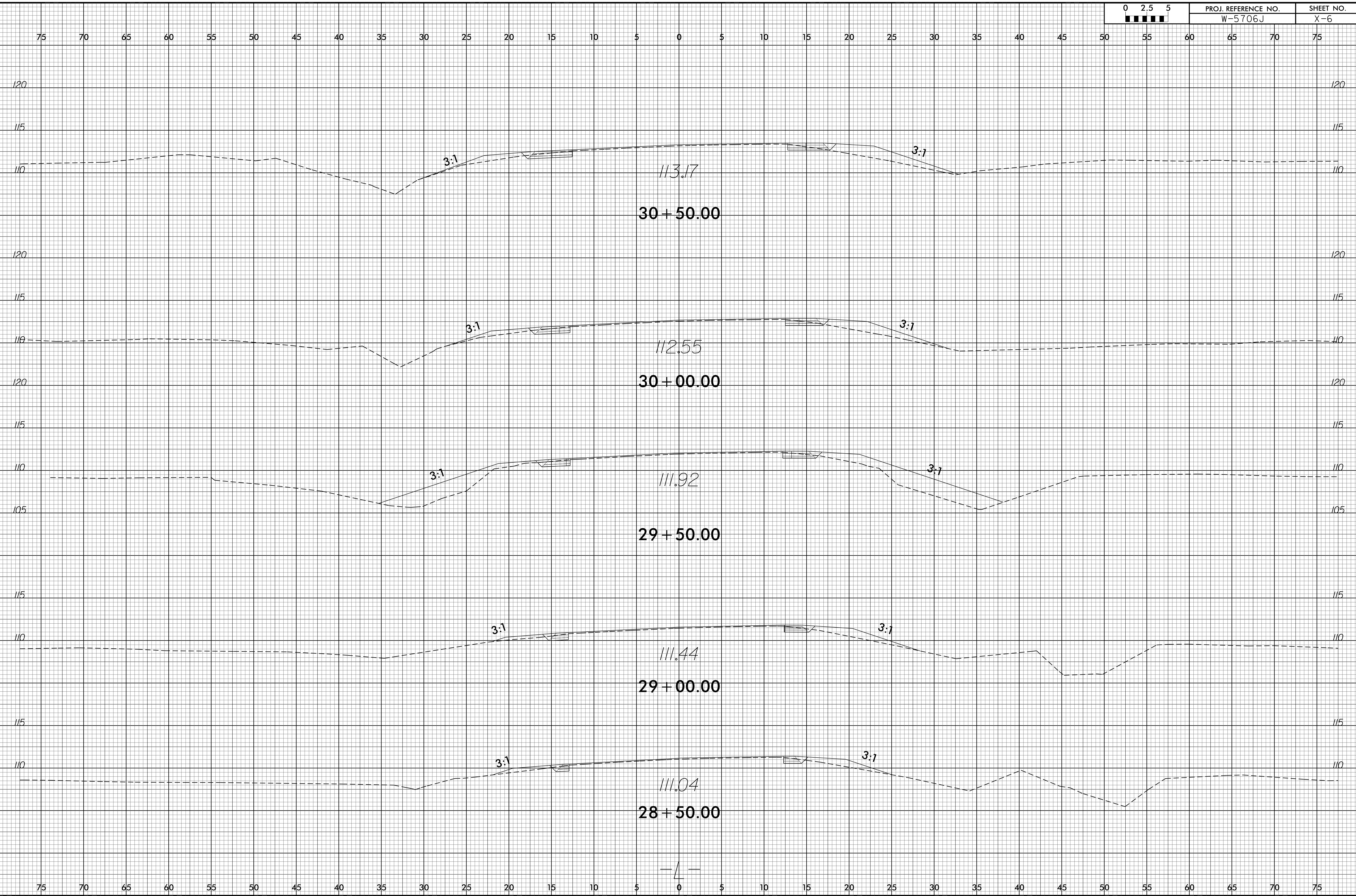


6/23/16



19-JAN-2022 6:07 S:\D\C\DOC\Projects\W-5706J\NC 410 at Old Lumberton-Silver Spoon_Columbia\Roadway\Xsc\W-5706J_Rdy_xpl.dgn

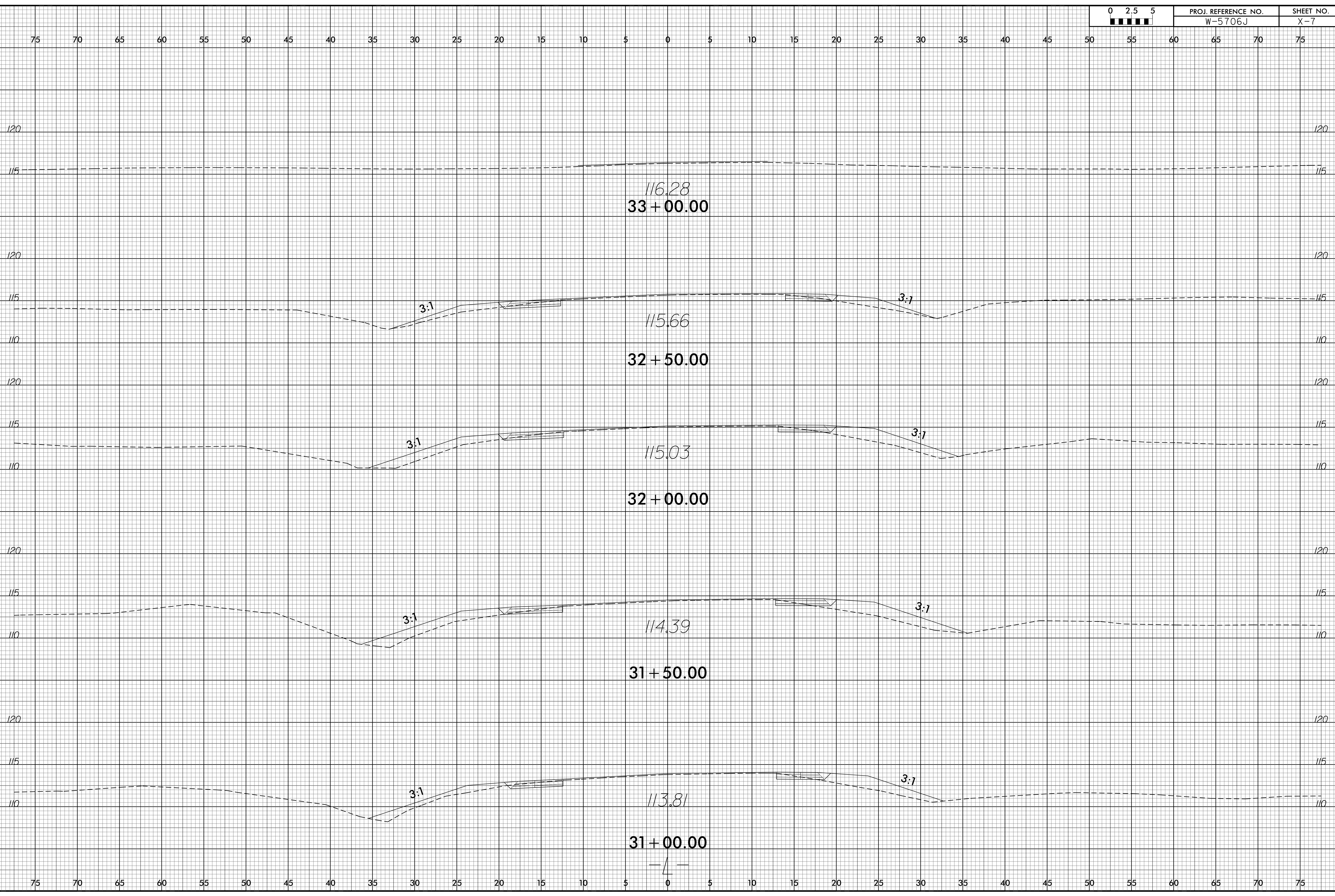
6/23/16



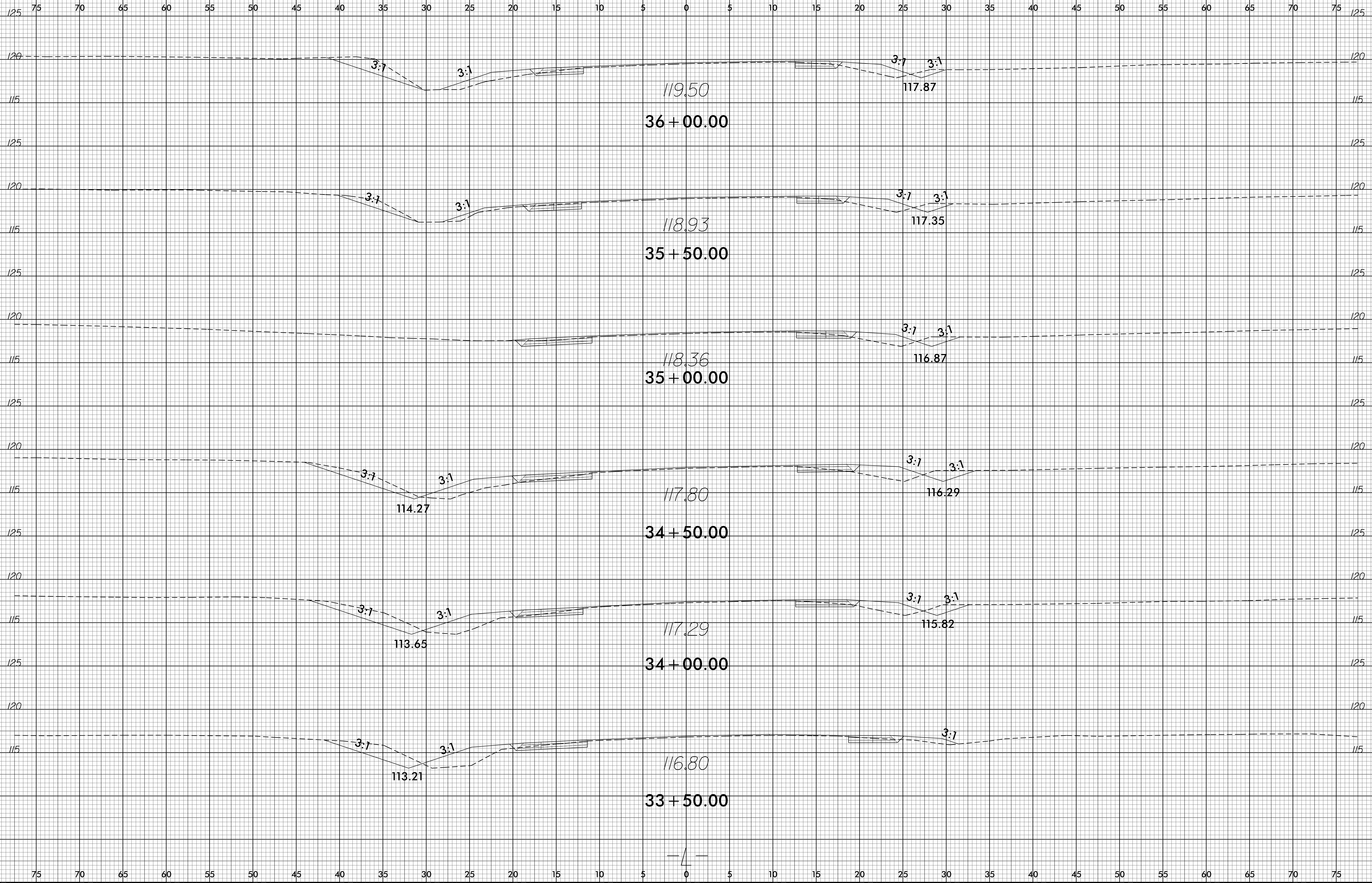
19-JAN-2022 6:07 S:\DUC\DOC\Projects\W-5706J\NC 410 at Old Lumberton-Silver Spoon_Columbus\Roadway\Xsec\W-5706J_Rdy_xpl.dgn

19-JAN-2022 8:07
S:\DUC\DOC\Projects\W-5706J\W-5706J_NC_410 at Old Lumberton-Silver Spoon_Columbia Roadway\XSC\W-5706J_Rdy_xpl.dgn

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
█ █ █ █ █	W-5706J	X-7

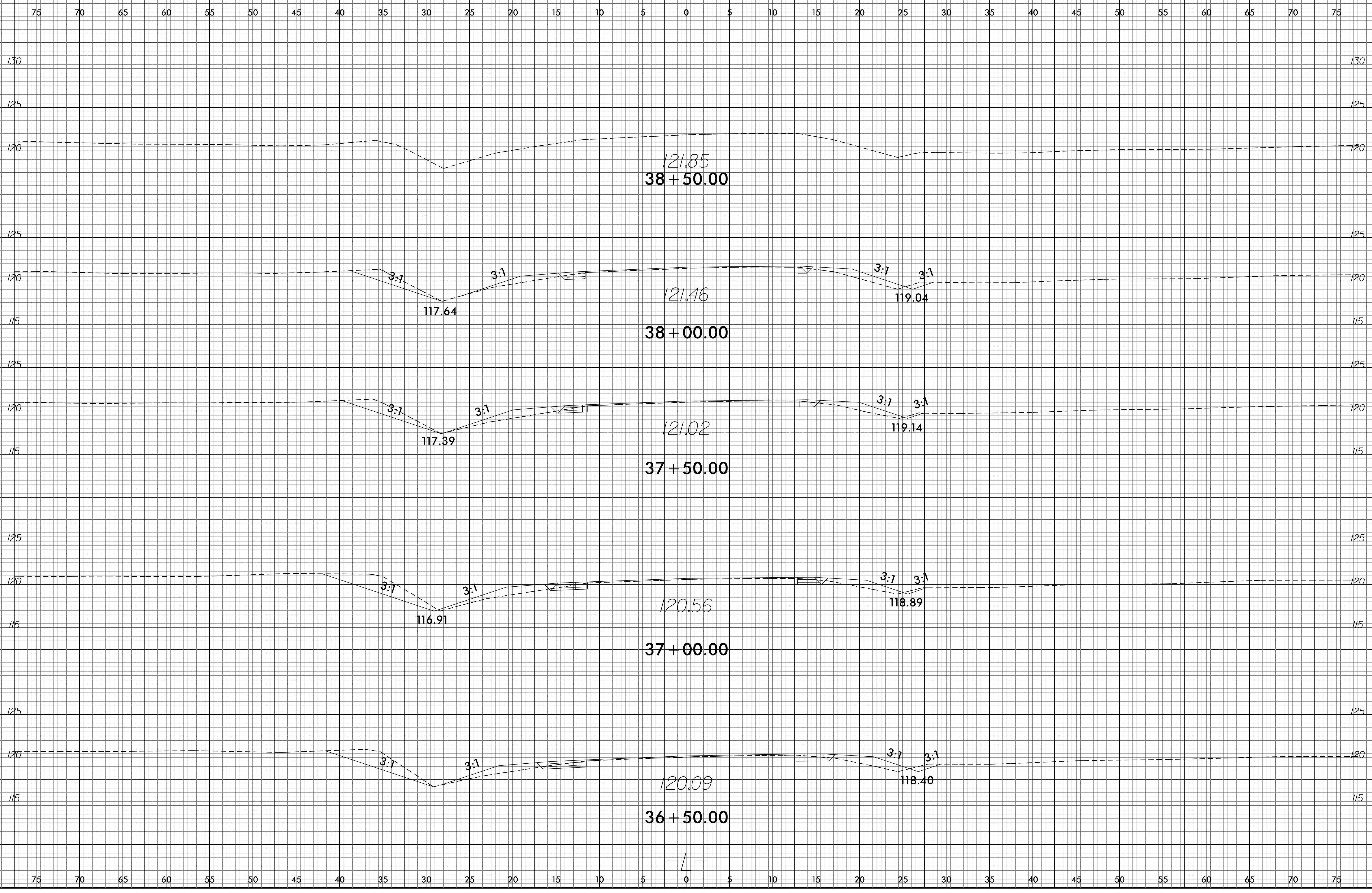


6/23/16

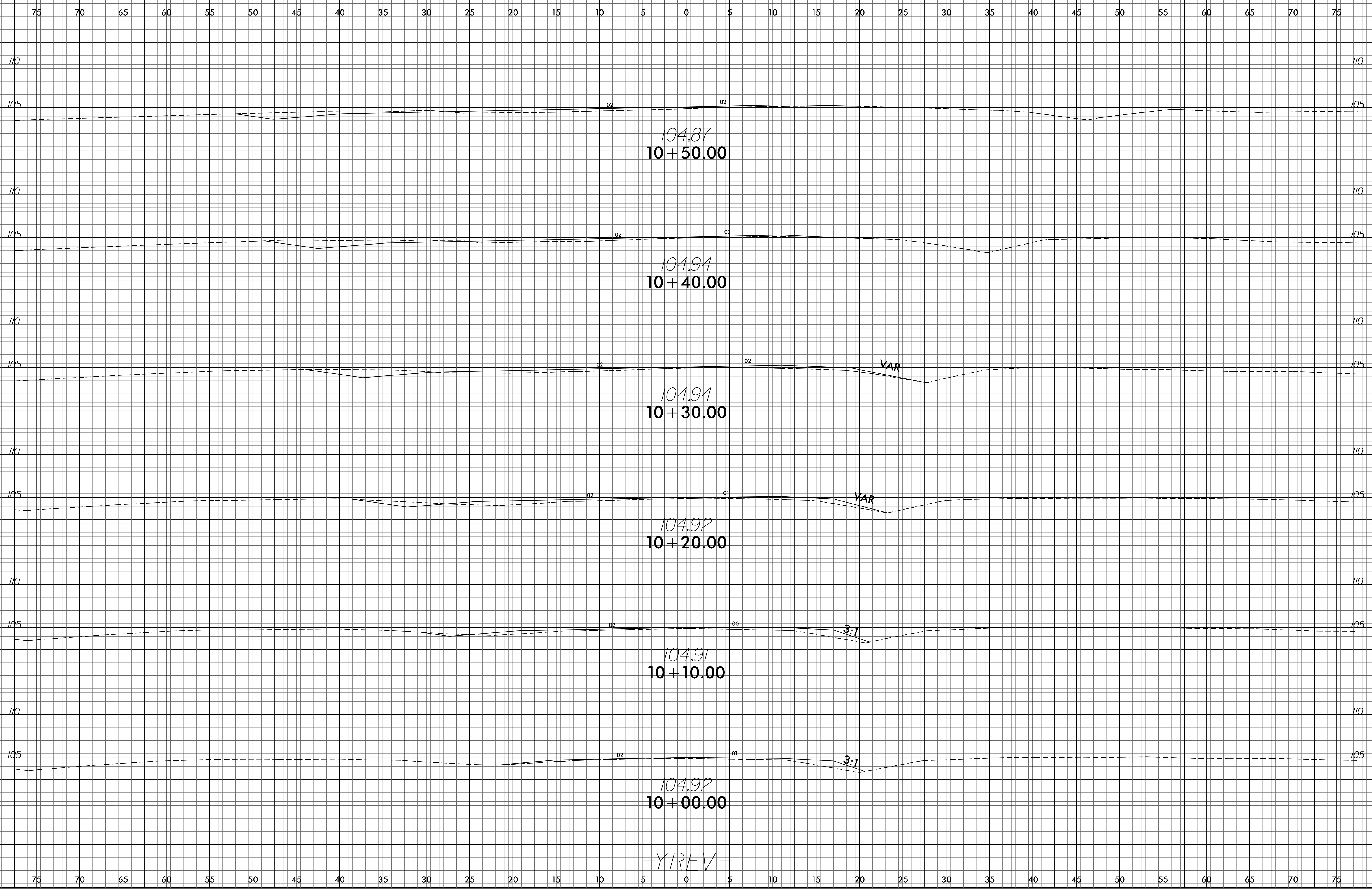


19-JAN-2022 6:08 S:\DUC\DOC\Projects\W-5706J\W-5706J_Rdy_xpl.dgn

6/23/16



19-JAN-2022 6:08 S:\D\C\DOC\Projects\W-5706J\NC 410 at Old Lumberton-Silver Spoon_Columbus\Roadway\Xsc\W-5706J_Rdy_xpl.dgn



-YREV-

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

