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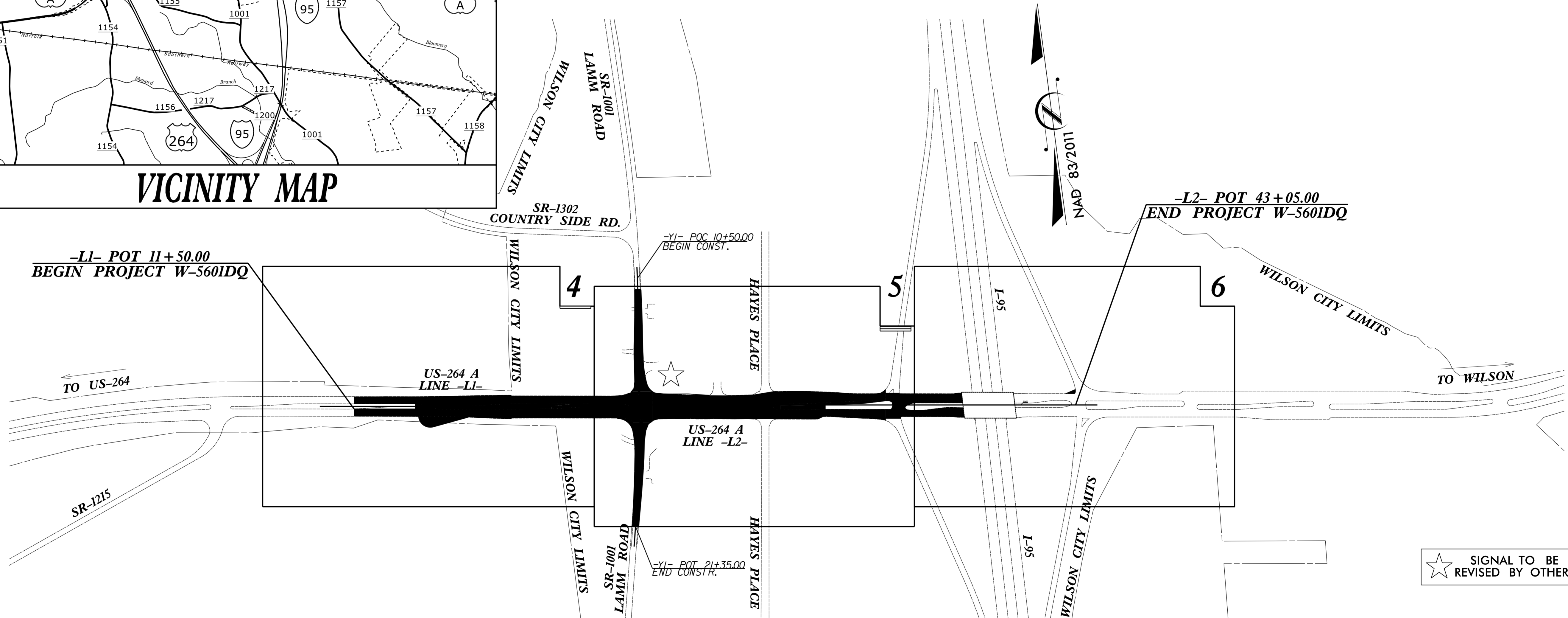
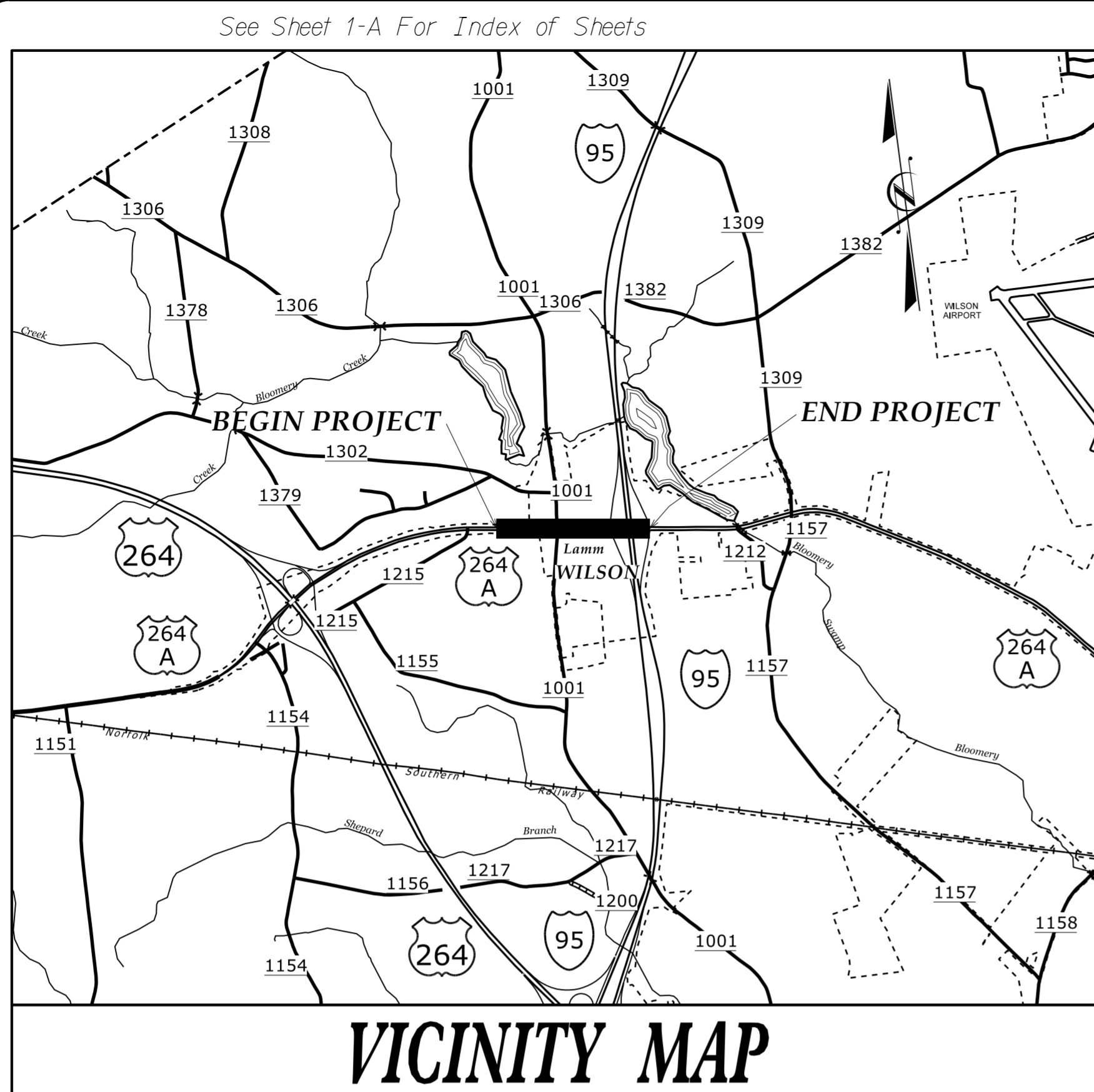
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W-5601DQ	1	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
50138.1.122	HSIP-0264(061)	PE	
50138.2.122	HSIP-0264(061)	RW & UTILITY	
50138.3.122	HSIP-0264(061)	CONST	

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

WILSON COUNTY

LOCATION: US-264 ALTERNATE (RALEIGH ROAD PARKWAY) AT HAYES PLACE AND MEDIAN CROSSOVER 900 FEET WEST OF SR-1001 (LAMM ROAD).

TYPE OF WORK: GRADING, DRAINAGE AND PAVING

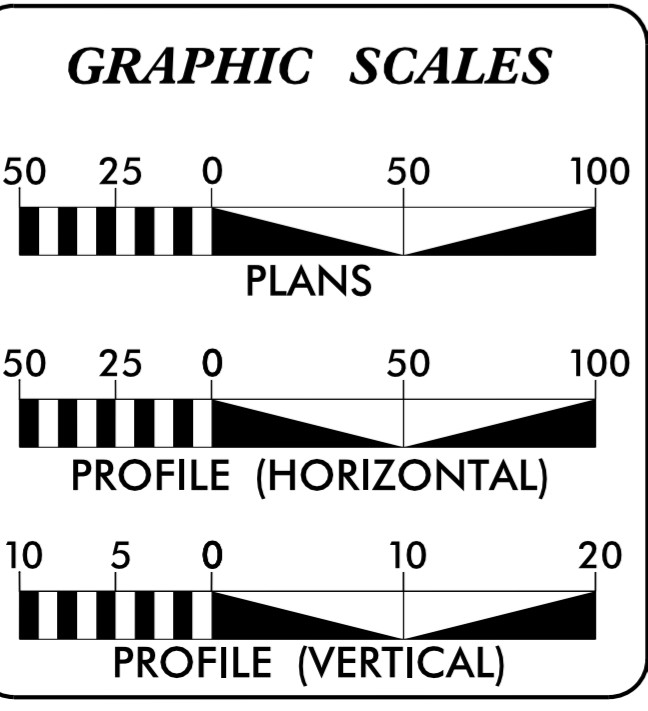


★ SIGNAL TO BE REVISED BY OTHERS

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TIP PROJECT: W-5601DQ

CONTRACT: DD00265



DESIGN DATA
ADT 2015 = 17000

V = 50 MPH

FUNC CLASS =
MINOR ARTERIAL
REGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT W-5601DQ = 0.598 MILES
TOTAL LENGTH TIP PROJECT W-5601DQ = 0.598 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS
Division 4 DDC
509 Ward Blvd., Wilson NC, 27895

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
FEBRUARY 9, 2018

LETTING DATE:
NOVEMBER 27, 2018

RONNIE KEETER, PE
PROJECT ENGINEER

D.R. ETHRIDGE
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

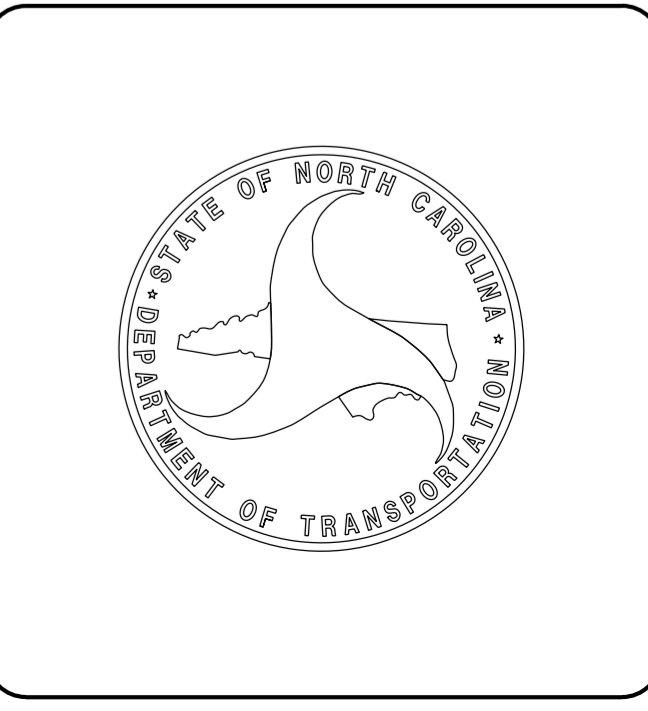
10/2/2018

DocuSigned by:
Benjamin J. Henegar
87229C137211420E
SIGNATURE:

ROADWAY DESIGN ENGINEER

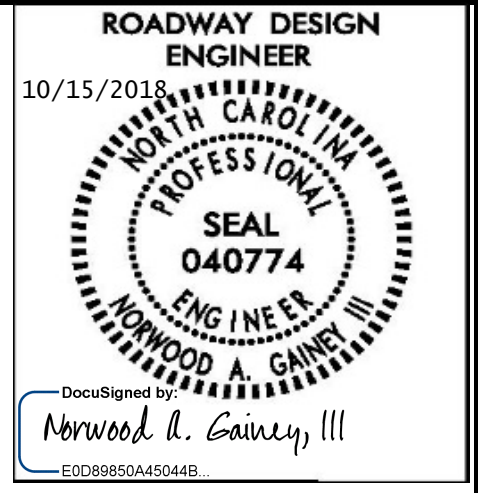
10/2/2018

DocuSigned by:
Norwood A. Gaine, III
E039865045348
SIGNATURE:



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STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS



SHEET NUMBER	INDEX OF SHEETS SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND LIST OF STANDARD DRAWINGS
1B	CONVENTIONAL SYMBOLS
1C-1 THRU 1C-3	SURVEY CONTROL SHEET
2A-1 THRU 2A-4	PAVEMENT SCHEDULE AND TYPICAL SECTIONS
2C-1	SPECIAL DETAIL - CONCRETE FLUME IN 2'-6" C&G
2C-2	SPECIAL DETAILS - MINIMUM DEPTH CONCRETE CATCH BASIN
3B-1	ROADWAY SUMMARIES - DRAINAGE, EARTHWORK, PARCEL INDEX, PAVEMENT REMOVAL AND MILLING.
3D-1	DRAINAGE SUMMARIES
4 THRU 6	PLAN SHEET
7 THRU 9	PROFILE SHEET
TMP-1 THRU TMP-5	TRANSPORTATION MANAGEMENT PLANS
PM-1 THRU PM-3	PAVEMENT MARKING PLANS
EC-1 THRU EC-9	EROSION CONTROL PLANS
SIGN-1 THRU SIGN-6	SIGNING PLANS
X-1A	CROSS-SECTION SUMMARY
X-1 THRU X-14	CROSS-SECTIONS

2018 ROADWAY ENGLISH STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" HIGHWAY DESIGN BRANCH - N. C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N. C., DATED JANUARY, 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

- DIVISION 2 - EARTHWORK
 - 200.03 METHOD OF CLEARING - METHOD III
 - 225.02 GUIDE FOR GRADING SUBGRADE - SECONDARY AND LOCAL
- DIVISION 3 - PIPE CULVERTS
 - 300.01 METHOD OF PIPE INSTALLATION
 - 310.10 DRIVEWAY PIPE CONSTRUCTION
- DIVISION 5 - SUBGRADE, BASES AND SHOULDERS
 - 560.01 METHOD OF SHOULDER CONSTRUCTION - HIGH SIDE OF SUPERELEVATED CURVE - METHOD I
- DIVISION 6 - ASPHALT BASES AND PAVEMENTS
 - 654.01 PAVEMENT REPAIRS
- DIVISION 8 - INCIDENTALS
 - 806.01 CONCRETE RIGHT-OF-WAY MARKER
 - 806.02 GRANITE RIGHT-OF-WAY MARKER
 - 840.00 CONCRETE BASE PAD FOR DRAINAGE STRUCTURES
 - 840.03 FRAME, GRATES AND HOOD - FOR USE ON STANDARD CATCH BASIN
 - 840.14 CONCRETE DROP INLET - 12" THRU 30" PIPE
 - 840.15 BRICK DROP INLET - 12" THRU 30" PIPE
 - 840.16 DROP INLET FRAME AND GRATES - FOR USE WITH STD. DWG 840.14 AND 840.15
 - 840.18 CONCRETE GRATED DROP INLET TYPE 'B' - 12" THRU 36" PIPE
 - 840.19 CONCRETE GRATED DROP INLET TYPE 'D' - 12" THRU 36" PIPE
 - 840.24 FRAMES AND NARROW SLOT SAG GRATES
 - 840.25 ANCHORAGE FOR FRAMES - BRICK OR CONCRETE OR PRECAST
 - 840.27 BRICK GRATED DROP INLET TYPE 'B' - 12" THRU 36" PIPE
 - 840.28 BRICK GRATED DROP INLET TYPE 'D' - 12" THRU 36" PIPE
 - 840.34 TRAFFIC BEARING JUNCTION BOX - FOR USE WITH PIPES 42" AND UNDER
 - 840.45 PRECAST DRAINAGE STRUCTURE
 - 840.46 TRAFFIC BEARING PRECAST DRAINAGE STRUCTURE
 - 840.54 MANHOLE FRAME AND COVER
 - 840.66 DRAINAGE STRUCTURE STEPS
 - 840.71 CONCRETE AND BRICK PIPE PLUG
 - 840.72 PIPE COLLAR
 - 846.01 CONCRETE CURB, GUTTER AND CURB & GUTTER
 - 848.02 DRIVEWAY TURNOUT - RADIUS TYPE
 - 852.01 CONCRETE ISLANDS
 - 852.06 METHOD FOR PLACEMENT OF DROP INLETS IN CONCRETE ISLANDS
 - 876.02 GUIDE FOR RIP RAP AT PIPE OUTLETS
 - 876.04 DRAINAGE DITCHES WITH CLASS 'B' RIP RAP

GENERAL NOTES: 2018 SPECIFICATIONS

- GRADE LINE:**
GRADING AND SURFACING OR RESURFACING AND WIDENING:
 THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. WHERE NO GRADE LINES ARE SHOWN, THE PROFILES SHOWN DENOTE THE TOP ELEVATION OF THE EXISTING PAVEMENT ALONG THE CENTER LINE OF SURVEY ON WHICH THE PROPOSED RESURFACING WILL BE PLACED. GRADE LINES MAY BE ADJUSTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.
- CLEARING:**
 CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.
- SHOULDER CONSTRUCTION:**
 ASPHALT, EARTH, AND CONCRETE SHOULDER CONSTRUCTION ON THE HIGH SIDE OF SUPERELEVATED CURVES SHALL BE IN ACCORDANCE WITH STD. NO. 560.01
- SIDE ROADS:**
 THE CONTRACTOR WILL BE REQUIRED TO DO ALL NECESSARY WORK TO PROVIDE SUITABLE CONNECTIONS WITH ALL ROADS, STREETS, AND DRIVES ENTERING THIS PROJECT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PARTICULAR ITEMS INVOLVED.
- DRIVEWAYS:**
 DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. 848.02 USING 3 FOOT RADII OR RADII AS SHOWN ON THE PLANS. LOCATIONS OF DRIVES WILL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- STREET TURNOUT:**
 STREET RETURNS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 848.04 USING THE RADII NOTED ON PLANS.
- TEMPORARY SHORING:**
 SHORING REQUIRED FOR THE MAINTENANCE OF TRAFFIC WILL BE PAID FOR AS "EXTRA WORK" IN ACCORDANCE WITH SECTION 104-7.
- SUBSURFACE PLANS:**
 NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.
- UTILITIES:**
 UTILITY OWNERS ON THIS PROJECT ARE:
 SPECTRUM, CENTURYLINK, CITY OF WILSON (GAS) AND CITY OF WILSON (POWER).
- RIGHT-OF-WAY MARKERS:**
 ALL RIGHT-OF-WAY MARKERS ON THIS PROJECT SHALL BE PLACED BY CONTRACT.

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

Note: Not to Scale

*S.U.E. = Subsurface Utility Engineering

BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin	○ EIP
Property Corner	-----
Property Monument	□ EDM
Parcel/Sequence Number	②③
Existing Fence Line	-----
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	☠
Potential Contamination Area: Soil	?
Known Contamination Area: Water	☠
Potential Contamination Area: Water	?
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	-----
False Sump	-----

RAILROADS:

Standard Gauge	-----
RR Signal Milepost	○
Switch	□
RR Abandoned	-----
RR Dismantled	-----

RIGHT OF WAY:

Baseline Control Point	◆
Existing Right of Way Marker	△
Existing Right of Way Line	-----
Proposed Right of Way Line	-----
Proposed Right of Way Line with Iron Pin and Cap Marker	-----
Proposed Right of Way Line with Concrete or Granite R/W Marker	-----
Proposed Control of Access Line with Concrete C/A Marker	-----
Existing Control of Access	-----
Proposed Control of Access	-----
Existing Easement Line	-----
Proposed Temporary Construction Easement	-----
Proposed Temporary Drainage Easement	----- TDE
Proposed Permanent Drainage Easement	----- PDE
Proposed Permanent Drainage / Utility Easement	----- DUE
Proposed Permanent Utility Easement	----- PUE
Proposed Temporary Utility Easement	----- TUE
Proposed Aerial Utility Easement	----- AUE
Proposed Permanent Easement with Iron Pin and Cap Marker	-----

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	☼
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.*)	----- TUTL
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.

6/2/99

PROJECT REFERENCE NO.	SHEET NO.
W-5601-DQ	1C-1

SURVEY CONTROL SHEET W-5601-DQ

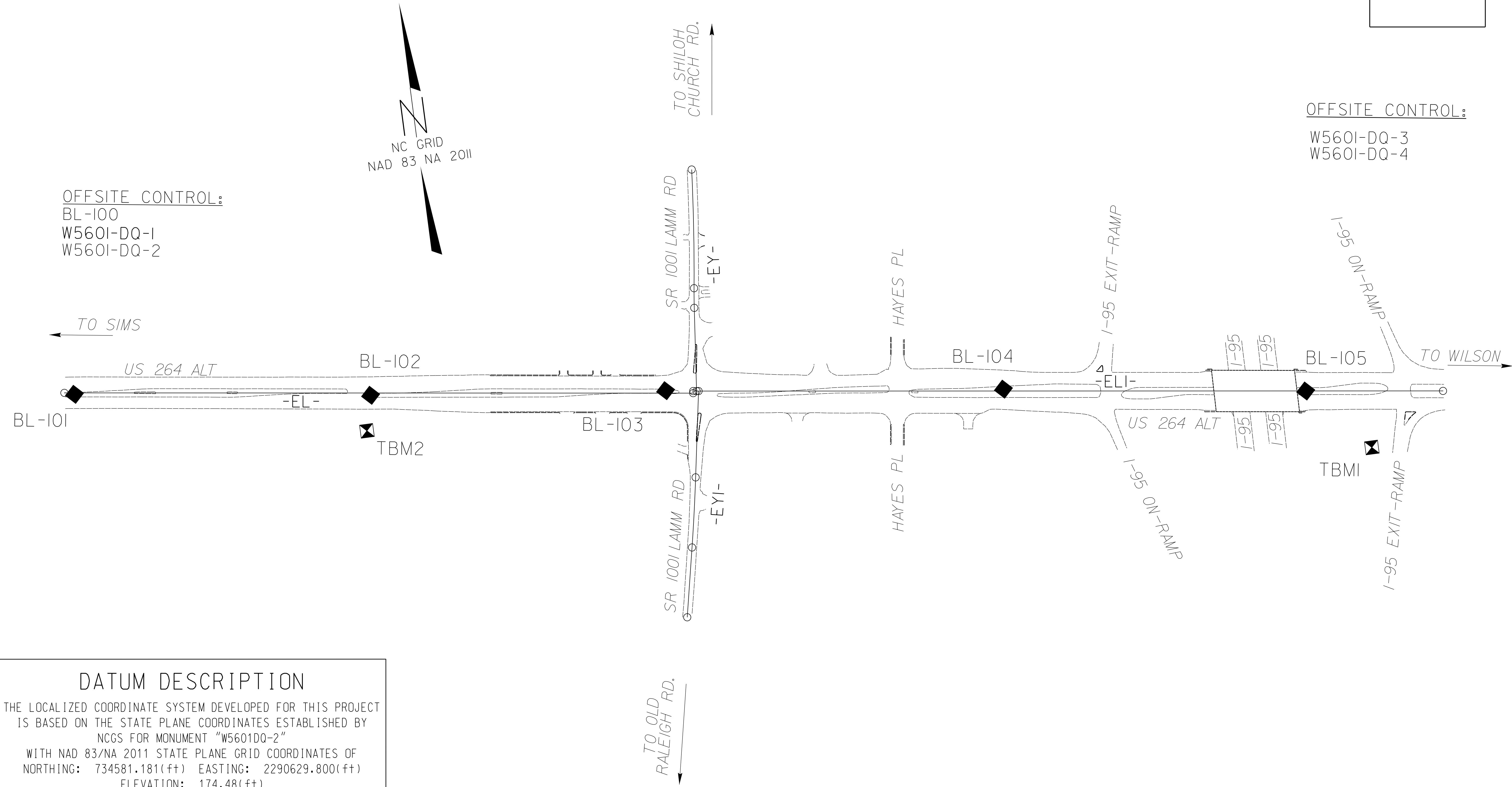
W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

Location and Surveys

PROJECT SURVEYOR

OFFSITE CONTROL:
W5601-DQ-3
W5601-DQ-4

OFFSITE CONTROL:
BL-100
W5601-DQ-1
W5601-DQ-2



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "W5601DQ-2"

WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF
NORTHING: 734581.181(ft) EASTING: 2290629.800(ft)
ELEVATION: 174.48(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99990977

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "W5601DQ-2" TO -L- STATION IS

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.
3. NOTE: DRAWING NOT TO SCALE

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PROJECT
SURVEYOR

SURVEY CONTROL SHEET W-5601-DQ

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

BASELINE DATA

BL	POINT	DESC.	NORTH	EAST	ELEVATION
DQ1		W5601DQ-1	734345.7470	2289662.7770	188.87
DQ2		W5601DQ-2	734581.1810	2290629.8000	174.48
BL100		BL-100	734657.6980	2291429.9840	162.17
BL101		BL-101	734614.9860	2292229.6570	153.47
BL102		BL-102	734506.7990	2293030.9810	156.89
BL103		BL-103	734414.1840	2293831.2220	165.34
BL104		BL-104	734297.8300	2294746.2810	171.65
BL105		BL-105	734185.0060	2295564.0010	176.81
DQ3		W5601DQ-3	734106.7620	2296230.2700	164.43
DQ4		W5601DQ-4	733981.5980	2297023.0170	145.58

BENCHMARK DATA

```

*****
TBM1      ELEVATION = 161.26
N 734009  E 2295723
RR SPIKE IN 24" PINE
*****
TBM2      ELEVATION = 159.53
N 734412  E 2293008
RR SPIKE IN 14" OAK
*****

```

ALIGNMENT DATA

EL				
POINT	N	E	BEARING	DIST
POT	734622.637	2292202.936		
LINE			S 82°28'25.0" E	1717.07
POT	734397.730	2293905.213		

EL1				
POINT	N	E	BEARING	DIST
POT	734403.326	2293905.952		
LINE			S 82°30'32.7" E	2047.33
POT	734136.417	2295935.810		

EY									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	735003.298	2293980.740							
CURVE			S 06°21'06.7" W	323.95	03°05'17.8"(RT)	00°57'11.5"	323.99	162.03	6010.07
PCC	734681.338	2293944.900							
CURVE			S 06°54'20.4" W	53.59	01°58'50.4"(LT)	03°41'45.3"	53.59	26.80	1550.24
PT	734628.139	2293938.457							
LINE			S 05°54'55.2" W	227.22					
POT	734402.131	2293915.041							

EY1									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	734401.424	2293920.416							
LINE			S 09°26'54.8" W	235.66					
PC	734168.964	2293881.730							
CURVE			S 10°26'16.0" W	191.55	01°58'42.4"(RT)	01°01'58.1"	191.56	95.79	5547.65
PT	733980.580	2293847.027							
LINE			S 11°25'37.2" W	190.97					
POT	733793.394	2293809.192							

NOTES:

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PROJECT
SURVEYOR

SURVEY CONTROL SHEET W-5601-DQ

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
L1	14+00.00	75.60	734452.6764	2292913.0856
L1	14+50.00	145.00	734377.3364	2292953.5821
L1	16+85.00	75.22	734415.7935	2293195.6892

L1

TYPE	STATION	NORTH	EAST
POT	10+00.00	734579.9322	2292526.4053
POT	24+00.11	734396.8580	2293914.4943

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y1	10+50.00	-30.00	734950.7291	2294006.2149
Y1	11+00.00	-35.00	734900.2111	2294006.3537
Y1	11+65.00	30.00	734842.4230	2293934.8422
Y1	12+00.00	35.00	734808.4095	2293925.9056
Y1	13+23.99	35.00	734686.1460	2293910.2323
Y1	13+23.99	-35.00	734676.5298	2293979.5687
Y1	13+60.71	-40.00	734640.3513	2293980.0267
Y1	13+69.93	35.00	734639.5264	2293904.4693
Y1	17+47.26	35.00	734265.9950	2293861.3762
Y1	17+87.00	-46.16	734214.6023	2293935.7236
Y1	19+00.86	-35.00	734103.1934	2293905.9293
Y1	19+00.86	35.00	734115.4374	2293837.0084
Y1	20+31.90	35.00	733987.5142	2293812.7207
Y1	20+31.90	-35.00	733973.6459	2293881.3331
Y1	21+35.00	35.00	733886.4577	2293792.2945
Y1	21+35.00	30.00	733885.4671	2293797.1954
Y1	21+35.00	-35.00	733872.5893	2293860.9070
Y1	21+35.00	-30.00	733873.5799	2293856.0061

Y1

TYPE	STATION	NORTH	EAST
PC	10+00.00	735003.2981	2293980.7402
PRC	13+23.99	734681.3379	2293944.9005
PT	13+77.58	734628.1386	2293938.4573
PC	15+37.98	734468.5929	2293921.9268
PCC	19+00.86	734109.3154	2293871.4689
PT	20+31.90	733980.5801	2293847.0269
POT	22+22.87	733793.3941	2293809.1918

NOTES:

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3. NOTE: DRAWING NOT TO SCALE

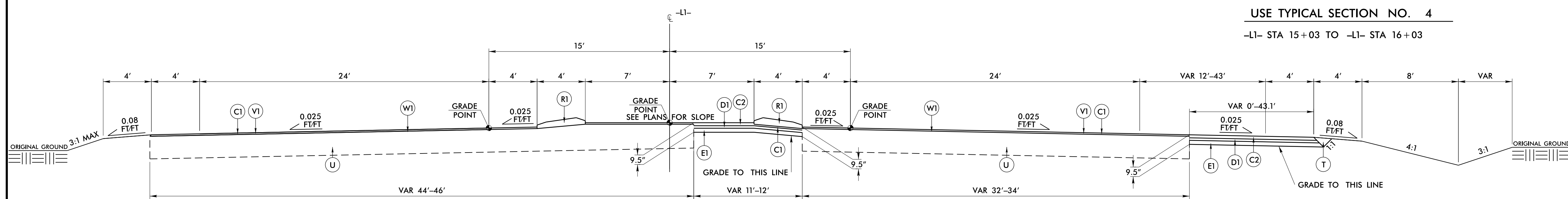
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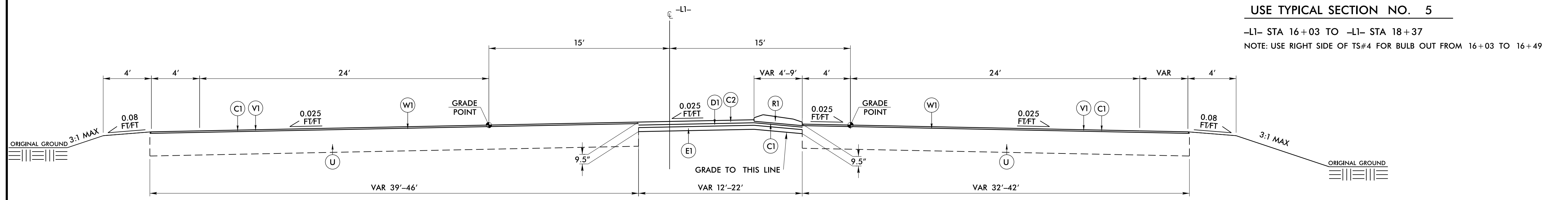
6/2/99

PROJECT REFERENCE NO. W-5601DQ	SHEET NO. 2A-2
ROADWAY DESIGN ENGINEER 10/15/2018 SEAL 040774 NORWOOD A. GAINEY III	PAVEMENT DESIGN ENGINEER 10/15/2018 SEAL 040774 NORWOOD A. GAINEY III

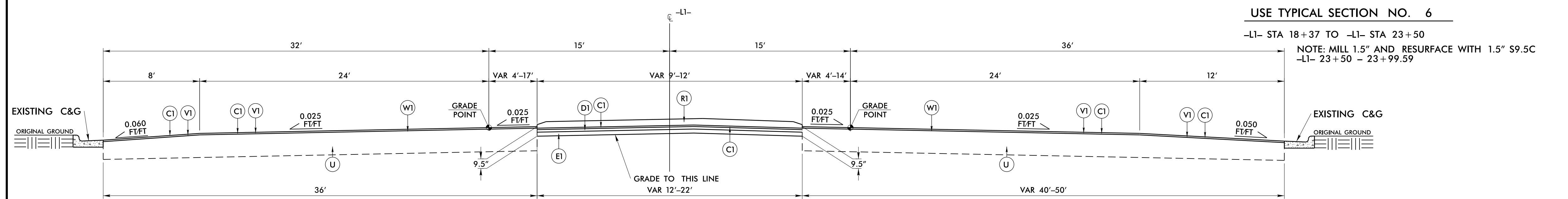
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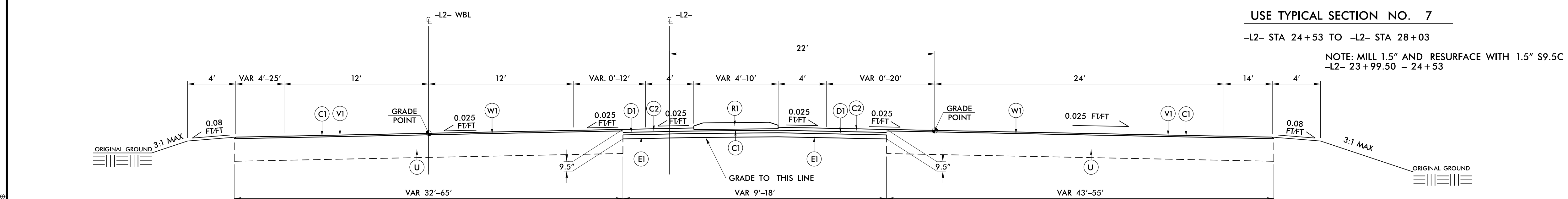
TYPICAL SECTION NO. 4



TYPICAL SECTION NO. 5



TYPICAL SECTION NO. 6



TYPICAL SECTION NO. 7

PAVEMENT SCHEDULE

C1	1.5" S9.5C
C2	3" S9.5C
C3	VAR S9.5C
D1	2.5" I19.0C
D2	4" I19.0C
D3	VAR I19.0C
E1	4" B25.0C
E2	VAR B25.0C
R1	ISLAND
R2	2'-6" C&G
T	EARTH MATERIAL
U	EXIST. PAVEMENT
V1	0"-2" MILLING
W1	WEDGING

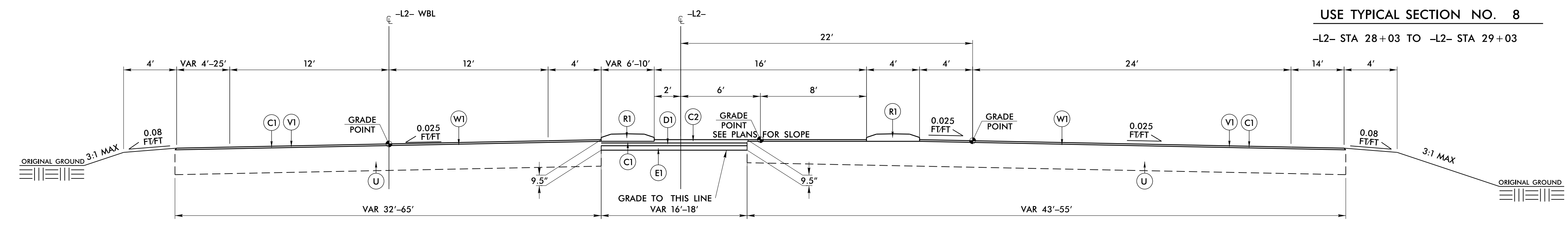
NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.

15-OCT-2018 09:26 W-5601DQ.dde4_TYP.dgn

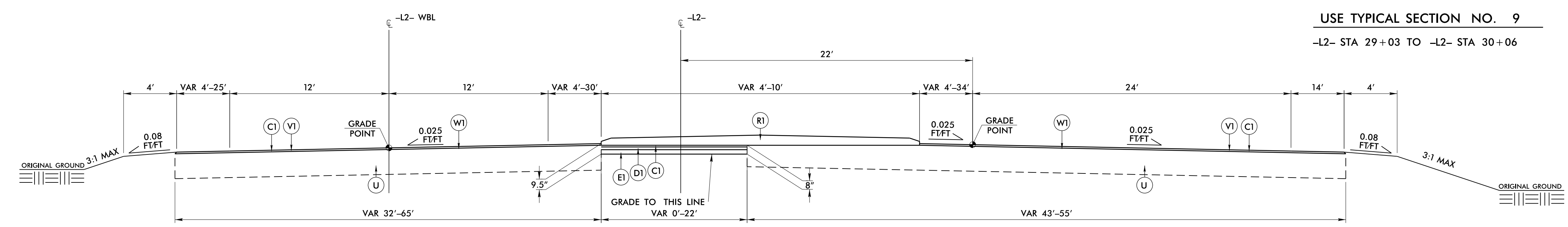
6/2/99

PROJECT REFERENCE NO. W-5601DQ	SHEET NO. 2A-3
ROADWAY DESIGN ENGINEER 10/15/2018 SEAL 040774 Norwood A. Gandy, III	PAVEMENT DESIGN ENGINEER 10/15/2018 SEAL 040774 Norwood A. Gandy, III

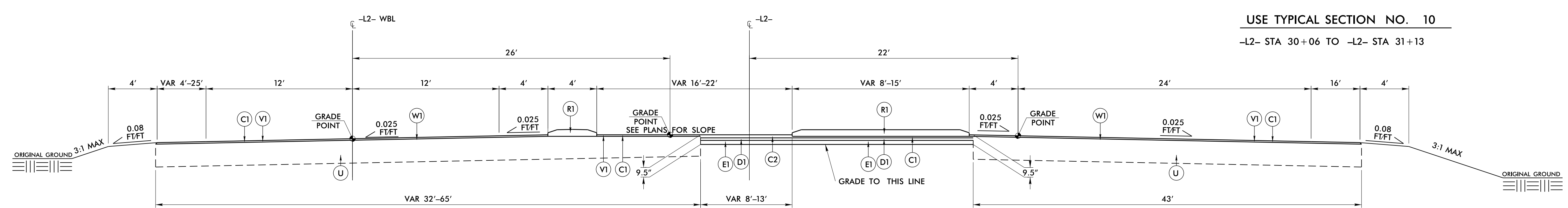
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



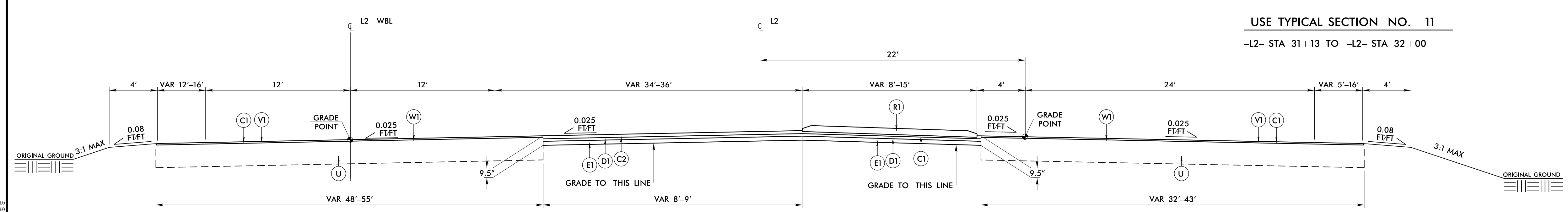
TYPICAL SECTION NO. 8



TYPICAL SECTION NO. 9



TYPICAL SECTION NO. 10



TYPICAL SECTION NO. 11

PAVEMENT SCHEDULE	
C1	1.5" S9.5C
C2	3" S9.5C
C3	VAR S9.5C
D1	2.5" I19.0C
D2	4" I19.0C
D3	VAR I19.0C
E1	4" B25.0C
E2	VAR B25.0C
R1	ISLAND
R2	2'-6" C&G
T	EARTH MATERIAL
U	EXIST. PAVEMENT
V1	0"-2" MILLING
W1	WEDGING

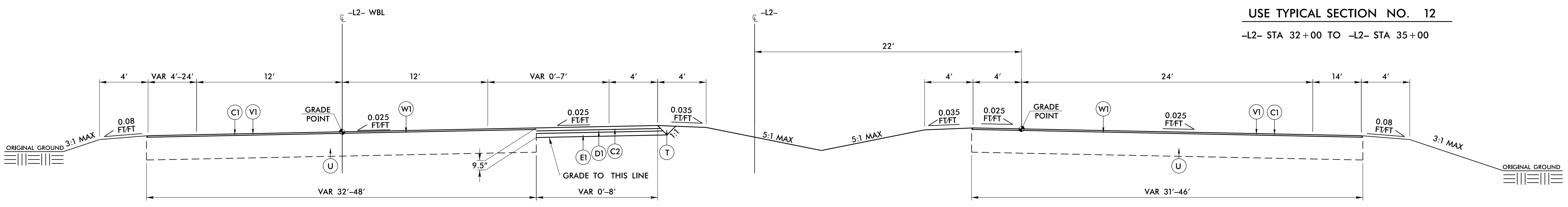
NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.

15-OCT-2018 09:26 W-5601DQ_dde4_TYP.dgn

6/2/99

PROJECT REFERENCE NO. W-5601DQ	SHEET NO. 2A-4
ROADWAY DESIGN ENGINEER 10/15/2018 PROFESSIONAL SEAL 040774 NORWOOD A. GAINEY, III	PAVEMENT DESIGN ENGINEER 10/15/2018 PROFESSIONAL SEAL 040774 NORWOOD A. GAINEY, III

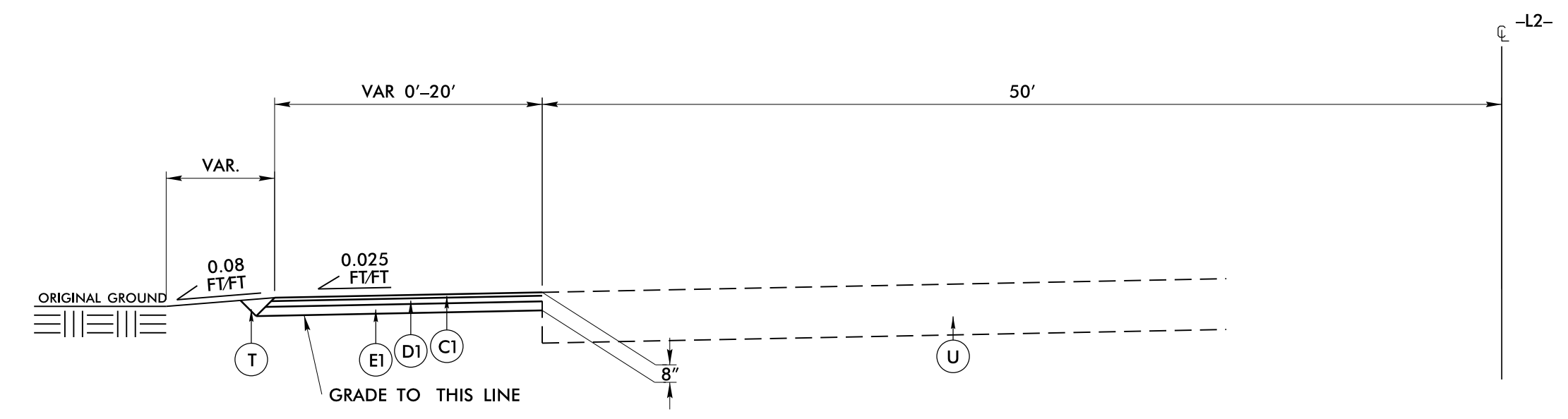
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



TYPICAL SECTION NO. 12

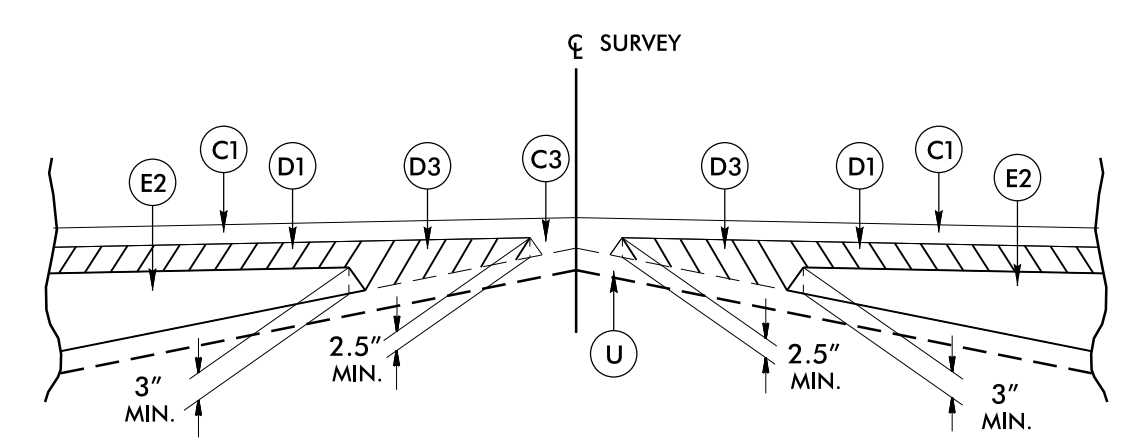
USE TYPICAL SECTION NO. 12
-L2- STA 32+00 TO -L2- STA 35+00

NOTE: MILL 1.5" AND RESURFACE WITH 1.5" S9.5C
-L2- 35+00 - 38+19 (BRIDGE)



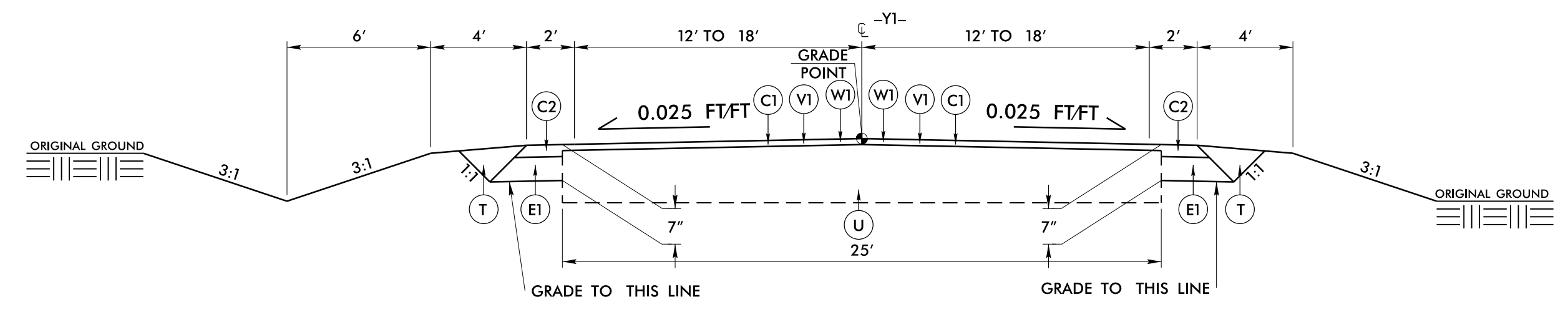
TYPICAL SECTION NO. 13

USE TYPICAL SECTION NO. 13
-L2- STA 42+55 TO -L2- STA 43+04

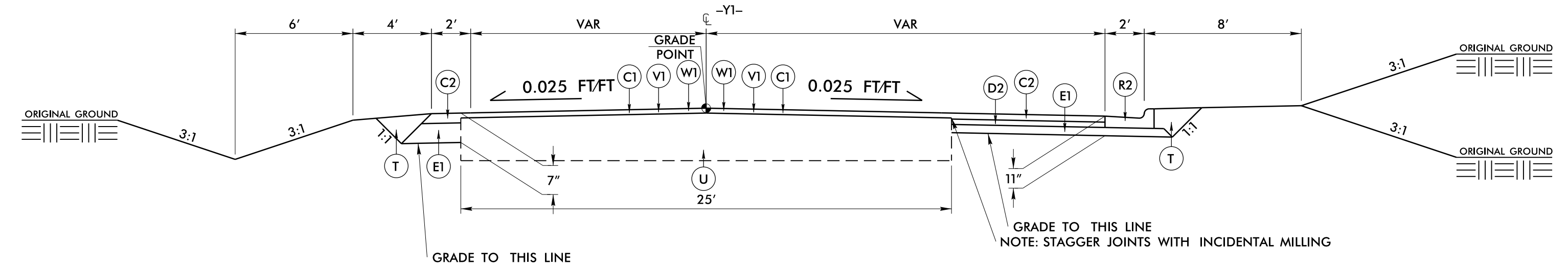


Detail Showing Method of Wedging

USE TYPICAL SECTION NO. 14
-Y1- STA 11+00.00 TO -Y1- STA 16+60
-Y1- STA 17+95.00 TO -Y1- STA 21+35.00



TYPICAL SECTION NO. 14



TYPICAL SECTION NO. 15

USE TYPICAL SECTION NO. 15
-Y1- STA 16+60 TO -Y1- STA 17+95

PAVEMENT SCHEDULE

C1	1.5" S9.5C
C2	3" S9.5C
C3	VAR S9.5C
D1	2.5" I19.0C
D2	4" I19.0C
D3	VAR I19.0C
E1	4" B25.0C
E2	VAR B25.0C
R1	ISLAND
R2	2'-6" C&G
T	EARTH MATERIAL
U	EXIST. PAVEMENT
V1	0"-2" MILLING
W1	WEDGING

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

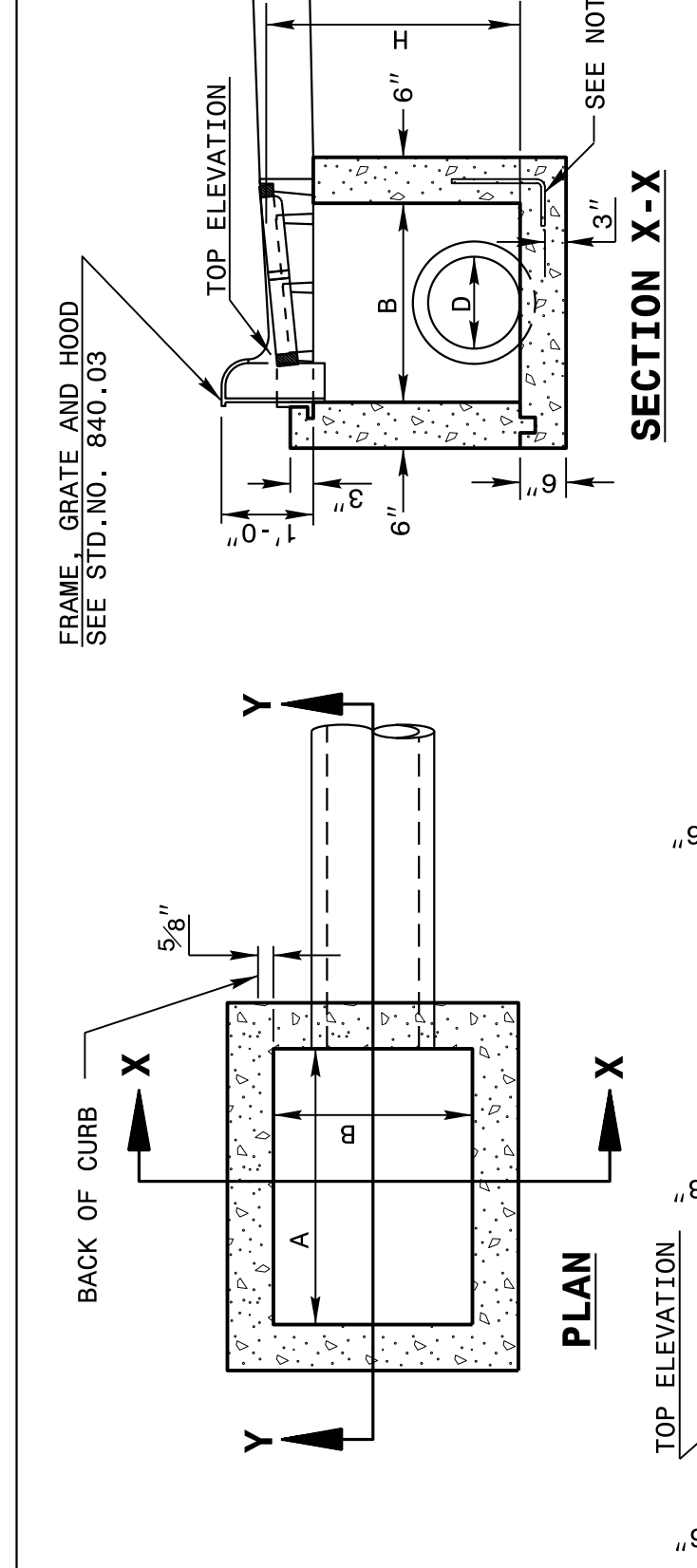
15-OCT-2018 09:26 W-5601DQ.dde4_TYP.dgn

STATE OF
 NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
**MINIMUM DEPTH
 CONCRETE CATCH BASIN**
 12" THRU 84" PIPE

SHEET 1 OF 2
840D02

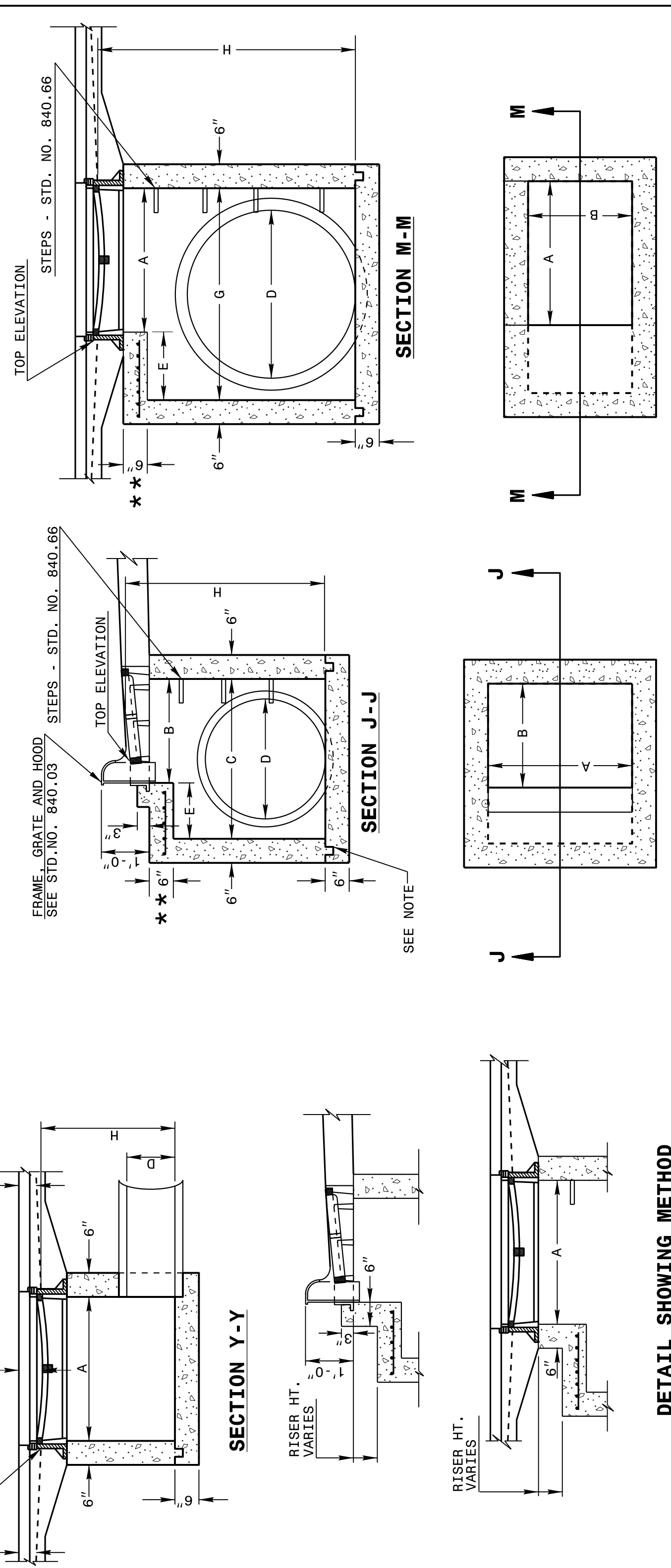
GENERAL NOTES:
 USE CLASS "B" CONCRETE THROUGHOUT.
 PROVIDE ALL CATCH BASINS OVER 3'-6" IN DEPTH WITH STEPS 12" ON CENTER. USE STEPS WHICH COMPLY WITH STD. DRAWING 840.66.
 OPTIONAL CONSTRUCTION - MONOLITHIC POUR, 2" KEYWAY, OR #4 BAR DOWELS AT 12 CENTERS AS DIRECTED BY THE ENGINEER.
 USE FORMS FOR THE CONSTRUCTION OF THE BOTTOM SLAB.
 IF REINFORCED CONCRETE PIPE IS SET IN BOTTOM SLAB OF BOX, ADD TO SLAB AS SHOWN ON STD. NO. 840.00.
 USE TYPE "E", "F" AND "G" GRATES UNLESS OTHERWISE INDICATED.
 FOR 8'-0" IN HEIGHT OR LESS USE 6" WALLS AND BOTTOM SLAB. OVER 8'-0" TO 16'-0" IN HEIGHT USE 8" WALLS AND BOTTOM SLAB. ADJUST QUANTITIES ACCORDINGLY.
 CONSTRUCT WITH PIPE CROWNS MATCHING.
 CHAMFER ALL EXPOSED CORNERS 1".
 ** FOR STRUCTURES WITH PIPE LARGER THAN 54", MAKE THE TOP SLAB 8" THICK.



STATE OF
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 RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
**MINIMUM DEPTH
 CONCRETE CATCH BASIN**
 12" THRU 84" PIPE

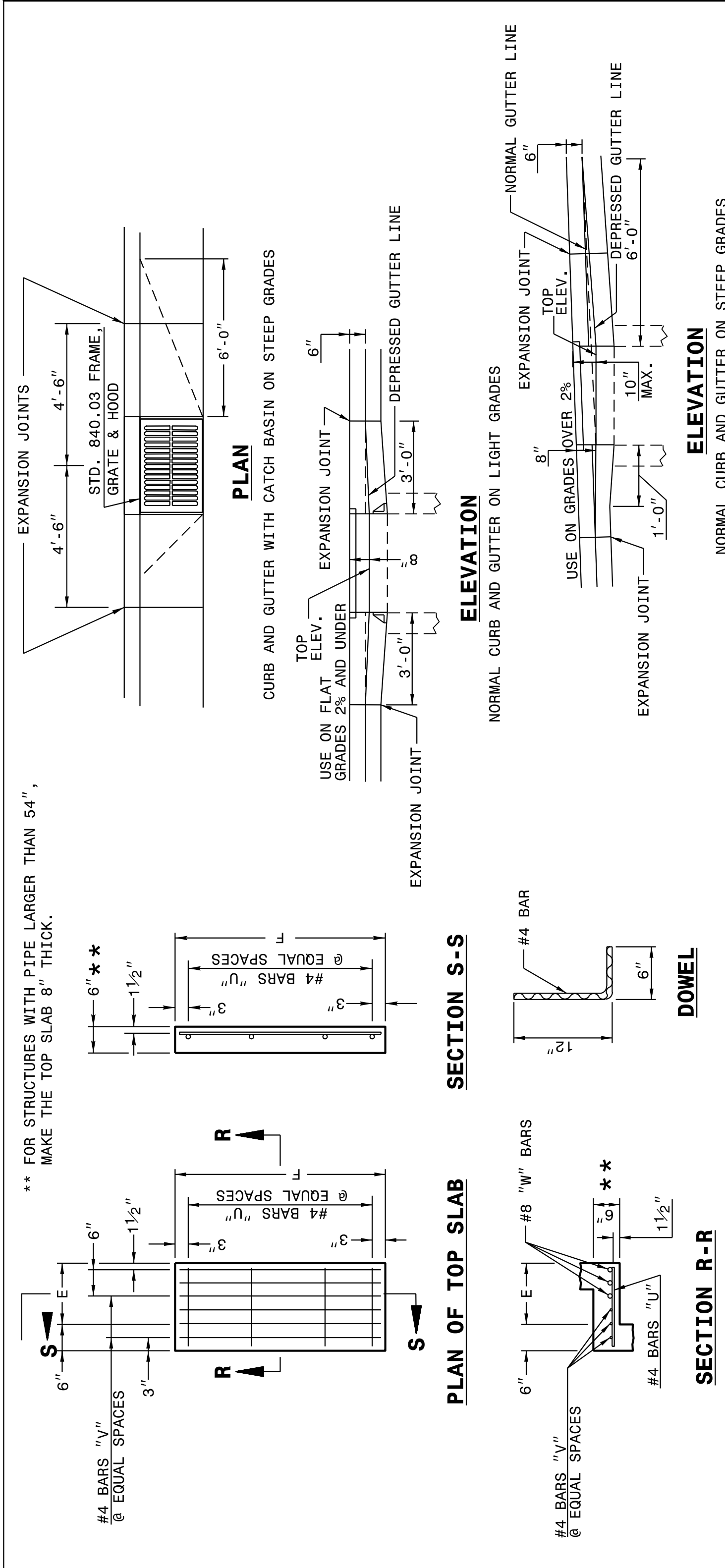
SHEET 1 OF 2
840D02



STATE OF
 NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
**MINIMUM DEPTH
 CONCRETE CATCH BASIN**
 12" THRU 84" PIPE

SHEET 2 OF 2
840D02



STATE OF
 NORTH CAROLINA
 DEPT. OF TRANSPORTATION
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 RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
**MINIMUM DEPTH
 CONCRETE CATCH BASIN**
 12" THRU 84" PIPE

SHEET 2 OF 2
840D02

* RISER HAS .228 CUBIC YARDS OF CONCRETE PER FOOT HEIGHT

PIPE D.	MINIMUM DIMENSIONS OF BOX AND PIPE			COVER DIMENSION			BARS-V			BARS-W			BARS-U			TOTAL LBS.	CU. YDS. CONC. IN BOX	DEDUCTIONS		
	SPAN	WIDTH	HEIGHT	E	F	H	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	TOP SLAB			BOTTOM SLAB	TOT. CONC. FOR MINIMUM HEIGHT, H	C. M.	R. C.	ONE PIPE
12"	3'-0"	2'-2"	2'-0"	..	..	2'-0"	..	..	..	..	..	..	..	..	..	..	0.235	0.772	0.015	0.026
15"	3'-0"	2'-2"	2'-3"	..	..	2'-3"	..	..	..	..	..	..	..	..	..	..	0.235	0.829	0.023	0.036
18"	3'-0"	2'-2"	3'-1"	..	..	3'-1"	..	..	..	..	..	..	..	..	..	..	0.235	0.887	0.033	0.049
24"	3'-0"	2'-2"	3'-10"	..	..	3'-10"	..	..	..	..	..	..	..	..	..	..	0.235	1.001	0.059	0.085
30"	3'-0"	2'-2"	3'-4"	1'-2"	4'-4"	4'-4"	4	1'-5"	2	4'-1"	3	4'-1"	3	4'-1"	39	0.123	0.347	1.433	0.092	0.127
36"	3'-0"	2'-2"	3'-10"	1'-8"	4'-10"	4'-10"	4	1'-11"	3	4'-7"	3	4'-7"	3	4'-7"	43	0.161	0.432	1.714	0.132	0.178
42"	3'-0"	2'-2"	4'-5"	2'-2"	5'-5"	5'-5"	5	2'-5"	4	5'-2"	4	5'-2"	4	5'-2"	47	0.200	0.543	1.738	0.180	0.243
48"	3'-0"	2'-2"	5'-0"	2'-10"	6'-0"	6'-0"	5	3'-1"	4	5'-9"	3	5'-9"	3	5'-9"	51	0.235	0.667	2.052	0.235	0.317
54"	3'-0"	2'-2"	5'-7"	3'-5"	6'-7"	6'-7"	6	3'-8"	5	6'-4"	3	6'-4"	3	6'-4"	56	0.269	0.802	2.387	0.287	0.401
60"	3'-0"	2'-2"	6'-3"	4'-1"	7'-3"	7'-3"	6	4'-4"	5	7'-0"	3	7'-0"	3	7'-0"	61	0.340	0.973	2.722	0.363	0.546
66"	3'-0"	2'-2"	6'-11"	4'-9"	7'-11"	7'-11"	7	5'-0"	6	7'-8"	3	7'-8"	3	7'-8"	66	0.391	1.160	3.057	0.440	0.655
72"	3'-0"	2'-2"	7'-6"	5'-3"	8'-6"	8'-6"	7	5'-6"	6	8'-3"	3	8'-3"	3	8'-3"	72	0.442	1.340	3.392	0.524	0.774
78"	3'-0"	2'-2"	8'-1"	5'-11"	9'-1"	9'-1"	8	6'-2"	7	8'-10"	3	8'-10"	3	8'-10"	78	0.493	1.530	3.727	0.615	0.893
84"	3'-0"	2'-2"	8'-9"	6'-7"	9'-9"	9'-9"	8	6'-10"	7	9'-6"	3	9'-6"	3	9'-6"	84	0.544	1.760	4.062	0.713	1.010

DocuSigned by:
 Joel S. Howerton
 873F3D17DCDC46F...
 6/19/2018

SEAL 022966
 NORTH CAROLINA PROFESSIONAL ENGINEER
 Joel S. Howerton

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CONTRACT STANDARDS AND DEVELOPMENT UNIT
 Office 919-707-6950 FAX 919-250-4119

SEE PLATE FOR TITLE

ORIGINAL BY: 2002 Std.840.01 DATE: _____
 MODIFIED BY: E.E. WARD DATE: 3-1-02
 CHECKED BY: _____ DATE: _____
 FILE SPEC.: s:\Special Details\jhowerton\840d02.dgn

8/17/99

MATCHLINE -Y1- 10 + 95.00

SEE INSET SHT 05

-Y1- 11 + 65.00
30.00' RT
-Y1- 12 + 00.00
35.00' RT
-Y1- 12 + 00.00
45.00' RT

1 VIRGINIA LAMM HAYES
DB 84E PG 219

-Y1- PRC 13+23.99
35.00' RT

-Y1- PT 13+77.58
35.00' RT
-Y1- 13 + 69.81
45.00' RT

-Y1- PC 15+37.98
35.00' RT

-Y1- 17 + 37.52
45.00' RT
-Y1- 17 + 47.26
35.00' RT

-Y1- 18 + 46.44
40.00' LT

-Y1- 19 + 00.86
35.00' RT

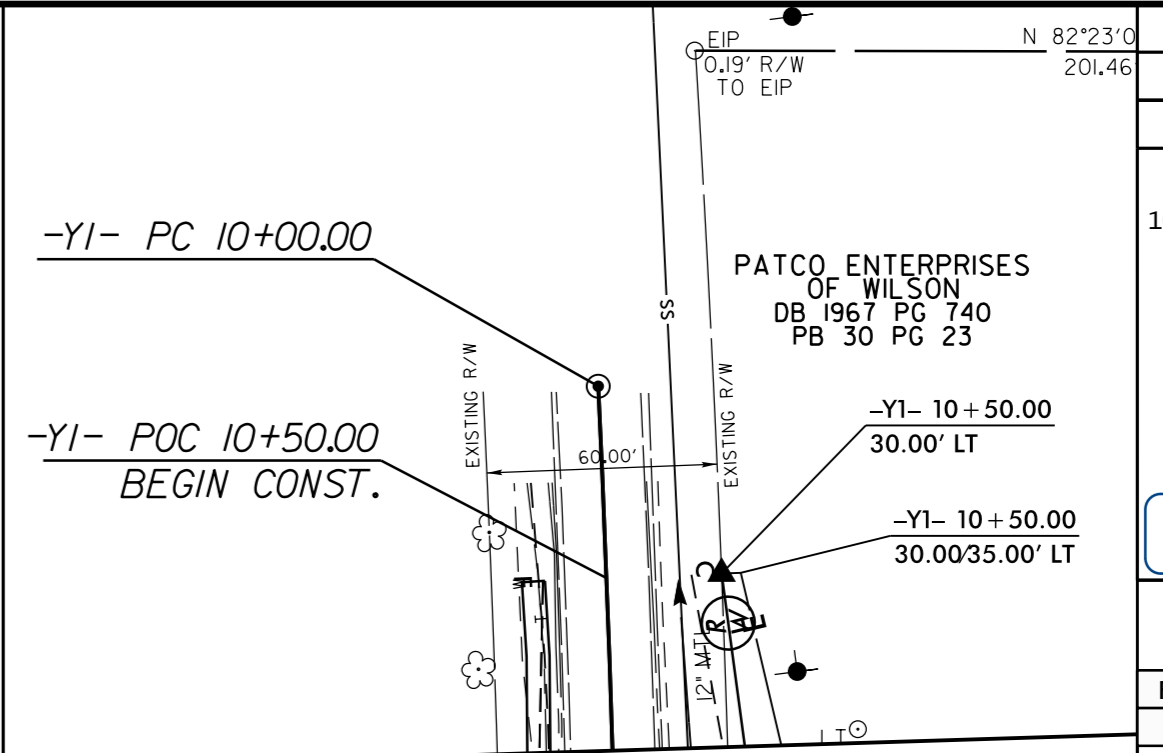
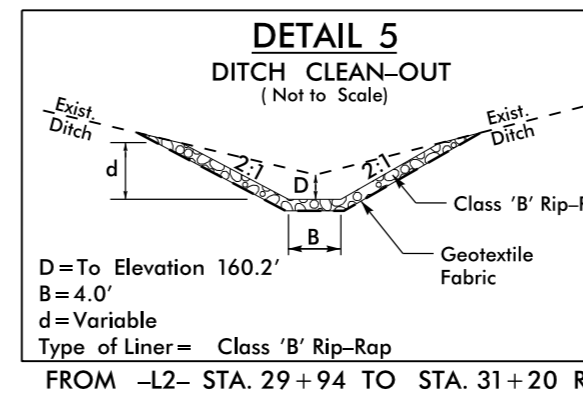
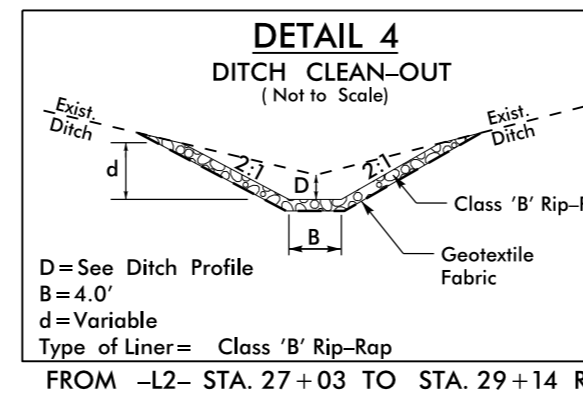
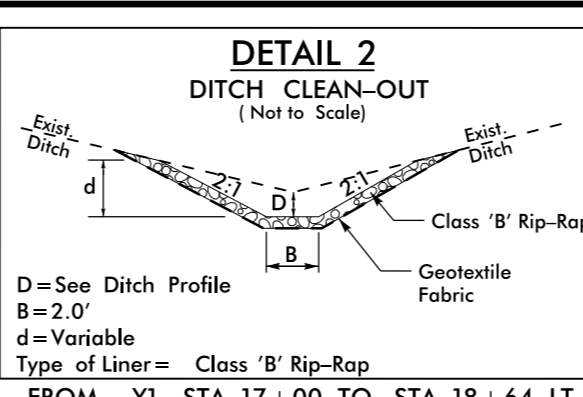
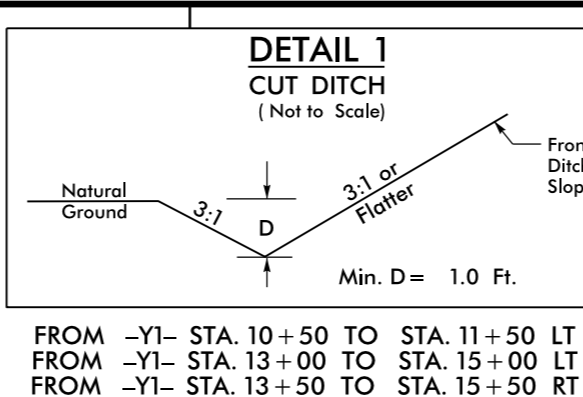
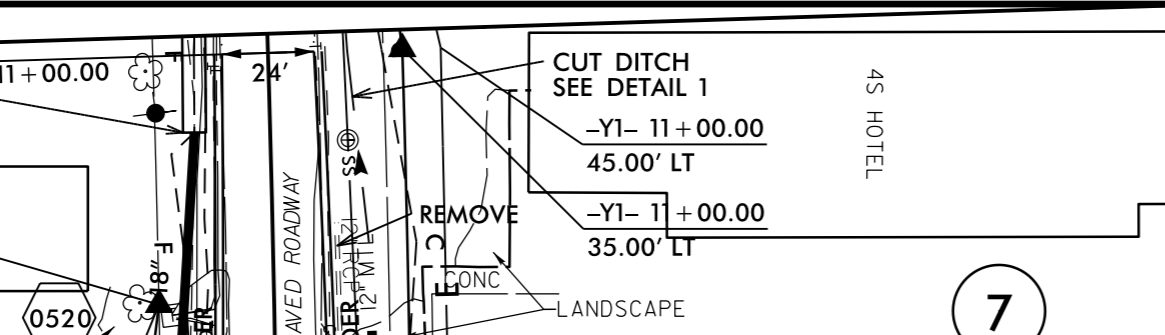
-Y1- 20 + 31.90
45.00' RT
-Y1- 20 + 31.90
35.00' RT

-Y1- POT 21+35.00
30.00/35.00' RT

-Y1- 21 + 35.00
30.00/35.00' RT

-Y1- 20 + 85.00
40.00' LT

-Y1- 21 + 35.00
30.00/35.00' RT



PROJECT REFERENCE NO. W-5601DQ	SHEET NO. 05
RW SHEET NO. 05	
ROADWAY DESIGN ENGINEER 10/2/2018 PATCO ENTERPRISES OF WILSON DB 1967 PG 740 PB 30 PG 23	HYDRAULICS ENGINEER 10/2/2018 PATCO ENTERPRISES OF WILSON DB 1967 PG 740 PB 30 PG 23
SEAL 040774 Abnerwood D. Gentry, III	SEAL 044158 Benjamin J. Henegar

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

FOR -L2- PROFILES, SEE SHEET NO. 08
FOR -Y1- PROFILE, SEE SHEET NO. 09

FOR -L2- PROFILES, SEE SHEET NO. 08
FOR -Y1- PROFILE, SEE SHEET NO. 09

FROM -Y1- STA. 10 + 50 TO STA. 11 + 50 LT
FROM -Y1- STA. 13 + 00 TO STA. 15 + 00 LT
FROM -Y1- STA. 13 + 50 TO STA. 15 + 50 RT

FROM -Y1- STA. 17 + 00 TO STA. 18 + 64 LT
FROM -L2- STA. 24 + 50 TO STA. 26 + 52 RT

FROM -Y1- STA. 10 + 50 TO STA. 11 + 20 RT
FROM -L2- STA. 30 + 18 TO STA. 34 + 95 RT

D=See Ditch Profile
B=4.0'
d=Variable
Type of Liner= Class 'B' Rip-Rap

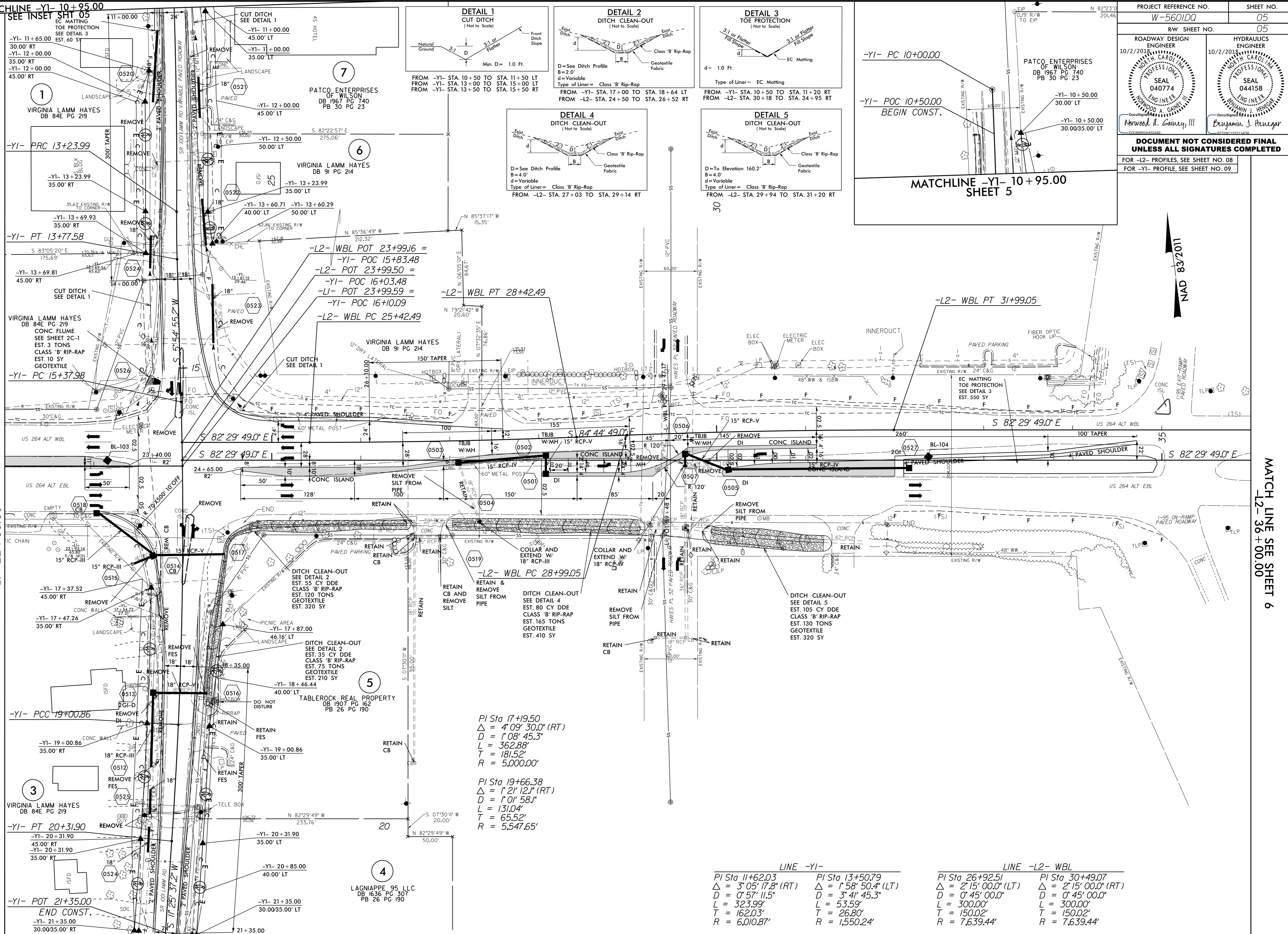
D=To Elevation 160.2'
B=4.0'
d=Variable
Type of Liner= Class 'B' Rip-Rap

MATCHLINE -Y1- 10 + 95.00
SHEET 5

MATCHLINE -Y1- 10 + 95.00
SHEET 5

MATCHLINE SEE SHEET 4
-L1- 22 + 00.00

MATCHLINE SEE SHEET 6
-L2- 36 + 00.00



PI Sta 17+19.50
Δ = 4° 09' 30.0" (RT)
D = 1' 08' 45.3"
L = 362.88'
T = 181.52'
R = 5,000.00'

PI Sta 19+66.38
Δ = 1° 21' 12.1" (RT)
D = 1' 01' 58.1"
L = 131.04'
T = 65.52'
R = 5,547.65'

LINE -Y1-	LINE -L2- WBL
PI Sta 11+62.03	PI Sta 13+50.79
Δ = 3° 05' 17.8" (RT)	Δ = 1° 58' 50.4" (LT)
D = 0° 57' 11.5"	D = 3° 41' 45.3"
L = 323.99'	L = 53.59'
T = 162.03'	T = 26.80'
R = 6,010.87'	R = 1,550.24'

LINE -Y1-	LINE -L2- WBL
PI Sta 26+92.51	PI Sta 30+49.07
Δ = 2° 15' 00.0" (LT)	Δ = 2° 15' 00.0" (RT)
D = 0° 45' 00.0"	D = 0° 45' 00.0"
L = 300.00'	L = 300.00'
T = 150.02'	T = 150.02'
R = 7,639.44'	R = 7,639.44'

REVISIONS

NAD 83/2011

PROJECT: W-5601DQ.DDC4.PSH05.dgn
DATE: 10/13/18 10:31
USER: BJE

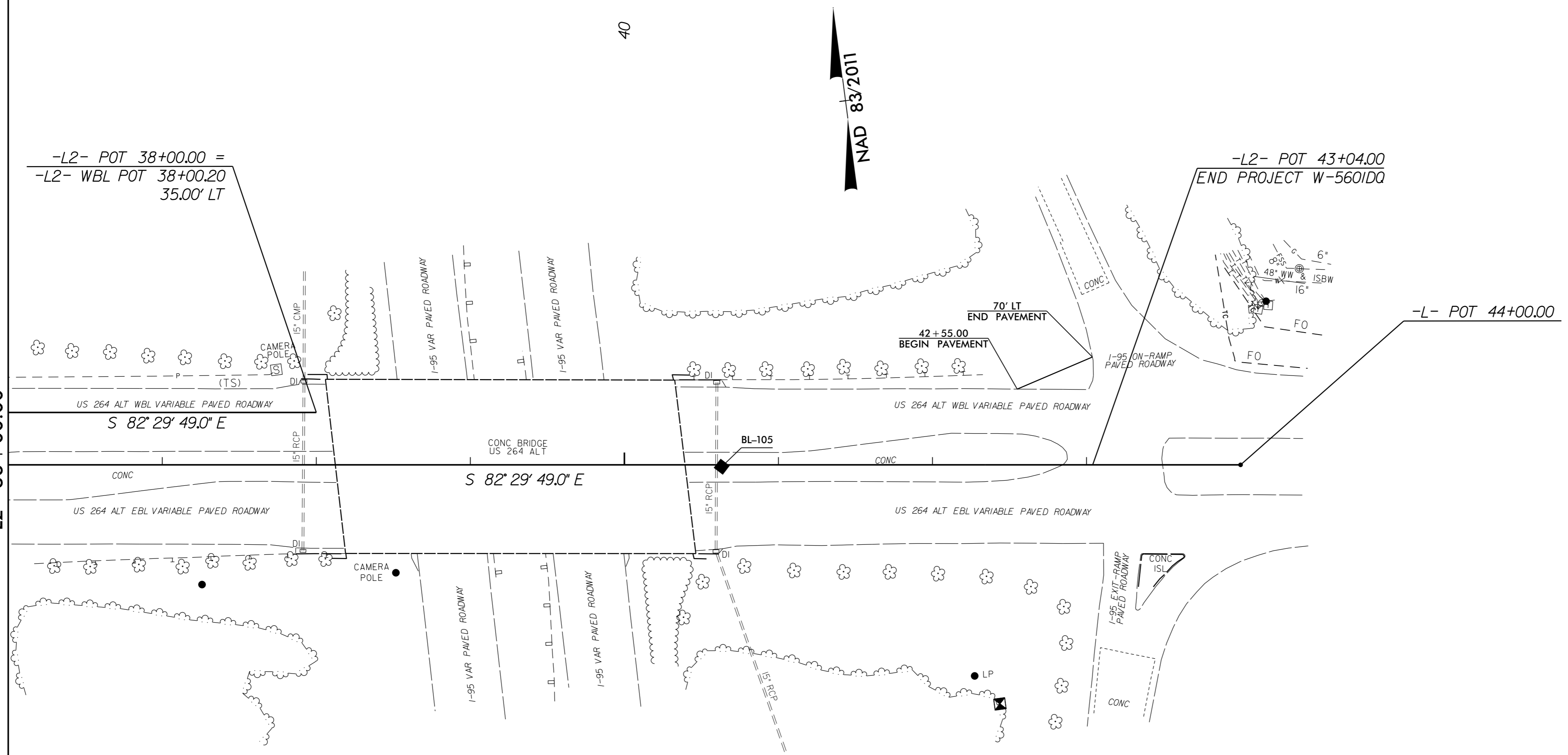
END CONST.
-Y1- 21 + 35.00
30.00/35.00' RT

4 LAGNIAPPE 95, LLC
DB 1636 PG 307
PB 26 PG 190

PROJECT REFERENCE NO. W-560/DQ	SHEET NO. 06
RW SHEET NO. 06	
ROADWAY DESIGN ENGINEER 10/2/2018 SEAL 040774 NORWOOD A. GAINY, III	HYDRAULICS ENGINEER 10/2/2018 SEAL 044158 BENJAMIN J. HENEGAR
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

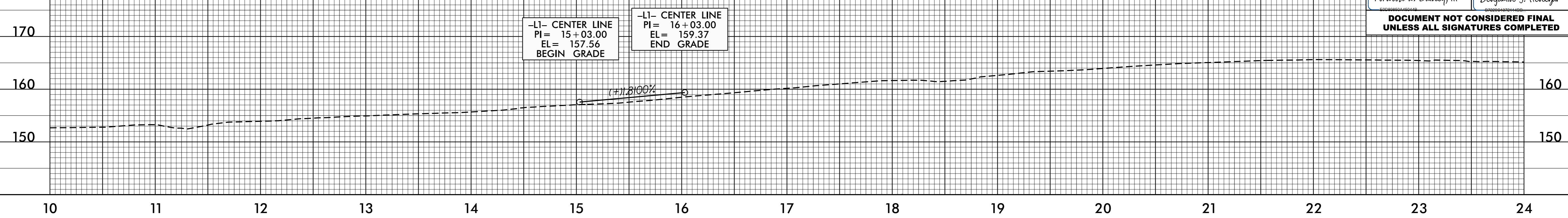
REVISIONS
 8/17/99

MATCH LINE SEE SHEET 5
 -L2- 36+00.00

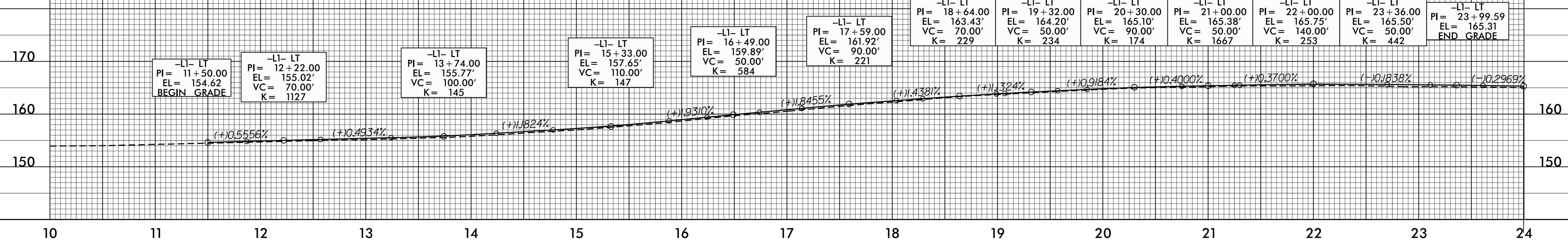


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 \$\$\$\$SYSTRANAVE\$\$\$\$

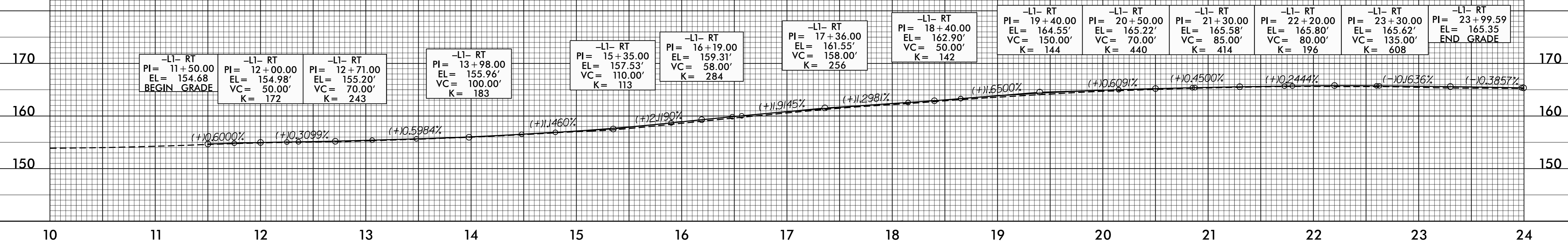
-L1- CENTER LINE



-L1- 15' LEFT



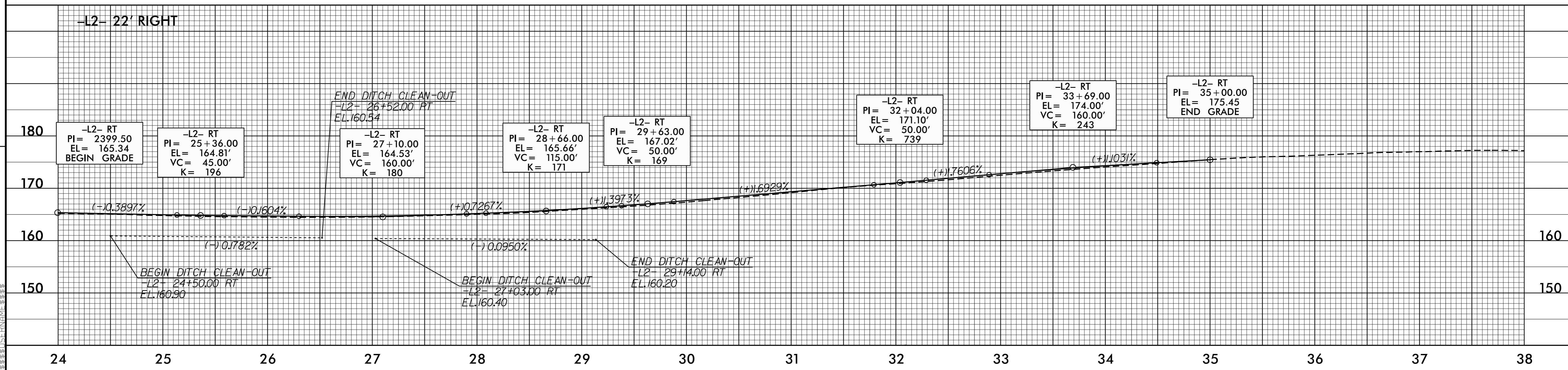
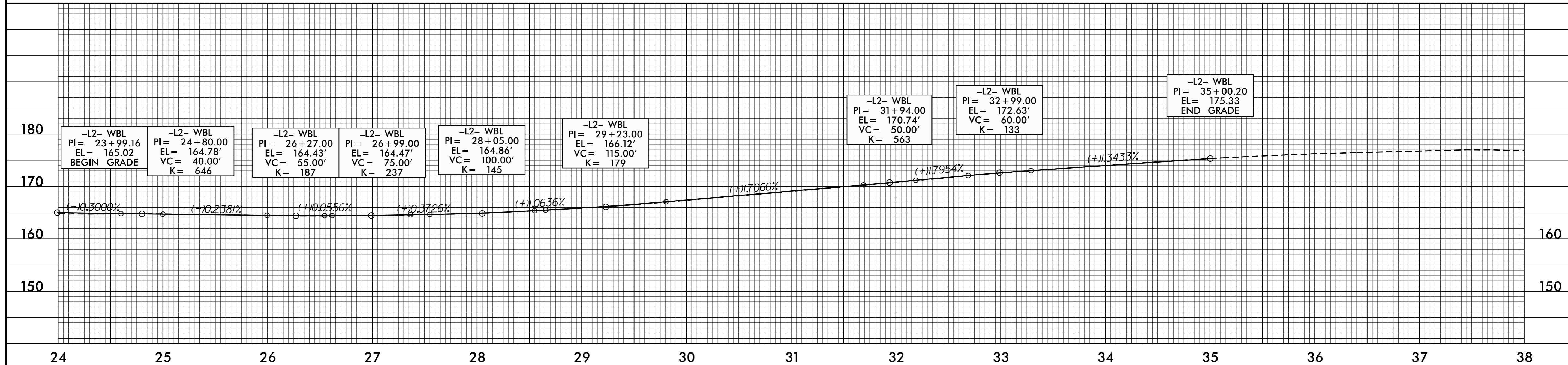
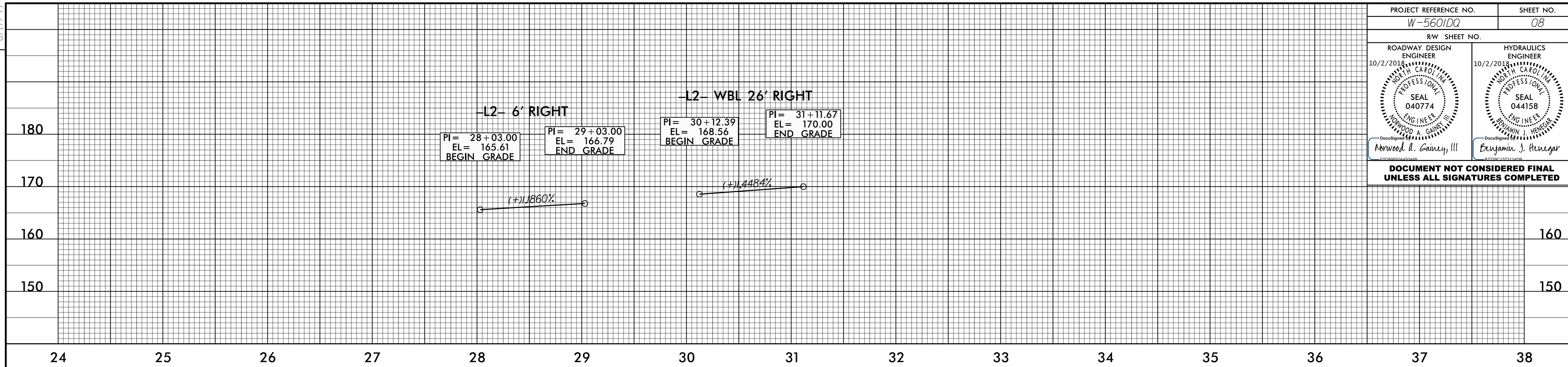
-L1- 15' RIGHT



REVISIONS

8/17/99

P:\PROJECTS\2018\10-31\W-560\100.DDC4.PRO.PSH.dgn
 10/2/2018 10:31 AM
 WOOD A. GAINES III



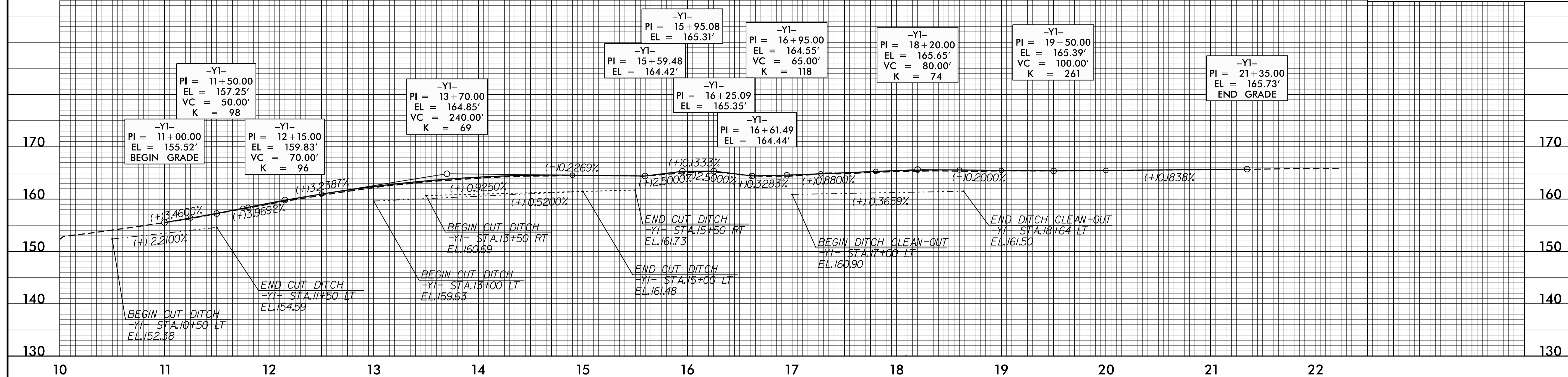
REVISIONS

8/17/99

P:\CCT 2018 10\31\W-560\DDC4.PRO.PSH.dgn
 \$\$\$\$\$\$SECRET\$\$\$\$\$\$

5/28/99

PROJECT REFERENCE NO. W-5601DQ	SHEET NO. 09
ROADWAY DESIGN ENGINEER 10/2/2018 NORWOOD A. GAINEY III SEAL 040774 NORTH CAROLINA PROFESSIONAL ENGINEER	HYDRAULICS ENGINEER 10/2/2018 BENJAMIN J. HENEGAR SEAL 044158 NORTH CAROLINA PROFESSIONAL ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

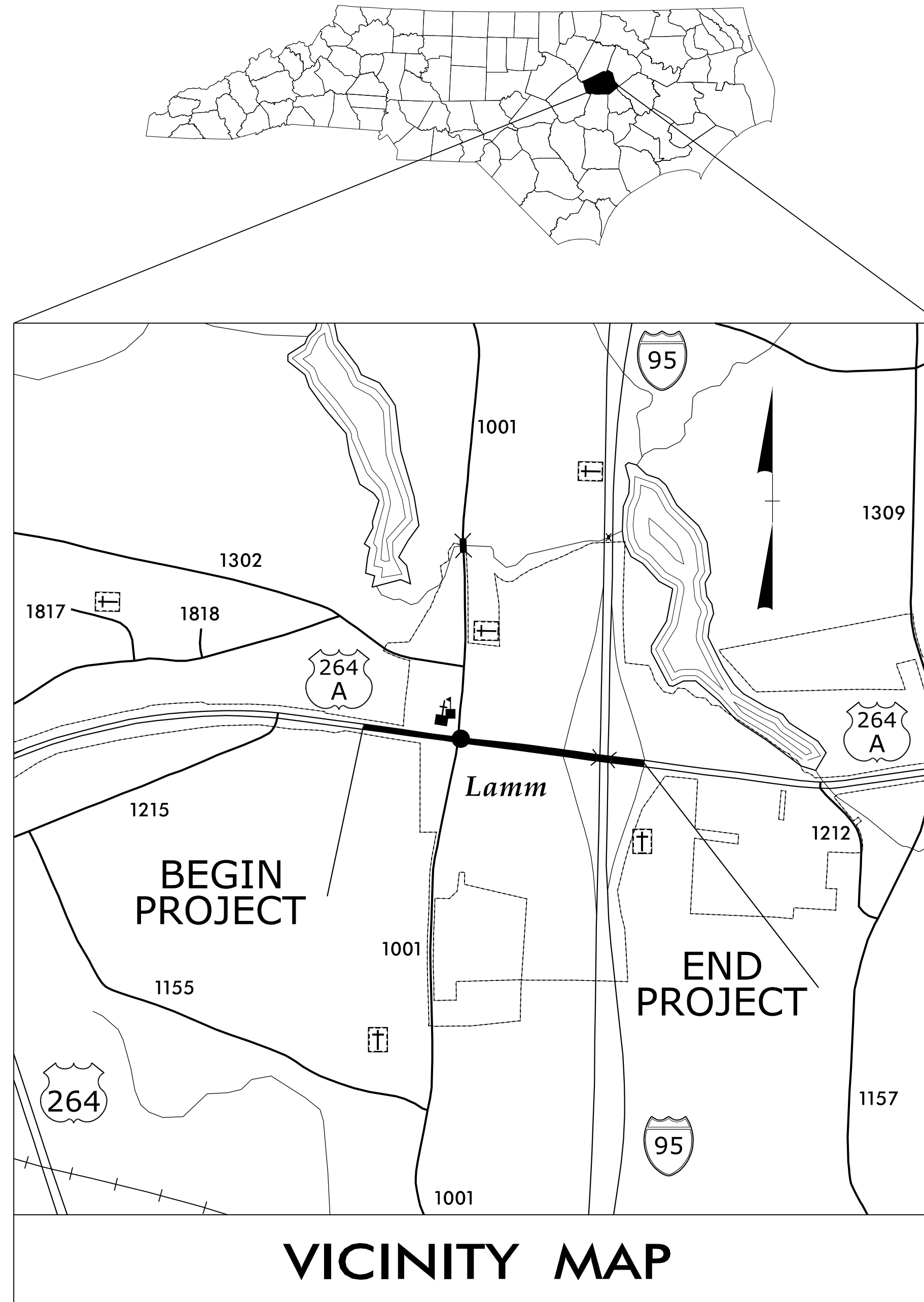


22-OCT-2018 10:13 AM W-5601DQ.DDC4-PRO.PSH.dgn

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

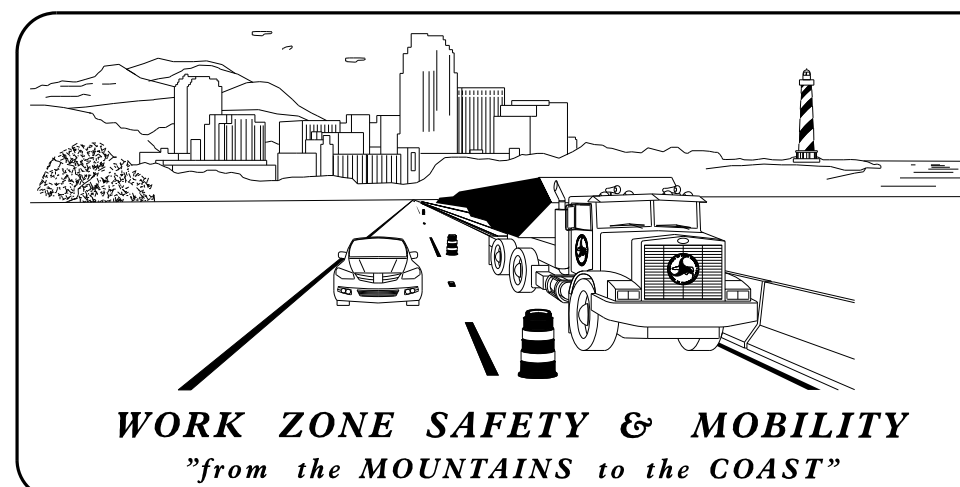
TRANSPORTATION MANAGEMENT PLAN

WILSON COUNTY



VICINITY MAP

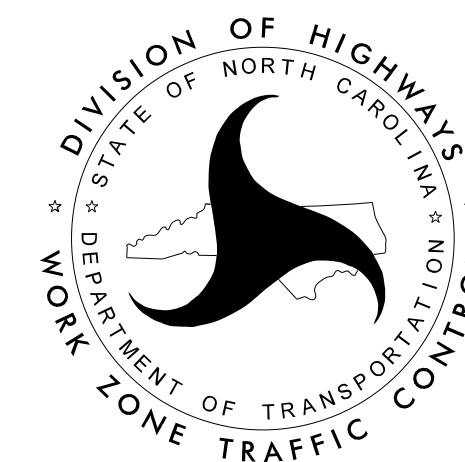
NCDOT CONTACT INFORMATION:
Phone: 252 640 6428
ADDISON GAINEY, PE
Project Team Lead
NCDOT Division 4



PLAN PREPARED FOR N.C.D.O.T. BY:

TGS ENGINEERS
804-C N. LAFAYETTE ST
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275

TOMMY REGISTER, PE **PROJECT ENGINEER**
PAUL SCHULKEN, EI **DESIGN ENGINEER**



INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, AND TEMPORARY PAVEMENT MARKING SCHEDULE
TMP-1B	TRANSPORTATION OPERATIONS PLAN: (GENERAL NOTES)
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APPROVED: *Clifton T. Register*
DATE: 10/17/2018 | 2:12 PM EDT

SEAL



SHEET NO.
TMP-1

PROJECT: W-5601DQ

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ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUM
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1165.01	WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINEATION
1180.01	SKINNY-DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION

LEGEND

GENERAL

- DIRECTION OF TRAFFIC FLOW
- DIRECTION OF PEDESTRIAN TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.
- TEMP. SHORING (LOCATION PURPOSES ONLY)
- WORK AREA
- REMOVAL

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- DRUM
- SKINNY DRUM
- TUBULAR MARKER
- TEMPORARY CRASH CUSHION
- FLASHING ARROW BOARD
- FLAGGER
- LAW ENFORCEMENT
- TRUCK MOUNTED ATTENUATOR (TMA)
- CHANGEABLE MESSAGE SIGN

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

PAVEMENT MARKERS

- CRYSTAL/CRYSTAL
- YELLOW/YELLOW

PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

TEMPORARY PAVEMENT MARKING SCHEDULE

PAINT (4") (1X)

Code	Description	Quantity
PA	WHITE EDGELINE	1395 LF
PB	YELLOW EDGELINE	4700 LF
PC	10 FT. WHITE SKIP	1015 LF
PD	3 FT. -9 FT./SP WHITE MINISKIP	120 LF
PE	WHITE SOLID LANE LINE	2230 LF

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APPROVED: <i>Clifton T. Register</i> DATE: 10/17/2018 11:19 AM EDT SEAL 		<h2>ROADWAY STANDARD DRAWINGS, LEGEND, & TEMPORARY PAVEMENT MARKING SCHEDULE</h2>
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GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRE OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY THE ENGINEER.

TIME RESTRICTIONS

A) DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
-L- (US 264 ALT.)	MONDAY THROUGH FRIDAY 6:00 A.M. TO 9:00 A.M.
-L- (US 264 ALT.)	MONDAY THROUGH FRIDAY 4:00 P.M. TO 7:00 P.M.

B) DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

ROAD NAME

-L- (US 264 ALT.)

HOLIDAY

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S, BETWEEN THE HOURS OF 7:00 A.M. DECEMBER 31st TO 7:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 7:00 P.M. THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 7:00 A.M. THURSDAY AND 7:00 P.M. MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY TO 7:00 P.M. TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 7:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 7:00 P.M. THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 7:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 7:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.

- FOR LABOR DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY AND 7:00 P.M. TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 7:00 A.M. TUESDAY TO 7:00 P.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 7:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 7:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- C) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
- D) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.

- E) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- F) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- G) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- H) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:

BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.

BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.

BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.

- I) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 200 FT IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

- J) NOTIFY THE ENGINEER ONE MONTH PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

- K) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- L) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC BARRIER

- M) INSTALL TEMPORARY BARRIER ACCORDING TO THE TRANSPORTATION MANAGEMENT PLANS A MAXIMUM OF TWO (2) WEEKS PRIOR TO BEGINNING WORK IN ANY LOCATION. ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION PROCEED IN A CONTINUOUS MANNER TO COMPLETE THE PROPOSED WORK IN THAT LOCATION UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANAGEMENT PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHER THAN ASPHALT OR CONCRETE.

ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION AND NO WORK IS PERFORMED BEHIND THE TEMPORARY BARRIER FOR A PERIOD LONGER THAN TWO (2) MONTHS, REMOVE / RESET TEMPORARY BARRIER AT NO COST TO THE DEPARTMENT UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANAGEMENT PLANS, TEMPORARY BARRIER IS PROTECTING A HAZARD, OR AS DIRECTED BY THE ENGINEER.

INSTALL TEMPORARY BARRIER WITH THE TRAFFIC FLOW BEGINNING WITH THE UPSTREAM SIDE OF TRAFFIC. REMOVE TEMPORARY BARRIER AGAINST THE TRAFFIC FLOW BEGINNING WITH THE DOWNSTREAM SIDE OF TRAFFIC.

INSTALL AND SPACE DRUMS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH) TO CLOSE OR KEEP THE SECTION OF THE ROADWAY CLOSED UNTIL THE TEMPORARY BARRIER CAN BE PLACED OR AFTER THE TEMPORARY BARRIER IS REMOVED.

- N) PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER AT ALL TIMES DURING THE INSTALLATION AND REMOVAL OF THE BARRIER BY EITHER A TRUCK MOUNTED ATTENUATOR (MAXIMUM 72 HOURS) OR A TEMPORARY CRASH CUSHION.

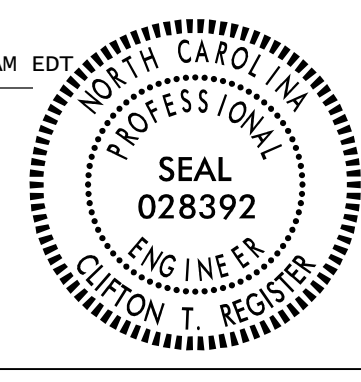

PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER FROM ONCOMING TRAFFIC AT ALL TIMES BY A TEMPORARY CRASH CUSHION UNLESS THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER IS OFFSET FROM ONCOMING TRAFFIC AS FOLLOWS OR AS SHOWN IN THE PLANS: (SEE ALSO 1101.05)

POSTED SPEED LIMIT	MINIMUM OFFSET
40 OR LESS	15 FT
45 - 50	20 FT
55	25 FT
60 MPH or HIGHER	30 FT

TRAFFIC CONTROL DEVICES

- O) PROTECT LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.
- P) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES DRUMS PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

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PROJ. REFERENCE NO.	SHEET NO.
W-5601DQ	TMP-1C

TCS ENGINEERS
 804-C. N. LAFAYETTE ST
 SHELBY, NC 28150
 PH (704) 476-0003
 CORP. LICENSE NO.: C-0275

GENERAL NOTES (CONT.)

PAVEMENT MARKINGS AND MARKERS

P) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING
US 264 ALT.	PAINT

Q) PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.

R) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

S) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

MISCELLANEOUS

T) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.

U) IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAY'S TIME, BRING THE TIE-IN AREA TO AN APPROPRIATE ROADWAY ELEVATION AS DETERMINED BY THE ENGINEER. PLACE BLACK ON ORANGE "LOOSE GRAVEL" SIGNS (W8-7) AND BLACK ON ORANGE "PAVEMENT ENDS" SIGNS (W8-3) 350 FT/MI AND 350 FT/MI RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.

V) SIGNAL MODIFICATION TO BE COMPLETED BY NCDOT TRAFFIC SERVICES.

MANAGEMENT STRATEGIES

ACCESS TO ALL DRIVEWAYS MUST BE PROVIDED AT ALL TIMES WITHIN THE PROJECT LIMITS.

PROVIDE ONE MONTH NOTICE TO THE ENGINEER, WILSON COUNTY EMERGENCY SERVICES, AND WILSON COUNTY SCHOOL OFFICIALS PRIOR TO CONSTRUCTION.

PHASING

PHASE I

STEP 1: USING ROADWAY STANDARD DRAWING (RSD) 1101.01, INSTALL ALL ADVANCE WARNING SIGNING.

STEP 2: USING RSD 1101.02, INSTALL TEMPORARY PAVEMENT MARKINGS AS SHOWN AND SHIFT TRAFFIC TO THE TEMPORARY PATTERN.

STEP 3: USING RSD 1101.04, COMPLETE -L- AND -Y- LINE SHOULDER CONSTRUCTION EXCLUDING THE FINAL LAYER OF SURFACE COURSE.

PHASE II

STEP 1: USING RSD 1101.02, INSTALL THE TEMPORARY LANE CLOSURE AND COMPLETE -L- AND -Y- LINE MEDIAN CONSTRUCTION INCLUDING THE FINAL LAYER OF SURFACE COURSE.

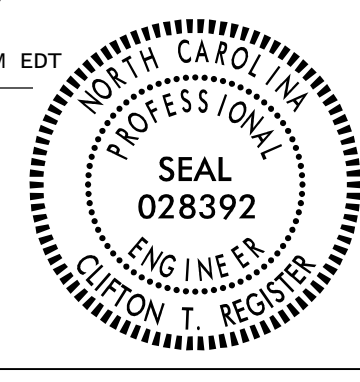

STEP 2: MILL, FILL, AND WEDGE TRAVEL LANES ON -L- AND -Y-, INCLUDING FINAL LAYER ON WIDENING COMPLETED DURING PHASE I STEP 3.

SEE RSD 1101.02.


STEP 3: INSTALL FINAL PAVEMENT MARKINGS AS SHOWN ON THE PAVEMENT MARKING PLANS. SHIFT TRAFFIC TO THE FINAL PATTERN.

STEP 4: REMOVE ALL REMAINING TRAFFIC CONTROL DEVICES AND OPEN -L- TO THE FINAL TRAFFIC PATTERN.

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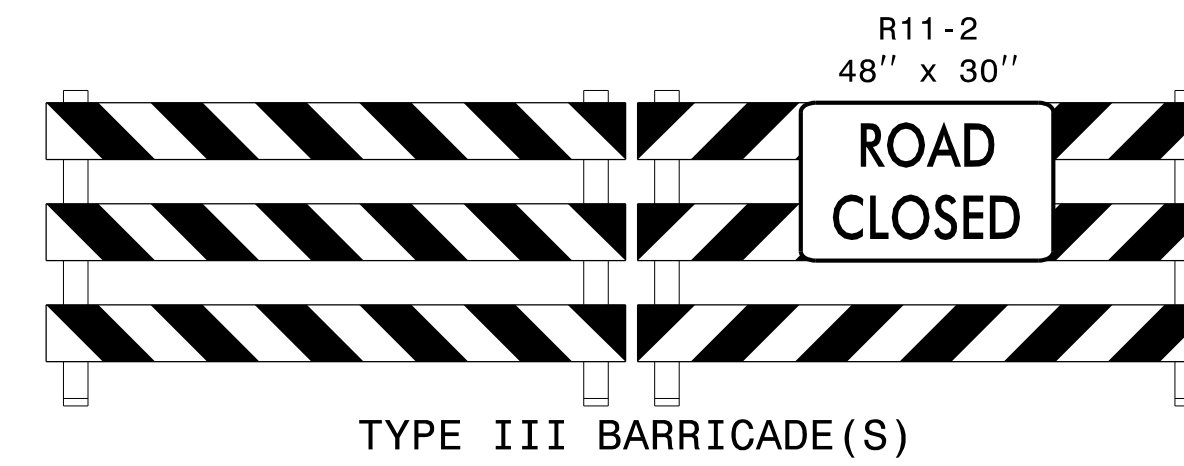
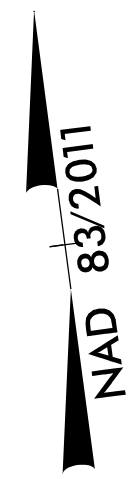
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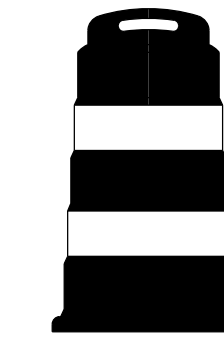
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W-5601DQ	TMP-2
 TGS ENGINEERS 804-C N. LAFAYETTE ST SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

PHASE I

- STEP 1: USING ROADWAY STANDARD DRAWING (RSD) 1101.01, INSTALL ALL ADVANCE WARNING SIGNING.
- STEP 2: USING RSD 1101.02, INSTALL TEMPORARY PAVEMENT MARKINGS AS SHOWN AND SHIFT TRAFFIC TO THE TEMPORARY PATTERN.
- STEP 3: USING RSD 1101.04, COMPLETE -L- AND -Y- LINE SHOULDER CONSTRUCTION EXCLUDING THE FINAL LAYER OF SURFACE COURSE.



1

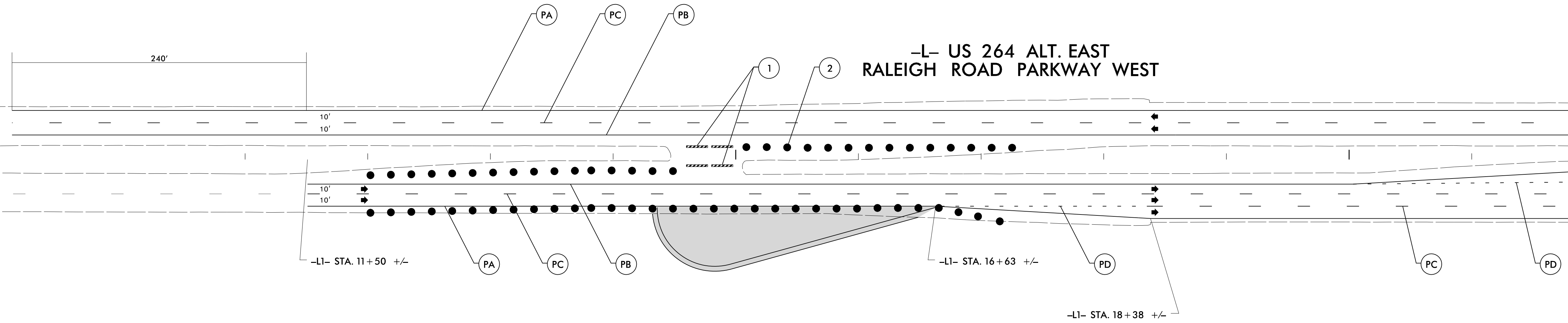


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MATCHLINE -L- STA. 22+00.00
SEE SHEET TMP-3



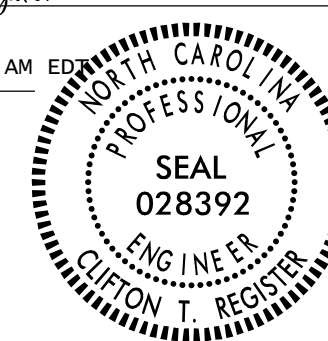
**NOTE: REMOVE EXISTING PAVEMENT MARKINGS
 PLACE TEMPORARY PAVEMENT MARKINGS
 TIE TO EXISTING PAVEMENT MARKINGS**

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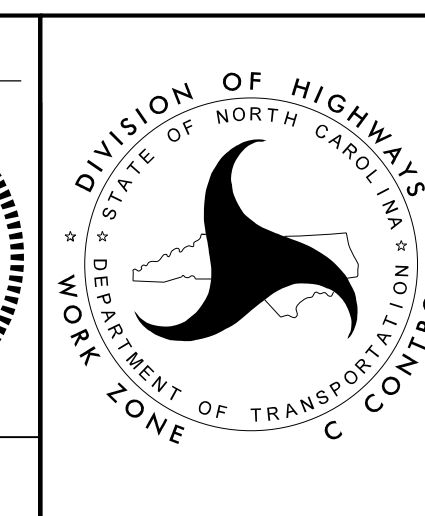
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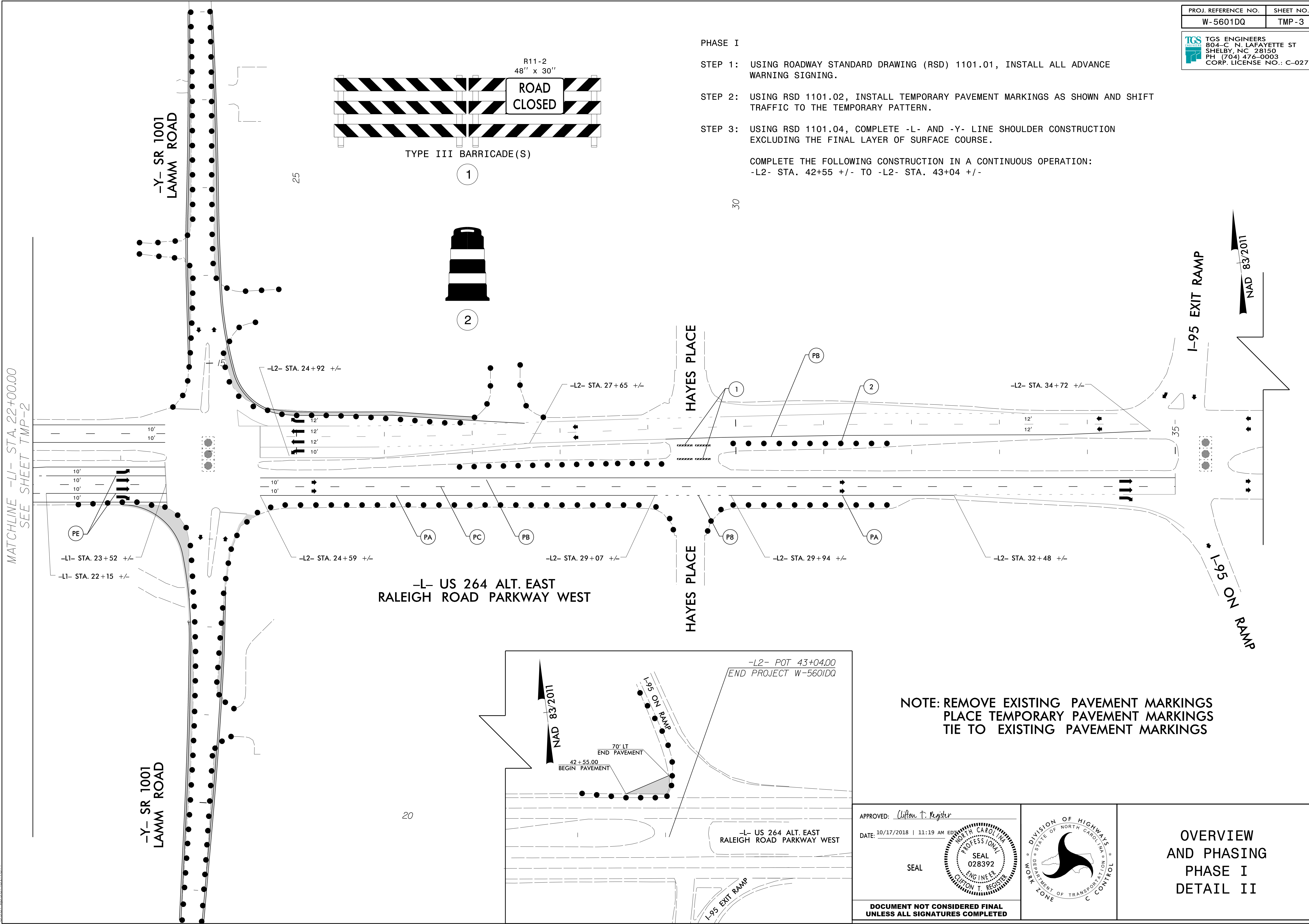
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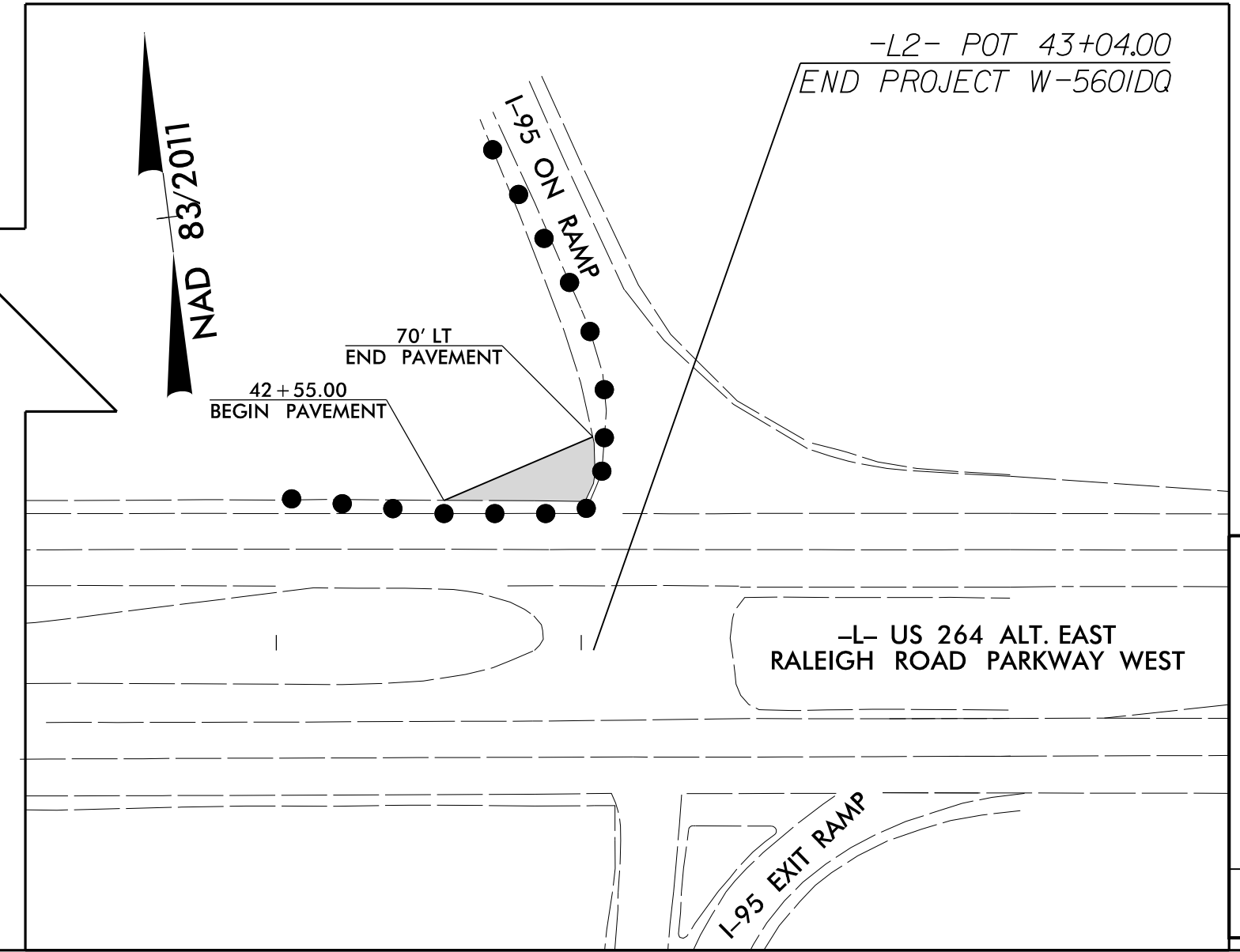
**OVERVIEW
 AND PHASING
 PHASE I
 DETAIL I**

- PHASE I
- STEP 1: USING ROADWAY STANDARD DRAWING (RSD) 1101.01, INSTALL ALL ADVANCE WARNING SIGNING.
 - STEP 2: USING RSD 1101.02, INSTALL TEMPORARY PAVEMENT MARKINGS AS SHOWN AND SHIFT TRAFFIC TO THE TEMPORARY PATTERN.
 - STEP 3: USING RSD 1101.04, COMPLETE -L- AND -Y- LINE SHOULDER CONSTRUCTION EXCLUDING THE FINAL LAYER OF SURFACE COURSE.
- COMPLETE THE FOLLOWING CONSTRUCTION IN A CONTINUOUS OPERATION:
-L2- STA. 42+55 +/- TO -L2- STA. 43+04 +/-

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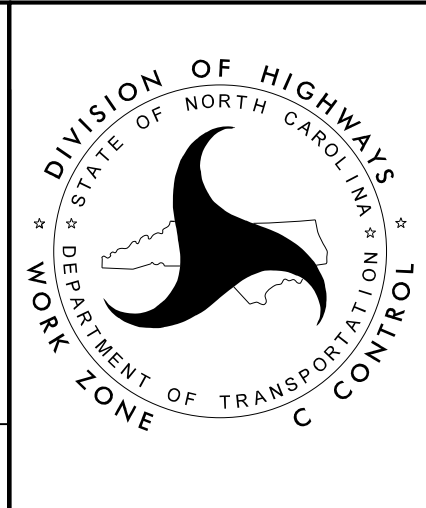


MATCHLINE -L- STA. 22+00.00
 SEE SHEET TMP-2




NOTE: REMOVE EXISTING PAVEMENT MARKINGS
PLACE TEMPORARY PAVEMENT MARKINGS
TIE TO EXISTING PAVEMENT MARKINGS

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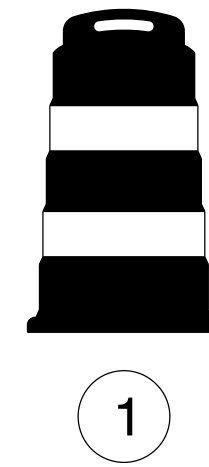
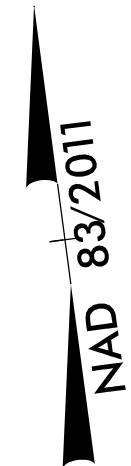


OVERVIEW
AND PHASING
PHASE I
DETAIL II

PROJ. REFERENCE NO.	SHEET NO.
W-5601DQ	TMP-4
 TGS ENGINEERS 804-C N. LAFAYETTE ST SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

PHASE II

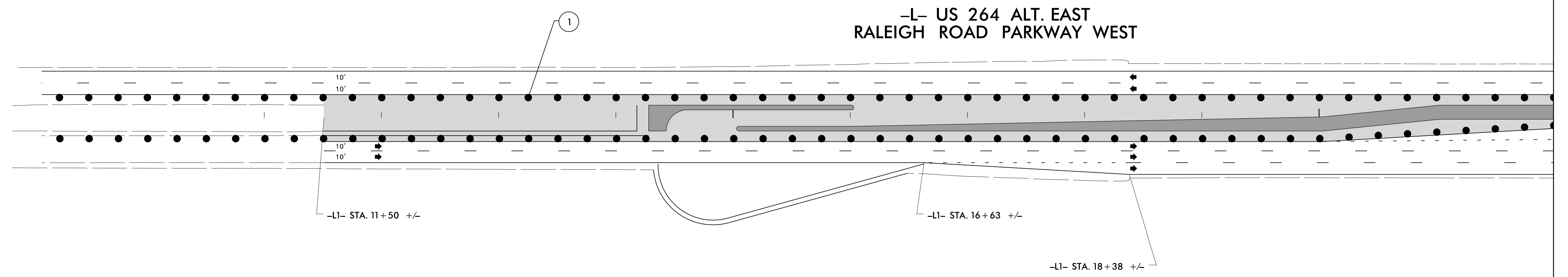
- STEP 1: USING RSD 1101.02, INSTALL THE TEMPORARY LANE CLOSURE AND COMPLETE -L- AND -Y- LINE MEDIAN CONSTRUCTION INCLUDING THE FINAL LAYER OF SURFACE COURSE.
- STEP 2: MILL, FILL, AND WEDGE TRAVEL LANES ON -L- AND -Y-, INCLUDING FINAL LAYER ON WIDENING COMPLETED DURING PHASE I STEP 3.
- SEE RSD 1101.02.
- STEP 3: INSTALL FINAL PAVEMENT MARKINGS AS SHOWN ON THE PAVEMENT MARKING PLANS. SHIFT TRAFFIC TO THE FINAL PATTERN.
- STEP 4: REMOVE ALL REMAINING TRAFFIC CONTROL DEVICES AND OPEN -L- TO THE FINAL TRAFFIC PATTERN.



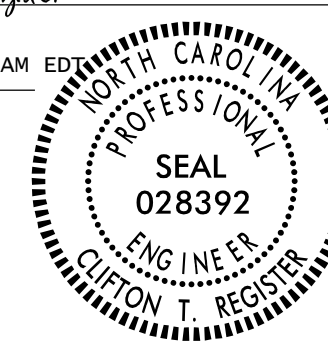

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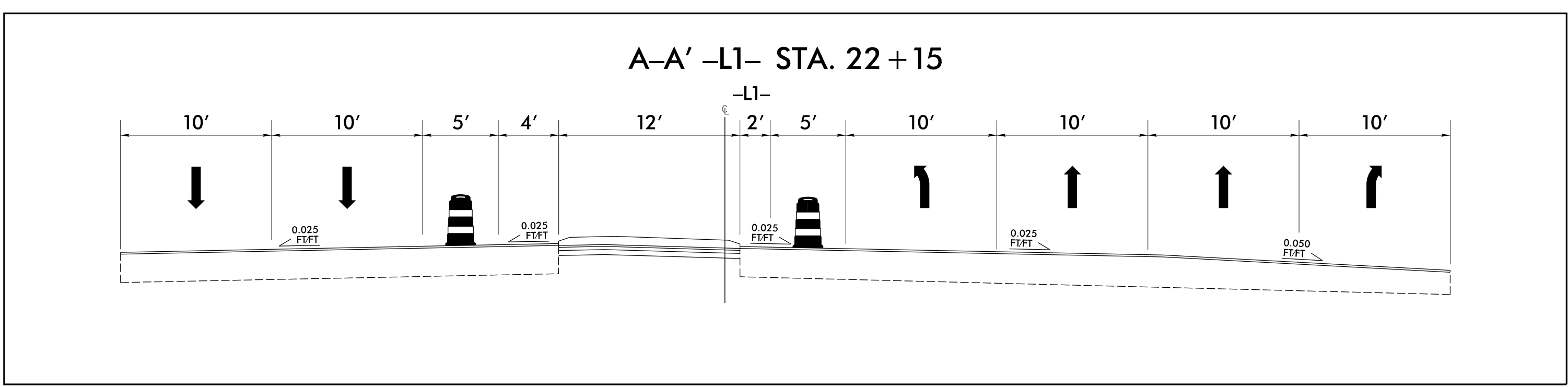
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MATCHLINE -L- STA. 22+00.00
 SEE SHEET TMP-5

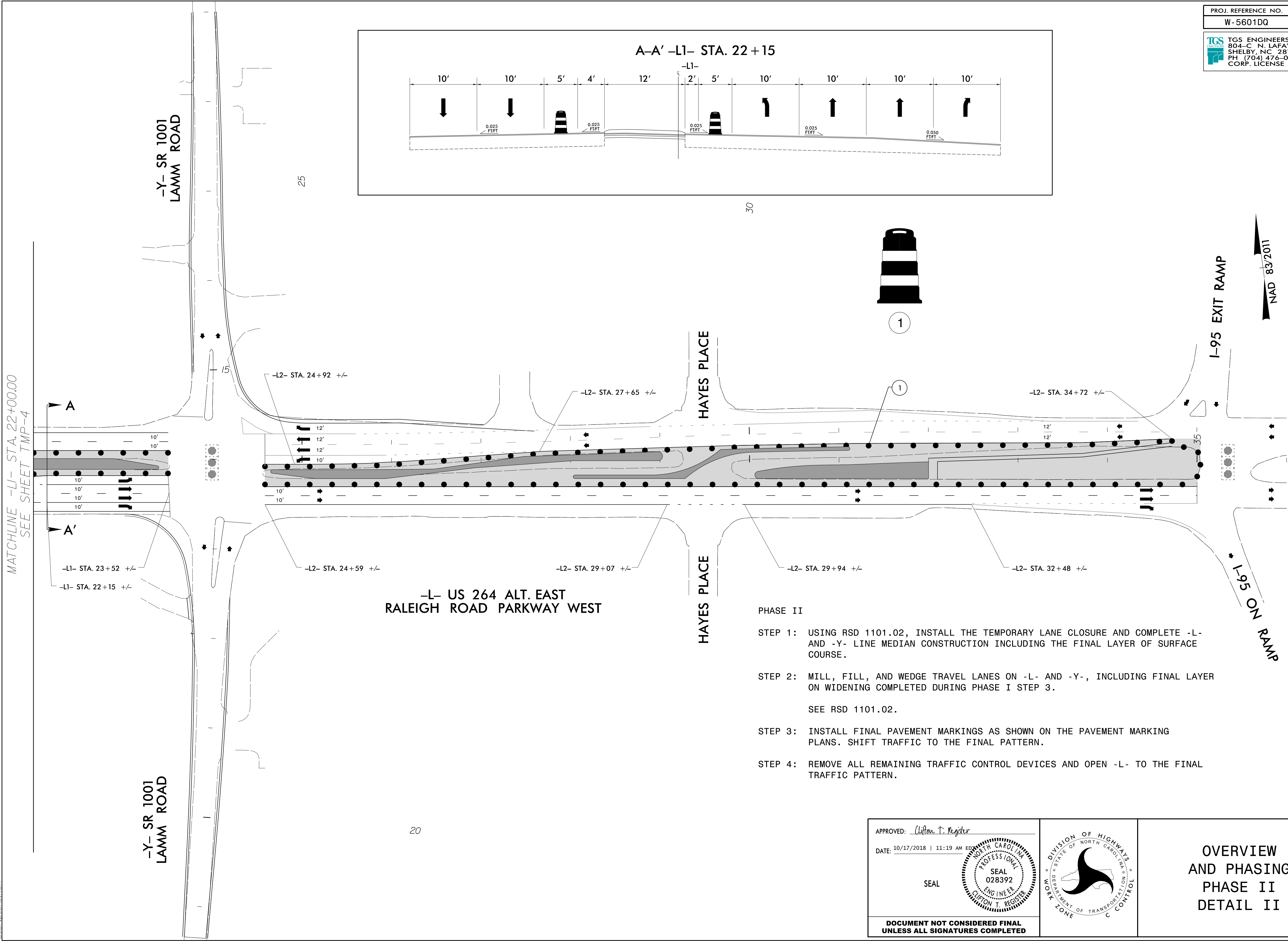


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<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		



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PHASE II

- STEP 1: USING RSD 1101.02, INSTALL THE TEMPORARY LANE CLOSURE AND COMPLETE -L- AND -Y- LINE MEDIAN CONSTRUCTION INCLUDING THE FINAL LAYER OF SURFACE COURSE.
- STEP 2: MILL, FILL, AND WEDGE TRAVEL LANES ON -L- AND -Y-, INCLUDING FINAL LAYER ON WIDENING COMPLETED DURING PHASE I STEP 3.

SEE RSD 1101.02.
- STEP 3: INSTALL FINAL PAVEMENT MARKINGS AS SHOWN ON THE PAVEMENT MARKING PLANS. SHIFT TRAFFIC TO THE FINAL PATTERN.
- STEP 4: REMOVE ALL REMAINING TRAFFIC CONTROL DEVICES AND OPEN -L- TO THE FINAL TRAFFIC PATTERN.

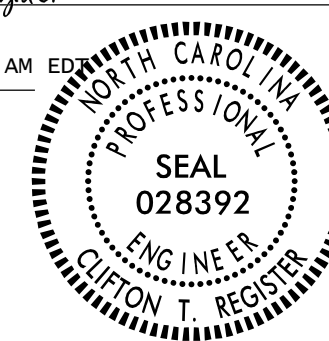
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10/17/2018
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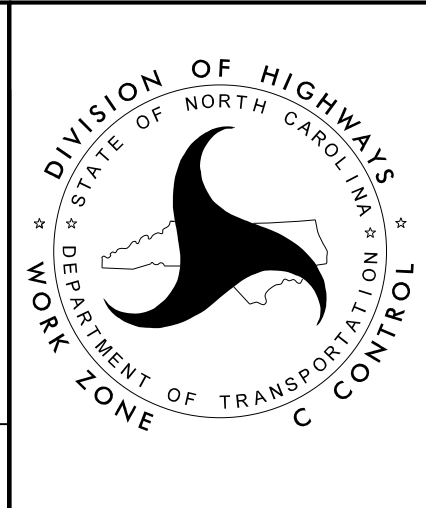
APPROVED: *Clifton T. Register*

DATE: 10/17/2018 | 11:19 AM EDT


SEAL



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



**OVERVIEW
AND PHASING
PHASE II
DETAIL II**

TIP NO. W-5601DQ	SHEET NO. PMP-1
APPROVED: <i>Clifton T. Register</i>	
DATE: 10/17/2018 | 11:08 AM EDT	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
WILSON COUNTY**

**LOCATION: US 264 ALTERNATE (RALEIGH ROAD PARKWAY) AT HAYES
PLACE AND MEDIAN CROSSOVER 900 FEET WEST OF LAMM ROAD**

T.I.P.: W-5601DQ

ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1205.15	PAVEMENT MARKINGS - SUPERSTREETS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
1253.01	RAISED PAVEMENT MARKERS - SNOWPLOWABLE

**FINAL PAVEMENT MARKING
SCHEDULE & QUANTITIES**

SYMBOL	DESCRIPTION	QUANTITY
PAVEMENT MARKINGS		
THERMOPLASTIC (4", 90 MILS)		
TA	WHITE EDGELINE	6100 LF
TB	YELLOW EDGELINE	5010 LF
THERMOPLASTIC (4", 120 MILS)		
T8	2 FT. - 6 FT./SP WHITE MINISKIP	60 LF
T9	2 FT. - 6 FT./SP YELLOW MINISKIP	55 LF
TC	10 FT. WHITE SKIP	1430 LF
TD	3 FT. - 9 FT./SP WHITE MINISKIP	520 LF
TE	WHITE SOLID LANE LINE	1670 LF
TI	YELLOW DOUBLE CENTER	3030 LF
THERMOPLASTIC (8", 90 MILS)		
TN	WHITE GORE LINE	1340 LF
TO	WHITE DIAGONAL	105 LF
TP	YELLOW DIAGONAL	110 LF
THERMOPLASTIC (24", 120 MILS)		
T2	WHITE STOPBAR	260 LF
THERMOPLASTIC PAVEMENT MARKING SYMBOLS (90 MILS)		
UA	LEFT TURN ARROW	14 EA
UB	RIGHT TURN ARROW	6 EA
UC	STRAIGHT ARROW	10 EA
UE	COMBO STRAIGHT/RIGHT ARROW	4 EA
UP	MERGE ARROW	4 EA
UT	U-TURN ARROW LEFT	3 EA
PAVEMENT MARKERS		
SNOWPLOWABLE RAISED PAVEMENT MARKERS		
MF	CRYSTAL & RED	305 EA

GENERAL NOTES

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.

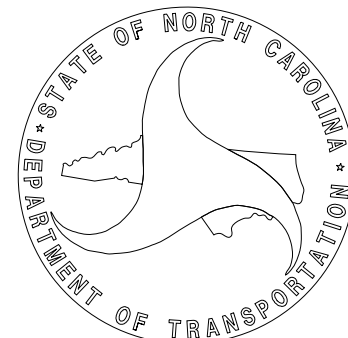
- A) INSTALL PAVEMENT MARKINGS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING	MARKER
ALL	THERMOPLASTIC	SNOWPLOWABLE RAISED
- B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
- D) PASSING ZONES WILL BE DETERMINED IN THE FIELD AND MUST BE APPROVED BY THE ENGINEER.
- E) STOPBAR LOCATION AT NON-SIGNALIZED INTERSECTIONS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.

PLAN PREPARED FOR N.C.D.O.T. BY:

TGS ENGINEERS
804-C N. LAFAYETTE ST
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275

TOMMY REGISTER, PE PROJECT ENGINEER
PAUL SCHULKEN, EI DESIGN TECHNICIAN



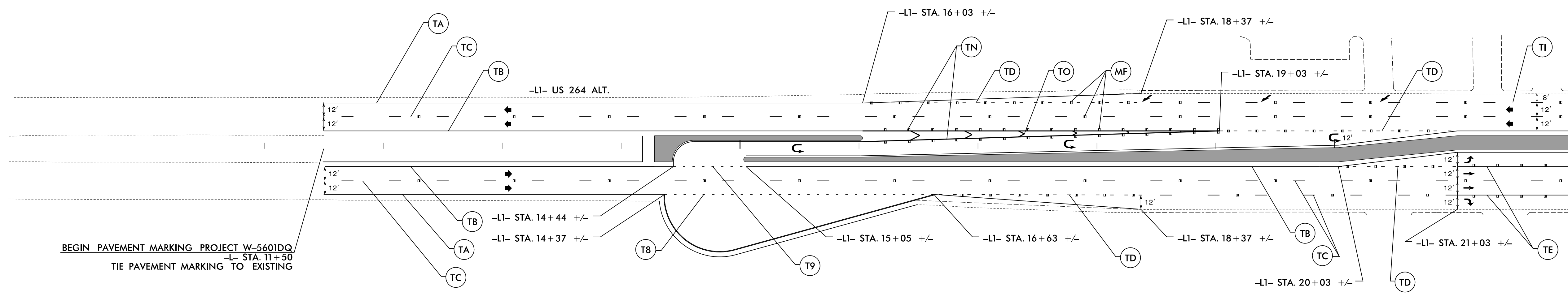
INDEX

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE, INDEX OF SHEETS, LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, GENERAL NOTES AND FINAL PAVEMENT MARKING SCHEDULE & QUANTITIES
PMP-2-3	PAVEMENT MARKING DETAIL

CONTRACT:

TIP NO. W-5601DQ	SHEET NO. PMP-2
APPROVED: <i>Clifton T. Register</i>	
DATE: 10/17/2018 | 11:08 AM EDT	
SEAL	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
TGS ENGINEERS 804-C N. LAFAYETTE ST SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

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BEGIN PAVEMENT MARKING PROJECT W-5601DQ
-LI- STA. 11+50
TIE PAVEMENT MARKING TO EXISTING

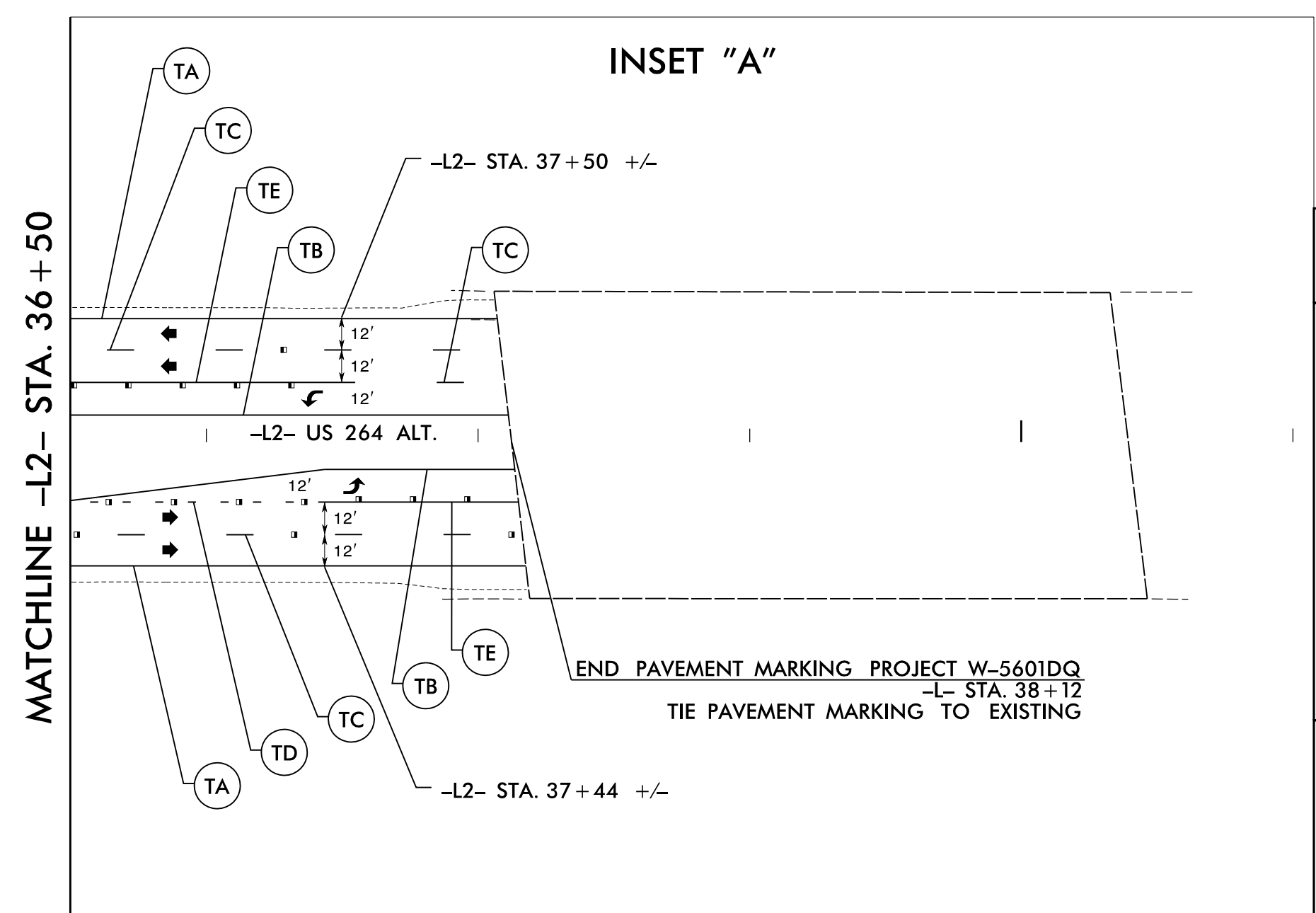
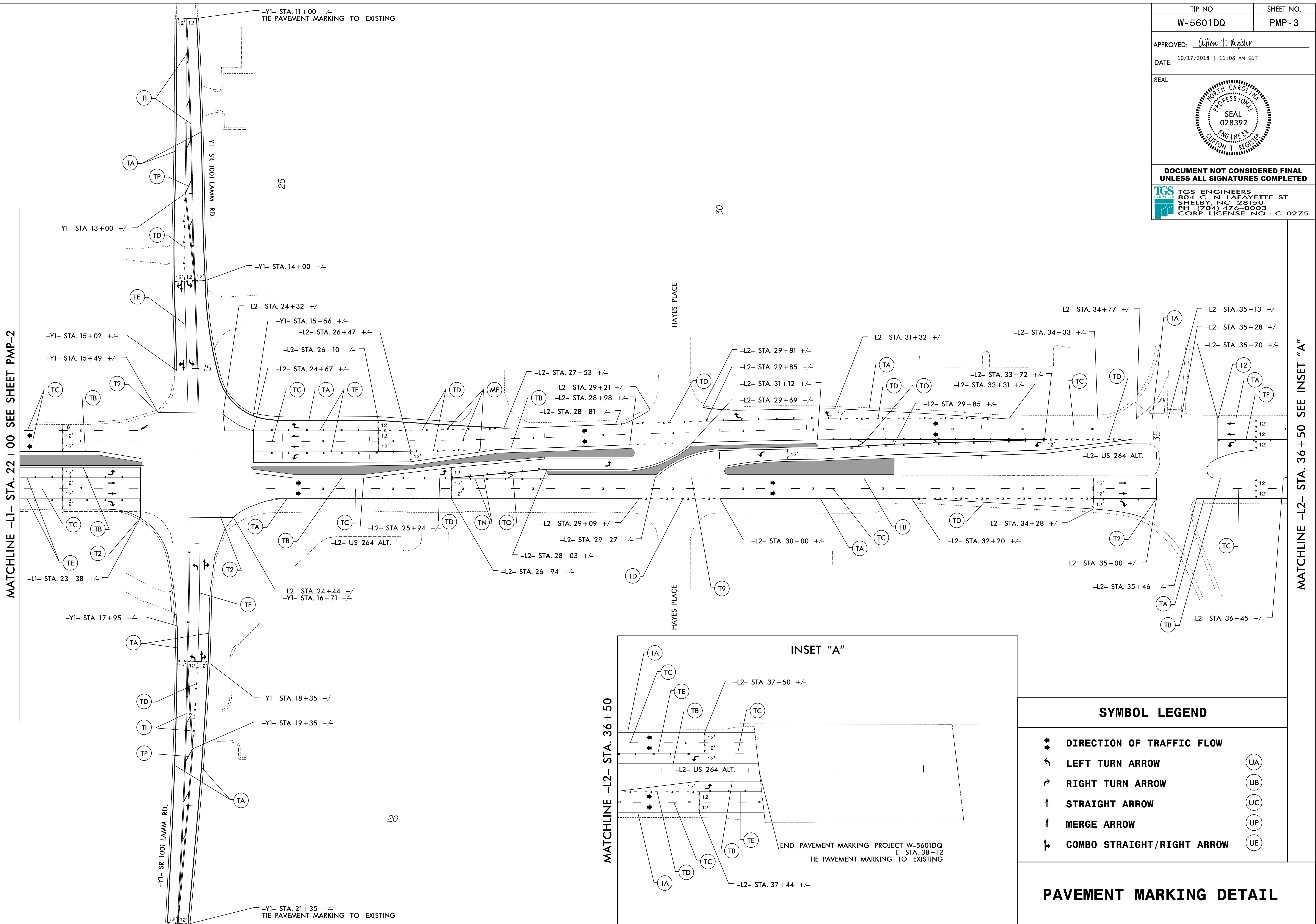
-LI- US 264 ALT.

SYMBOL LEGEND	
	DIRECTION OF TRAFFIC FLOW
	LEFT TURN ARROW (UA)
	RIGHT TURN ARROW (UB)
	STRAIGHT ARROW (UC)
	MERGE ARROW (UP)
	U-TURN ARROW LEFT (UT)

PAVEMENT MARKING DETAIL

MATCHLINE -LI- STA. 22 +00 SEE SHEET PMP-3

TIP NO.	SHEET NO.
W-5601DQ	PMP-3
APPROVED: <i>Clifton T. Register</i>	
DATE: 10/17/2018 | 11:08 AM EDT	
SEAL	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
TGS ENGINEERS 804-C N. LAFAYETTE ST SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	



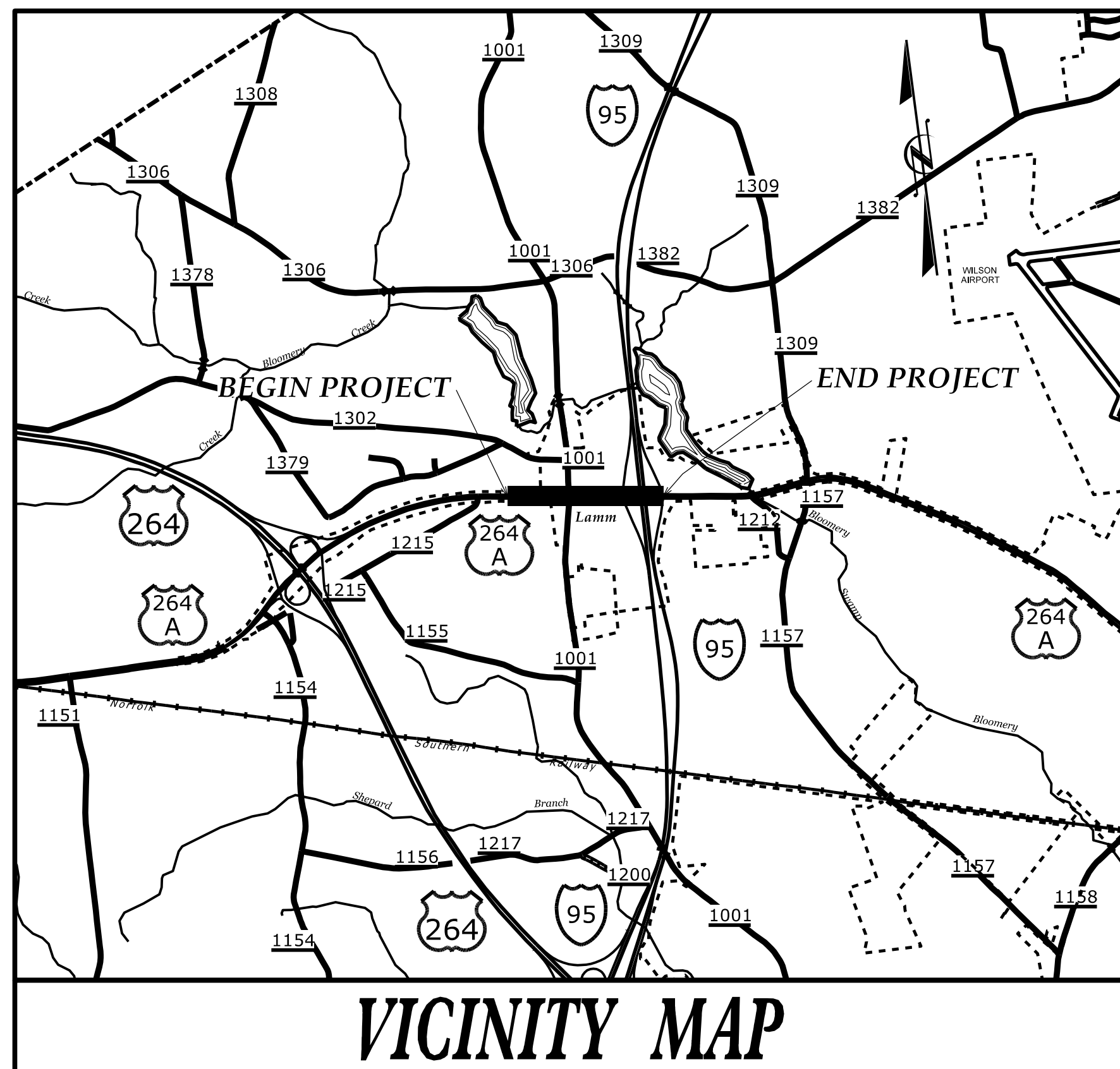
SYMBOL LEGEND			
	STRAIGHT ARROW		UA
	LEFT TURN ARROW		UB
	RIGHT TURN ARROW		UC
	MERGE ARROW		UP
	COMBO STRAIGHT/RIGHT ARROW		UE

10/17/2018
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 User:pschulken

MATCHLINE -L1- STA. 22 + 00 SEE SHEET PMP-2

MATCHLINE -L2- STA. 36 + 50 SEE INSET "A"

TIP PROJECT: W-5601DQ

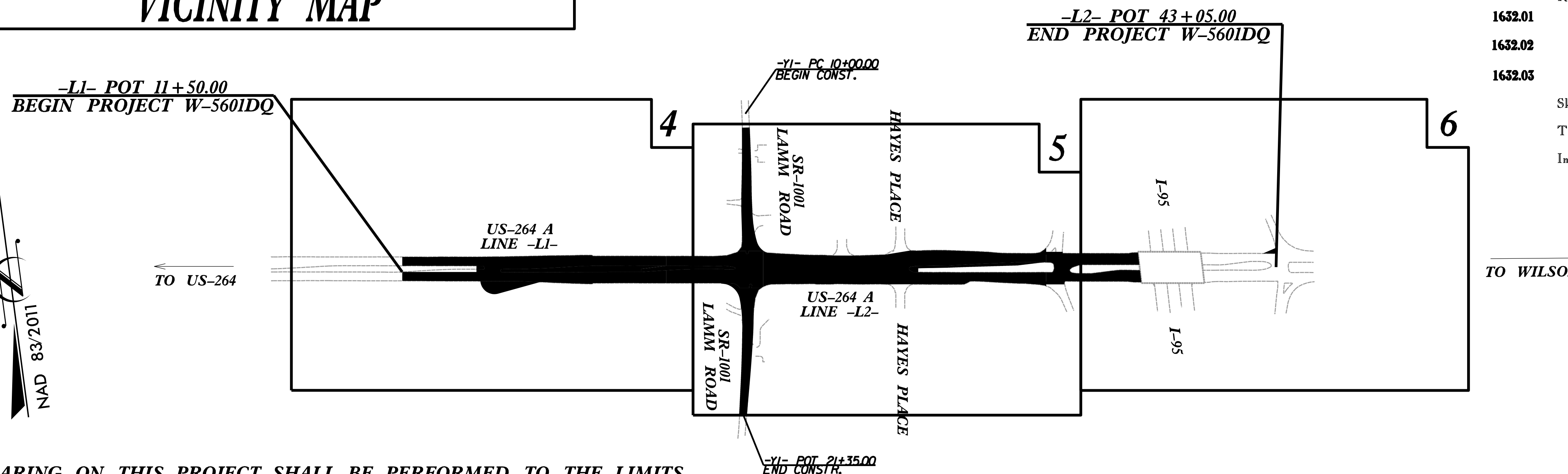


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
**PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL**

WILSON COUNTY

**LOCATION: US 264 ALTERNATE (RALEIGH ROAD PARKWAY) AT
HAYES PLACE AND MEDIAN CROSSOVER 900 FEET
WEST OF LAMM ROAD.**

TYPE OF WORK: GRADING, DRAINAGE AND PAVING



CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III. A PORTION OF THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF WILSON.

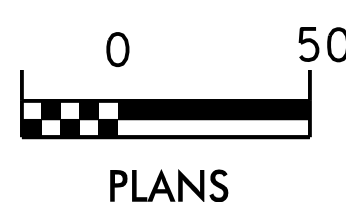
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W-5601DQ	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
50138.1.122	HSIP-0264(061)	PE	

EROSION AND SEDIMENT CONTROL MEASURES

Sed. #	Description	Symbol
1630.03	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)	—
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	—
1632.02	Type B	—
1632.03	Type C	—
	Skimmer Basin	—
	Tiered Skimmer Basin	—
	Infiltration Basin	—

**THIS PROJECT CONTAINS
EROSION CONTROL PLANS
FOR CLEARING AND
GRUBBING PHASE OF
CONSTRUCTION.**

GRAPHIC SCALE



THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 1, 2016 AND ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER RESOURCES.

Prepared In the Office of:



TGS ENGINEERS
706 HILLSBOROUGH ST
SUITE 200
RALEIGH, NC 27603

PH (919) 773-8887
CORP. LICENSE NO.:
C-0275

Designed by:

BEN J. HENEGAR, PE
NAME

3564
LEVEL III CERTIFICATION NO.

2018 STANDARD SPECIFICATIONS

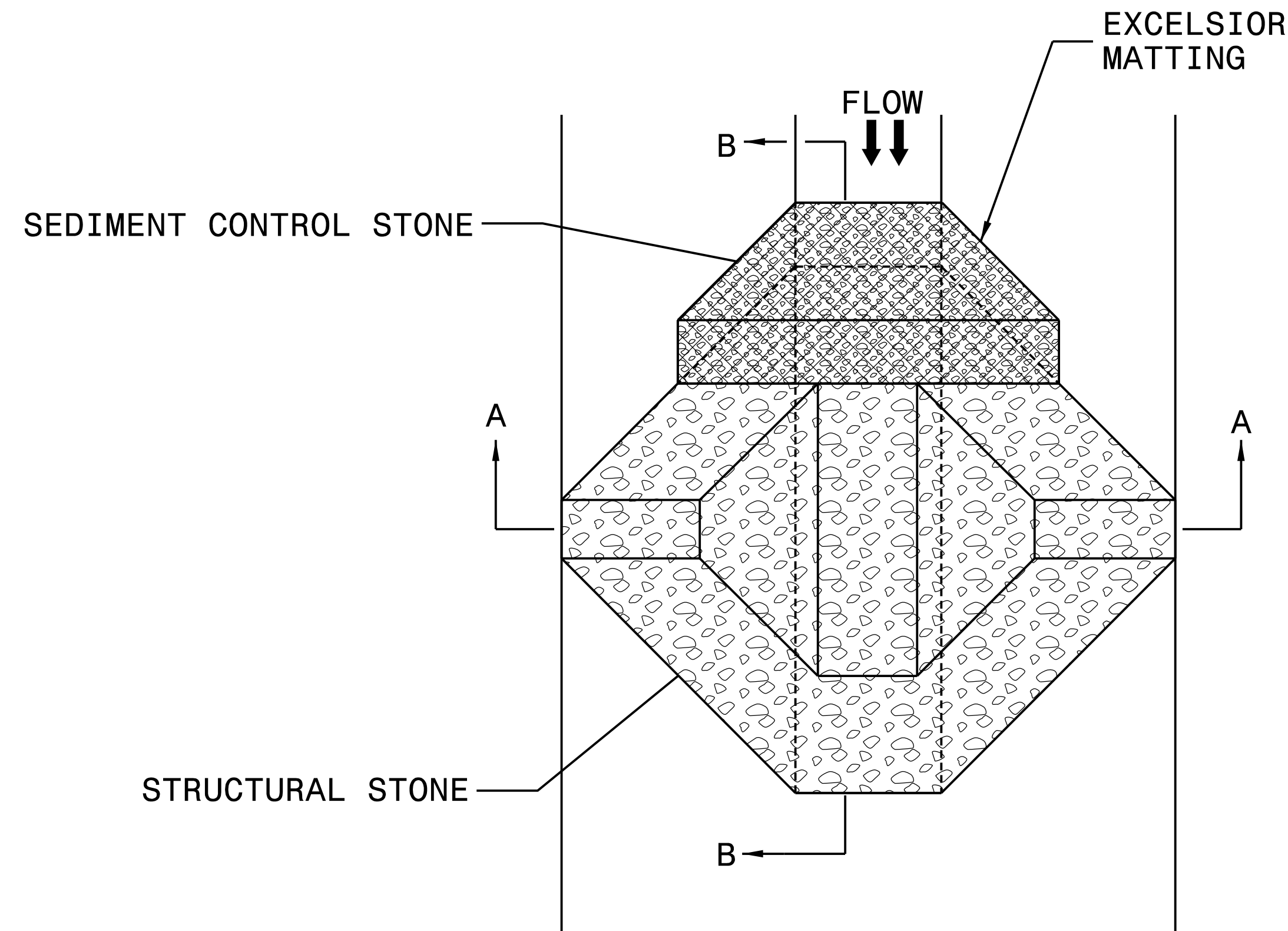
Roadway Standard Drawings

The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2018 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1604.01 Railroad Erosion Control Detail	1632.01 Rock Inlet Sediment Trap Type A
1605.01 Temporary Silt Fence	1632.02 Rock Inlet Sediment Trap Type B
1606.01 Special Sediment Control Fence	1632.03 Rock Inlet Sediment Trap Type C
1607.01 Gravel Construction Entrance	1633.01 Temporary Rock Silt Check Type A
1622.01 Temporary Berms and Slope Drains	1633.02 Temporary Rock Silt Check Type B
1630.01 Riser Basin	1633.03 Temporary Rock Silt Check Type C
1630.02 Silt Basin Type 3	1634.01 Temporary Rock Sediment Dam Type A
1630.03 Temporary Silt Ditch	1634.02 Temporary Rock Sediment Dam Type B
1630.04 Stilling Basin	1635.01 Rock Pipe Inlet Sediment Trap Type A
1630.05 Temporary Diversion	1635.02 Rock Pipe Inlet Sediment Trap Type B
1630.06 Special Stilling Basin	1640.01 Coir Fiber Wattle
1631.01 Matting Installation	1645.01 Temporary Stream Crossing

PROJECT REFERENCE NO. W-5601DQ	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TEMPORARY ROCK SILT CHECK TYPE 'A' WITH EXCELSIOR MATTING AND POLYACRYLAMIDE (PAM)



PLAN

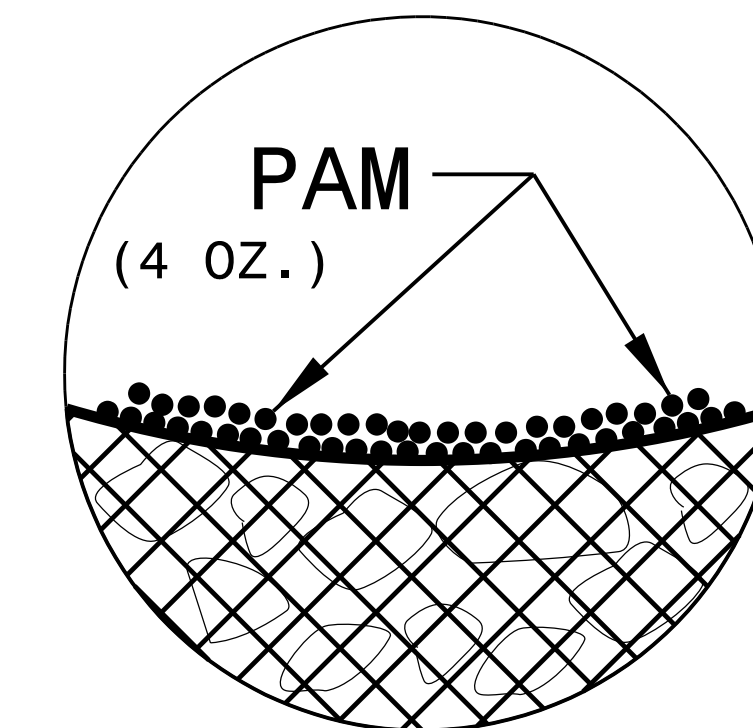
NOTES:

INSTALL TEMPORARY ROCK SILT CHECK TYPE A IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1633.01.

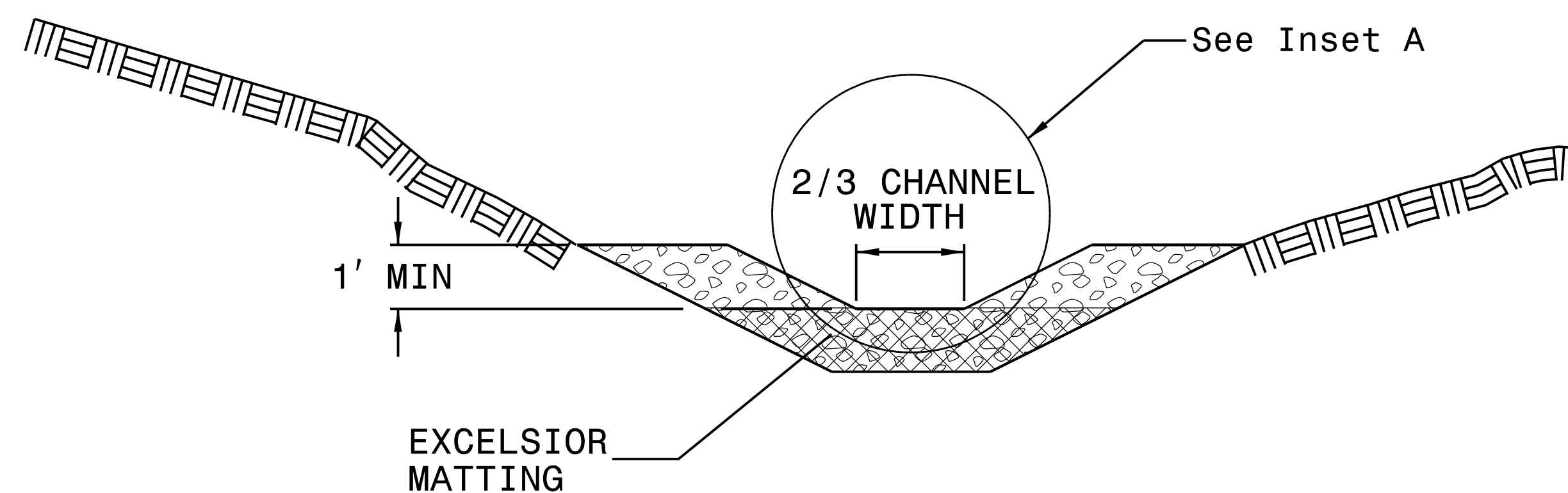
USE EXCELSIOR FOR MATTING MATERIAL AND ANCHOR MATTING SECTION AT TOP AND BOTTOM WITH CLASS B STONE.

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 ROCK SILT CHECK.

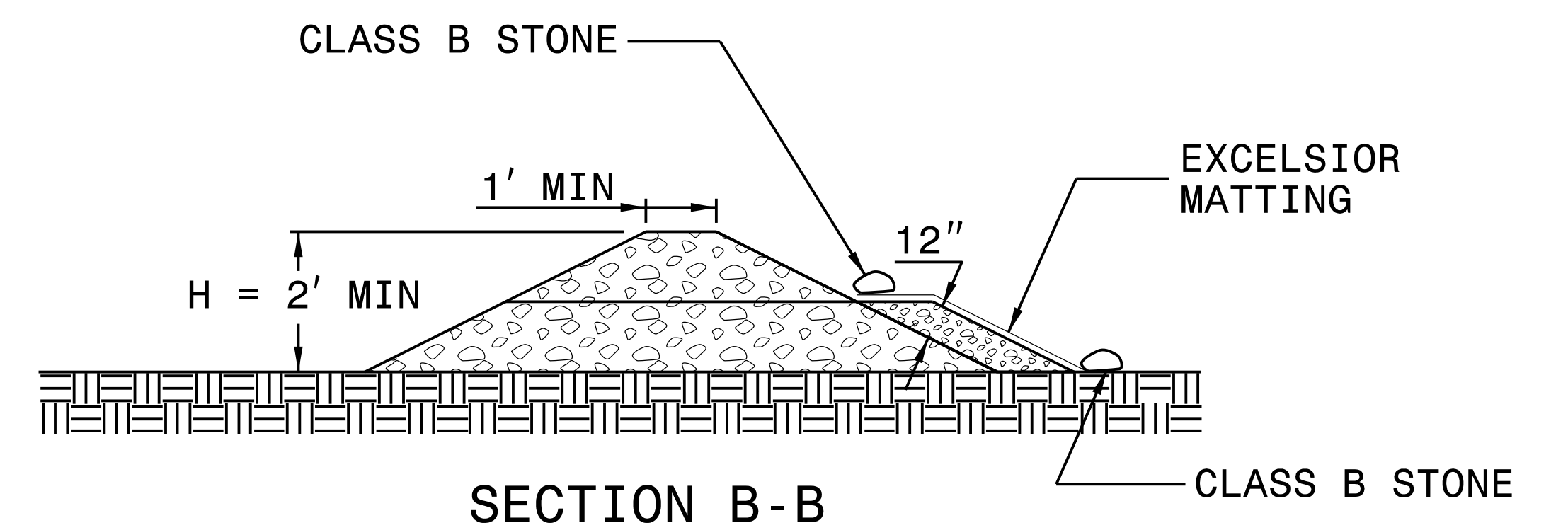
INITIALLY APPLY 4 OUNCES OF POLYACRYLAMIDE (PAM) TO TOP OF MATTING SECTION AND AFTER EVERY RAINFALL EVENT THAT EQUALS OR EXCEEDS 0.50 INCHES.



INSET A



SECTION A-A

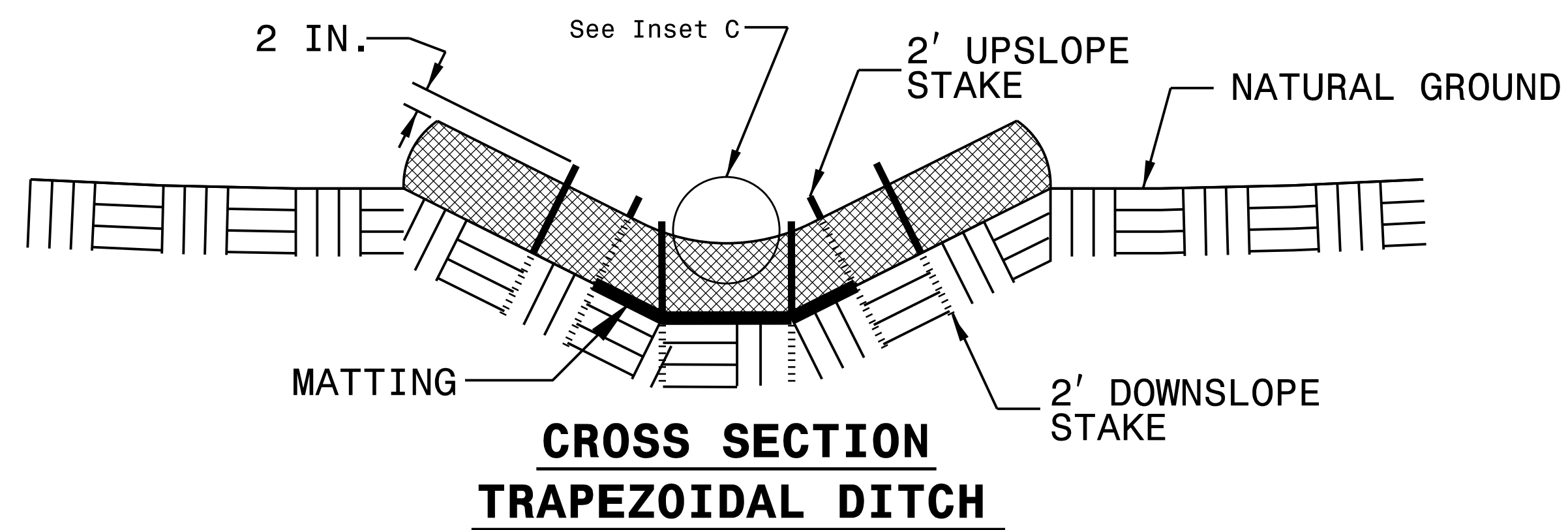
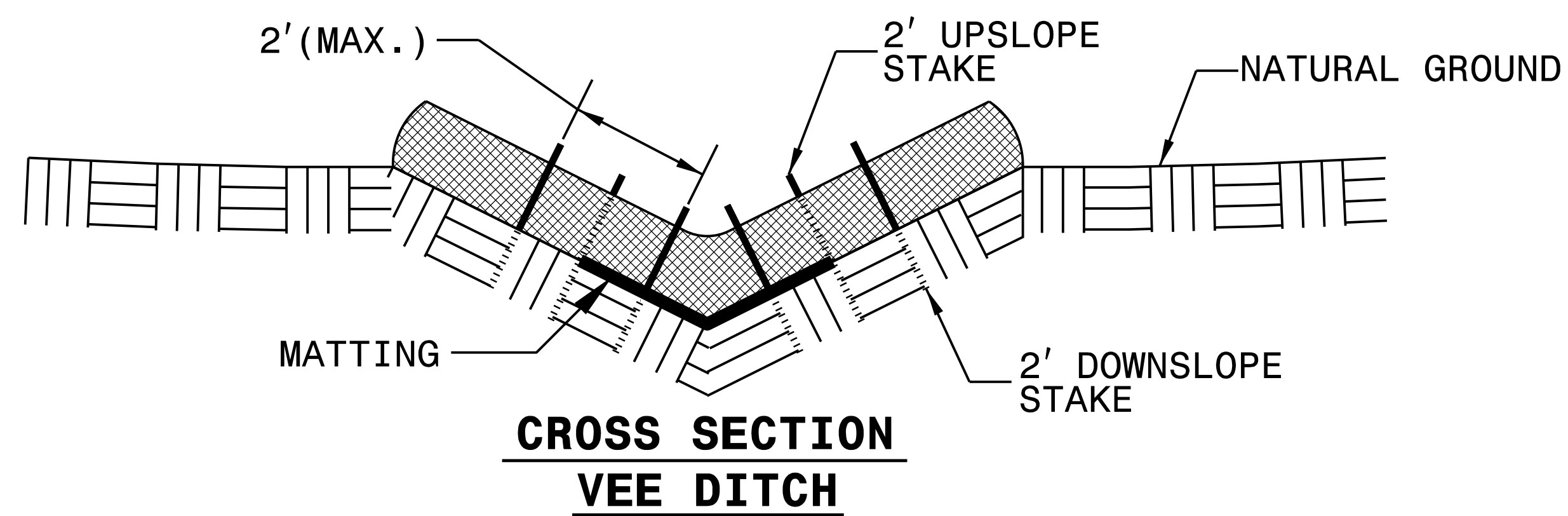
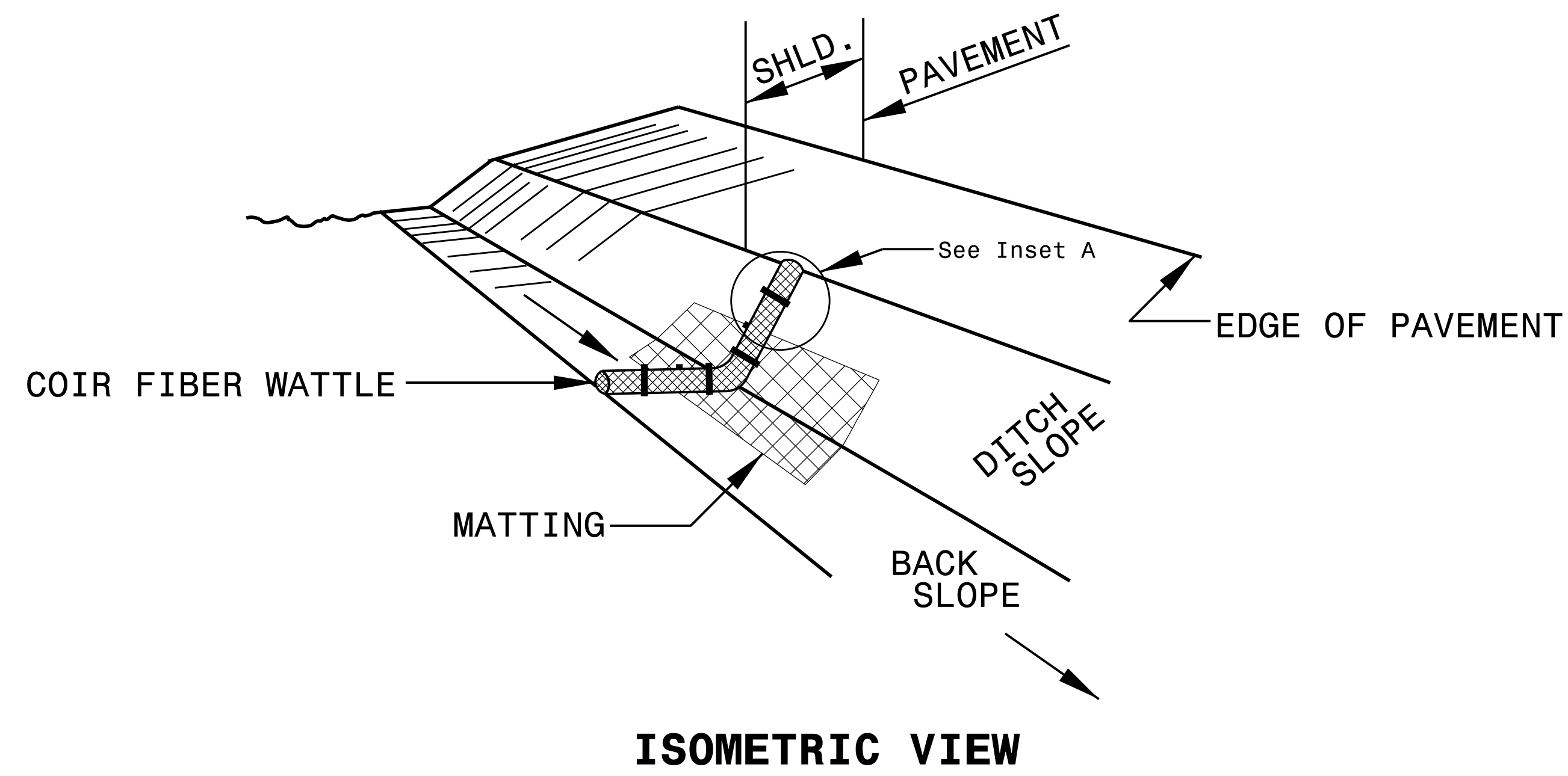


SECTION B-B

NOT TO SCALE

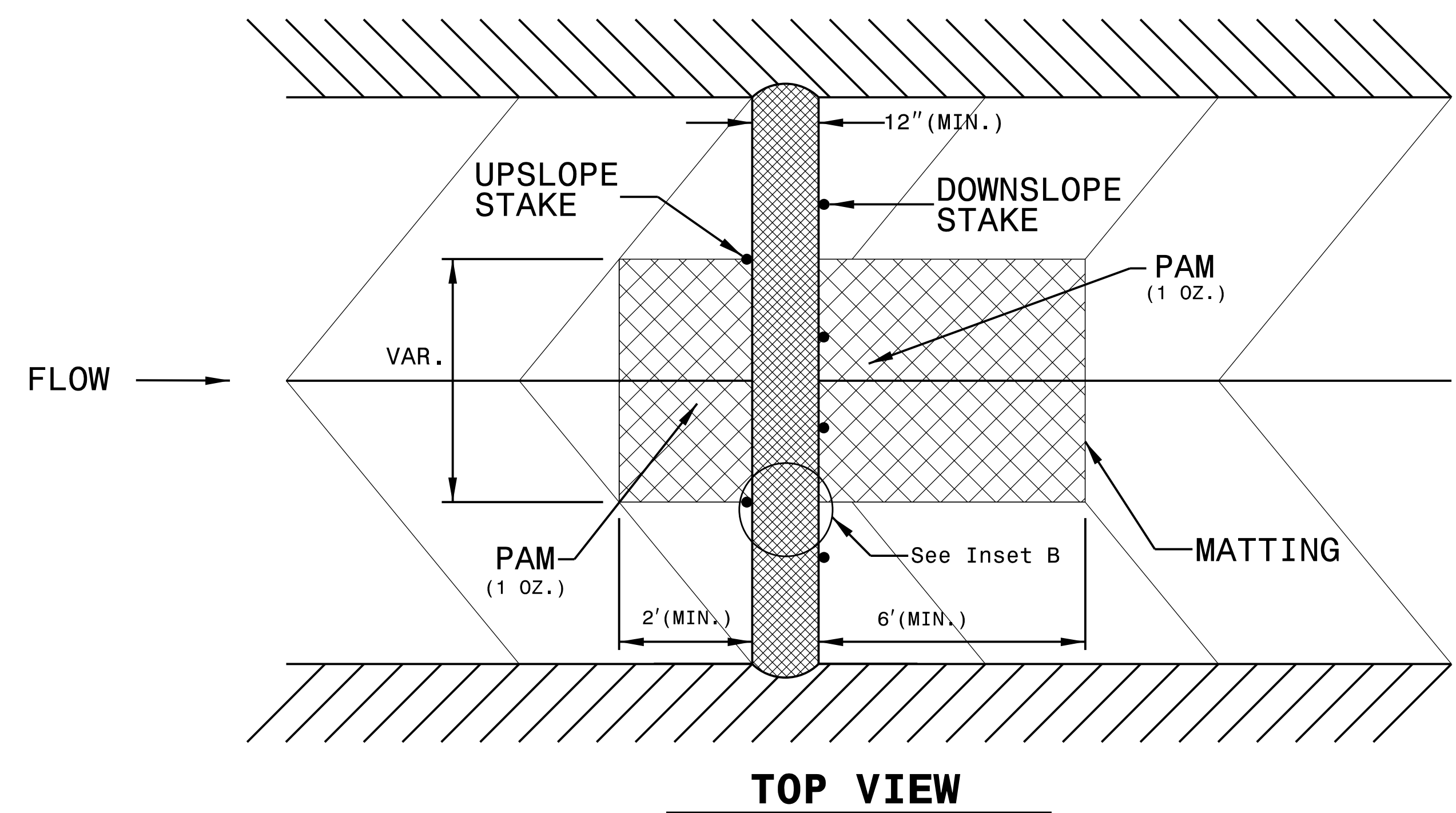
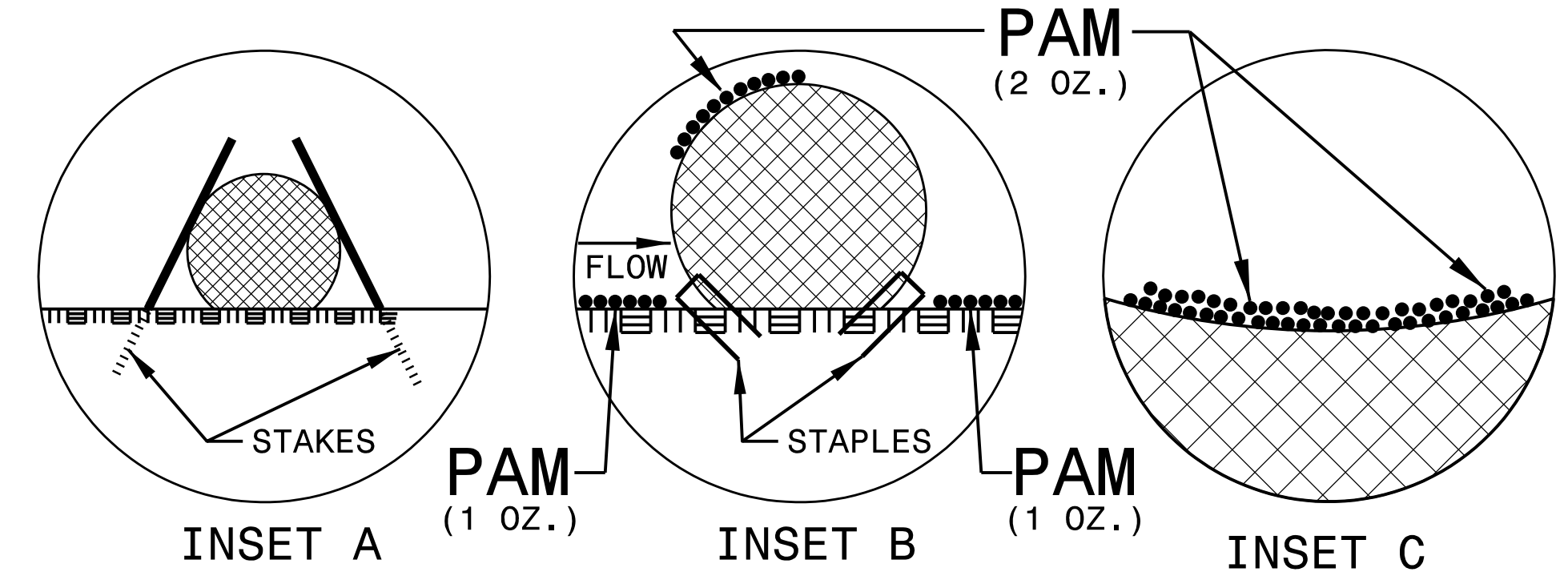
PROJECT REFERENCE NO. W-5601DQ	SHEET NO. EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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 EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.



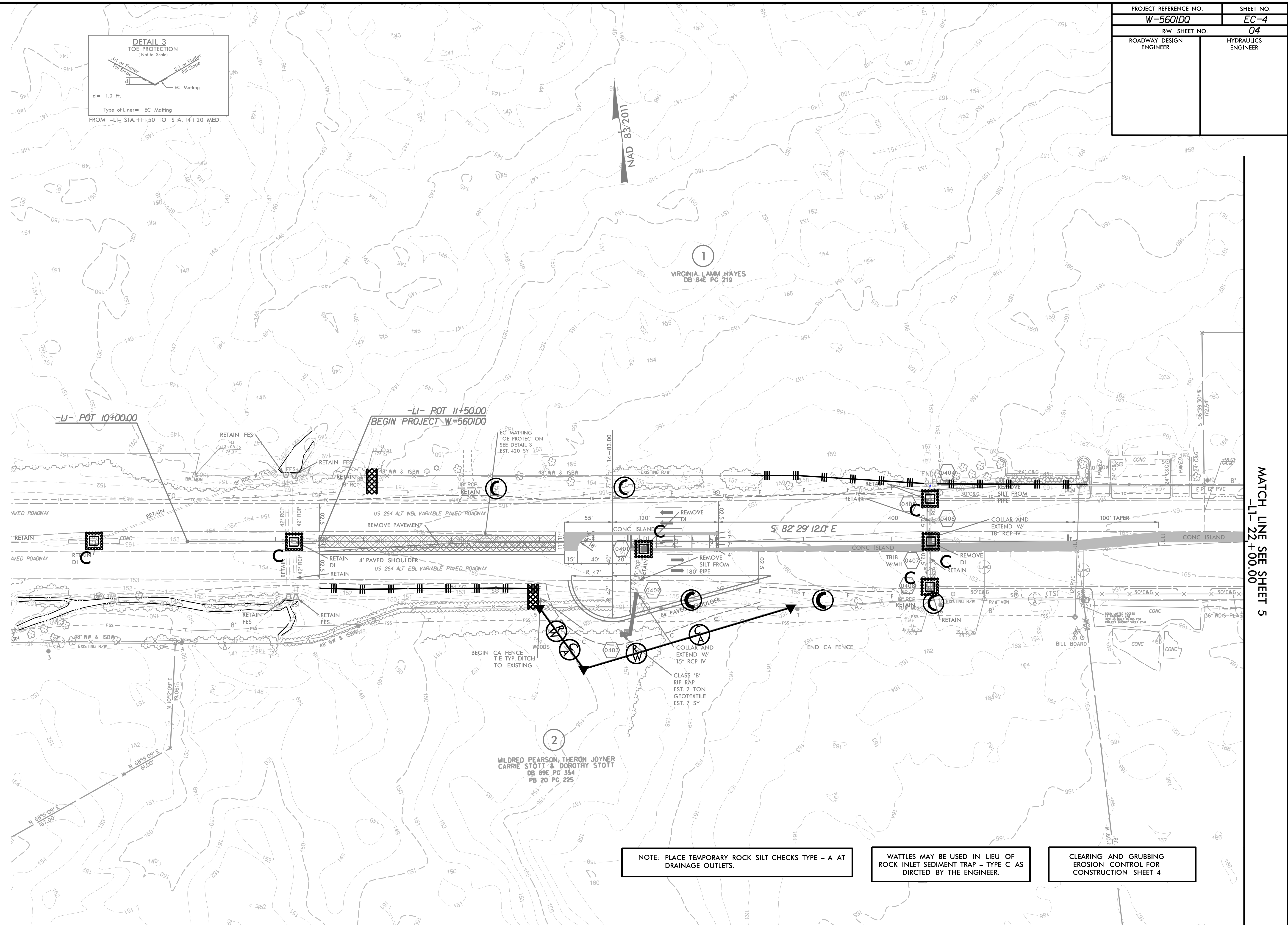
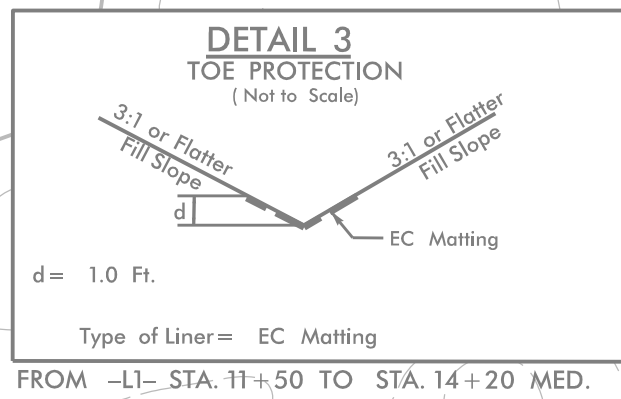
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
<i>W-560/DQ</i>	<i>EC-3</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.

PROJECT REFERENCE NO.	SHEET NO.
W-5601DQ	EC-4
R/W SHEET NO.	04
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



NOTE: PLACE TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

WATLES MAY BE USED IN LIEU OF ROCK INLET SEDIMENT TRAP - TYPE C AS DIRCTED BY THE ENGINEER.

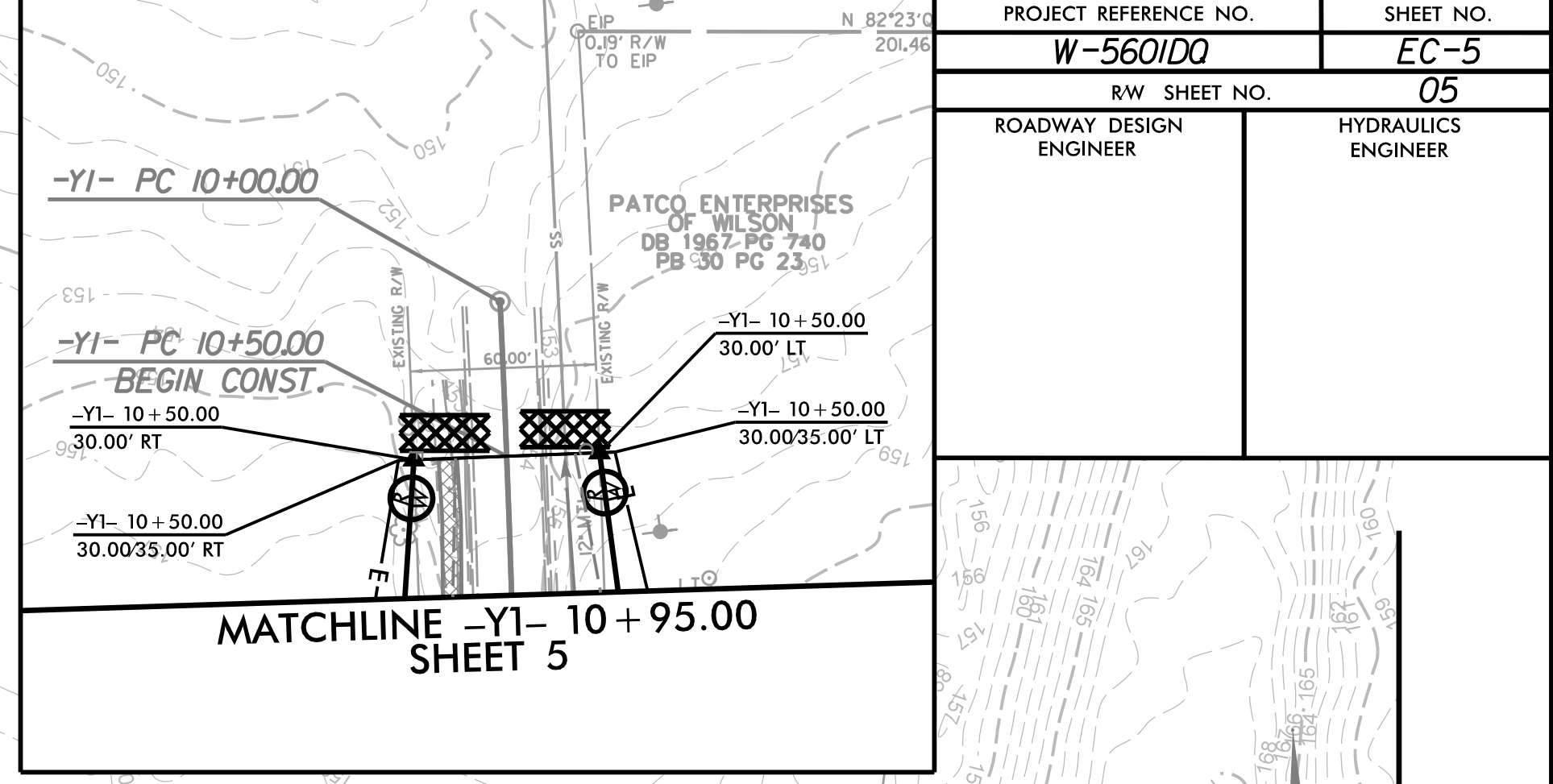
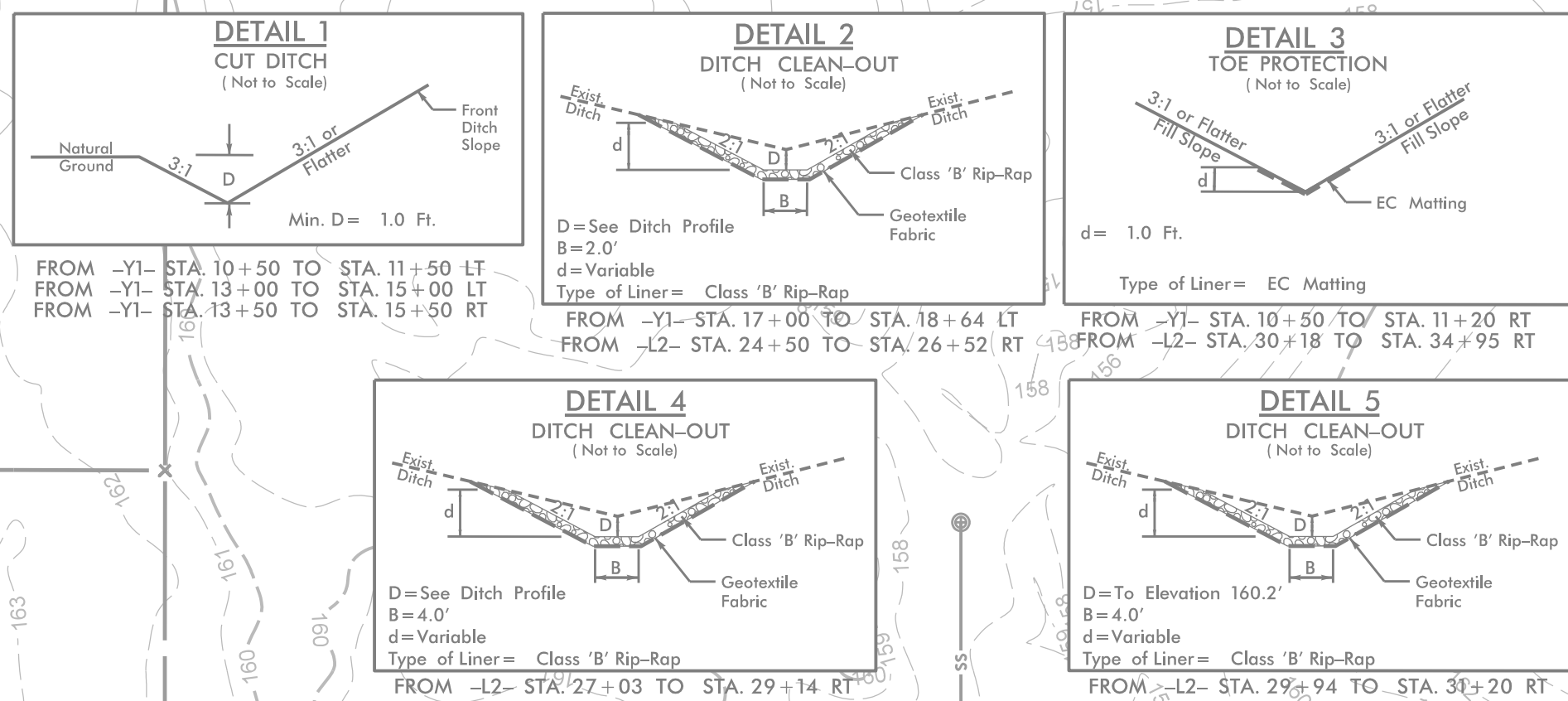
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 4

MATCH LINE SEE SHEET 5
-LI- 22+00.00

9/7/2018 9:17:09 AM X:\6000\Division 4 (W-5601)\W-5601DQ\Environmental\Design\W-5601DQ_DDC4_C&G_PSH04.dgn

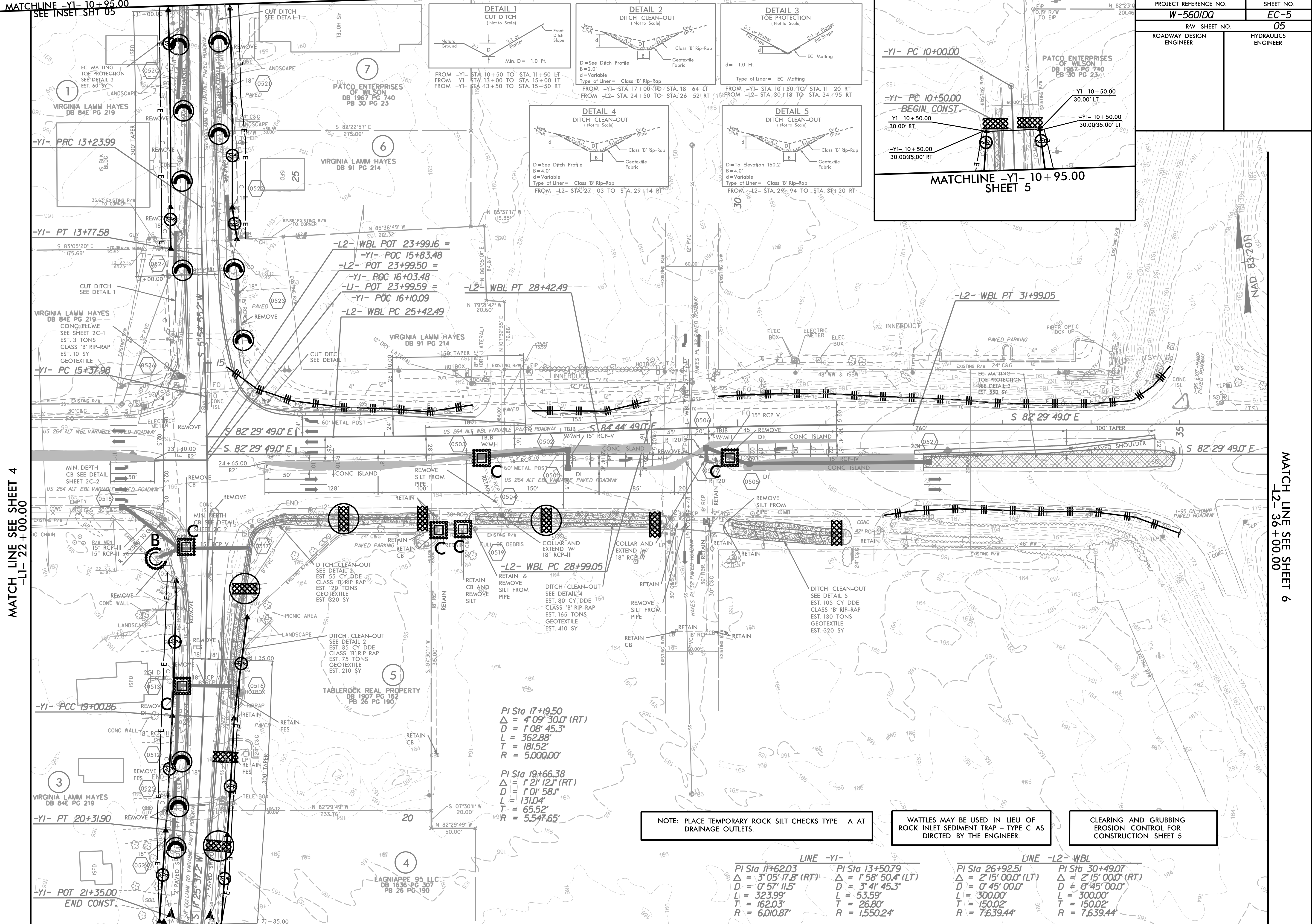
MATCHLINE -Y1- 10+95.00
SEE INSET SHI 05

PROJECT REFERENCE NO. W-5601DQ	SHEET NO. EC-5
RW SHEET NO. 05	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCH LINE SEE SHEET 4
-L1- 22+00.00

MATCH LINE SEE SHEET 6
-L2- 36+00.00



PI Sta 17+95.00
Δ = 4' 09" 30.0" (RT)
D = 1' 08" 45.3"
L = 362.88'
T = 181.52'
R = 5,000.00'

PI Sta 19+66.38
Δ = 1' 21" 12.1" (RT)
D = 1' 01" 58.1"
L = 131.04'
T = 65.52'
R = 5,547.65'

NOTE: PLACE TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

WATTLES MAY BE USED IN LIEU OF ROCK INLET SEDIMENT TRAP - TYPE C AS DIRECTED BY THE ENGINEER.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 5

LINE -Y1-	
PI Sta 11+62.03	PI Sta 13+50.79
Δ = 3' 05" 17.8" (RT)	Δ = 1' 58" 50.4" (LT)
D = 0' 57" 11.5"	D = 3' 41" 45.3"
L = 323.99'	L = 53.59'
T = 162.03'	T = 26.80'
R = 6,010.87'	R = 1,550.24'

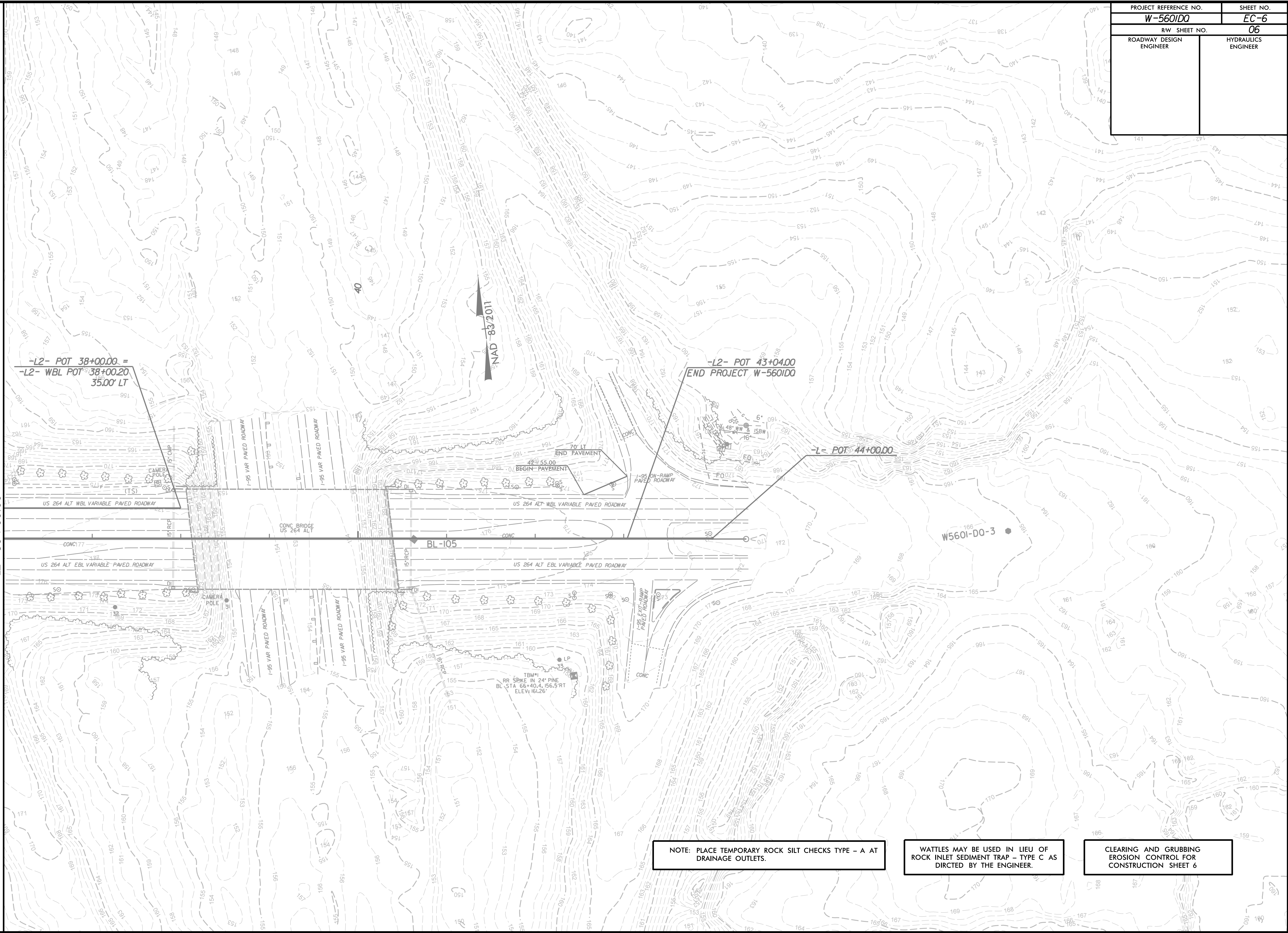
LINE -L2- WBL	
PI Sta 26+92.51	PI Sta 30+49.07
Δ = 2' 15" 00.0" (LT)	Δ = 2' 15" 00.0" (RT)
D = 0' 45" 00.0"	D = 0' 45" 00.0"
L = 300.00'	L = 300.00'
T = 150.02'	T = 150.02'
R = 7,639.44'	R = 7,639.44'

9/7/2018 9:16:00 AM Division 4 (W-5601DQ) Environmental\Design\W-5601DQ.DOC4.C&G.PSH05.dgn

PROJECT REFERENCE NO.	SHEET NO.
W-5601DQ	EC-6
RW SHEET NO.	06
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

9/7/2018 8:17/99
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MATCH LINE SEE SHEET 5
 -L2- 36 +00.00

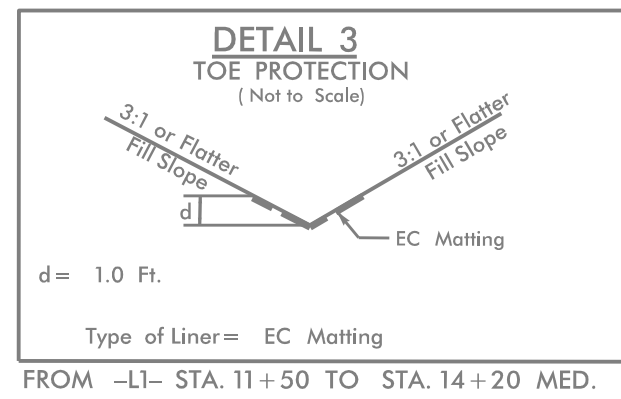


NOTE: PLACE TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

WATTLES MAY BE USED IN LIEU OF ROCK INLET SEDIMENT TRAP - TYPE C AS DIRECTED BY THE ENGINEER.

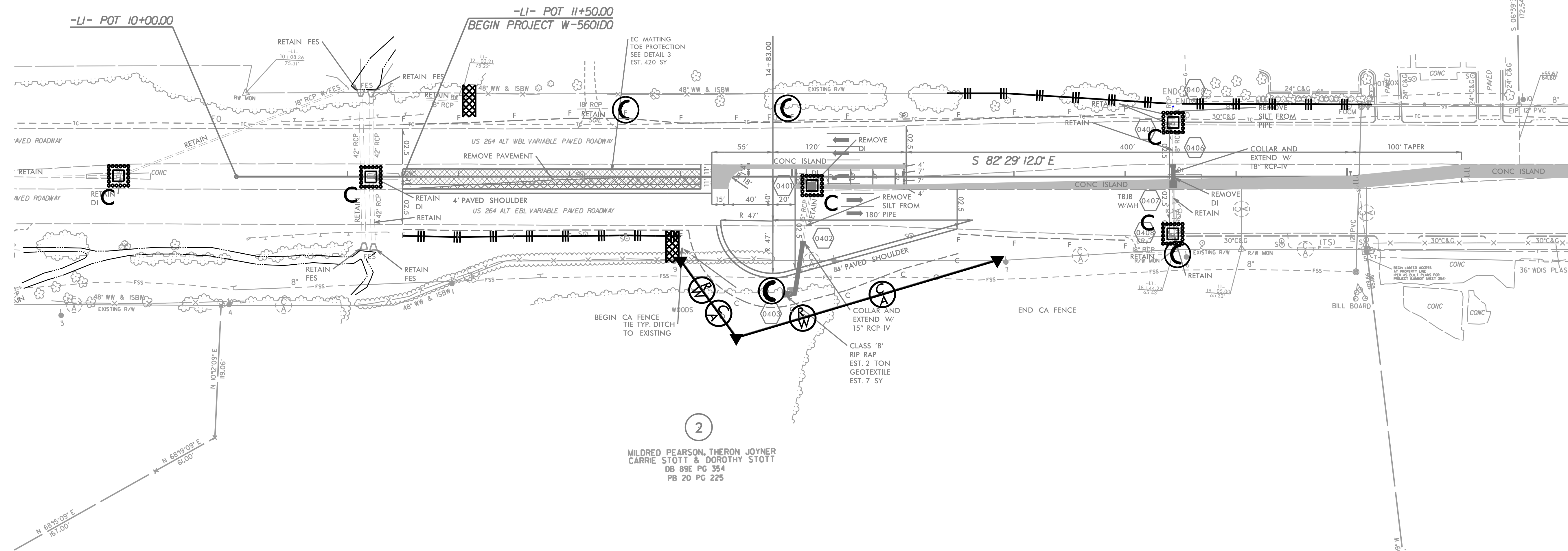
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 6

PROJECT REFERENCE NO.	SHEET NO.
W-5601DQ	EC-7
R/W SHEET NO.	04
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



NAD 83/2011

1
VIRGINIA LAMM HAYES
DB 84E PG 219



2
MILDRED PEARSON, THERON JOYNER
CARRIE STOTT & DOROTHY STOTT
DB 89E PG 354
PB 20 PG 225

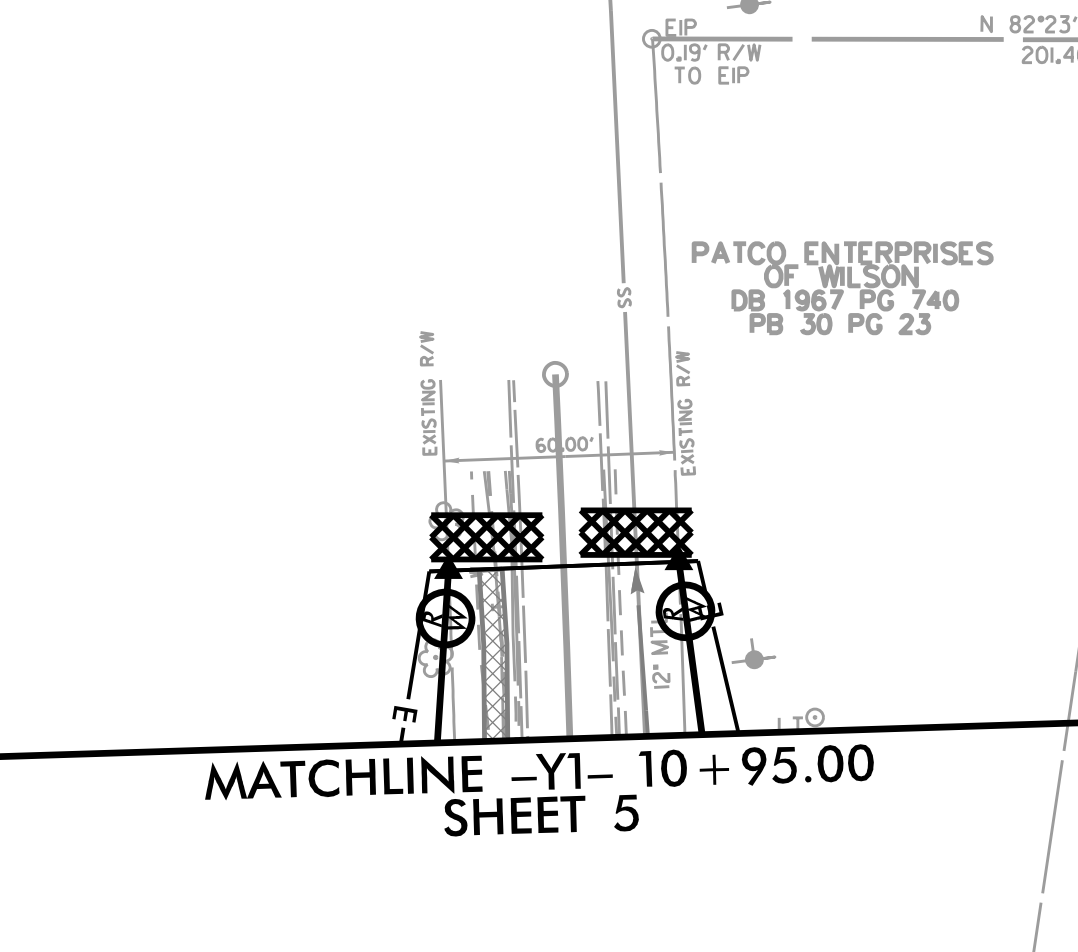
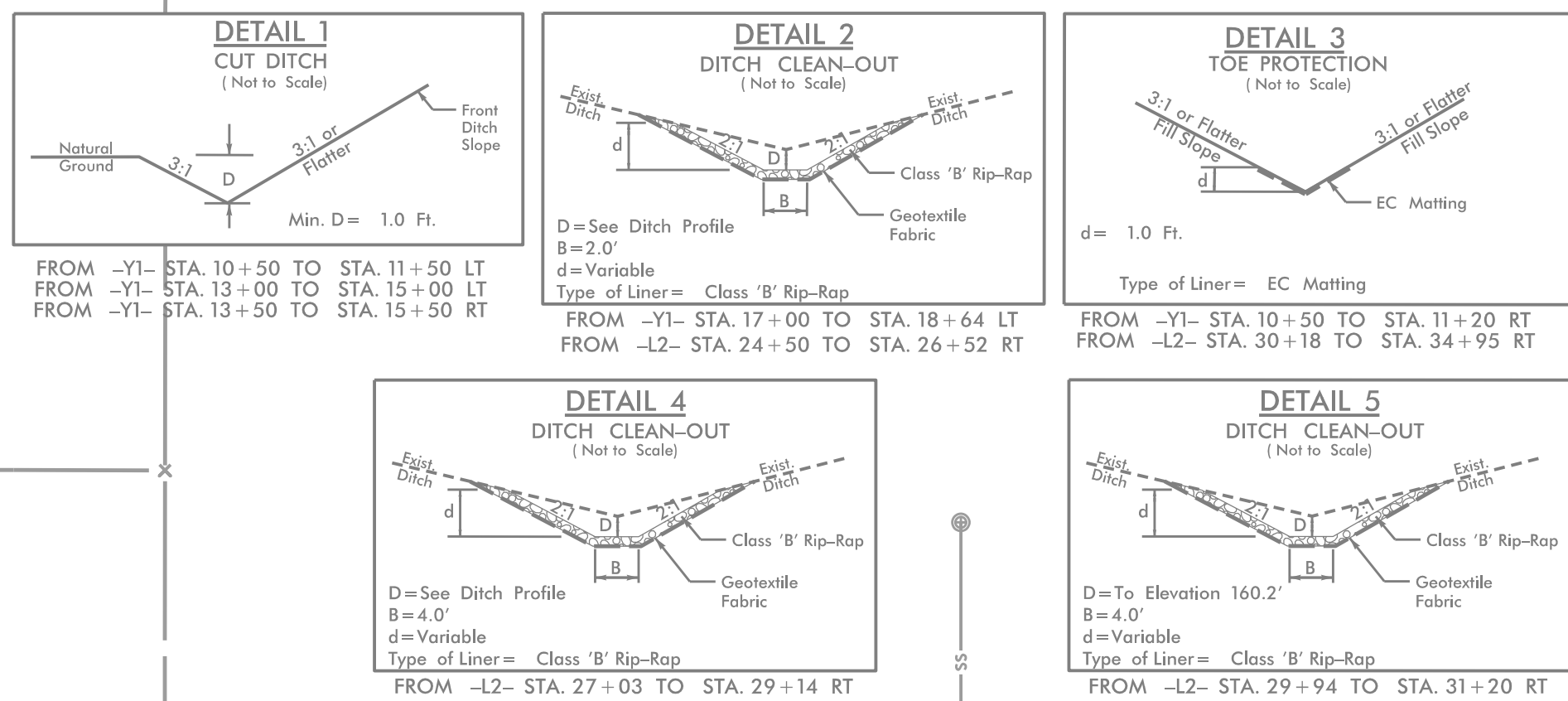
WATTLES MAY BE USED IN LIEU OF
ROCK INLET SEDIMENT TRAP - TYPE C AS
DIRECTED BY THE ENGINEER.

MATCH LINE SEE SHEET 5
-LI- 22+00.00

8/17/99
9/7/2008
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11/28/2008

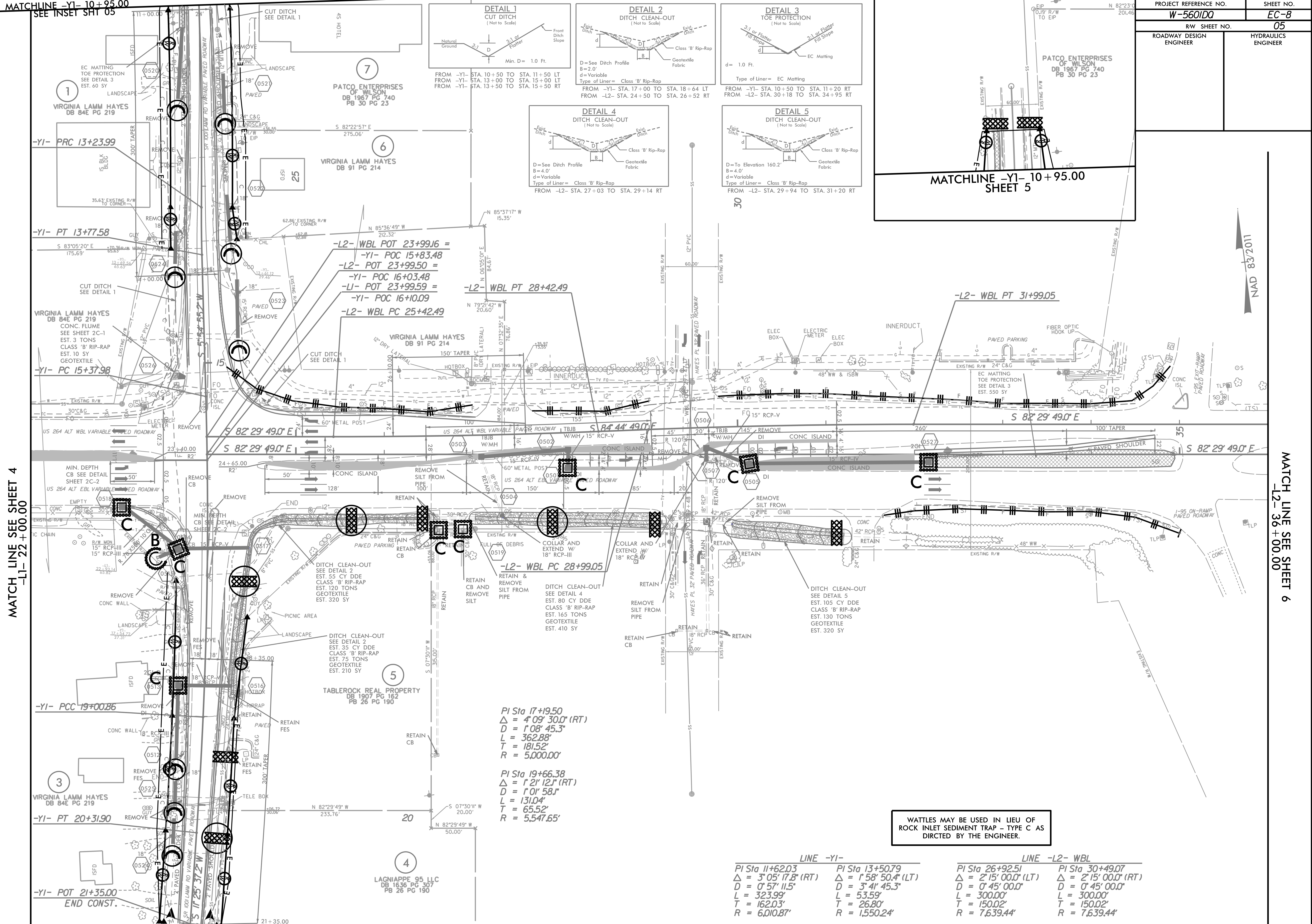
MATCHLINE -Y1- 10+95.00
SEE INSET SHI 05

PROJECT REFERENCE NO. W-5601DQ	SHEET NO. EC-8
RW SHEET NO. 05	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCH LINE SEE SHEET 4
-L1- 22+00.00

MATCH LINE SEE SHEET 6
-L2- 36+00.00



PI Sta 17+19.50
 $\Delta = 4' 09'' 30.0''$ (RT)
 $D = 1' 08'' 45.3''$
 $L = 362.88'$
 $T = 181.52'$
 $R = 5,000.00'$

PI Sta 19+66.38
 $\Delta = 1' 21'' 12.1''$ (RT)
 $D = 1' 01'' 58.1''$
 $L = 131.04'$
 $T = 65.52'$
 $R = 5,547.65'$

WATTLES MAY BE USED IN LIEU OF
ROCK INLET SEDIMENT TRAP - TYPE C AS
DIRECTED BY THE ENGINEER.

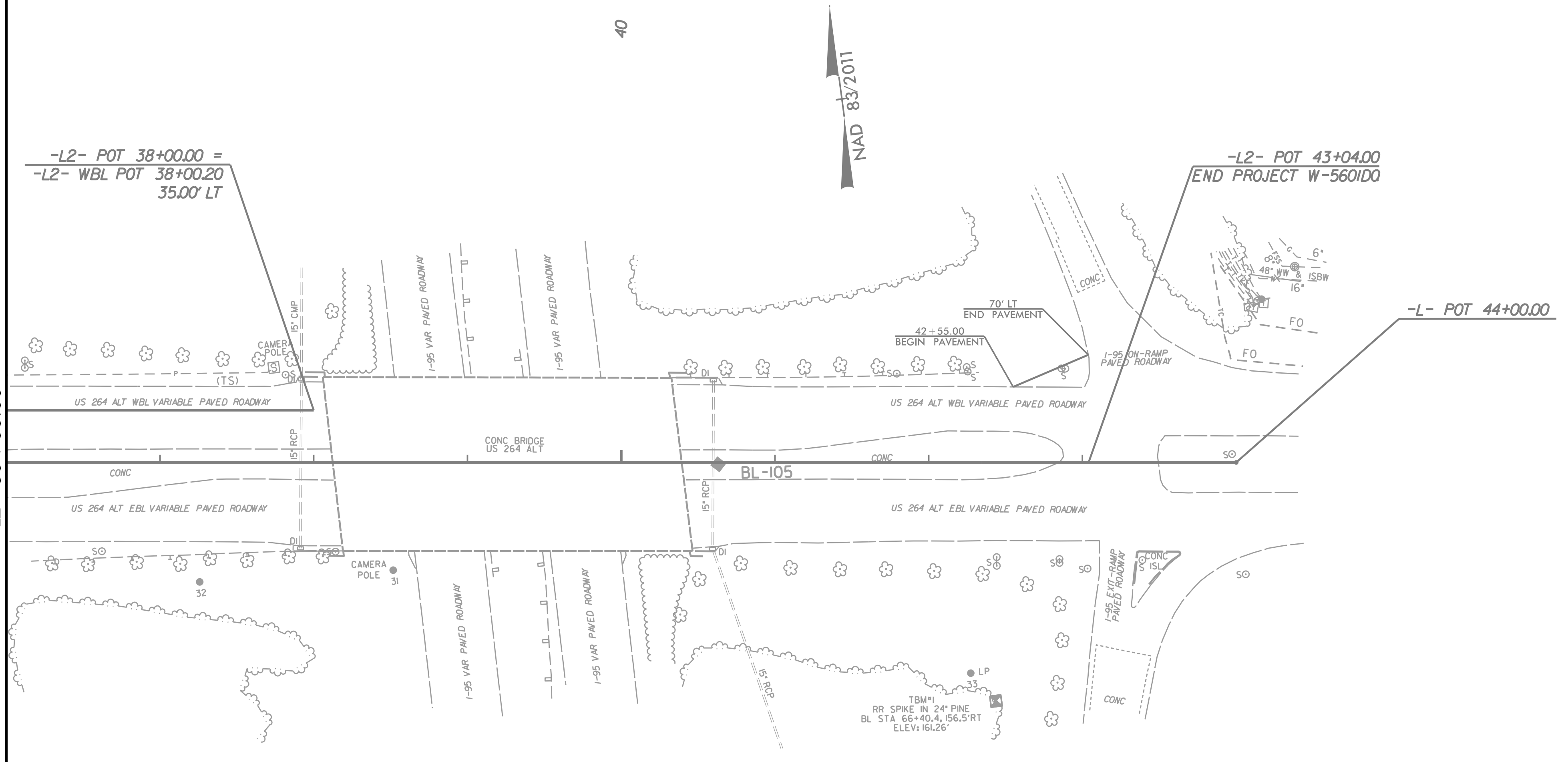
LINE -Y1-		LINE -L2- WBL	
PI Sta 11+62.03	PI Sta 13+50.79	PI Sta 26+92.51	PI Sta 30+49.07
$\Delta = 3' 05'' 17.8''$ (RT)	$\Delta = 1' 58'' 50.4''$ (LT)	$\Delta = 2' 15'' 00.0''$ (LT)	$\Delta = 2' 15'' 00.0''$ (RT)
$D = 0' 57'' 11.5''$	$D = 3' 41'' 45.3''$	$D = 0' 45'' 00.0''$	$D = 0' 45'' 00.0''$
$L = 323.99'$	$L = 53.59'$	$L = 300.00'$	$L = 300.00'$
$T = 162.03'$	$T = 26.80'$	$T = 150.02'$	$T = 150.02'$
$R = 6,010.87'$	$R = 1,550.24'$	$R = 7,639.44'$	$R = 7,639.44'$

9/7/2018
 X:\Projects\Division 4 (W-5601DQ)\Environmental\Design\W-5601DQ.DOC4_EC_PSH05.dgn
 8/17/99


PROJECT REFERENCE NO.	SHEET NO.
W-5601DQ	EC-9
RW SHEET NO.	06
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99
 9/7/2008
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 I:\cadd\ec\

MATCH LINE SEE SHEET 5
 -L2- 36+00.00



WATTLES MAY BE USED IN LIEU OF
 ROCK INLET SEDIMENT TRAP - TYPE C AS
 DIRECTED BY THE ENGINEER.

TIP NO. W-5601DQ	SHEET NO. SIGN-1
APPROVED: <i>Clifton T. Register</i>	
DATE: 10/17/2018 | 11:13 AM EDT	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
WILSON COUNTY**

**LOCATION: US 264 ALTERNATE (RALEIGH ROAD PARKWAY) AT
HAYES PLACE AND MEDIAN CROSSOVER 900 FEET WEST OF LAMM ROAD**

T.I.P.: W-5601DQ

PAY ITEM NOTES

- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 2 DISPOSAL OF SUPPORT, WOOD
- 3 DISPOSAL OF SUPPORT, U-CHANNEL
- 4 RELOCATE SIGN ON NEW SUPPORTS
- 5 RETAIN SIGN SYSTEM, U-CHANNEL

GENERAL NOTES

- . SIGNS FURNISHED BY STATE
- . IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ENGINEER. THE WORK WILL BE COMPLETED BY OTHERS.
- . WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER
- . ALL EXISTING SIGNS ON "U" CHANNEL POST WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED ON PLANS.
- . WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.
- . THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	885	LF
4082000000	903	SUPPORTS, WOOD	16	LF
4102000000	904	SIGN ERECTION, TYPE E	33	EA
4108000000	904	SIGN ERECTION, TYPE F	5	EA
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE A (GROUND MOUNTED)	1	EA
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE D (GROUND MOUNTED)	16	EA
4141000000	907	DISPOSAL OF SUPPORT, WOOD	1	EA
4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL	60	EA
4238000000	907	DISPOSAL OF SIGN, D, E OR F	33	EA

ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
901.10	TYPE 'A' SIGNS
901.50	ARROWS AND SHIELDS
901.60	RIVET SPACING FOR OVERLAYED SIGNS
901.70	SIGN STRINGERS AND SUPPORT SPACING
901.80	SIGN MOUNTING DETAILS - FOR TYPE A AND TYPE B SIGNS
903.20	WOOD SIGN SUPPORTS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.20	SECONDARY SIGN MOUNTING
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS
910.30	SIGNING SIGNALIZED AND UNSIGNALIZED SUPERSTREET

INDEX

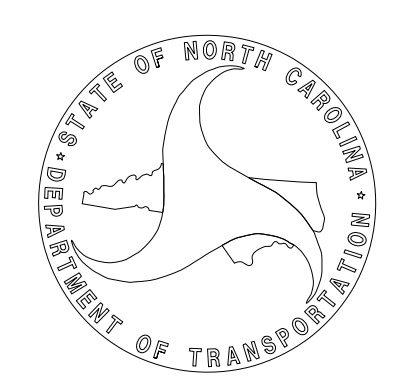
SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2	TYPE E SIGNS
SIGN-3	TYPE F SIGNS
SIGN-4	SPECIAL SIGN DESIGN
SIGN-5 & SIGN-6	SIGNING PLAN SHEETS

PLAN PREPARED FOR N.C.D.O.T. BY:

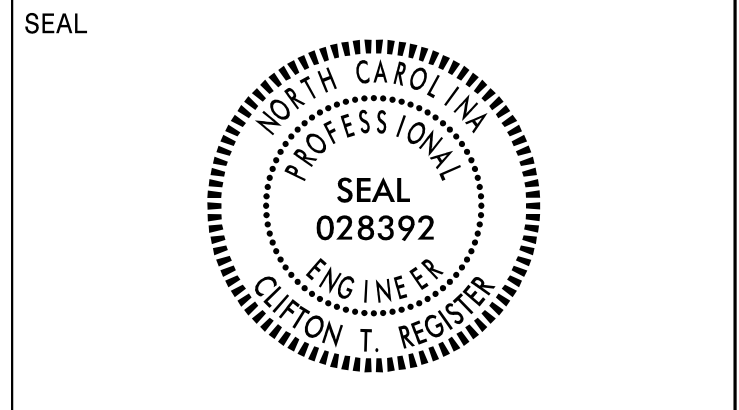


TGS ENGINEERS
804-C N. LAFAYETTE ST
SHELBY, NC 28150
PH: (704) 476-0003
CORP. LICENSE NO.: C-0275

TOMMY REGISTER, PE PROJECT ENGINEER
PAUL SCHULKEN, EI DESIGN TECHNICIAN



APPROVED: Clifton T. Register
 DATE: 10/17/2018 | 11:13 AM EDT



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

TGS ENGINEERS
 804-C N. LAFAYETTE ST
 SHELBY, NC 28150
 PH (704) 476-0003
 CORP. LICENSE NO.: C-0275

401 QUANTITY REQ'D 1



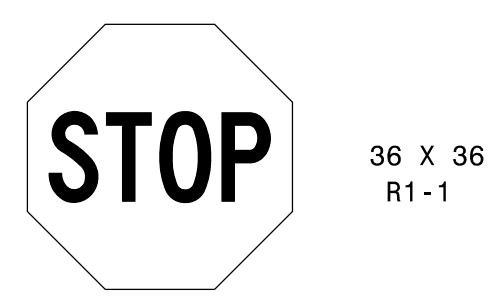
ONE "U" POST PER SIGN

402 QUANTITY REQ'D 2



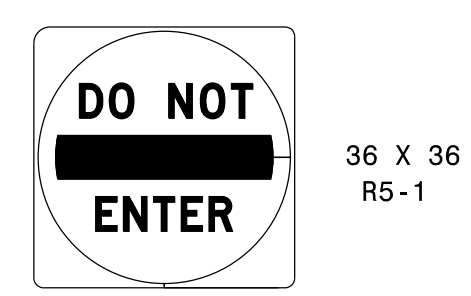
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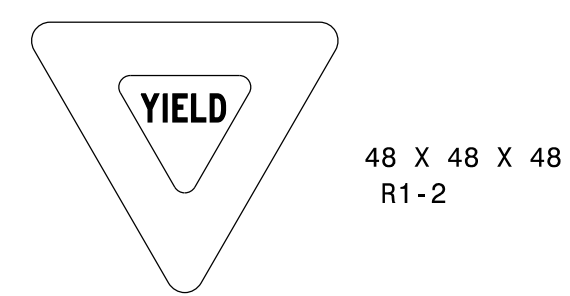
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404 QUANTITY REQ'D 4



ONE "U" POST PER SIGN

405 QUANTITY REQ'D 1



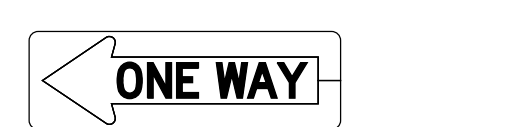
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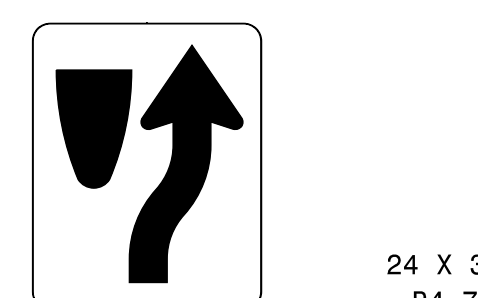
TWO "U" POSTS PER SIGN

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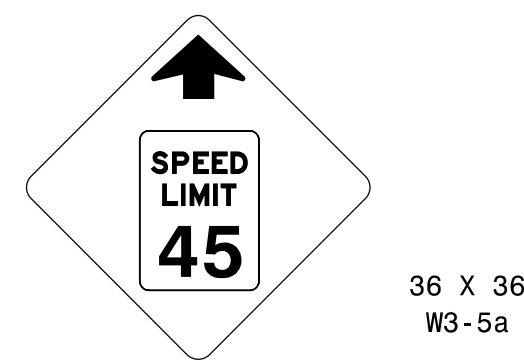
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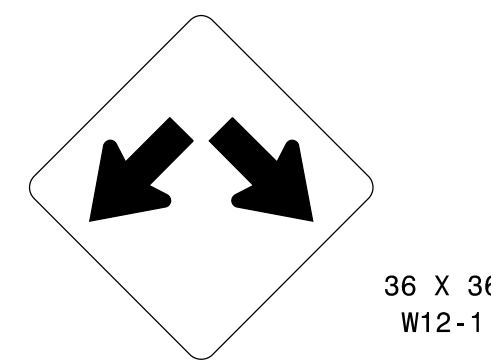
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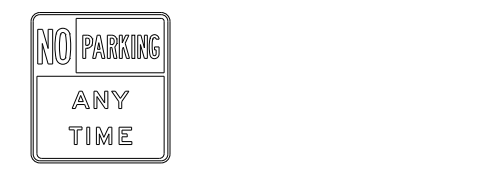
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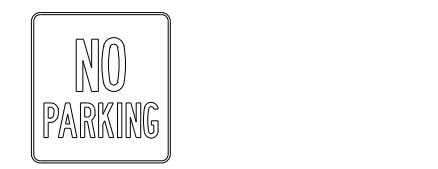
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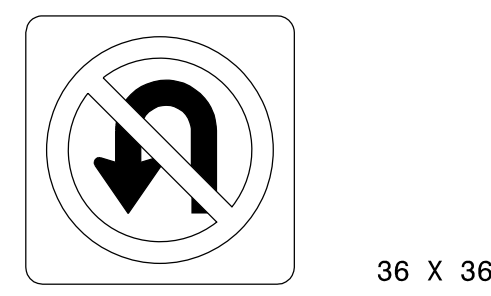
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412 QUANTITY REQ'D 1



ONE "U" POST PER SIGN

413 QUANTITY REQ'D 2



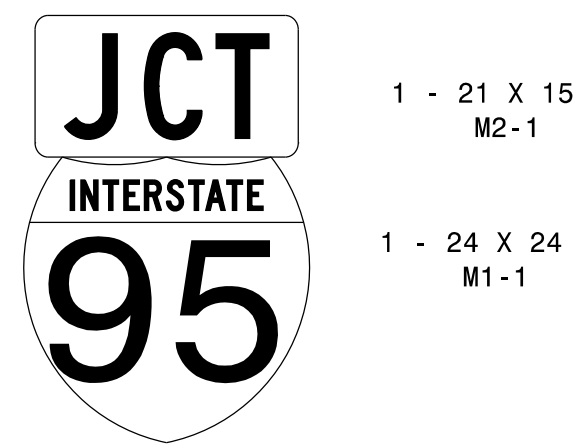
ONE "U" POST PER SIGN

TYPE "E" SIGNS

10/17/2018
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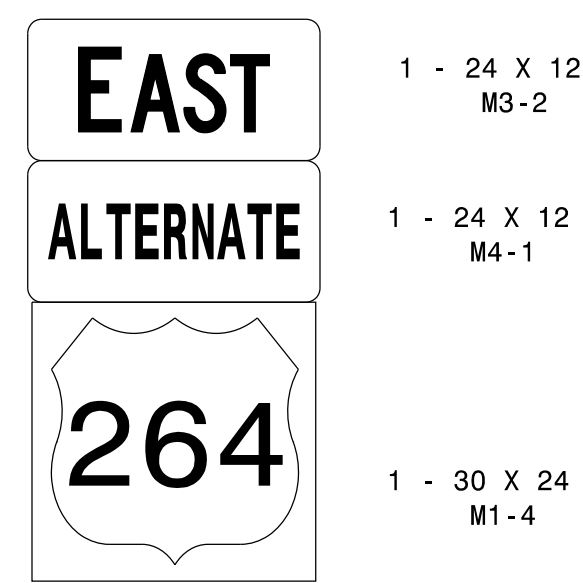
TIP NO. W-5601DQ	SHEET NO. SIGN-3
APPROVED: <i>Clifton T. Register</i>	
DATE: 10/17/2018 11:13 AM EDT	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 TGS ENGINEERS 804 C. N. LAFAYETTE ST SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

501 QUANTITY REQ'D 1



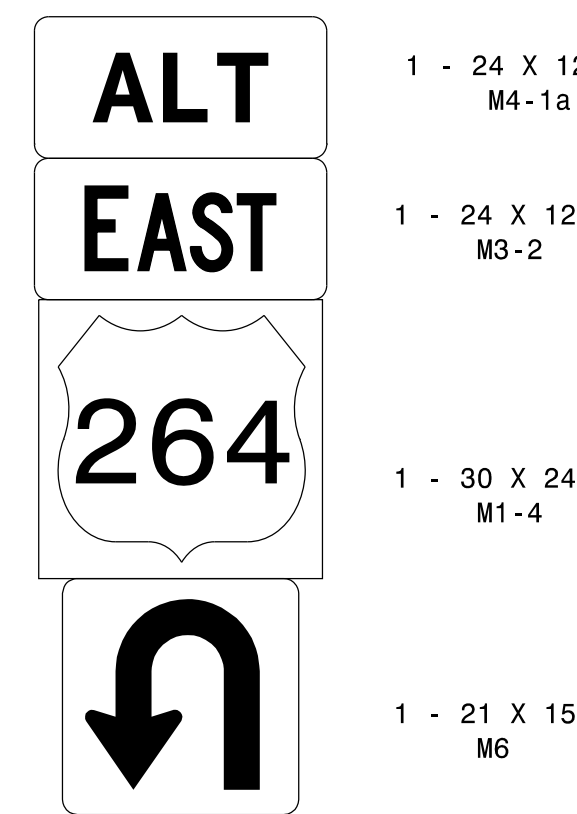
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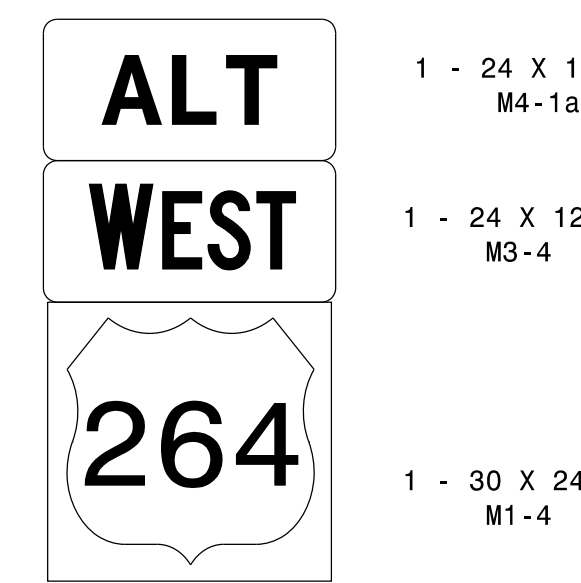
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503 QUANTITY REQ'D 2



ONE "U" POST PER SIGN ASSEMBLY

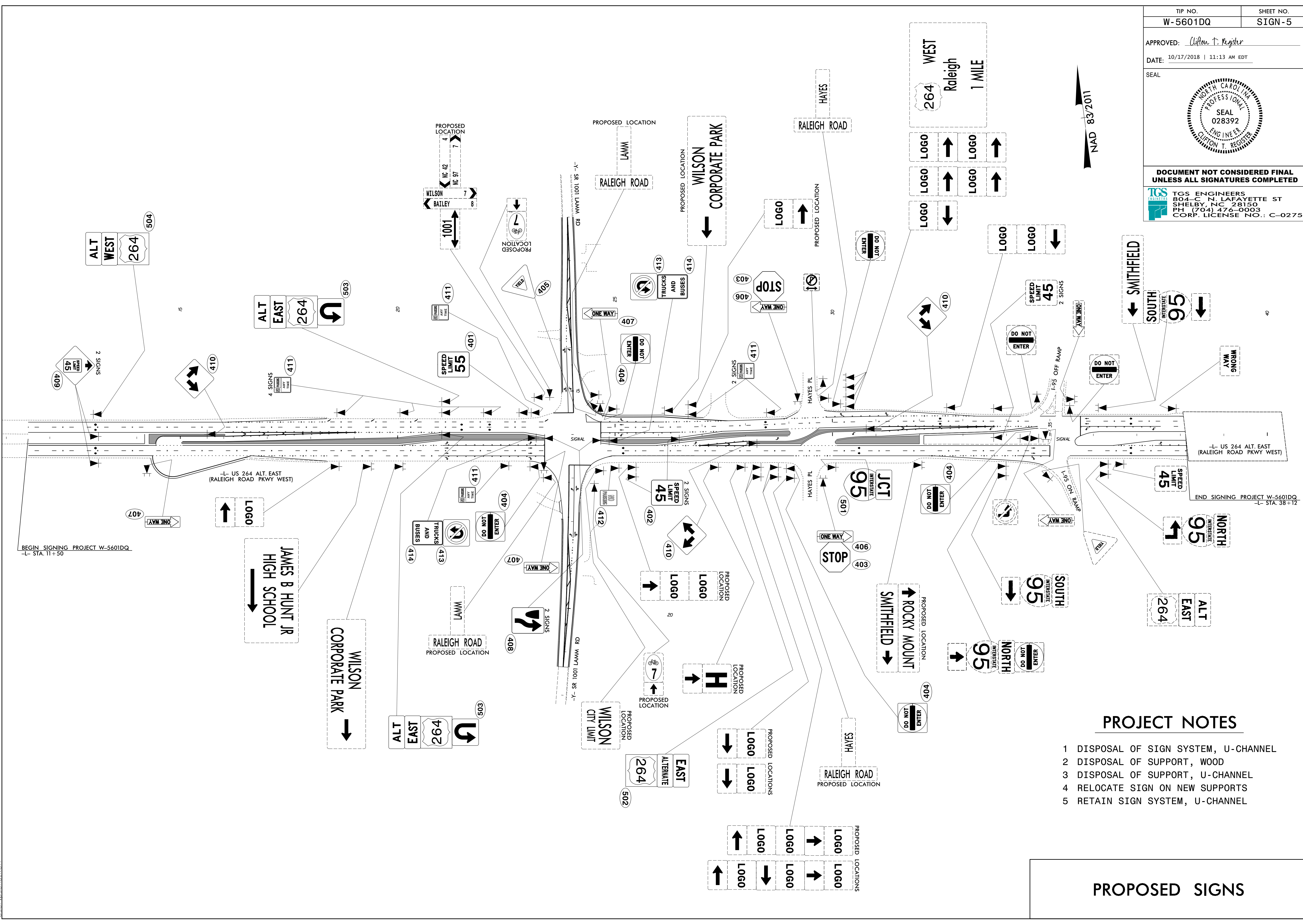
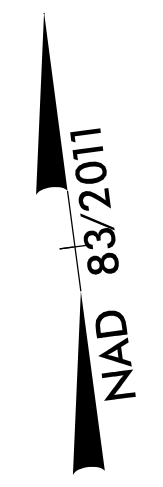
504 QUANTITY REQ'D 1



ONE "U" POST PER SIGN ASSEMBLY

TYPE "F" SIGNS

TIP NO. W-5601DQ	SHEET NO. SIGN-5
APPROVED: <i>Clifton T. Register</i>	
DATE: 10/17/2018 | 11:13 AM EDT	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 TGS ENGINEERS 804 S. N. LAFAYETTE ST SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

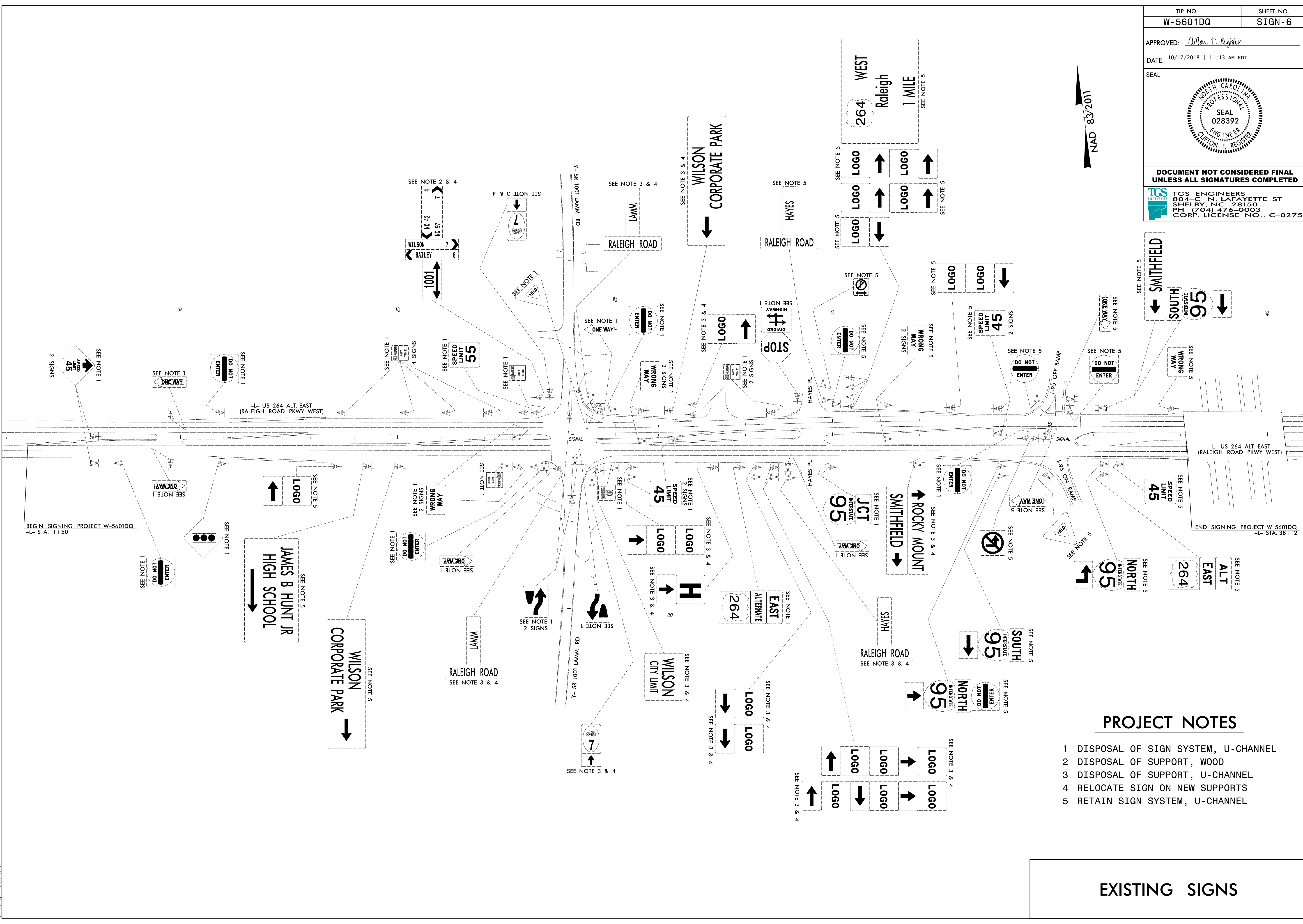


PROJECT NOTES

- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 2 DISPOSAL OF SUPPORT, WOOD
- 3 DISPOSAL OF SUPPORT, U-CHANNEL
- 4 RELOCATE SIGN ON NEW SUPPORTS
- 5 RETAIN SIGN SYSTEM, U-CHANNEL

PROPOSED SIGNS

8/17/199
 10/17/2018
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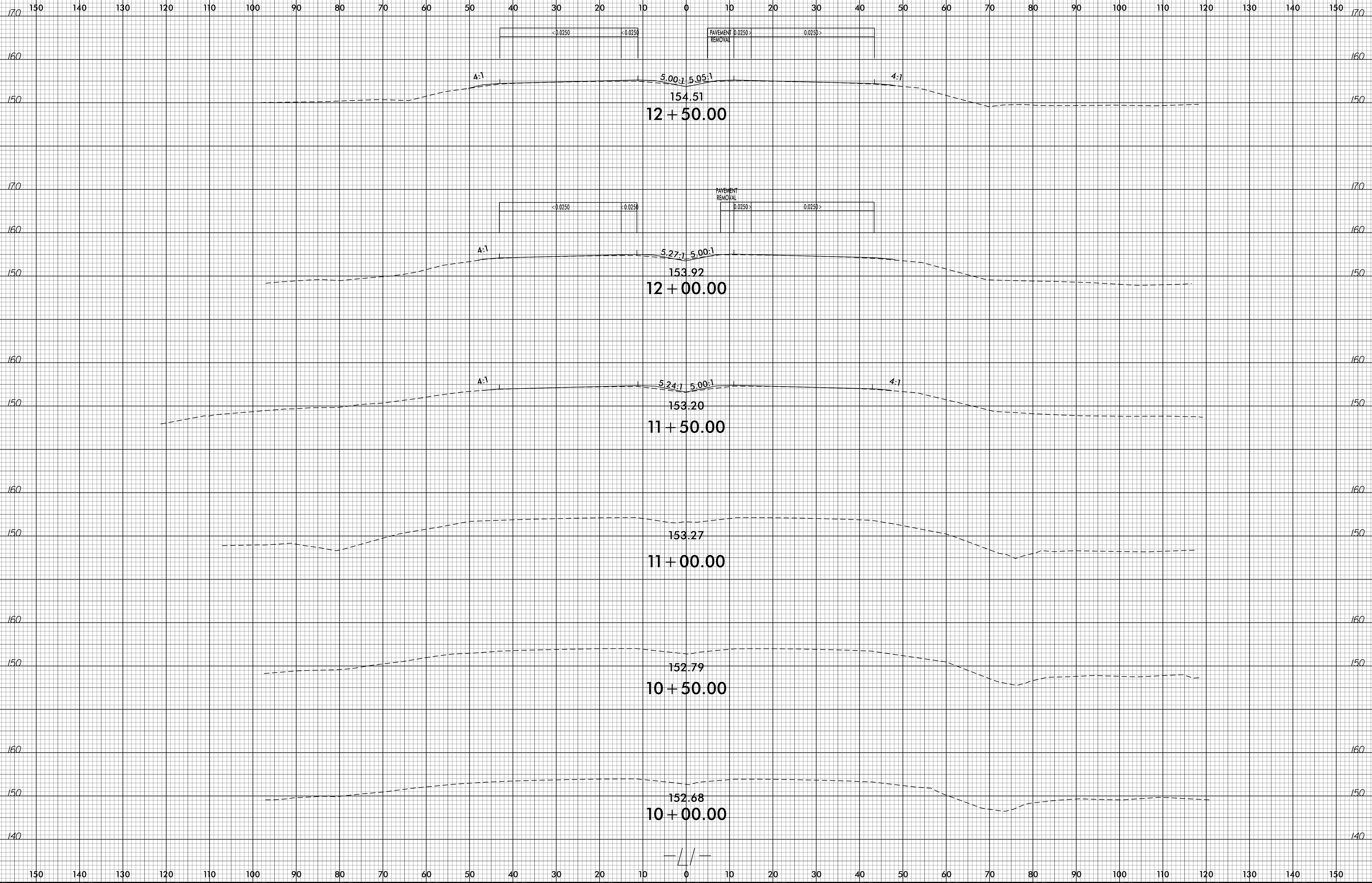
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SEAL	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
TGS ENGINEERS 20415 N. LAFAYETTE ST SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

PROJECT NOTES

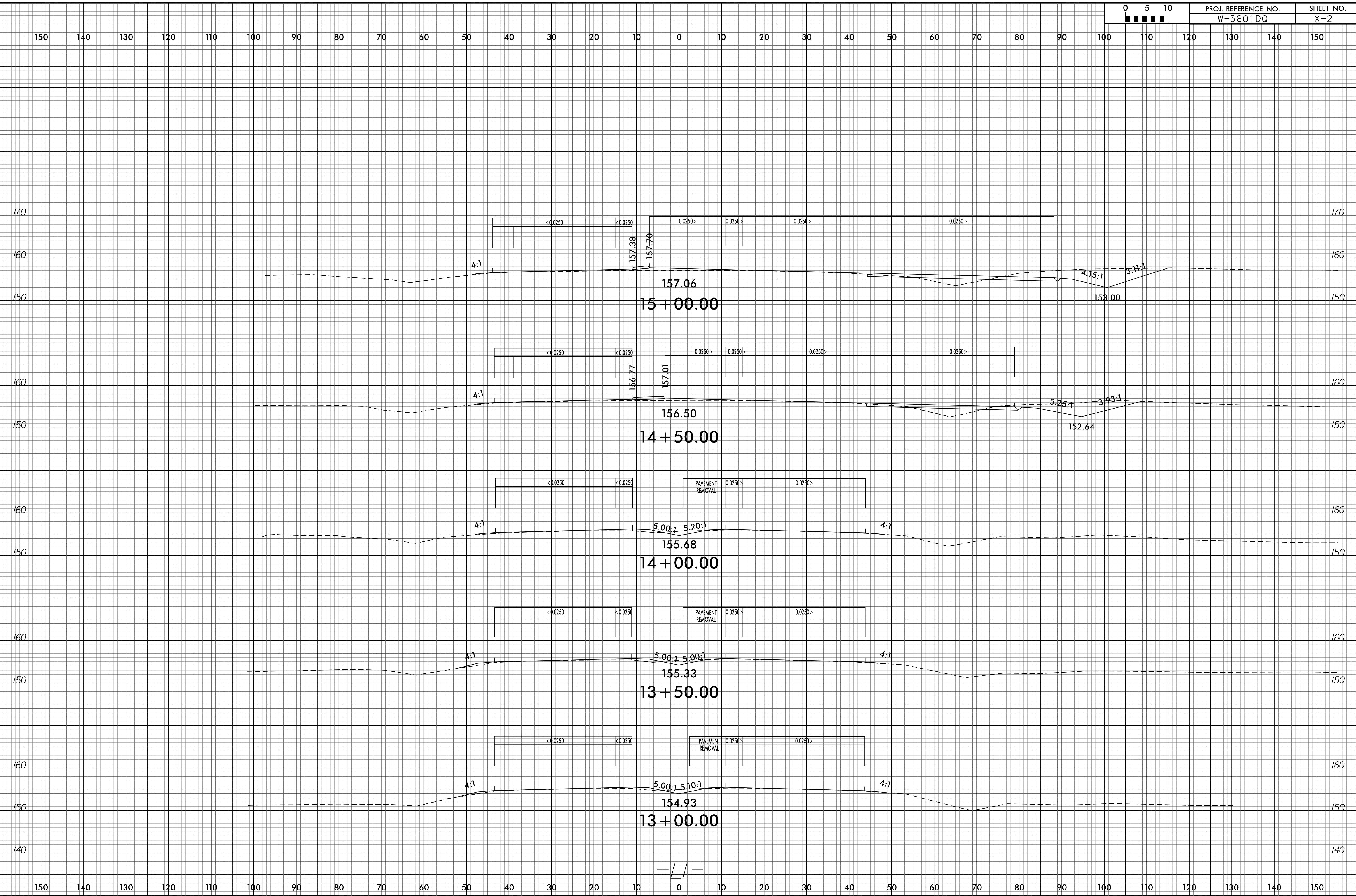
- DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- DISPOSAL OF SUPPORT, WOOD
- DISPOSAL OF SUPPORT, U-CHANNEL
- RELOCATE SIGN ON NEW SUPPORTS
- RETAIN SIGN SYSTEM, U-CHANNEL

EXISTING SIGNS

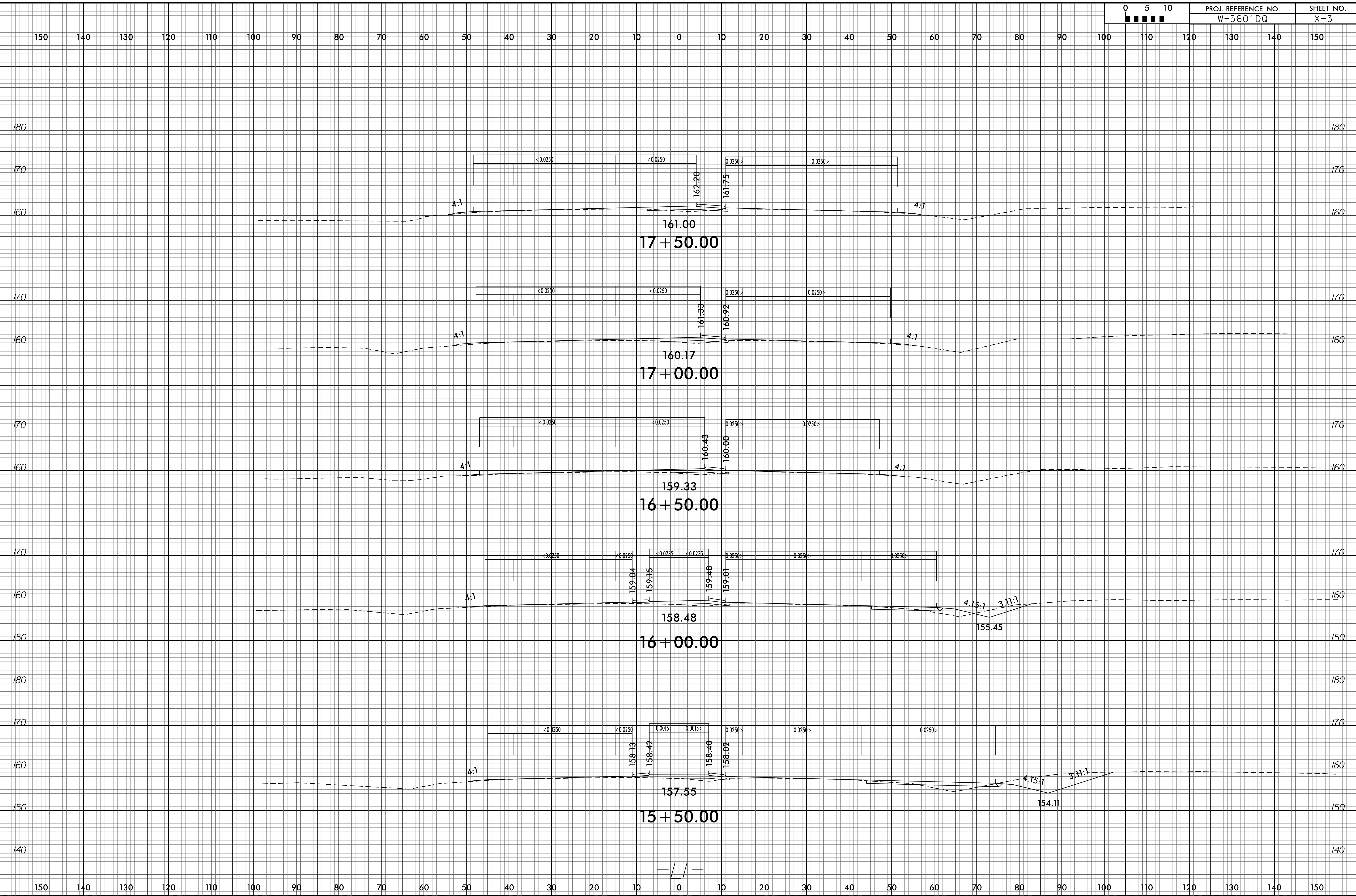
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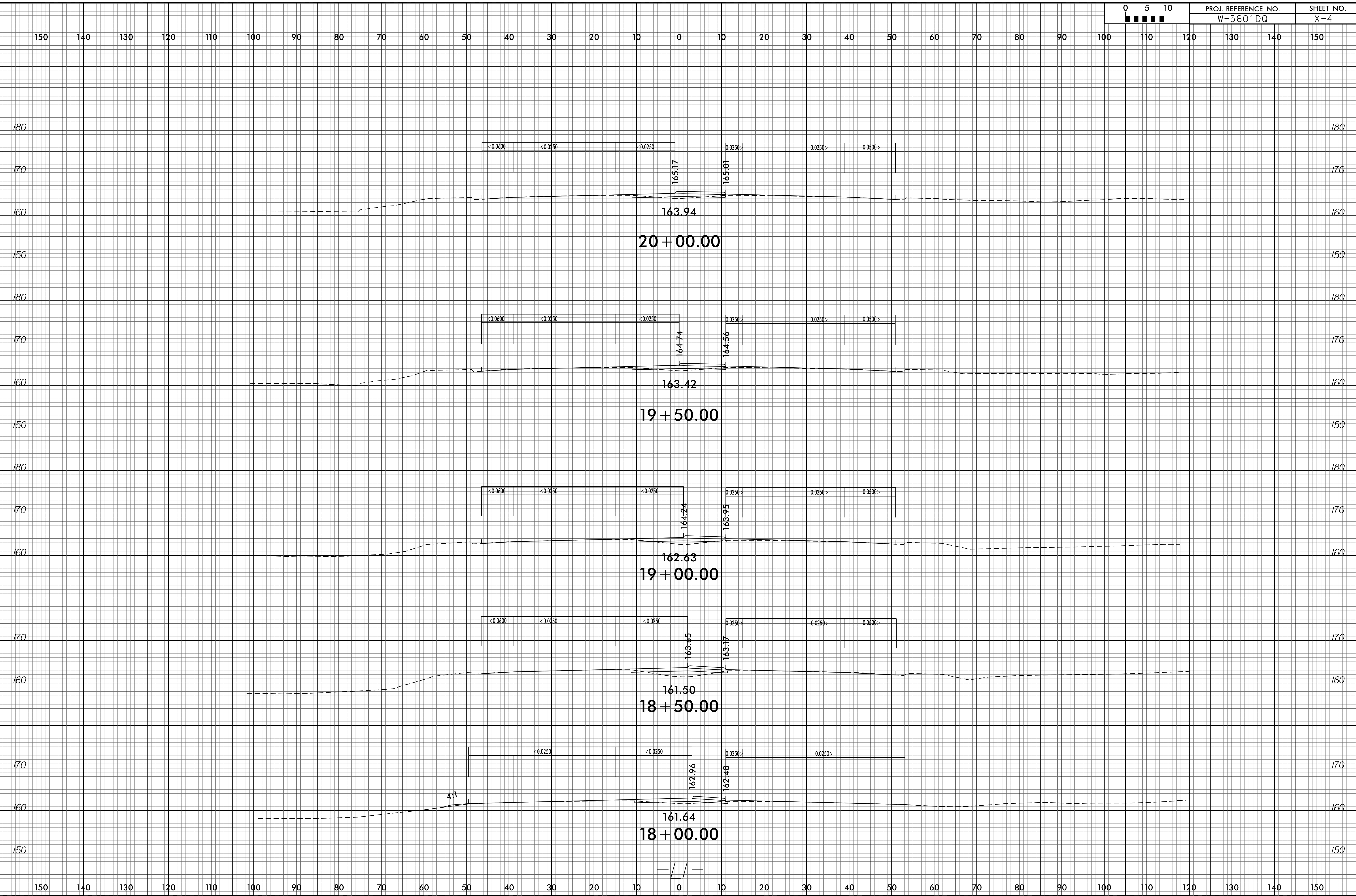


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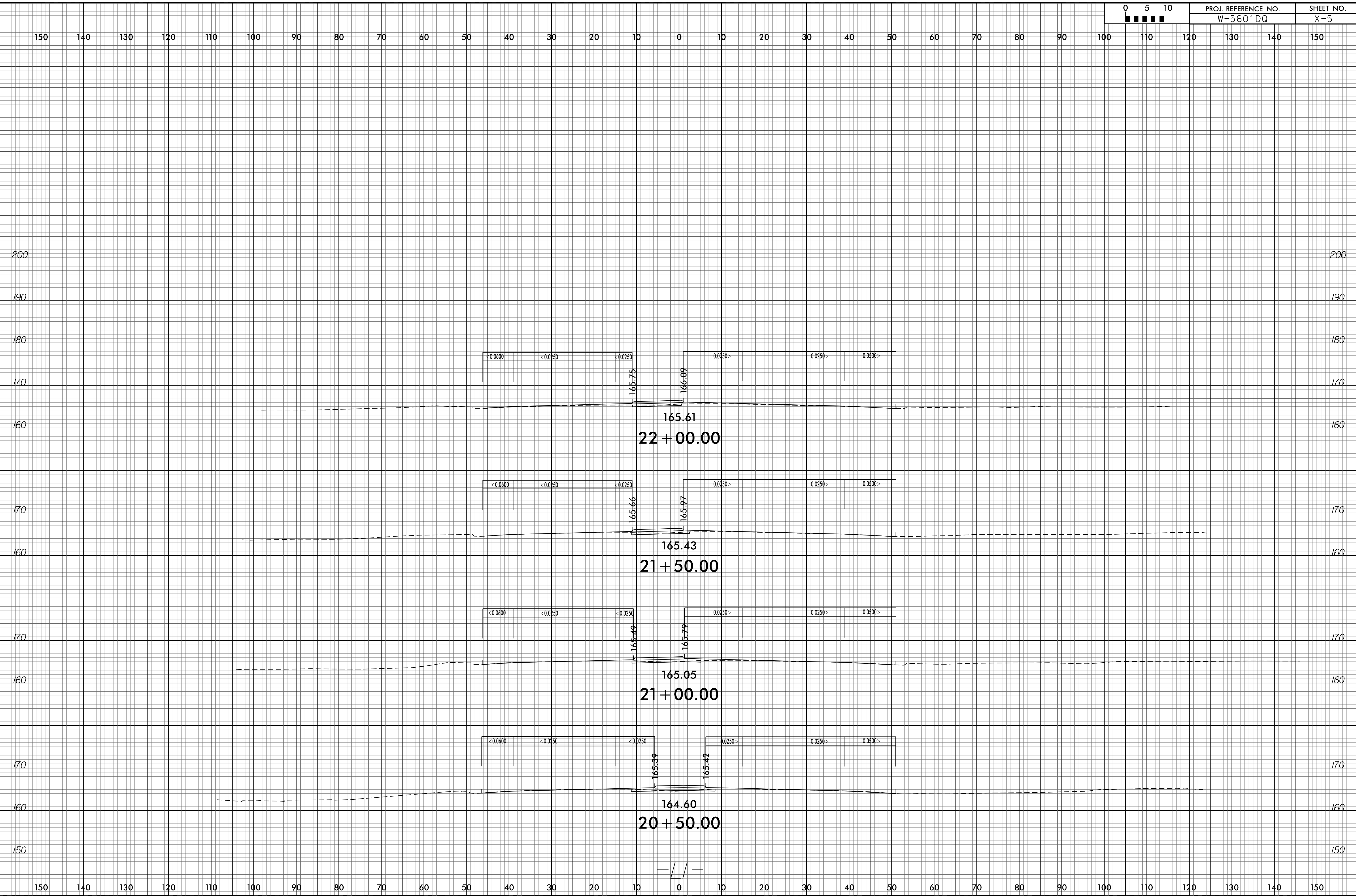
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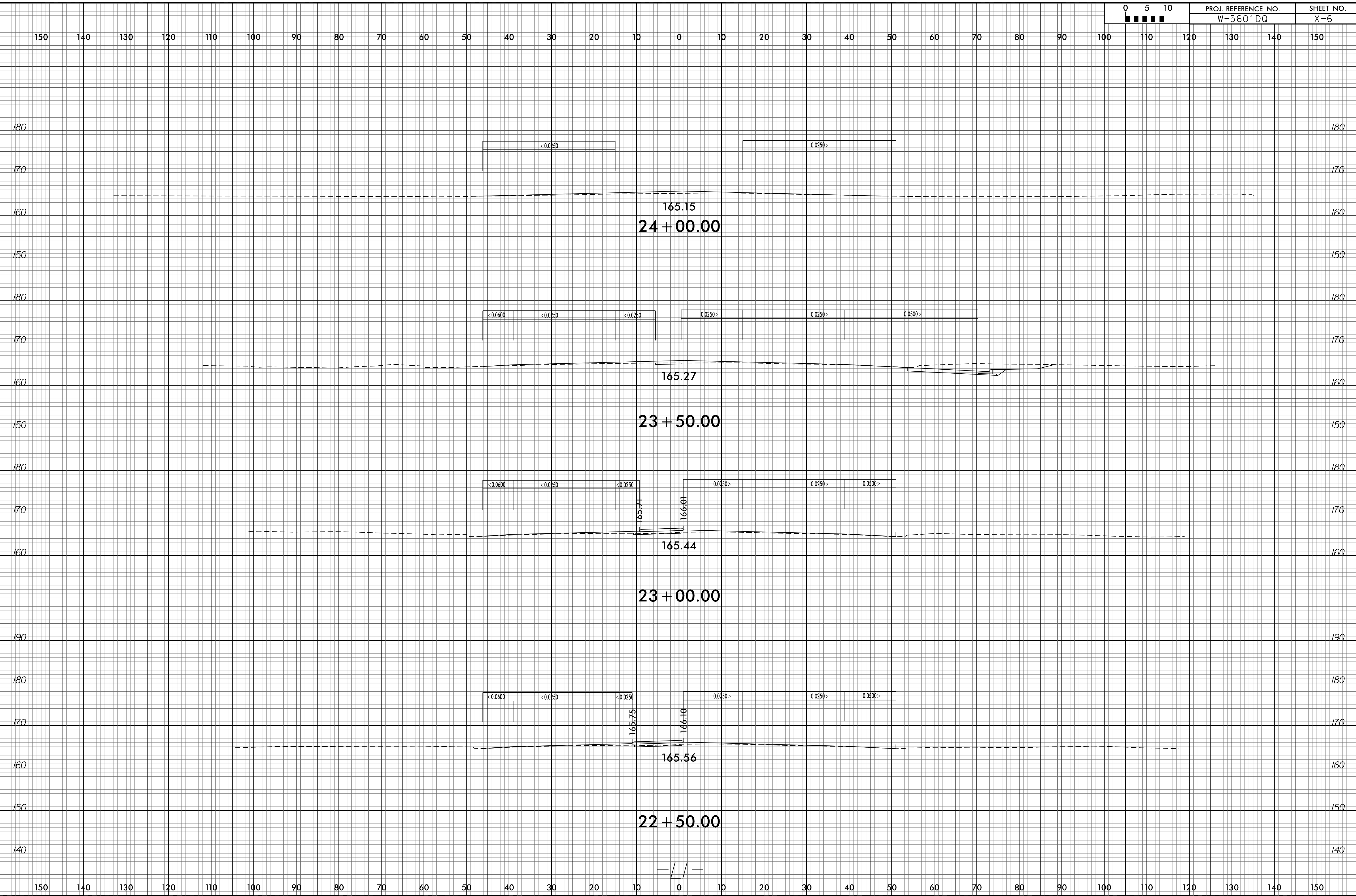


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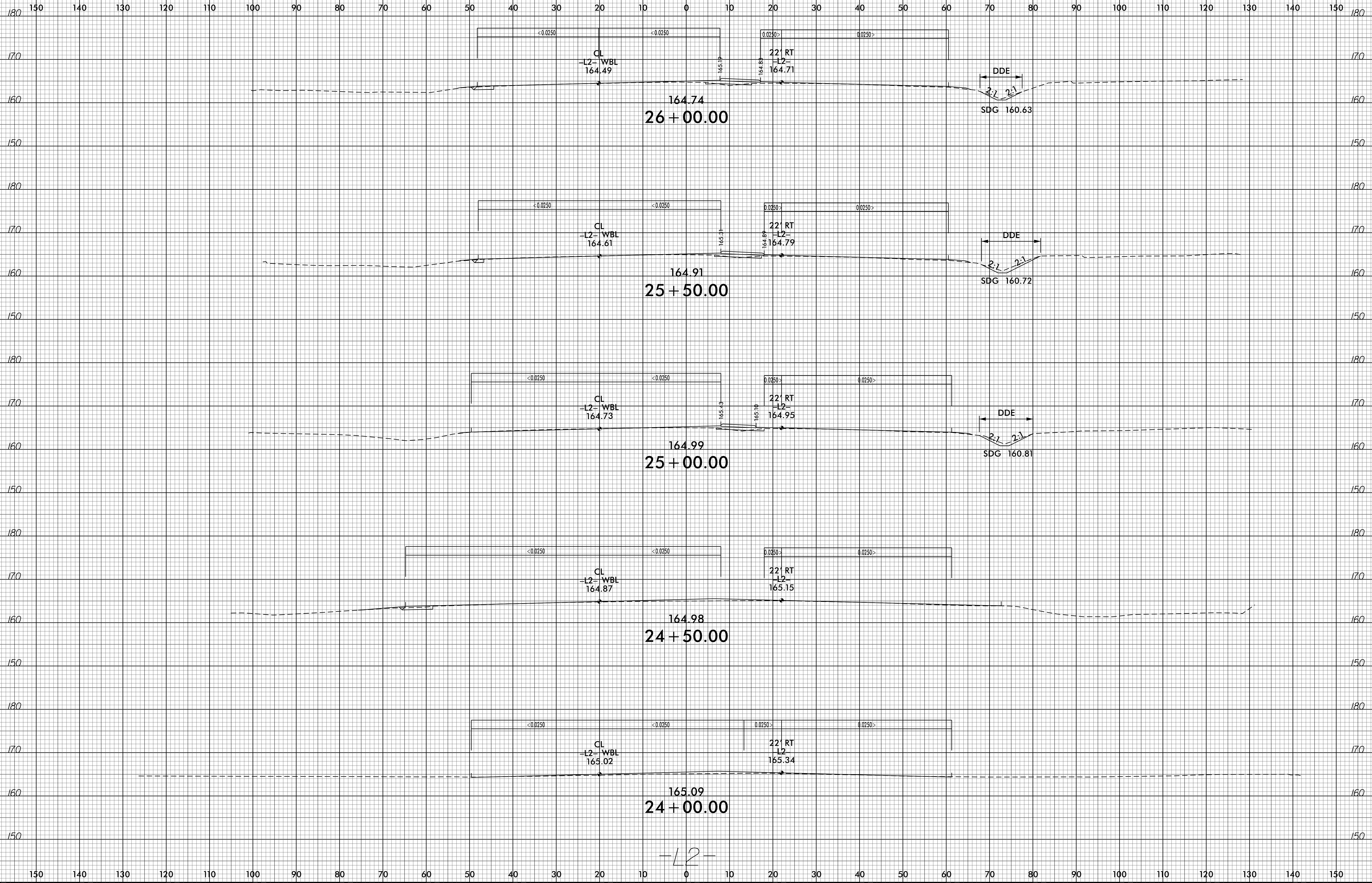
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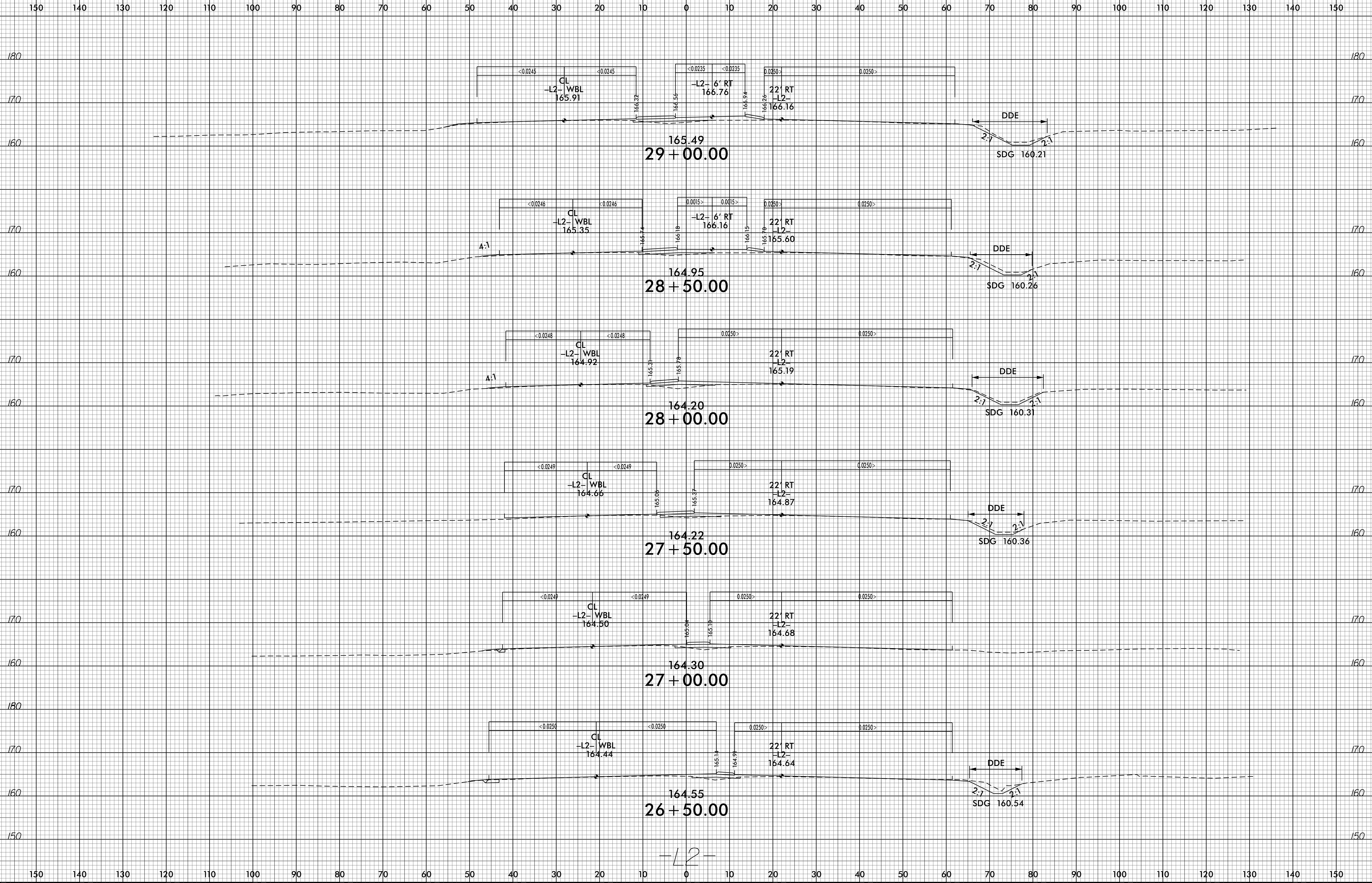
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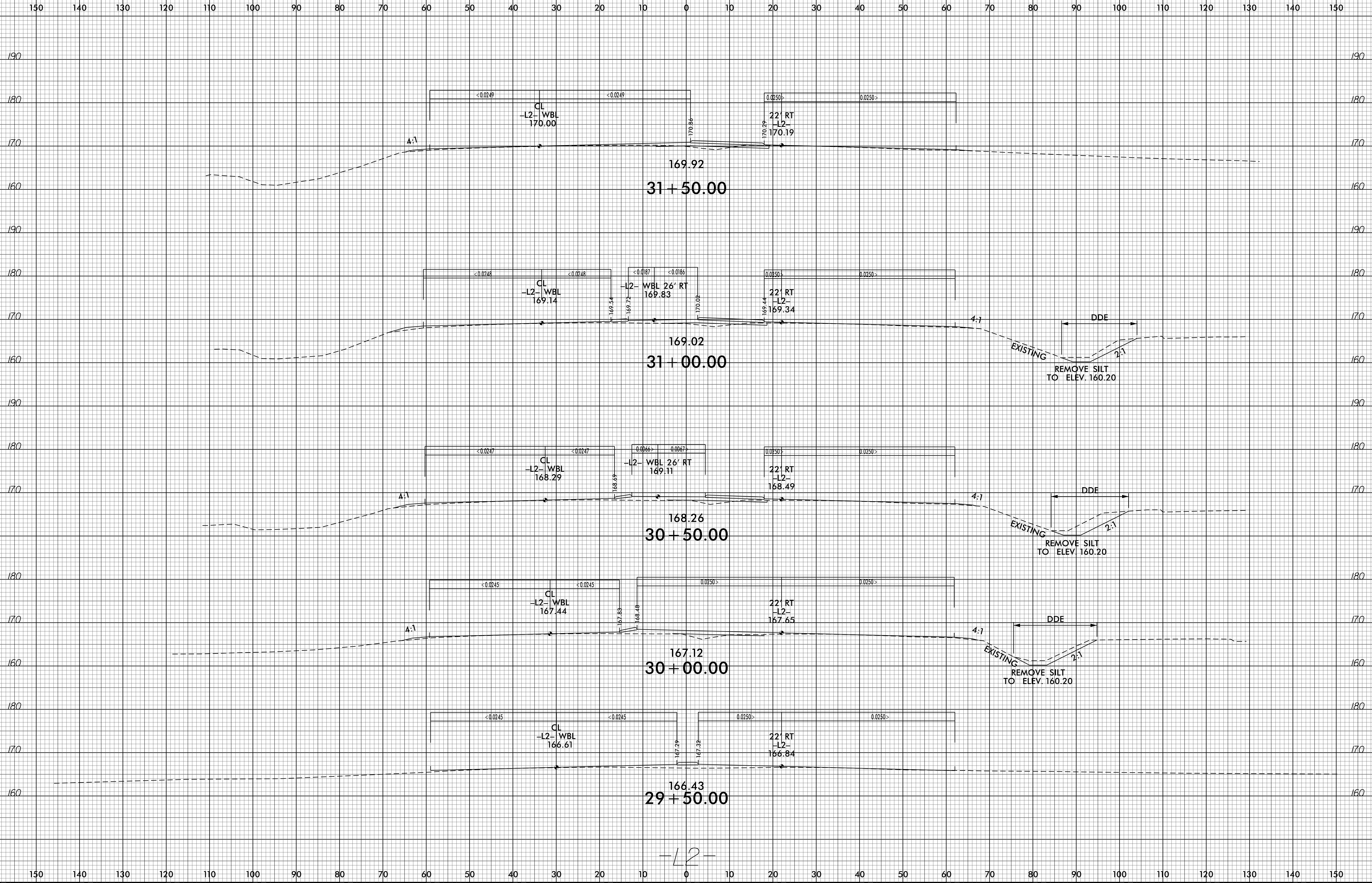
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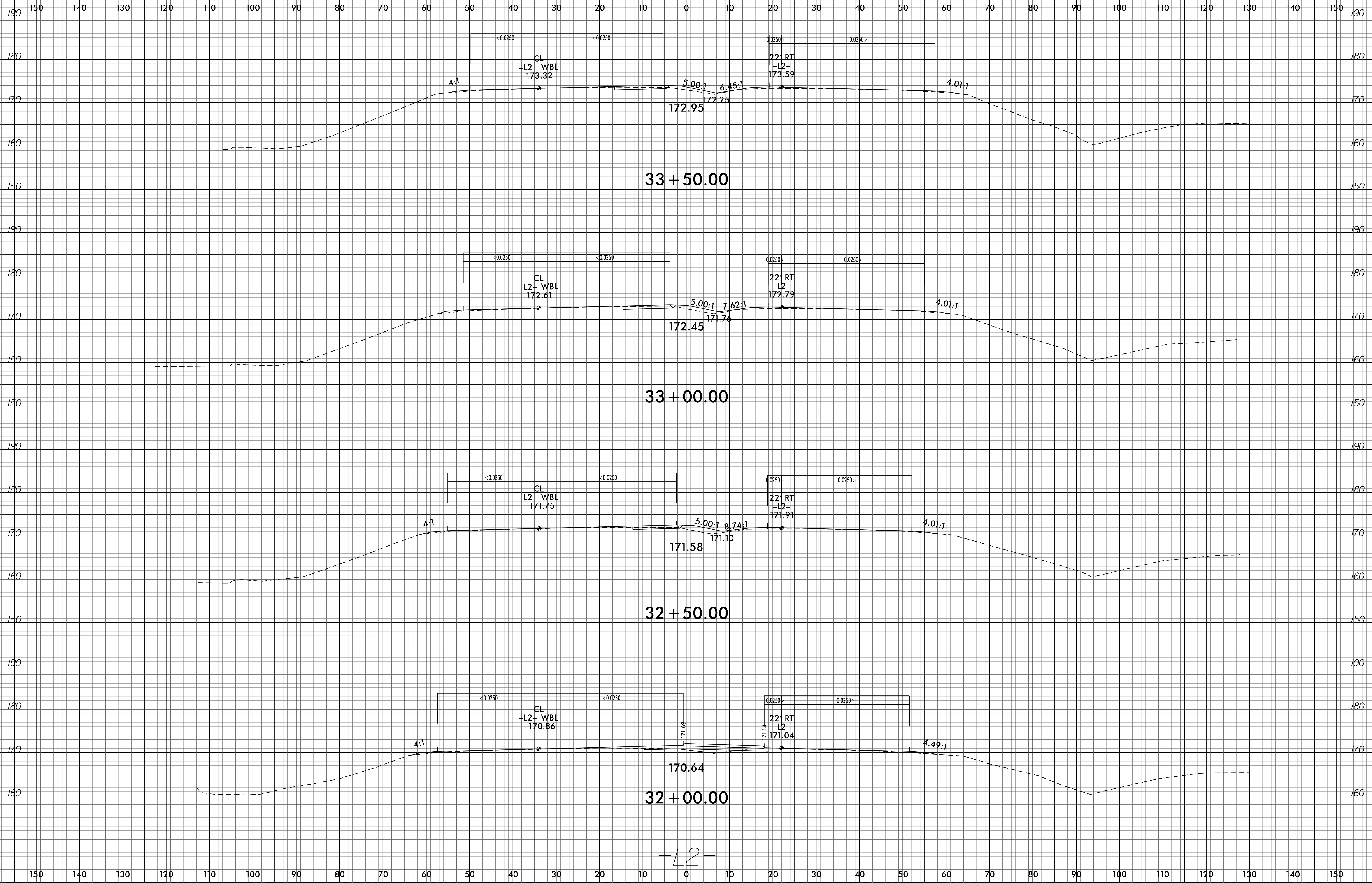
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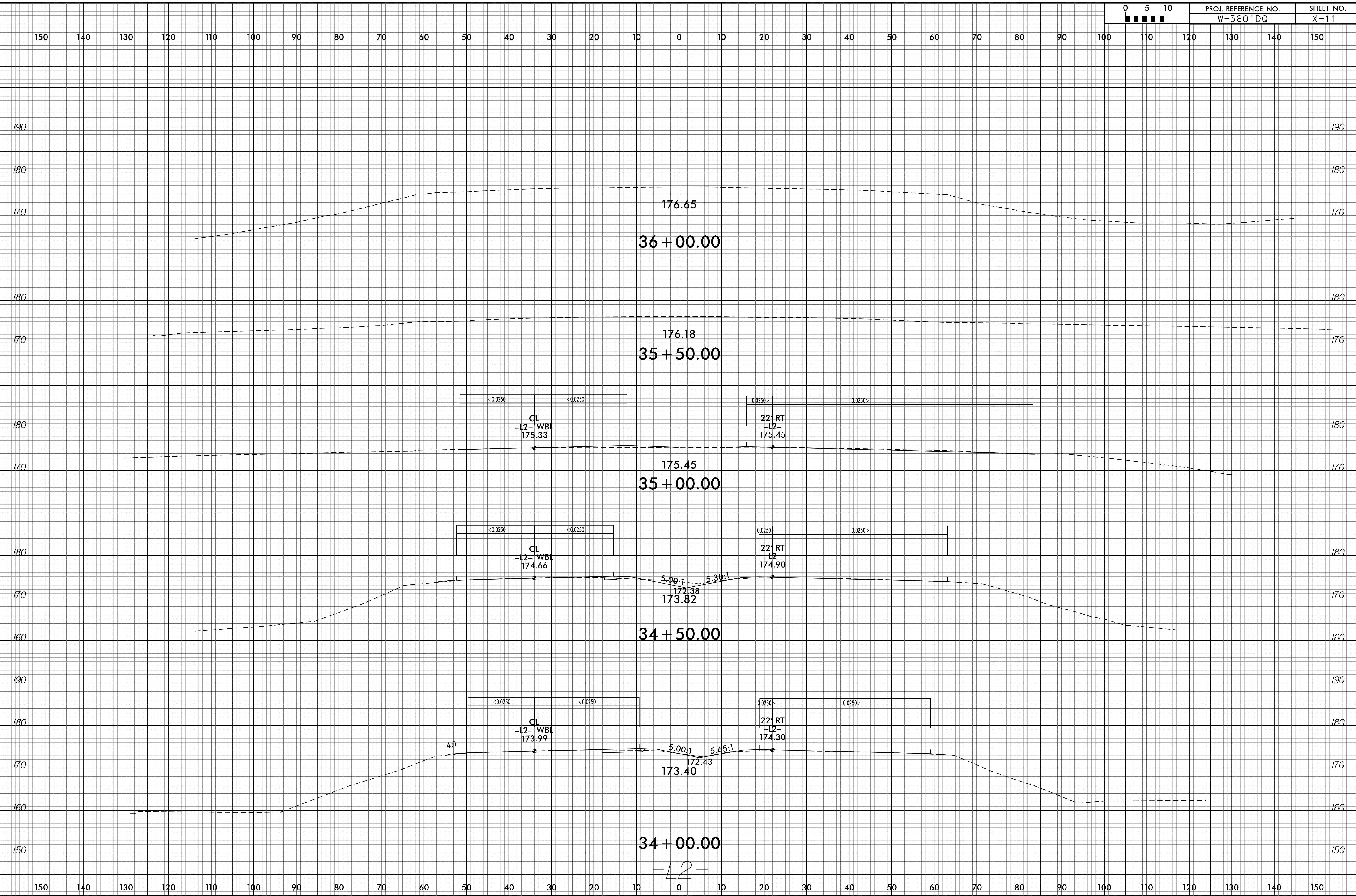
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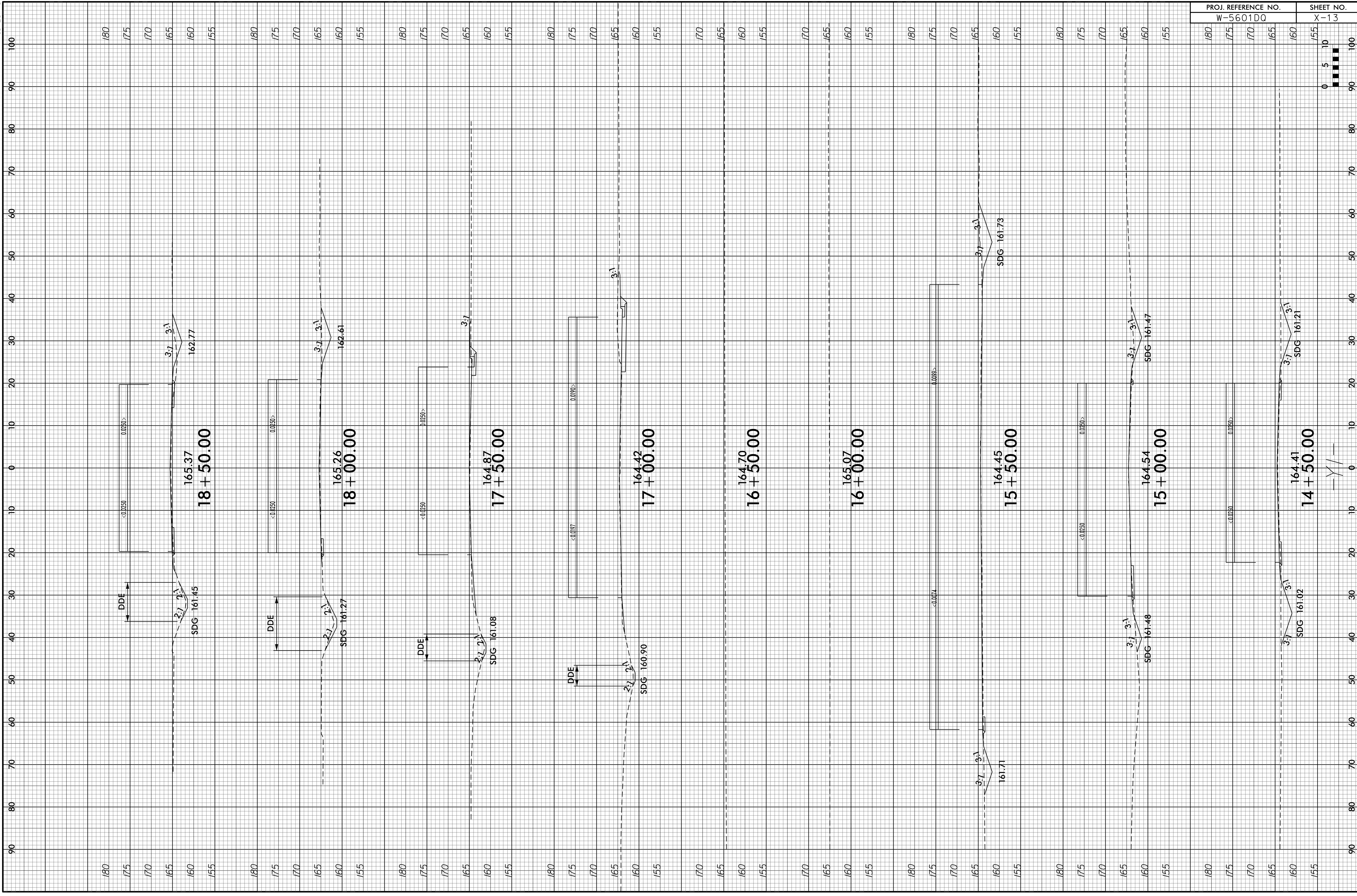
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