

CONTRACT: C204992



RK&K
P: (919) 878-9560
8601 Six Forks Road, Forum 1, Suite 700
Raleigh, North Carolina 27615-3960
NC License No. F-0112

Engineers | Construction Managers | Planners | Scientists
www.rkk.com

Responsive People | Creative Solutions

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

Note: Not to Scale

BOUNDARIES AND PROPERTY:

State Line	
County Line	
Township Line	
City Line	
Reservation Line	
Property Line	
Existing Iron Pin (EIP)	
Computed Property Corner	
Existing Concrete Monument (ECM)	
Parcel/Sequence Number	
Existing Fence Line	
Proposed Woven Wire Fence	
Proposed Chain Link Fence	
Proposed Barbed Wire Fence	
Existing Wetland Boundary	
Proposed Wetland Boundary	
Existing Endangered Animal Boundary	
Existing Endangered Plant Boundary	
Existing Historic Property Boundary	
Known Contamination Area: Soil	
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	
Buffer Zone 1	
Buffer Zone 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 & PROJECT CONTROL:

Primary Horiz Control Point	
Primary Horiz and Vert Control Point	
Secondary Horiz and Vert Control Point	
Vertical Benchmark	
Existing Right of Way Monument	
Proposed Right of Way Monument (Rebar and Cap)	
Proposed Right of Way Monument (Concrete)	
Existing Permanent Easement Monument	
Proposed Permanent Easement Monument (Rebar and Cap)	
Existing C/A Monument	
Proposed C/A Monument (Rebar and Cap)	
Proposed C/A Monument (Concrete)	
Existing Right of Way Line	
Proposed Right of Way Line	
Existing Control of Access Line	
Proposed Control of Access Line	
Proposed ROW and CA Line	
Existing Easement Line	
Proposed Temporary Construction Easement	
Proposed Temporary Drainage Easement	
Proposed Permanent Drainage Easement	
Proposed Permanent Drainage/Utility Easement	
Proposed Permanent Utility Easement	
Proposed Temporary Utility Easement	
Proposed Aerial Utility Easement	

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	
Existing Curb	
Proposed Slope Stakes Cut	
Proposed Slope Stakes Fill	
Proposed Curb Ramp	
Existing Metal Guardrail	
Proposed Guardrail	
Existing Cable Guiderail	
Proposed Cable Guiderail	
Equality Symbol	
Pavement Removal	
VEGETATION:	
Single Tree	
Single Shrub	
Hedge	

Woods Line	
Orchard	
Vineyard	

EXISTING STRUCTURES:

MAJOR:	
Bridge, Tunnel or Box Culvert	
Bridge Wing Wall, Head Wall and End Wall	
MINOR:	
Head and End Wall	
Pipe Culvert	
Footbridge	
Drainage Box: Catch Basin, DI or JB	
Paved Ditch Gutter	
Storm Sewer Manhole	
Storm Sewer	

UTILITIES:

* SUE – Subsurface Utility Engineering
LOS – Level of Service – A,B,C or D (Accuracy)

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 Test Hole (SUE – LOS A)*	
U/G Power Line (SUE – LOS B)*	
U/G Power Line (SUE – LOS C)*	
U/G Power Line (SUE – LOS D)*	

TELEPHONE:

Existing Telephone Pole	
Proposed Telephone Pole	
Telephone Manhole	
Telephone Pedestal	
Telephone Cell Tower	
U/G Telephone Cable Hand Hole	
U/G Telephone Test Hole (SUE – LOS A)*	
U/G Telephone Cable (SUE – LOS B)*	
U/G Telephone Cable (SUE – LOS C)*	
U/G Telephone Cable (SUE – LOS D)*	
U/G Telephone Conduit (SUE – LOS B)*	
U/G Telephone Conduit (SUE – LOS C)*	
U/G Telephone Conduit (SUE – LOS D)*	
U/G Fiber Optics Cable (SUE – LOS B)*	
U/G Fiber Optics Cable (SUE – LOS C)*	
U/G Fiber Optics Cable (SUE – LOS D)*	

WATER:

Water Manhole	
Water Meter	
Water Valve	
Water Hydrant	
U/G Water Line Test Hole (SUE – LOS A)*	
U/G Water Line (SUE – LOS B)*	
U/G Water Line (SUE – LOS C)*	
U/G Water Line (SUE – LOS D)*	
Above Ground Water Line	
TV:	
TV Pedestal	
TV Tower	
U/G TV Cable Hand Hole	
U/G TV Test Hole (SUE – LOS A)*	
U/G TV Cable (SUE – LOS B)*	
U/G TV Cable (SUE – LOS C)*	
U/G TV Cable (SUE – LOS D)*	
U/G Fiber Optic Cable (SUE – LOS B)*	
U/G Fiber Optic Cable (SUE – LOS C)*	
U/G Fiber Optic Cable (SUE – LOS D)*	

GAS:

Gas Valve	
Gas Meter	
U/G Gas Line Test Hole (SUE – LOS A)*	
U/G Gas Line (SUE – LOS B)*	
U/G Gas Line (SUE – LOS C)*	
U/G Gas Line (SUE – LOS D)*	
Above Ground Gas Line	

SANITARY SEWER:

Sanitary Sewer Manhole	
Sanitary Sewer Cleanout	
U/G Sanitary Sewer Line	
Above Ground Sanitary Sewer	
SS Force Main Line Test Hole (SUE – LOS A)*	
SS Force Main Line (SUE – LOS B)*	
SS Force Main Line (SUE – LOS C)*	
SS Force Main Line (SUE – LOS D)*	

MISCELLANEOUS:

Utility Pole	
Utility Pole with Base	
Utility Located Object	
Utility Traffic Signal Box	
Utility Unknown U/G Line (SUE – LOS B)*	
U/G Tank; Water, Gas, Oil	
Underground Storage Tank, Approx. Loc.	
A/G Tank; Water, Gas, Oil	
Geoenvironmental Boring	
Abandoned According to Utility Records	
End of Information	

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

SHEET NO.

2A-1

PAVEMENT
ENGINEER

A circular professional engineer seal for Andrew D. Wargo, North Carolina, License No. 044590. The seal includes the text "NORTH CAROLINA", "PROFESSIONAL", "SEAL", "044590", "ENGINEER", and "ANDREW D. WARGO". The expiration date "12/2024" is also visible.

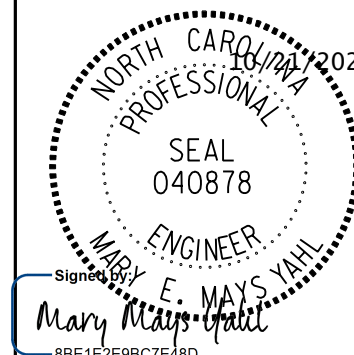
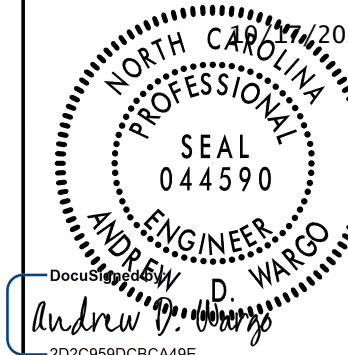
A1	12" JOINTED CONCRETE TRUCK APRON.	E1	PROP. APPROX. 4" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.	 	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS.	E3	PROP. APPROX. 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.		
C2	PROP. APPROX. 2.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.	E4	PROP. VAR. DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 3" IN DEPTH OR GREATER THAN 5.5" IN DEPTH.	R5	EXPRESSWAY GUTTER
C3	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.	J1	PROP. 8" AGGREGATE BASE COURSE	R6	4" CONCRETE COVER
C4	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. PER 1" DEPTH TO BE PLACED IN LAYERS NOT TO EXCEED 1.5" IN DEPTH.	K	PROP. 12" CLASS IV SUBGRADE STABILIZATION	R9	SHOULDER BERM GUTTER
C6	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.	N	GEOTEXTILE FOR SUBGRADE STABILIZATION	SM	SELECT GRANULAR MATERIAL, CLASS III
C7	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.	P	PRIME COAT	S	4" CONCRETE SIDEWALK
D1	PROP. APPROX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.	R1	2'-6" CONCRETE CURB AND GUTTER	T	EARTH MATERIAL
D2	PROP. APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.	R2	1'-6" CONCRETE CURB AND GUTTER	U	EXISTING PAVEMENT
D3	PROP. VAR. DEPTH ASPHALT CONCRETE 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 2.5" OR GREATER THAN 4" IN DEPTH.	R4	5" MONOLITHIC CONCRETE ISLAND (KEYED IN)	W	VARIABLE DEPTH ASPHALT PAVEMENT (SEE WEDGING DETAILS)

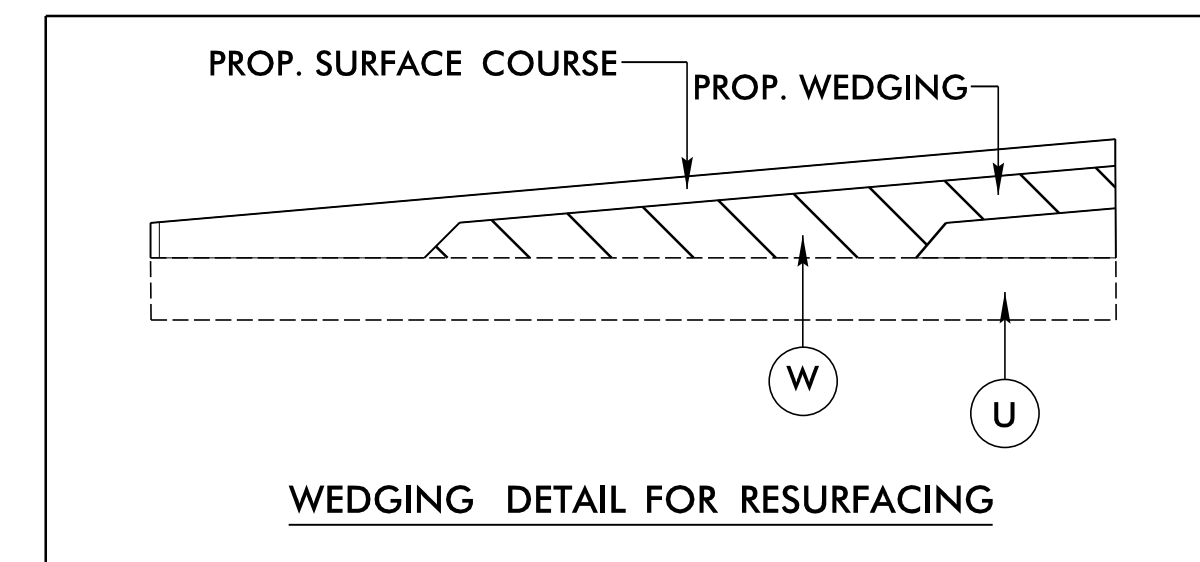
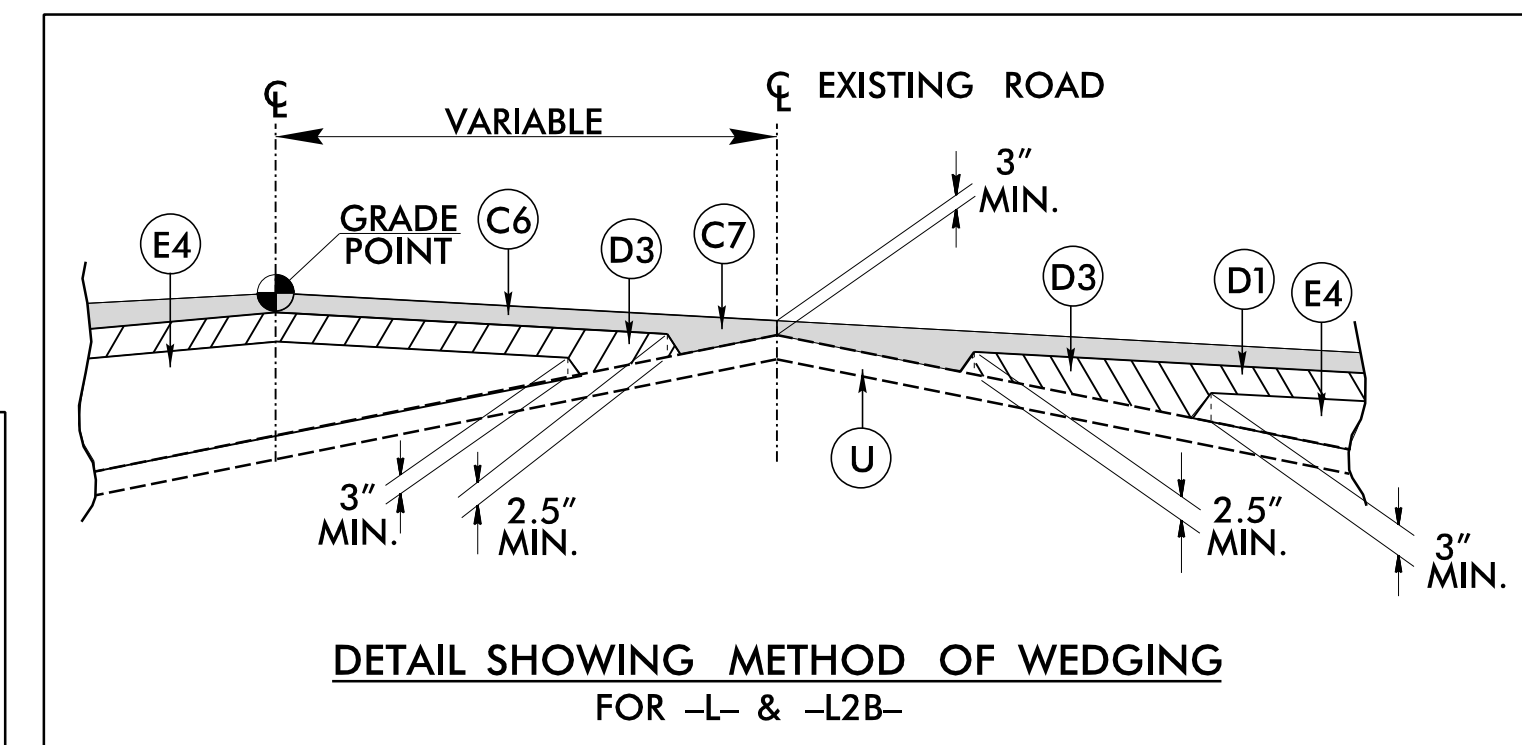
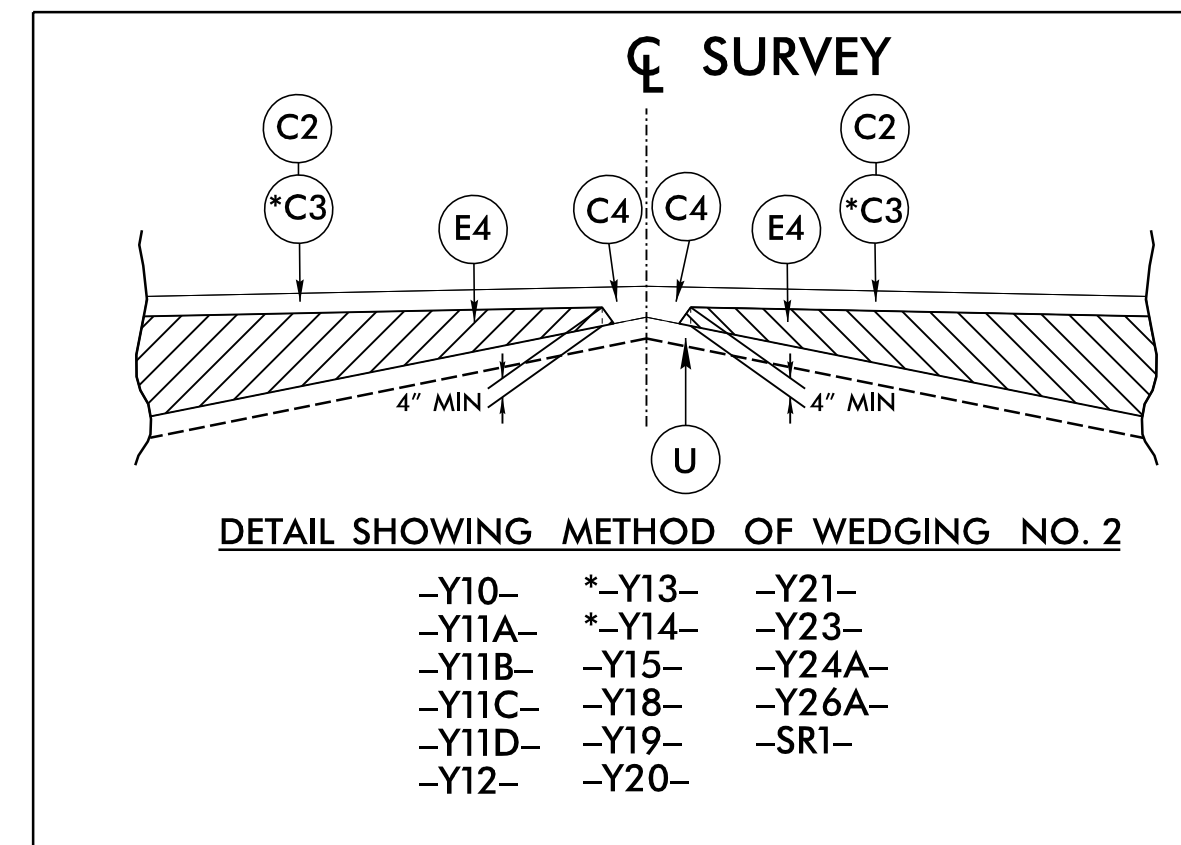
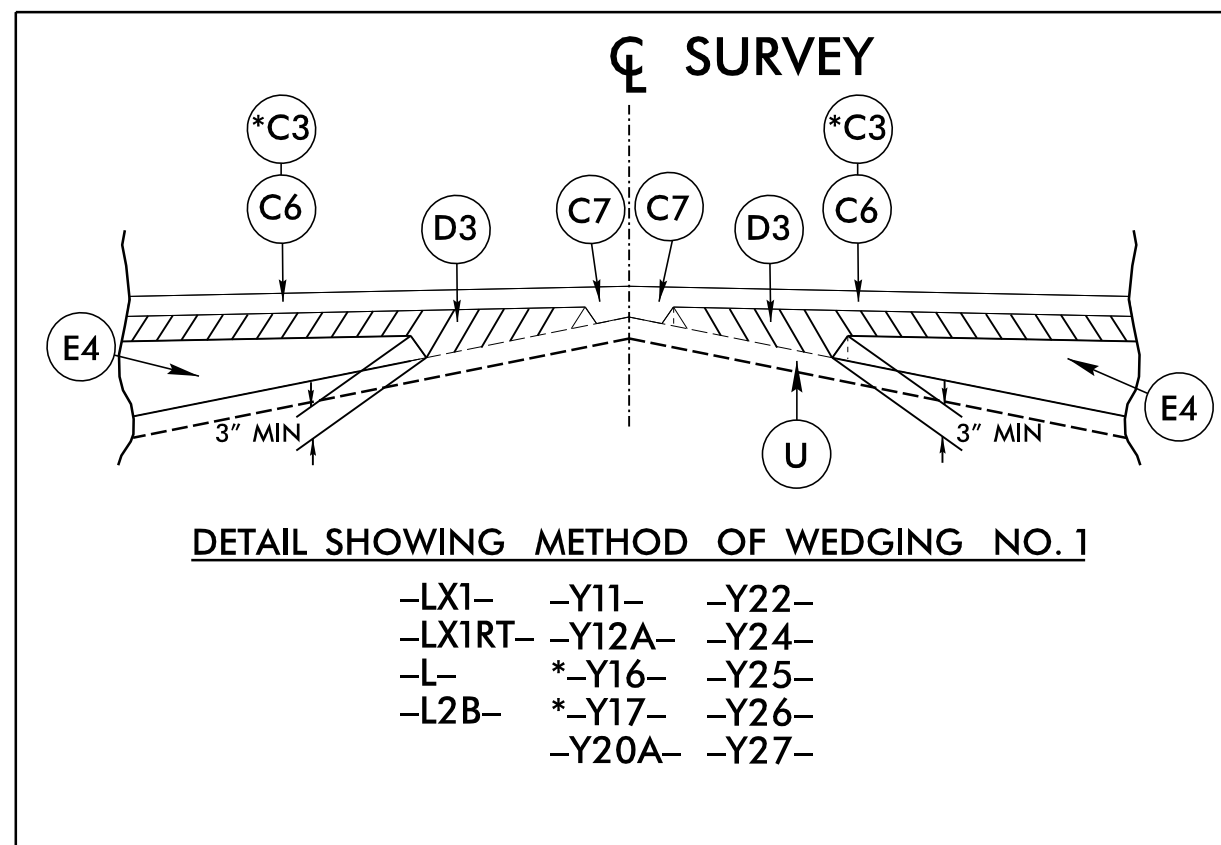
Diagram illustrating the Incidental Milling Detail. The diagram shows a cross-section of a road with an existing pavement surface. A proposed surface course is shown being milled, with a width of 25 feet or as directed by the engineer. A proposed wedge is shown on the right side. Labels include: MILL 25' OR AS DIRECTED BY THE ENGINEER, PROP. SURFACE COURSE, PROP. WEDGING, EXISTING PAVEMENT, U, W, and 1.5%.

NOTE: MIRROR FOR END CONSTRUCTION

INCIDENTAL MILLING DETAIL

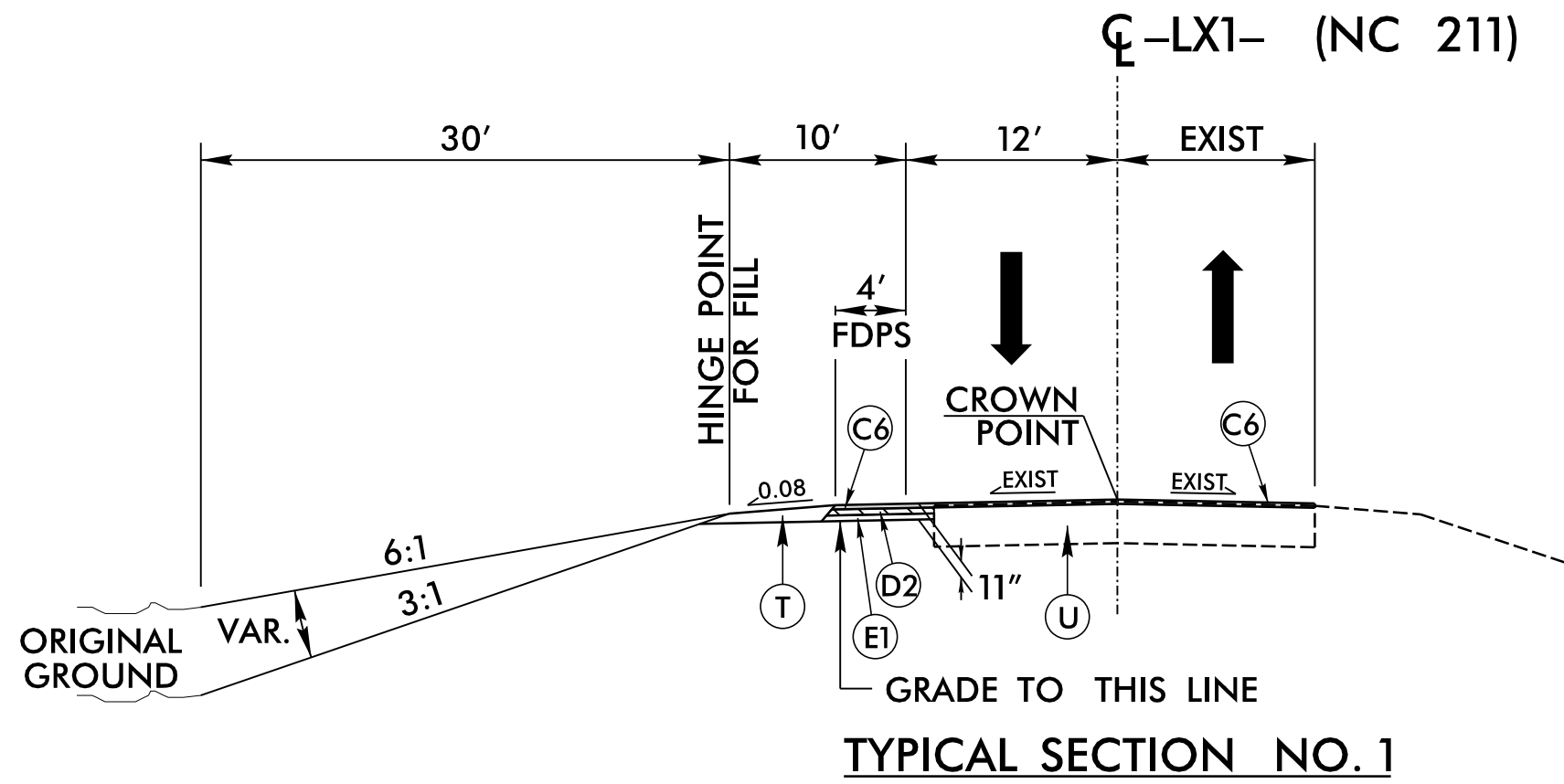
MILL EXISTING PAVEMENT ON THE FOLLOWING ALIGNMENT TIES:

-LX1-	-Y12-	-Y19-	-Y25-
-L2B-	-Y12A-	-Y20-	-Y26-
-Y10-	-Y13-	-Y20A-	-Y26A
-Y11-	-Y14-	-Y21-	-Y27-
-Y11A-	-Y15-	-Y22-	-DR7-
-Y11B-	-Y16-	-Y23-	-DR8-
-Y11C-	-Y17-	-Y24-	-DR10-
-Y11D-	-Y18-	-Y24A-	-SR1-
-Y11E-			

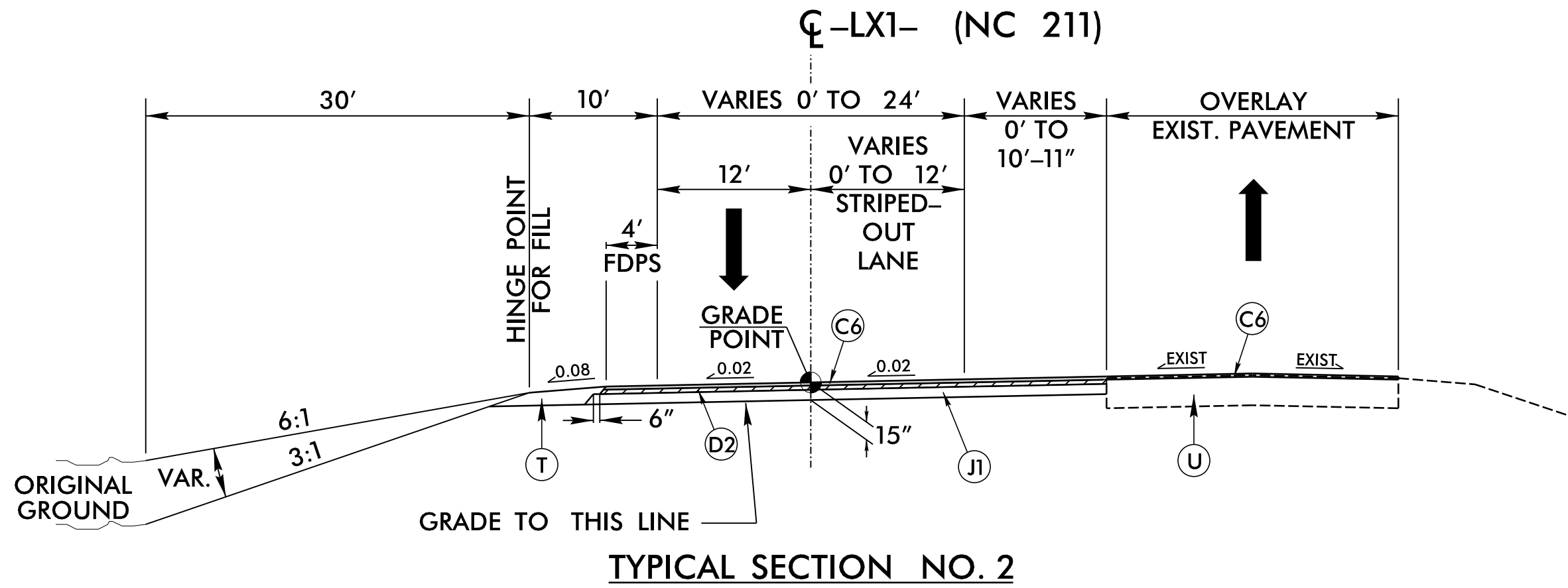


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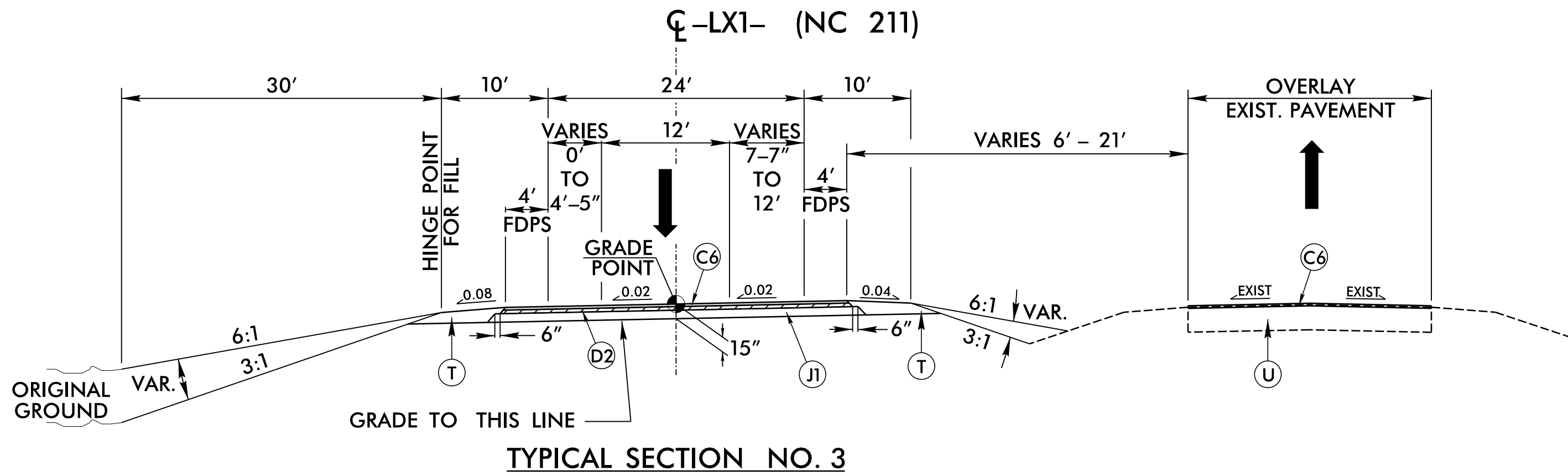
PAVEMENT SCHEDULE	
C6	3" S9.5C
D2	4" I19.0C
E1	4" B25.0C
J1	8" ABC
T	EARTH MATERIAL
U	EXIST. PAVEMENT



USE TYPICAL SECTION NO. 1
-LX1- STA. 10+00.00 TO STA. 14+93.46



USE TYPICAL SECTION NO. 2
-LX1- STA. 14+93.46 TO STA. 18+41.61



USE TYPICAL SECTION NO. 3
-LX1- STA. 18+41.61 TO STA. 20+83.11

NOTES
PAVEMENT EDGES ARE 1:1 UNLESS SHOWN OTHERWISE.
SEE PLANS FOR LOCATION OF AUXILIARY LANES, SIDEWALK, CONCRETE ISLANDS, AND TAPERS.

PROJECT REFERENCE NO.		SHEET NO.	
R-5709C		2A-2	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		PAVEMENT ENGINEER	
			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

NOTES
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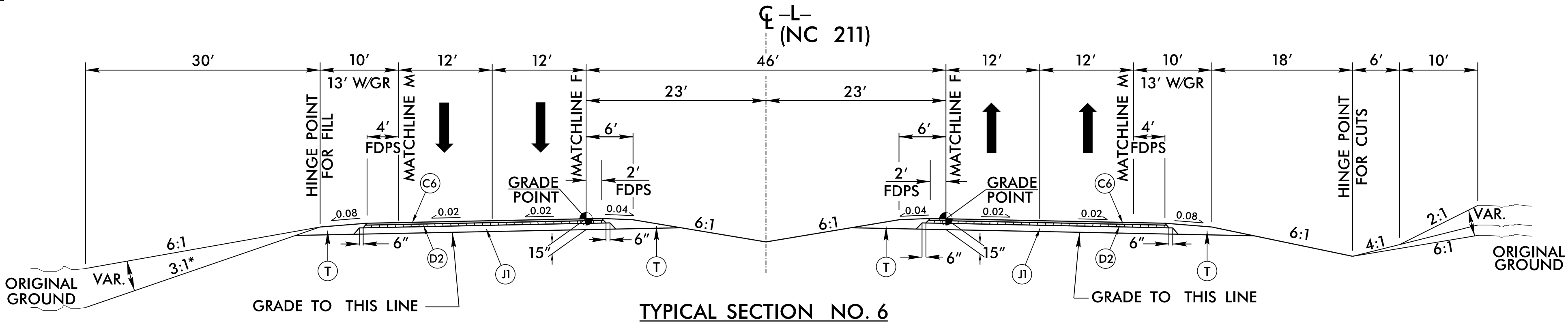
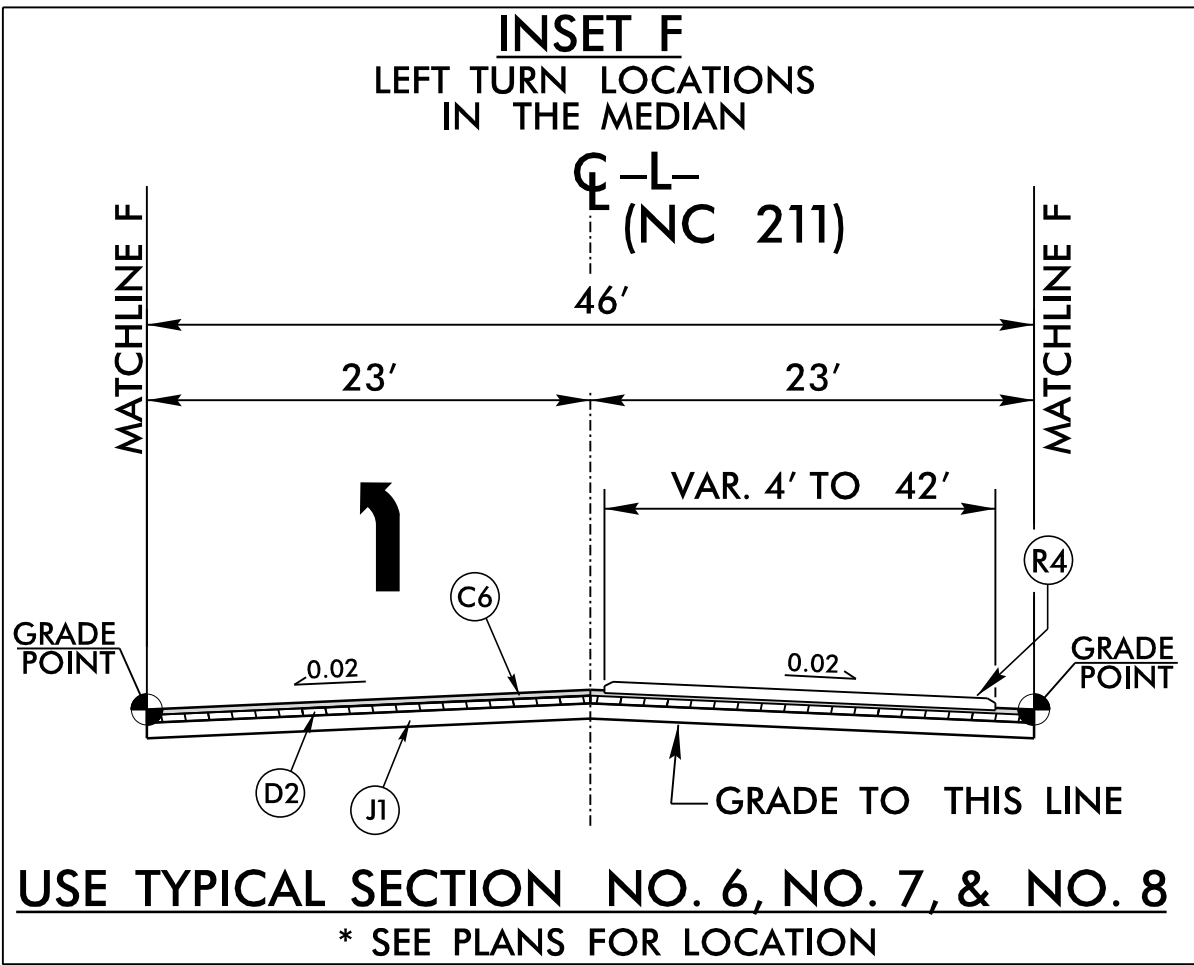
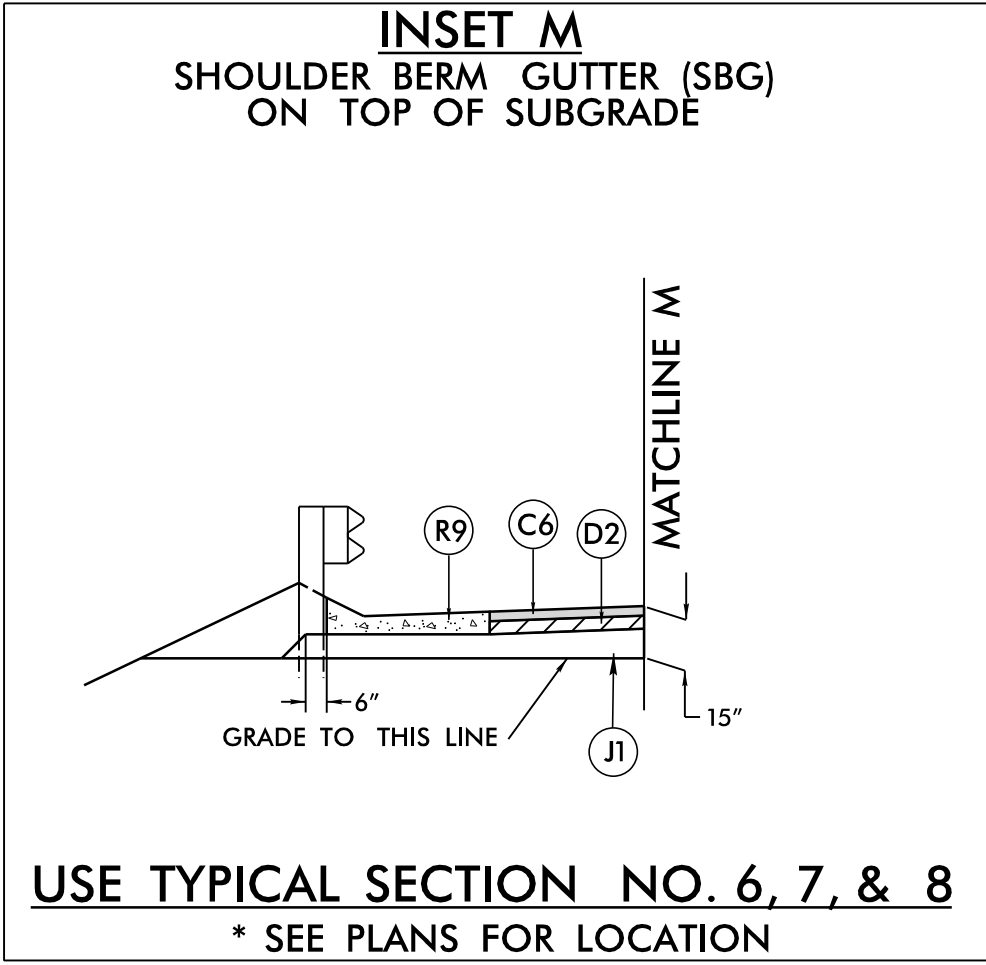
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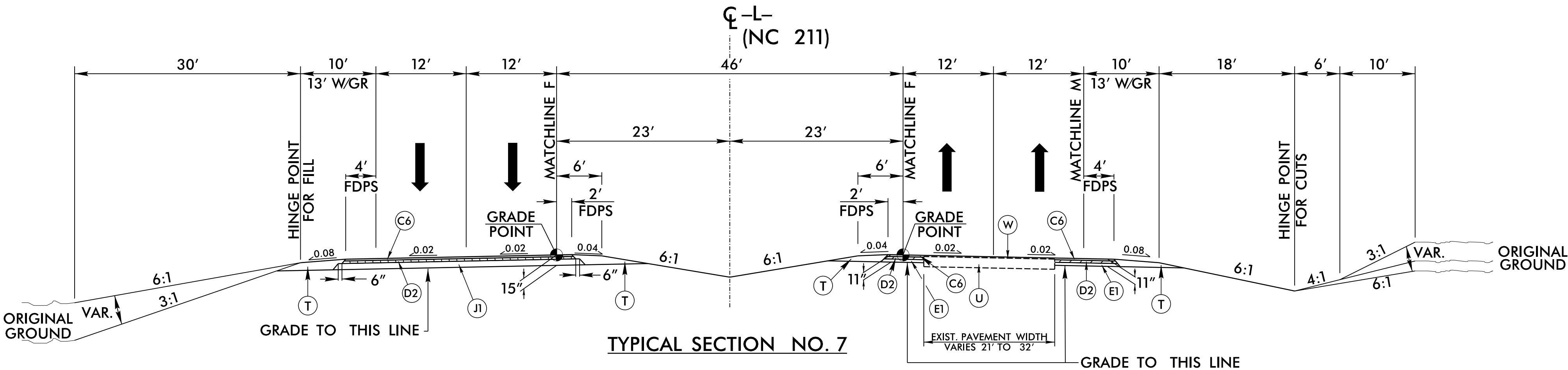
PAVEMENT SCHEDULE	
C6	3" S9.5C
D2	4" I19.0C
E1	4" B25.0C
J1	8" ABC
R4	5" CONC. ISLAND
R9	SHOULDER BERM GUTTER
T	EARTH MATERIAL
U	EXIST. PAVEMENT
W	WEDGING



USE TYPICAL SECTION NO. 6

- L- STA. 336+00.00 TO STA. 341+00.00
- L- STA. 347+50.00 TO STA. 356+00.00
- L- STA. 357+50.00 TO STA. 362+18.44
- L- STA. 367+00.00 TO STA. 370+50.00
- L- STA. 412+50.00 TO STA. 417+00.00
- L- STA. 433+50.00 TO STA. 434+50.00
- L- STA. 445+50.00 TO STA. 448+50.00
- L- STA. 477+50.00 TO STA. 481+00.00
- L- STA. 496+50.00 TO STA. 500+50.00
- L- STA. 508+50.00 TO STA. 511+00.00
- L- STA. 512+50.00 TO STA. 514+00.00
- L- STA. 515+50.00 TO STA. 519+00.00
- L- STA. 531+50.00 TO STA. 533+50.00
- L- STA. 551+50.00 TO STA. 554+00.00
- L- STA. 555+50.00 TO STA. 570+00.00
- L- STA. 581+00.00 TO STA. 591+00.00
- L- STA. 592+00.00 TO STA. 604+50.00
- L- STA. 607+00.00 TO STA. 632+50.00
- L- STA. 648+00.00 TO STA. 678+50.00
- L- STA. 715+50.00 TO STA. 719+50.00
- L- STA. 723+50.00 TO STA. 726+50.00
- L- STA. 728+00.00 TO STA. 732+50.00
- L- STA. 763+50.00 TO STA. 774+00.00

*NOTE: USE SEPARATE -L RT- GRADES IN THE FOLLOWING LOCATION:
-L- STA. 648+00 TO STA. 653+40



USE TYPICAL SECTION NO. 7

- L- STA. 328+00.00 TO STA. 336+00.00
- L- STA. 341+00.00 TO STA. 347+50.00
- L- STA. 356+00.00 TO STA. 357+50.00
- L- STA. 361+50.00 TO STA. 367+00.00
- L- STA. 370+50.00 TO STA. 377+35.09

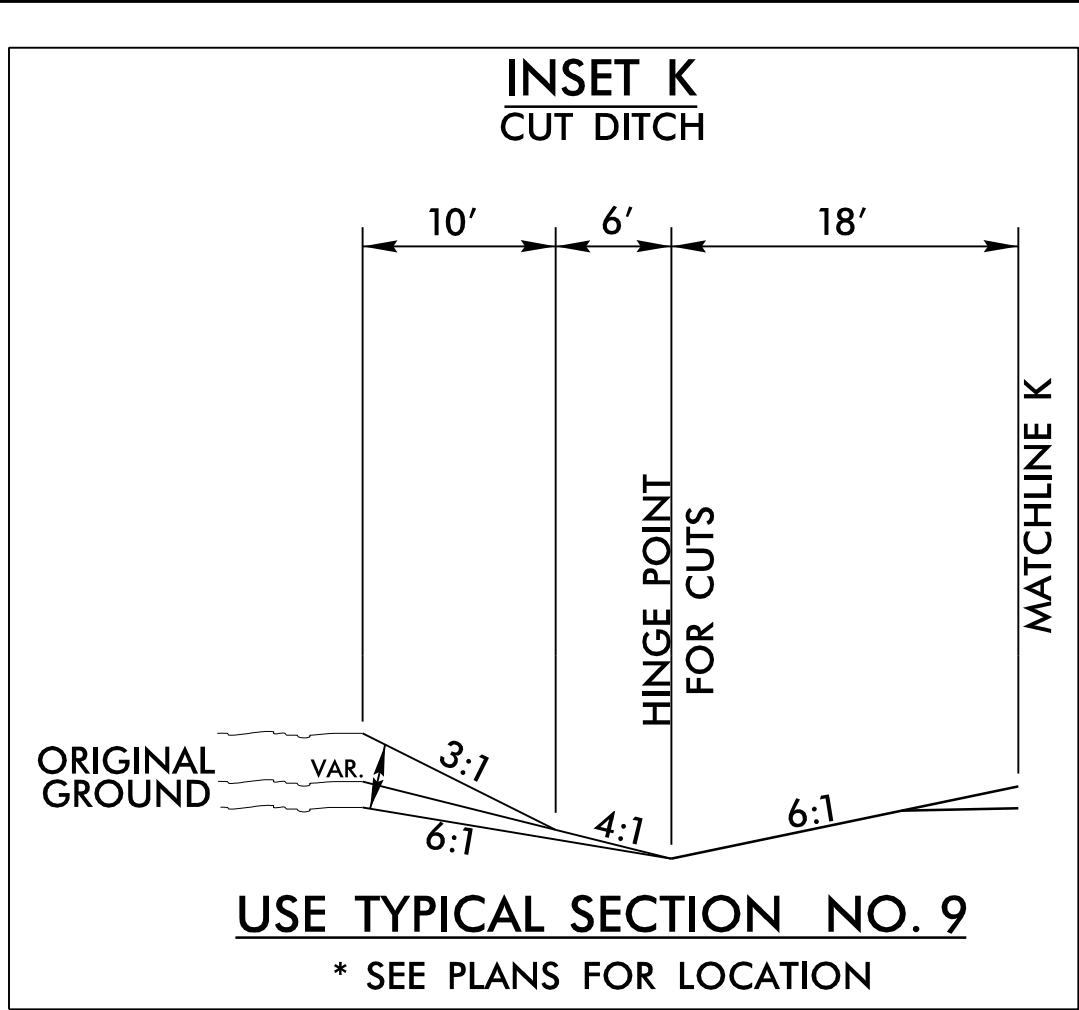
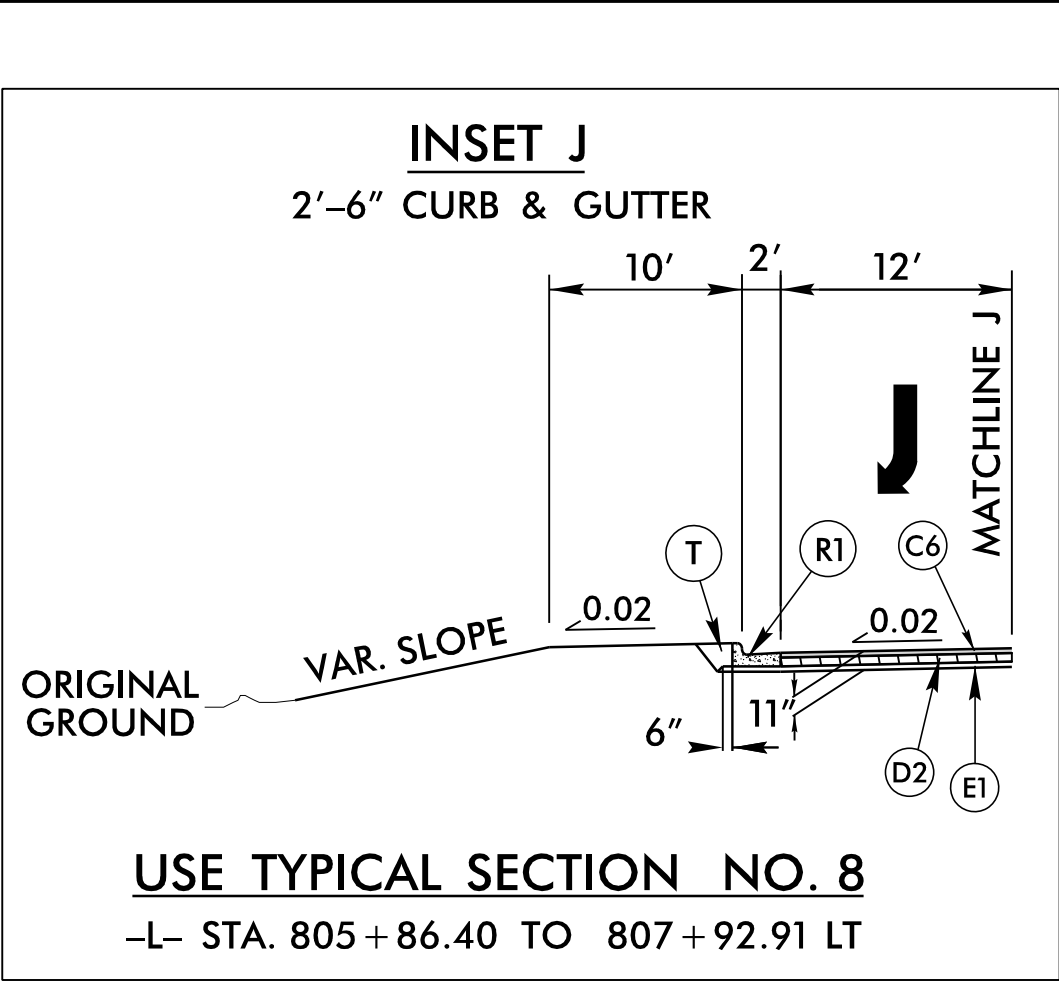
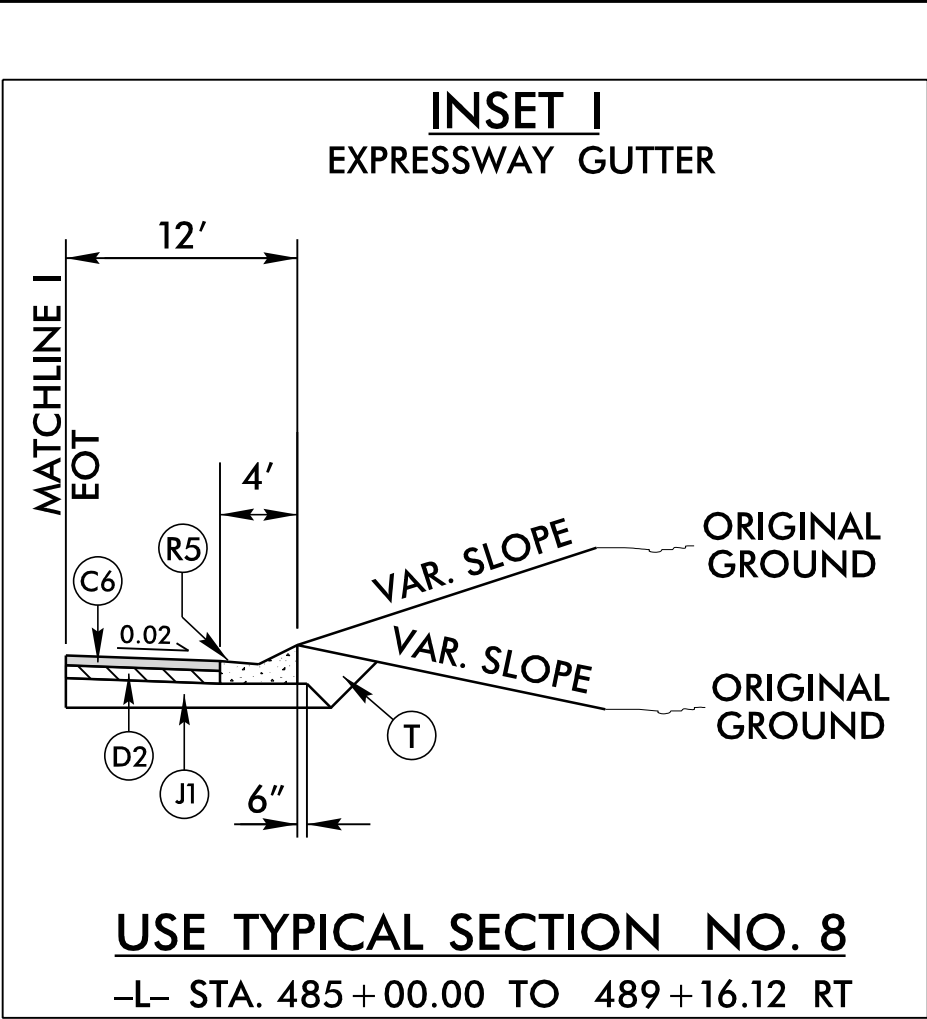
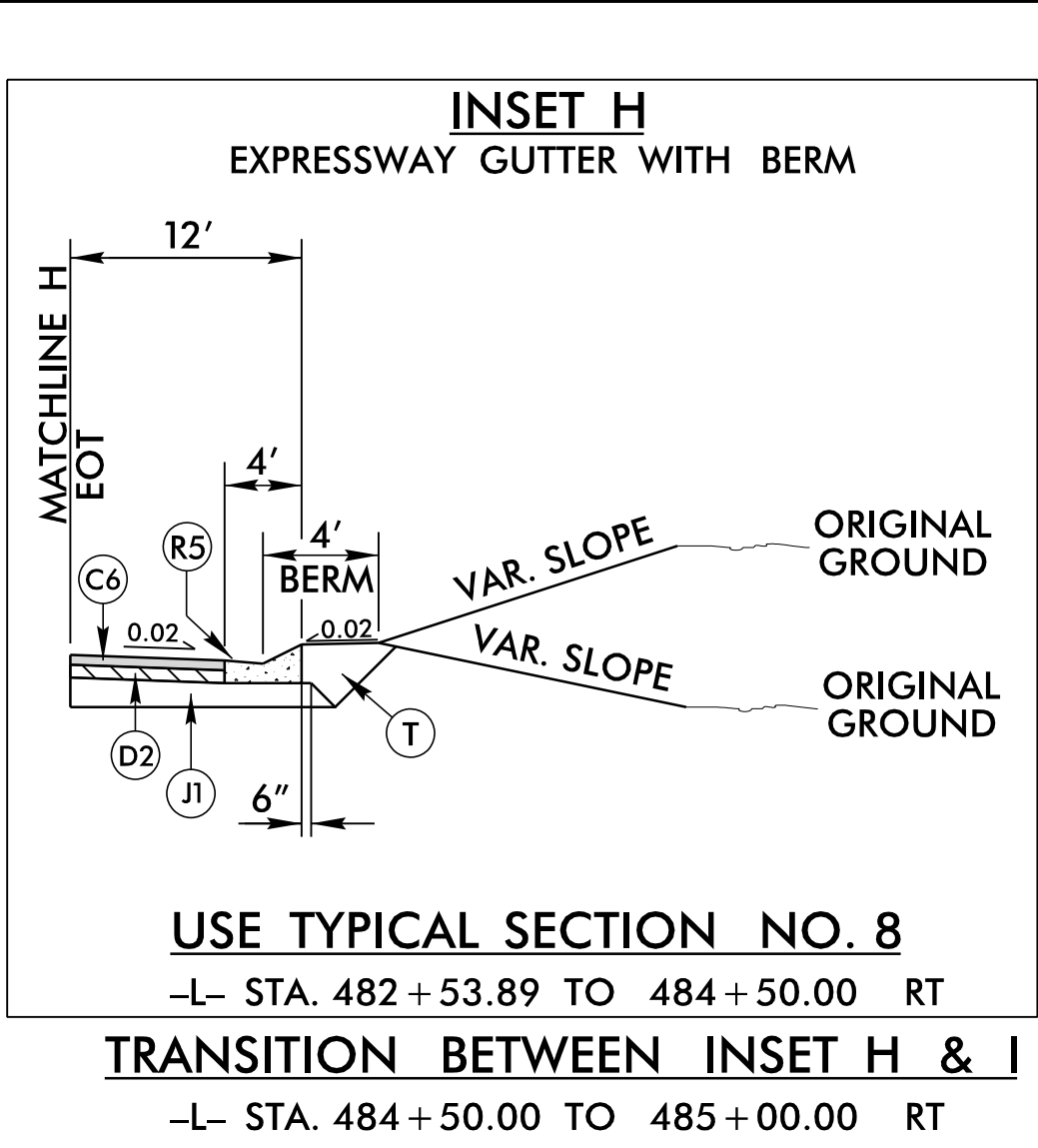
NOTES
PAVEMENT EDGES ARE 1:1 UNLESS SHOWN OTHERWISE.
SEE PLANS FOR LOCATION OF AUXILIARY LANES, SIDEWALK, CONCRETE ISLANDS, AND TAPERS.

PROJECT REFERENCE NO.	SHEET NO.
R-5709C	2A-4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	PAVEMENT ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

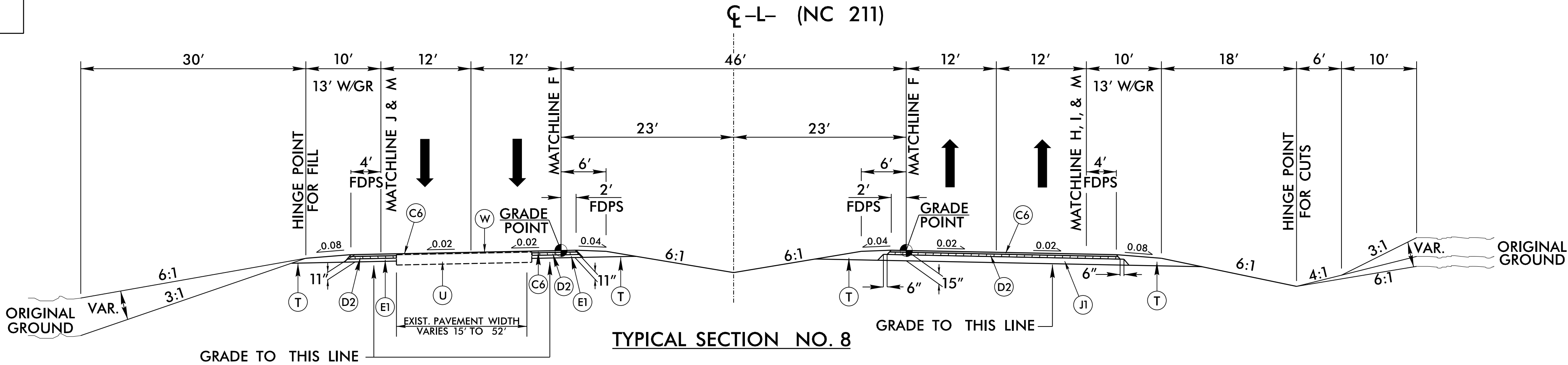
8/28/2024
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cc:rocker

8/17/99

PAVEMENT SCHEDULE	
C6	3" S9.5C
D2	4" I19.0C
E1	4" B25.0C
J1	8" ABC
R1	2'-6" C&G
R5	EXPRESSWAY GUTTER
S	4" CONC. SIDEWALK
T	EARTH MATERIAL
U	EXIST. PAVEMENT
W	WEDGING



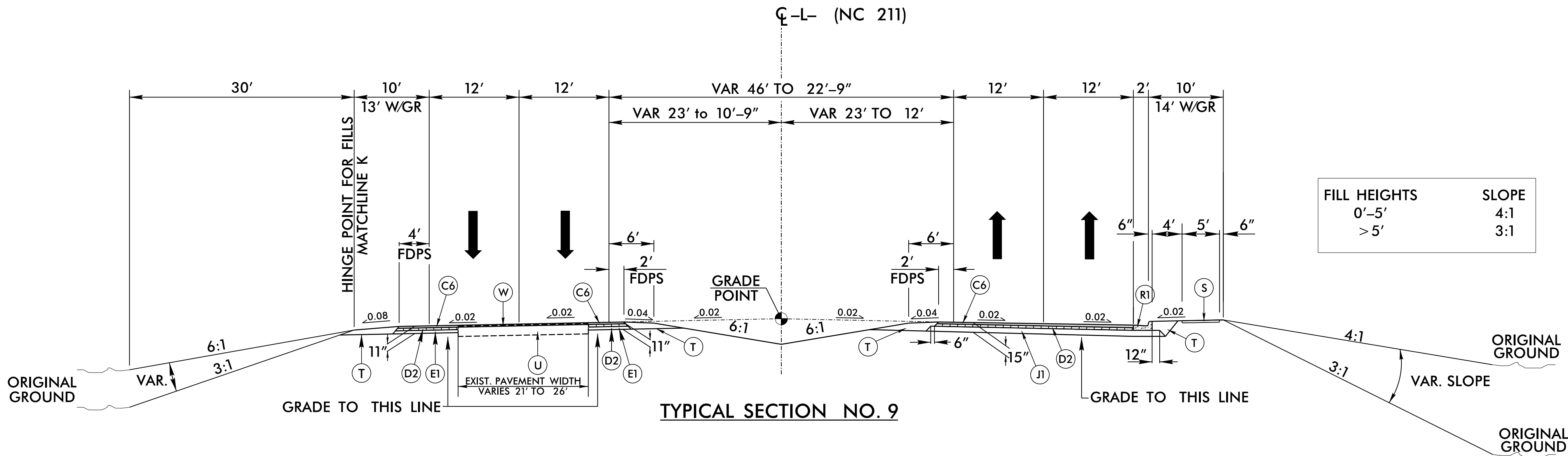
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R-5709C		2A-5
RW SHEET NO.		PAVEMENT ENGINEER
ROADWAY DESIGN ENGINEER		PAVEMENT ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		



USE TYPICAL SECTION NO. 8

-L- STA. 377+35.09 TO STA. 412+50.00
-L- STA. 417+00.00 TO STA. 433+50.00
-L- STA. 434+50.00 TO STA. 445+50.00
-L- STA. 448+50.00 TO STA. 477+50.00
-L- STA. 481+00.00 TO STA. 496+50.00
-L- STA. 500+50.00 TO STA. 508+50.00
-L- STA. 511+00.00 TO STA. 512+50.00
-L- STA. 514+00.00 TO STA. 515+50.00
-L- STA. 519+00.00 TO STA. 531+50.00
-L- STA. 533+50.00 TO STA. 551+50.00
-L- STA. 554+00.00 TO STA. 555+50.00
-L- STA. 570+00.00 TO STA. 581+00.00
-L- STA. 591+00.00 TO STA. 592+00.00
-L- STA. 604+50.00 TO STA. 607+00.00
*-L- STA. 632+50.00 TO STA. 648+00.00
*-L- STA. 678+50.00 TO STA. 715+50.00
-L- STA. 719+50.00 TO STA. 723+50.00
-L- STA. 726+50.00 TO STA. 728+00.00
-L- STA. 732+50.00 TO STA. 763+50.00
-L- STA. 774+00.00 TO STA. 811+00.00

*NOTE: USE SEPARATE -L RT- GRADES IN THE FOLLOWING LOCATION:
-L- STA. 692+95.00 TO STA. 707+50.00
-L-STA. 645+50.00 TO STA. 648+00.00



FILL HEIGHTS	SLOPE
0'-5'	4:1
> 5'	3:1

USE TYPICAL SECTION NO. 9

-L- STA. 811+00.00 TO STA. 817+59.00

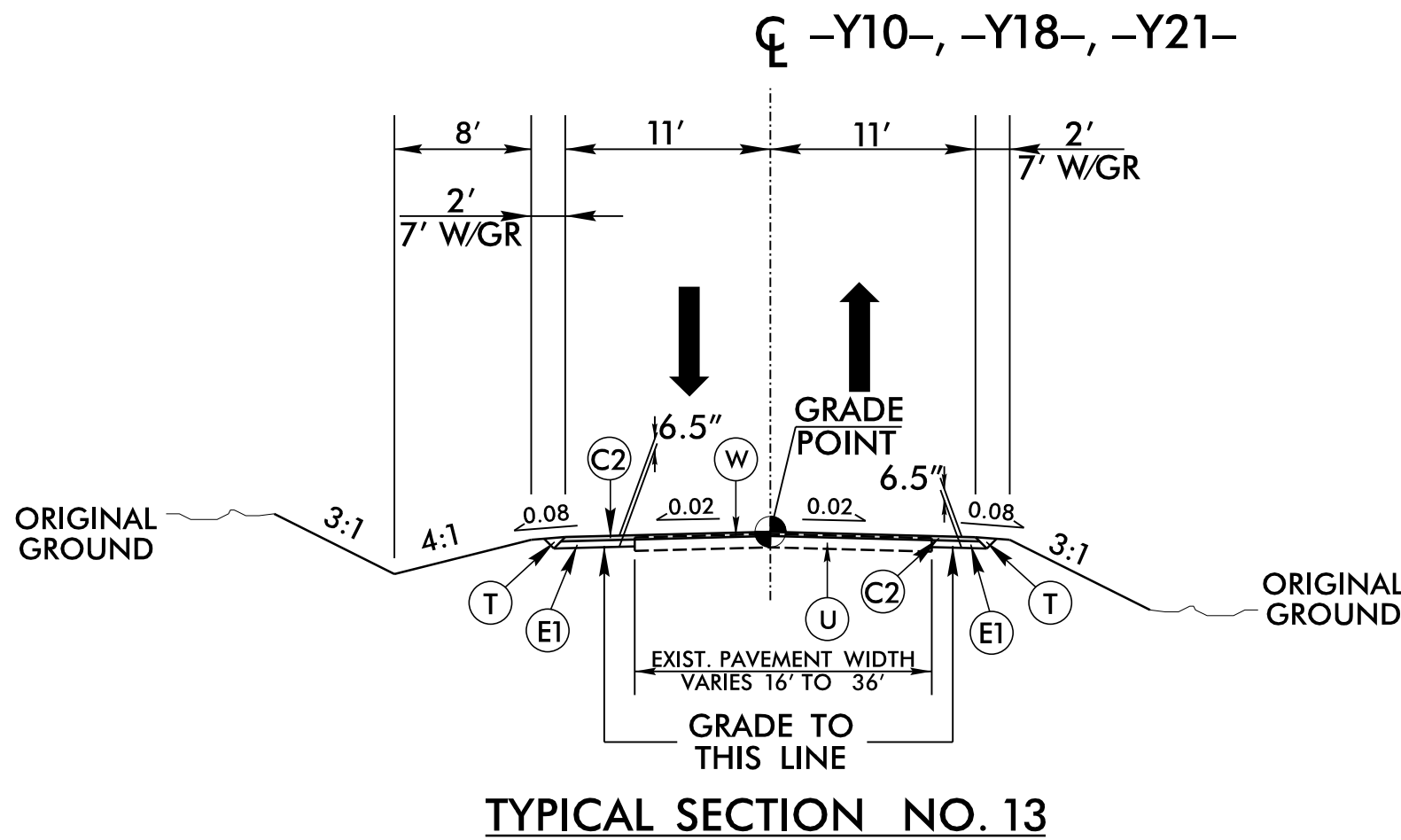
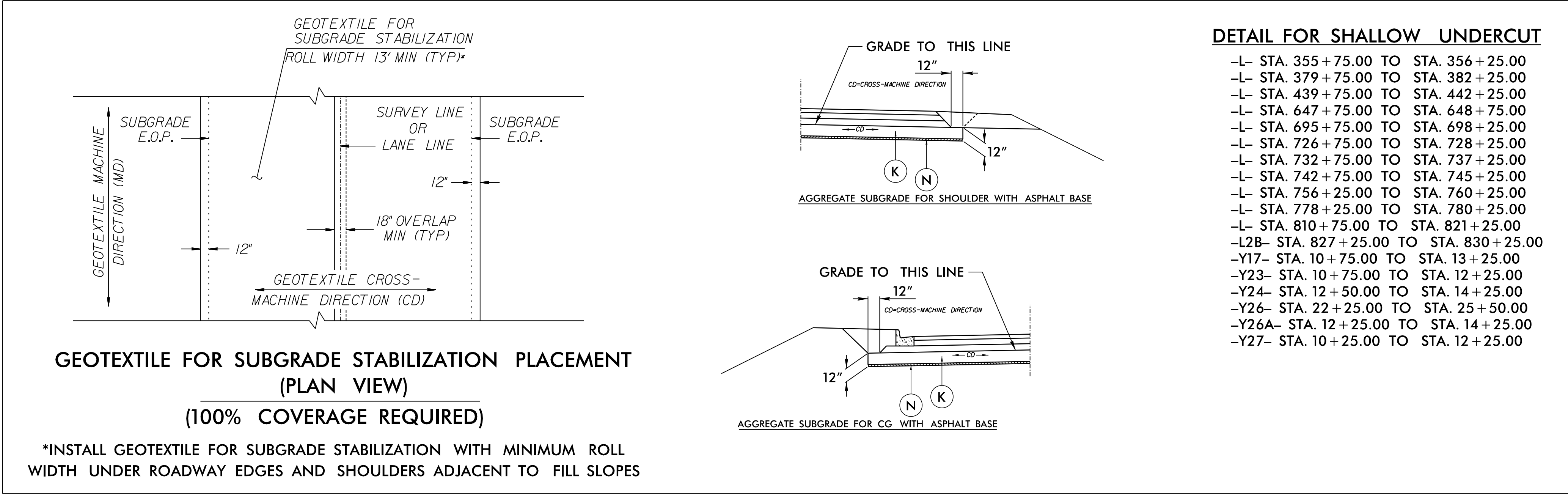
NOTES

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SEE PLANS FOR LOCATION OF AUXILIARY LANES, SIDEWALK, CONCRETE ISLANDS, AND TAPERS.

8/17/99

10/14/2024
R:\Roadway\Proj\N5709C_Fdy-tyl.dgn
amachetson

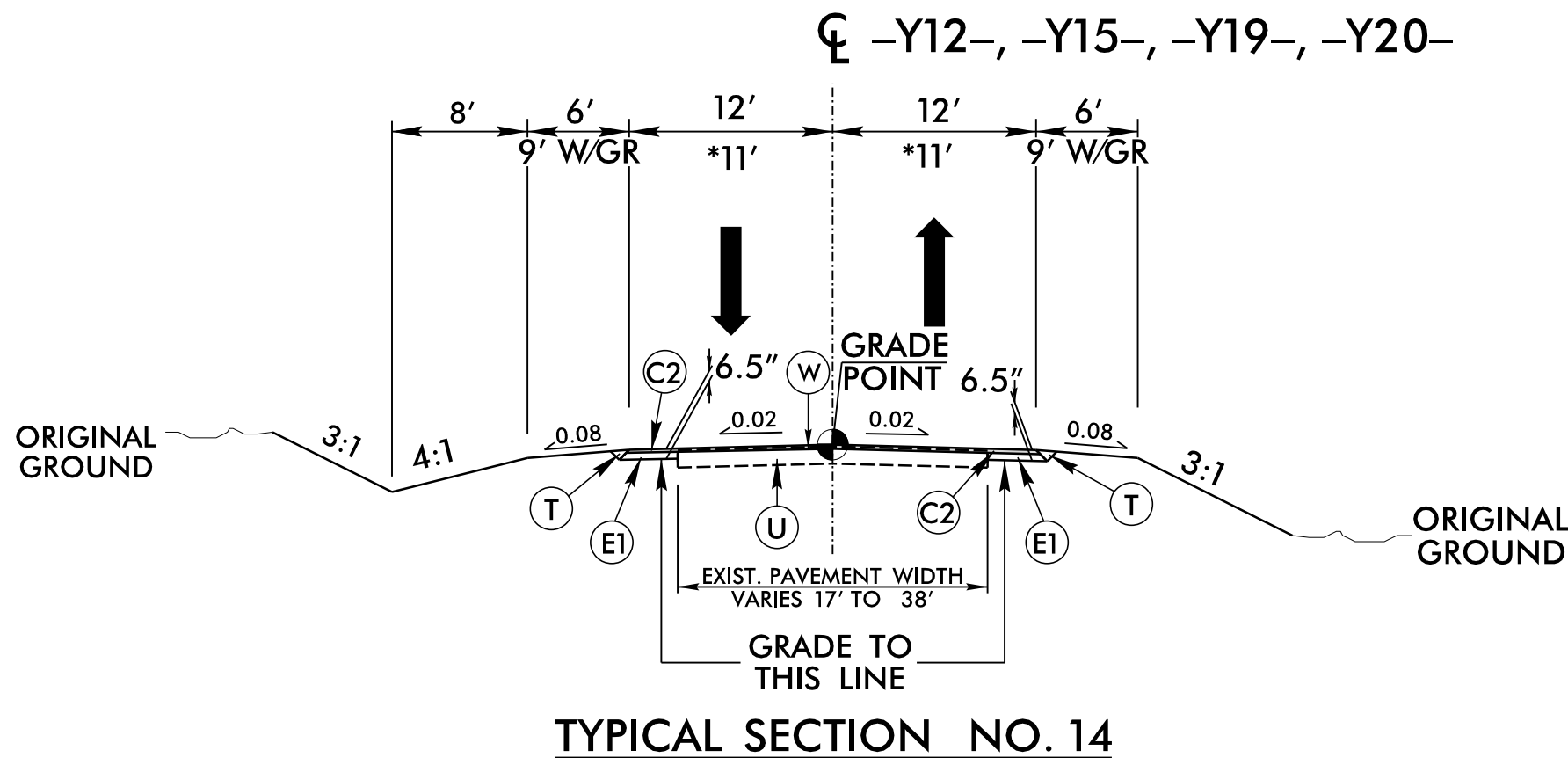
PAVEMENT SCHEDULE	
C2	2.5" S9.5B
E1	4" B25.0C
K	12" CLASS IV
N	GEOTEXTILE
T	EARTH MATERIAL
U	EXIST. PAVEMENT
W	WEDGING



USE TYPICAL SECTION NO. 13

-Y10- STA. 13+75.00 TO STA. 16+11.79
-Y10- STA. 17+30.42 TO STA. 19+75.00
-Y18- STA. 12+50.00 TO STA. 15+17.08
-Y21- STA. 10+51.78 TO STA. 12+50.00

NOTE: LANE WIDTH INCREASES TO 15' FROM PROPOSED WIDTH AT INTERSECTION WITH NC 211



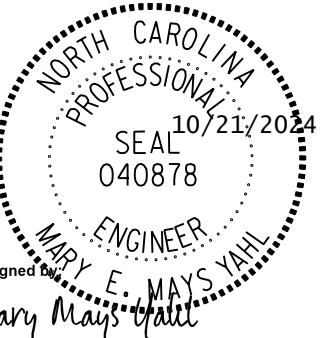
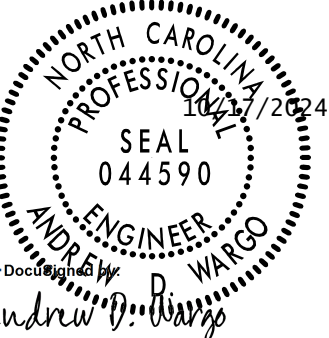
USE TYPICAL SECTION NO. 14

*-Y12- STA. 10+59.00 TO STA. 12+00.00
*-Y15- STA. 12+00.00 TO STA. 13+25.00
-Y19- STA. 11+00.00 TO STA. 12+25.00
*-Y20- STA. 13+10.00 TO STA. 15+29.36

NOTE: LANE WIDTH INCREASES TO 15' FROM PROPOSED WIDTH AT INTERSECTION WITH NC 211

NOTES

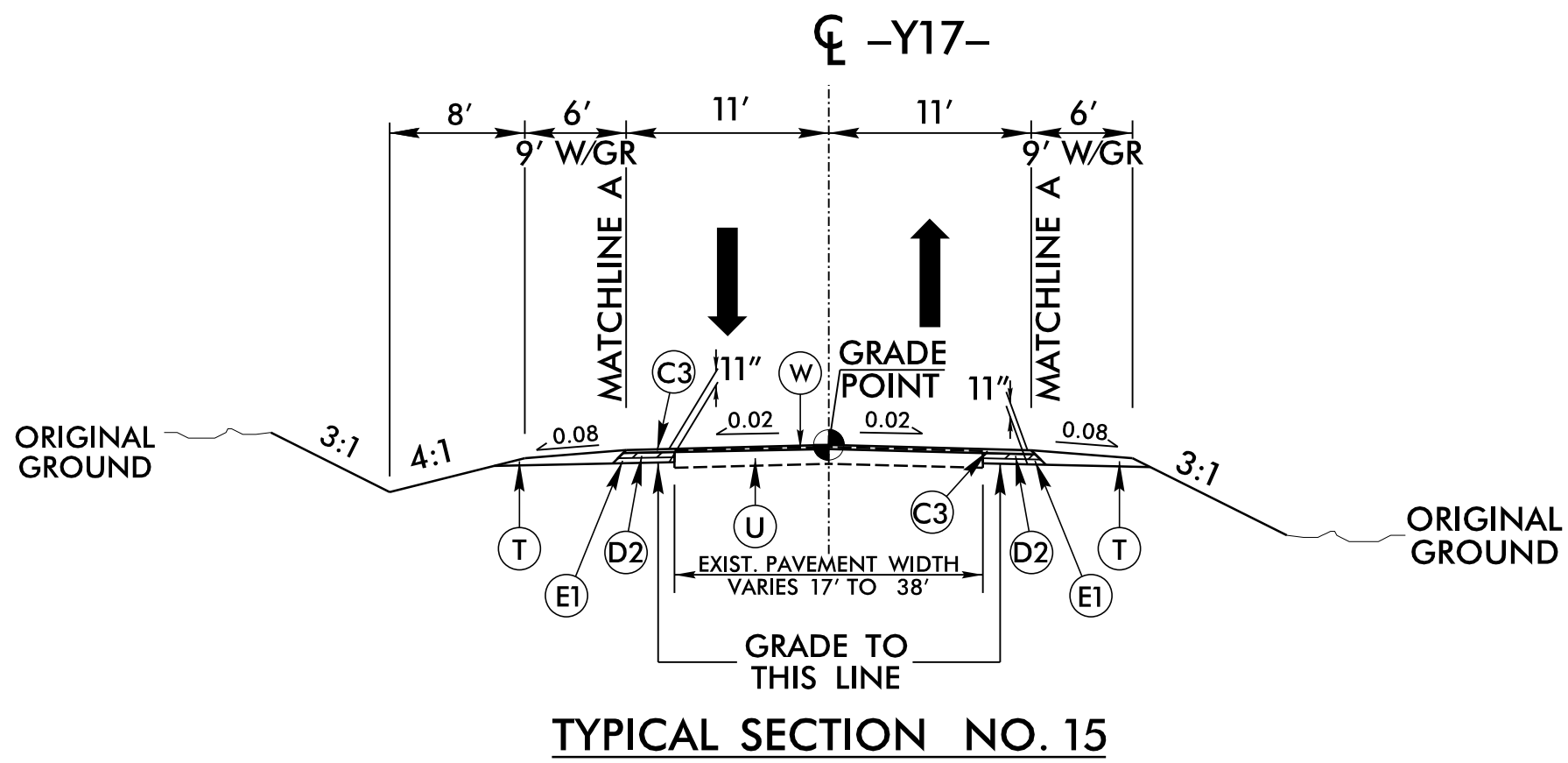
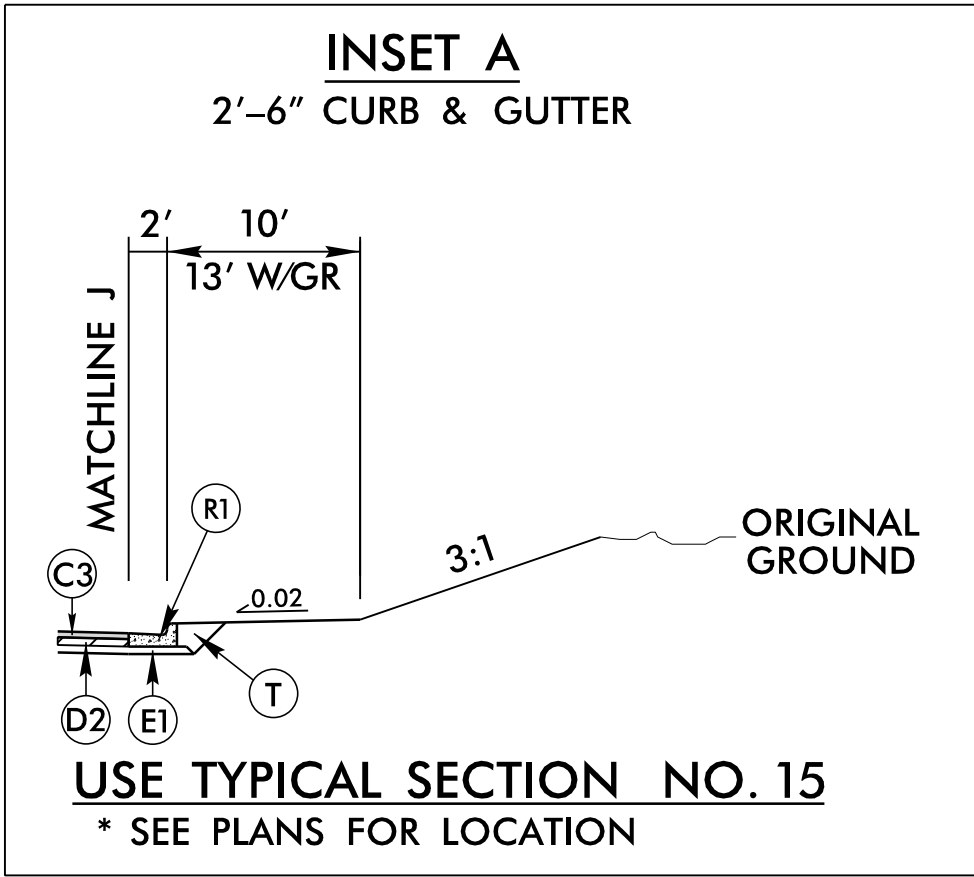
PAVEMENT EDGES ARE 1:1 UNLESS SHOWN OTHERWISE.
SEE PLANS FOR LOCATION OF AUXILIARY LANES, CONCRETE ISLANDS, AND TAPERS.

PROJECT REFERENCE NO.	SHEET NO.
R-5709C	2A-7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	PAVEMENT ENGINEER
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

8/17/99

8/28/2024
R:\Roadway\Proj\N5709C_Fdy-1.txd
C:\cadd

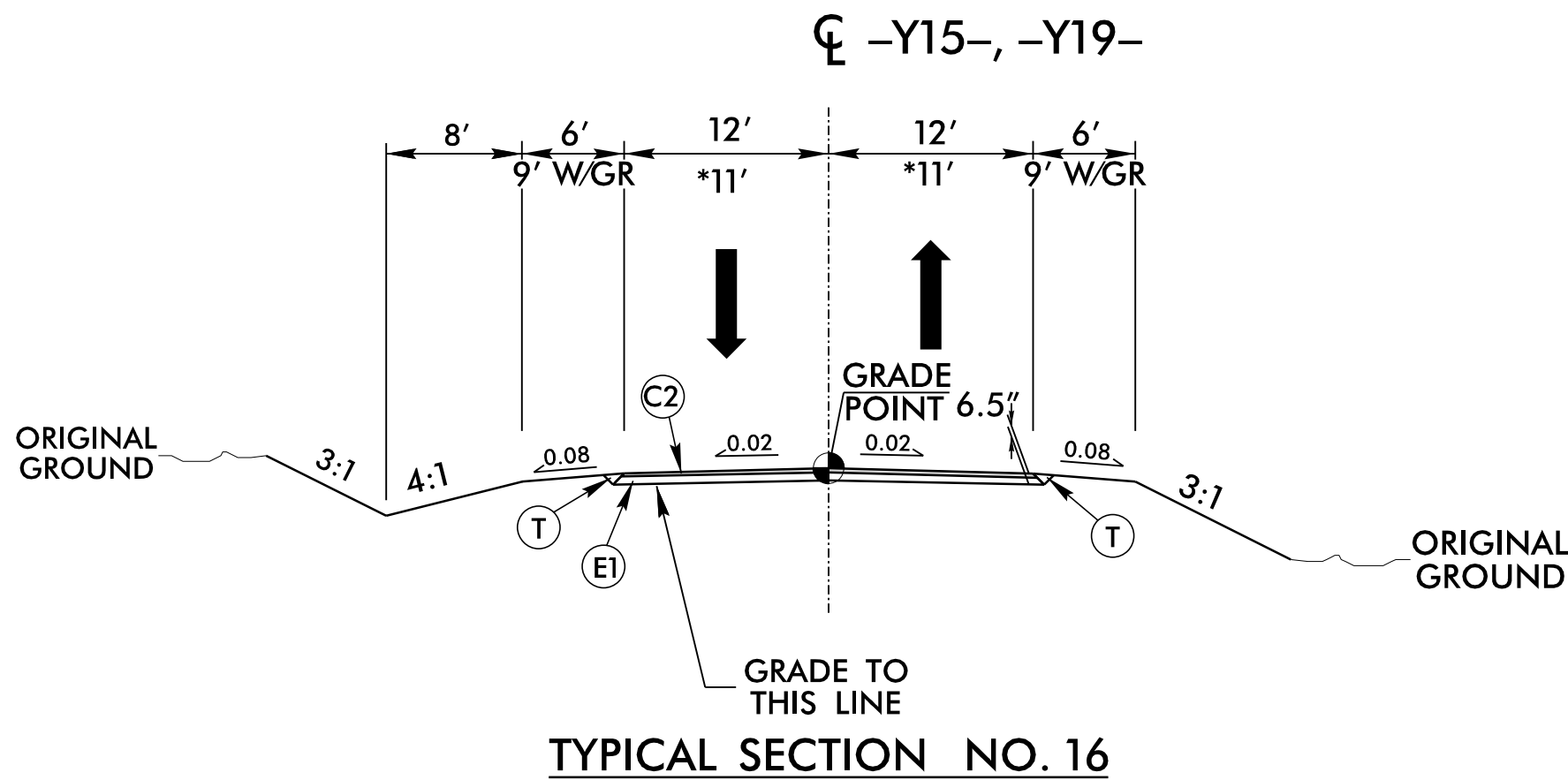
PAVEMENT SCHEDULE	
C2	2.5" S9.5B
C3	3" S9.5B
D2	4" I19.0C
E1	4" B25.0C
E3	5.5" B25.0C
R1	2'-6" C&G
T	EARTH MATERIAL
U	EXIST. PAVEMENT
W	WEDGING



USE TYPICAL SECTION NO. 15

-Y17- STA. 11+75.00 TO STA. 13+00.00

NOTE: LANE WIDTH INCREASES TO 15' FROM
PROPOSED WIDTH AT INTERSECTION WITH NC 211

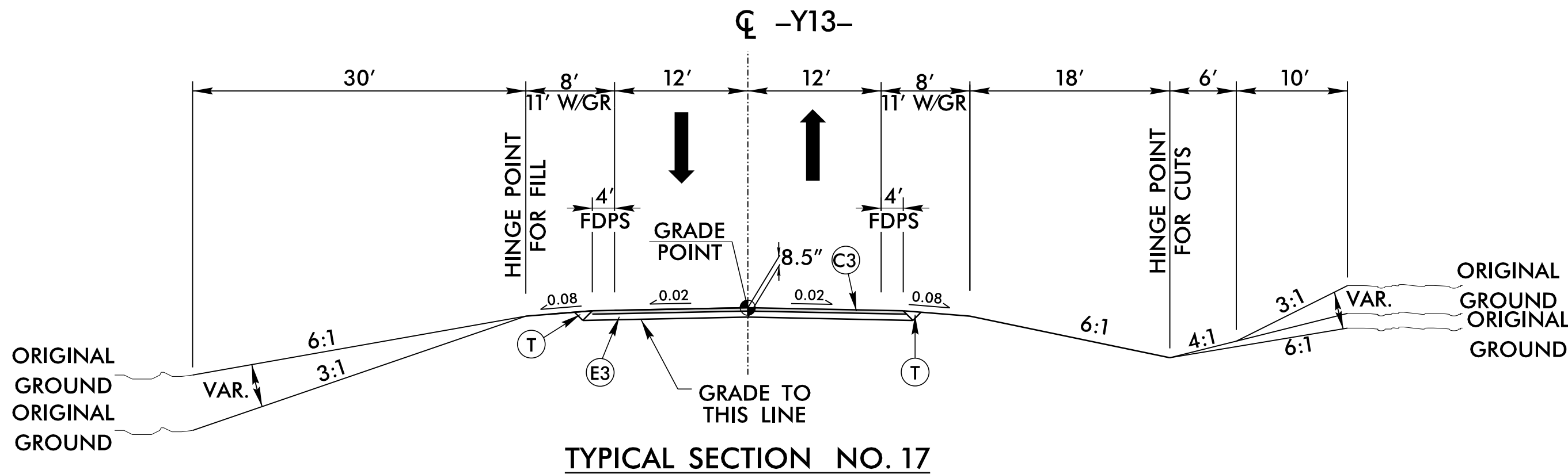


USE TYPICAL SECTION NO. 16

*-Y15- STA. 13+25.00 TO STA. 15+09.60

-Y19- STA. 12+25.00 TO STA. 14+89.35

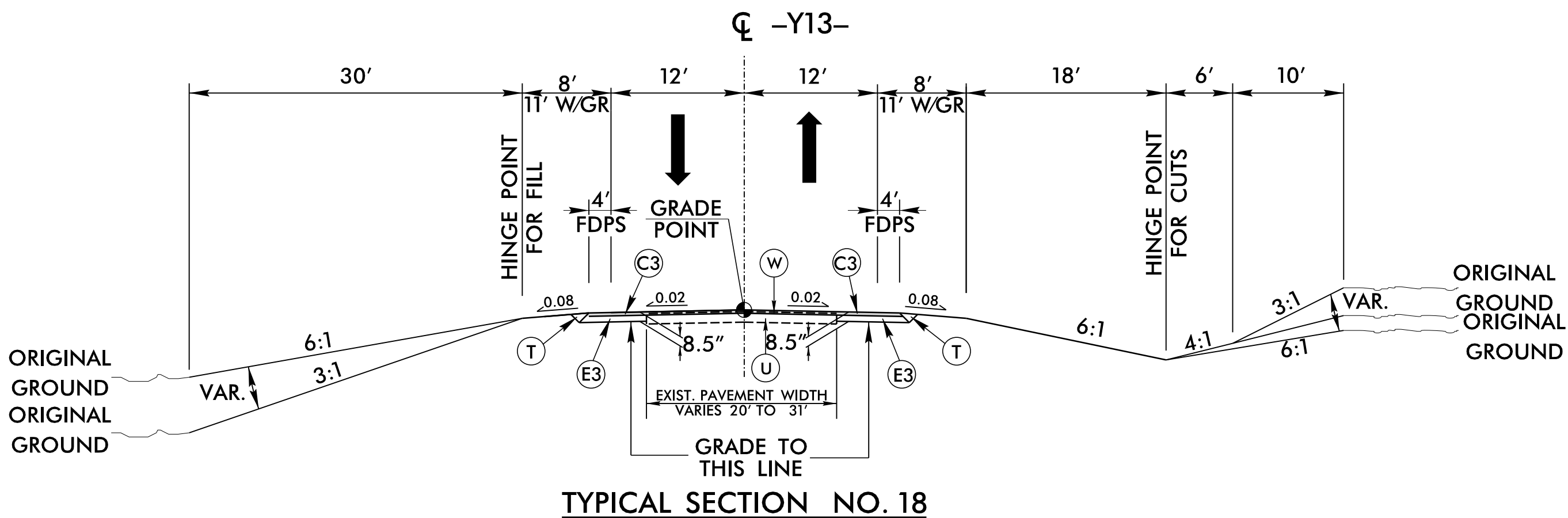
NOTE: LANE WIDTH INCREASES TO 15' FROM
PROPOSED WIDTH AT INTERSECTION WITH NC 211



USE TYPICAL SECTION NO. 17

-Y13- STA. 10+48.66 TO STA. 14+48.20

NOTE: LANE WIDTH INCREASES TO 15' FROM
PROPOSED WIDTH AT INTERSECTION WITH NC 211



USE TYPICAL SECTION NO. 18

-Y13- STA. 14+48.20 TO STA. 18+90.00

NOTE: LANE WIDTH INCREASES TO 15' FROM
PROPOSED WIDTH AT INTERSECTION WITH NC 211

NOTES

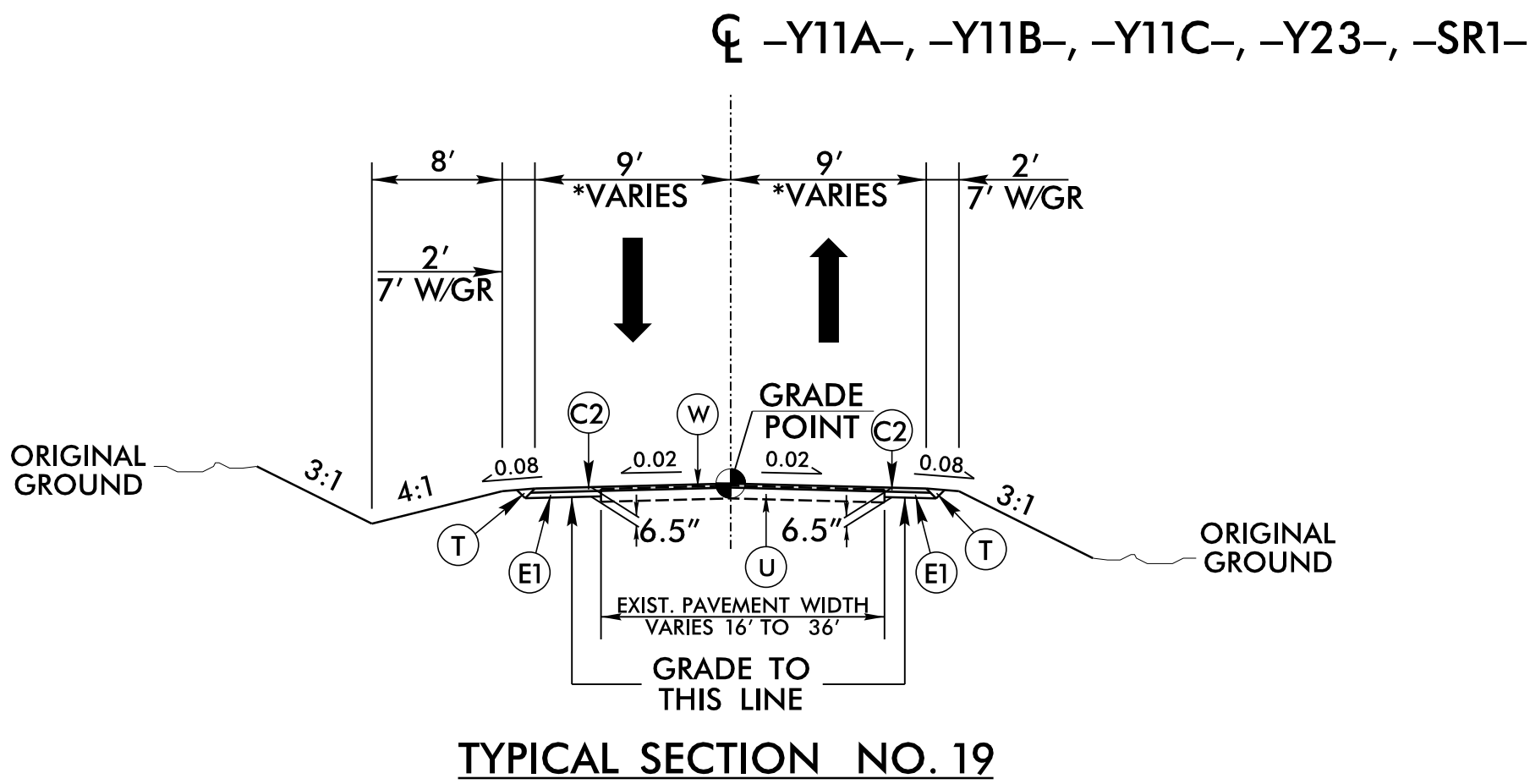
PAVEMENT EDGES ARE 1:1 UNLESS SHOWN OTHERWISE.
SEE PLANS FOR LOCATION OF AUXILIARY LANES, CONCRETE ISLANDS, AND TAPERS.

PROJECT REFERENCE NO.	SHEET NO.
R-5709C	2A-8
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	PAVEMENT ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

8/17/99

8/28/2024
R:\Roadway\Proj\N5709C_Rdy-typr.dgn
cc:rocker

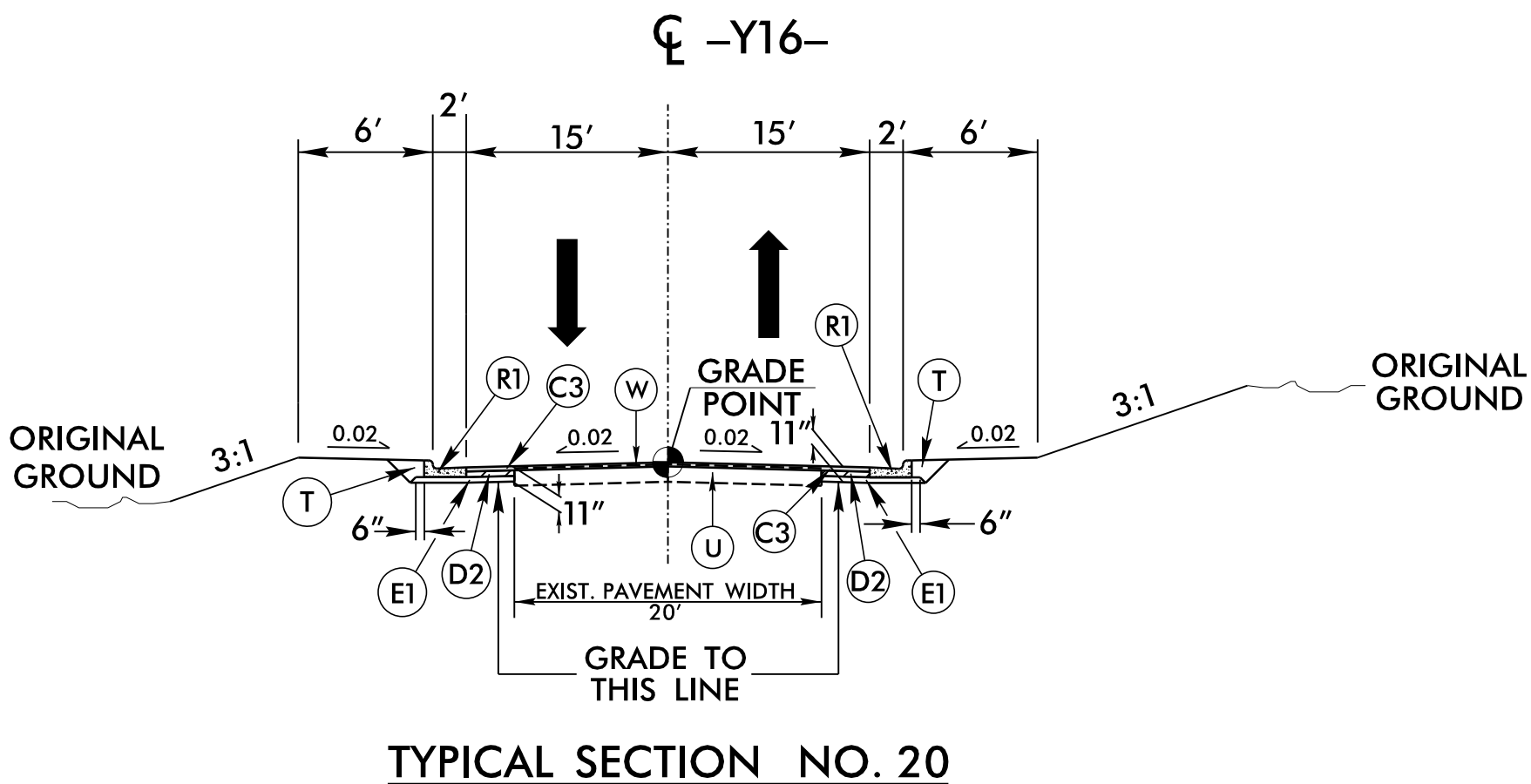
PAVEMENT SCHEDULE	
C2	2.5" S9.5B
C3	3" S9.5B
C6	3" S9.5C
D2	4" I19.0C
E1	4" B25.0C
J1	8" ABC
R1	2'-6" C&G
R9	SHOULDER BERM GUTTER
T	EARTH MATERIAL
U	EXIST. PAVEMENT
W	WEDGING



USE TYPICAL SECTION NO. 19

-Y11A- STA. 10+75.00 TO STA. 12+18.70
-Y11B- STA. 10+47.00 TO STA. 13+00.00
-Y11C- STA. 10+40.00 TO STA. 11+85.66
-Y23- STA. 10+59.48 TO STA. 12+00.00
*-SR1- STA. 15+00.00 TO STA. 17+65.85

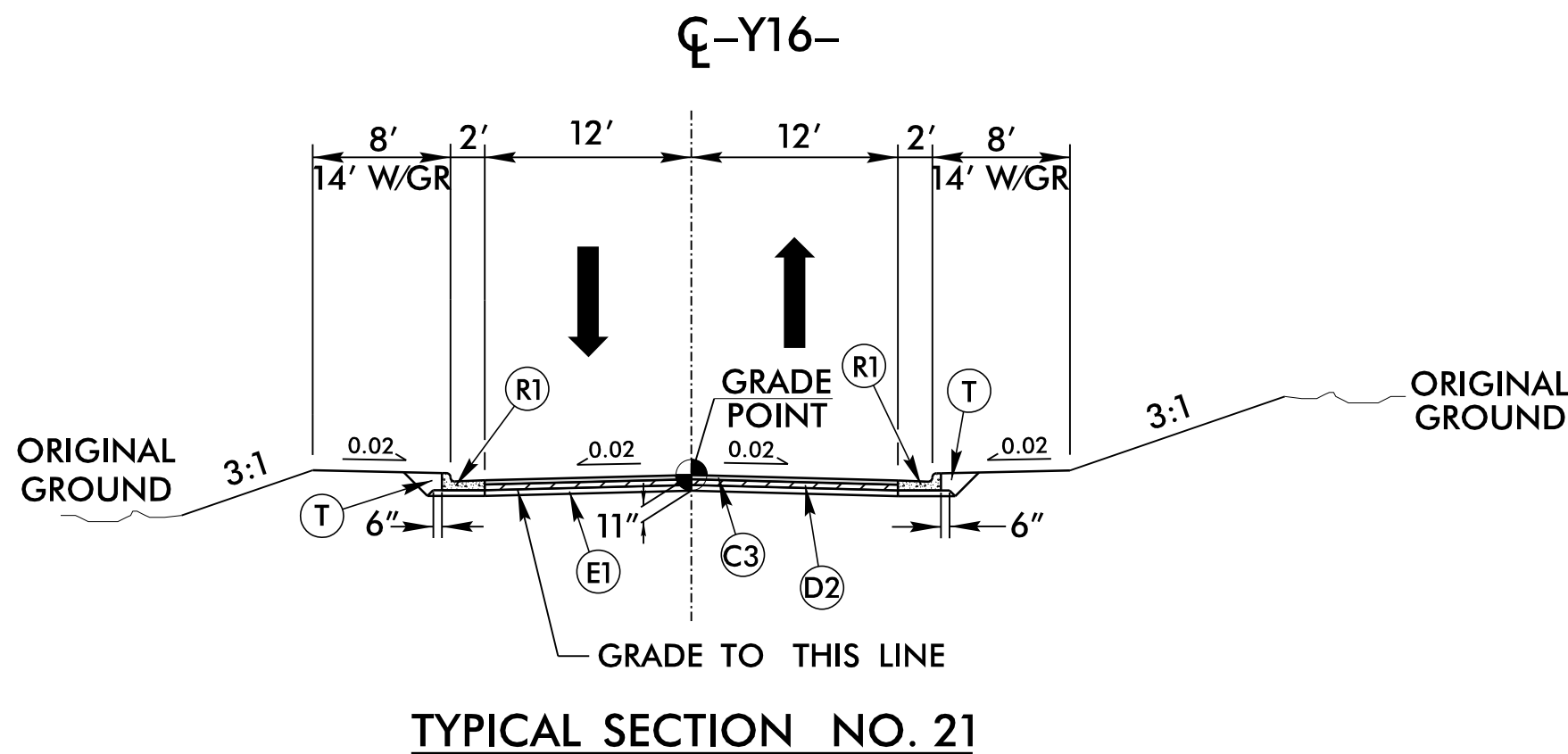
NOTE: LANE WIDTH INCREASES TO 15' FROM PROPOSED WIDTH AT INTERSECTION WITH NC 211



USE TYPICAL SECTION NO. 20

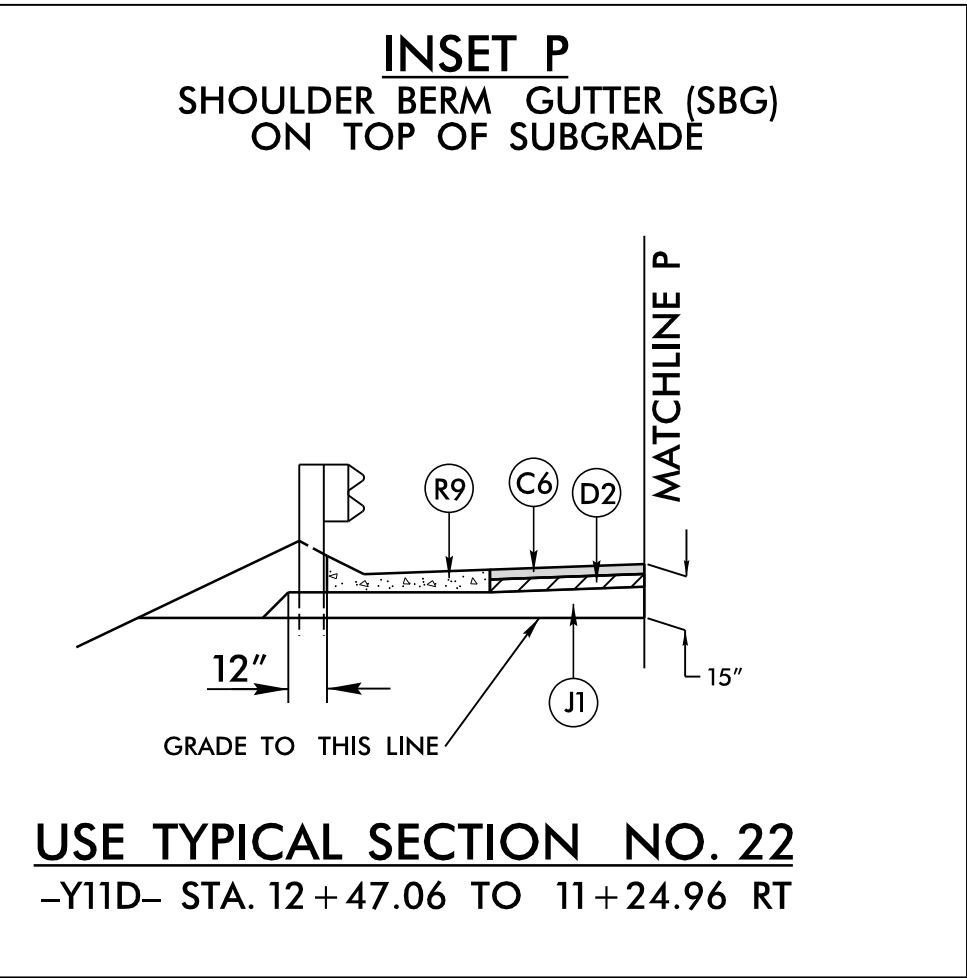
-Y16- STA. 14+25.00 TO STA. 15+75.00

NOTE: LANE WIDTH INCREASES TO 15' FROM PROPOSED WIDTH AT INTERSECTION WITH NC 211

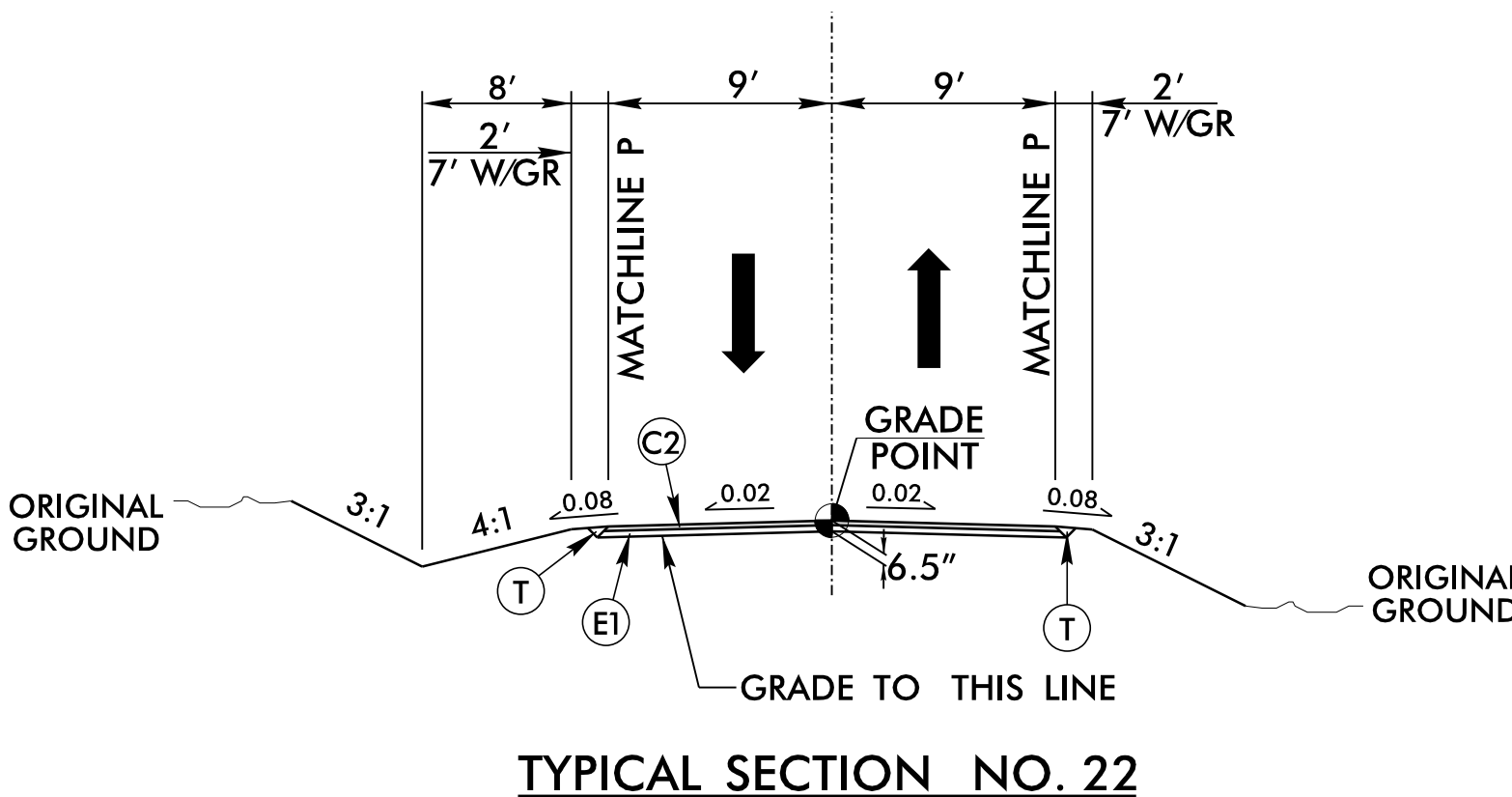


USE TYPICAL SECTION NO. 21

-Y16- STA. 15+75.00 TO STA. 18+71.79
NOTE: LANE WIDTH INCREASES TO 15' FROM PROPOSED WIDTH AT INTERSECTION WITH NC 211



CL -Y11A-, -Y11D-



USE TYPICAL SECTION NO. 22

-Y11A- STA. 10+50.00 TO STA. 10+75.00
-Y11D- STA. 10+25.00 TO STA. 15+25.90

NOTE: LANE WIDTH INCREASES TO 15' FROM PROPOSED WIDTH AT INTERSECTION WITH NC 211

NOTES

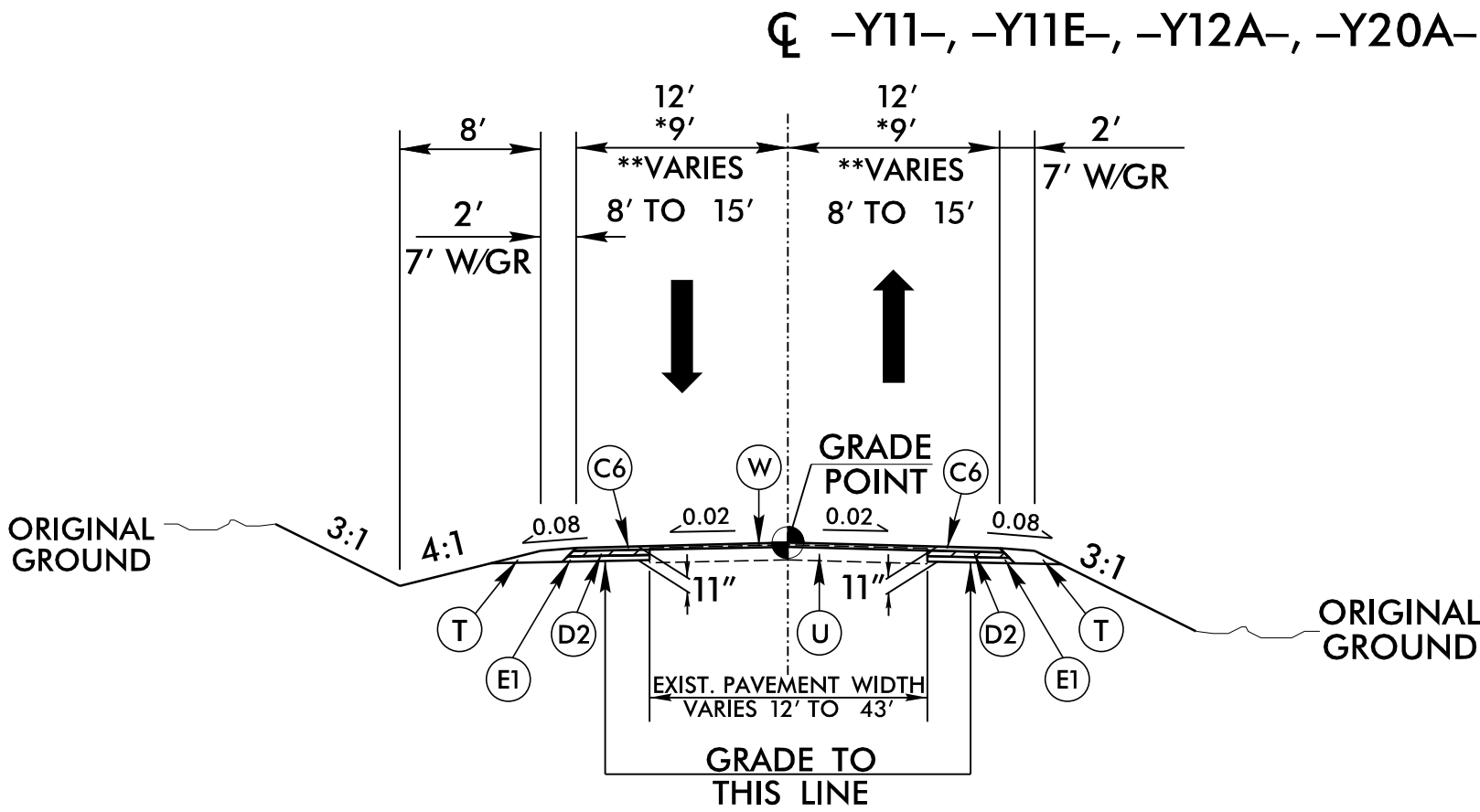
PAVEMENT EDGES ARE 1:1 UNLESS SHOWN OTHERWISE.
SEE PLANS FOR LOCATION OF AUXILIARY LANES, CONCRETE ISLANDS, AND TAPERS.

PROJECT REFERENCE NO.	SHEET NO.
R-5709C	2A-9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	PAVEMENT ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

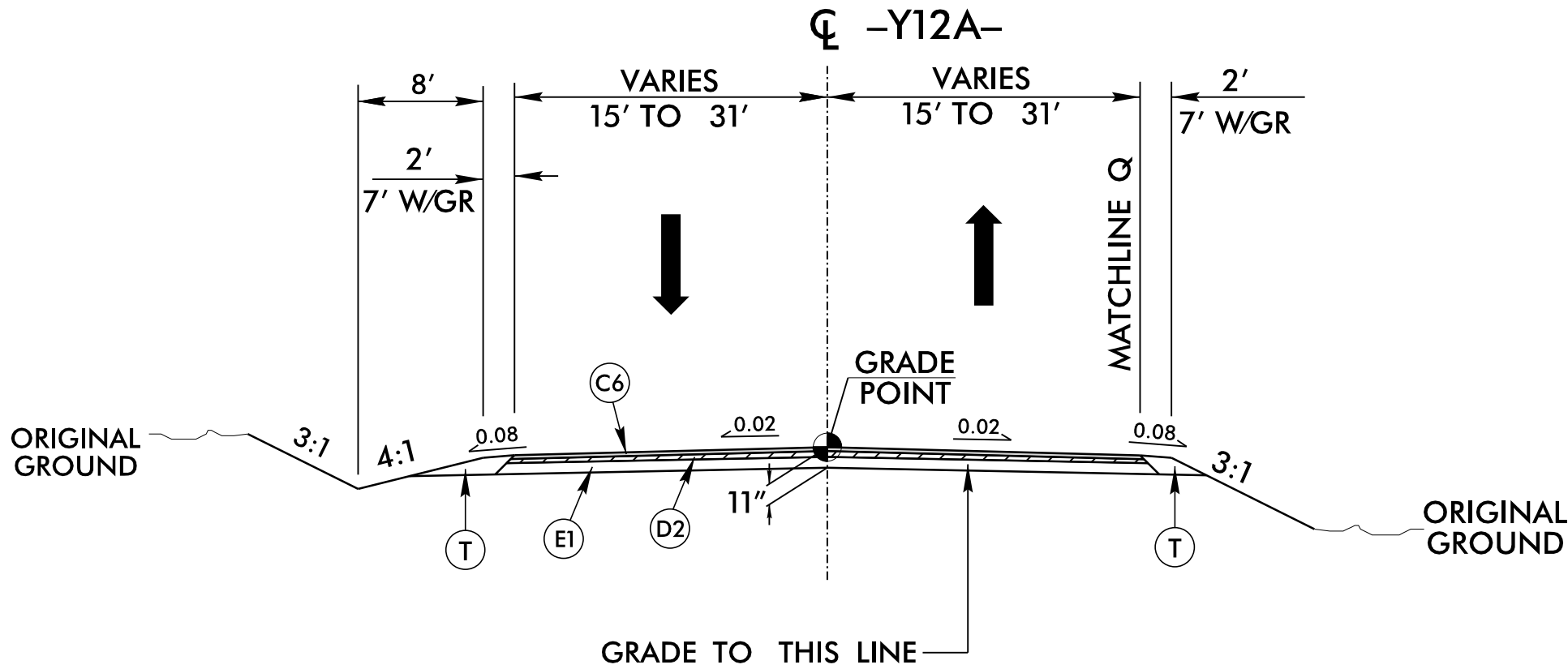
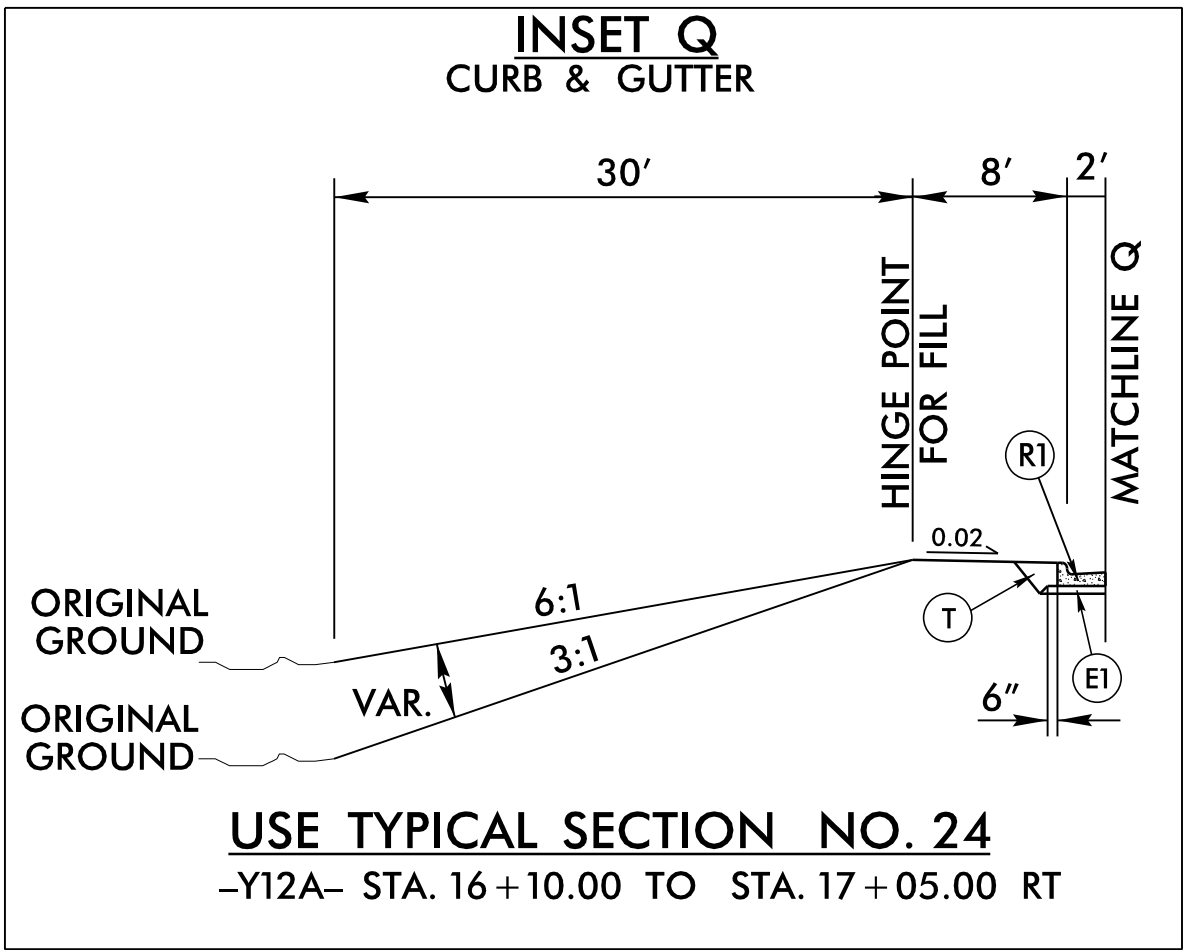
8/17/99

8/28/2024
R:\Roadway\Proj\N5709C_Fdy-tyr.dgn
c:\coker

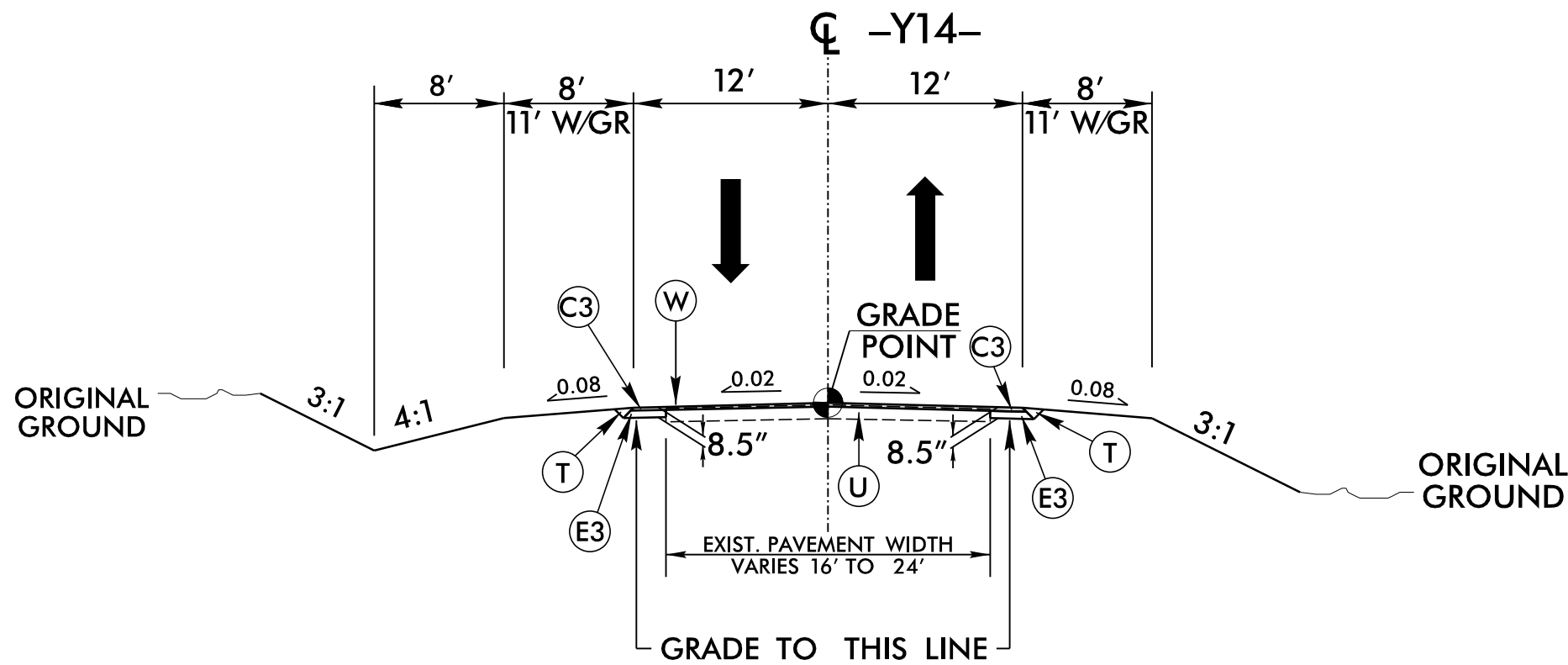
PAVEMENT SCHEDULE	
C3	3" S9.5B
C6	3" S9.5C
D2	4" I19.0C
E1	4" B25.0C
E3	5,5" B25.0C
R1	2'-6" C&G
T	EARTH MATERIAL
U	EXIST. PAVEMENT
W	WEDGING



TYPICAL SECTION NO. 23



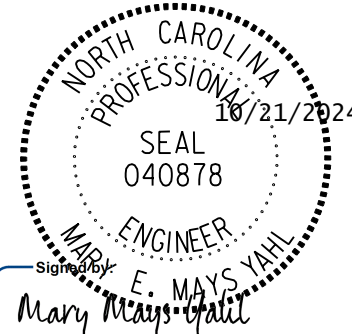
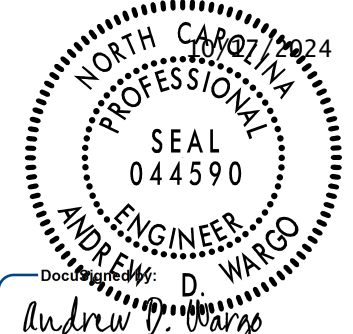
TYPICAL SECTION NO. 24



TYPICAL SECTION NO. 25

NOTES

PAVEMENT EDGES ARE 1:1 UNLESS SHOWN OTHERWISE.
SEE PLANS FOR LOCATION OF AUXILIARY LANES, CONCRETE ISLANDS, AND TAPERS.

PROJECT REFERENCE NO.		SHEET NO.
R-5709C		2A-10
RW SHEET NO.		
ROADWAY DESIGN ENGINEER	PAVEMENT ENGINEER	
		
Signature: <u>Mary M. Mays</u> Stamp: <u>SEAL</u>	Signature: <u>Andrew V. Wargo</u> Stamp: <u>SEAL</u>	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

USE TYPICAL SECTION NO. 23

-Y11- STA. 10+48.18 TO STA. 12+20.00
*-Y11E- STA. 10+47.44 TO STA. 12+75.00
**-Y12A- STA. 11+50.00 TO STA. 12+25.00
-Y20A- STA. 10+47.00 TO STA. 11+25.00

NOTE: LANE WIDTH INCREASES TO 15' FROM
PROPOSED WIDTH AT INTERSECTION WITH NC 211

USE TYPICAL SECTION NO. 24

-Y12A- STA. 10+46.49 TO STA. 11+50.00
-Y12A- STA. 16+15.00 TO STA. 17+70.89

NOTE: LANE WIDTH INCREASES TO 15' FROM
PROPOSED WIDTH AT INTERSECTION WITH NC 211

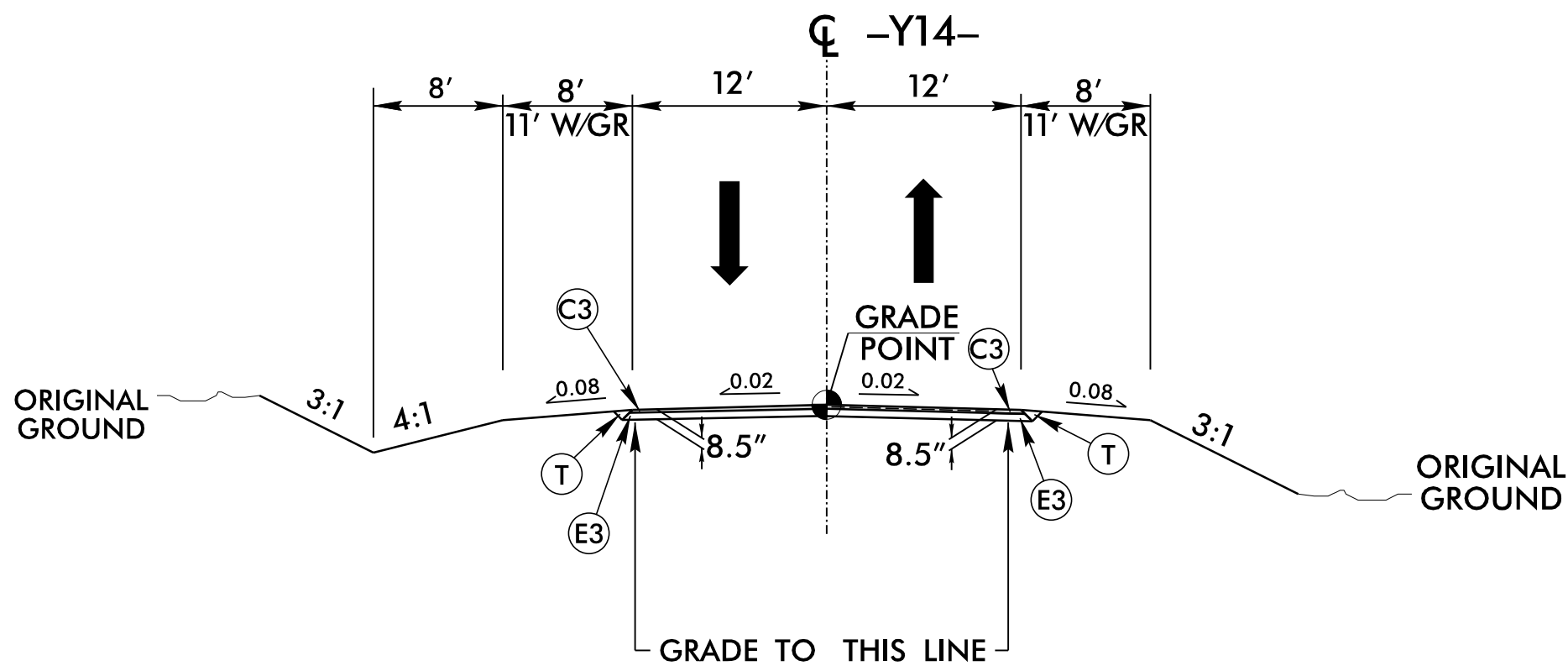
USE TYPICAL SECTION NO. 25

-Y14- STA. 11+20.00 TO STA. 12+25.00

NOTE: LANE WIDTH INCREASES TO 15' FROM
PROPOSED WIDTH AT INTERSECTION WITH NC 211

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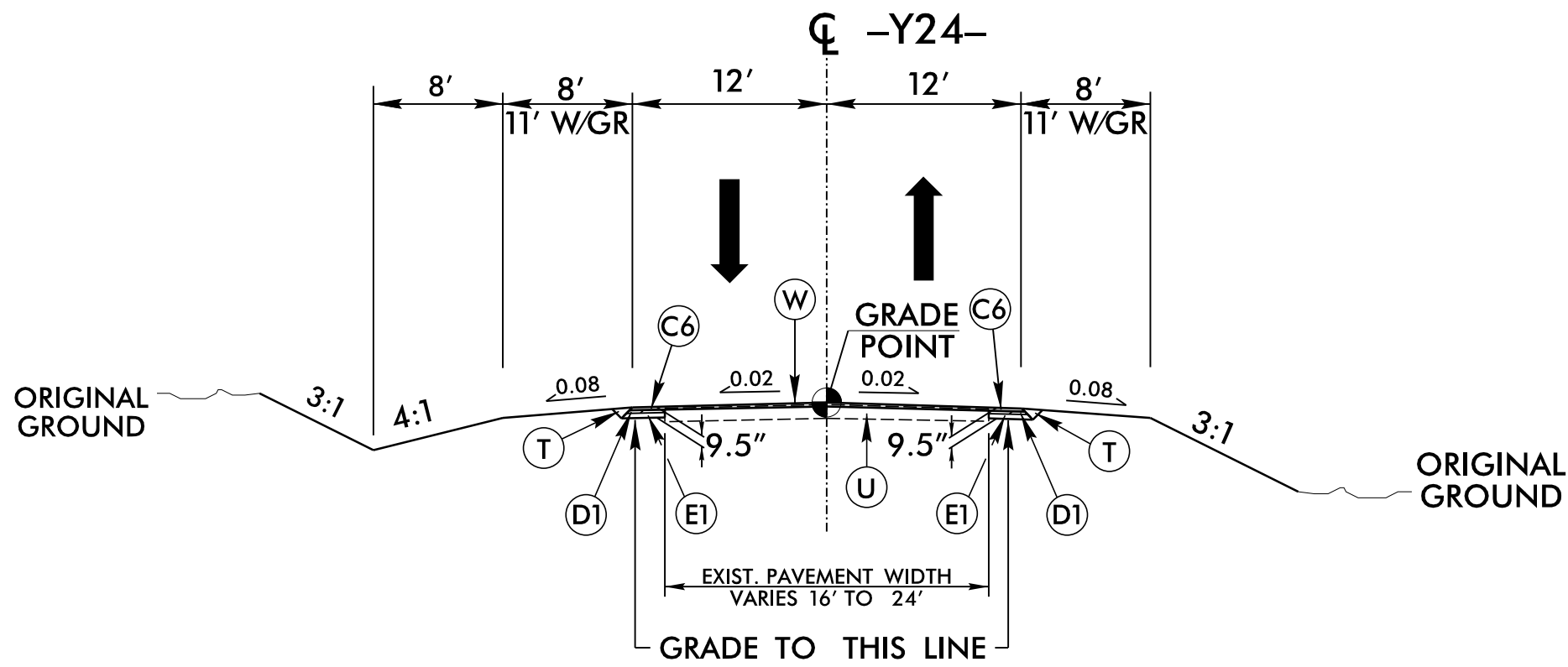
PAVEMENT SCHEDULE	
C2	2.5" S9.5B
C3	3" S9.5B
C6	3" S9.5C
D1	2.5" I19.0C
E1	4" B25.0C
E3	5.5" B25.0C
T	EARTH MATERIAL
U	EXIST. PAVEMENT
W	WEDGING



TYPICAL SECTION NO. 26

USE TYPICAL SECTION NO. 26

-Y14- STA. 12 + 25.00 TO STA. 15 + 63.31

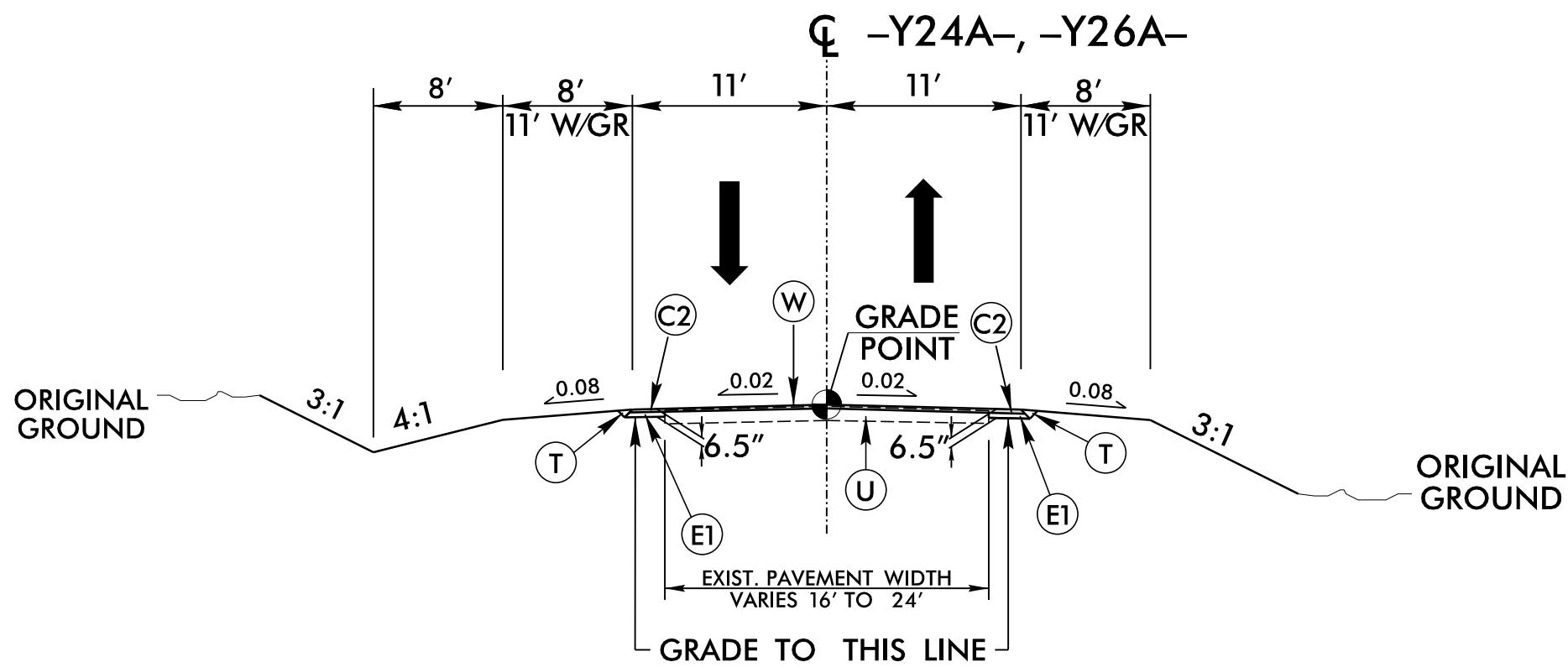


TYPICAL SECTION NO. 27

USE TYPICAL SECTION NO. 27

-Y24- STA. 12 + 20.00 TO STA. 13 + 75.00

NOTE: LANE WIDTH INCREASES TO 15' FROM
PROPOSED WIDTH AT INTERSECTION WITH NC 211



TYPICAL SECTION NO. 28

USE TYPICAL SECTION NO. 28

-Y24A- STA. 10 + 47.00 TO STA. 12 + 75.00

-Y26A- STA. 12 + 50.00 TO STA. 15 + 25.22

NOTE: LANE WIDTH INCREASES TO 15' FROM
PROPOSED WIDTH AT INTERSECTION WITH NC 211

NOTES

PAVEMENT EDGES ARE 1:1 UNLESS SHOWN OTHERWISE.
SEE PLANS FOR LOCATION OF AUXILIARY LANES, CONCRETE ISLANDS, AND TAPERS.

PROJECT REFERENCE NO.		SHEET NO.	
R-5709C		2A-11	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		PAVEMENT ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

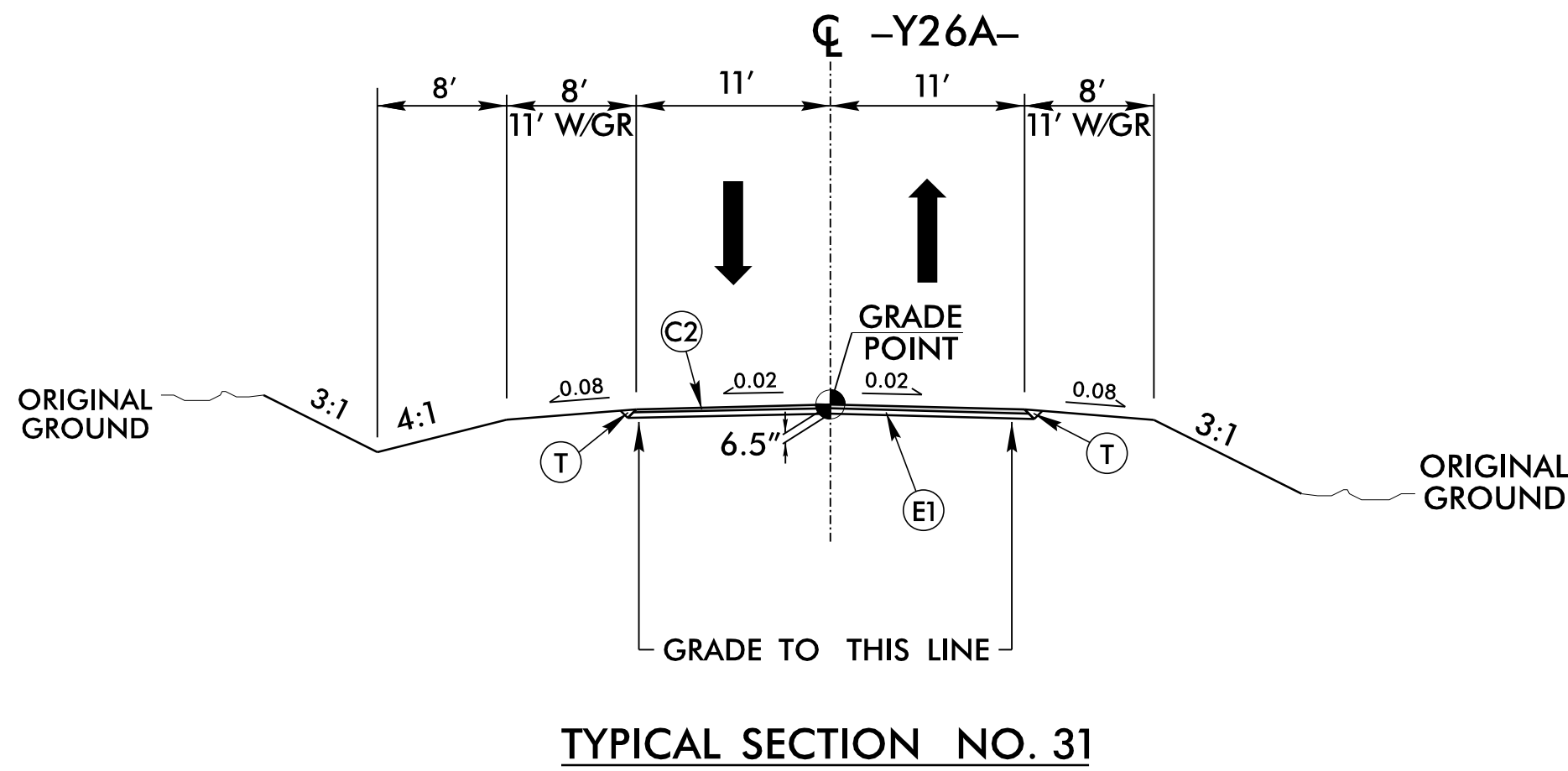
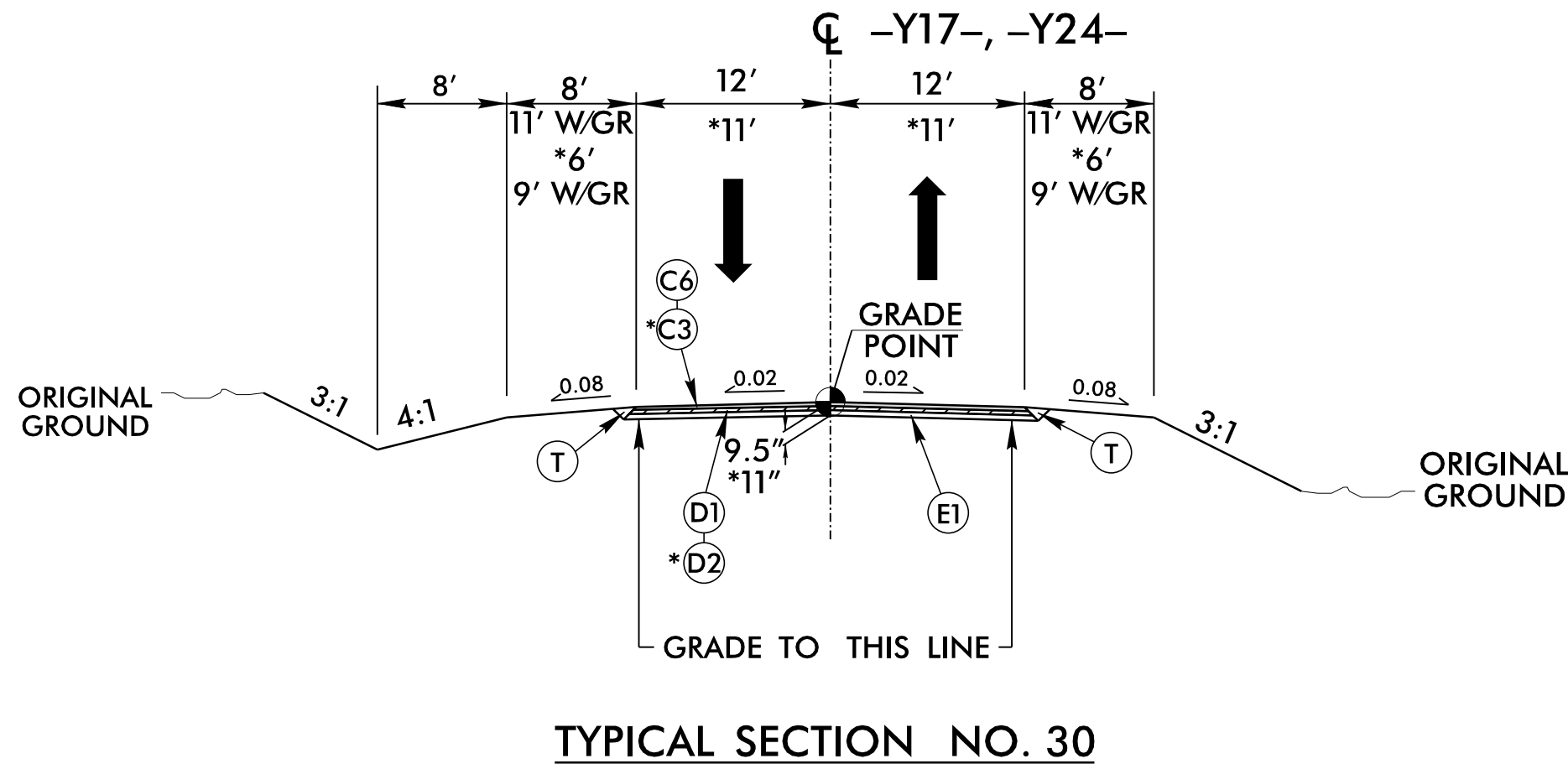
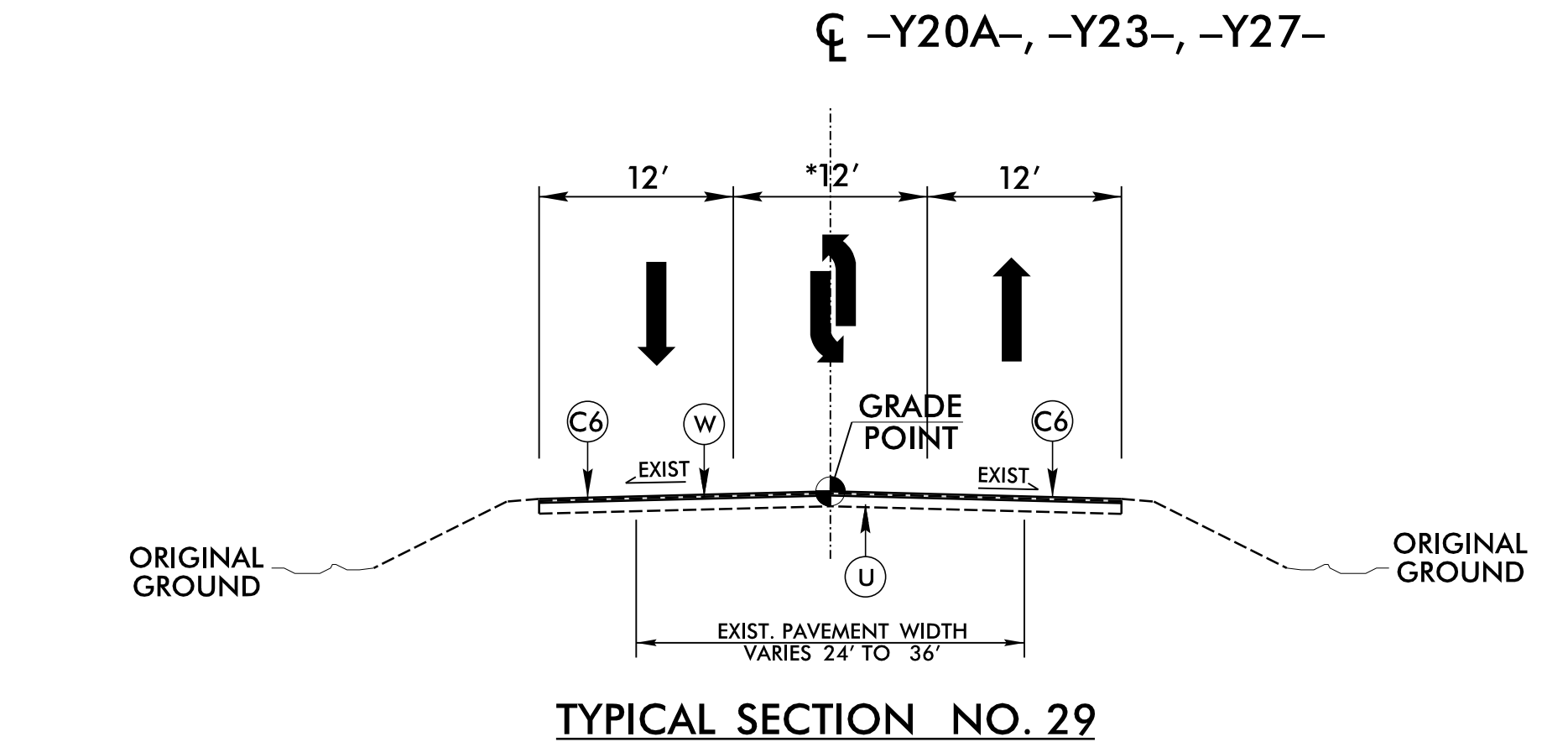
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8/28/2024
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C:\cadd

PAVEMENT SCHEDULE	
C2	2.5" S9.5B
C3	3" S9.5B
C6	3" S9.5C
D1	2.5" I19.0C
D2	4" I19.0C
E1	4" B25.0C
T	EARTH MATERIAL
U	EXIST. PAVEMENT
W	WEDGING



NOTES

PAVEMENT EDGES ARE 1:1 UNLESS SHOWN OTHERWISE.
SEE PLANS FOR LOCATION OF AUXILIARY LANES, CONCRETE ISLANDS, AND TAPERS.

USE TYPICAL SECTION NO. 29
-Y20A- STA. 11+34.57 TO STA. 11+59.57
-Y23- STA. 12+37.00 TO STA. 12+87.00
*-Y27- STA. 9+50.00 TO STA. 10+50.00

NOTE: LANE WIDTH INCREASES TO 15' FROM
PROPOSED WIDTH AT INTERSECTION WITH NC 211

USE TYPICAL SECTION NO. 30
*-Y17- STA. 10+59.03 TO STA. 11+75.00
-Y24- STA. 13+75.00 TO STA. 15+24.06

NOTE: LANE WIDTH INCREASES TO 15' FROM
PROPOSED WIDTH AT INTERSECTION WITH NC 211

USE TYPICAL SECTION NO. 31
-Y26A- STA. 10+29.60 TO STA. 12+50.00

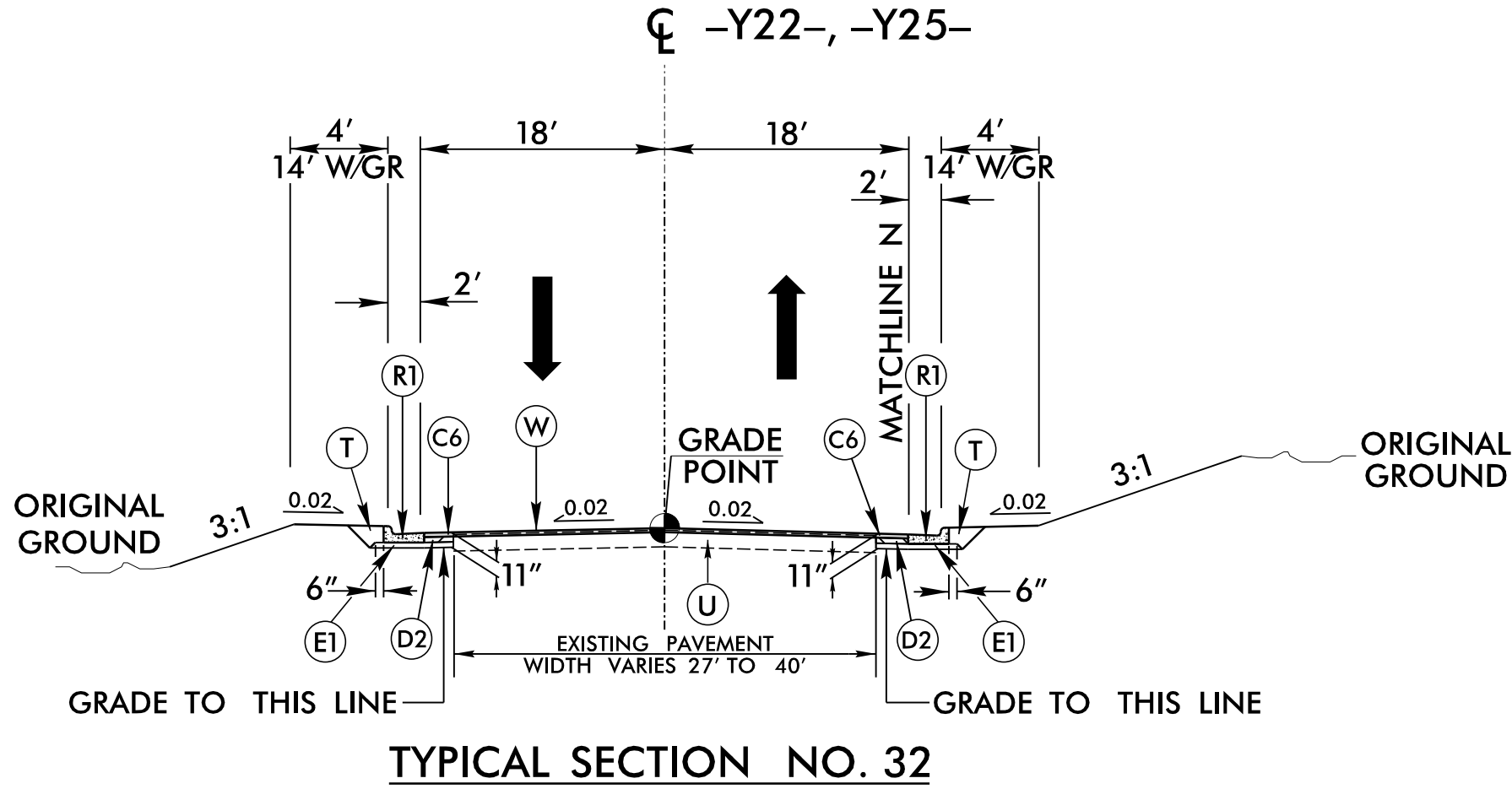
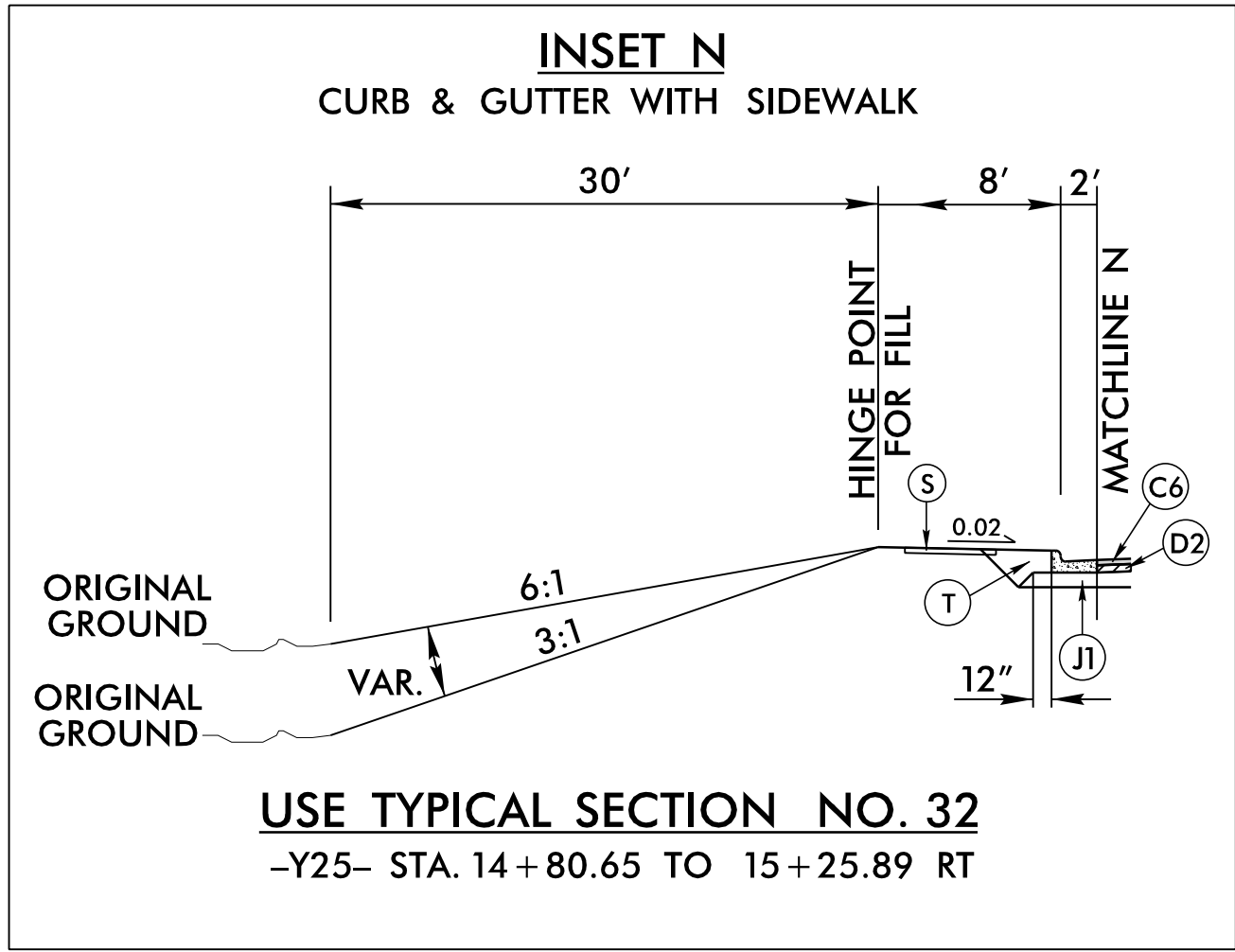
NOTE: LANE WIDTH INCREASES TO 15' FROM
PROPOSED WIDTH AT INTERSECTION WITH NC 211

PROJECT REFERENCE NO.		SHEET NO.	
R-5709C		2A-12	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		PAVEMENT ENGINEER	
			
Signed: <u>Mary E. Mays</u>		Signed: <u>Andrew D. Wargo</u>	
BULE-12837-11-2-00			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

8/17/99

8/28/2024
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c:\coker

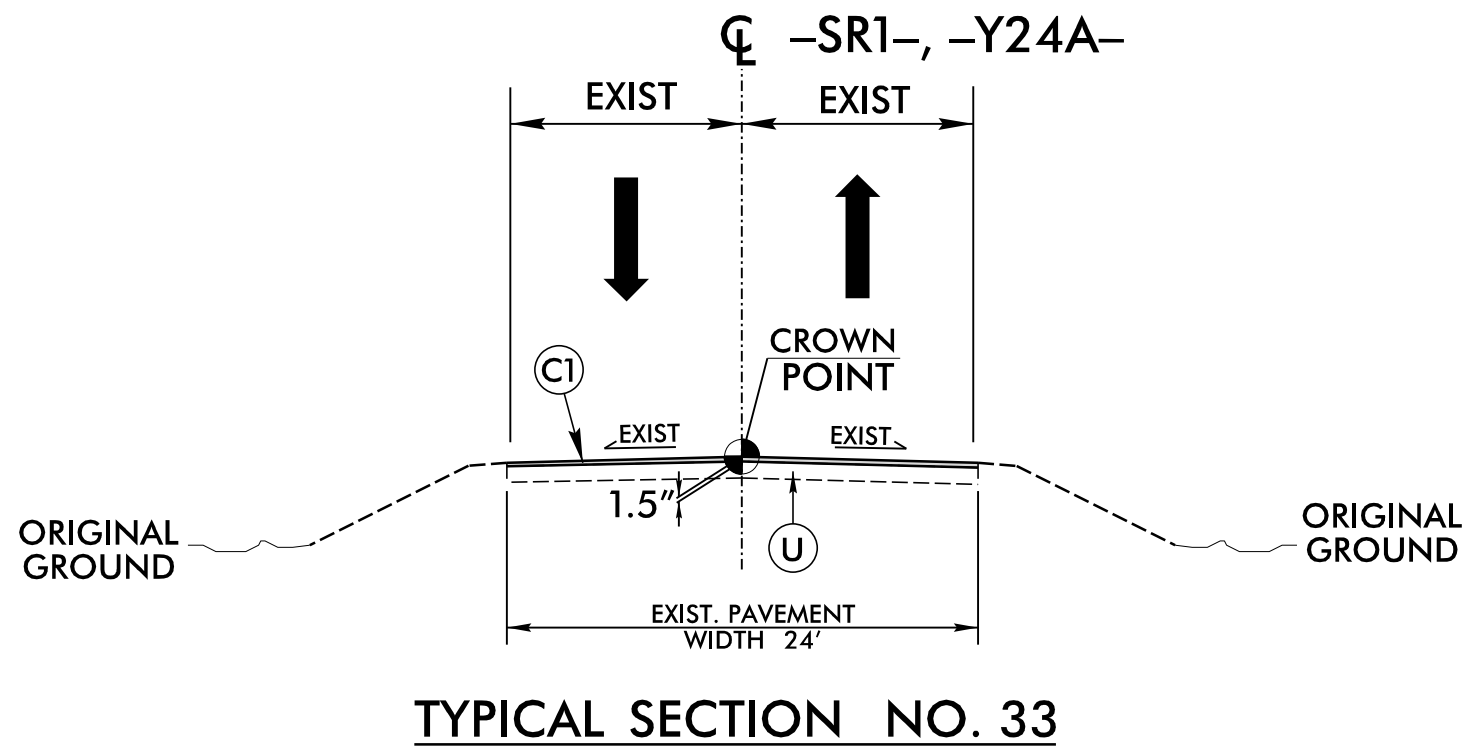
PAVEMENT SCHEDULE	
C1	1.5" S9.5B
C6	3" S9.5C
D1	2.5" I19.0C
D2	4" I19.0C
E1	4" B25.0C
J1	8" ABC
R1	2'-6" C&G
S	4" CONC. SIDEWALK
T	EARTH MATERIAL
U	EXIST. PAVEMENT
W	WEDGING



USE TYPICAL SECTION NO. 32

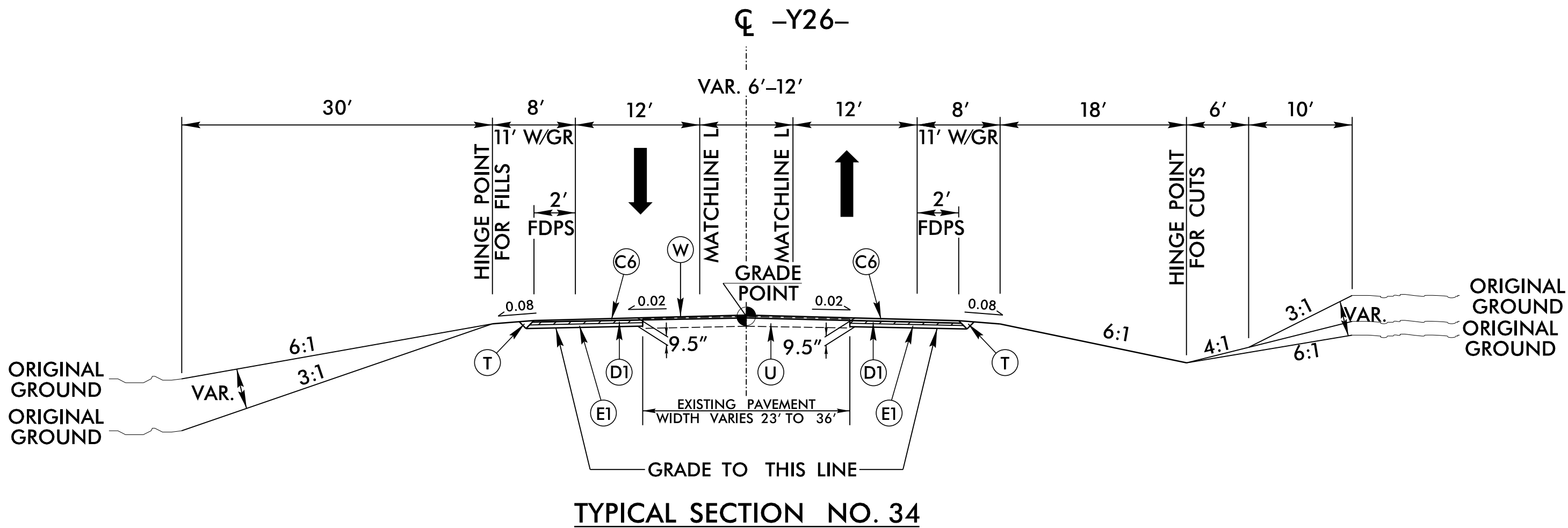
-Y22- STA. 10+15.00 TO STA. 11+98.92
-Y25- STA. 13+65.00 TO STA. 15+51.93

NOTE: LANE WIDTH INCREASES TO 15' FROM
PROPOSED WIDTH AT INTERSECTION WITH NC 211



USE TYPICAL SECTION NO. 33

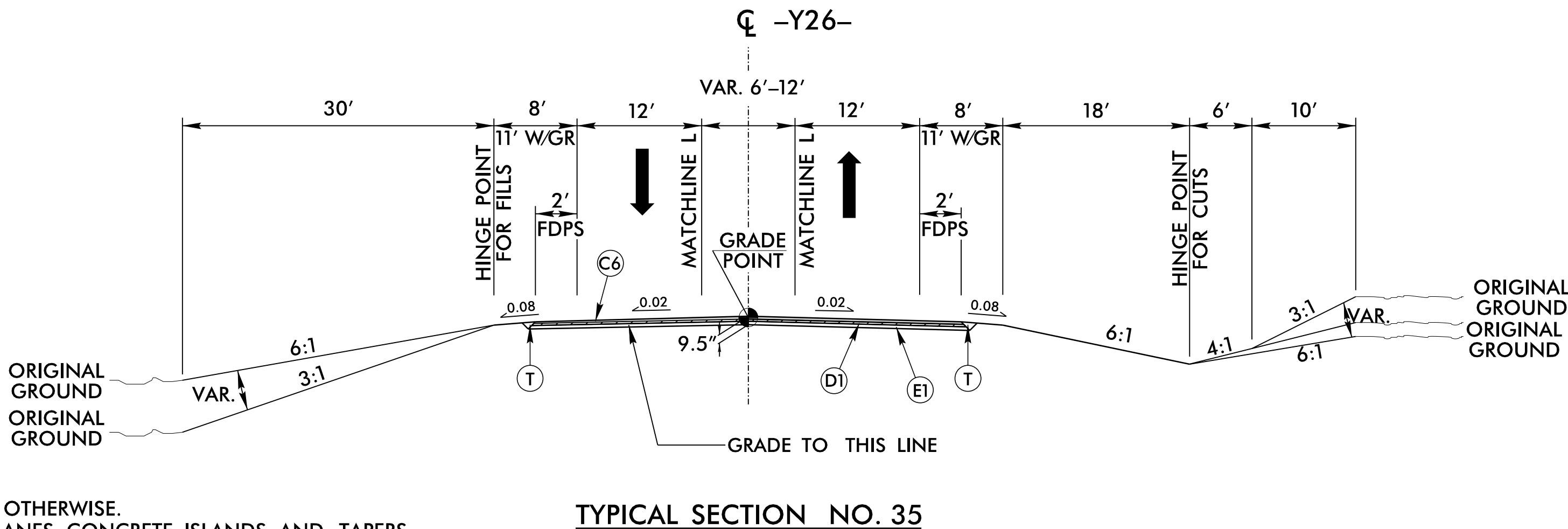
-SR1- STA. 10+75.00 TO STA. 15+00.00
-Y24A- STA. 12+75.00 TO STA. 16+00.00



USE TYPICAL SECTION NO. 34

-Y26- STA. 12+00.00 TO STA. 14+75.00
-Y26- STA. 22+50.00 TO STA. 25+50.00

NOTE: LANE WIDTH INCREASES TO 15' FROM
PROPOSED WIDTH AT INTERSECTION WITH NC 211



USE TYPICAL SECTION NO. 35

-Y26- STA. 14+75.00 TO STA. 22+50.00

NOTE: LANE WIDTH INCREASES TO 15' FROM
PROPOSED WIDTH AT INTERSECTION WITH NC 211

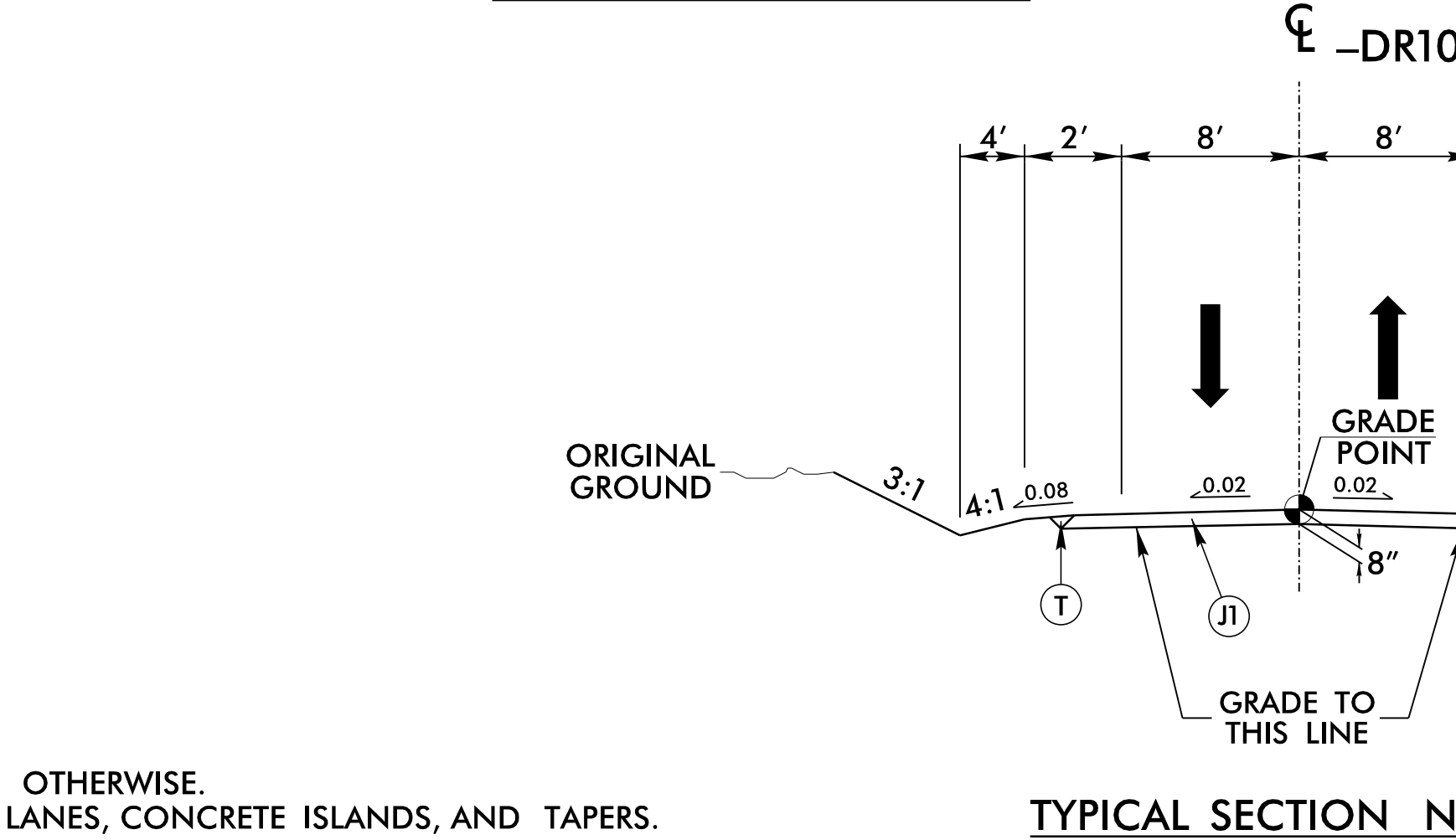
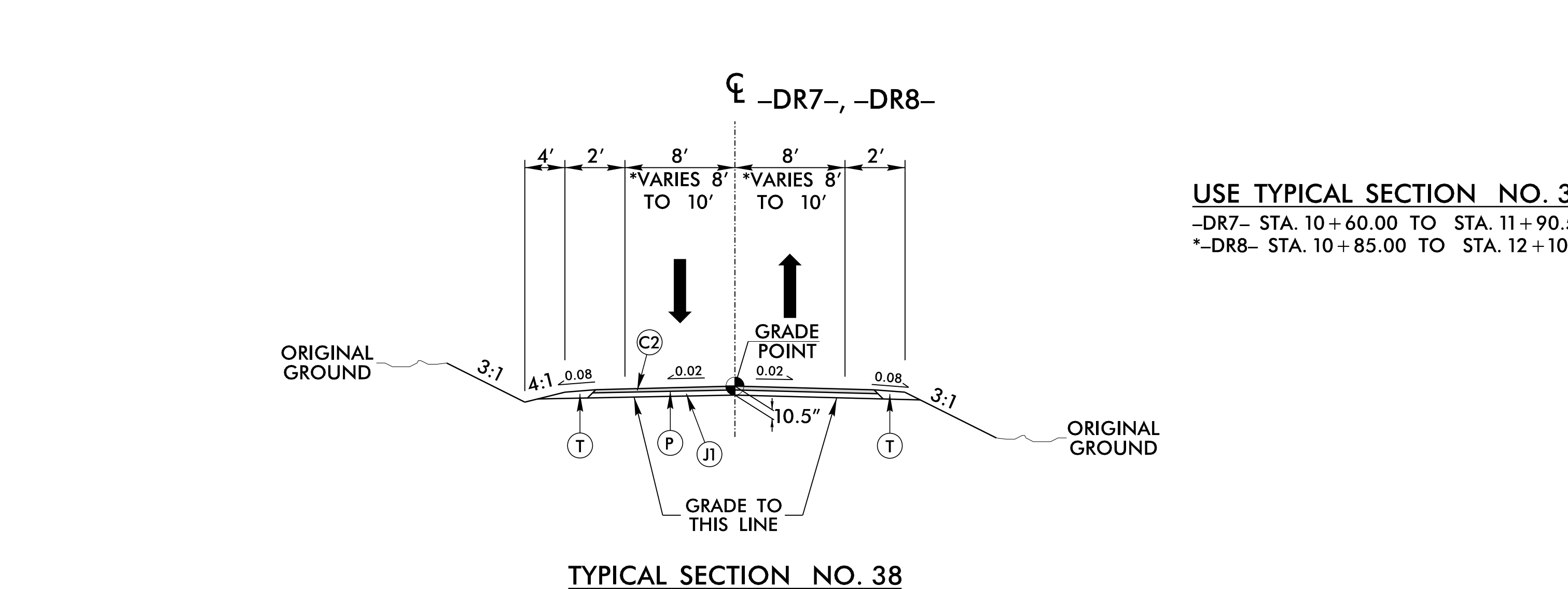
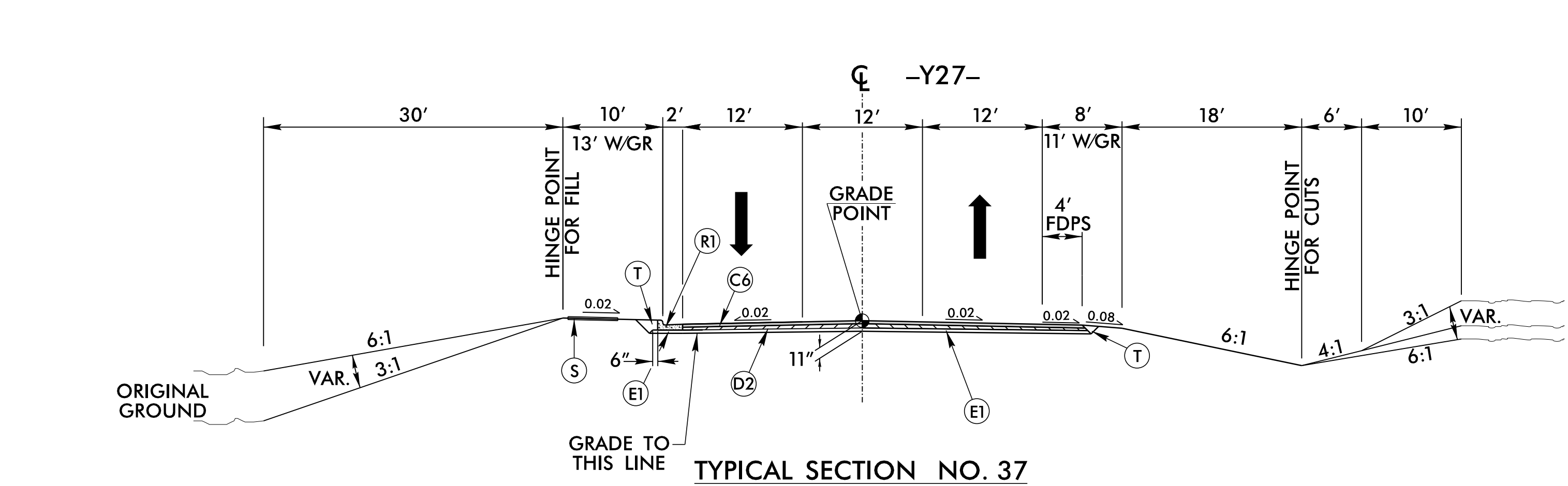
NOTES

PAVEMENT EDGES ARE 1:1 UNLESS SHOWN OTHERWISE.
SEE PLANS FOR LOCATION OF AUXILIARY LANES, CONCRETE ISLANDS, AND TAPERS.

PROJECT REFERENCE NO.	SHEET NO.
R-5709C	2A-13
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	PAVEMENT ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

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NOTE: LANE WIDTH INCREASES TO 15' FROM
PROPOSED WIDTH AT INTERSECTION WITH NC 211

NOTE: LANE WIDTH INCREASES TO 15' FROM
PROPOSED WIDTH AT INTERSECTION WITH NC 211

USE TYPICAL SECTION NO. 39
-DR10- STA. 10+60.00 TO STA. 12+74.50

PAVEMENT EDGES ARE 1:1 UNLESS SHOWN OTHERWISE.
SEE PLANS FOR LOCATION OF AUXILIARY LANES, CONCRETE ISLANDS, AND TAPERS.

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Raleigh, North Carolina 27615-3960
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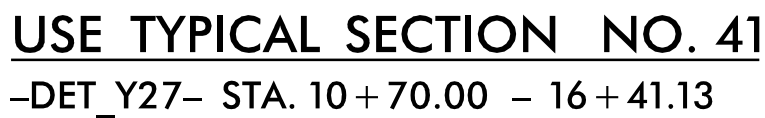
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default

Plan view of the proposed building layout. The layout is defined by a series of setbacks and dimensions from the front property line (indicated by a dashed line labeled 'CL-DET-RAB-'). The setbacks and dimensions are as follows:

- 10' setback from the front property line.
- 6' setback from the front property line.
- 18' setback from the front property line.
- 8' setback from the front property line.
- 11' setback from the front property line.
- 11' setback from the front property line.
- 11' setback from the front property line.
- 8' setback from the front property line.
- 30' setback from the front property line.

The building footprint is shown with a central section and two side sections. The central section is 11' wide, and the side sections are 11' wide. The setbacks are indicated by arrows and dimension lines.

The image shows a vertical sheet of white paper with faint, evenly spaced horizontal lines, characteristic of ledger or notebook paper. The lines are light gray and run across the width of the page. There are no margins, text, or other markings on the page.

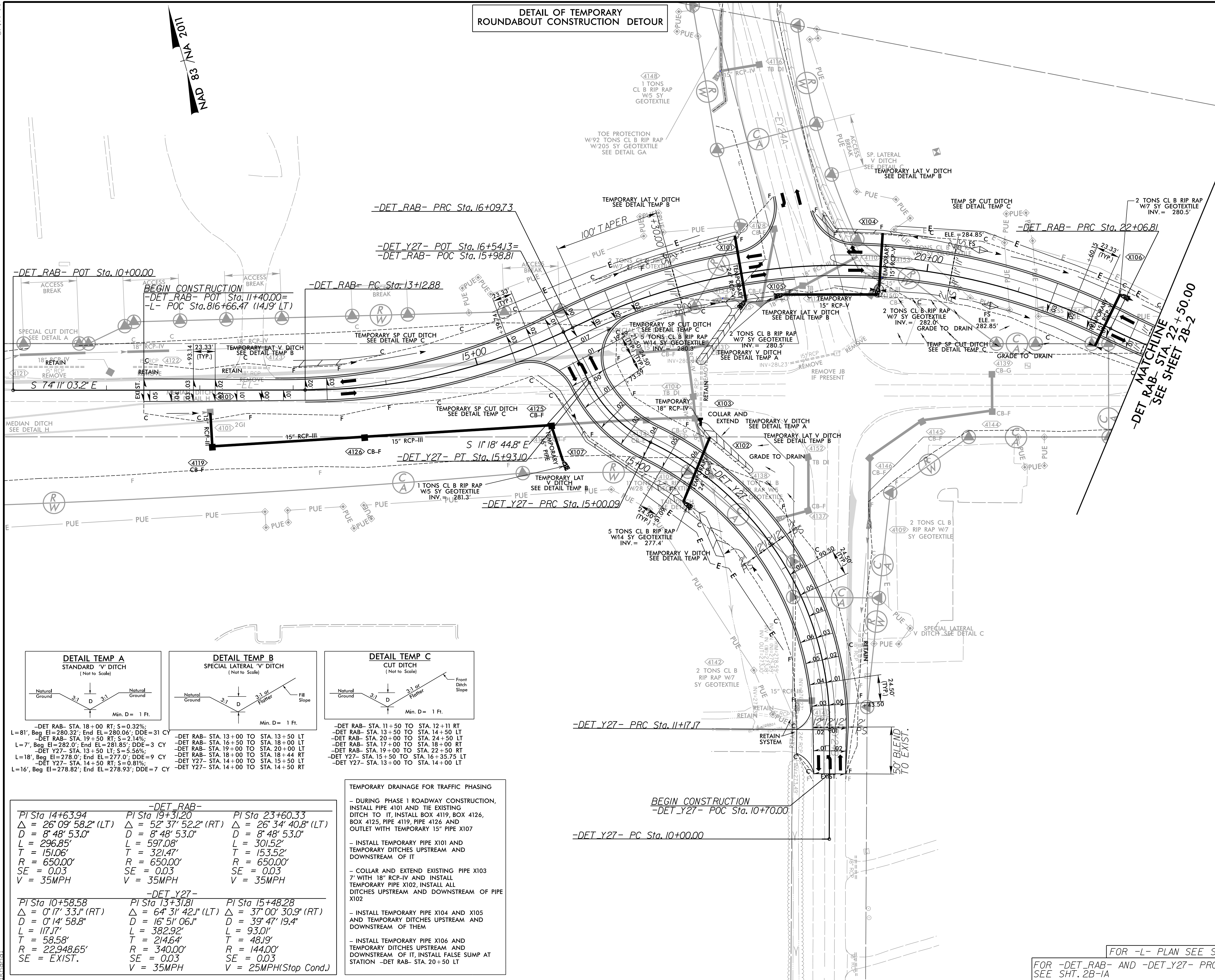


- | | | | |
|----|--------------|----|---------|
| -L | STA. 368 +20 | TO | 374 +44 |
| -L | STA. 377 +31 | TO | 382 +03 |
| -L | STA. 400 +50 | TO | 403 +33 |
| -L | STA. 424 +50 | TO | 426 +00 |
| -L | STA. 435 +36 | TO | 441 +55 |
| -L | STA. 442 +61 | TO | 443 +75 |
| -L | STA. 447 +22 | TO | 454 +61 |
| -L | STA. 462 +51 | TO | 475 +26 |
| -L | STA. 527 +10 | TO | 528 +09 |
| -L | STA. 532 +00 | TO | 536 +89 |
| -L | STA. 552 +67 | TO | 553 +32 |
| -L | STA. 572 +55 | TO | 586 +97 |
| -L | STA. 607 +08 | TO | 631 +60 |
| -L | STA. 671 +19 | TO | 671 +48 |
| -L | STA. 710 +15 | TO | 717 +00 |
| -L | STA. 742 +80 | TO | 749 +35 |
| -L | STA. 749 +71 | TO | 758 +50 |
| -L | STA. 786 +92 | TO | 788 +32 |
| -L | STA. 793 +00 | TO | 818 +00 |

PAVEMENT EDGES ARE 1:1 UNLESS SHOWN OTHERWISE.
SEE PLANS FOR LOCATION OF AUXILIARY LANES, CONCRETE ISLANDS, AND TAPERS.

DETAIL OF TEMPORARY
ROUNDBOUT CONSTRUCTION DETOUR

PROJECT REFERENCE NO.	SHEET NO.
R-5709C	2B-1
R/W SHEET NO.	R-5709 6A
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040878 DATE 10/13/2024 Signature: Mary E. Mays Mary E. Mays	 NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 51640 DATE 10/14/2024 Signature: Crawford Hoffman Crawford Hoffman
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



FOR -L- PLAN SEE SHT. 41

FOR -DET_RAB- AND -DET_Y27- PROFILES
SEE SHT. 2B-1A



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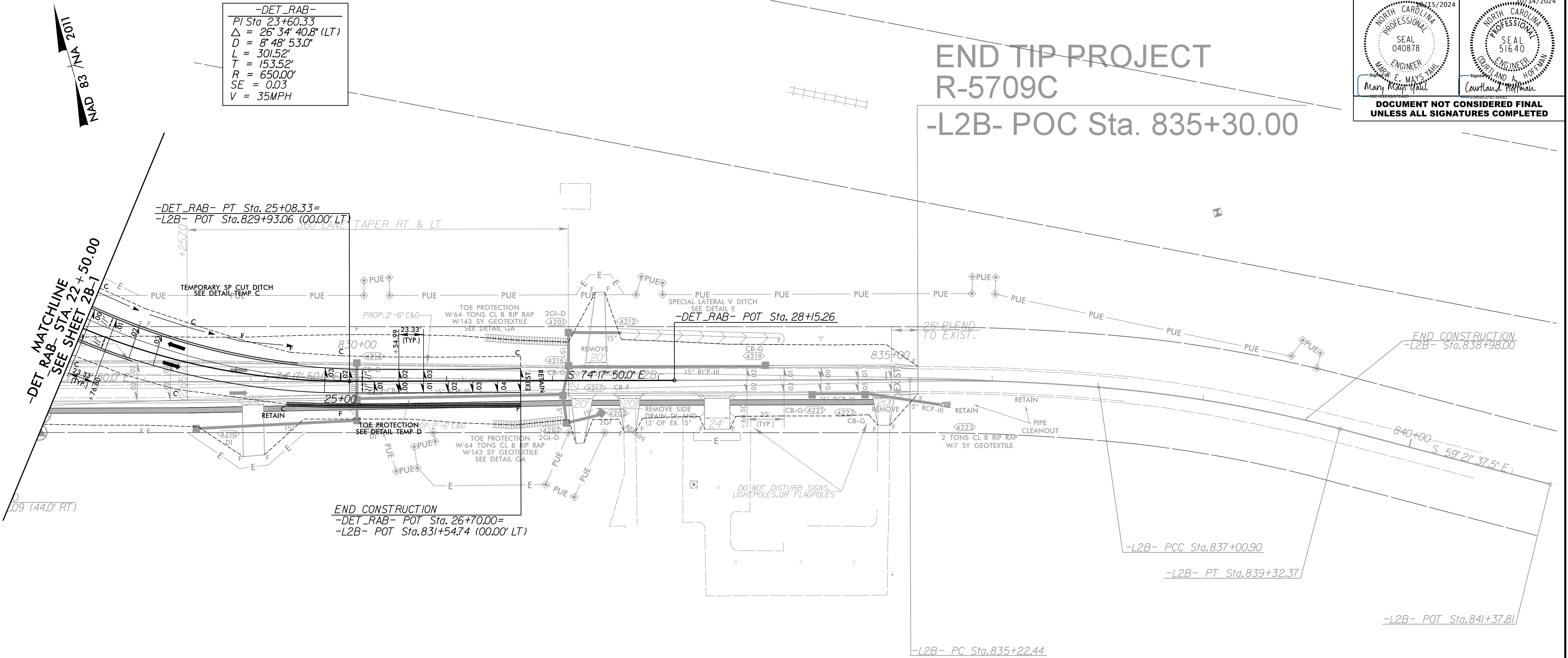
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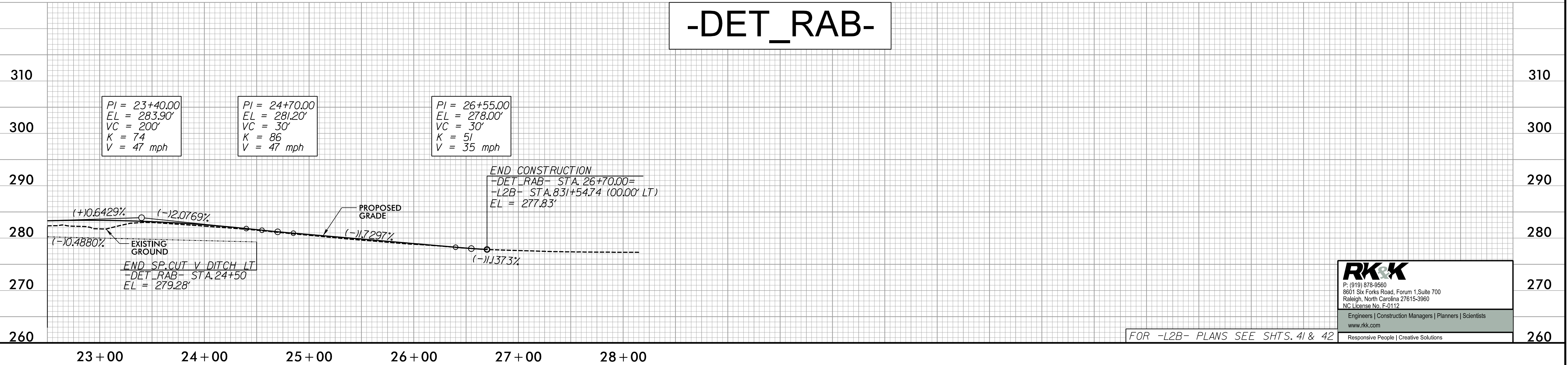
DETAIL OF TEMPORARY
ROUNDAABOUT CONSTRUCTION DETOUR

PROJECT REFERENCE NO.		SHEET NO.	
R-5709C		2B-2	
RW SHEET NO.		R-5709 65	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
NORTH CAROLINA PROFESSIONAL SEAL 040878 E. MAYS, P.E. Mary Mays Hall		NORTH CAROLINA PROFESSIONAL SEAL 51640 COURTNEY A. HOFFMAN Courtland Hoffman	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

END TIP PROJECT
R-5709C
-L2B- POC Sta. 835+30.00



-DET_RAB-



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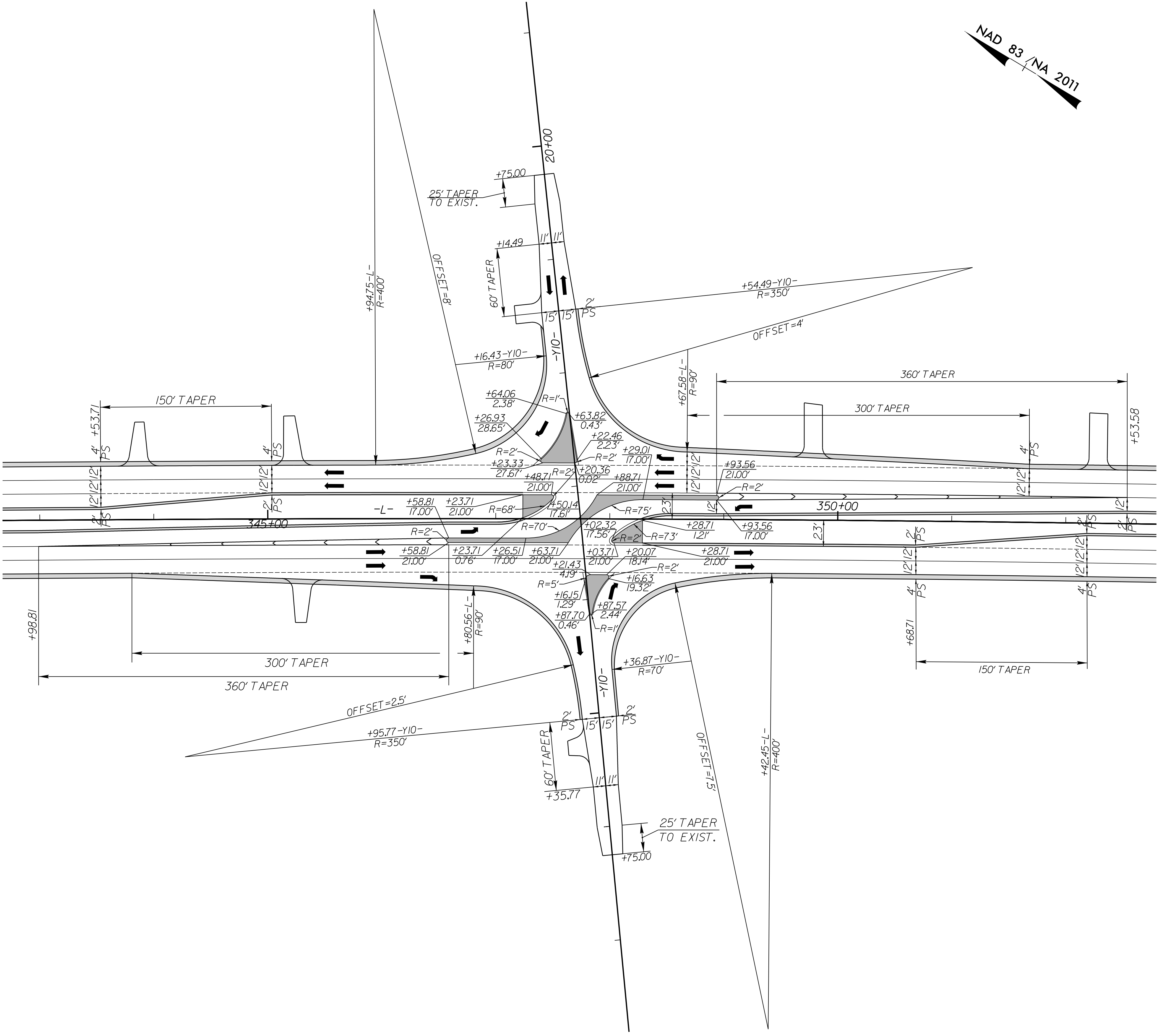
FOR -L2B- PLANS SEE SHTS. 41 & 42

9/3/2024
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amc

8/17/99

8/28/2024
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ccoker

-L- & -Y10- INTERSECTION DETAIL



NAD 83 / NA 2011

PROJECT REFERENCE NO. <i>R-5709C</i>	SHEET NO. <i>2B-3</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	
08/15/2024	
NORTH CAROLINA PROFESSIONAL SEAL 040878	
ENGINEER	
Signed: Mary E. Mays Yall	
Mary Mays Yall	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

ALL DRIVEWAYS ARE 16 FEET IN WIDTH WITH 10-FOOT RADII UNLESS OTHERWISE NOTED MATCH EXISTING DRIVE TYPE UNLESS OTHERWISE NOTED

FOR -L- PROFILE, SEE SHEET NOS. 47 & 48
FOR -Y10- PROFILE, SEE SHEET NO. 66

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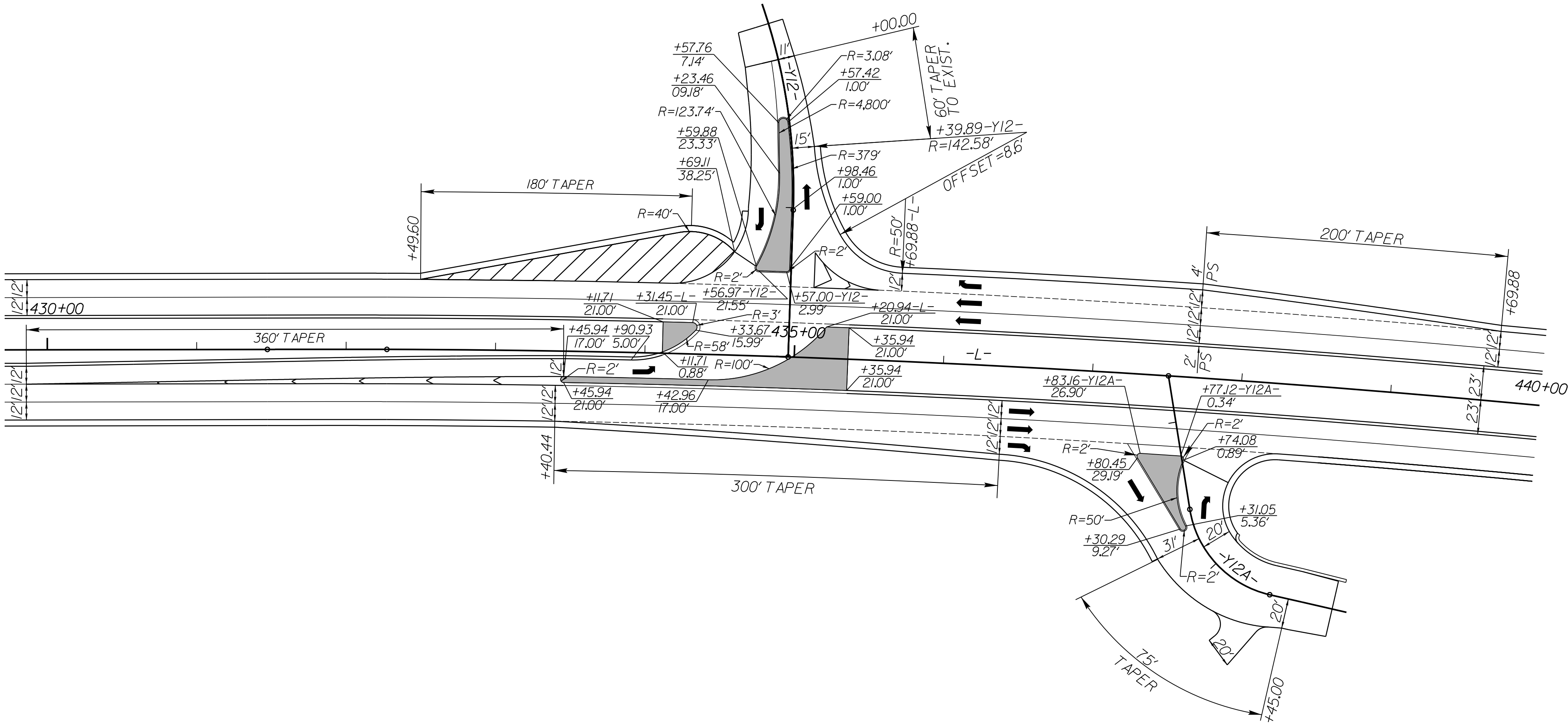
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8/28/2024
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icraker

-L- & -Y12- /-L- & -Y12A- INTERSECTION DETAIL

PROJECT REFERENCE NO.	SHEET NO.
R-5709C	2B-5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	
NORTH CAROLINA PROFESSIONAL SEAL 040878	
Mary E. Mays, P.E.	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

NAD 83 / NA 2011



ALL DRIVEWAYS ARE 16 FEET IN WIDTH WITH 10-FOOT RADII UNLESS OTHERWISE NOTED
MATCH EXISTING DRIVE TYPE UNLESS OTHERWISE NOTED

FOR PLAN VIEW, SEE SHEET NO. 13
FOR -L- PROFILE, SEE SHEET NO. 51
FOR -Y12- PROFILE, SEE SHEET NO. 68
FOR -Y12A- PROFILE, SEE SHEET NO. 68

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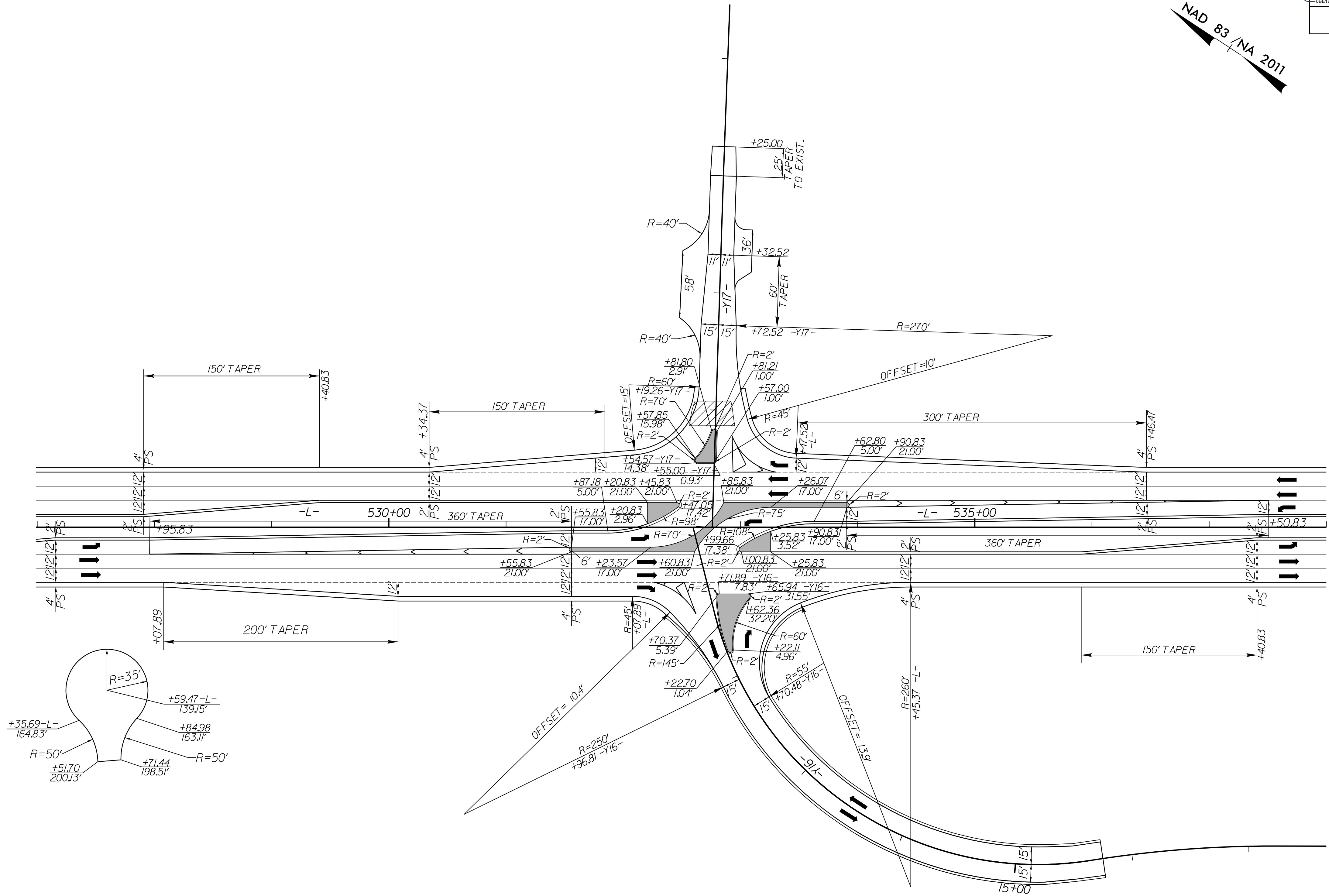
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8/28/2024
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ccoker

-L- & -Y16- /-L- & -Y17- INTERSECTION DETAIL

PROJECT REFERENCE NO.	SHEET NO.
R-5709C	2B-8
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	
08/15/2024	
NORTH CAROLINA PROFESSIONAL SEAL 040878	
ENGINEER	
Mary E. Evans, P.E.	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

NAD 83 / NA 2011



ALL DRIVEWAYS ARE 16 FEET IN WIDTH WITH
10-FOOT RADII UNLESS OTHERWISE NOTED
MATCH EXISTING DRIVE TYPE UNLESS
OTHERWISE NOTED

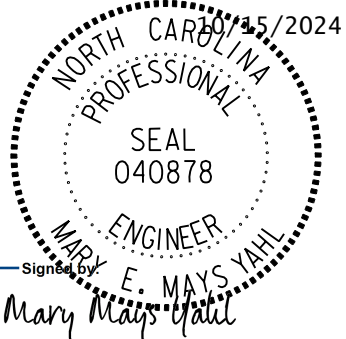
FOR PLAN VIEW, SEE SHEET NO. 20
FOR -L- PROFILE, SEE SHEET NO. 54
FOR -Y16- PROFILE, SEE SHEET NO. 69
FOR -Y17- PROFILE, SEE SHEET NO. 69

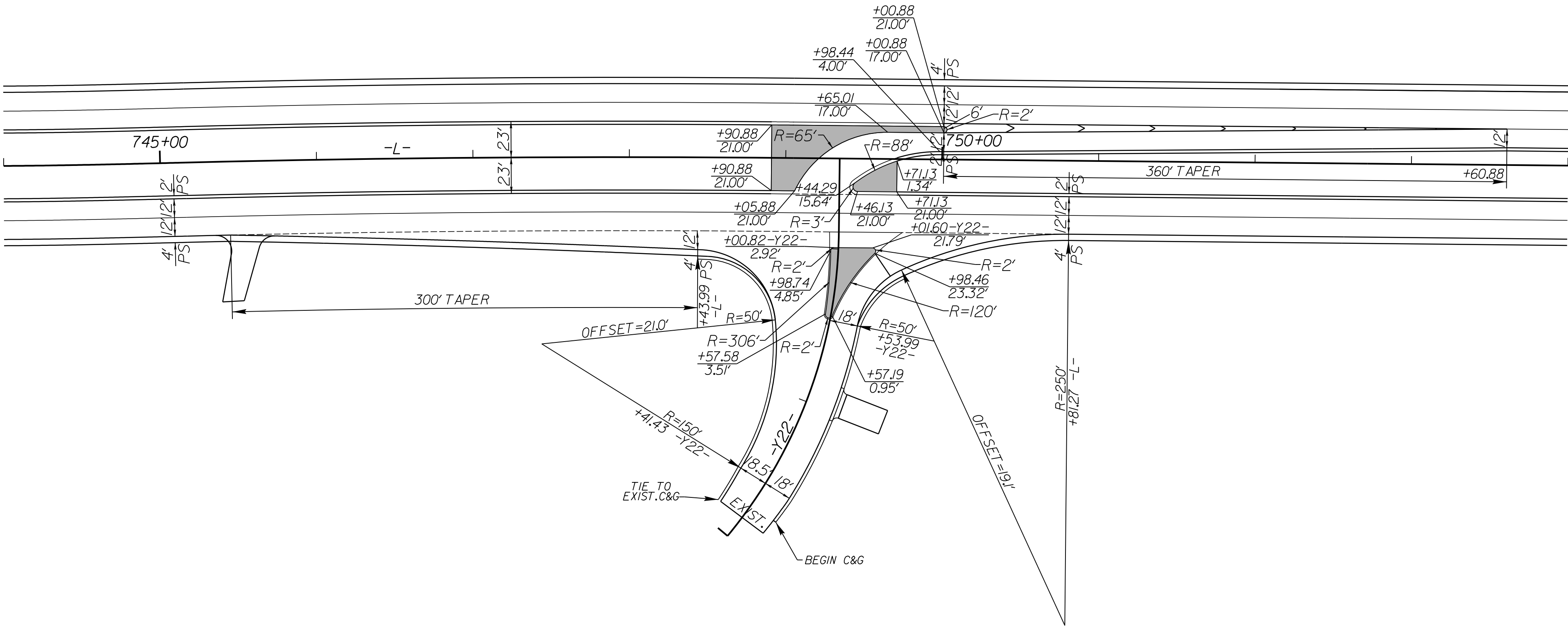
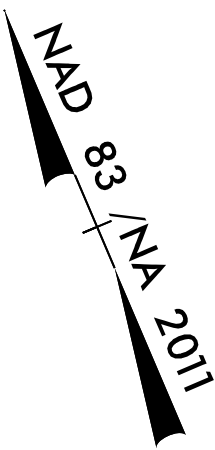
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8/28/2024
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-L- & -Y22- INTERSECTION DETAIL

PROJECT REFERENCE NO.	SHEET NO.
R-5709C	2B-8B
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



ALL DRIVEWAYS ARE 16 FEET IN WIDTH WITH
10-FOOT RADII UNLESS OTHERWISE NOTED
MATCH EXISTING DRIVE TYPE UNLESS
OTHERWISE NOTED

FOR PLAN VIEW, SEE SHEET NO. 35-36
FOR -L- PROFILE, SEE SHEET NO. 62
FOR -Y22- PROFILE, SEE SHEET NO. 71


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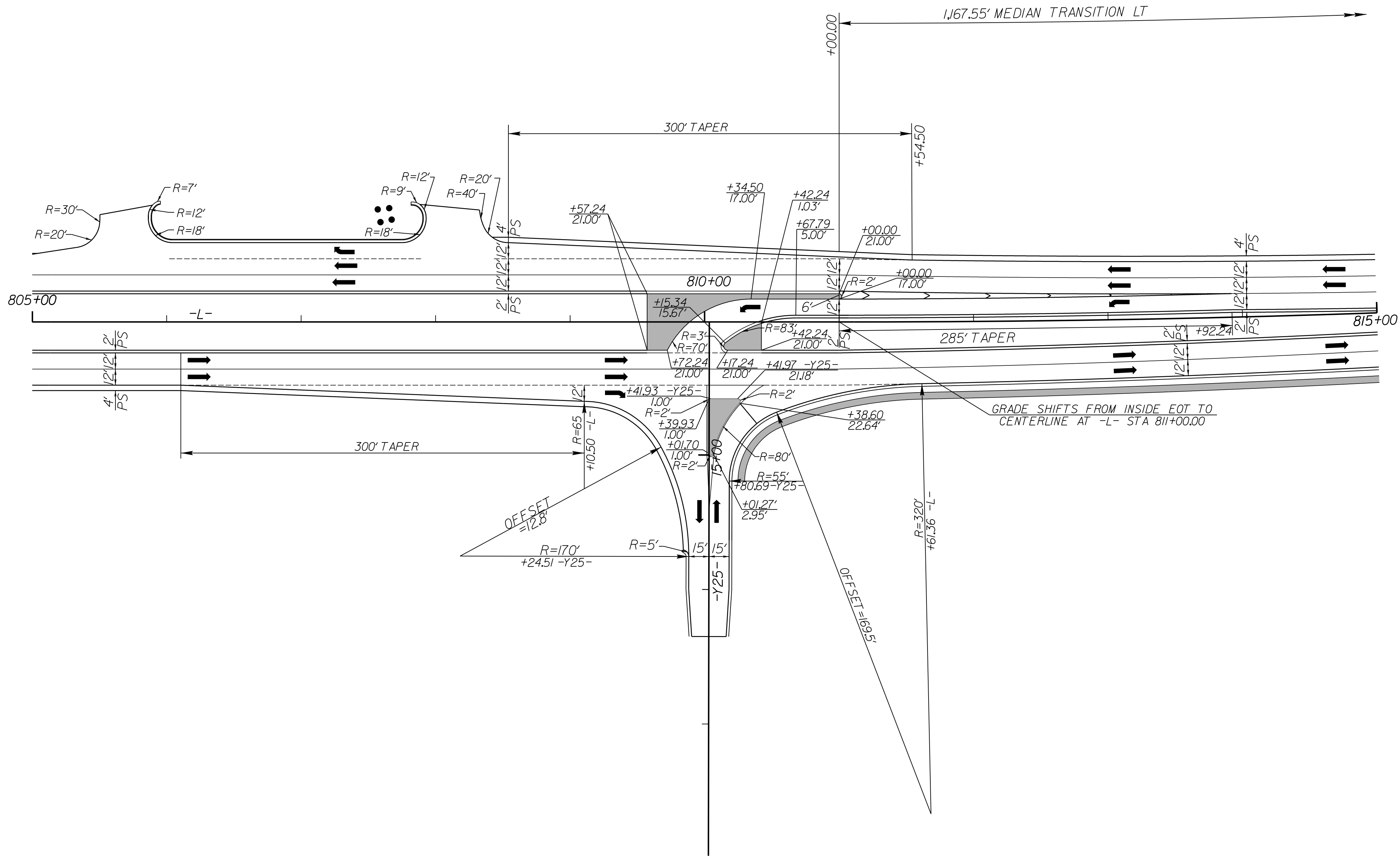
8/17/99

8/28/2024
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icraker

-L- & -Y25- INTERSECTION DETAIL

NAD 83 / N.A. 2011

PROJECT REFERENCE NO.	SHEET NO.
R-5709C	2B-10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	
10/15/2024	
NORTH CAROLINA PROFESSIONAL SEAL 040878	
ENGINEER	
Mary E. Mays, P.E.	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



ALL DRIVEWAYS ARE 16 FEET IN WIDTH WITH 10-FOOT RADII UNLESS OTHERWISE NOTED
MATCH EXISTING DRIVE TYPE UNLESS OTHERWISE NOTED

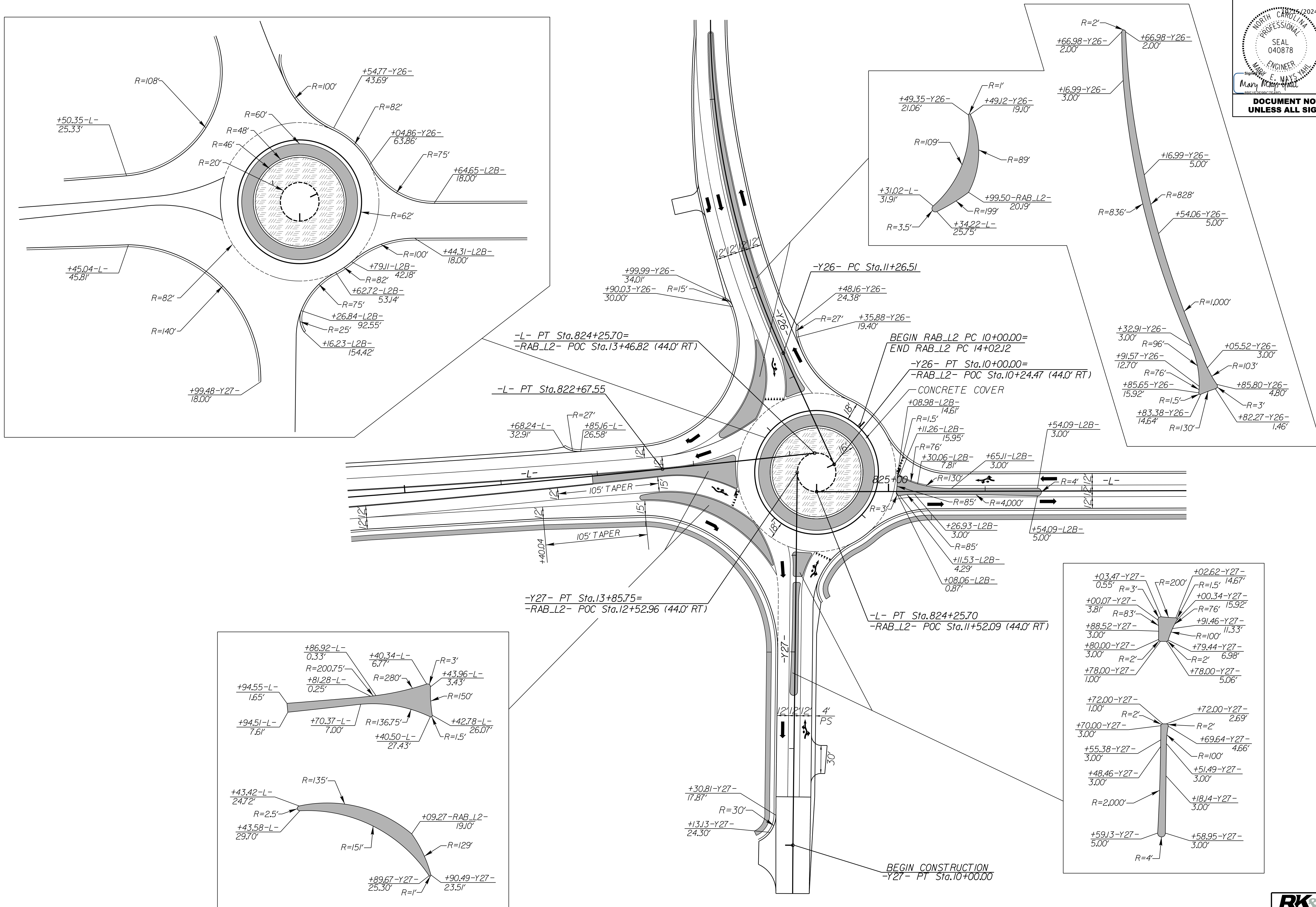
FOR PLAN VIEW, SEE SHEET NO. 40 & 41
FOR -L- PROFILE, SEE SHEET NO. 64
FOR -Y25- PROFILE, SEE SHEET NO. 72

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8/28/2024
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ccraker

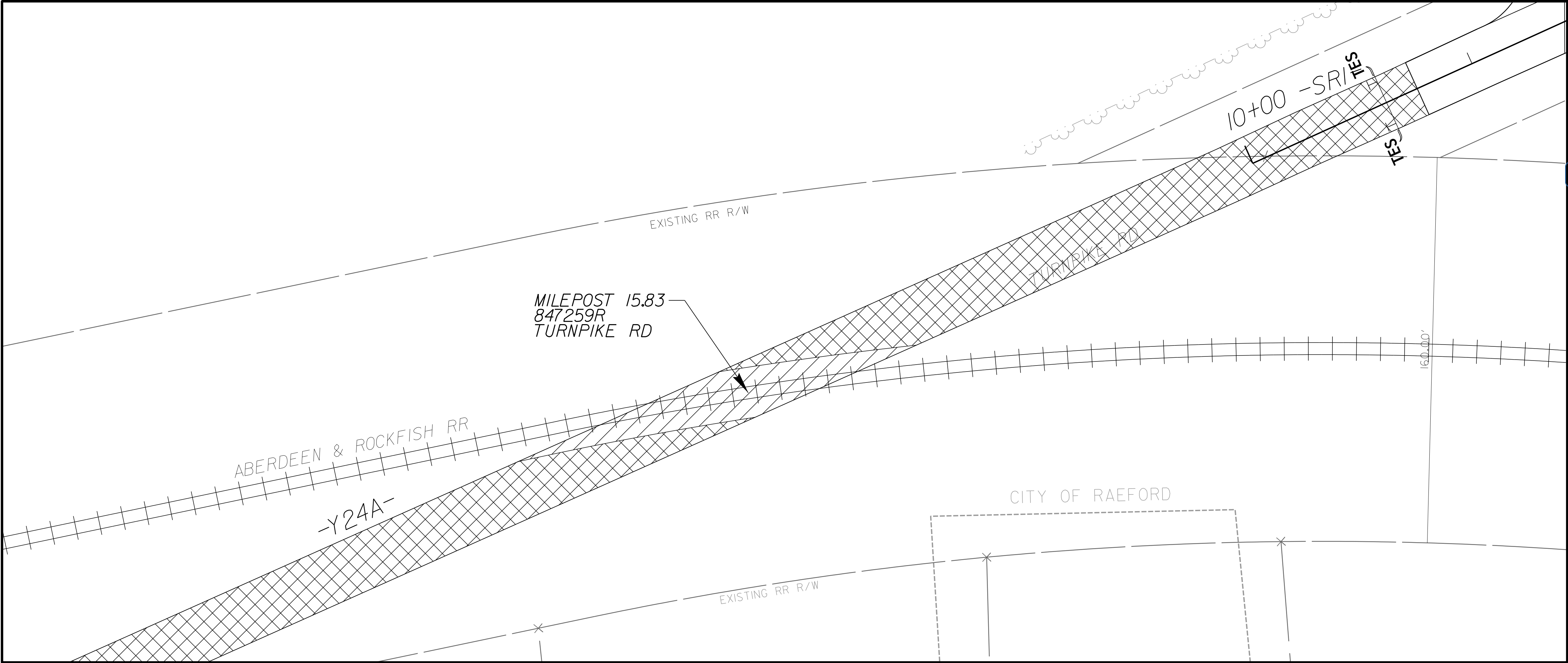
-L- & -Y26- /-L- & -Y27- INTERSECTION DETAIL



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NOTE: ALL WORK WITHIN ABERDEEN & ROCKFISH RR CORRIDOR TO BE COORDINATED WITH NCDOT & ABERDEEN & ROCKFISH RR.

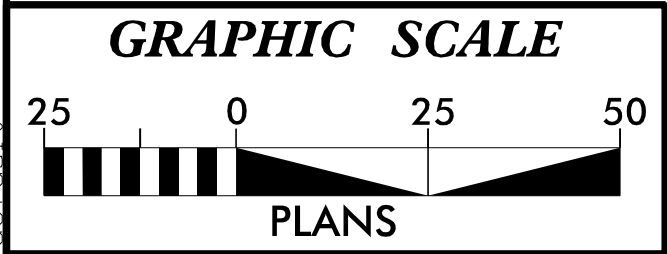


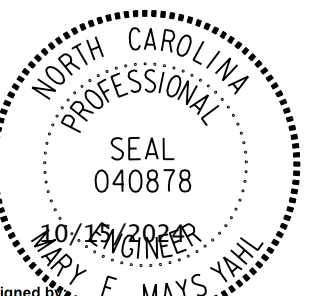
NOTES:

1. CONTACT THE NCDOT RESIDENT ENGINEER TO SCHEDULE THE CLOSURE OF TURNPIKE RD AT-GRADE CROSSING.
2. THE EXISTING PAVEMENT WITHIN THE ABERDEEN & ROCKFISH RR RIGHT-OF-WAY TO BE REMOVED BY CONTRACTOR. THE CONTRACTOR WILL SAW CUT THE ASPHALT 8 FEET FROM THE NEAR RAIL ON EITHER SIDE OF THE TRACK. THE RAILROAD WILL REMOVE THE ASPHALT BETWEEN THE SAW CUTS (PAVEMENT REMOVAL BY OTHERS) AND STOCKPILE ASPHALT FOR REMOVAL BY THE CONTRACTOR. THE EXISTING CROSSBUCKS, GATES AND/OR FLASHERS WILL BE REMOVED BY THE RAILROAD.
3. CONTRACTOR SHALL STABILIZE THE DISTURBED AREA OUTSIDE THE RAILROAD BALLAST LINE.
4. CONTRACTOR SHALL CONTACT NORTH CAROLINA 811 TO LOCATE ALL UNDERGROUND UTILITIES IN THE WORK AREA. CONTRACTOR SHALL ALSO CONTACT ABERDEEN & ROCKFISH RR TO LOCATE ANY UNDERGROUND RAILROAD UTILITIES IN THE WORK AREA PRIOR TO COMMENCEMENT OF WORK WITHIN THE ABERDEEN AND ROCKFISH RIGHT-OF-WAY.
5. CONTRACTOR SHALL REMOVE EXISTING HIGHWAY ROADBED AND GRADE AREA TO MATCH ADJACENT TOPOGRAPHY. ANY EXISTING PIPE CULVERTS IN THE RAILROAD DITCHES SHALL BE REMOVED AND EXISTING DITCHES GRADED TO DRAIN. ALL PAVEMENT WITHIN THE ABERDEEN & ROCKFISH RR RIGHT-OF-WAY CORRIDOR IS TO BE REMOVED PRIOR TO THE CONCLUSION OF THE PROJECT.
6. PROVIDE PERMANENT SIGNING AS SHOWN IN THE R-5709 SIGNING PLANS. EXISTING ADVANCED RAILROAD WARNING SIGNS ARE TO BE REMOVED BY CONTRACTOR.
7. PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC MANAGEMENT PLANS.
8. ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

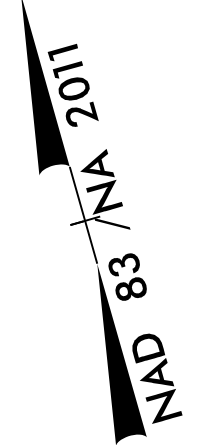
CROSSING CLOSURE DETAIL

TURNPIKE RD.



PROJECT REFERENCE NO. R-5709C	SHEET NO. 2B-12
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	
	
Signed By: Mary E. Mays	

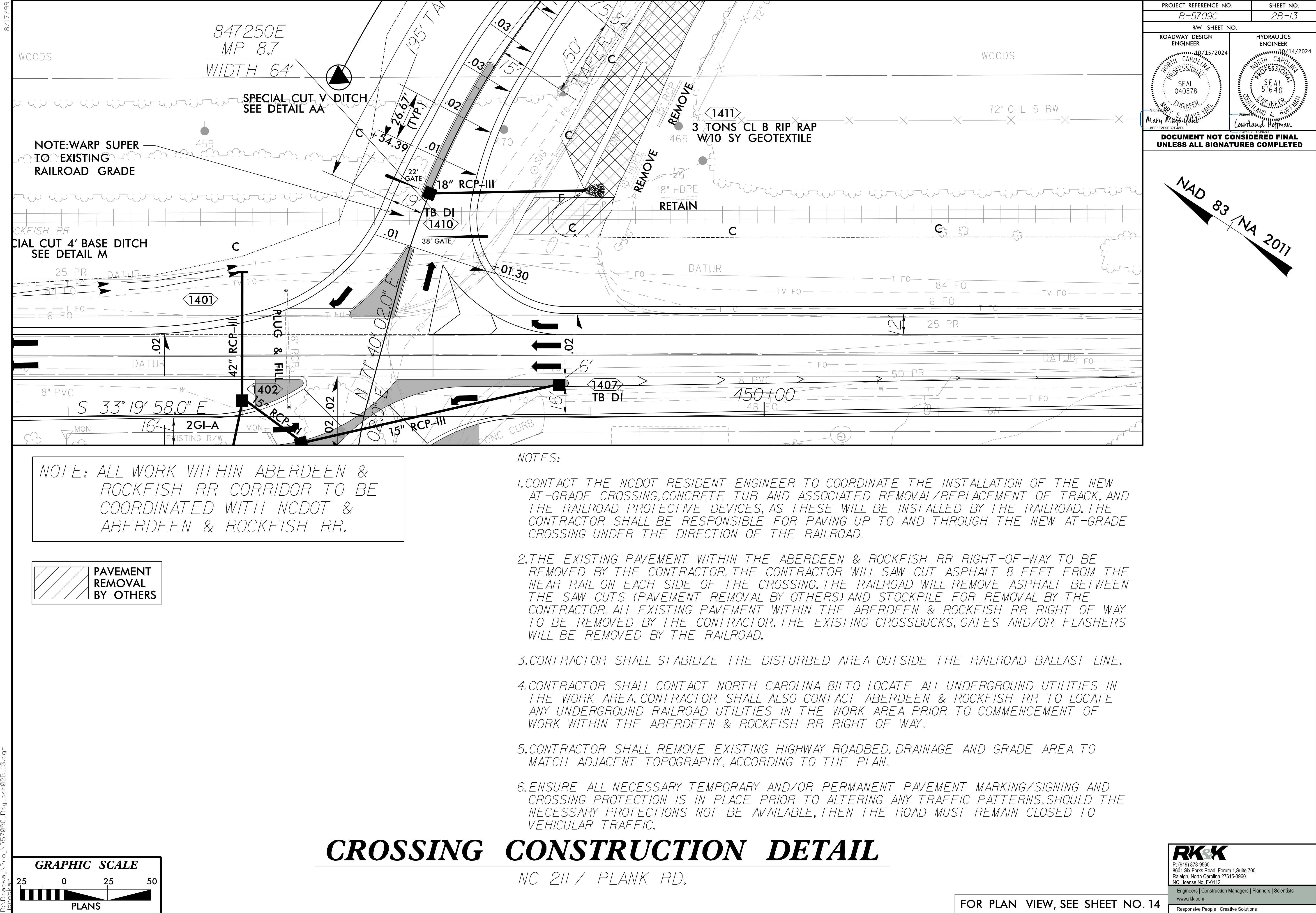
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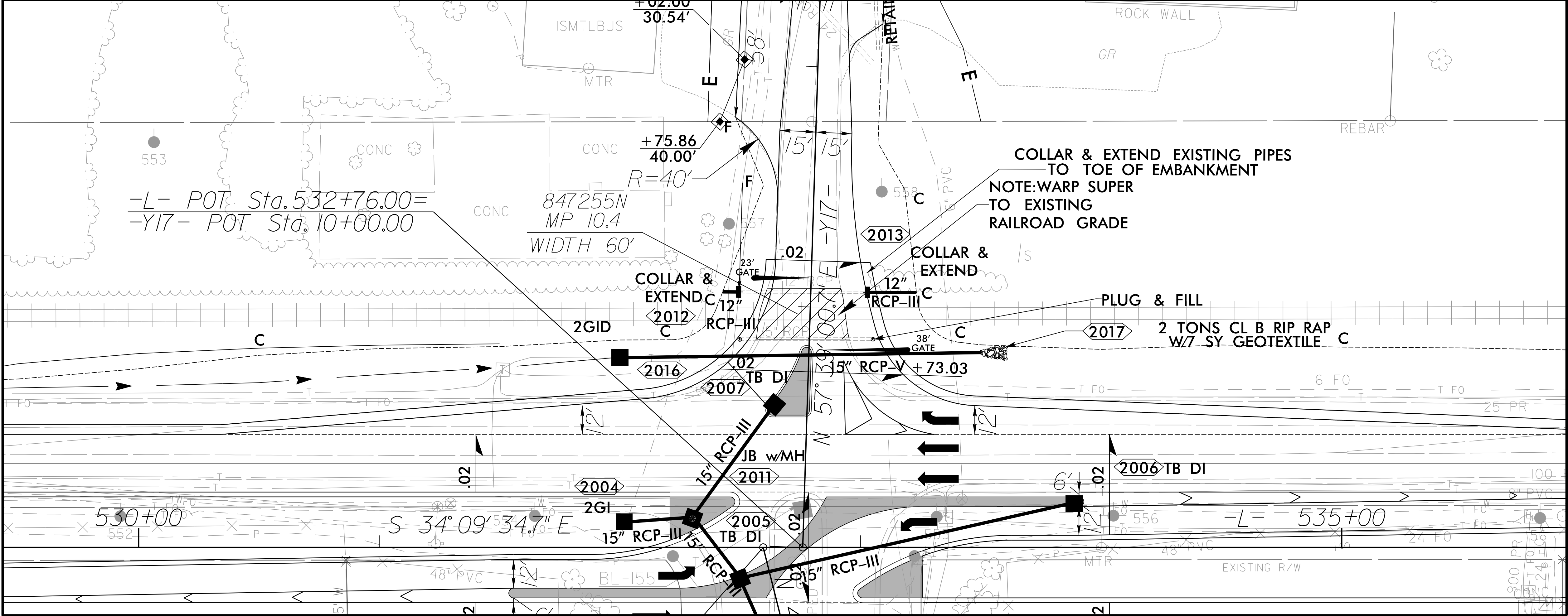
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FOR Y24A PLAN VIEW SEE SHT. 40.
FOR -SRI- PLAN VIEW SEE SHT. 45.

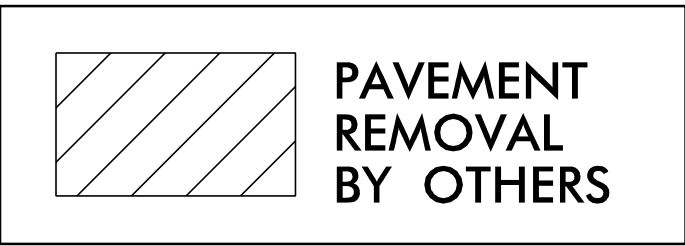


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NOTE: ALL WORK WITHIN ABERDEEN & ROCKFISH RR CORRIDOR TO BE COORDINATED WITH NCDOT & ABERDEEN & ROCKFISH RR.

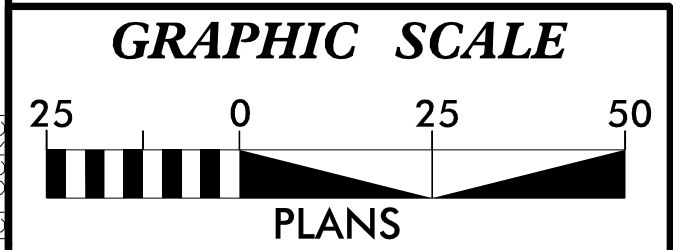


NOTES:

1. CONTACT THE NCDOT RESIDENT ENGINEER TO COORDINATE THE INSTALLATION OF THE NEW AT-GRADE CROSSING, CONCRETE TUB AND ASSOCIATED REMOVAL/REPLACEMENT OF TRACK, AND THE RAILROAD PROTECTIVE DEVICES, AS THESE WILL BE INSTALLED BY THE RAILROAD. THIS IS A ONE-WAY IN AND ONE-WAY OUT CROSSING. TEMPORARY ACCESS NEEDS TO BE PROVIDED BY THE CONTRACTOR DURING RECONSTRUCTION OF THE EXISTING CROSSING BY THE RAILROAD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAVING UP TO AND THROUGH THE NEW AT-GRADE CROSSING UNDER THE DIRECTION OF THE RAILROAD.
2. THE EXISTING PAVEMENT WITHIN THE ABERDEEN & ROCKFISH RR RIGHT-OF-WAY TO BE REMOVED BY THE CONTRACTOR. THE CONTRACTOR WILL SAW CUT ASPHALT 8 FEET FROM THE NEAR RAIL ON EACH SIDE OF THE CROSSING. THE RAILROAD WILL REMOVE ASPHALT BETWEEN THE SAW CUTS (PAVEMENT REMOVAL BY OTHERS) AND STOCKPILE FOR REMOVAL BY THE CONTRACTOR. ALL EXISTING PAVEMENT WITHIN THE ABERDEEN & ROCKFISH RR RIGHT OF WAY TO BE REMOVED BY THE CONTRACTOR. THE EXISTING CROSSBUCKS, GATES AND/OR FLASHERS WILL BE REMOVED BY THE RAILROAD.
3. CONTRACTOR SHALL STABILIZE THE DISTURBED AREA OUTSIDE THE RAILROAD BALLAST LINE.
4. CONTRACTOR SHALL CONTACT NORTH CAROLINA 811 TO LOCATE ALL UNDERGROUND UTILITIES IN THE WORK AREA. CONTRACTOR SHALL ALSO CONTACT ABERDEEN & ROCKFISH RR TO LOCATE ANY UNDERGROUND RAILROAD UTILITIES IN THE WORK AREA PRIOR TO COMMENCEMENT OF WORK WITHIN THE ABERDEEN & ROCKFISH RR RIGHT OF WAY.
5. CONTRACTOR SHALL REMOVE EXISTING HIGHWAY ROADBED, DRAINAGE AND GRADE AREA TO MATCH ADJACENT TOPOGRAPHY, ACCORDING TO THE PLAN.
6. ENSURE ALL NECESSARY TEMPORARY AND/OR PERMANENT PAVEMENT MARKING/SIGNING AND CROSSING PROTECTION IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERNS. SHOULD THE NECESSARY PROTECTIONS NOT BE AVAILABLE, THEN THE ROAD MUST REMAIN CLOSED TO VEHICULAR TRAFFIC.

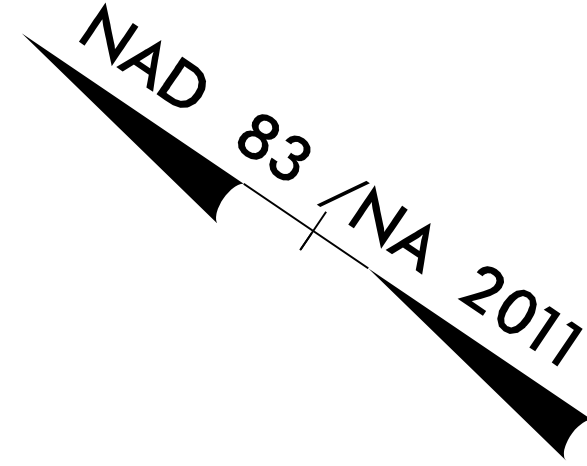
CROSSING CONSTRUCTION DETAIL

NC 211 / POOLE RD.



PROJECT REFERENCE NO. R-5709C		SHEET NO. 2B-14	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
Signed: Mark E. Wais, NCE		Signed: Courtney Hoffman, NCE	

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UNLESS ALL SIGNATURES COMPLETED

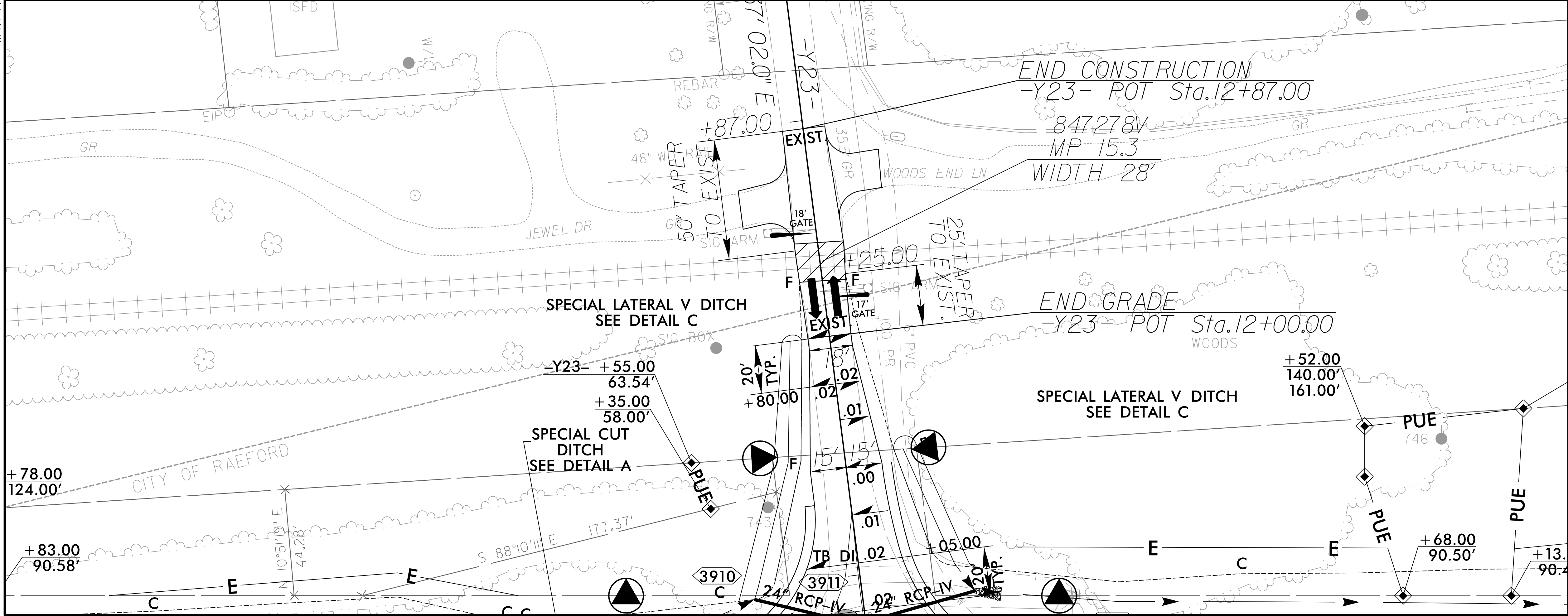


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FOR PLAN VIEW, SEE SHEET NO. 20

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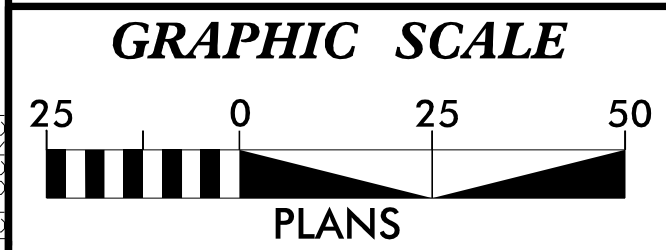
NOTE: ALL WORK WITHIN ABERDEEN & ROCKFISH RR CORRIDOR TO BE COORDINATED WITH NCDOT & ABERDEEN & ROCKFISH RR.



- NOTES:
1. CONTACT THE NCDOT RESIDENT ENGINEER TO COORDINATE THE REMOVAL/INSTALLATION OF THE NEW AT-GRADE CROSSING SURFACE AND INSTALLATION OF THE RAILROAD PROTECTIVE DEVICES. AS THESE WILL BE INSTALLED BY THE RAILROAD, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PAVING UP TO AND THROUGH THE NEW AT-GRADE CROSSING UNDER THE DIRECTION OF THE RAILROAD. THIS IS A ONE-WAY IN AND ONE-WAY OUT CROSSING. THE CONTRACTOR SHALL PROVIDE THE MEANS FOR THE CROSSING WORK TO BE PERFORMED AND MAINTAIN AT LEAST ONE LANE OF ACCESS.
 2. THE EXISTING PAVEMENT WITHIN THE ABERDEEN & ROCKFISH RR RIGHT-OF-WAY TO BE REMOVED BY CONTRACTOR. CONTRACTOR WILL SAW CUT THE ASPHALT 8' FROM THE NEAR RAIL EITHER SIDE OF THE TRACK. RAILROAD WILL REMOVE ASPHALT BETWEEN THE SAW CUTS AND STOCKPILE ASPHALT FOR REMOVAL BY CONTRATOR. THE EXISTING CROSSBUCKS, GATES, AND/OR FLASHERS WILL BE REMOVED BY THE RAILROAD.
 3. CONTRACTOR SHALL STABILIZE THE DISTURBED AREA OUTSIDE THE RAILROAD BALLAST LINE.
 4. CONTRACTOR SHALL CONTACT NORTH CAROLINA 811 TO LOCATE ALL UNDERGROUND UTILITIES IN THE WORK AREA. CONTRACTOR SHALL ALSO CONTACT ABERDEEN & ROCKFISH RR TO LOCATE ANY UNDERGROUND RAILROAD UTILITIES IN THE WORK AREA PRIOR TO COMMENCEMENT OF WORK WITHIN THE ABERDEEN & ROCKFISH RR RIGHT OF WAY.
 5. CONTRACTOR SHALL REMOVE EXISTING HIGHWAY ROADBED, DRAINAGE AND GRADE AREA TO MATCH ADJACENT TOPOGRAPHY, ACCORDING TO THE PLAN.
 6. ENSURE ALL NECESSARY TEMPORARY AND/OR PERMANENT PAVEMENT MARKING/SIGNING AND CROSSING PROTECTION IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERNS. SHOULD THE NECESSARY PROTECTIONS NOT BE AVAILABLE, THEN THE ROAD MUST REMAIN CLOSED TO VEHICULAR TRAFFIC.

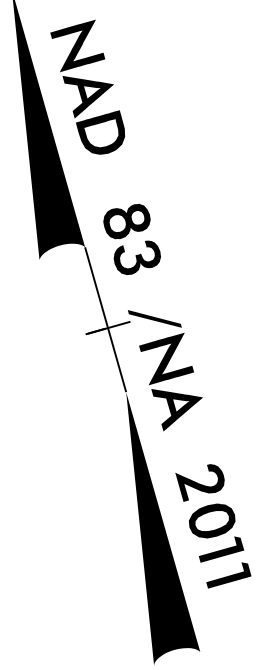
CROSSING CONSTRUCTION DETAIL

NC 211 / LAKE ELIZABETH RD.



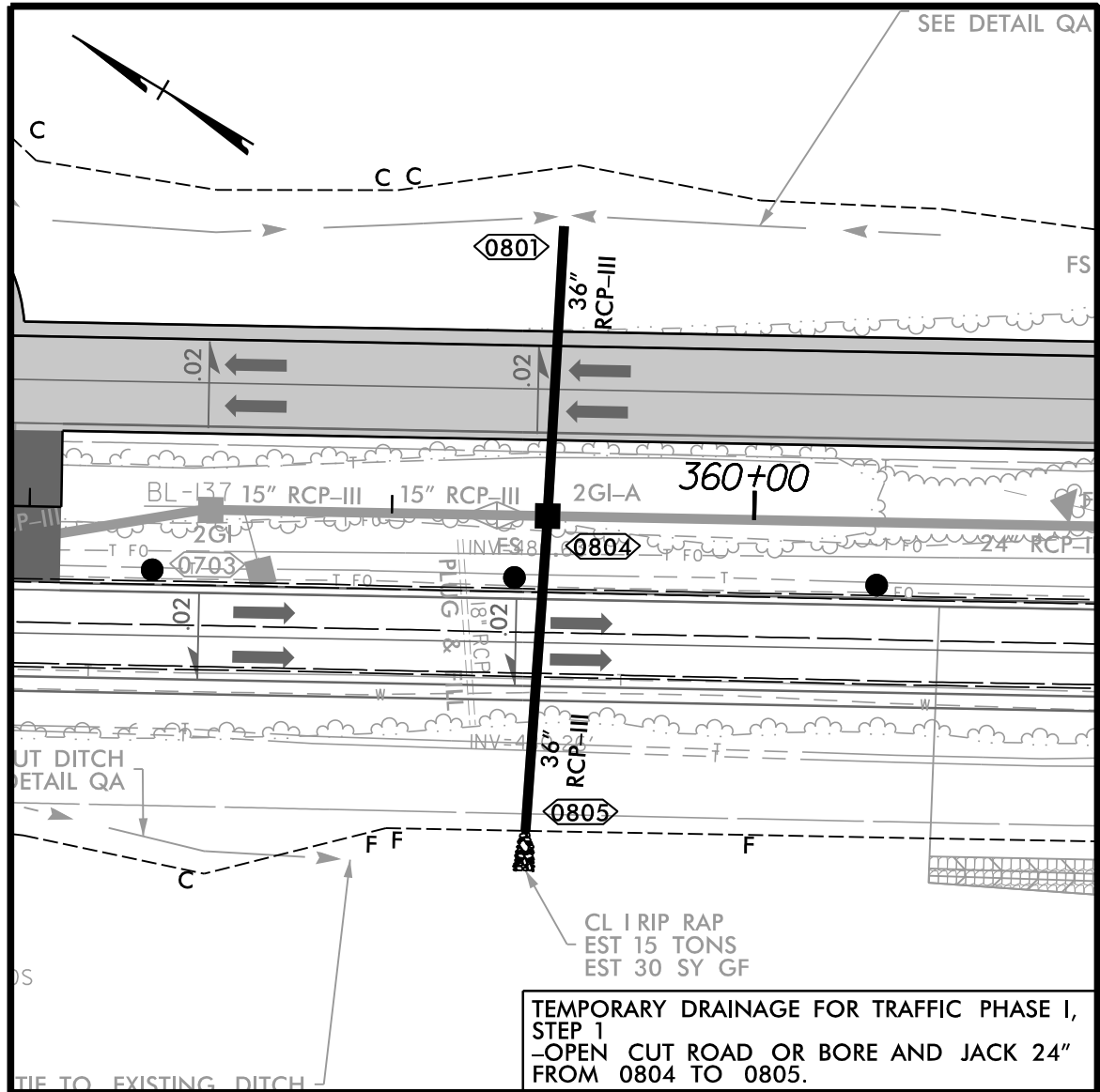
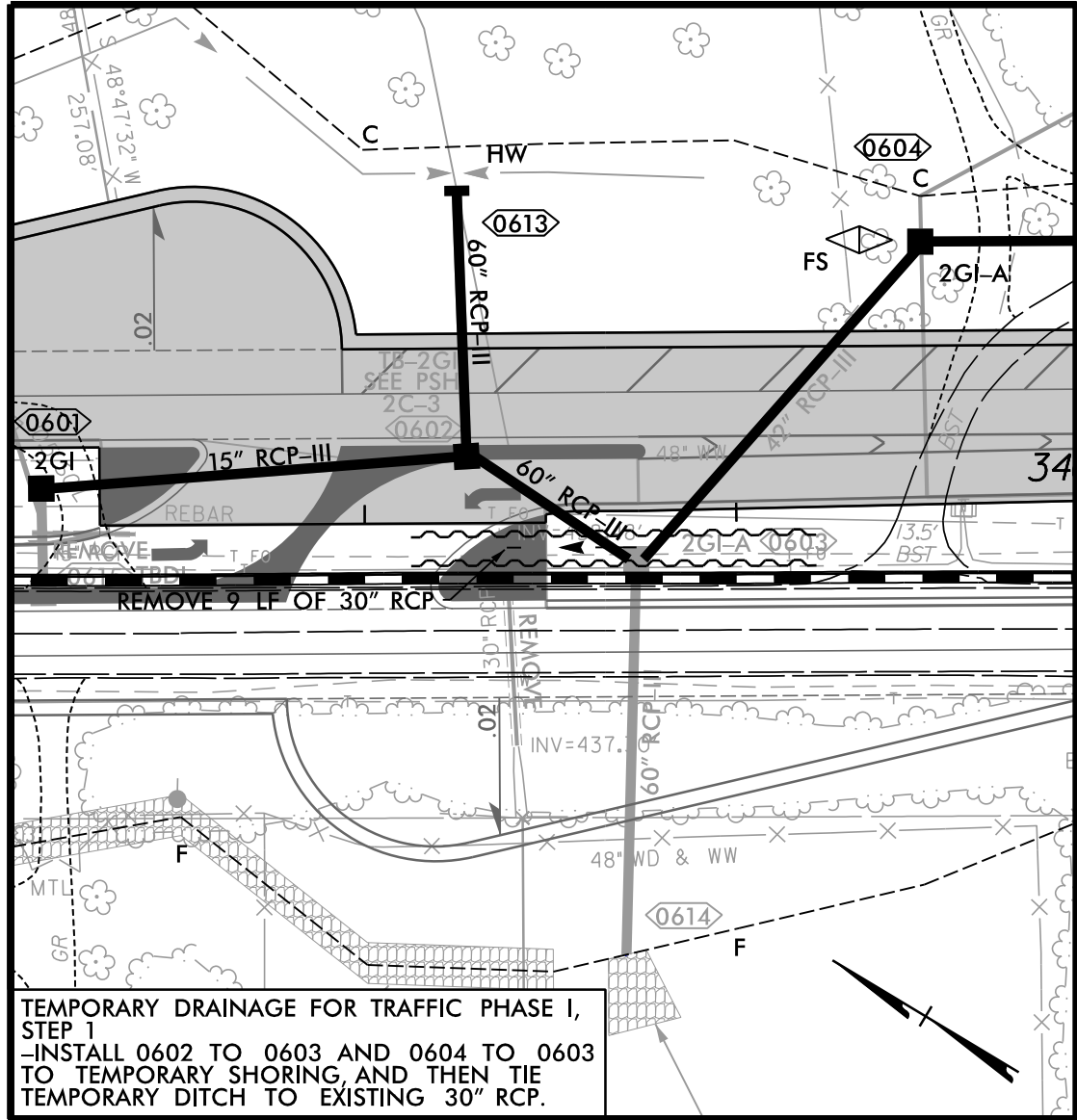
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RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
Signed: Mary E. Wills, EIT		Signed: Courtland A. Hoffman, EIT	

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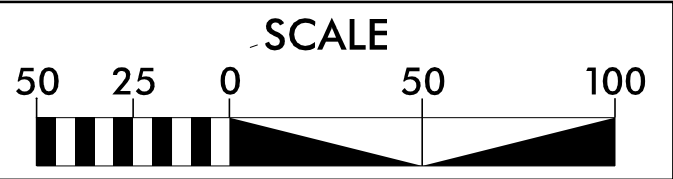
FOR PLAN VIEW, SEE SHEET NOS. 39



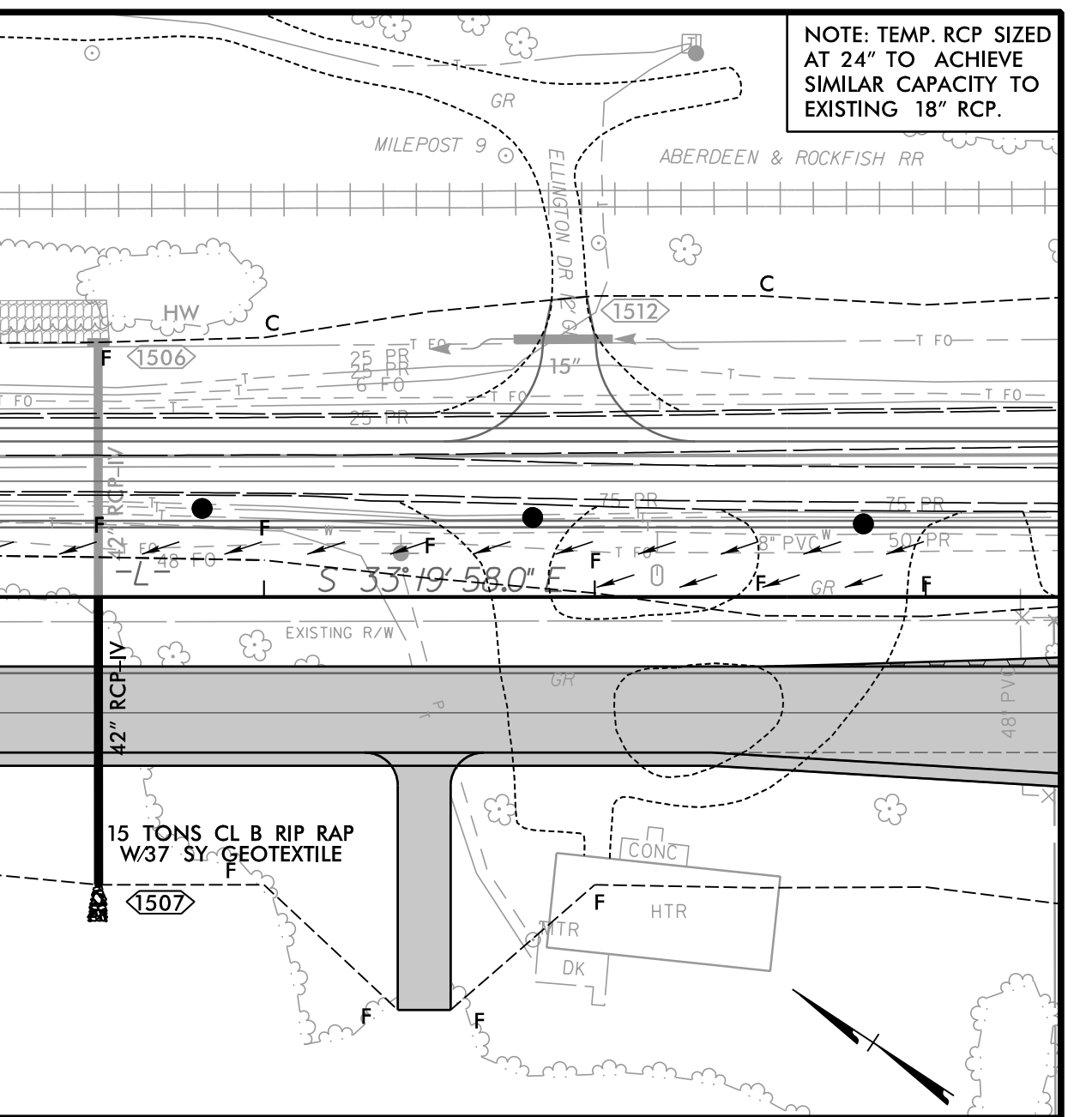
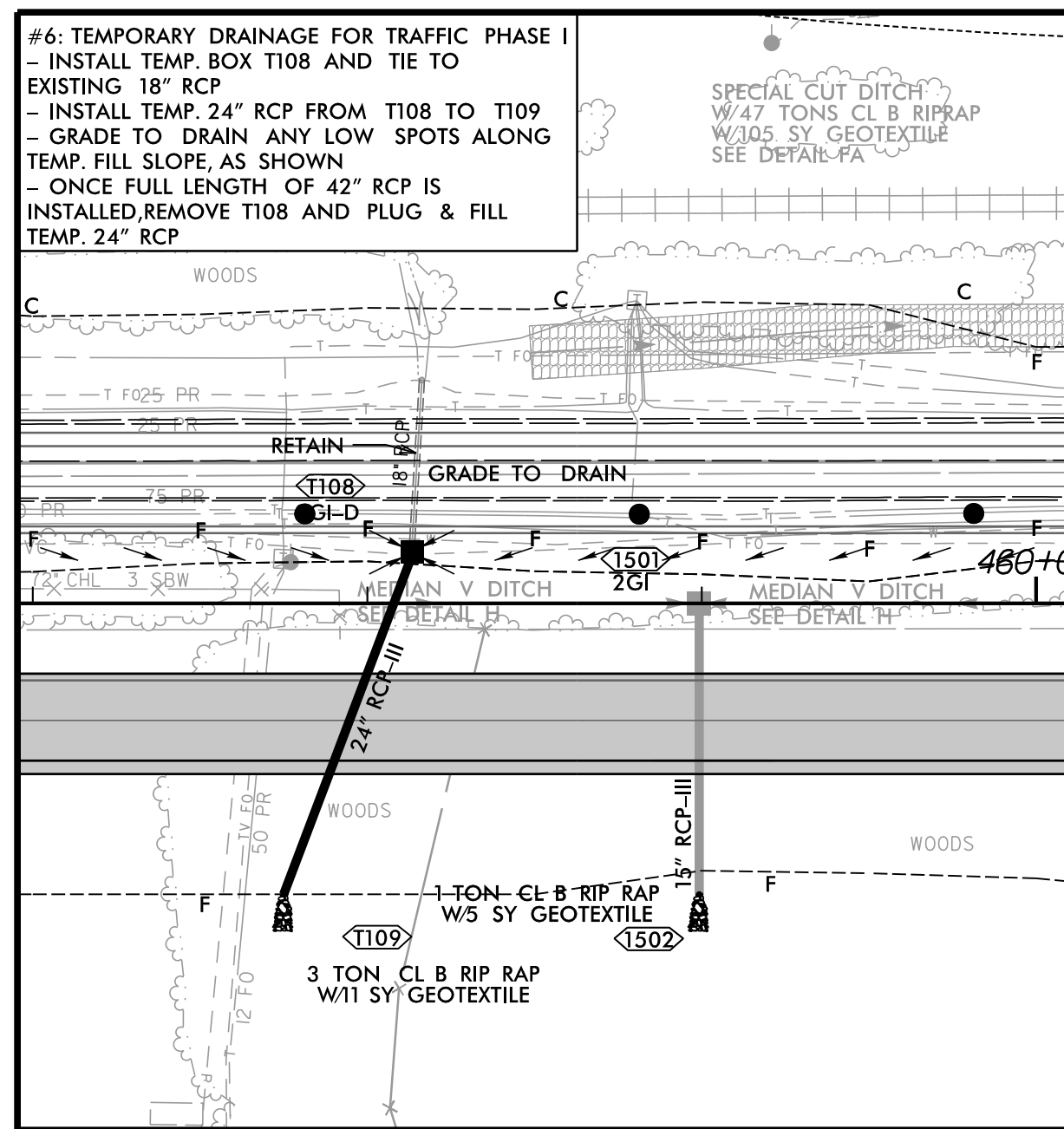
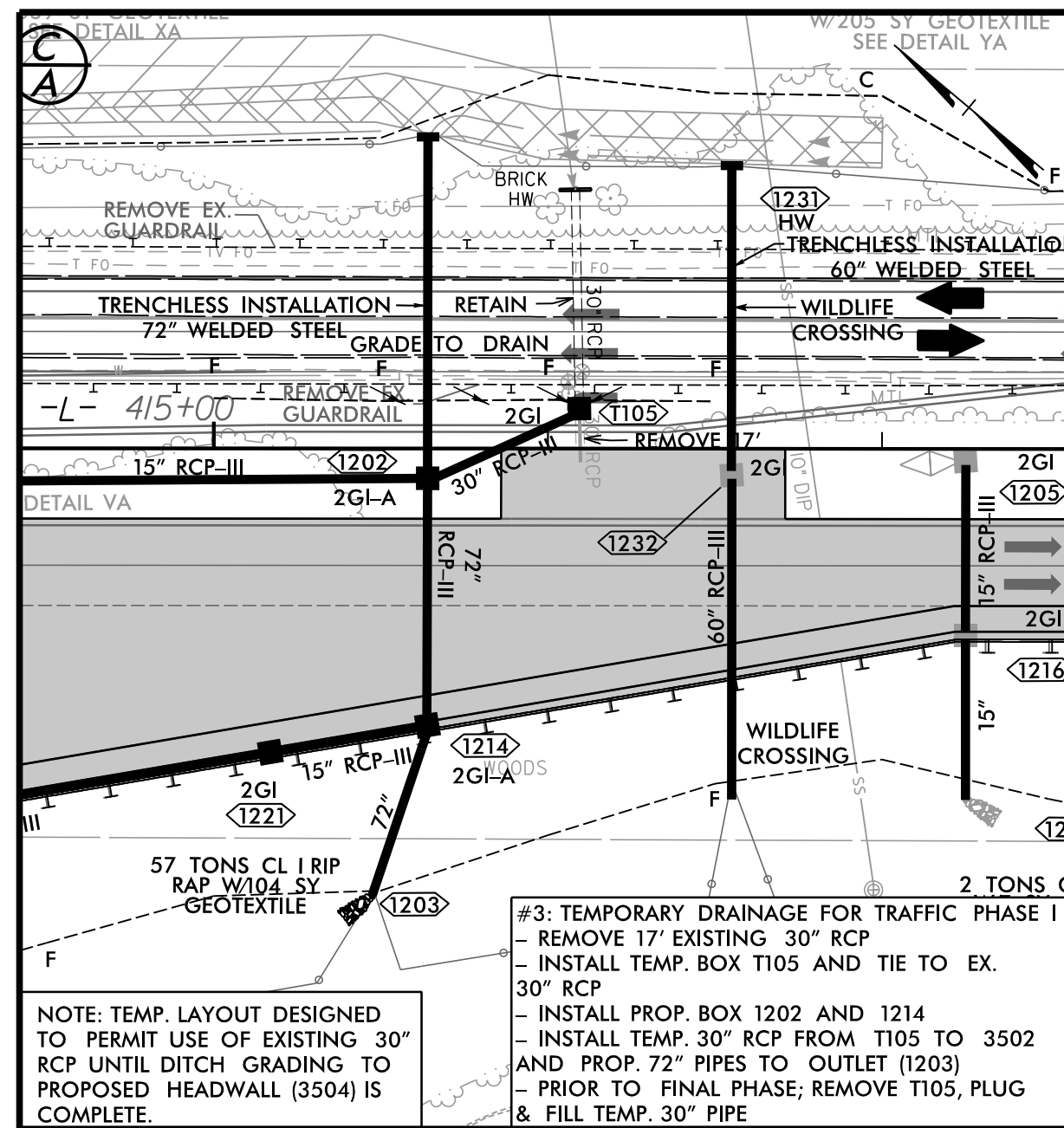
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R-5709C	2B-18
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
10/15/2024	10/14/2024
Mary E. Mays	Courtland A. Hoffman
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

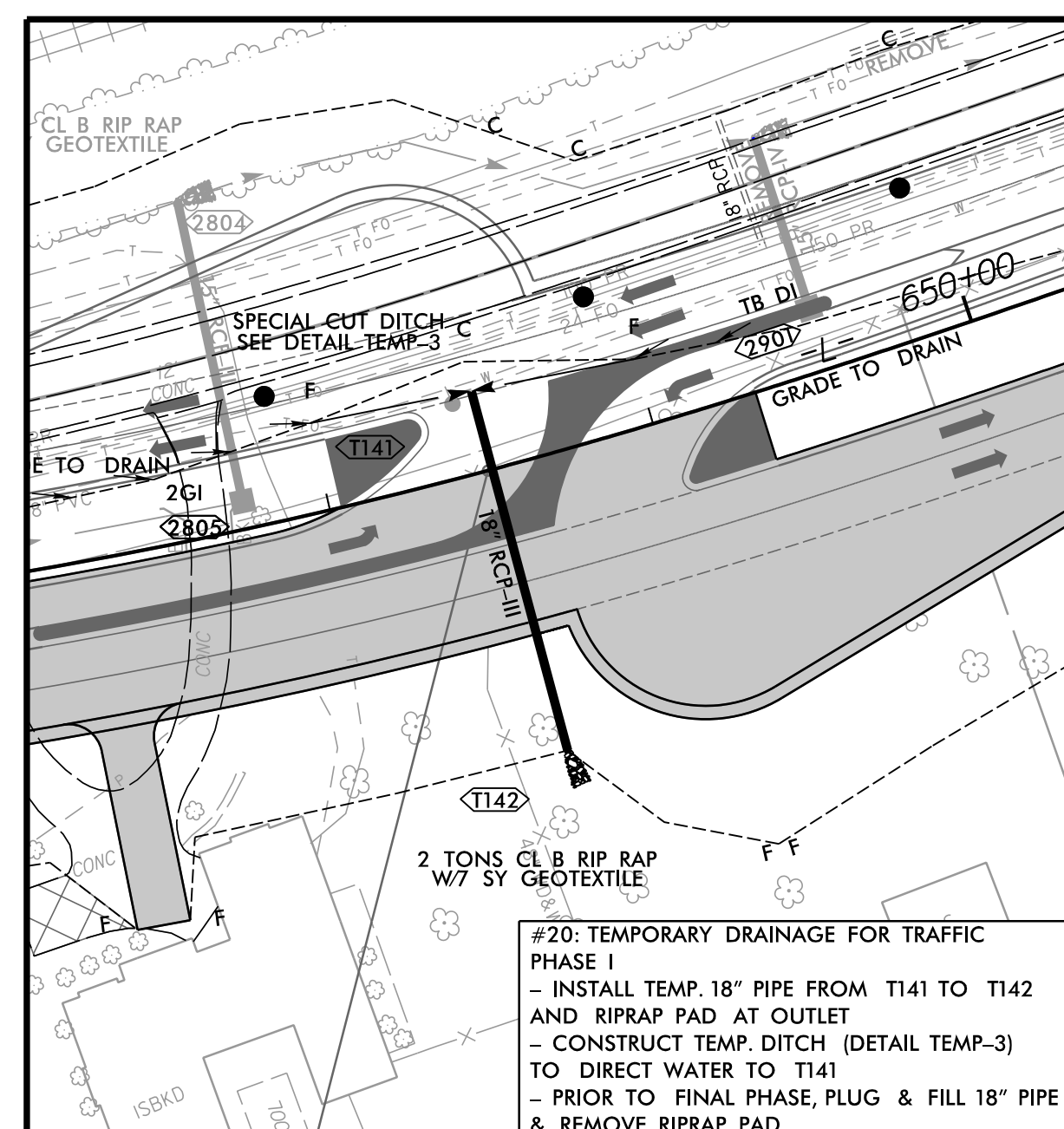
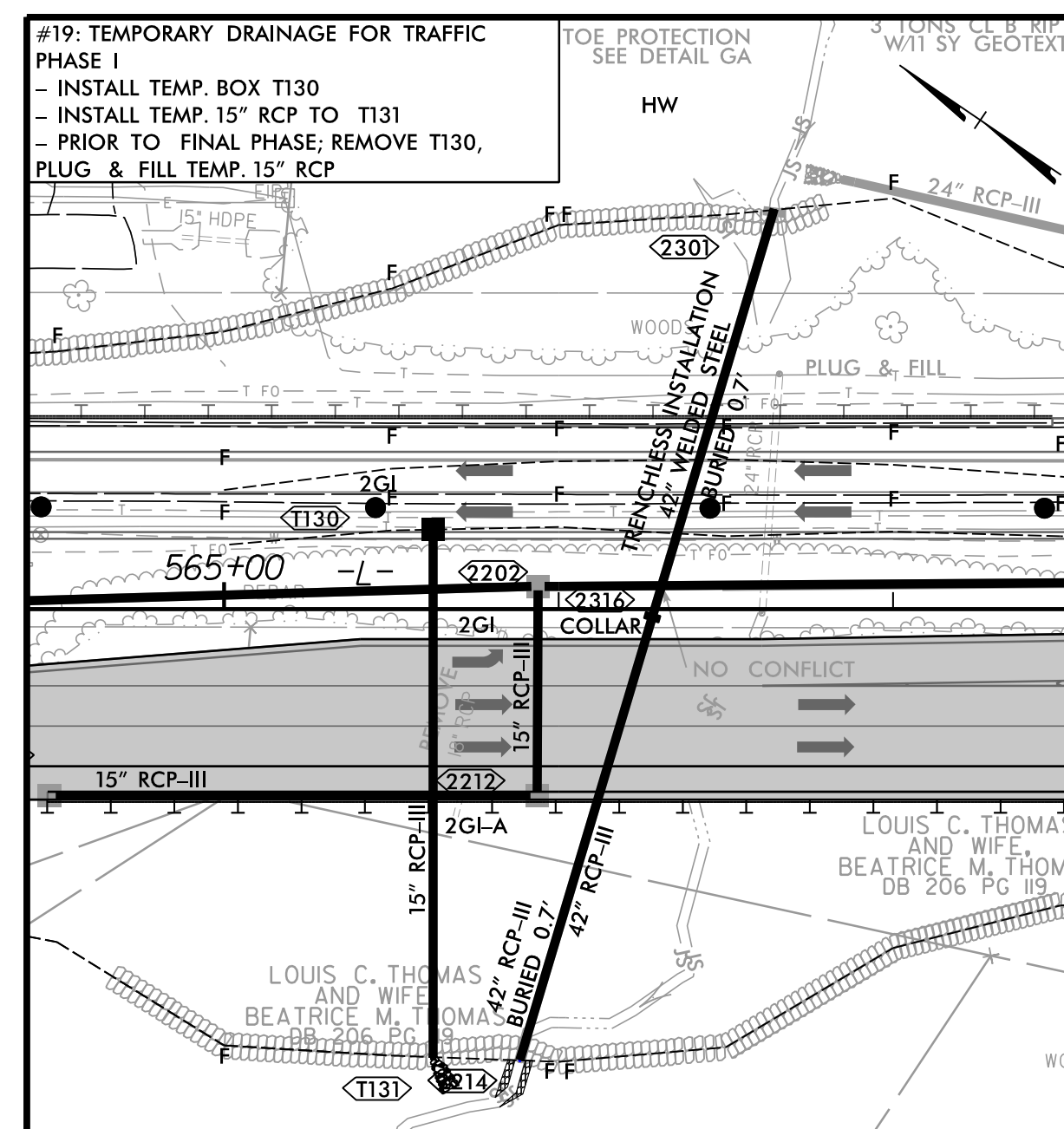
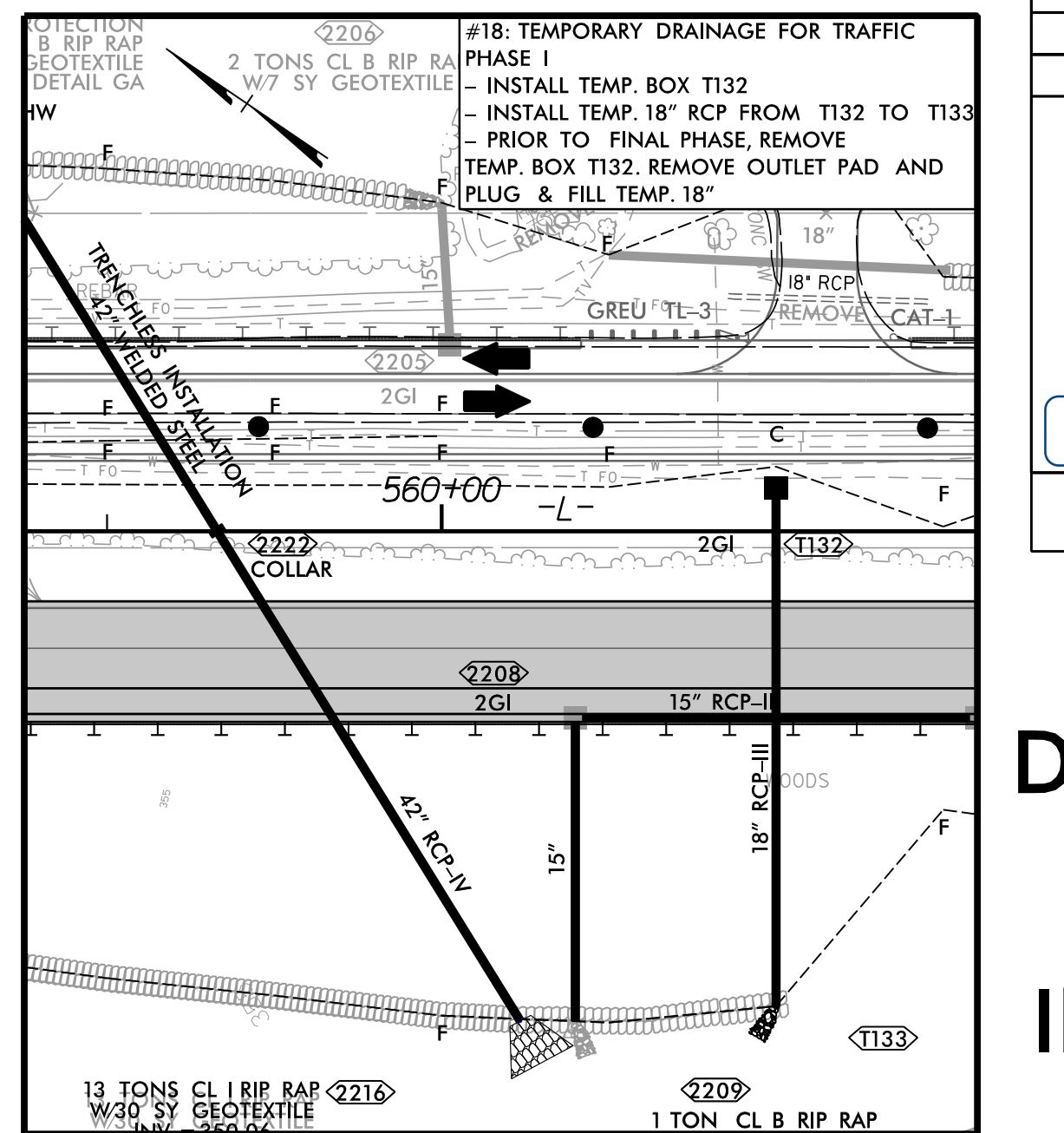
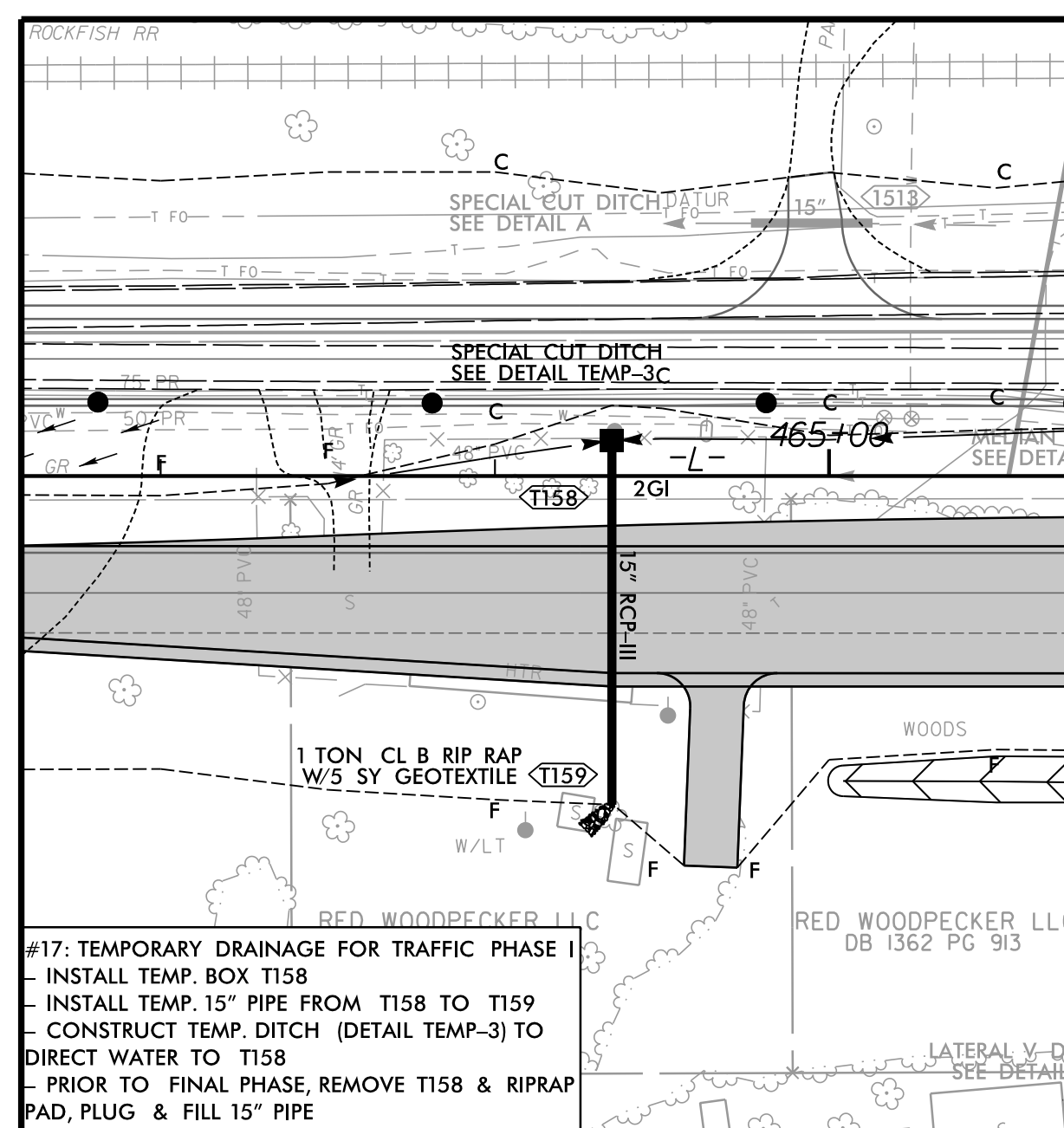
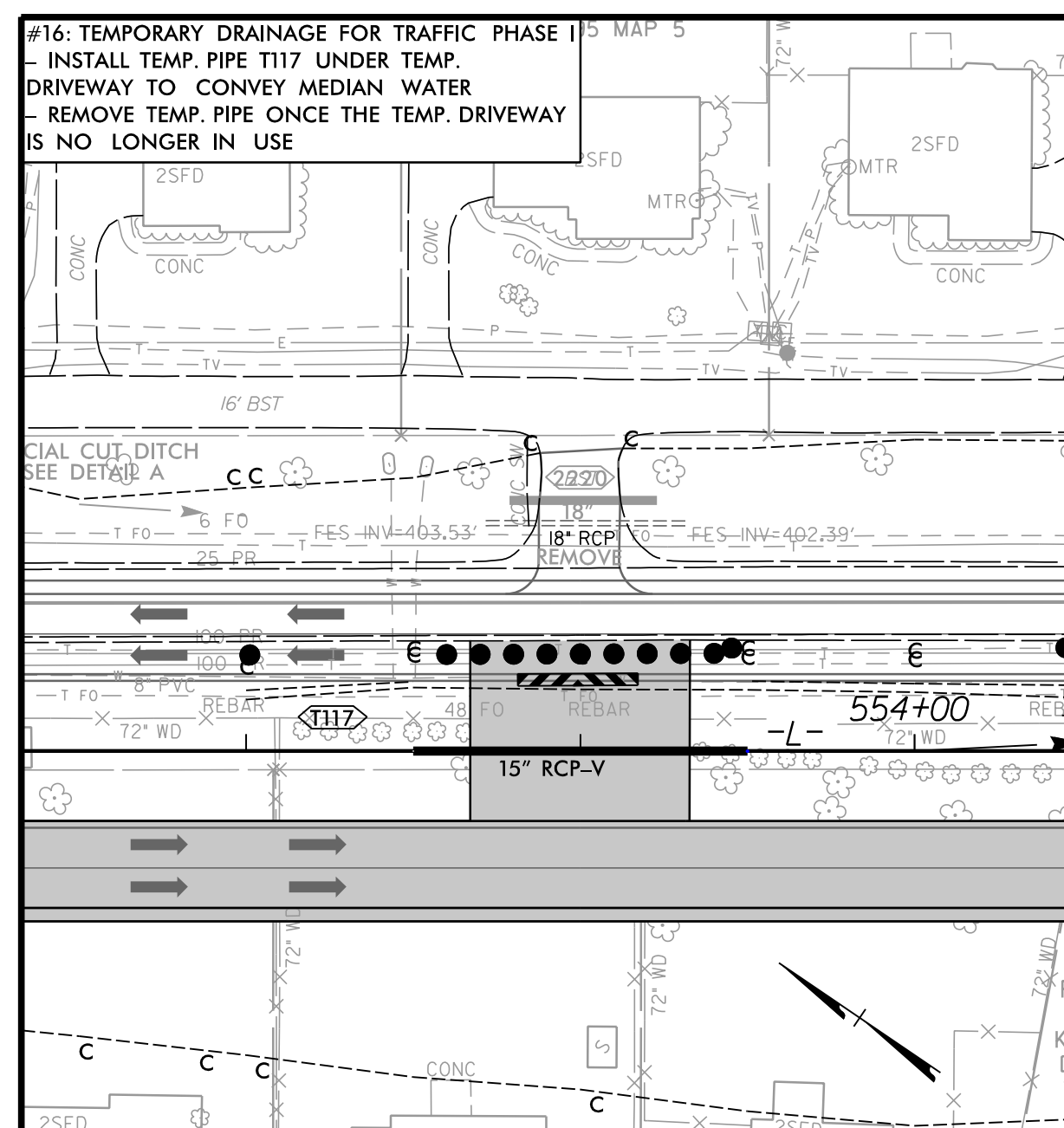
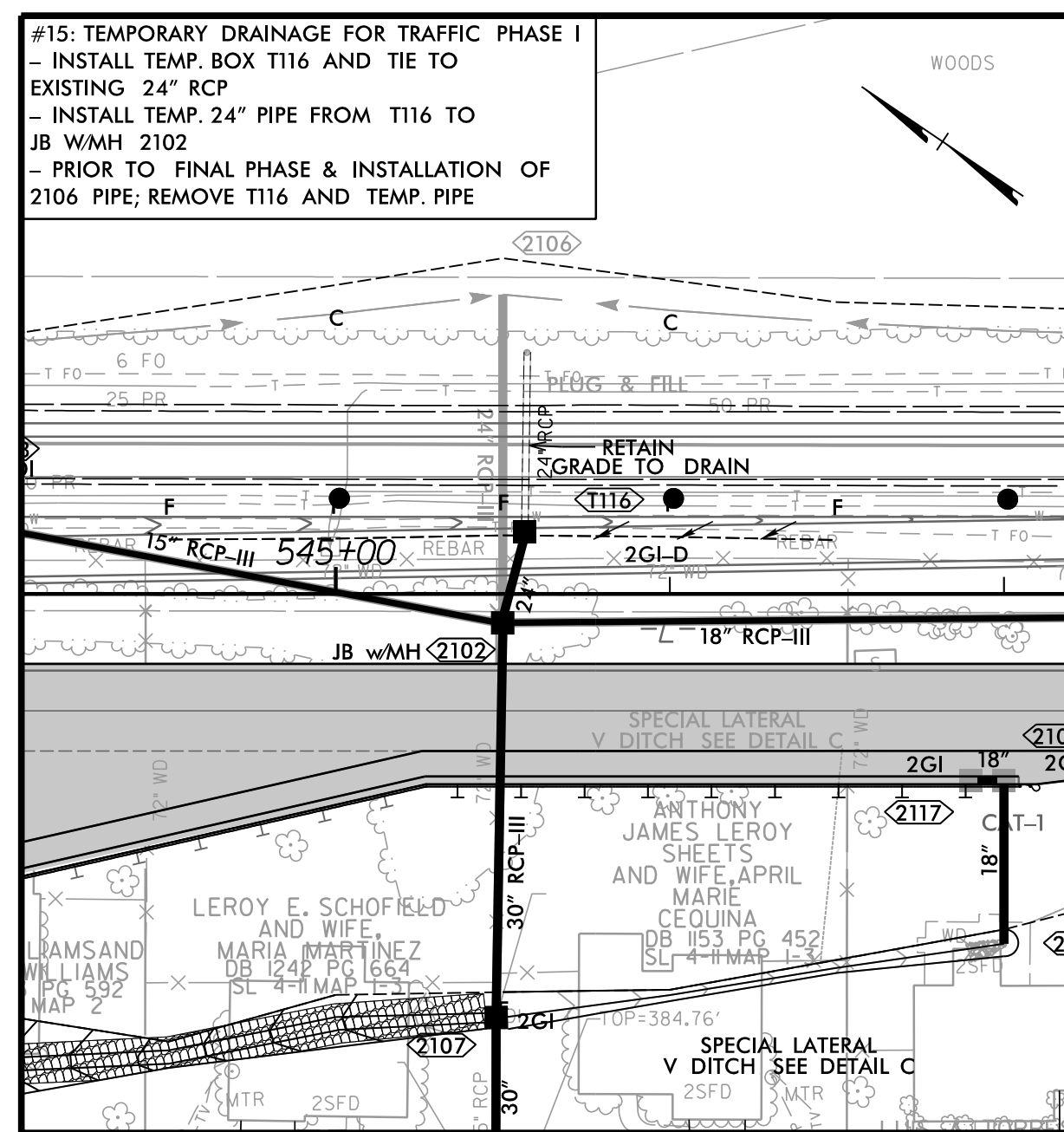
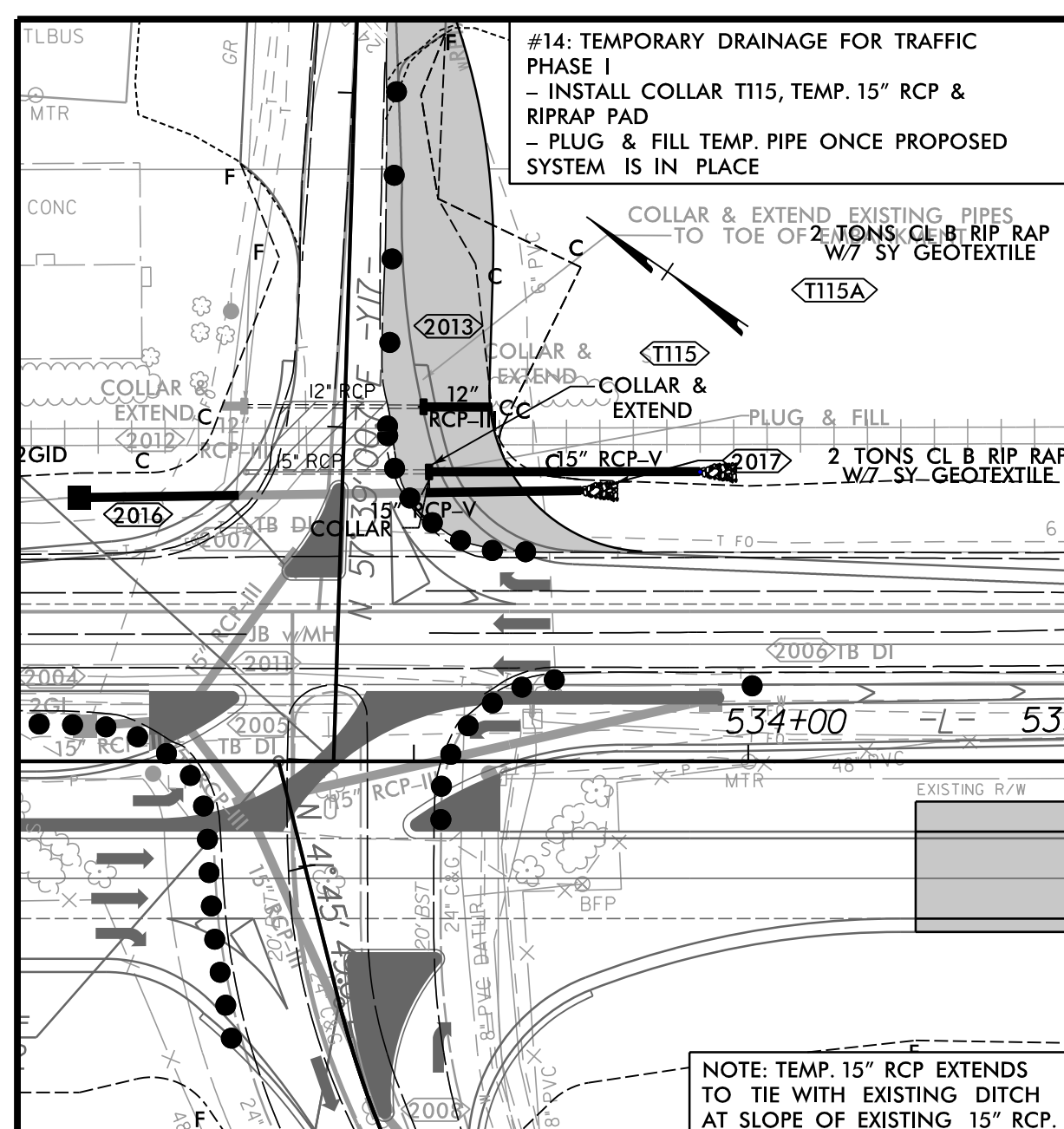
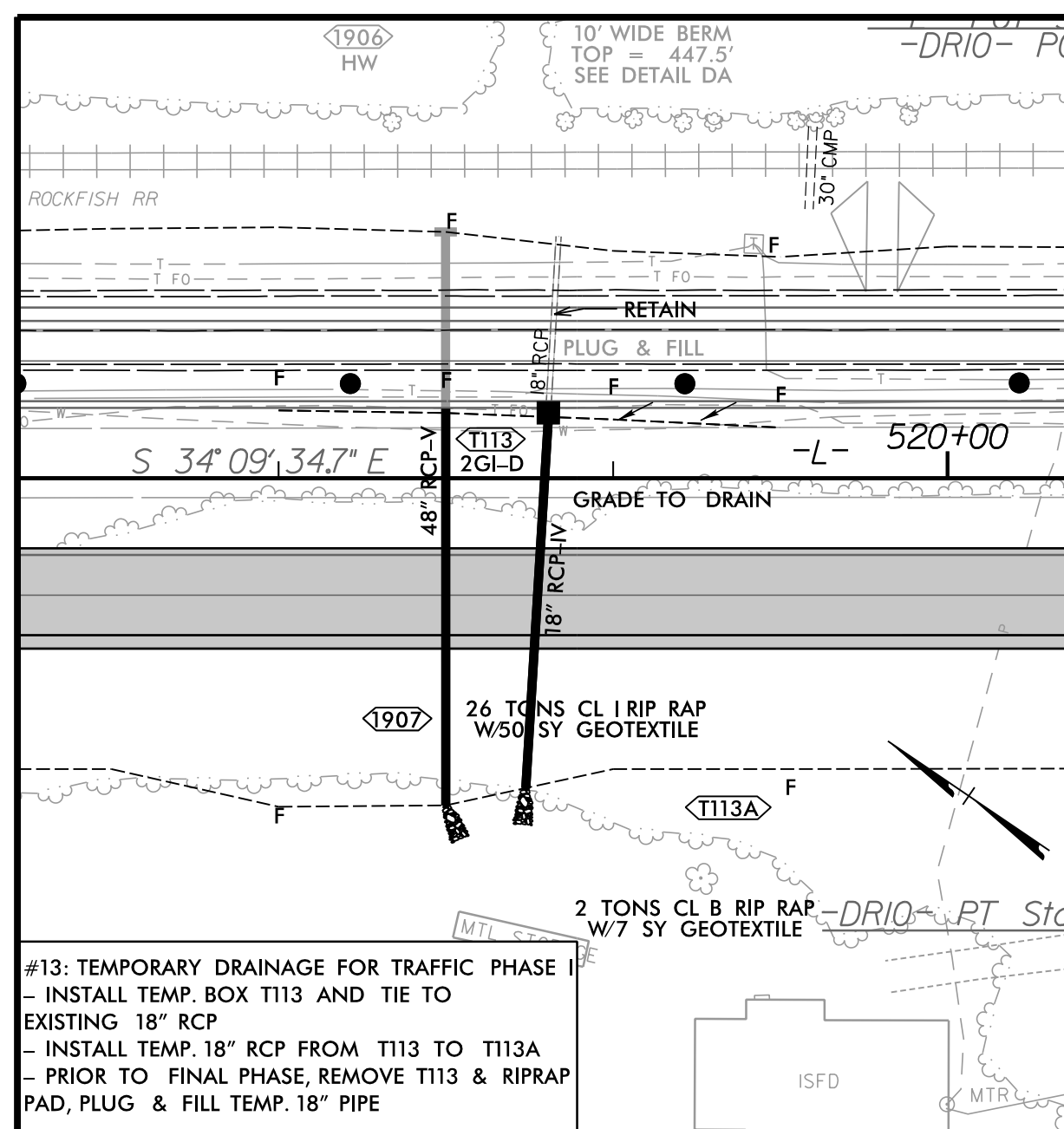
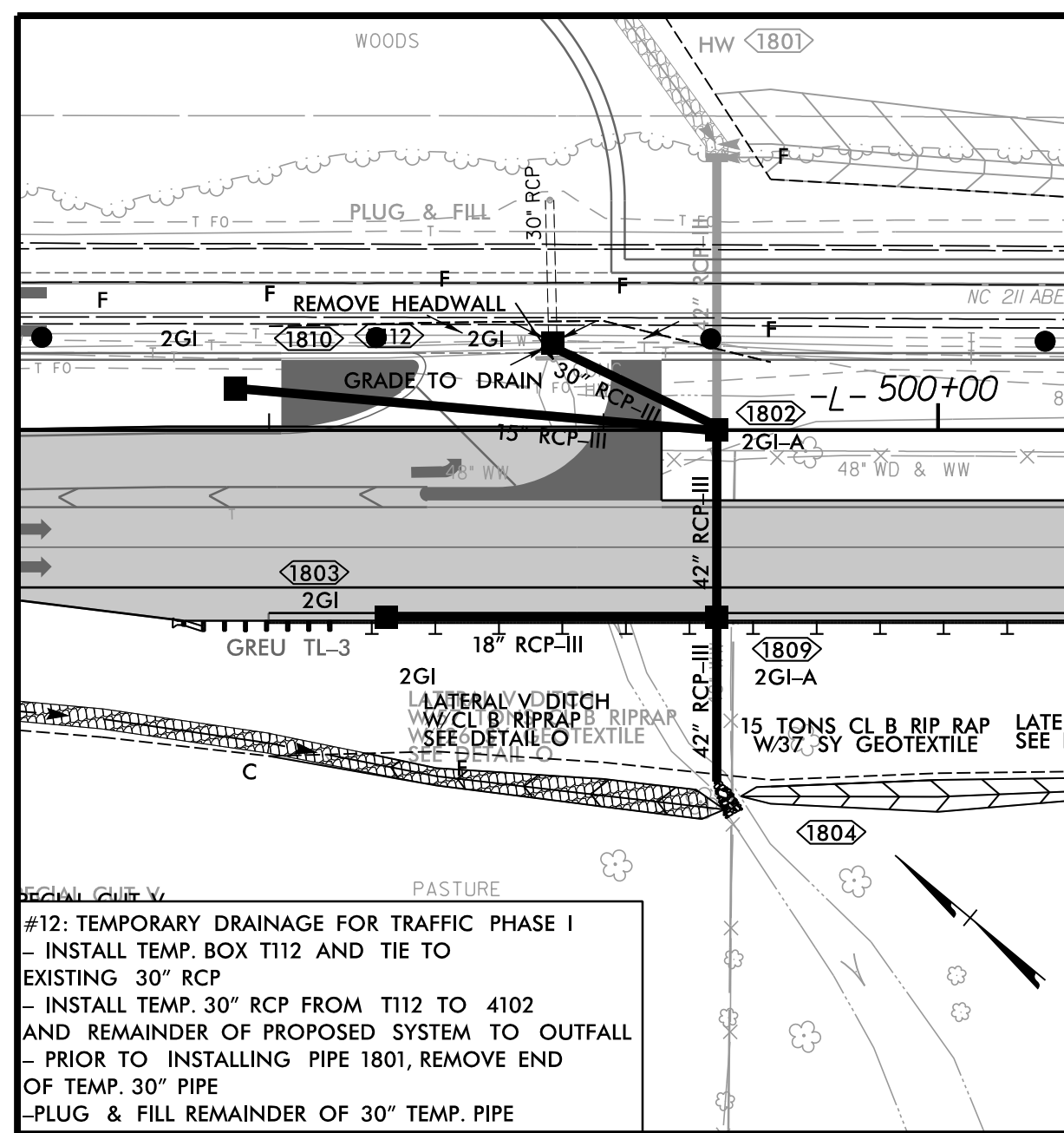
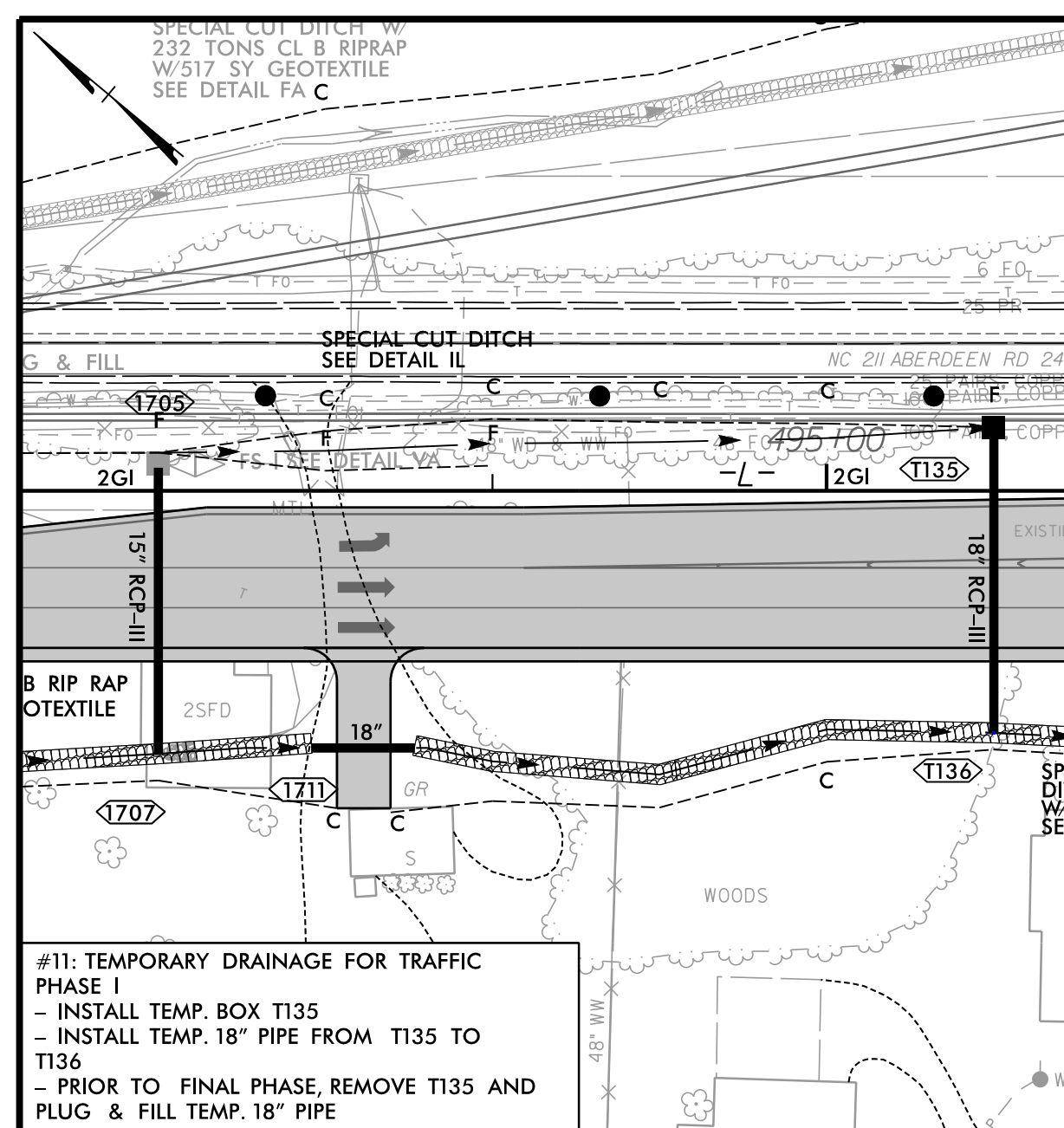
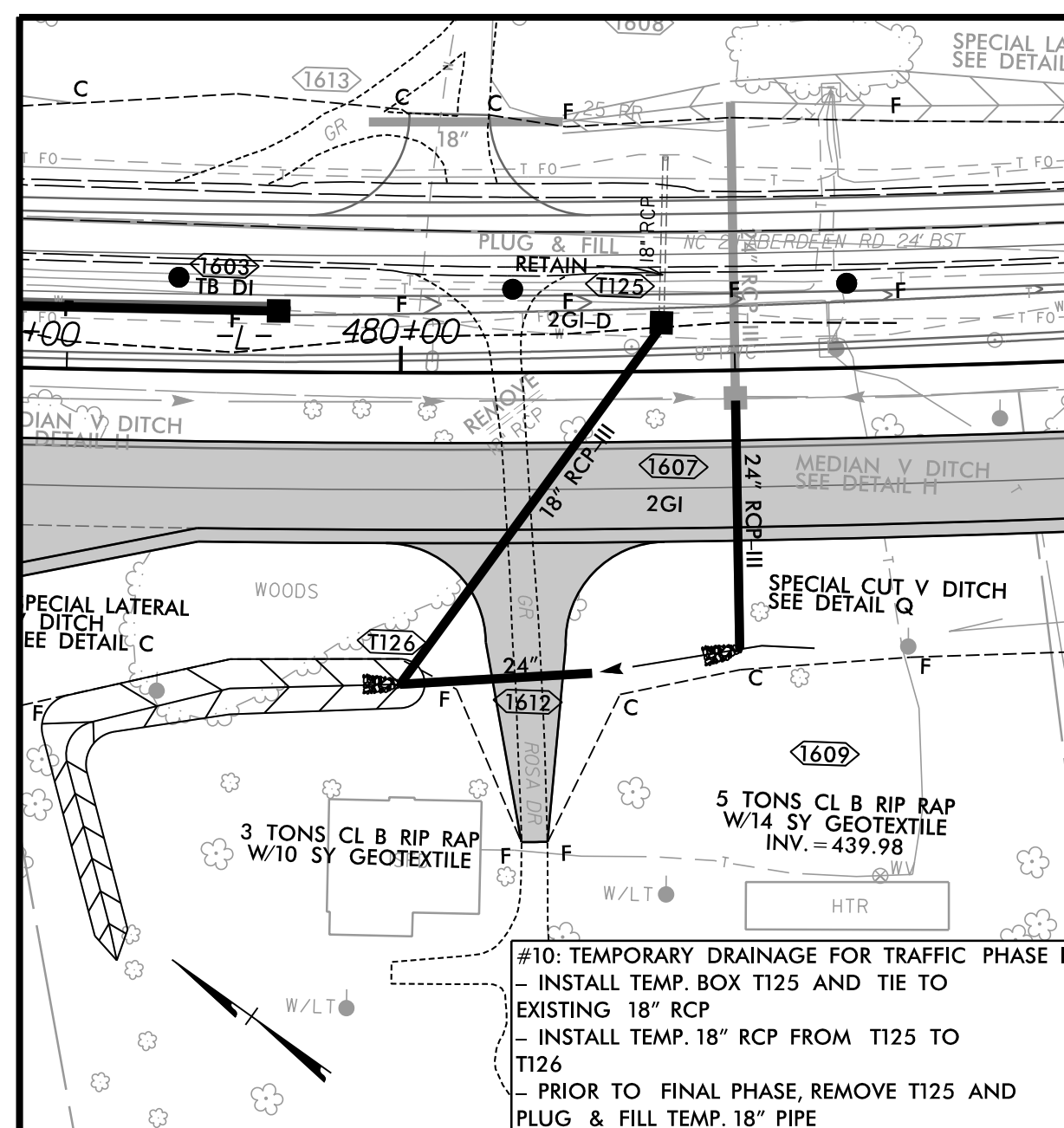
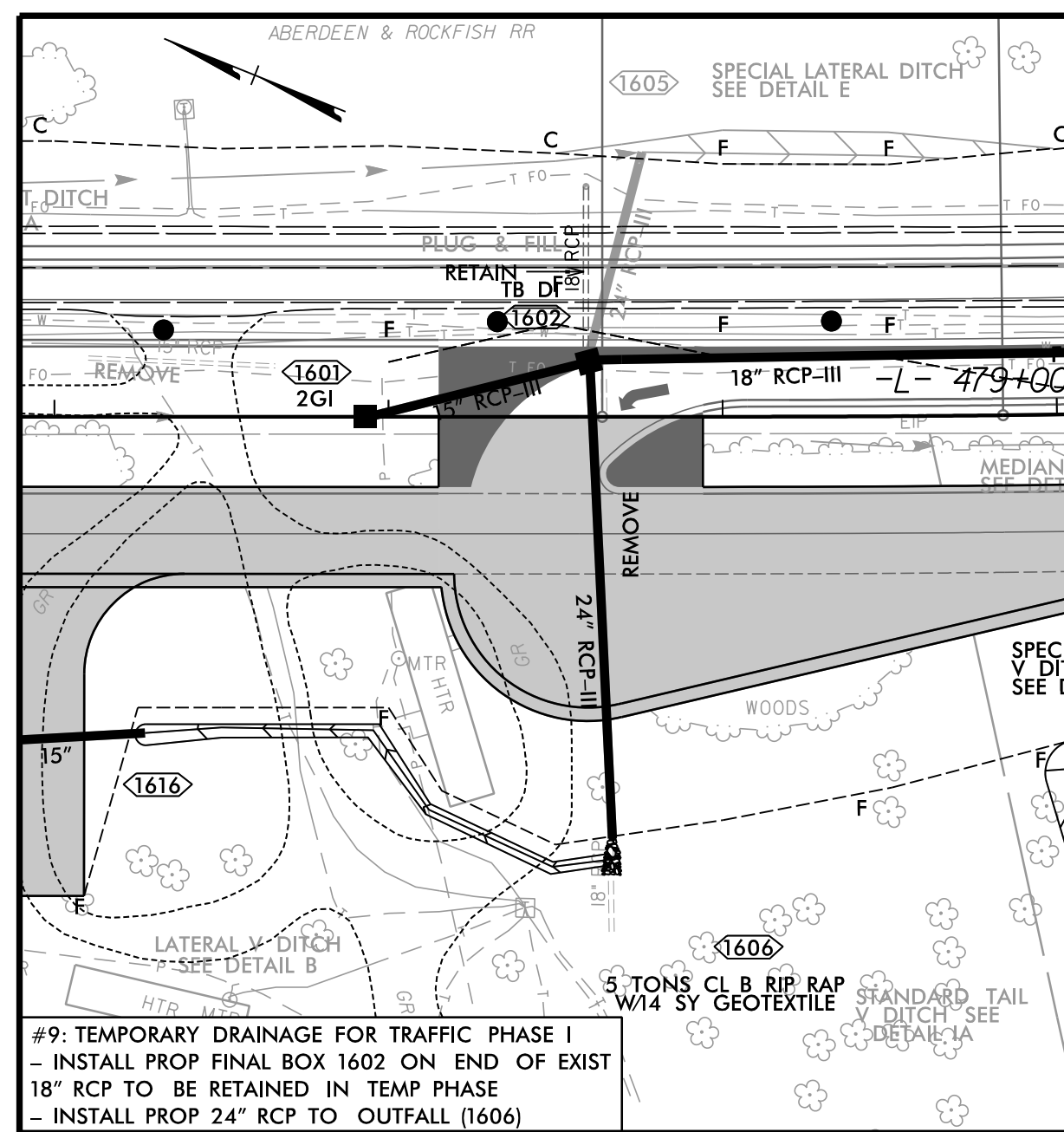
TEMPORARY DRAINAGE PIPE LOCATION DETAILS FOR INFORMATION USE

- TEMPORARY DRAINAGE /PERMANENT DRAINAGE TO BE CONSTRUCTED AND/OR UTILIZED WHILE IN THE TRAFFIC PHASE INDICATED
- PROPOSED DRAINAGE FOR FINAL CONDITION



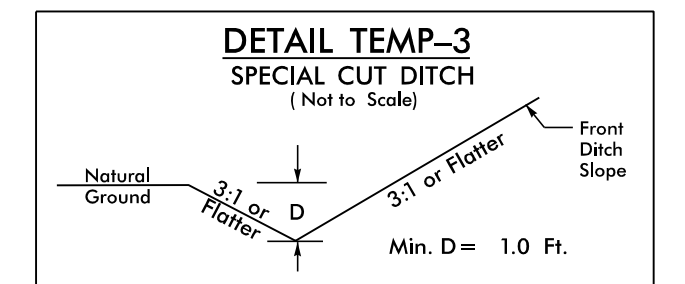
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P: (919) 878-9550
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PROJECT REFERENCE NO. R-5709C		SHEET NO. 2B-20	
RW SHEET NO. ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

TEMPORARY DRAINAGE PIPE LOCATION DETAILS FOR INFORMATION USE

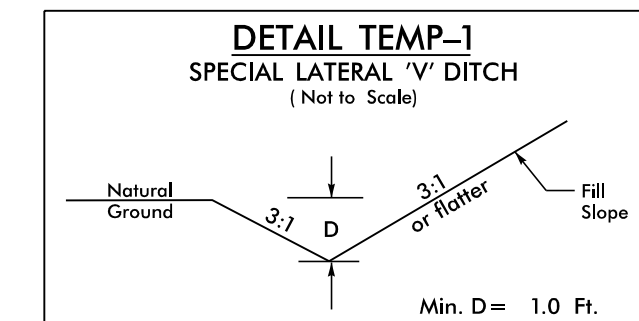
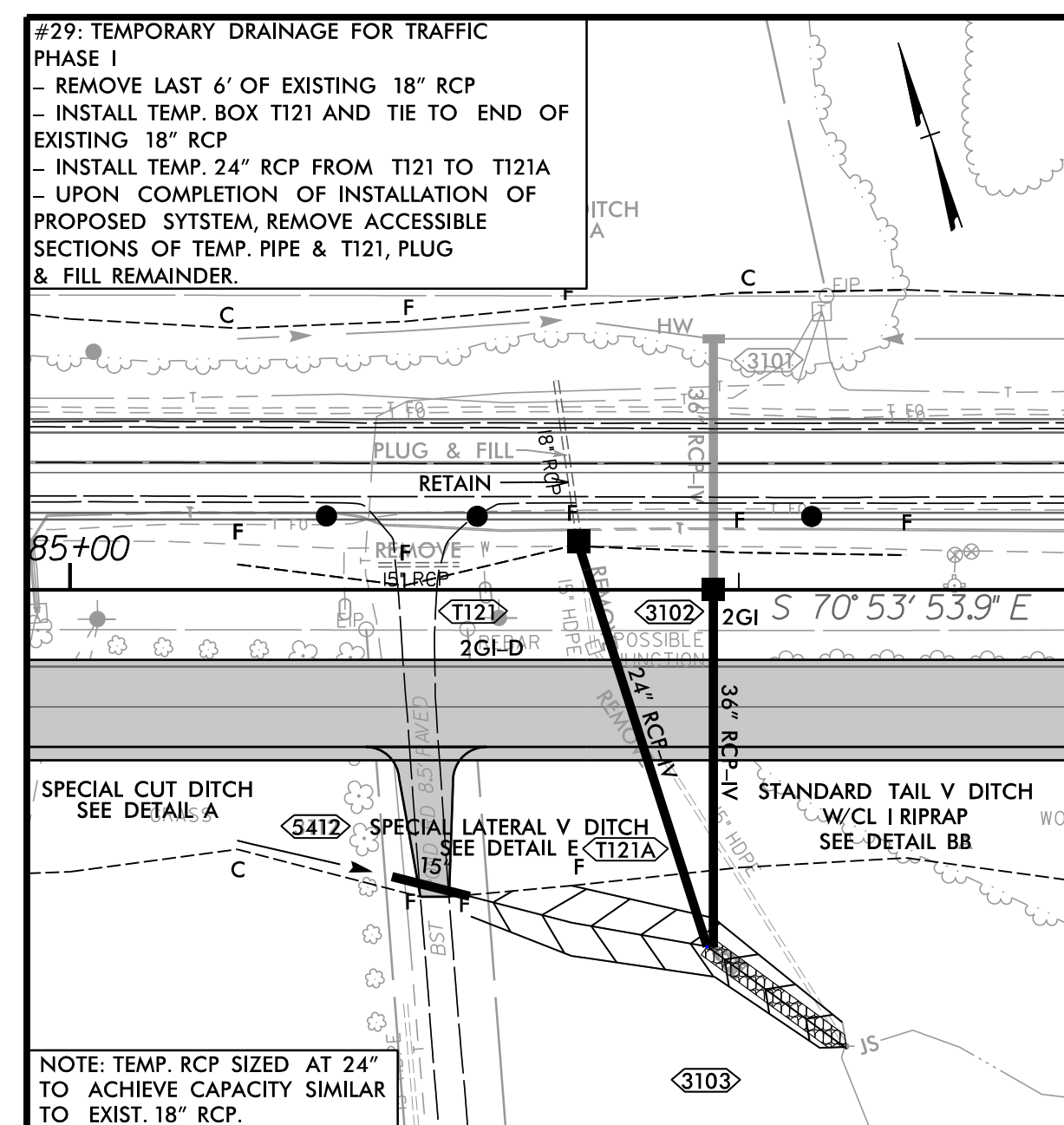
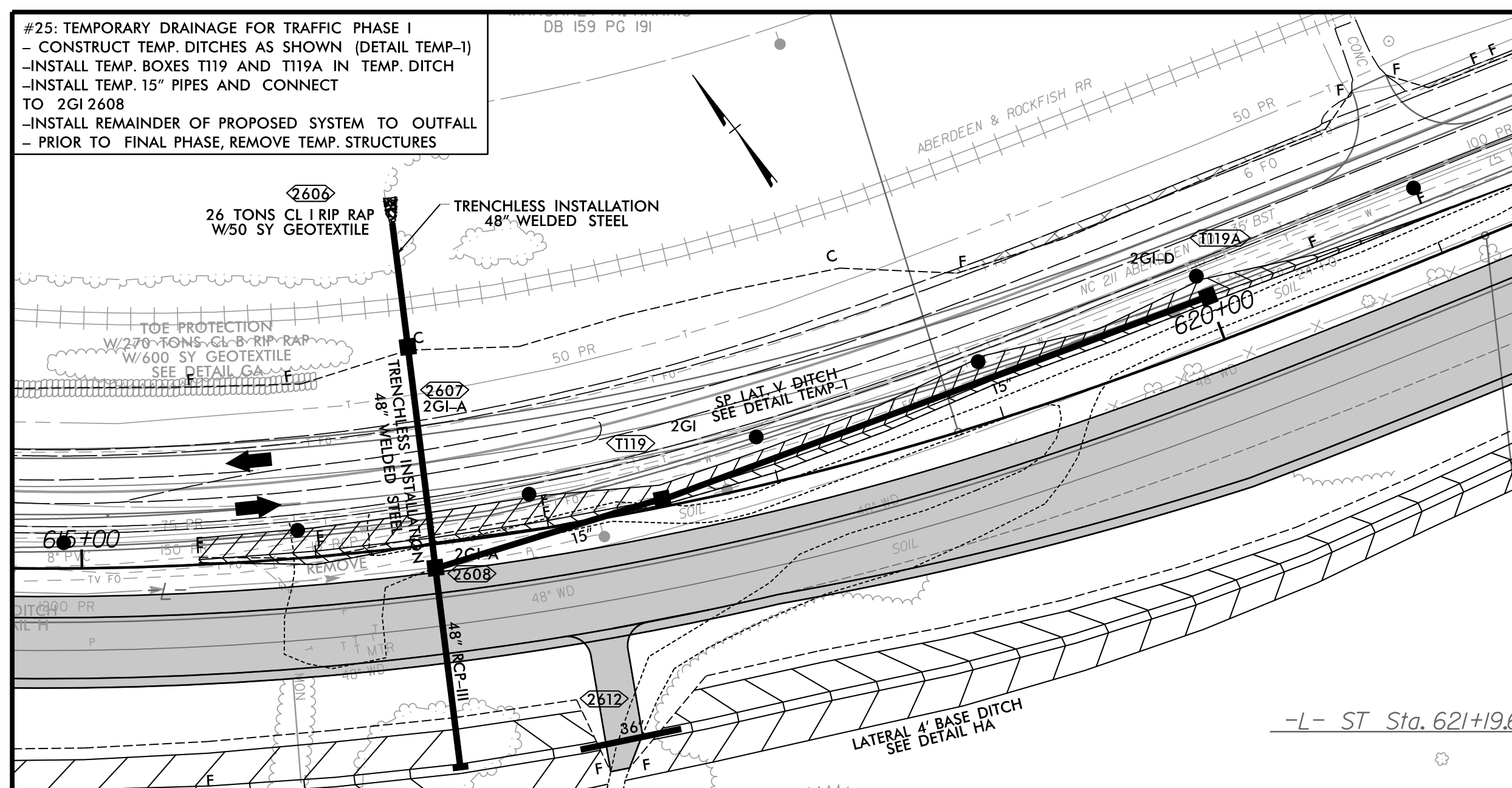
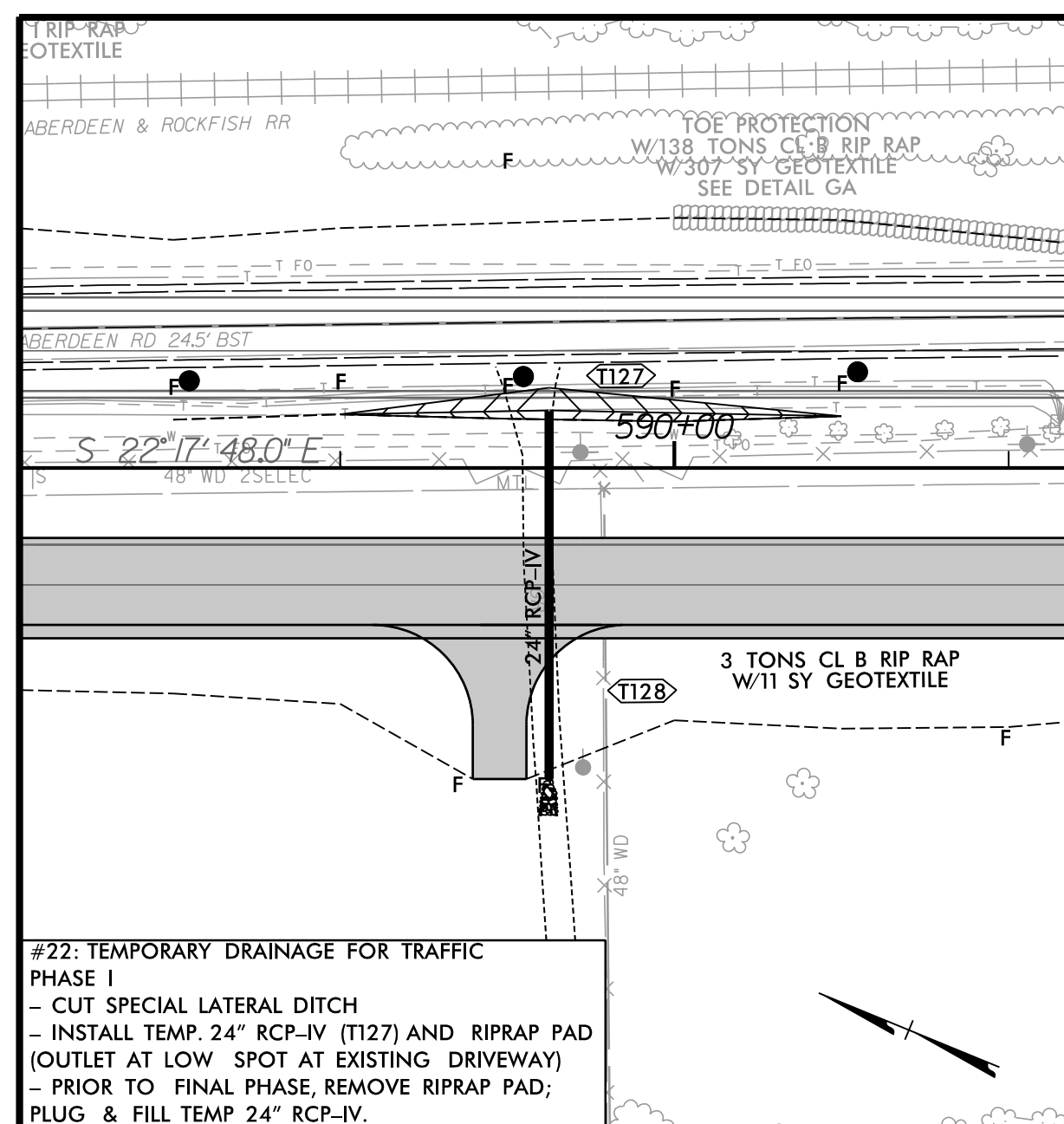
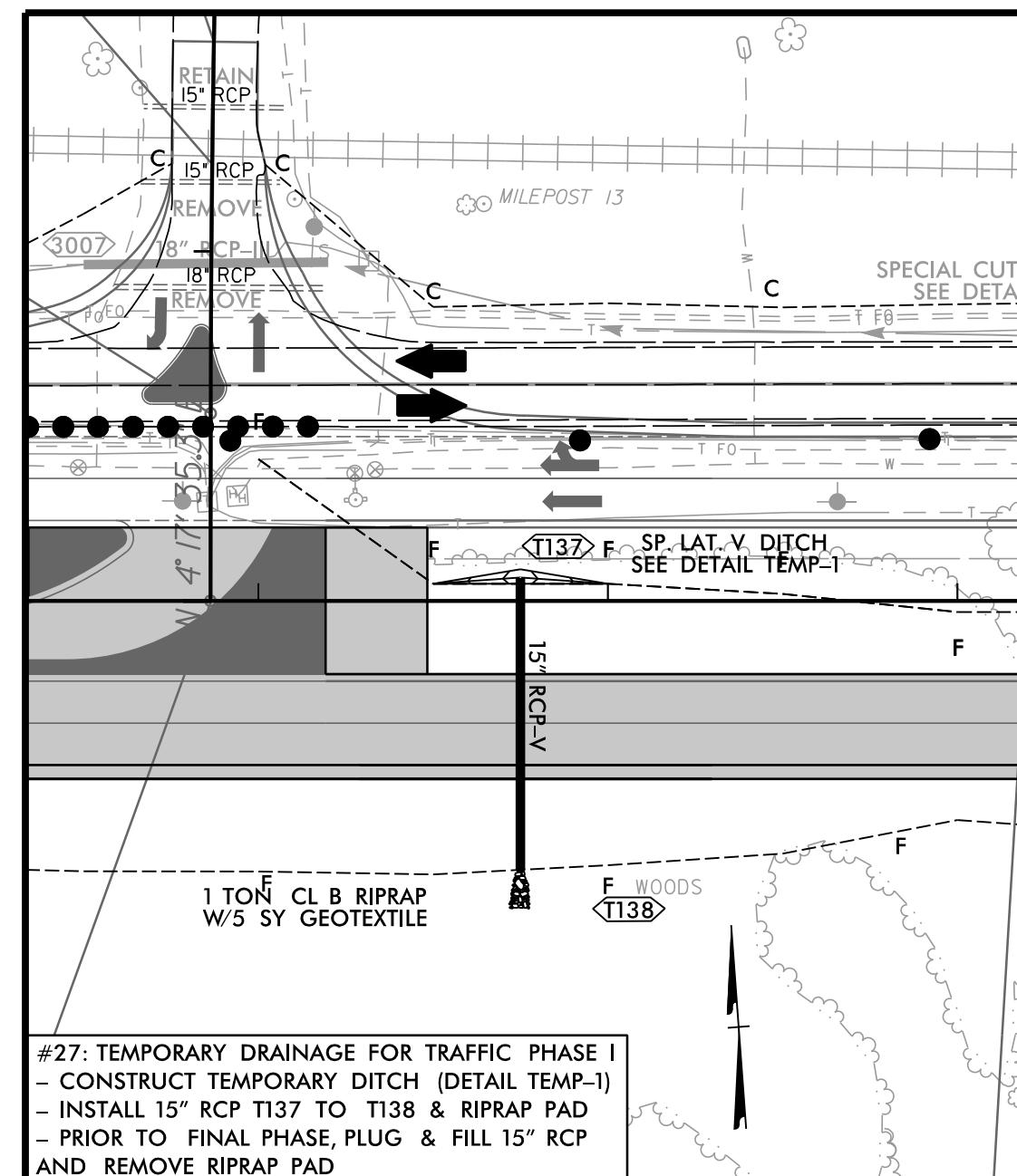
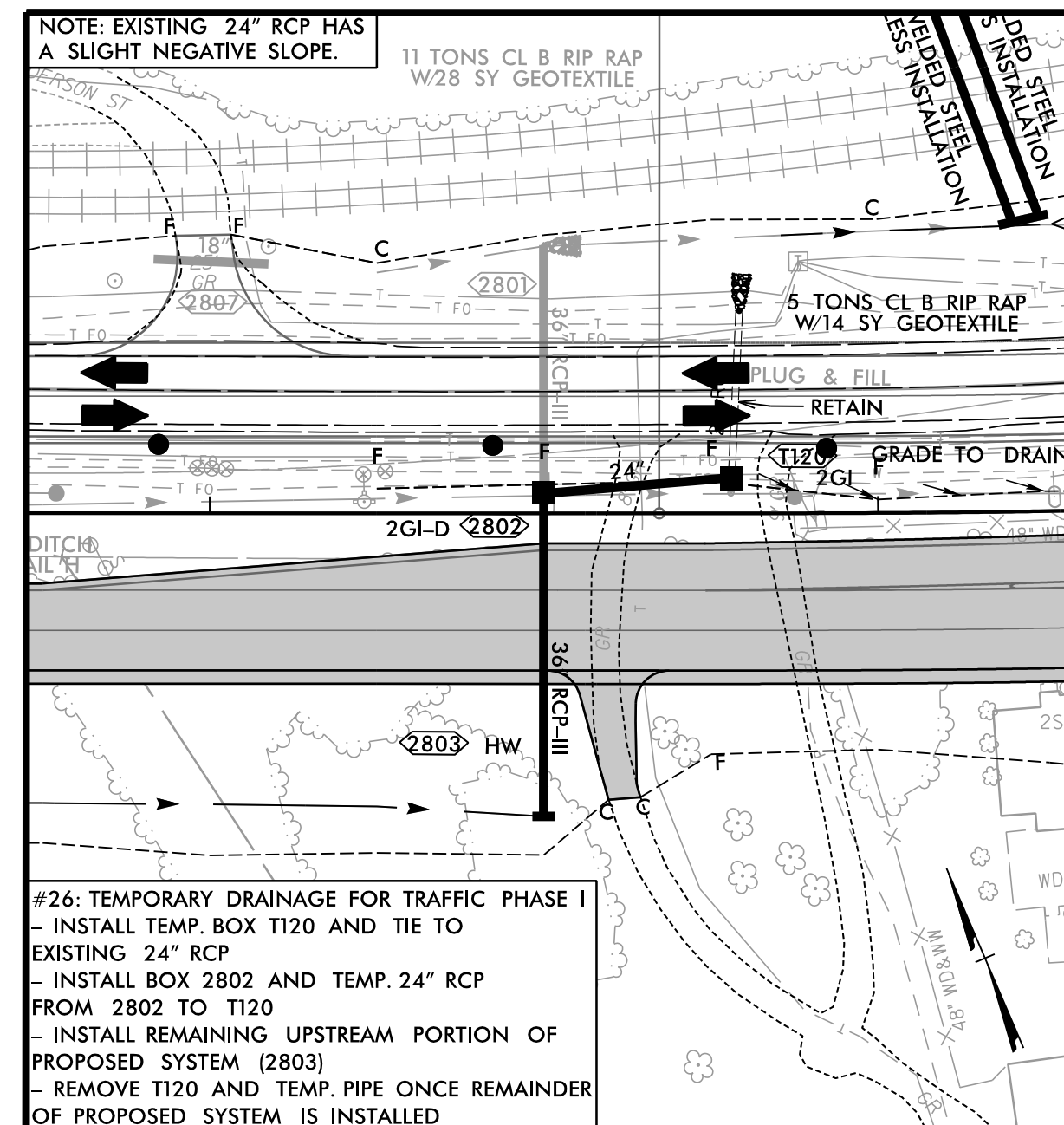
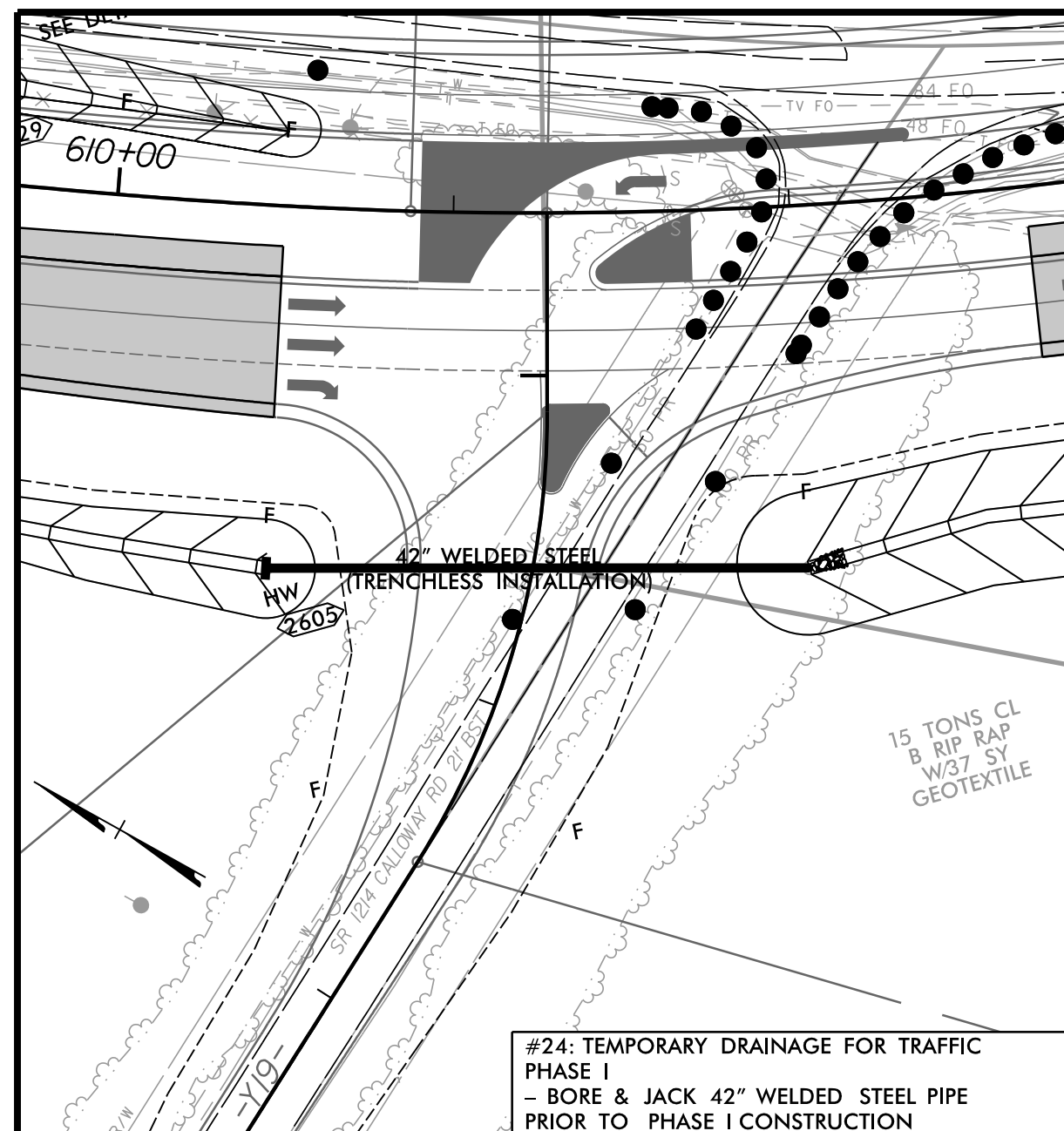
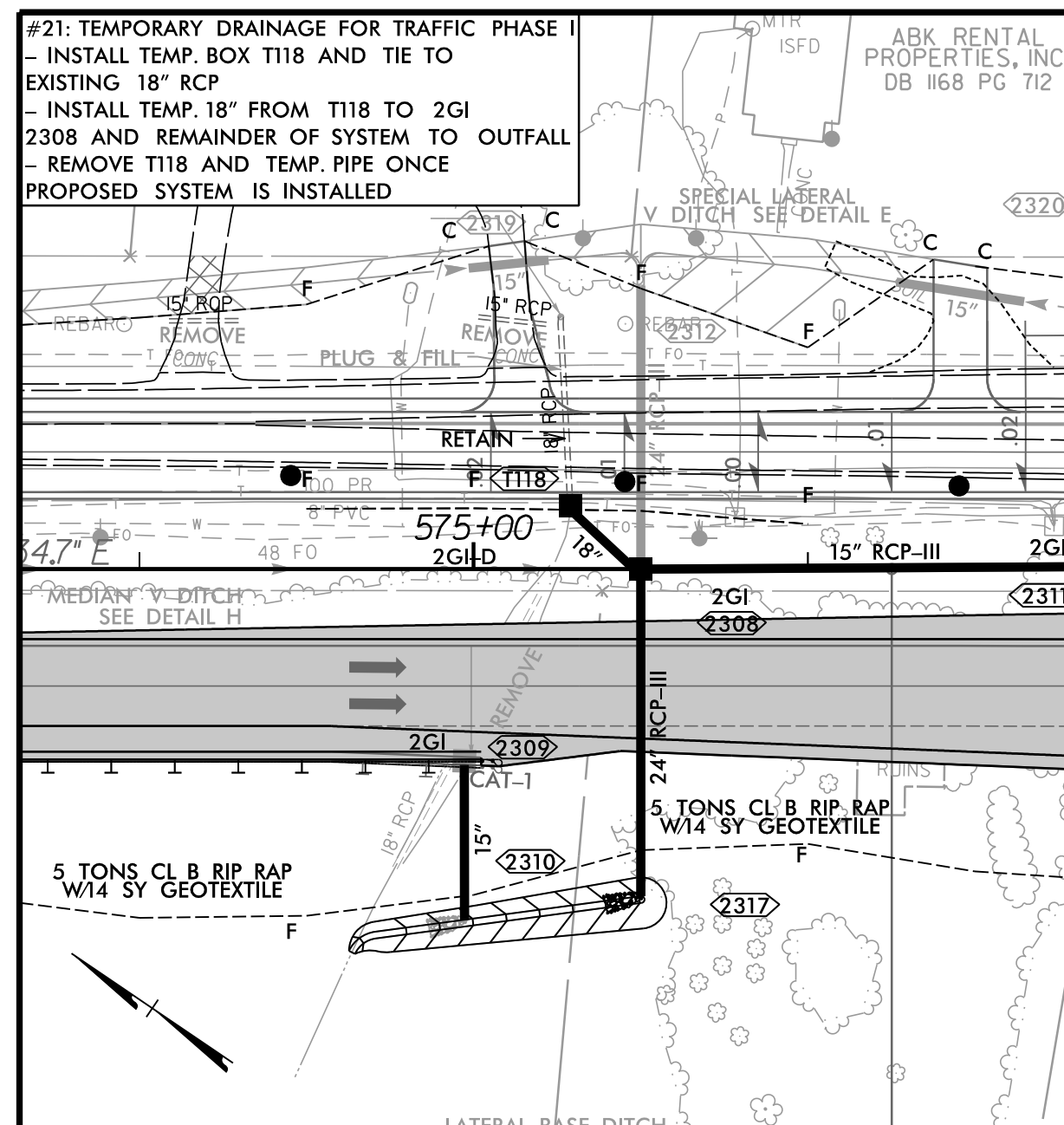


-L- (TEMP) FROM STA. 463+50 TO 464+35 LT
 BEGIN ELEV = 453.22', END ELEV = 452.00'
 -L- (TEMP) FROM 464+35 TO STA. 466+00 LT
 BEGIN ELEV = 452.00', END ELEV = 453.52'
 -L- (TEMP) FROM STA. 648+00 TO STA. 648+50 LT
 BEGIN ELEV = 365.58', END ELEV = 365.40'
 -L- (TEMP) FROM STA. 648+50 TO STA. 649+00 LT
 BEGIN ELEV = 365.40', END ELEV = 365.58'

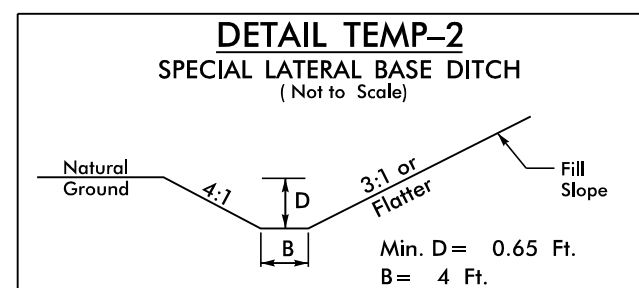
■ TEMPORARY DRAINAGE/
PERMANENT DRAINAGE
TO BE CONSTRUCTED
AND/OR UTILIZED WHILE
IN THE TRAFFIC
PHASE INDICATED

 ■ PROPOSED DRAINAGE
FOR FINAL CONDITION

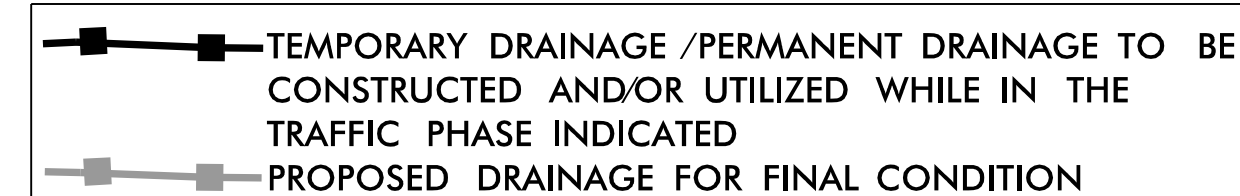
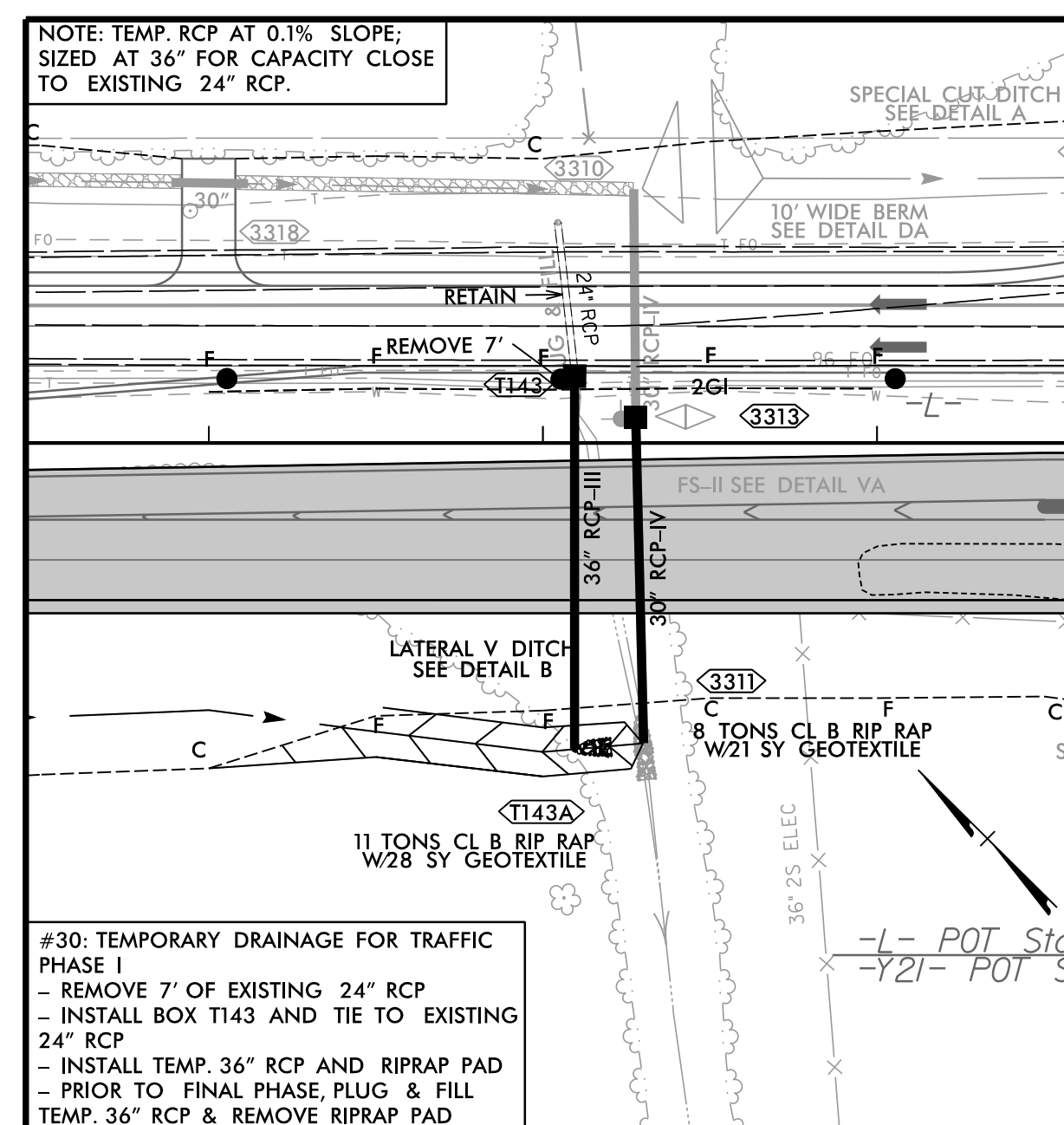
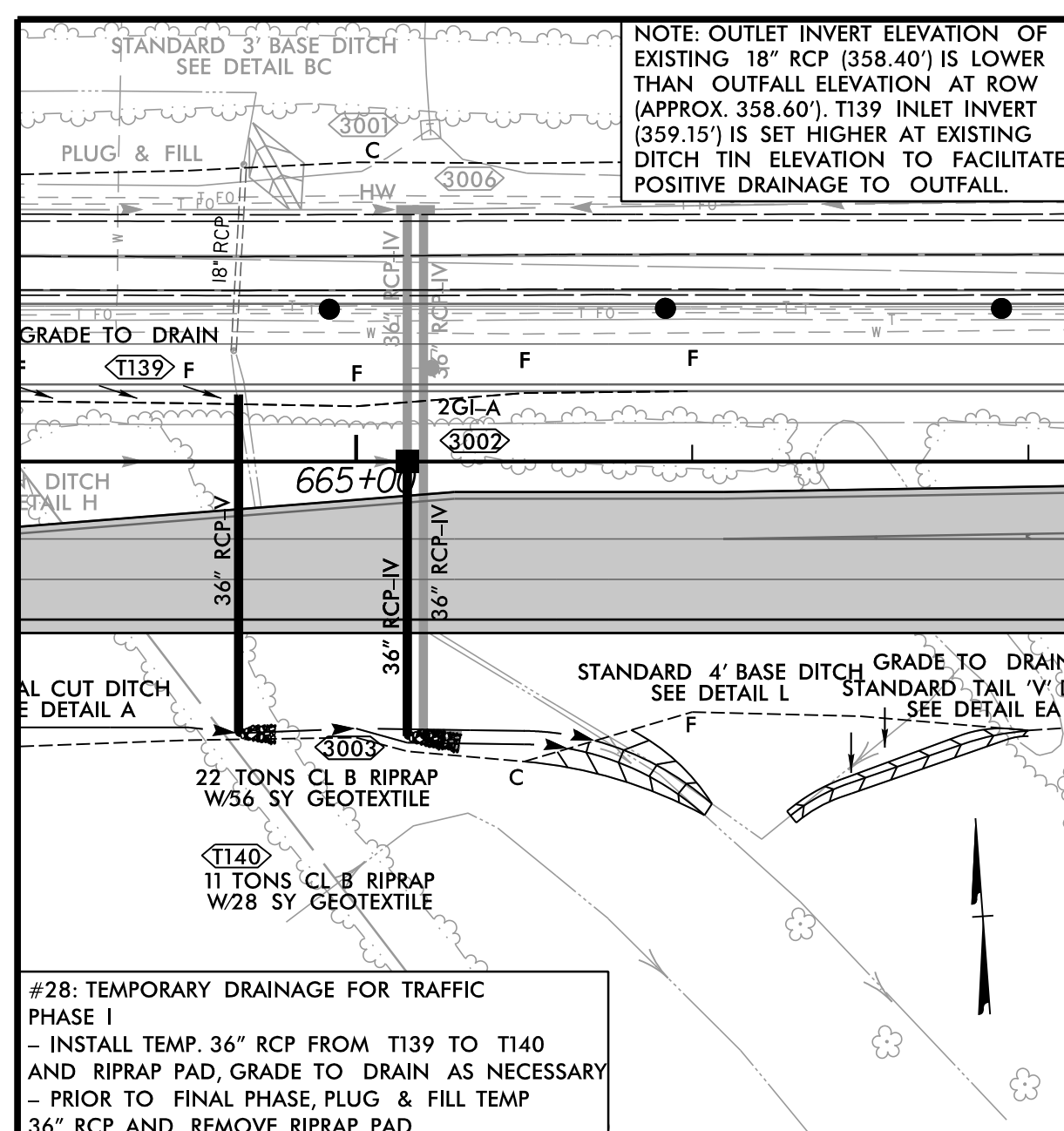
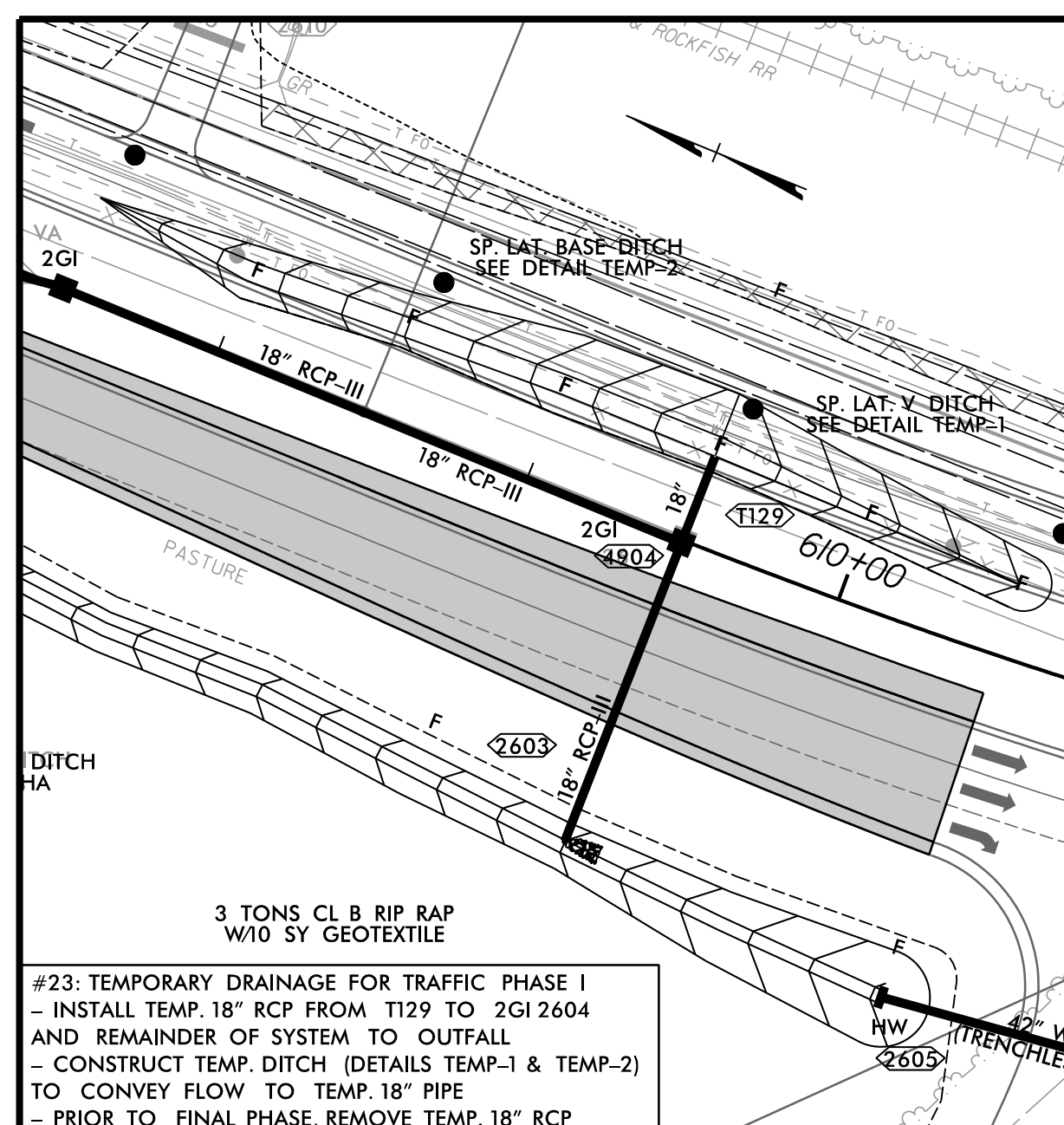




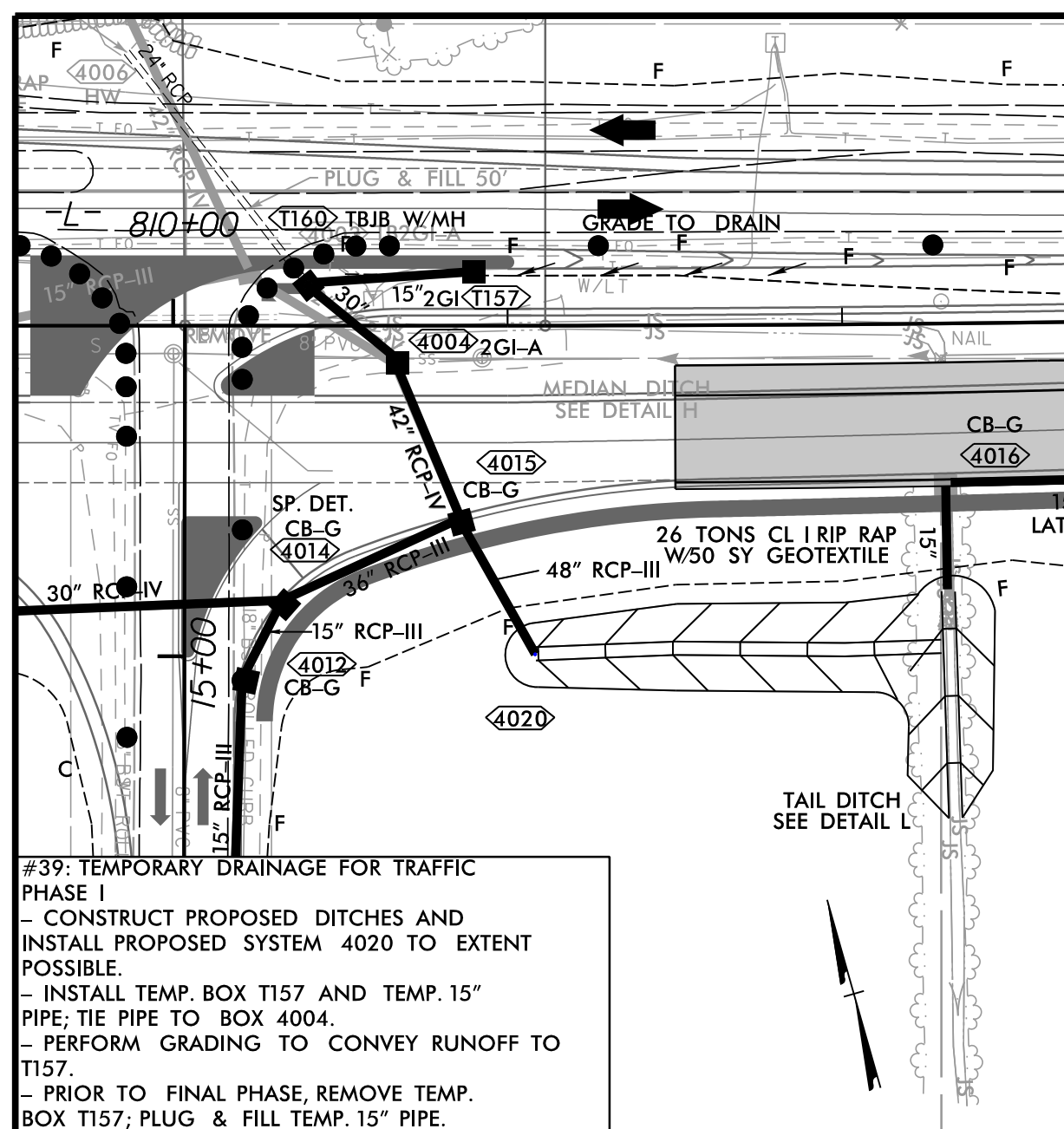
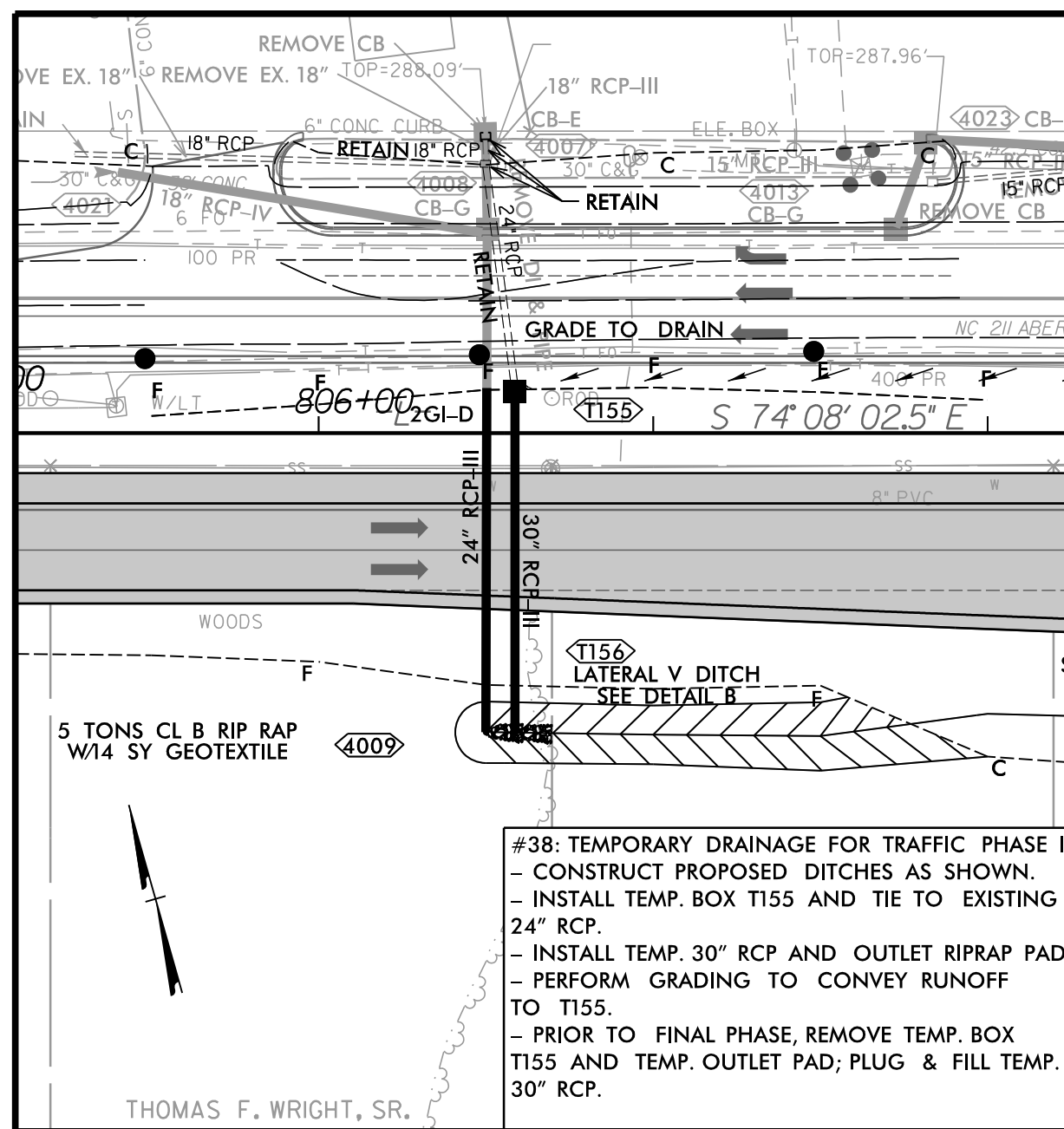
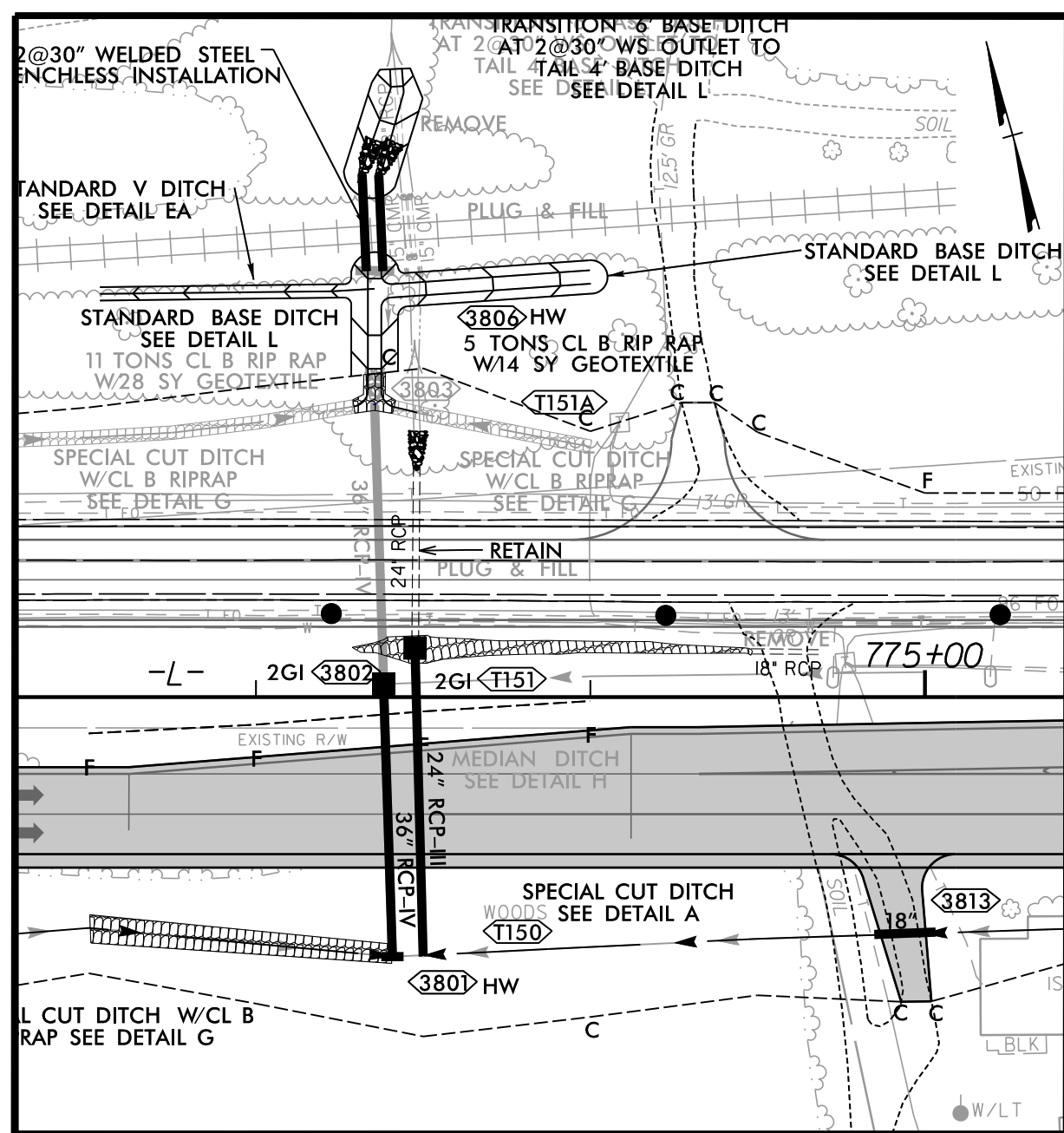
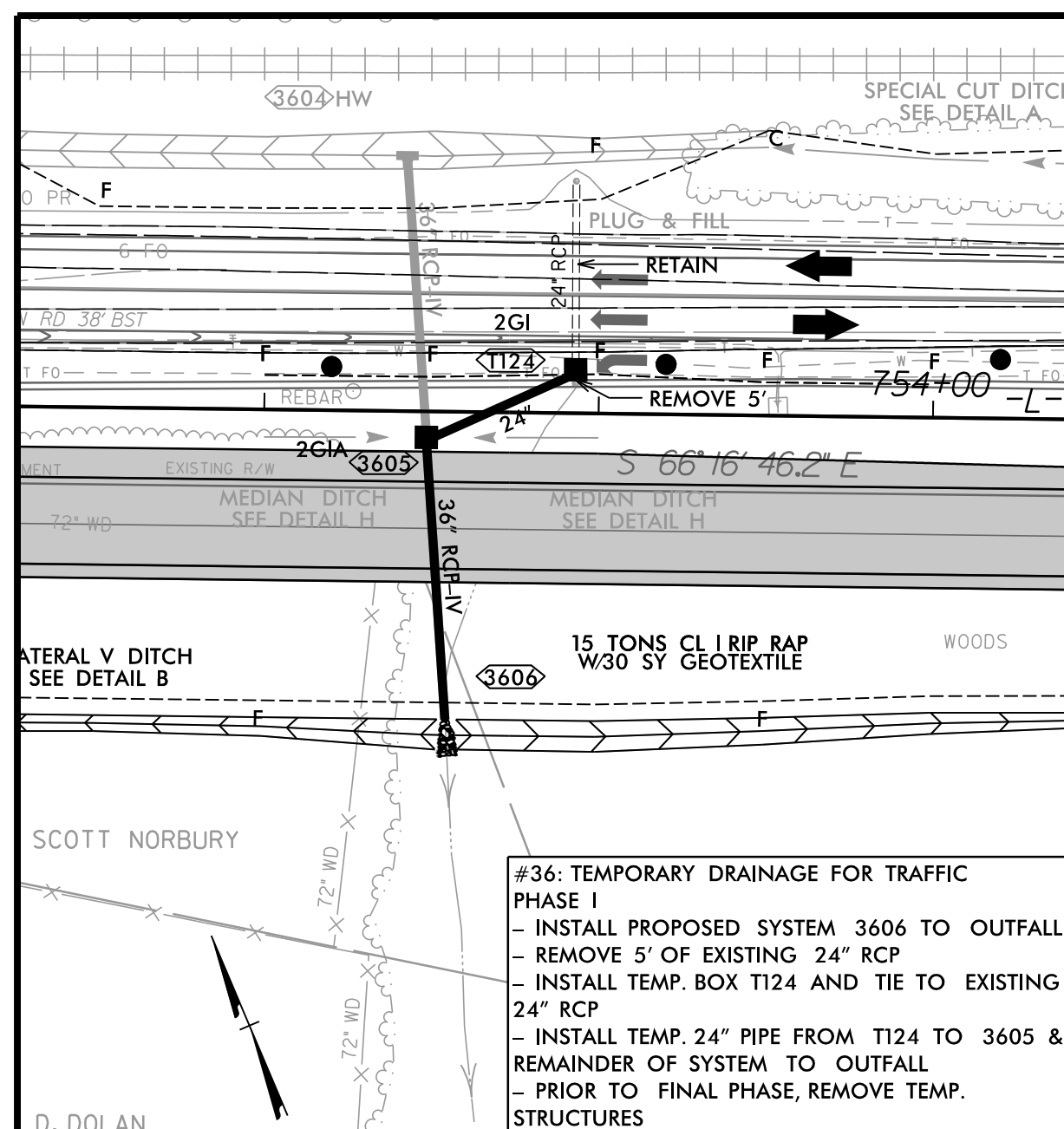
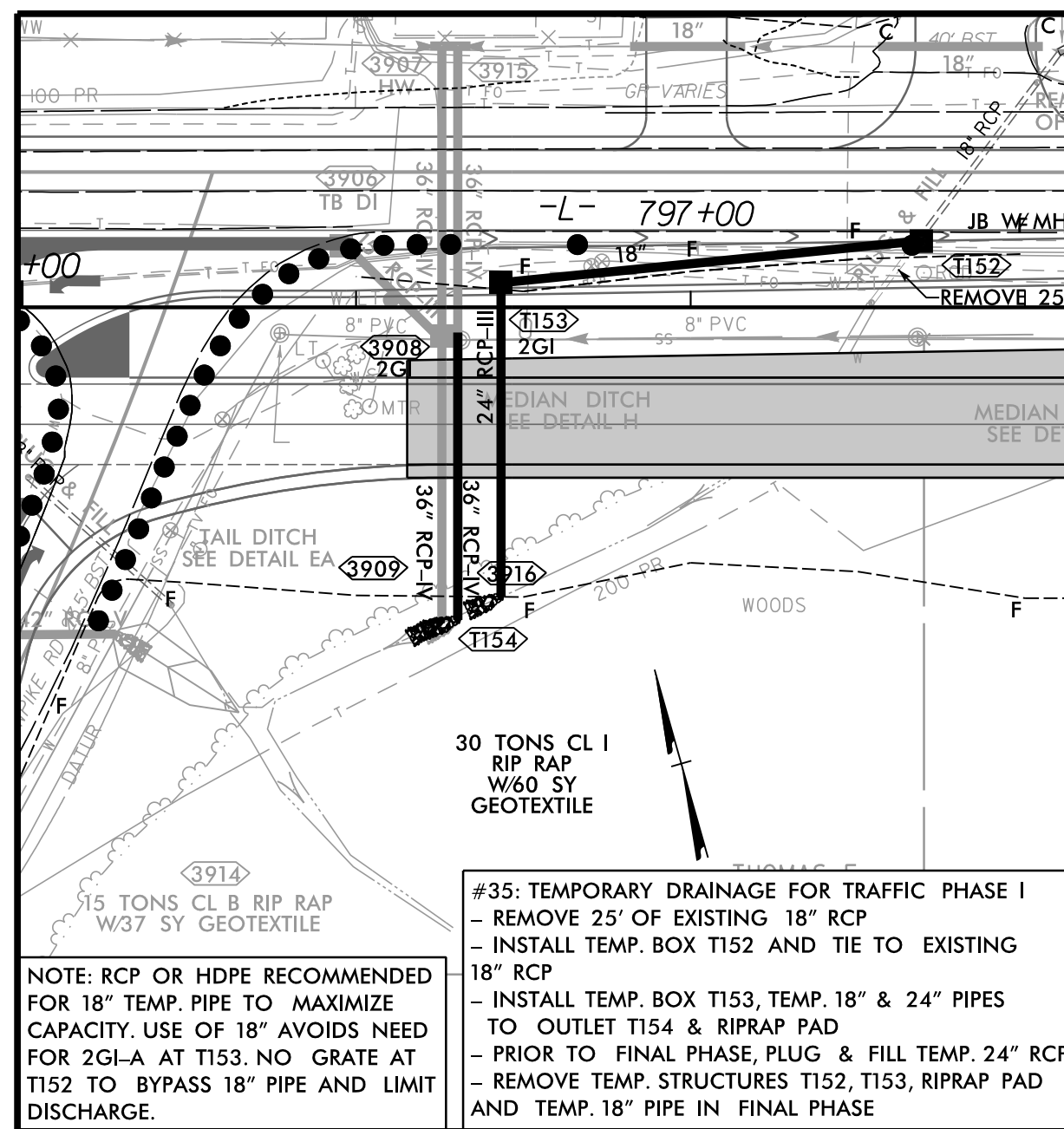
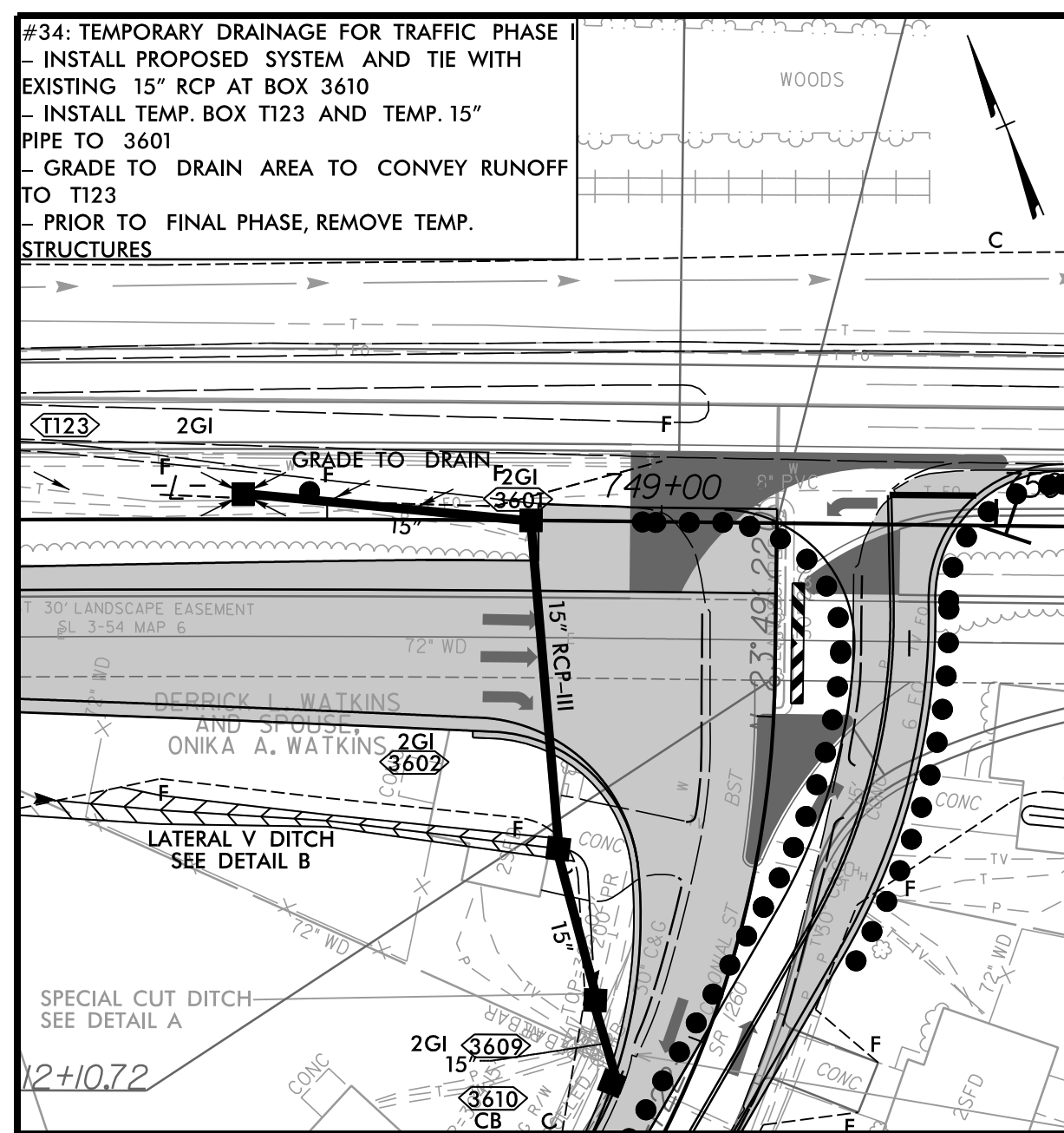
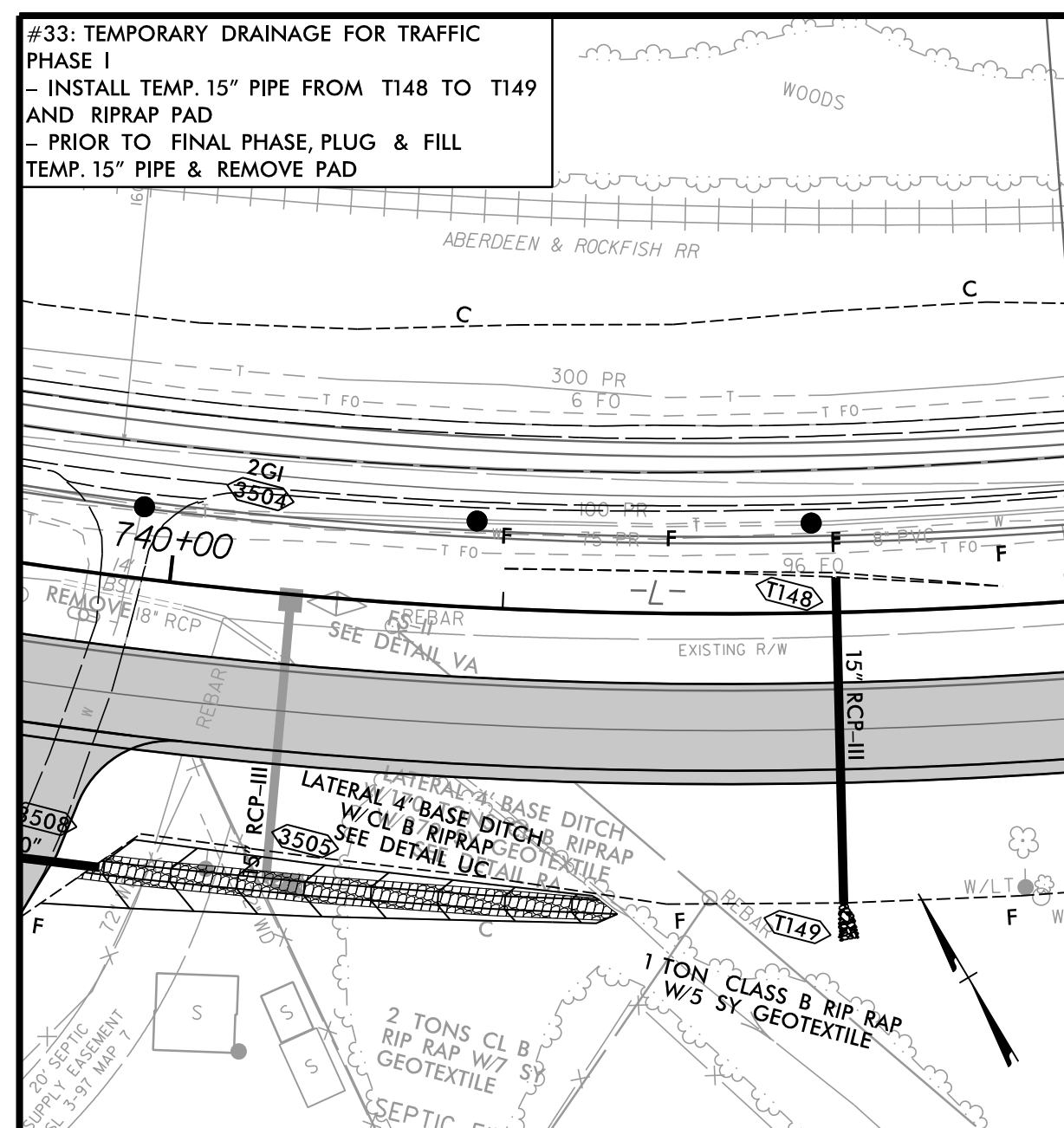
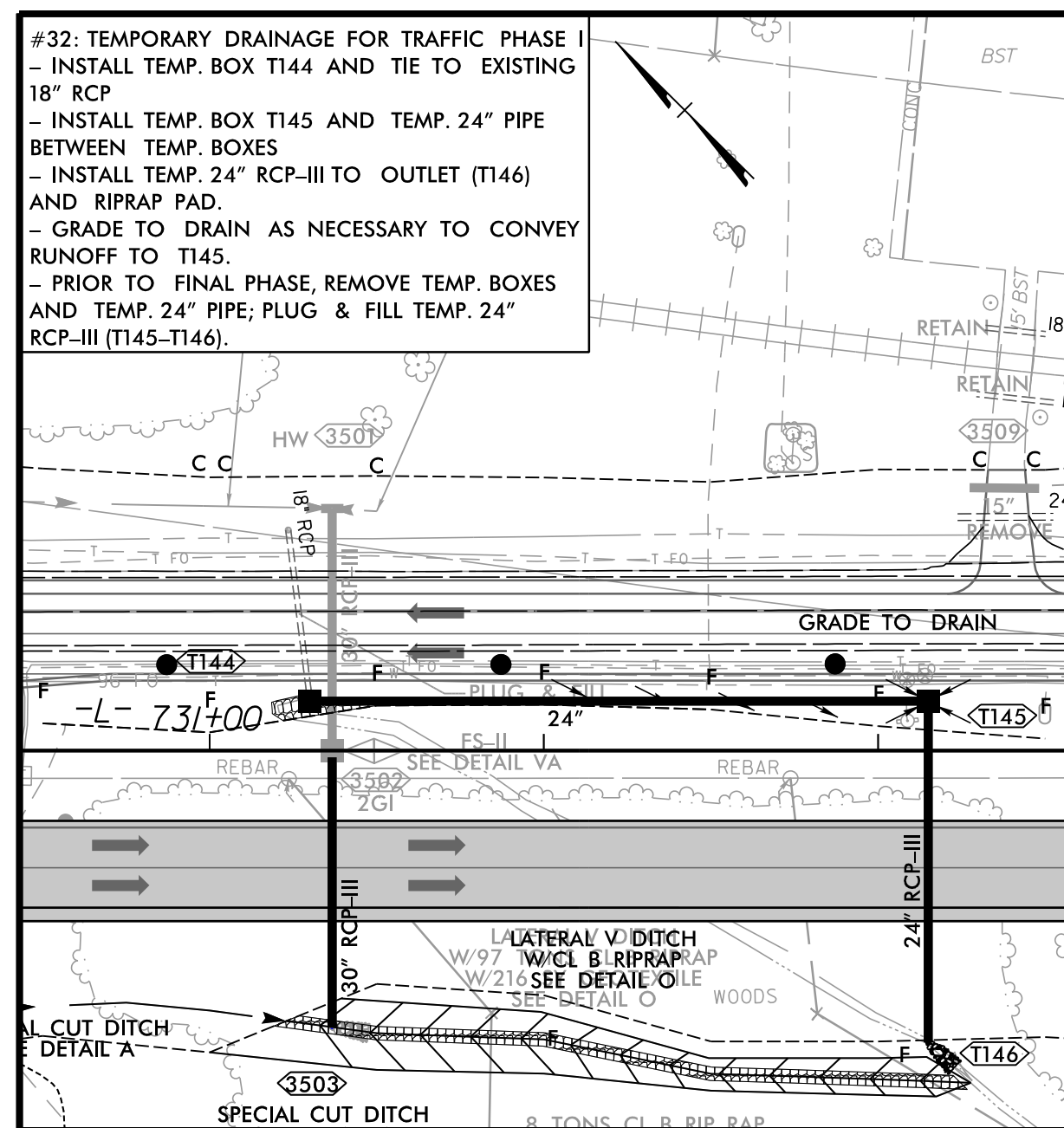
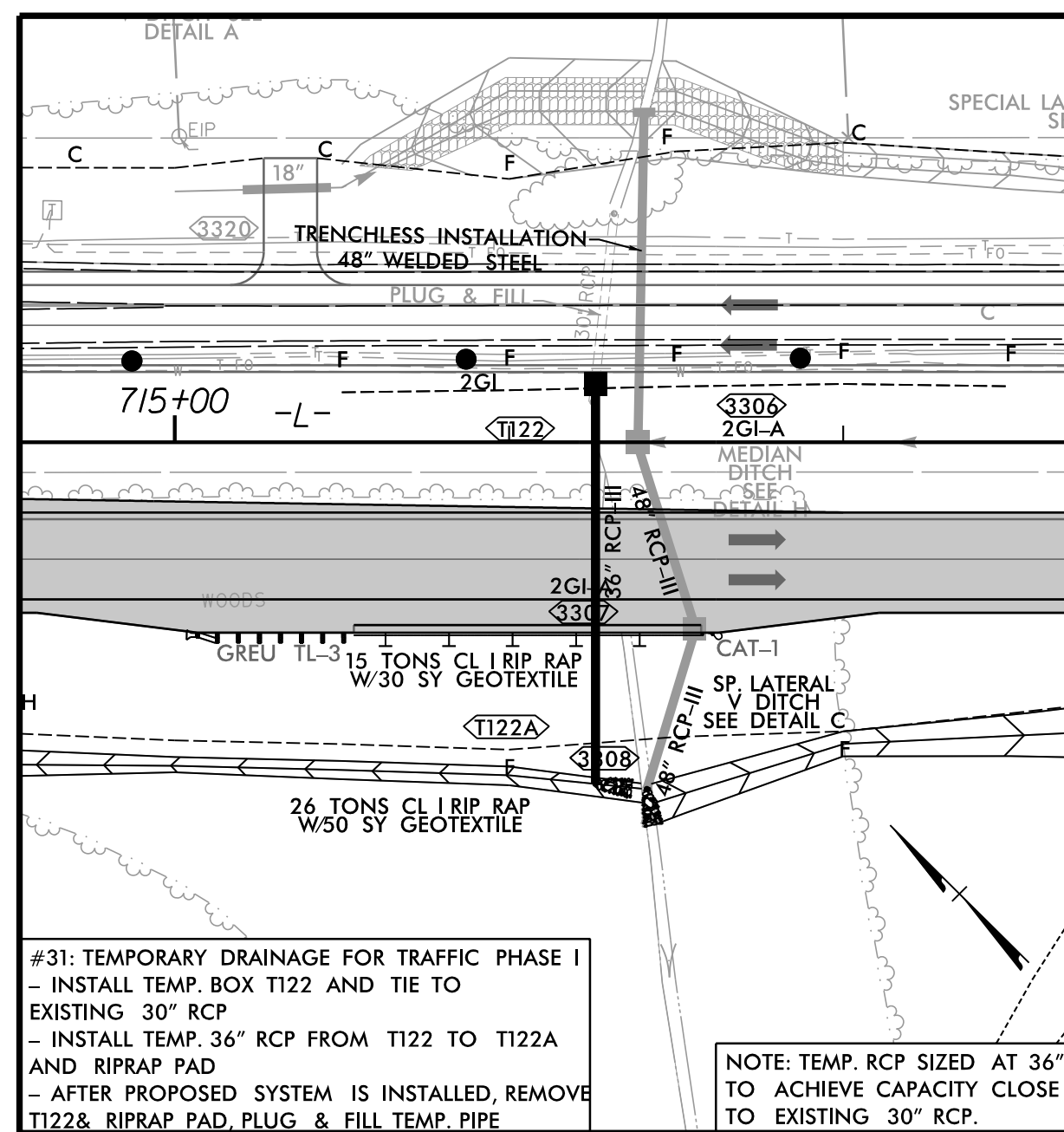
- L- (TEMP) FROM STA. 589+00 TO STA. 589+63 LT BEGIN ELEV=382.7', END ELEV=382.5'
- L- (TEMP) FROM STA. 589+63 TO STA. 590+50 LT BEGIN ELEV=382.5', END ELEV=383.2'
- L- (TEMP) FROM STA. 615+50 TO STA. 617+50 LT BEGIN ELEV=381.0', END ELEV=380.0'
- L- (TEMP) FROM STA. 617+50 TO STA. 620+00 LT BEGIN ELEV=380.0', END ELEV=378.75'
- L- (TEMP) FROM STA. 620+00 TO STA. 621+50 LT BEGIN ELEV=378.75', END ELEV=379.50'
- L- (TEMP) FROM STA. 671+50 TO STA. 671+75 LT BEGIN ELEV=362.80', END ELEV=362.50'
- L- (TEMP) FROM STA. 671+75 TO STA. 672+00 LT BEGIN ELEV=362.50', END ELEV=362.71'
- L- (TEMP) FROM STA. 609+50 TO STA. 610+50 LT BEGIN ELEV=378.75', END ELEV=379.25'



- L- (TEMP) FROM STA. 607+50 TO STA. 608+00 LT BEGIN ELEV=380.48', END ELEV=379.50'
- L- (TEMP) FROM STA. 608+00 TO STA. 609+50 LT BEGIN ELEV=379.50', END ELEV=378.75'



TEMPORARY DRAINAGE PIPE LOCATION DETAILS FOR INFORMATION USE



#37: TEMPORARY DRAINAGE FOR TRAFFIC
PHASE I
- BORE & JACK 2@30" WELDED STEEL PIPES
UNDER RAILROAD.
- PERFORM PROPOSED DITCH WORK ADJACENT
TO RAILROAD AS SHOWN.
- PLUG & FILL EXISTING 15" CMPS UNDER
RAILROAD.
- INSTALL TEMP. BOX T151 AND TIE TO
EXISTING 24" RCP; INSTALL OUTLET RIPRAP
PAD.
- INSTALL TEMP. 24" RCP-IV (T150).
- INSTALL PROPOSED SPECIAL CUT DITCHES
AND ADJUST TO DRAIN TO T150.
- PRIOR TO FINAL PHASE, REMOVE T151 AND
RIPRAP PAD; PLUG & FILL TEMP. 24"
RCP-IV AND ADJUST SPECIAL CUT DITCHES
TO DRAIN TO 3801.

