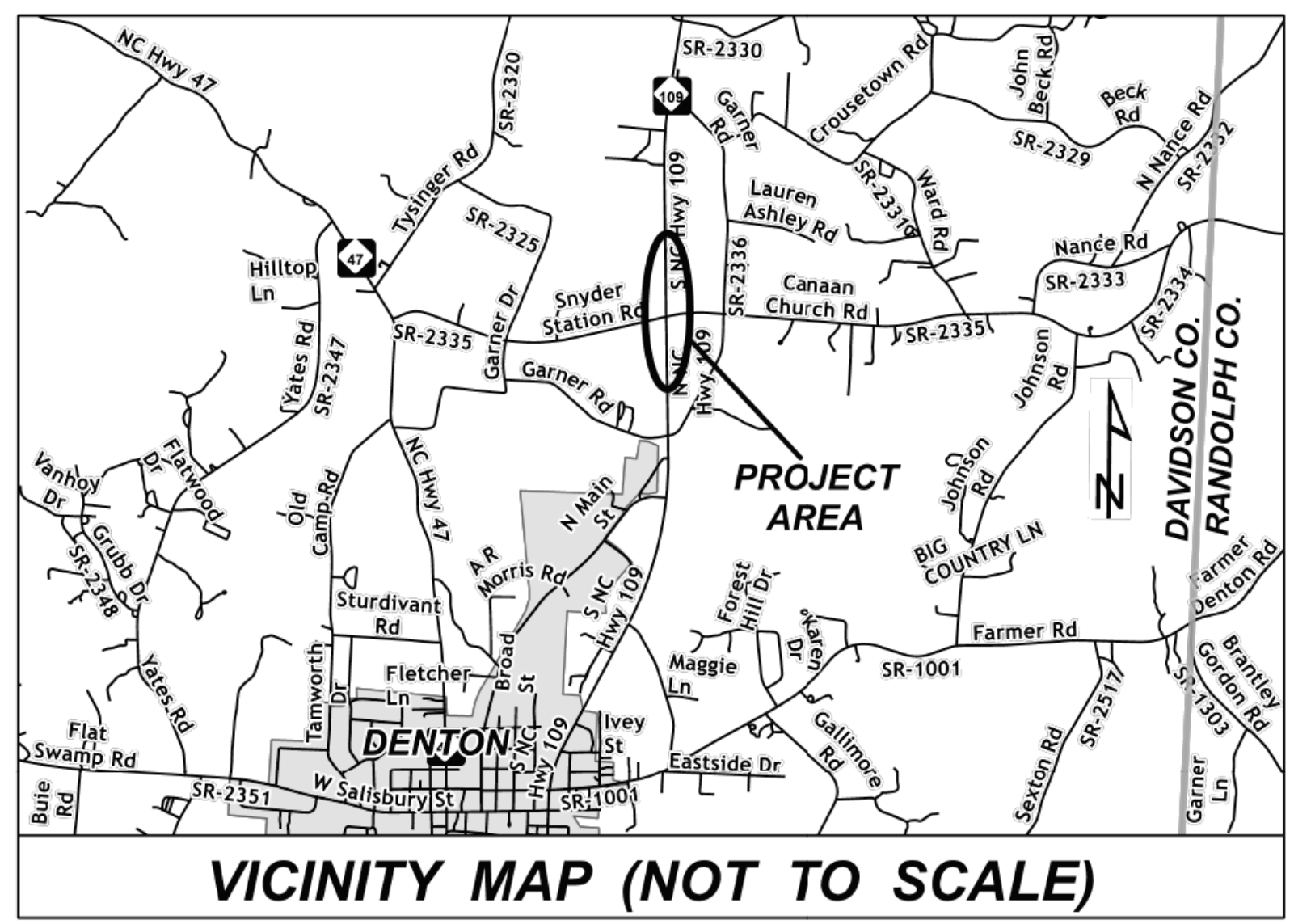


09.08/2019

See Sheet 1A For Index of Sheets

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	HS-2009K	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
49321.1.12	4932120	PE	
49321.3.12	4932120	CONST.	

TIP PROJECT: HS-2009K



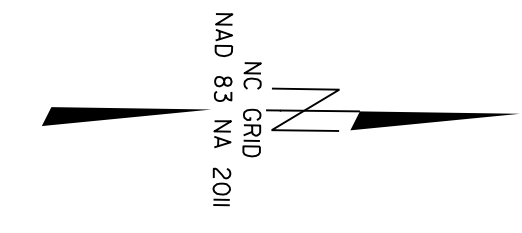
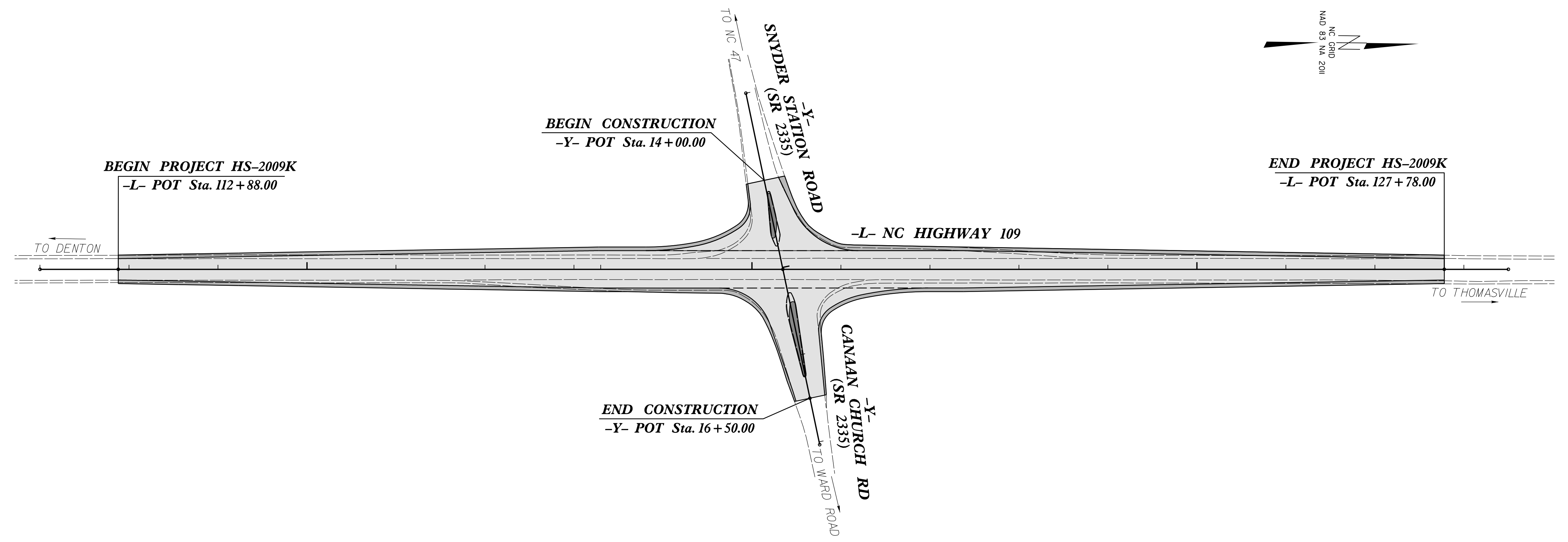
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

DAVIDSON COUNTY

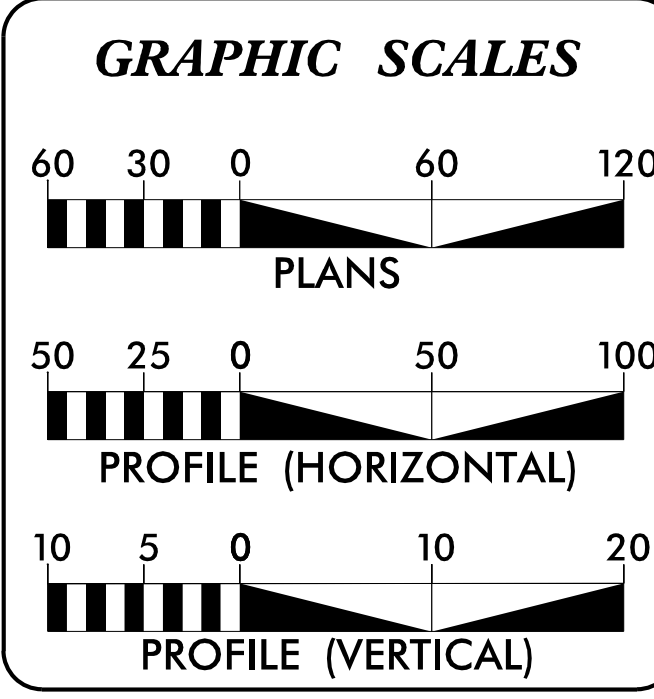
LOCATION: NC HWY 109 AT SR 2335 (SNYDER STATION RD /CANAAN CHURCH RD)

TYPE OF WORK: GRADING, PAVING

CONTRACT: DI00351



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



DESIGN DATA

ADT 2024 = 7500
ADT 2034 = 7890
DESIGN SPEED = 60 MPH
POSTED SPEED = 55 MPH
FUNC CLASS = MINOR ARTERIAL

PROJECT LENGTH

TOTAL LENGTH ROADWAY PROJECT HS-2009K: 0.282 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS
Ninth Division Design / Construct
375 Silas Creek Parkway., Winston-Salem NC, 27127

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: N/A

LETTING DATE: AUGUST 28, 2024

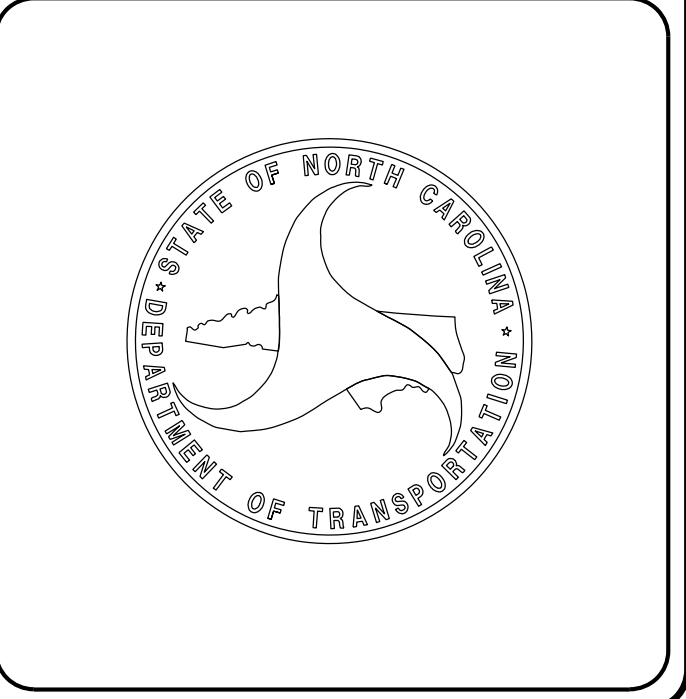
JEREMY L. KEATON PE, PLS
PROJECT ENGINEER

JEREMY L. KEATON PE, PLS
PROJECT DESIGN ENGINEER

ROADWAY DESIGN ENGINEER

DocuSigned by:
Jeremy Keaton
07/15/2024

SIGNATURE:



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\$\$\$\$\$SERNAME\$\$\$\$\$

PROJECT REFERENCE NO.	SHEET NO.
HS-2009K	1A
ROADWAY DESIGN ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

SHEET NUMBER	INDEX OF SHEETS
	SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS
1B	CONVENTIONAL SYMBOLS
2A-1	PAVEMENT SCHEDULE AND TYPICAL SECTIONS
3B	ROADWAY SUMMARIES
4 THRU 5	PLAN AND PROFILE SHEET
RW-1	SURVEY CONTROL SHEET
PMP-1 THRU PMP-2	PAVEMENT MARKING PLAN SHEETS
EC-1 THRU EC-4	EROSION CONTROL PLANS
X-1 THRU X-9	CROSS-SECTIONS

GENERAL NOTES: 2024 SPECIFICATIONS
EFFECTIVE: 01-16-2024
REVISED:

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 II.

SUPERELEVATION:

ALL CURVES ON THIS PROJECT SHALL BE SUPERELEVATED IN ACCORDANCE WITH STD. NO. 225.04 USING THE RATE OF SUPERELEVATION AND RUNOFF SHOWN ON THE PLANS. SUPERELEVATION IS TO BE REVOLVED ABOUT THE GRADE POINTS SHOWN ON THE TYPICAL SECTIONS.

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.

UTILITIES:

UTILITY OWNERS ON THIS PROJECT ARE WINDSTREAM, ENERGY UNITED, DAVIDSON COUNTY SCHOOLS (FORCE MAIN), TOWN OF DENTON, DUKE ENERGY, HANDY SANITARY DISTRICT

2024 ROADWAY ENGLISH STANDARD DRAWINGS

EFF. 01-16-2024
REV.

STD.NO.	TITLE
DIVISION 2 - EARTHWORK	
200.02	Method of Clearing - Method II
225.02	Guide for Grading Subgrade - Secondary and Local
225.04	Method of Obtaining Superelevation - Two Lane Pavement
DIVISION 5 - SUBGRADE, BASES AND SHOULDERS	
560.01	Method of Shoulder Construction - High Side of Superelevated Curve - Method I
DIVISION 8 - INCIDENTALS	
852.01	Concrete Islands

The following Roadway Standards as appear in "Roadway Standard Drawings" Contracts Standards and Development Unit - N. C. Department of Transportation - Raleigh, N. C., Dated January 16, 2024 are applicable to this project and by reference hereby are considered a part of these plans:

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	(123)
Existing Fence Line	-x-x-x-
Proposed Woven Wire Fence	○
Proposed Chain Link Fence	□
Proposed Barbed Wire Fence	◇
Existing Wetland Boundary	WLB
Proposed Wetland Boundary	WLB
Existing Endangered Animal Boundary	EAB
Existing Endangered Plant Boundary	EPB
Existing Historic Property Boundary	HPB
Known Contamination Area: Soil	☒-s-☒-s-
Potential Contamination Area: Soil	☒-s-☒-s-
Known Contamination Area: Water	☒-w-☒-w-
Potential Contamination Area: Water	☒-w-☒-w-
Contaminated Site: Known or Potential	☠ ?

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap	○
Sign	○
Well	○
Small Mine	×
Foundation	□
Area Outline	□
Cemetery	□
Building	□
School	□
Church	□
Dam	□

HYDROLOGY:

Stream or Body of Water	-----
Hydro, Pool or Reservoir	-----
Jurisdictional Stream	JS
Buffer Zone 1	BZ 1
Buffer Zone 2	BZ 2
Flow Arrow	←
Disappearing Stream	→
Spring	○
Wetland	WLB
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	E
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

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	-----
Existing Curb	-----
Proposed Slope Stakes Cut	C
Proposed Slope Stakes Fill	F
Proposed Curb Ramp	CR
Existing Metal Guardrail	T
Proposed Guardrail	T
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:

* 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	PH
H-Frame Pole	●
U/G Power Line Test Hole (SUE - LOS A)*	⊗
U/G Power Line (SUE - LOS B)*	P
U/G Power Line (SUE - LOS C)*	P
U/G Power Line (SUE - LOS D)*	P

TELEPHONE:

Existing Telephone Pole	●
Proposed Telephone Pole	○
Telephone Manhole	○
Telephone Pedestal	□
Telephone Cell Tower	⊕
U/G Telephone Cable Hand Hole	PH
U/G Telephone Test Hole (SUE - LOS A)*	⊗
U/G Telephone Cable (SUE - LOS B)*	T
U/G Telephone Cable (SUE - LOS C)*	T
U/G Telephone Cable (SUE - LOS D)*	T
U/G Telephone Conduit (SUE - LOS B)*	TC
U/G Telephone Conduit (SUE - LOS C)*	TC
U/G Telephone Conduit (SUE - LOS D)*	TC
U/G Fiber Optics Cable (SUE - LOS B)*	T FO
U/G Fiber Optics Cable (SUE - LOS C)*	T FO
U/G Fiber Optics Cable (SUE - LOS D)*	T FO

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)*	P
U/G Water Line (SUE - LOS C)*	P
U/G Water Line (SUE - LOS D)*	P
Above Ground Water Line	A/G Water
TV:	
TV Pedestal	□
TV Tower	⊗
U/G TV Cable Hand Hole	PH
U/G TV Test Hole (SUE - LOS A)*	⊗
U/G TV Cable (SUE - LOS B)*	TV
U/G TV Cable (SUE - LOS C)*	TV
U/G TV Cable (SUE - LOS D)*	TV
U/G Fiber Optic Cable (SUE - LOS B)*	TV FO
U/G Fiber Optic Cable (SUE - LOS C)*	TV FO
U/G Fiber Optic Cable (SUE - LOS D)*	TV FO

GAS:

Gas Valve	◇
Gas Meter	⊕
U/G Gas Line Test Hole (SUE - LOS A)*	⊗
U/G Gas Line (SUE - LOS B)*	G
U/G Gas Line (SUE - LOS C)*	G
U/G Gas Line (SUE - LOS D)*	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 Force Main Line Test Hole (SUE - LOS A)*	⊗
SS Force Main Line (SUE - LOS B)*	FSS
SS Force Main Line (SUE - LOS C)*	FSS
SS Force Main Line (SUE - LOS D)*	FSS

MISCELLANEOUS:

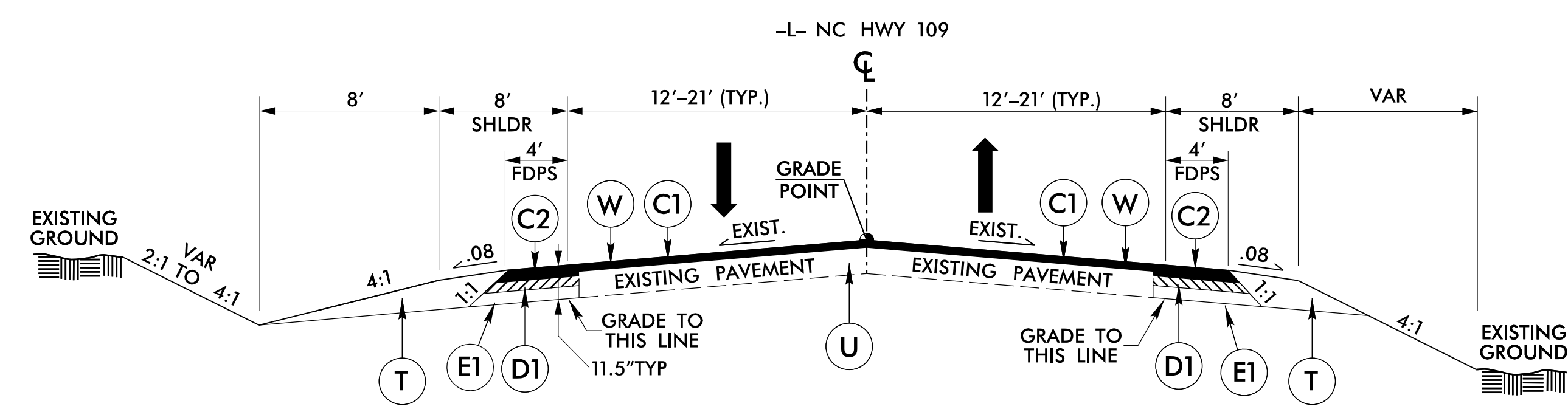
Utility Pole	●
Utility Pole with Base	□
Utility Located Object	○
Utility Traffic Signal Box	⊕
Utility Unknown U/G Line (SUE - LOS B)*	UTL
U/G Tank; Water, Gas, Oil	□
Underground Storage Tank, Approx. Loc.	UST
A/G Tank; Water, Gas, Oil	□
Geoenvironmental Boring	⊕
Abandoned According to Utility Records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

PAVEMENT SCHEDULE

C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.	D2	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 PLACE IN LAYERS NOT LESS THAN 2½" IN DEPTH OR GREATER THAN 4" IN DEPTH.	T	EARTH MATERIAL
C2	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.	E1	PROP. APPROX. 4½ ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 513 LBS. PER SQ. YD.	U	EXISTING PAVEMENT
C3	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT TO EXCEED 2" IN DEPTH.	E2	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.	V	MILLING ASPHALT PAVEMENT (0" - 1.5" DEPTH)
D1	PROP. APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I9.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.	R	5" MONOLITHIC CONCRETE ISLAND (KEYED-IN).	W	VARIABLE DEPTH ASPHALT PAVEMENT (SEE WEDGING DETAIL)

PROJECT REFERENCE NO. HS-2009K	SHEET NO. 2A-1
ROADWAY DESIGN ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

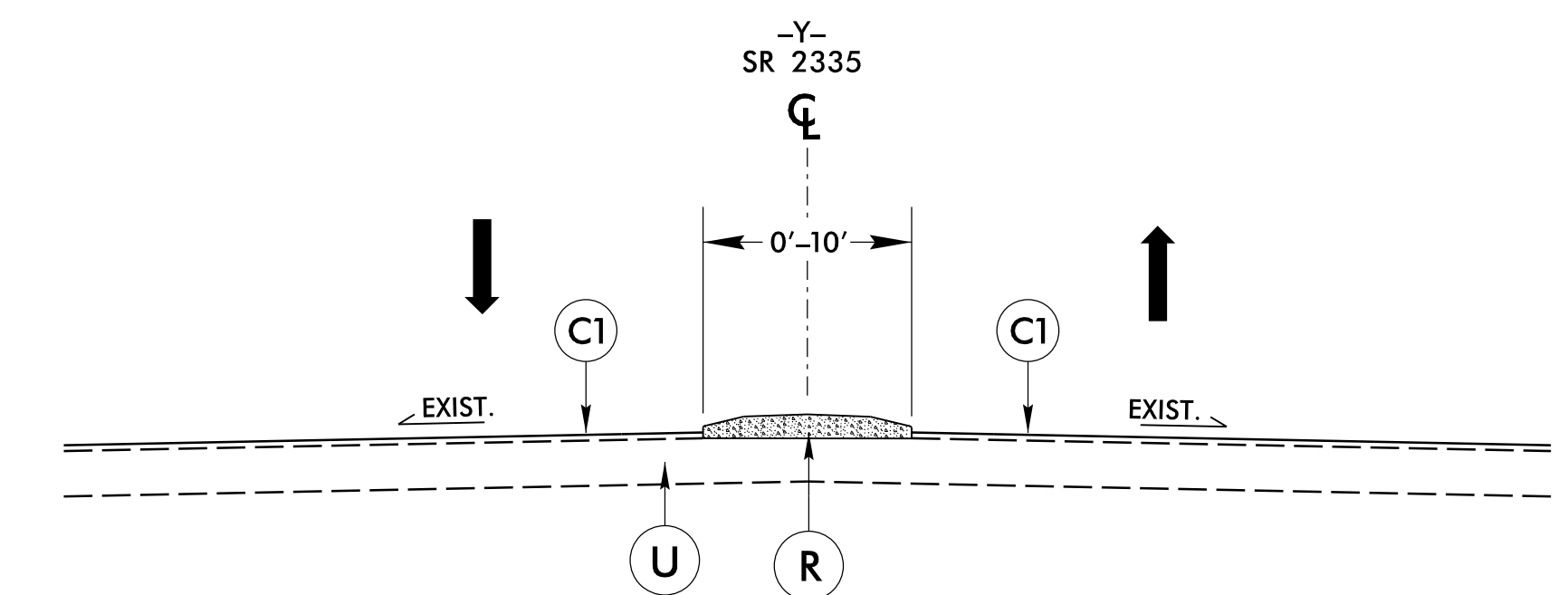
NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



TYPICAL SECTION #1

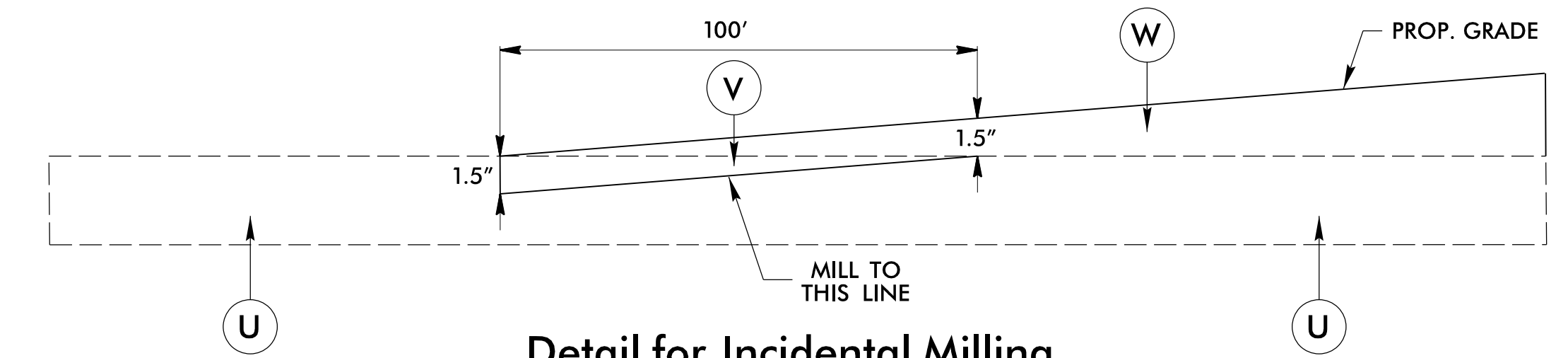
USE TYPICAL SECTION NO. 1 AS FOLLOWS:
FROM -L- STA. 112+88 TO -L- STA. 127+78

- NOTES: 1) ACTUAL SLOPES AND DIMENSIONS VARY SEE XSC SHEETS FOR DETAILS
2) DURING WIDENING, WEDGE EXISTING PAVED SHOULDERS AS NEEDED TO PROJECT (& RETAIN) EXISTING TRAVEL LANE CROSS SLOPE



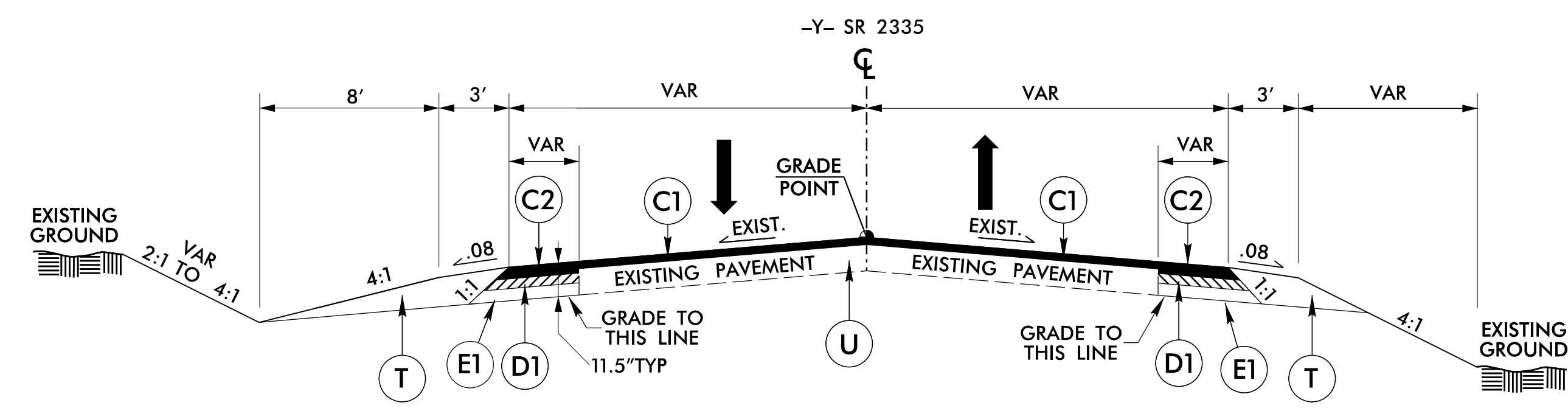
CONCRETE ISLAND DETAIL

USE IN CONJUNCTION WITH TYPICAL SECTION #2
-Y- STA. 14+16 TO STA. 14+66
-Y- STA. 15+40 TO STA. 16+25



Detail for Incidental Milling of Existing Pavement

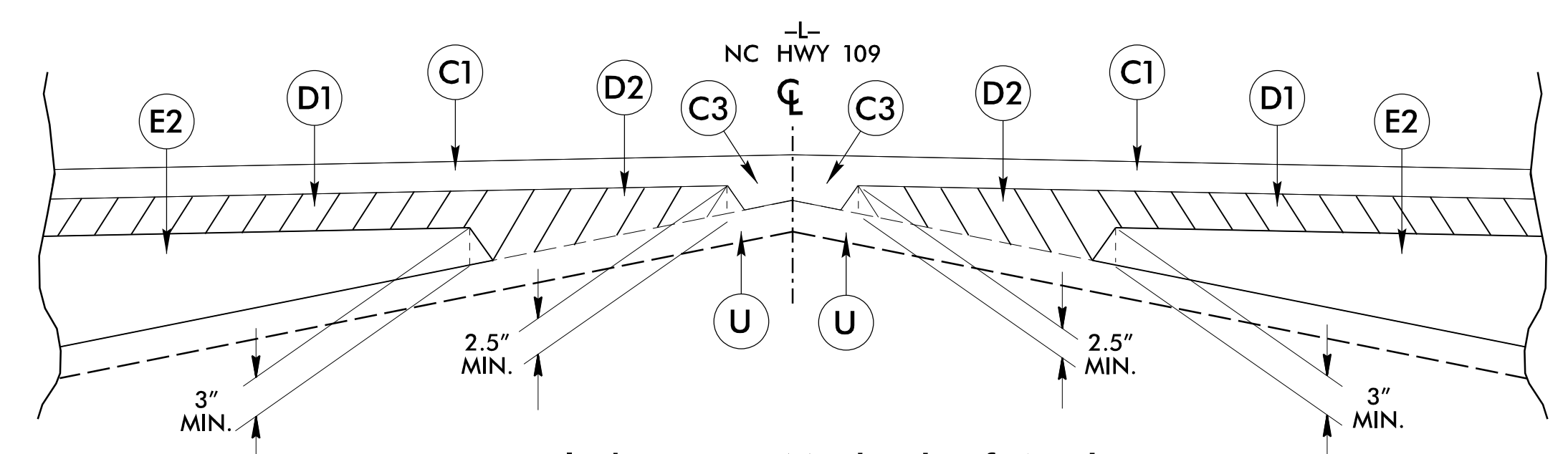
USE AT PROJECT LIMITS CONJUNCTION WITH TYPICAL SECTION #1 & #2



TYPICAL SECTION #2

USE TYPICAL SECTION NO. 1 AS FOLLOWS:
FROM -Y- STA. 14+00 TO -Y- STA. 14+80 +/-
FROM -Y- STA. 15+24 +/- TO -Y- STA. 16+50

- NOTES: 1) ACTUAL SLOPES AND DIMENSIONS VARY SEE XSC SHEETS FOR DETAILS



Detail Showing Method of Wedging

6/2/2019
12 JUL 2024 10:43
C:\Users\jkeaton\Documents\TIP_Projects\HS\HS-2009K-NC109-CanaanChurchRd\Roadway\HS-2009K_addc_2A-1_tjup.dgn

12/06/07

COMPUTED BY: JLK DATE: 07/11/2024
CHECKED BY: DATE:

PROJECT REFERENCE NO. SHEET NO.
HS-2009K 3B

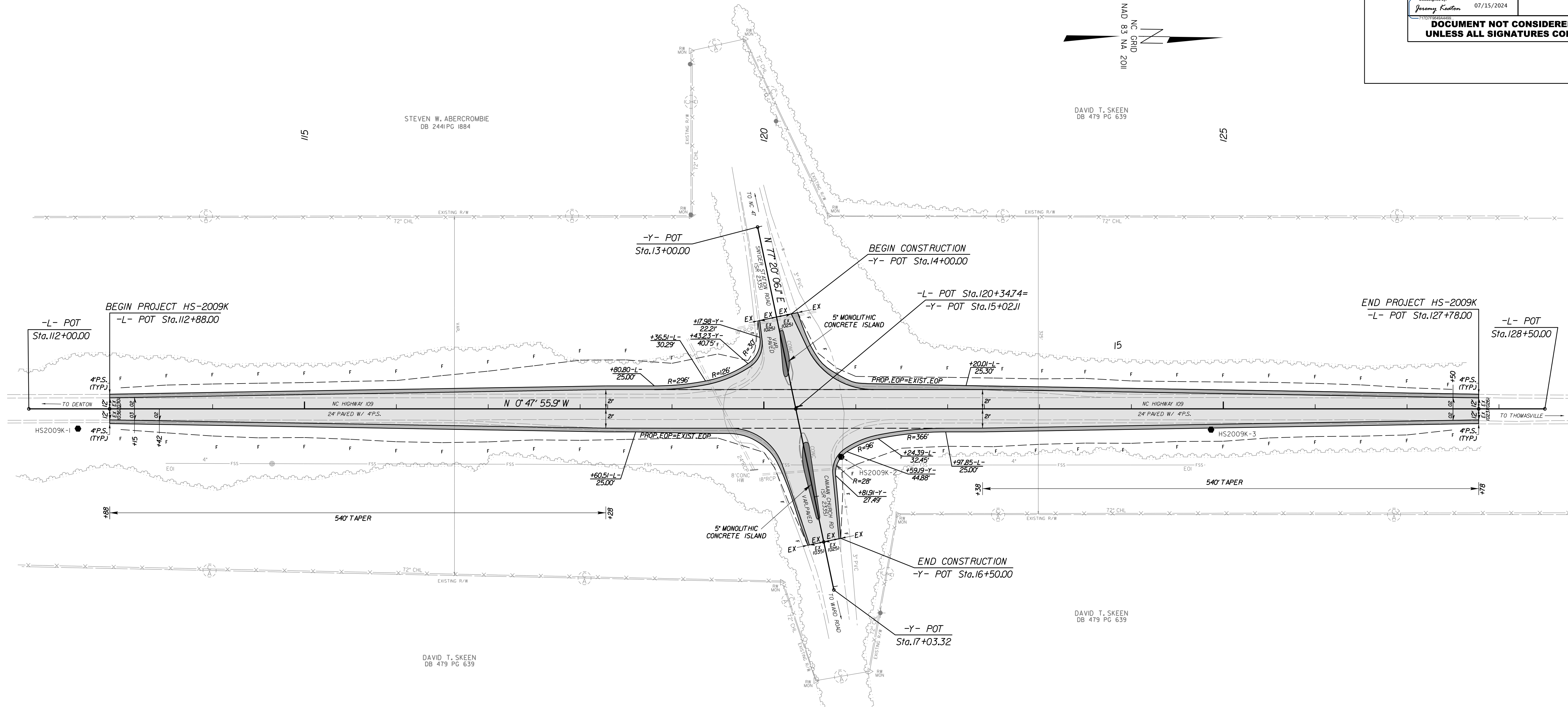
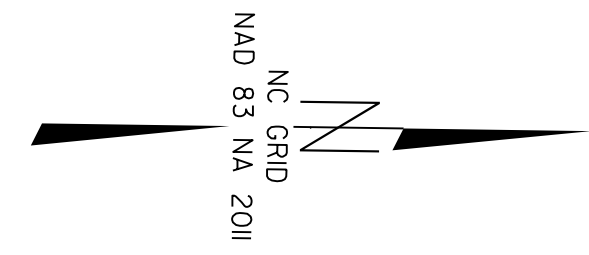
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK
IN CUBIC YARDS

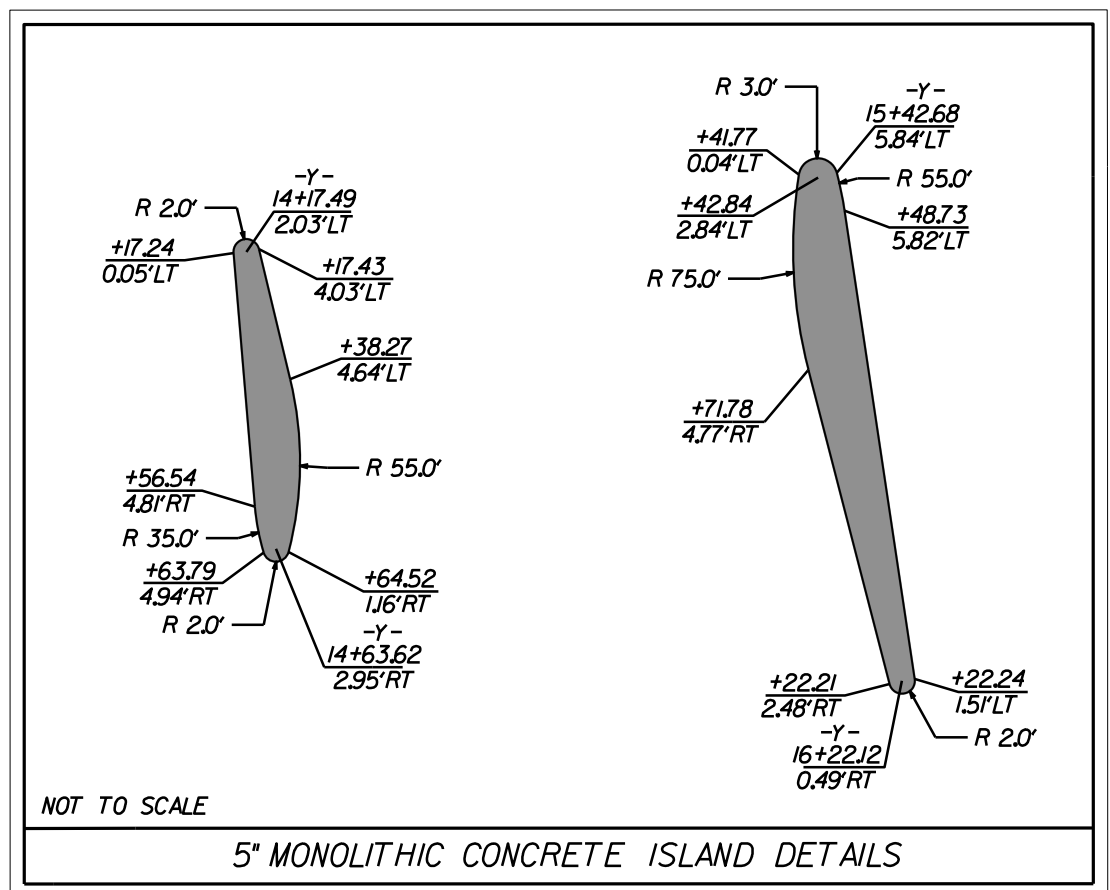
STATION	STATION	UNCL. EXCAV.	UNDERCUT (CONTINGENCY)	EMBANK. + 20%	BORROW	WASTE
112 + 88	127 + 78	260		1150	1000	150
SHALLOW UNDERCUT (CONTINGENCY)			100			100
SUBTOTAL		260	100	1150	1040	250
10% CONTINGENCY						
GRAND TOTALS		286	110	1265	1144	275
SAY		290	110	1270	1150	280

NOTE: APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, BORROW EXCAVATION, CLEARING & GRUBBING AND REMOVAL OF EXISTING PAVEMENT WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR GRADING.

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REVISIONS



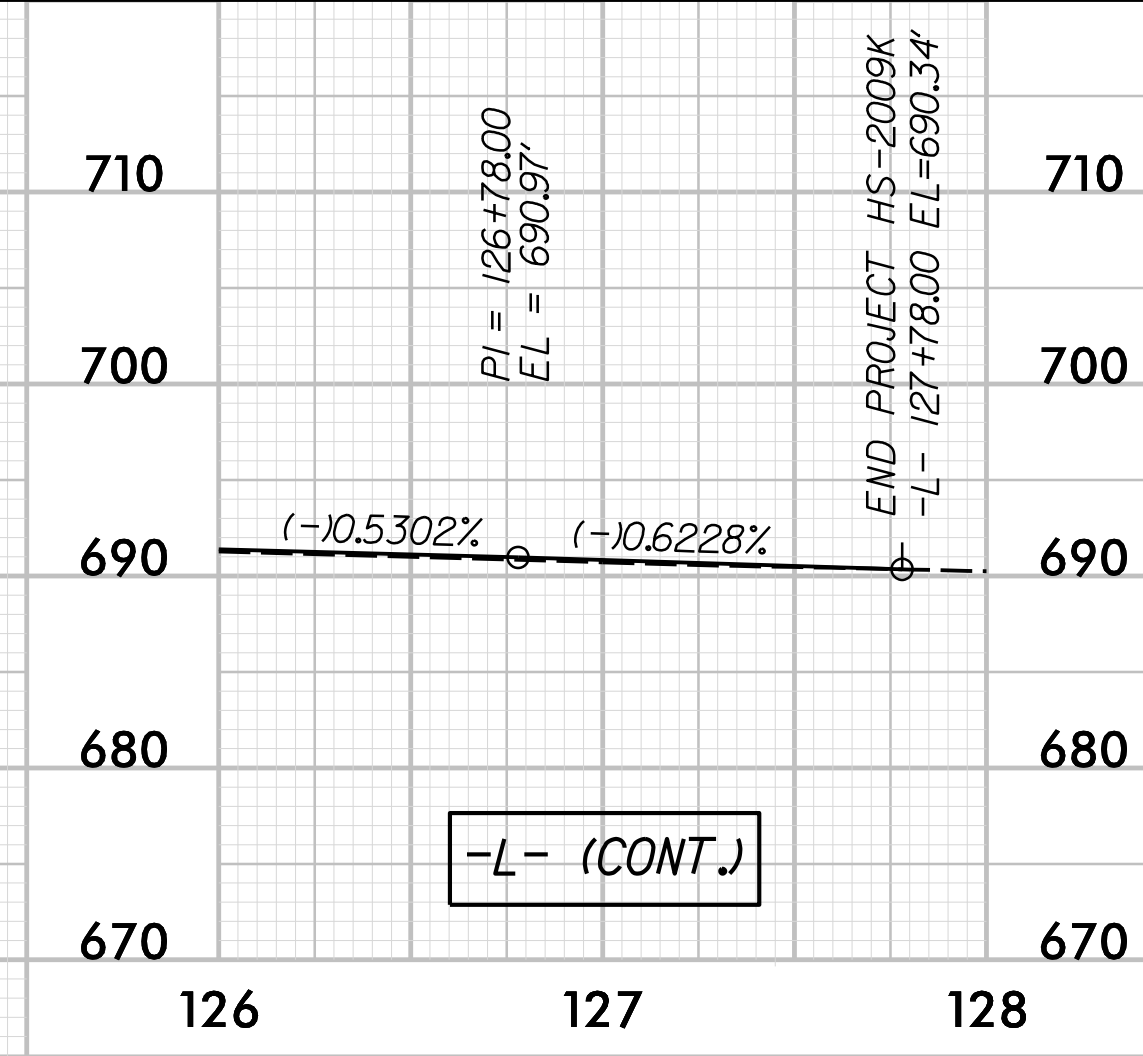
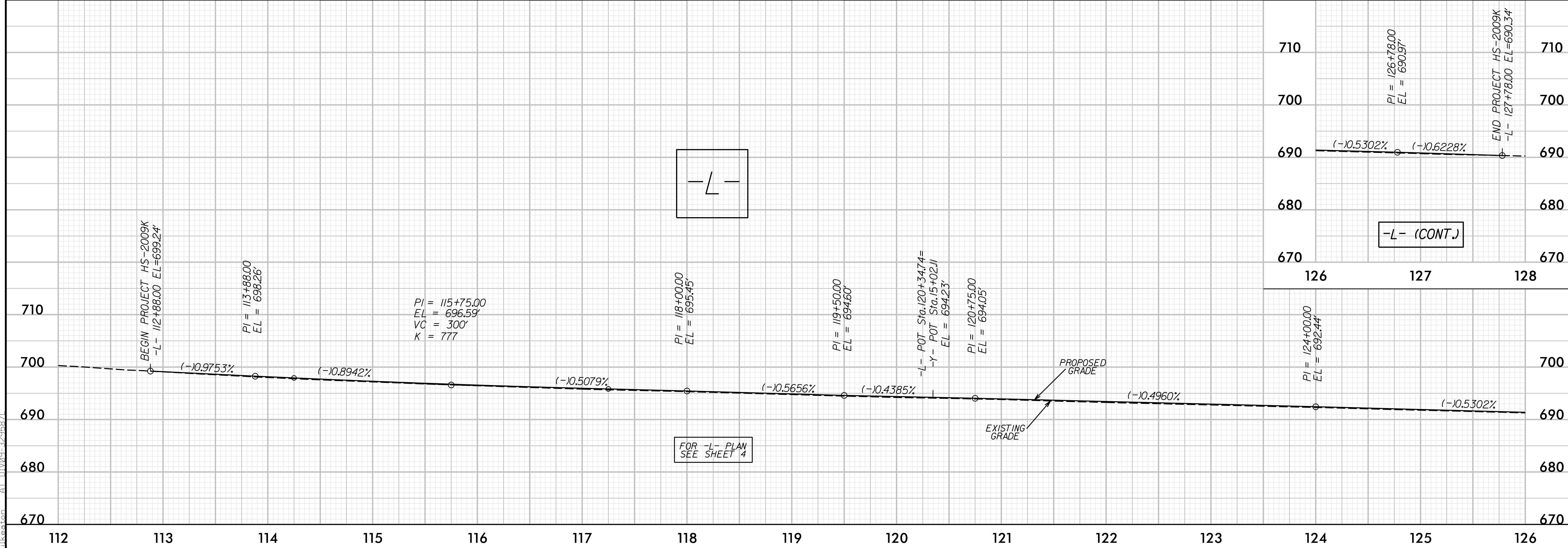
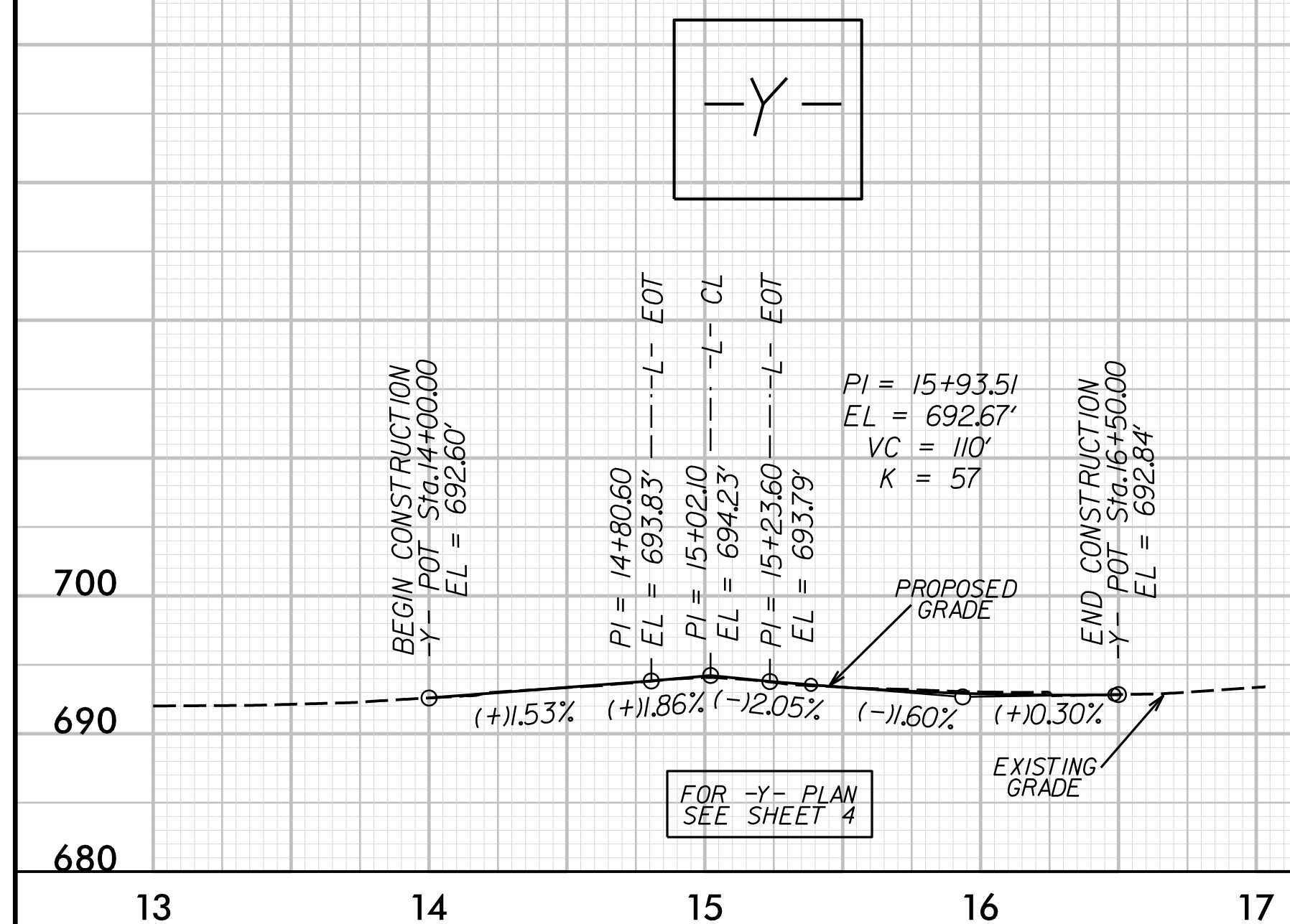
NOTE: STATIONING & RW FROM HWY PROJ. #6.6010019

NOTE: SEE SHEET 5 FOR -L- & -Y- PROFILE

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 8/17/99

5/28/24

PROJECT REFERENCE NO. HS-2009K	SHEET NO. 5
ROADWAY DESIGN ENGINEER JEREMY L. KEATON PROFESSIONAL SEAL 057979 ENGINEER JEREMY L. KEATON	
<small>Documented by: Jeremy Keaton 07/15/2024</small> DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



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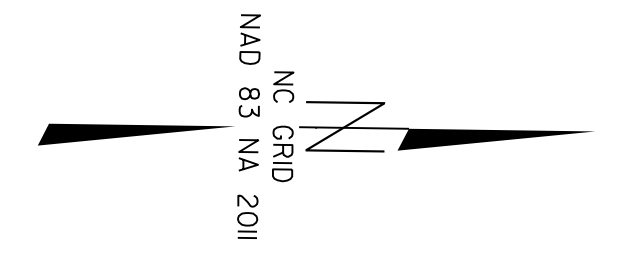
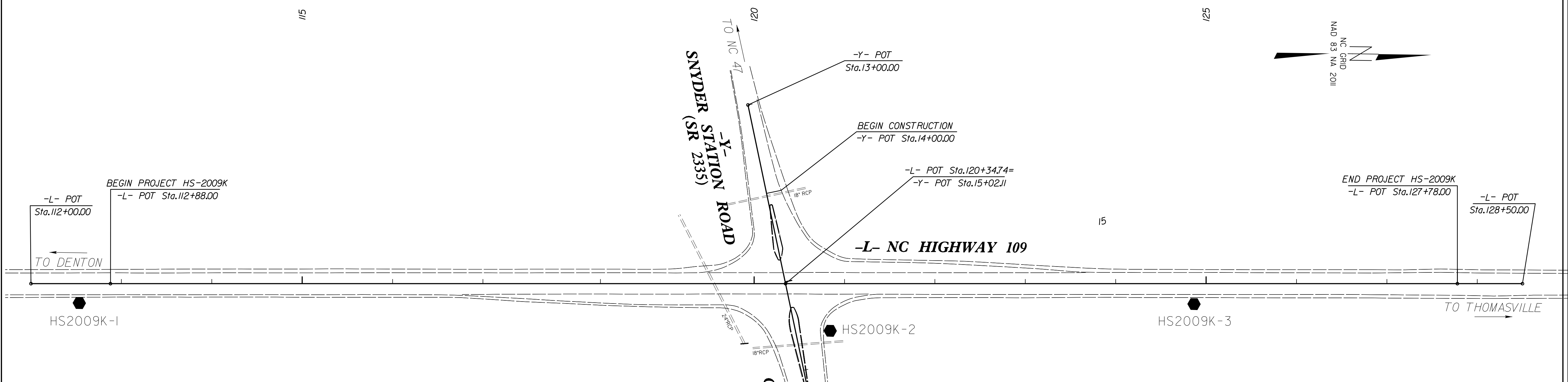
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	HS-2009K	RW-1	1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SURVEY CONTROL,
EXISTING / PROPOSED CENTERLINES

DAVIDSON COUNTY

TIP PROJECT: HS-2009K



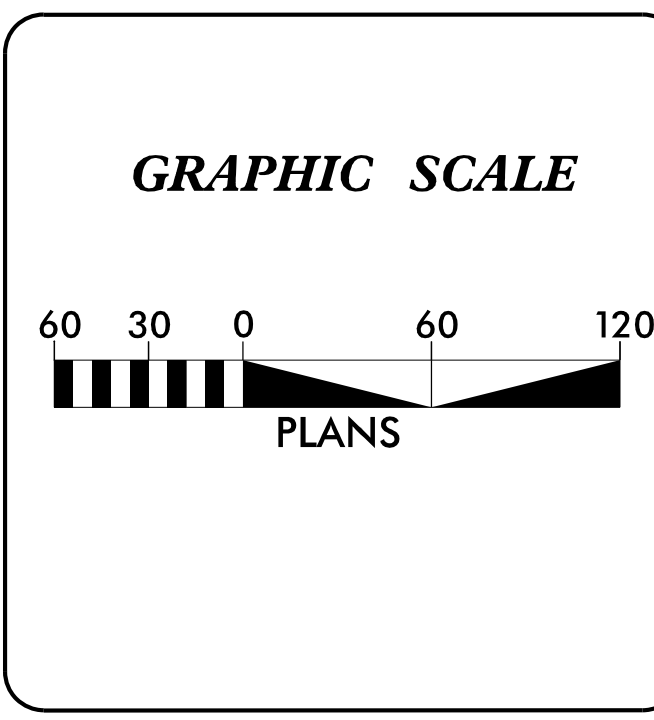
CONTROL POINTS

POINT	DESC.	NORTH	EAST	ELEVATION
1	HS-2009K-1	697355.9750	1673232.6570	698.34
2	HS-2009K-2	698187.0330	1673251.7740	692.51
3	HS-2009K-3	698589.0690	1673216.5870	690.29

PROPOSED ALIGNMENTS
(EXISTING RETAINED)

		L	
TYPE	STATION	NORTH	EAST
POT	112+00.00	697302.2220	1673211.9084
POT	128+50.00	698952.0616	1673188.9037

		Y	
TYPE	STATION	NORTH	EAST
POT	13+00.00	698092.5640	1673003.0809
POT	17+03.32	698180.9917	1673396.5873



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "HS-2009K" WITH NAD 83/NSRS 2011 STATE PLANE GRID COORDINATES OF NORTHING: 698187.033(ft) EASTING: 1673251.774(ft) ELEVATION: 692.51(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99996678

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "HS-2009K" TO -L- STATION 112+00.00 IS S 02°34'47" W 885.71(ft)

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

Prepared in the Office of:

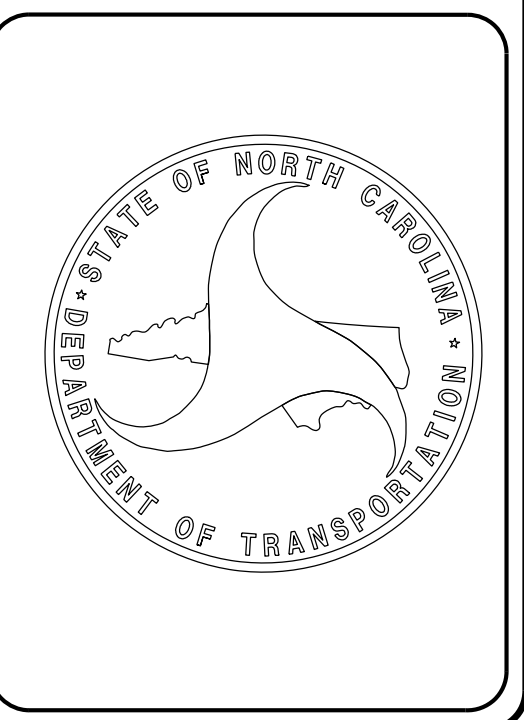
DIVISION OF HIGHWAYS
NINTH DIVISION DESIGN/CONSTRUCT
375 SILAS CREEK PARKWAY WINSTON-SALEM, N.C. 27127

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: N/A	LETTING DATE: AUGUST 28, 2024
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PROFESSIONAL LAND SURVEYOR

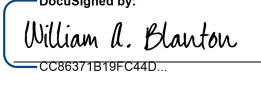

DocuSigned by:
Jeremy Keaton
07/15/2024
Date:



12-JUL-2024 12:43 SA:\Project_Development\TIP_Projects\HS-2009K-NC09-CanaanChurchRd\Surveys\ControlSheet\HS-2009K-ddc_RW1.dgn \$\$\$USERNAME\$\$\$

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
DAVIDSON COUNTY
LOCATION: INTERSECTION OF NC 109
& SR 2335 (SNYDER STATION RD/CANAAN CHURCH RD)

TIP NO.	SHEET NO.
HS-2009K	PMP-1
APPROVED: 	
DATE: 07/15/2024	
SEAL	
	

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 AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING TYPE	MARKERS
NC-109 (-L-) and -Y- Lines	SNOW- PLOWABLE (L ONLY) Thermoplastic w/Highly Reflective Elements	

(All Stop Bars, Arrow Symbols, and Diagonal lines shall be Thermoplastic)
- 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.
- F) REMOVE ALL RESIDUE AND SURFACE LAITANCE BY ACCEPTABLE METHODS ON THE BRIDGE DECK(S) PRIOR TO PLACING POLYUREA PAVEMENT MARKING.

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 2012 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 - 2 LANE AND MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.08	PAVEMENT MARKINGS - ARROW SYMBOLS
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1251.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING

FINAL PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION	PAY ITEM
T20	WHITE EDGE LINE (6")	THERMOPLASTIC
T23	3 FT. - 9 FT./SP WHITE MINISKIP (6")	THERMOPLASTIC
T24	2 FT. - 6 FT. /SP WHITE MINISKIP (6")	THERMOPLASTIC
T33	YELLOW DOUBLE CENTER (6")	THERMOPLASTIC
T50	WHITE GORELINE (12", 90 MIL)	THERMOPLASTIC
T51	WHITE DIAGONAL (12", 90 MIL)	THERMOPLASTIC
T52	YELLOW DIAGONAL (12", 90 MIL)	THERMOPLASTIC
T61	WHITE STOPBAR (24", 120 MIL)	THERMOPLASTIC
T70	LEFT TURN ARROW (90 MIL)	THERMOPLASTIC
T74	COMBO. RIGHT/ STRAIGHT ARROW (90 MIL)	THERMOPLASTIC

FINAL PAVEMENT MARKING QUANTITIES

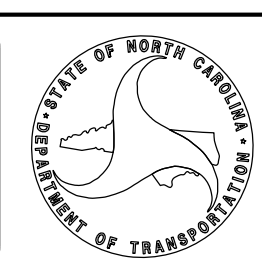
SYMBOL	DESCRIPTION	QUANTITY
T20	WHITE EDGE LINE (6")	3200 LF
T23	3 FT. - 9 FT./SP WHITE MINISKIP (6")	360 LF
T24	2 FT. - 6 FT. /SP WHITE MINISKIP (6")	470 LF
T33	YELLOW DOUBLE CENTER (6")	2700 LF
T50	WHITE GORELINE (12", 90 MIL)	700 LF
T51	WHITE DIAGONAL (12", 90 MIL)	80 LF
T52	YELLOW DIAGONAL (12", 90 MIL)	310 LF
T61	WHITE STOPBAR (24", 120 MIL)	110 LF
T70	LEFT TURN ARROW (90 MIL)	2 EA
T74	COMBO. RIGHT/ STRAIGHT ARROW (90 MIL)	2 EA

INDEX

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE AND SCHEDULE SHEET
PMP-2	PAVEMENT MARKING DETAILS

PLAN PREPARED BY: N.C.D.O.T. DIVISION 9 DDC

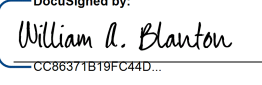
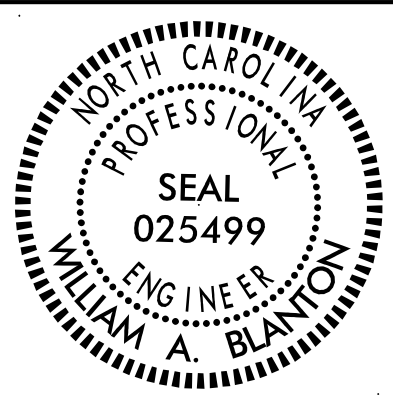
WILLIAM A. BLANTON DIVISION 9 PROJECT TEAM LEAD



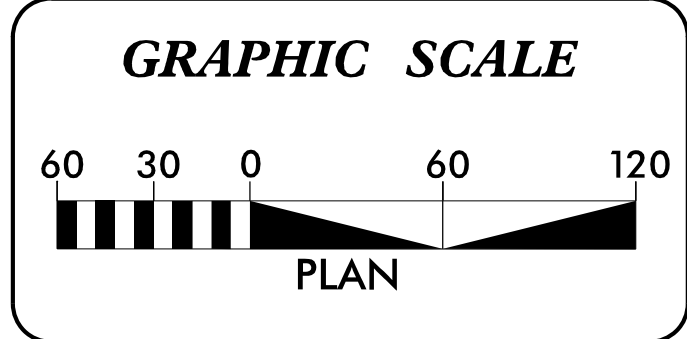
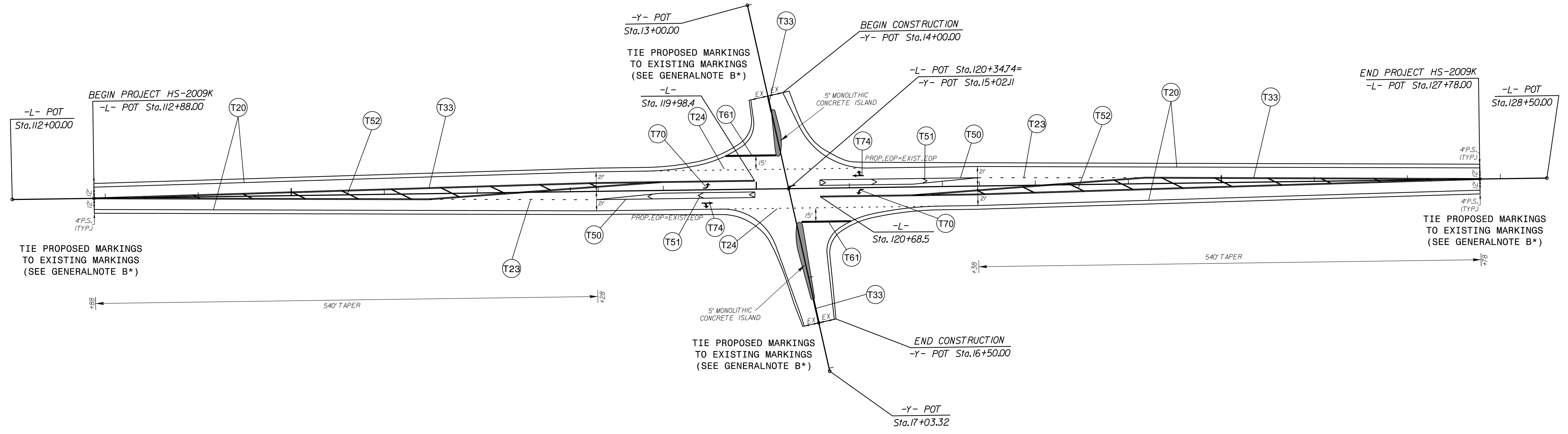
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TIP NO.	SHEET NO.
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APPROVED: 	
DATE: 07/15/2024	
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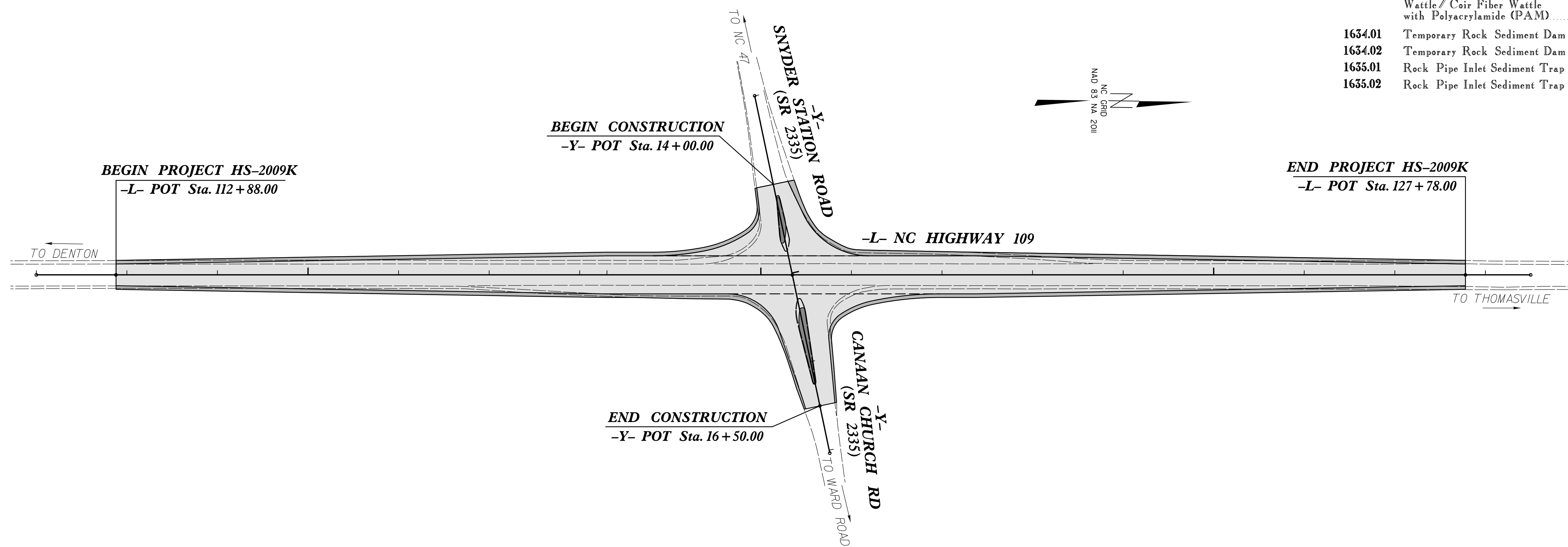
PROJECT: HS-2009K

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

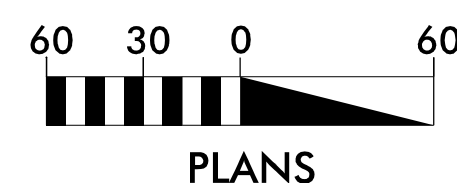
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N.C.	HS-2009K	EC-1	4
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TD
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	III III III
1606.01	Special Sediment Control Fence	III III III
1622.01	Temporary Berms and Slope Drains	TD
1630.02	Silt Basin Type B	SB
1633.01	Temporary Rock Silt Check Type-A	RC
1633.02	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	RC
1633.03	Temporary Rock Silt Check Type-B	RC
1633.04	Wattle/Coir Fiber Wattle	W
1633.05	Wattle/Coir Fiber Wattle with Polyacrylamide (PAM)	W
1634.01	Temporary Rock Sediment Dam Type-A	RD
1634.02	Temporary Rock Sediment Dam Type-B	RD
1635.01	Rock Pipe Inlet Sediment Trap Type-A	RPI
1635.02	Rock Pipe Inlet Sediment Trap Type-B	RPI



GRAPHIC SCALE



THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE APRIL 1, 2019 ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER QUALITY.

Prepared in the Office of:
DIVISION 9 DDC
 375 Silas Creek Parkway
 Winston-Salem, NC 27127

2024 STANDARD SPECIFICATIONS

Designed by:
Jeremy L. Keaton, PE, PLS 3497
 NAME LEVEL III CERTIFICATION NO.

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 2024 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	1634.01 Temporary Rock Sediment Dam Type A
1630.02 Silt Basin Type B	1634.02 Temporary Rock Sediment Dam Type B
1630.03 Temporary Silt Ditch	1635.01 Rock Pipe Inlet Sediment Trap Type A
1630.04 Stilling Basin	1635.02 Rock Pipe Inlet Sediment Trap Type B
1630.05 Temporary Diversion	1636.01 Wattle Check
1630.06 Special Stilling Basin	1636.02 Silt Fence Wattle Break
1631.01 Matting Installation	1640.01 Coir Fiber Baffle
	1645.01 Temporary Stream Crossing

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DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

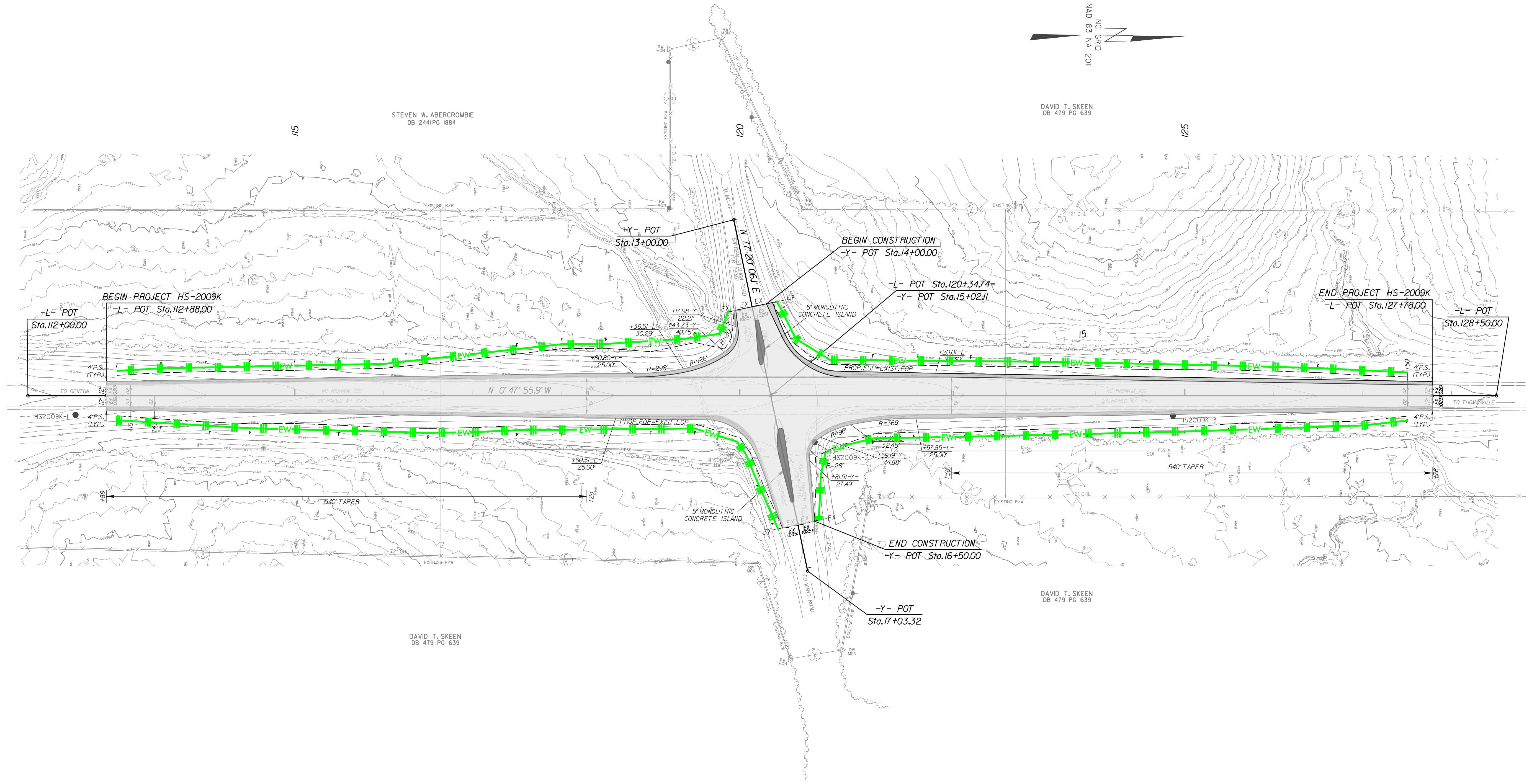
SOIL STABILIZATION TIMEFRAMES

<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.

COMBINED CLEARING AND GRUBBING AND FINAL EROSION CONTROL FOR CONSTRUCTION SHEET 4

REVISIONS

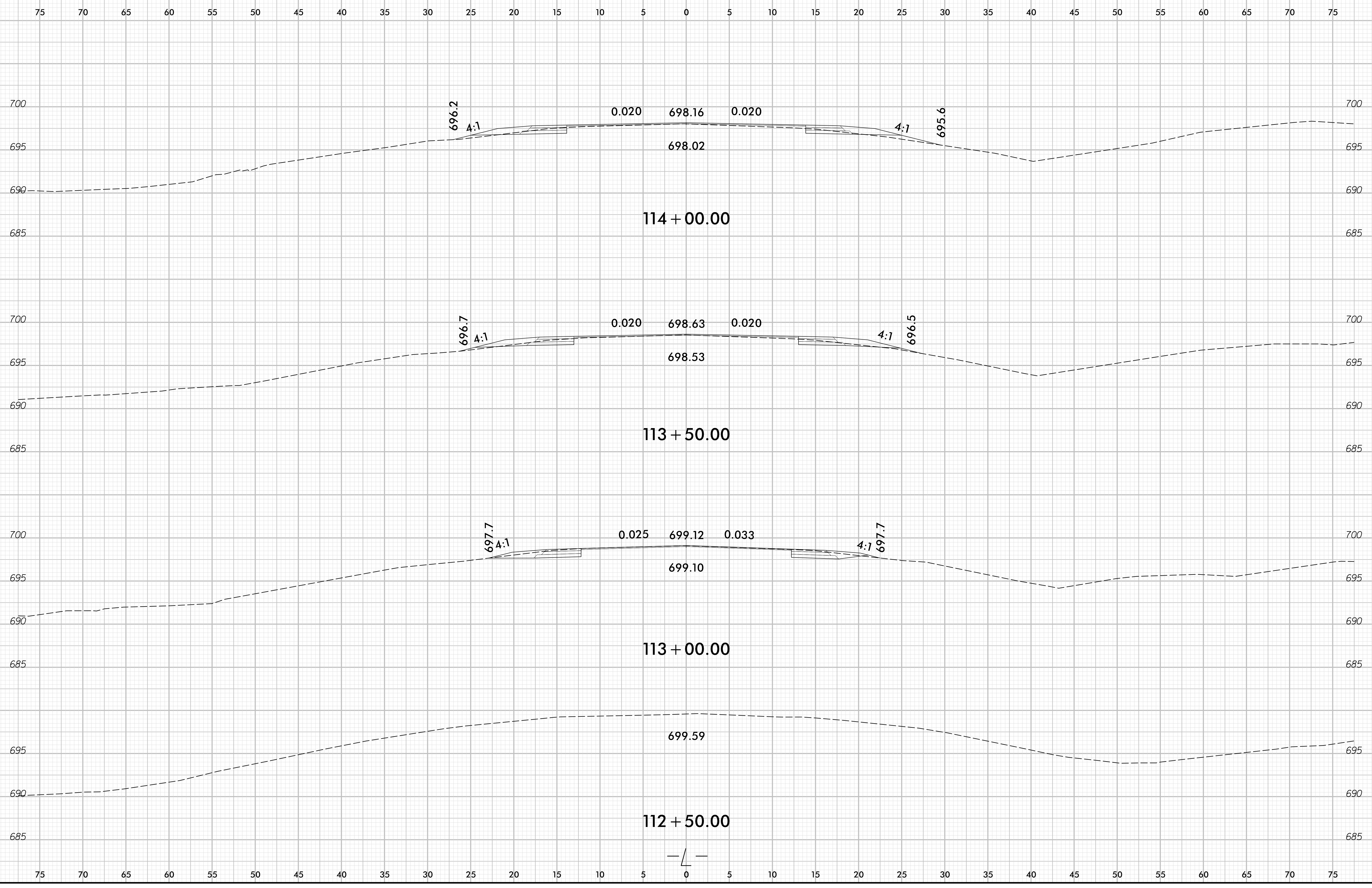
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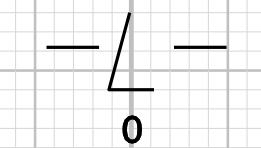
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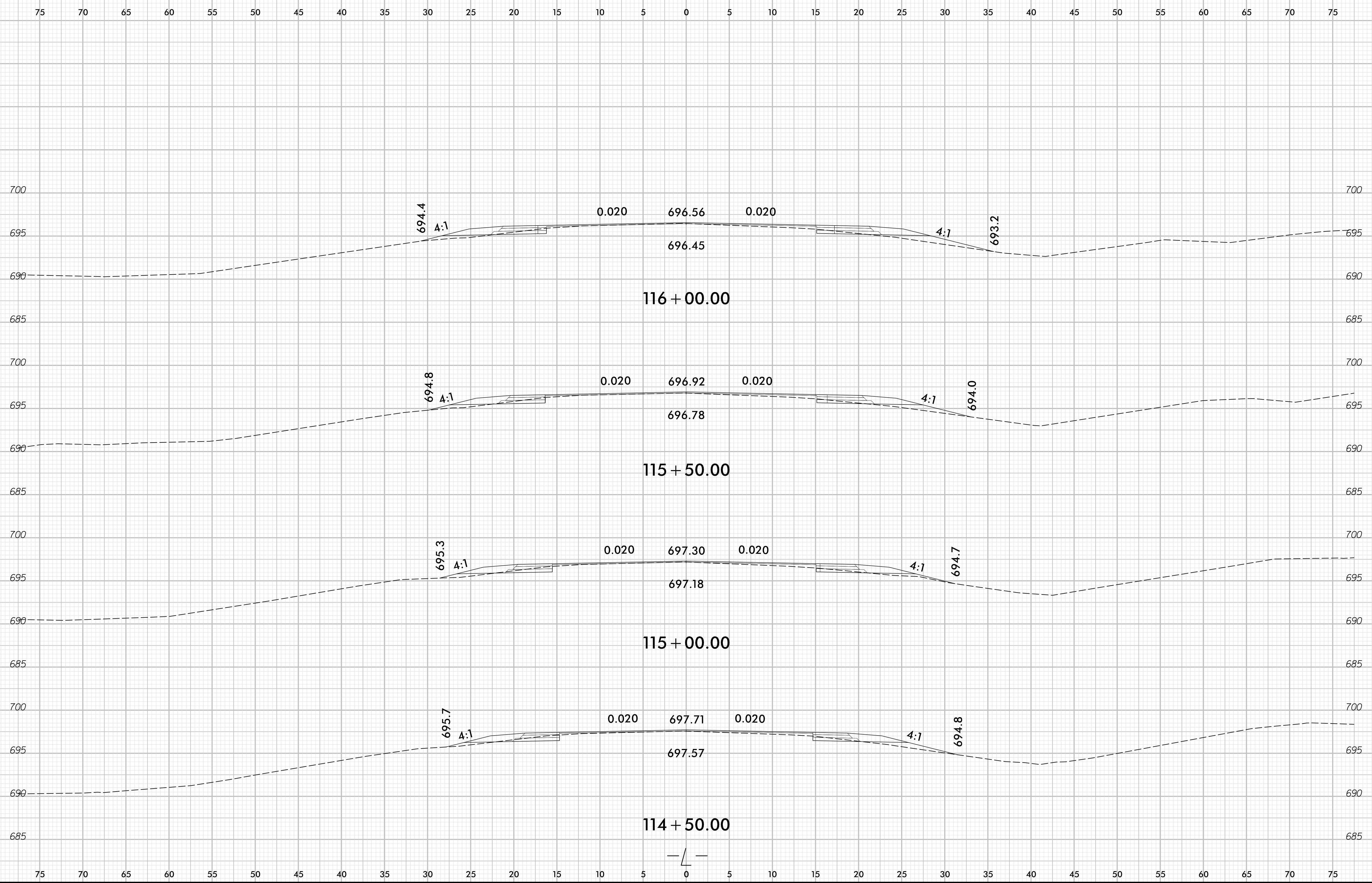
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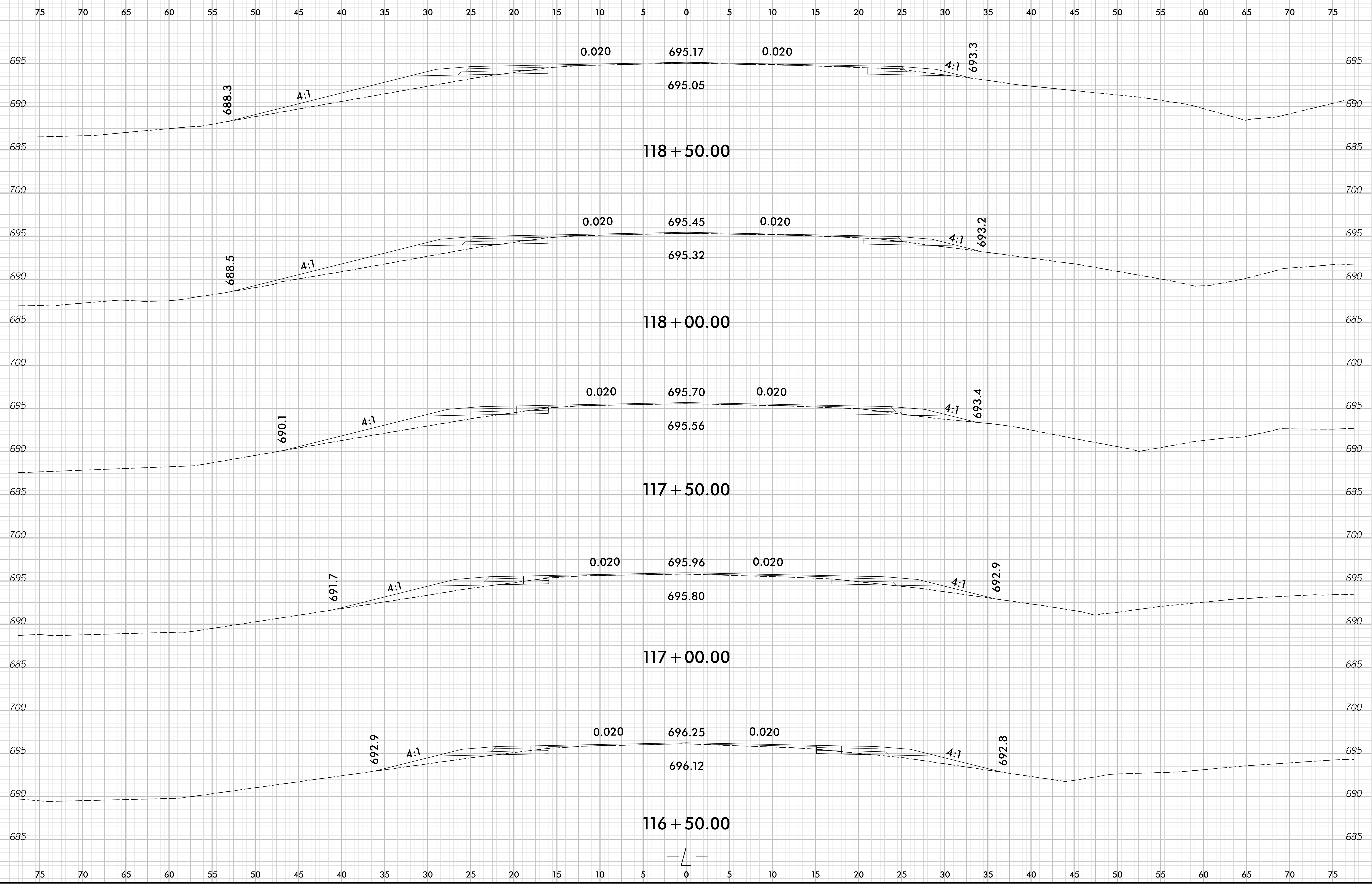
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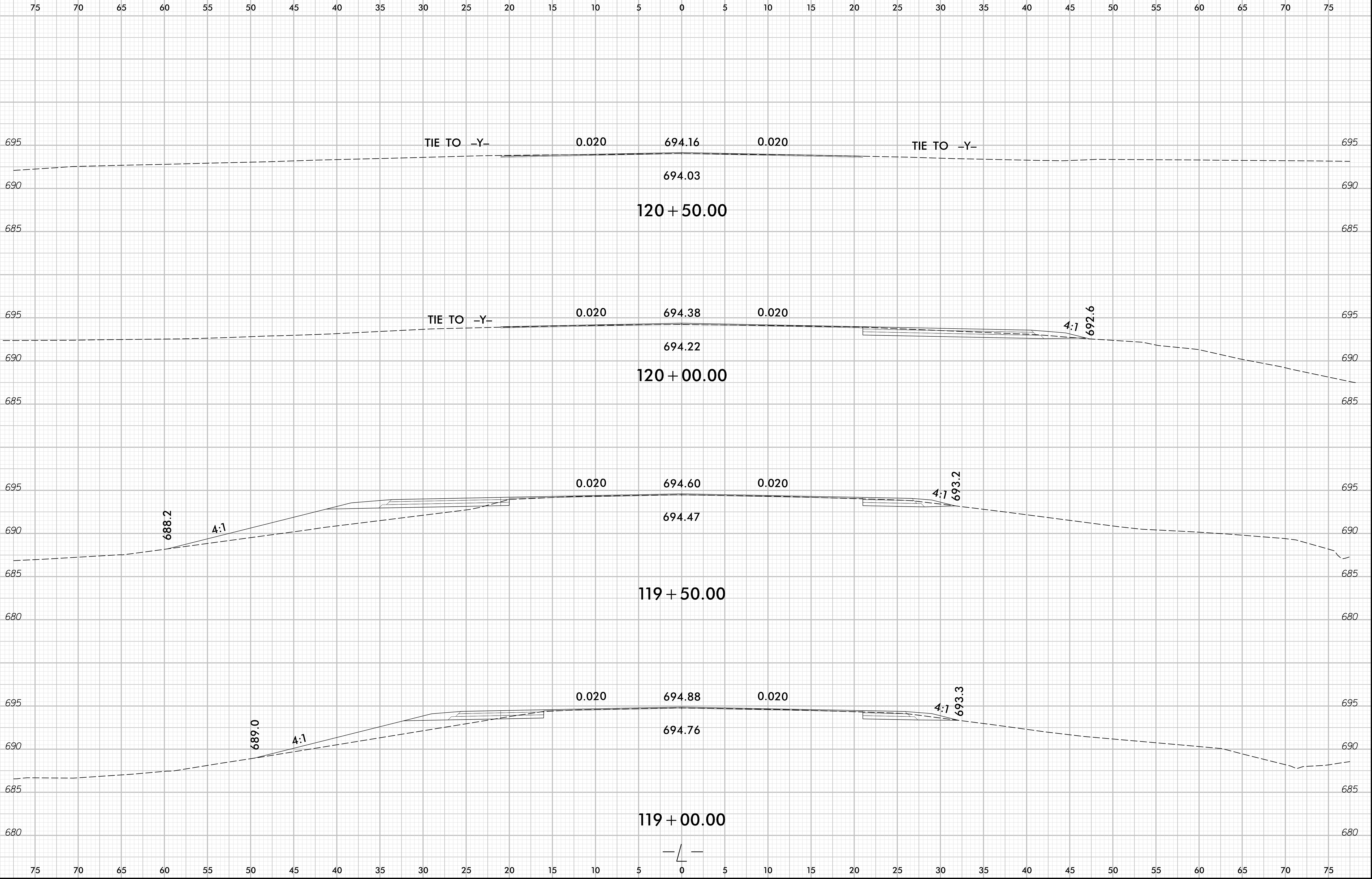


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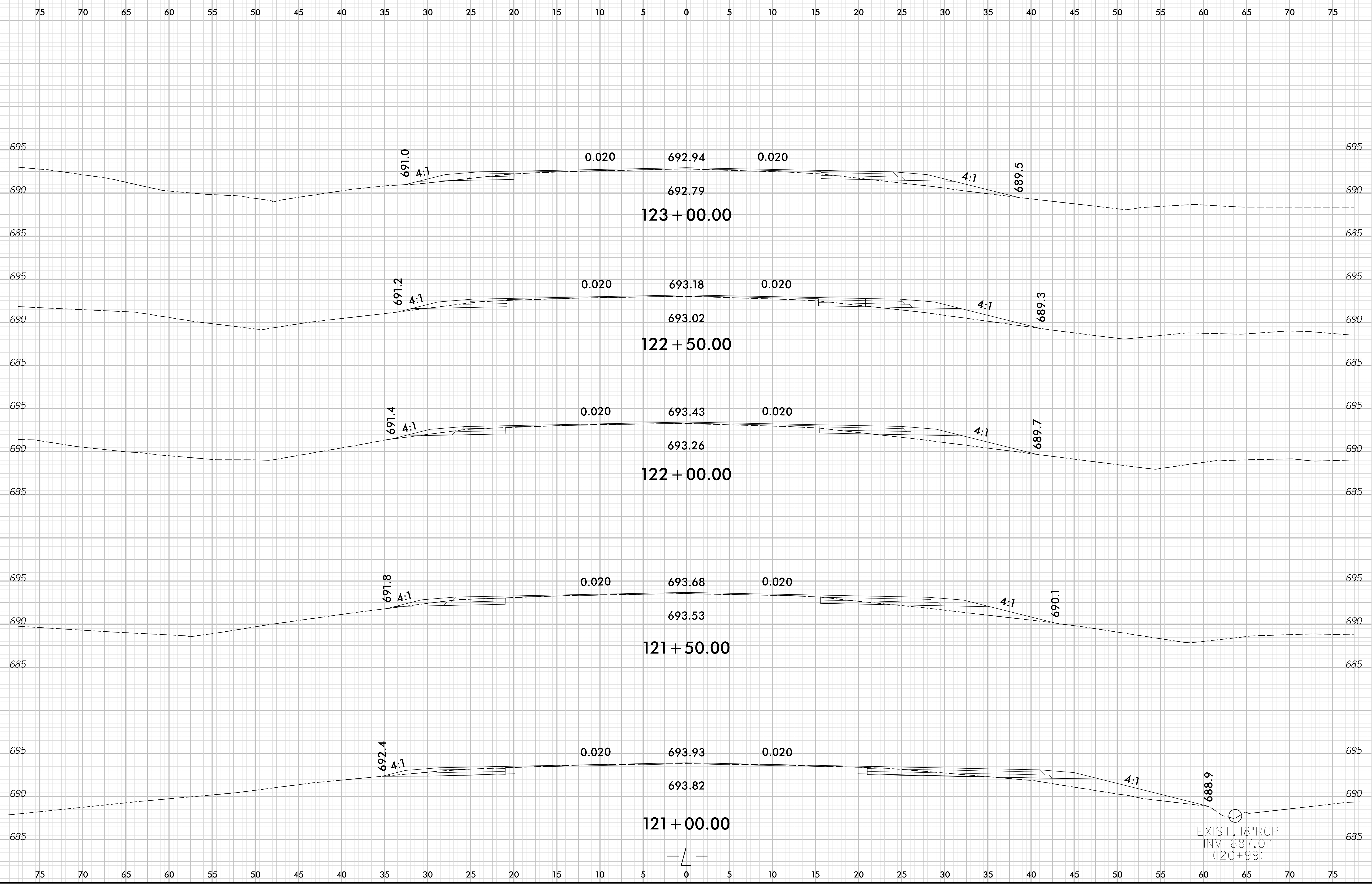






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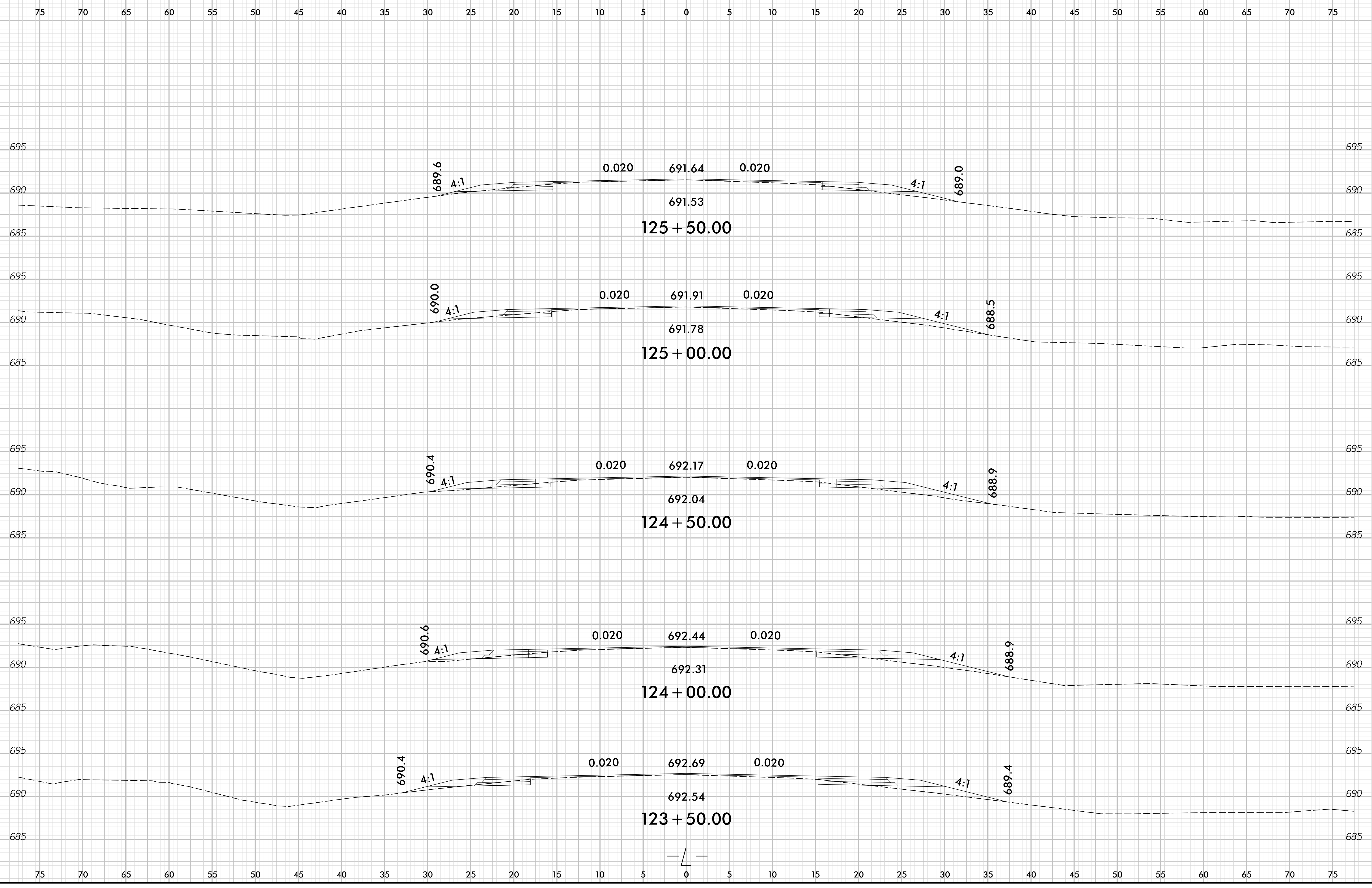


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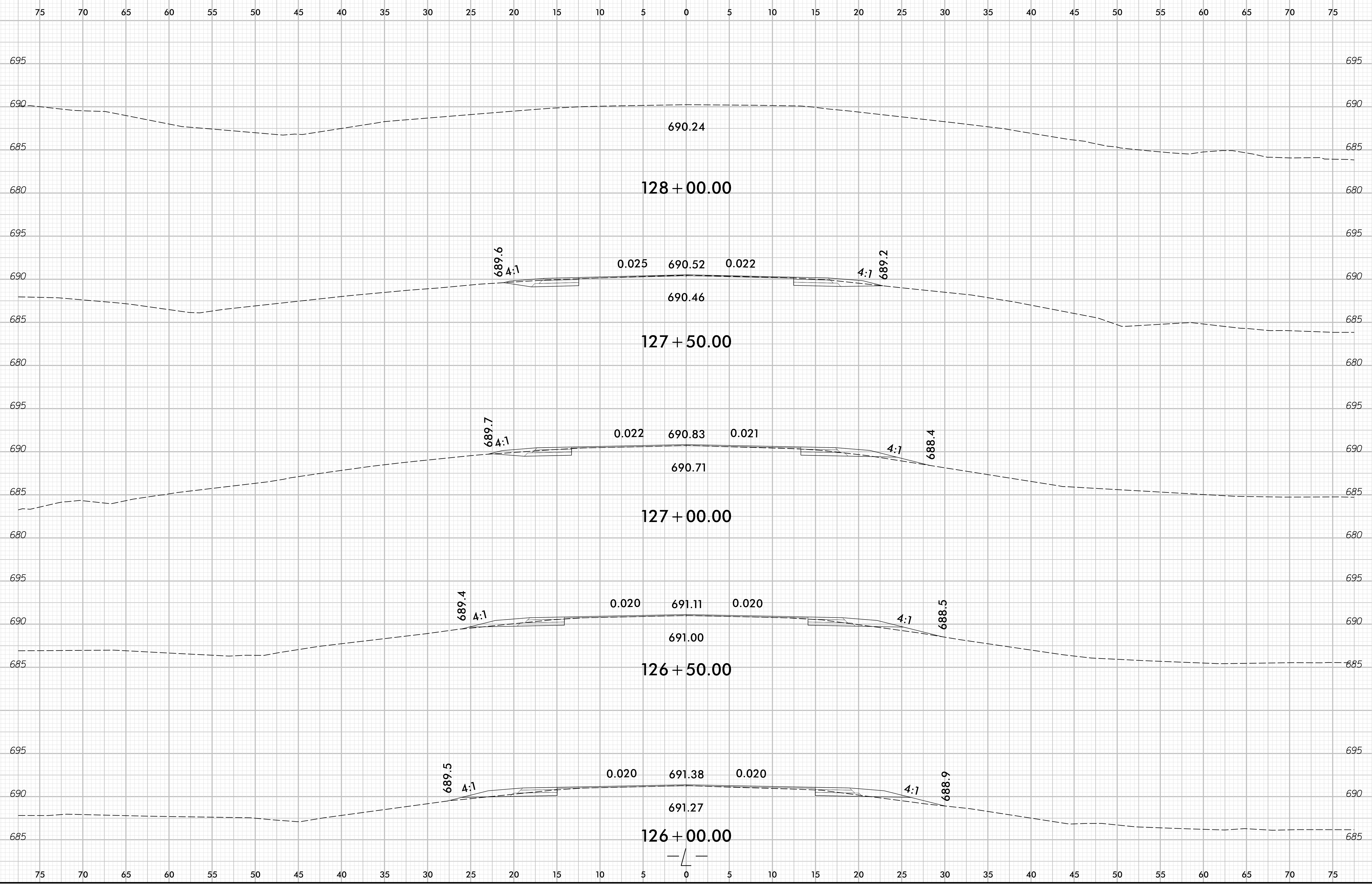
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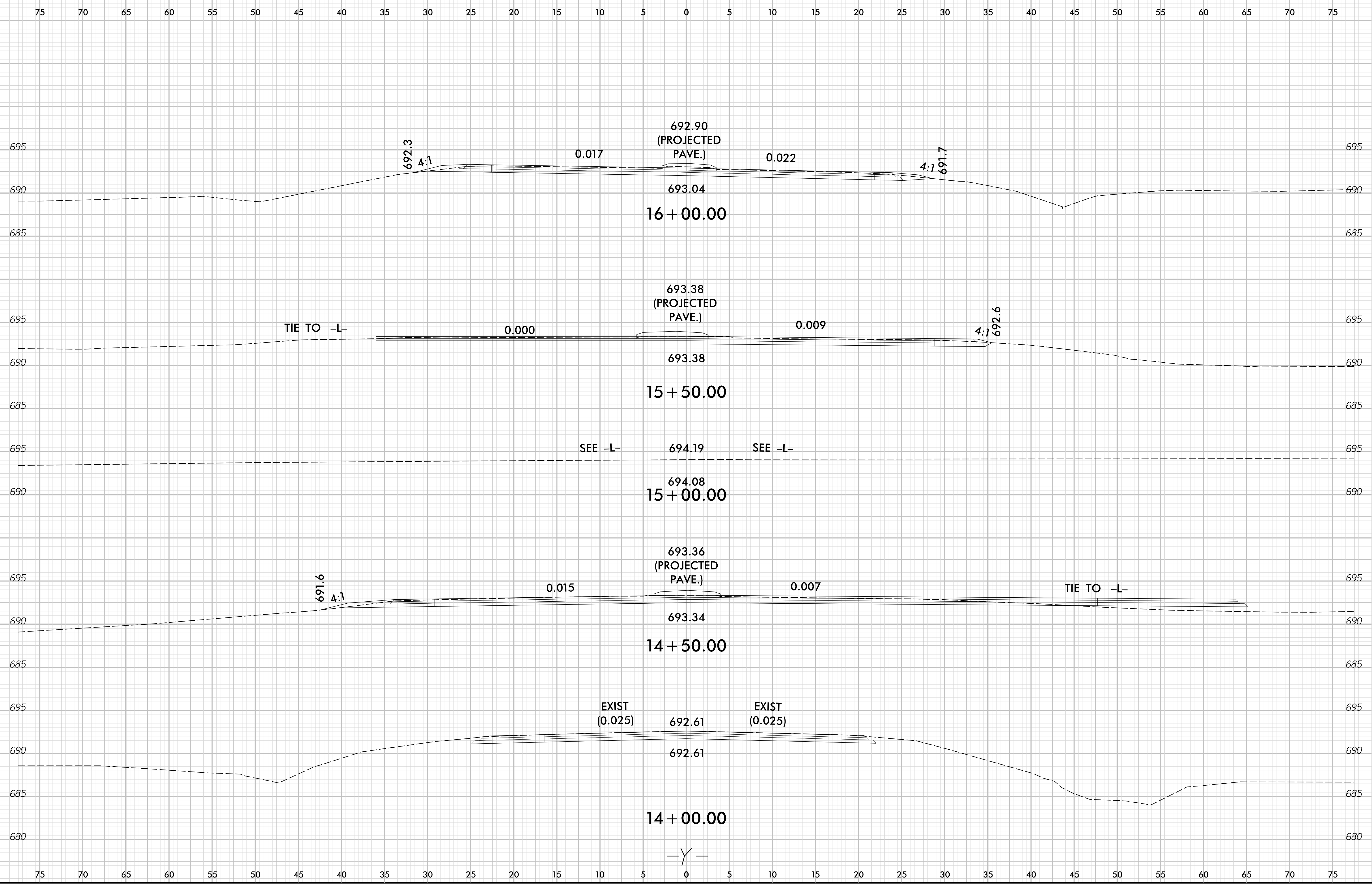
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