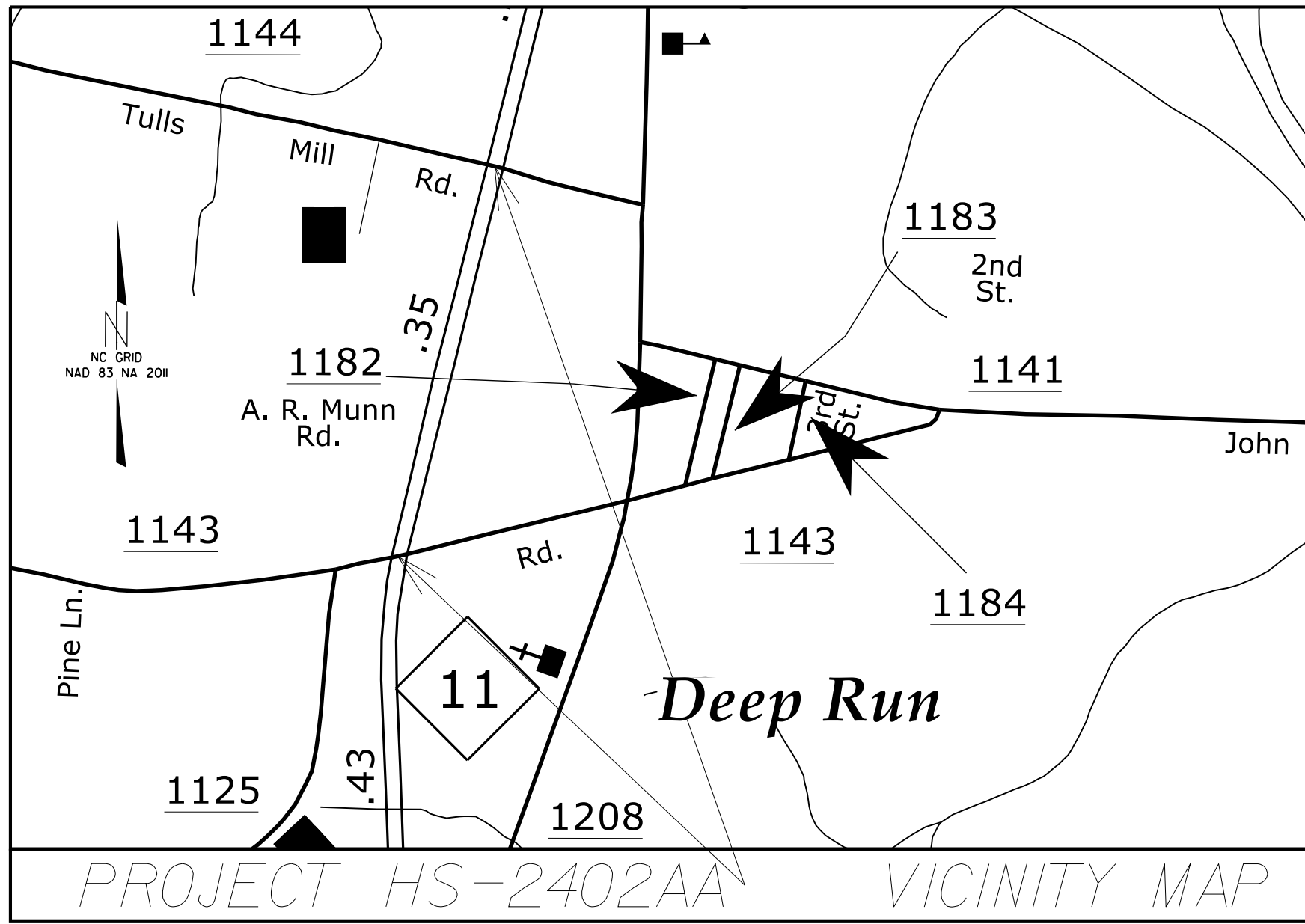


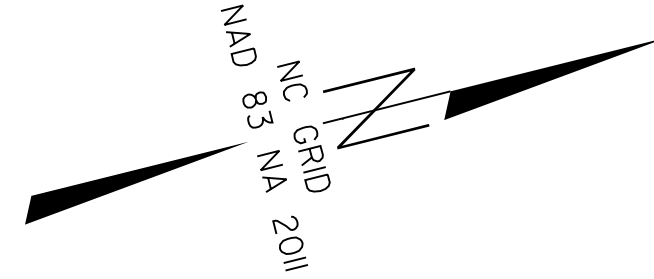
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rgoodley

TIP PROJECT: HS-2402AA

CONTRACT: DB000628



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
LENOIR COUNTY

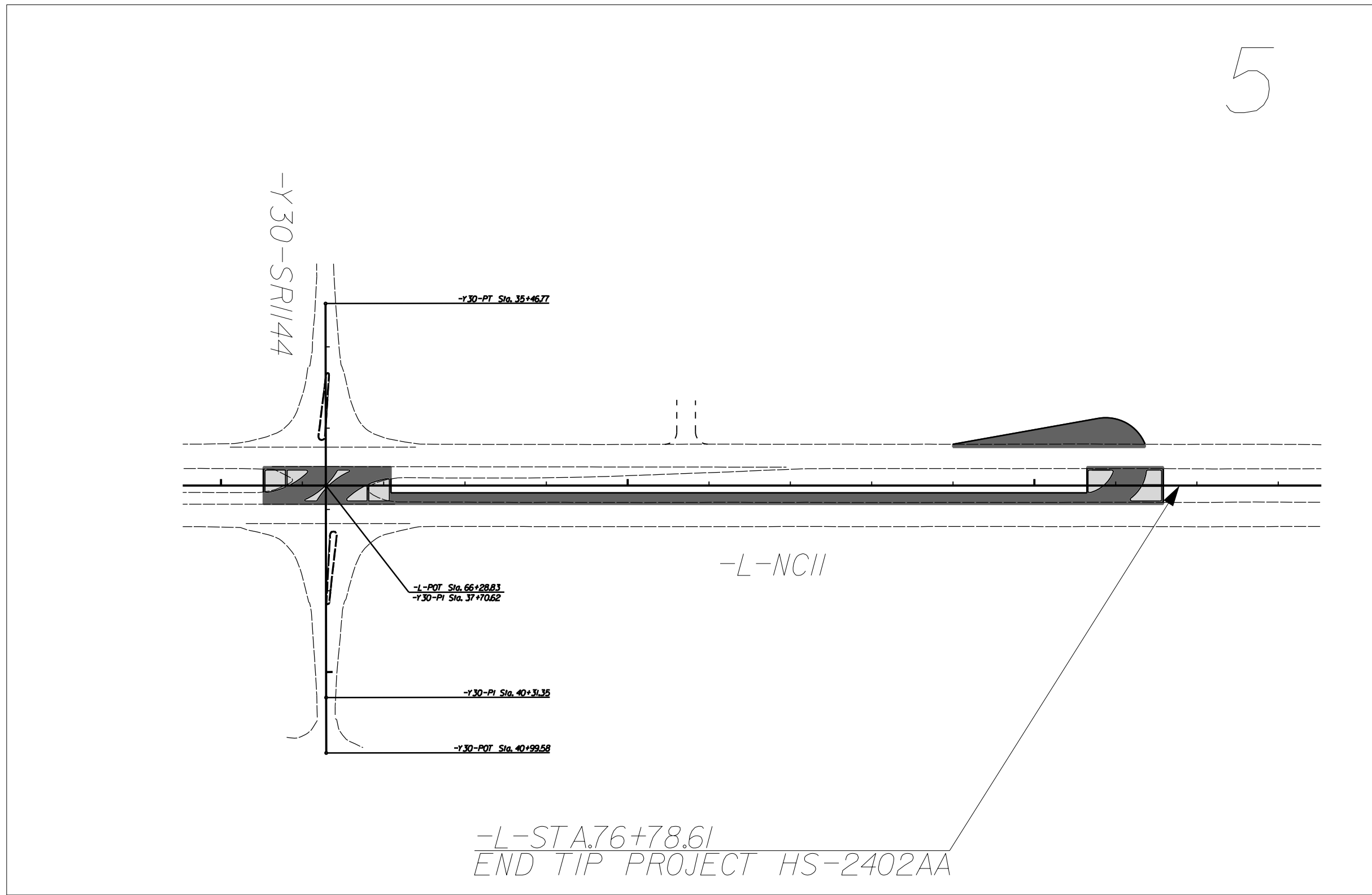
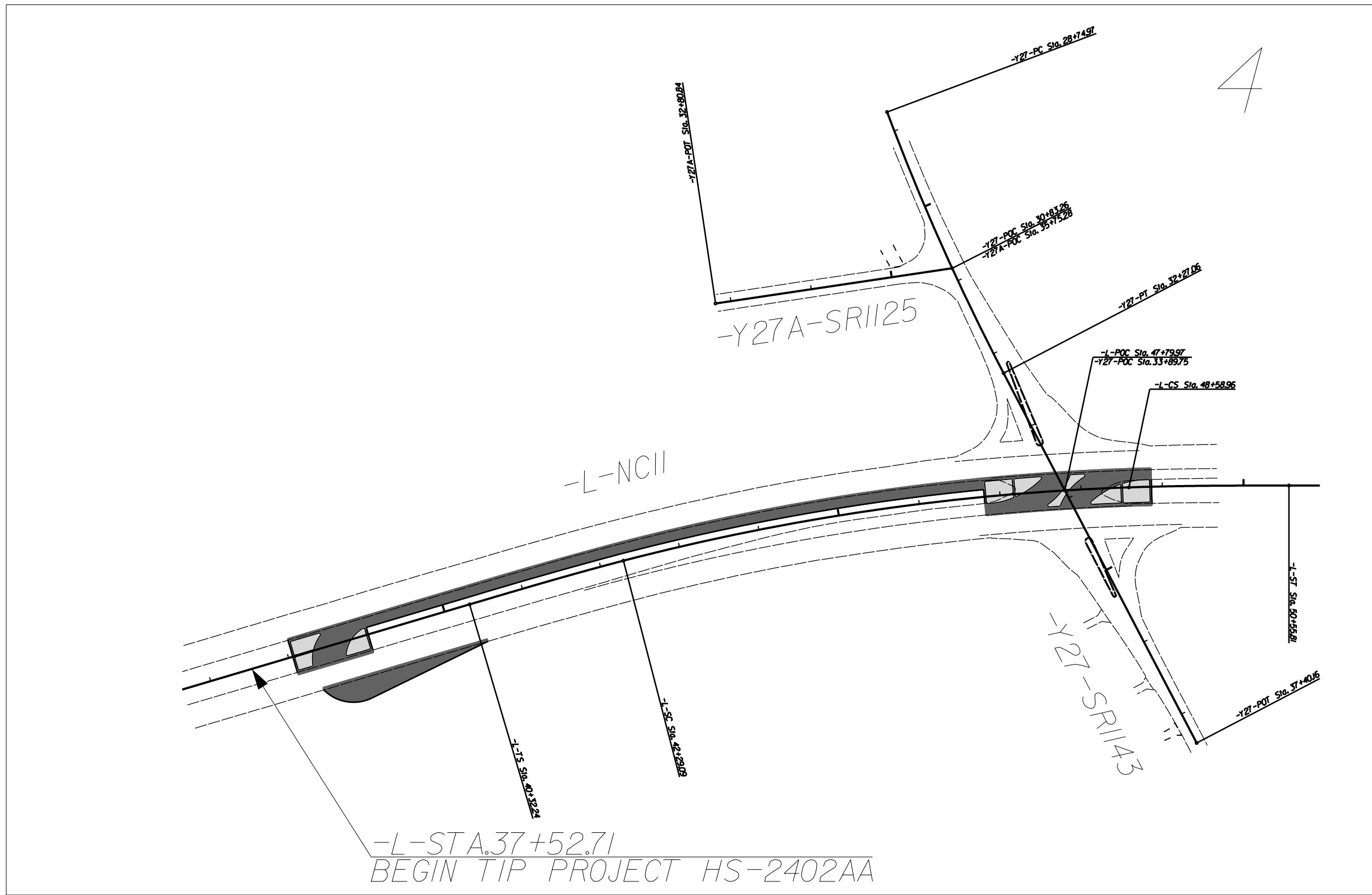


STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	HS-2402AA	1	33
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
50974.1.28		PE	
50974.3.28		CONST	

LOCATION: NC 11

FROM 1,000 FT SOUTH OF SR 1143 (LIDDELL ROAD) TO
1,000 FT NORTH OF SR 1144 (TULLS MILL ROAD)
NEAR DEEP RUN

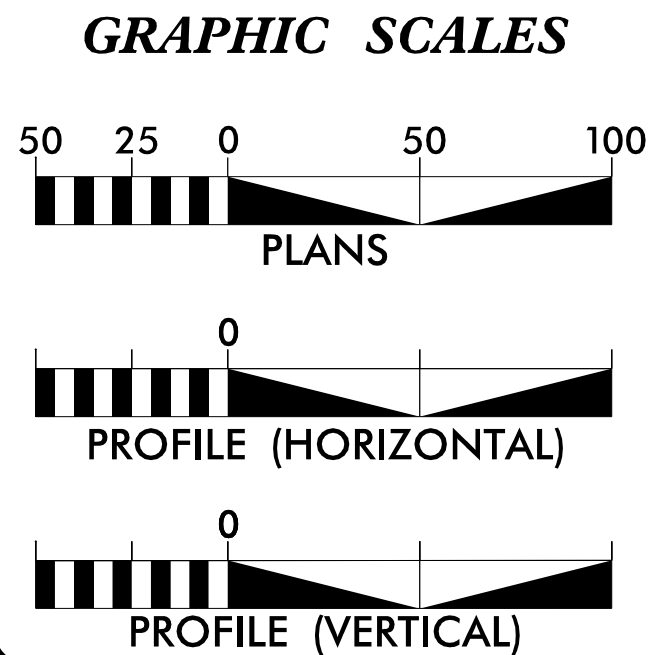
TYPE OF WORK: GRADING, DRAINAGE AND PAVING
CLOSE TWO (2) FULL-MOVEMENT CROSSOVERS
AND INSTALL TWO (2) UNSIGNALIZED
REDUCED CONFLICT INTERSECTIONS (RCI'S)



THIS PROJECT IS LOCATED WITHIN AN
EXISTING CONTROL OF ACCESS RIGHT OF WAY

See Sheet 1A For Index of Sheets

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



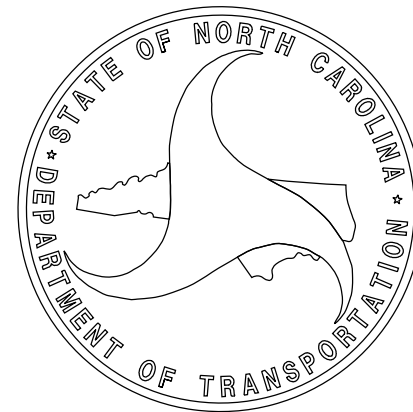
DESIGN DATA
ADT 2023 = 8,500
ADT 2053 = 9,052
K = 10 %
D = 60 %
T = 3% % *
V = 60 MPH
* TTST = 1% DUAL 2%
FUNC CLASS =
MAJOR COLLECTOR
SUBREGIONAL TIER

PROJECT LENGTH

TIP PROJECT HS-2402AA LENGTH = 0.743MI

Prepared In the Office of:
DIVISION OF HIGHWAYS
1037 WH SMITH BLVD., GREENVILLE, NC 27834
2024 STANDARD SPECIFICATIONS
RIGHT OF WAY DATE: HEATHER C. LANE, PE
PROJECT ENGINEER
LETTING DATE: RICH GODLEY
PROJECT DESIGN ENGINEER
APRIL 2026

HYDRAULICS ENGINEER
Seal: 042582
Signature: Heather C. Lane
ROADWAY DESIGN ENGINEER
Seal: 042582
Signature: Heather C. Lane



INDEX OF SHEETS	
SHEET NUMBER	SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS
1B	CONVENTIONAL SYMBOLS
2A-1 THRU 2A-4	PAVEMENT SCHEDULE AND TYPICAL SECTIONS
2B-1 THRU 2B-2	MONOLITHIC CONCRETE ISLAND LAYOUT DETAIL
2D	OFFSET DROP INLET DETAIL
3B	EARTHWORK AND DRAINAGE SUMMARIES
4 THRU 5	PLAN SHEET
RW02C	SURVEY CONTROL SHEETS
TMP-1B	TRANSPORTATION OPERATIONS PLAN
PMP-1 THRU PMP-2	PAVEMENT MARKING PLANS
EC-1 THRU EC-5A	EROSION CONTROL PLANS
X-1A	CROSS-SECTION SUMMARY SHEET
X-1 THRU X-7	CROSS-SECTIONS

GENERAL NOTES:

2024 SPECIFICATIONS
EFFECTIVE: 01-16-2024
REVISED:

GRADE LINE:
GRADING AND SURFACING:

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. GRADE LINES MAY BE ADJUSTED AT THEIR BEGINNING AND ENDING AND AT STRUCTURES AS DIRECTED 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 11.

SUPERELEVATION:

ALL CURVES ON THIS PROJECT SHALL BE SUPERELEVATED IN ACCORDANCE WITH STD. NO. 225.05 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.

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 BRIGHTSPEED, DUKE ENERGY, NCDOT, DEEP RUN WATER CORPORATION, NFINITYLINK COMMUNICATIONS INC, TRI COUNTY ELECTRIC MEMBERSHIP CORP, TOWN OF PINK HILL, SUDDENLINK COMMUNICATIONS, CHARTER COMMUNICATIONS

2024 ROADWAY ENGLISH STANDARD DRAWINGS

EFF. 01-16-2024
REV.

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:

STD.NO.	TITLE
DIVISION 2 - EARTHWORK	
200.02	Method of Clearing - Method II
225.02	Guide for Grading Subgrade - Secondary and Local
225.05	Method of Obtaining Superelevation - Divided Highways
DIVISION 3 - PIPE CULVERTS	
300.01	Method of Pipe Installation
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

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	

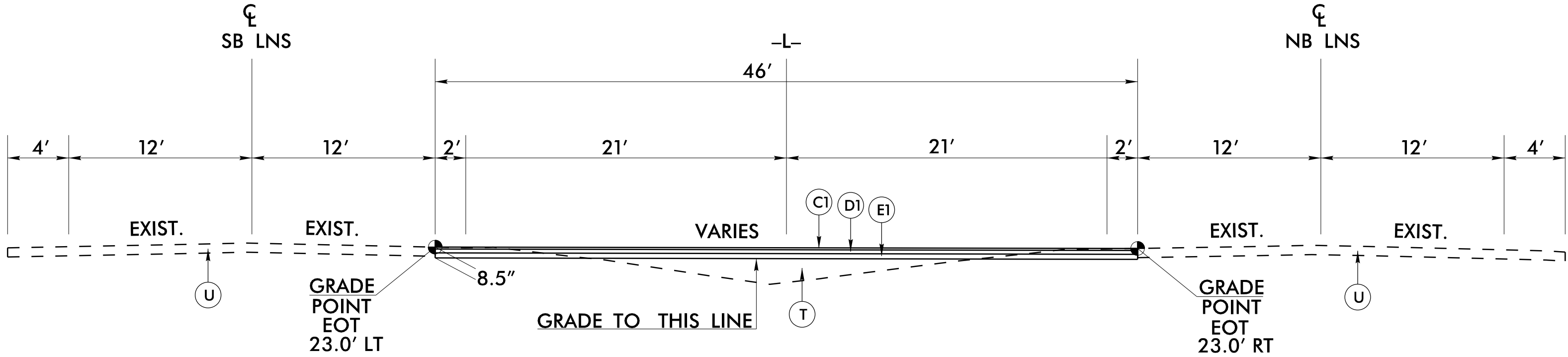
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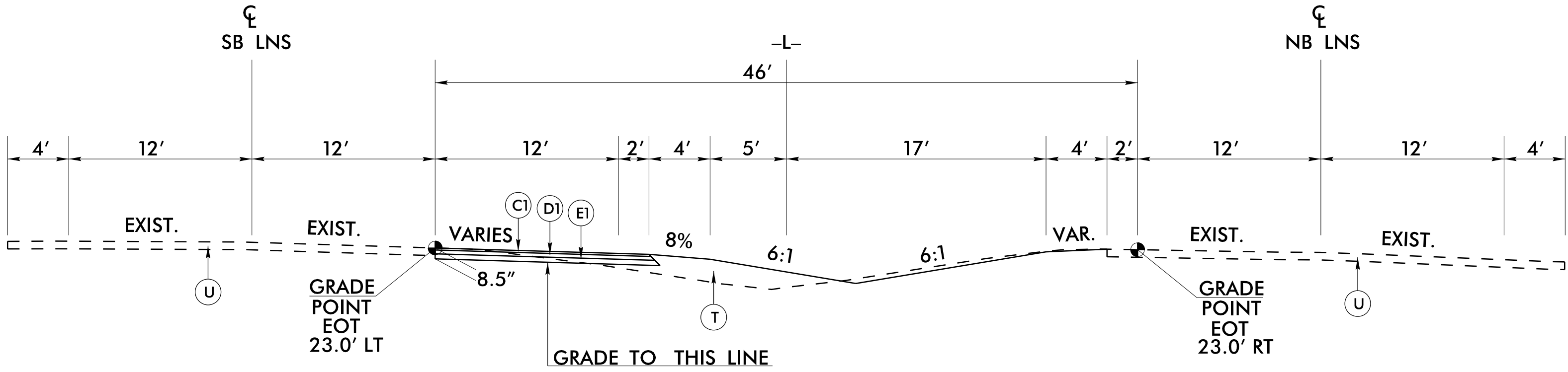
REVISIONS

PAVEMENT SCHEDULE	
FINAL PAVEMENT DESIGN	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
D1	PROP. APPROX. 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
E1	PROP. APPROX. 4" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.

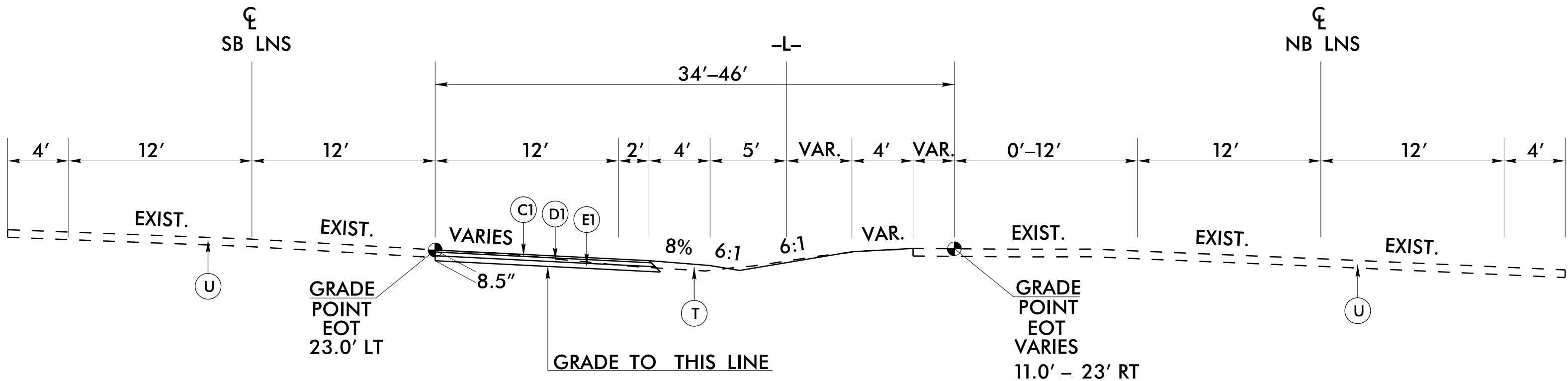
NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



USE TYPICAL SECTION NO.1
MEDIAN CROSSOVER
-L-STA.38+05.39 - STA.39+02.15
"SEE X-SECTIONS"



USE TYPICAL SECTION NO.2
-L-STA.39+02.15 - STA.41+00.00
"SEE X-SECTIONS"



USE TYPICAL SECTION NO.3
-L-STA.41+00.00 - STA.46+80.55
"SEE X-SECTIONS"

DRAWING NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
HS-2402AA	2A-1
THIS SHEET CORRESPONDS WITH PLAN SHEET NO. 4	
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

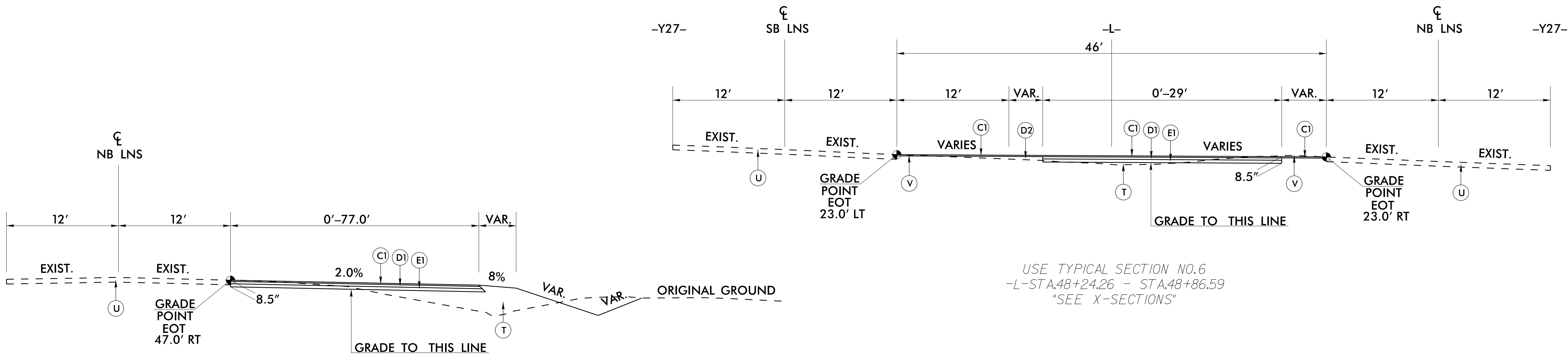
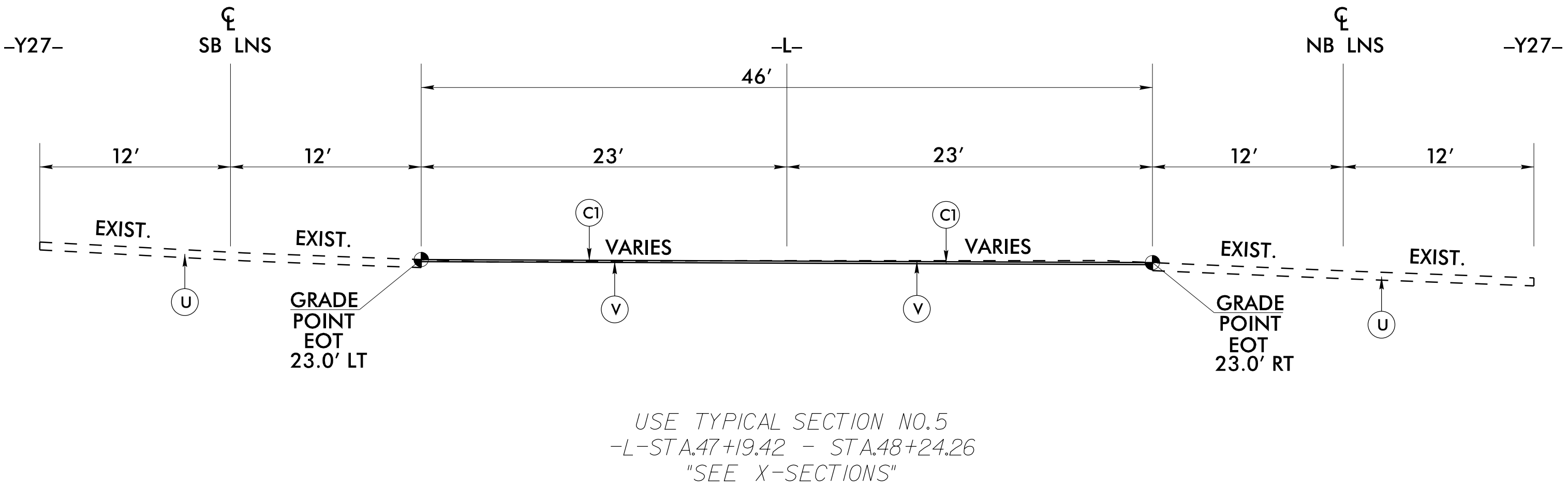
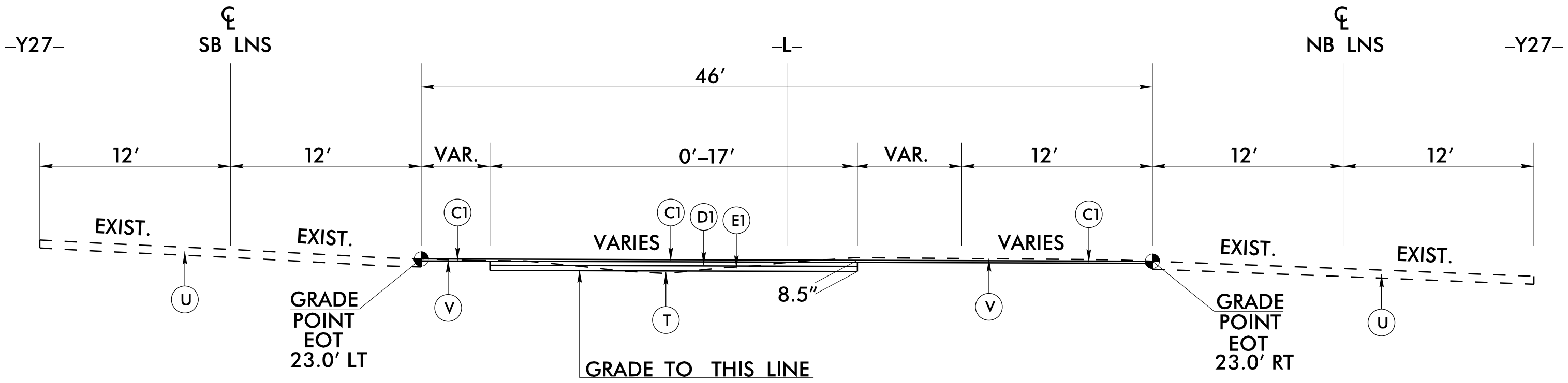
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REVISIONS

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PAVEMENT SCHEDULE	
FINAL PAVEMENT DESIGN	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
D1	PROP. APPROX. 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 342 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 PLACED IN LAYERS NOT LESS THAN 2½" IN DEPTH OR GREATER THAN 4" IN DEPTH.
E1	PROP. APPROX. 4" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.
V	PROP. INCIDENTAL MILLING

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



USE TYPICAL SECTION NO.7
-L-STA.38+30.30 - STA.40+40.92 RT
"SEE X-SECTIONS"

DRAWING NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
HS-2402AA	2A-2
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ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
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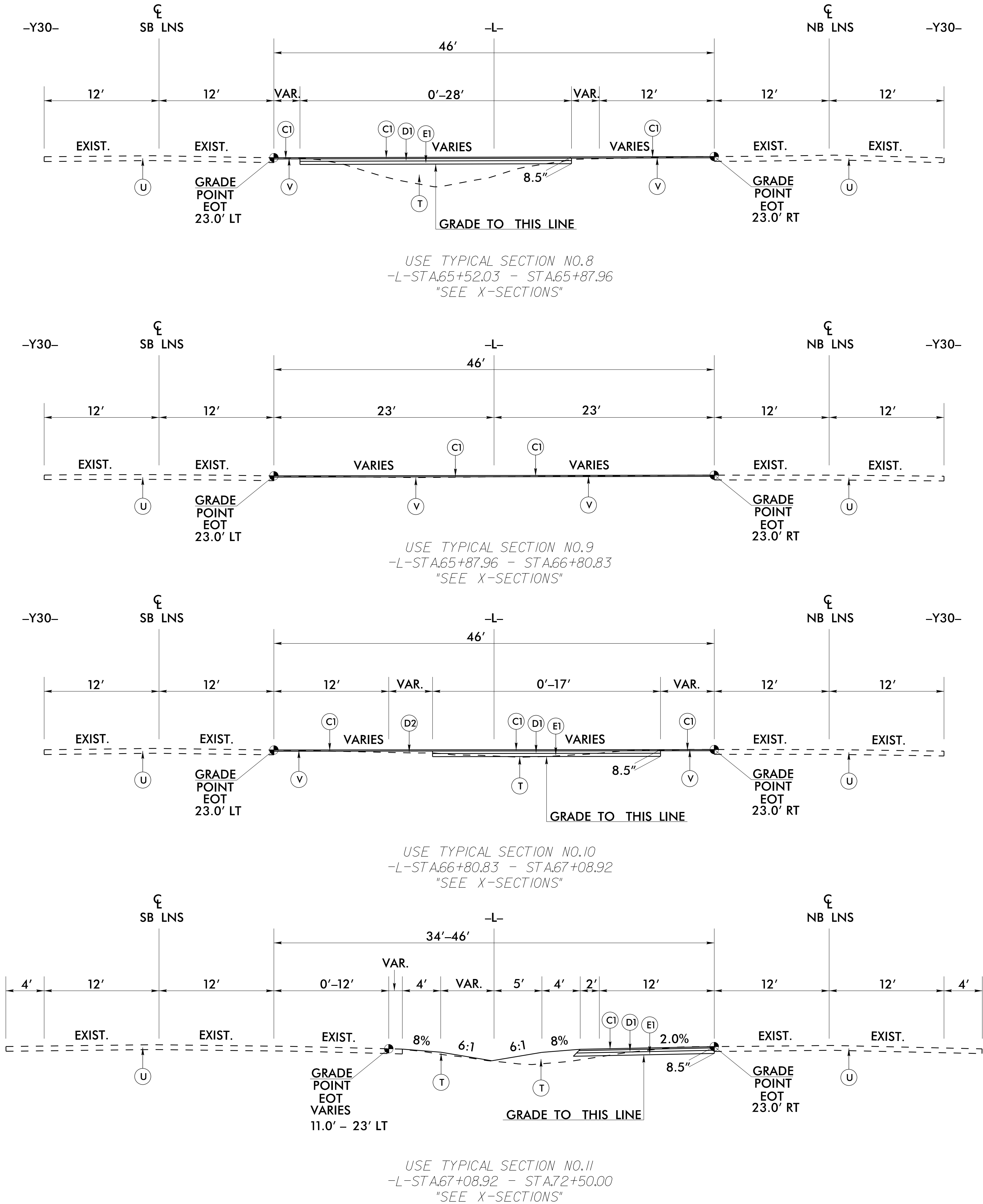
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REVISIONS

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PAVEMENT SCHEDULE	
FINAL PAVEMENT DESIGN	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
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T	EARTH MATERIAL.
U	EXISTING PAVEMENT.
V	PROP. INCIDENTAL MILLING

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



PROJECT REFERENCE NO.	SHEET NO.
HS-2402AA	2A-3
THIS SHEET CORRESPONDS WITH PLAN SHEET NO. 5	
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

DRAWING NOT TO SCALE

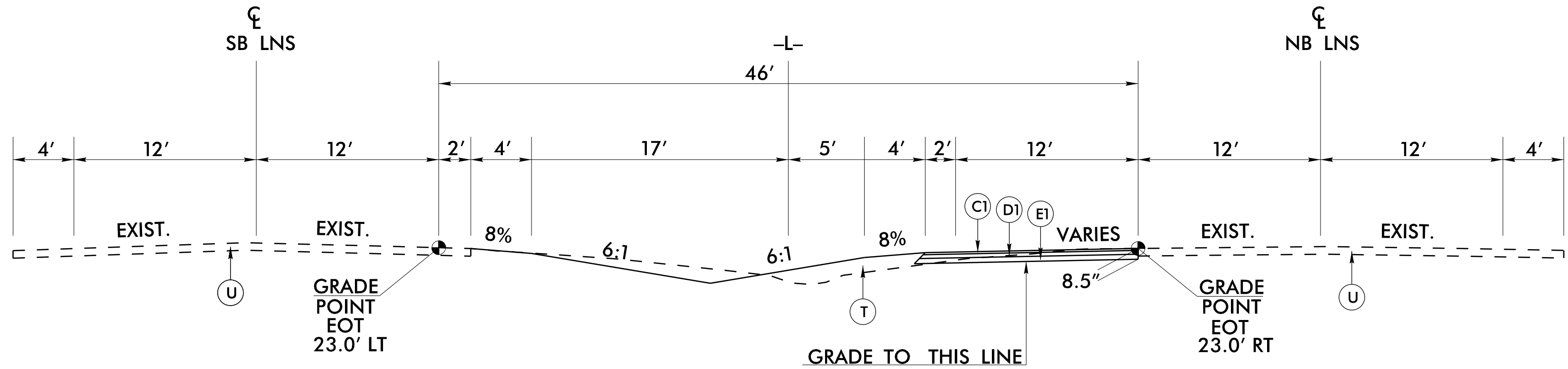
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REVISIONS

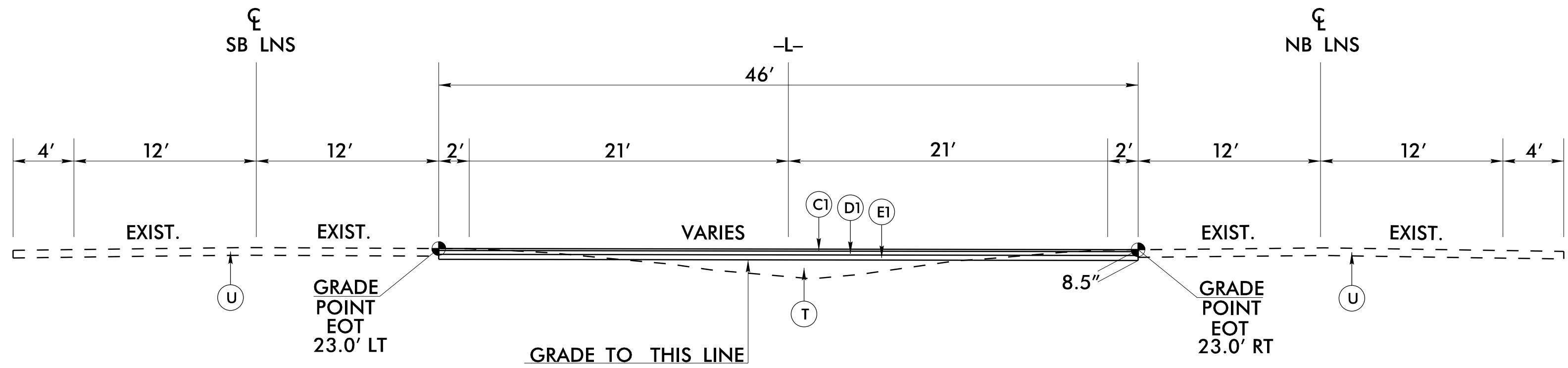
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PAVEMENT SCHEDULE	
FINAL PAVEMENT DESIGN	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
D1	PROP. APPROX. 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
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T	EARTH MATERIAL.
U	EXISTING PAVEMENT.

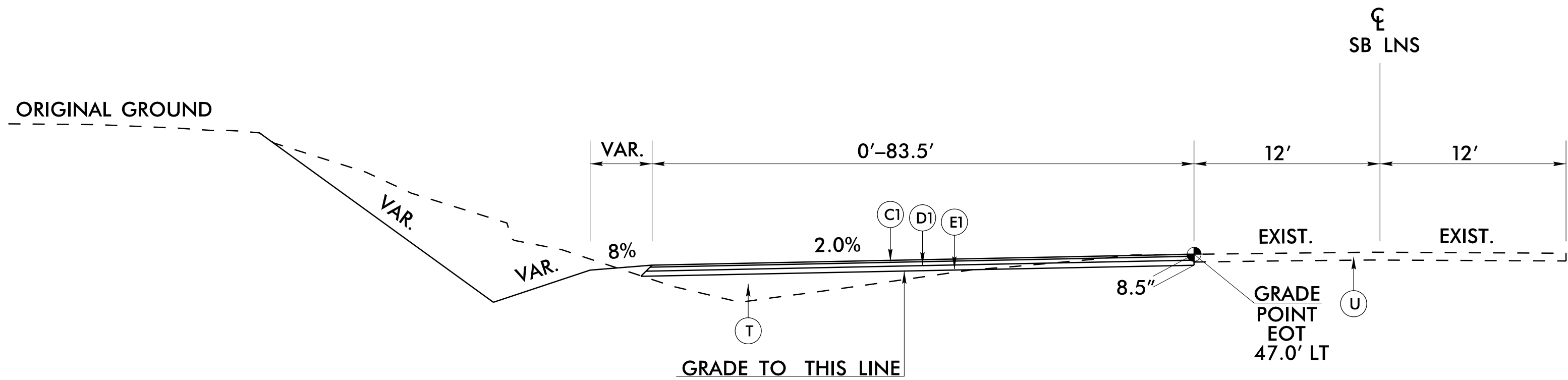
NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



USE TYPICAL SECTION NO.12
-L-STA72+50.00 - STA75+64.78
"SEE X-SECTIONS"



USE TYPICAL SECTION NO.13
-L-STA75+64.78 - STA76+58.61
"SEE X-SECTIONS"



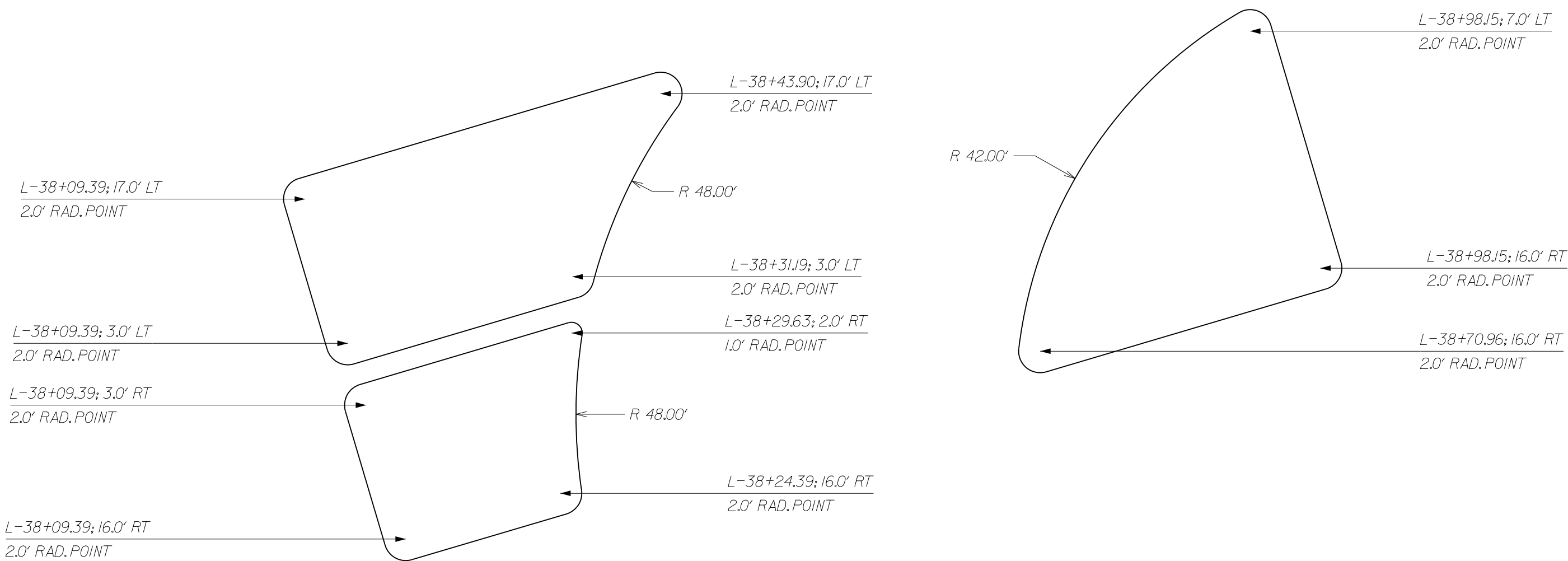
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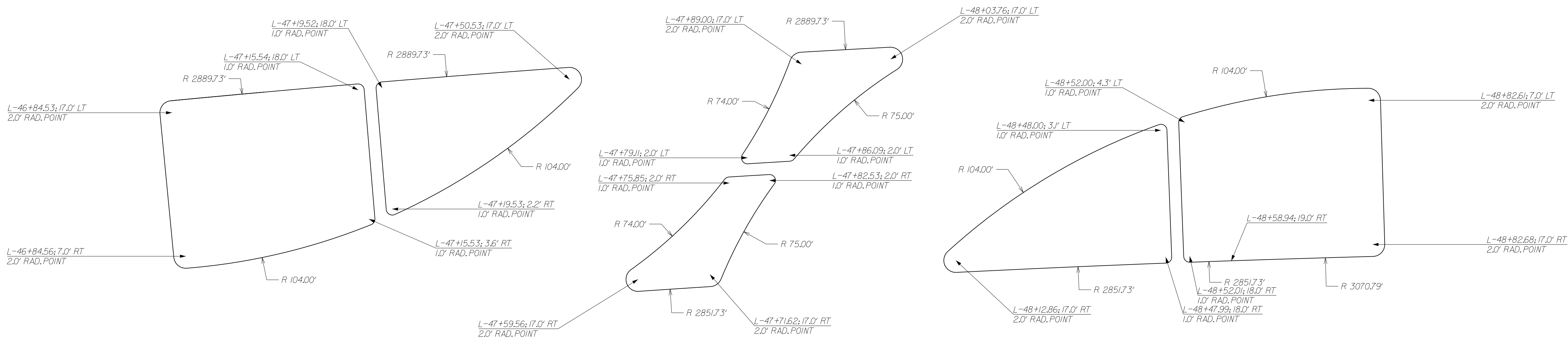
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ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

CONCRETE ISLAND LAYOUT DETAIL

★ALL ISLAND OPENINGS ARE 2.0' IN WIDTH★



LAYOUT FOR NCII MOST SOUTHERN MEDIAN CROSSOVER



LAYOUT FOR INTERSECTION OF NCII AT SR1143 (LIDDELL ROAD)

★DRAWING NOT TO SCALE★

REVISIONS

8/17/99

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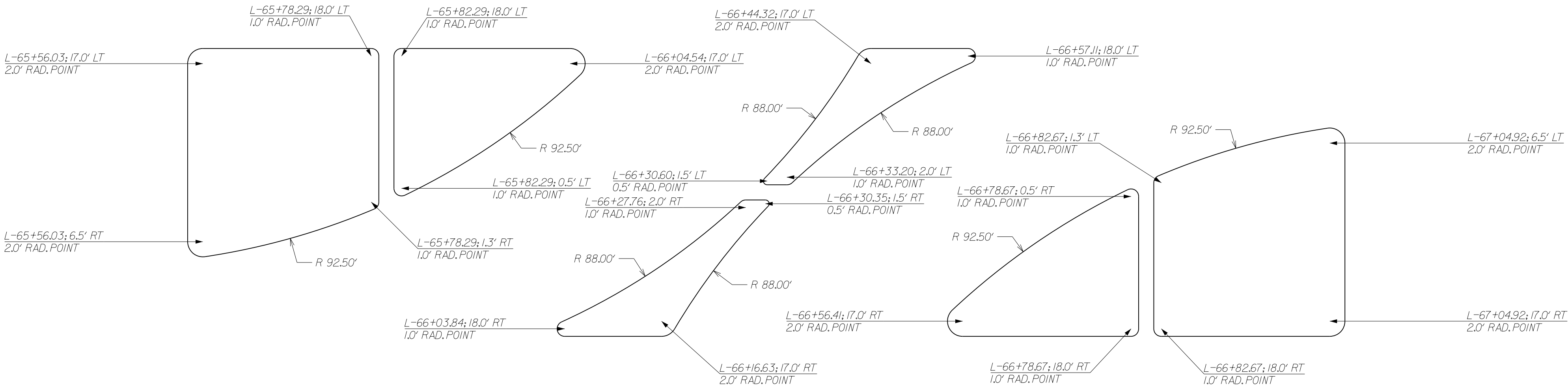
REVISIONS

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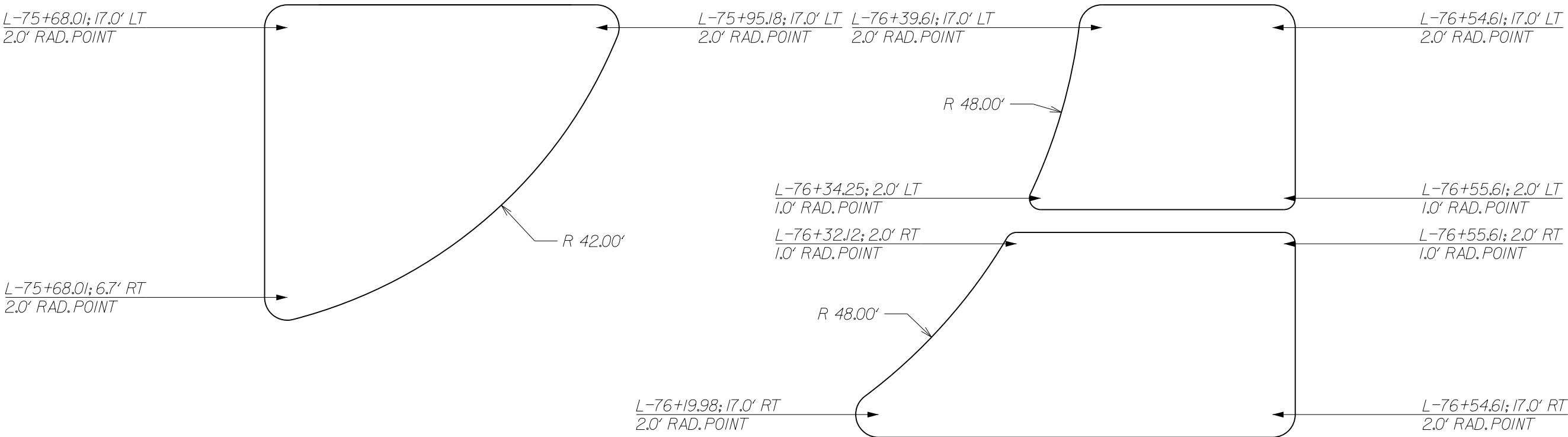
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HS-2402AA	2B-2
THIS DETAIL CORRESPONDS WITH PLAN SHEET NO. 5	

CONCRETE ISLAND LAYOUT DETAIL

★ALL ISLAND OPENINGS ARE 2.0' IN WIDTH★



LAYOUT FOR INTERSECTION OF NC11 AT SR1144 (TULLS MILL ROAD)



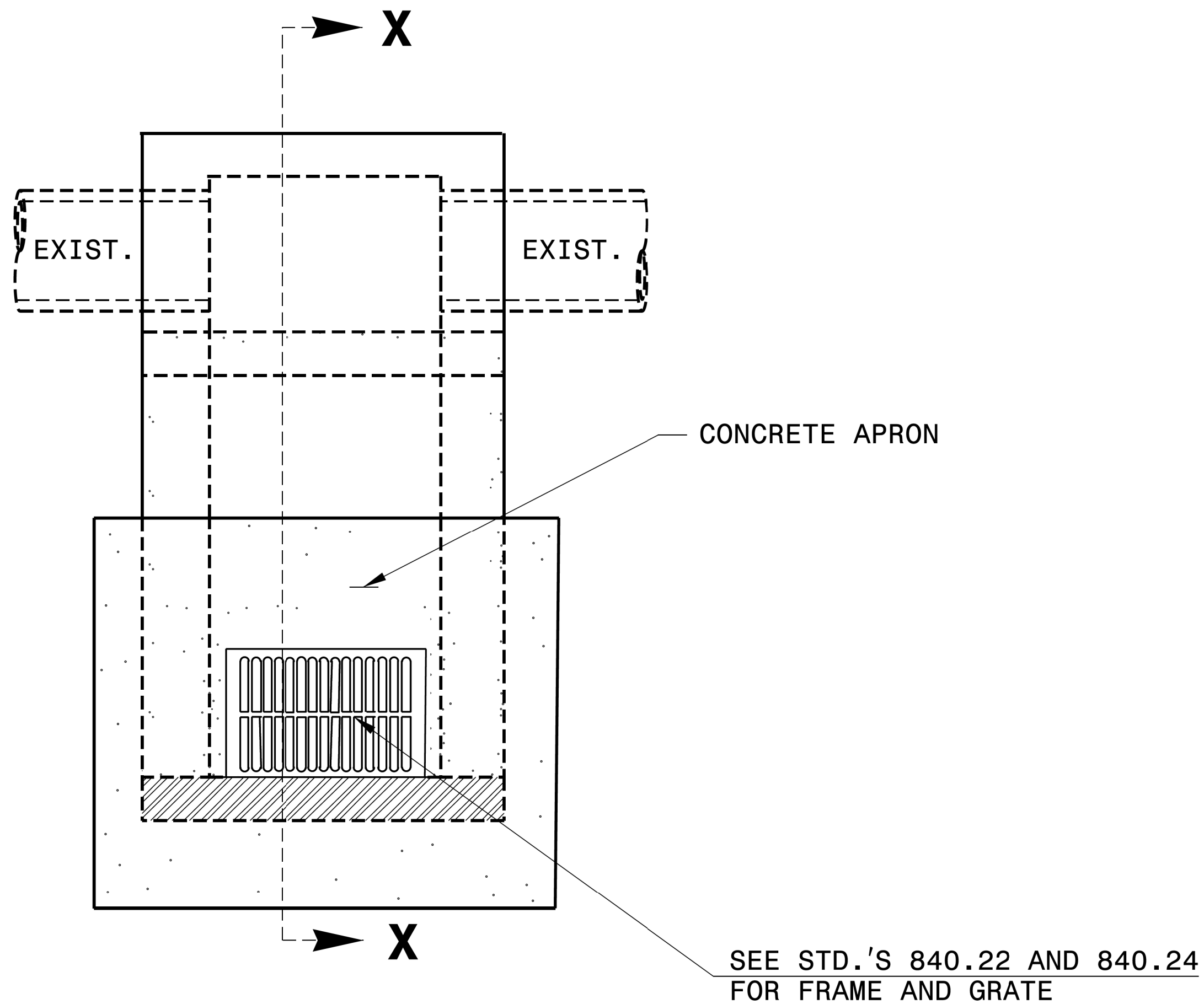
LAYOUT FOR NC11 MOST NORTHERN MEDIAN CROSSOVER

★DRAWING NOT TO SCALE★

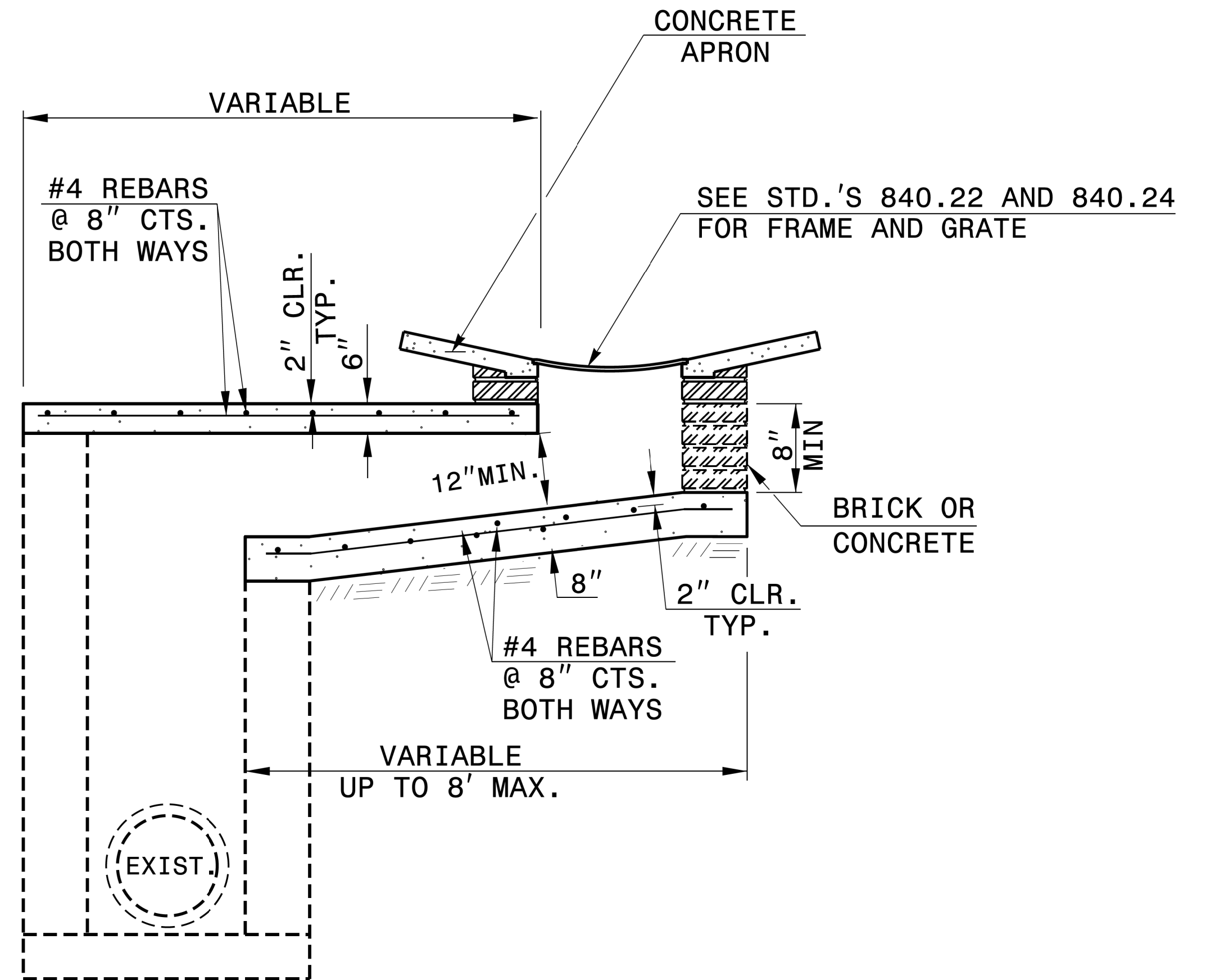
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REVISIONS

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PLAN



SECTION X-X

NOTES:

MORTAR JOINTS $\frac{1}{2}$ " TO $\frac{1}{4}$ " THICK.

USE CLASS "B" CONCRETE THROUGHOUT.

USE BRICK OR CONCRETE BLOCK WHICH COMPLIES WITH THE REQUIREMENTS OF SECTION 840 OF THE STANDARD SPECIFICATIONS.

CHAMFER ALL EXPOSED CORNERS 1".

DRAWING NOT TO SCALE.

PROJECT REFERENCE NO.	SHEET NO.
HS-2402AA	3B

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)

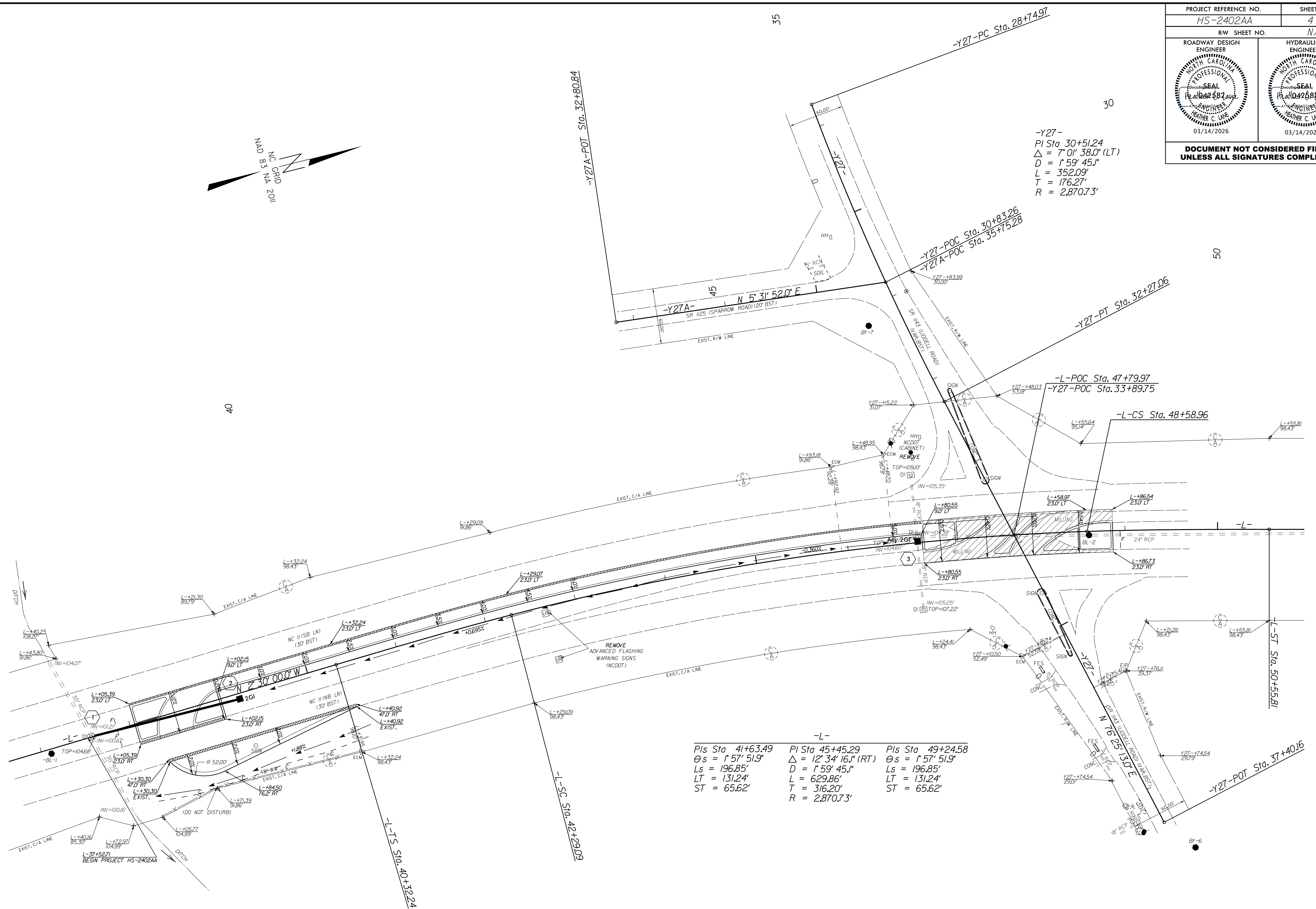
LUMP SUM EARTHWORK SUMMARY			
SECT.NO.	QUANTITY	UNIT	ITEM DESCRIPTION
200	2.2 AC	LS	CLEARING AND GRUBBING...ACRE(S)
500	1800 SY	LS	FINE GRADING

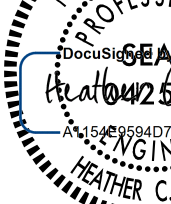
PAVEMENT REMOVAL SUMMARY IN SQUARE YARDS

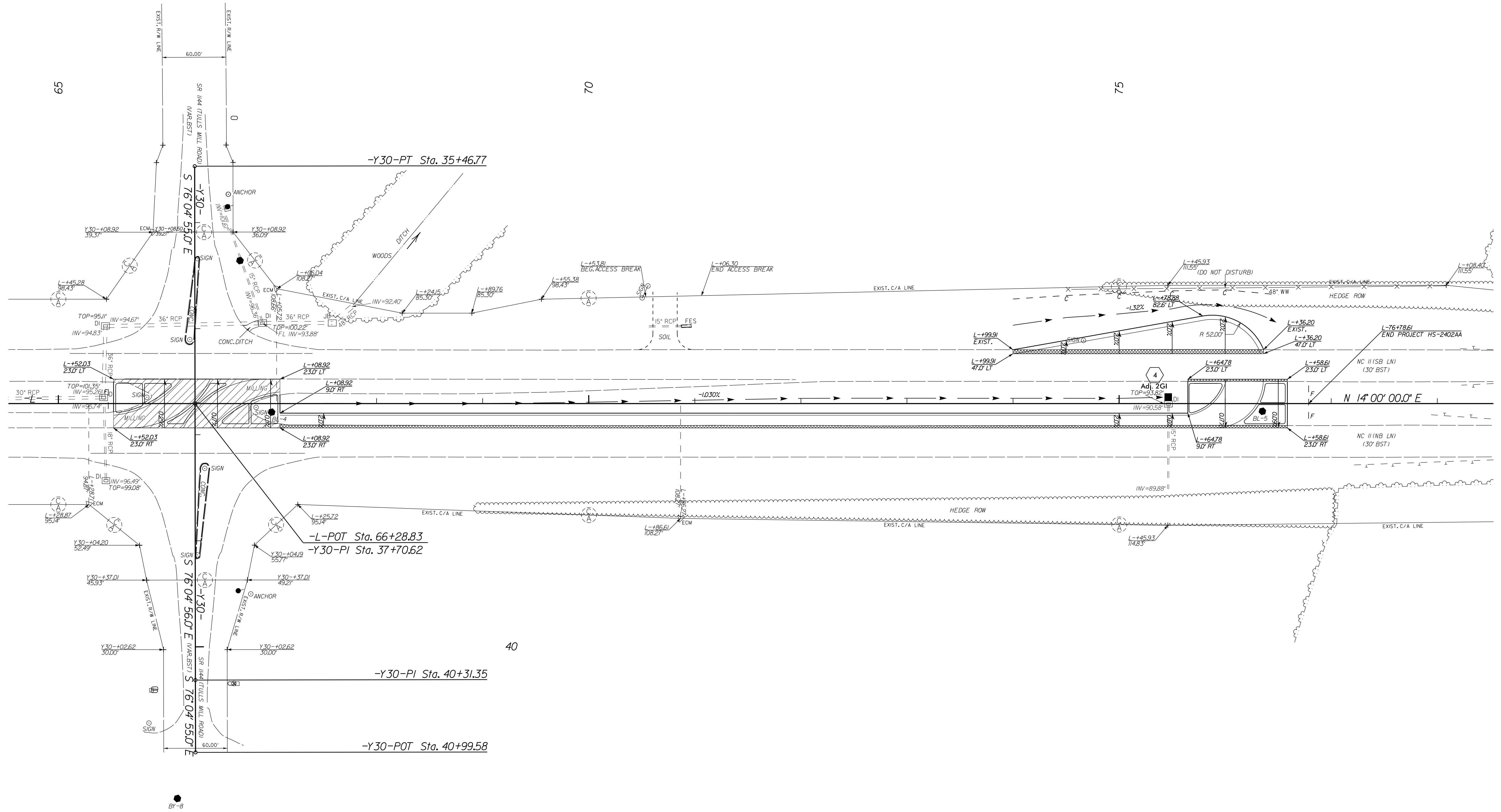
LINE	STATION – STATION	LOCATION	REMOVAL (SY)
–L–	38 + 05.39 – 46 + 80.55	LT	1649.36
–L–	38 + 05.39 – 39 + 02.15	RT	285.10
–L–	38 + 30.30 – 40 + 40.92	RT	589.48
–L–	67 + 08.92 – 76 + 58.61	RT	2221.71
–L–	73 + 99.91 – 76 + 36.20	LT	926.67
–L–	75 + 64.78 – 76 + 58.61	LT	191.39
TOTAL			5863.71
SAY			5865.00

LINE	STATION – STATION	LOCATION	REMOVAL (SY)
-L-	46 + 80 – 48 + 86	MEDIAN OPENING	786.14
-L-	65 + 52 – 67 + 08	MEDIAN OPENING	648.53
TOTAL			1,434.67
SAY			1,435

NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT.



PROJECT REFERENCE NO. <i>HS-2402AA</i>	SHEET NO. <i>5</i>
RW. SHEET NO. <i>N/A</i>	
ROADWAY DESIGN ENGINEER 	HYDRAULICS ENGINEER 
03/14/2026	03/14/2026
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



REVISIONS

II-MAR-2026 09:30
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racedlew

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REVISIONS

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PROJECT REFERENCE NO.
HS-2402AA

SHEET NO.
RW02C

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

-BASELINES-

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "BL-3"
WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF
NORTHING: 509255.418(ft) EASTING: 2386168.714(ft)
ELEVATION: 104.44(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999875063
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "BL-3" TO -L- STATION ST 28+29.89 IS
S 4° 45' 15" W 3,011.52'
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

BL

POINT	DESC.	NORTH	EAST	ELEVATION
1	BL -1	507133.7650	2385885.7110	105.42
2	BL -2	508278.7330	2385927.6130	108.99
3	BL -3	509255.4180	2386168.7140	104.44
4	BL -4	510063.6030	2386374.5980	103.22
5	BL -5	510970.0790	2386599.7820	93.51

BY1

POINT	DESC.	NORTH	EAST	ELEVATION
7	BY -7	508102.4930	2385650.5400	111.93
2	BL -2	508278.7330	2385927.6130	108.99
6	BY -6	508308.7700	2386283.1010	109.32

BY2

POINT	DESC.	NORTH	EAST	ELEVATION
9	BY -9	510079.3600	2385899.9200	105.19
4	BL -4	510063.6030	2386374.5980	103.22
8	BY -8	509889.2650	2386706.6400	101.59

-ALIGNMENTS- STATE PROJECT REFERENCE : R-2001B (METRIC)

L

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
ST	506254.262	2385919.122											
LINE			N 02°30'00.0" W	1202.35									
TS	507455.472	2385866.676											
SPIRAL			N 01°50'42.7" W	196.84						01°57'51.9"(RT)	196.85	131.24	65.62
SC	507652.210	2385860.338											
CURVE			N 05°45'00.0" E	628.60	12°34'16.1"(RT)	01°59'45.1"	629.86	316.20	2870.73				
CS	508277.645	2385923.316											
SPIRAL			N 13°20'42.7" E	196.84						01°57'51.9"(RT)	196.85	131.24	65.62
ST	508469.170	2385968.750											
LINE			N 14°00'00.0" E	3146.28									
POT	511521.989	2386729.903											

Y27

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	508100.478	2385403.312							
CURVE			N 79°56'02.0" E	351.87	07°01'38.0"(LT)	01°59'45.1"	352.09	176.27	2870.73
PT	508161.979	2385749.765							
LINE			N 76°25'13.0" E	513.10					
POT	508282.455	2386248.524							

Y27A

POINT	N	E	BEARING	DIST
POT	507838.661	2385580.818		
LINE			N 05°31'52.0" E	294.44
POC	508131.730	2385609.198		

Y30

POINT	N	E	BEARING	DIST
PT	510049.313	2386132.021		
LINE			S 76°04'55.0" E	223.85
PI	509995.469	2386349.299		
LINE			S 76°04'56.0" E	260.73
PI	509932.756	2386602.374		
LINE			S 76°04'55.0" E	68.23
POT	509916.344	2386668.601		

NOTES:

I. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

GENERAL NOTES / LOCAL 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 UNDESIREED 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.

LANE AND SHOULDER CLOSURE REQUIREMENTS

A) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
NC11	NONE
SR1143 (LIDDELL ROAD)	NONE
SR1144 (TULLS MILL ROAD)	NONE

- B) 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.
- C) 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.
- D) 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.
- E) 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

- F) 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.

- G) 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) IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

- H) NOTIFY THE ENGINEER TWENTY ONE (21) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

- I) 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.
- J) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

- K) WHEN 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.
- L) PORTABLE CHANGEABLE MESSAGE SIGN WILL BE MEASURED AND PAID AS THE MAXIMUM NUMBER OF PORTABLE CHANGEABLE MESSAGE SIGNS ACCEPTABLY PLACED AND IN OPERATION, AT ANY ONE TIME DURING THE LIFE OF THE PROJECT. AS DIRECTED BY THE ENGINEER.

PAVEMENT MARKINGS

- M) INSTALL PAVEMENT MARKINGS ON FINAL LAYER OF PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING
NC11	THERMOPLASTIC (6")

- N) 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.
- O) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- P) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS BY THE END OF EACH DAY'S OPERATION.

MISCELLANEOUS

- Q) 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) 100 FT AND 200 FT RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.

COORDNATION WITH THE DEPARTMENT

- R) FINAL SIGNAGE WILL BE PERFORMED BY NCDOT TRAFFIC SERVICES PROVIDE A THIRTY (30) DAY NOTICE TO THE DEPARTMENT PRIOR TO FINAL SIGNAGE REQUEST.
- S) THE STOCKPILE SIGN TYPE'S D,E OR F SHALL BE TRANSPORTED TO THE NCDOT COUNTY MAINTENANCE YARD, LENOIR AT 135 EAST FIRST STREET, KINSTON, NC 28504 PROVIDE A SEVEN (7) DAY NOTICE TO THE DEPARTMENT PRIOR TO TRANSPORT.

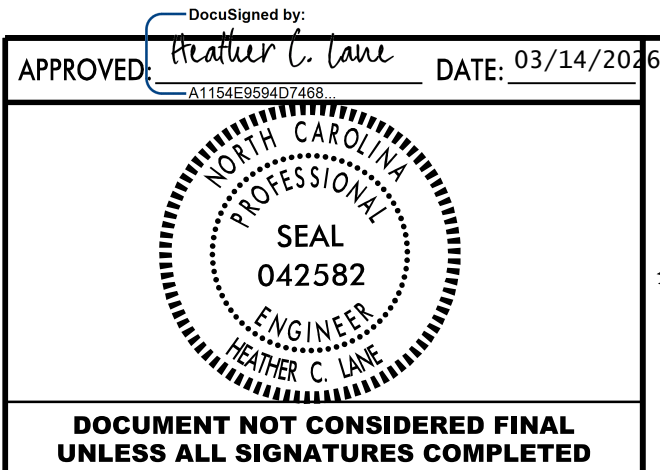
PHASING

- STEP 1) USING RSD (ROADWAY STANDARD DRAWING) 1101.01, INSTALL ALL ADVANCE WARNING SIGNING ON ENTIRE PROJECT. IF CONSTRUCTION DOES NOT BEGIN WITHIN THREE DAYS OF SIGN INSTALLATION, REMOVE OR COVER THE ADVANCE WARNING SIGNING WITH AN APPROVED MATERIAL AT THE DISCRETION OF THE ENGINEER.
- STEP 2) USING RSD (ROADWAY STANDARD DRAWING) 1101.02, CONSTRUCT: PROPOSED DRAINAGE AND BULBOUTS UP TO THE EXISTING EDGE AND ELEVATION.
- STEP 3) USING RSD (ROADWAY STANDARD DRAWING) 1101.02, CONSTRUCT: PROPOSED DRAINAGE, U-TURN LN'S AND MEDIAN CROSSEOVERS UP TO THE EXISTING EDGE AND ELEVATION.
- STEP 4) USING RSD (ROADWAY STANDARD DRAWING) 1101.02, CONSTRUCT: PROPOSED MONOLITHIC CONC. ISLANDS,PLACE FINAL PAVEMENT MARKINGS ON ENTIRE PROJECT.
- STEP 5) INSTALL FINAL SIGNAGE, REMOVE ALL TRANSPORTATION MANAGEMENT DEVICES AND SIGNING. PLACE TRAFFIC INTO FINAL PATTERN.

LOCAL NOTES

LOCAL NOTES:

- EMERGENCY VEHICLE ACCESS MUST BE MAINTAINED AT ALL TIMES.
- NOTIFY THE FIRE DEPARTMENTS, E.M.S., AND LENOIR COUNTY SCHOOL BOARD THIRTY (30) DAYS PRIOR TO START OF PROPOSED WORK.
- LOCAL ACCESS TO ALL RESIDENCES AND BUSINESSES WILL BE MAINTAINED BETWEEN CLOSURE POINTS AT ALL TIMES DURING CONSTRUCTION.



TRANSPORTATION OPERATIONS
PLAN
(MANAGEMENT STRATEGIES & GENERAL NOTES)

FINAL PAVEMENT MARKING SCHEDULE

THERMOPLASTIC (6" 90 MILS)
T20 WHITE EDGELINE
T21 WHITE LANELINE
T23 3 FT. - 9 FT. / SP WHITE MINISKIP
T24 2 FT. - 6 FT. / SP WHITE MINISKIP
T30 YELLOW EDGELINE
T34 2 FT. - 6 FT. / SP YELLOW MINISKIP

THERMOPLASTIC (12" 90 MILS)
T50 WHITE GORELINE

THERMOPLASTIC (24" 90 MILS)

T61 WHITE STOP BAR

THERMOPLASTIC PAVEMENT MARKING SYMBOLS/CHARACTERS(90 MILS)

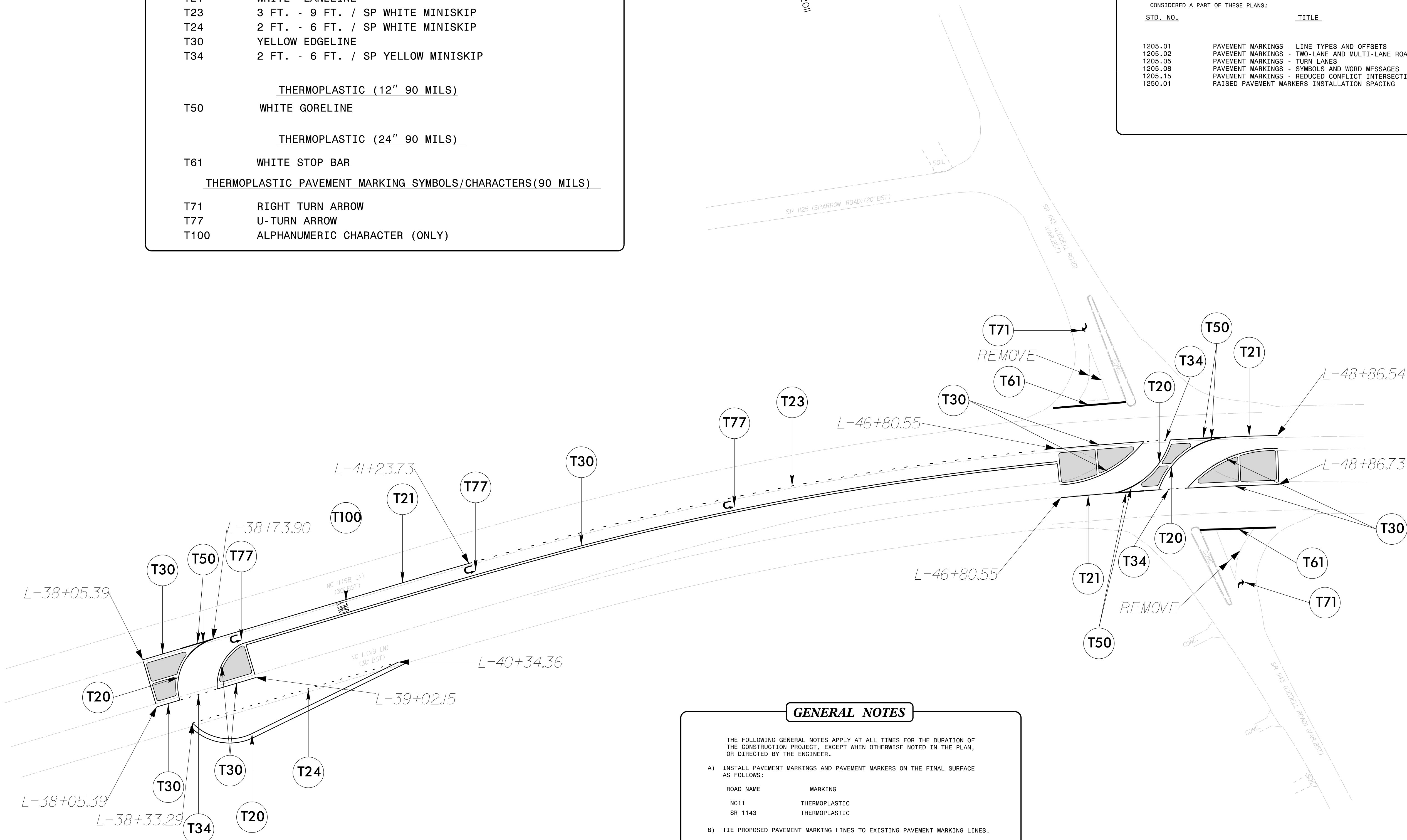
T71 RIGHT TURN ARROW
T77 U-TURN ARROW
T100 ALPHANUMERIC CHARACTER (ONLY)

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 2024 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 MULTI-LANE ROADWAYS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.15	PAVEMENT MARKINGS - REDUCED CONFLICT INTERSECTIONS
1250.01	RAISED PAVEMENT MARKERS INSTALLATION SPACING

NAD 83 NA 2011



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 |
|-----------|---------------|
| NC11 | THERMOPLASTIC |
| SR 1143 | THERMOPLASTIC |
- B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
- D) STOP BAR LOCATION AT NON-SIGNALIZED INTERSECTIONS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.
- E) FINAL SIGNAGE WILL BE PERFORMED BY NCDOT TRAFFIC SERVICES PROVIDE A THIRTY (30) DAY NOTICE TO THE DEPARTMENT PRIOR TO SIGNAGE REQUEST.

REVISIONS

8/17/99

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FINAL PAVEMENT MARKING SCHEDULE

THERMOPLASTIC (6" 90 MILS)
T20 WHITE EDGELINE
T21 WHITE LANELINE
T23 3 FT. - 9 FT. / SP WHITE MINISKIP
T24 2 FT. - 6 FT. / SP WHITE MINISKIP
T30 YELLOW EDGELINE
T34 2 FT. - 6 FT. / SP YELLOW MINISKIP

THERMOPLASTIC (12" 90 MILS)
T50 WHITE GORELINE

THERMOPLASTIC (24" 90 MILS)

T61 WHITE STOP BAR

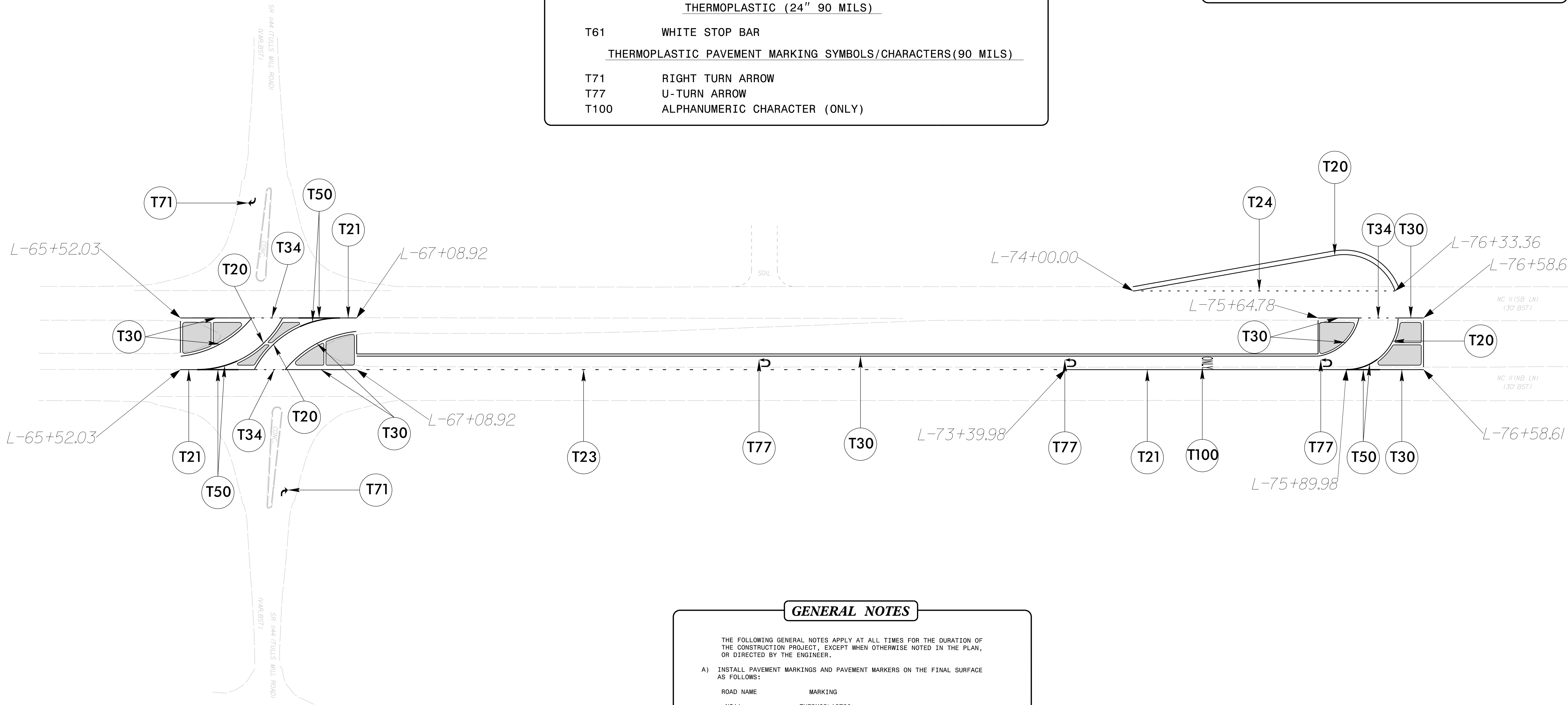
THERMOPLASTIC PAVEMENT MARKING SYMBOLS/CHARACTERS(90 MILS)

T71 RIGHT TURN ARROW
T77 U-TURN ARROW
T100 ALPHANUMERIC CHARACTER (ONLY)

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 2024 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 MULTI-LANE ROADWAYS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.15	PAVEMENT MARKINGS - REDUCED CONFLICT INTERSECTIONS
1250.01	RAISED PAVEMENT MARKERS INSTALLATION SPACING



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
NC11	THERMOPLASTIC
SR 1144	THERMOPLASTIC

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

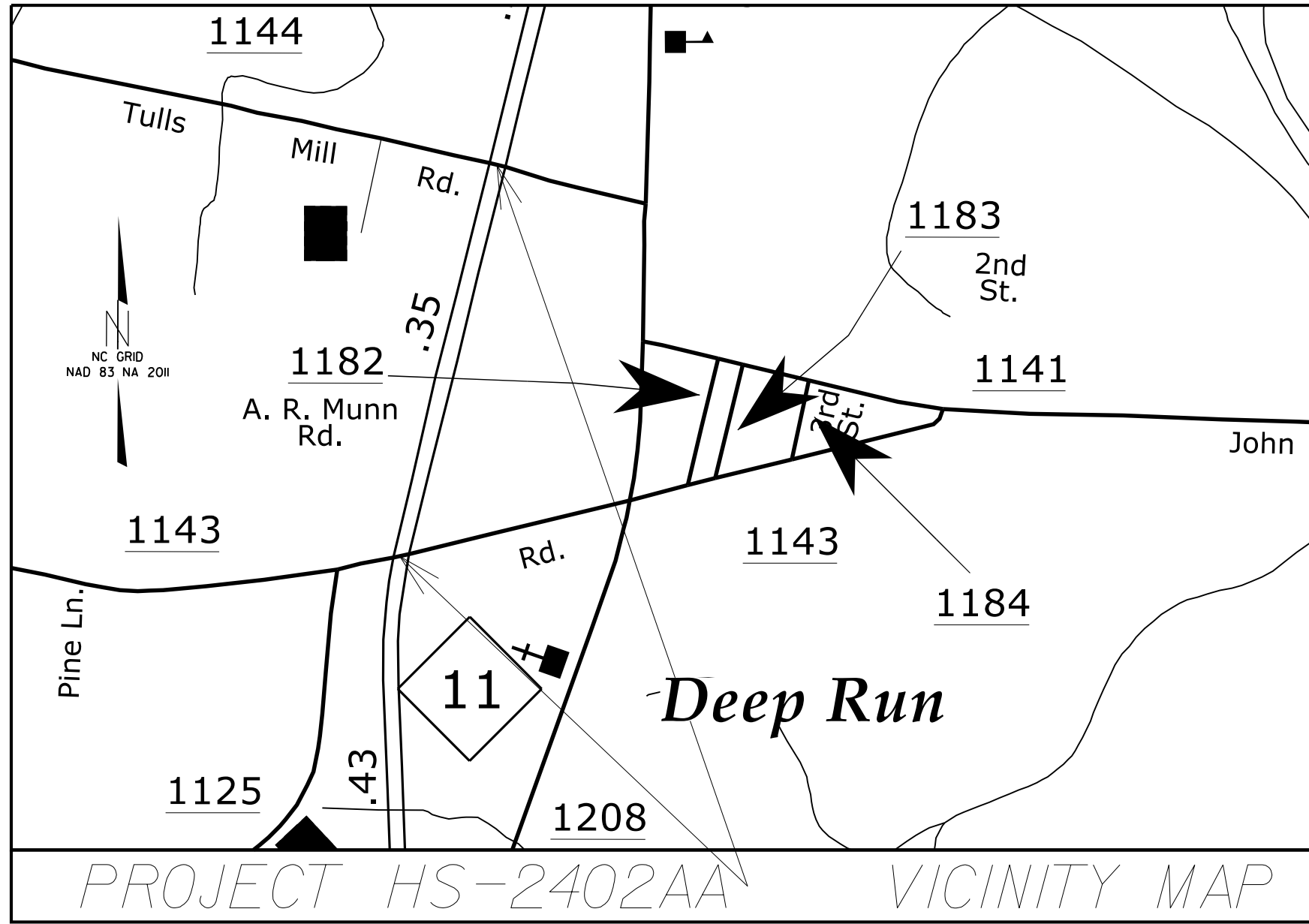
C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.

D) STOP BAR LOCATION AT NON-SIGNALIZED INTERSECTIONS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.

E) FINAL SIGNAGE WILL BE PERFORMED BY NCDOT TRAFFIC SERVICES PROVIDE A THIRTY (30) DAY NOTICE TO THE DEPARTMENT PRIOR TO SIGNAGE REQUEST.

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25/03/2024

TIP PROJECT: HS-2402AA



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

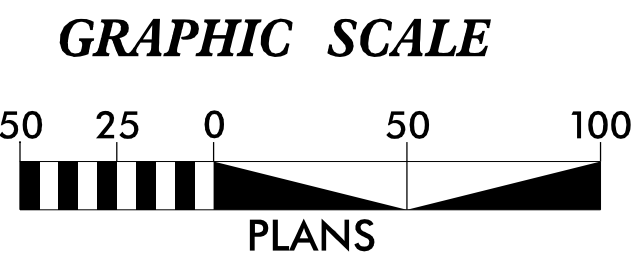
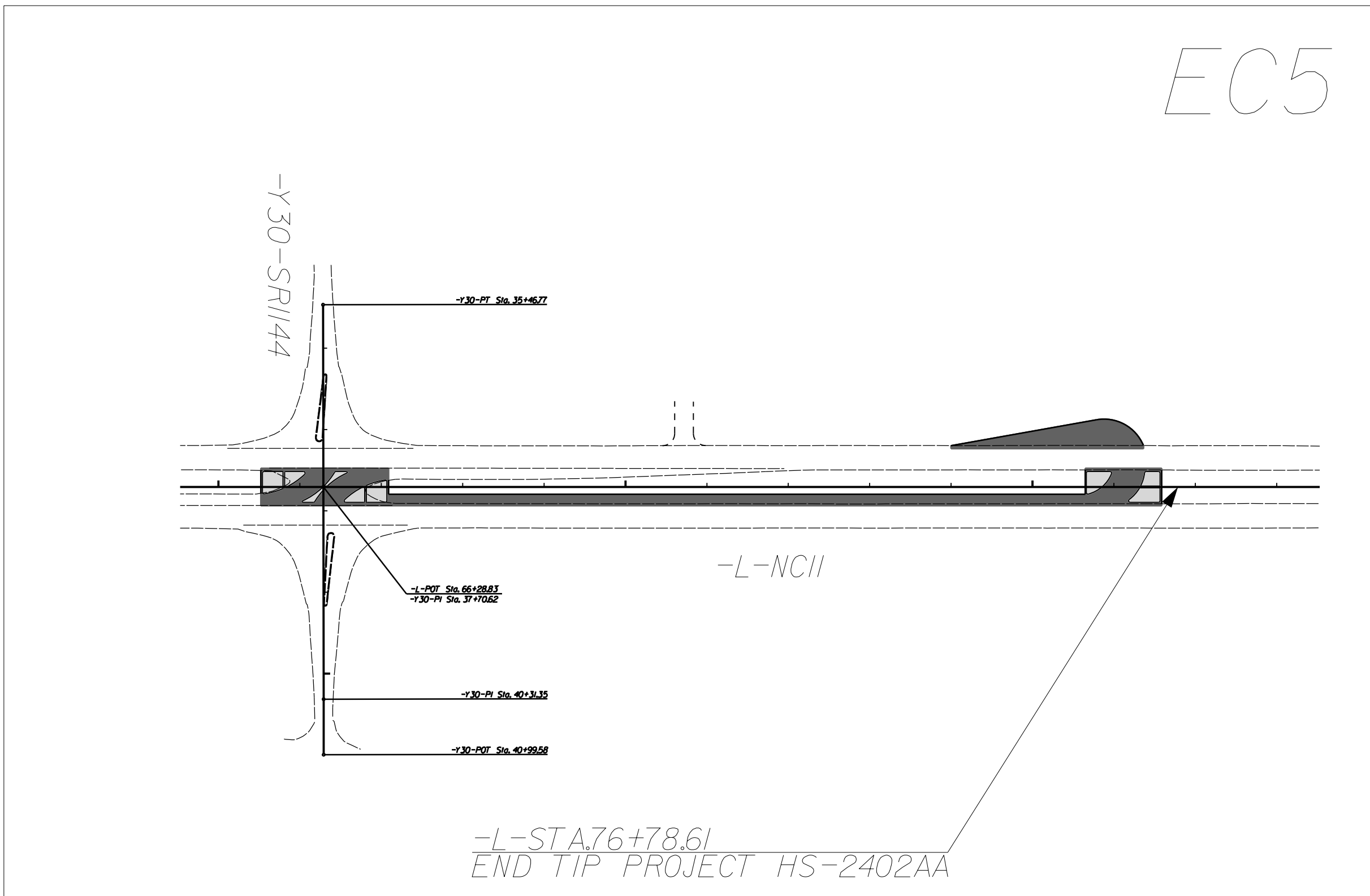
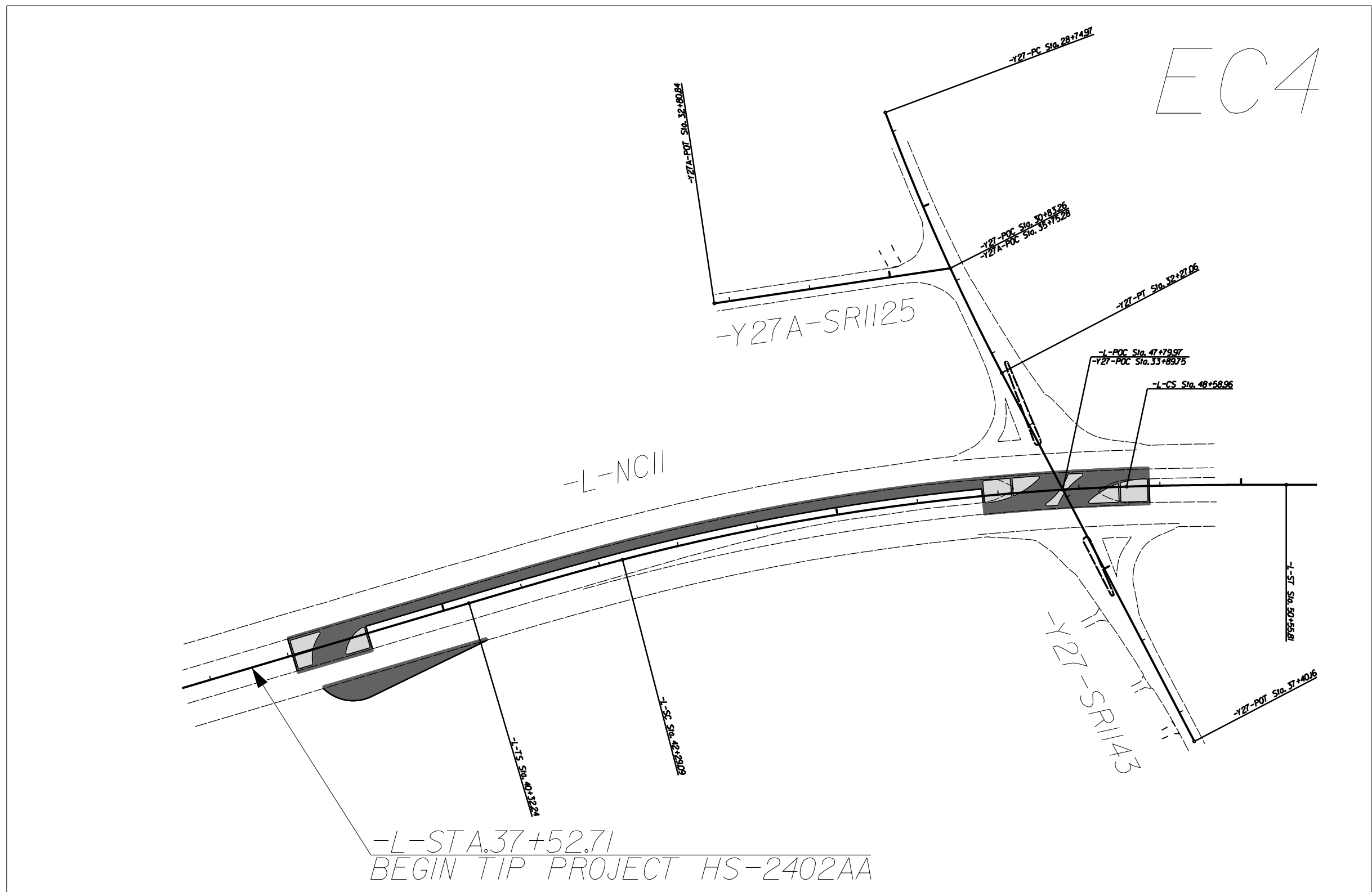
LOCATION: NC 11
FROM 1,000 FT SOUTH OF SR 1143 (LIDDELL ROAD) TO
1,000 FT NORTH OF SR 1144 (TULLS MILL ROAD)
NEAR DEEP RUN

TYPE OF WORK: CLOSE TWO (2) FULL-MOVEMENT CROSSOVERS
AND INSTALL TWO (2) UNSIGNALIZED
REDUCED CONFLICT INTERSECTIONS (RCI'S)

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	HS-2402AA	EC1	8
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
50974.1.28		PE	
50974.3.28		CONST	

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

THIS PROJECT HAS
BEEN DESIGNED TO
SENSITIVE WATERSHED
STANDARDS.



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

Prepared In the Office of:
DIVISION OF HIGHWAYS
1037 WH SMITH BLVD.
GREENVILLE, NC 27834
2024 STANDARD SPECIFICATIONS
Designed by:
RICH GODLEY 3559
NAME LEVEL III CERTIFICATION NO.

Roadway Standard Drawings
The "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.

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

EROSION & SEDIMENT CONTROL LEGEND

Std. #	Description	Symbol
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	
1622.01	Temporary Berms and Slope Drains	
1630.02	Silt Basin Type B	
1630.03	Temporary Silt Ditch	
1630.04	Stilling Basin	
1630.05	Temporary Diversion	
1630.06	Special Stilling Basin	
1630.07	Skimmer Basin	
1630.08	Tiered Skimmer Basin	
1630.09	Earthen Dam with Skimmer	
	Infiltration Basin	
	Rock Inlet Sediment Trap:	
1632.01	Type A	
1632.02	Type B	
1632.03	Type C	

Std. #	Description	Symbol
1633.01	Temporary Rock Silt Check Type A	
1633.02	Temporary Rock Silt Check Type B	
1633.03	Temporary Rock Silt Check Type A with Excelsior Matting and Flocculant	
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	
1636.01	Excelsior Wattle Check	
1636.01	Excelsior Wattle Check with Flocculant	
1636.01	Coir Fiber Wattle Check	
1636.01	Coir Fiber Wattle Check with Flocculant	
1636.02	Silt Fence Excelsior Wattle Break	
	Silt Fence Coir Fiber Wattle Break	
1636.03	Excelsior Wattle Barrier	
1636.03	Coir Fiber Wattle Barrier	

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

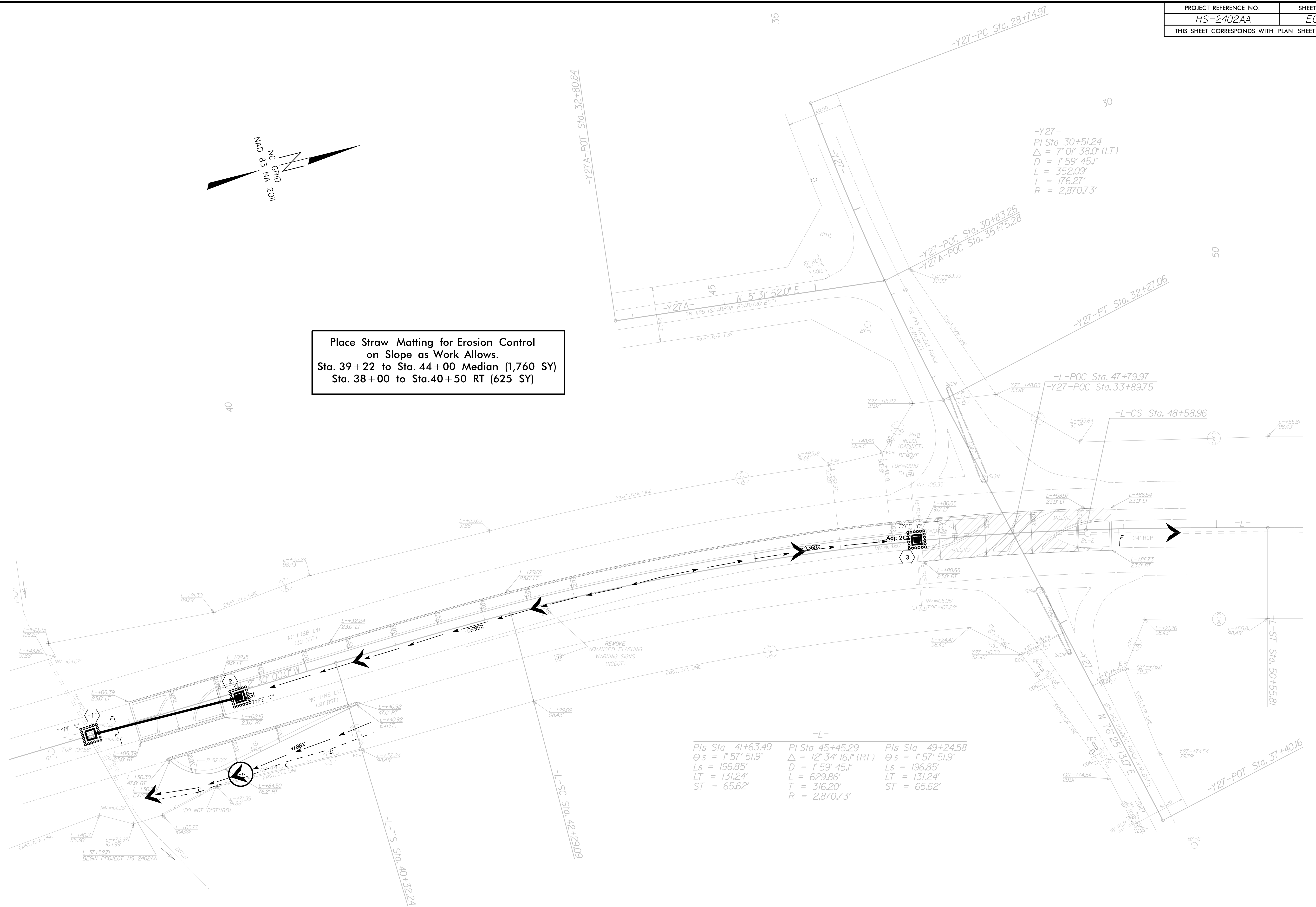
SOIL STABILIZATION TIMEFRAMES

SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
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 TO 4:1	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH WITH SLOPES STEEPER THAN 4:1. 7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES

8/17/99

REVISIONS

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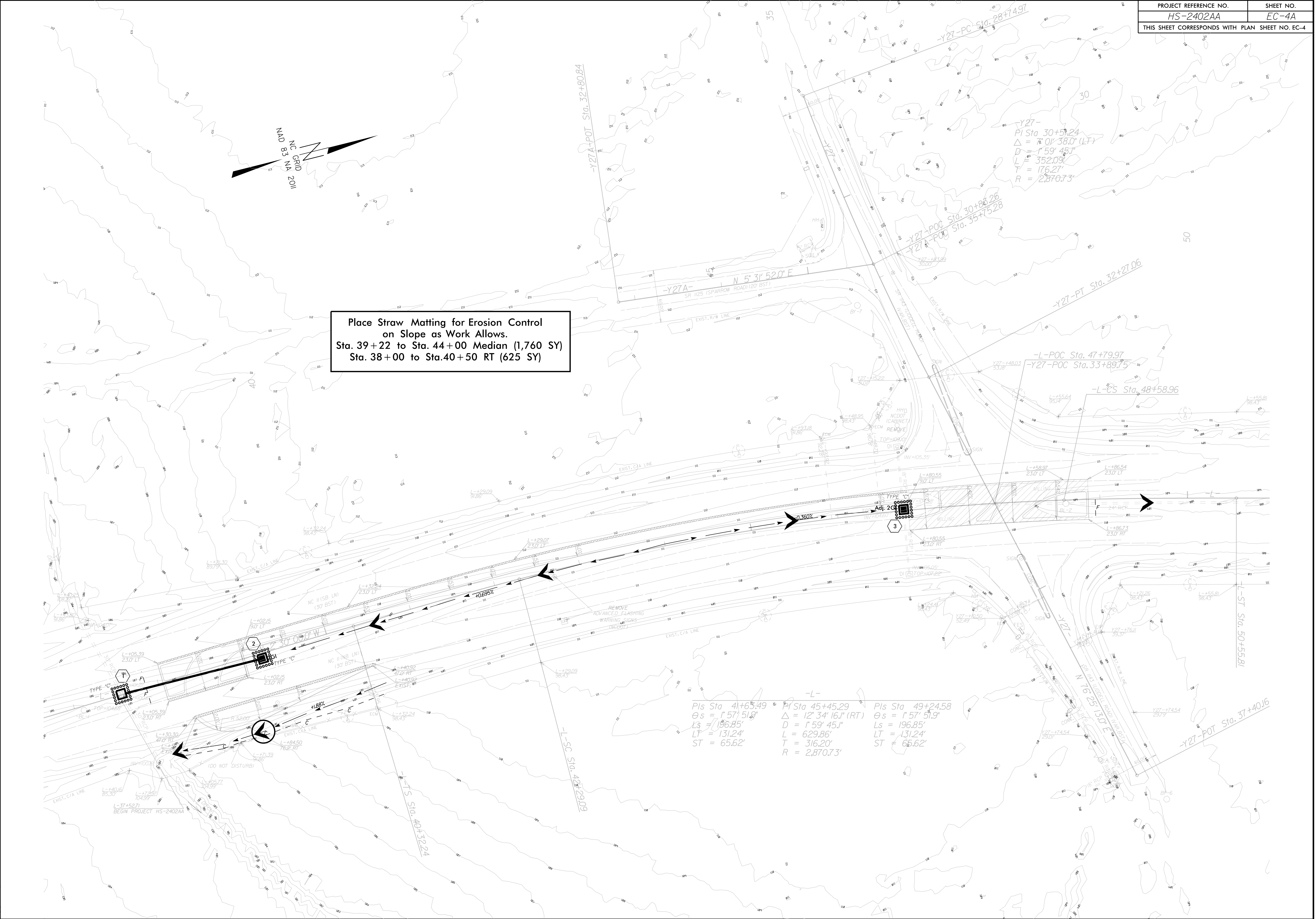


REVISIONS

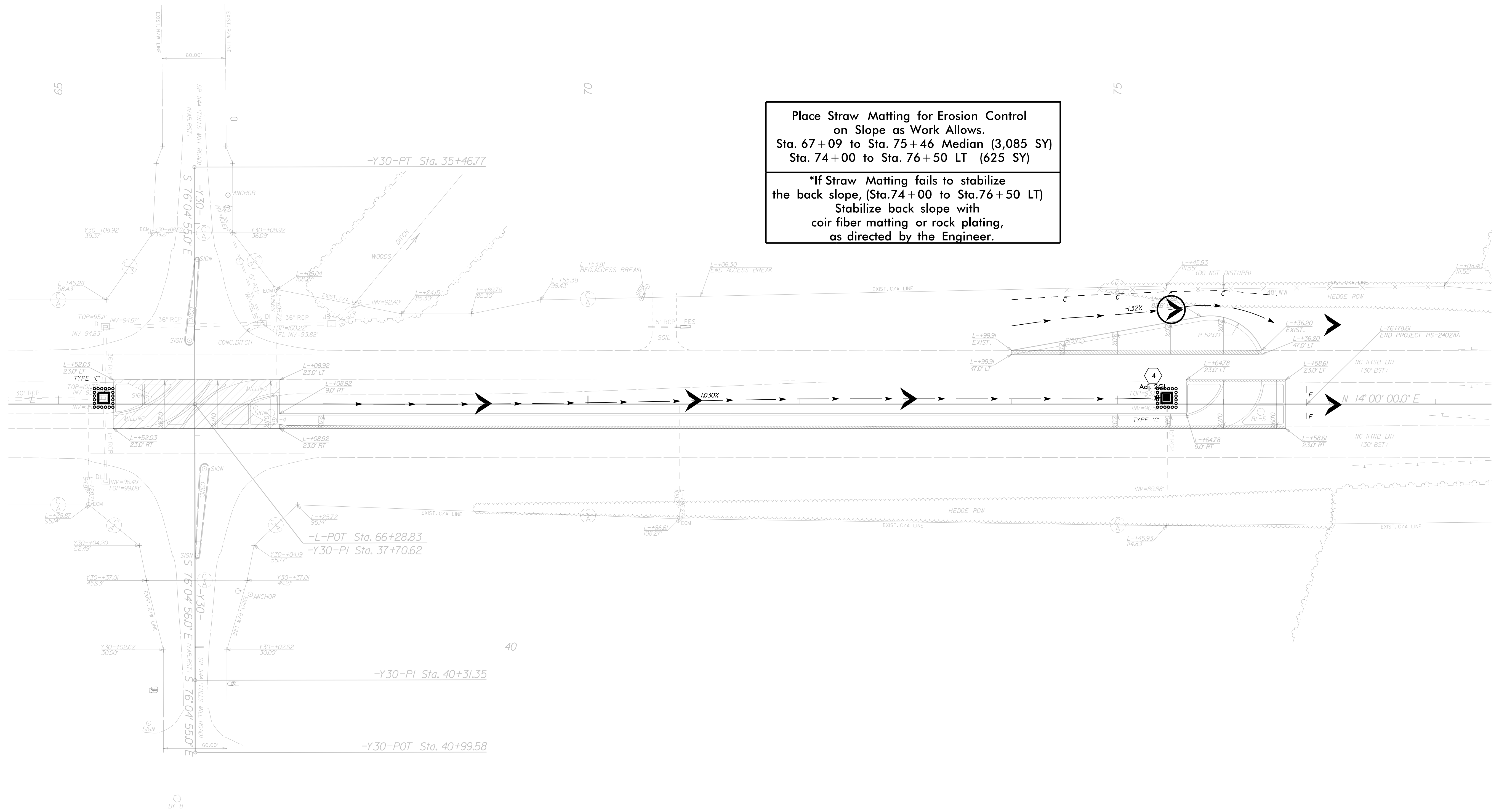
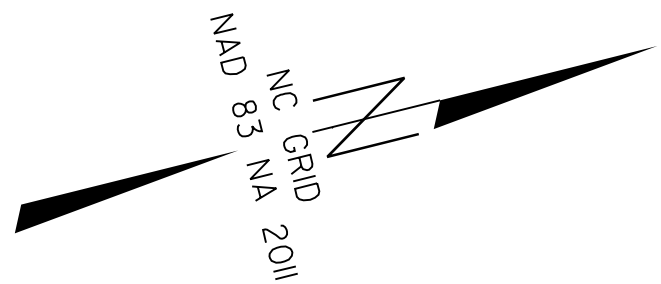
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REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
HS-2402AA	EC-4A
THIS SHEET CORRESPONDS WITH PLAN SHEET NO. EC-4	



PROJECT REFERENCE NO.	SHEET NO.
HS-2402AA	EC5
THIS SHEET CORRESPONDS WITH PLAN SHEET NO. 5	

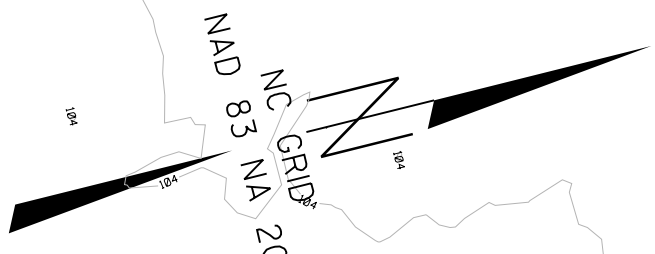


Place Straw Matting for Erosion Control
on Slope as Work Allows.
Sta. 67+09 to Sta. 75+46 Median (3,085 SY)
Sta. 74+00 to Sta. 76+50 LT (625 SY)

*If Straw Matting fails to stabilize the back slope, (Sta.74+00 to Sta.76+50 LT) Stabilize back slope with coir fiber matting or rock plating, as directed by the Engineer.

REVISIONS

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good

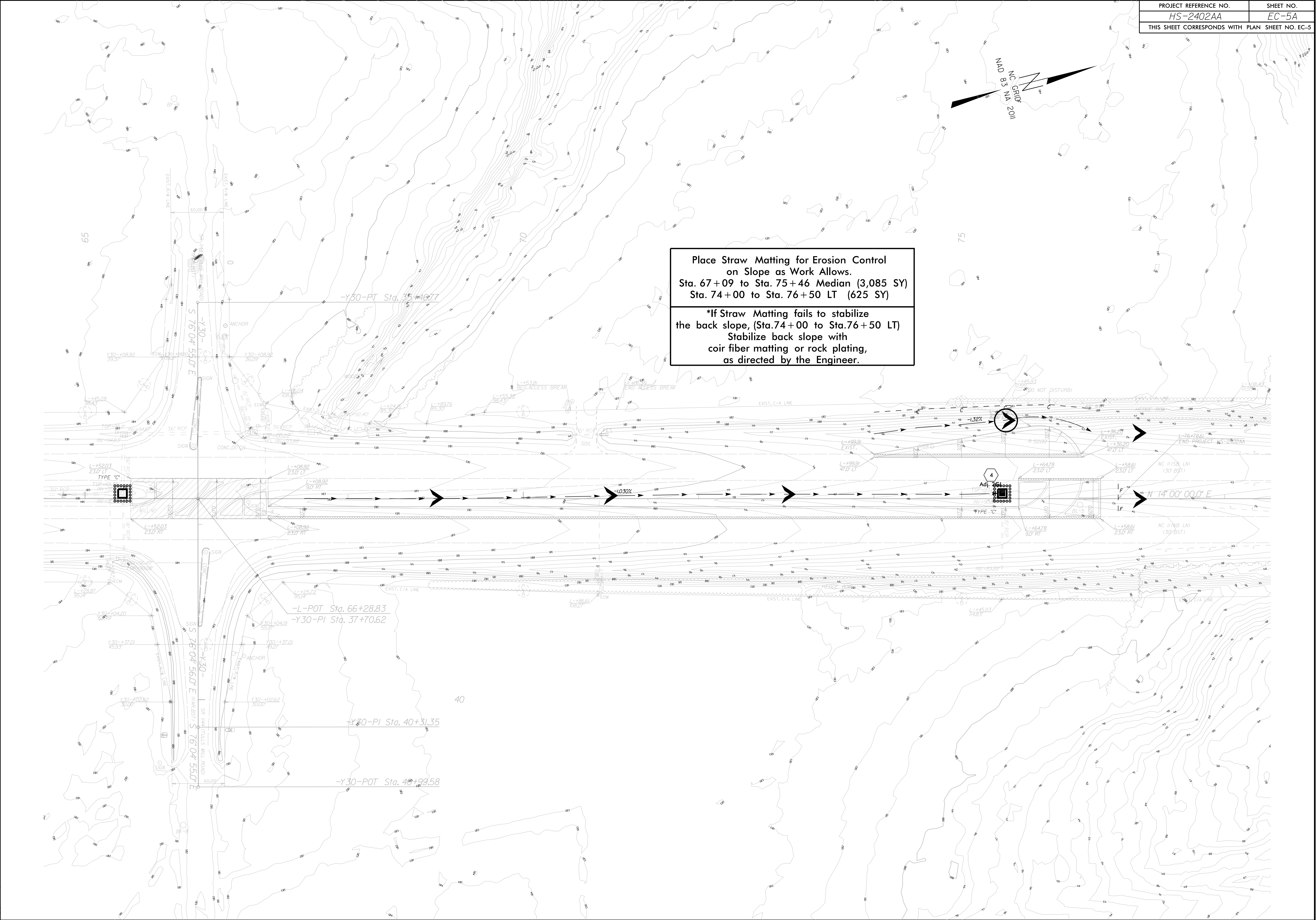


Place Straw Matting for Erosion Control
on Slope as Work Allows.
Sta. 67+09 to Sta. 75+46 Median (3,085 SY)
Sta. 74+00 to Sta. 76+50 LT (625 SY)

*If Straw Matting fails to stabilize
the back slope, (Sta.74+00 to Sta.76+50 LT)
Stabilize back slope with
coir fiber matting or rock plating,
as directed by the Engineer.

REVISIONS

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5/9/06

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G:\BR00126\STATE\NC\IR\HS-2402AA_NC11_SRI143\Udde11_Rd\HS-2402AA_psh_x1a.dgn

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SUMMARY OF EARTHWORK
IN CUBIC YARDS

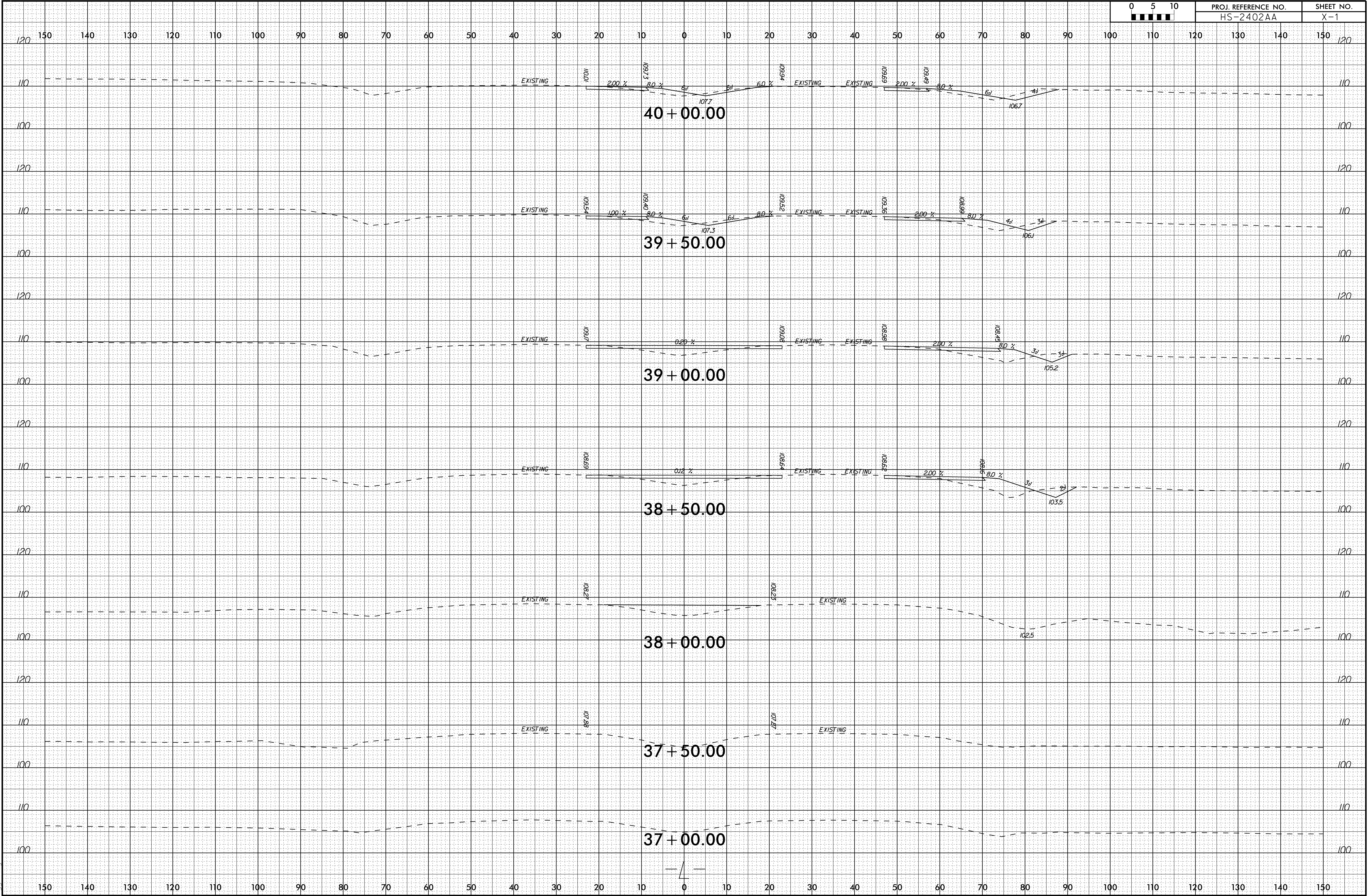
PROJECT REFERENCE NO.	SHEET NO.
HS-2402AA	X1A

LOCATION (-L-)	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBANKMENT
38 + 50.00	0		0
39 + 00.00	50		124
39 + 50.00	49		92
40 + 00.00	52		60
40 + 50.00	36		40
41 + 00.00	16		31
41 + 50.00	13		27
42 + 00.00	14		18
42 + 50.00	19		11
43 + 00.00	22		7
43 + 50.00	27		4
44 + 00.00	26		4
44 + 50.00	20		5
45 + 00.00	20		4
45 + 50.00	18		5
46 + 00.00	18		4
46 + 50.00	17		4
47 + 00.00	16		3
47 + 50.00	0		0
48 + 00.00	0		0
48 + 50.00	40		8
49 + 00.00	5		33

LOCATION (-L-)	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBANKMENT
67 + 00.00	0		0
67 + 50.00	11		11
68 + 00.00	10		23
68 + 50.00	9		25
69 + 00.00	9		23
69 + 50.00	11		18
70 + 00.00	14		15
70 + 50.00	16		18
71 + 00.00	18		20
71 + 50.00	20		19
72 + 00.00	23		18
72 + 50.00	26		19
73 + 00.00	27		20
73 + 50.00	25		21
74 + 00.00	29		21
74 + 50.00	60		35
75 + 00.00	95		57
75 + 50.00	112		70
76 + 00.00	127		78
76 + 50.00	76		61

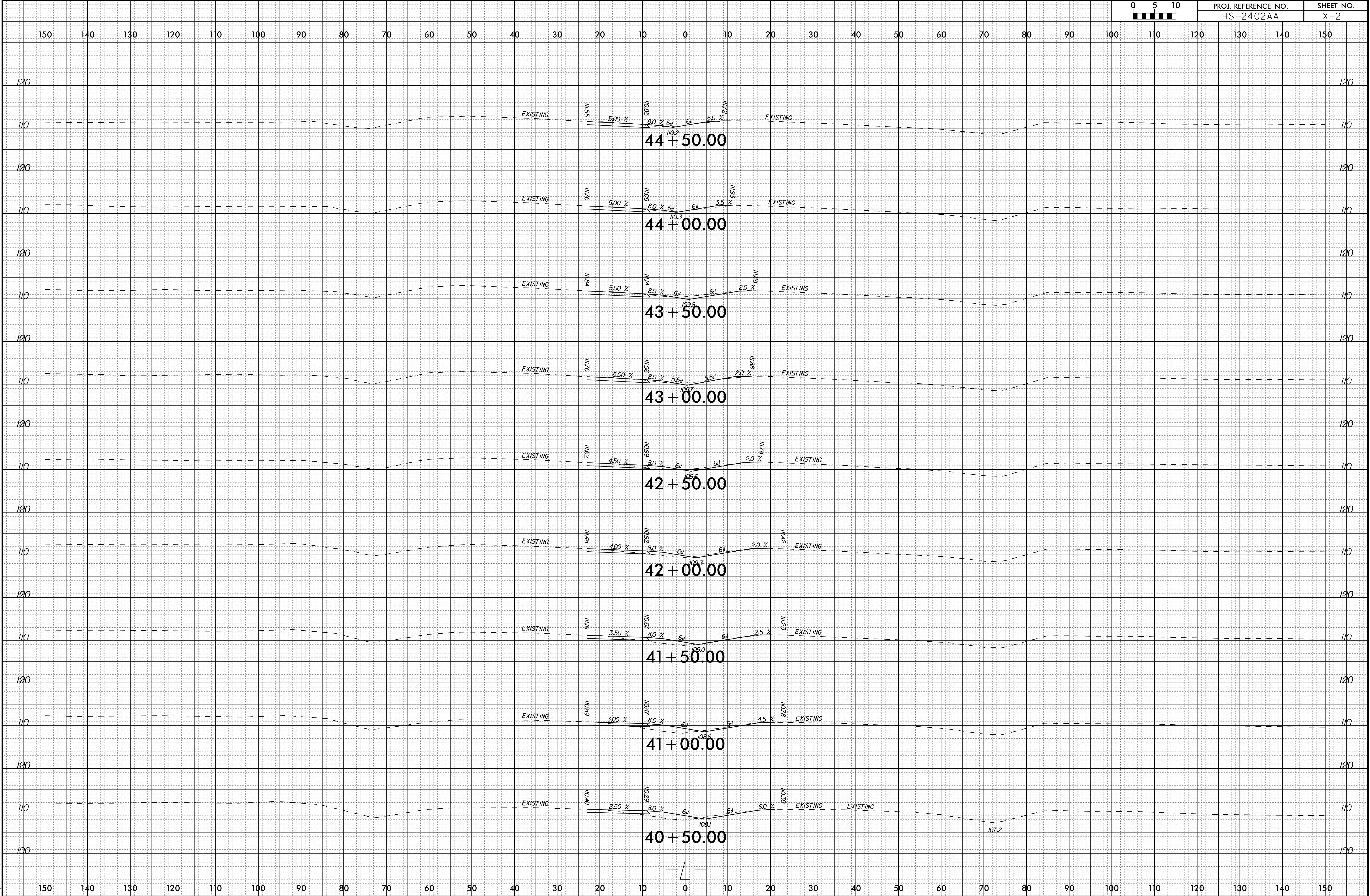
NOTE: Approximate quantities only. Unclassified Excavation, Borrow Excavation, Fine Grading, Clearing and Grubbing and Removal of Existing Asphalt will be paid for at the contract Lump Sum price for "Grading".

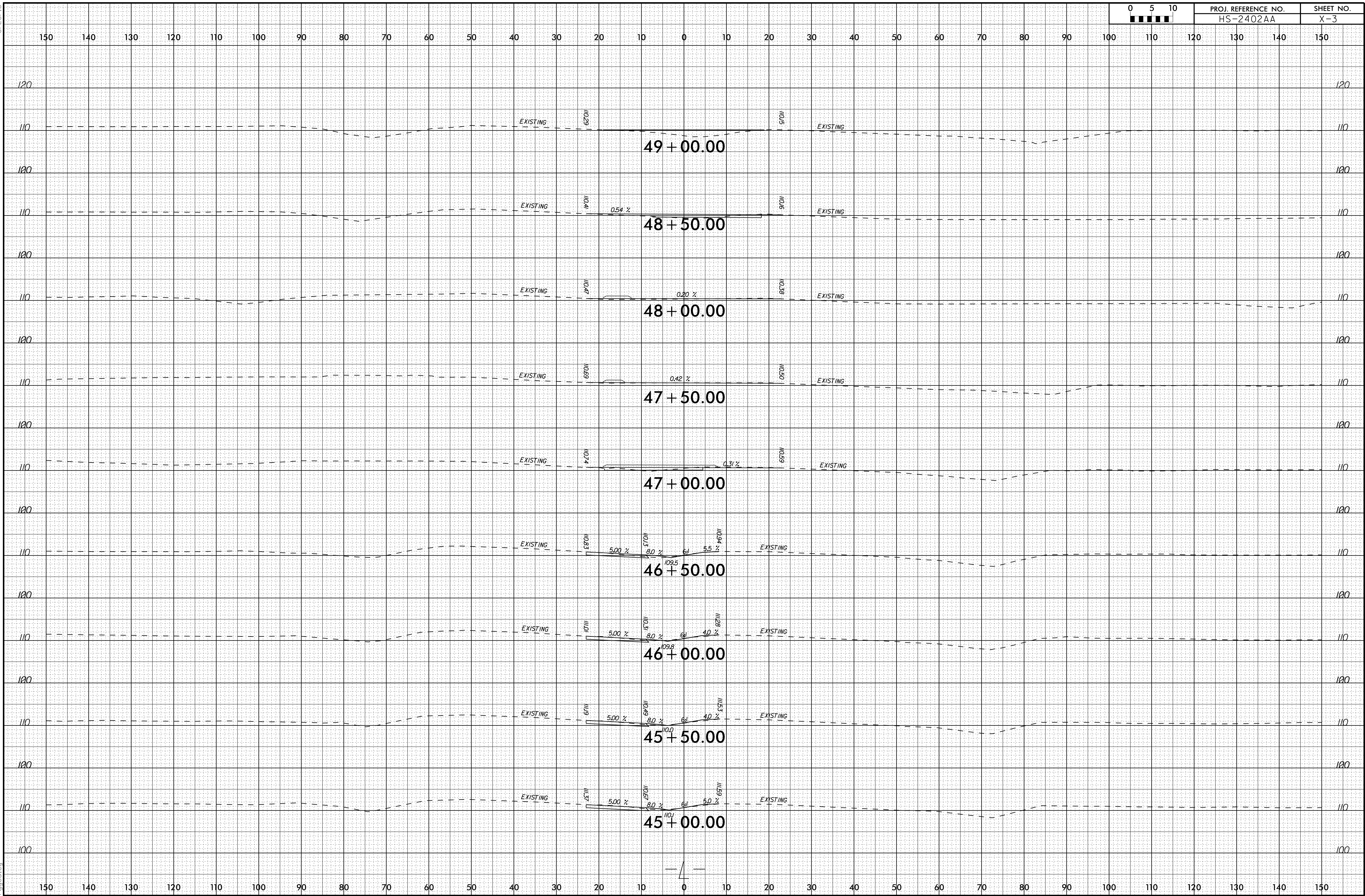
NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT.



6/23/16

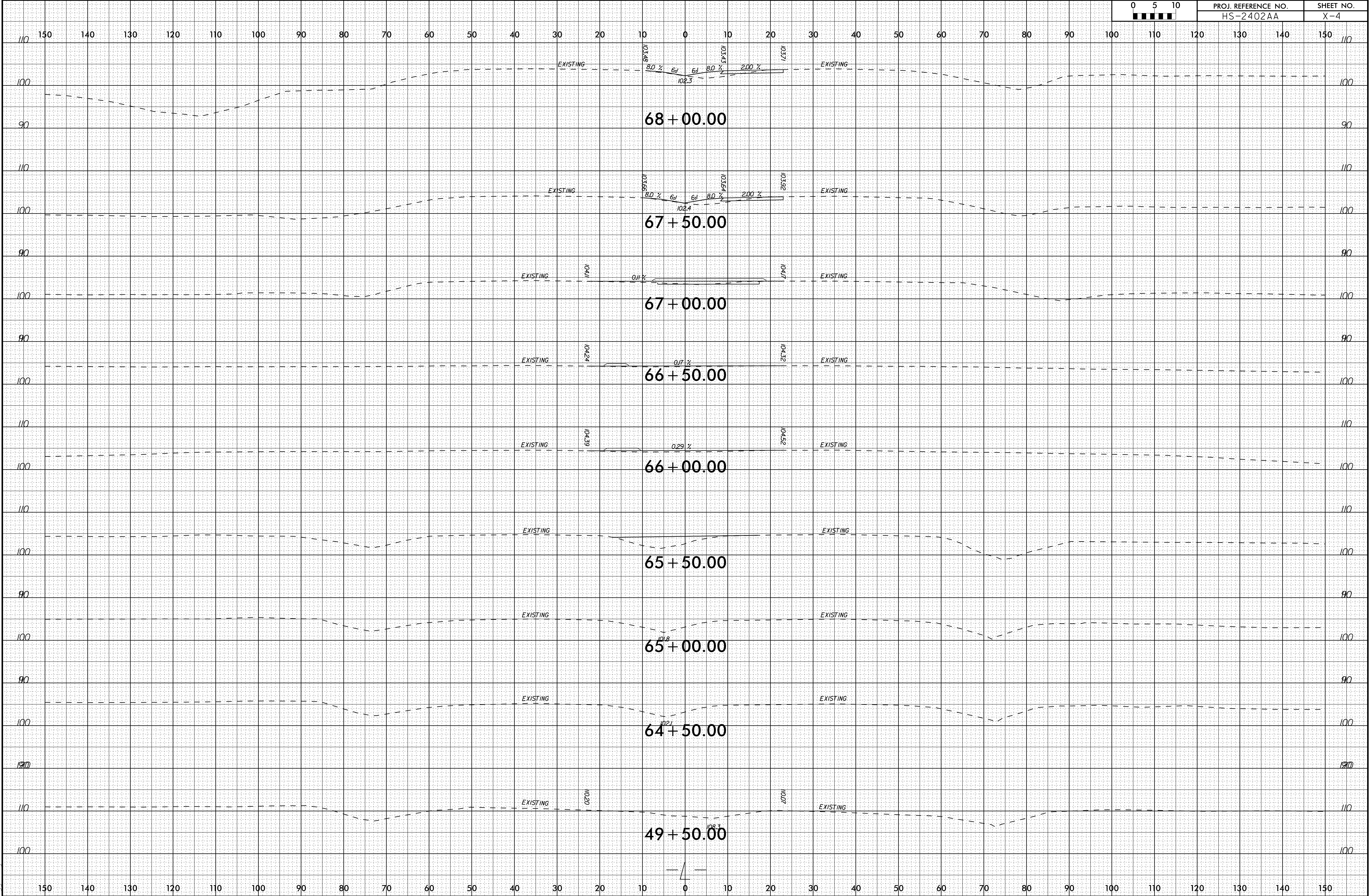
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cgcode14





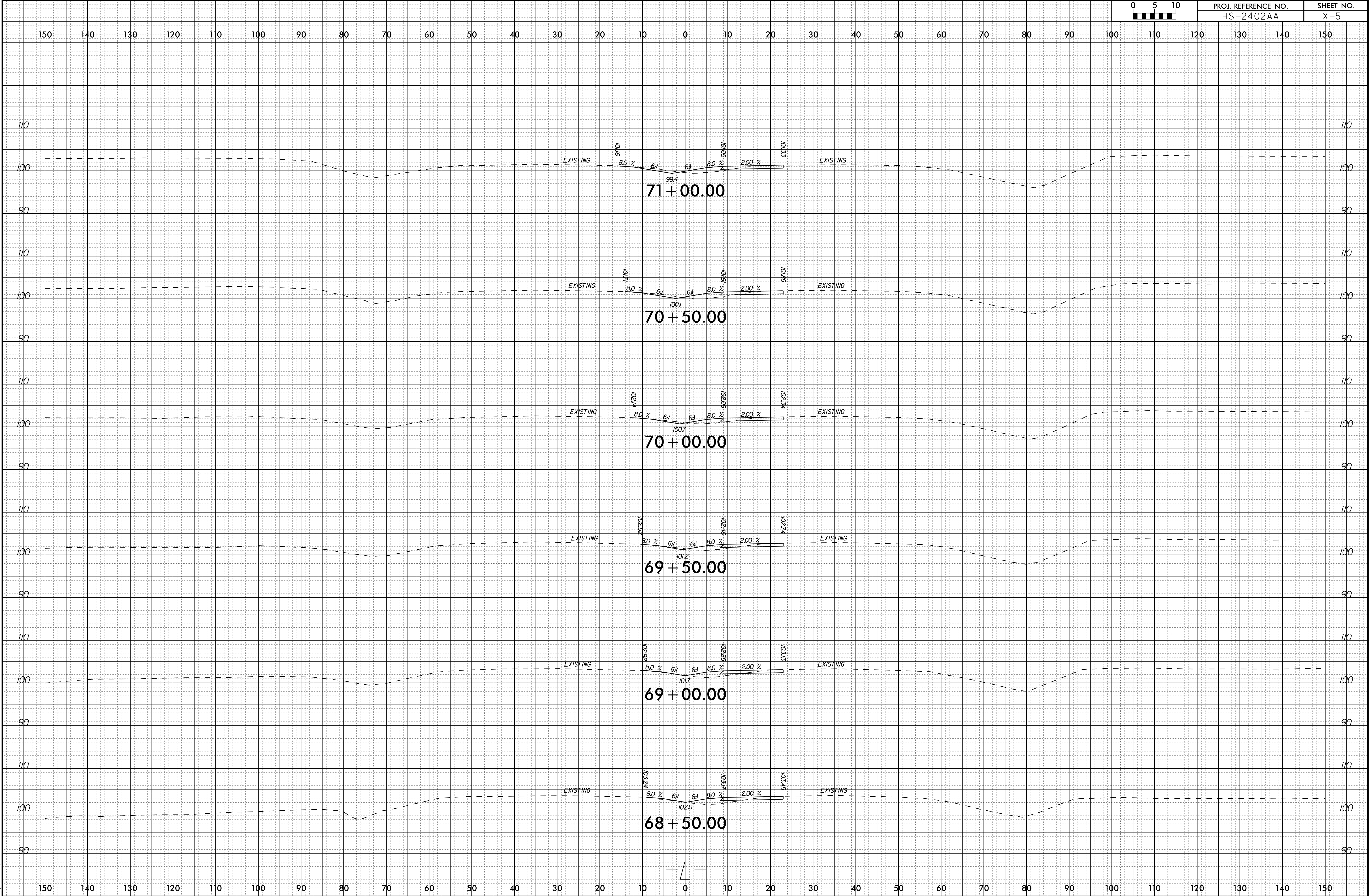
6/23/16

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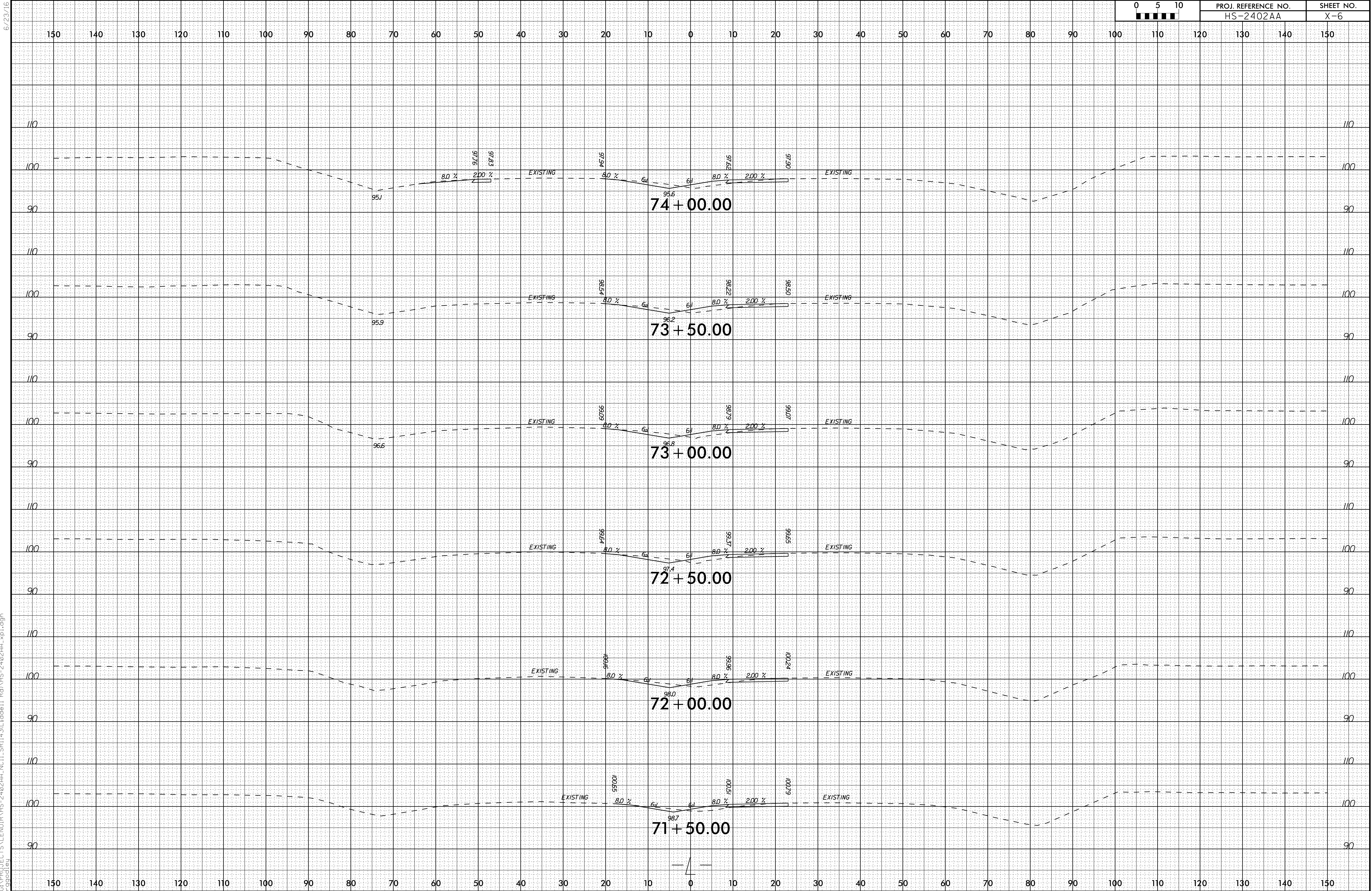


6/23/16

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cgoddey



6/23/16



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cgodley

6/23/16

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cgodley

