

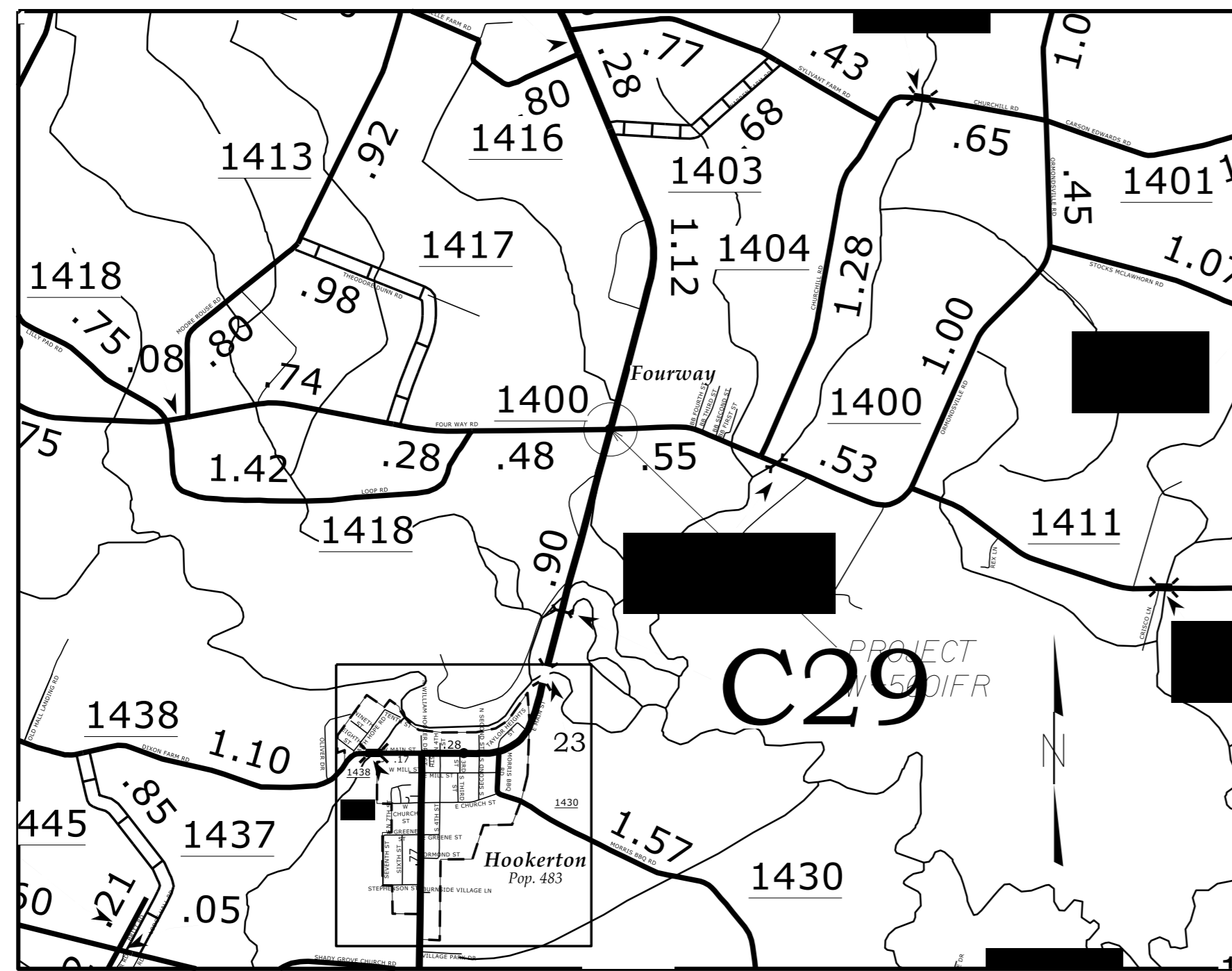
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W-5601FR	1	14
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
50138.1.175	HSIP-0123(004)	PE	
50138.2.175	HSIP-0123(004)	R/W	
50138.3.175	HSIP-0123(004)	CONST	

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

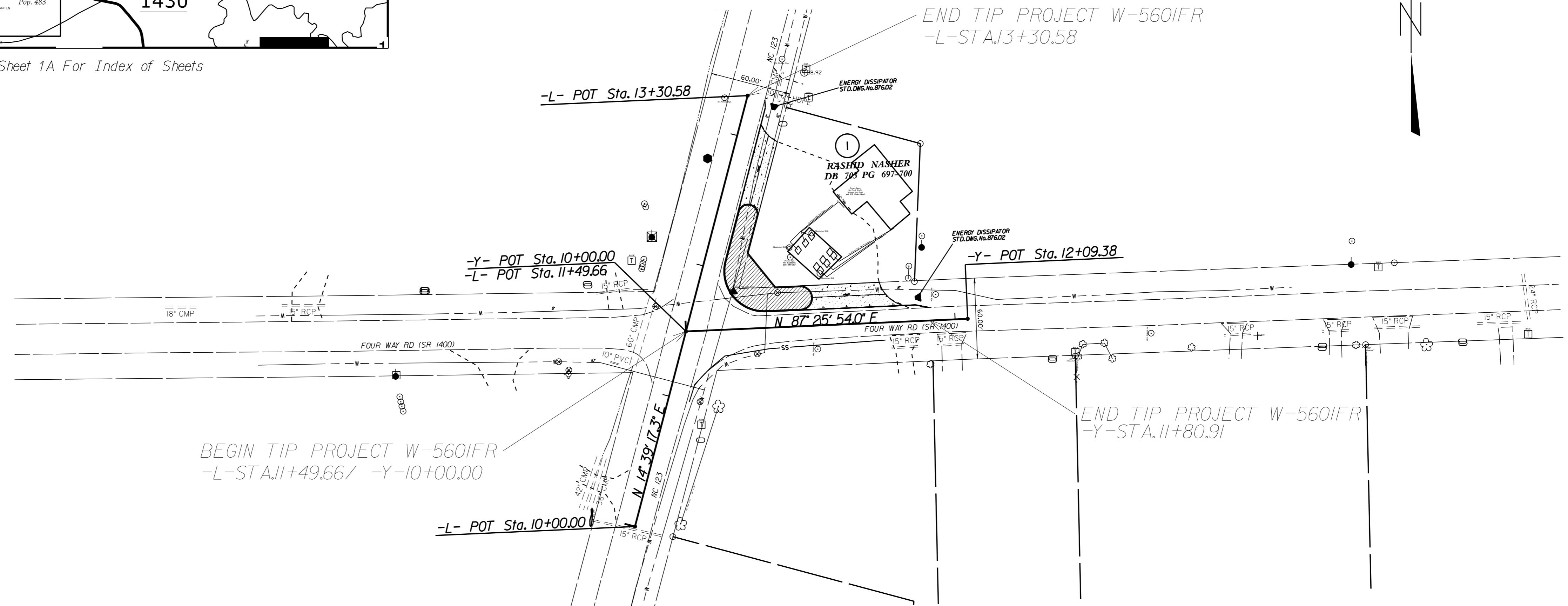
**GREENE COUNTY**

**LOCATION: INTERSECTION OF NC123 AT SR1400  
(FOUR WAY ROAD)**

**TYPE OF WORK: SAFETY IMPROVEMENTS  
CHANALIZATION OF SIGHT TRIANGLE  
AND DRIVEWAY IMPROVEMENTS**



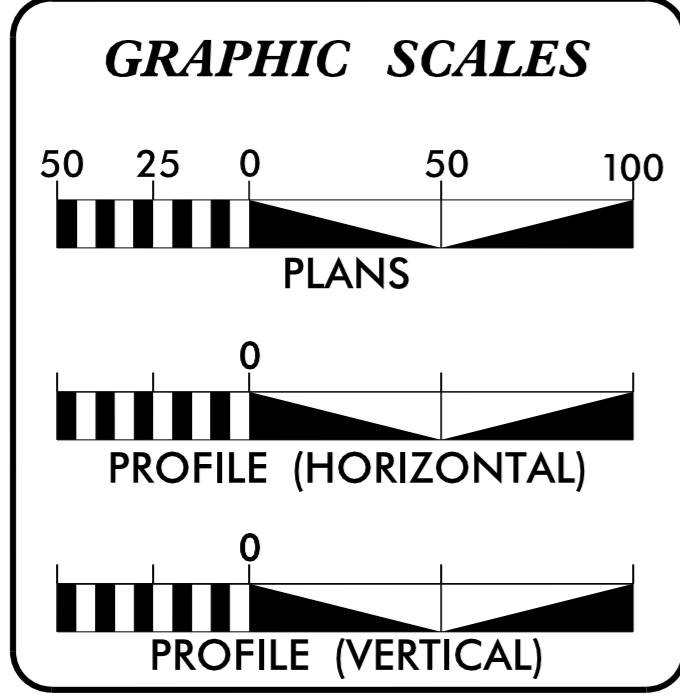
See Sheet 1A For Index of Sheets



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

TIP PROJECT: W-5601FR

CONTRACT: DB00368



**PROJECT LENGTH**

**PROJECT W-5601FR LENGTH = 0.068 MILES**

Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
1704 N. GREENE ST. GREENVILLE, NC 27834

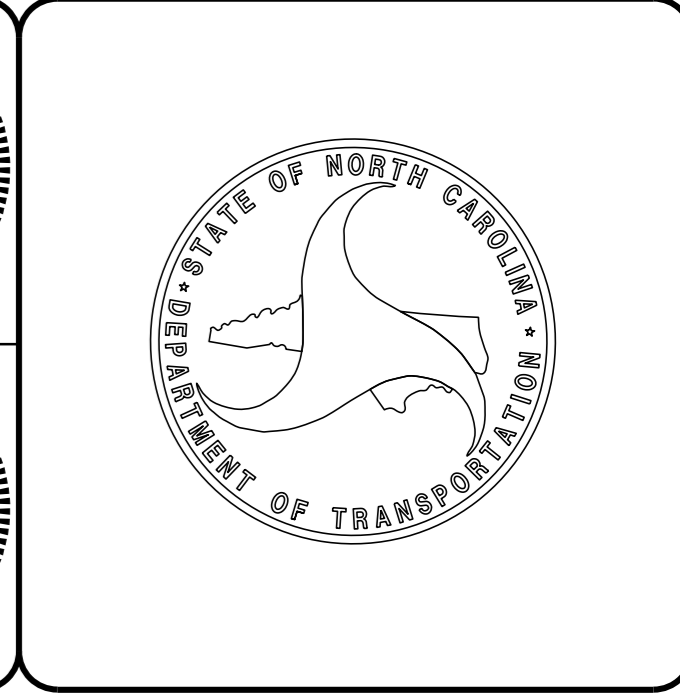
2012 STANDARD SPECIFICATIONS	
<b>RIGHT OF WAY DATE:</b> AUGUST 2016	<b>WILLIAM C KINCANNON</b> PROJECT ENGINEER
<b>LETTING DATE:</b> JULY 2017	<b>RICH GODLEY</b> PROJECT DESIGN ENGINEER

**HYDRAULICS ENGINEER**

DocuSigned by:  
*William C Kincannon*  
SIGNATURE: 6/28/2017

**ROADWAY DESIGN ENGINEER**

DocuSigned by:  
*William C Kincannon*  
SIGNATURE: 6/28/2017



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INDEX OF SHEETS

1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, STANDARD DRAWINGS
1B	CONVENTIONAL SYMBOLS
1C	SURVEY CONTROL SHEET
2	TYPICAL SECTIONS
3	SUMMARY OF QUANTITIES
3A	SUMMARY OF EARTHWORK
4-5	PLANSHEET
X1A	CROSS SECTION SUMMARY
X1-X4	CROSS SECTION SHEET

GENERAL NOTES:

2012 SPECIFICATIONS  
EFFECTIVE: 01-17-2012  
REVISED: 07-30-2012

SUBSURFACE PLANS:

NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.

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.

GRADING:

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED OR FUTURE 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.

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:

OWNERS:  
GREENE COUNTY REGIONAL WATER SYSTEM  
CENTURYLINK  
INFINITYLINK COMMUNICATIONS, INC.  
PITT AND GREENE EMC

RIGHT-OF-WAY MARKERS:

ALL RIGHT-OF-WAY MARKERS ON THIS PROJECT SHALL BE PLACED BY OTHERS.

2012 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N. C. Department of Transportation - Raleigh, N. C., Dated January, 2012 are applicable to this project and by reference hereby are considered a part of these plans:

STD.NO.	TITLE
DIVISION 2 - EARTHWORK	
200.2	METHOD OF CLEARING - METHOD 11
225.02	GUIDE FOR GRADING SUBGRADE - SECONDARY AND LOCAL
DIVISION 5 - SUBGRADE, BASES AND SHOULDERS	
560.01	METHOD OF SHOULDER CONSTRUCTION - METHOD 1
DIVISION 8 - INCIDENTALS	
846.01	CONCRETE CURB, GUTTER AND CURB & GUTTER
852.01	CONCRETE ISLANDS
876.02	GUIDE FOR RIP RAP AT PIPE OUTLETS
DIVISION 11 - WORK ZONE TRAFFIC CONTROL	
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES

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

Note: Not to Scale \*S.U.E. = Subsurface Utility Engineering

### BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin	○ EIP
Property Corner	-----
Property Monument	□ EDM
Parcel/Sequence Number	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	-----
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	○ S
Well	○ W
Small Mine	✕
Foundation	□
Area Outline	□
Cemetery	□
Building	□
School	□
Church	□
Dam	□

### HYDROLOGY:

Stream or Body of Water	-----
Hydro, Pool or Reservoir	-----
Jurisdictional Stream	----- JS
Buffer Zone 1	----- BZ 1
Buffer Zone 2	----- BZ 2
Flow Arrow	←
Disappearing Stream	-----
Spring	○
Wetland	-----
Proposed Lateral, Tail, Head Ditch	-----
False Sump	-----

### RAILROADS:

Standard Gauge	-----
RR Signal Milepost	○ MILEPOST 35
Switch	□ SWITCH
RR Abandoned	-----
RR Dismantled	-----

### RIGHT OF WAY:

Baseline Control Point	◆
Existing Right of Way Marker	△
Existing Right of Way Line	-----
Proposed Right of Way Line	----- R/W
Proposed Right of Way Line with Iron Pin and Cap Marker	----- R/W ▲
Proposed Right of Way Line with Concrete or Granite R/W Marker	----- R/W ▲
Proposed Control of Access Line with Concrete CA Marker	----- C/A
Existing Control of Access	----- C/A
Proposed Control of Access	----- C/A
Existing Easement Line	----- E
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
Proposed Permanent Easement with Iron Pin and Cap Marker	◆

### ROADS AND RELATED FEATURES:

Existing Edge of Pavement	-----
Existing Curb	-----
Proposed Slope Stakes Cut	----- C
Proposed Slope Stakes Fill	----- F
Proposed Curb Ramp	----- CR
Existing Metal Guardrail	-----
Proposed Guardrail	-----
Existing Cable Guiderail	-----
Proposed Cable Guiderail	-----
Equality Symbol	⊕
Pavement Removal	-----

### VEGETATION:

Single Tree	☼
Single Shrub	☼
Hedge	-----
Woods Line	-----

Orchard	☼ ☼ ☼ ☼
Vineyard	□ 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	○ S
Storm Sewer	----- S

### UTILITIES:

POWER:	
Existing Power Pole	●
Proposed Power Pole	○
Existing Joint Use Pole	●
Proposed Joint Use Pole	○
Power Manhole	⊕
Power Line Tower	⊠
Power Transformer	⊠
U/G Power Cable Hand Hole	●
H-Frame Pole	●
U/G Power Line LOS B (S.U.E.*)	----- P
U/G Power Line LOS C (S.U.E.*)	----- P
U/G Power Line LOS D (S.U.E.*)	----- P

### TELEPHONE:

Existing Telephone Pole	●
Proposed Telephone Pole	○
Telephone Manhole	⊕
Telephone Pedestal	⊠
Telephone Cell Tower	⊠
U/G Telephone Cable Hand Hole	●
U/G Telephone Cable LOS B (S.U.E.*)	----- T
U/G Telephone Cable LOS C (S.U.E.*)	----- T
U/G Telephone Cable LOS D (S.U.E.*)	----- T
U/G Telephone Conduit LOS B (S.U.E.*)	----- TC
U/G Telephone Conduit LOS C (S.U.E.*)	----- TC
U/G Telephone Conduit LOS D (S.U.E.*)	----- TC
U/G Fiber Optics Cable LOS B (S.U.E.*)	----- T FO
U/G Fiber Optics Cable LOS C (S.U.E.*)	----- T FO
U/G Fiber Optics Cable LOS D (S.U.E.*)	----- T FO

### WATER:

Water Manhole	⊕
Water Meter	○
Water Valve	⊗
Water Hydrant	⊕
U/G Water Line LOS B (S.U.E.*)	----- W
U/G Water Line LOS C (S.U.E.*)	----- W
U/G Water Line LOS D (S.U.E.*)	----- W
Above Ground Water Line	----- A/G Water

### TV:

TV Pedestal	⊠
TV Tower	⊗
U/G TV Cable Hand Hole	●
U/G TV Cable LOS B (S.U.E.*)	----- TV
U/G TV Cable LOS C (S.U.E.*)	----- TV
U/G TV Cable LOS D (S.U.E.*)	----- TV
U/G Fiber Optic Cable LOS B (S.U.E.*)	----- TV FO
U/G Fiber Optic Cable LOS C (S.U.E.*)	----- TV FO
U/G Fiber Optic Cable LOS D (S.U.E.*)	----- TV FO

### GAS:

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

### SANITARY SEWER:

Sanitary Sewer Manhole	⊕
Sanitary Sewer Cleanout	⊕
U/G Sanitary Sewer Line	----- SS
Above Ground Sanitary Sewer	----- A/G Sanitary Sewer
SS Forced Main Line LOS B (S.U.E.*)	----- FSS
SS Forced Main Line LOS C (S.U.E.*)	----- FSS
SS Forced Main Line LOS D (S.U.E.*)	----- FSS

### MISCELLANEOUS:

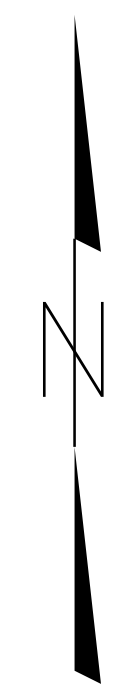
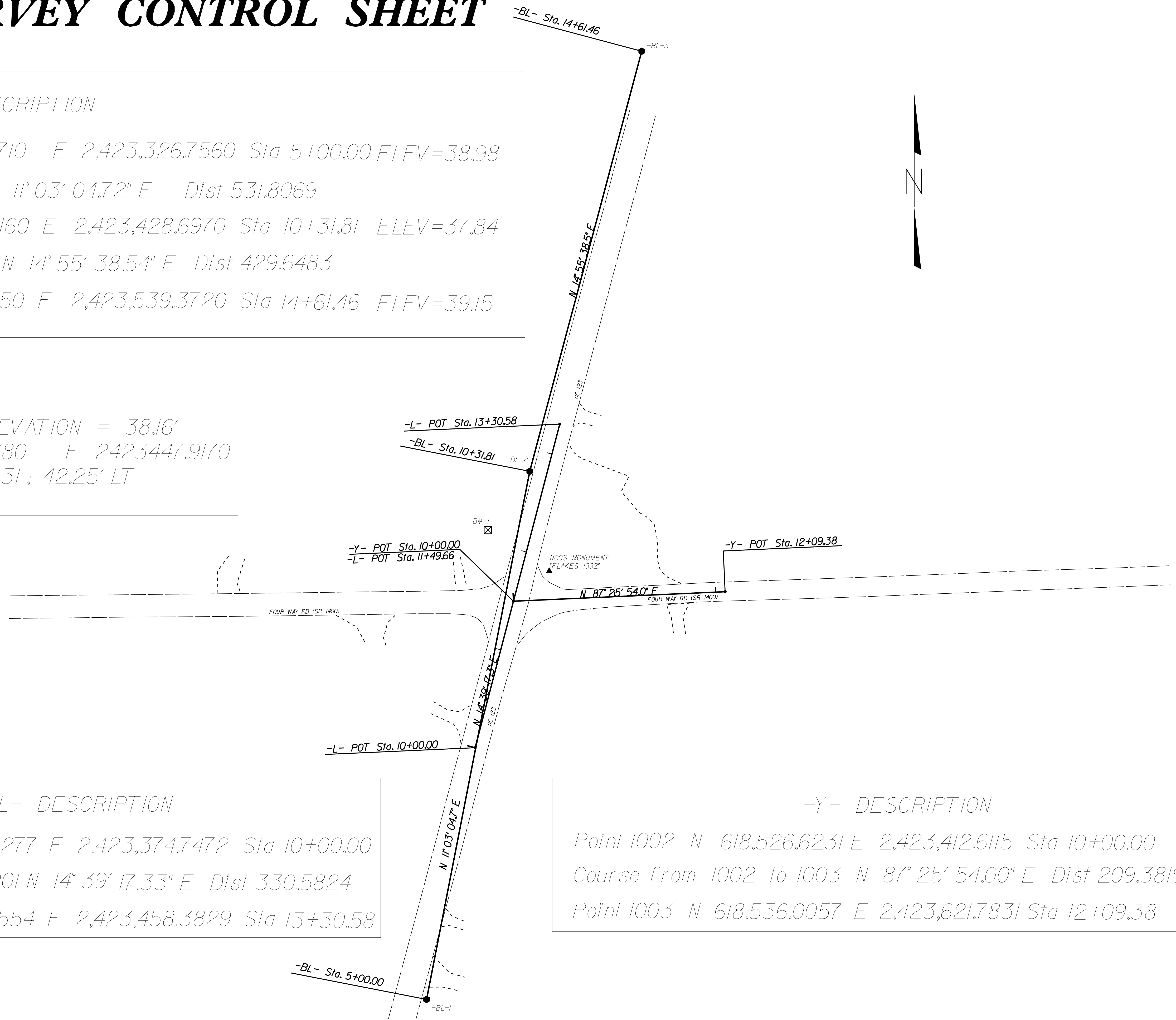
Utility Pole	●
Utility Pole with Base	□
Utility Located Object	○
Utility Traffic Signal Box	⊠
Utility Unknown U/G Line LOS B (S.U.E.*)	----- ?U/L
U/G Tank; Water, Gas, Oil	□
Underground Storage Tank, Approx. Loc.	⊕
A/G Tank; Water, Gas, Oil	□
Geoenvironmental Boring	⊕
U/G Test Hole LOS A (S.U.E.*)	●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

# SURVEY CONTROL SHEET

## -BL- DESCRIPTION

Point 1 N 618,133.0710 E 2,423,326.7560 Sta 5+00.00 ELEV=38.98  
 Course from 1 to 2 N 11° 03' 04.72" E Dist 531.8069  
 Point 2 N 618,655.0160 E 2,423,428.6970 Sta 10+31.81 ELEV=37.84  
 Course from 2 to 3 N 14° 55' 38.54" E Dist 429.6483  
 Point 3 N 619,070.1650 E 2,423,539.3720 Sta 14+61.46 ELEV=39.15

BMI ELEVATION = 38.16'  
 N 618556.4680 E 2423447.9170  
 -L-STA.12+11.31; 42.25' LT  
 NIB OF PP



## -L- DESCRIPTION

Point 1000 N 618,381.8277 E 2,423,374.7472 Sta 10+00.00  
 Course from 1000 to 1001 N 14° 39' 17.33" E Dist 330.5824  
 Point 1001 N 618,701.6554 E 2,423,458.3829 Sta 13+30.58

## -Y- DESCRIPTION

Point 1002 N 618,526.6231 E 2,423,412.6115 Sta 10+00.00  
 Course from 1002 to 1003 N 87° 25' 54.00" E Dist 209.3819  
 Point 1003 N 618,536.0057 E 2,423,621.7831 Sta 12+09.38

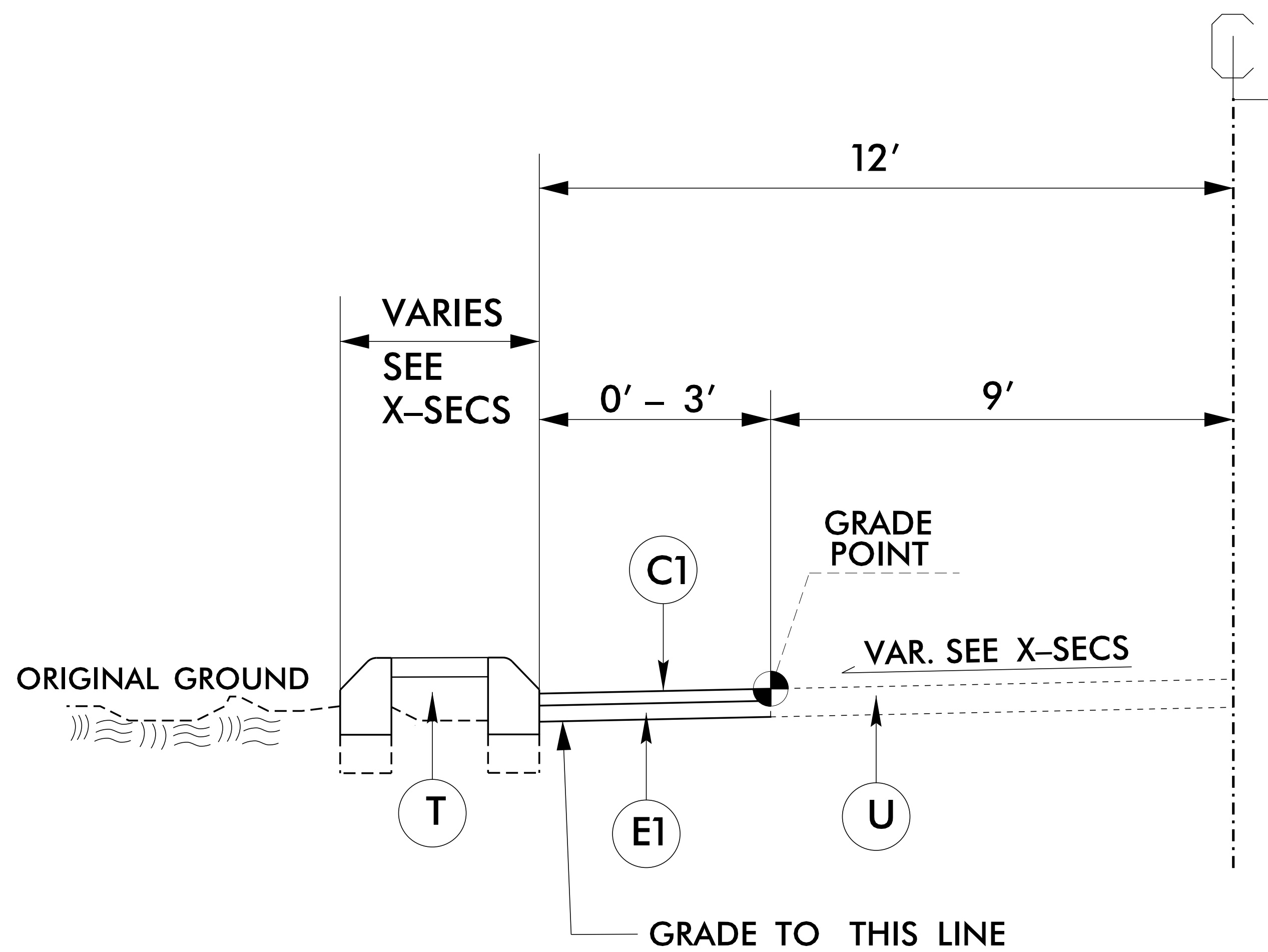
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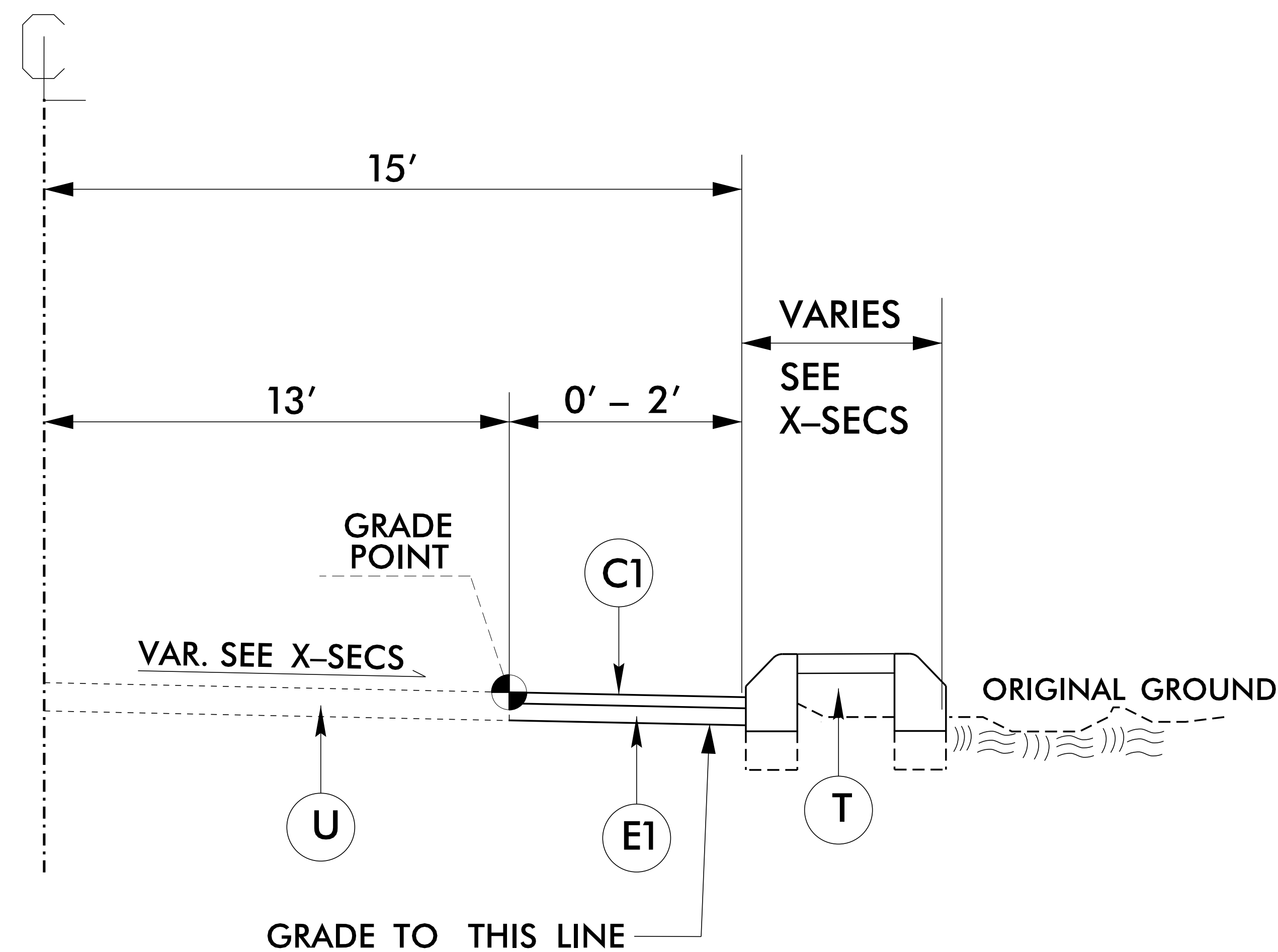
<b>C1</b>	PROP. APPROX. 3.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD. IN EACH OF TWO LAYERS
<b>E1</b>	PROP. APPROX. 4.0" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
<b>T</b>	EARTH MATERIAL.
<b>U</b>	EXISTING PAVEMENT.

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



*USE TYPICAL SECTION #1*

*-Y- 10+46.91 - 11+80.91*



*USE TYPICAL SECTION #2*

*-L- 11+94.36 - 13+30.58*

REVISIONS

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STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

## SUMMARY OF QUANTITIES

SECT	QUANTITY	UNIT	ITEM DESCRIPTION
800	1	LS	MOBILIZATION
801	1	LS	CONSTRUCTION SURVEYING
226	1	LS	GRADING
545	5	TON	INCIDENTAL STONE BASE
610	20	TON	ASPHALT CONCRETE BASE COURSE,TYPE B25.0B
610	20	TON	ASPHALT CONCRETE SURFACE COURSE,TYPE S9.5B
620	5	TON	ASPHALT BINDER FOR PLANT MIX,GRADE PG64-22
846	250	LF	8" X 12" CONCRETE CURB
848	210	SY	6" CONCRETE DRIVEWAY
852	226	SY	4" CONCRETE ISLAND COVER
858	2	EA	ADJUSTMENTS OF METER BOXES OR VALVE BOXES
876	4	TON	RIP RAP,CLASS B
876	10	SY	GEOTEXTILE FOR DRAINAGE
SP	96	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
SP	1	LS	TEMPORARY TRAFFIC CONTROL
1660	0.01	AC	SEED AND MULCH

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**SUMMARY OF EARTHWORK  
IN CUBIC YARDS**

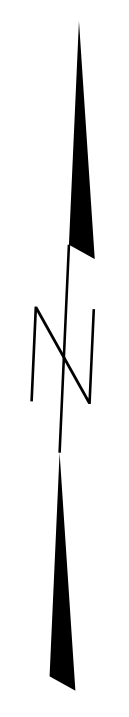
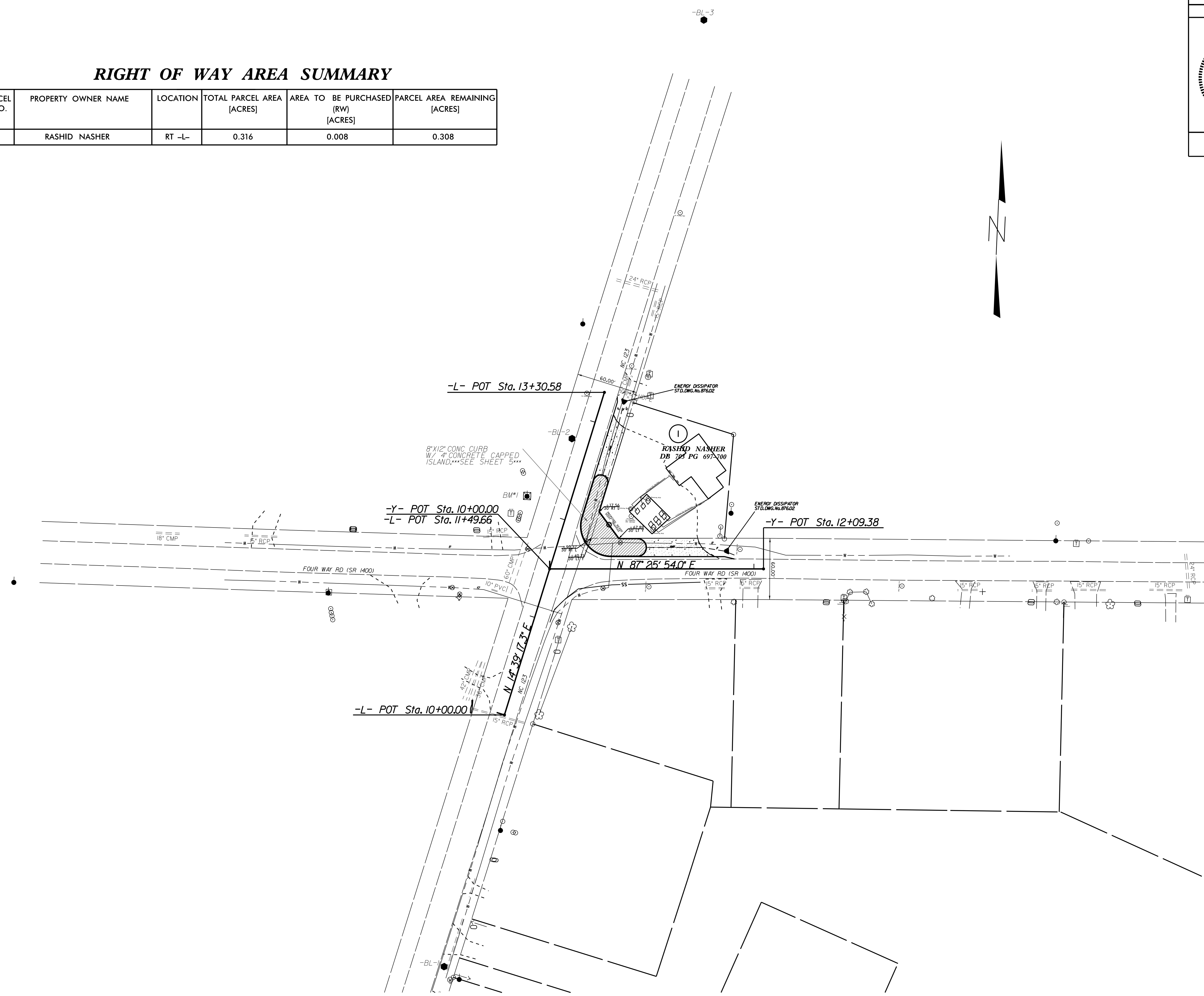
LOCATION	UNCLASSIFIED EXCAVATION	BOX CULVERT EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
-L- 11+94.36 - 13+30.58	24	0	0	11	0	13
-Y- 10+46.91 - 11+80.91	32	0	0	7	0	25
SUB TOTAL	56	0	0	18	0	38
SAY	60	0	0	20	0	40

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**RIGHT OF WAY AREA SUMMARY**

PARCEL NO.	PROPERTY OWNER NAME	LOCATION	TOTAL PARCEL AREA [ACRES]	AREA TO BE PURCHASED (RW) [ACRES]	PARCEL AREA REMAINING [ACRES]
1	RASHID NASHER	RT -L-	0.316	0.008	0.308



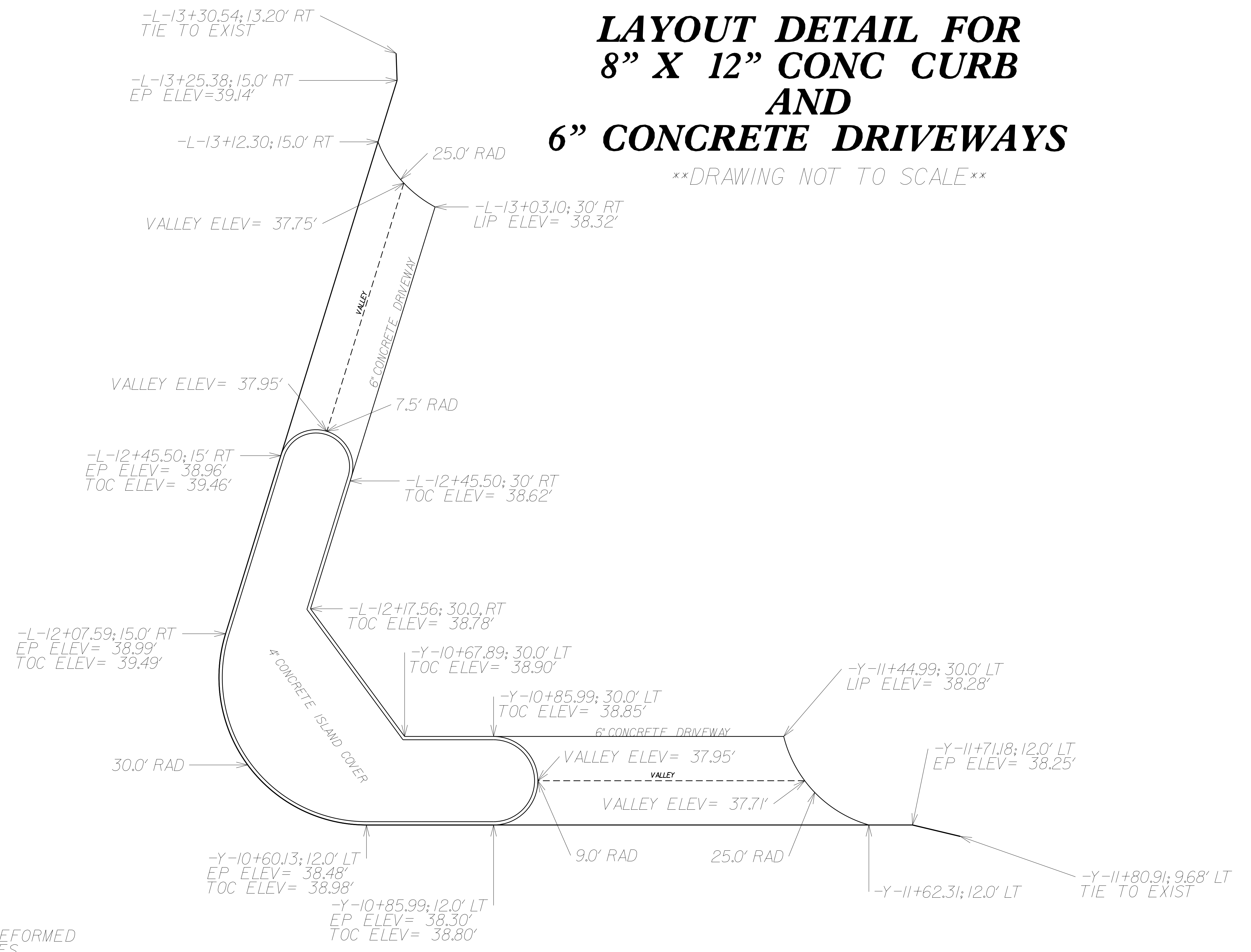
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# LAYOUT DETAIL FOR 8" X 12" CONC CURB AND 6" CONCRETE DRIVEWAYS

\*\*DRAWING NOT TO SCALE\*\*



\*NOTE\*  
FINAL SIGNAGE WILL BE PREFORMED  
BY NCDOT TRAFFIC SERVICES

REVISIONS

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DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

## CROSS-SECTION SUMMARY

IN CUBIC YARDS

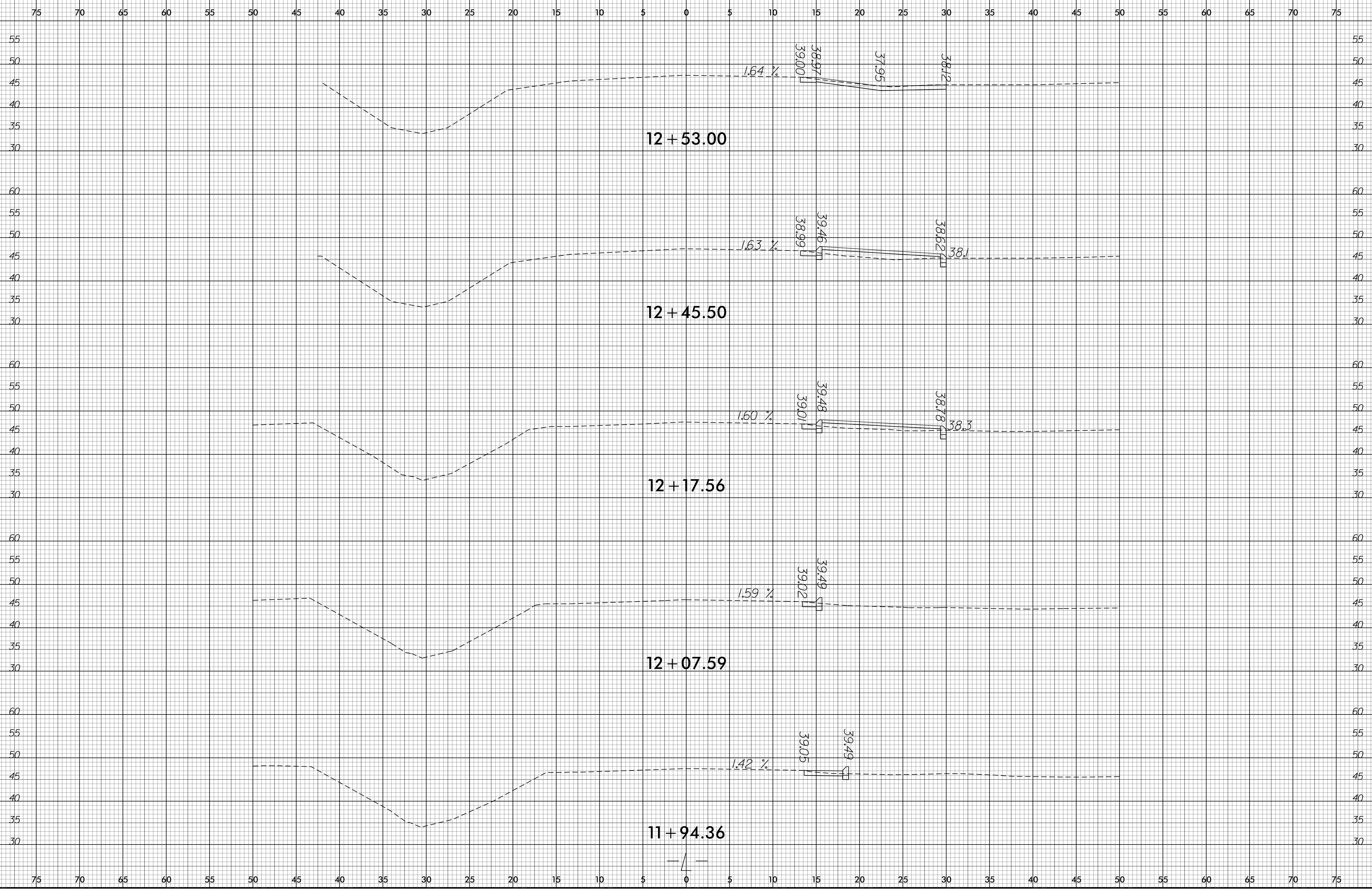
LOCATION (-L-)	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBANKMENT
<i>11 + 94.36</i>	<i>0</i>		<i>0</i>
<i>12 + 07.59</i>	<i>1</i>		<i>0</i>
<i>12 + 17.56</i>	<i>1</i>		<i>1</i>
<i>12 + 45.50</i>	<i>2</i>		<i>8</i>
<i>12 + 53.00</i>	<i>1</i>		<i>1</i>
<i>13 + 03.10</i>	<i>15</i>		<i>0</i>
<i>13 + 25.38</i>	<i>4</i>		<i>1</i>
<i>13 + 30.58</i>	<i>0</i>		<i>0</i>

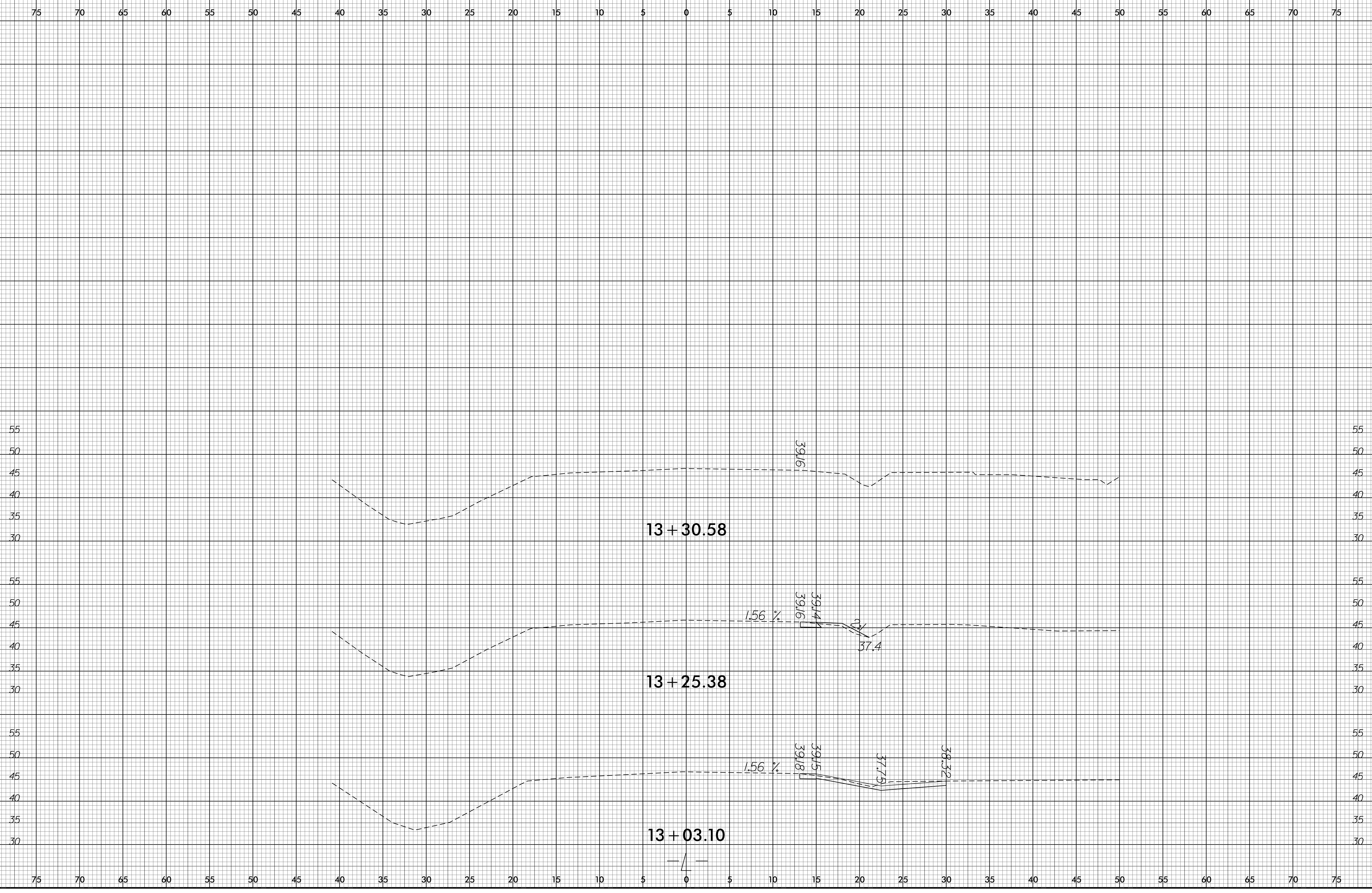
LOCATION (-Y-)	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBANKMENT
<i>10 + 46.91</i>	<i>0</i>		<i>0</i>
<i>10 + 60.13</i>	<i>1</i>		<i>0</i>
<i>10 + 67.91</i>	<i>1</i>		<i>1</i>
<i>10 + 85.99</i>	<i>2</i>		<i>4</i>
<i>10 + 94.99</i>	<i>2</i>		<i>1</i>
<i>11 + 44.99</i>	<i>20</i>		<i>0</i>
<i>11 + 71.18</i>	<i>6</i>		<i>1</i>
<i>11 + 80.91</i>	<i>0</i>		<i>0</i>

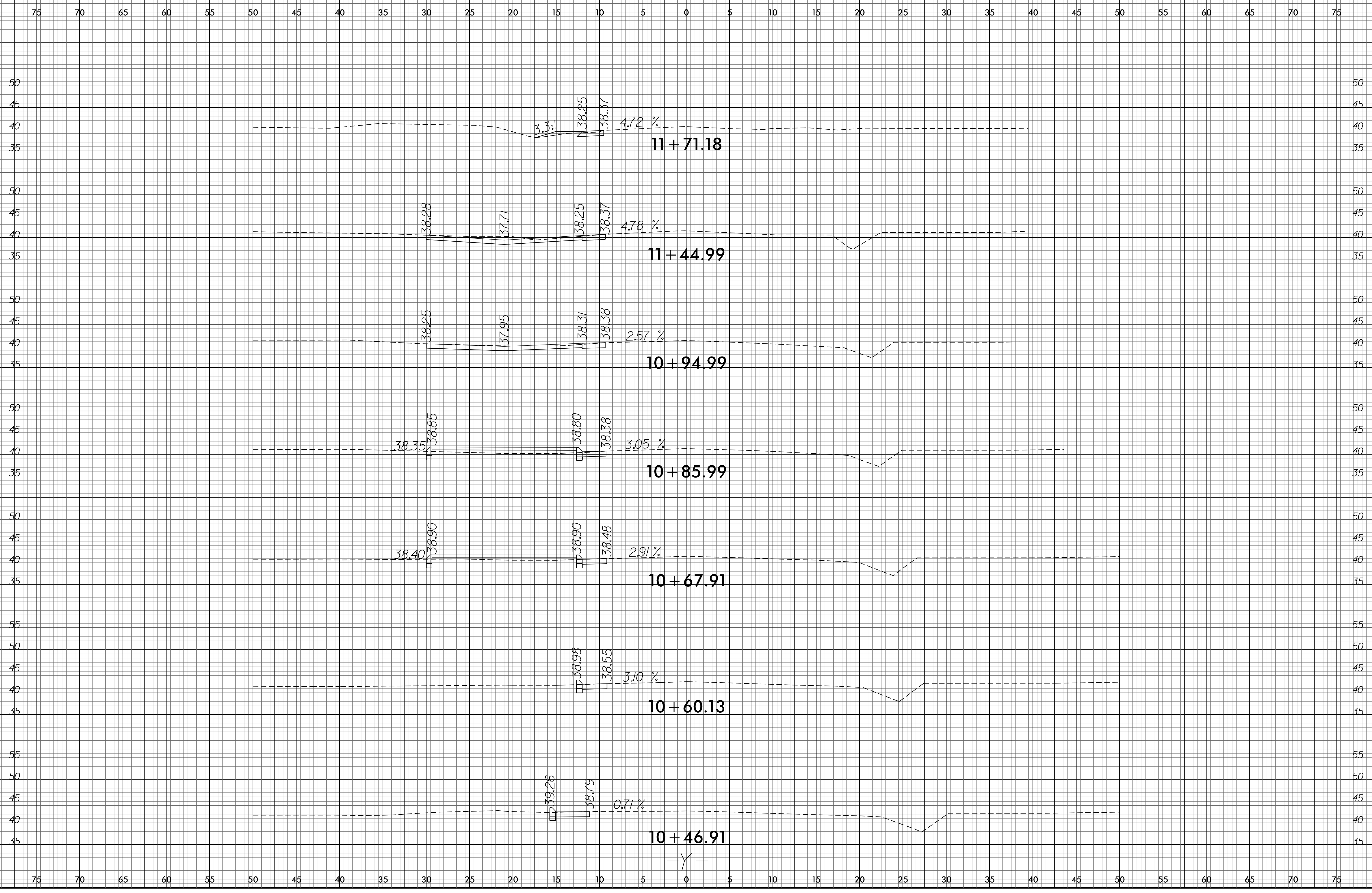
NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT.

NOTE:

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



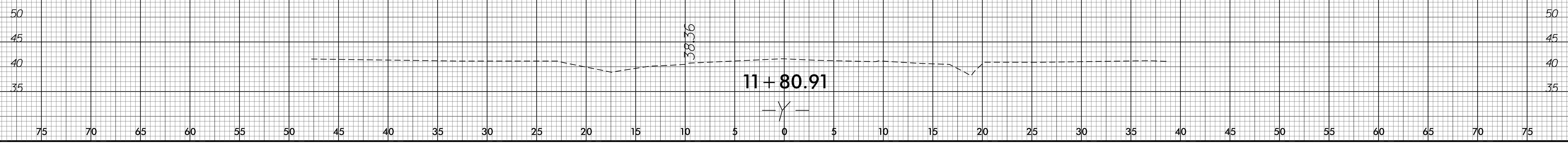




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