

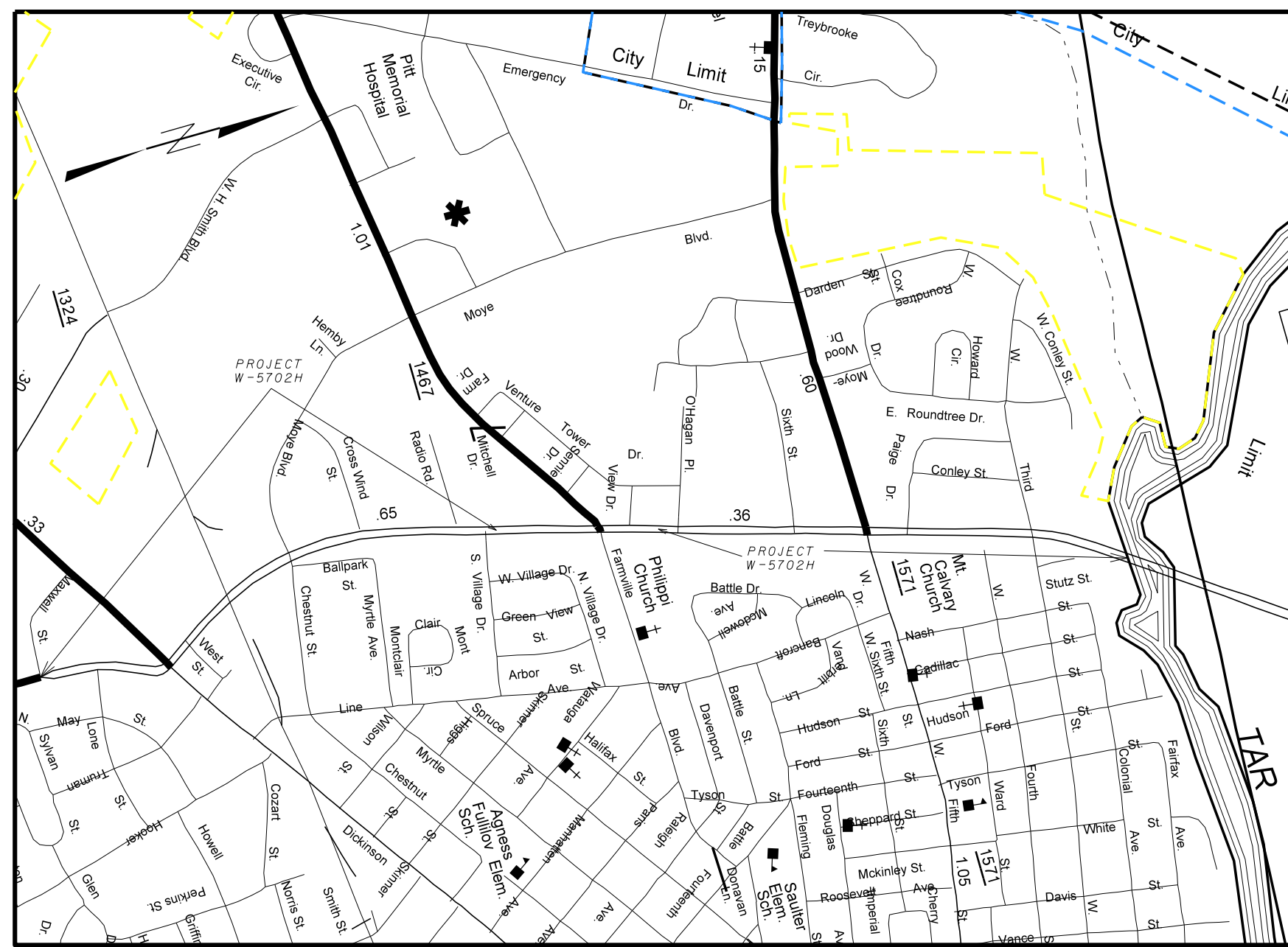
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W-5702H	1	26
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
44848.1.8	HSIP-0013(066)	PE	
44848.2.8	HSIP-0013(066)	R/W	
44848.3.8	HSIP-0013(066)	CONST	

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

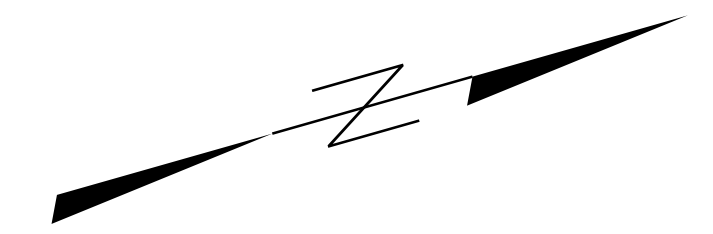
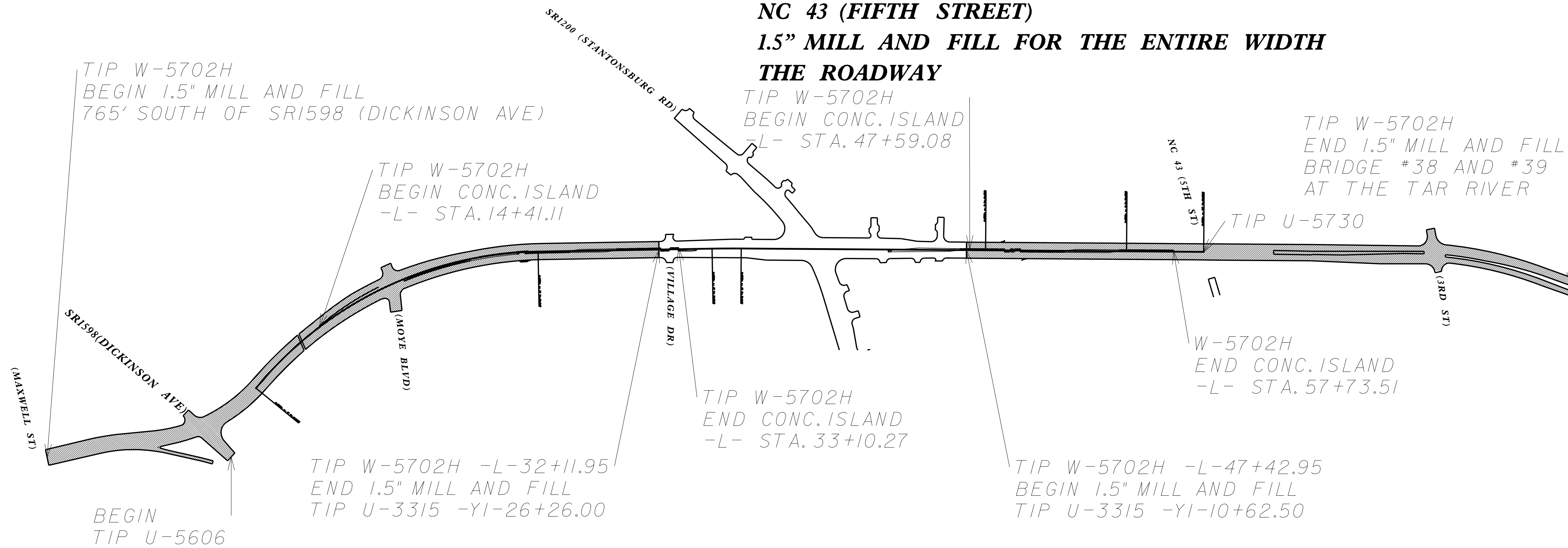
# PITT COUNTY

**LOCATION: US 13/NC 11 (MEMORIAL DRIVE)  
FROM 765' SOUTH OF SR1598 (DICKINSON AVE)  
TO PITT BRIDGE #38 AND #39 AT THE TAR RIVER**

**TYPE OF WORK: CONSTRUCT RAISED CONCRETE/  
LANDSCAPED DIVIDER ISLANDS  
PROVIDE SOUTHBOUND LEFTOVER  
NORTH OF MOYE BLVD;  
PROVIDE NORTHBOUND AND SOUTHBOUND  
LEFTOVERS AT SOUTH VILLAGE DRIVE;  
PROVIDE NORTHBOUND AND SOUTHBOUND  
LEFTOVER BETWEEN O'HAGAN PLACE AND  
NC 43 (FIFTH STREET)  
1.5" MILL AND FILL FOR THE ENTIRE WIDTH  
THE ROADWAY**



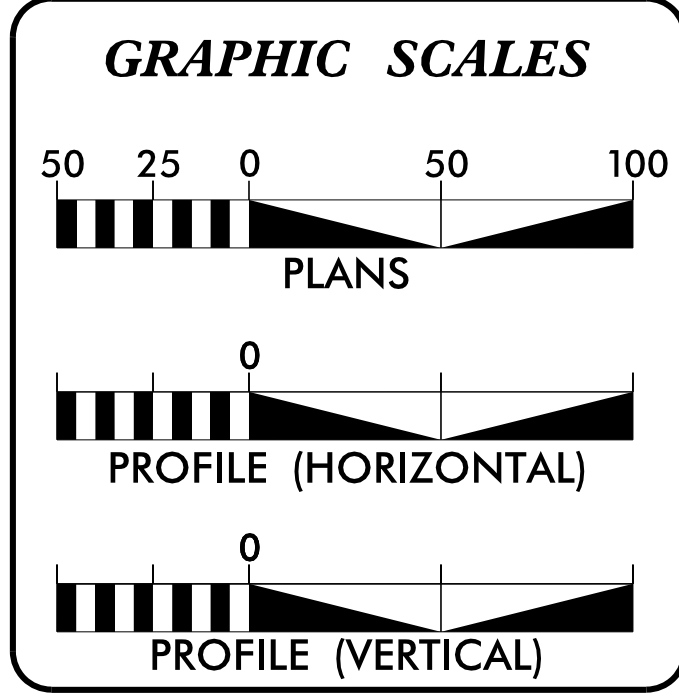
See Sheet 1A For Index of Sheets



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

**TIP PROJECT: W-5702H**

**CONTRACT: DB00479**



**PROJECT LENGTH**

**PROJECT LENGTH FOR TIP PROJECT W-5702H = 1.130 MI**

Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
1037 WH SMITH BLVD., GREENVILLE, NC 27835

2018 STANDARD SPECIFICATIONS

**RIGHT OF WAY DATE:** N/A

**LETTING DATE:** FEBRUARY 2021

**JEFFREY D. CABANISS, PE**  
PROJECT ENGINEER

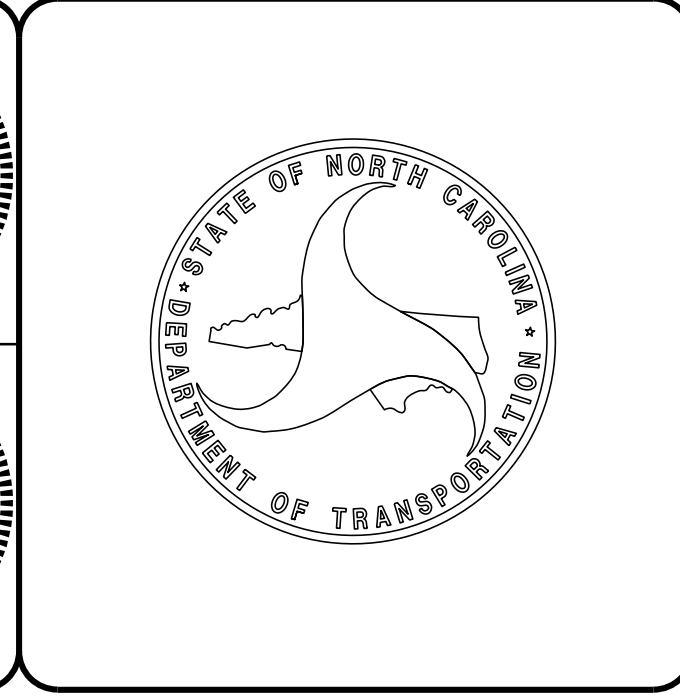
**RICH GODLEY**  
PROJECT DESIGN ENGINEER

**HYDRAULICS ENGINEER**

DocuSigned by:  
*Jeffrey D. Cabaniss*  
SIGNATURE:

**ROADWAY DESIGN ENGINEER**

DocuSigned by:  
*Jeffrey D. Cabaniss*  
SIGNATURE:



26-JAN-2021 12:11 G:\PROJECTS\PITT\W-5702H\W-5702H\W5702H\_PSH\_1.dgn \$\$\$USERNAME\$\$\$

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

INDEX OF SHEETS

1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, STANDARD DRAWINGS
1B	CONVENTIONAL SYMBOLS
RW02C-2	SURVEY CONTROL SHEET
2-2A	TYPICAL SECTIONS
2B	MEDIAN ISLAND W/ CUT THROUGH DETAIL
3	SUMMARY OF QUANTITIES
3A	SUMMARY OF EARTHWORK
4-7	PLANSHEET
8-11	LAYOUT SHEETS
PMP1- PMP4	PAVEMENT MARKING SHEET
X1A	CROSS SECTION SUMMARY
X1-X4	CROSS SECTION SHEET

GENERAL NOTES:

2018 SPECIFICATIONS  
EFFECTIVE: 01-16-2018

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.

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:  
GREENVILLE UTILITIES COMMISSION  
CENTURYLINK  
SUDDENLINK COMMUNICATIONS

2018 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N. C. Department of Transportation - Raleigh, N. C., Dated January 16, 2018 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 II
225.02	GUIDE FOR GRADING SUBGRADE - SECONDARY AND LOCAL
DIVISION 8 - INCIDENTALS	
846.01	CONCRETE CURB
848.02	DRIVEWAY TURNOUT-RADIUS TYPE
848.05	CURB RAMP-PROPOSED CURB & GUTTER
848.06	CURB RAMP-EXISTING CURB & GUTTER
852.01	CONCRETE ISLANDS
DIVISION 11 - WORK ZONE TRAFFIC CONTROL	
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
DIVISION 12 - PAVEMENT MARKINGS, MARKERS AND DELINEATION	
1205.01	LINE TYPES OFFSETS
1205.02	DIVIDED AND UNDIVIDED ROADWAYS
1205.05	TURN LANES
1205.07	PEDESTRIAN CROSSWALKS
1205.08	SYMBOLS AND WORD MESSAGES
1205.11	RAILROAD CROSSINGS
1250.01	PAVEMENT MARKER SPACING
1253.01	SNOWPLOWABLE RAISED PAVEMENT MARKERS
1266.01	RAISED PAVEMENT MARKERS
DIVISION 16 - EROSION CONTROL	
1605.01	TEMPORARY SILT FENCE



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

## BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin	○ EIP
Computed 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	---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	○ 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 & PROJECT CONTROL:

Secondary Horiz and Vert Control Point	◆
Primary Horiz Control Point	○
Primary Horiz and Vert Control Point	◆
Exist Permanent Easement Pin and Cap	◇
New Permanent Easement Pin and Cap	◆
Vertical Benchmark	⊠
Existing Right of Way Marker	△
Existing Right of Way Line	-----
New Right of Way Line	-----
New Right of Way Line with Pin and Cap	-----
New Right of Way Line with Concrete or Granite RW Marker	-----
New Control of Access Line with Concrete C/A Marker	-----
Existing Control of Access	-----
New Control of Access	-----
Existing Easement Line	----- E
New Temporary Construction Easement	----- E
New Temporary Drainage Easement	----- TDE
New Permanent Drainage Easement	----- PDE
New Permanent Drainage / Utility Easement	----- DUE
New Permanent Utility Easement	----- PUE
New Temporary Utility Easement	----- TUE
New 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	-----
Proposed Guardrail	-----
Existing Cable Guiderail	-----
Proposed Cable Guiderail	-----
Equality Symbol	⊕
Pavement Removal	-----

## VEGETATION:

Single Tree	○
Single Shrub	○

Note: Not to Scale

\*S.U.E. = Subsurface Utility Engineering

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	○ 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

## PROJECT CONTROL

BL	POINT	DESC.	NORTH	EAST	ELEVATION	BL STATION	OFFSET
178			678944.4220	2476821.5510	71.37	5+00.00	0.00
132			679461.2640	2476957.1620	70.95	10+34.34	0.00
133			680380.1730	2477228.0050	70.08	19+92.33	0.00
177			680806.5610	2477347.8050	71.19	24+35.23	0.00
251			682193.9520	2477633.9190	48.29	38+51.81	0.00

## -L- DESCRIPTION

L	POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC		677179.031	2476981.468							
CURVE				N 09°58'10.3" W	1560.27	49°46'06.0*(RT)	03°05'25.4"	1610.42	859.98	1854.00
PT		678715.743	2476711.347							
LINE				N 14°54'52.7" E	866.02					
PC		679552.591	2476934.244							
CURVE				N 15°36'28.4" E	145.19	01°23'11.4*(RT)	00°57'17.7"	145.19	72.60	6000.00
PT		679692.427	2476973.308							
LINE				N 16°18'04.1" E	1216.31					
POT		680859.839	2477314.709							
LINE				N 16°19'41.2" E	701.55					
POT		681533.098	2477511.942							
LINE				N 16°17'48.8" E	384.03					
POT		681901.697	2477619.706							

### DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "GPS\_U-3315\_4" WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF NORTHING: 681564.9830 (ft) EASTING: 2479349.1500 (ft) ELEVATION: 69.20 (ft)  
 THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99989193033  
 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "GPS\_U-3315\_4" TO -L- STATION 10+00.00 IS  
 S 28°21'42" W 4,984.22'  
 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES  
 VERTICAL DATUM USED IS NAVD 88

REVISIONS

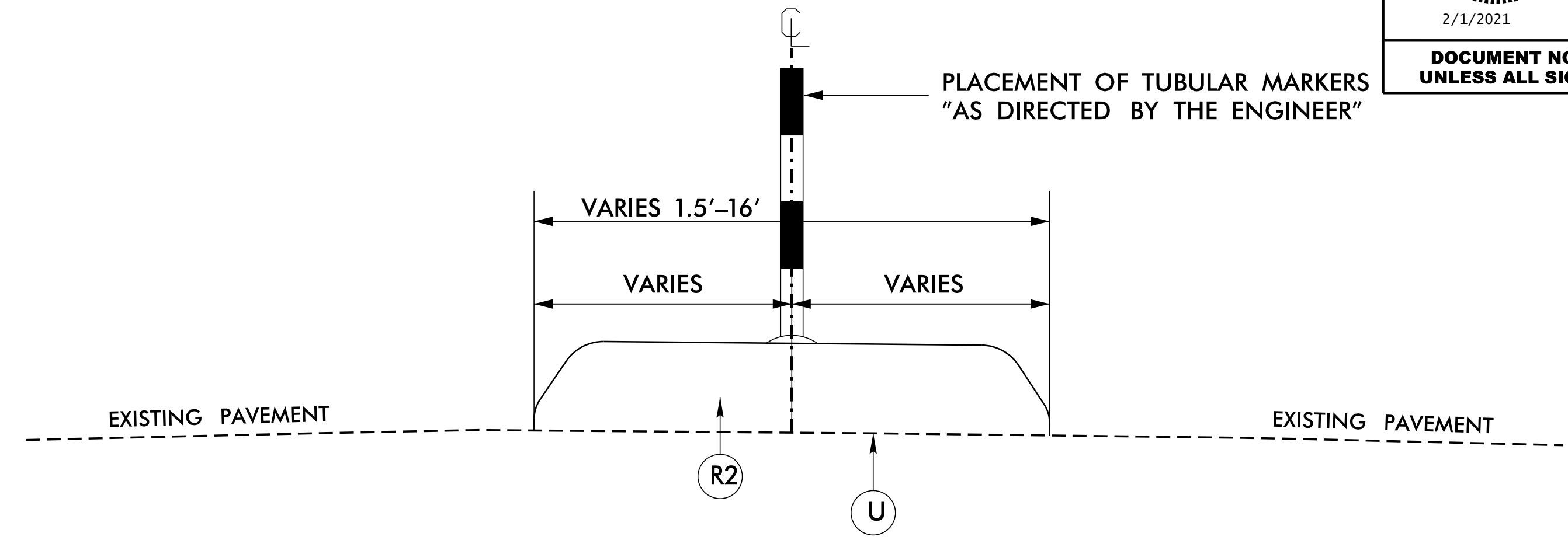
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 9:58 AM  
 26 JAN 2005 10:54 AM  
 9:58 AM  
 RW02C-2.dgn

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

R1	PROP. 1'-6" CONCRETE CURB AND GUTTER "*"
R2	PROP. 5" MONOLITHIC CONCRETE ISLAND (KEYED IN)
J	PROP. 5" AGGREGATE BASE COURSE
T	PROP. 15" TOPSOIL
T1	PROP. 2" MULCH "BY OTHERS"
U	EXISTING PAVEMENT

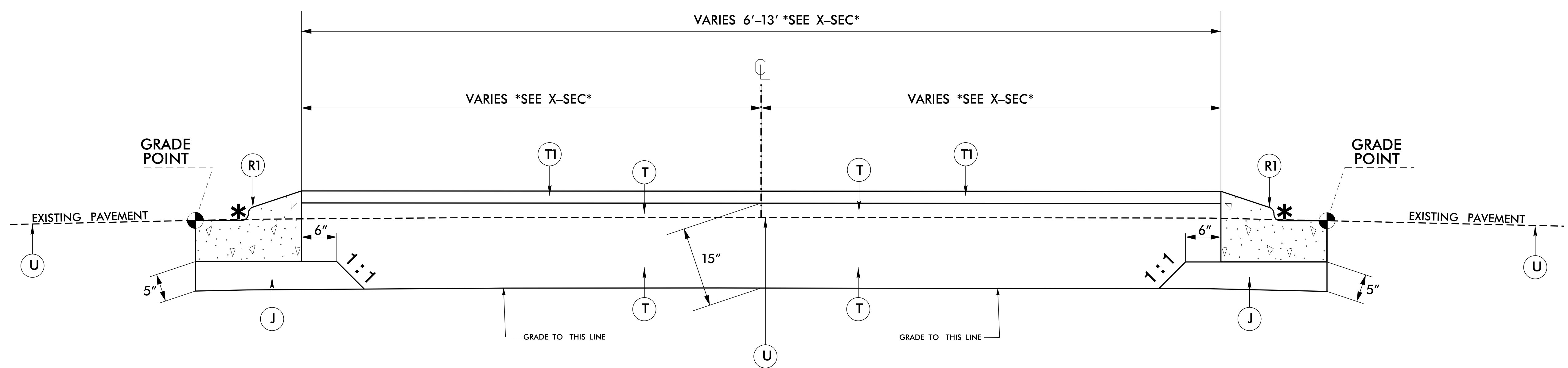
\* CONSTRUCT 1'-6" CURB & GUTTER "NOT TO CATCH SURFACE WATER"  
CONSTRUCT THE GUTTER LINE TO SPILL



\*\*\*PROPOSED 5" CONCRETE MONOLITHIC ISLAND (KEYED IN)\*\*\*

USE TYPICAL SECTION #1 (NTS)

- L- STA.14+41.11 - 22+67.21
- L- STA.25+04.95 - 27+69.58
- L- STA.30+00.90 - 33+10.27
- L- STA.47+59.08 - 52+32.01
- L- STA.55+04.11 - 57+73.53



\*\*\*PROPOSED LANDSCAPED DIVIDER ISLAND\*\*\*

USE TYPICAL SECTION #2 (NTS)

- L- STA.22+67.21 - 25+04.95
- L- STA.27+69.58 - 30+00.90
- L- STA.52+32.01 - 55+04.11

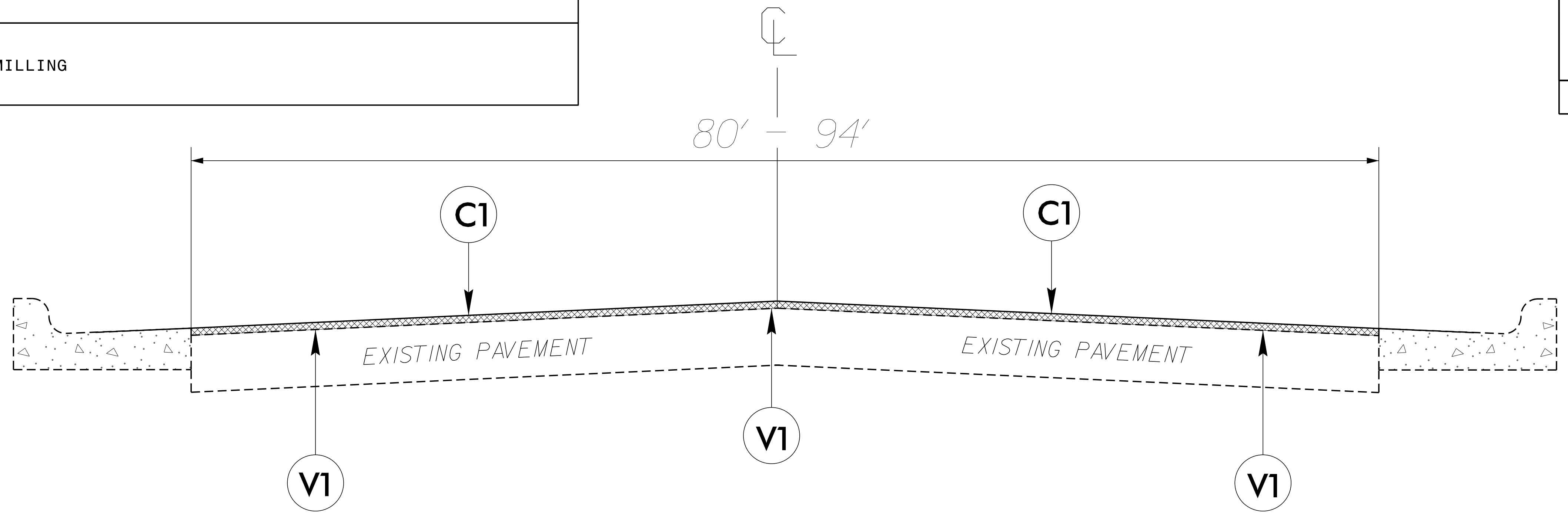
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REVISIONS

8/17/99

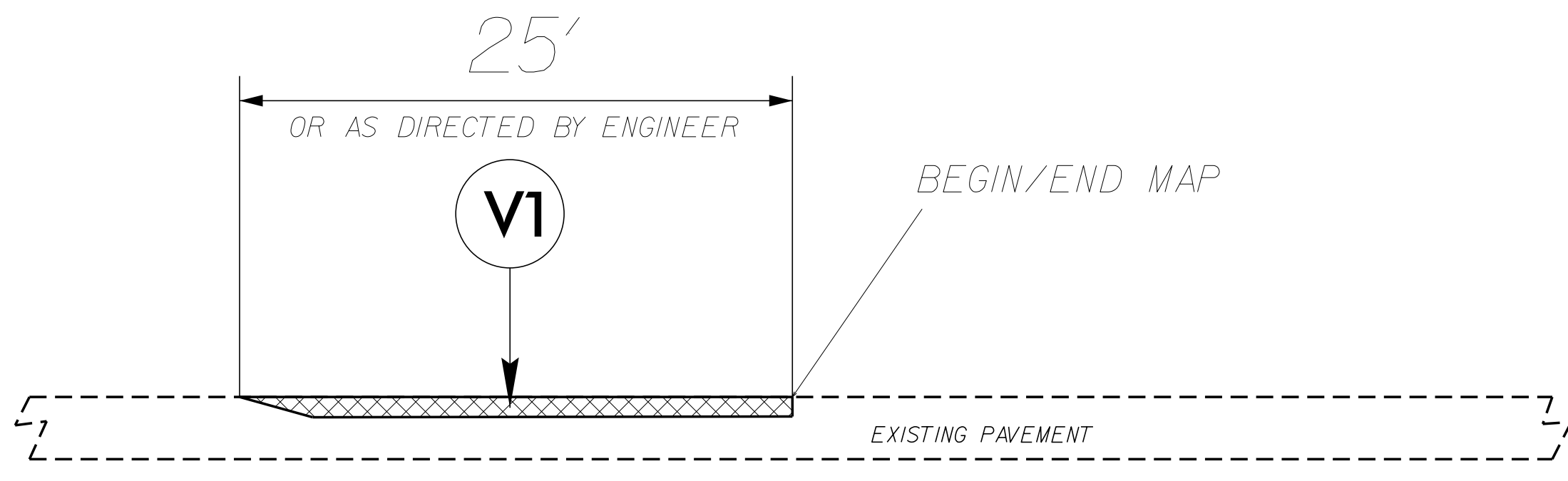
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\$\$\$\$\$USERNAME\$\$\$\$\$

C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168.0 LBS. PER SQ. YD.
V1	1.5" DEPTH MILLING



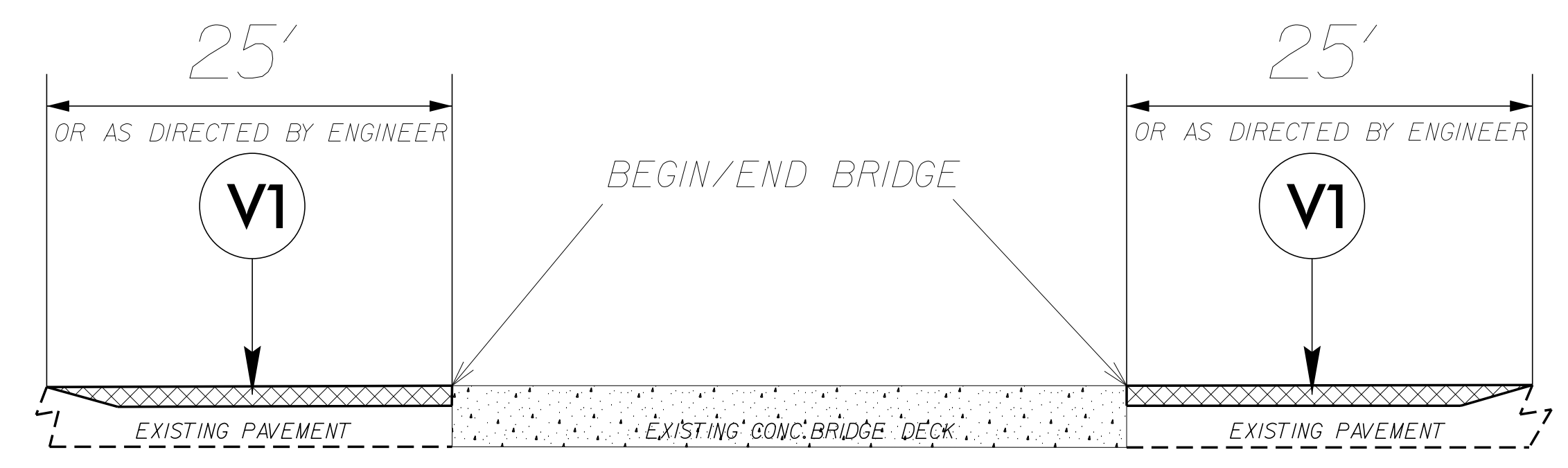
USE TYPICAL SECTION #3 (NTS)  
 NC II (MEMORIAL DRIVE) FROM 765' SOUTH OF  
 SR 1598 (DICKINSON AVE) TO END CONST. TIP U-3315  
 -Y1- STA.26+26.00; BEGIN CONST. TIP U-3315  
 -Y1- STA.10+62.50 TO PITT BRIDGE  
 # 38 AND # 39 AT THE TAR RIVER

NOTE:  
 1. MILL FULL WIDTH OF EXISTING ASPHALT PAVEMENT, AS DIRECTED BY THE ENGINEER.  
 2. PLACE ASPHALT SURFACE COURSE AT FULL WIDTH OF EXISTING PAVEMENT, AS DIRECTED BY THE ENGINEER



MILLING DETAIL 1  
 BEGIN/END MAP TIE INS

NOTE:  
 MILLING SHALL BE PERFORMED AT MAIN LINE TIE INS AND Y-LINE TIE INS  
 AS DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH THIS DETAIL  
 \* FOR TIP U-5606 TIE INS SEE PSH II



MILLING DETAIL 2  
 BRIDGE DECK


NOTE:  
 MILLING SHALL BE PERFORMED AT THE BRIDGE APPROACHES  
 AS DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH THIS DETAIL

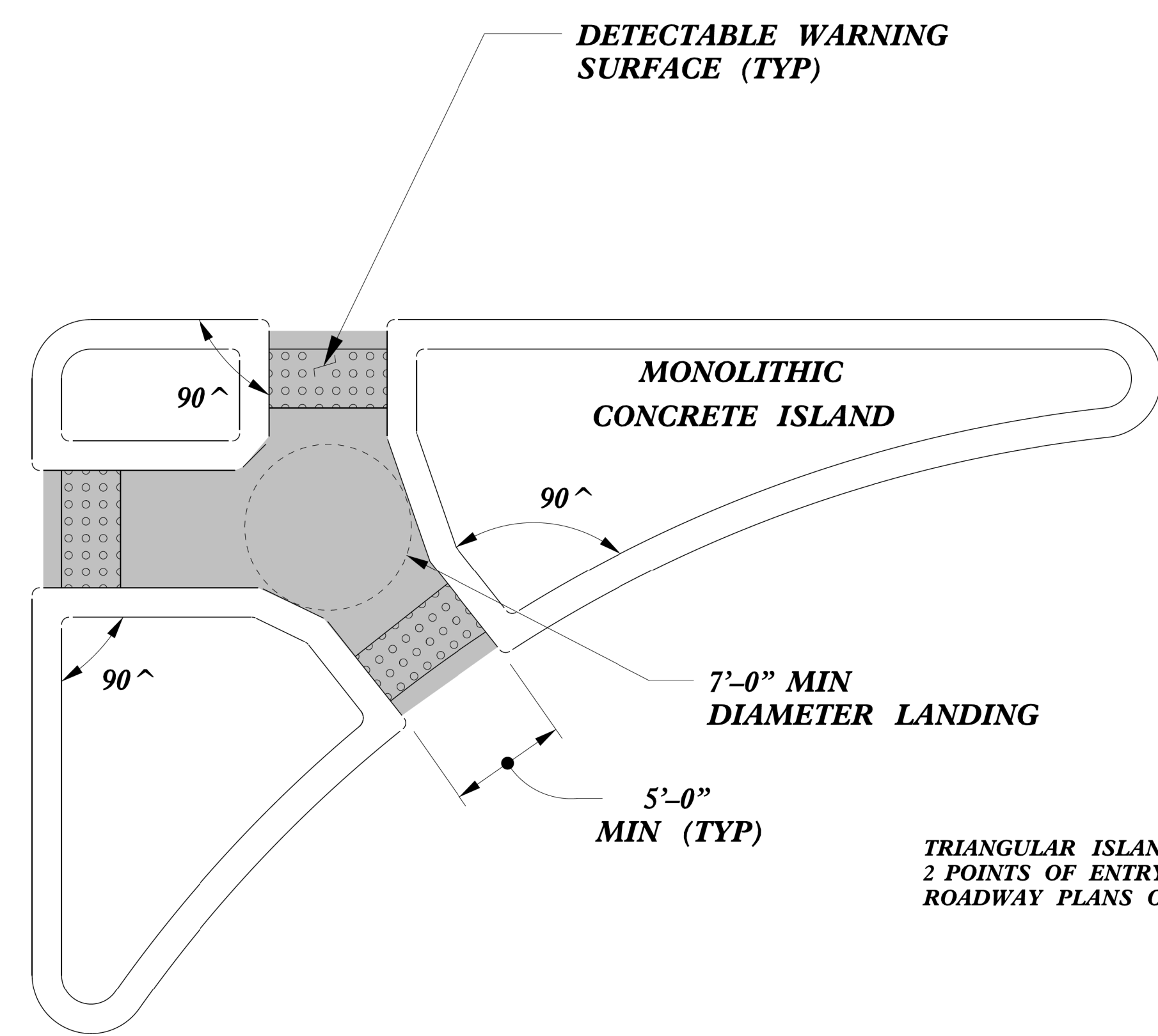
**\*NOT TO SCALE\***

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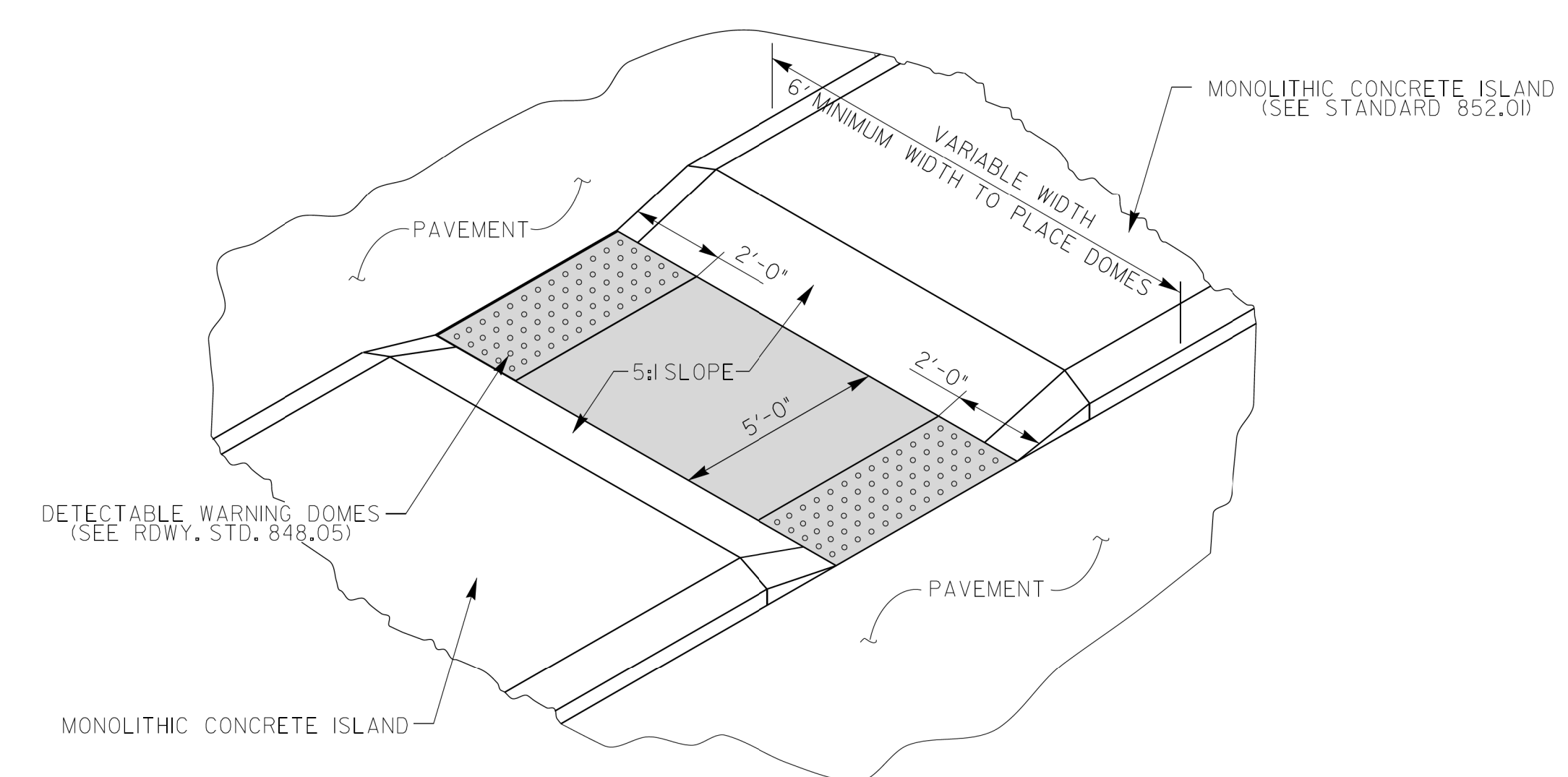



**PAY LIMITS FOR 2 OR 3 CURB RAMPS**  
 (CALCULATE BASED ON NUMBER OF  
 SETS OF TRUNCATED DOMES)

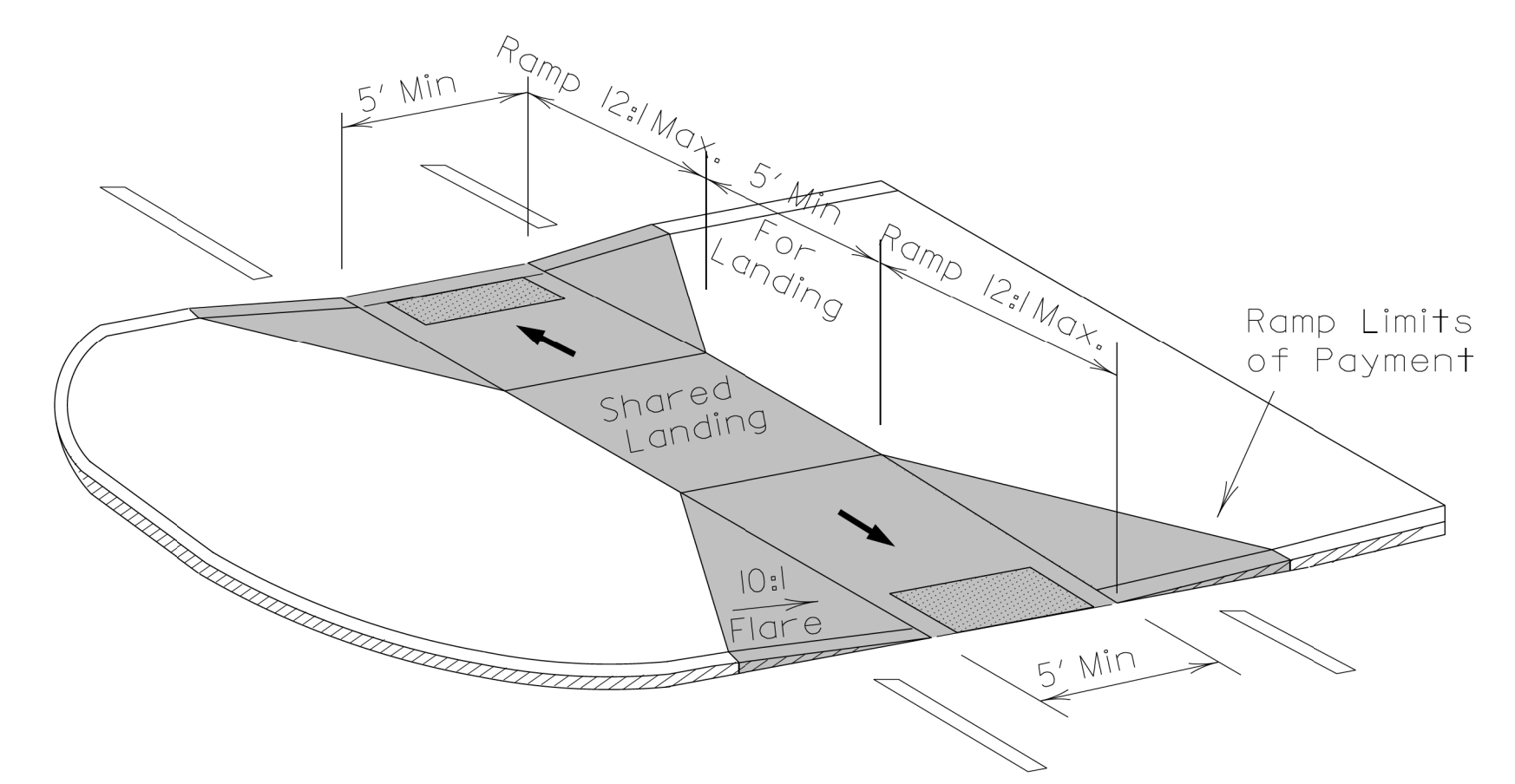


**TRIANGULAR ISLANDS MAY BE CONSTRUCTED WITH ONLY  
 2 POINTS OF ENTRY AND EXIT AS SHOWN IN THE  
 ROADWAY PLANS OR AS DIRECTED BY THE ENGINEER.**

**TRIANGULAR ISLAND  
WITH CUT THROUGH**



**MEDIAN ISLAND  
WITH CUT THROUGH**



**MEDIAN ISLAND  
CURB RAMPS**

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

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

**CURB RAMPS**

Median or Turn Lane Islands

ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11  
 MODIFIED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 FILE SPEC: stds/2012CurbRamp/CurbRampDetails.dgn



REVISIONS

8/17/99

26 JAN 2015 10:54 AM  
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 919-250-4119

\*\*\*\*\*SYTIME\*\*\*\*\*  
 \*\*\*\*\*DOWNS\*\*\*\*\*  
 \*\*\*\*\*PANELS\*\*\*\*\*

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
520	100	TON	AGGREGATE BASE COURSE
607	60,000	SY	MILLING ASPHALT PAVEMENT, 1.5" DEPTH
610	5,040	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
620	305	TON	ASPHALT BINDER PLANT MIX
SP	360	CY	TOPSOIL
846	1,490	LF	1'-6" CONCRETE CURB & GUTTER
846	67	LF	2'-6" CONCRETE CURB & GUTTER
848	6	EA	CONCRETE CURB RAMP
848	32	SY	6" CONCRETE DRIVEWAY
852	745	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
858	7	EA	ADJUSTMENT OF MANHOLES
858	12	EA	ADJUSTMENT OF METER BOXES OR VALUE BOXES
SP	504	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
SP	1	LS	TEMPORARY TRAFFIC CONTROL
1190	80	HR	LAW ENFORCEMENT
1205	900	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90MILS)
1205	22,246	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90MILS)
1205	2,094	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90MILS)
1205	1,286	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90MILS)
1205	264	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 90MILS)
1205	851	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90MILS)
1205	20	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90MILS)
1205	88	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90MILS)
1253	481	EA	SNOWPLOWABLE PAVEMENT MARKERS
1266	75	EA	TUBULAR MARKERS (FIXED)
SP	2	EA	CONCRETE WASHOUT STRUCTURE
1605	75	LF	TEMPORARY SILT FENCE
1660	0.5	AC	SEEDING AND MULCHING
SP	2	EA	RESPONSE FOR EROSION CONTROL




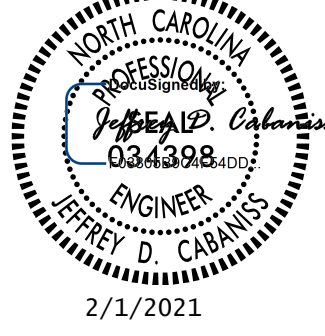
**SUMMARY OF EARTHWORK  
IN CUBIC YARDS**

LOCATION	UNCLASSIFIED EXCAVATION	BOX CULVERT EXCAVATION	UNDERCUT	EMBT + % (TOPSOIL)	BORROW	WASTE
-L- 22 + 67.21 - 25 + 04.95	121	0	0	112	0	121
-L- 25 + 14.09 - 25 + 70.02	6	0	0	0	0	6
-L- 27 + 69.58 - 30 + 00.90	125	0	0	114	0	125
-L- 52 + 32.01 - 55 + 04.11	146	0	0	129	0	146
SUB TOTAL	398	0	0	355	0	398
SAY	400	0	0	360	0	400

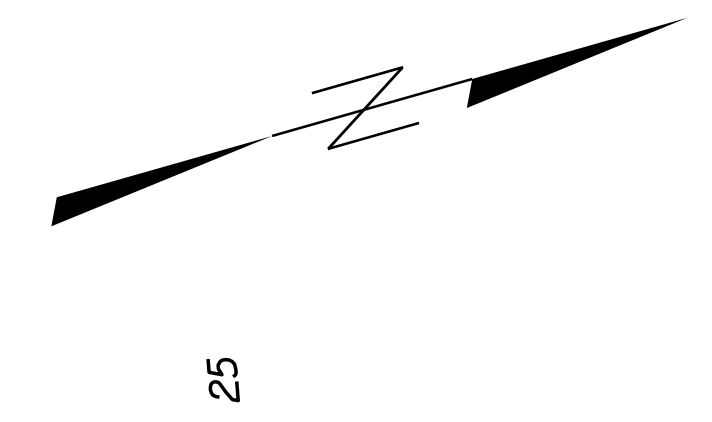
**PAVEMENT REMOVAL SUMMARY  
IN SQUARE YARDS**

LINE	STATION - STATION	LOCATION	REMOVAL (SY)
-L-	22 + 67.21 - 25 + 04.95	CL	359.01
-L-	27 + 69.58 - 30 + 00.90	CL	370.25
-L-	52 + 32.01 - 55 + 04.11	CL	438.66
TOTAL			1167.92
SAY			1170

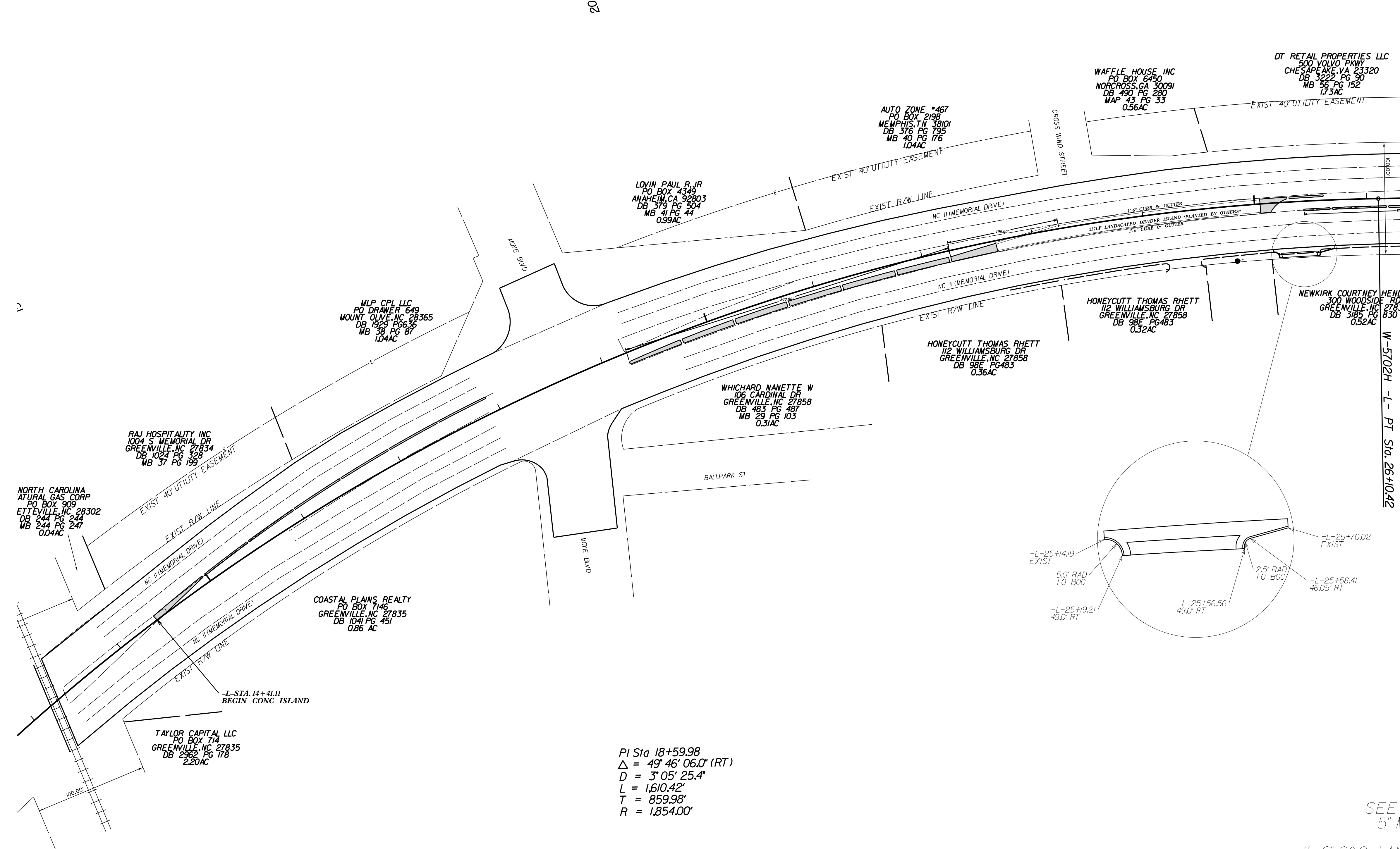
NOTE:  
APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, BORROW EXCAVATION, FINE GRADING, CLEARING AND GRUBBING AND REMOVAL OF EXISTING PAVEMENT WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR "GRADING."

PROJECT REFERENCE NO. W-5702H	SHEET NO. 4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER 	HYDRAULICS ENGINEER 
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

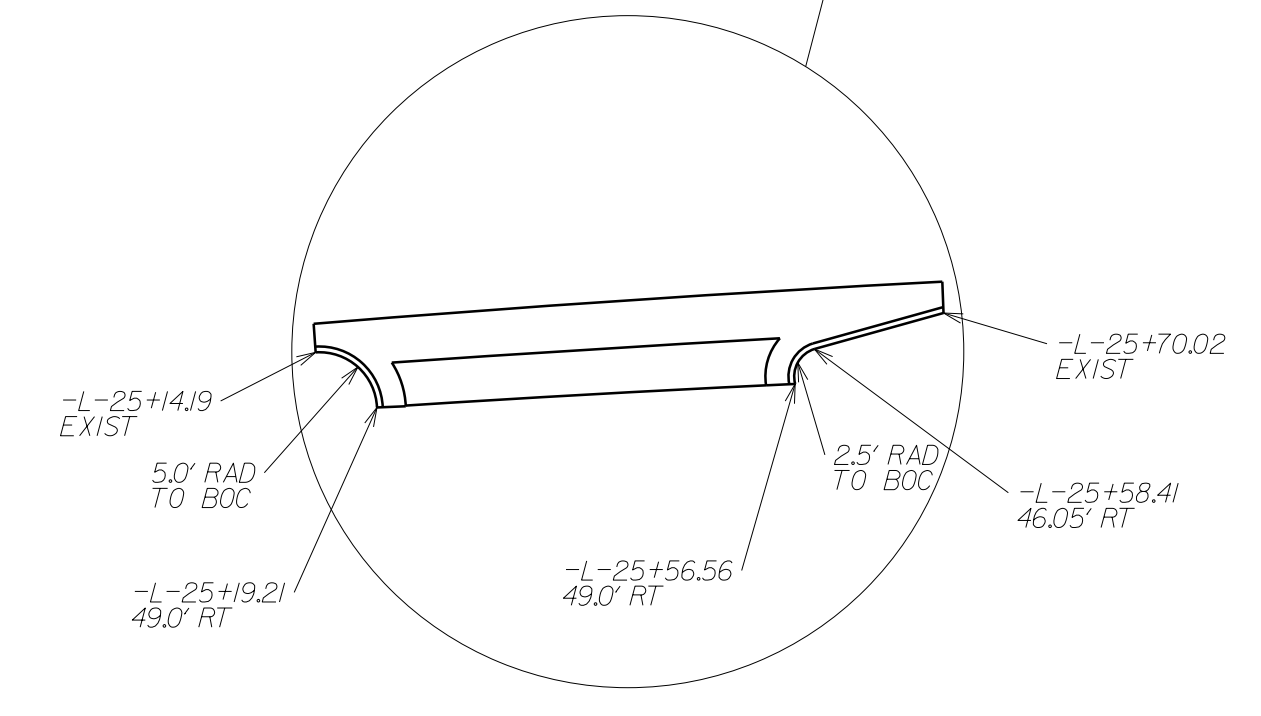
TEMPORARY SILT FENCE INSTALLATION  
WILL BE AS DIRECTED BY THE ENGINEER



REVISIONS



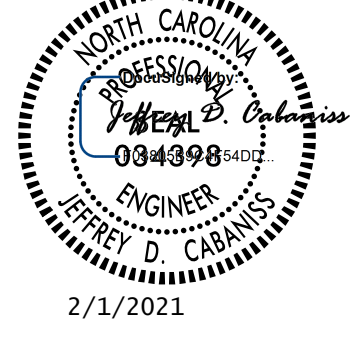
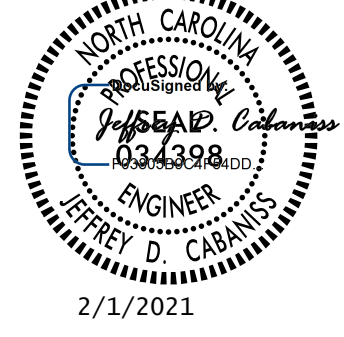
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SEE SHEET 5



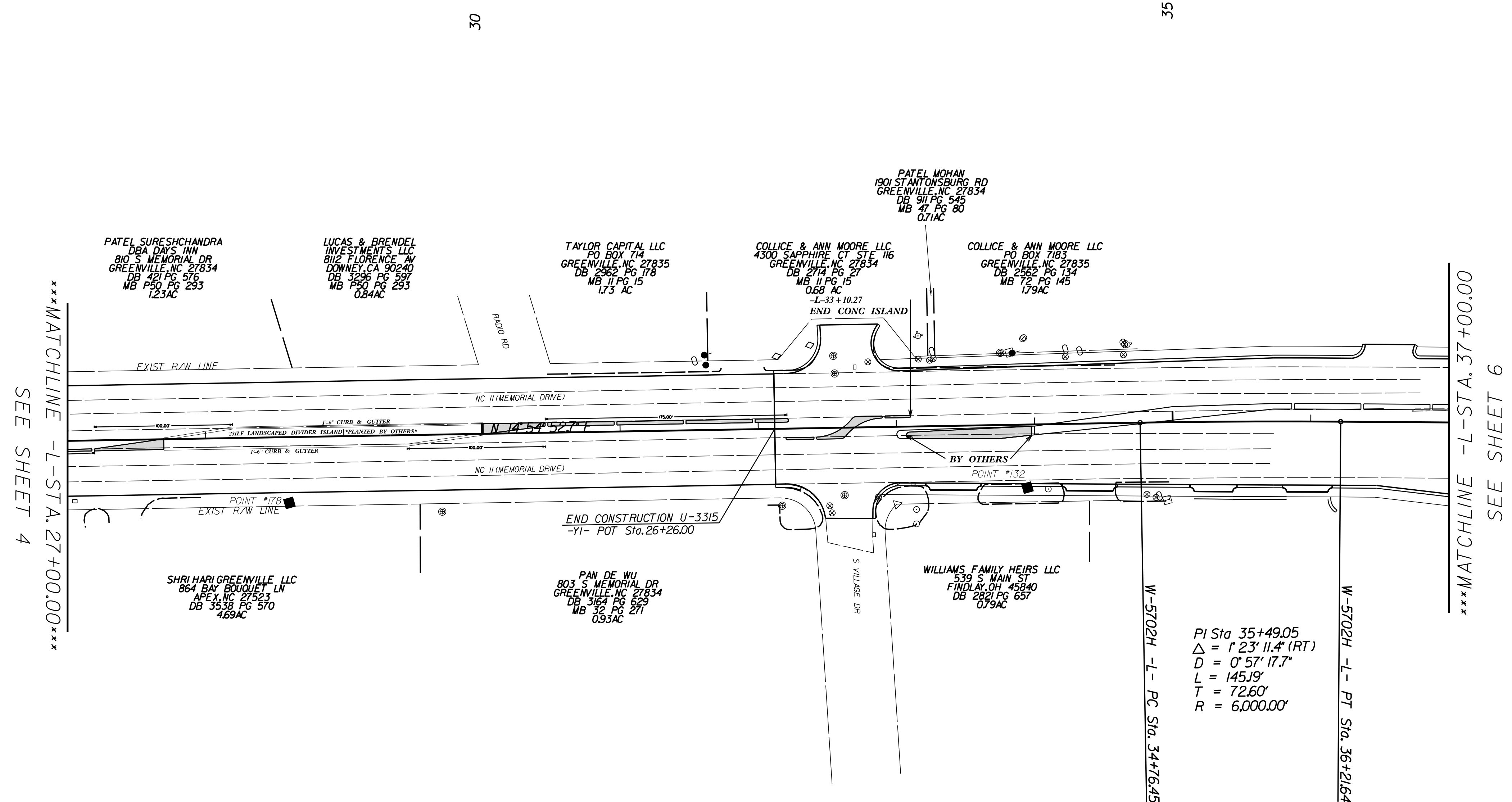
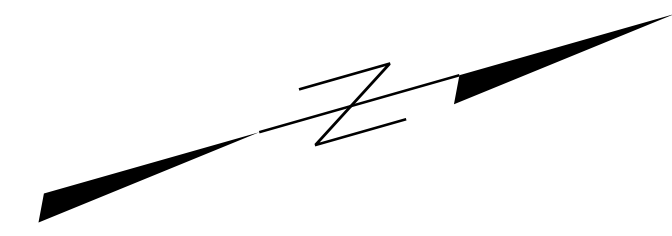
PI Sta 18+59.98  
 $\Delta = 49^{\circ} 46' 06.0''$  (RT)  
 $D = 3^{\circ} 05' 25.4''$   
 $L = 1,610.42'$   
 $T = 859.98'$   
 $R = 1,854.00'$

SEE SHEETS 8-10 FOR  
5" MONOLITHIC ISLAND  
&  
1'-6" C&G LANDSCAPED DIVIDER ISLAND  
LAYOUTS

8/17/99  
 26 JAN 2021 09:46  
 9:34 \$FILED:DWG:W-5702H\W-5702H\W5702H\_PS# 4.dgn  
 9:34 \$FILED:DWG:W-5702H\W-5702H\W5702H\_PS# 4.dgn

PROJECT REFERENCE NO. W-5702H	SHEET NO. 5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER 	HYDRAULICS ENGINEER 
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	

TEMPORARY SILT FENCE INSTALLATION  
WILL BE AS DIRECTED BY THE ENGINEER



\*\*\*MATCHLINE -L- STA. 27+00.00\*\*\*  
SEE SHEET 4

\*\*\*MATCHLINE -L- STA. 37+00.00  
SEE SHEET 6


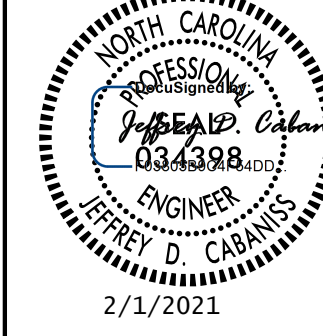
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 $R = 6,000.00'$

SEE SHEETS 8-10 FOR  
5" MONOLITHIC ISLAND  
&  
1'-6" C&G LANDSCAPED DIVIDER ISLAND  
LAYOUTS

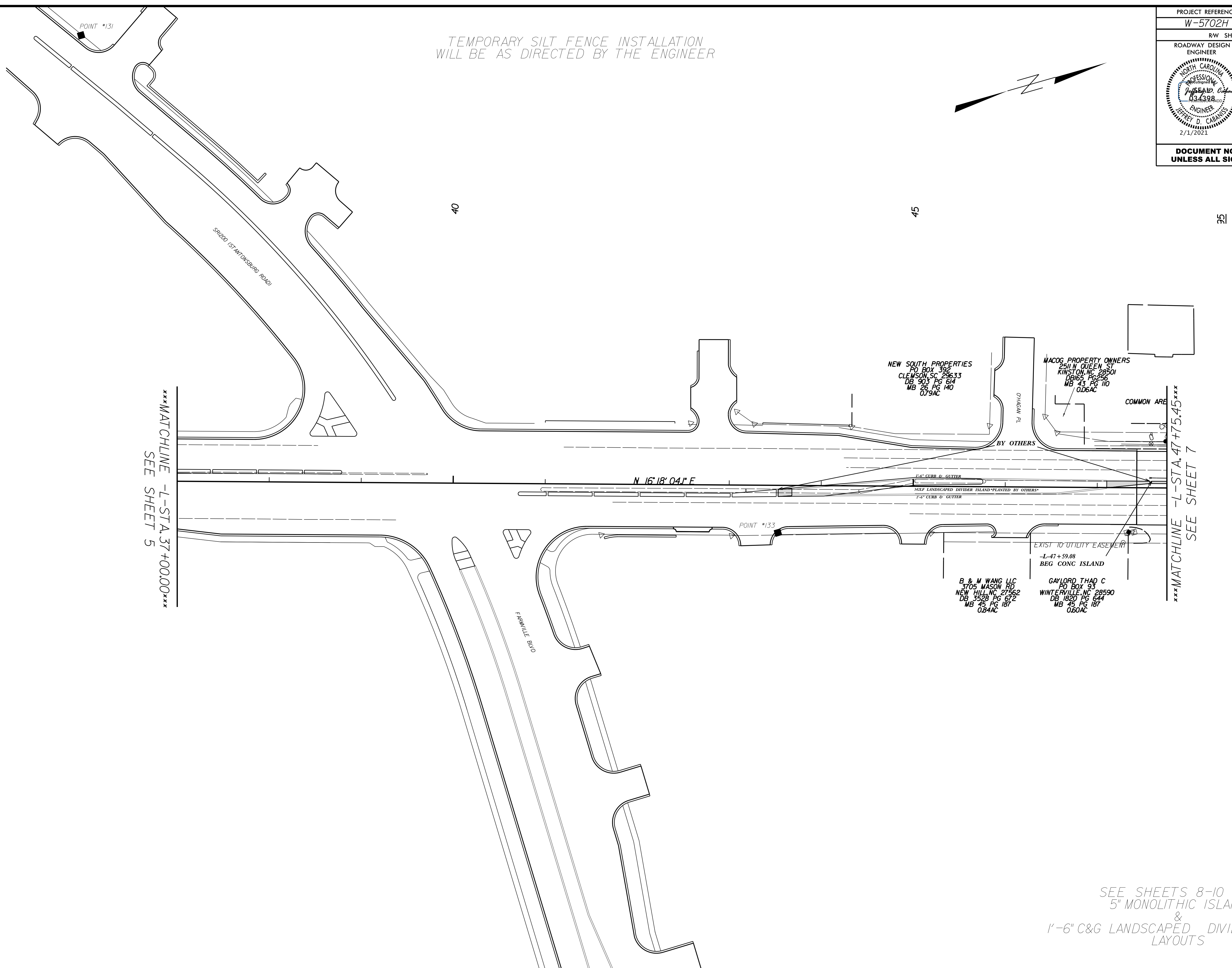
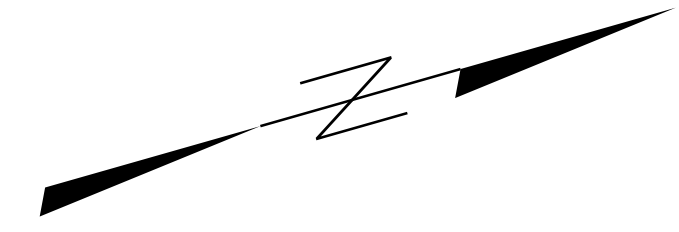
REVISIONS

8/17/99  
26 JAN 2021 10:46 AM T:\V-5702H\W-5702H\LAYOUTS\FIN\W-5702H-5.dgn  
\$\$\$\$\$USERNAME\$\$\$\$\$



PROJECT REFERENCE NO. W-5702H	SHEET NO. 6
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER 	HYDRAULICS ENGINEER 
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	

TEMPORARY SILT FENCE INSTALLATION  
WILL BE AS DIRECTED BY THE ENGINEER



\*\*\*MATCHLINE -L- STA. 37+00.00\*\*\*  
SEE SHEET 5

\*\*\*MATCHLINE -L- STA. 47+75.45\*\*\*  
SEE SHEET 7

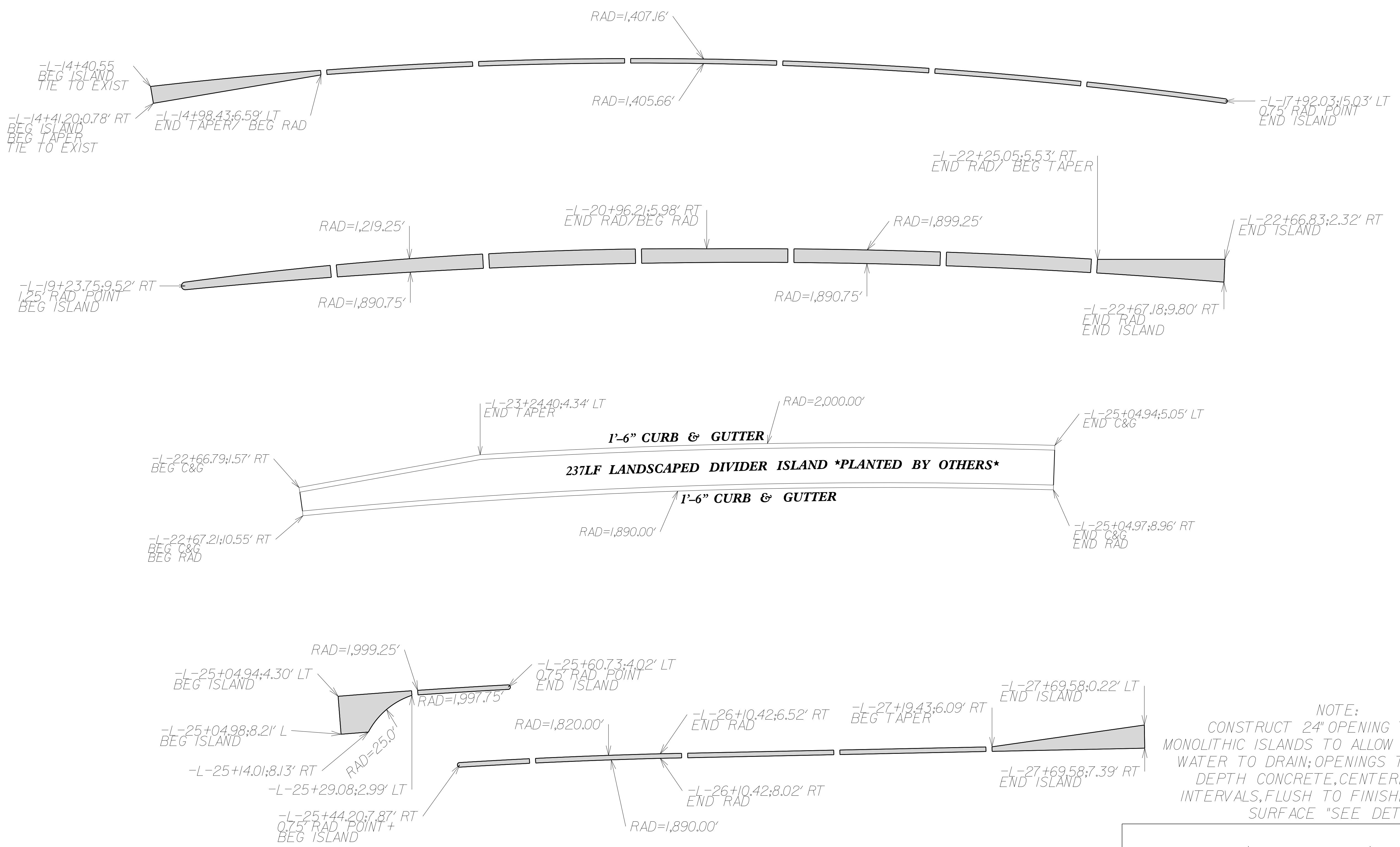
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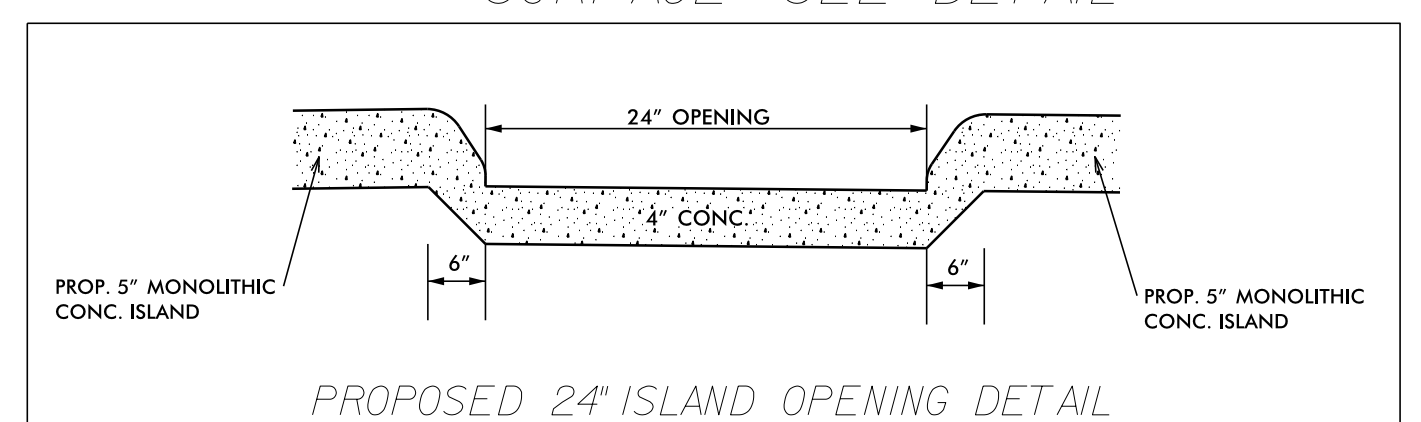
SEE SHEETS 8-10 FOR  
5" MONOLITHIC ISLAND  
&  
1'-6" C&G LANDSCAPED DIVIDER ISLAND  
LAYOUTS



# 5" MONOLITHIC CONCRETE ISLAND LAYOUT 1'-6" CURB & GUTTER LANDSCAPED DIVIDER ISLAND LAYOUT DETAIL



NOTE:  
CONSTRUCT 24" OPENING THROUGH MONOLITHIC ISLANDS TO ALLOW FOR SURFACE WATER TO DRAIN; OPENINGS TO BE MIN. 4" DEPTH CONCRETE, CENTERED ON 50' INTERVALS, FLUSH TO FINISHED ASPHALT SURFACE "SEE DETAIL"



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

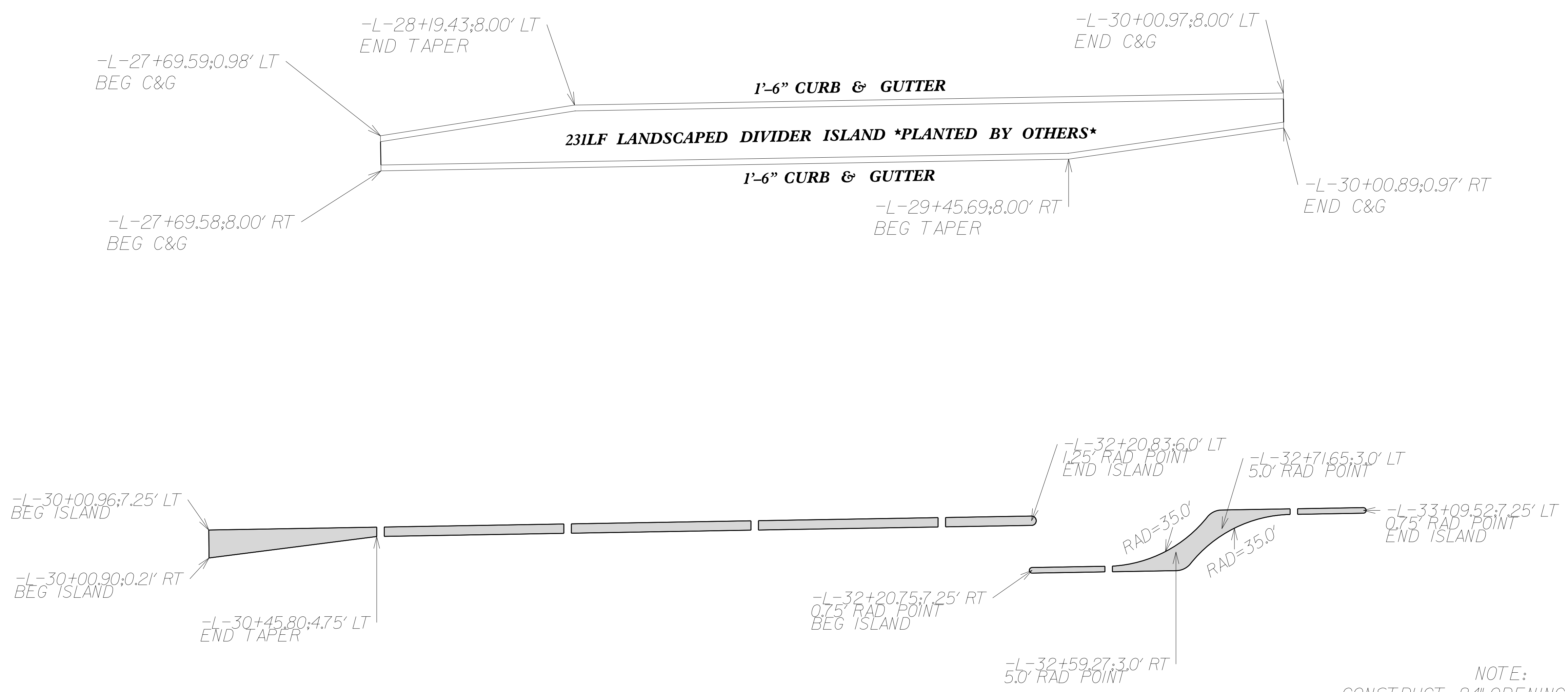
REVISIONS

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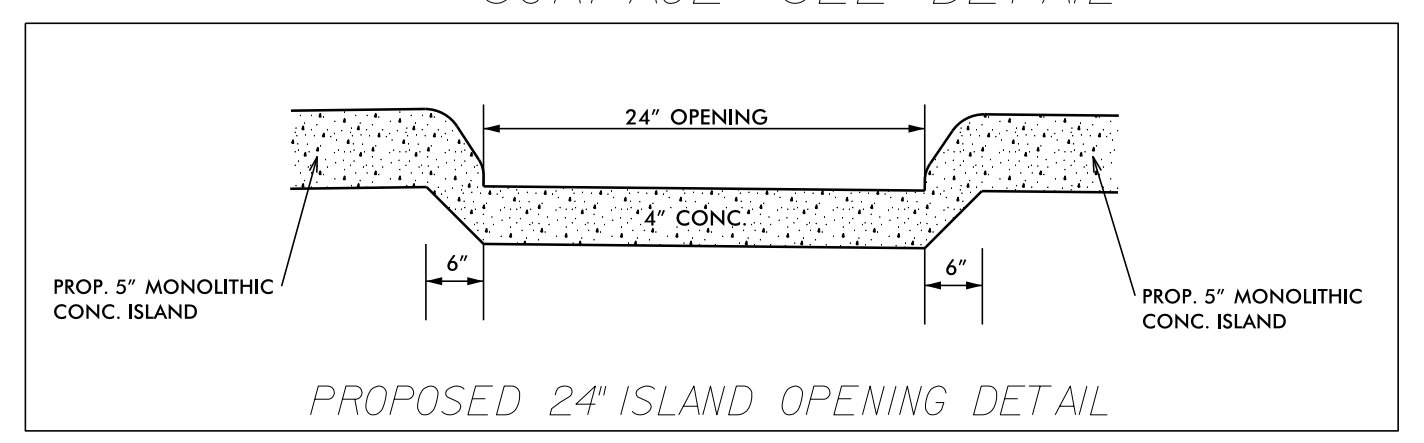


# 5" MONOLITHIC CONCRETE ISLAND LAYOUT 1'-6" CURB & GUTTER LANDSCAPED DIVIDER ISLAND LAYOUT DETAIL

REVISIONS



NOTE:  
CONSTRUCT 24" OPENING THROUGH  
MONOLITHIC ISLANDS TO ALLOW FOR SURFACE  
WATER TO DRAIN; OPENINGS TO BE MIN. 4"  
DEPTH CONCRETE, CENTERED ON 50'  
INTERVALS, FLUSH TO FINISHED ASPHALT  
SURFACE "SEE DETAIL"

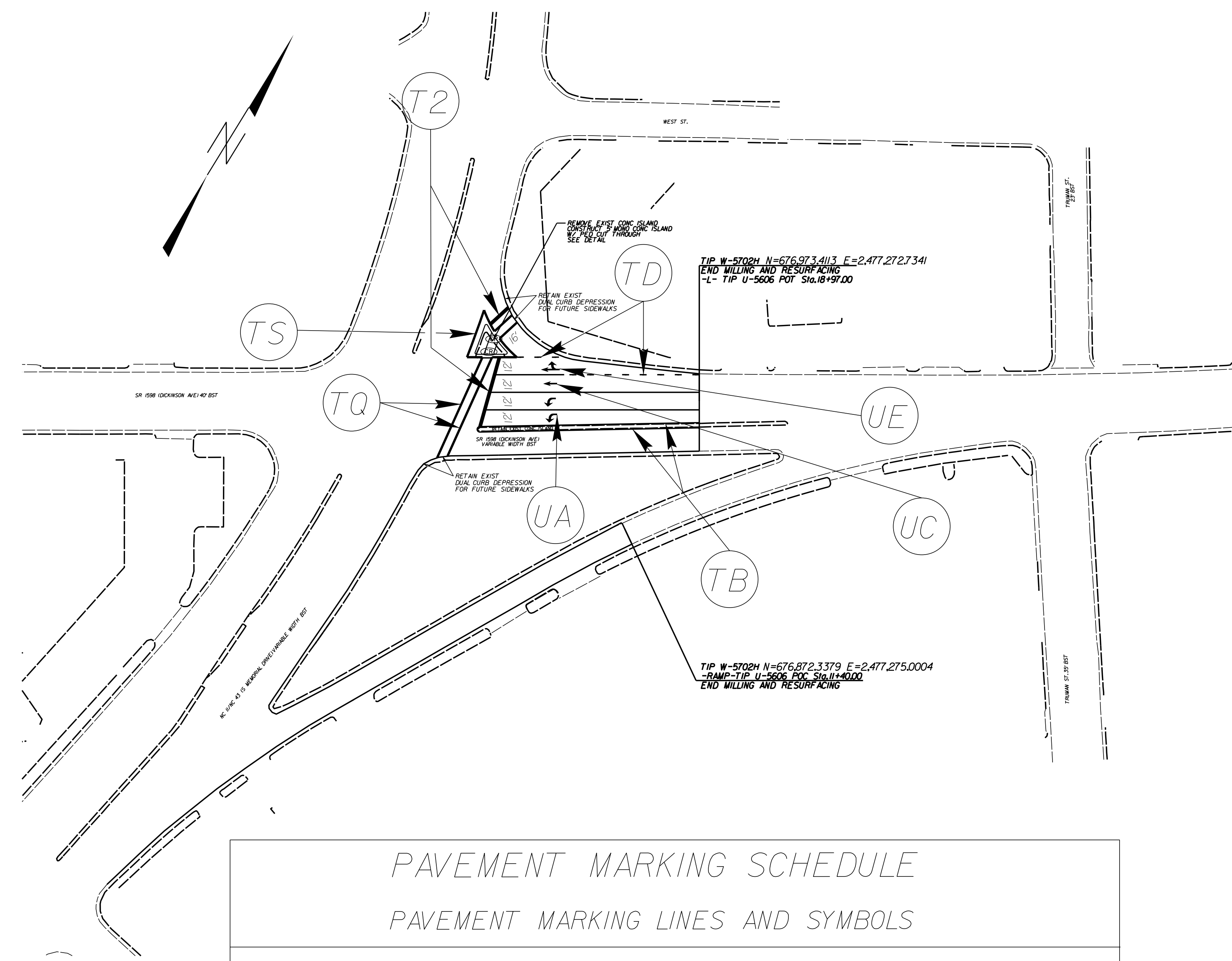


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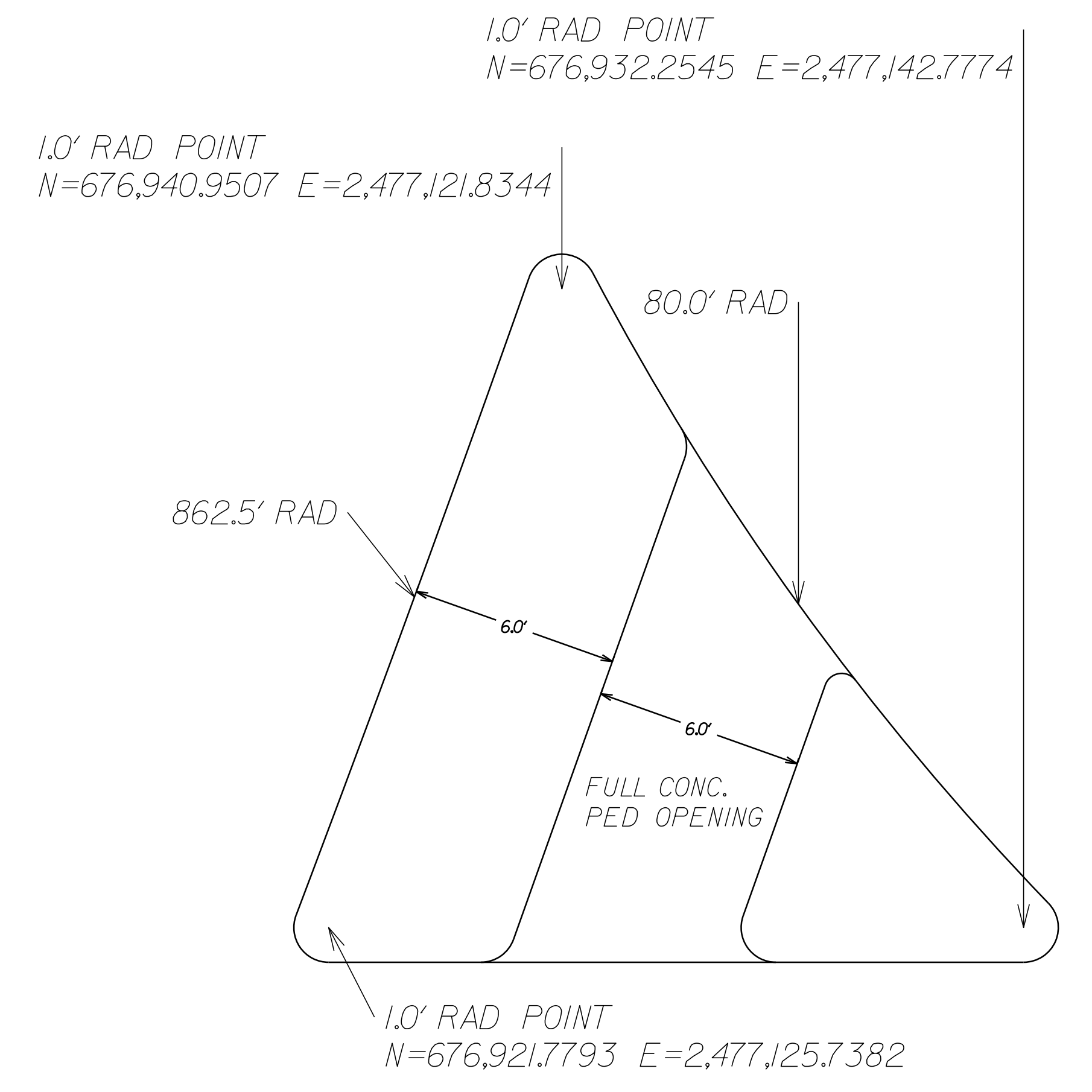
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26 JAN 2005 10:48 AM  
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# END LIMITS OF MILL & FILL; PAVEMENT MARKINGS TIE IN ALONG TIP U-5606 (DICKINSON AVE) EAST OF MEMORIAL DR



## ISLAND LAYOUT DETAIL



\*\*\*DETAIL NOT TO SCALE\*\*\*

### PAVEMENT MARKING SCHEDULE PAVEMENT MARKING LINES AND SYMBOLS

TB	- THERMOPLASTIC PAVEMENT MARKING	( 4" YELLOW, 90MILS ) SOLID EDGE LINE
TD	- THERMOPLASTIC PAVEMENT MARKING	( 4" WHITE, 90MILS ) 3'-9"/SP MINISKIP LINE
TL	- THERMOPLASTIC PAVEMENT MARKING	( 4" WHITE, 90MILS ) SOLID LANE LINE
TQ	- THERMOPLASTIC PAVEMENT MARKING	( 8" WHITE, 90MILS ) CROSSWALK LINE
TS	- THERMOPLASTIC PAVEMENT MARKING	( 8" WHITE, 90MILS ) SOLID GORE LINE
T2	- THERMOPLASTIC PAVEMENT MARKING	( 24" WHITE, 90MILS ) STOP BAR
UA	- THERMOPLASTIC PAVEMENT SYMBOL	( WHITE, 90MILS ) LEFT ARROW
UC	- THERMOPLASTIC PAVEMENT SYMBOL	( WHITE, 90MILS ) STRAIGHT ARROW
UE	- THERMOPLASTIC PAVEMENT SYMBOL	( WHITE, 90MILS ) COMBO. RIGHT/STRAIGHT ARROW

REVISIONS

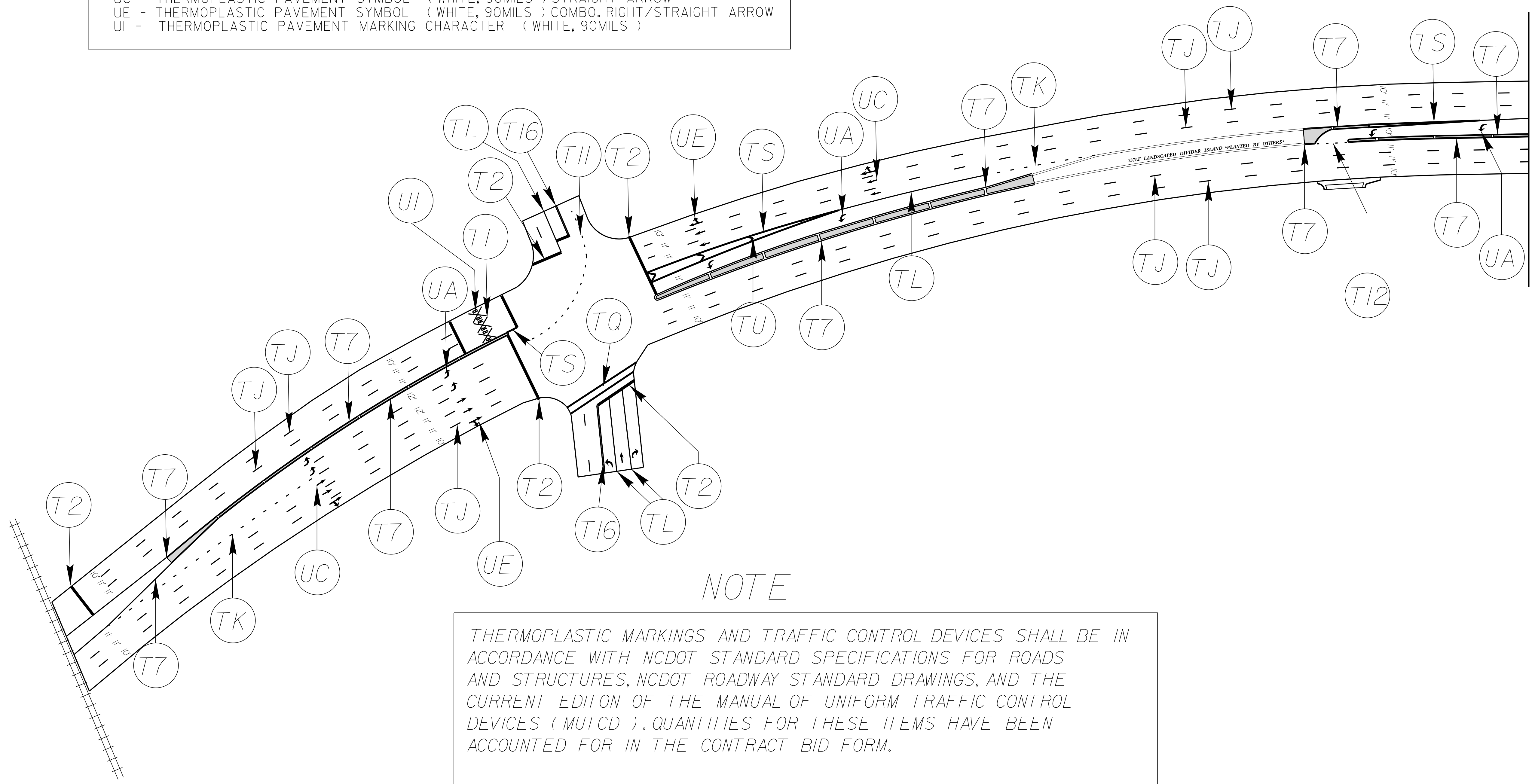
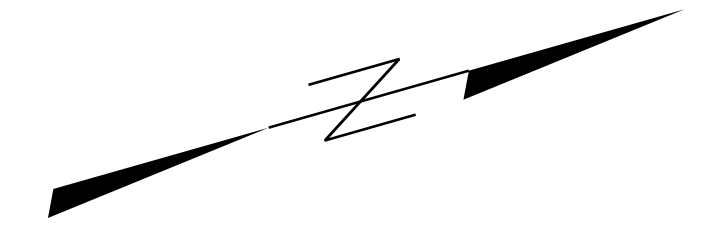
8/17/99

26 JAN 2005 10:48 AM T:\V-5702H\W-5702H\W5702H\_PS# 11.dgn



*PAVEMENT MARKING SCHEDULE*  
*PAVEMENT MARKING LINES AND SYMBOLS*

TJ	- THERMOPLASTIC PAVEMENT MARKING	( 6" WHITE, 90MILS ) 10'-30'/SP SKIP LINE
TK	- THERMOPLASTIC PAVEMENT MARKING	( 6" WHITE, 90MILS ) 3'-9'/SP MINI SKIP LINE
TL	- THERMOPLASTIC PAVEMENT MARKING	( 6" WHITE, 90MILS ) SOLID LANE LINE
TQ	- THERMOPLASTIC PAVEMENT MARKING	( 8" WHITE, 90MILS ) CROSSWALK LINE
TS	- THERMOPLASTIC PAVEMENT MARKING	( 12" WHITE, 90MILS ) SOLID GORE LINE
TU	- THERMOPLASTIC PAVEMENT MARKING	( 12" WHITE, 90MILS ) DIAGONAL LINE
T1	- THERMOPLASTIC PAVEMENT MARKING	( 16" WHITE, 90MILS ) RR X
T2	- THERMOPLASTIC PAVEMENT MARKING	( 24" WHITE, 90MILS ) STOP BAR
T7	- THERMOPLASTIC PAVEMENT MARKING	( 6" YELLOW, 90MILS ) SOLID EDGE LINE
T11	- THERMOPLASTIC PAVEMENT MARKING	( 6" WHITE, 90MILS ) 2'-6'/SP MINI SKIP LINE
T12	- THERMOPLASTIC PAVEMENT MARKING	( 6" YELLOW, 90MILS ) 2'-6'/SP MINI SKIP LINE
T16	- THERMOPLASTIC PAVEMENT MARKING	( 6" YELLOW, 90MILS ) SOLID DOUBLE LINE
UA	- THERMOPLASTIC PAVEMENT SYMBOL	( WHITE, 90MILS ) LEFT ARROW
UB	- THERMOPLASTIC PAVEMENT SYMBOL	( WHITE, 90MILS ) RIGHT ARROW
UC	- THERMOPLASTIC PAVEMENT SYMBOL	( WHITE, 90MILS ) STRAIGHT ARROW
UE	- THERMOPLASTIC PAVEMENT SYMBOL	( WHITE, 90MILS ) COMBO. RIGHT/STRAIGHT ARROW
UI	- THERMOPLASTIC PAVEMENT MARKING	CHARACTER ( WHITE, 90MILS )



\*\*\*MATCHLINE - L-STA. 27+00.00\*\*\*  
SEE SHEET PMP2

*NOTE*

THERMOPLASTIC MARKINGS AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, NCDOT ROADWAY STANDARD DRAWINGS, AND THE CURRENT EDITON OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES ( MUTCD ). QUANTITIES FOR THESE ITEMS HAVE BEEN ACCOUNTED FOR IN THE CONTRACT BID FORM.

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

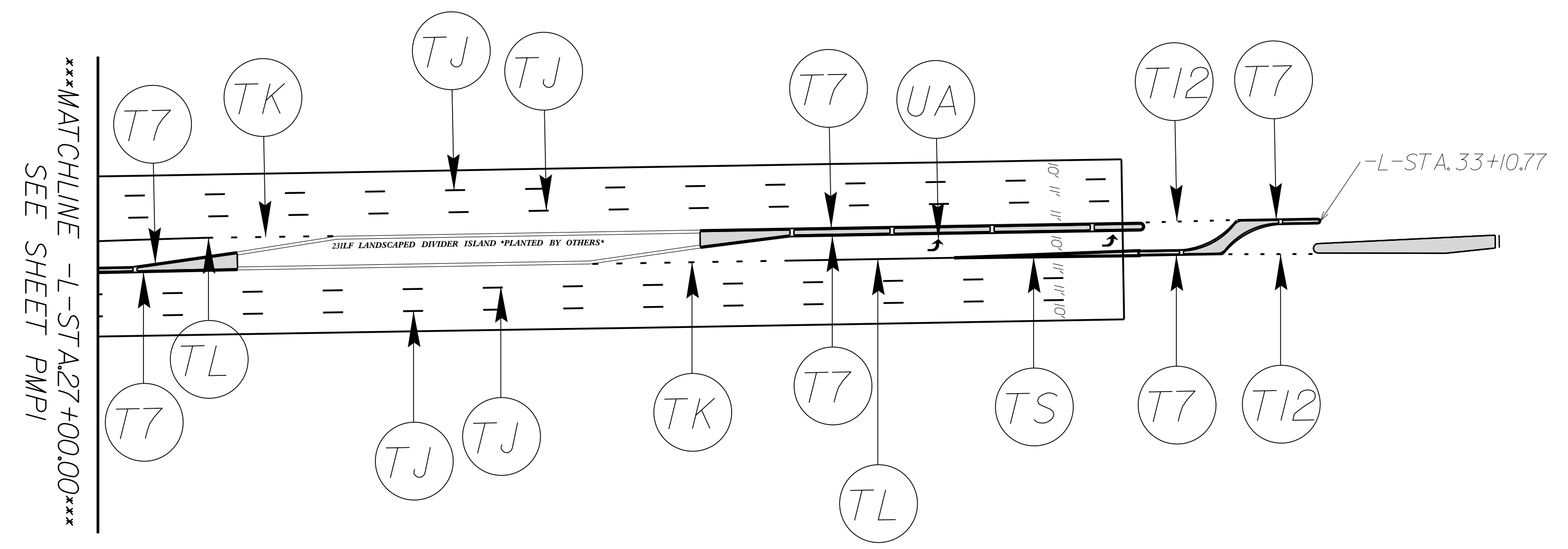
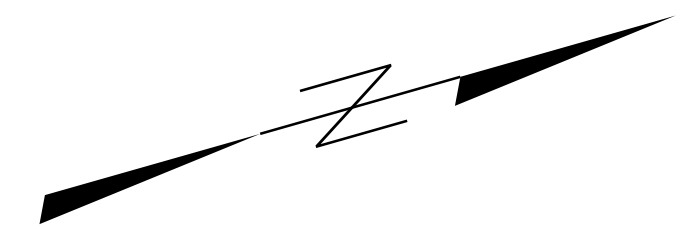
REVISIONS

8/17/99

26 JAN 2005 09:48  
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*PAVEMENT MARKING SCHEDULE*  
*PAVEMENT MARKING LINES AND SYMBOLS*

TJ	- THERMOPLASTIC PAVEMENT MARKING	( 6" WHITE, 90MILS ) 10'-30'/SP SKIP LINE
TK	- THERMOPLASTIC PAVEMENT MARKING	( 6" WHITE, 90MILS ) 3'-9'/SP MINI SKIP LINE
TL	- THERMOPLASTIC PAVEMENT MARKING	( 6" WHITE, 90MILS ) SOLID LANE LINE
TQ	- THERMOPLASTIC PAVEMENT MARKING	( 8" WHITE, 90MILS ) CROSSWALK LINE
TS	- THERMOPLASTIC PAVEMENT MARKING	( 12" WHITE, 90MILS ) SOLID GORE LINE
TU	- THERMOPLASTIC PAVEMENT MARKING	( 12" WHITE, 90MILS ) DIAGONAL LINE
T1	- THERMOPLASTIC PAVEMENT MARKING	( 16" WHITE, 90MILS ) RR X
T2	- THERMOPLASTIC PAVEMENT MARKING	( 24" WHITE, 90MILS ) STOP BAR
T7	- THERMOPLASTIC PAVEMENT MARKING	( 6" YELLOW, 90MILS ) SOLID EDGE LINE
T11	- THERMOPLASTIC PAVEMENT MARKING	( 6" WHITE, 90MILS ) 2'-6'/SP MINI SKIP LINE
T12	- THERMOPLASTIC PAVEMENT MARKING	( 6" YELLOW, 90MILS ) 2'-6'/SP MINI SKIP LINE
T16	- THERMOPLASTIC PAVEMENT MARKING	( 6" YELLOW, 90MILS ) SOLID DOUBLE LINE
UA	- THERMOPLASTIC PAVEMENT SYMBOL	( WHITE, 90MILS ) LEFT ARROW
UB	- THERMOPLASTIC PAVEMENT SYMBOL	( WHITE, 90MILS ) RIGHT ARROW
UC	- THERMOPLASTIC PAVEMENT SYMBOL	( WHITE, 90MILS ) STRAIGHT ARROW
UE	- THERMOPLASTIC PAVEMENT SYMBOL	( WHITE, 90MILS ) COMBO. RIGHT/STRAIGHT ARROW
UI	- THERMOPLASTIC PAVEMENT MARKING	CHARACTER ( WHITE, 90MILS )



*NOTE*

*THERMOPLASTIC MARKINGS AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, NCDOT ROADWAY STANDARD DRAWINGS, AND THE CURRENT EDITON OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES ( MUTCD ). QUANTITIES FOR THESE ITEMS HAVE BEEN ACCOUNTED FOR IN THE CONTRACT BID FORM.*

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

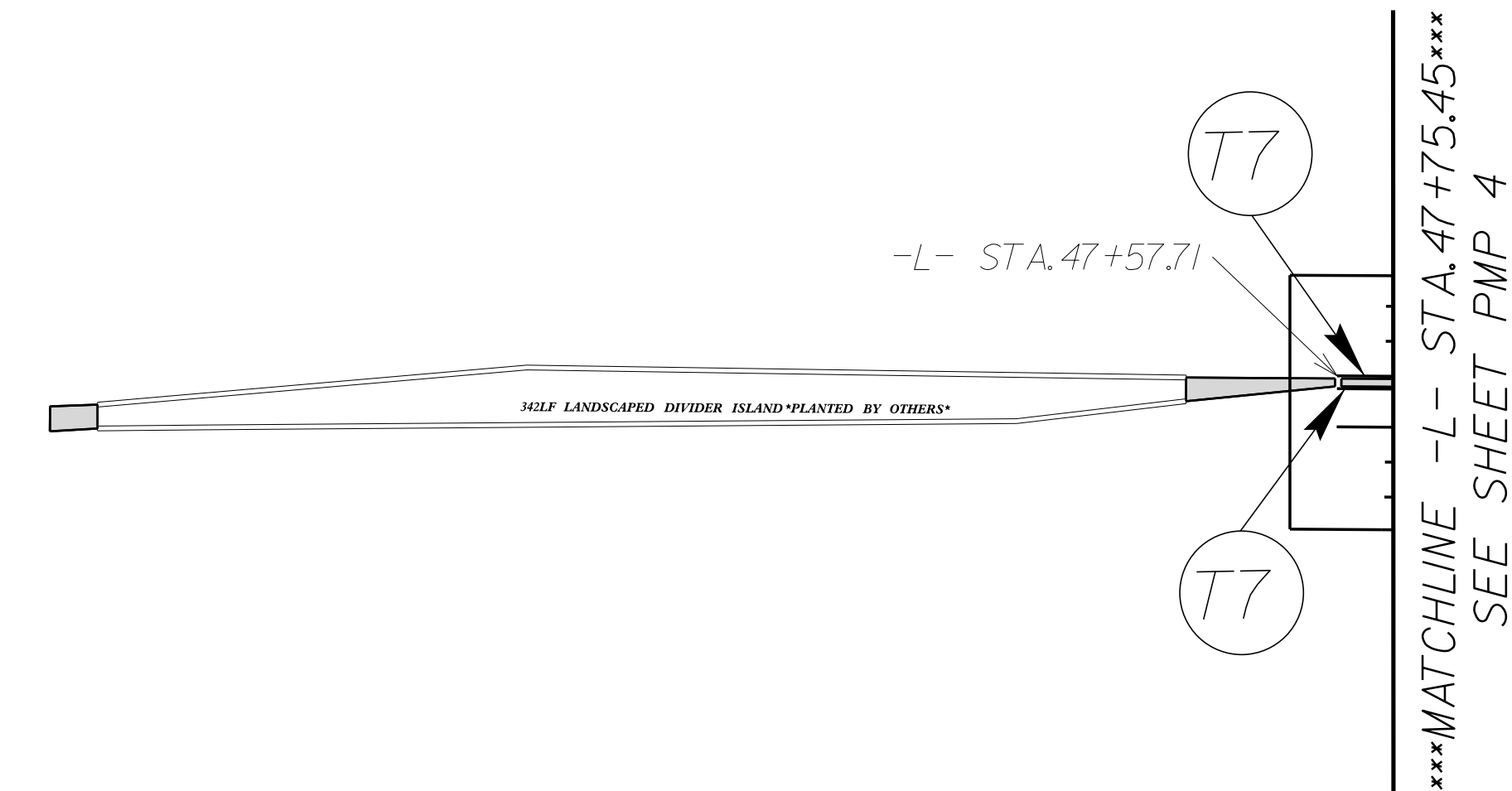
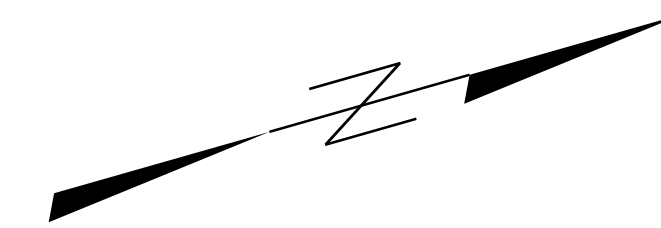
REVISIONS

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26 JAN 2005 09:14  
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*PAVEMENT MARKING SCHEDULE*  
*PAVEMENT MARKING LINES AND SYMBOLS*

TJ	- THERMOPLASTIC PAVEMENT MARKING	( 6" WHITE, 90MILS ) 10'-30'/SP SKIP LINE
TK	- THERMOPLASTIC PAVEMENT MARKING	( 6" WHITE, 90MILS ) 3'-9'/SP MINISKIP LINE
TL	- THERMOPLASTIC PAVEMENT MARKING	( 6" WHITE, 90MILS ) SOLID LANE LINE
TQ	- THERMOPLASTIC PAVEMENT MARKING	( 8" WHITE, 90MILS ) CROSSWALK LINE
TS	- THERMOPLASTIC PAVEMENT MARKING	( 12" WHITE, 90MILS ) SOLID GORE LINE
TU	- THERMOPLASTIC PAVEMENT MARKING	( 12" WHITE, 90MILS ) DIAGONAL LINE
TI	- THERMOPLASTIC PAVEMENT MARKING	( 16" WHITE, 90MILS ) RR X
T2	- THERMOPLASTIC PAVEMENT MARKING	( 24" WHITE, 90MILS ) STOP BAR
T7	- THERMOPLASTIC PAVEMENT MARKING	( 6" YELLOW, 90MILS ) SOLID EDGE LINE
T11	- THERMOPLASTIC PAVEMENT MARKING	( 6" WHITE, 90MILS ) 2'-6'/SP MINISKIP LINE
T12	- THERMOPLASTIC PAVEMENT MARKING	( 6" YELLOW, 90MILS ) 2'-6'/SP MINISKIP LINE
T16	- THERMOPLASTIC PAVEMENT MARKING	( 6" YELLOW, 90MILS ) SOLID DOUBLE LINE
UA	- THERMOPLASTIC PAVEMENT SYMBOL	( WHITE, 90MILS ) LEFT ARROW
UB	- THERMOPLASTIC PAVEMENT SYMBOL	( WHITE, 90MILS ) RIGHT ARROW
UC	- THERMOPLASTIC PAVEMENT SYMBOL	( WHITE, 90MILS ) STRAIGHT ARROW
UE	- THERMOPLASTIC PAVEMENT SYMBOL	( WHITE, 90MILS ) COMBO. RIGHT/STRAIGHT ARROW
UI	- THERMOPLASTIC PAVEMENT MARKING	CHARACTER ( WHITE, 90MILS )



*NOTE*

*THERMOPLASTIC MARKINGS AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, NCDOT ROADWAY STANDARD DRAWINGS, AND THE CURRENT EDITON OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES ( MUTCD ). QUANTITIES FOR THESE ITEMS HAVE BEEN ACCOUNTED FOR IN THE CONTRACT BID FORM.*

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

REVISIONS

8/17/99

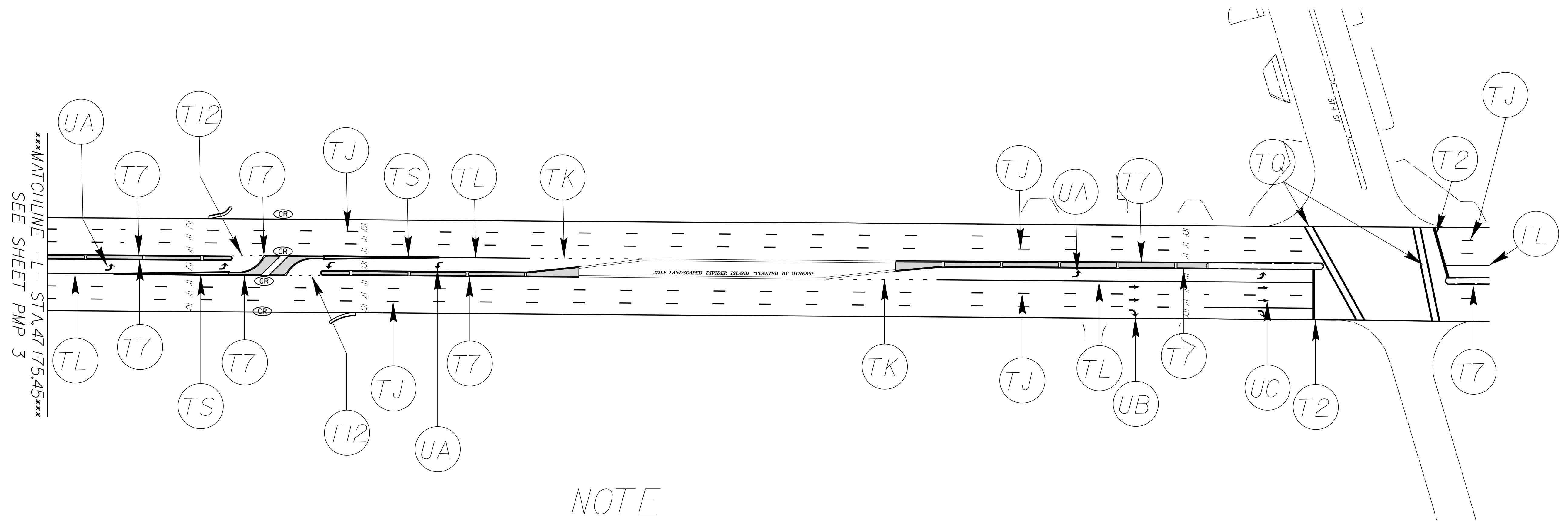
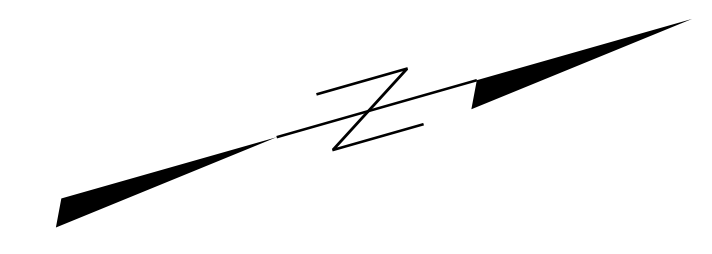
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## PAVEMENT MARKING SCHEDULE

### PAVEMENT MARKING LINES AND SYMBOLS

TJ	- THERMOPLASTIC PAVEMENT MARKING	( 6" WHITE, 90MILS ) 10'-30'/SP SKIP LINE
TK	- THERMOPLASTIC PAVEMENT MARKING	( 6" WHITE, 90MILS ) 3'-9'/SP MINISKIP LINE
TL	- THERMOPLASTIC PAVEMENT MARKING	( 6" WHITE, 90MILS ) SOLID LANE LINE
TQ	- THERMOPLASTIC PAVEMENT MARKING	( 8" WHITE, 90MILS ) CROSSWALK LINE
TS	- THERMOPLASTIC PAVEMENT MARKING	( 12" WHITE, 90MILS ) SOLID GORE LINE
TU	- THERMOPLASTIC PAVEMENT MARKING	( 12" WHITE, 90MILS ) DIAGONAL LINE
TI	- THERMOPLASTIC PAVEMENT MARKING	( 16" WHITE, 90MILS ) RR X
T2	- THERMOPLASTIC PAVEMENT MARKING	( 24" WHITE, 90MILS ) STOP BAR
T7	- THERMOPLASTIC PAVEMENT MARKING	( 6" YELLOW, 90MILS ) SOLID EDGE LINE
T11	- THERMOPLASTIC PAVEMENT MARKING	( 6" WHITE, 90MILS ) 2'-6'/SP MINISKIP LINE
T12	- THERMOPLASTIC PAVEMENT MARKING	( 6" YELLOW, 90MILS ) 2'-6'/SP MINISKIP LINE
T16	- THERMOPLASTIC PAVEMENT MARKING	( 6" YELLOW, 90MILS ) SOLID DOUBLE LINE
UA	- THERMOPLASTIC PAVEMENT SYMBOL	( WHITE, 90MILS ) LEFT ARROW
UB	- THERMOPLASTIC PAVEMENT SYMBOL	( WHITE, 90MILS ) RIGHT ARROW
UC	- THERMOPLASTIC PAVEMENT SYMBOL	( WHITE, 90MILS ) STRAIGHT ARROW
UE	- THERMOPLASTIC PAVEMENT SYMBOL	( WHITE, 90MILS ) COMBO. RIGHT/STRAIGHT ARROW
UI	- THERMOPLASTIC PAVEMENT MARKING	CHARACTER ( WHITE, 90MILS )



### NOTE

THERMOPLASTIC MARKINGS AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, NCDOT ROADWAY STANDARD DRAWINGS, AND THE CURRENT EDITON OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES ( MUTCD ). QUANTITIES FOR THESE ITEMS HAVE BEEN ACCOUNTED FOR IN THE CONTRACT BID FORM.

#### CURB RAMP LOCATIONS

- L-STA. 49+78.06 LT
- L-STA. 49+78.12 LT
- L-STA. 49+62.04 RT
- L-STA. 49+62.10 RT

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

REVISIONS

8/17/99

26 JAN 2015 10:48 AM T:\V-5702H\W-5702H\W5702H\_PMP\_PSH\_4.dgn

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

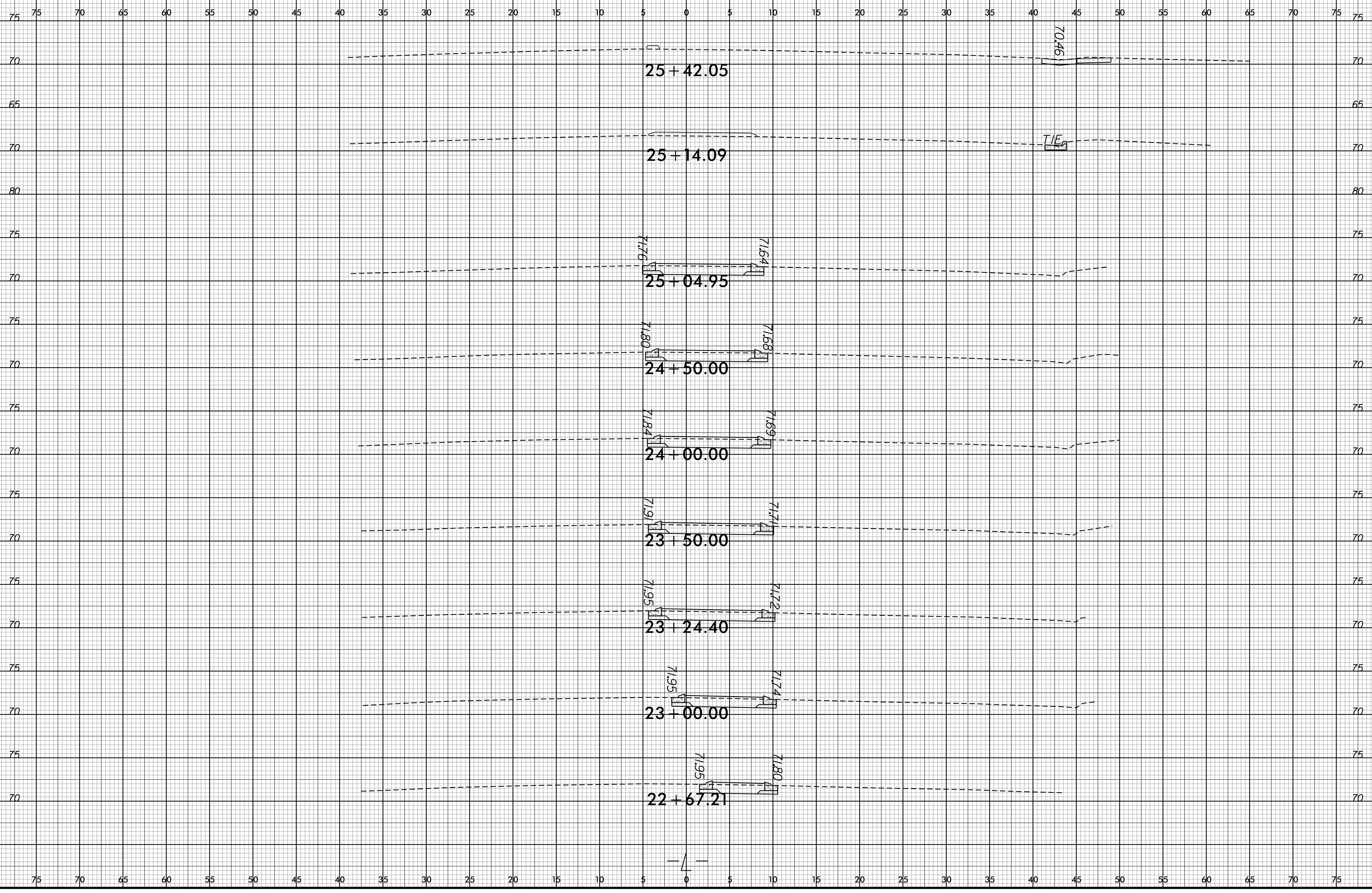
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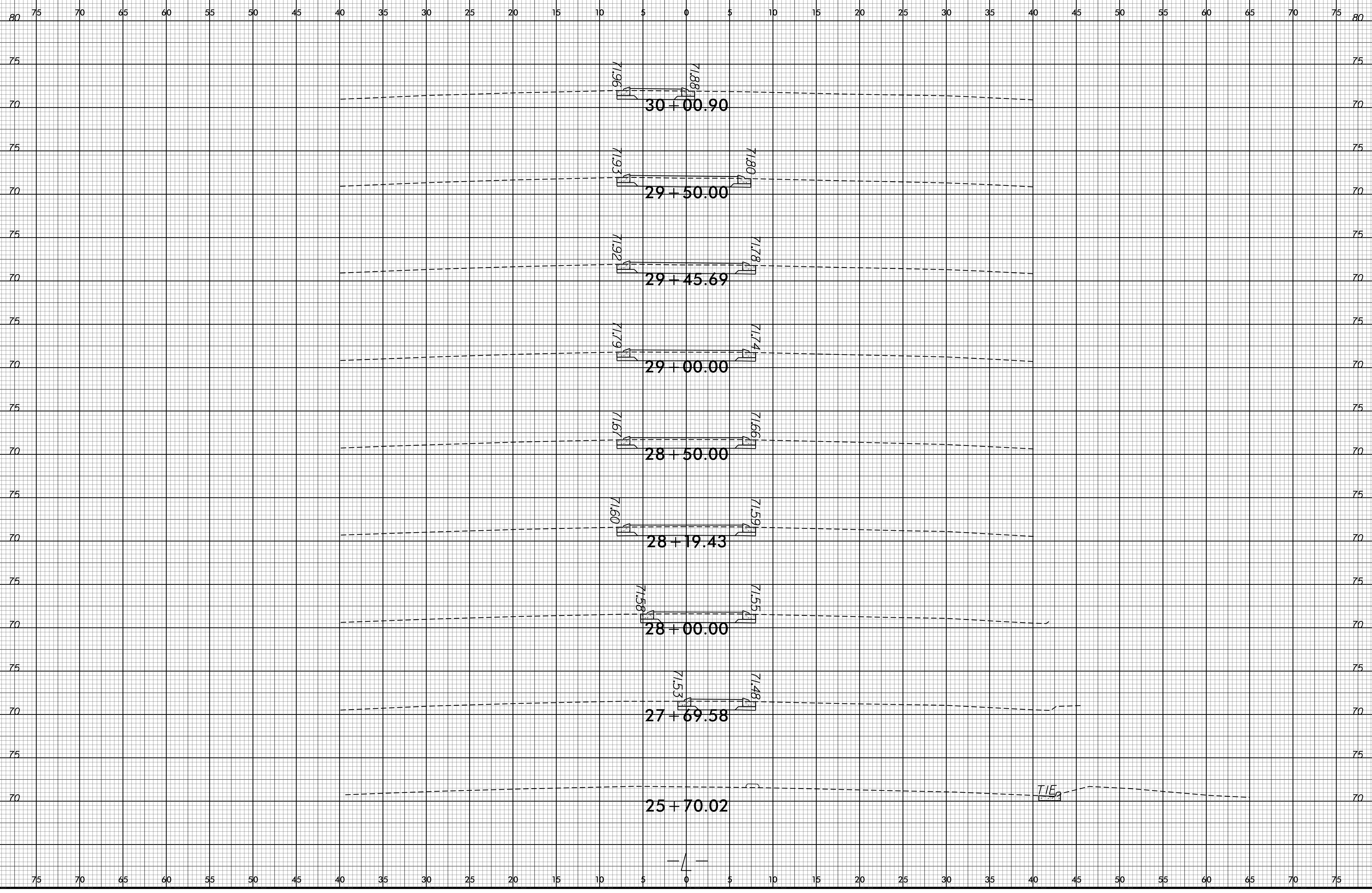
IN CUBIC YARDS

LOCATION (-L-)	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBANKMENT
22 + 67.21	0		0
23 + 00.00	13		11
23 + 24.40	12		11
23 + 50.00	14		13
24 + 00.00	27		25
24 + 50.00	26		25
25 + 04.95	29		27
25 + 14.09	0		0
25 + 42.05	3		0
25 + 70.02	3		0
27 + 69.58	0		0
28 + 00.00	13		11
28 + 19.43	11		10
28 + 50.00	18		17
29 + 00.00	30		28
29 + 45.69	27		26
29 + 50.00	3		2
30 + 00.90	23		20
52 + 32.01	0		0
52 + 50.00	7		5
53 + 00.00	25		22
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55 + 04.11	28		24

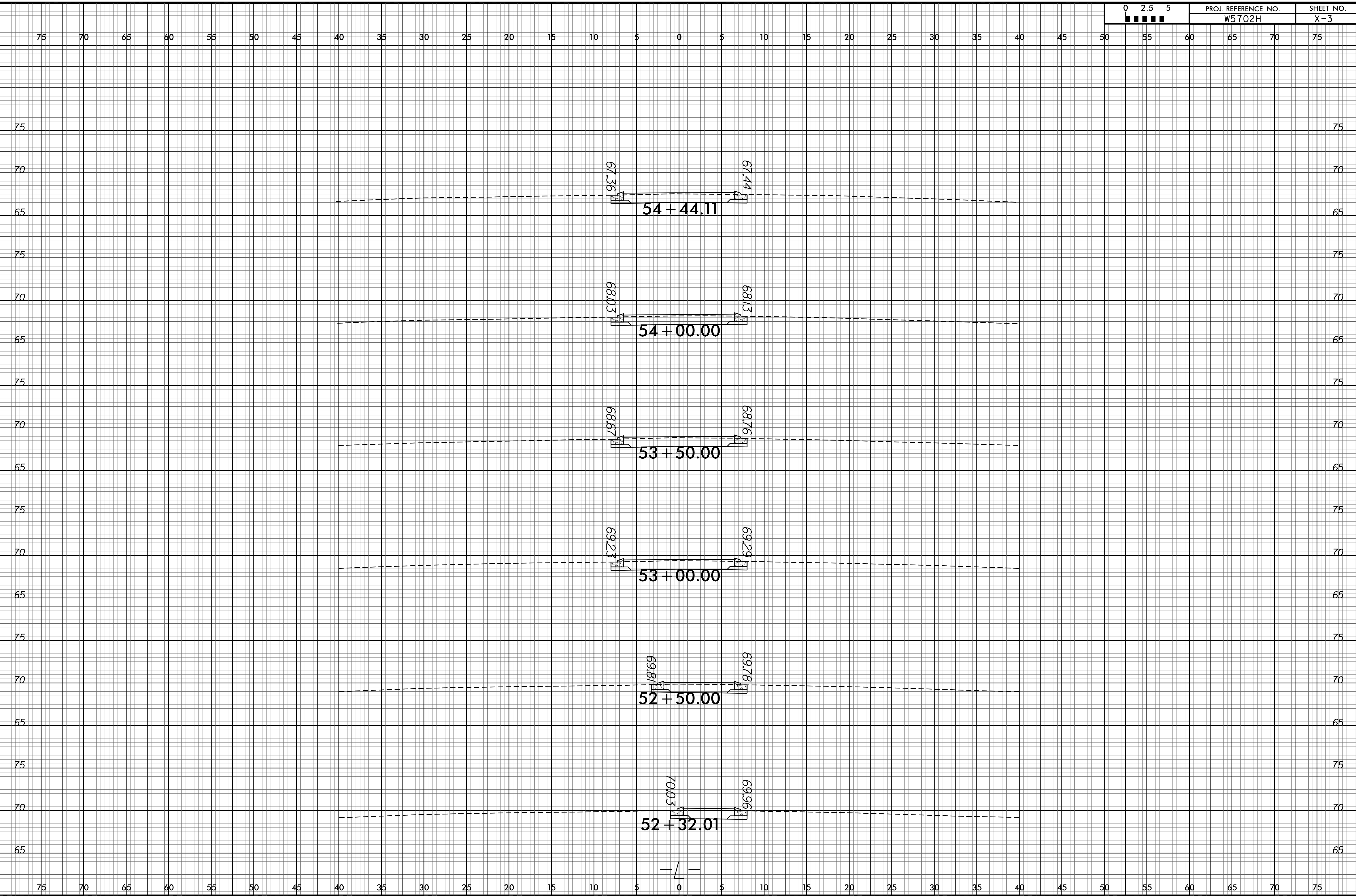
NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT.

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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