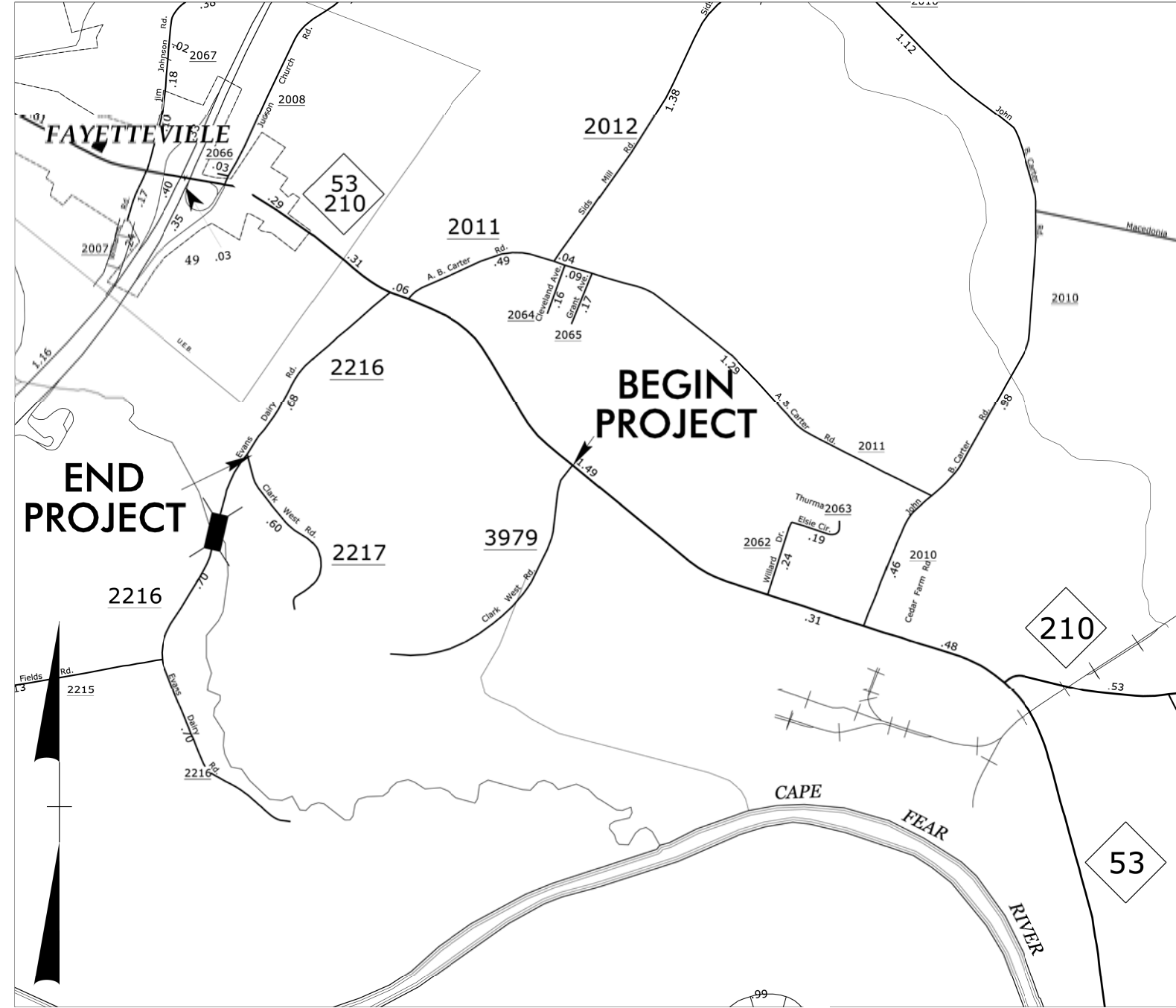


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\$\$\$\$\$USERNAME\$\$\$\$\$

09/08/99

CONTRACT: DF00234

TIP PROJECT: U-6097



VICINITY MAP

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CUMBERLAND COUNTY

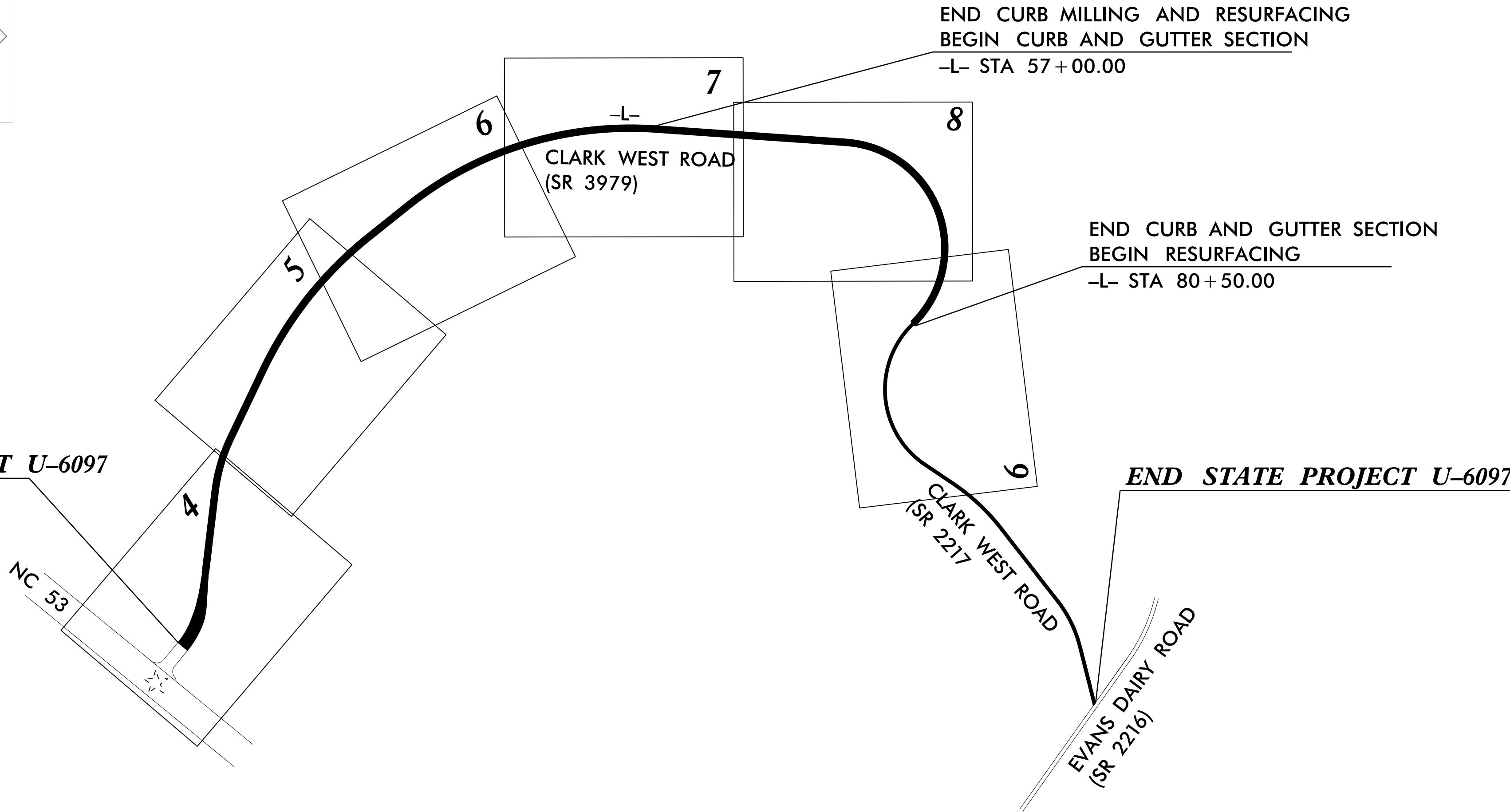
LOCATION: CLARK WEST RD (SR 3979 & SR 2217)
FROM NC 53 TO EVANS DAIRY ROAD (SR 2216)

TYPE OF WORK: GRADING, PAVING, DRAINAGE, MILLING,
RESURFACING AND PAVEMENT MARKINGS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-6097	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
47895.1.1		P.E.	
47895.2.1		ROW, UTILS	
47895.3.1		CONSTRUCTION	



BEG STATE PROJECT U-6097
-L- STA 10 + 00.00



GRAPHIC SCALES



PLANS



PROFILE (HORIZONTAL)



PROFILE (VERTICAL)

PROJECT LENGTH

TOTAL LENGTH OF STATE PROJECT U-6097 = 1.837 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS
431 Transportation Dr., Fayetteville NC 28301

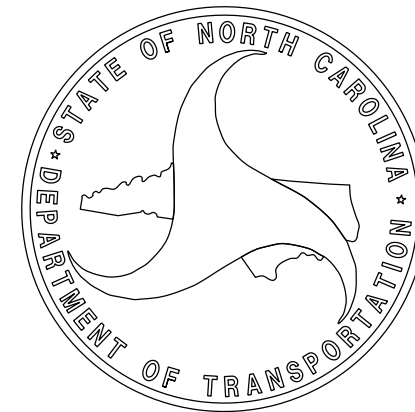
2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
JUNE 29, 2018

LETTING DATE:
DECEMBER 19, 2018

JOHN GAUTHIER
PROJECT ENGINEER

NEIL BUTLER
PROJECT DESIGN ENGINEER



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	
Computed Property Corner	
Property Monument	
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	

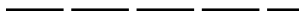
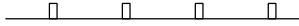
RAILROADS:

Standard Gauge	
RR Signal Milepost	
Switch	
RR Abandoned	
RR Dismantled	

RIGHT OF WAY & PROJECT CONTROL:

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	
New Temporary Construction Easement	
New Temporary Drainage Easement	
New Permanent Drainage Easement	
New Permanent Drainage / Utility Easement	
New Permanent Utility Easement	
New Temporary Utility Easement	
New 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	

*S.U.E. = Subsurface Utility Engineering

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:

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.*)	
U/G Power Line LOS C (S.U.E.*)	
U/G Power Line LOS D (S.U.E.*)	

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.*)	
U/G Telephone Cable LOS C (S.U.E.*)	
U/G Telephone Cable LOS D (S.U.E.*)	
U/G Telephone Conduit LOS B (S.U.E.*)	
U/G Telephone Conduit LOS C (S.U.E.*)	
U/G Telephone Conduit LOS D (S.U.E.*)	
U/G Fiber Optics Cable LOS B (S.U.E.*)	
U/G Fiber Optics Cable LOS C (S.U.E.*)	
U/G Fiber Optics Cable LOS D (S.U.E.*)	

WATER:

Water Manhole	
Water Meter	
Water Valve	
Water Hydrant	
U/G Water Line LOS B (S.U.E.*)	
U/G Water Line LOS C (S.U.E.*)	
U/G Water Line LOS D (S.U.E.*)	
Above Ground Water Line	

TV:

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

GAS:

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

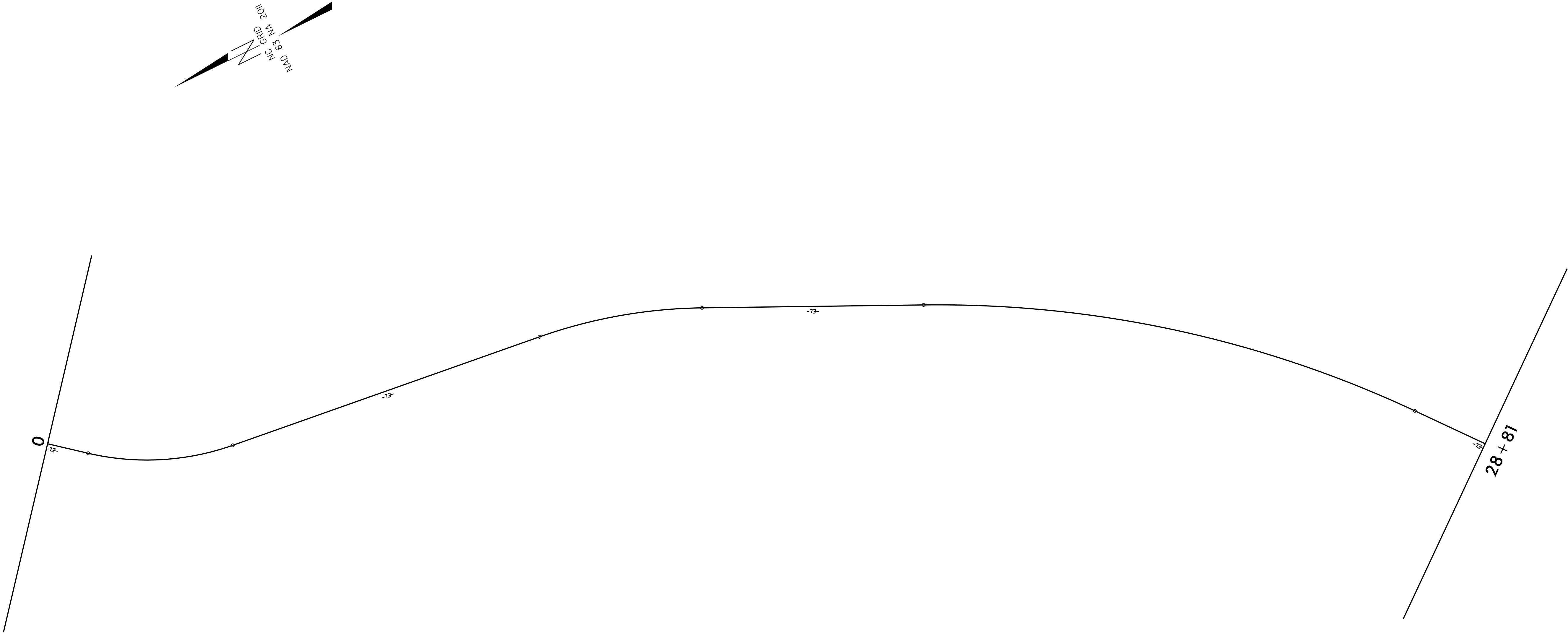
SANITARY SEWER:

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

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/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	
End of Information	

SURVEY CONTROL SHEET
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



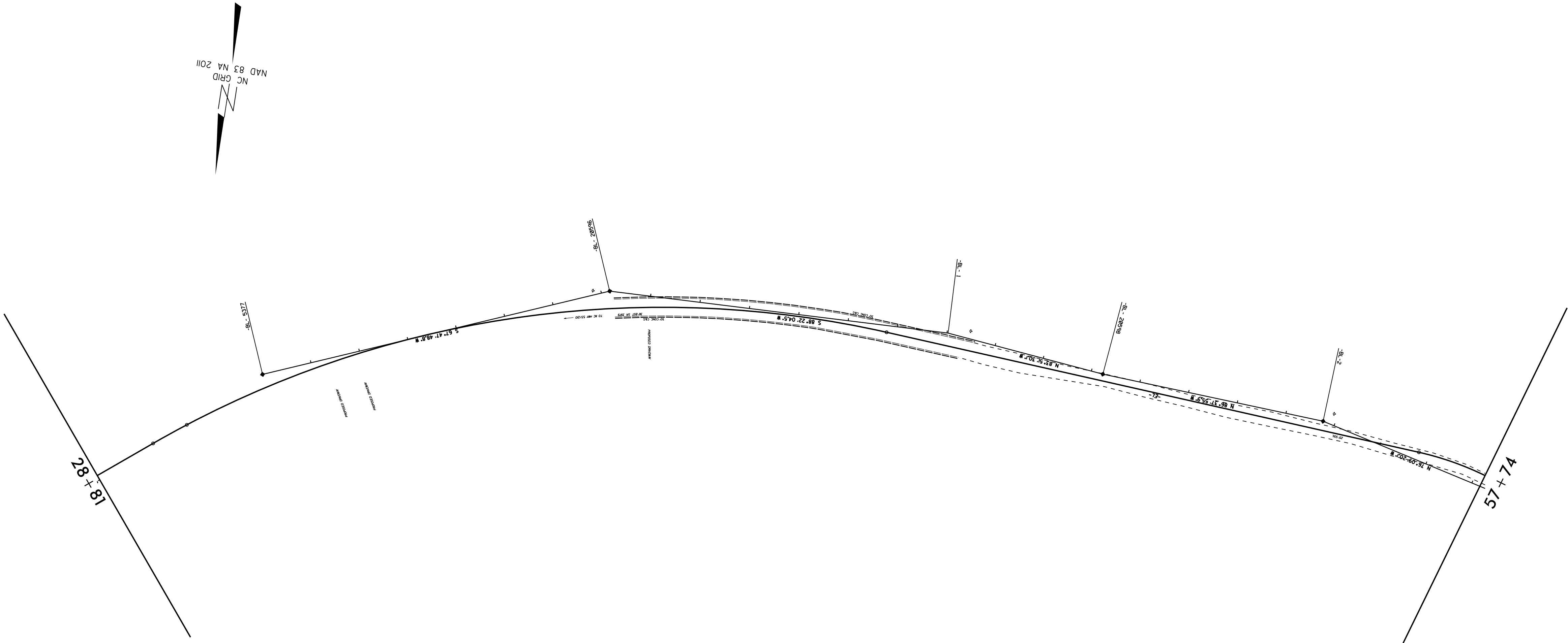
- NOTES:
1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
 2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

6/2/99

01 JUN 2018 15:49
U:\U-6097 Campbell Soup_Cumb Co\location\6097_1s_RW02C-1.dgn
U:\U-6097 Campbell Soup_Cumb Co\location\6097_1s_RW02C-1.dgn

SURVEY CONTROL SHEET
W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



NOTES:

- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

BL	POINT	DESC.	NORTH	EAST	ELEVATION
5377	U6097	BL - 5377	450070.2200	2058480.5000	89.46
20596	U6097	BL - 2059	449799.2340	2057816.5720	93.99
1	U6097	BL - 1	449779.7196	2057131.6857	92.41
20598	U6097	BL - 2059	449814.1249	2056811.9468	95.10
2	U6097	BL - 2	449840.7048	2056360.2682	94.22
20599	U6097	BL - 2059	449932.8800	2055986.2500	94.28
3	U6097	BL - 3	450225.2276	2055619.6661	93.33
20602	U6097	BL - 2060	450677.5800	2055614.8300	94.74
20603	U6097	BL - 2060	451199.1200	2055958.0500	89.23
20604	U6097	BL - 2060	451542.0800	2055855.9300	92.68

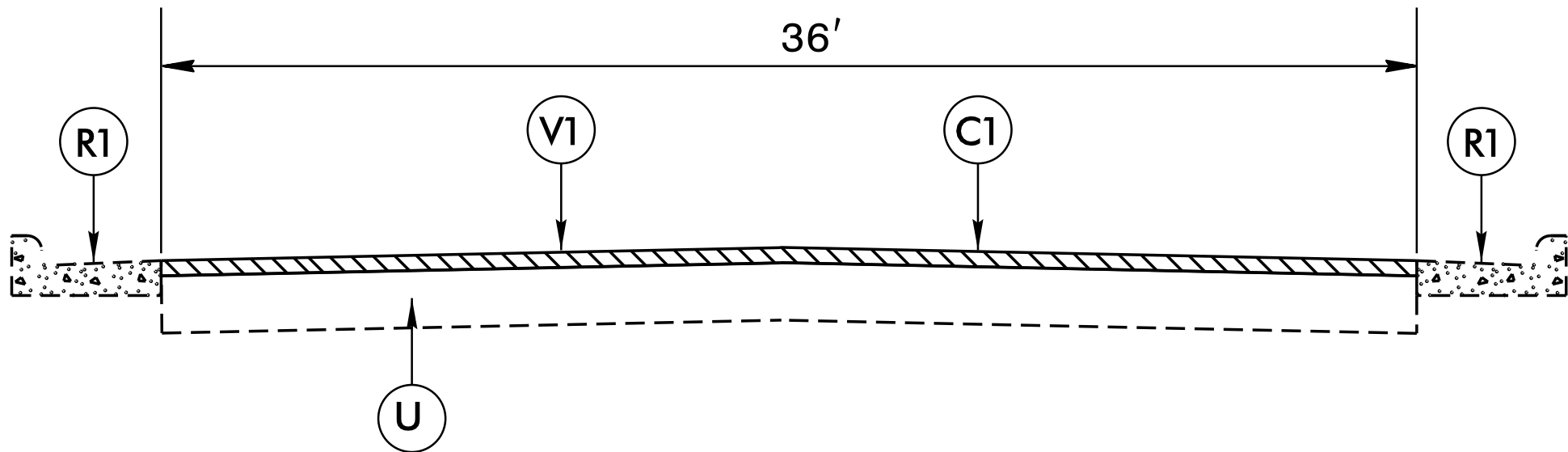
EL	POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT		452821.833	2060011.373							
LINE				S 39°26'04.6" W	80.65					
PC		452759.545	2059960.146							
CURVE				S 23°06'37.8" W	281.07	32°38'53.5"(LT)	11°27'33.0"	284.91	146.44	500.00
PT		452501.031	2059849.824							
LINE				S 06°47'10.8" W	630.94					
PC		451874.511	2059775.268							
CURVE				S 16°08'42.8" W	320.08	18°43'03.9"(RT)	05°49'18.7"	321.51	162.20	984.15
PT		451567.055	2059686.262							
LINE				S 25°30'14.8" W	429.70					
PC		451179.228	2059501.244							
CURVE				S 38°25'14.8" W	974.69	25°49'59.8"(RT)	02°37'40.8"	983.00	500.00	2180.20
PT		450415.586	2058895.537							
LINE				S 51°20'14.8" W	280.00					
PC		450240.661	2058676.903							
CURVE				S 52°25'12.1" W	77.40	02°09'54.5"(RT)	02°47'49.7"	77.41	38.71	2048.37
PCC		450193.457	2058615.562							
CURVE				S 73°45'12.1" W	1418.00	40°30'05.3"(RT)	02°47'49.7"	1447.96	755.71	2048.37
PT		449796.739	2057254.187							
LINE				N 85°59'45.2" W	1096.33					
PC		449873.294	2056160.529							
CURVE				N 19°54'33.3" W	1109.59	132°10'23.4"(RT)	09°26'27.2"	1400.01	1368.66	606.89
PCC		450916.565	2055782.680							
CURVE				N 00°44'22.8" E	731.85	90°52'28.9"(LT)	11°09'21.4"	814.59	521.49	513.59
PT		451648.353	2055792.127							

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

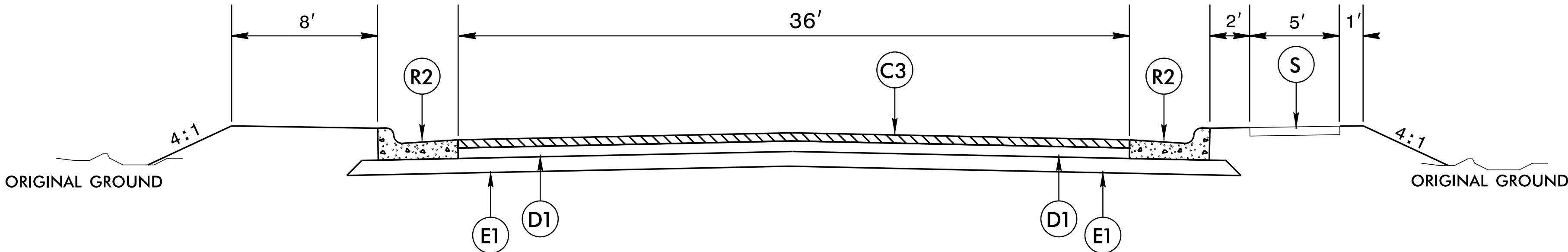
2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

6/2/99

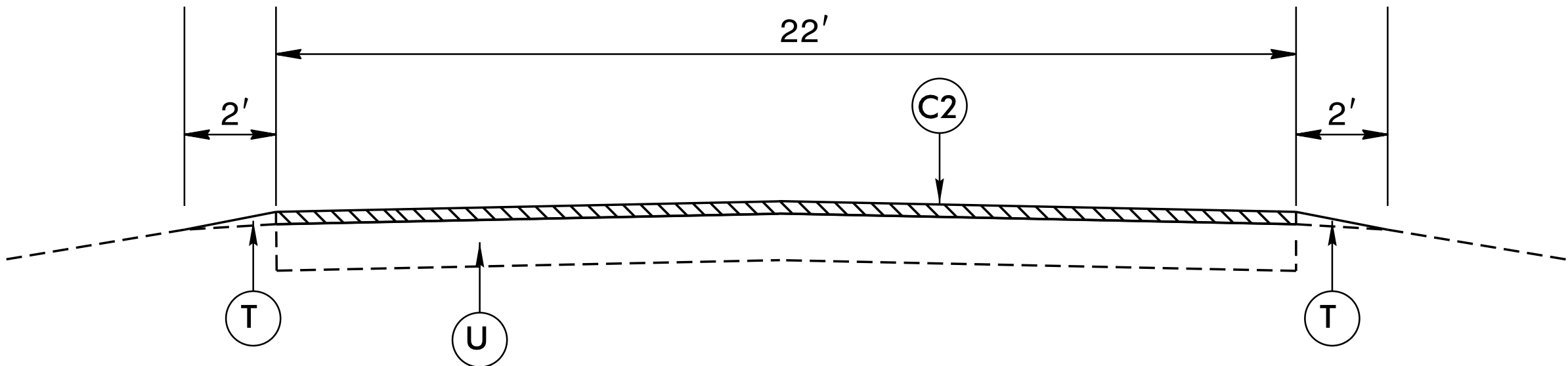
PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C3	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 336 LBS. PER SQ. YD.
D1	PROP. APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E1	PROP. APPROX. 3" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
R1	EXISTING 2'-6" CONCRETE CURB AND GUTTER
R2	PROPOSED 2'-6" CONCRETE CURB AND GUTTER
S	4" CONCRETE SIDEWALK
T	AGGREGATE SHOULDER BORROW
U	EXISTING PAVEMENT
V1	MILLING ASPHALT PAVEMENT 1.5" DEPTH



TYPICAL SECTION NO. 1
-L- STA 10+00.00 - 57+00.00



TYPICAL SECTION NO. 2
-L- STA 57+00.00 - 80+50.00



TYPICAL SECTION NO. 3
-L- STA 80+50.00 - SR 2216 (EVANS DAIRY ROAD)

5/9/06

COMPUTED BY: JIN BUTLER	DATE: AUG 14, 2018
CHECKED BY:	DATE:

PROJECT REFERENCE NO.	SHEET NO.
U-6097	3

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

Note: Approximate quantities only. Unclassified Excavation, Borrow Excavation, Shoulder Borrow, Fine Grading, Clearing and Grubbing, Breaking of Existing Pavement, and Removal of Existing Pavement will be paid for at the contract lump sum price for "Grading."

SUMMARY OF EARTHWORK
IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
-L- STATION 57 + 00 - 80 + 50	6228	11,100	1200	1260	17,328

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout. See "Standard Specifications For Roads and Structures, Section 300-5".

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

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H:\DDC\PROJECTS\U-6097\U6097_Rdy-sum.dgn\$

PROJECT REFERENCE NO.	SHEET NO.
U-6097	5

PT Std. 23+18.00

25

 $\mathcal{G}'' W$

PC Sta. 27+47.70

EXPOSE AND BACKFILL
AROUND EXISTING BOX
AS DIRECTED BY ENGINEER

BACKFILL LOW AREAS
AS DIRECTED BY ENGINEER

-L-

PI Sta 32+47.70
 $\Delta = 25^\circ 49' 59.8''$ (RT)
 $D = 2^\circ 37' 40.8''$
 $L = 983.00'$
 $T = 500.00'$
 $R = 2,180.20'$

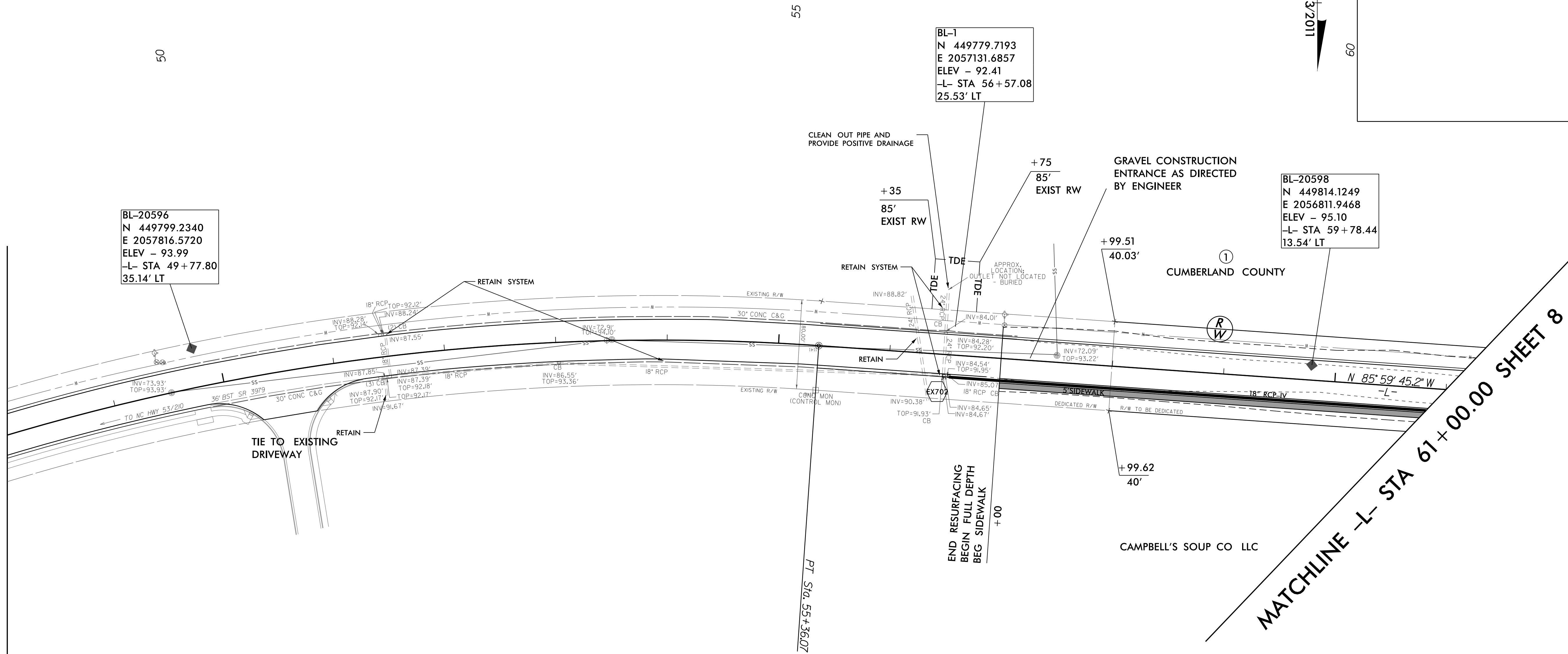
NAD 83/2011

MATCHLINE -L- STA 35+00.00 SHEET 6

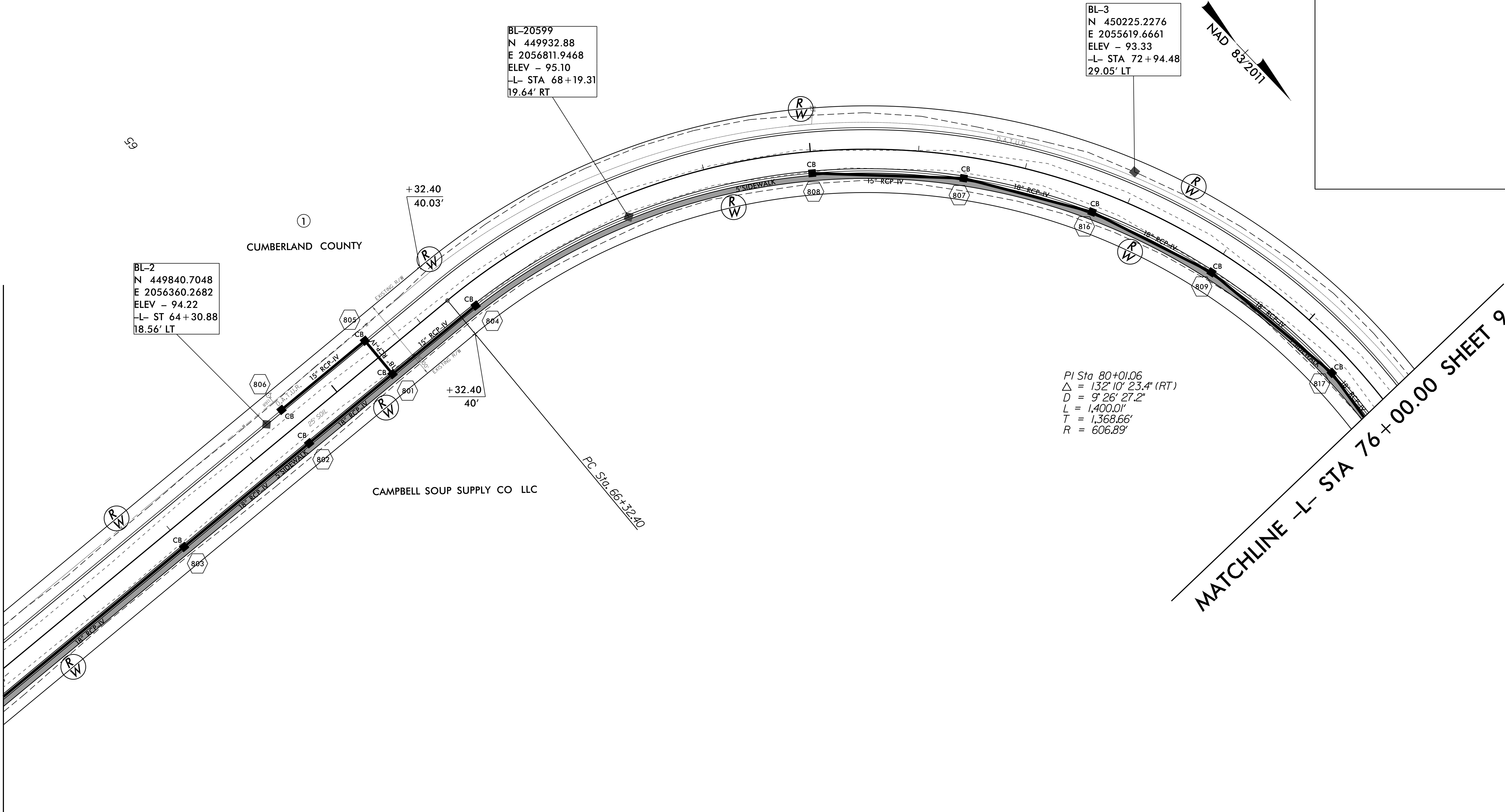
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U-6097

7

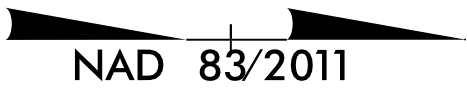


MATCHLINE -L- STA 61+00.00 SHEET 7



PROJECT REFERENCE NO.	SHEET NO.
U-6097	8

REVISIONS



MATCHLINE -L- STA 76 + 00.00 SHEET 8

BL-20602
N 450677.5800
E 2055614.8300
ELEV - 94.74
-L- STA 77 + 41.20
13.91' LT

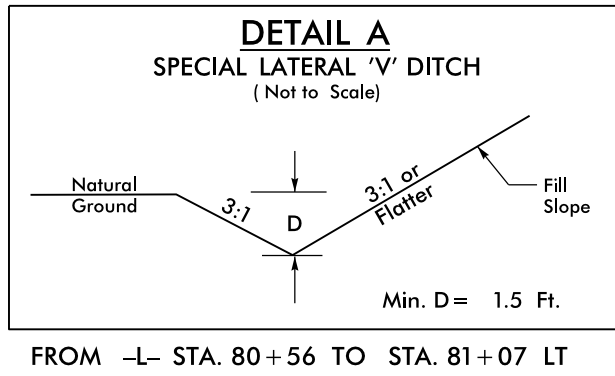
CUMBERLAND COUNTY

GRAVEL CONSTRUCTION
ENTRANCE AS DIRECTED
BY ENGINEER

CAMPBELL SOUP SUPPLY CO LLC

END CURB AND GUTTER SECTION
BEGIN RESURFACING

-L- STA 80 + 50.00



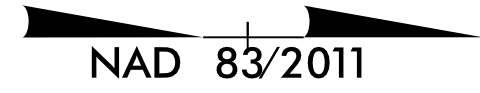
PI Sta 85+53.90
 $\Delta = 90^\circ 52' 28.9''$ (LT)
 $D = 11^\circ 09' 21.4''$
 $L = 814.59'$
 $T = 521.49'$
 $R = 513.59'$

BL-20604
N 451542.0800
E 2055855.9300
ELEV - 92.68
-L- STA 87 + 21.81
14.65' LT

BL-20603
N 451199.1200
E 2055958.0500
ELEV - 89.23
-L- STA 83 + 61.99
24.65' RT

MATCHLINE SHEET 10

MATCHLINE SHEET 9



END STATE PROJECT U-6097

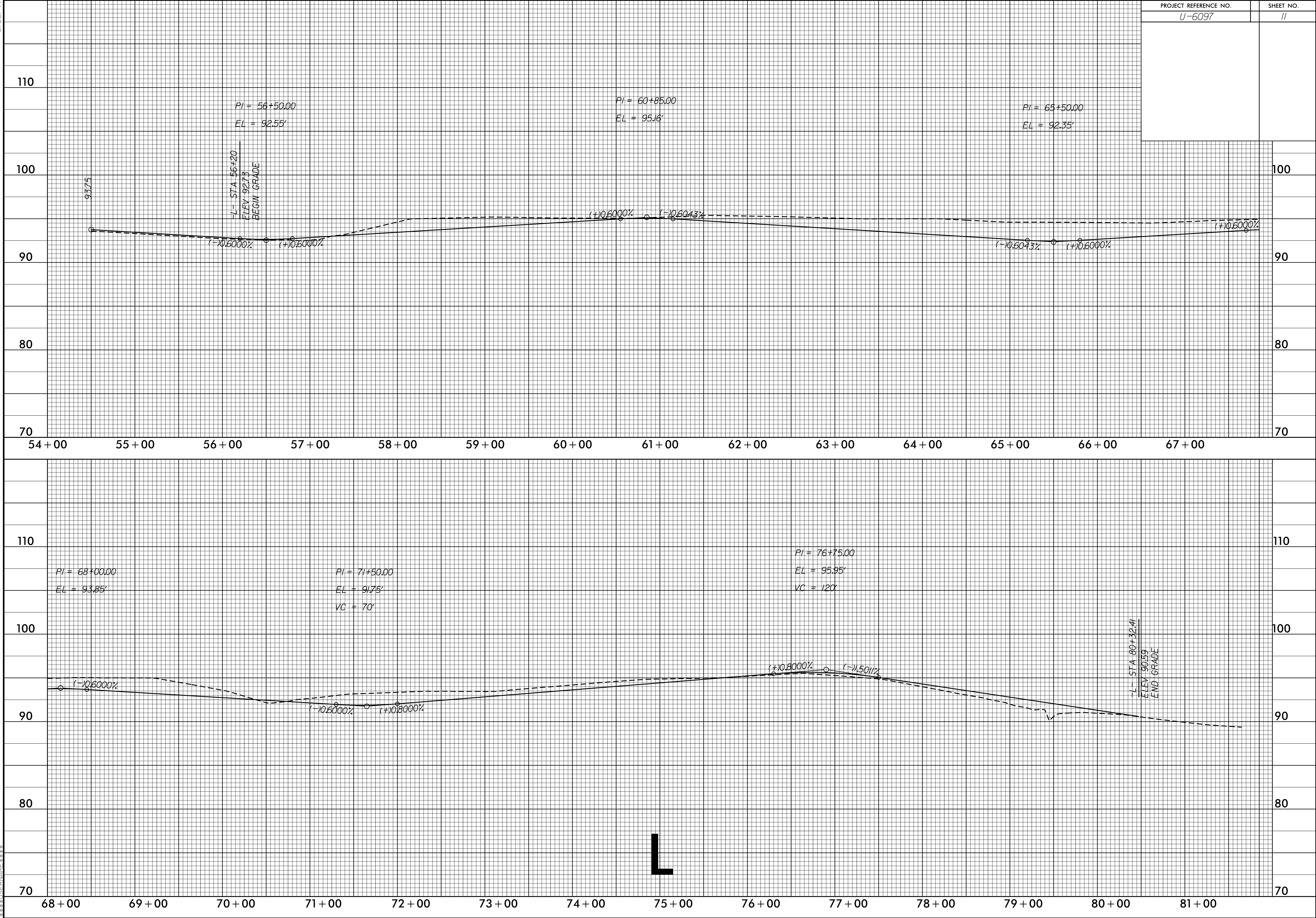
22' BST CLARK WEST RD (SR 227)

EVANS DAIRY RD (SR 226)

PROJECT REFERENCE NO.	SHEET NO.
U-6097	10

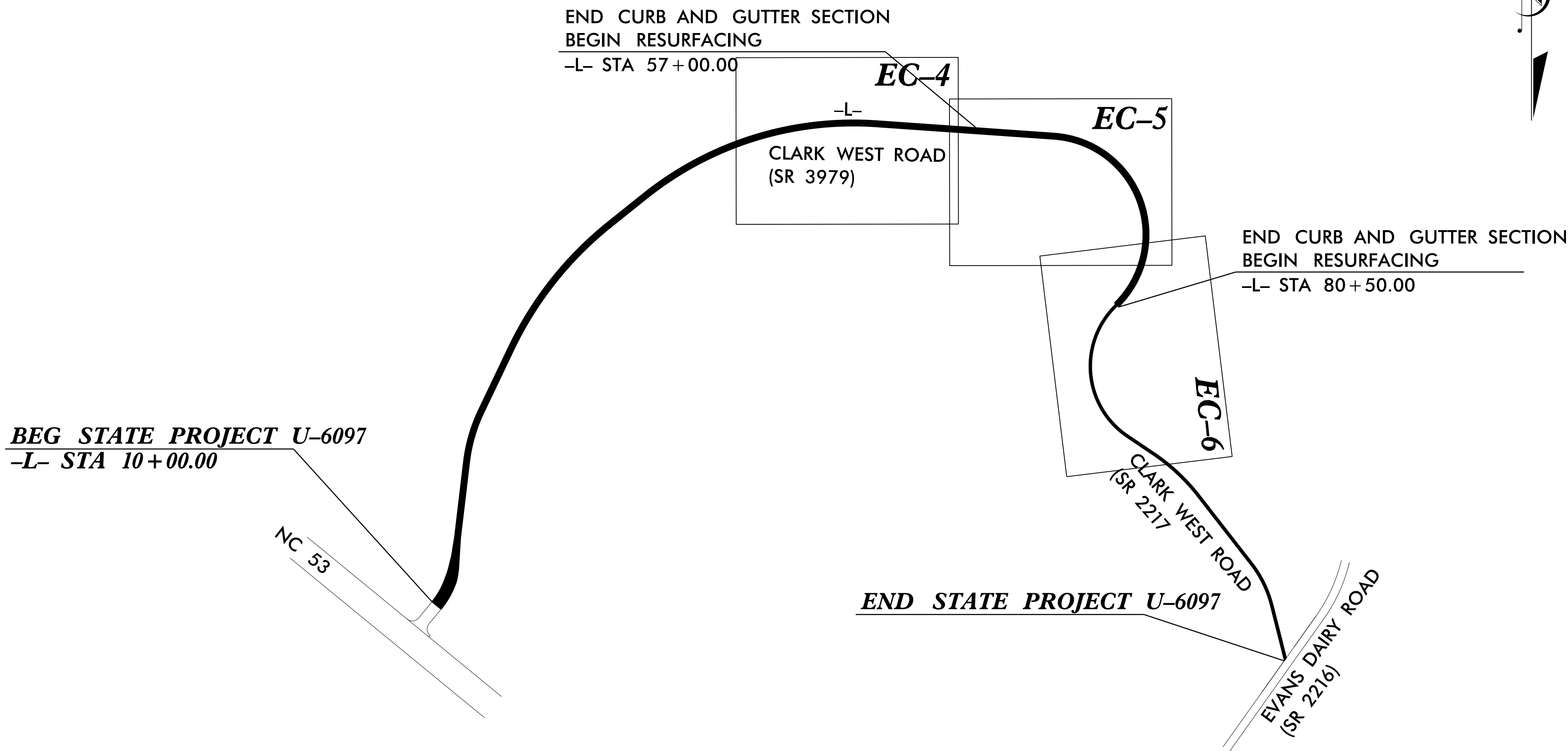
5/28/99

3/10/2018 16:59
C:\Roadway\proj\U-6097_rdy.prof sht.dgn
U-6097.rdy



TIP PROJECT: U-6097

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



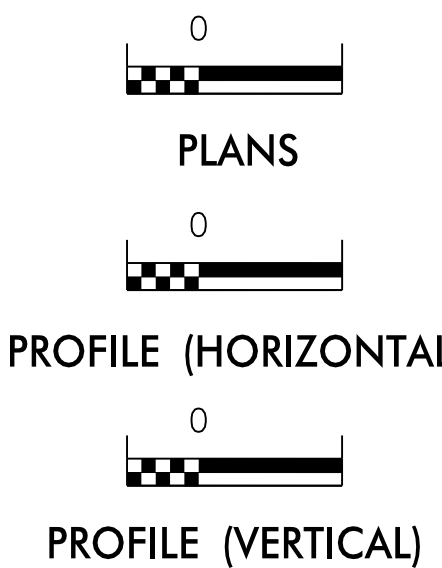
NAD 83/2011

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-6097	EC-1	
STATE PROJ.NO.	F.A.PROJ.NO.	DESCRIPTION	

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch.....	TSO
1630.05	Temporary Diversion.....	TD
1605.01	Temporary Silt Fence.....	III III III
1606.01	Special Sediment Control Fence.....	△△△△△△△△
1622.01	Temporary Berms and Slope Drains.....	▽▽▽▽▽▽▽▽
1630.02	Silt Basin Type B.....	▨
1633.01	Temporary Rock Silt Check Type-A.....	▨
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM).....	⊗
1633.02	Temporary Rock Silt Check Type-B.....	▶
	Wattle / Coir Fiber Wattle.....	⌒
	Wattle / Coir Fiber Wattle with Polyacrylamide (PAM).....	⌒
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.....	⌒
1630.04	Stilling Basin.....	▨
1630.06	Special Stilling Basin.....	▨
	Rock Inlet Sediment Trap:	
1632.01	Type A.....	A
1632.02	Type B.....	B
1632.03	Type C.....	C
	Skimmer Basin.....	▨
	Tiered Skimmer Basin.....	▨
	Infiltration Basin.....	▨

GRAPHIC SCALE



ROADSIDE ENVIRONMENTAL UNIT
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY
WITH THE REGULATIONS SET FORTH BY THE
NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011
ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND
NATURAL RESOURCES DIVISION OF WATER QUALITY.

Prepared In the Office of:
DIVISION 6 DDC
436 Transportation Dr.
Fayetteville, NC 28303
2018 STANDARD SPECIFICATIONS

Roadway Standard Drawings

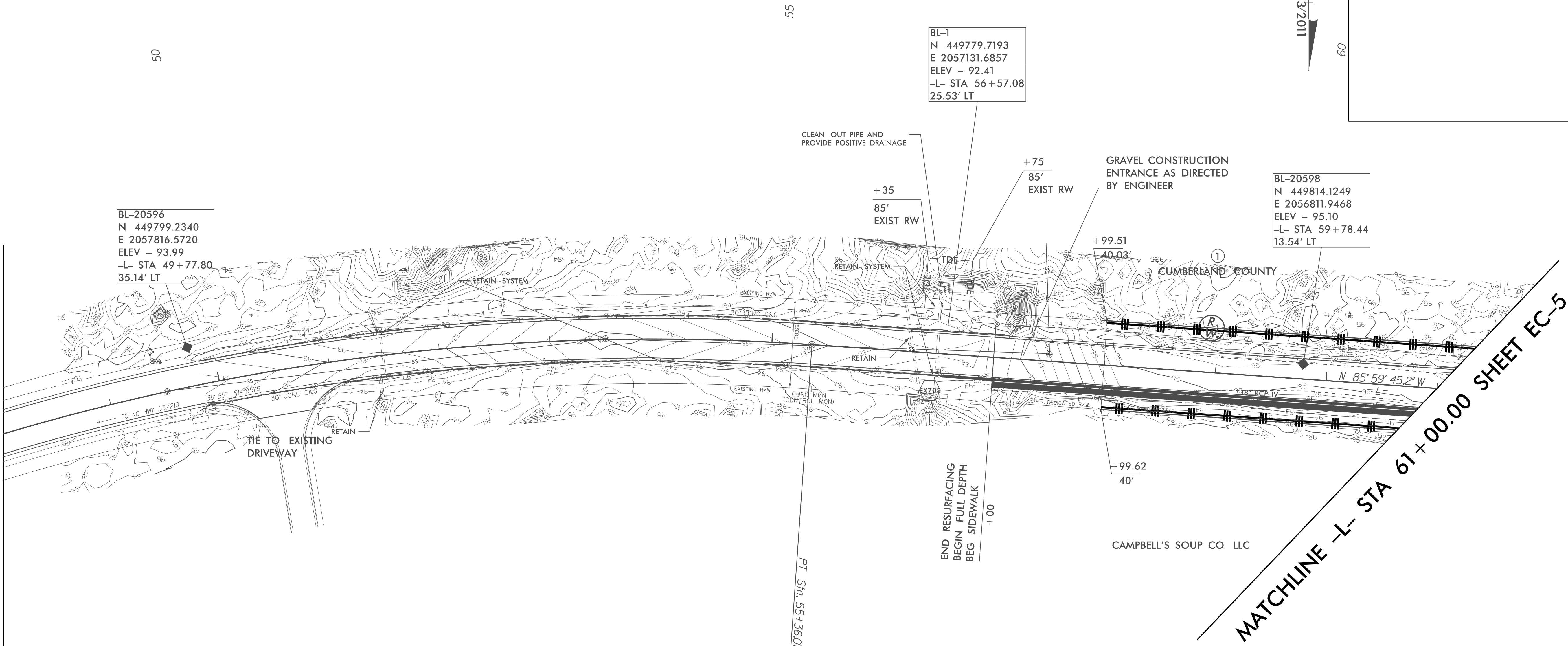
The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2018 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1604.01	Railroad Erosion Control Detail	1632.01	Rock Inlet Sediment Trap Type A
1605.01	Temporary Silt Fence	1632.02	Rock Inlet Sediment Trap Type B
1606.01	Special Sediment Control Fence	1632.03	Rock Inlet Sediment Trap Type C
1607.01	Gravel Construction Entrance	1633.01	Temporary Rock Silt Check Type A
1622.01	Temporary Berms and Slope Drains	1633.02	Temporary Rock Silt Check Type B
1630.01	Riser Basin	1634.01	Temporary Rock Sediment Dam Type A
1630.02	Silt Basin Type B	1634.02	Temporary Rock Sediment Dam Type B
1630.03	Temporary Silt Ditch	1635.01	Rock Pipe Inlet Sediment Trap Type A
1630.04	Stilling Basin	1635.02	Rock Pipe Inlet Sediment Trap Type B
1630.05	Temporary Diversion	1640.01	Coir Fiber Baffle
1630.06	Special Stilling Basin	1645.01	Temporary Stream Crossing
1631.01	Matting Installation		

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

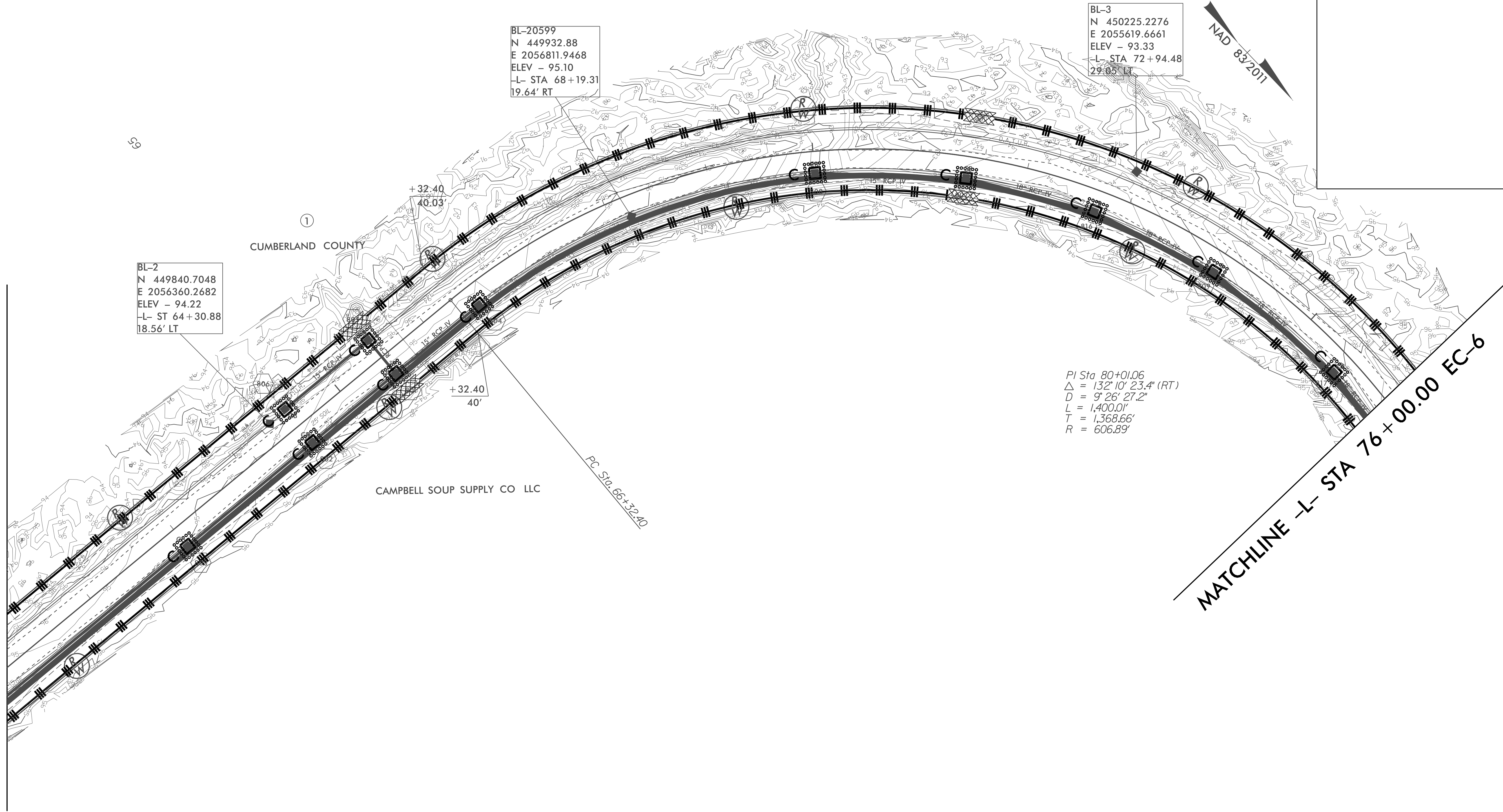
SOIL STABILIZATION TIMEFRAMES

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 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

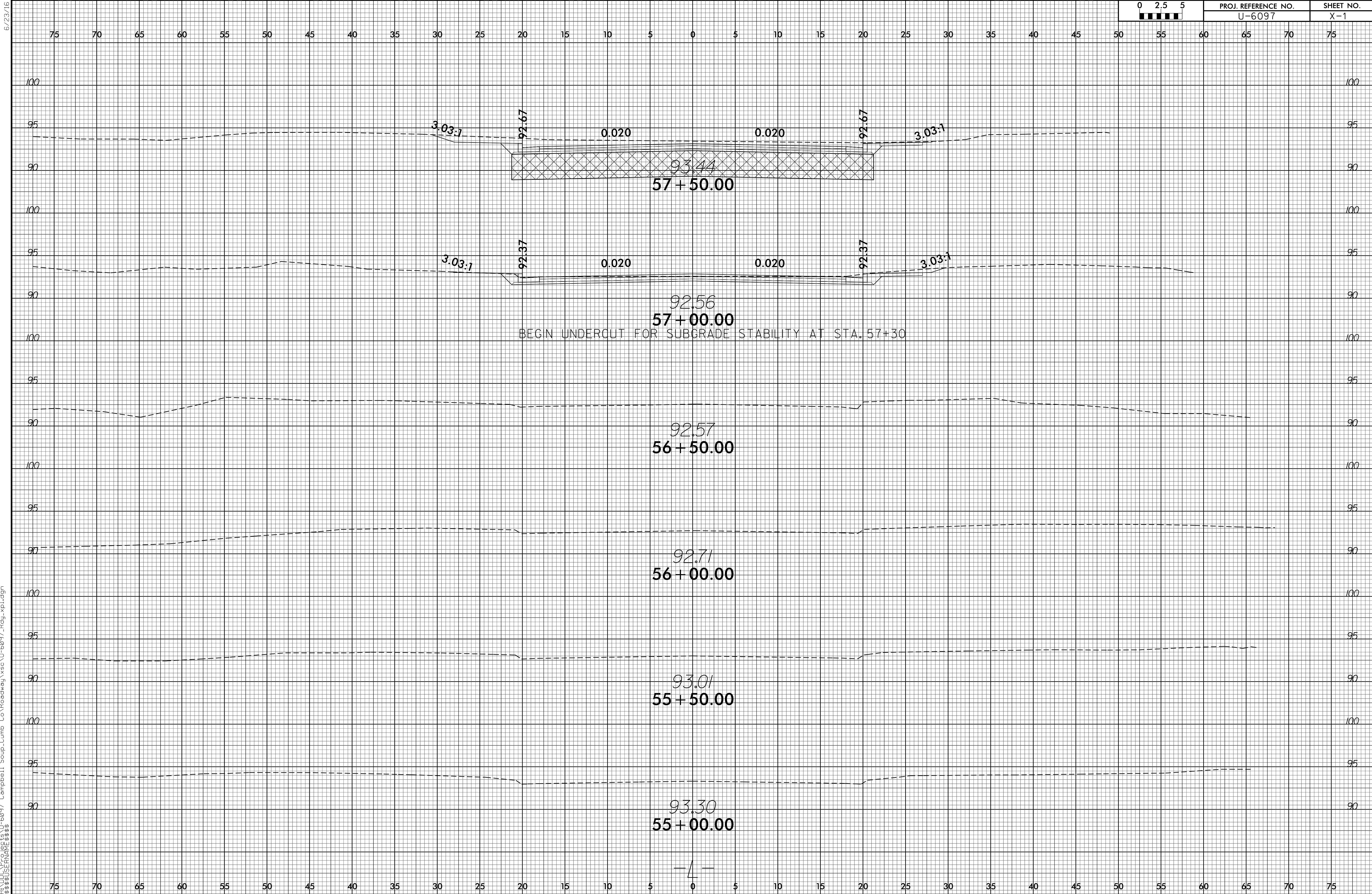


REVISIONS

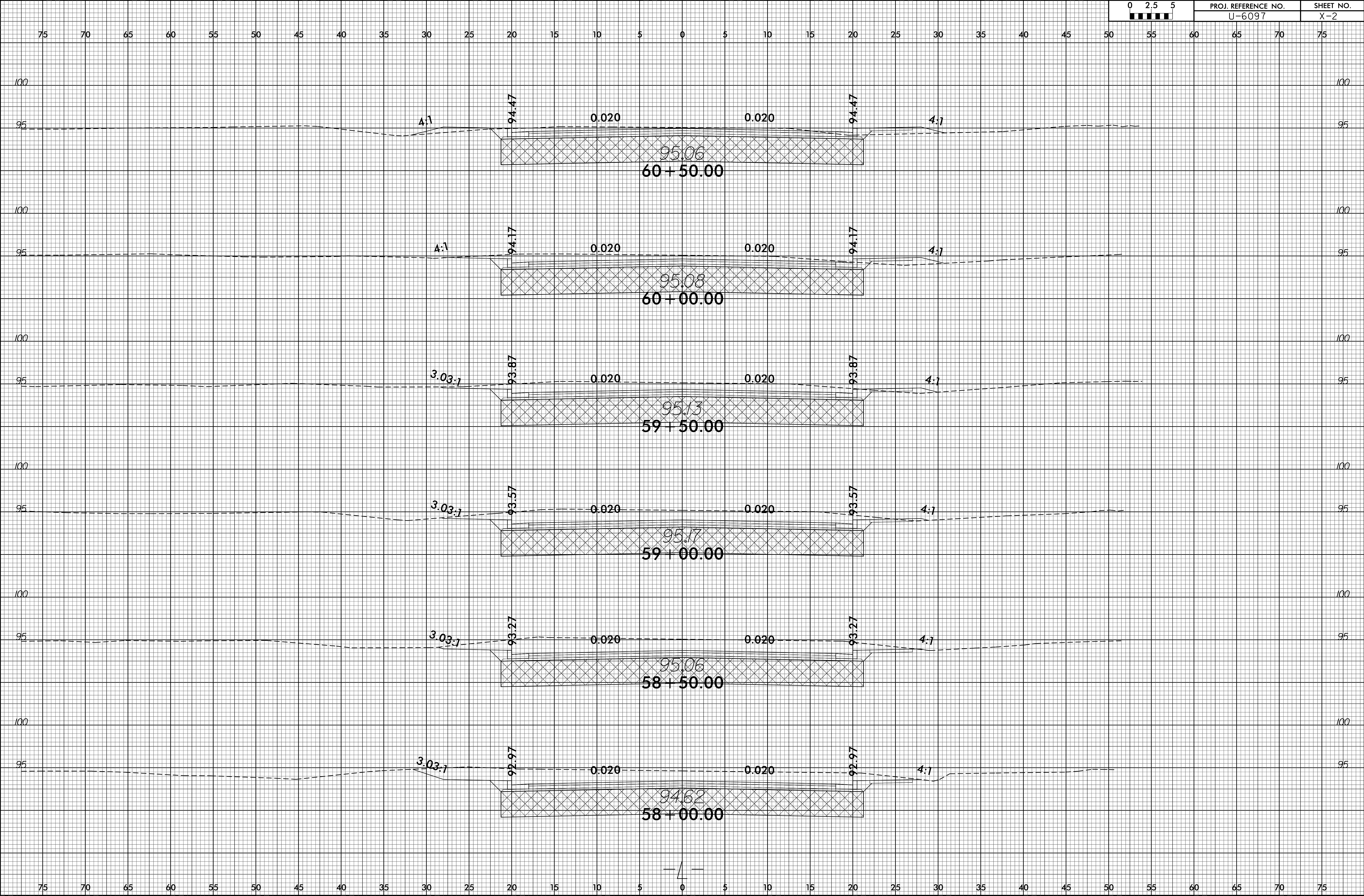
MATCHLINE -L- STA 61+00.00 EC-4



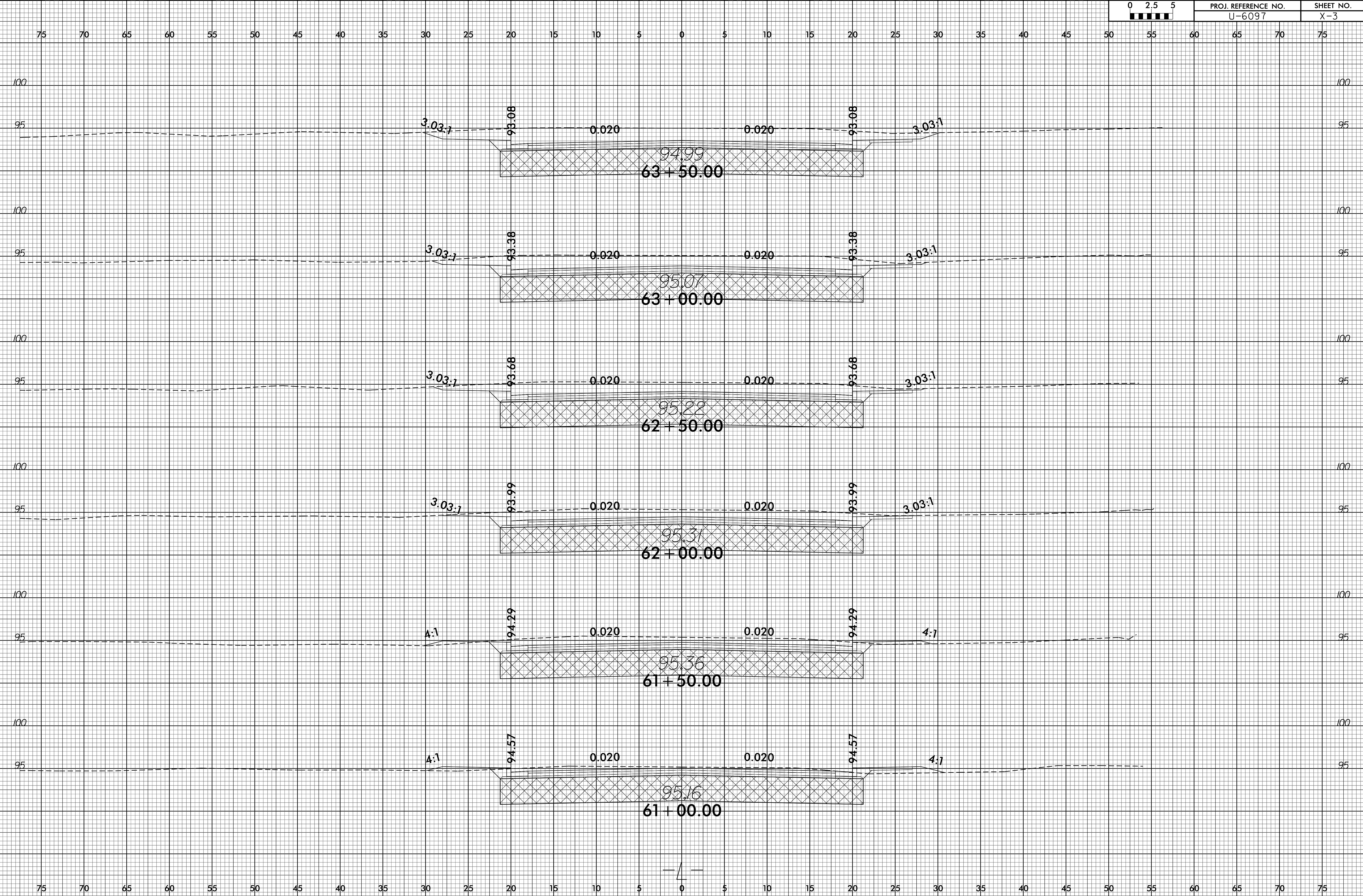
6/23/16



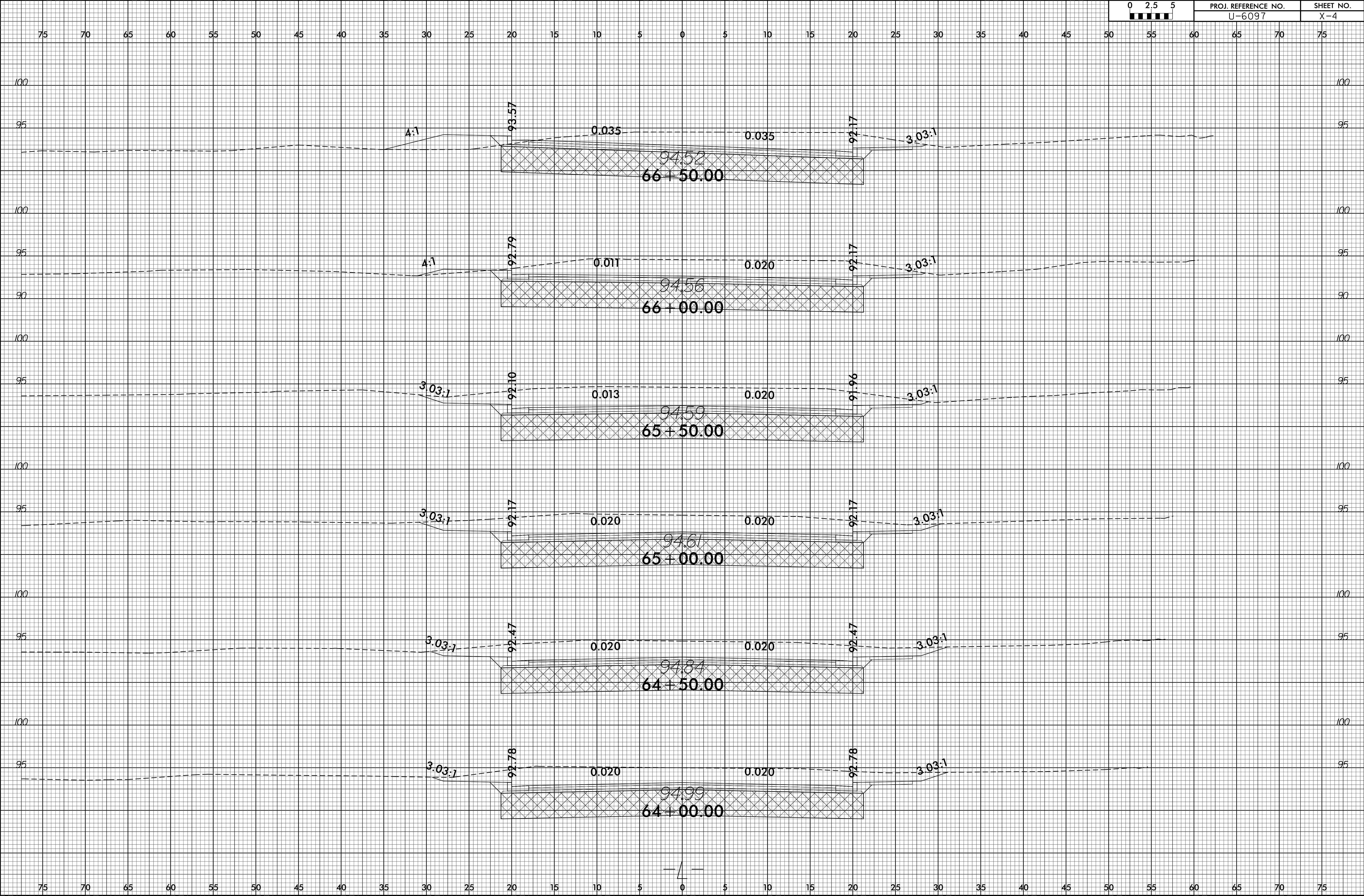
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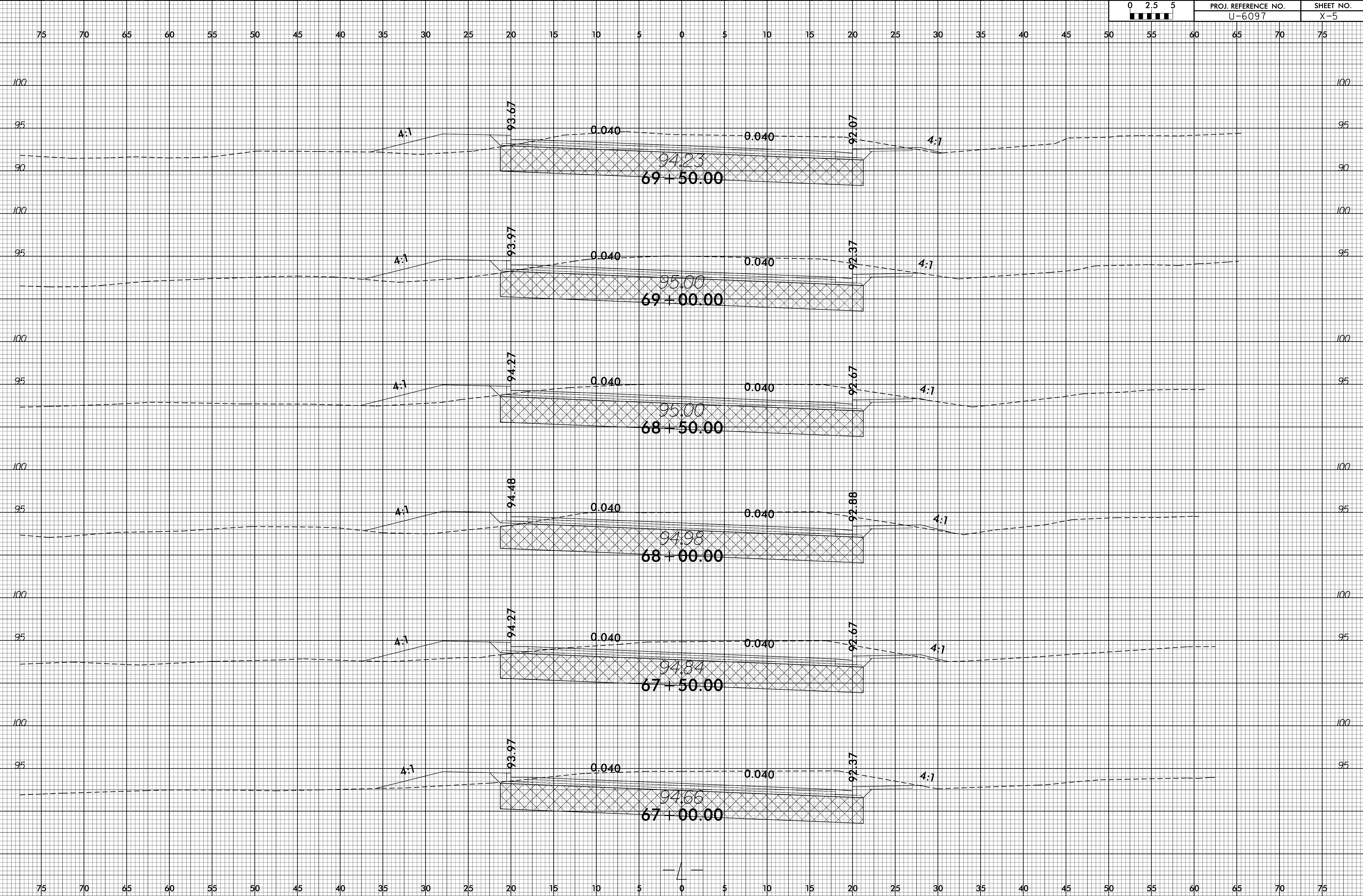
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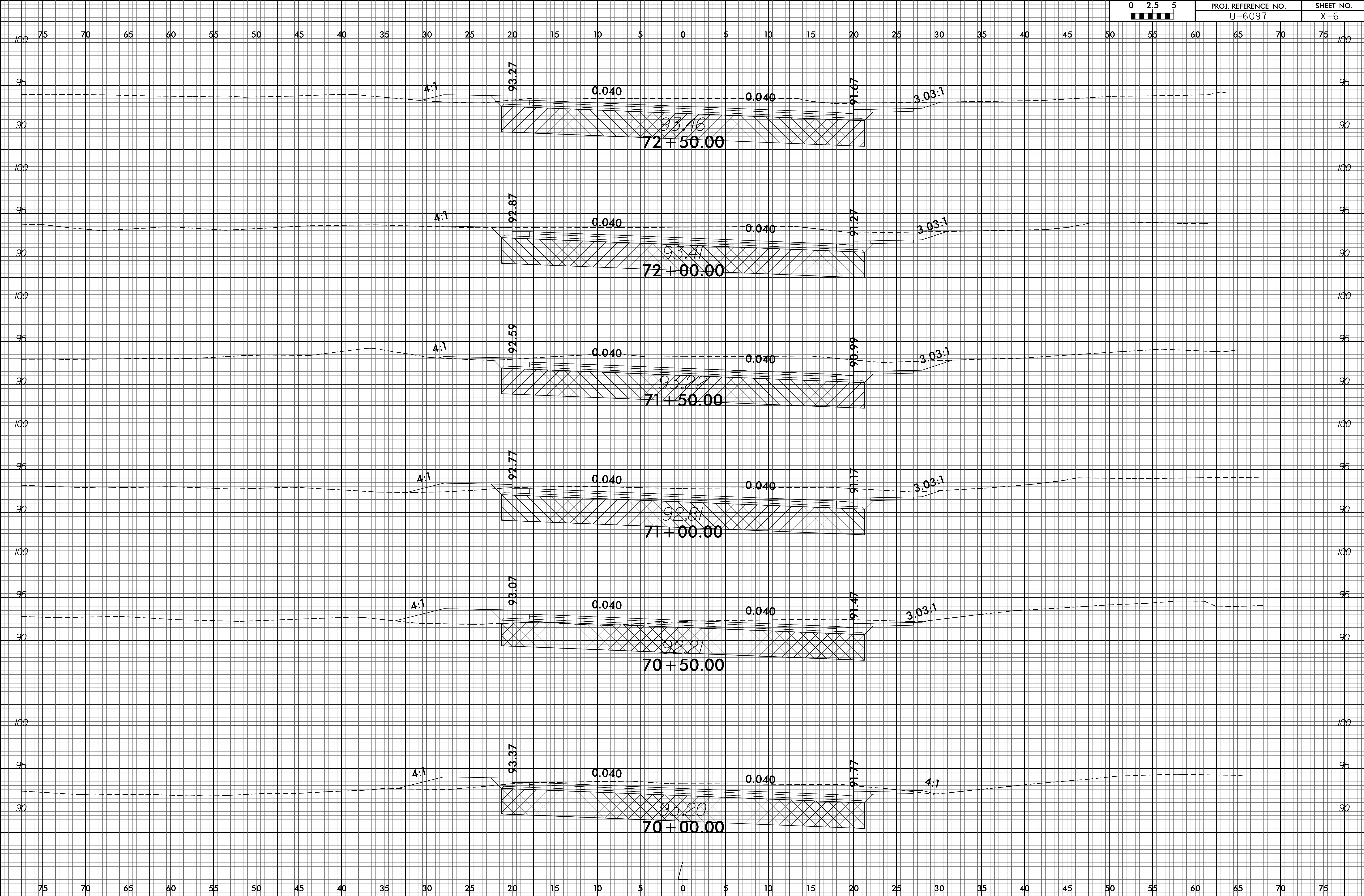
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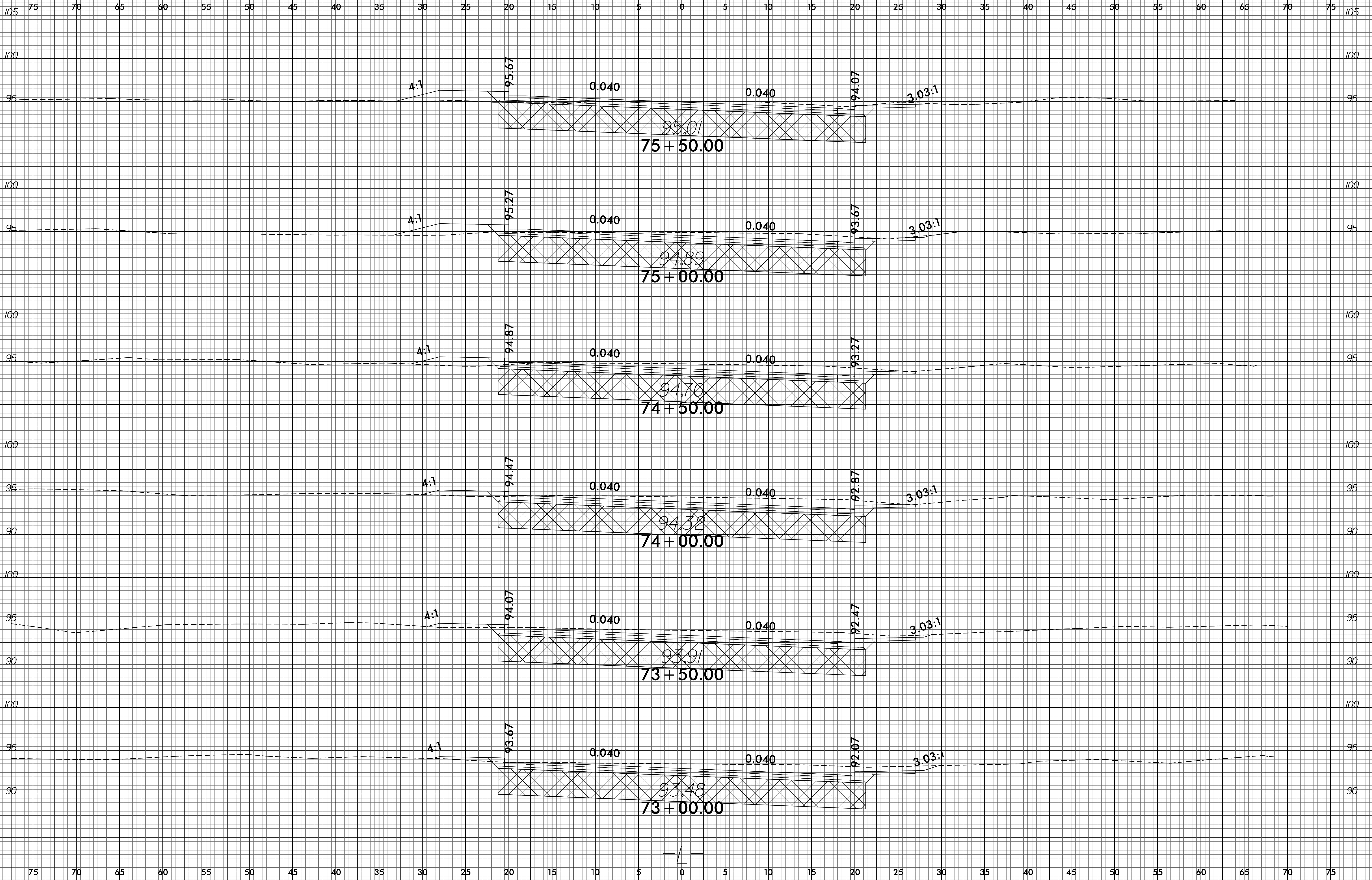
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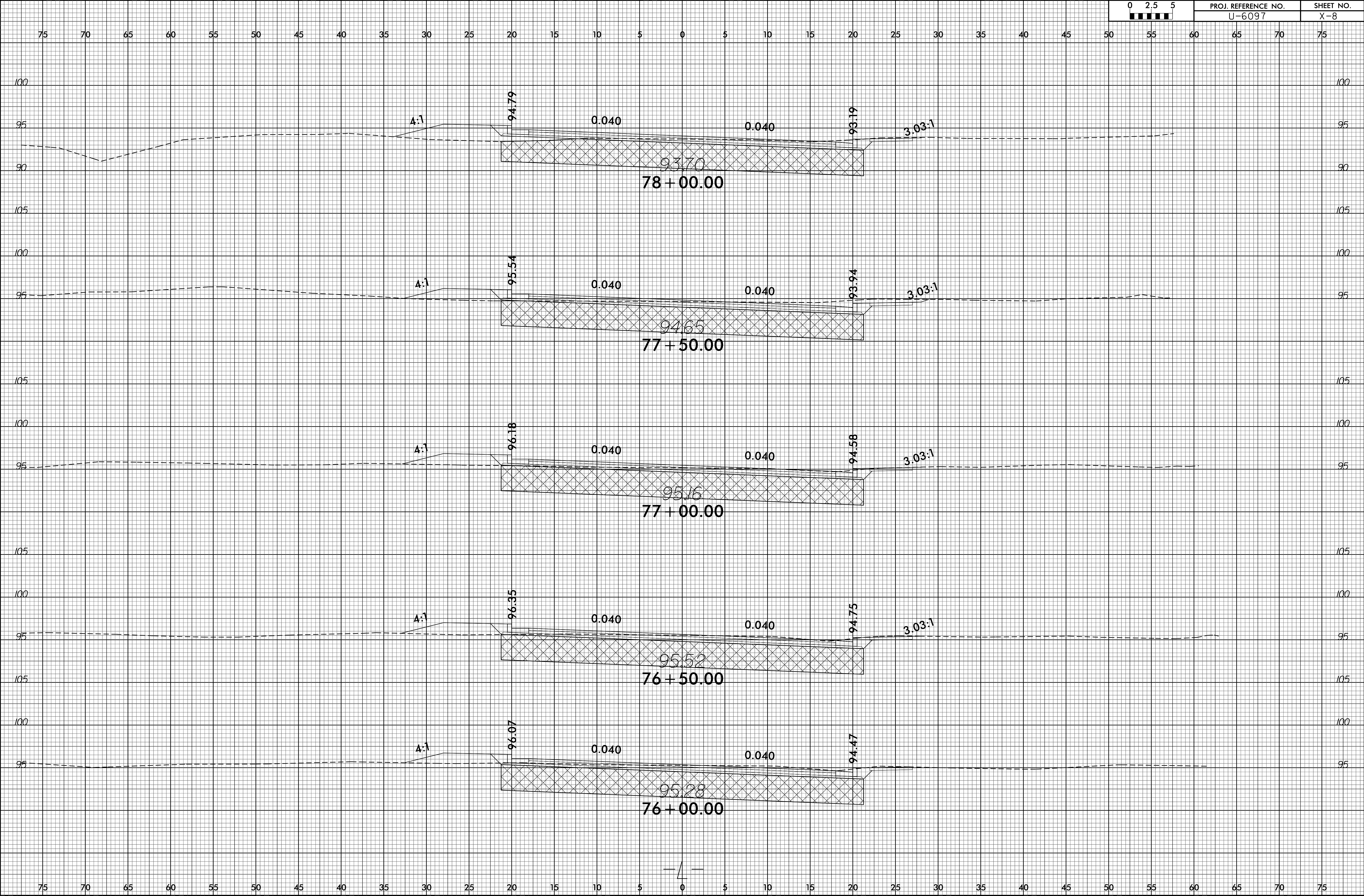
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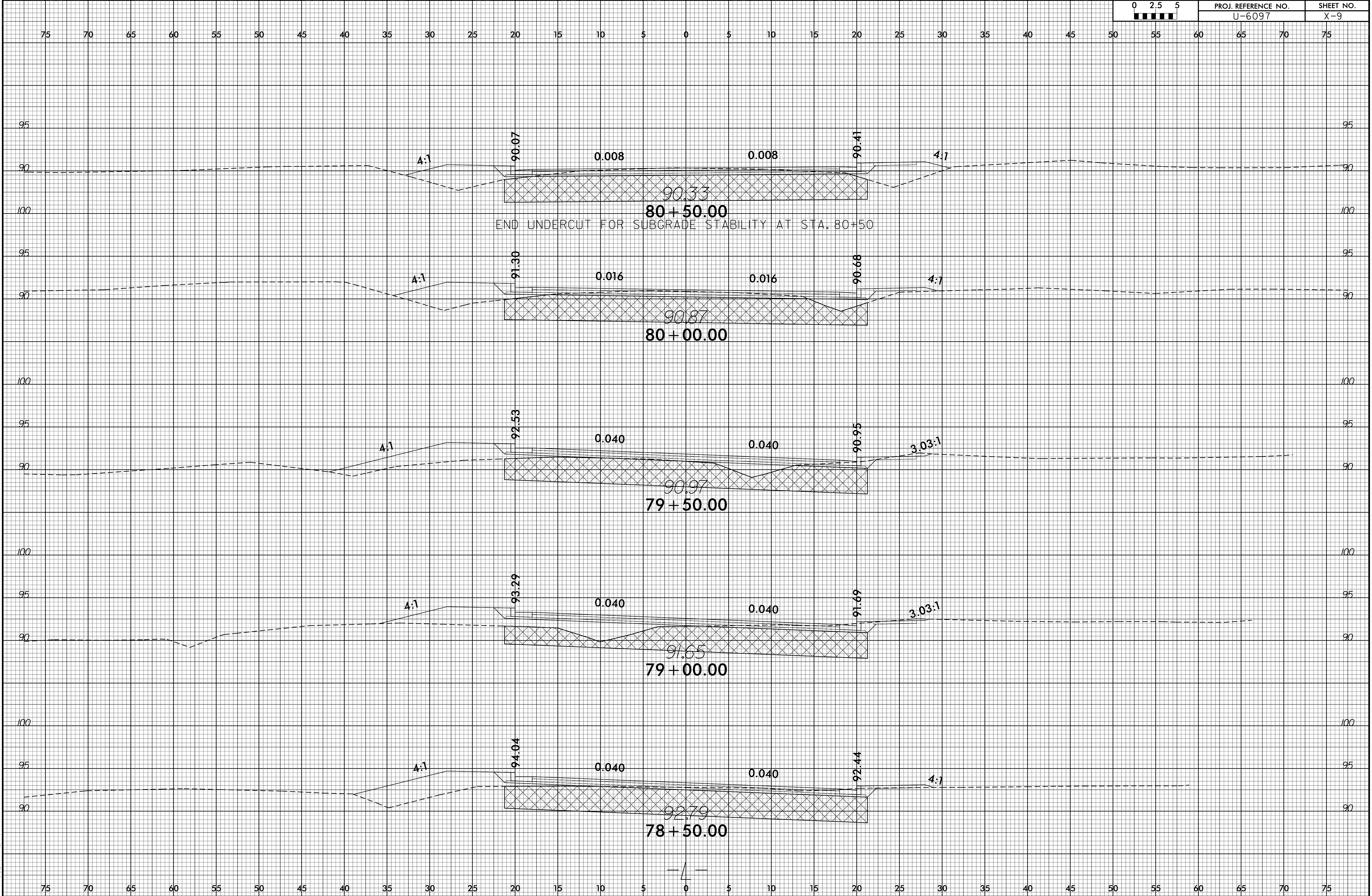


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6/23/16

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	U-6097	X-10

