

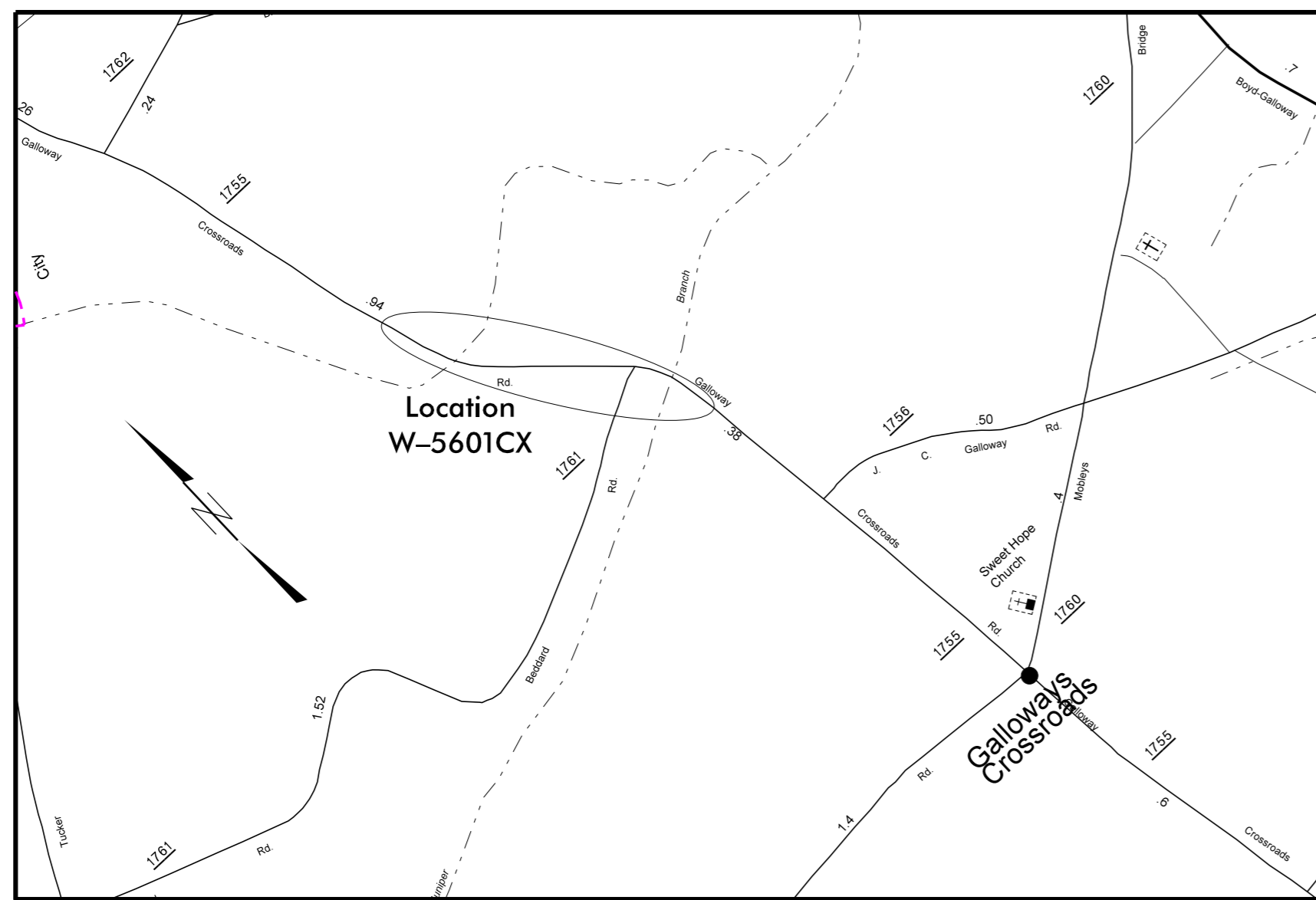
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W-5601CX	1	24
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
50138.1.103	HSIP-1755(010)	PE	
50138.2.103	HSIP-1755(010)	RW	
50138.3.103	HSIP-1755(010)	CONST	

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

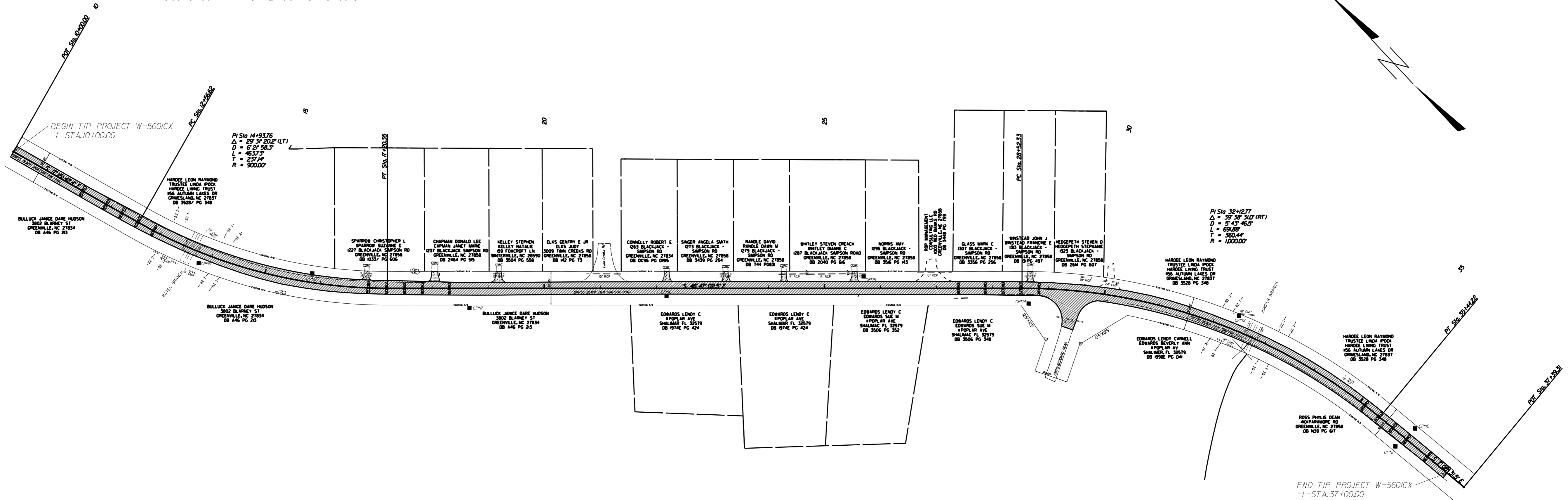
PITT COUNTY

**LOCATION: SR 1755 (BLACK JACK SIMPSON ROAD)
BETWEEN 0.2 MILE SOUTH AND 0.35 MILE
NORTH OF SR 1761 (BEDDARD ROAD)**

**TYPE OF WORK: SAFETY IMPROVEMENTS
GRADE, DRAIN AND PAVE**

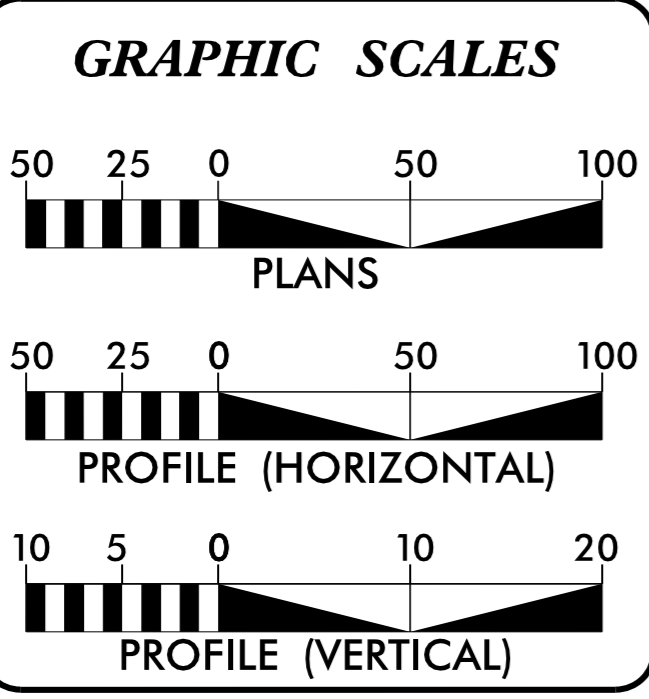


See Sheet 1A For Index of Sheets



TIP PROJECT: W-5601CX

CONTRACT: DB00355



PROJECT LENGTH

W-5601CX ROADWAY LENGTH = 0.516 MILE

Prepared in the Office of:
DIVISION OF HIGHWAYS
1704 North Greene St., Greenville NC, 27835

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: N/A

LETTING DATE: JUNE 2017

William C. Kincannon, PE
PROJECT ENGINEER

Rich Godley
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

Seal: WILLIAM C. KINCANNON, PE, SEAL 33793, 4/10/2017

ROADWAY DESIGN ENGINEER

Seal: WILLIAM C. KINCANNON, PE, SEAL 33793, 4/10/2017

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

07-APR-2017 22:29 G:\PROJECTS\PITT\SAFETY\36283.2.9\TwinCreeks\TwinCreeks_PSH.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
2	TYPICAL SECTIONS
3	SUMMARY OF QUANTITIES
3A	SUMMARY OF EARTHWORK
4-7	PLANSHEET
PMP1-PMP2	PAVEMENT MARKING SHEET
EC1-EC4	EROSION CONTROL SHEETS
X1A	CROSS SECTION SUMMARY
X1-X7	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:
GREENVILLE UTILITIES
CENTURYLINK
SUDDENLINK
EASTERN PINES WATER CORPORATION

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 3 - PIPE CULVERTS	
300.01	METHOD FOR PIPE INSTALLATION
DIVISION 5 - SUBGRADE, BASES AND SHOULDERS	
560.01	METHOD OF SHOULDER CONSTRUCTION - METHOD 1
DIVISION 11 - WORK ZONE TRAFFIC CONTROL	
1101.02	TEMPORARY LANE CLOSURES
DIVISION 12 - PAVEMENT MARKINGS, MARKERS AND DELINEATION	
1205.01	LINE TYPES OFFSETS
1205.04	INTERSECTIONS
DIVISION 16 - EROSION CONTROL AND ROADSIDE DEVELOPMENT	
1605.01	TEMPORARY SILT FENCE
1633.01	MATTING INSTALLATION

04/05/15

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	-----
Proposed Right of Way Line with Iron Pin and Cap Marker	-----
Proposed Right of Way Line with Concrete or Granite R/W Marker	-----
Proposed Control of Access Line with Concrete CA Marker	-----
Existing Control of Access	-----
Proposed Control of Access	-----
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

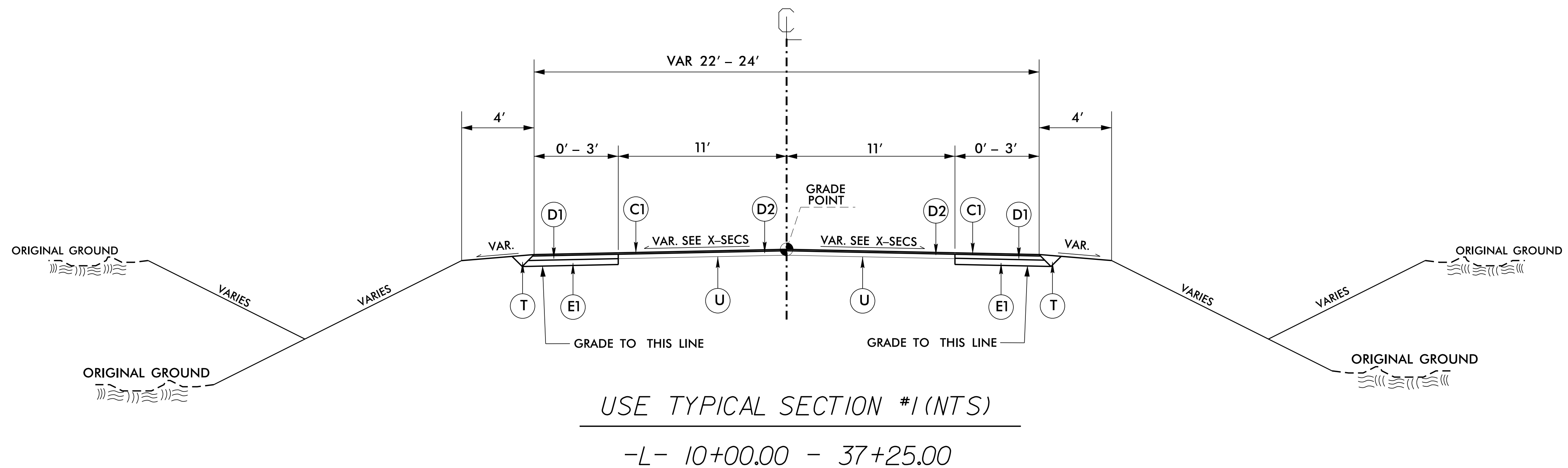
MISCELLANEOUS:

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.

C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
D1	PROP. APPROX. 3.0" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 399 LBS. PER SQ. YD.
D2	PROPOSED VARIABLE DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, TO BE PLACED IN LAYERS NOT LESS THAN 2.5" OR GREATER THAN 4" IN DEPTH.
E1	PROP. APPROX. 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.

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

REVISIONS



8/17/99

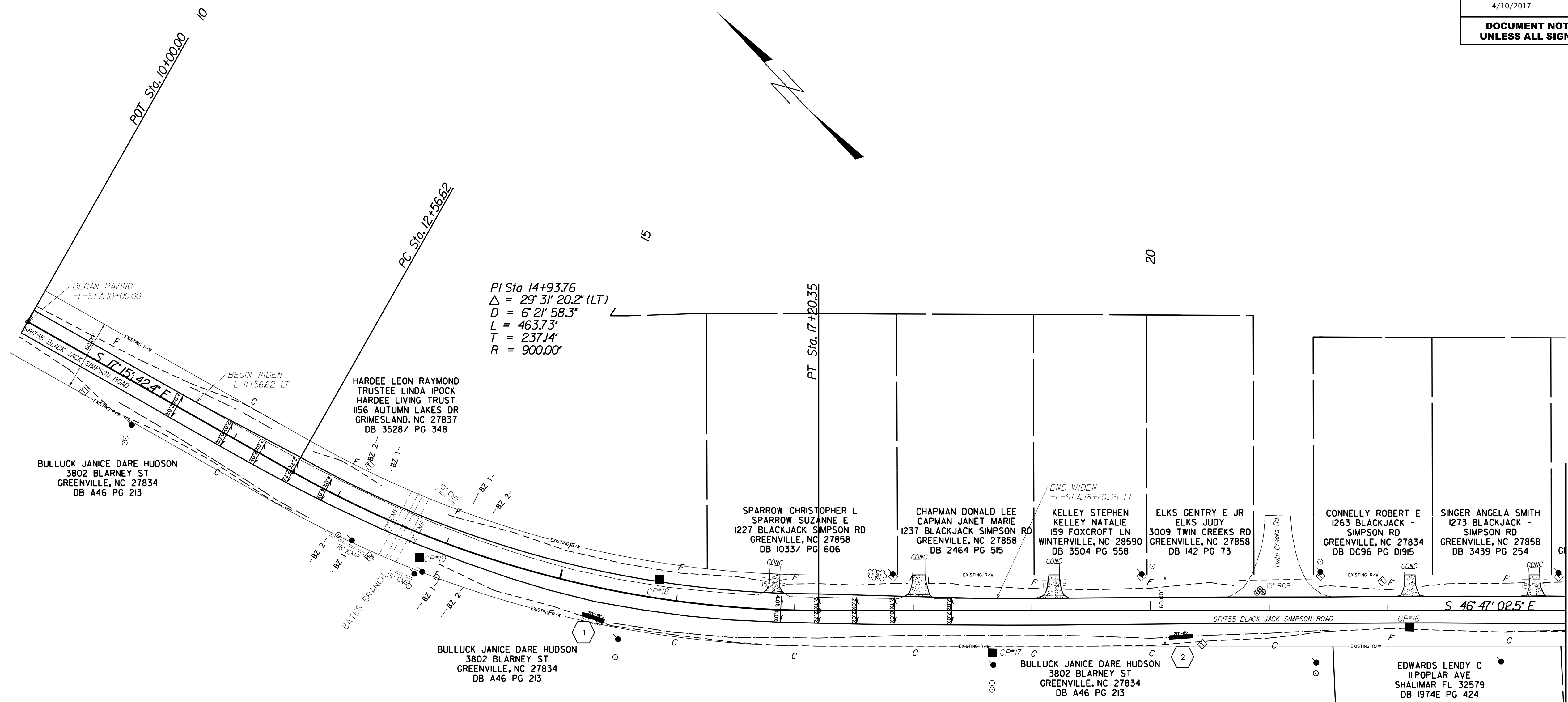
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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF QUANTITIES

SECT	QUANTITY	UNIT	ITEM DESCRIPTION
800	1	LS	MOBILIZATION
801	1	LS	CONSTRUCTION SURVEYING
226	1	LS	GRADING
230	1234	CY	BORROW EXCAVATION
300	20	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
310	70	LF	15' DRAINAGE PIPE
310	40	LF	18" DRAINAGE PIPE
340	98	LF	PIPE REMOVAL
SP	5	TON	*57 STONE
545	20	TON	INCIDENTAL STONE BASE
610	1530	TON	ASPHALT CONCRETE BASE COURSE, TYPE B25.0B
610	1080	TON	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B
610	620	TON	ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B
620	160	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG64-22
848	182	SY	6' CONCRETE DRIVEWAY
858	5	EA	ADJUSTMENT OF VALVES OR METERS
SP	72	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
SP	1	LS	TEMPORARY TRAFFIC CONTROL
1205	11047	LF	PAINT PAVEMENT MARKING LINES (4')
1205	16	LF	PAINT PAVEMENT MARKING LINE (24')
1605	310	LF	TEMPORARY SILT FENCE
1610	10	TON	STONE FOR EROSION CONTROL, CLASS B
1615	1.5	ACRE	TEMPORARY MULCHING
1620	75	LB	SEED FOR TEMPORARY SEEDING
1620	0.38	TON	FERTILIZER FOR TEMPORARY SEEDING
1631	4500	SY	MATTING FOR EROSION CONTROL
1632	50	LF	1/4" HARDWARE CLOTH
1660	1.5	ACRE	SEEDING AND MULCHING
1661	75	LB	SEED FOR REPAIR SEEDING
1661	0.3	TON	FERTILIZER FOR REPAIR SEEDING
SP	4	EA	RESPONSE FOR EROSION CONTROL
SP	150	LF	COIR FIBER WATTLE
SP	2	LB	POLYACRYLAMIDE

PROJECT REFERENCE NO. W-5601CX	SHEET NO. 4
R/W SHEET NO. N/A	
ROADWAY DESIGN ENGINEER 	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



Station	North	East	Description
-L-10+00.00	664071.6290	2514800.5570	CL POT
-L-12+56.62	663826.5679	2514876.7057	CL PC
-L-17+20.35	663437.7318	2515119.8937	CL PT
-L-28+52.33	662662.6092	2515944.8548	CL PC
-L-35+44.22	662058.1619	2516252.3455	CL PT
-L-37+39.31	661864.5777	2516276.6021	CL POT

Point	North	East	Elevation	Description
16	663086.6180	2515473.3180	45.30	CP#16
17	663311.5130	2515202.2100	43.04	CP#17
18	663548.7060	2515040.2620	33.32	CP#18
19	663700.8310	2514905.2300	33.86	CP#19

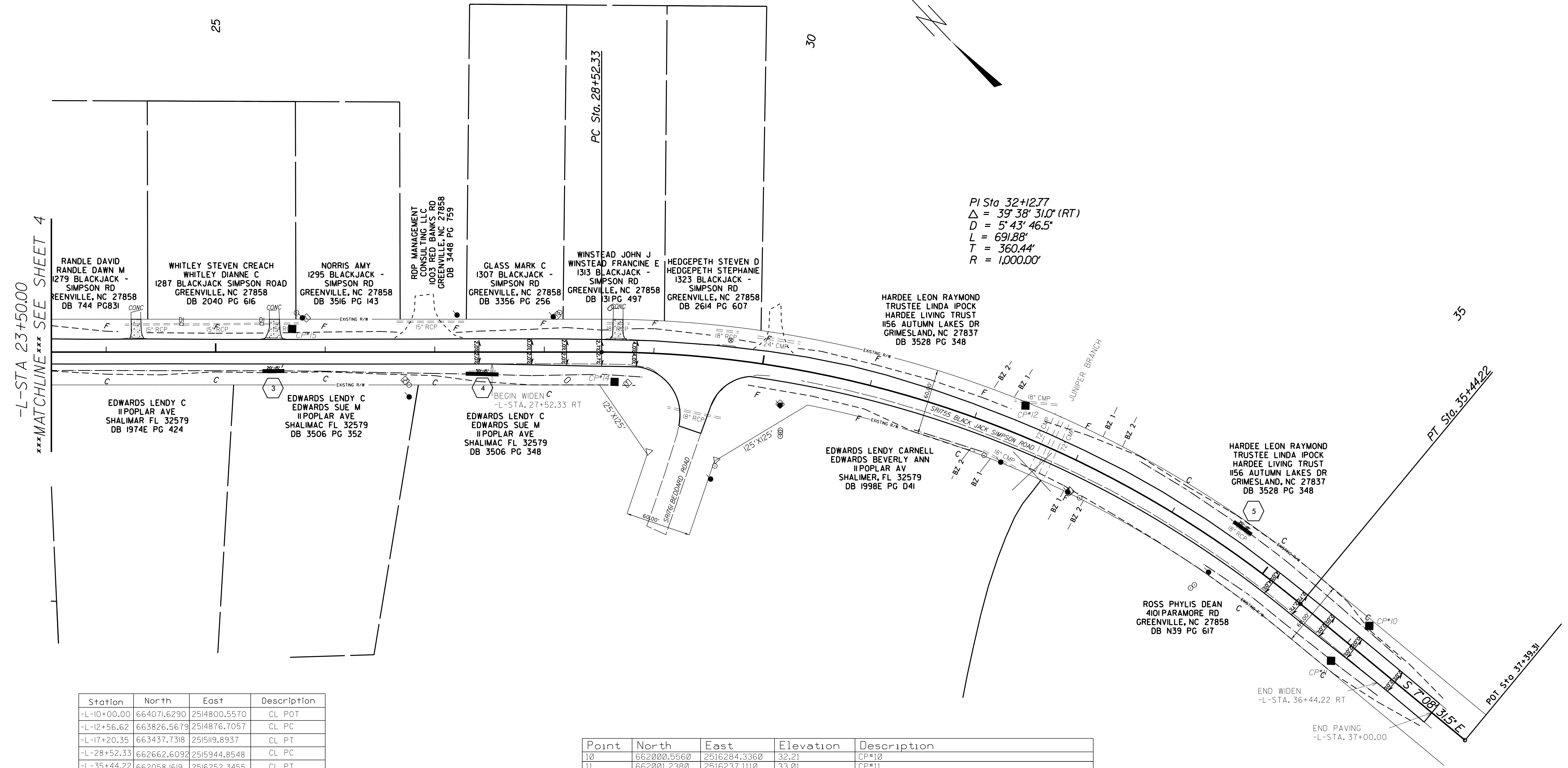
REVISIONS

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MATCHLINE SEE SHEET 5

-L- STA. 23+5000



PI Sta 32+12.77
 $\Delta = 39^{\circ} 38' 31.0''$ (RT)
 $D = 5' 43' 46.5''$
 $L = 691.88'$
 $T = 360.44'$
 $R = 1,000.00'$

Station	North	East	Description
-L-10+00.00	664071.6290	2514800.5570	CL POT
-L-12+56.62	663826.5679	2514876.7057	CL PC
-L-17+20.35	663437.7318	2515119.8937	CL PT
-L-28+52.33	662662.6092	2515944.8548	CL PC
-L-35+44.22	662058.1619	2516252.3455	CL PT
-L-37+39.31	661864.5777	2516276.6021	CL POT

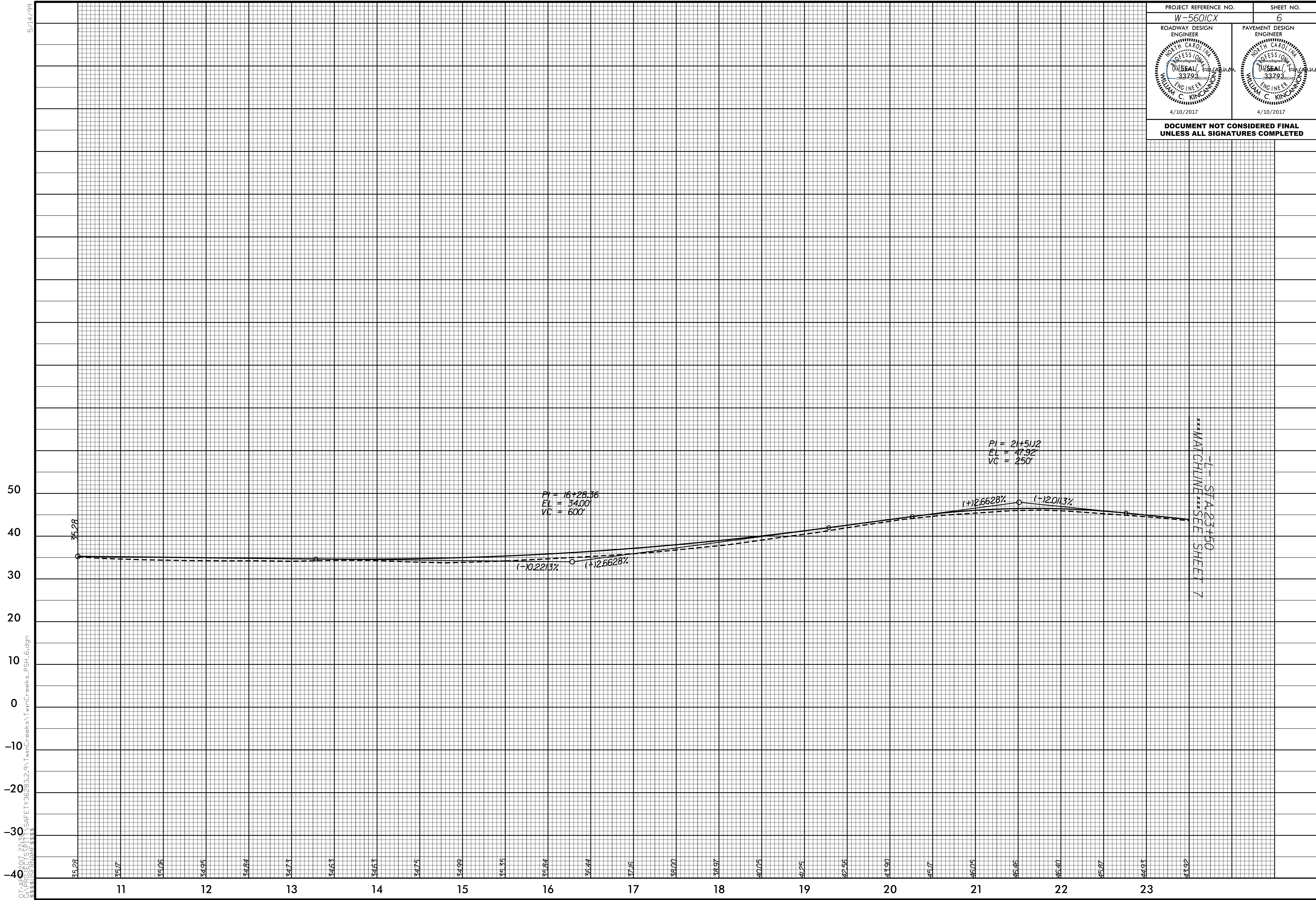
Point	North	East	Elevation	Description
10	662000.5560	2516284.3360	32.21	CP#10
11	662001.2380	2516237.1110	33.01	CP#11
12	662361.9660	2516193.3270	28.59	CP#12
14	662634.6760	2515934.7900	34.58	CP#14
15	662871.3750	2515753.4060	38.22	CP#15

REVISIONS

8/17/99

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 33851057ENWAVE\$\$\$\$

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UNLESS ALL SIGNATURES COMPLETED



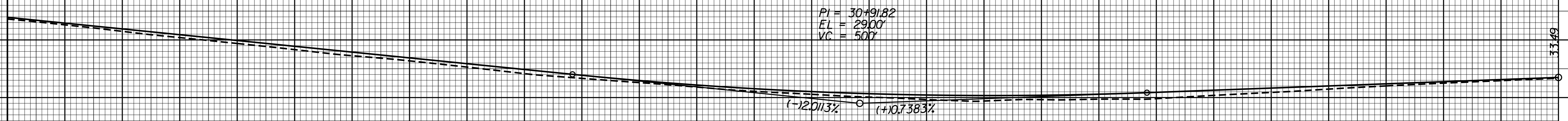
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PROJECT REFERENCE NO. W-5601CX	SHEET NO. 7
ROADWAY DESIGN ENGINEER UNSEAL 33793 WILLIAM C. KINCANNON 4/10/2017	PAVEMENT DESIGN ENGINEER UNSEAL 33793 WILLIAM C. KINCANNON 4/10/2017

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MATCHLINE SEE SHEET 6
-L- STA. 23+50

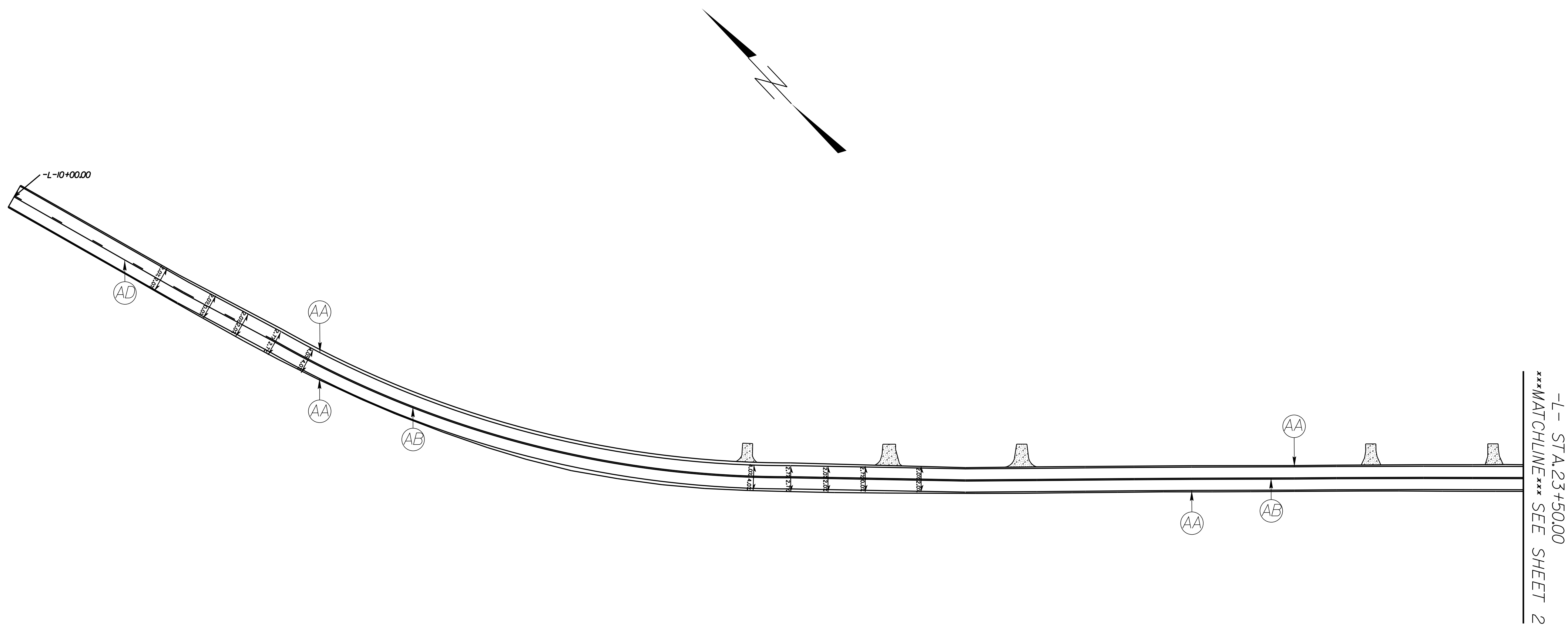


43.92 42.91 41.91 40.90 39.90 38.89 37.89 36.88 35.87 34.87 33.87 32.95 32.17 31.53 31.05 30.67 30.44 30.35 30.40 30.59 30.91 31.28 31.64 32.01 32.38 32.75 33.12 33.49

24 25 26 27 28 29 30 31 32 33 34 35 36 37

8/17/99

REVISIONS



-L- STA. 23+50.00
MATCHLINE SEE SHEET 2

NOTE

PAINT MARKINGS AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, NCDOT ROADWAY STANDARD DRAWINGS, AND THE CURRENT EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). QUANTITIES FOR THESE ITEMS HAVE BEEN ACCOUNTED FOR IN THE CONTRACT BID FORM. ALL EDGE LINES SHALL BE 2' OFF EOP.

PAVEMENT MARKING SCHEDULE

PAVEMENT MARKING LINES

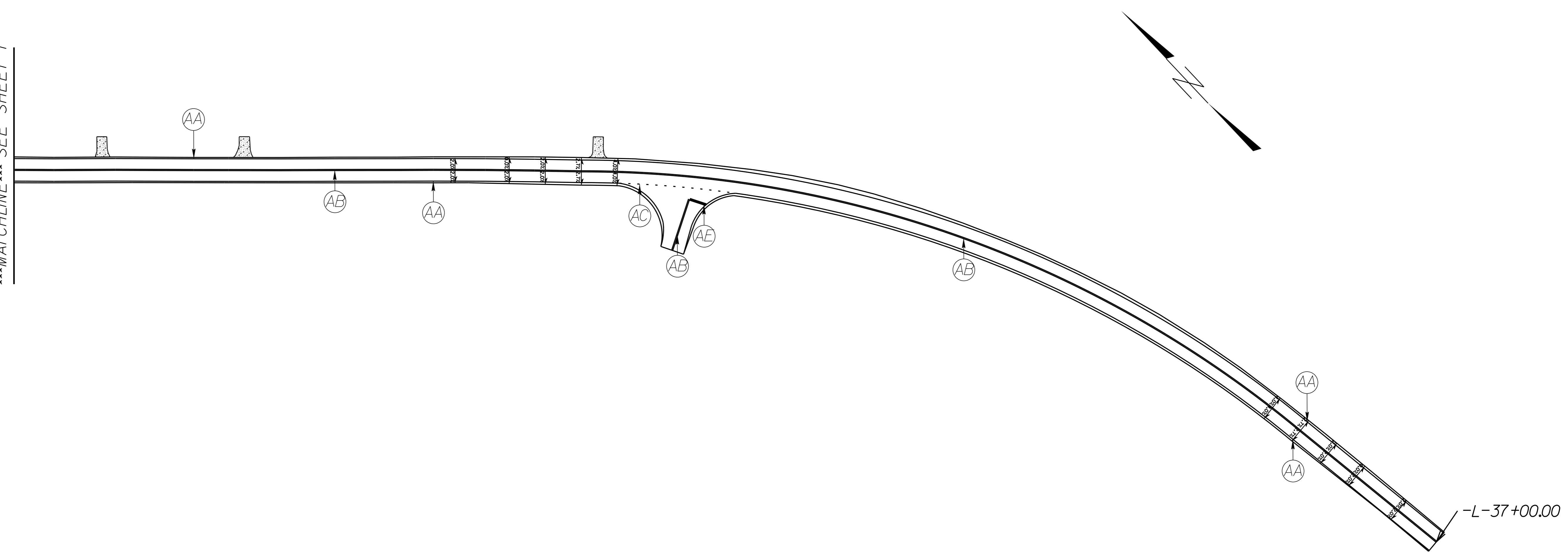
AA	- PAINT PAVEMENT MARKING (4" WHITE) EDGE LINE
AB	- PAINT PAVEMENT MARKING (4" YELLOW) SOLID DOUBLE YELLOW
AC	- PAINT PAVEMENT MARKING (4" WHITE) 6' MINI SKIP
AD	- PAINT PAVEMENT MARKING (4" YELLOW) SOLID YELLOW SKIP

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REVISIONS

-L- STA.23+50.00
MATCHLINE SEE SHEET 1



NOTE

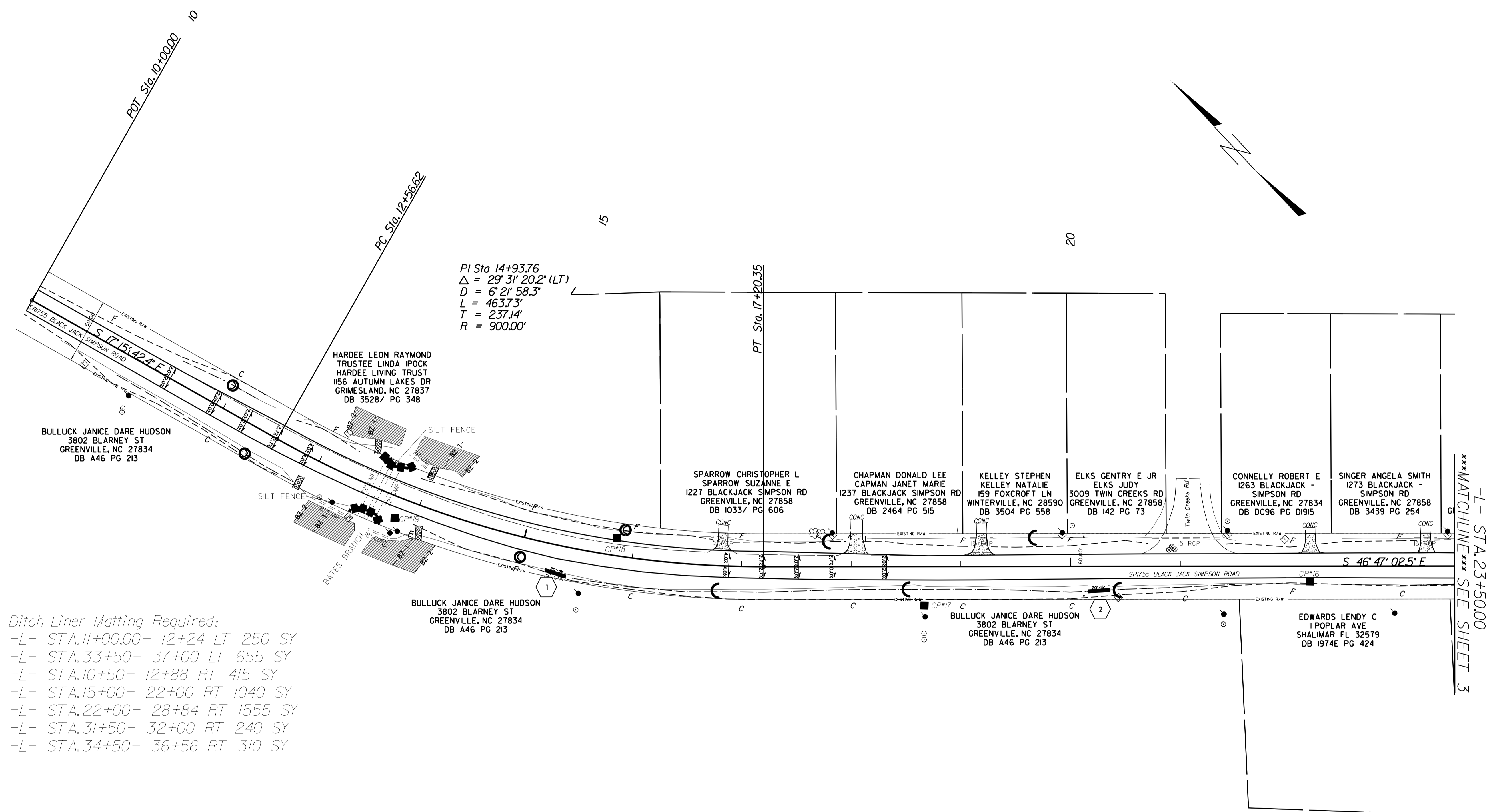
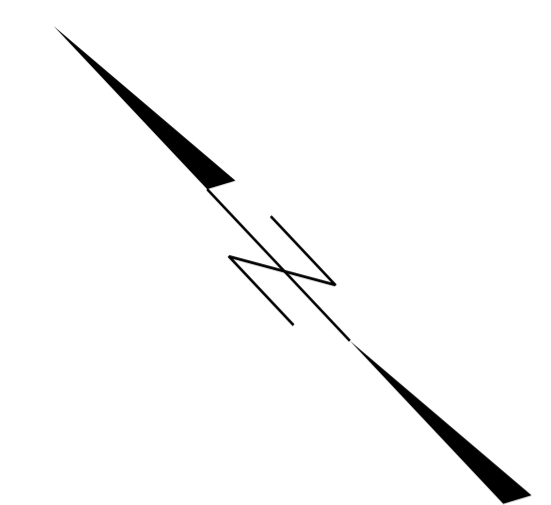
PAINT MARKINGS AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, NCDOT ROADWAY STANDARD DRAWINGS, AND THE CURRENT EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). QUANTITIES FOR THESE ITEMS HAVE BEEN ACCOUNTED FOR IN THE CONTRACT BID FORM. ALL EDGE LINES SHALL BE 2' OFF EOP.

PAVEMENT MARKING SCHEDULE

PAVEMENT MARKING LINES

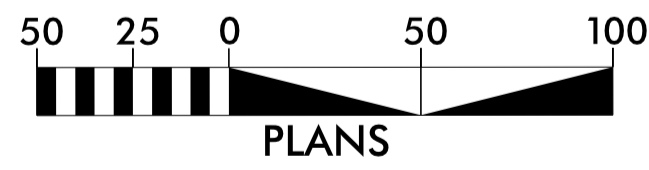
AA	- PAINT PAVEMENT MARKING (4" WHITE) EDGE LINE
AB	- PAINT PAVEMENT MARKING (4" YELLOW) SOLID DOUBLE YELLOW
AC	- PAINT PAVEMENT MARKING (4" WHITE) 6' MINI SKIP
AD	- PAINT PAVEMENT MARKING (4" YELLOW) SOLID YELLOW SKIP
AE	- PAINT PAVEMENT MARKING (24" WHITE) STOP BAR

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 \$\$\$\$\$\$SYTIME\$\$\$\$\$\$



PI Sta 14+93.76
 $\Delta = 29^\circ 31' 20.2''$ (LT)
 $D = 6' 21' 58.3''$
 $L = 463.73'$
 $T = 237.14'$
 $R = 900.00'$

Ditch Liner Matting Required:
 -L- STA.11+00.00- 12+24 LT 250 SY
 -L- STA.33+50- 37+00 LT 655 SY
 -L- STA.10+50- 12+88 RT 415 SY
 -L- STA.15+00- 22+00 RT 1040 SY
 -L- STA.22+00- 28+84 RT 1555 SY
 -L- STA.31+50- 32+00 RT 240 SY
 -L- STA.34+50- 36+56 RT 310 SY



SOIL STABILIZATION TIMEFRAMES

SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HOW) 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 HOW ZONES.

Std. #	Description	Symbol
1605.01	Temporary Silt Fence
1632.03	Rock Inlet Sediment Trap Type C	
SP	Wattle with Polyacrylamide	
SP	Wattle	
	Ditch Flow Line>>>.....

NOTE: THE CONTRACTOR SHALL INSTALL WATTLES IN LOW AREAS OF SILT FENCE AS NEEDED OR AS DIRECTED BY THE ENGINEER.

NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.
 ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.
 CONTRACTOR SHALL INSTALL SPECIAL SEDIMENT CONTROL FENCE OR WATTLES IN LOW AREAS OF SILT FENCE AS NEEDED OR DIRECTED BY THE ENGINEER.

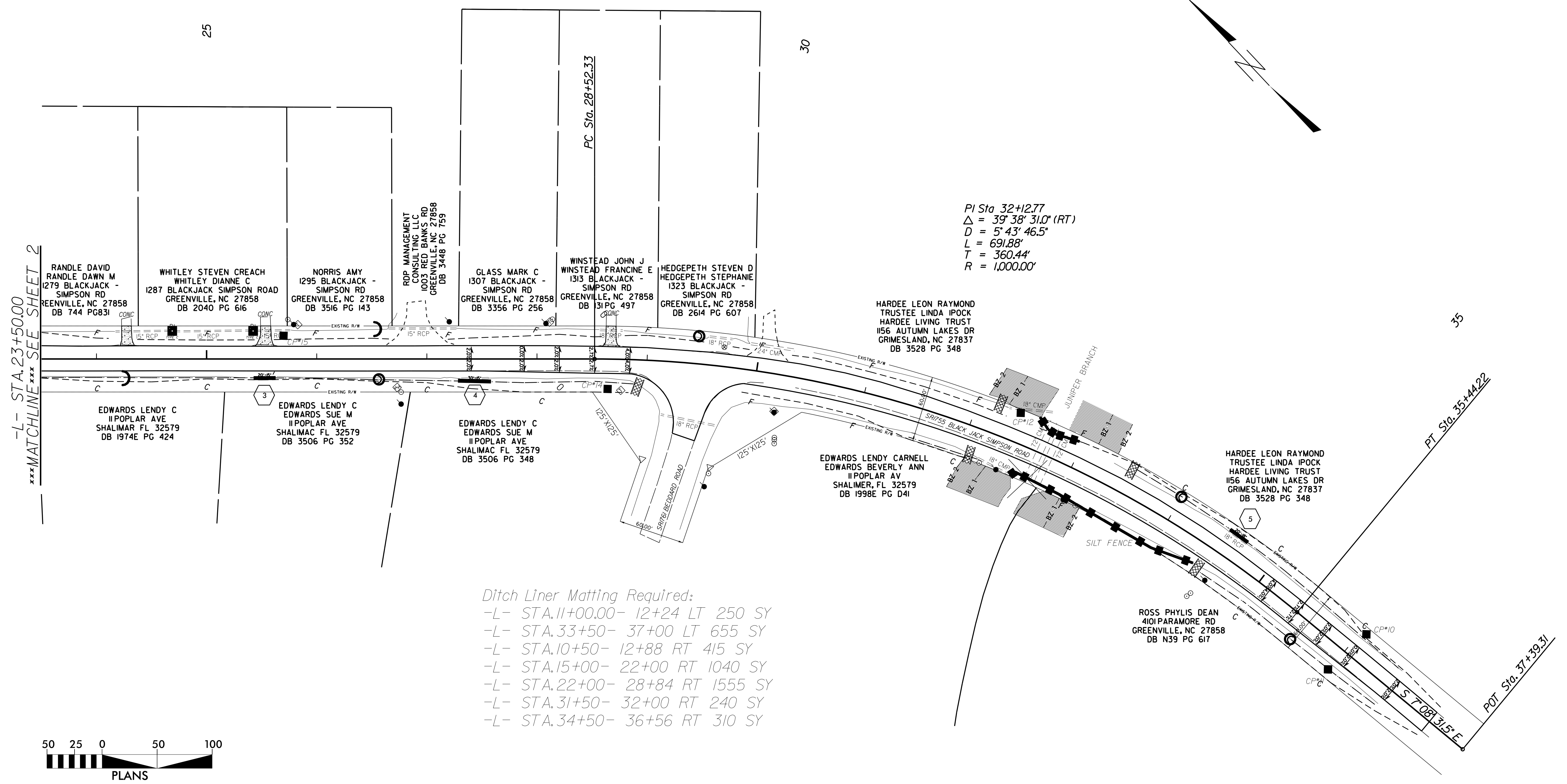
MATCHLINE SEE SHEET 3
 -L- STA.23+50.00

REVISIONS

8/17/99
 07-APR-2017 09:23:31 T:\SAFETY\36283.2.9\TwinCreeks\TwinCreeks_EC2.dgn

8/17/99

REVISIONS



PI Sta 32+12.77
 $\Delta = 39^{\circ} 38' 31.0''$ (RT)
 $D = 5' 43' 46.5''$
 $L = 691.88'$
 $T = 360.44'$
 $R = 1,000.00'$

Ditch Liner Matting Required:
 -L- STA.11+00.00- 12+24 LT 250 SY
 -L- STA.33+50- 37+00 LT 655 SY
 -L- STA.10+50- 12+88 RT 415 SY
 -L- STA.15+00- 22+00 RT 1040 SY
 -L- STA.22+00- 28+84 RT 1555 SY
 -L- STA.31+50- 32+00 RT 240 SY
 -L- STA.34+50- 36+56 RT 310 SY



SOIL STABILIZATION TIMEFRAMES		
SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HOW) 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 HOW ZONES.

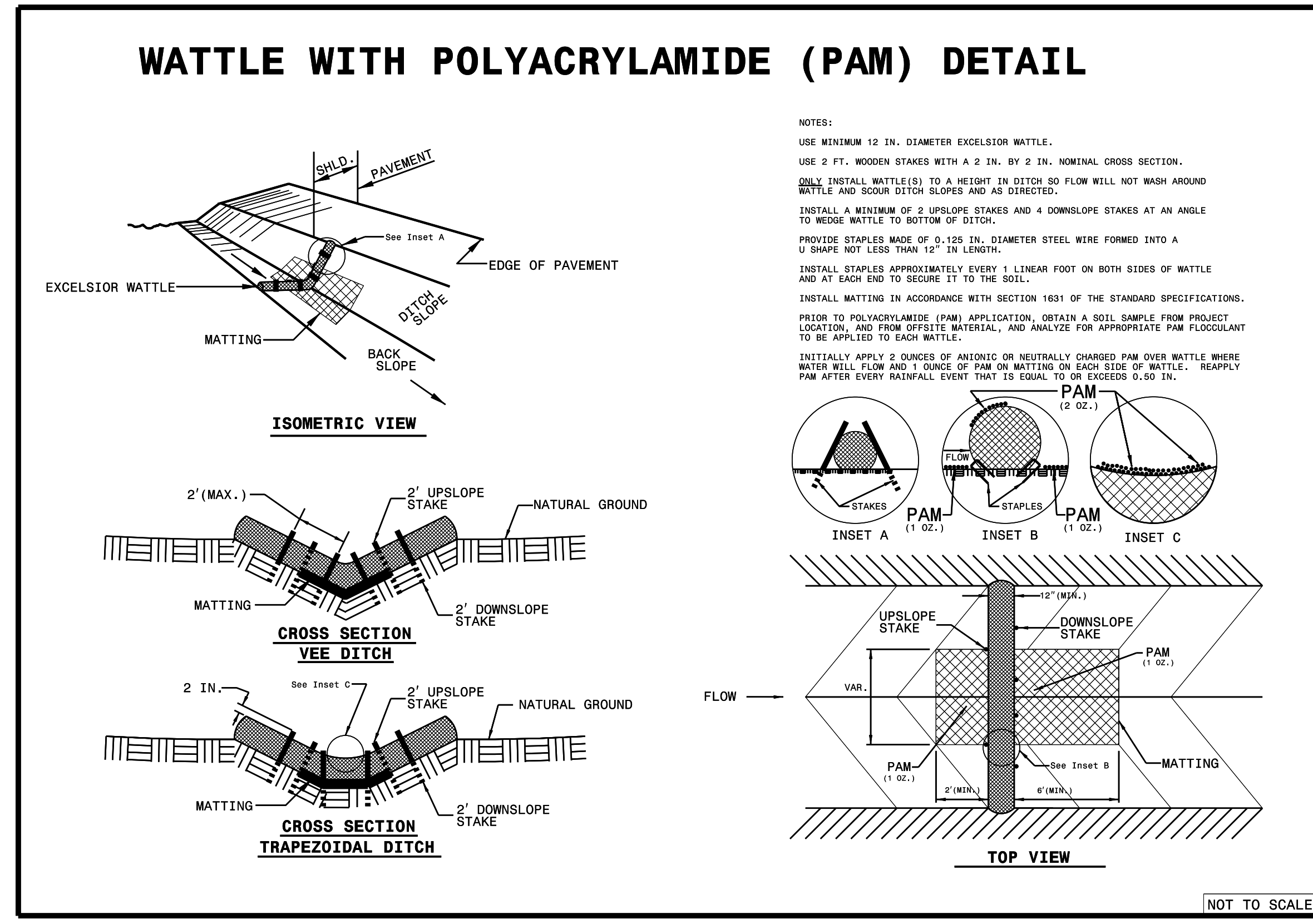
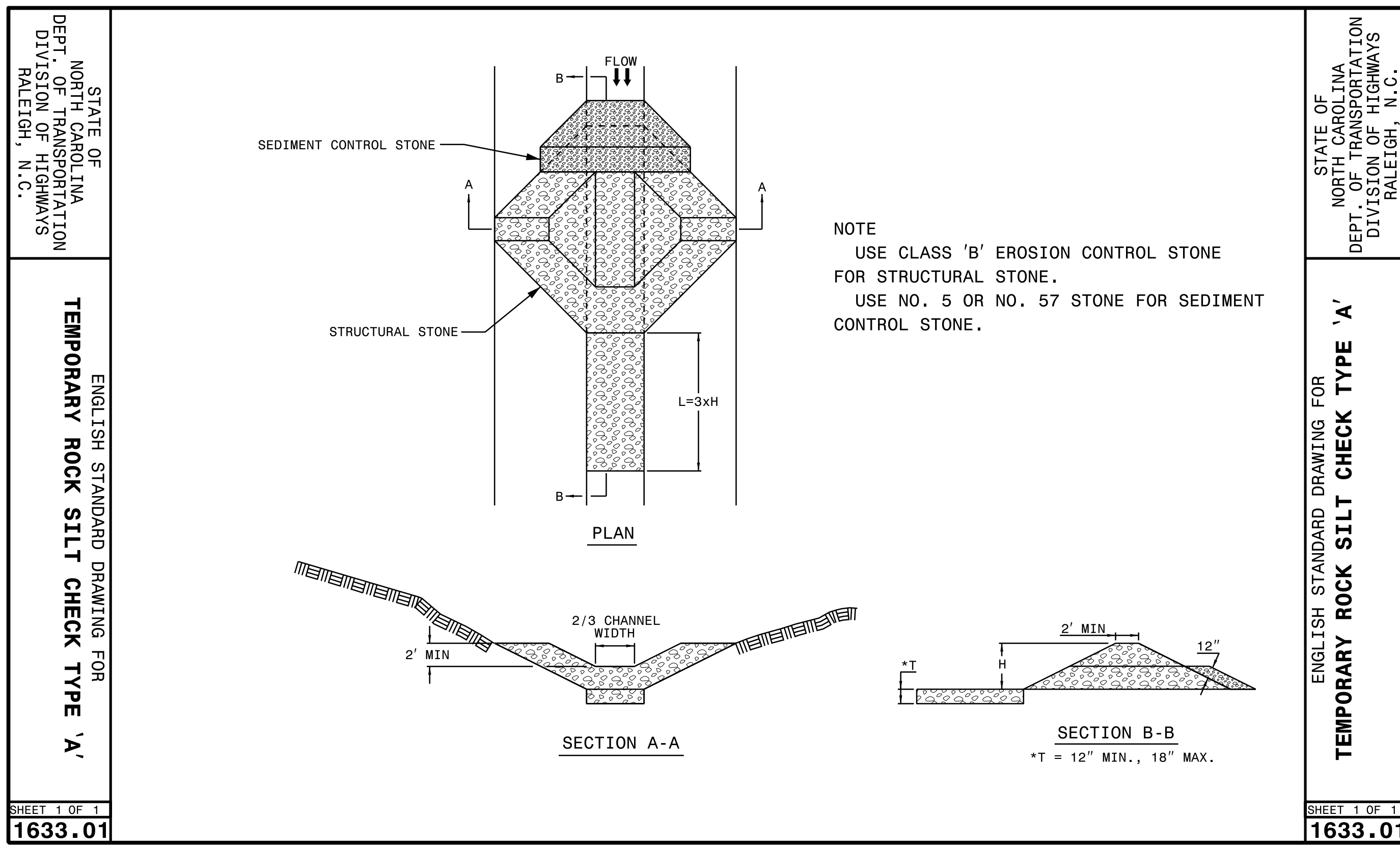
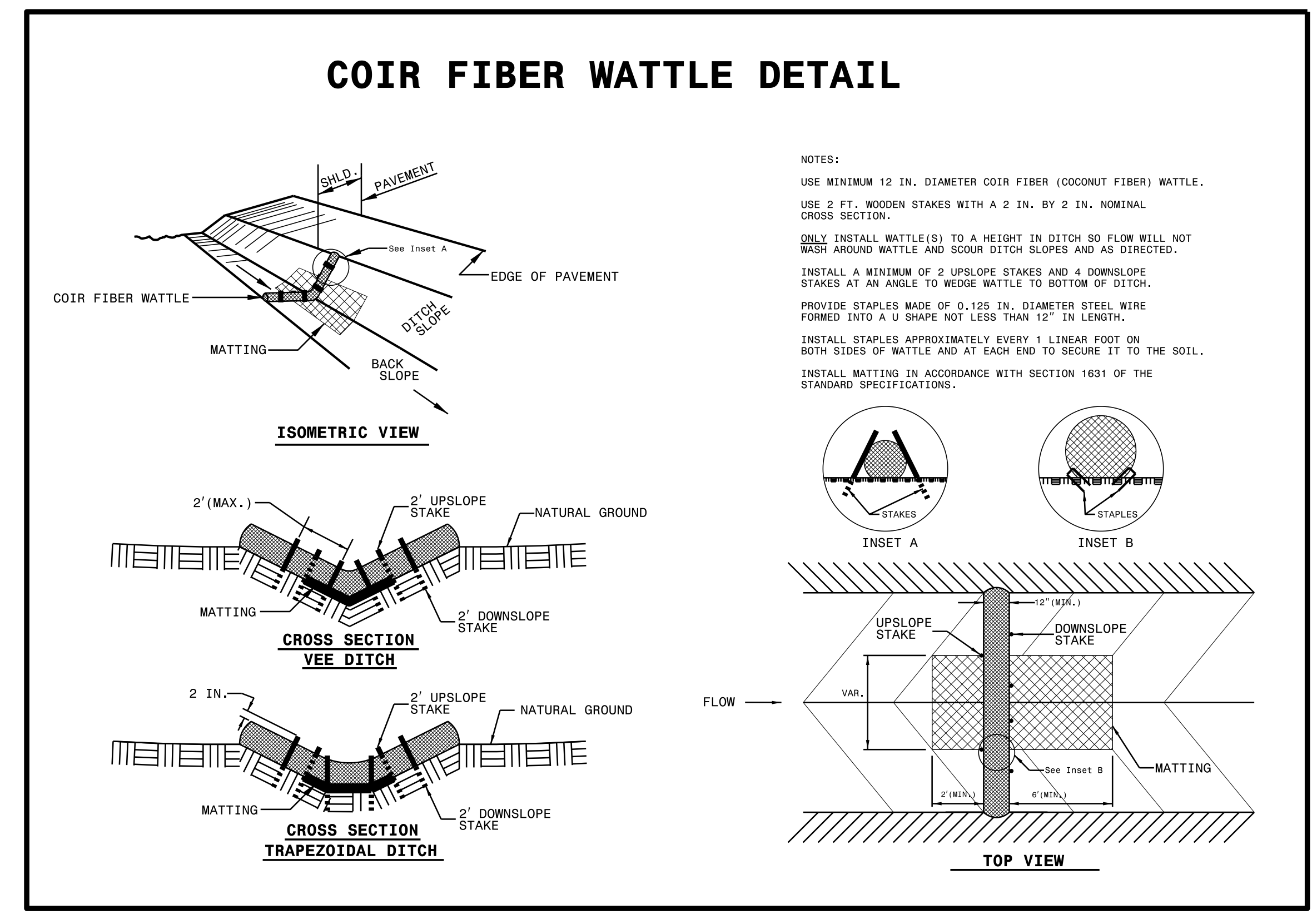
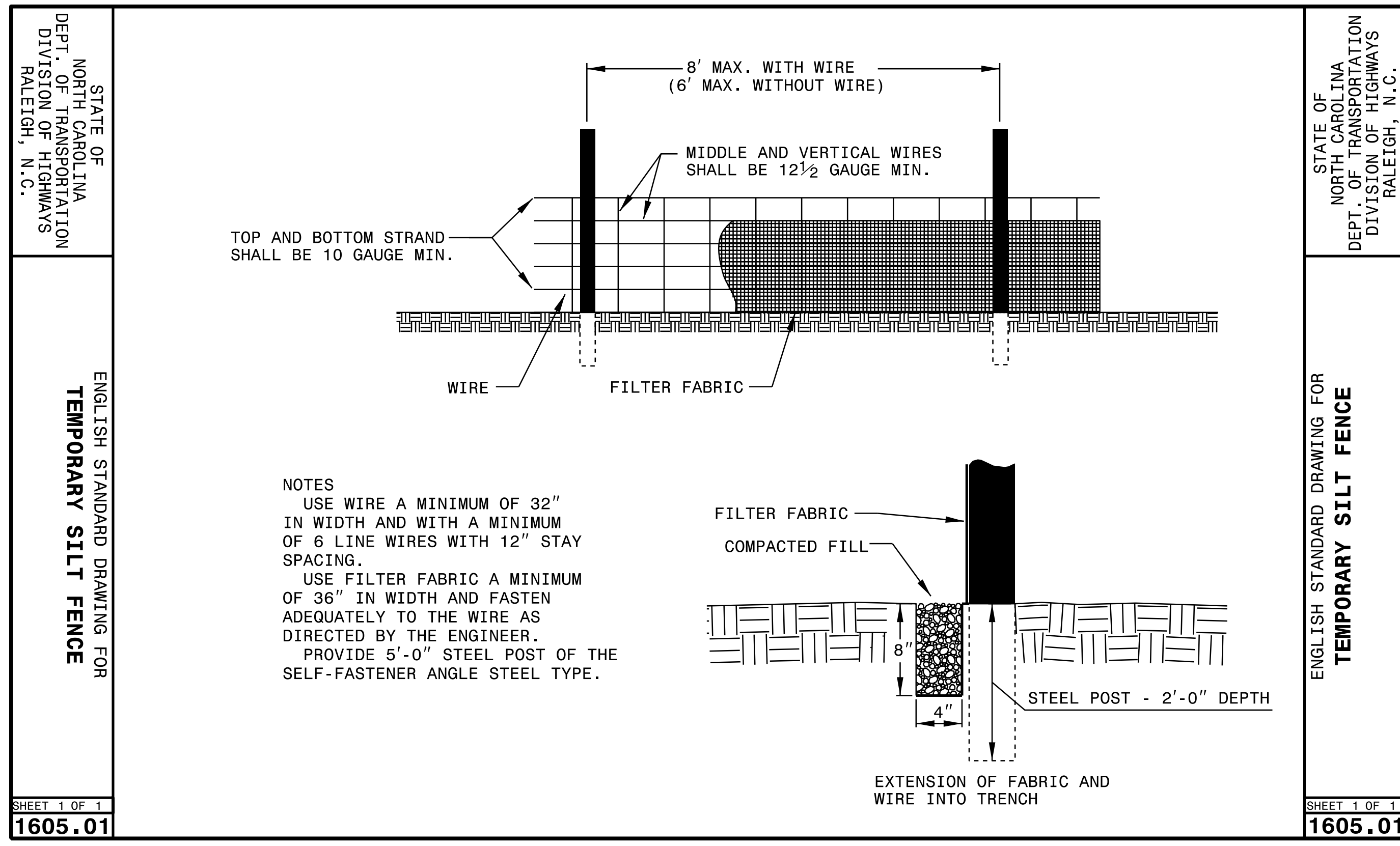
Std. #	Description	Symbol
1605.01	Temporary Silt Fence
1632.03	Rock Inlet Sediment Trap Type C	□
SP	Wattle with Polyacrylamide	⊖
SP	Wattle	⊕
	Ditch Flow Line	→→→

NOTE: THE CONTRACTOR SHALL INSTALL WATTLES IN LOW AREAS OF SILT FENCE AS NEEDED OR AS DIRECTED BY THE ENGINEER.

NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.
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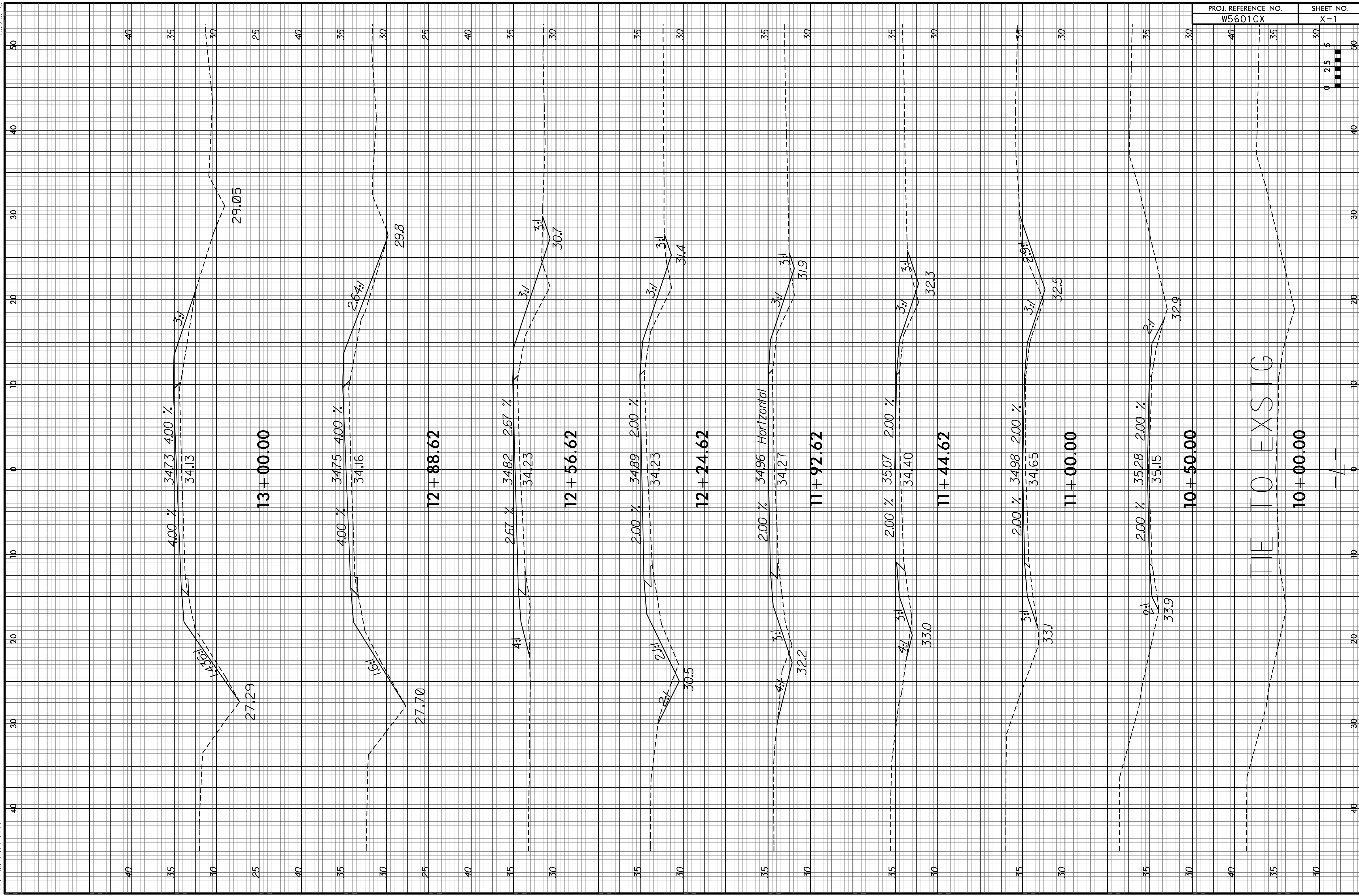
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REVISIONS

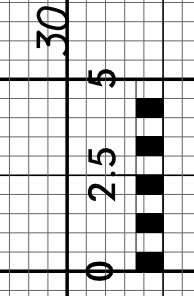
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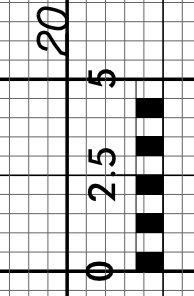
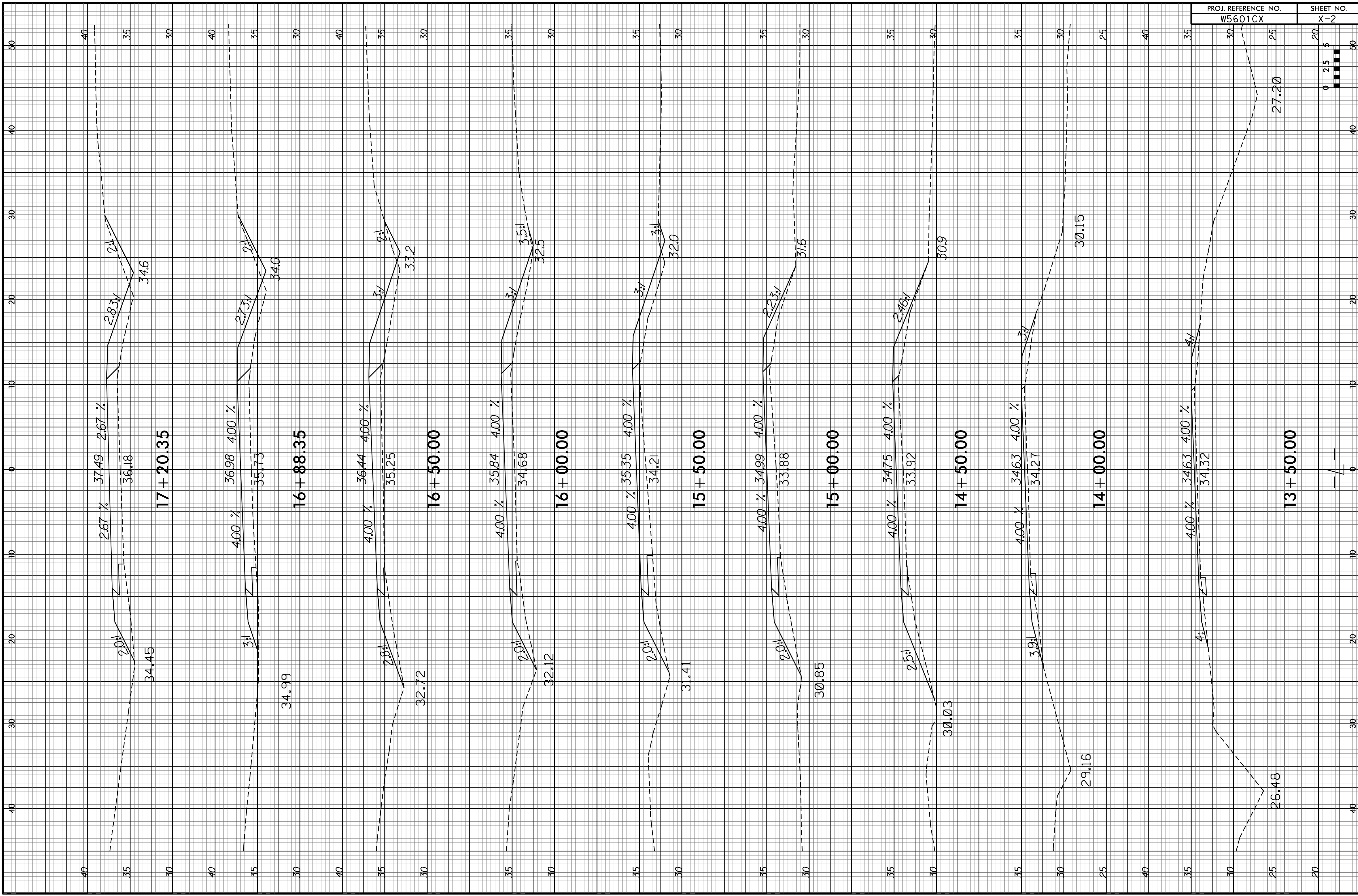
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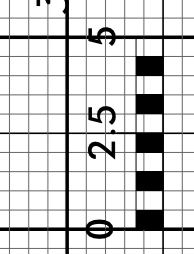
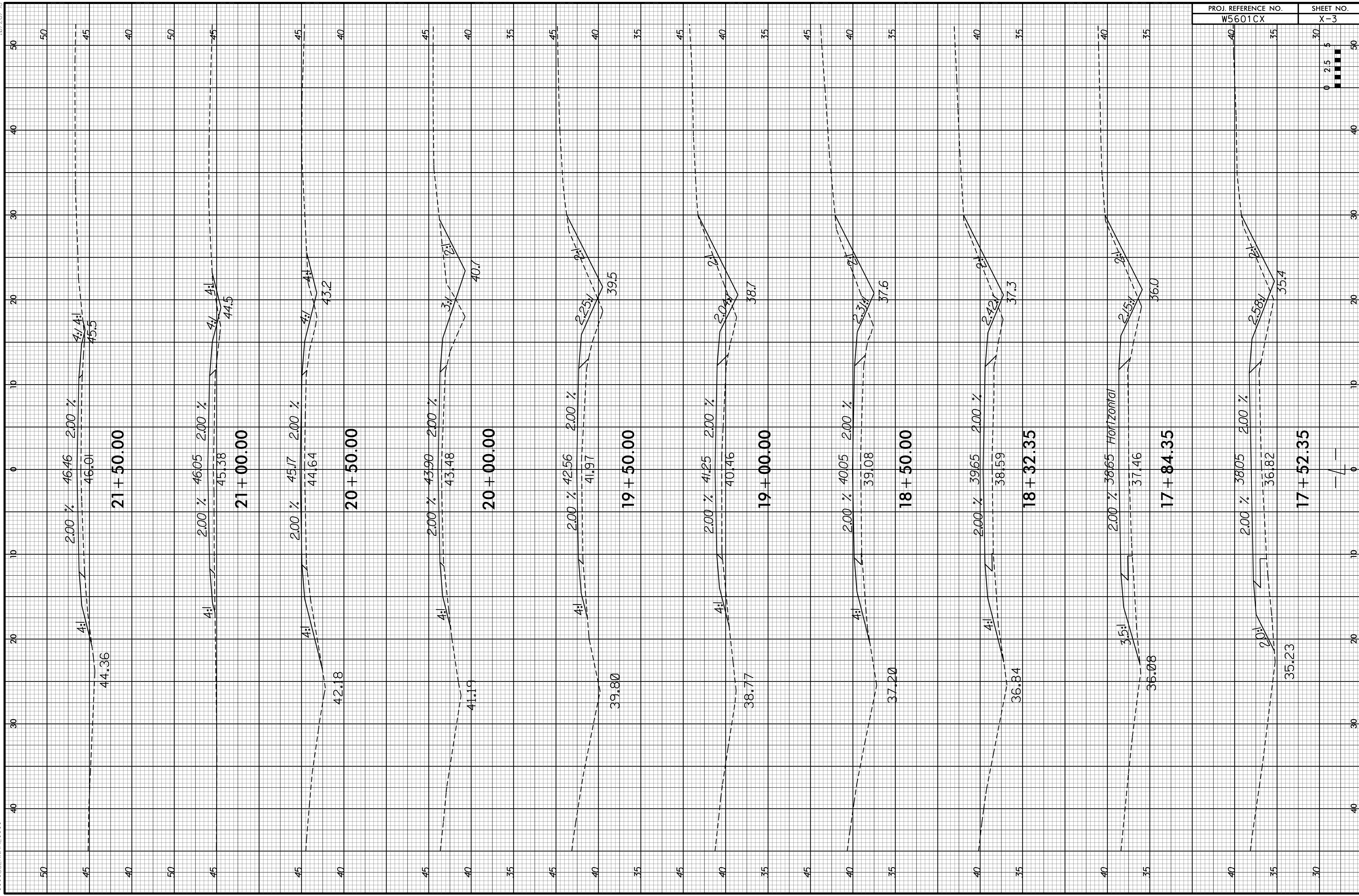


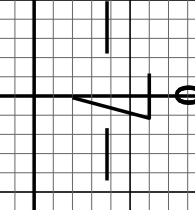
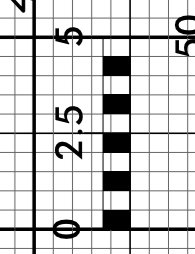
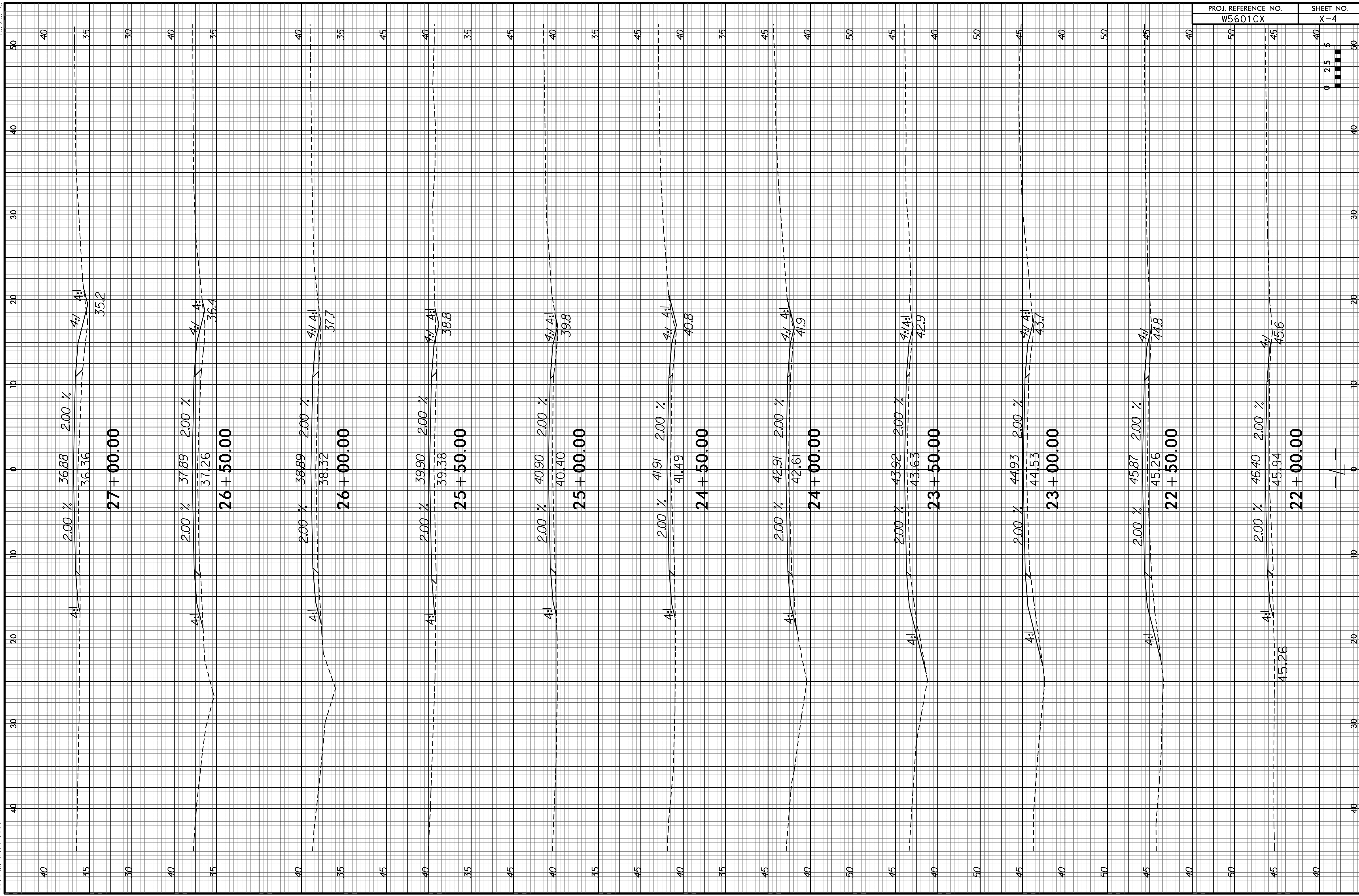
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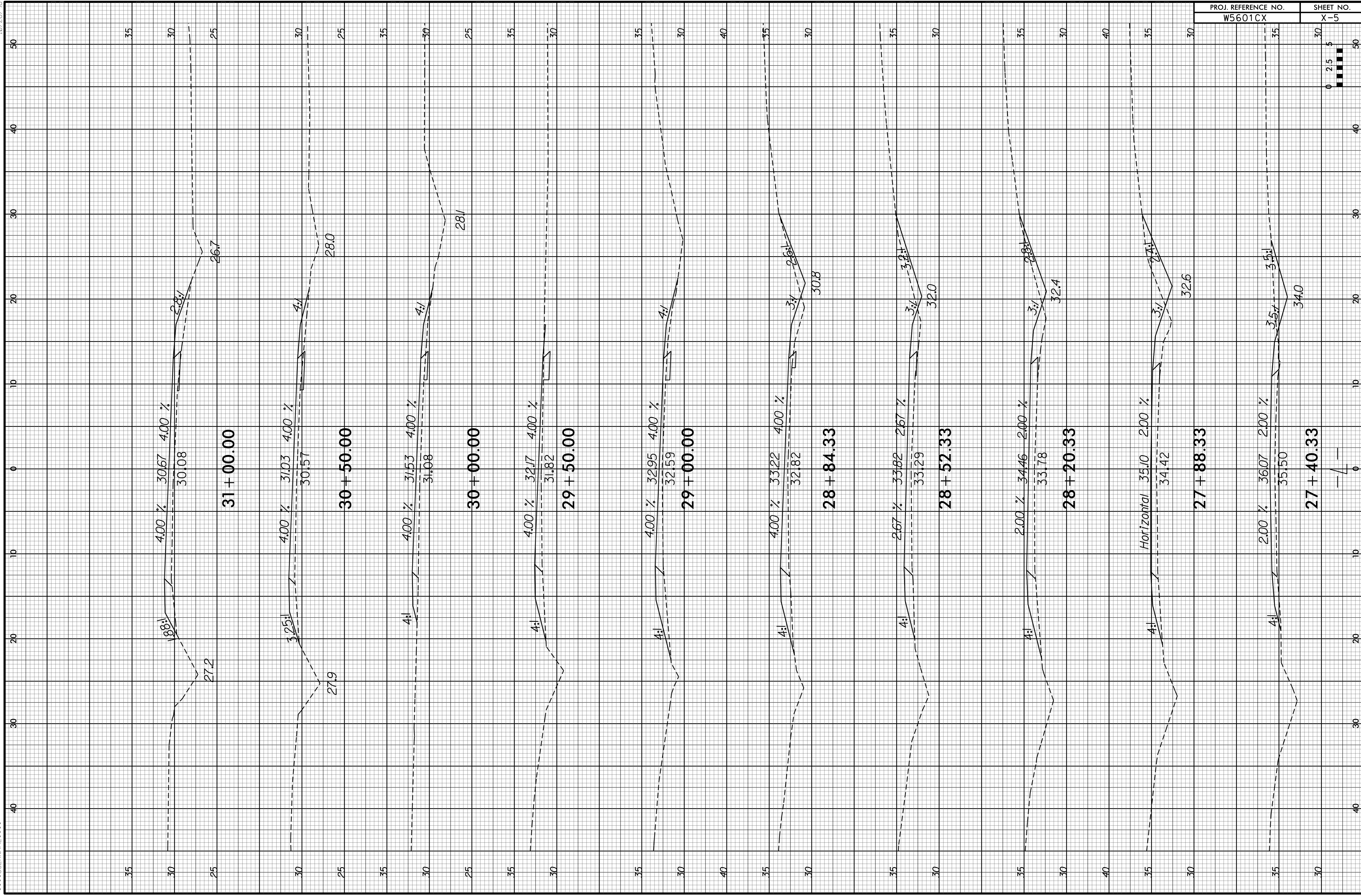
TIE TO EXSTG

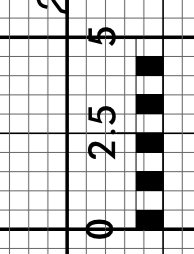
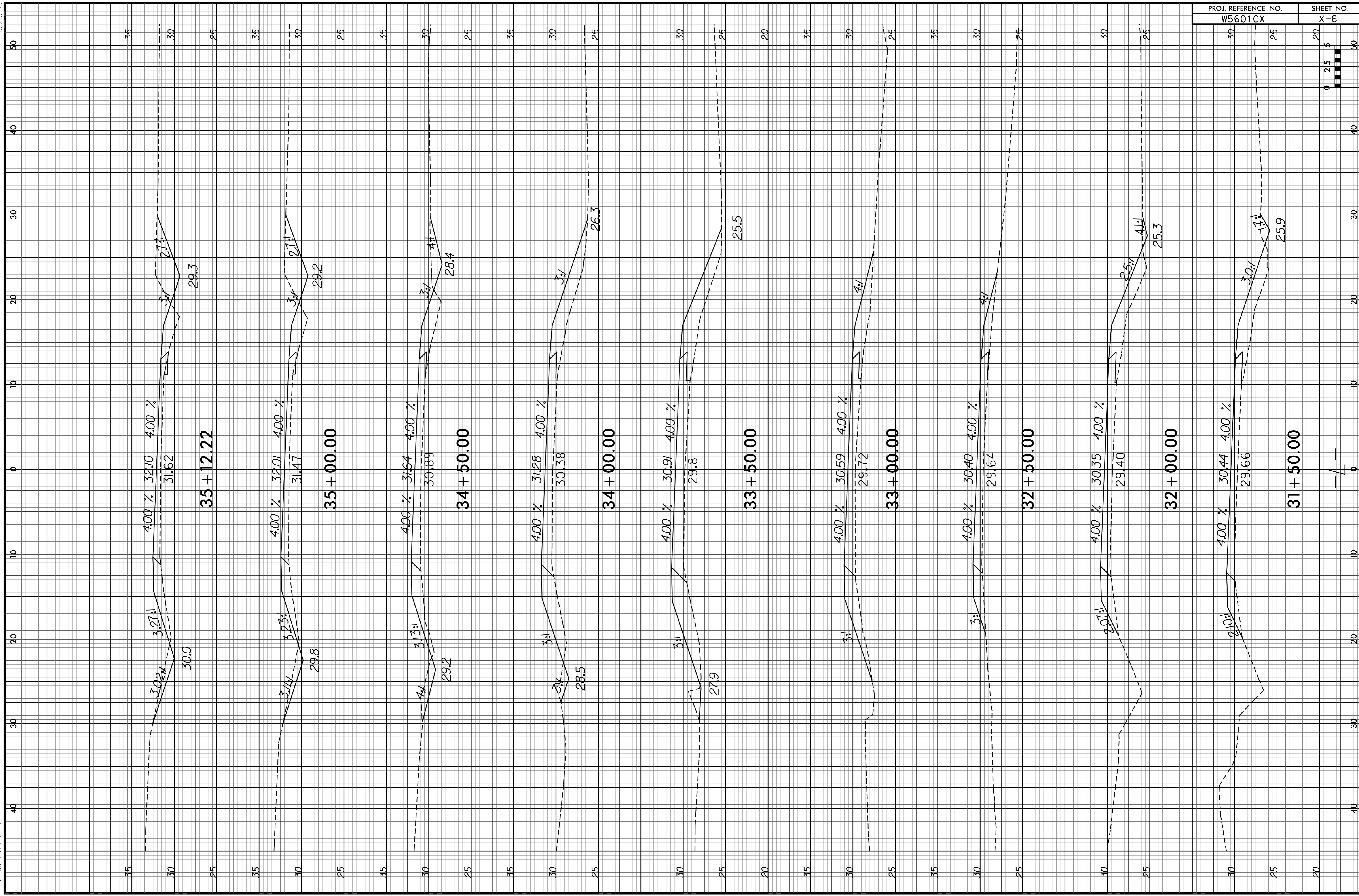


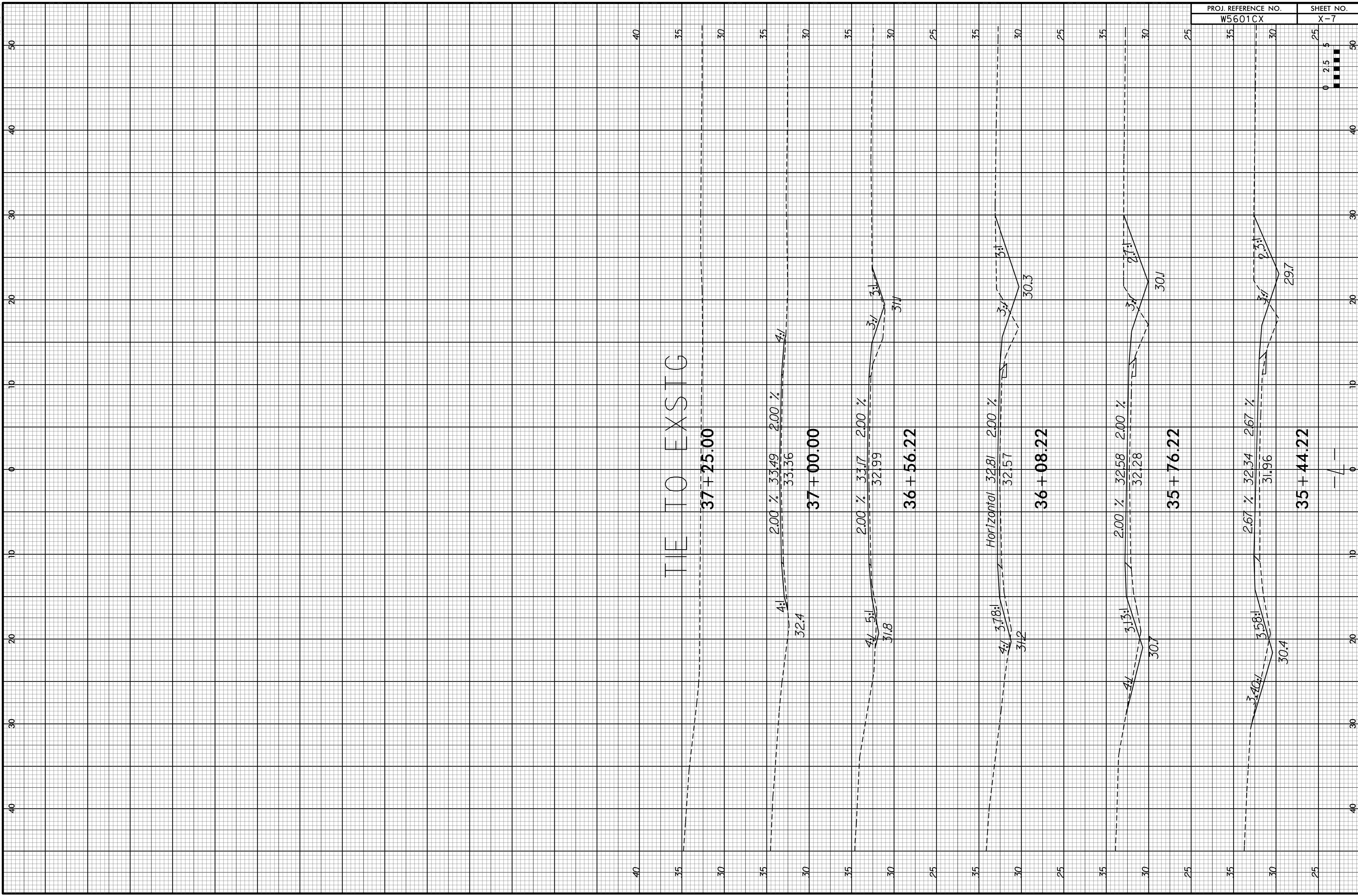












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TIE TO EXSTG

37 + 25.00

2.00 % 33.49 2.00 % 4:1

37 + 00.00

2.00 % 33.17 2.00 % 3:1 3:1

36 + 56.22

Horizontal 32.81 2.00 % 3:1 3:1

36 + 08.22

2.00 % 32.58 2.00 % 3:1 2.7:1

35 + 76.22

2.67 % 32.34 2.67 % 3:1 2.3:1

35 + 44.22

