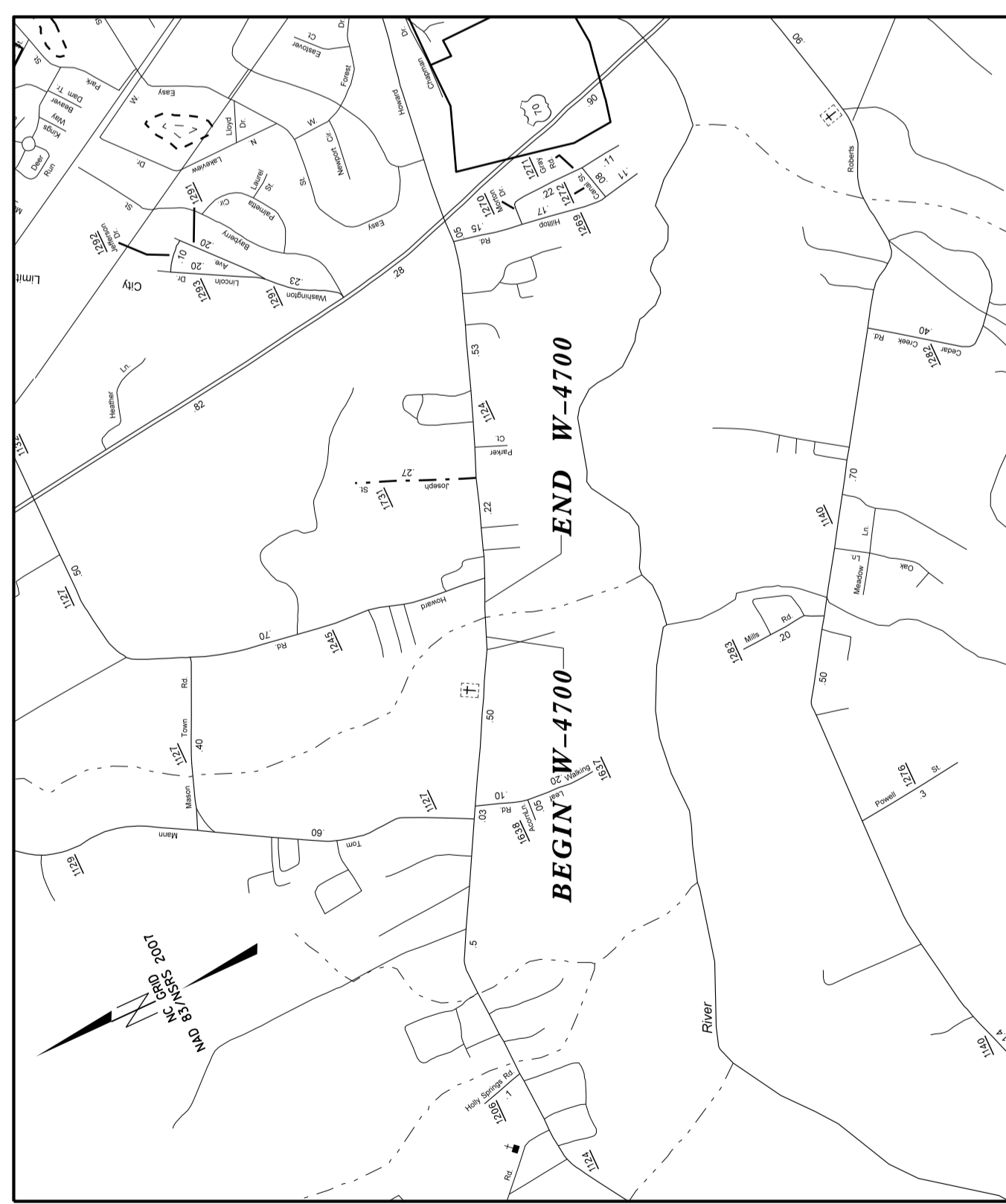
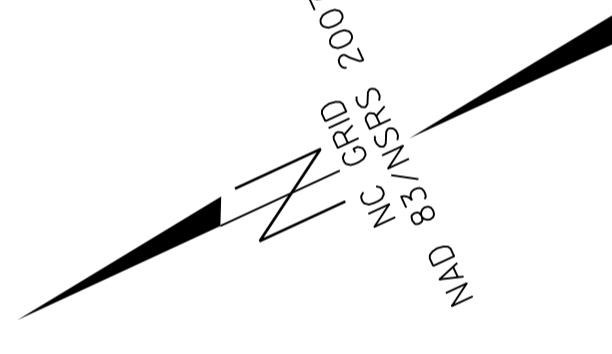


CONTRACT: TIP PROJECT: W-4700 A

TIP PROJECT: W-4700 A

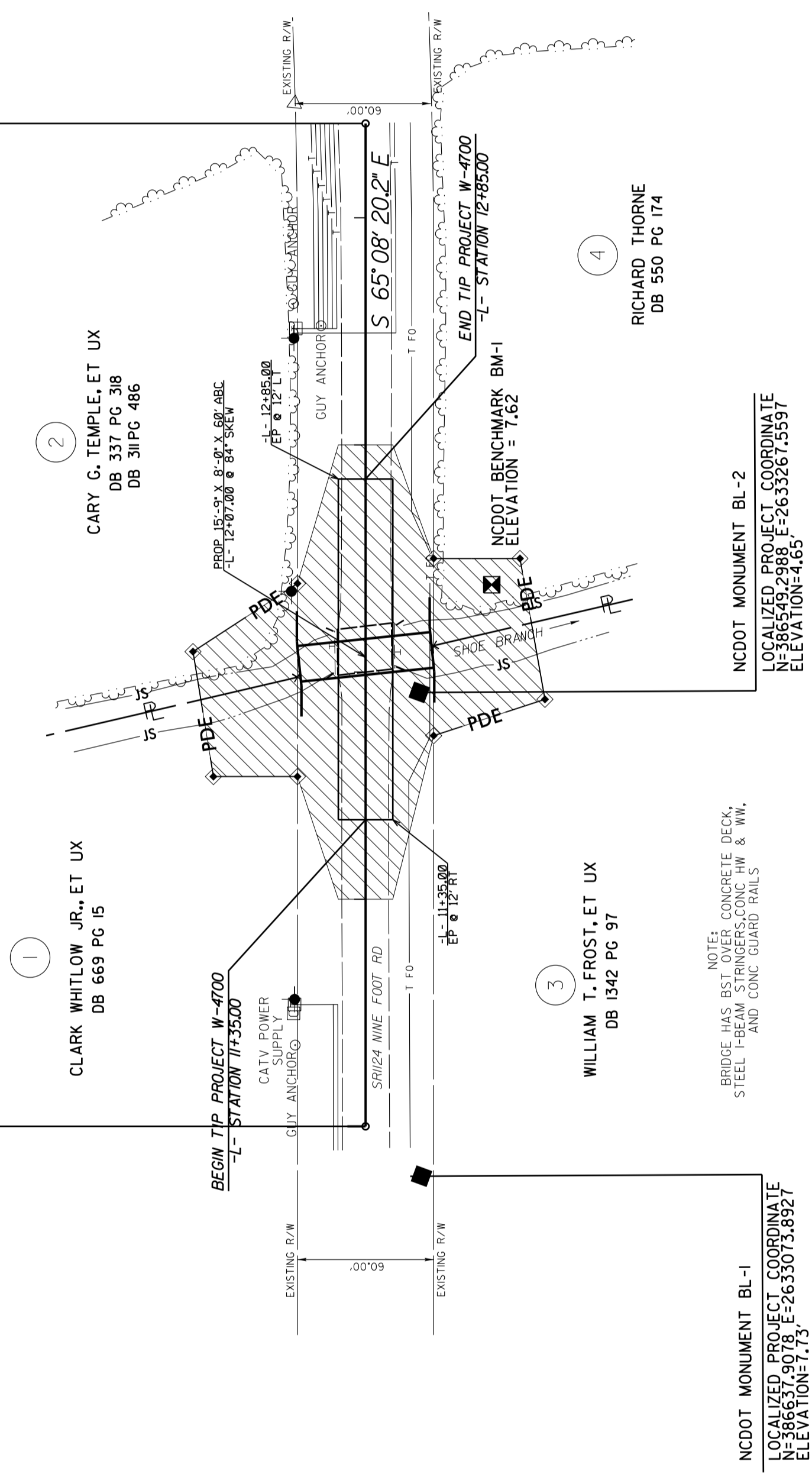


See Sheet 1-A For Index of Sheets



POT Sta. 10+00.00 10

POT Sta. 14+41.15



NOTE:
BRIDGE HAS BEST OVER CONCRETE DECK,
STEEL I-BEAM STRINGERS, CONC HW & WW,
AND CONC GUARD RAILS

NCDOT MONUMENT GPS-2
LOCALIZED PROJECT COORDINATE
ELEVATION=9.30

NCDOT MONUMENT BL-1
LOCALIZED PROJECT COORDINATE
ELEVATION=7.73

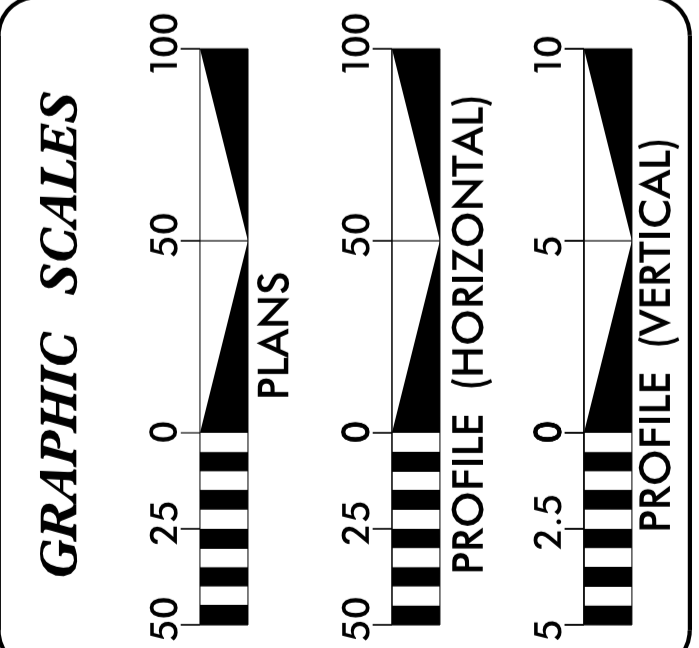
NCDOT MONUMENT BL-2
LOCALIZED PROJECT COORDINATE
ELEVATION=4.65

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS CARTERET COUNTY

LOCATION: BRIDGE #76 ON SR 1124(NINE FOOT ROAD)

**TYPE OF WORK: REMOVE EXISTING BRIDGE AND REPLACE
WITH 1 @ 15'-9" X 8'-0" ALUMINUM BOX
CULVERT**

STATE	N.C.	STATE PROJECT REFERENCE NO.	W-4700 A	SHEET NO.	1	TOTAL SHEETS	
STATE PROJ. NO.	37720.1.1	F.A. PROJ. NO.	STP-1124(6)	DESCRIPTION	PE		
	37720.2.1		STP-1124(6)		RWUTIL		
	37720.3.1		STP-1124(6)		CONST		



DESIGN DATA	
ADT 2012 =	4700
ADT 2037 =	5640
DHV =	10 %
D =	60 %
T =	6 %
V =	60 MPH
TTST =	1% DUAL 2% SUB-REGIONAL TIER

PROJECT LENGTH

TIP PROJECT W-4700A LENGTH = 0.028 MILES

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

2012 STANDARD SPECIFICATIONS	RIGHT OF WAY DATE: NOVEMBER 2012	PROJECT ENGINEER DWAYNE ALLIGOOD
	LETTING DATE: MARCH 2013	PROJECT DESIGN ENGINEER LANG JONES

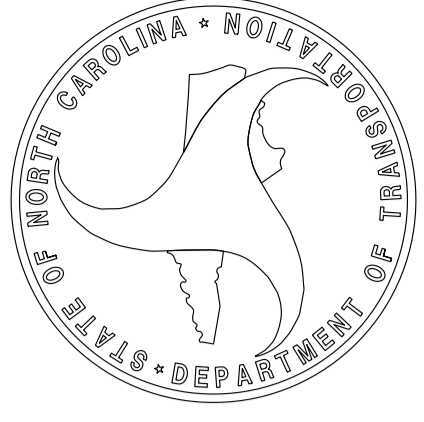
HYDRAULICS ENGINEER

Professional Seal: DWAYNE H. ALLIGOOD, PE, No. 16710, Exp. 03/07/2013

ROADWAY DESIGN ENGINEER

Professional Seal: DWAYNE H. ALLIGOOD, PE, No. 16710, Exp. 03/07/2013

SIGNATURE: DWAYNE H. ALLIGOOD, PE, 03/07/2013



INDEX OF SHEETS

SHEET NUMBER	SHEET
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, PAVEMENT REMOVAL
4	PLAN AND PROFILE SHEET
TMP1-TMP2	TRAFFIC CONTROL PLANS
EC1-EC4	EROSION CONTROL SHEETS
X1A	CROSS-SECTION SUMMARY
X1	CROSS-SECTIONS

GENERAL NOTES:
2012 SPECIFICATIONS
EFFECTIVE: 01/17/12
REVISED: 11/01/11

GRADING AND SURFACING OR RESURFACING AND WIDENING:

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED CURBS AND SIDEWALKS. THE FINISHED ELEVATION OF THE EXISTING GRADE LINES ARE SHOWN. THE PROFILES SHOWN DENOTE THE TOP ELEVATION OF THE EXISTING PAVEMENT AND THE GRADE LINES WHICH ARE TO BE SHREDDED AND REPAVED. THE PROPER TIE-IN.

GRADING:

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED OR FUTURE SURFACING AT GRADE POINTS SHOWN. THE TYPICAL SECTION 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.

SUPERELEVATION:

ALL CURVES ON THIS PROJECT SHALL BE SUPERELEVATED IN ACCORDANCE WITH STD. NO. 225-04 USING THE RATE OF SUPERELEVATION AND RUNDFF SHOWN ON THE PLANS. SUPERELEVATION IS TO BE REVOLVED ABOUT THE GRADE POINTS SHOWN ON THE TYPICAL SECTIONS.

SHOULDER CONSTRUCTION:

ASPHALT, EARTH, AND CONCRETE SHOULDER CONSTRUCTION ON THE HIGH SIDE OF SUPERELEVATED CURVES SHALL BE IN ACCORDANCE WITH STD. NO. 560.01.

SIDE ROADS:

THE CONTRACTOR WILL BE REQUIRED TO DO ALL NECESSARY WORK TO PROVIDE EARTH CURBS AND SIDEWALKS AT THE INTERSECTION OF THIS PROJECT WITH OTHER PROJECTS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PARTICULAR ITEMS INVOLVED.

UTILITIES:

ALL EXISTING UTILITIES SHOWN ON PLANS ARE APPROXIMATE. UTILITY OWNERS ON THIS PROJECT ARE AS FOLLOWS:
GROUPLINK PHONE NUMBER CONTACT: WYATCH AVE 252-241-4493
CITY OF WYATCH PHONE NUMBER CONTACT: WYATCH AVE 252-241-4493
TIME WARNER (CATV) CONTACT: MARK SWINDELL 252-223-6426

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 and by reference hereby are considered a part of these plans:
2012 Roadway English Standard Drawings

STANDARD	TITLE
200-02	Method of Clearing - Method 11
225-02	Guided for Grading, Subgrade, and Secondary and Local
225-02	Method of Grading Super-elevation - Two Lane Pavement
300-01	Pipe Culvert Installation - Method 'A'
300-01	Method of Pipe Installation - Method 'A'
300-01	Method of Pipe Installation - Method 'A'
422-10	Method of Retained Bridge Approach Fills
422-10	Method of Retained Bridge Approach Fills
876-02	INCIDENTALS Guide for Rip Rap at Pipe Outlets

Note: Not to Scale

*S.U.E. = Subsurface Utility Engineering




STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.
W-4700A













SHEET NO.
1B

CONVENTIONAL PLAN SHEET SYMBOLS











BOUNDARIES AND PROPERTY:

- State Line _____
- County Line _____
- Township Line _____
- City Line _____
- Reservation Line _____
- Property Line _____
- Existing Iron Pin  _____
- 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 _____






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:

- 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 Marker  _____
- Existing Control of Access  _____
- Proposed Control of Access  _____
- Existing Easement Line  _____
- Proposed Temporary Construction Easement  _____
- Proposed Temporary Drainage Easement  _____
- Proposed Permanent Drainage Easement  _____
- Proposed Permanent Utility Easement  _____
- Proposed Temporary Utility Easement  _____
- Proposed Permanent Easement with Iron Pin and Cap Marker  _____


ROADS AND RELATED FEATURES:

- Existing Edge of Pavement  _____
 - Existing Curb  _____
 - Proposed Slope Stakes Cut  _____
 - Proposed Slope Stakes Fill  _____
 - Proposed Wheel Chair Ramp  _____
 - Existing Metal Guardrail  _____
 - Proposed Guardrail  _____
 - Existing Cable Guiderail  _____
 - Proposed Cable Guiderail  _____
 - Equality Symbol  _____
 - Pavement Removal  _____
- ## VEGETATION:
- Single Tree  _____
 - Single Shrub  _____
 - Hedge  _____
 - Woods Line  _____
 - Orchard  _____
 - Vineyard  _____














EXISTING STRUCTURES:

- MAJOR:
 - Bridge, Tunnel or Box Culvert  _____
 - Bridge Wing Wall, Head Wall and End Wall  _____
- MINOR:
 - Head and End Wall  _____
 - Pipe Culvert  _____
 - Footbridge  _____
 - Drainage Box: Catch Basin, DI or JB  _____
 - Paved Ditch Gutter  _____
 - Storm Sewer Manhole  _____
 - Storm Sewer  _____








UTILITIES:

- 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  _____
 - Recorded U/G Power Line  _____
 - Designated U/G Power Line (S.U.E.*)  _____









TELEPHONE:

- Existing Telephone Pole  _____
- Proposed Telephone Pole  _____
- Telephone Manhole  _____
- Telephone Booth  _____
- Telephone Pedestal  _____
- Telephone Cell Tower  _____
- U/G Telephone Cable Hand Hole  _____
- Recorded U/G Telephone Cable  _____
- Designated U/G Telephone Cable (S.U.E.*)  _____
- Recorded U/G Telephone Conduit  _____
- Designated U/G Telephone Conduit (S.U.E.*)  _____
- Recorded U/G Fiber Optics Cable  _____
- Designated U/G Fiber Optics Cable (S.U.E.*)  _____






WATER:

- Water Manhole  _____
- Water Meter  _____
- Water Valve  _____
- Water Hydrant  _____
- Recorded U/G Water Line  _____
- Designated U/G Water Line (S.U.E.*)  _____
- Above Ground Water Line  _____







TV:

- TV Satellite Dish  _____
- TV Pedestal  _____
- TV Tower  _____
- U/G TV Cable Hand Hole  _____
- Recorded U/G TV Cable  _____
- Designated U/G TV Cable (S.U.E.*)  _____
- Recorded U/G Fiber Optic Cable  _____
- Designated U/G Fiber Optic Cable (S.U.E.*)  _____











GAS:

- Gas Valve  _____
- Gas Meter  _____
- Recorded U/G Gas Line  _____
- Designated U/G Gas Line (S.U.E.*)  _____
- Above Ground Gas Line  _____

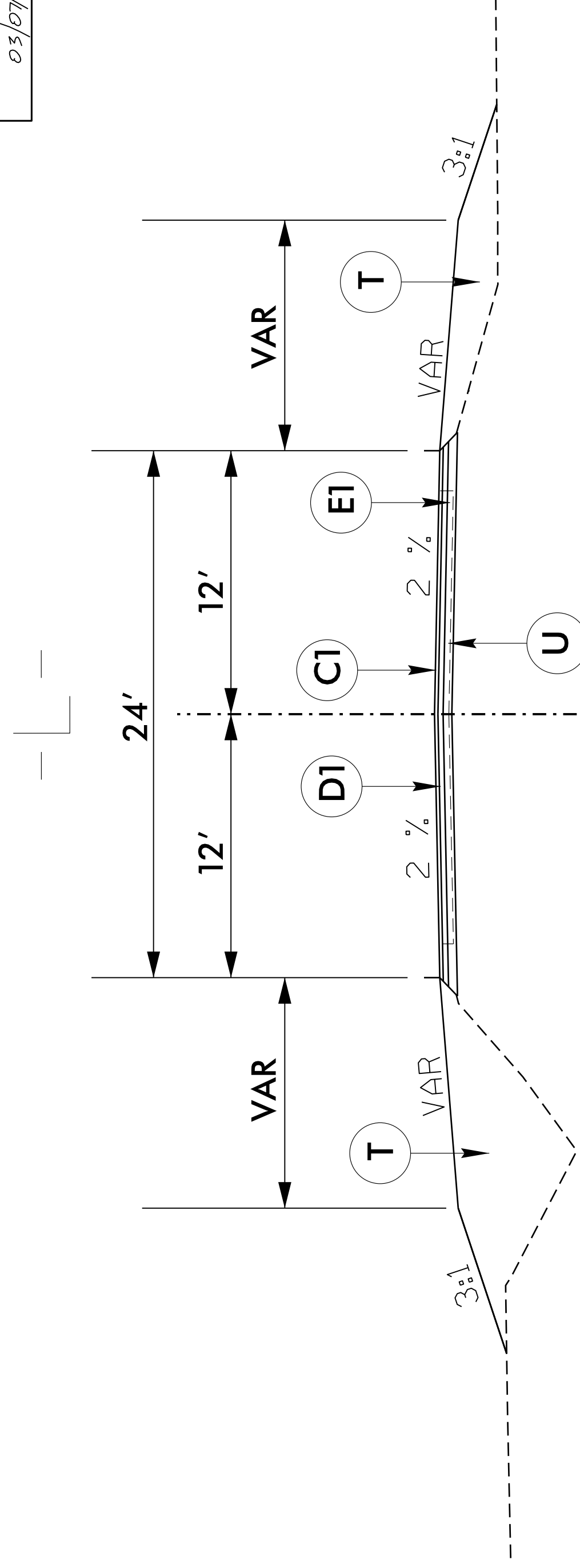
SANITARY SEWER:

- Sanitary Sewer Manhole  _____
- Sanitary Sewer Cleanout  _____
- U/G Sanitary Sewer Line  _____
- Above Ground Sanitary Sewer  _____
- Recorded SS Forced Main Line  _____
- Designated SS Forced Main Line (S.U.E.*)  _____

MISCELLANEOUS:

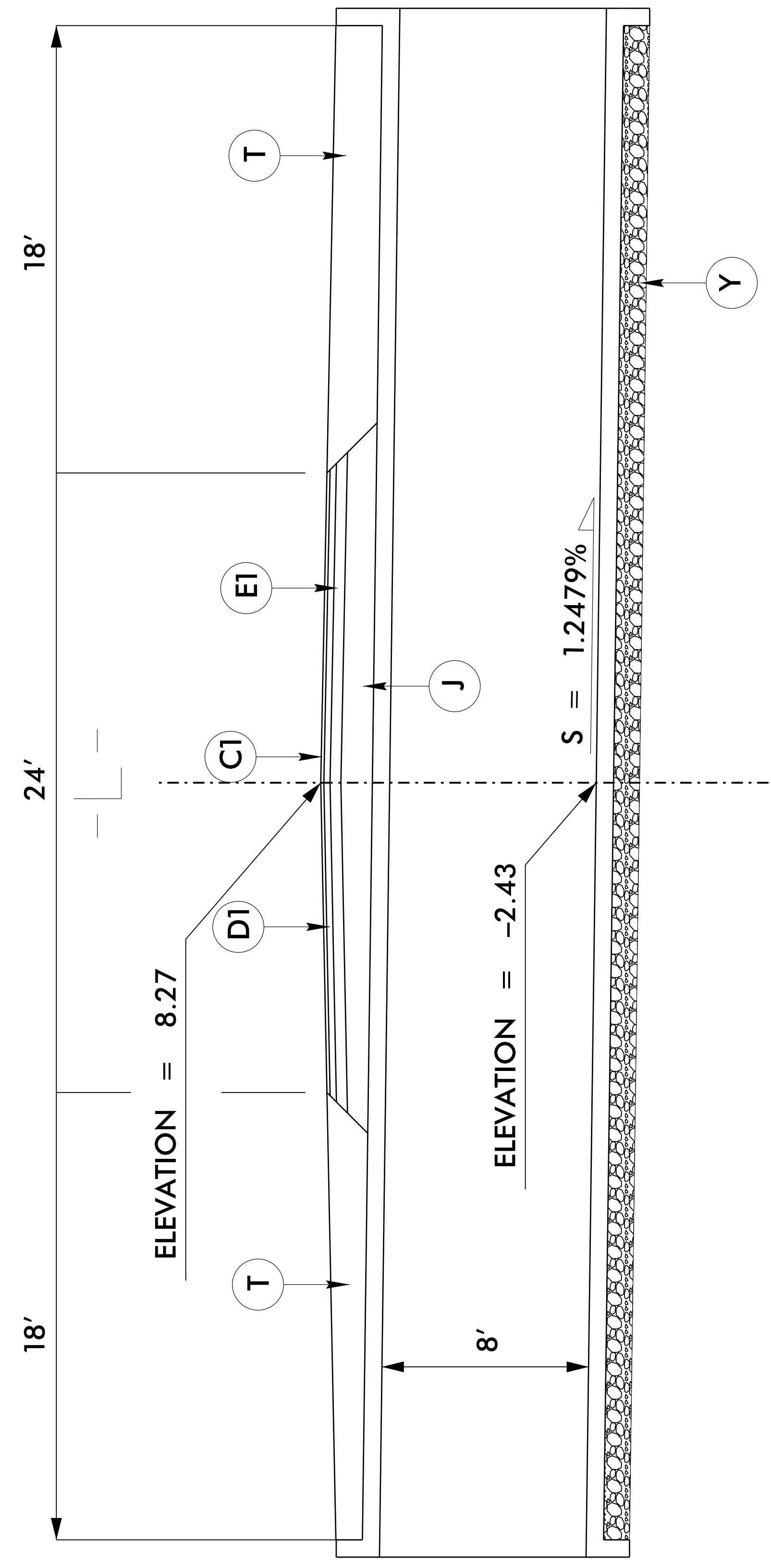
- Utility Pole  _____
- Utility Pole with Base  _____
- Utility Located Object  _____
- Utility Traffic Signal Box  _____
- Utility Unknown U/G Line  _____
- U/G Tank; Water, Gas, Oil  _____
- AG Tank; Water, Gas, Oil  _____
- U/G Test Hole (S.U.E.*)  _____
- Abandoned According to Utility Records  _____
- End of Information  _____

C1	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
D1	PROP. APPROX. 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
E1	PROP. APPROX. 5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
J	APPROX. 12" AGGREGATE BASE COURSE
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.
V	FILTER FABRIC
Y	#57 WASHED STONE

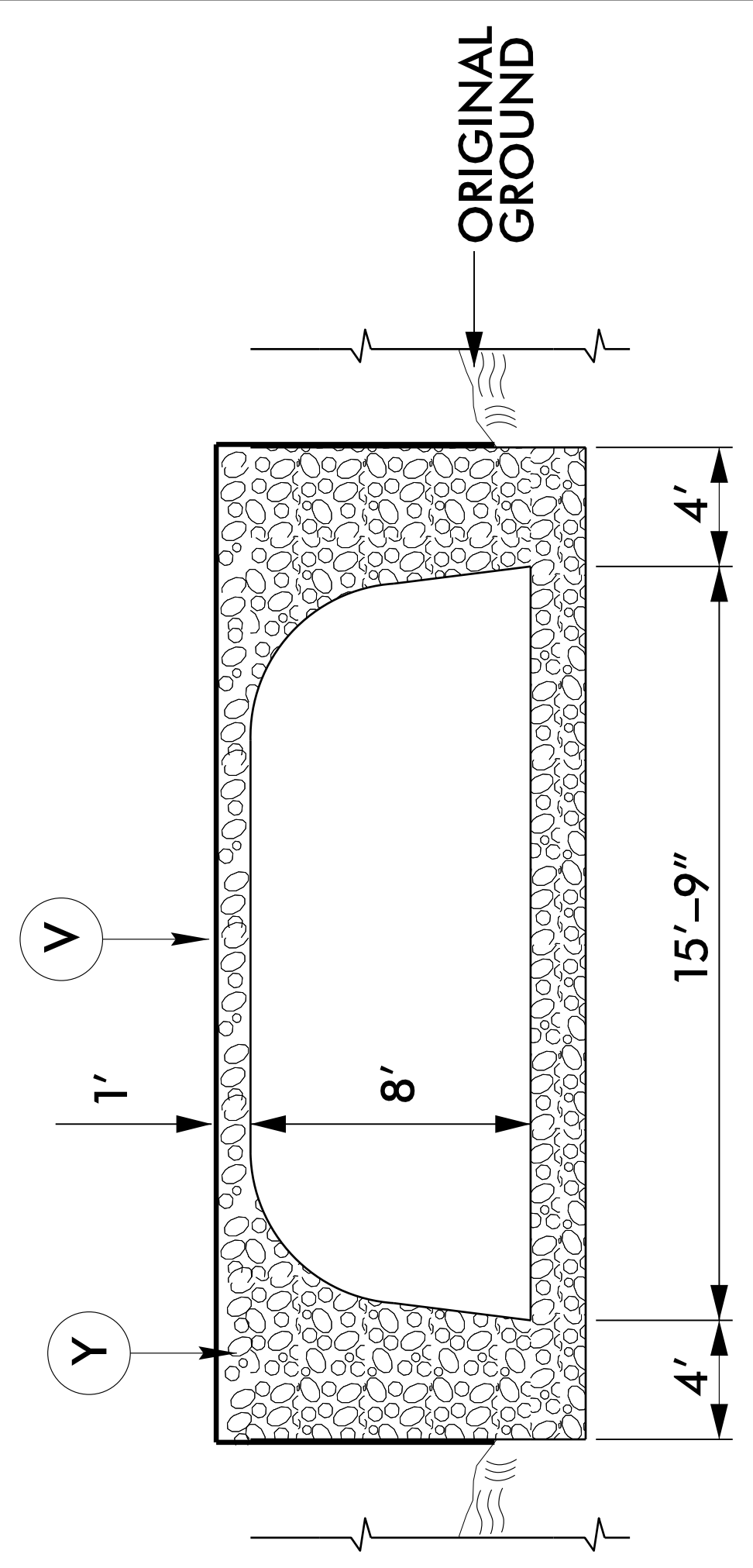


TYPICAL SECTION #1
 -L- STATION 11+35 - 12+85

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



TYPICAL BOX CULVERT SECTION
 NOT TO SCALE



END VIEW BOX CULVERT
 NOT TO SCALE

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
SUMMARY OF QUANTITIES

SECT	QUANTITY	UNIT	ITEM DESCRIPTION
800	1	LS	MOBILIZATION
801	1	LS	CONSTRUCTION SURVEYING
SP	1	LS	GRADING
SP	100	CY	UNDERCUT EXCAVATION
310	50	LF	24" SIDE DRAIN PIPE
520	200	TON	AGGREGATE BASE COURSE
610	114	TON	ASPHALT CONCRETE BASE COURSE,TYPE B25.0B
610	68	TON	ASPHALT CONCRETE INTERMEDIATE COURSE,TYPE I19.0B
610	33	TON	ASPHALT CONCRETE SURFACE COURSE,TYPE S9.5B
620	10	TON	ASPHALT BINDER FOR PLANT MIX.GRADE P664-22
876	60	TON	CLASS 1 RIP RAP
876	500	SY	GEOTEXTILE FOR DRAINAGE
1605	300	LF	TEMPORARY SILT FENCE
1610	10	TON	STONE FOR EROSION CONTROL,CLASS B
1610	10	TON	SEDIMENT CONTROL STONE
1615	0.5	ACRE	TEMPORARY MULCHING
1620	20	LB	SEED FOR TEMPORARY SEEDING
1620	01	TON	FERTILIZER FOR TEMPORARY SEEDING
1630	30	CY	SILT EXCAVATION
1631	400	SY	MATTING FOR EROSION CONTROL
1632	100	LF	1/4" HARDWARE CLOTH
1639	1	EA	SPECIAL STILLING BASIN
SP	100	LF	WATTLE
1660	1	ACRE	SEEDING AND MULCHING
1661	50	LB	SEED FOR REPAIR SEEDING
1661	0.2	TON	FERTILIZER FOR REPAIR SEEDING
SP	100	LF	IMPERVIOUS DIKE
SP	3	EA	RESPONSE FOR EROSION CONTROL
402	1	LS	REMOVAL OF EXISTING STRUCTURE AT -L- STATION 12+07.00
SP	1	LS	15'-9" X 8'-0" CORRUGATED ALUMINUM BOX CULVERT WITH HEADWALLS AT -L- STATION 12+07.00

REVISIONS

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

LIST OF PIPES, ENDWALLS, ETC.

STATION	LOCATION (LT, RT, OR CL)	STRUCTURE NO.		TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	DRAINAGE PIPE (RCP, CSP, CAP, HDPE, or PVC)						ALUMINUM BOX CULVERT
		FROM	TO					12" 15"	18" 24"	30" 36"	42" 48"	DO NOT USE RCP	DO NOT USE CSP	
-L- 11+35.00	LT	1		2.40	2.00									15'-9" X 8'-0" X 60'-0"
-L- 12+07.00	CL	2		-2.06	-2.80									60
TOTALS														60

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

**SUMMARY OF EARTHWORK
 IN CUBIC YARDS**

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
-L- 11+35.00 - 12+85.00	83	0	855	772	0
UNDERCUT (CONTINGENCY)	0	100	120	120	100
UNCLASSIFIED STRUCTURE EXCAVATION	1,465	0	0	-892	573
SUB TOTAL	1,548	100	975	0	673
SAY	1,550	100	1000	0	680

**PAVEMENT REMOVAL SUMMARY
 IN SQUARE YARDS**

LINE	STATION - STATION	LOCATION	REMOVAL (SY)
-L-	11+35.00 - 12+85.00	CL	311
TOTAL			311
SAY			320

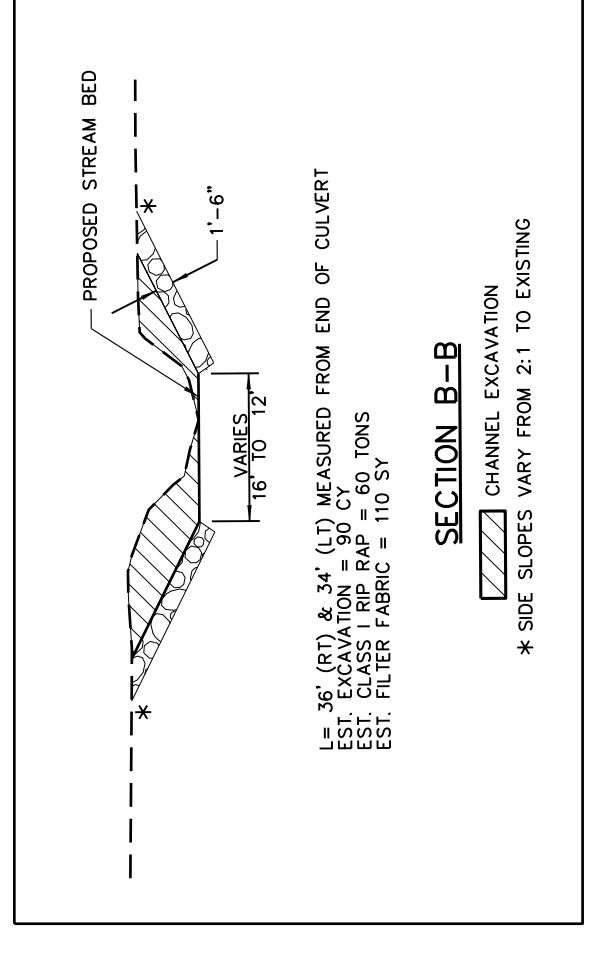
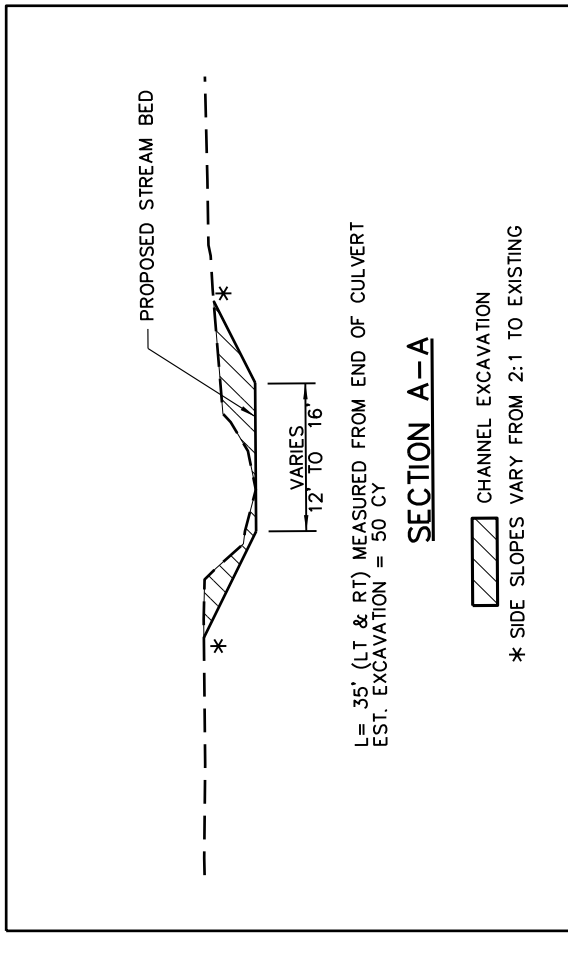
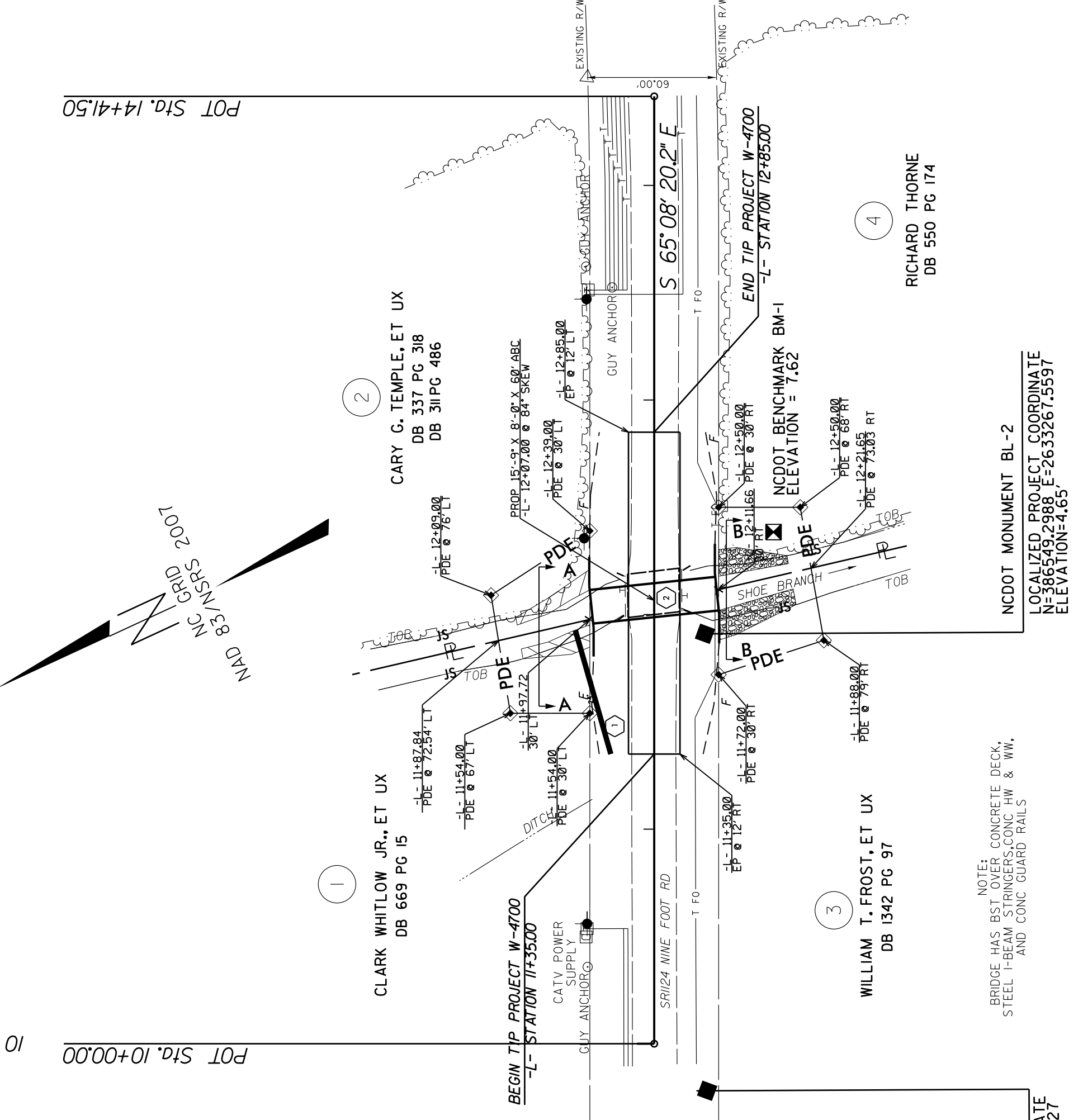
NOTE:
 APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, UNCLASSIFIED STRUCTURE EXCAVATION, BORROW EXCAVATION, FINE GRADING, CLEARING AND GRUBBING AND REMOVAL OF EXISTING PAVEMENT WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR "GRADING".

RIGHT OF WAY AREA SUMMARY

PARCEL NO.	PROPERTY OWNER NAME	LOCATION	TOTAL PARCEL AREA (ACRES)	AREA TO BE ACQUIRED (PERM. DRAIN. EASEMENT) (ACRES)	PARCEL AREA REMAINING (ACRES)
1	CLARK WHITLOW JR., ET UX	LT	4.13	0.04	4.09
2	CARY G. TEMPLE ET UX	LT	5.28	0.03	5.25
3	WILLIAM T. FROST	RT	0.93	0.04	0.89
4	RICHARD THORNE	RT	34.38	0.03	34.35

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "GPS-1" WITH MAD 83/MSBS 2007 STATE PLANE GRID COORDINATES OF NORTHING: 386949.6811(FT) EASTING: 2632541.667(FT) ELEVATION: 12.731(FT)
 THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: .9999909645
 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "GPS-1" TO -L- STATION 10+00.00 IS 636.86'
 S 62°02'17" E
 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
 VERTICAL DATUM USED IS NAVD 88



NCDOT MONUMENT GPS-2
 LOCALIZED PROJECT COORDINATE
 N=366549.2988 E=2633267.2597
 ELEVATION=7.93

NCDOT MONUMENT BL-2
 LOCALIZED PROJECT COORDINATE
 N=366549.2988 E=2633267.2597
 ELEVATION=4.65

NCDOT MONUMENT BL-1
 LOCALIZED PROJECT COORDINATE
 N=366549.2988 E=2633267.2597
 ELEVATION=7.93

CL STA -L- 12+07.00
 I @ 15'-9" X 8'-0" X 60' ABC
 CL ELEVATION = 8.27
 CL ABC ELEVATION = -2.47
 SKEW = 84° SLOPE = 1:247/9'

BEGIN GRADE -L- STATION 11+35.00
 ELEVATION 8.39

END GRADE -L- STATION 12+85
 ELEVATION 8.15

10
 0
 -10

HYDRAULIC DATA

Design:	Discharge	470	c.f.s.	Frequency	25 YR	Elev.	5.4'
Base Flood:	Discharge	1,340	c.f.s.	Frequency	100 YR	Elev.	9.03'
Overtopping:	Discharge	800	c.f.s.	Frequency	200 YR	Elev.	8.13'

*BASED ON USGS DISCHARGES
 CL SAG @ -L- STA 13+00 +-

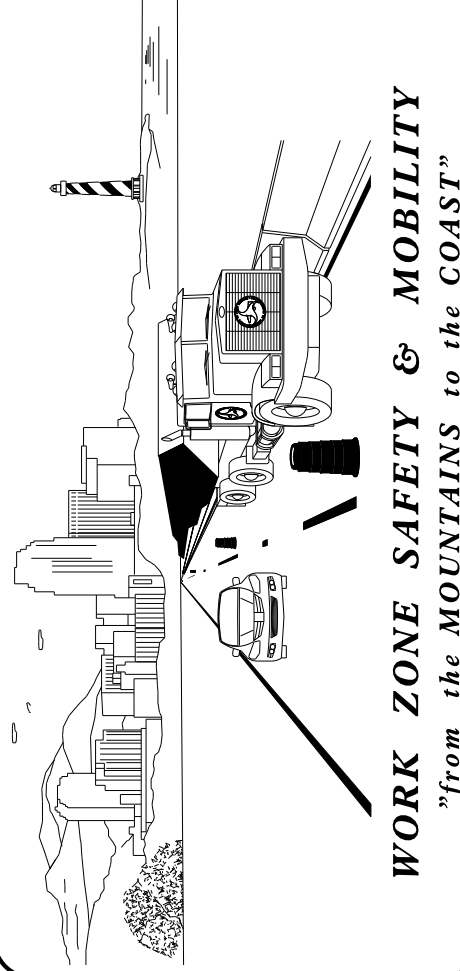
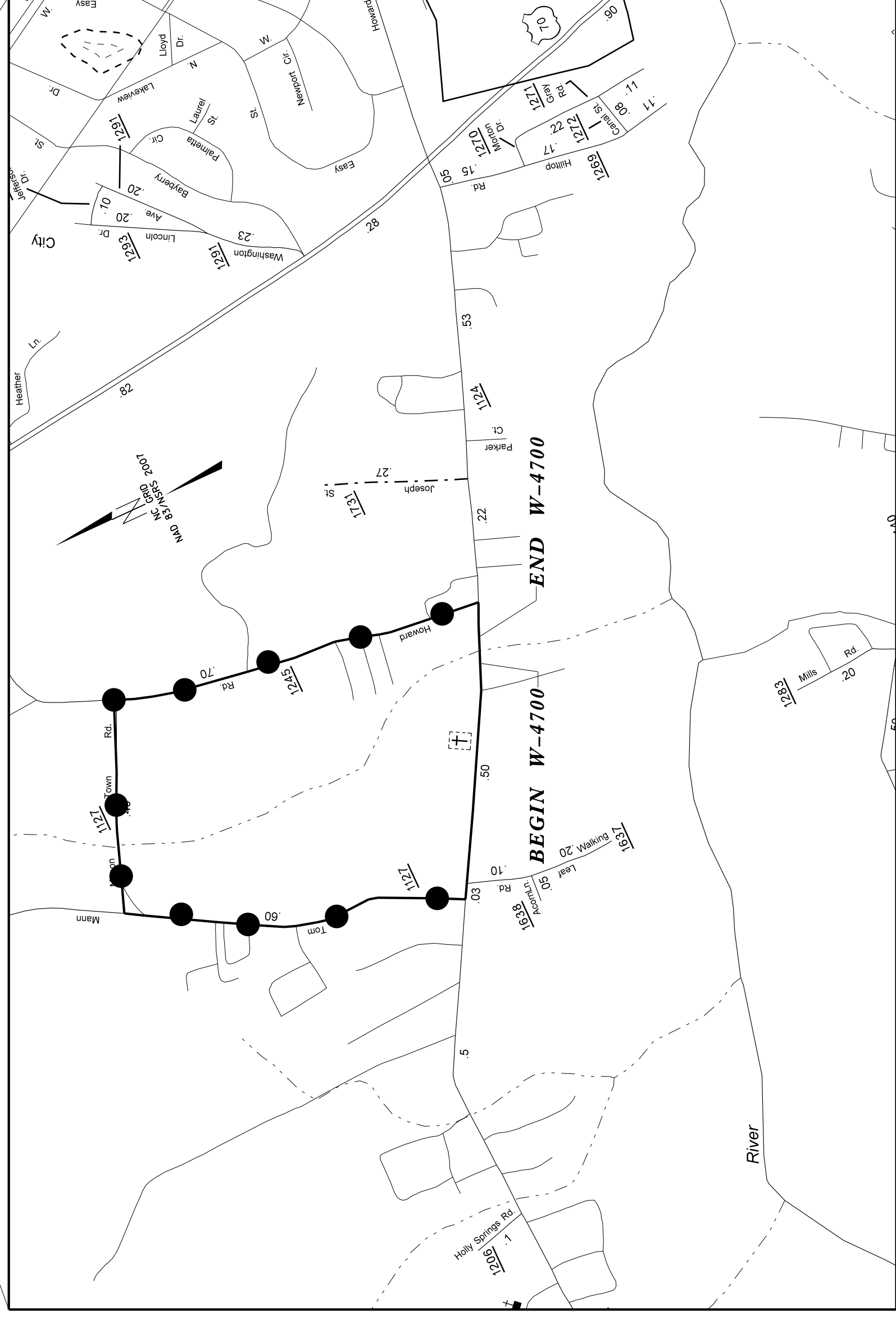
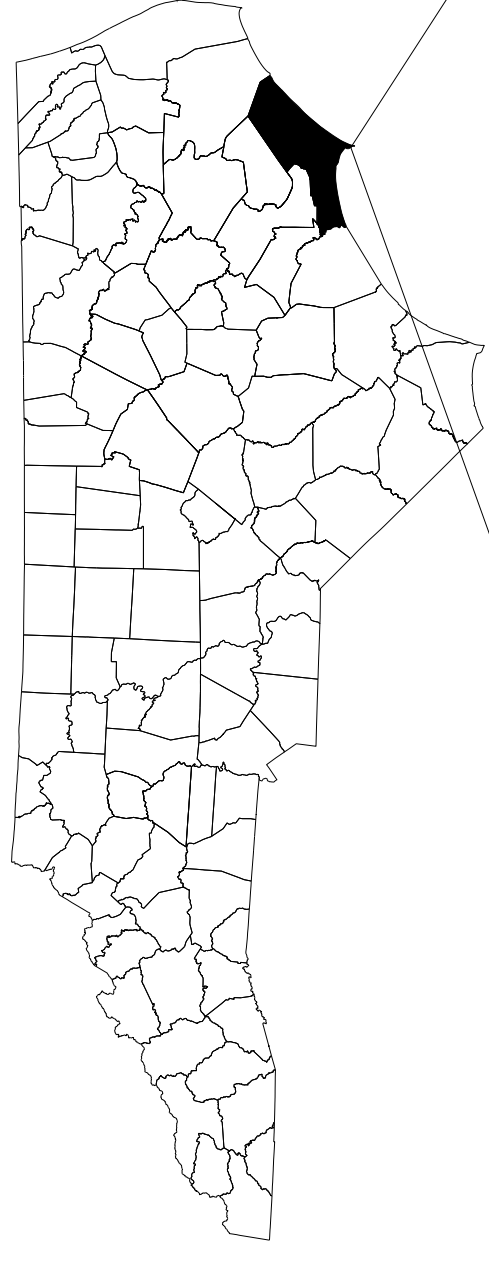
DENOTES STRUCTURE EXCAVATION

10 11 12 13 14

REVISIONS

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN
CARTERET COUNTY



N.C.D.O.T. DIVISION TWO DDC
P.O. BOX 1587
GREENVILLE, NC 27835
PHONE 252-439-2800

DWAYNE ALLIGOOD _____ TRAFFIC CONTROL PROJECT ENGINEER
LANG JONES _____ TRAFFIC CONTROL PROJECT DESIGN ENGINEER
LANG JONES _____ TRAFFIC CONTROL DESIGN ENGINEER



APPROVED: _____
DATE: 03/17/2018
SEAL

INDEX OF SHEETS

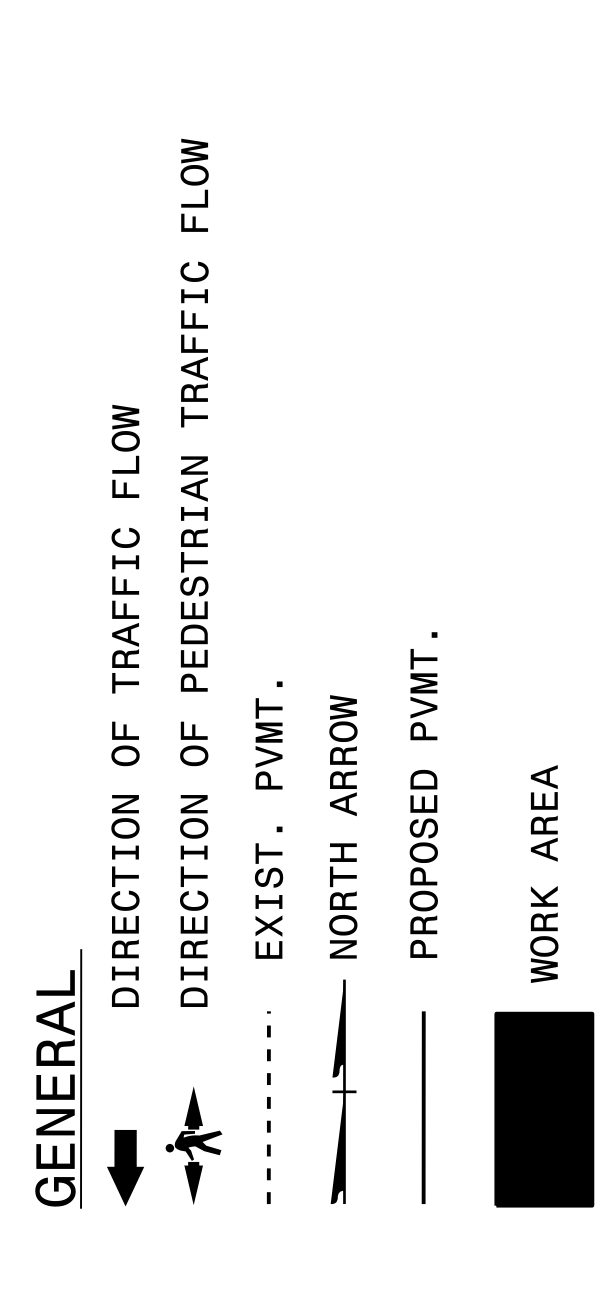
SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP & INDEX OF SHEETS; LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS & LEGEND
TMP-2	PROJECT NOTES, DETOUR AND PLANS.

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - 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
1101.01	WORK ZONE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.06	WARNING SIGNS FOR BLASTING ZONES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1160.01	TEMPORARY CRASH CUSHION
1165.01	WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINEATION
1170.01	PORTABLE CONCRETE BARRIER
1180.01	SKINNY - DRUM

LEGEND



TRAFFIC CONTROL DEVICES



TIP PROJECT:

W-4700A

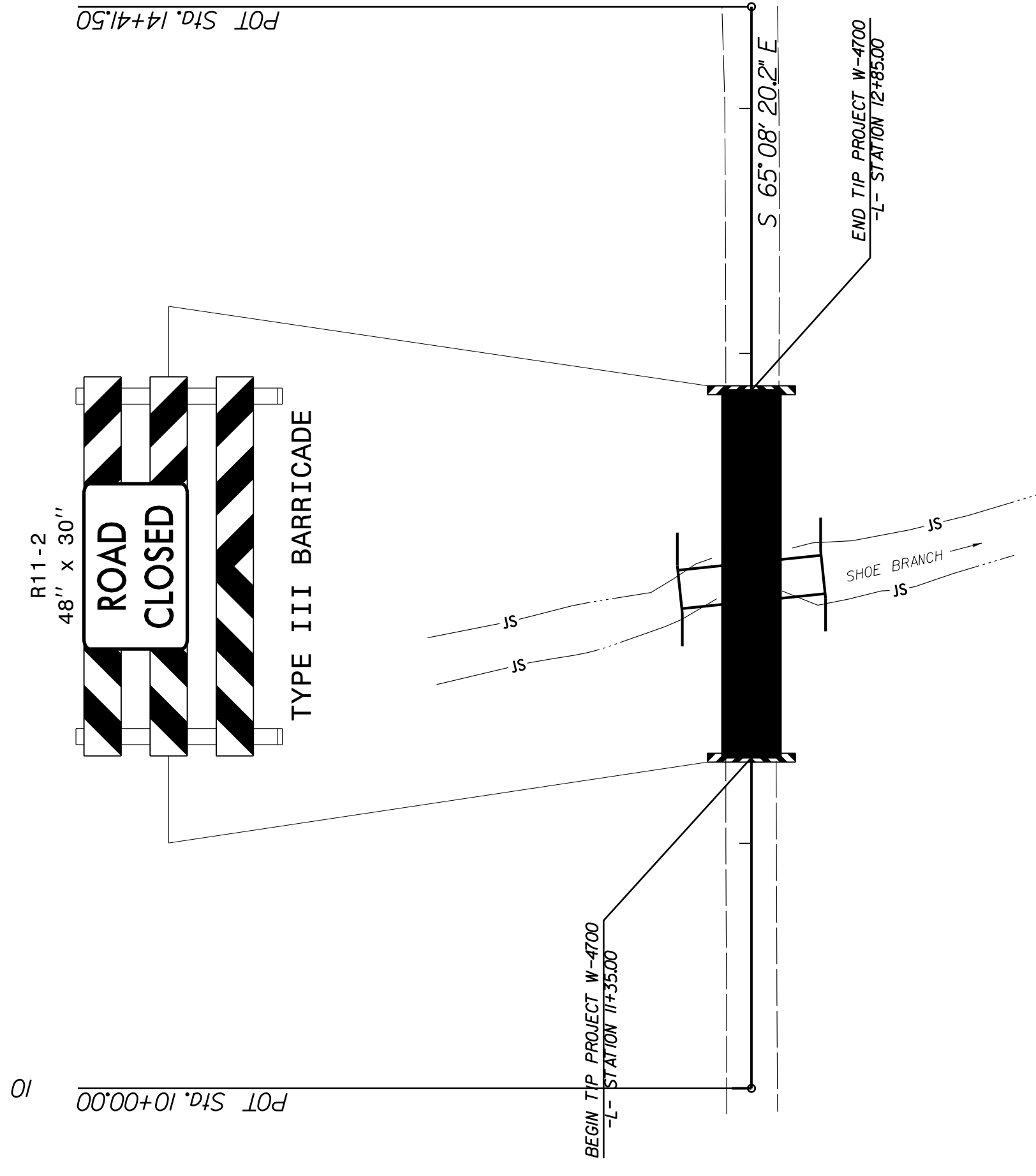
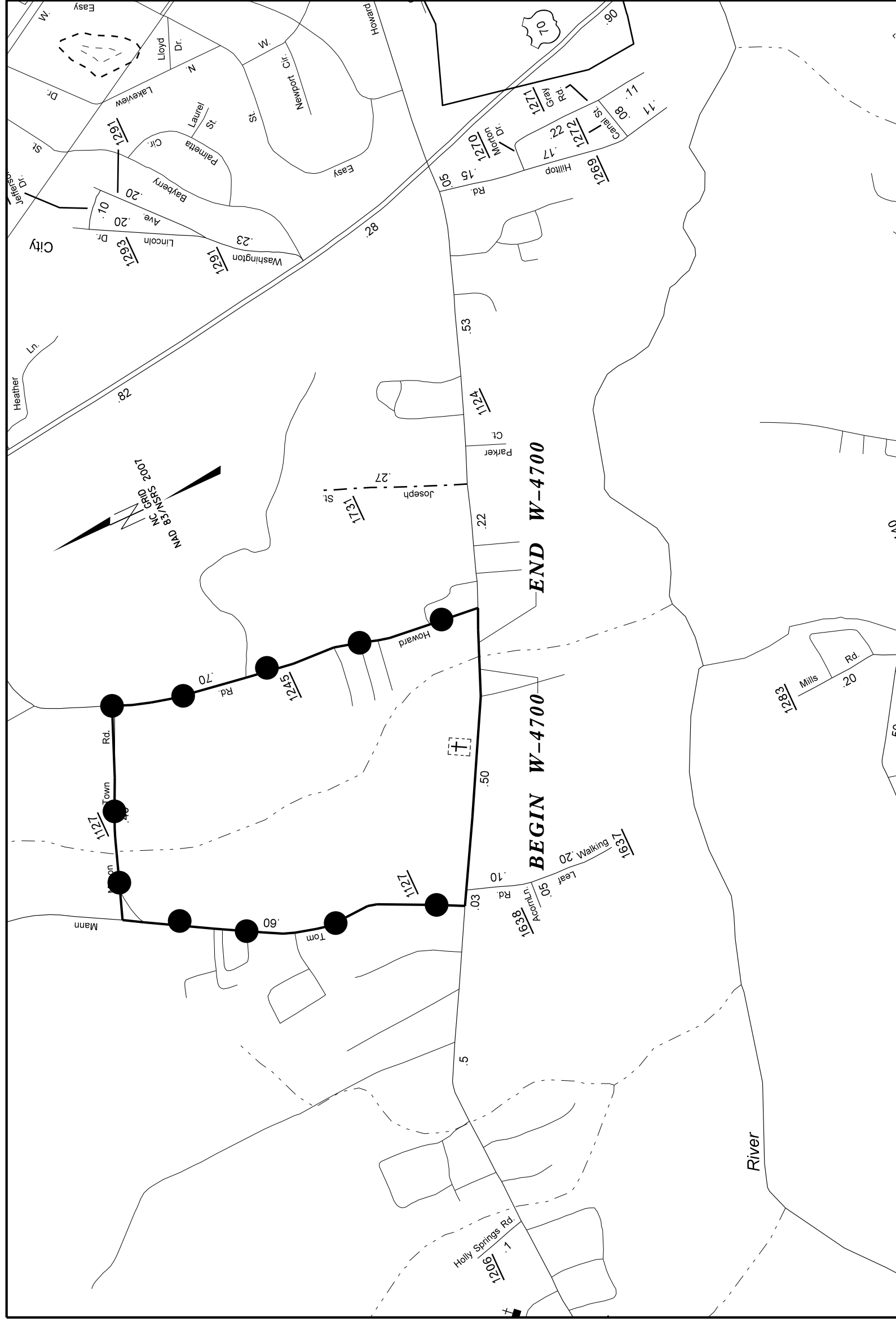
SHEET NO.
TMP-1

GENERAL NOTES

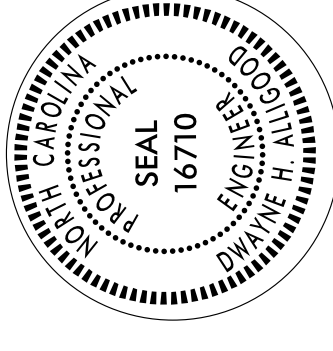
IMPLEMENT TRAFFIC CONTROL IN ACCORDANCE WITH THE ROADWAY STANDARD DRAWINGS LISTED ON TMP-1.

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS, OR RESULT IN DUPLICATE, OR UNDESIRABLE OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING OR REMOVAL OF DEVICES, AS DIRECTED BY THE ENGINEER.

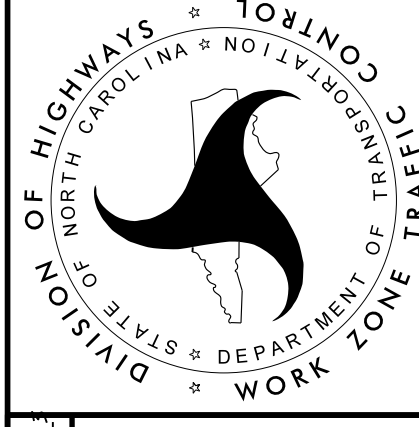
STATE FORCES WILL INSTALL AND MAINTAIN THE PROJECT DETOUR AND THE TYPE III BARRICADES AT THE PROJECT LIMITS.
STATE FORCES WILL INSTALL PAINT AND MARKERS ON THE FINISHED PROJECT.
CALL JIM EVANS AT 252-830-3493 FOR COORDINATION.



APPROVED: *Chengxiu Li* DATE: 03/07/2013

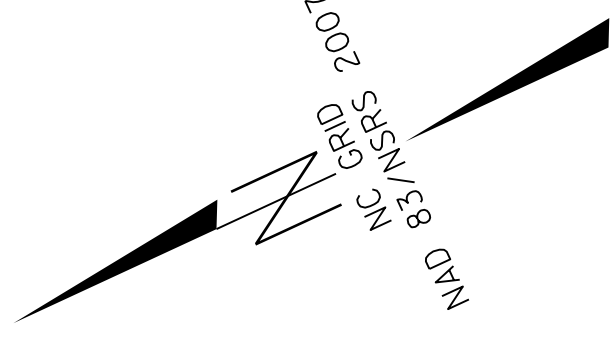
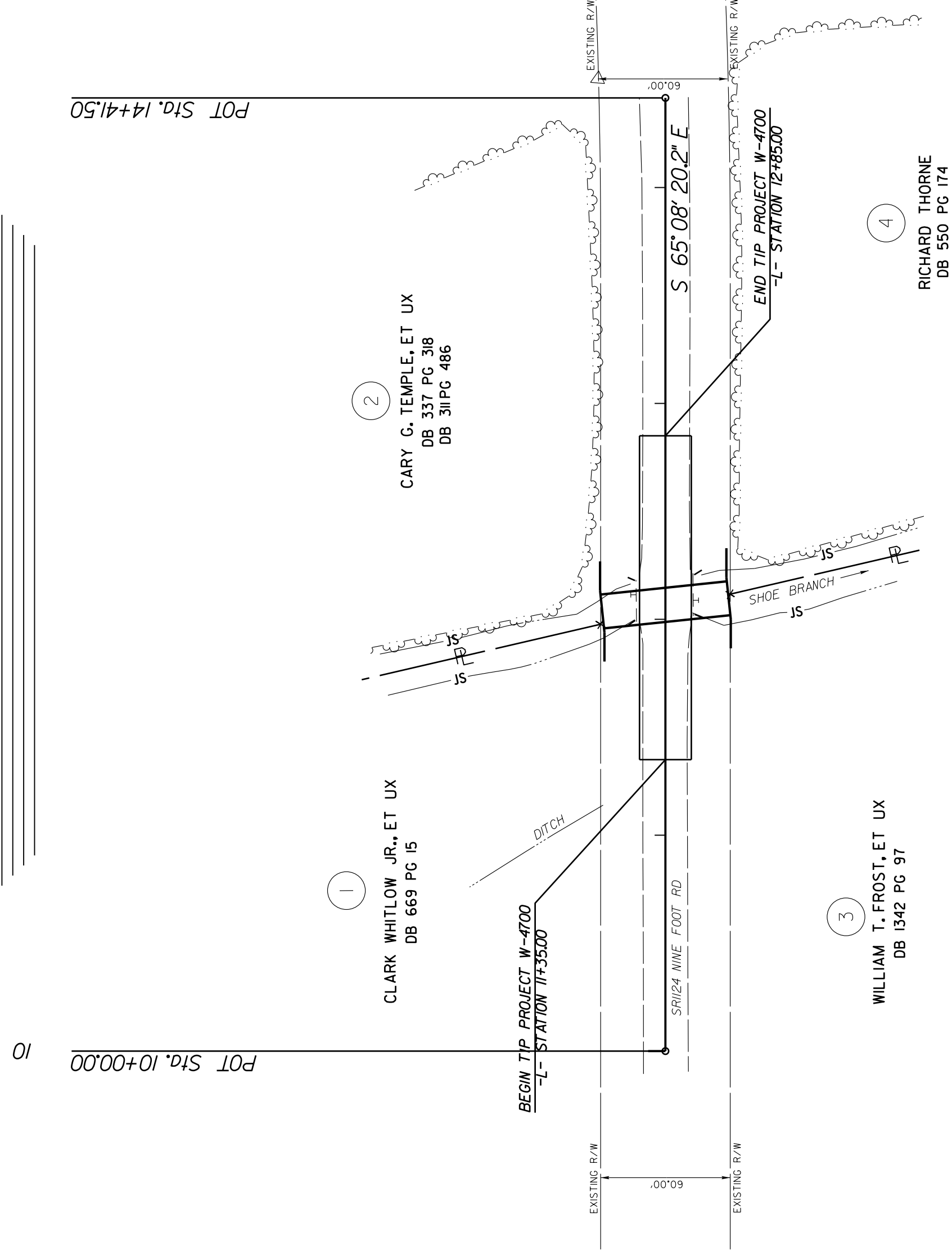


SEAL



TIP PROJECT: W-4700

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



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W-4700A	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
37720.11	STP-1124(6)	PE	
37720.21	STP-1124(6)	RW	
37720.31	STP-1124(6)	CONST	

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	
1630.05	Temporary Diversion	
1605.01	Temporary Silt Fence	
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 Skilling Basin	
1632.01	Rock Inlet Sediment Trap Type A	
1632.02	Type B	
1632.03	Type C	
	Skimmer Basin	
	Tiered Skimmer Basin	
	Infiltration Basin	

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

2012 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 2012 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

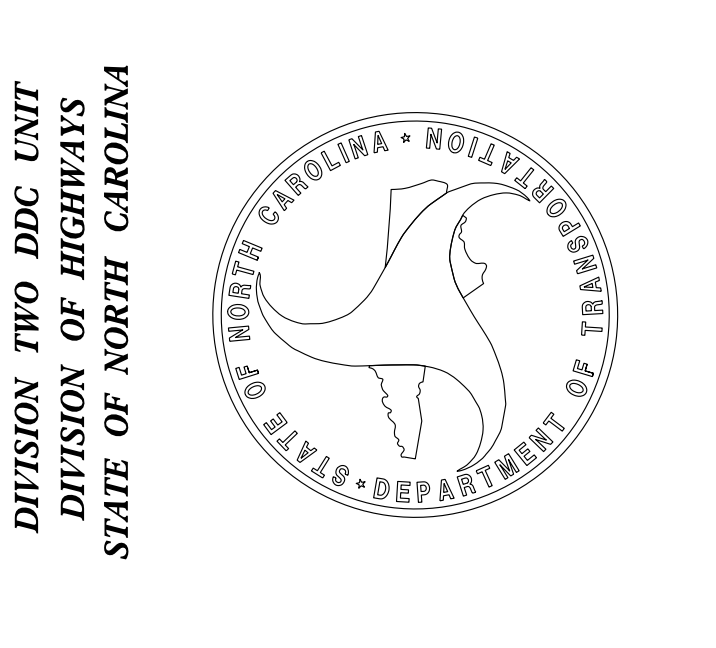
1604.01	Railroad Erosion Control Detail	1632.01	Rock Inlet Sediment Trap Type A
1605.01	Temporary Silt Fence	1632.02	Rock Inlet Sediment Trap Type B
1606.01	Special Sediment Control Fence	1632.03	Rock Inlet Sediment Trap Type C
1607.01	Gravel Construction Entrance	1633.01	Temporary Rock Silt Check Type 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	Stilling Basin	1635.01	Rock Pipe Inlet Sediment Trap Type A
1630.04	Temporary Diversion	1635.02	Rock Pipe Inlet Sediment Trap Type B
1630.05	Special Stilling Basin	1640.01	Coir Fiber Baffle
1630.06	Matting Installation	1645.01	Temporary Stream Crossing

Prepared in the Office of:

DIVISION 2 DDC
PO Box 1587
Greenville, NC 27835

Lang Jones, DDC Engineer
Level IIIA
Certification #274

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG-00000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011 ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER QUALITY.



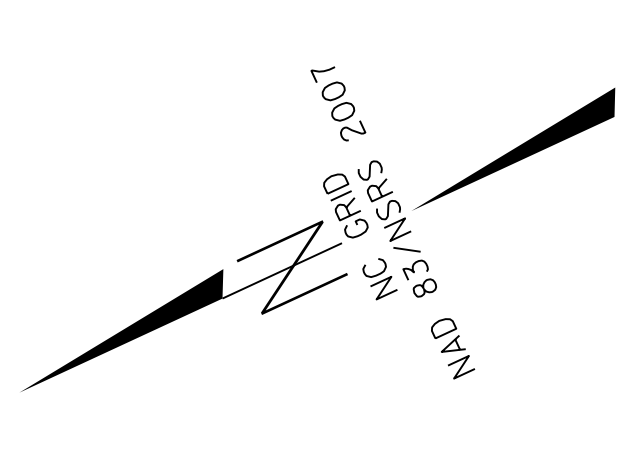
DIVISION TWO DDC UNIT
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

GRAPHIC SCALE

25 0 50
PLANS

25 0 50
PROFILE (HORIZONTAL)

5 0 10
PROFILE (VERTICAL)



POT Sta. 10+00.00

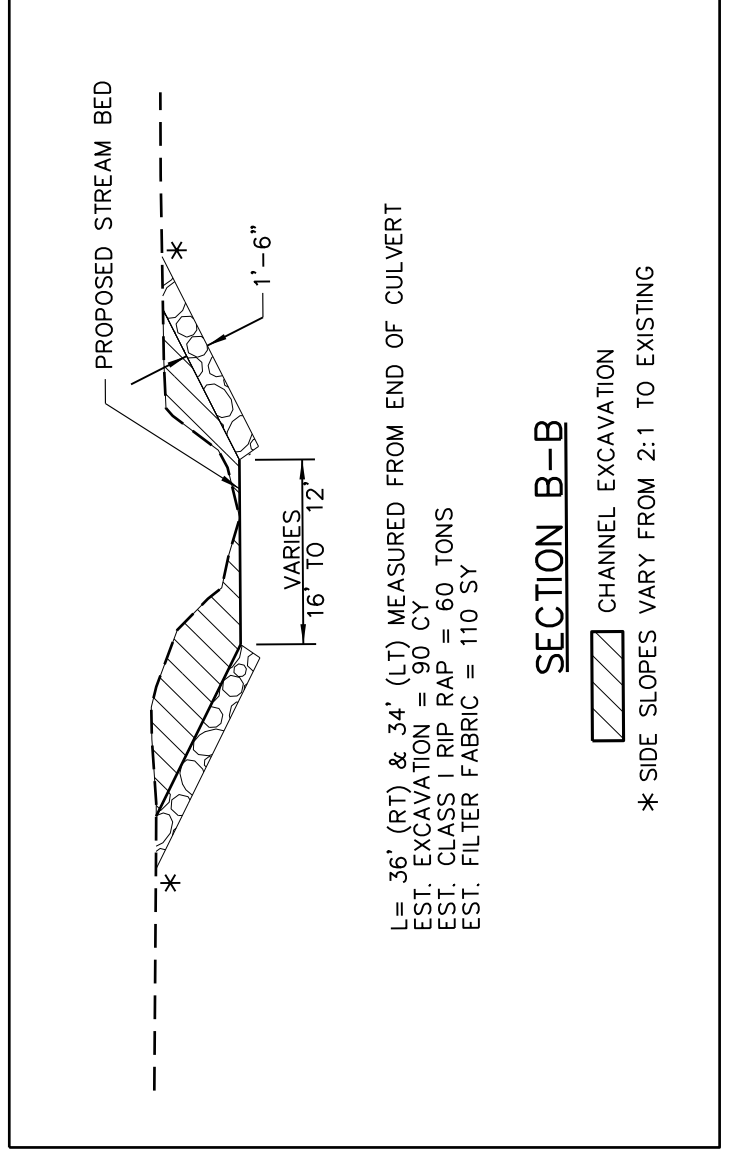
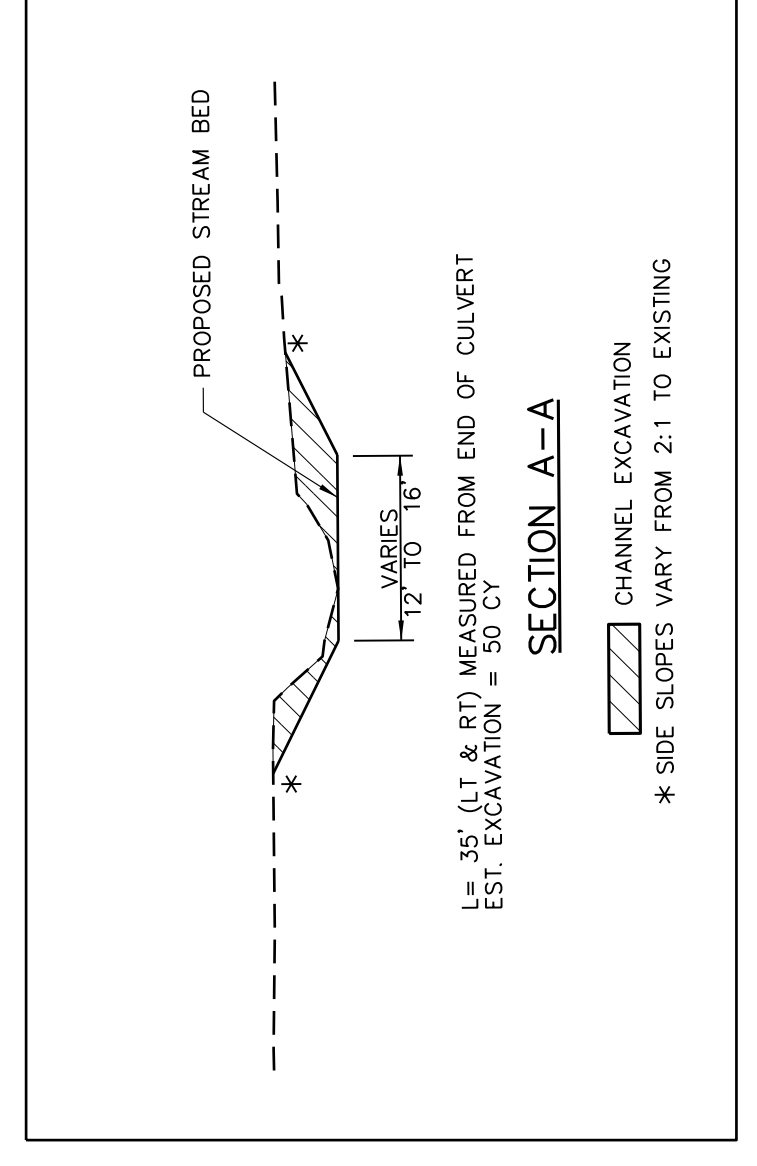
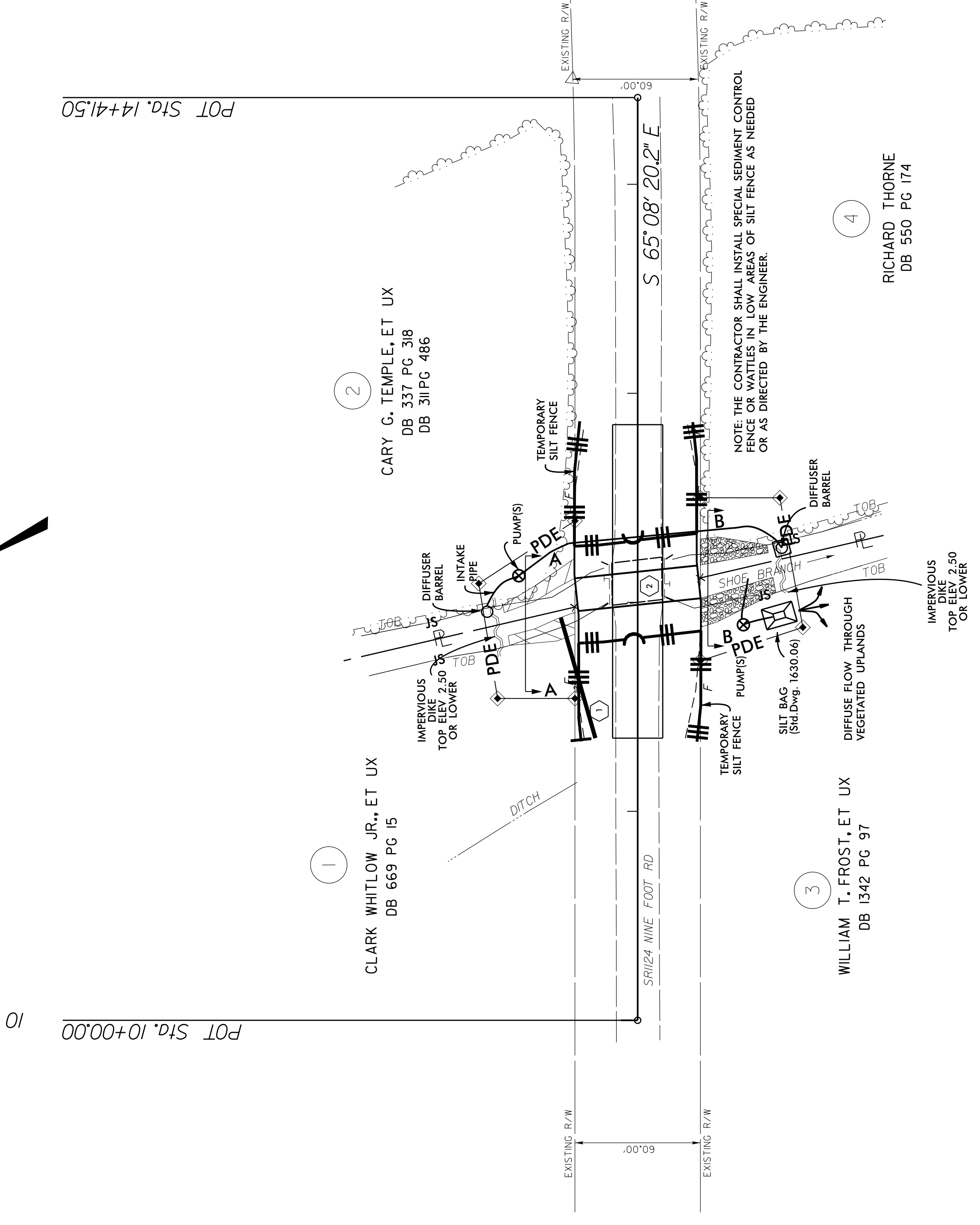
POT Sta. 14+41.50

1
CLARK WHITLOW JR., ET UX
DB 669 PG 15

2
CARY G. TEMPLE, ET UX
DB 337 PG 318
DB 311 PG 486

3
WILLIAM T. FROST, ET UX
DB 1342 PG 97

4
RICHARD THORNE
DB 550 PG 174

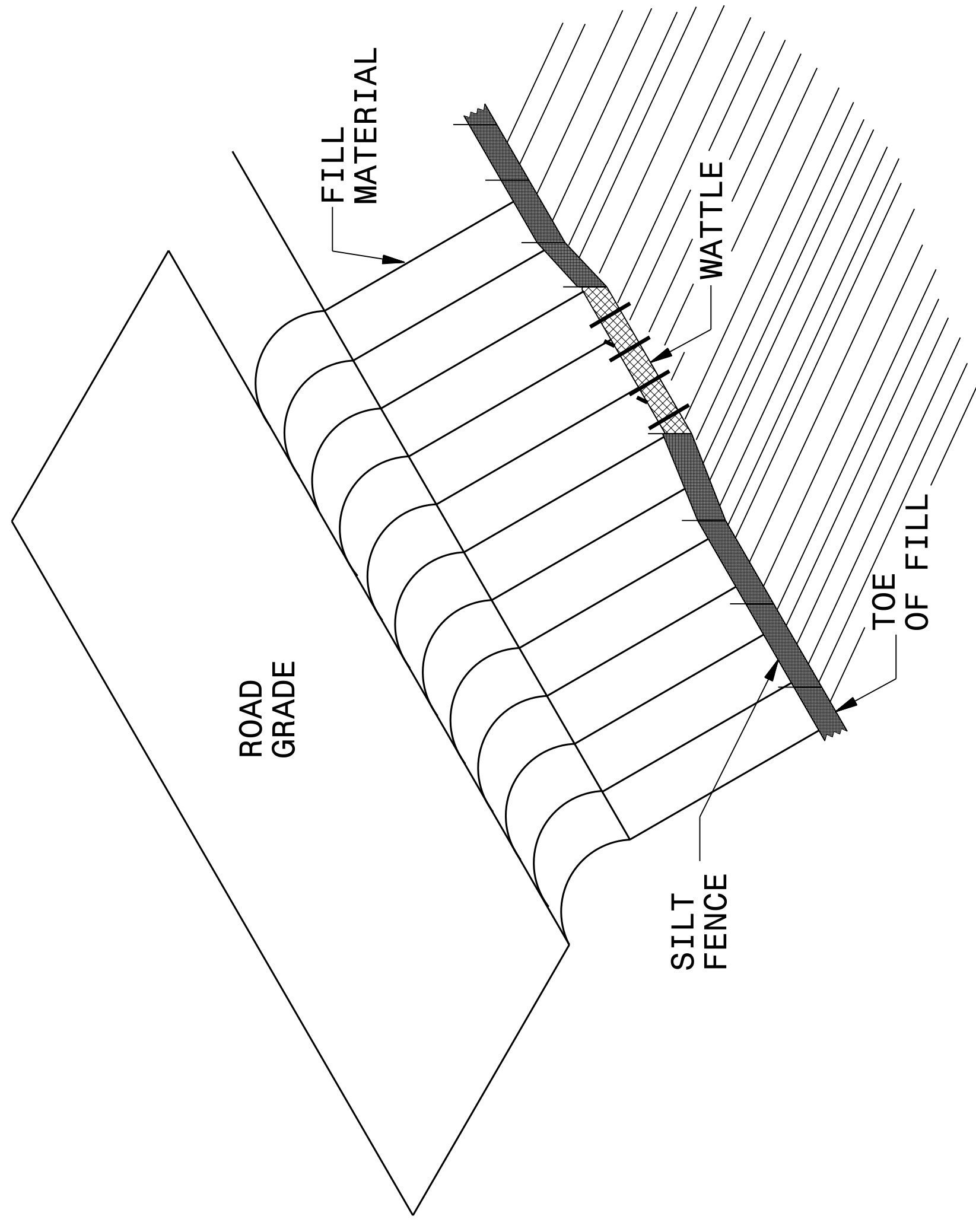


REVISIONS

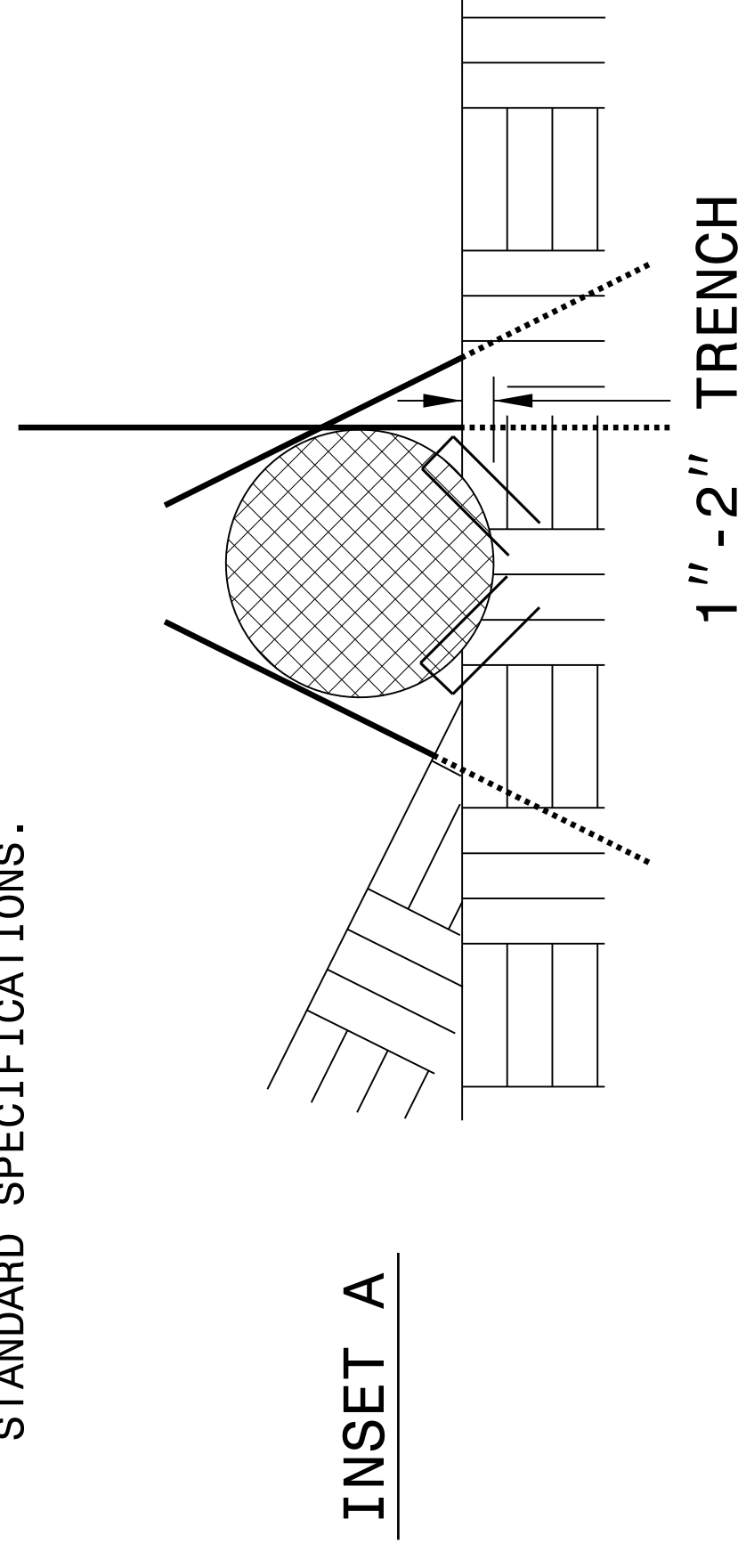
SILT FENCE COIR FIBER WATTLE BREAK WATTLE DETAIL

NOTES:

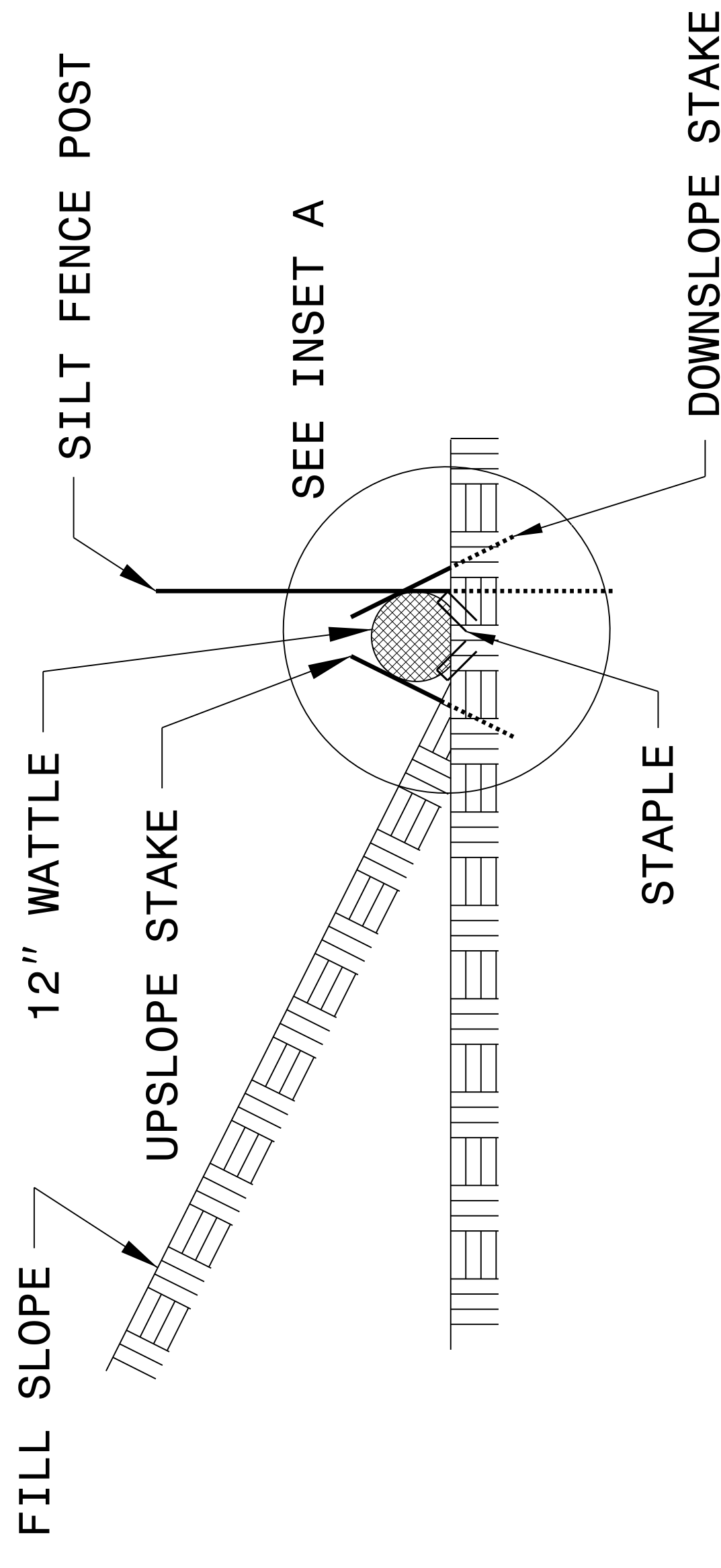
- USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE AND LENGTH OF 10 FT.
- EXCAVATE A 1 TO 2 INCH TRENCH FOR WATTLE TO BE PLACED.
- DO NOT PLACE WATTLE ON TOE OF SLOPE.
- USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.
- INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO GROUND.
- PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.
- INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.
- WATTLE INSTALLATION CAN BE ON OUTSIDE OF THE SILT FENCE AS DIRECTED.
- INSTALL TEMPORARY SILT FENCE IN ACCORDANCE WITH SECTION 1605 OF THE STANDARD SPECIFICATIONS.



ISOMETRIC VIEW

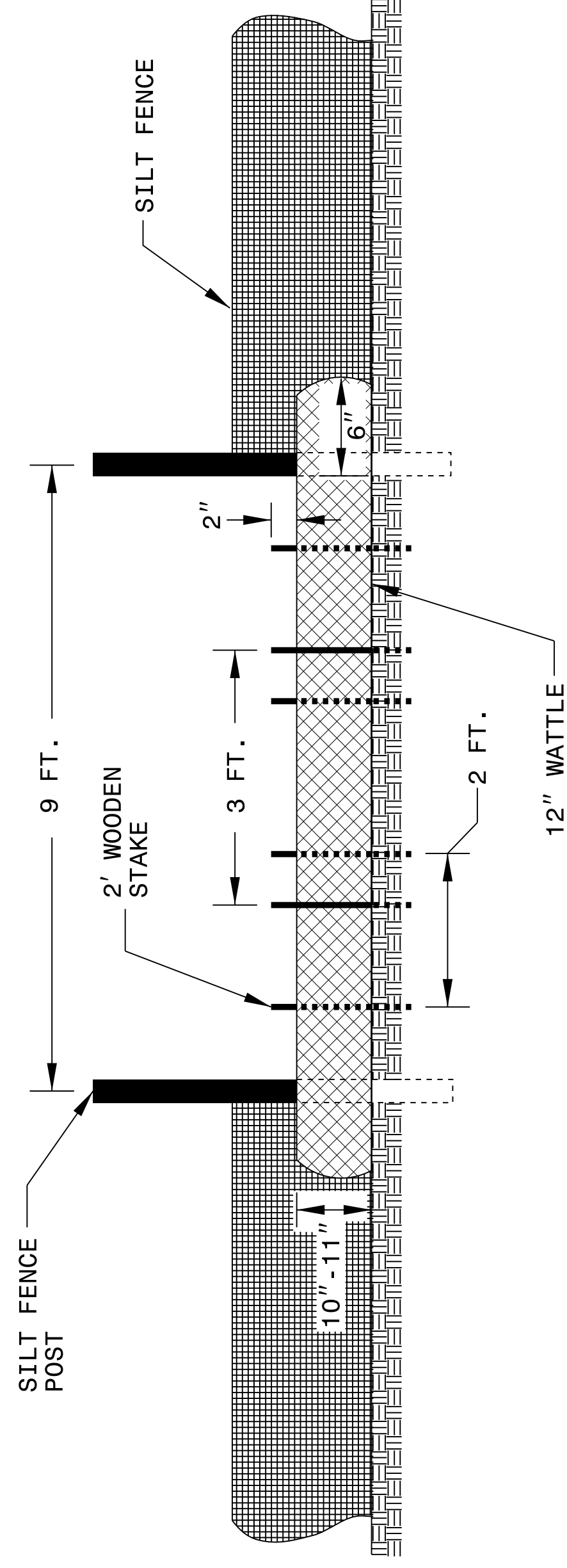


INSET A



VIEW FROM SLOPE

SIDE VIEW



DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.
W-4700A

SHEET NO.
ECA

SOIL STABILIZATION TIMEFRAMES

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
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.

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

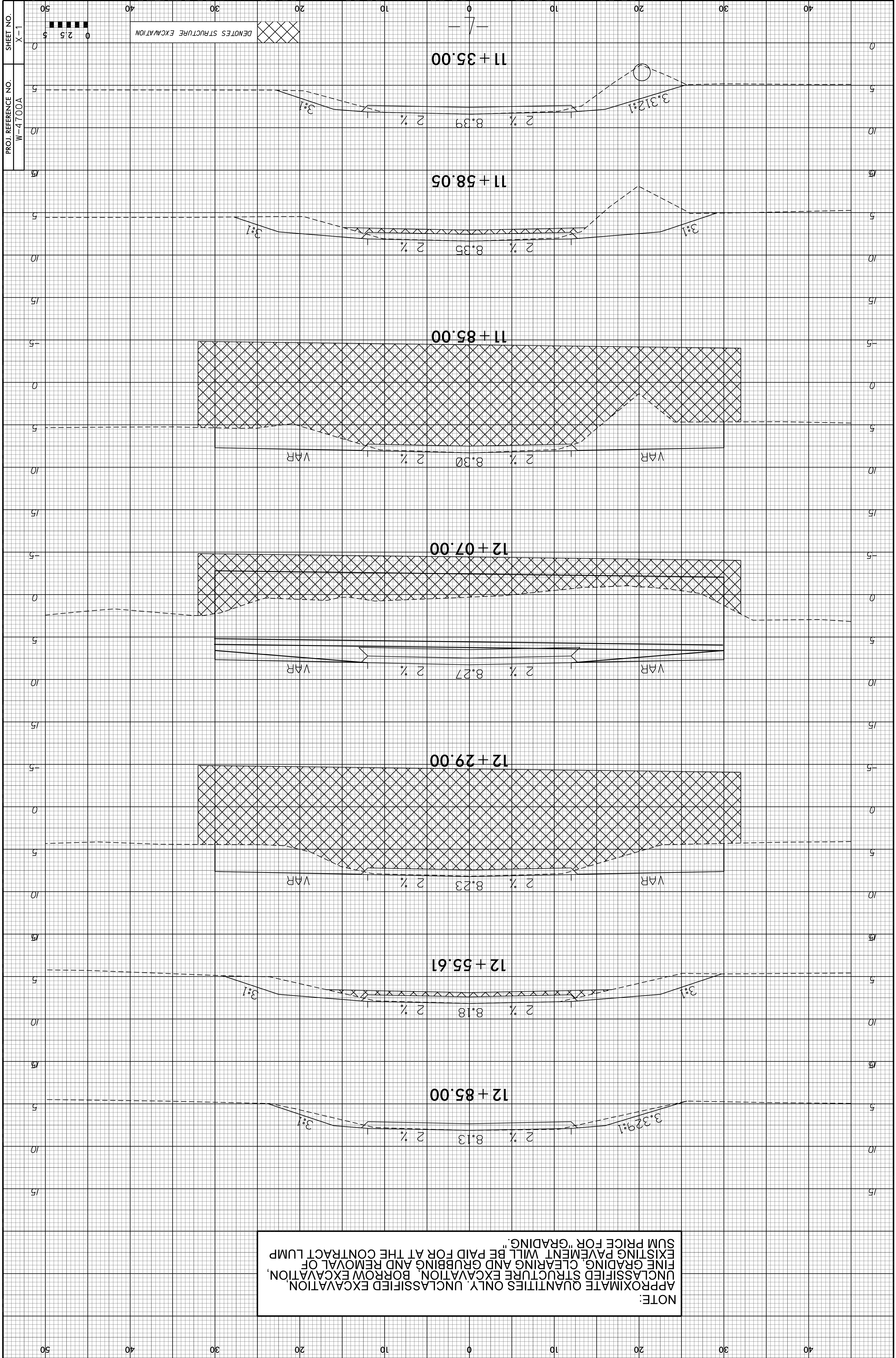
CROSS-SECTION SUMMARY
IN CUBIC YARDS

PROJ. REFERENCE NO. W-4700A	SHEET NO. X-1A
--------------------------------	-------------------

LOCATION (-L)	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBANKMENT	STRUCTURE EXCAVATION
<i>11 + 35.00</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<i>11 + 58.05</i>	<i>15</i>	<i>0</i>	<i>57</i>	<i>0</i>
<i>11 + 85.00</i>	<i>17</i>	<i>0</i>	<i>109</i>	<i>336</i>
<i>12 + 07.00</i>	<i>7</i>	<i>0</i>	<i>292</i>	<i>392</i>
<i>12 + 29.00</i>	<i>7</i>	<i>0</i>	<i>283</i>	<i>397</i>
<i>12 + 55.61</i>	<i>17</i>	<i>0</i>	<i>79</i>	<i>340</i>
<i>12 + 85.00</i>	<i>20</i>	<i>0</i>	<i>35</i>	<i>0</i>

NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT.

NOTE:
APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, UNCLASSIFIED STRUCTURE 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."



NOTE:
 APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION,
 UNCLASSIFIED STRUCTURE 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."

SHEET NO. X-1
 PROJ. REFERENCE NO. W-4700A