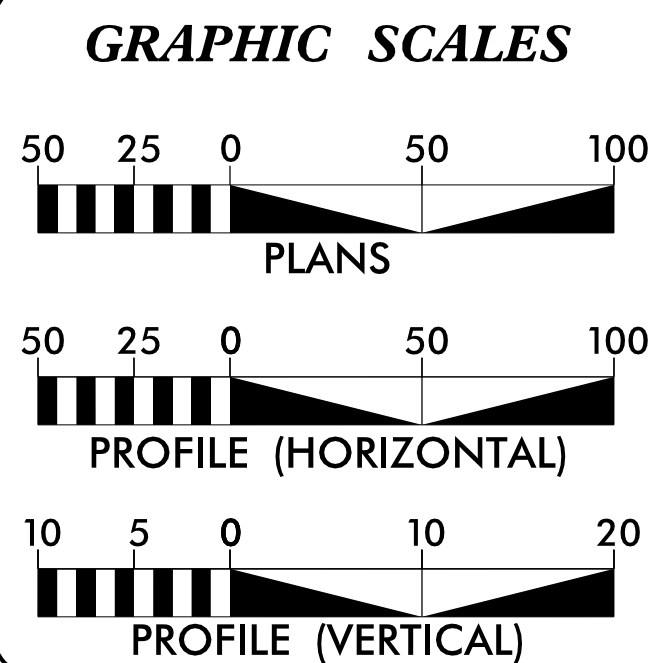
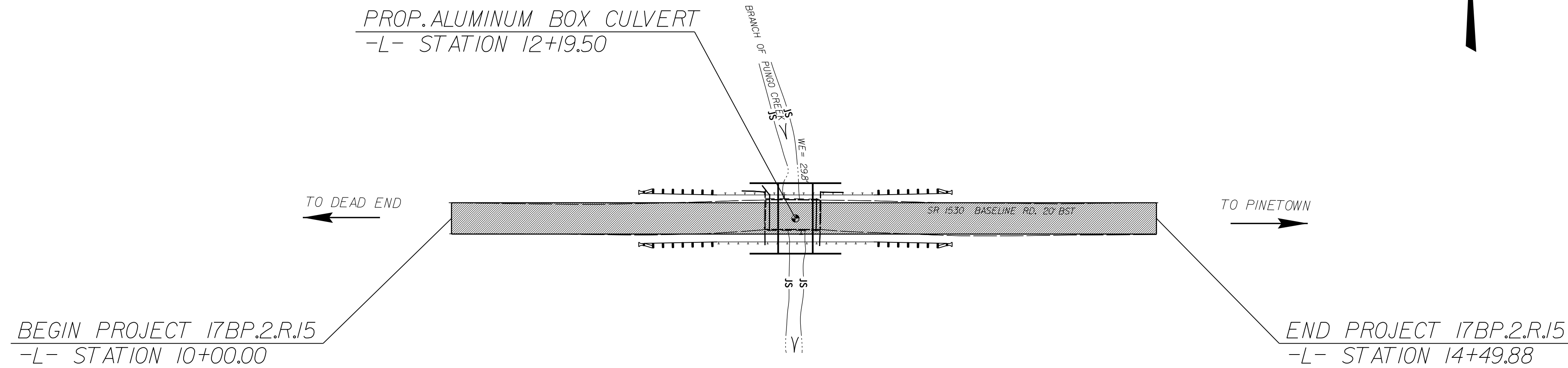


CONTRACT:



NC GRID
NAD 83/NSRS 2007



DESIGN DATA

PROJECT LENGTH

LENGTH ROADWAY PROJECT 17BP.2.R.15 = 0.053 MILES
LENGTH STRUCTURE PROJECT 17BP.2.R.15 = 0.004 MILES
TOTAL LENGTH PROJECT 17BP.2.R.15 = 0.057 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS
1000 Birch Ridge Dr., Raleigh NC, 27610

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

LETTING DATE:
FEBRUARY 2013

DWAYNE ALLIGOOD
PROJECT ENGINEER

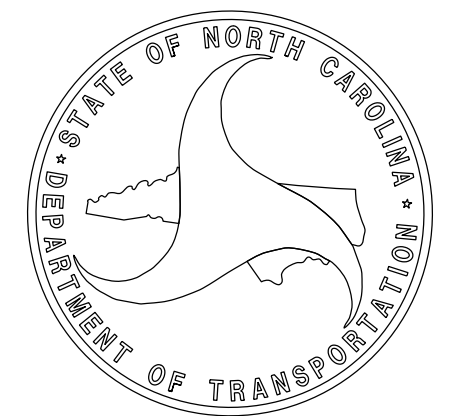
LANG JONES
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER.

SIGNATURE: Dwayne H. Allgood 02

**ROADWAY DESIGN
ENGINEER**

Signature: *Dwayne H. Allgood*



INDEX OF SHEETS

SHEET NUMBER SHEET

1 TITLE SHEET

1A INDEX OF SHEETS, GENERAL NOTES, STANDARD DRAWINGS

1B CONVENTIONAL SYMBOLS2 TYPICAL SECTIONS3 SUMMARY OF QUANTITIES3A SUMMARY OF EARTHWORK.

4	PLAN AND PROFILE SHEET
11	TABLE OF MATERIALS

4A RIGHT OF WAY PLAN

001-004	0111111 CONSTRUCTION FEAS
1001-1000	100010 MANAGEMENT PLANS

EC1-EC3 EROSION CONTROL SHEETS

Y1A CROSS-SECTION SUMMARYX1-X2 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 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.

SUPERELEVATION:

ALL CURVES ON THIS PROJECT SHALL BE SUPERELEVATED IN ACCORDANCE WITH STD. NO. 225.04 USING THE RATE OF SUPERELEVATION AND RUNOFF 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 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:

ALL EXISTING UTILITIES SHOWN ON PLANS ARE APPROXIMATE.

UTILITY OWNERS ON THIS PROJECT ARE AS FOLLOWS:
BEAUFORT CO. WATER DEPT. (WATER) CONTACT: ERICK JENNINGS 252-402-6547
TRI COUNTY TELECOM (PHONE/CATV) CONTACT: CECIL WALKER, JR. 252-964-8000
TIDELAND EMC (ELECTRICAL) CONTACT: MICHAEL MARSLENDER 252-943-3066

RIGHT-OF-WAY MARKERS:

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

Note: Not to Scale

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

CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin	○ EIP
Property Corner	----->
Property Monument	□ ECM
Parcel/Sequence Number	(I23)
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 ---
Known Soil Contamination: Area or Site	☠ ☠
Potential Soil Contamination: Area or Site	☠ ?

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	○ CSX TRANSPORTATION 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 C/A 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	XXXX

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	⊙
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	● ●
Recorded U/G Power Line	--- P ---
Designated U/G Power Line (S.U.E.*)	--- P ---

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	--- T ---
Designated U/G Telephone Cable (S.U.E.*)	--- T ---
Recorded U/G Telephone Conduit	--- TC ---
Designated U/G Telephone Conduit (S.U.E.*)	--- TC ---
Recorded U/G Fiber Optics Cable	--- T FO ---
Designated U/G Fiber Optics Cable (S.U.E.*)	--- T FO ---

WATER:

Water Manhole	⊙
Water Meter	○
Water Valve	⊗
Water Hydrant	⊙
Recorded U/G Water Line	--- W ---
Designated U/G Water Line (S.U.E.*)	--- W ---
Above Ground Water Line	--- A/G Water ---

TV:

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

GAS:

Gas Valve	◇
Gas Meter	⊙
Recorded U/G Gas Line	--- G ---
Designated U/G Gas Line (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 ---
Recorded SS Forced Main Line	--- FSS ---
Designated SS Forced Main Line (S.U.E.*)	--- FSS ---

MISCELLANEOUS:

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

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
SP	1	LS	GRADING
SP	100	CY	UNDERCUT EXCAVATION
520	45	TON	AGGREGATE BASE COURSE
610	190	TON	ASPHALT CONCRETE BASE COURSE,TYPE B25.0B
610	125	TON	ASPHALT CONCRETE INTERMEDIATE COURSE,TYPE 119.0B
610	100	TON	ASPHALT CONCRETE SURFACE COURSE,TYPE SF9.5A
620	25	TON	ASPHALT BINDER FOR PLANT MIX,GRADE PG64-22
862	200	LF	STEEL BEAM GUARDRAIL
876	200	SY	GEOTEXTILE FOR DRAINAGE
SP	4	EA	GUARDRAIL ANCHOR UNITS,TYPE 350
1605	150	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	0.1	TON	FERTILIZER FOR TEMPORARY SEEDING
1630	30	CY	SILT EXCAVATION
1631	1400	SY	MATTING FOR EROSION CONTROL
SP	350	LF	WATTLE
SP	10	LB	POLYACRYLAMIDE (PAM)
1632	100	LF	1/4" HARDWARE CLOTH
1660	1	ACRE	SEEDING AND MULCHING
1661	50	LB	SEED FOR REPAIR SEEDING
1661	0.2	TON	FERTILIZER FOR REPAIR SEEDING
SP	10	SY	TURBIDITY CURTAIN
SP	3	EA	RESPONSE FOR EROSION CONTROL
402	1	LS	REMOVAL OF EXISTING STRUCTURE AT -L- STATION 12+19.50
SP	1	LS	1 @ 9'-3" X 22'-1" CORRUGATED ALUMINUM BOX CULVERT WITH HEADWALLS AT -L- STATION 12+19.50
SP	1	LS	RELOCATE EXISTING 6" WATER MAIN

[illegible]

SUMMARY OF EARTHWORK IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	STRUCTURE EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
–L– 10 + 00.00 – 14 + 49.88	315	1408	0	953	638	1408
UNDERCUT (CONTINGENCY)	0	0	100	120	120	100
SUB TOTAL	315	1408	100	1073	758	1508
SAY	320	1410	100	1080	760	1510

LINE	STATION – STATION	LOCATION	REMOVAL (SY)
–L–	11 + 00.00 – 11 + 99.65	CL	220
–L–	12 + 35.73 – 13 + 50.00	CL	258
TOTAL			478
SAY			480

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."

GUARDRAIL SUMMARY

[illegible]

PROJECT REFERENCE NO.
17BP.2.R.15

SHEET NO.
4

R/W SHEET NO.

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL

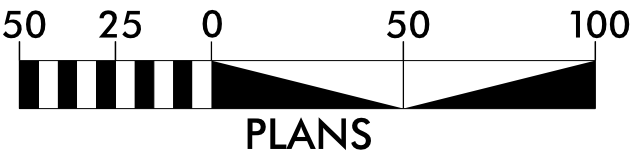
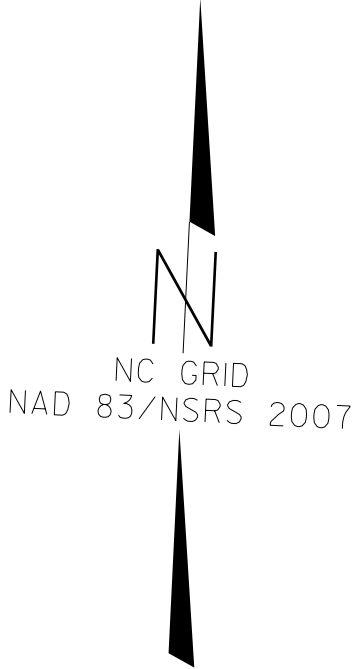
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02/07/2013

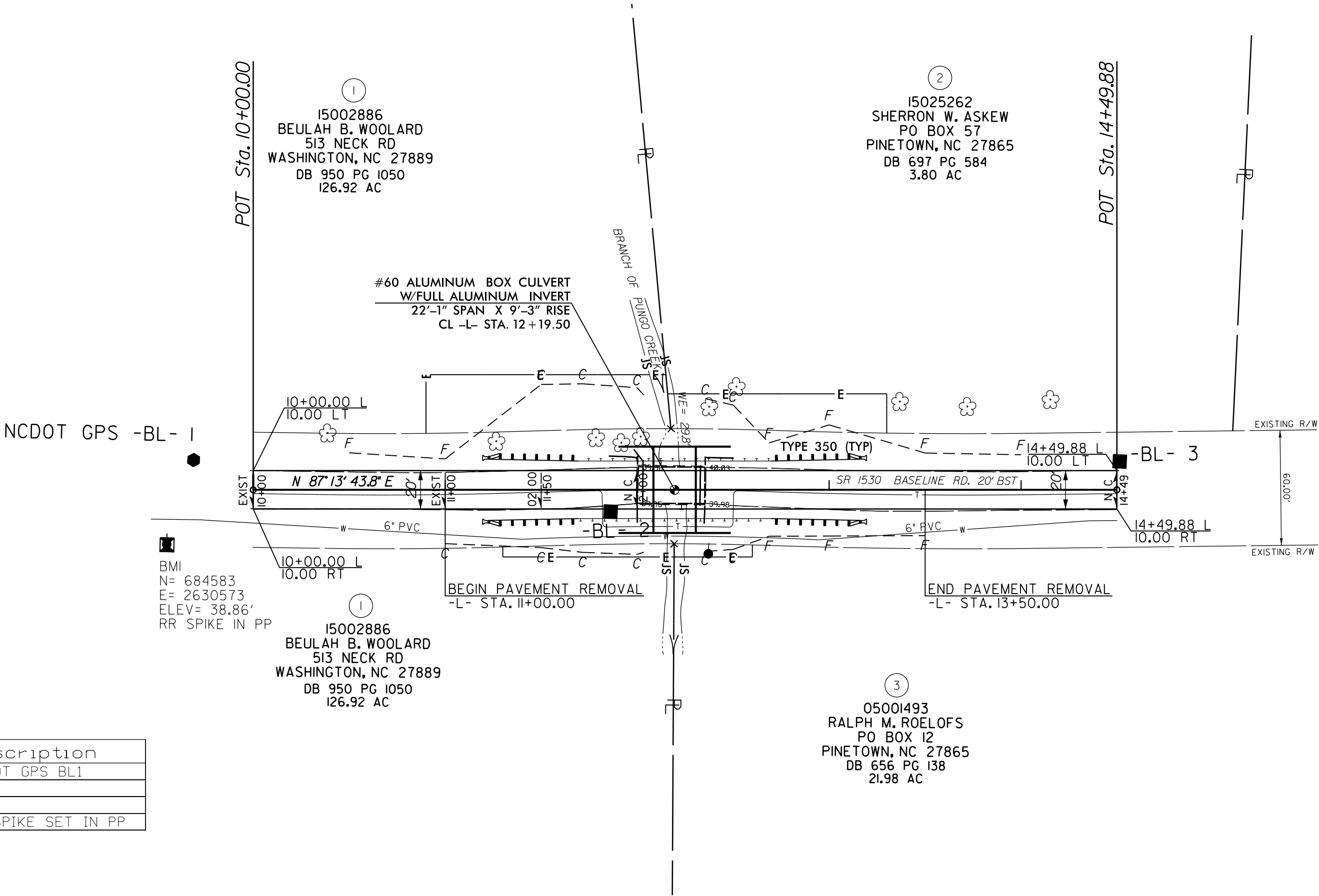
NORTH CAROLINA PROFESSIONAL SEAL

16710

02/07/2013



Point	North	East	Elevation	Description
BL1	684627.36	2630585.09	39.68	NCDOT GPS BL1
BL2	684610.96	2630803.33	39.02	BL-2
BL3	684649.91	2631066.95	43.35	BL-3
BMI	684582.57	2630573.38	38.86	RR SPIKE SET IN PP



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "BL-1"

WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF
NORTHING: 684627.358(±) EASTING: 2630585.086(±)
ELEVATION: 39.681(±)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999896220

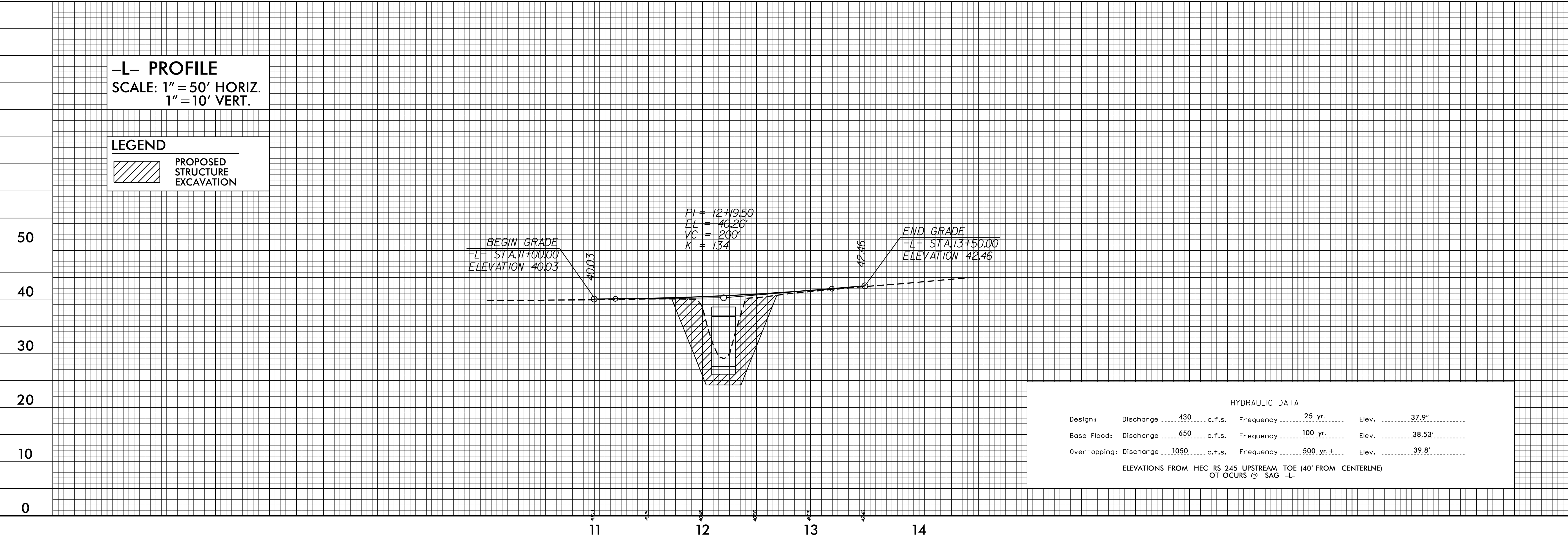
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "BL-1" TO -EL- STATION 10+00.00 IS
S 66°13'50.8" E 34.74'

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

-L- PROFILE
SCALE: 1" = 50' HORIZ.
1" = 10' VERT.

LEGEND

PROPOSED STRUCTURE EXCAVATION



HYDRAULIC DATA				
Design:	Discharge	430 c.f.s.	Frequency	25 yr. Elev. 37.9'
Base Flood:	Discharge	650 c.f.s.	Frequency	100 yr. Elev. 38.53'
Overtopping:	Discharge	1050 c.f.s.	Frequency	500 yr. Elev. 39.8'
ELEVATIONS FROM HEC RS 245 UPSTREAM TOE (40' FROM CENTERLINE) OT OCCURS @ SAG -L-				

PARCEL NO.	PROPERTY OWNER NAME	LOCATION	TOTAL PARCEL AREA [ACRES]	AREA TO BE DEDICATED (CONST. EASEMENT) [ACRES]	AREA TO BE PURCHASED (RIGHT OF WAY) [ACRES]	PARCEL AREA REMAINING [ACRES]
1	BEULAH B. WOOLARD	LT	126.92	0.085		126.82
		RT		0.013		
2	SHERRON W. ASKEW	LT	3.80	0.050		3.75
3	RALPH M. ROELOFS	RT	21.98	0.006		21.97



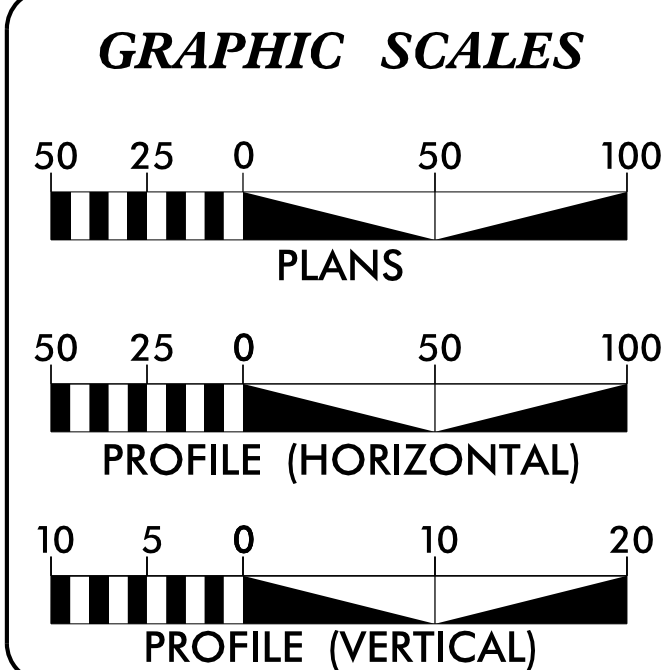
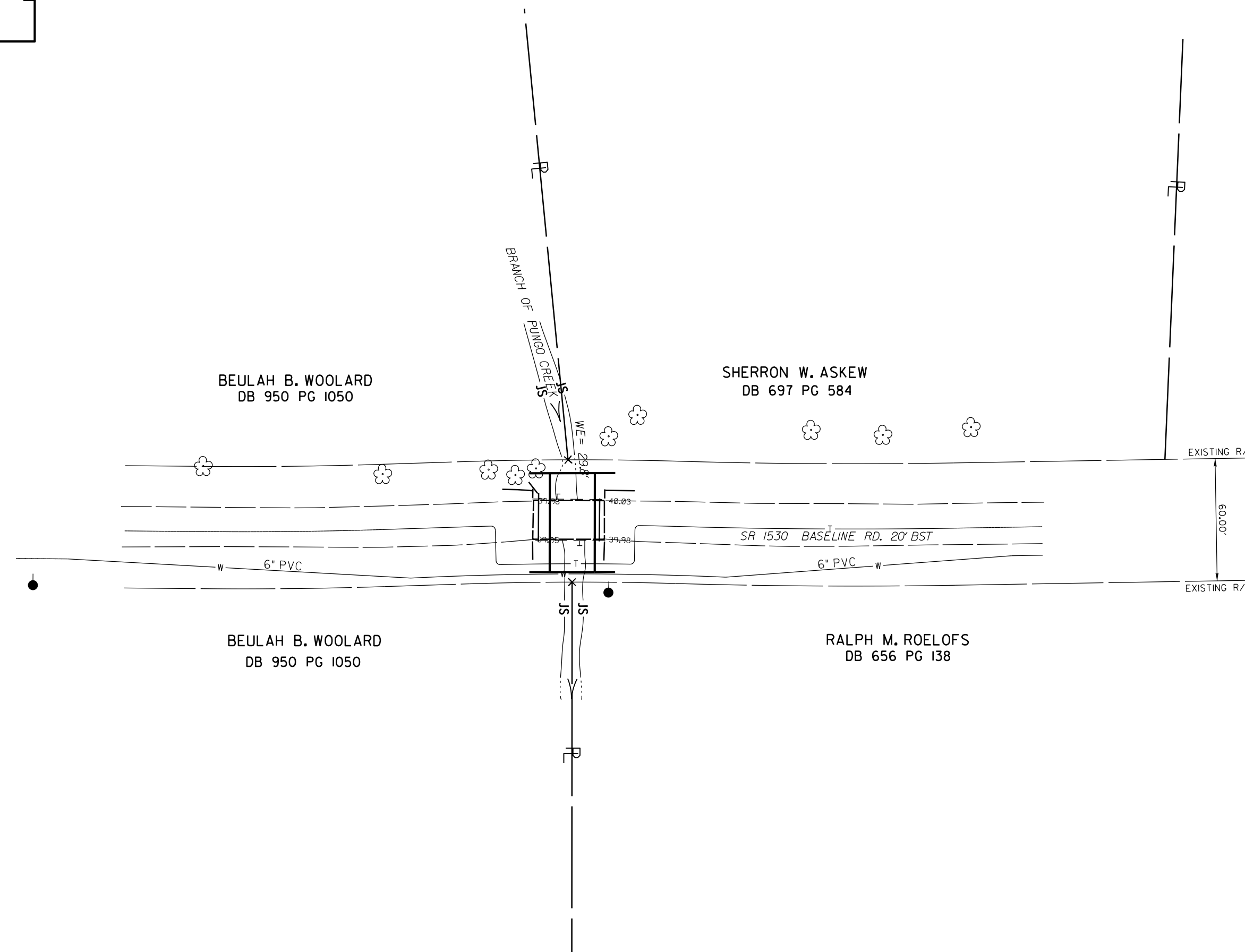
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CONTRACT:



BEAUFORT COUNTY

***TYPE OF WORK: UTILITY CONSTRUCTION
WATER MAIN RELOCATION***

[illegible]

DESIGN DATA

PROJECT LENGTH

LENGTH ROADWAY PROJECT 17BP.2.R.15 = 0.053 MILES
LENGTH STRUCTURE PROJECT 17BP.2.R.15 = 0.004 MILES
TOTAL LENGTH PROJECT 17BP.2.R.15 = 0.057 MILES

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2012 STANDARD SPECIFICATIONS

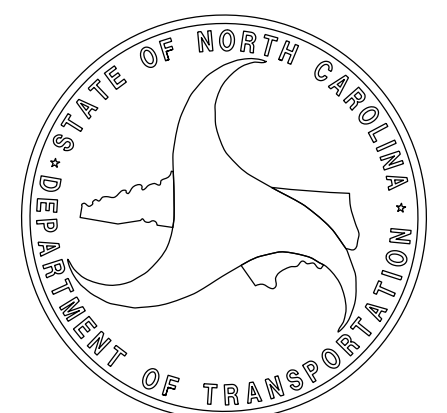
RIGHT OF WAY DATE:
N/A

LETTING DATE:
FEBRUARY, 2013

UTILITIES ENGINEER

01/28/2013

Signature: Dwayne H. Allgood P.E.



8/17/99

REVISIONS

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PROJECT REFERENCE NO.	SHEET NO.
17BP.2.RJ5	UC2

UTILITIES
ENGINEER



UTILITY CONSTRUCTION

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS SUMMARY OF QUANTITIES

<u>WATER MAIN</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM DESCRIPTION</u>
	40	LF	6" DI PIPE
	377	LF	8" HDPE PIPE DR9 (AWWA C906)
	2	EA	6" GATE VALVE AND VALVE BOX
	2	EA	DI PIPE TO HDPE TRANSITION
	2	EA	CONCRETE THRUST COLLAR
	100	LF	TEMPORARY SILT FENCE
	0.2	ACRES	SEEDING AND MULCHING

8/17/99

REVISIONS

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17BP.2.R.15

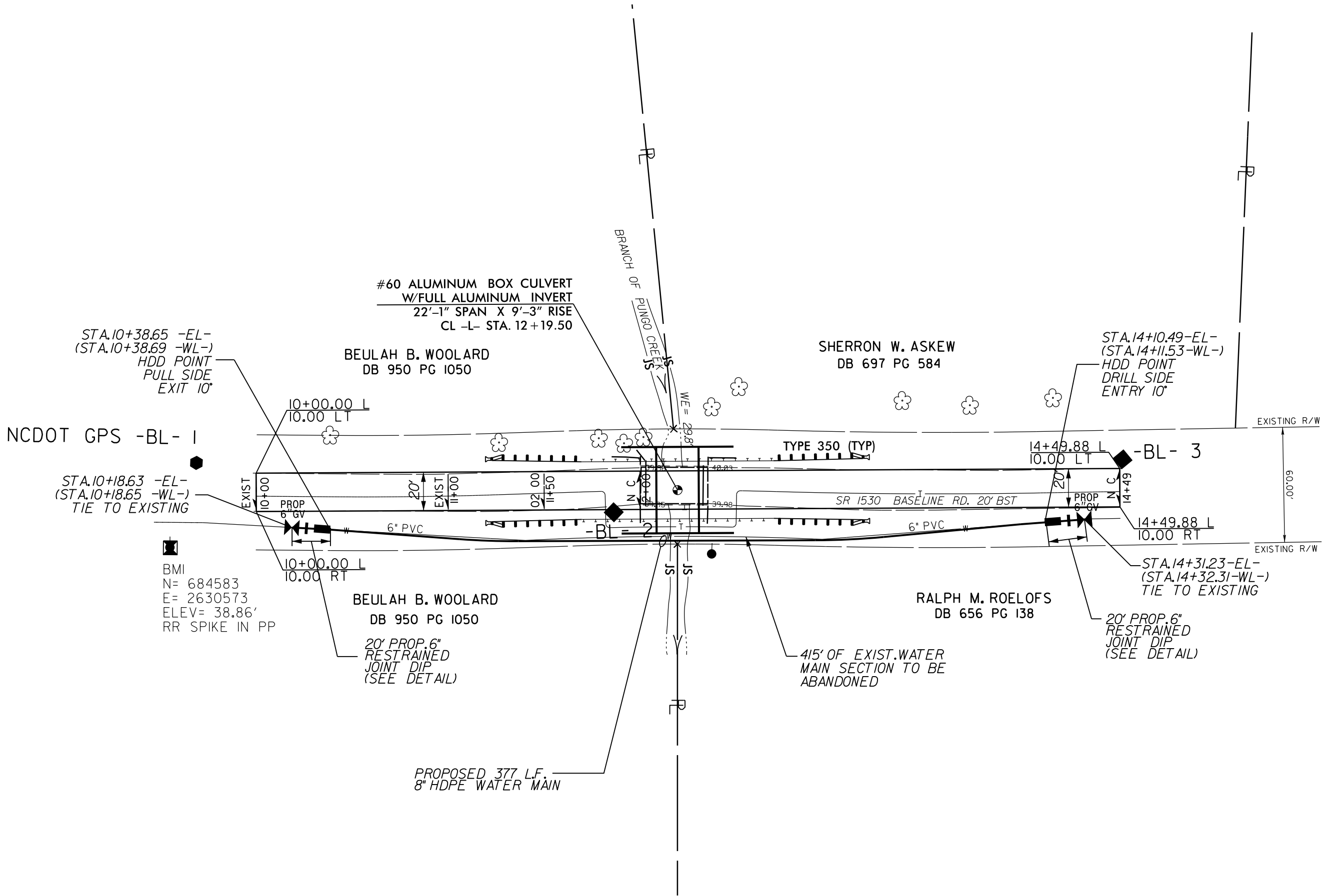
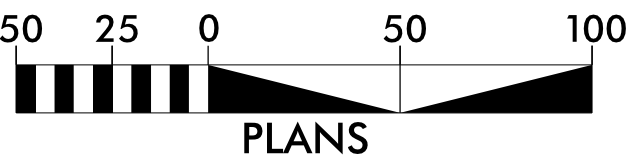
SHEET NO.
U-3

UTILITY ENGINEER

01/28/2013

- LEGEND:
- Gate Valve GV
- HDPE to DIP Transition ■
- Thrust Collar I

NC GRID
NAD 83/NSRS 2007



- NOTES:
- WATER MAIN
1. 8" HDPE WATER MAIN TO CONFORM TO THE FOLLOWING: AWWA C906, PRESSURE CLASS 200, DR9, DUCTILE IRON PIPE SIZE (DIPS) DIMENSIONS, AND MATERIAL DESIGNATION PE 3408 AND NSF APPROVED FOR POTABLE WATER.
2. THE PROPOSED WATER MAIN RELOCATION DOES NOT IMPACT ANY ENVIRONMENTALLY SENSITIVE AREAS.
3. LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES SHALL BE FIELD VERIFIED BY CONTRACTOR AND MAINTAIN 18" MINIMUM VERTICAL SEPARATION.

DATUM DESCRIPTION

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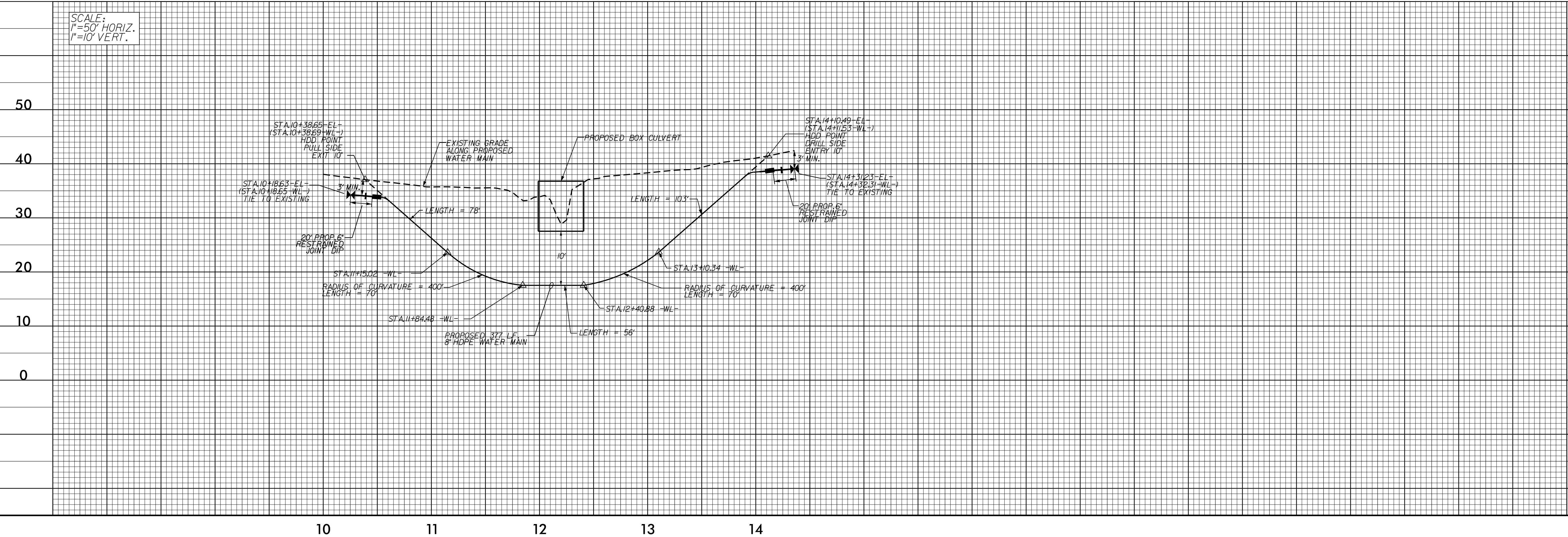
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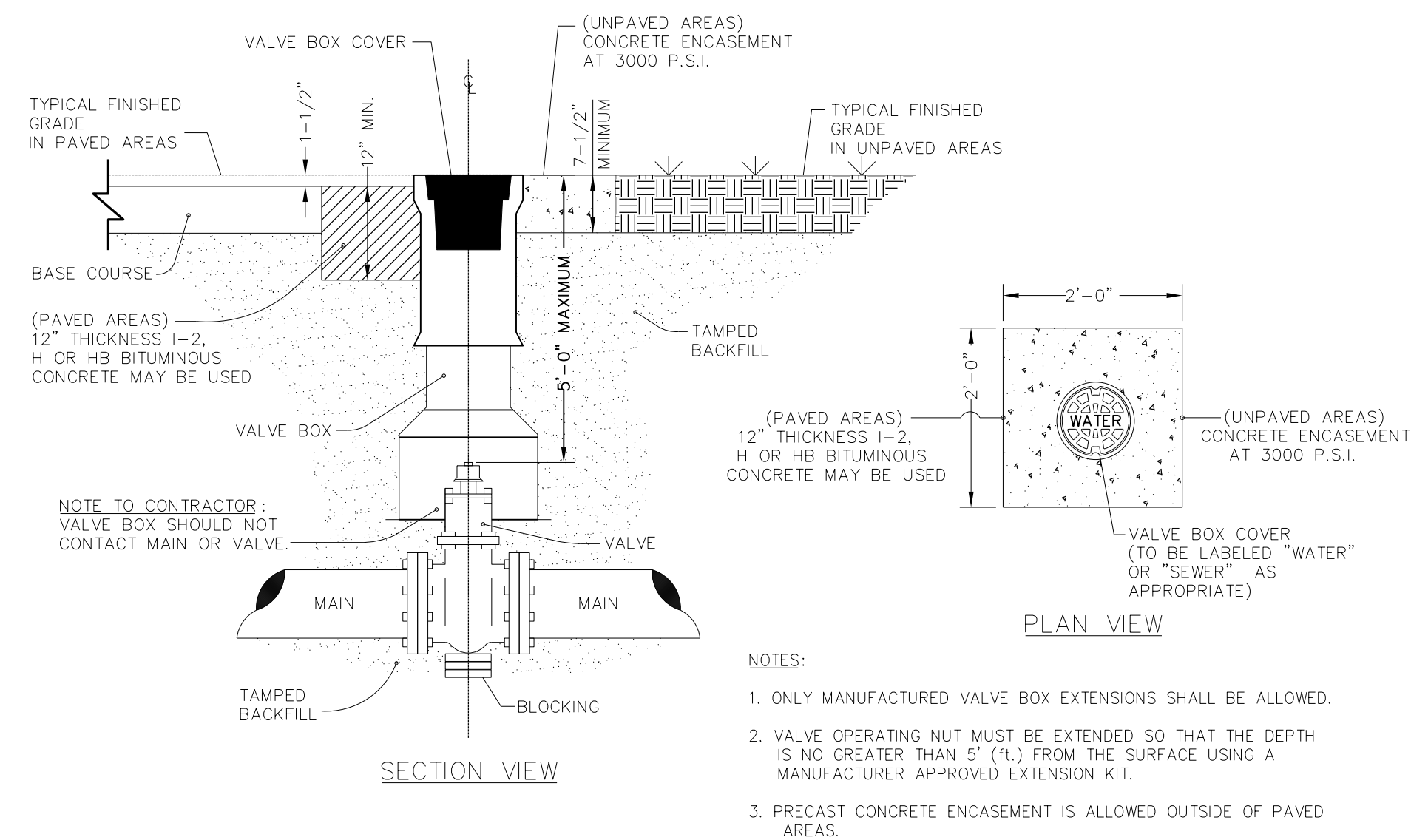
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VERTICAL DATUM USED IS NAVD 88

PROFILE ALONG PROPOSED WATER MAIN -WL-

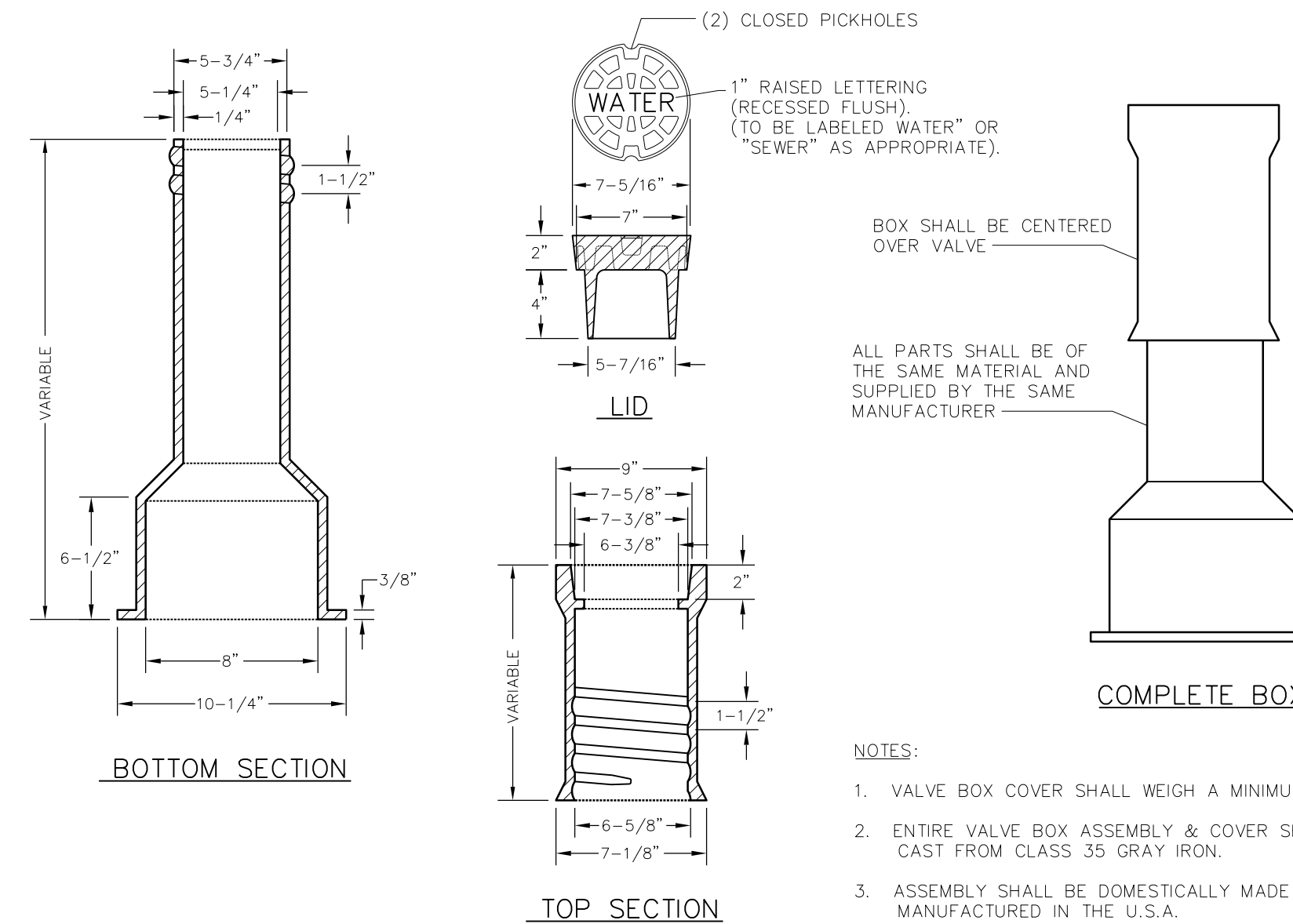
SCALE:
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1"=10' VERT.



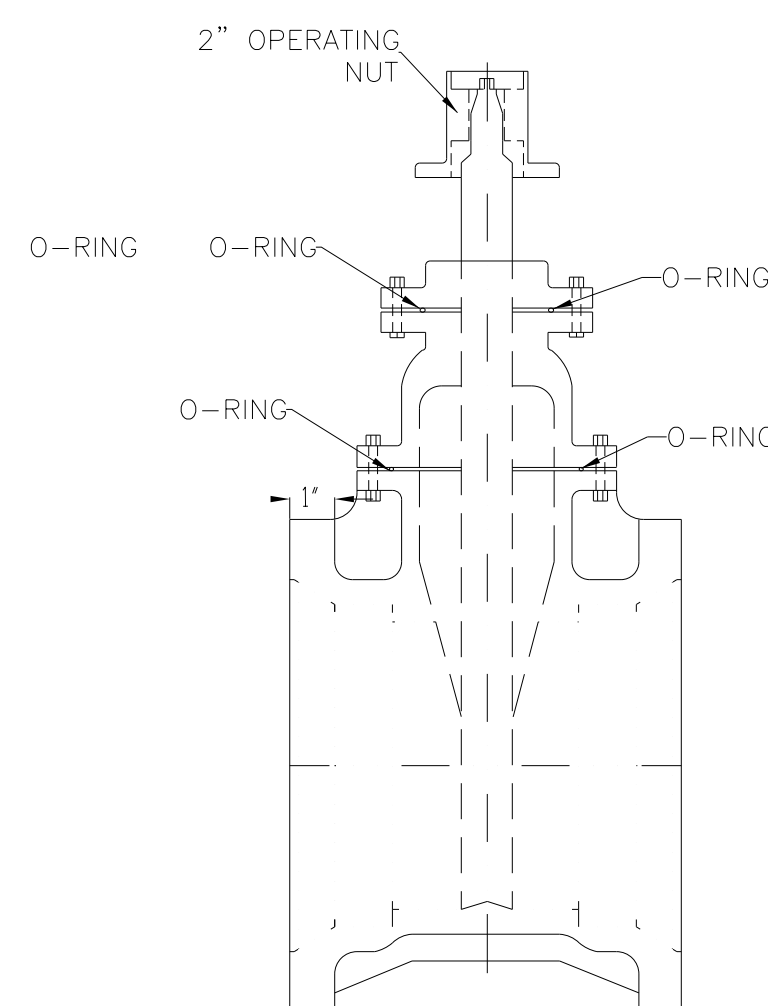
UTILITY CONSTRUCTION DETAIL SHEET



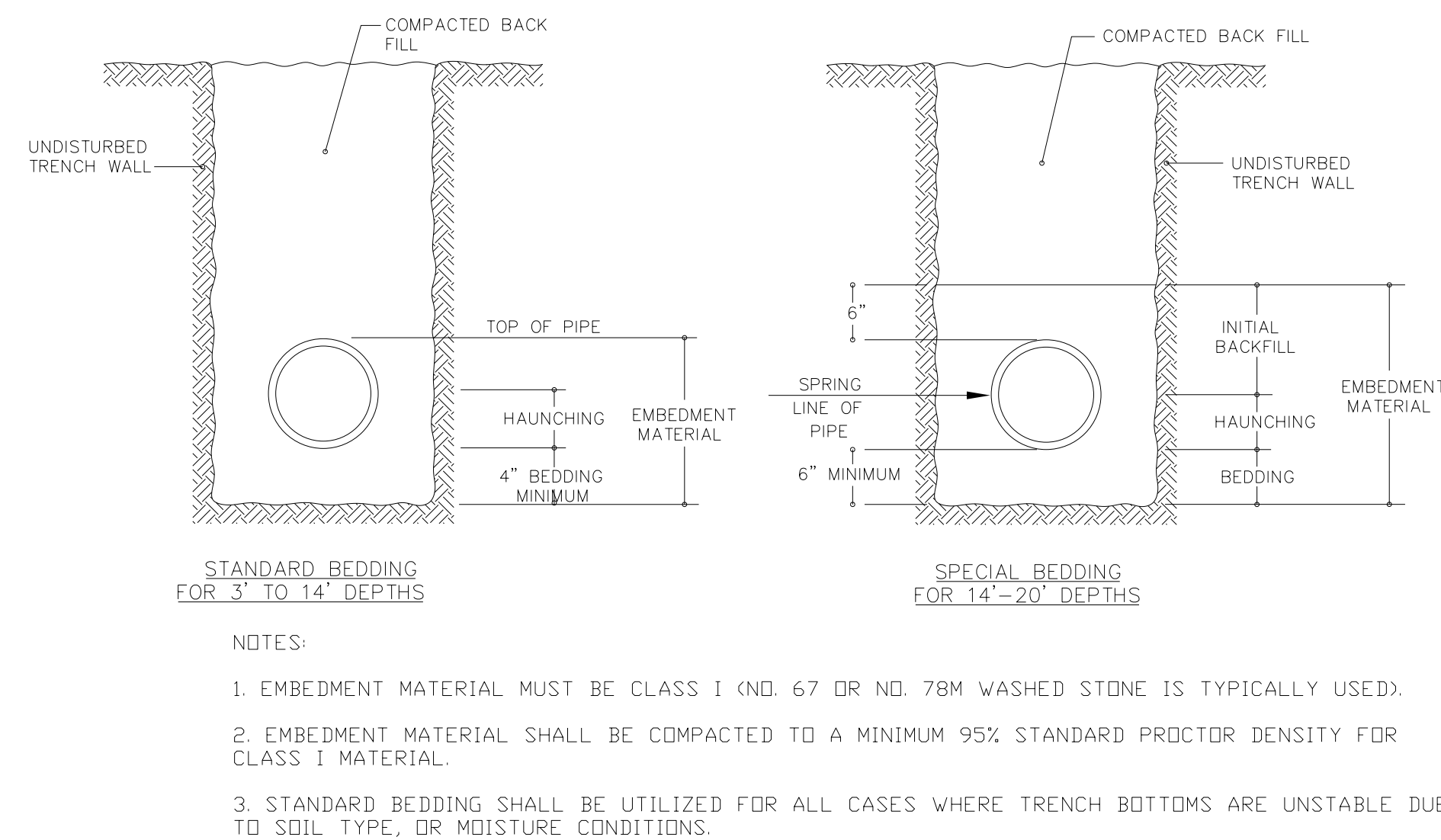
TYPICAL VALVE BOX
NTS



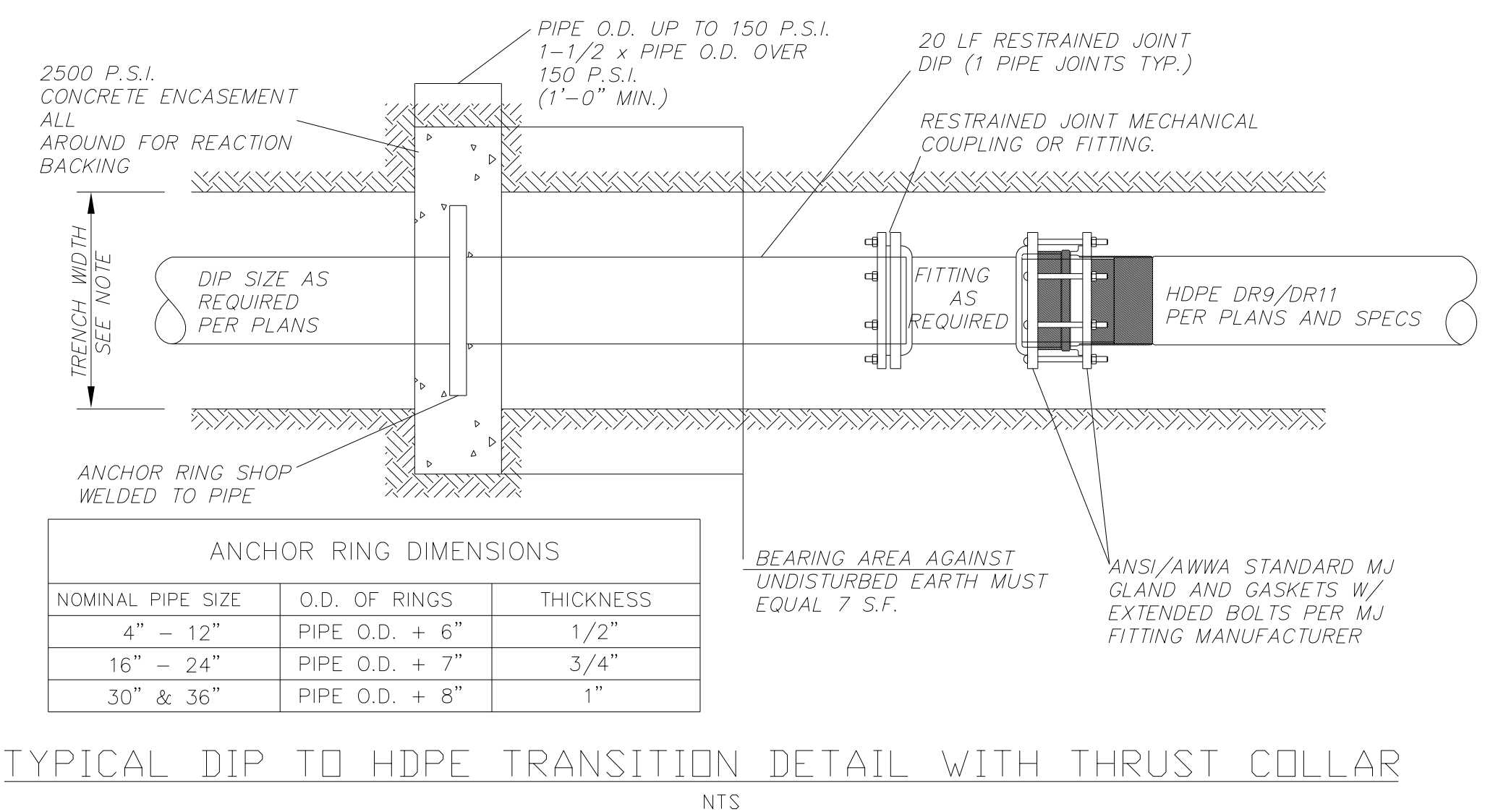
TYPICAL VALVE BOX
NTS



TYPICAL RESILIENT MECHANICAL
JOINT GATE VALVE DETAIL



TYPICAL BEDDING FOR FLEXIBLE & SEMI-RIGID PIPE

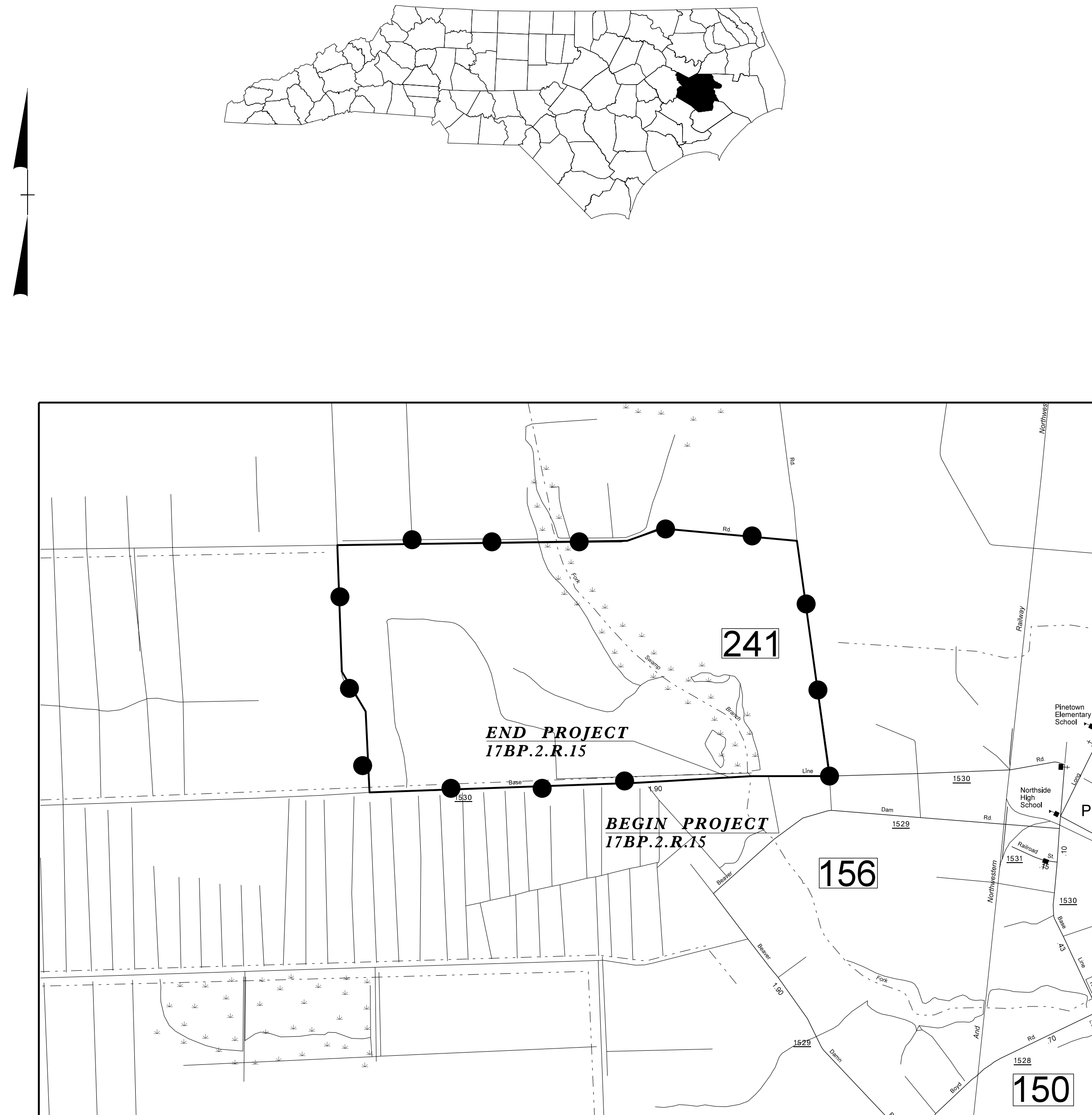


TYPICAL DIP TO HDPE TRANSITION DETAIL WITH THRUST COLLAR

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

BEAUFORT COUNTY



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 JANAUARY 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

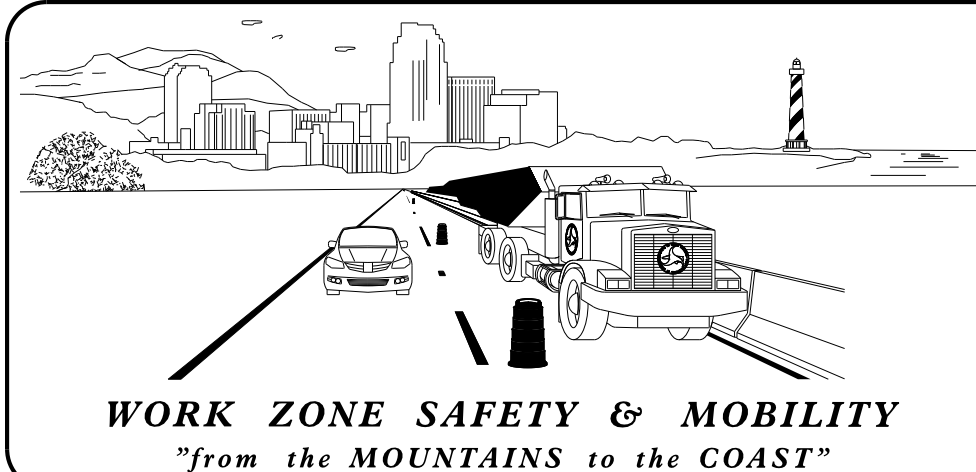
LEGEND

GENERAL

	DIRECTION OF TRAFFIC FLOW
	DIRECTION OF PEDESTRIAN TRAFFIC FLOW
	EXIST. PVMT.
	NORTH ARROW
	PROPOSED PVMT.
	WORK AREA

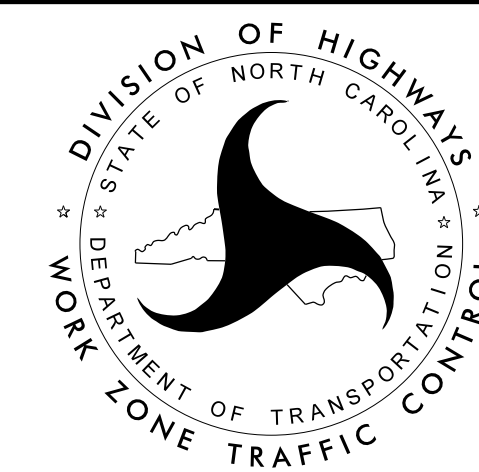
TRAFFIC CONTROL DEVICES

	BARRICADE (TYPE III)
	CONE
	DRUM
	SKINNY DRUM
	TUBULAR MARKER



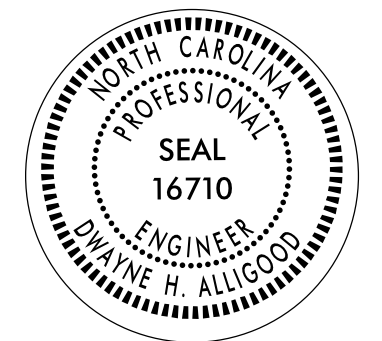
N.C.D.O.T. DIVISION TWO DDC
P.O. BOX 1587
GREENVILLE, NC 27835
PHONE 252-439-2800

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



APPROVED:
DATE: 02/07/2013

SEAL



17BP.2.R.15

PROJECT:

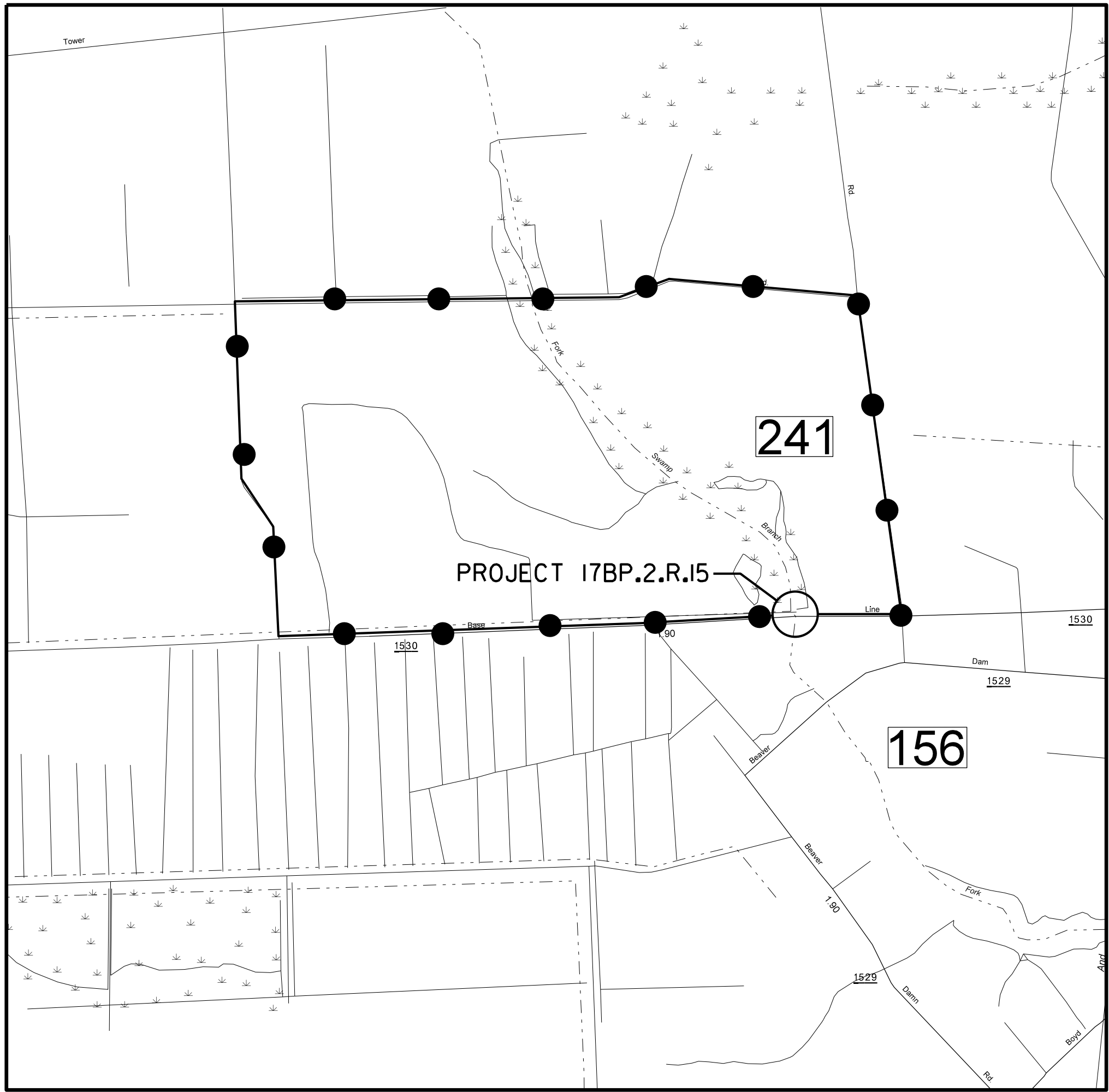
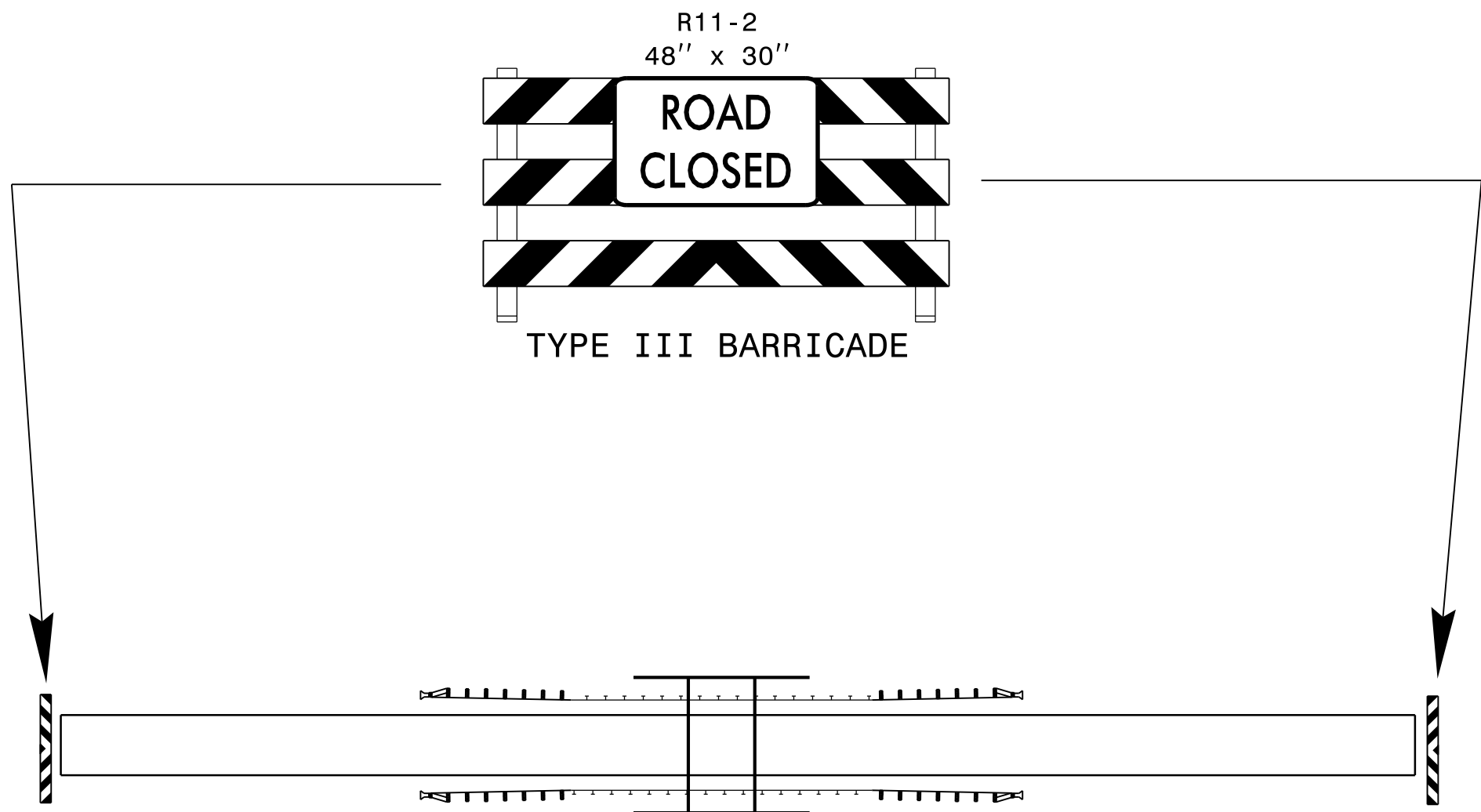
REVISIONS

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.



DETOUR ROUTE



APPROVED *Deanne H. Allgood* DATE: 02/07/2015

SEAL

PROFESSIONAL ENGINEER
DIVINE H. ALLGOOD
SEAL 16710
NORTH CAROLINA

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL

PROJECT NOTES,
DETOUR AND PLANS

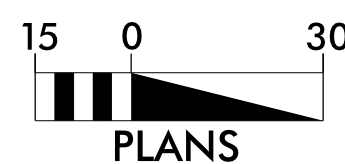
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\$\$\$\$\$USERNAME\$\$\$\$\$



PLAN FOR PROPOSED

EROSION AND SEDIMENT CONTROL MEASURES

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

The seal of the North Carolina Department of Transportation is a circular emblem. It features a stylized, flowing line that forms a shape reminiscent of a road or a ribbon, curving from the bottom left towards the top right. The words "STATE OF NORTH CAROLINA" are inscribed along the top inner edge of the circle, and "DEPARTMENT OF TRANSPORTATION" is inscribed along the bottom inner edge.

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 Catchment	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		

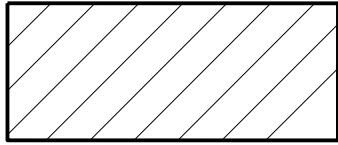
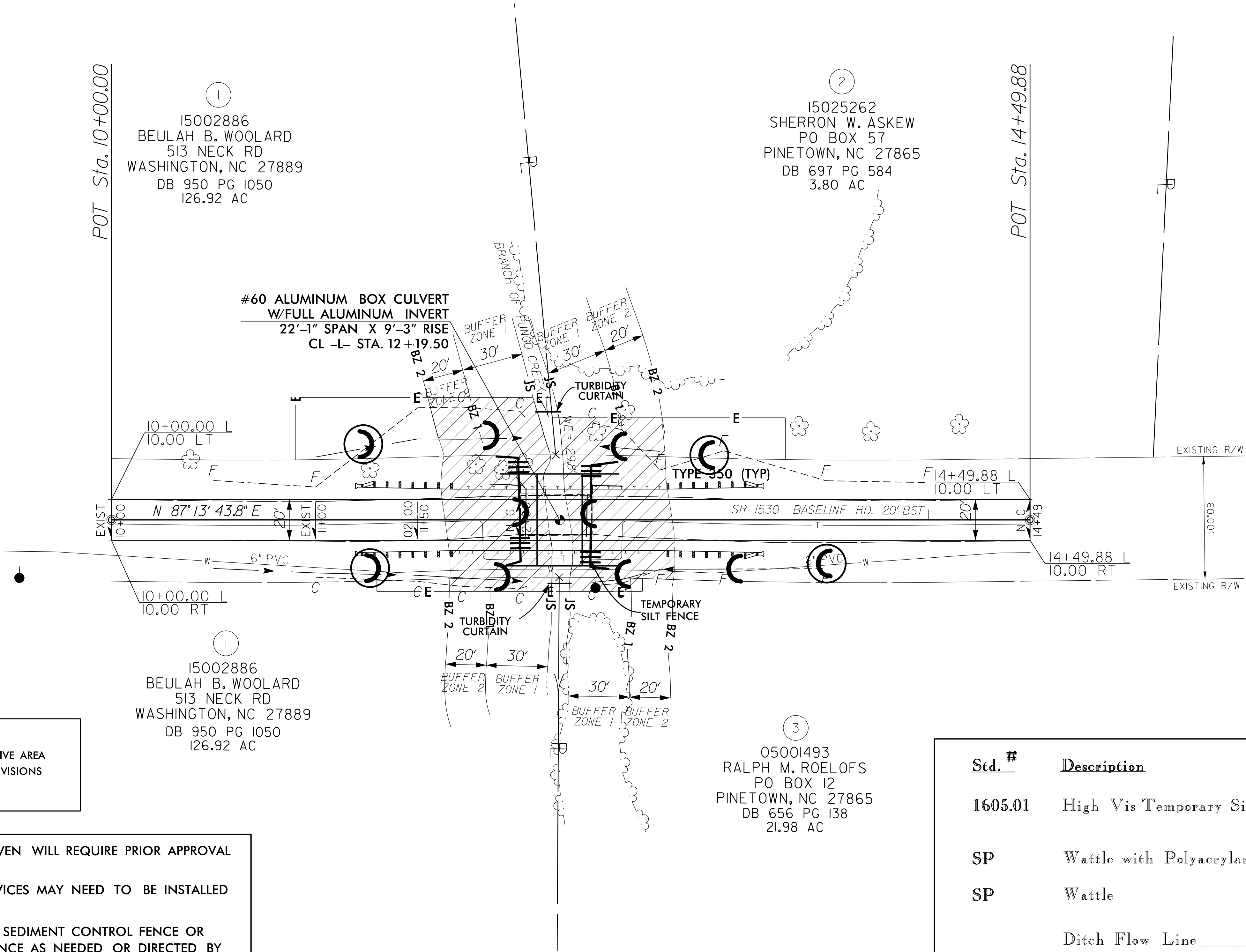
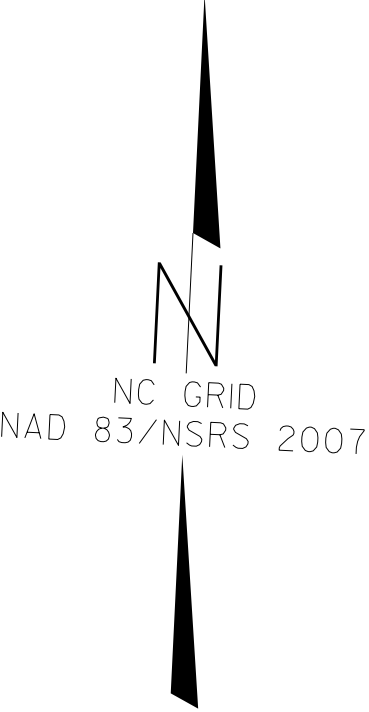
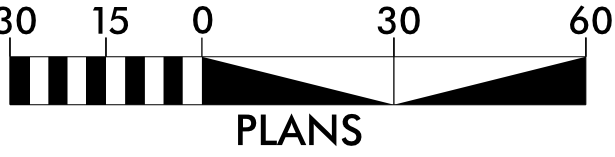
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REVISIONS

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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.

PROJECT REFERENCE NO.	SHEET NO.
17BP.2.R.15	EC2

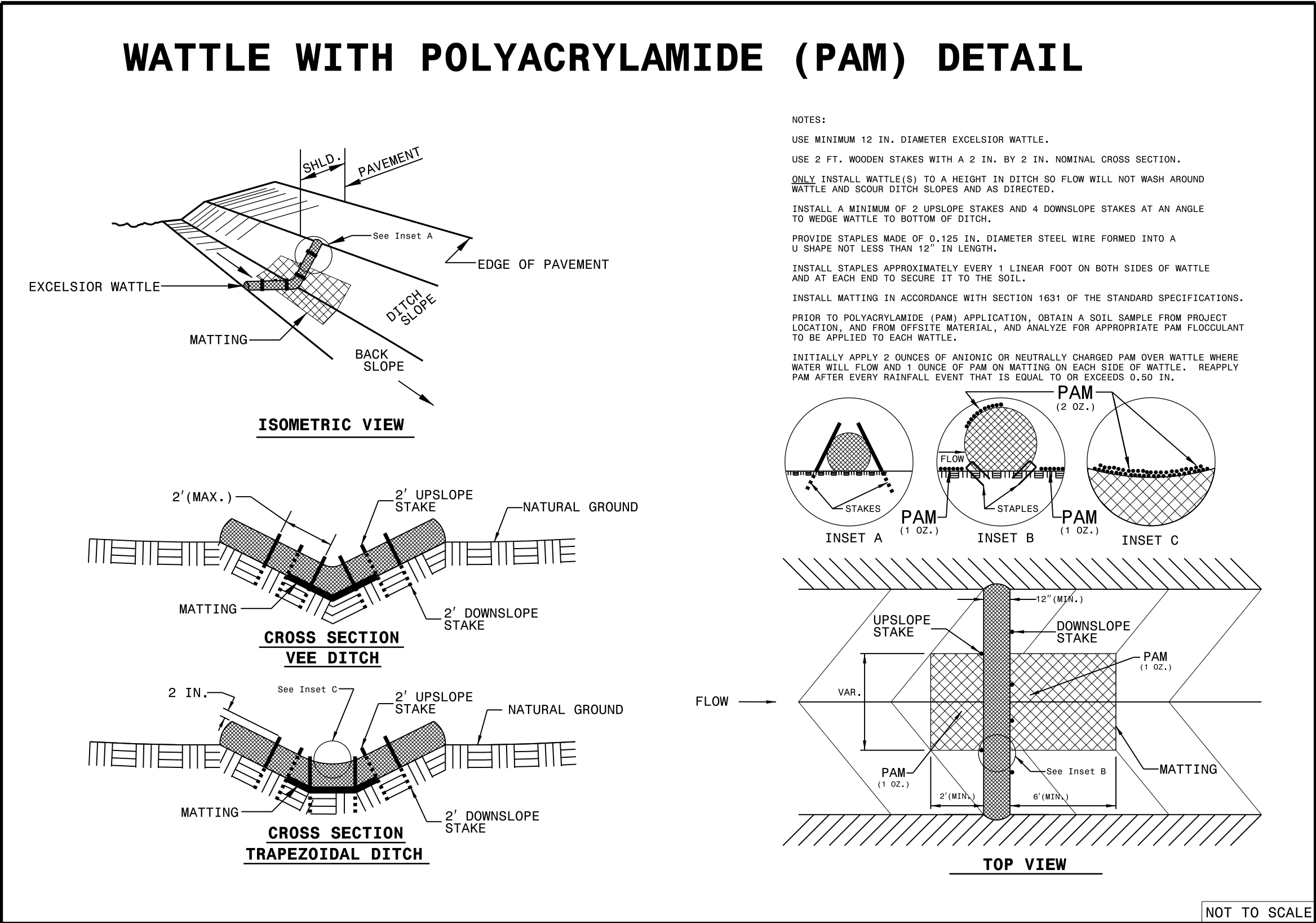
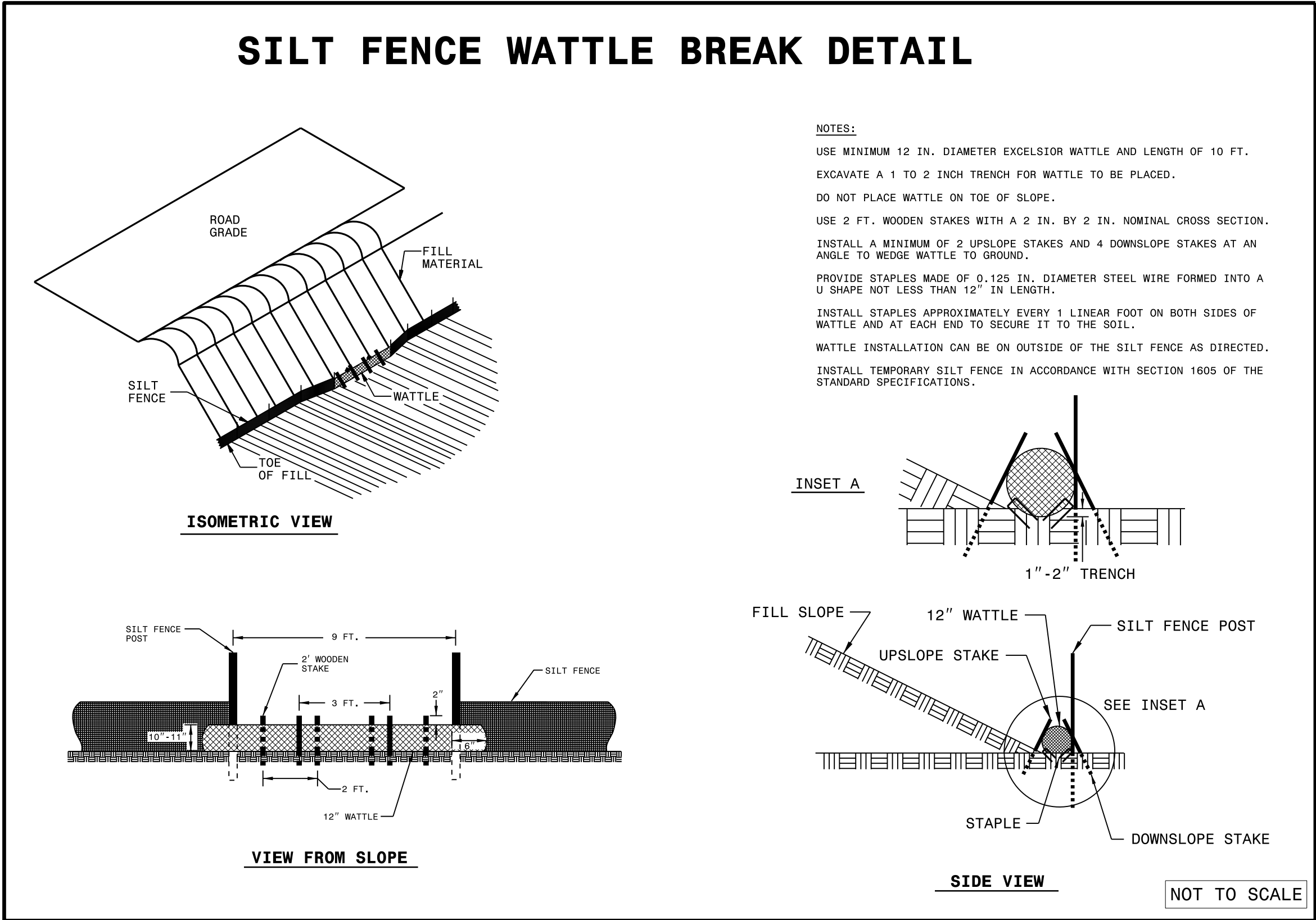
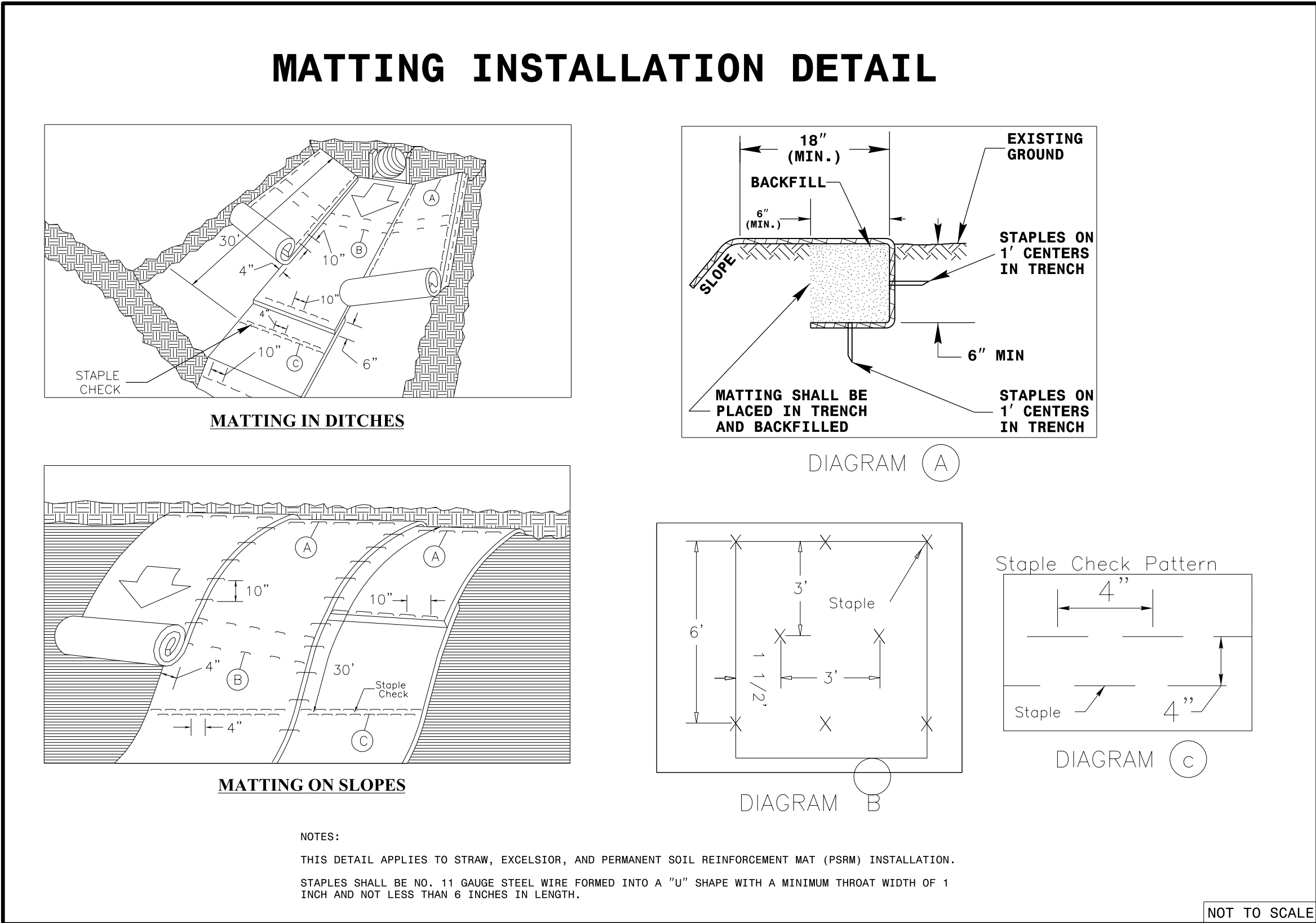
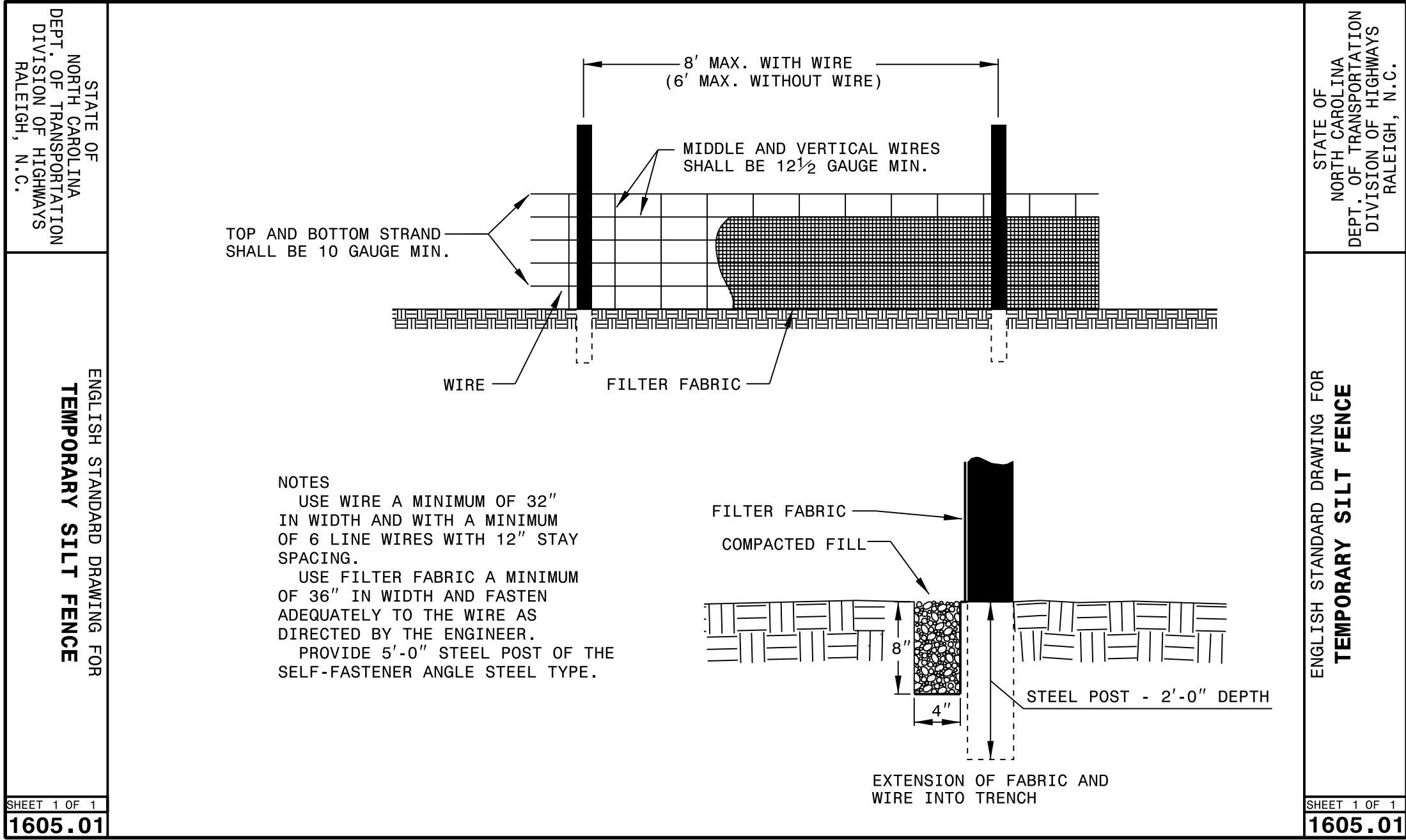


ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

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.

Std. #	Description	Symbol
1605.01	High Vis Temporary Silt Fence.....	
SP	Wattle with Polyacrylamide.....	
SP	Wattle.....	
	Ditch Flow Line.....	

REVISIONS



DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

CROSS-SECTION SUMMARY
IN CUBIC YARDS

LOCATION (-L-)	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBANKMENT	STRUCTURE EXCAVATION
10+50.00	0	0	0	0
11+00.00	3	0	13	0
11+50.00	75	0	72	0
11+71.66	76	0	65	0
12+00.00	101	0	119	326
12+03.46	9	0	26	72
12+19.50	18	0	223	240
12+35.54	7	0	175	301
12+50.00	10	0	43	310
12+68.70	8	0	22	159
13+00.00	5	0	13	0
13+50.00	1	0	14	0
14+00.00	2	0	10	0

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."

