

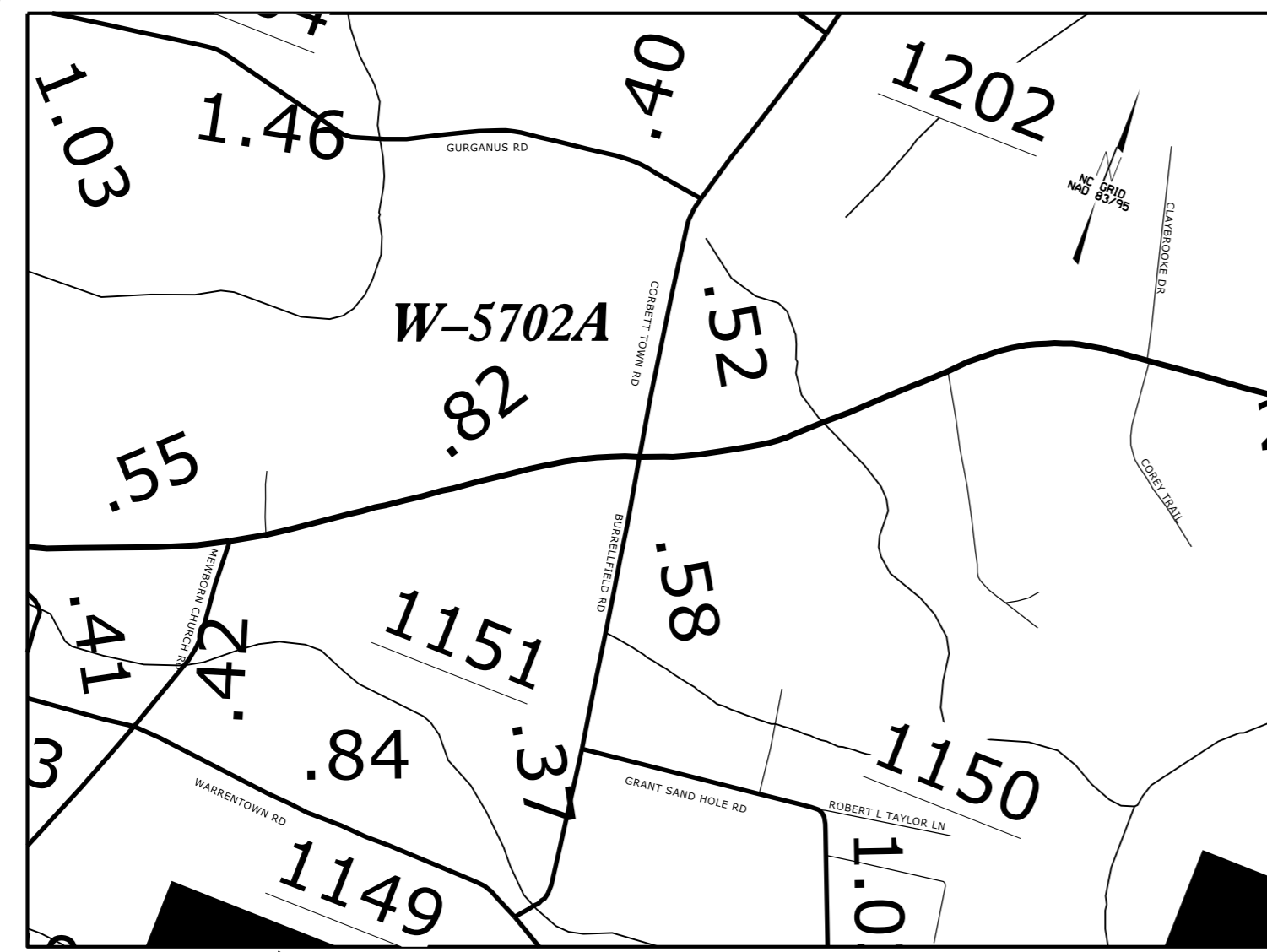
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W-5702A	1	19
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
44848.1.1	HSIP-0013(064)	PE	
44848.2.1	HSIP-0013(064)	RW	
44848.3.1	HSIP-0013(064)	CONST	

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

GREENE COUNTY

LOCATION: INTERSECTION OF US 13 AND SR 1151

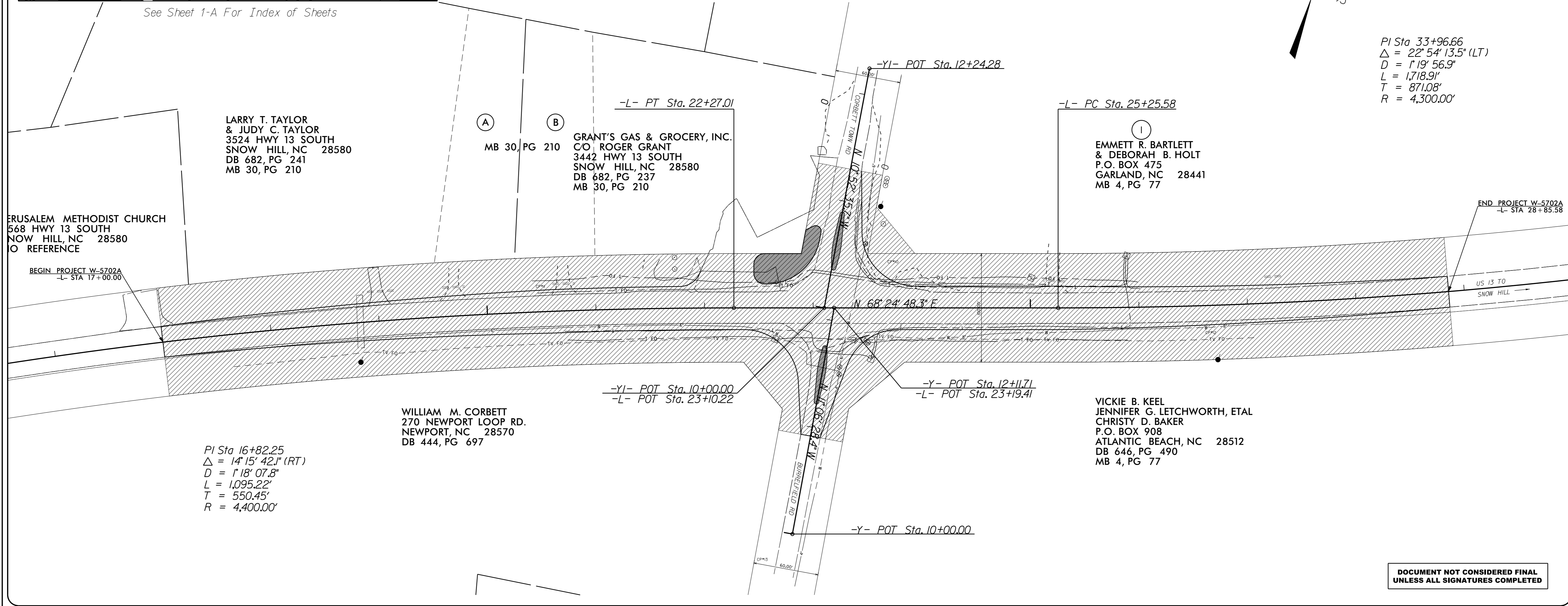
TYPE OF WORK: GRADING, PAVING AND DRAINAGE



See Sheet 1-A For Index of Sheets



PI Sta 33+96.66
 $\Delta = 22^\circ 54' 13.5''$ (LT)
 $D = 119' 56.9''$
 $L = 1,718.91'$
 $T = 871.08'$
 $R = 4,300.00'$

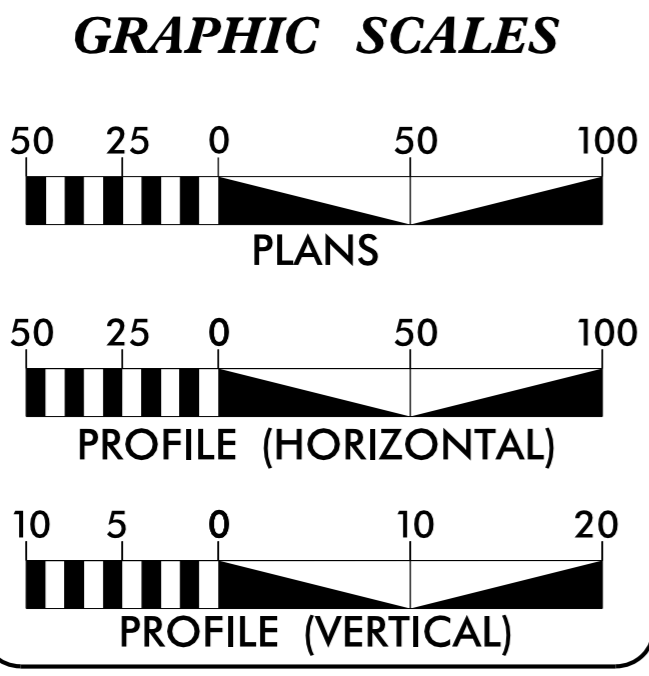


END PROJECT W-5702A
-L- STA 28+85.58

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PROJECT: W-5702A

CONTRACT: DB00351



PROJECT LENGTH

PROJECT W-5702A LENGTH = 0.225 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS
 1704 N. Greene St. Greenville, NC 27834

2012 STANDARD SPECIFICATIONS

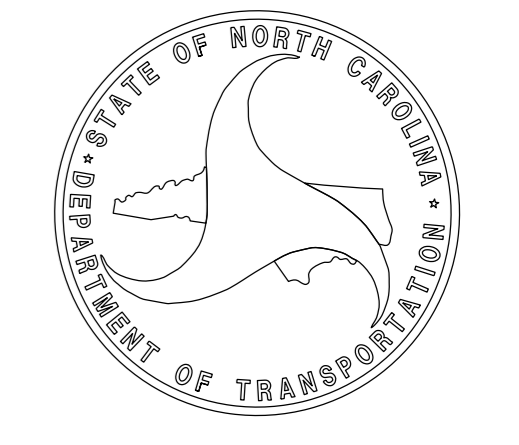
RIGHT OF WAY DATE: WILLIAM C KINCANNON, PE
 OCTOBER 2016
 PROJECT ENGINEER

LETTING DATE: LANG JONES
 JULY 2017
 PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

ROADWAY DESIGN ENGINEER

Seal and signature of William C. Kincannon, Professional Engineer, No. 33793, State of North Carolina.



09/08/99
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 \$\$\$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	PLANSHEET
PM1	PAVEMENT MARKING SHEET
UC1-UC4	UTILITY CONSTRUCTION SHEETS
EC1-EC3	EROSION CONTROL SHEETS
X1A	CROSS SECTION SUMMARY
X1-X3	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:
TIME WARNER CABLE
CENTURYLINK
SOUTH GREENE WATER CORPORATION
GREENE COUNTY REGIONAL WATER SYSTEMS

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 8 - INCIDENTALS	
852.01	CONCRETE ISLANDS
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

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	----- RW
Proposed Right of Way Line with Iron Pin and Cap Marker	----- RW
Proposed Right of Way Line with Concrete or Granite R/W Marker	----- RW
Proposed Control of Access Line with Concrete CA Marker	----- CA
Existing Control of Access	----- CA
Proposed Control of Access	----- CA
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.*)	----- ?UTL
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.

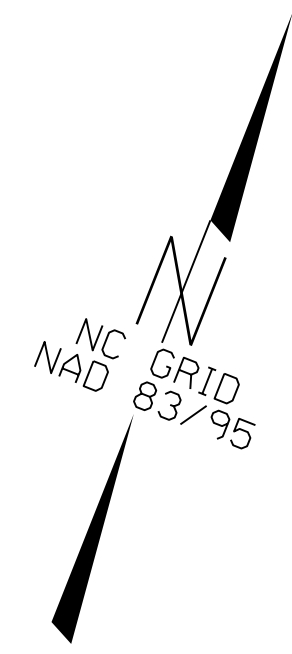
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF QUANTITIES

SECT	QUANTITY	UNIT	ITEM DESCRIPTION
800	1	LS	MOBILIZATION
801	1	LS	CONSTRUCTION SURVEYING
226	1	LS	GRADING
300	20	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
300	40	SY	FOUNDATION CONDITIONING GEOTEXTILE
310	130	LF	15" DRAINAGE PIPE
340	107	LF	PIPE REMOVAL
545	20	TON	INCIDENTAL STONE BASE
610	370	TON	ASPHALT CONCRETE BASE COURSE, TYPE B25.0B
610	240	TON	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B
610	500	TON	ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B
620	60	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG64-22
852	250	SY	5' MONOLITHIC CONCRETE ISLAND (SURFACE MOUNTED)
SP	5	TON	*57 STONE
SP	96	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
SP	1	LS	TEMPORARY TRAFFIC CONTROL
1205	2501	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
1205	4894	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
1205	44	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
1205	2	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOLS (90 MILS)
1205	278	EA	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
1605	125	LF	TEMPORARY SILT FENCE
1610	10	TON	STONE FOR EROSION CONTROL, CLASS B
1615	0.5	ACRE	TEMPORARY MULCHING
1620	50	LB	SEED FOR TEMPORARY SEEDING
1620	0.25	TON	FERTILIZER FOR TEMPORARY SEEDING
1631	70	SY	MATTING FOR EROSION CONTROL
1660	1	ACRE	SEEDING AND MULCHING
1661	50	LB	SEED FOR REPAIR SEEDING
1661	0.2	TON	FERTILIZER FOR REPAIR SEEDING
SP	4	EA	RESPONSE FOR EROSION CONTROL
SP	140	LF	COIR FIBER WATTLE
SP	2	LB	POLYACRYLAMIDE

RIGHT OF WAY AREA SUMMARY

PARCEL NO.	PROPERTY OWNER NAME	LOCATION	TOTAL PARCEL AREA (ACRES)	AREA TO BE PURCHASED (RW) (ACRES)	PARCEL AREA REMAINING (ACRES)
1	EMMETT R. BARTLETT & DEBORAH B. HOLT	LT -L-	57.152	0.021	57.131



PI Sta 33+96.66
 $\Delta = 22^\circ 54' 13.5''$ (LT)
 $D = 1'19' 56.9''$
 $L = 1,718.91'$
 $T = 871.08'$
 $R = 4,300.00'$

REVISIONS

JERUSALEM METHODIST CHURCH
 3568 HWY 13 SOUTH
 SNOW HILL, NC 28580
 NO REFERENCE

LARRY T. TAYLOR & JUDY C. TAYLOR
 3524 HWY 13 SOUTH
 SNOW HILL, NC 28580
 DB 682, PG 241
 MB 30, PG 210

(A) (B)
 MB 30, PG 210
 GRANT'S GAS & GROCERY, INC.
 CO. ROGER GRANT
 3442 HWY 13 SOUTH
 SNOW HILL, NC 28580
 DB 682, PG 237
 MB 30, PG 210

(I)
 EMMETT R. BARTLETT & DEBORAH B. HOLT
 P.O. BOX 475
 GARLAND, NC 28441
 MB 4, PG 77

WILLIAM M. CORBETT
 270 NEWPORT LOOP RD.
 NEWPORT, NC 28570
 DB 444, PG 697

VICKIE B. KEEL
 JENNIFER G. LETCHWORTH, ETAL
 CHRISTY D. BAKER
 P.O. BOX 908
 ATLANTIC BEACH, NC 28512
 DB 646, PG 490
 MB 4, PG 77

PI Sta 16+82.25
 $\Delta = 14^\circ 15' 42.1''$ (RT)
 $D = 1'18' 07.8''$
 $L = 1,095.22'$
 $T = 550.45'$
 $R = 4,400.00'$

Station	North	East	Description
-L-10+00.00	619357.8168	2374341.1117	CL POT
-L-11+31.79	619434.9985	2374447.9371	CL PC
-L-22+27.01	619959.8834	2375405.9670	CL PT
-L-25+25.58	620069.7276	2375683.5919	CL PC
-L-42+44.48	621000.6516	2377114.9851	CL PT
-L-44+31.81	621131.9269	2377248.6170	CL POT
-YI-10+00.00	619990.4968	2375483.3408	CL POT
-YI-12+24.28	620210.7478	2375441.0205	CL POT
-Y-10+00.00	619786.1340	2375532.6700	CL POT
-Y-12+11.71	619993.8766	2375491.8828	CL POT

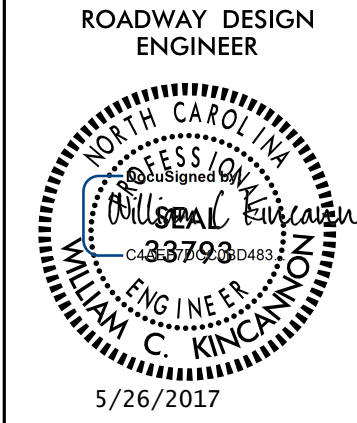
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10	620045.7930	2375519.4100	119.35	CP#10
11	619913.7860	2375241.7410	118.01	CP#11
12	620107.5360	2375826.4350	117.18	CP#12
13	619758.2850	2375530.4900	117.79	CP#13

8/17/99

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END PROJECT W-5702A
 -L- STA 28+85.58

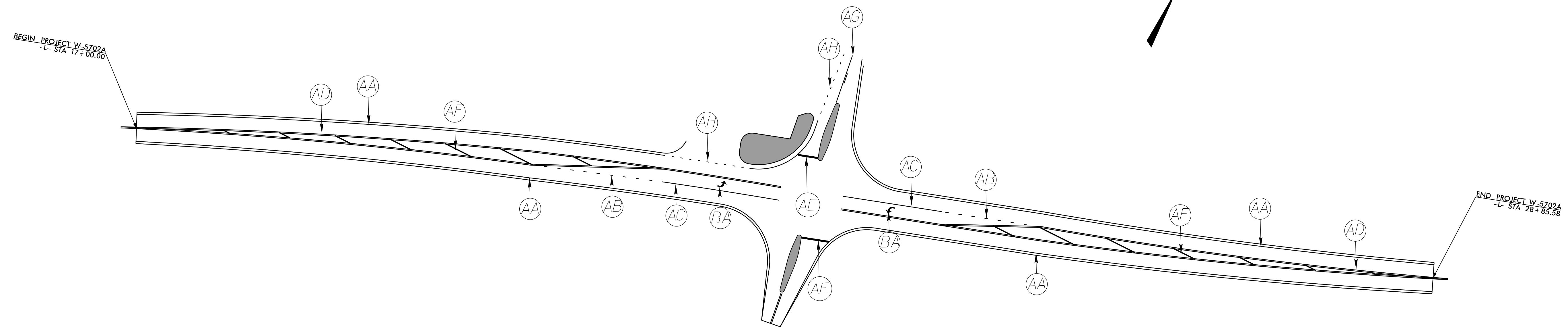
US 13 TO
 SNOW HILL



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.

REVISIONS



PAVEMENT MARKING SCHEDULE

PAVEMENT MARKING LINES			
AA	- THERMOPLASTIC	(4" WHITE, 90 MILS)	EDGE LINE
AB	- THERMOPLASTIC	(4" WHITE, 120 MILS)	9" MINI SKIP
AC	- THERMOPLASTIC	(4" WHITE, 120 MILS)	SOLID LANE LINE
AD	- THERMOPLASTIC	(4" YELLOW, 120 MILS)	SOLID DOUBLE YELLOW
AE	- THERMOPLASTIC	(24" WHITE, 120 MILS)	STOP BAR
AF	- THERMOPLASTIC	(12" YELLOW, 90 MILS)	SOLID YELLOW DIAGONAL LINE
AG	- THERMOPLASTIC	(4" YELLOW, 120 MILS)	SOLID YELLOW SKIP
AH	- THERMOPLASTIC	(4" WHITE, 120 MILS)	6" MINI SKIP
PAVEMENT MARKING SYMBOLS			
BA	- THERMOPLASTIC	(LEFT ARROW, 90 MILS)	

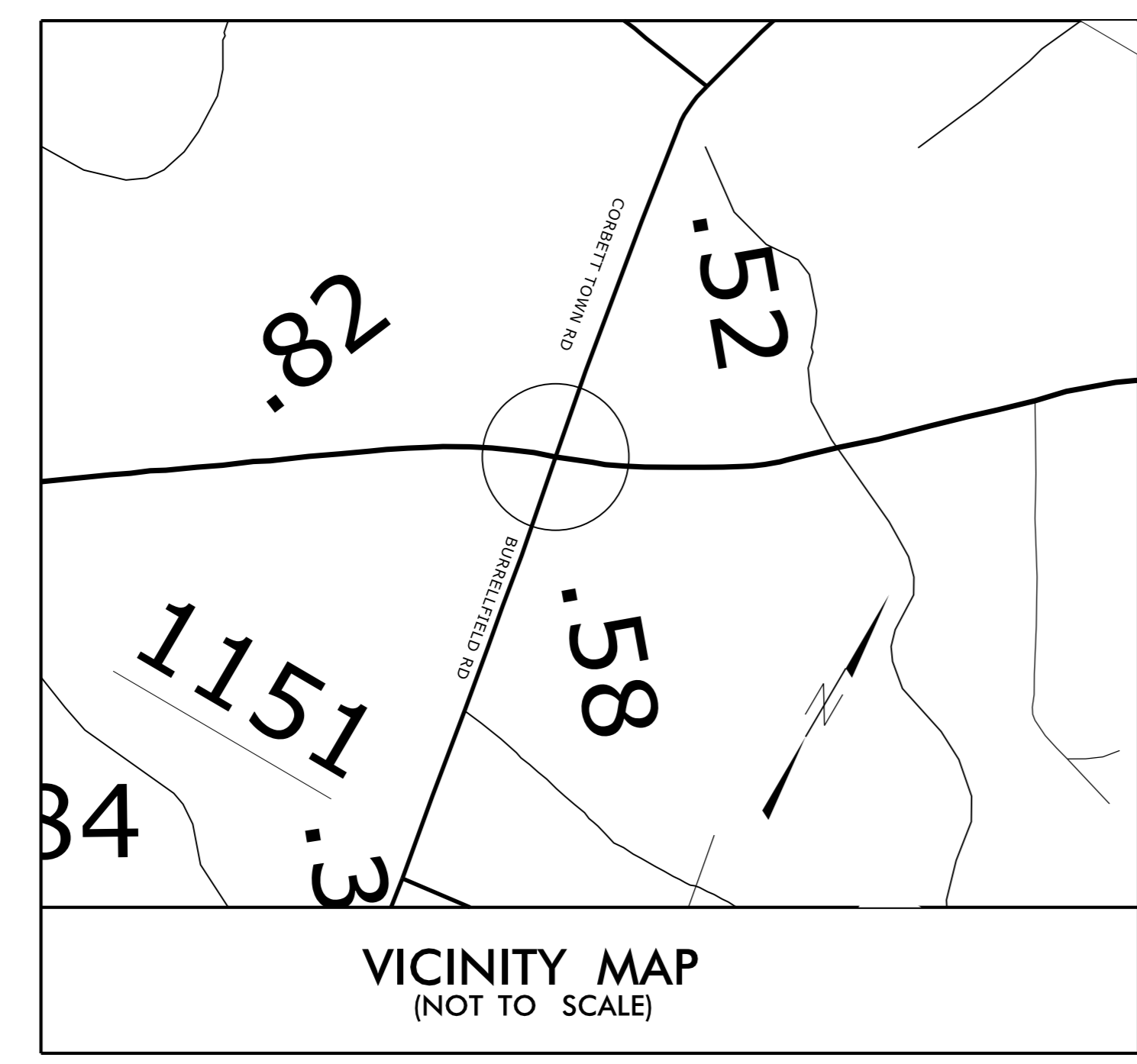
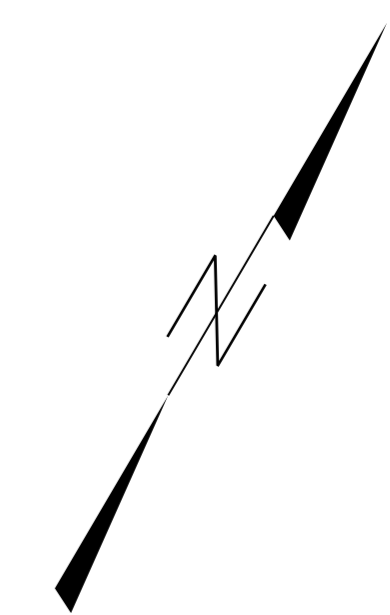
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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

UTILITY CONSTRUCTION PLANS GREENE COUNTY

LOCATION: INTERSECTION OF US13 AND SRI151

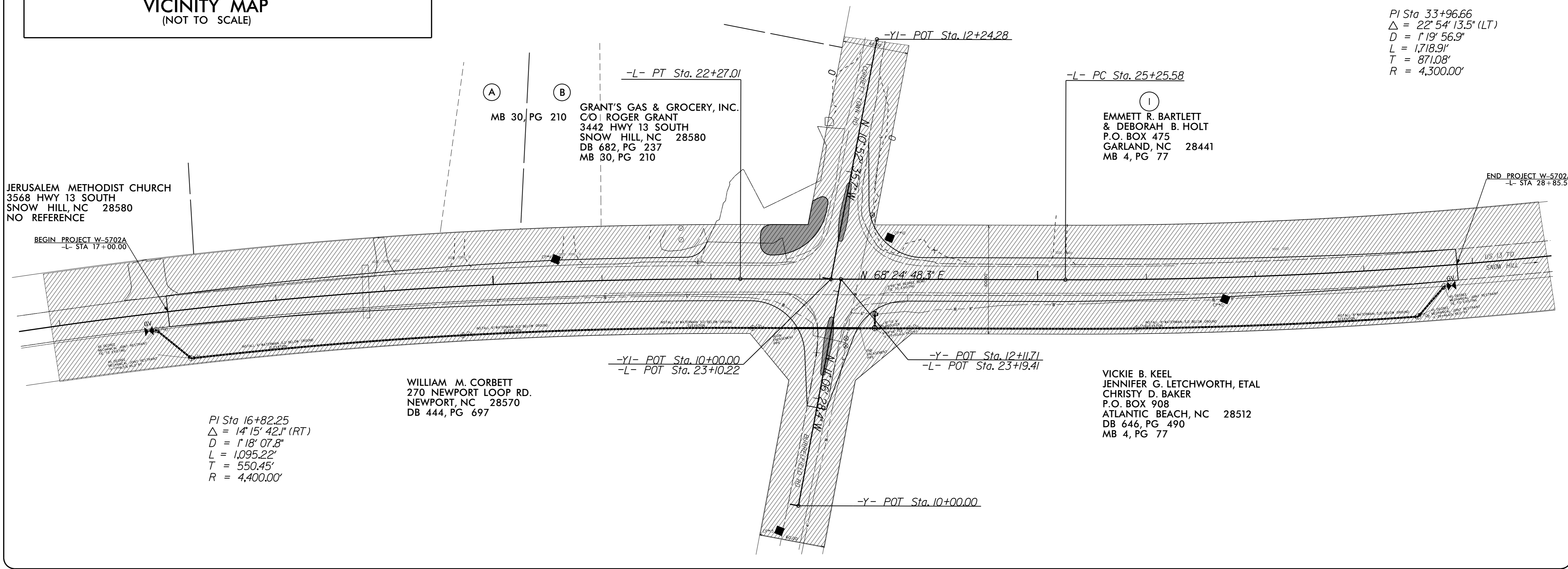
TYPE OF WORK: WATER MAIN RELOCATION



TIP PROJECT: W-5702A

VICINITY MAP
(NOT TO SCALE)

PI Sta 33+96.66
 $\Delta = 22^\circ 54' 13.5''$ (LT)
 $D = 1^\circ 19' 56.9''$
 $L = 1,718.91'$
 $T = 871.08'$
 $R = 4,300.00'$



JERUSALEM METHODIST CHURCH
3568 HWY 13 SOUTH
SNOW HILL, NC 28580
NO REFERENCE

BEGIN PROJECT W-5702A
-L- STA 17+00.00

(A) MB 30, PG 210
 (B) GRANT'S GAS & GROCERY, INC.
 CO. ROGER GRANT
 3442 HWY 13 SOUTH
 SNOW HILL, NC 28580
 DB 682, PG 237
 MB 30, PG 210

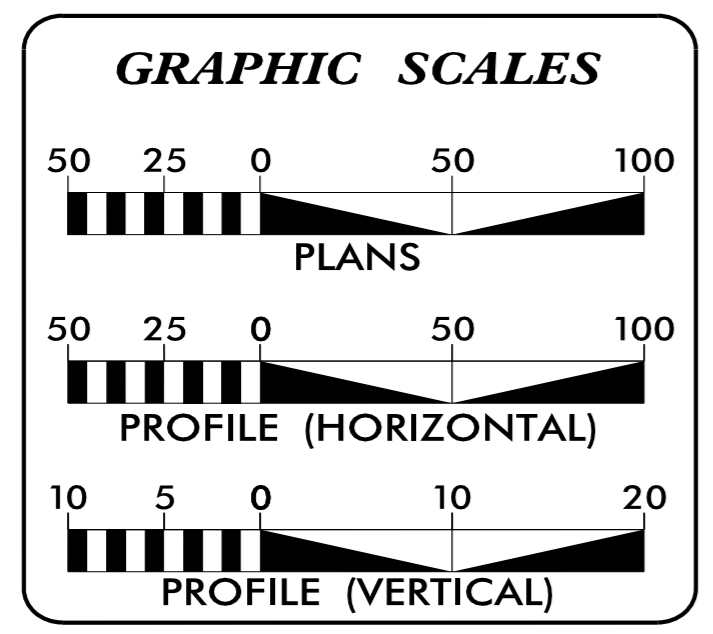
(1) EMMETT R. BARTLETT
 & DEBORAH B. HOLT
 P.O. BOX 475
 GARLAND, NC 28441
 MB 4, PG 77

PI Sta 16+82.25
 $\Delta = 14^\circ 15' 42.1''$ (RT)
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 $L = 1,095.22'$
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 270 NEWPORT LOOP RD.
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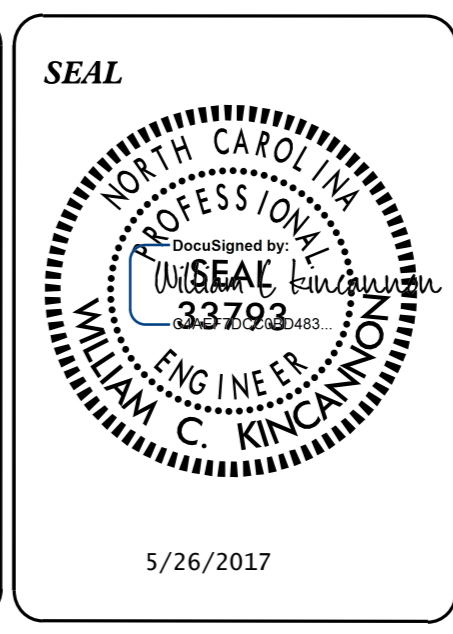


INDEX OF SHEETS

SHEET NO.	DESCRIPTION
UC-1	TITLE SHEET
UC-2	SUMMARY OF QUANTITIES
UC-3	UTILITY CONSTRUCTION SHEET
UC-4	DETAILS SHEET

WATER OWNER ON PROJECT

- SOUTH GREEN WATER CORPORATION
- GREEN COUNTY REGIONAL WATER SYSTEMS

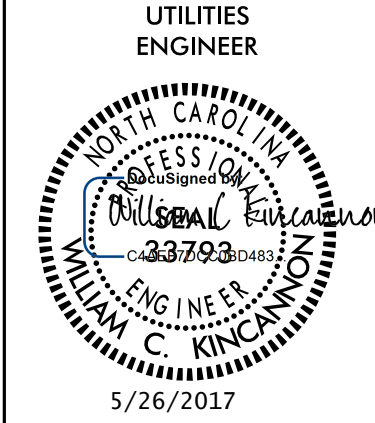


PREPARED IN THE OFFICE OF:
DIVISION OF HIGHWAYS
 DIVISION 2 - DDC

P.O. BOX 1587
 GREENVILLE, NC 27835
 PHONE (252) 439-2800
 FAX (252) 830-3352

WILLIAM C. KINCANNON, PE UTILITIES ENGINEER
RICH GODLEY UTILITIES PROJECT DESIGNER

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UTILITY CONSTRUCTION

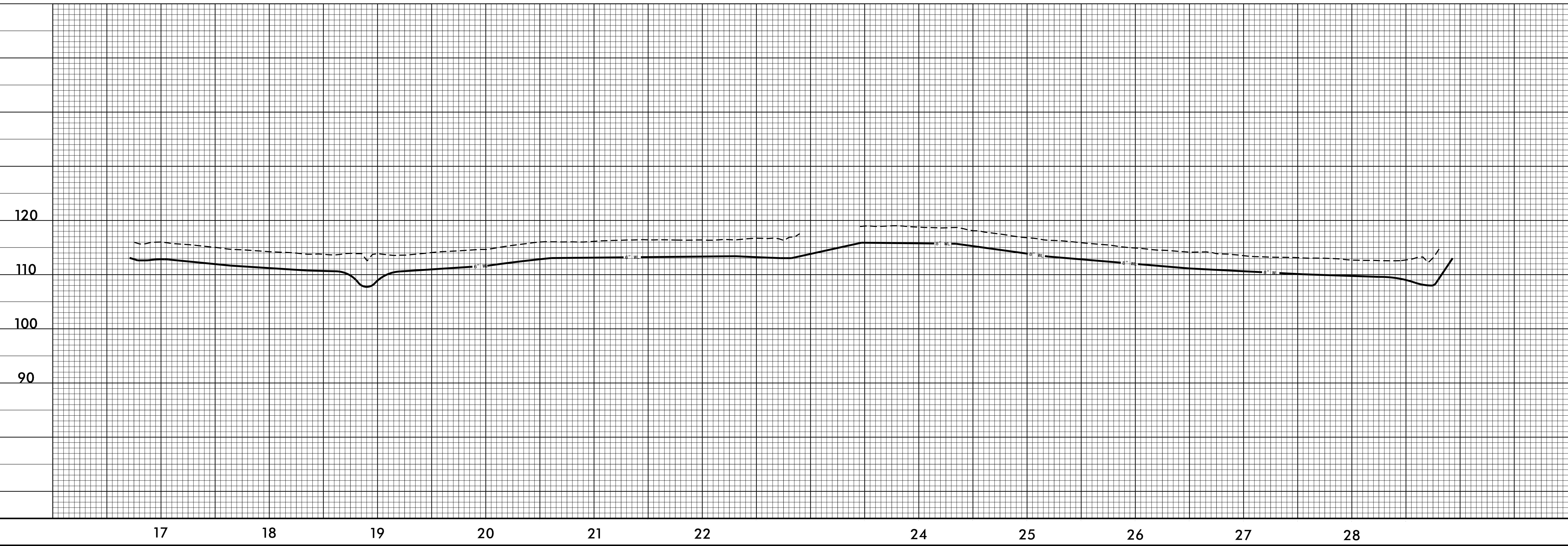
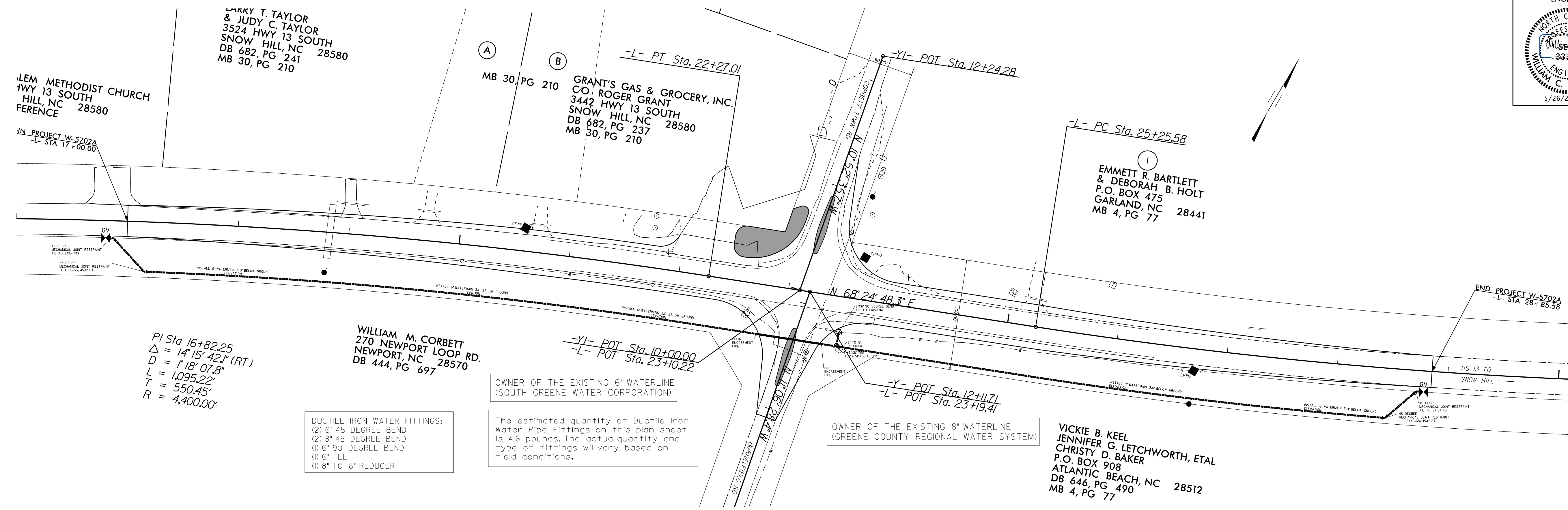
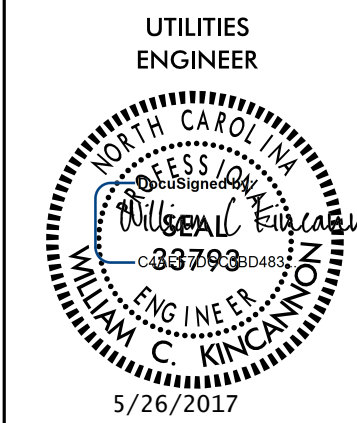
STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS SUMMARY OF QUANTITIES

<i>SECTION</i>	<i>QUANTITY</i>	<i>UNIT</i>	<i>ITEM DESCRIPTION</i>
858	3	EA	ADJUSTMENT OF VALVES
1510	681	LF	6" PVC PIPE - (AWWA C905)
1510	536	LF	8" PVC PIPE - (AWWA C905)
1515	1	EA	6" GATE VALVE AND VALVE BOX
1515	1	EA	8" GATE VALVE AND VALVE BOX
SP	416	LB	DUCTILE IRON WATER PIPE FITTINGS
1530	615	LF	ABANDON 6" UTILITY PIPE
1530	511	LF	ABANDON 8" UTILITY PIPE
1540	60	LF	10" ENCASEMENT PIPE
1660	0.1	ACRES	SEEDING AND MULCHING
1605	1200	LF	TEMPORARY SILT FENCE

REVISIONS

8/17/99

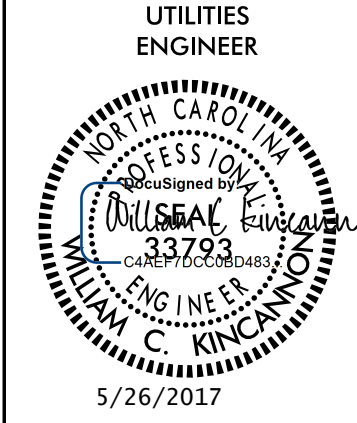
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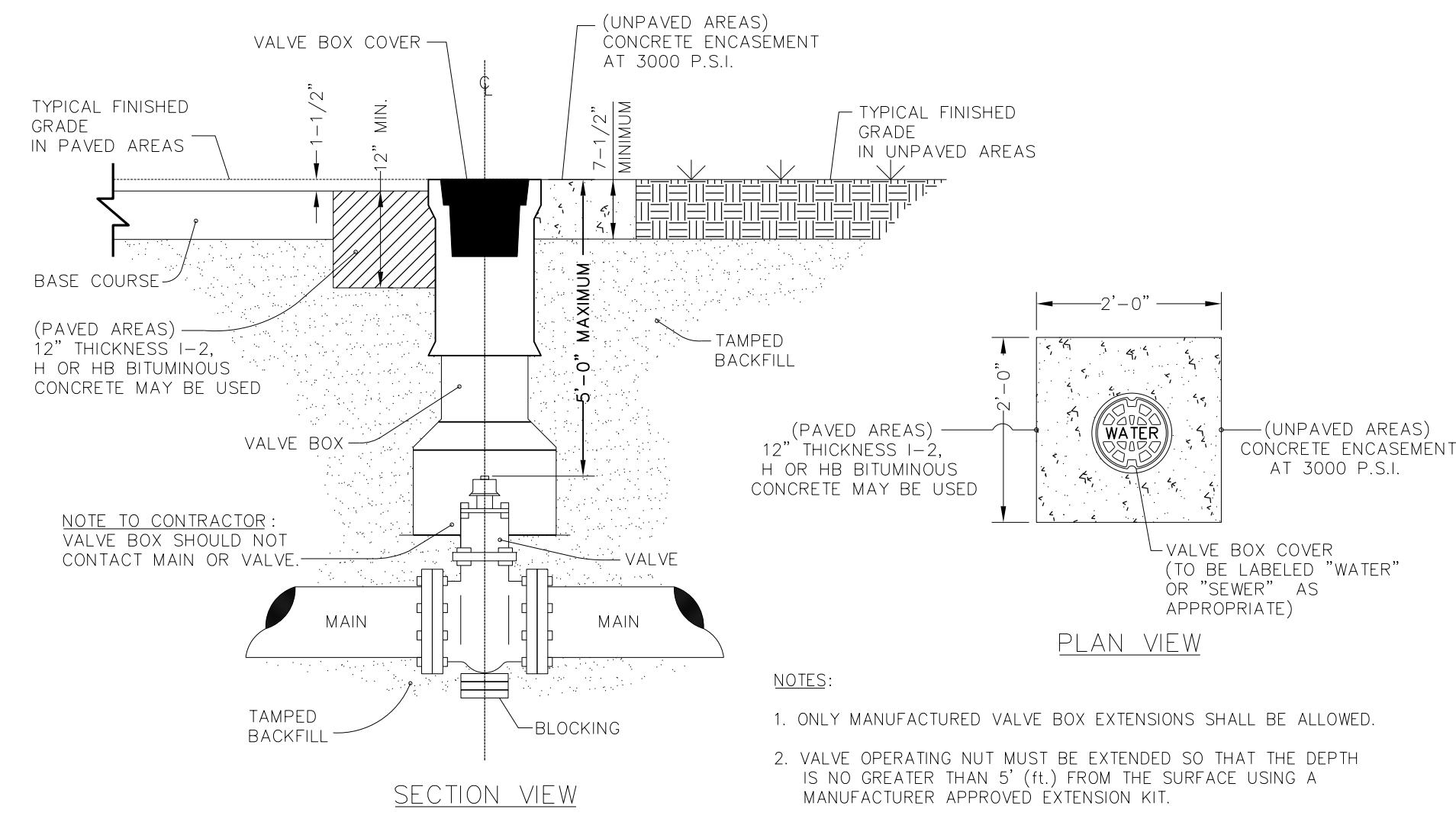
REVISIONS

8/17/99

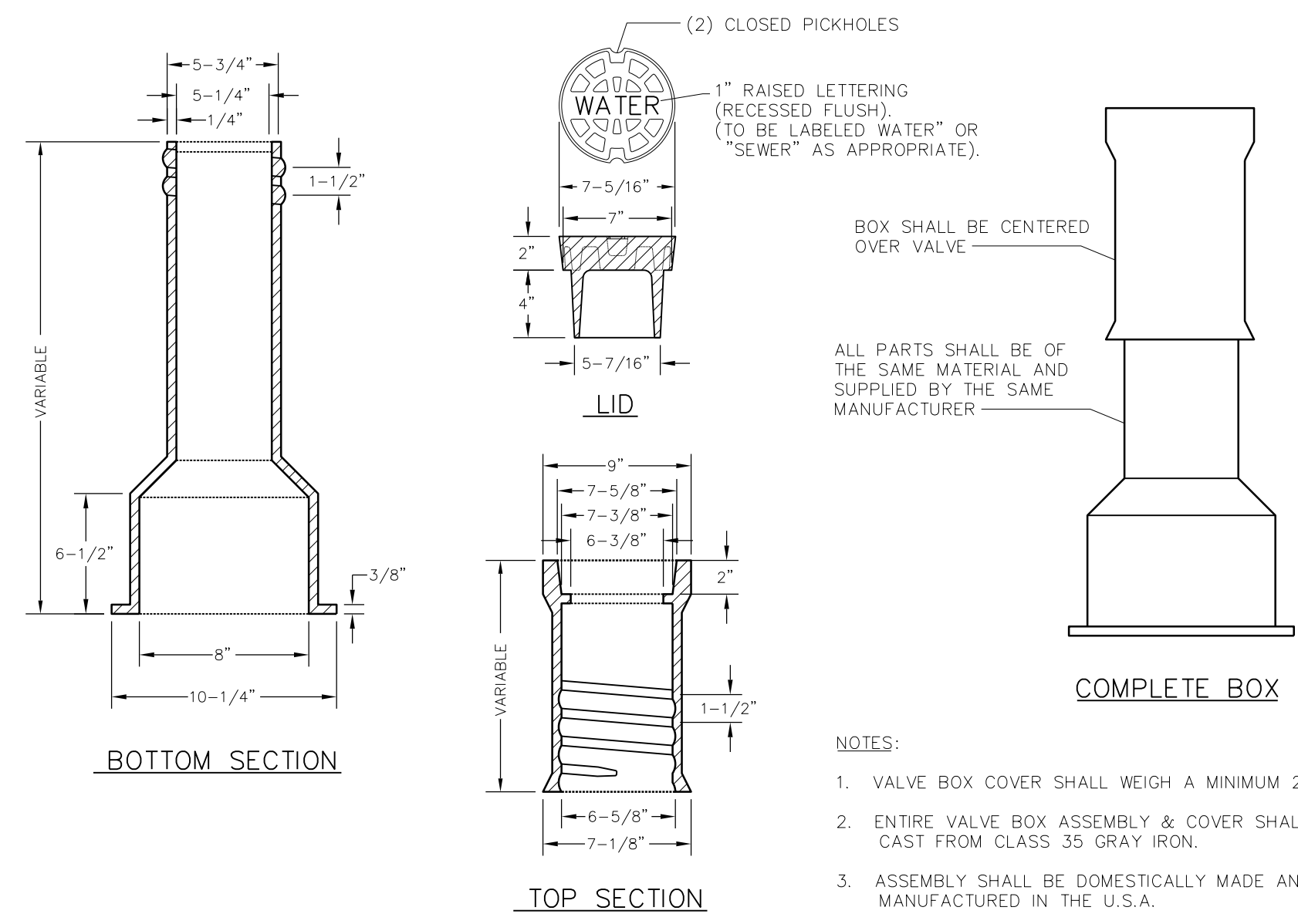
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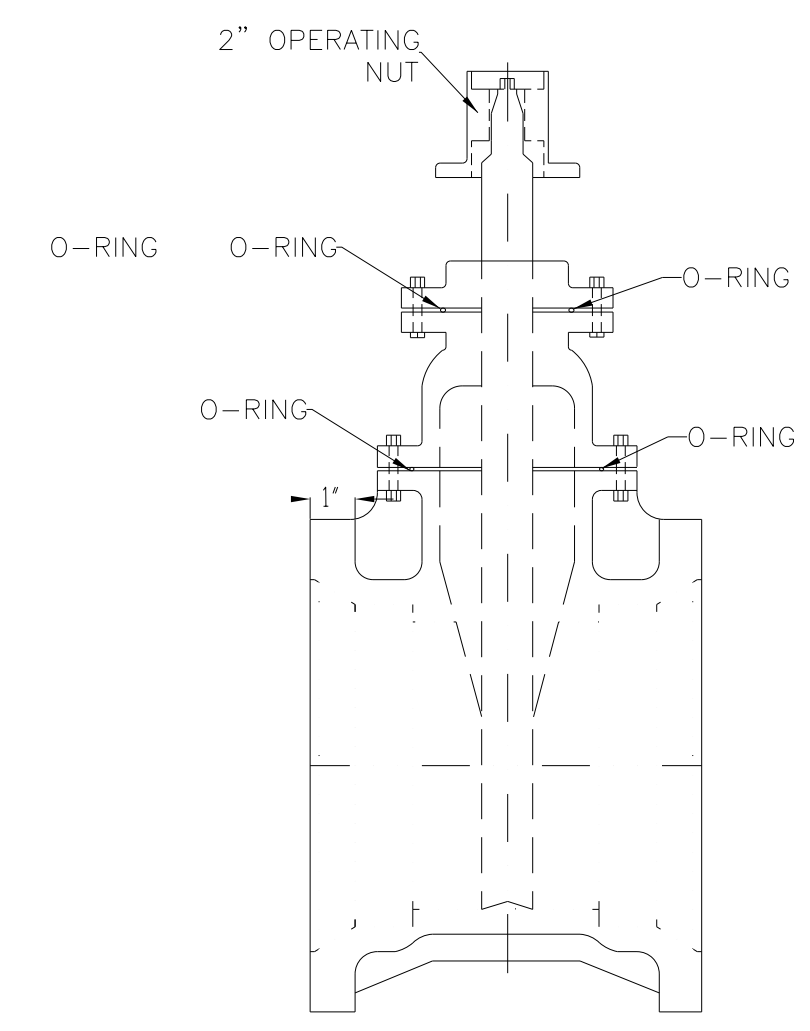
UTILITY CONSTRUCTION DETAILS SHEET



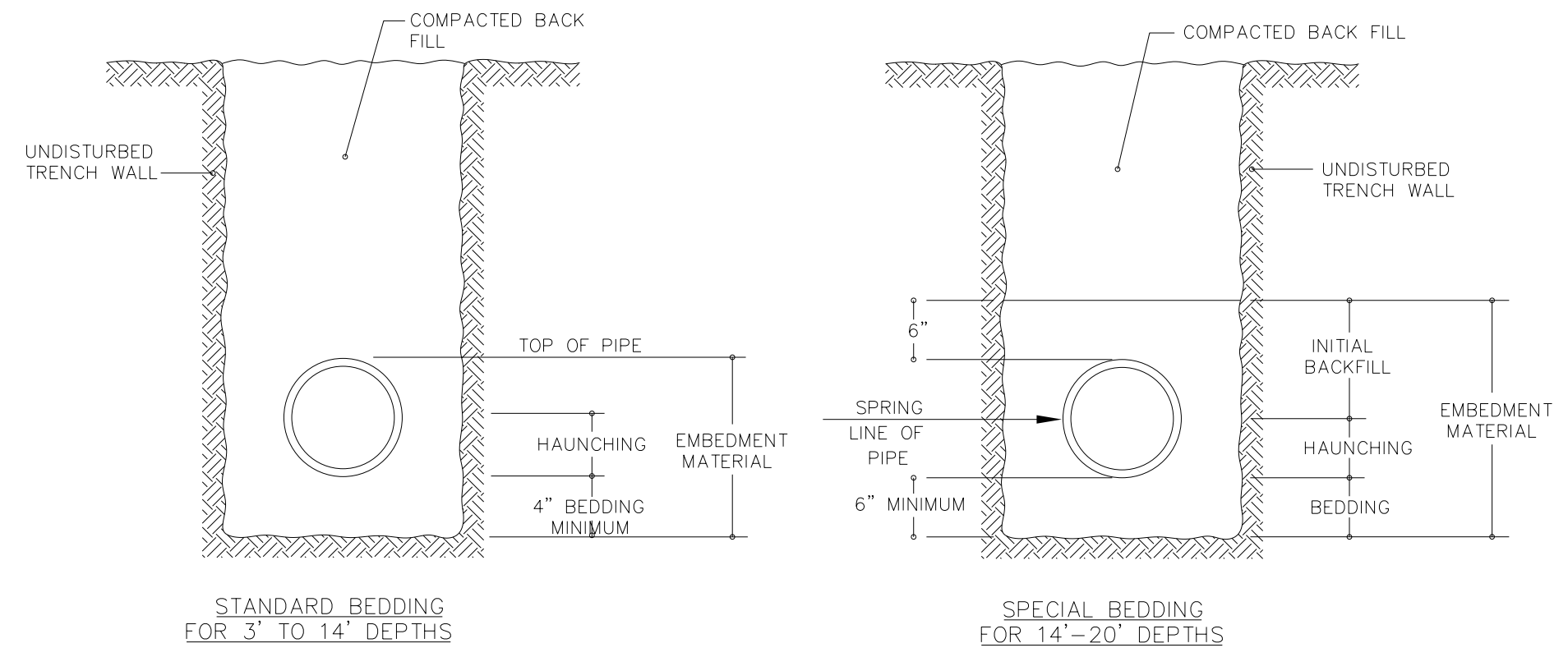
TYPICAL VALVE BOX
NTS



TYPICAL VALVE BOX
NTS



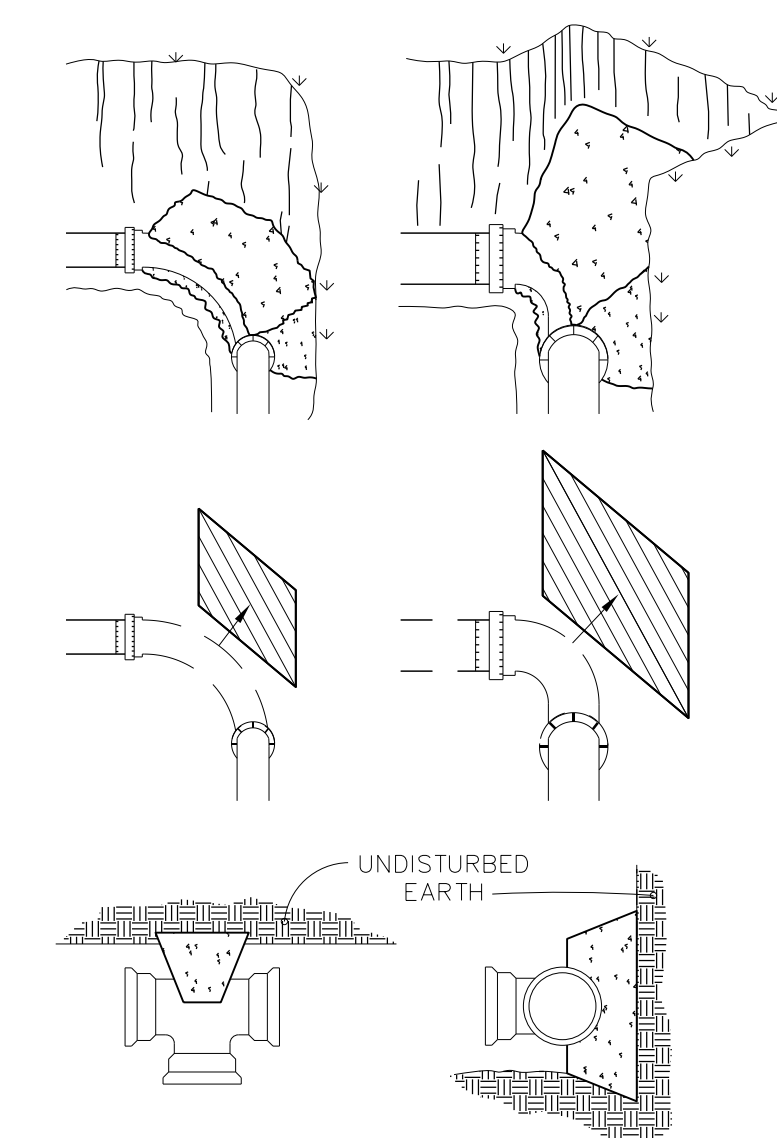
**TYPICAL RESILIENT MECHANICAL
JOINT GATE VALVE DETAIL**
NTS



NOTES:

1. EMBEDMENT MATERIAL MUST BE CLASS I (NO. 67 OR NO. 78M WASHED STONE IS TYPICALLY USED).
2. EMBEDMENT MATERIAL SHALL BE COMPACTED TO A MINIMUM 95% STANDARD PROCTOR DENSITY FOR CLASS I MATERIAL.
3. STANDARD BEDDING SHALL BE UTILIZED FOR ALL CASES WHERE TRENCH BOTTOMS ARE UNSTABLE DUE TO SOIL TYPE, OR MOISTURE CONDITIONS.

TYPICAL BEDDING FOR FLEXIBLE & SEMI-RIGID PIPE
NTS



NOMINAL PIPE DIAMETER INCHES	MINIMUM CONCRETE BLOCKING (C.Y.) *		
	TEES & DEAD ENDS	90° BEND	45° BEND
4	1/3	1/3	1/3
6	1/3	1/3	1/3
8	1/3	1/2	1/3
10	2/3	3/4	1/2
12	3/4	1.0	2/3
14	1.0	1 1/2	3/4
16	1 1/3	2.0	1.0
18	1 2/3	2 1/3	1 1/3
20	2.0	3.0	1 2/3
24	3.0	4 1/3	2 1/3

NOTES:

- 1) FITTING SHALL BE WRAPPED WITH A MINIMUM 4 MIL PLASTIC.
- 2) NO CONCRETE SHALL COVER BOLTS OR GLANDS.

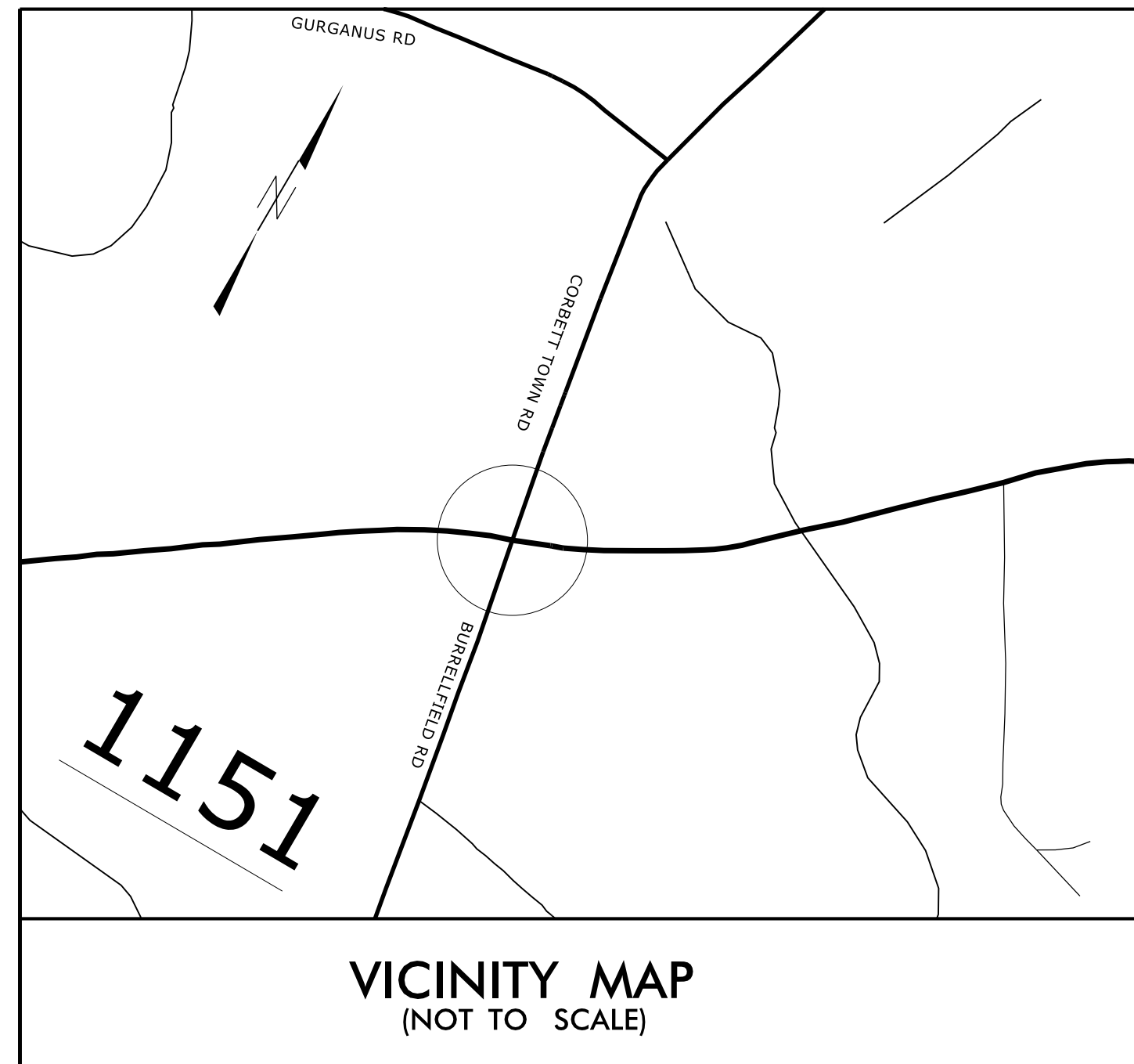
* CONCRETE SHALL BE 3000 P.S.I. MIX.

STANDARD REACTION BLOCKING
NTS

8/17/99

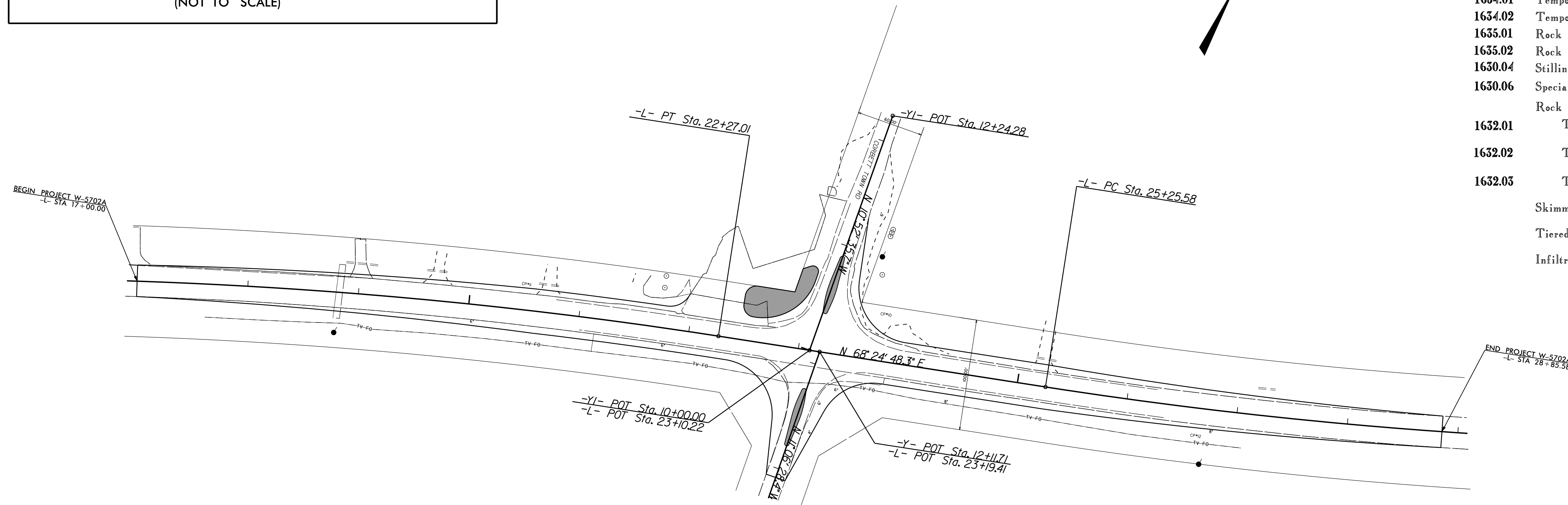
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TIP PROJECT: W-5702A



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

LOCATION: INTERSECTION OF US 13 AND SR 1151



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W-5702A	EC-1	3
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
44848.1.1	HSIP-0013(064)	PE	
44848.2.1	HSIP-0013(064)	RW	
44848.3.1	HSIP-0013(064)	CONST	

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TD
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	T
1630.02	Silt Basin Type B	[Symbol]
1633.01	Temporary Rock Silt Check Type-A	[Symbol]
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	[Symbol]
1633.02	Temporary Rock Silt Check Type-B	[Symbol]
	Wattle / Coir Fiber Wattle	[Symbol]
	Wattle / Coir Fiber Wattle with Polyacrylamide (PAM)	[Symbol]
1634.01	Temporary Rock Sediment Dam Type-A	[Symbol]
1634.02	Temporary Rock Sediment Dam Type-B	[Symbol]
1635.01	Rock Pipe Inlet Sediment Trap Type-A	[Symbol]
1635.02	Rock Pipe Inlet Sediment Trap Type-B	[Symbol]
1630.04	Stilling Basin	[Symbol]
1630.06	Special Stilling Basin	[Symbol]
	Rock Inlet Sediment Trap:	
1632.01	Type A	A [Symbol]
1632.02	Type B	B [Symbol]
1632.03	Type C	C [Symbol]
	Skimmer Basin	[Symbol]
	Tiered Skimmer Basin	[Symbol]
	Infiltration Basin	[Symbol]

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

**THIS PROJECT HAS
BEEN DESIGNED TO
SENSITIVE WATERSHED
STANDARDS.**

GRAPHIC SCALE



PLANS

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.

2012 STANDARD SPECIFICATIONS

Prepared in the Office of:
DIVISION 2 DDC
1704 NORTH GREENE STREET
GREENVILLE, NC 27835

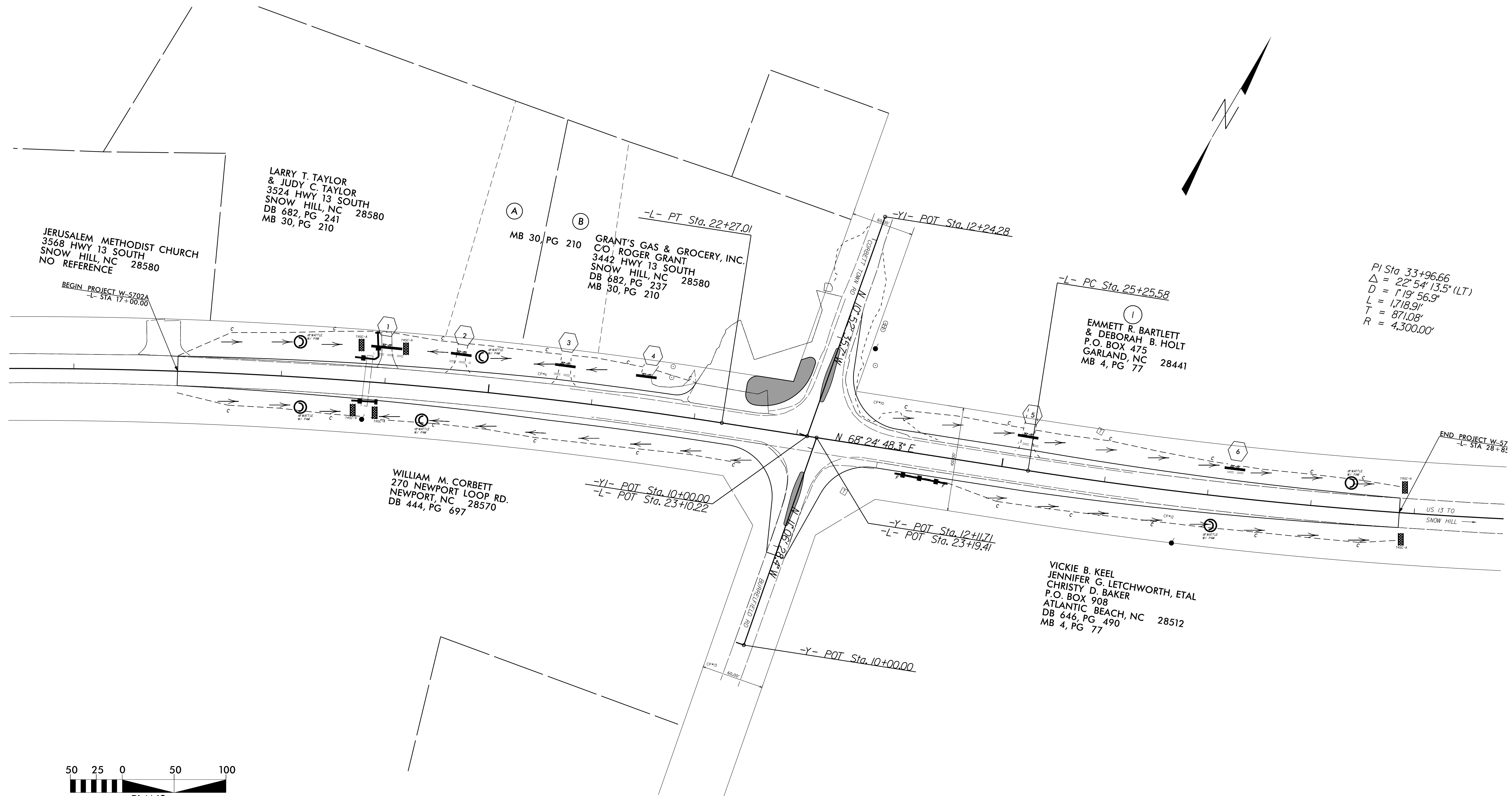
Timothy Pinkham
Level III
Certification #3510

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.

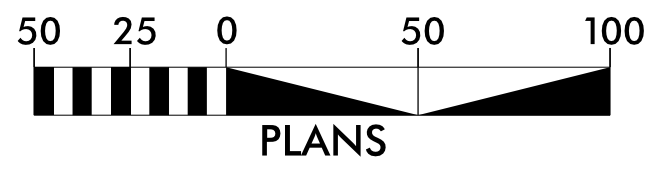
1604.01 Railroad Erosion Control Detail	1632.01 Rock Inlet Sediment Trap Type A
1605.01 Temporary Silt Fence	1632.02 Rock Inlet Sediment Trap Type B
1606.01 Special Sediment Control Fence	1632.03 Rock Inlet Sediment Trap Type C
1607.01 Gravel Construction Entrance	1633.01 Temporary Rock Silt Check Type 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 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	

8/17/99



PI Sta 33+96.66
 $\Delta = 22^{\circ} 54' 13.5''$ (LT)
 $D = 119' 56.9''$
 $L = 1718.91'$
 $T = 871.08'$
 $R = 4300.00'$

REVISIONS



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.

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DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

CROSS-SECTION SUMMARY

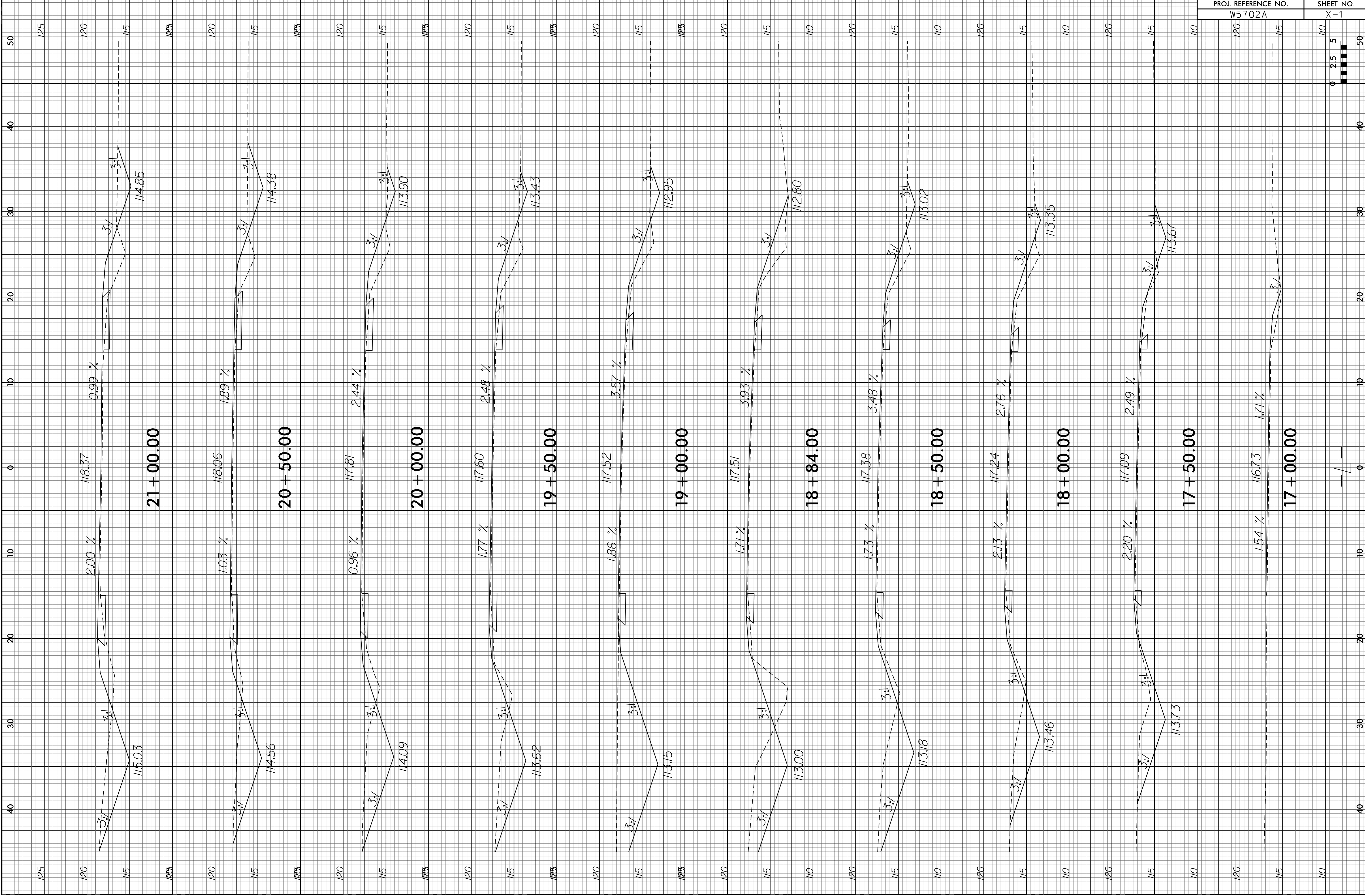
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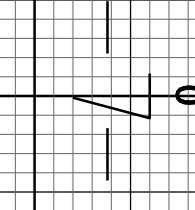
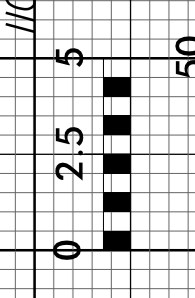
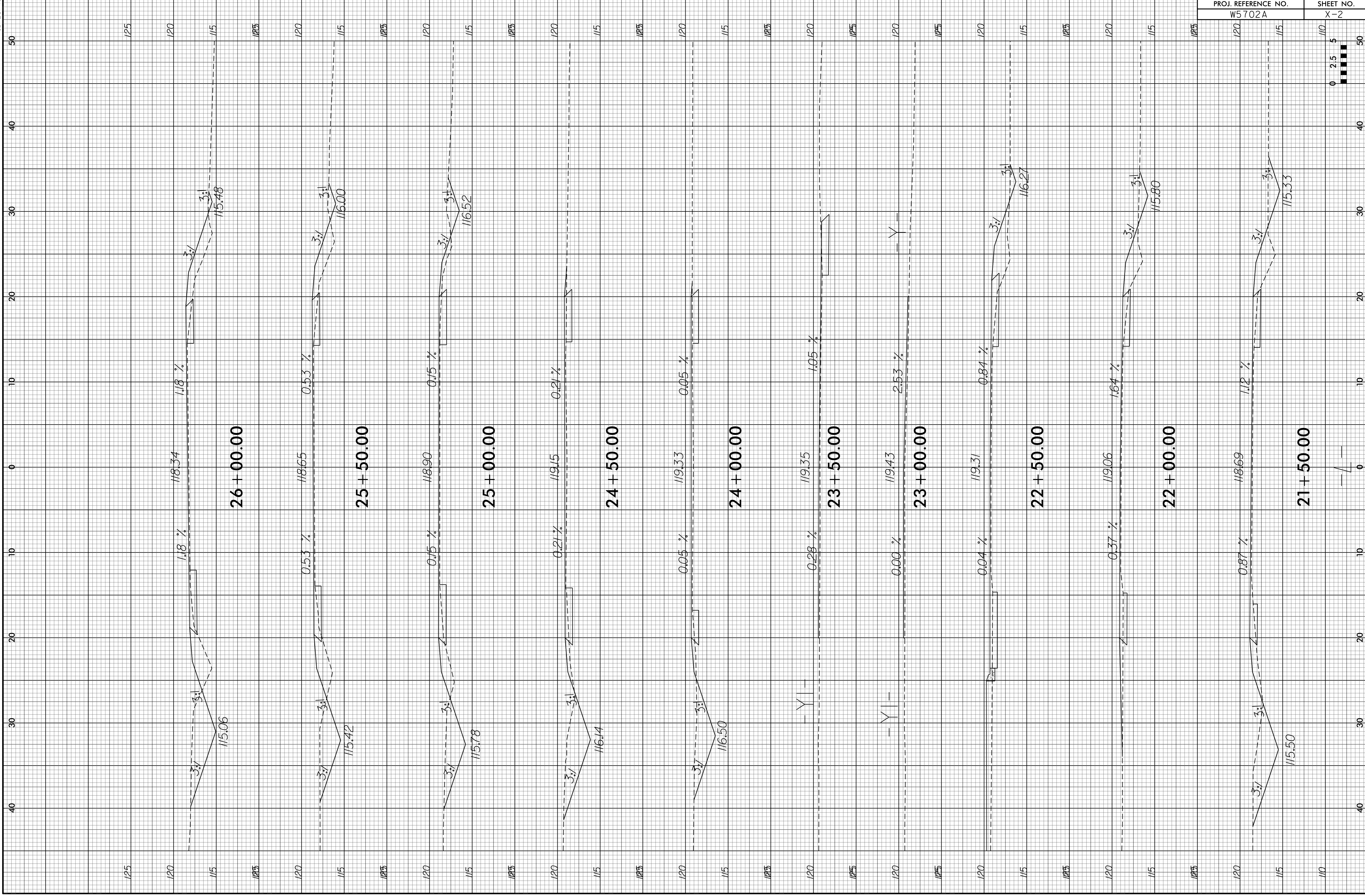
LOCATION (-L-)	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBANKMENT
17+00.00	0		0
17+50.00	26		7
18+00.00	50		15
18+50.00	60		23
18+84.00	50		27
19+00.00	35		11
19+50.00	103		23
20+00.00	67		32
20+50.00	75		29
21+00.00	71		33
21+50.00	60		35
22+00.00	36		27
22+50.00	17		24
23+00.00	9		12
23+50.00	5		0
24+00.00	26		2
24+50.00	47		4
25+00.00	52		12
25+50.00	48		27
26+00.00	46		39
26+50.00	38		42
27+00.00	20		40
27+50.00	11		37
28+00.00	9		32
28+50.00	7		24
28+85.58	2		10

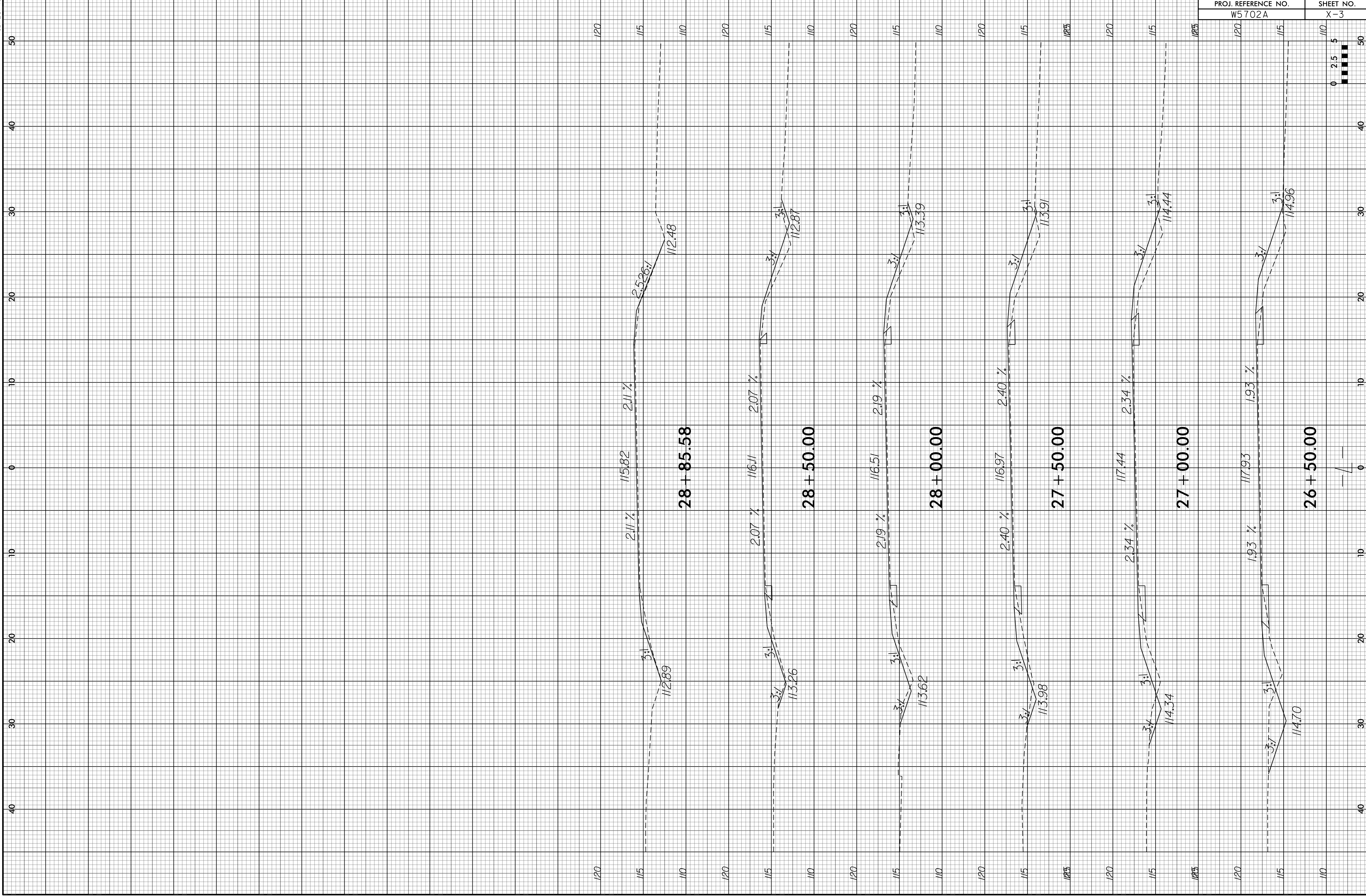
NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT.

NOTE:

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







PROJ. REFERENCE NO.	SHEET NO.
W5702A	X-3