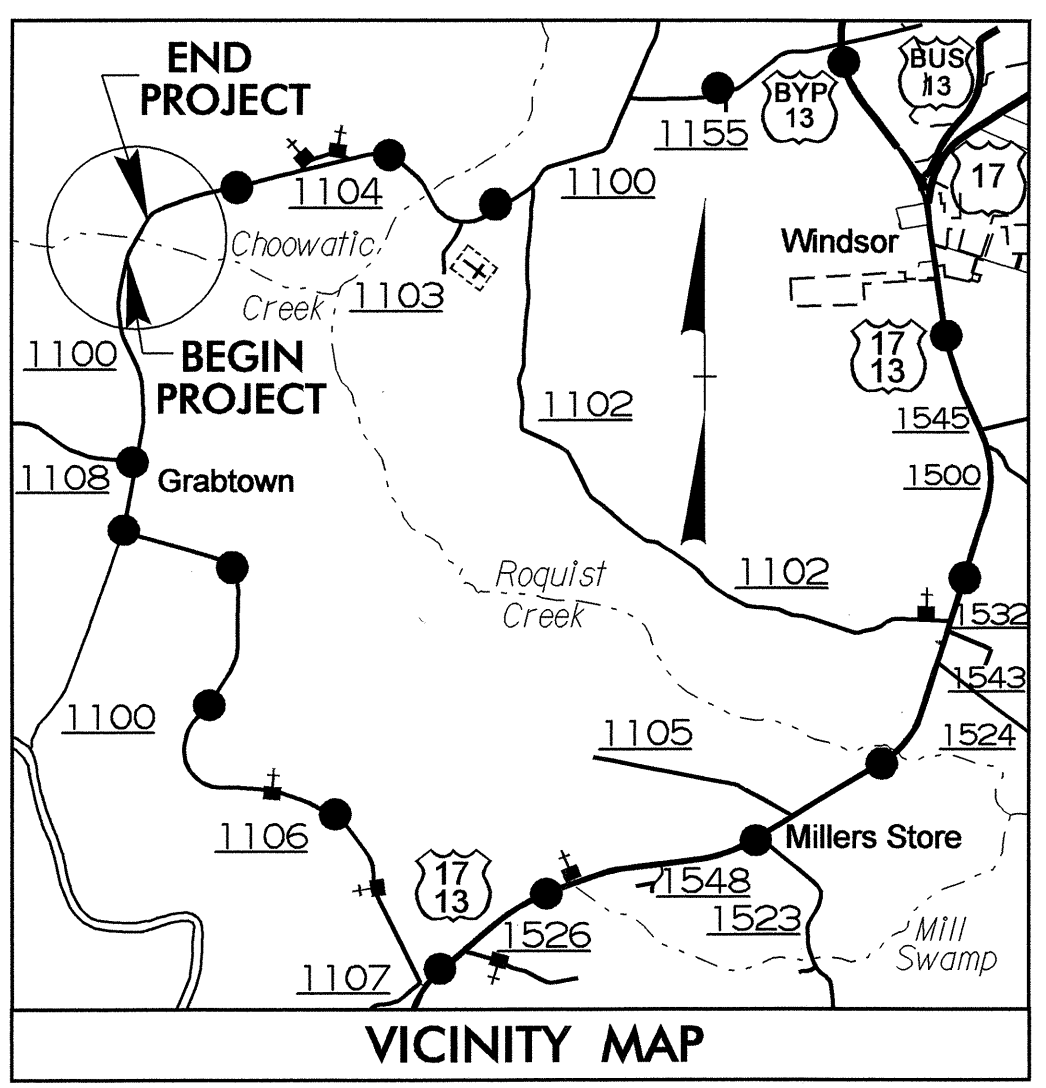


STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

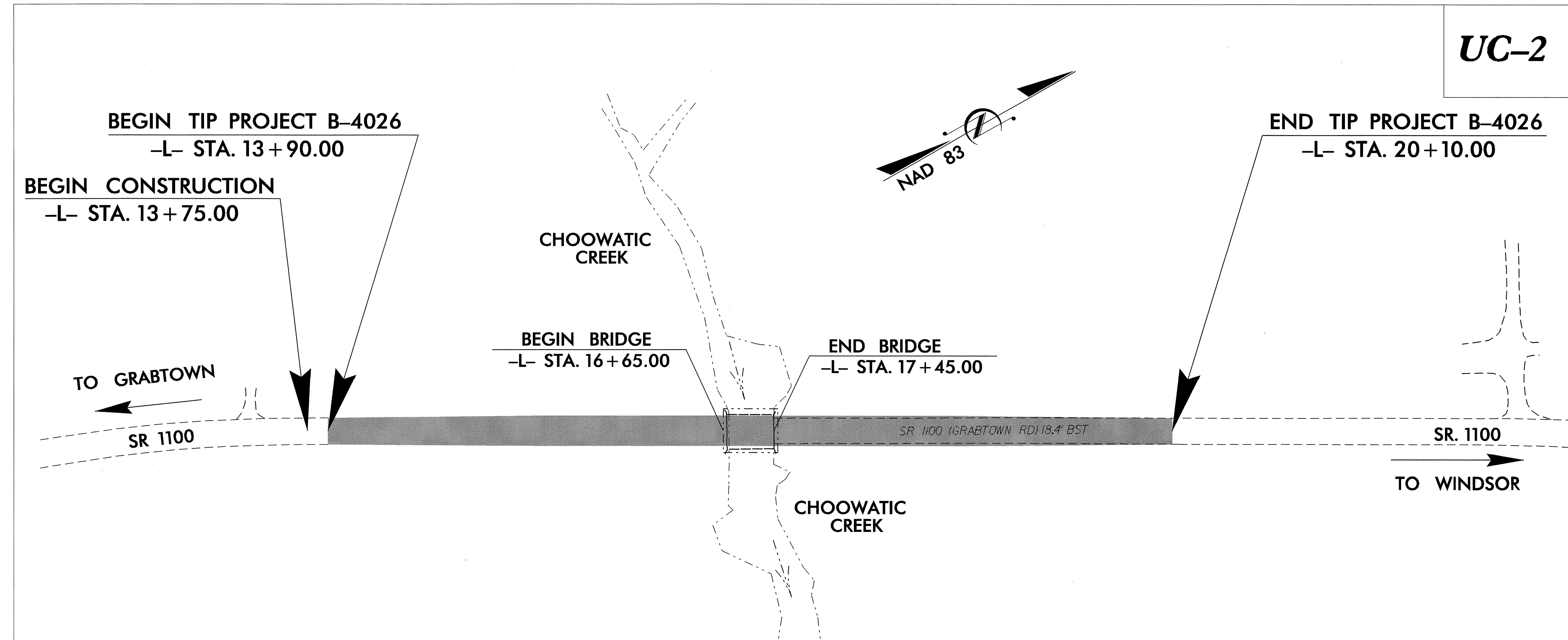
**UTILITY CONSTRUCTION PLANS**  
**BERTIE COUNTY**

**LOCATION: BRIDGE NO.45 OVER CHOOWATIC CREEK ON SR 1100**

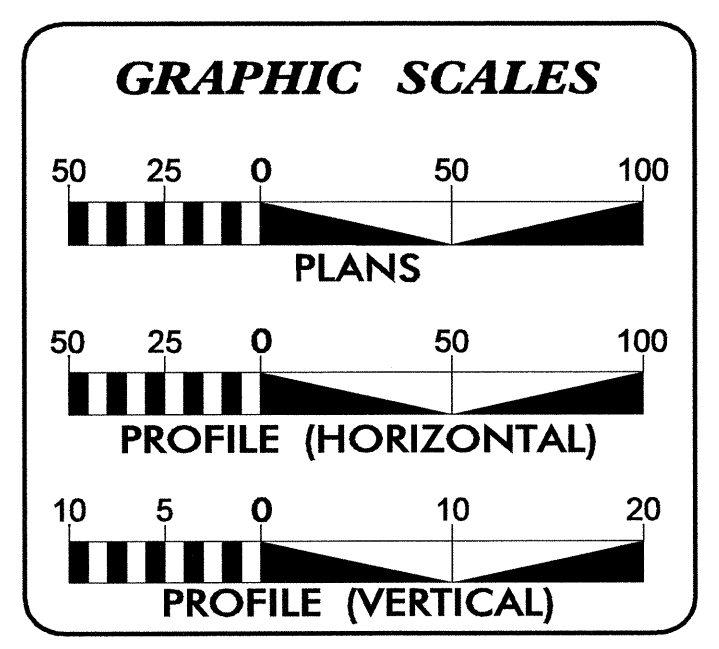
**TYPE OF WORK: WATER RELOCATION**



**TIP PROJECT: B-4026**



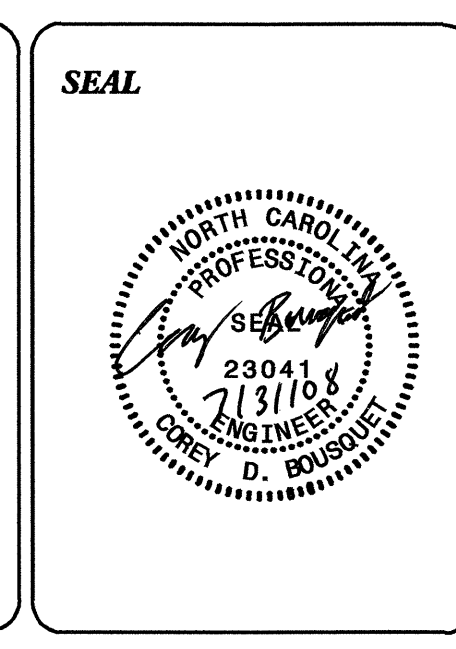
**UC-2**



**INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
UC-1	TITLE SHEET
UC-2	UTILITY CONSTRUCTION PLAN SHEETS
UC-3	DETAILS SHEET(S)

**WATER AND SEWER OWNERS ON PROJECT**  
(1) BERTIE COUNTY WATER



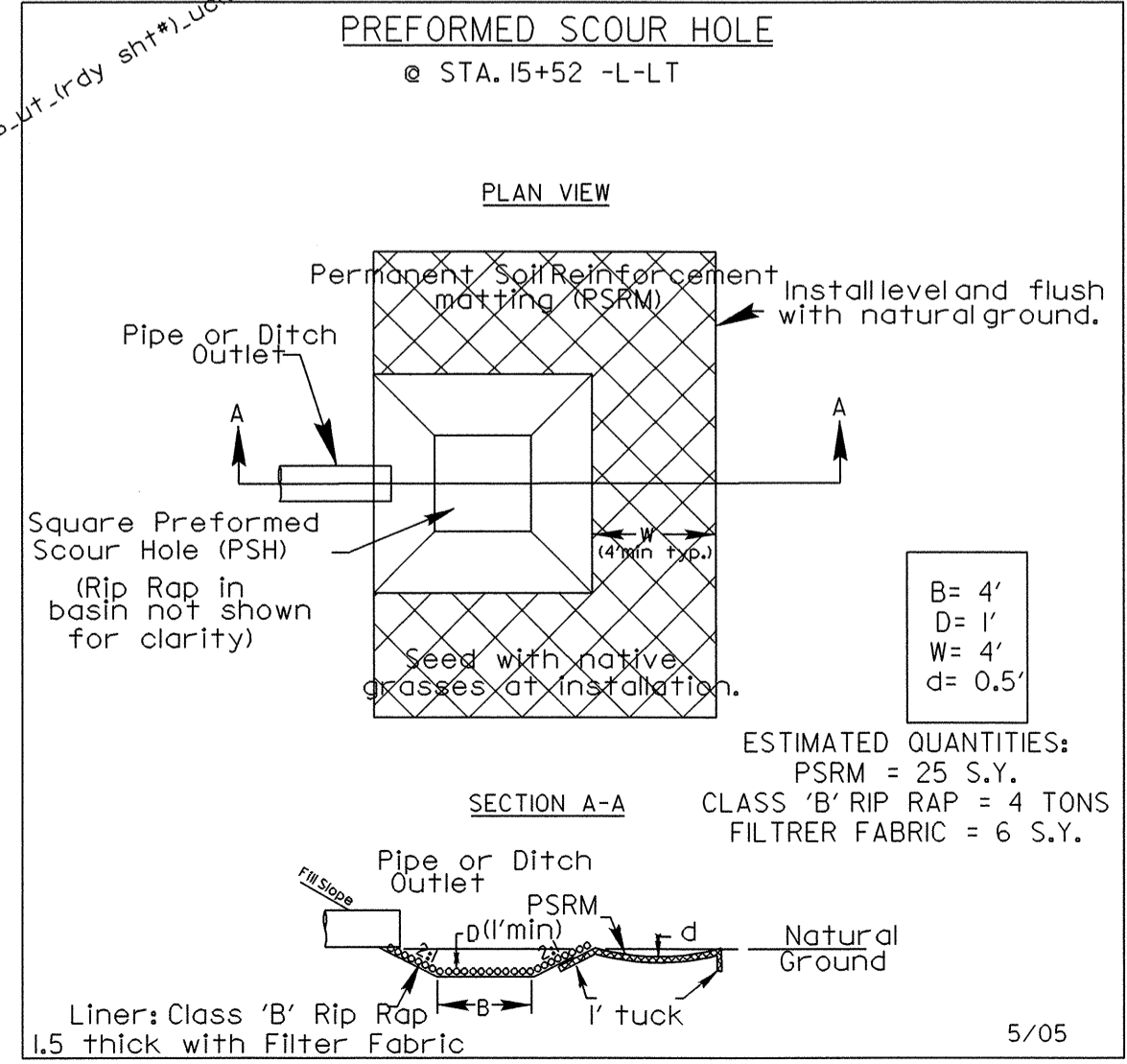
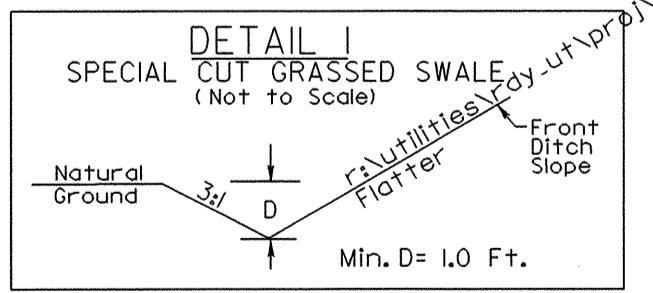
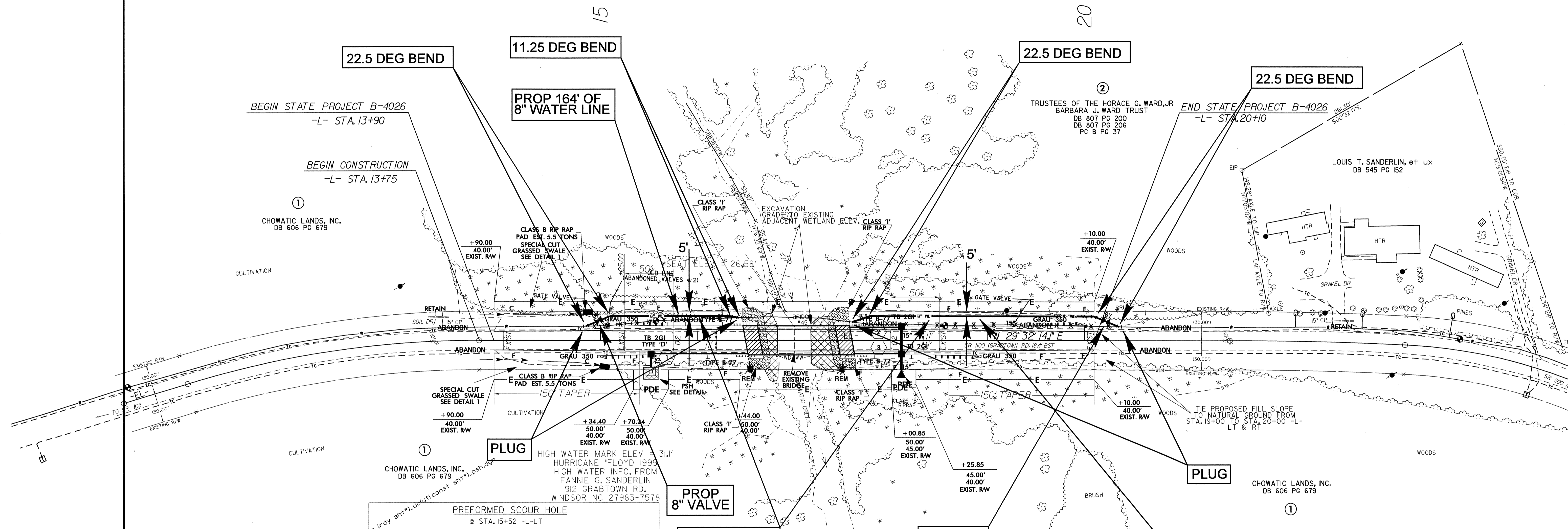
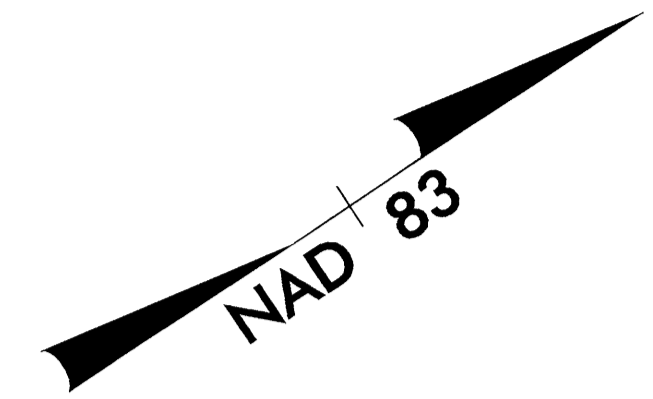
PREPARED IN THE OFFICE OF:  
**DIVISION OF HIGHWAYS**  
**PROJECT SERVICES**  
**UTILITY SECTION**  
1591 MAIL SERVICES CENTER  
RALEIGH, NC 27699-1591  
PHONE (919) 250-4128  
FAX (919) 250-4119

**Roger Worthington, P.E.** UTILITIES SECTION ENGINEER  
**Corey Bousquet, P.E.** UTILITIES SQUAD LEADER PROJECT ENGINEER  
**Brad Jackson** UTILITIES PROJECT DESIGNER

PROJECT REFERENCE NO.	SHEET NO.
B-4026	UC-2
DESIGNED BY: BSJ	
DRAWN BY: BSJ	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION PROJECT SERVICES UNIT PHONE: (919) 250-4128 FAX: (919) 250-4119	
UTILITY CONSTRUCTION PLANS ONLY	

**UTILITY CONSTRUCTION**

**BERTIE COUNTY WATER OWNS 8" WATER LINE**



5/14/09  
 31-JUL-2008 13:19  
 ut:\pic\104026\ut-1\rdj\_sht#\uc(ut)\_const\_sht#.psh.dgn  
 USER:RNM

PROJECT REFERENCE NO.	SHEET NO.
B-4026	UC-3
DESIGNED BY: BSJ	
DRAWN BY: BSJ	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION PROJECT SERVICES UNIT PHONE: (919) 250-4128 FAX: (919) 250-4119	

**UTILITY CONSTRUCTION**

**CLASS "C"**  
(BEDDING FOR P.V.C. PIPE)

PIPE BEDDED IN LOOSE MATERIAL, LIGHTLY TAMPED WITH A MINIMUM OF 6" UNDER PIPE. TRENCH BACKFILLED IN LOOSE 6" LAYERS COMPACTED TO TOP OF TRENCH USING LOCAL EXCAVATED MATERIAL, IF APPROVED BY THE ENGINEER, OR SELECT MATERIAL. ALL MATERIAL SHALL BE FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH. COMPACTION SHALL BE TO APPROX. 95% DENSITY IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY THE DEPARTMENT OF TRANSPORTATION.

**TYPE "2"**  
(BEDDING FOR D.I. PIPE)

PIPE BEDDED IN FLAT-BOTTOM TRENCH. TRENCH BACKFILLED IN LOOSE 6" LAYERS COMPACTED TO TOP OF TRENCH USING LOCAL EXCAVATED MATERIAL, IF APPROVED BY THE ENGINEER, OR SELECT MATERIAL. ALL MATERIAL SHALL BE FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH. COMPACTION SHALL BE TO APPROX. 95% DENSITY IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY THE DEPARTMENT OF TRANSPORTATION.

**MAXIMUM TRENCH WIDTH  
AT TOP OF PIPE**

NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)	NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)
4	28	20	44
6	30	24	48
8	32	30	54
10	34	36	60
12	36	42	66
14	38	48	72
16	40	54	78
18	42		

09/08/99

TIP PROJECT: B-4026

T.I.P. NO.	SHEET NO.
B-4026	UO-1

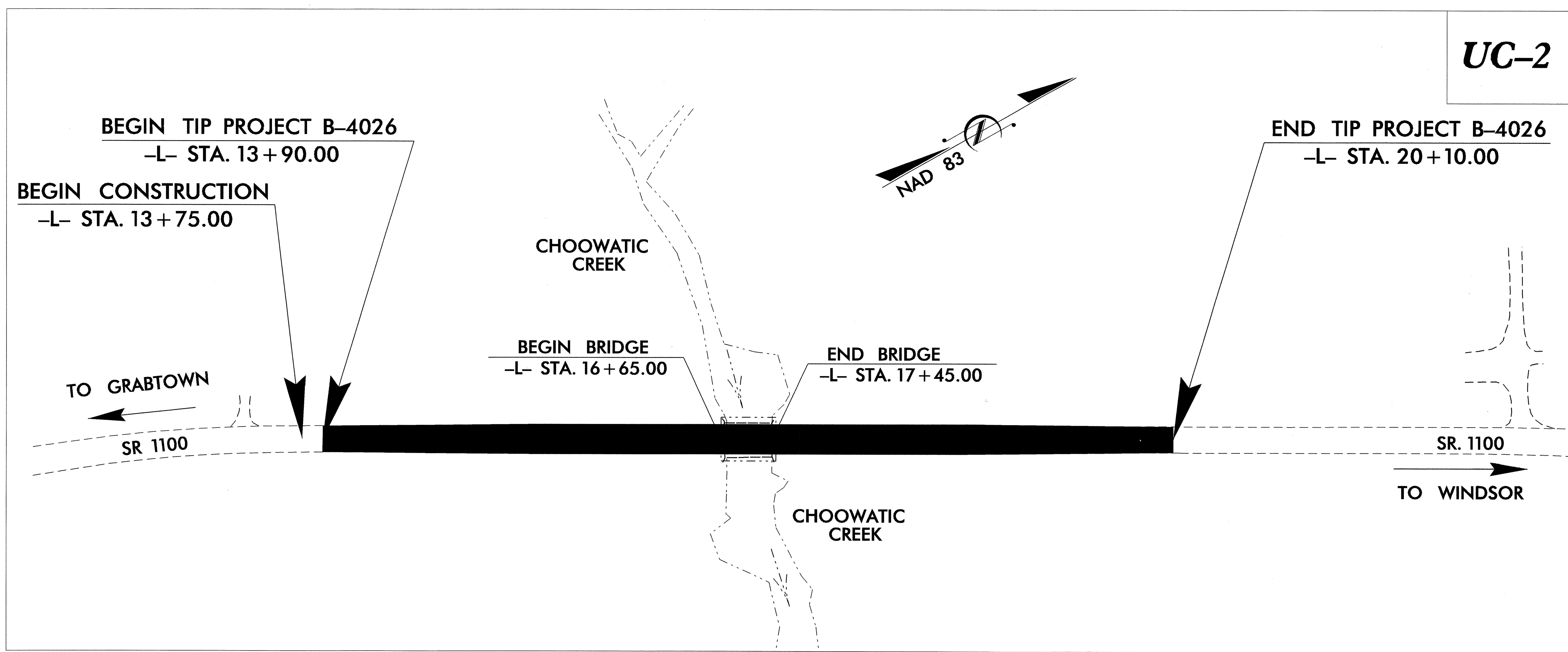
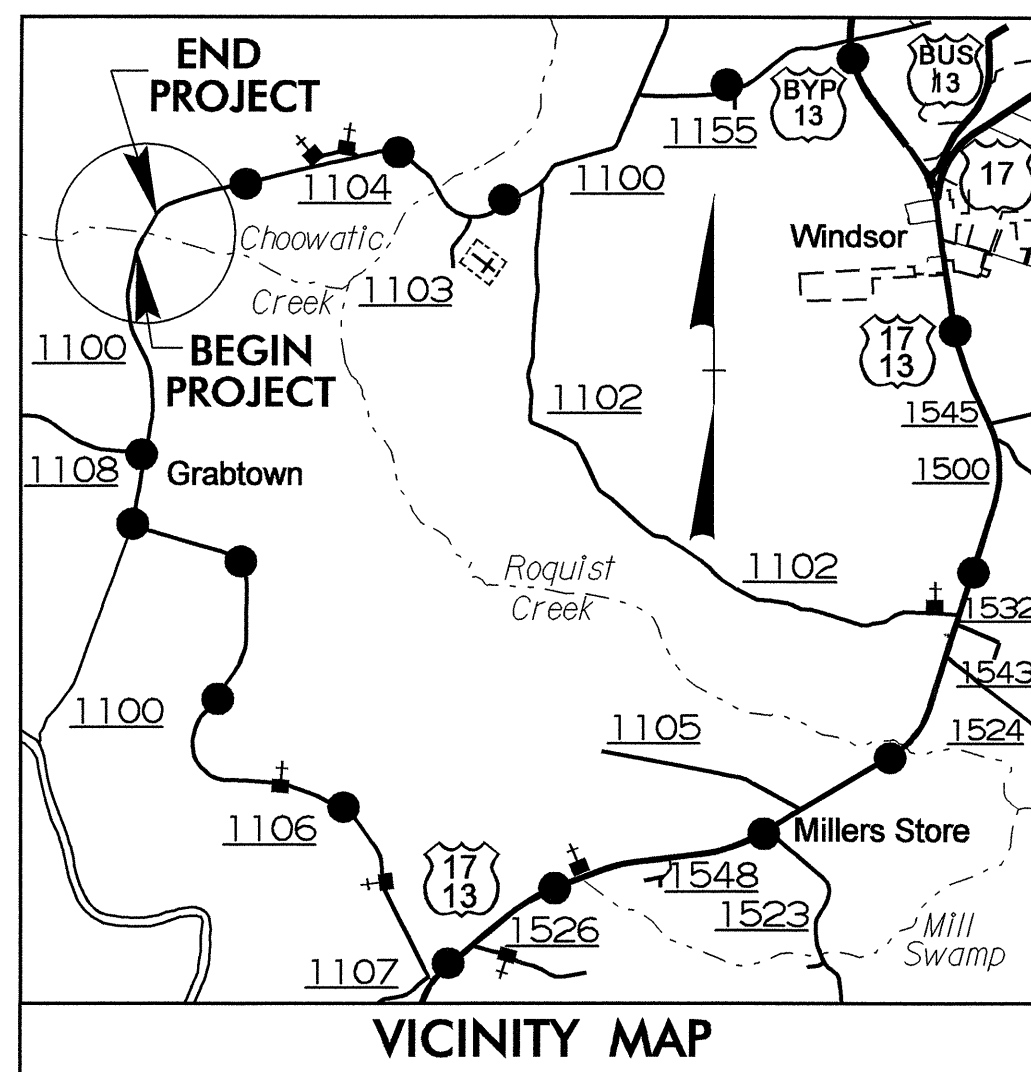
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**UTILITY BY OTHERS PLANS  
BERTIE COUNTY**

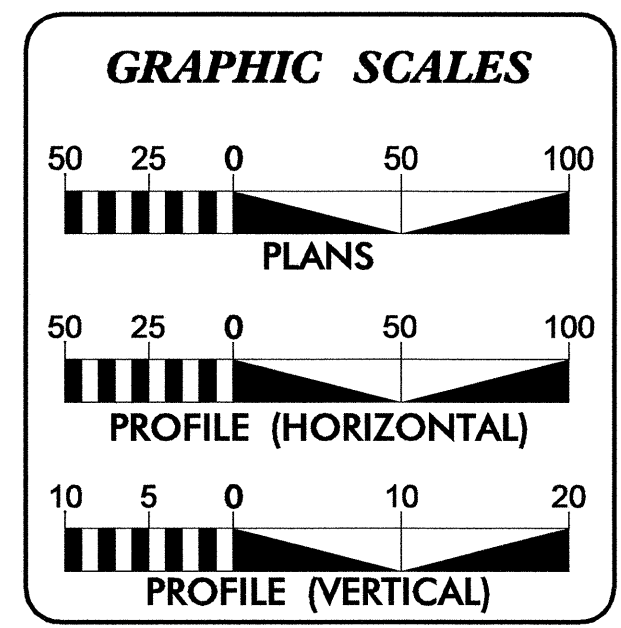
LOCATION: **BRIDGE NO. 45 OVER CHOOWATIC CREEK ON SR 1100**

TYPE OF WORK: **WATER RELOCATION**

W 1114 B CELL

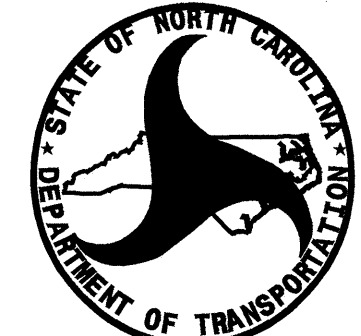


UC-2



INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
UO-1	TITLE SHEET
UO-2	UTILITY BY OTHERS PLAN SHEETS

UTILITY OWNERS ON PROJECT	
(1)	ROANOKE ELECTRIC CO
(2)	EMBARQ

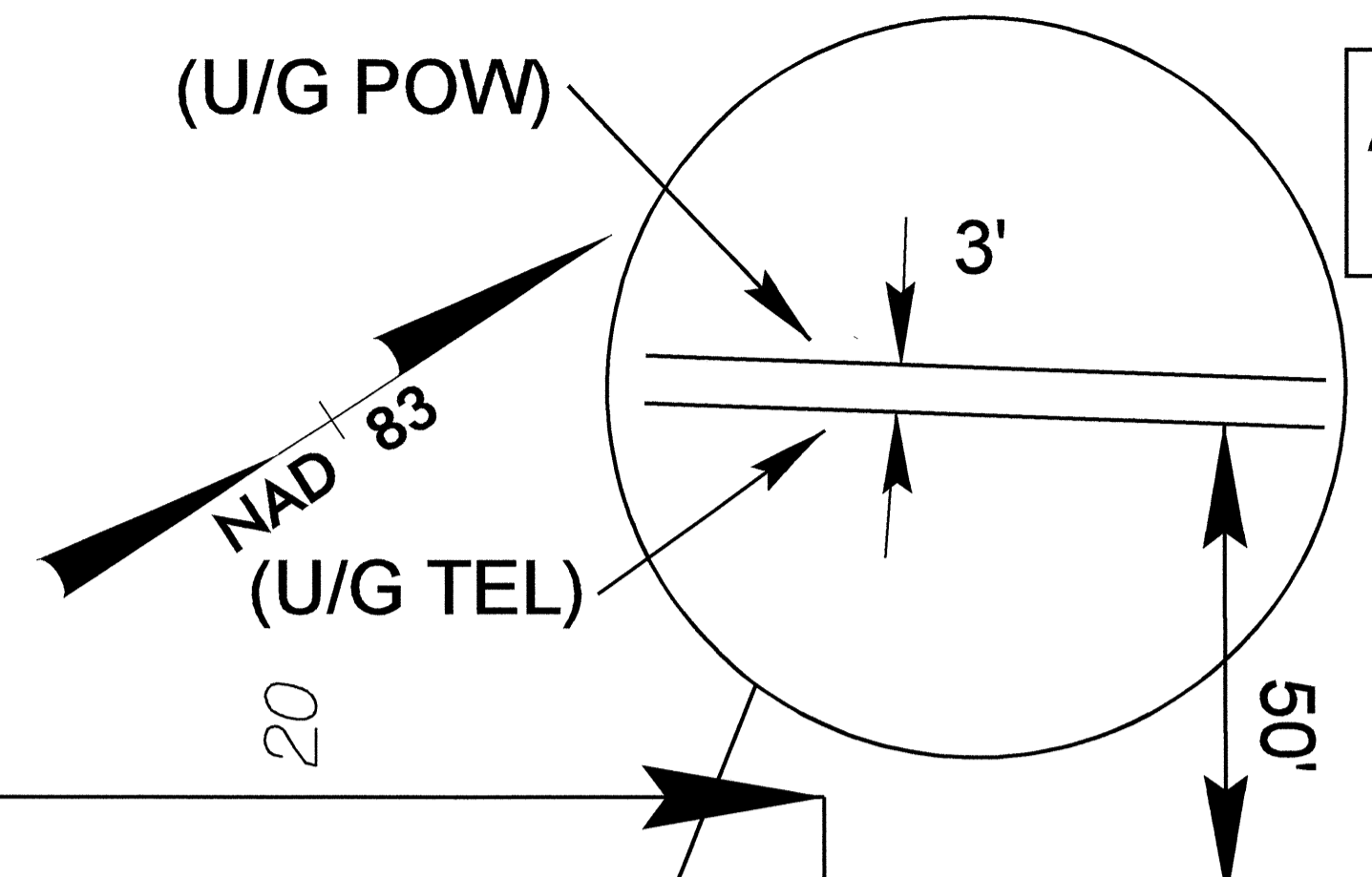
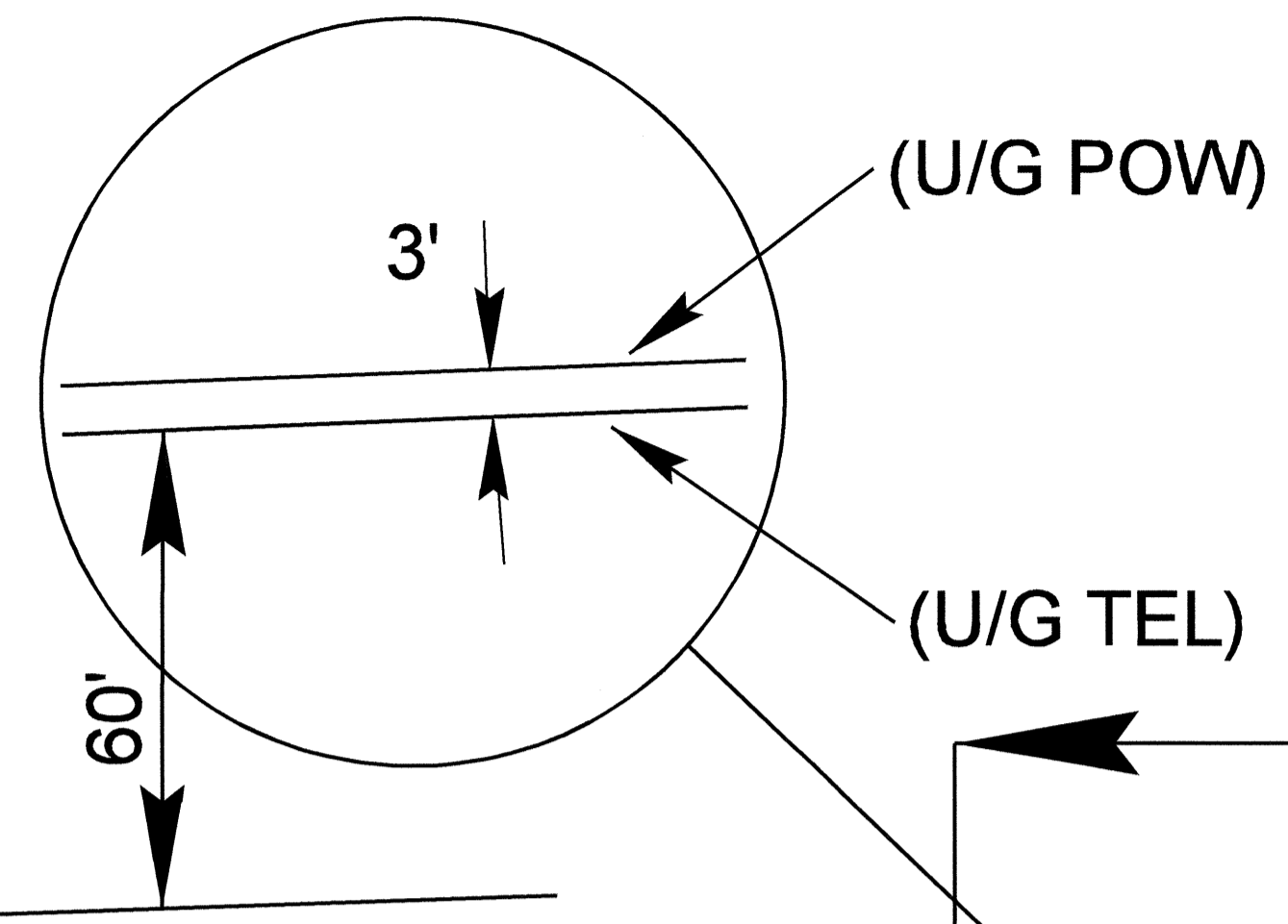

 PREPARED IN THE OFFICE OF:  
**DIVISION OF HIGHWAYS  
 DESIGN SERVICES  
 UTILITY SECTION**  
 1591 MAIL SERVICES CENTER  
 RALEIGH, NC 27699-1591  
 PHONE (919) 250-4128  
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Roger Worthington, P.E. UTILITIES SECTION ENGINEER  
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 Brad Jackson UTILITIES PROJECT DESIGNER

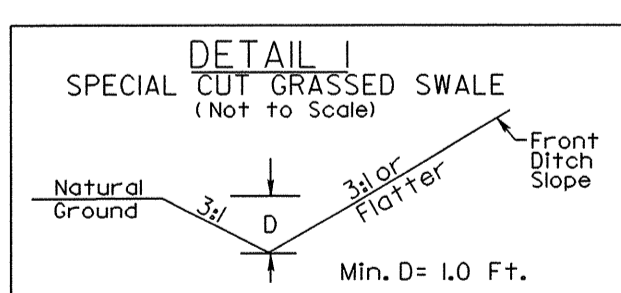
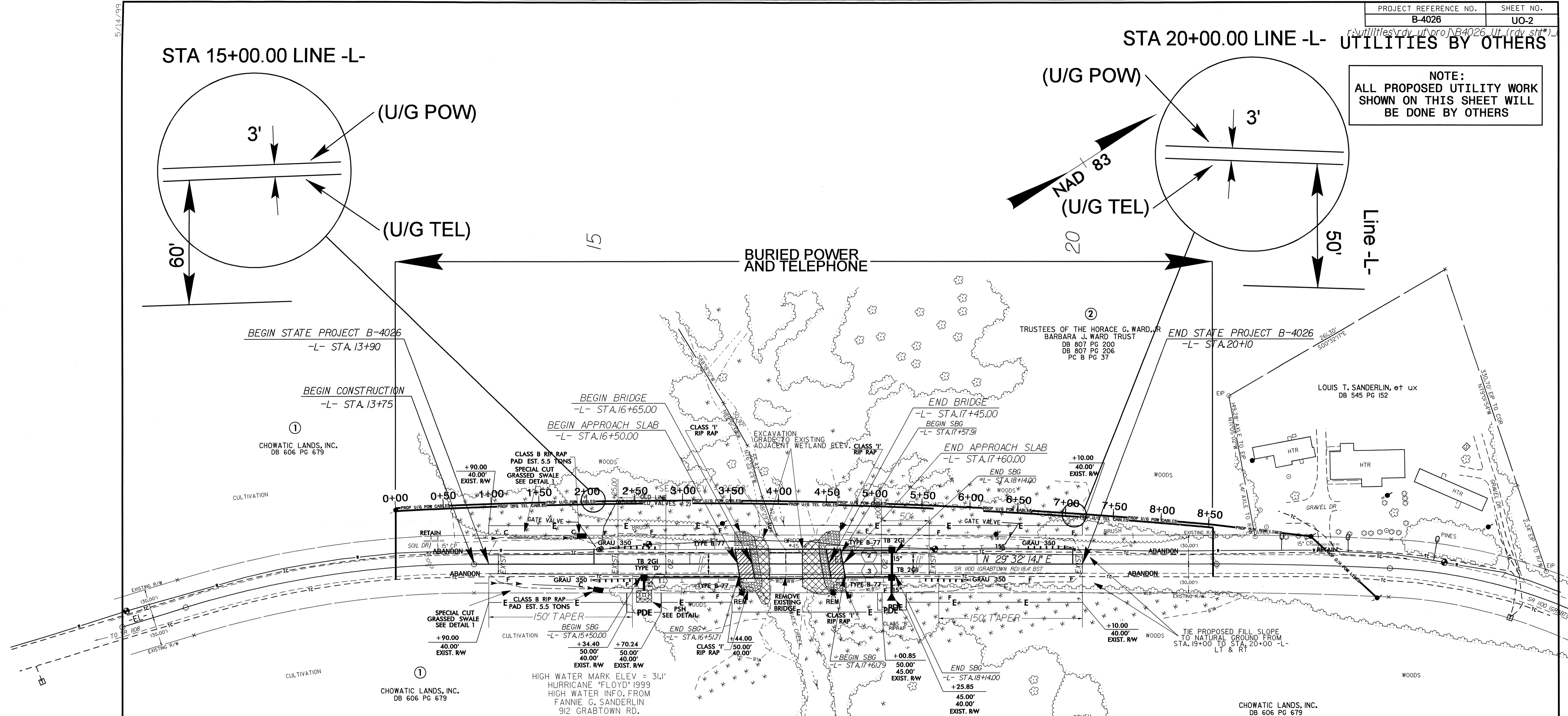
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\$\$\$\$\$USERNAME\$\$\$\$\$

STA 15+00.00 LINE -L-

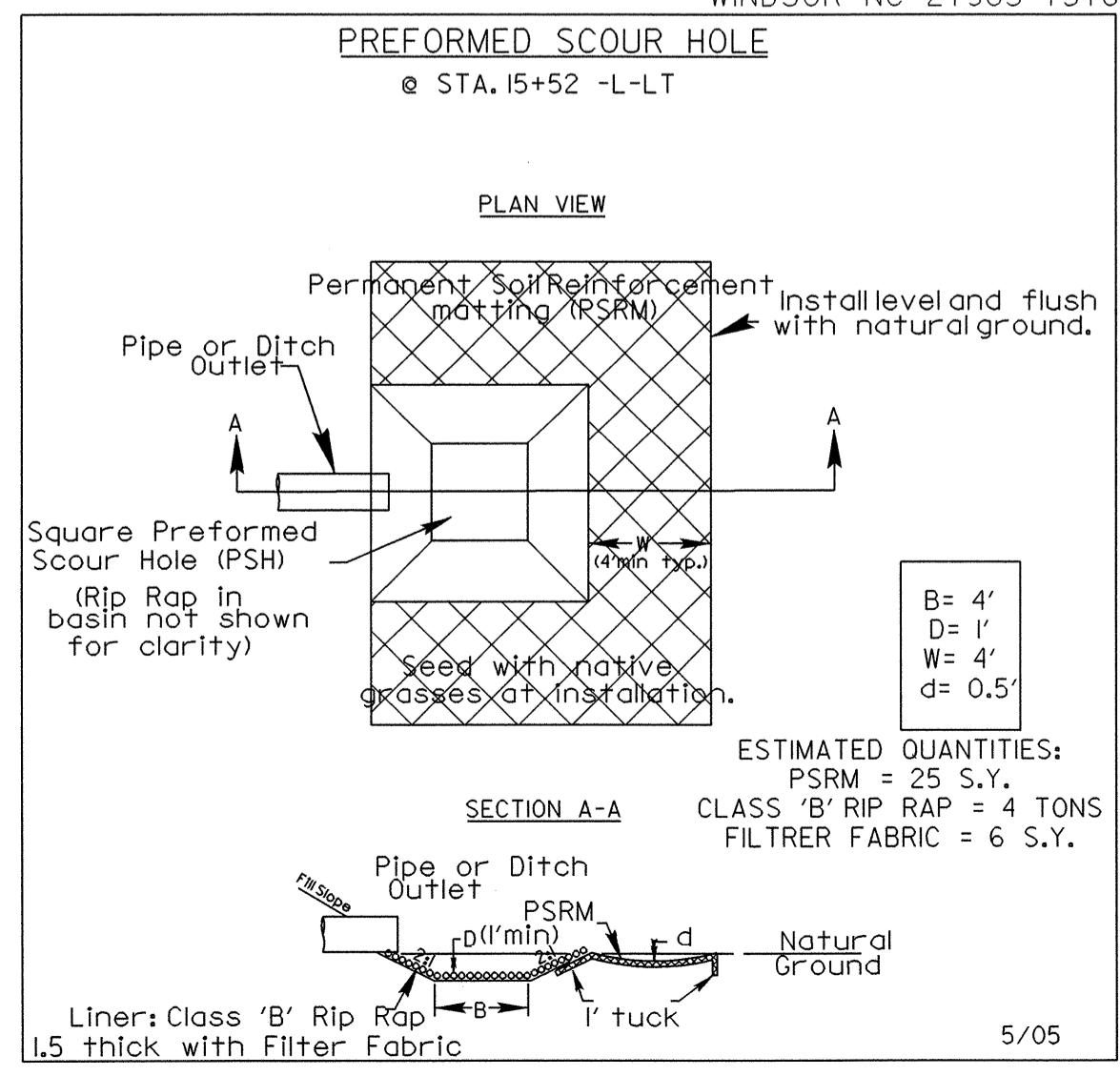
STA 20+00.00 LINE -L- UTILITIES BY OTHERS



NOTE:  
ALL PROPOSED UTILITY WORK  
SHOWN ON THIS SHEET WILL  
BE DONE BY OTHERS



FROM STA. 13+75 TO 15+00 -L- RT  
STA. 13+75 TO 14+75 -L- LT



ESTIMATED QUANTITIES:  
PSRM = 25 S.Y.  
CLASS 'B' RIP RAP = 4 TONS  
FILTER FABRIC = 6 S.Y.

POWER LINE OWNED BY ROANOKE ELECTRIC CO  
TELEPHONE LINE OWNED BY EMBARQ

5/14/09  
29-JUL-2008 13:25  
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