

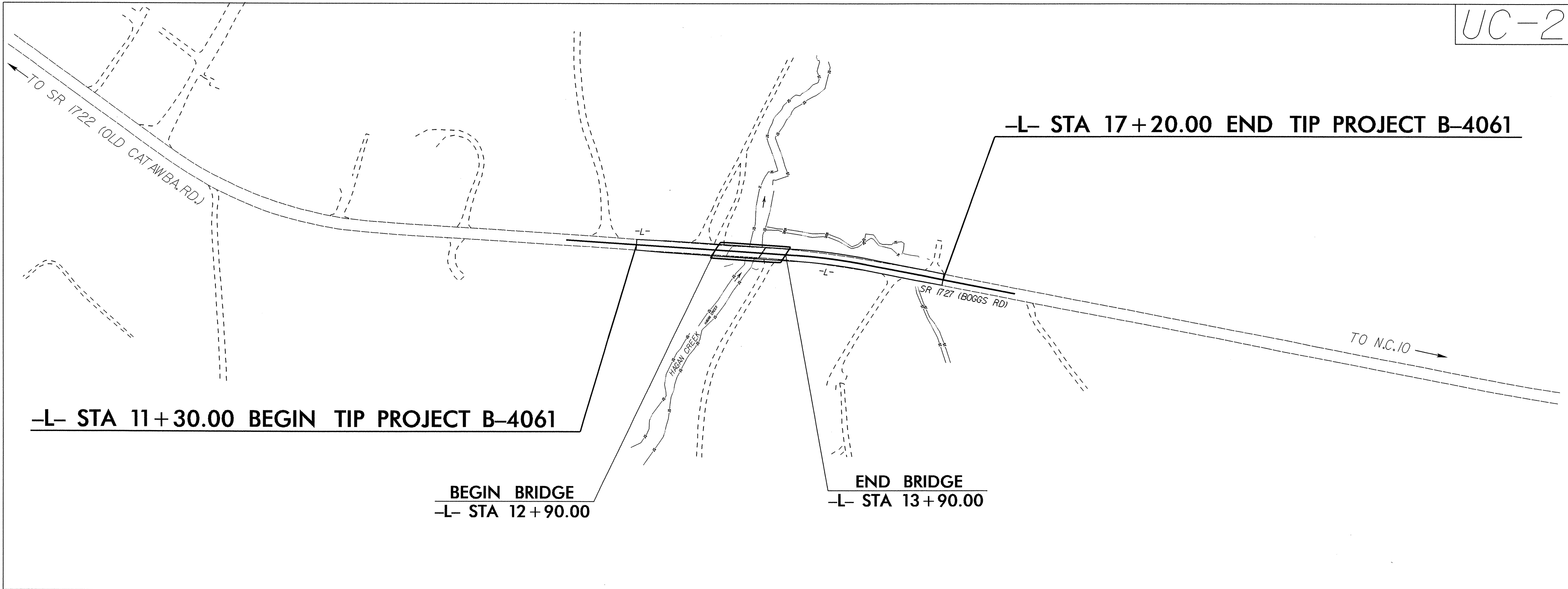
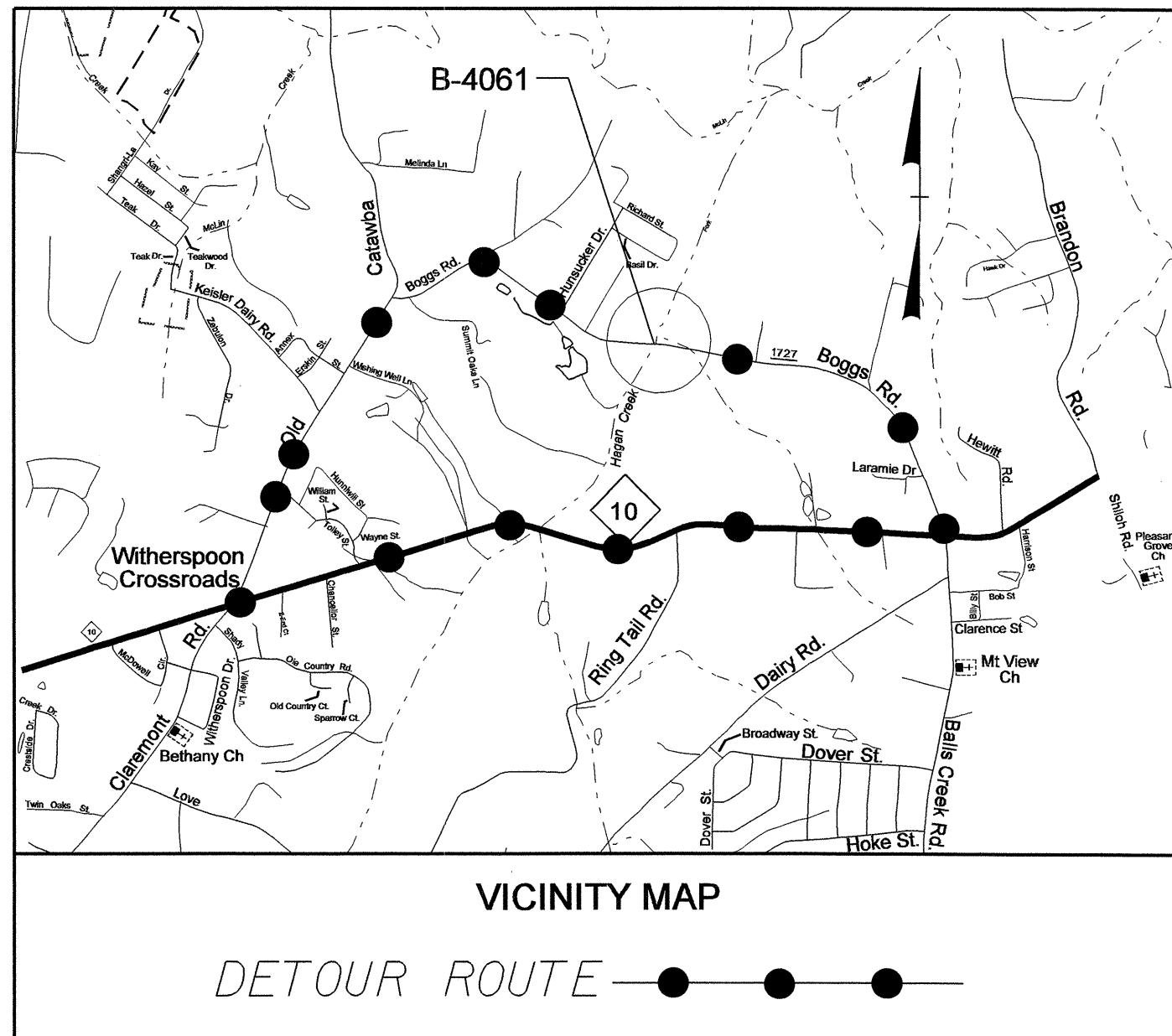
T.I.P. NO.	SHEET NO.
B-4061	UC-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

**UTILITY CONSTRUCTION PLANS
CATAWBA COUNTY**

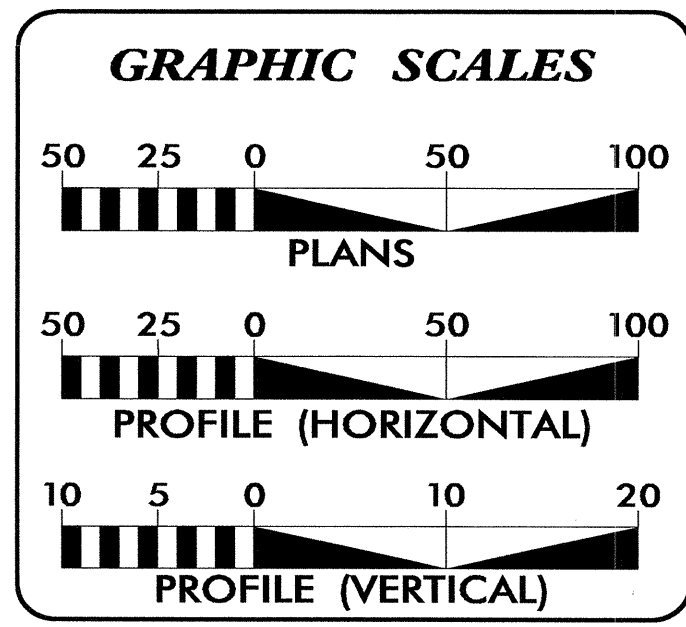
**LOCATION: BRIDGE NO. 90 OVER HAGAN
CREEK ON SR 1727 (BOGGS RD)**

TYPE OF WORK: WATER MAIN RELOCATION



PROPOSED 12" WATER MAIN TO BE D.I.P.

TIP PROJECT: B-4061

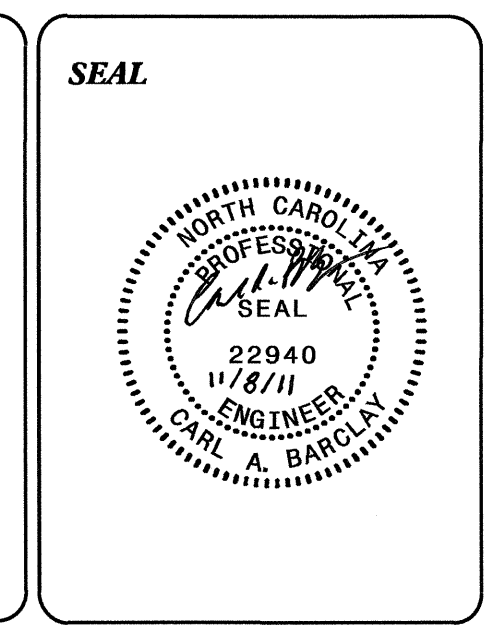


INDEX OF SHEETS

SHEET NO.	DESCRIPTION
UC-1	TITLE SHEET
UC-2	UTILITY CONSTRUCTION PLAN SHEET

WATER OWNER ON PROJECT

(1) WATER - CATAWBA COUNTY / CITY OF CONOVER



PREPARED IN THE OFFICE OF:
**DIVISION OF HIGHWAYS
UTILITIES ENGINEERING
SECTION**

1555 MAIL SERVICES CENTER
RALEIGH NC 27699-1555
PHONE (919) 707-6690
FAX (919) 250-4151

Roger Worthington, P.E. UTILITIES SECTION ENGINEER
Carl A. Barclay, PE UTILITIES SQUAD LEADER PROJECT ENGINEER
James E. Swinson UTILITIES PROJECT DESIGNER

01-NOV-2011 09:28 R:\Utilities\RDY_UF\Proj\b-4061\ut_title.ucl_psh.dgn \$\$\$USERNAME\$\$\$

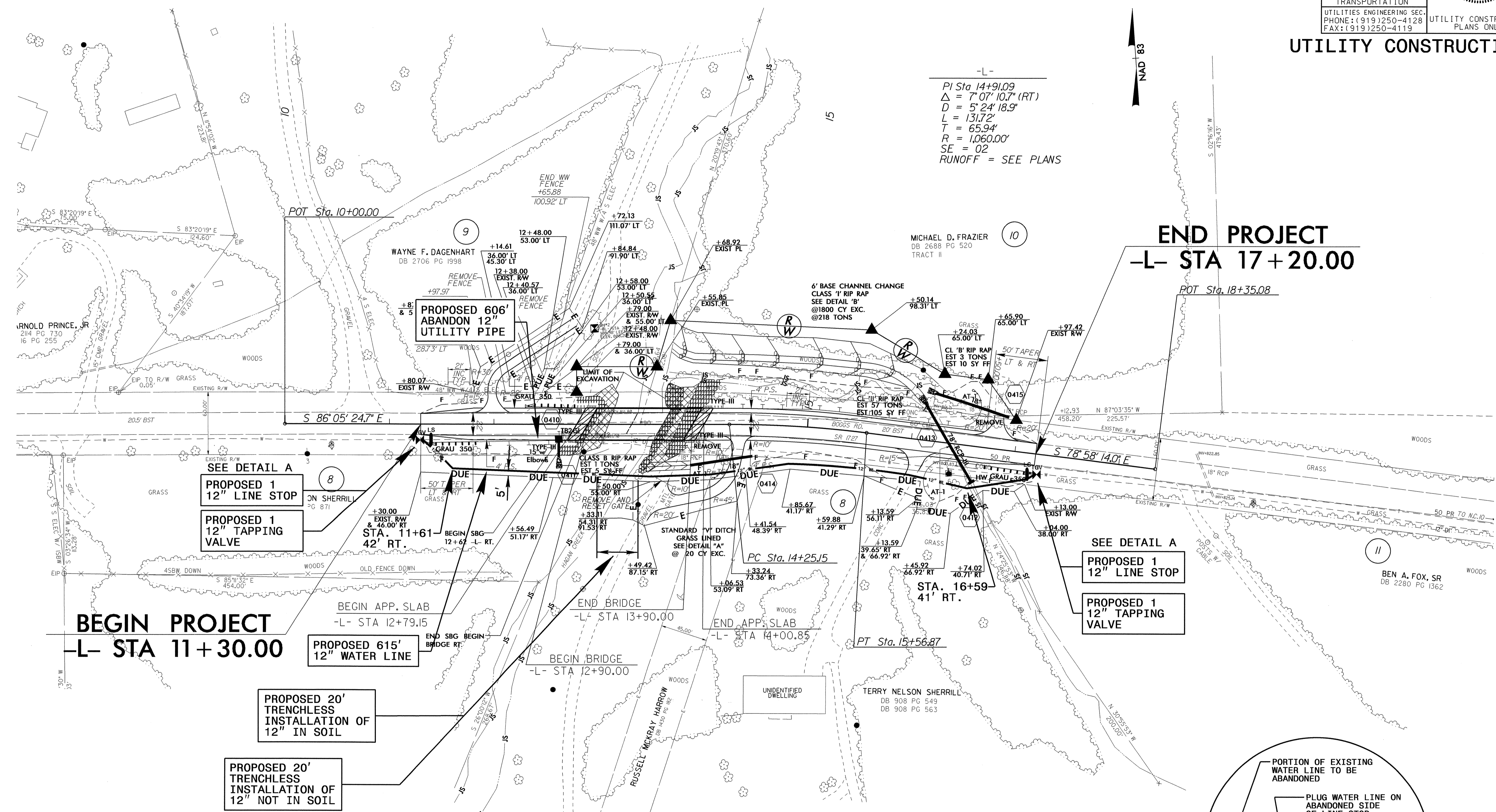
5/14/99

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833311250-4128\B-4061-uc-2.psh.dgn

NOTE: THE CONTRACTOR'S ATTENTION IS DIRECTED TO ARTICLE 1550 AND SECTIONS 102 AND 107 OF THE STANDARD SPECIFICATIONS CONCERNING THE TRENCHLESS INSTALLATION. NO DAMAGE IS ALLOWED TO THE ROADWAY, STRUCTURE, WETLAND OR STREAM BY THE TRENCHLESS INSTALLATION. THE CONTRACTOR'S ENGINEER SHALL DESIGN AND CERTIFY THE INSTALLATION METHOD AND PROVIDE ON-SITE OVERSIGHT.

PROJECT REFERENCE NO.	SHEET NO.
B-4061	UC-2
DESIGNED BY: JES	
DRAWN BY: JES	
CHECKED BY: CAB	
APPROVED BY: CAB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919)250-4128 FAX: (919)250-4119	
UTILITY CONSTRUCTION PLANS ONLY	

UTILITY CONSTRUCTION



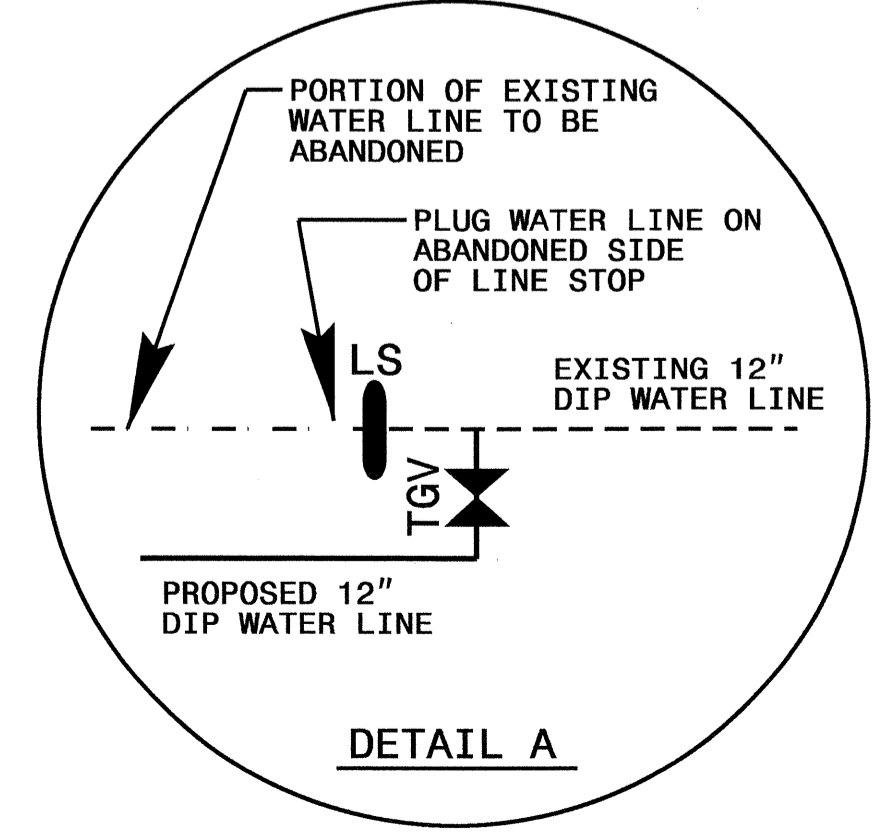
-L-

PI Sta 14+91.09
 $\Delta = 7^{\circ}07'10.7''$ (RT)
 $D = 5^{\circ}24'18.9''$
 $L = 131.72'$
 $T = 65.94'$
 $R = 1,060.00'$
 $SE = 02$
 RUNOFF = SEE PLANS

END PROJECT
 -L- STA 17+20.00

BEGIN PROJECT
 -L- STA 11+30.00

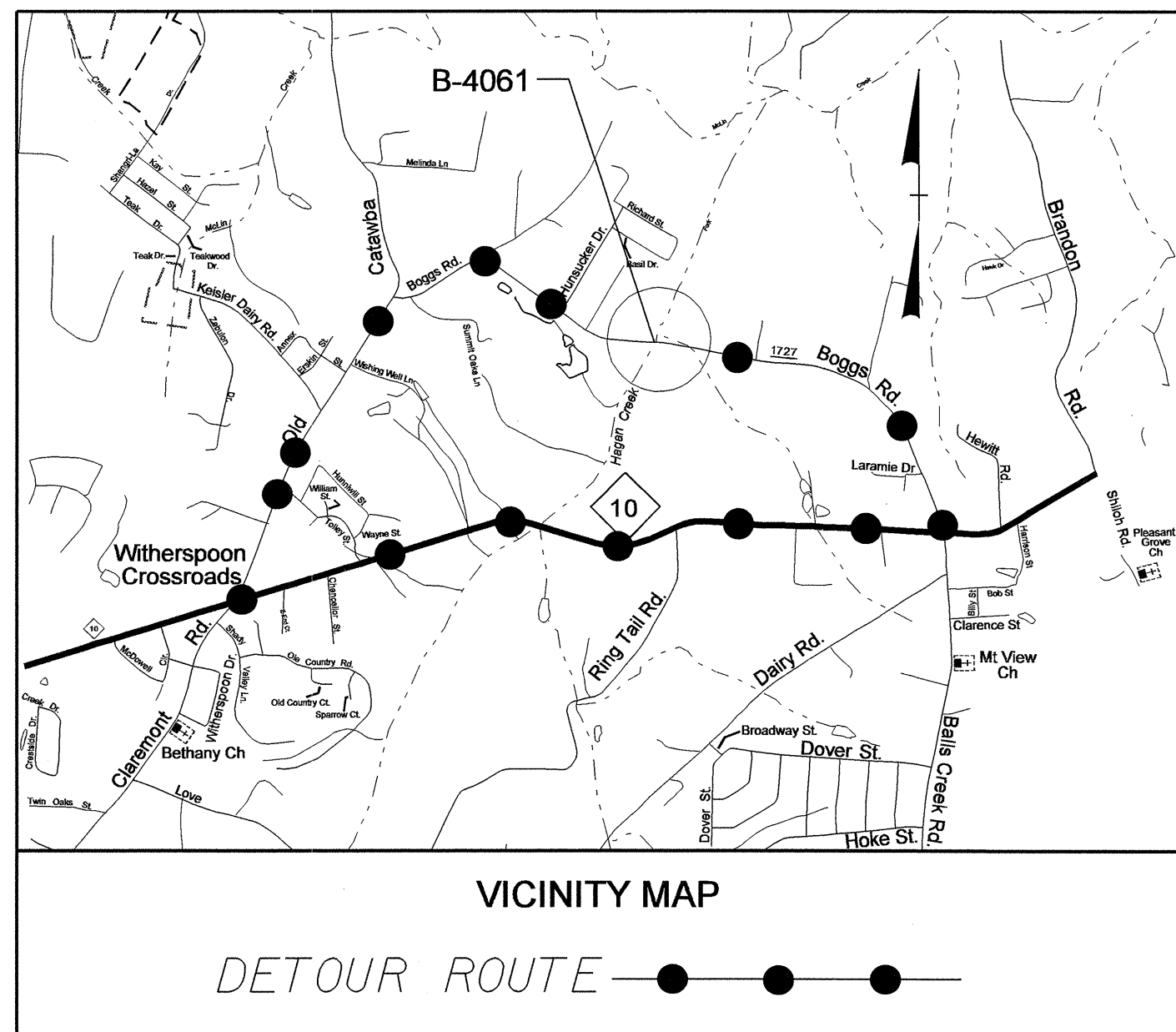
NOTE: FOR PURPOSES OF PAY ITEM, THE LIMITS OF TRENCHLESS INSTALLATION, ARE 10 FEET FROM TOP OF BANK, EACH SIDE OF CREEK.



DETAIL A

09/05/99

TIP PROJECT: B-4061

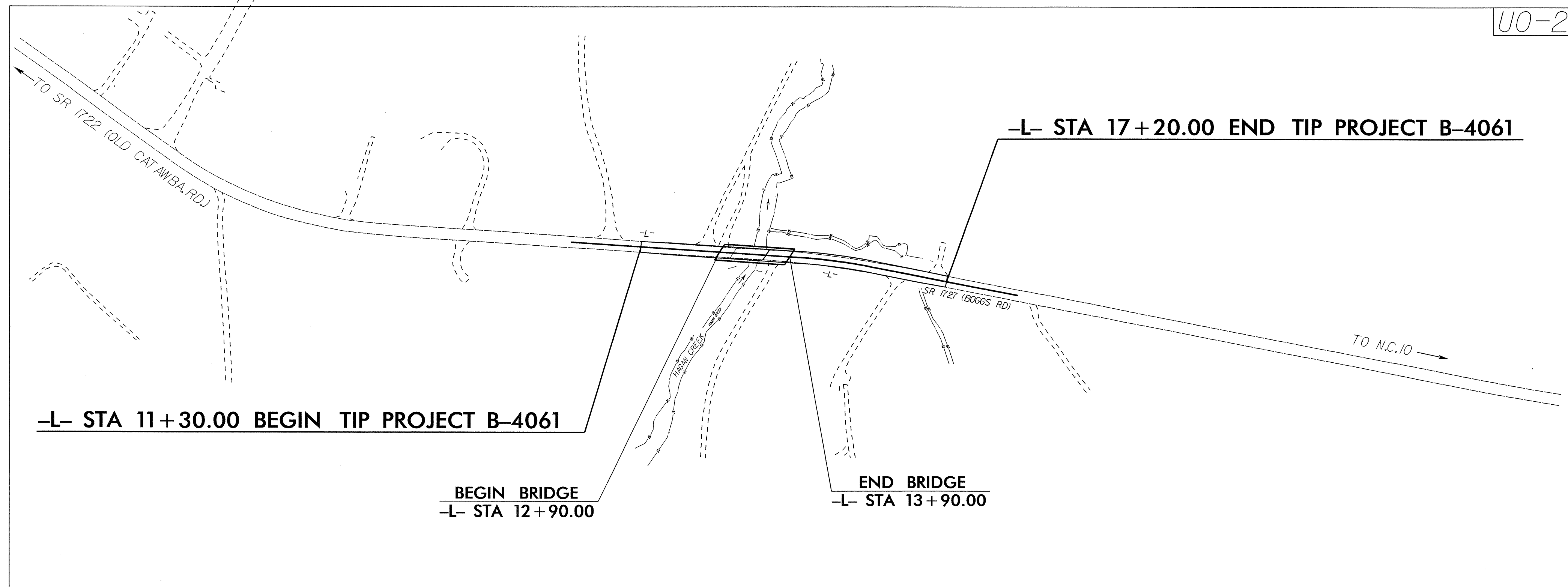


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

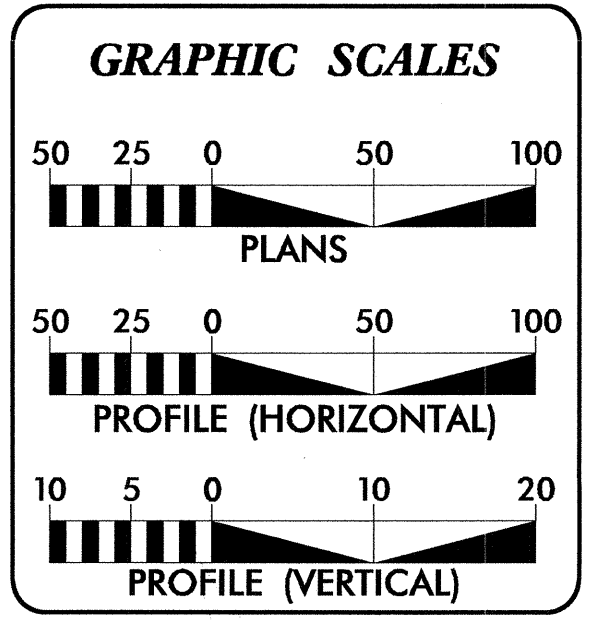
**UTILITIES BY OTHERS PLANS
CATAWBA COUNTY**

LOCATION: BRIDGE NO. 90 OVER HAGAN CREEK ON SR 1727 (BOGGS RD)
TYPE OF WORK: AERIAL POWER /TELEPHONE

T.I.P. NO.	SHEET NO.
B-4061	UO-1



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



INDEX OF SHEETS

SHEET NO.	DESCRIPTION
UO-1	TITLE SHEET
UO-2	UTILITIES BY OTHERS PLAN SHEET

UTILITY OWNERS ON PROJECT

- CENTURY LINK - TELEPHONE
- DUKE ENERGY - DISTRIBUTION POWER

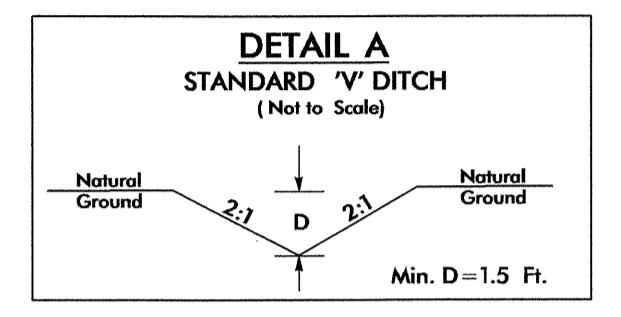
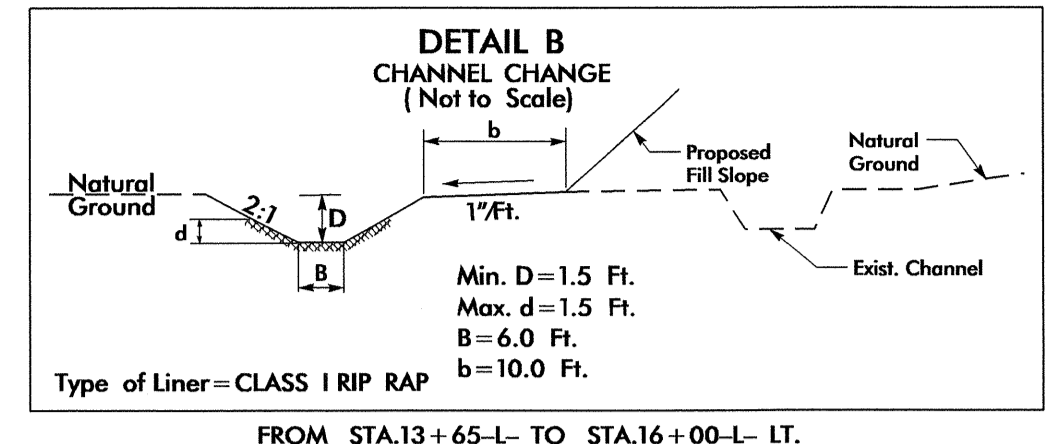
PREPARED IN THE OFFICE OF:
**DIVISION OF HIGHWAYS
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James E. Swinson UTILITIES PROJECT DESIGNER

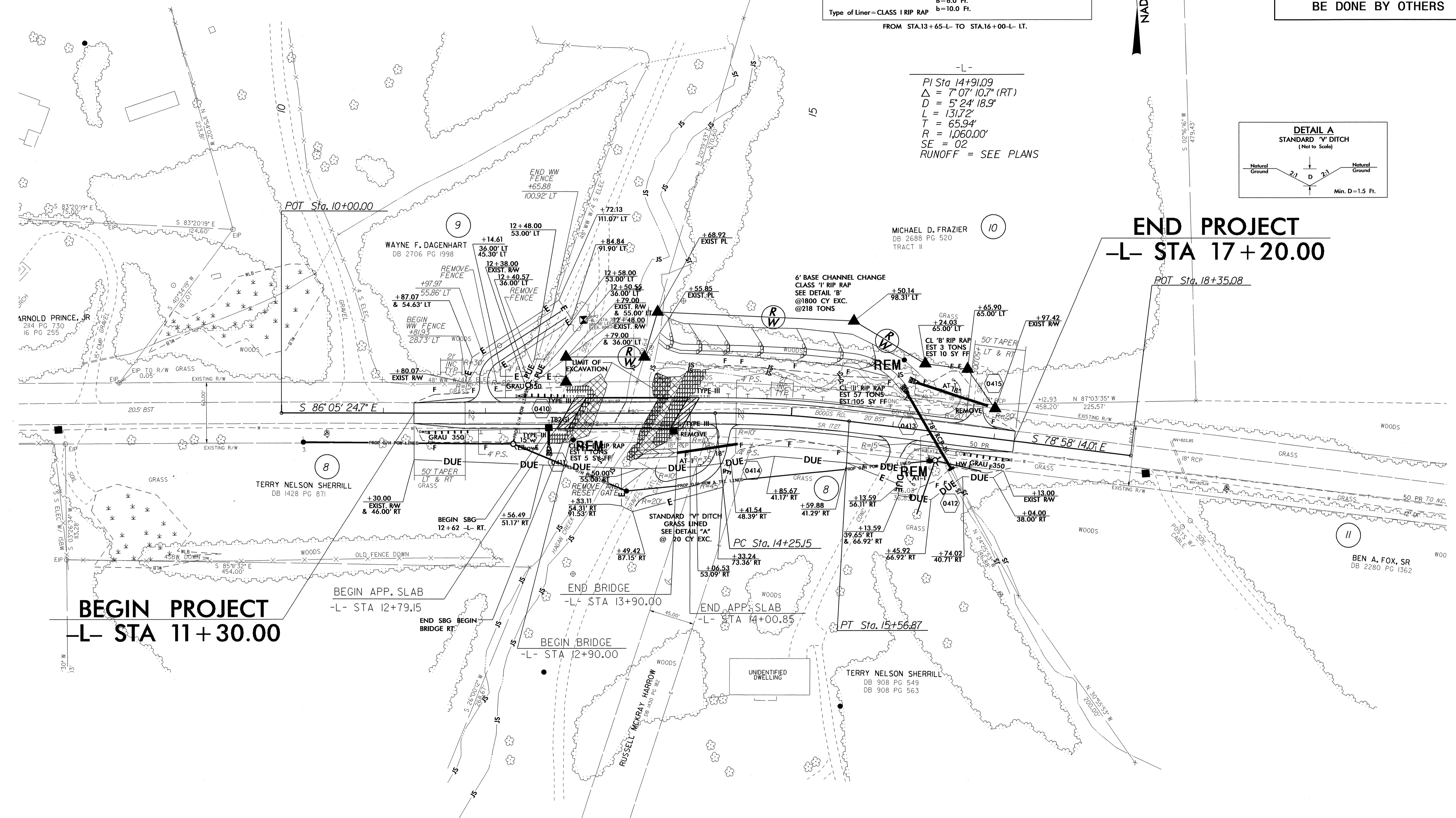
UTILITIES BY OTHERS

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



-L-
 PI Sta 14+91.09
 $\Delta = 7^{\circ}07'10.7''$ (RT)
 $D = 5^{\circ}24'18.9''$
 $L = 1317.2'$
 $T = 65.94'$
 $R = 1,060.00'$
 $SE = 02$
 RUNOFF = SEE PLANS

END PROJECT
-L- STA 17+20.00



BEGIN PROJECT
-L- STA 11+30.00

5/14/99

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