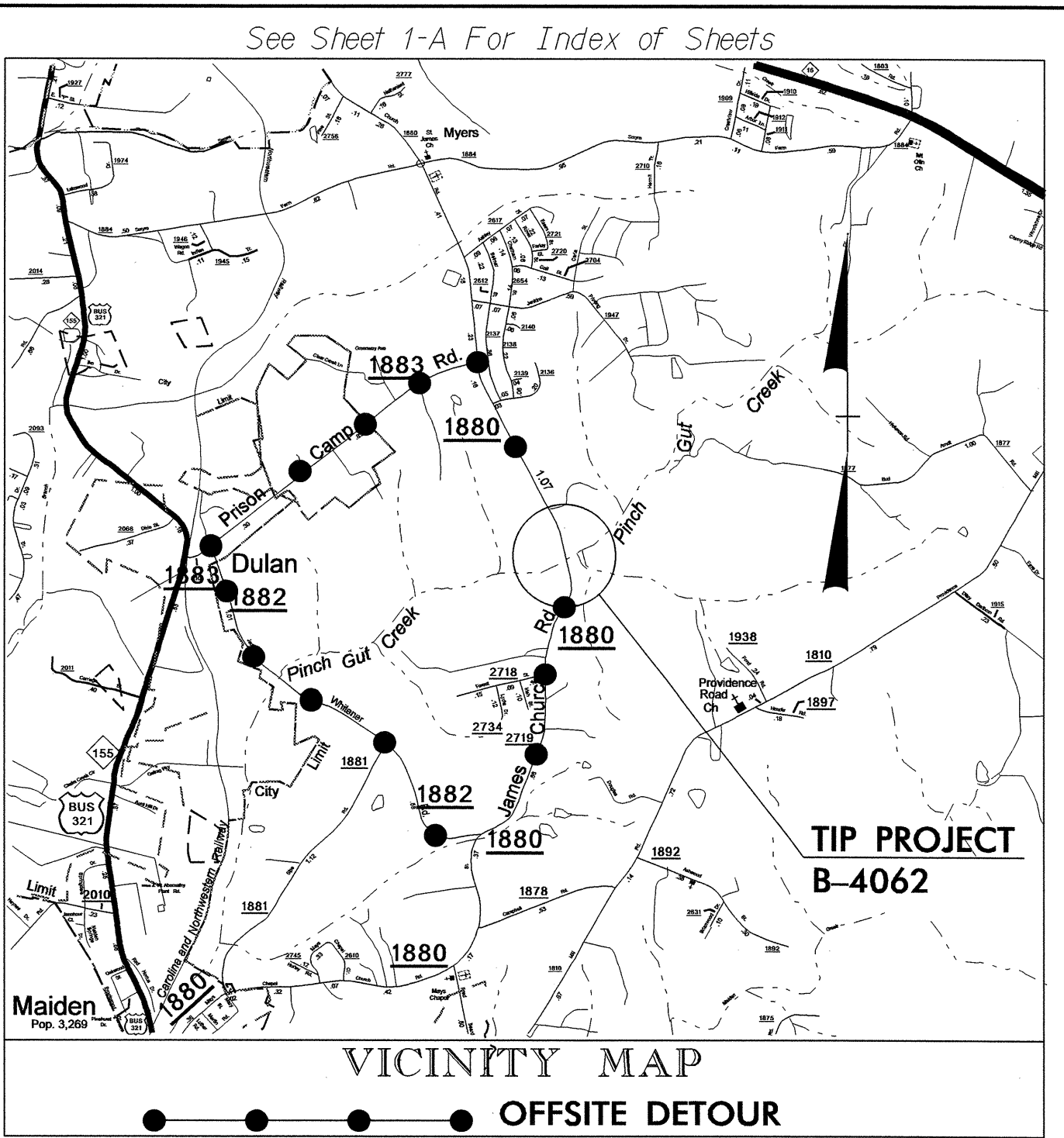


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T.I.P. NO.	SHEET NO.
B-4062	UO-1

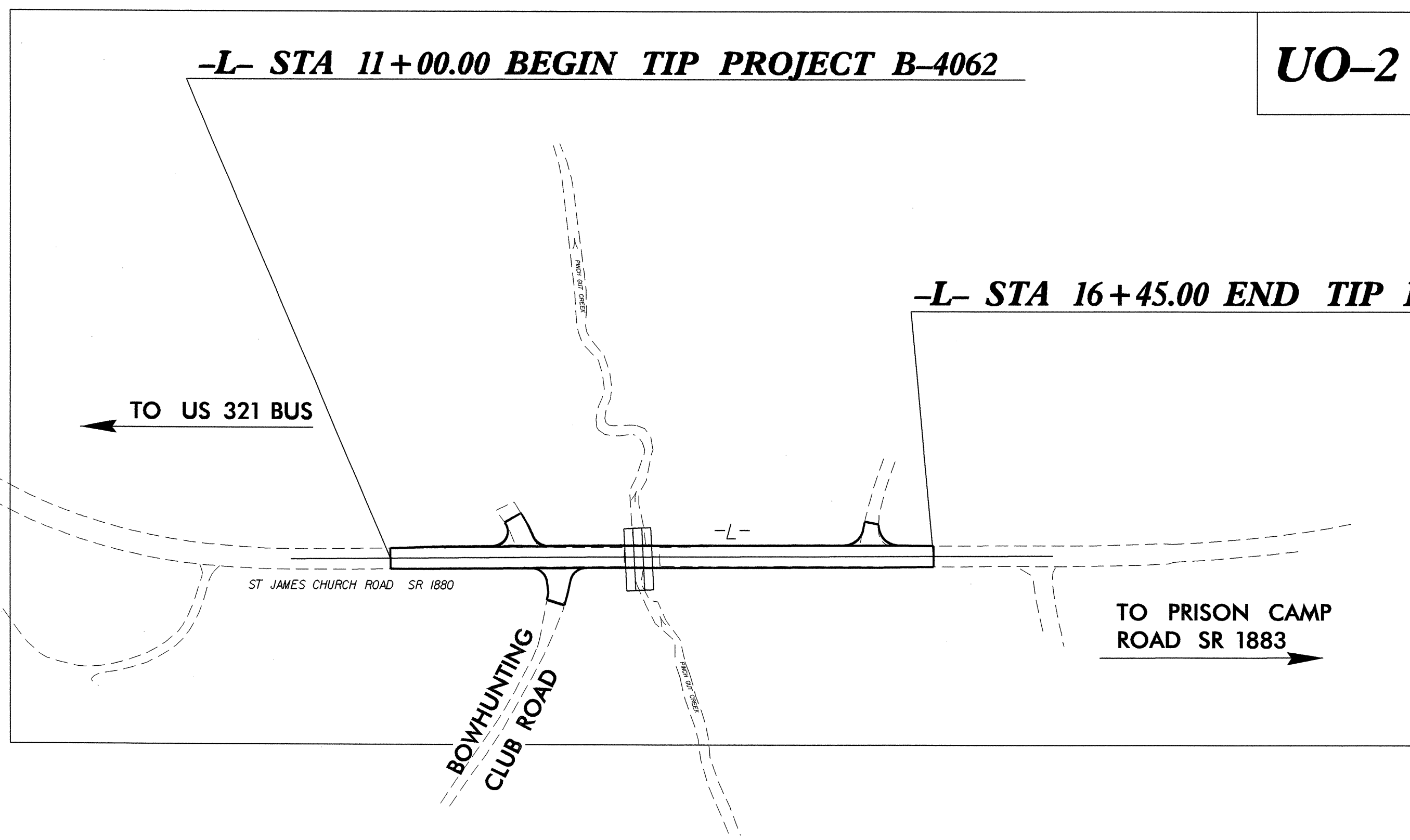
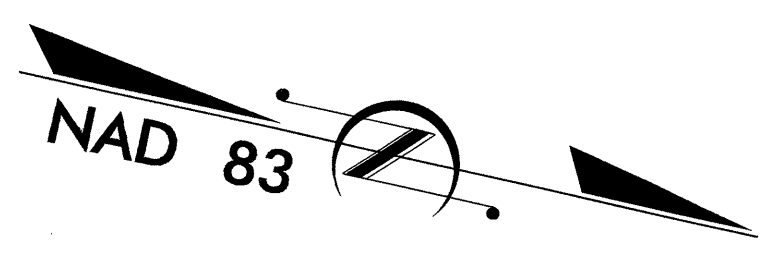


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

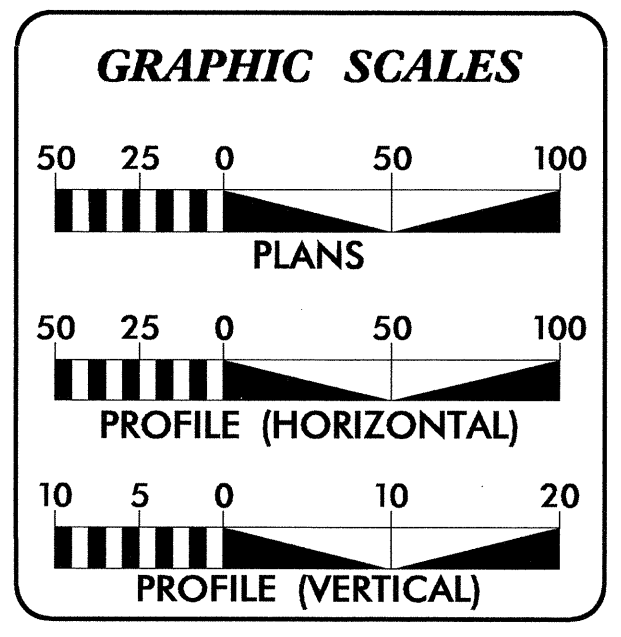
UTILITIES BY OTHERS PLANS CATAWBA COUNTY

**LOCATION: BRIDGE 127 OVER PINCH GUT CREEK
ON SR 1880 (ST. JAMES CHURCH RD.)**

TYPE OF WORK: JOINT USE AERIAL UTILITIES



CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III
THIS PROJECT IS NOT WITHIN ANY MUNICIPAL BOUNDARIES.



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

UTILITY OWNERS ON PROJECT
(1) TELEPHONE - AT&T (FORMERLY BELLSOUTH)
(2) POWER DISTRIBUTION - DUKE ENERGY

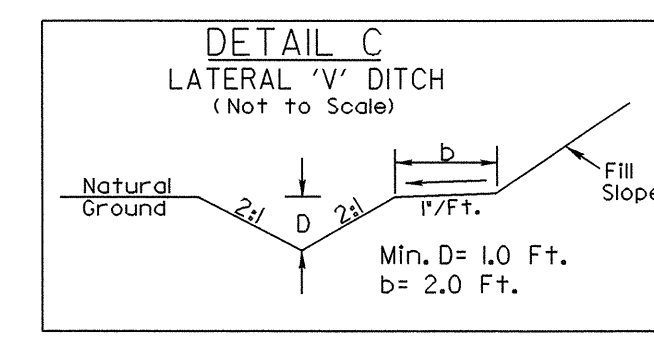
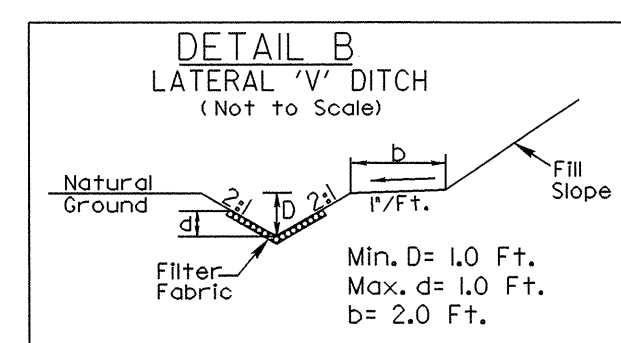
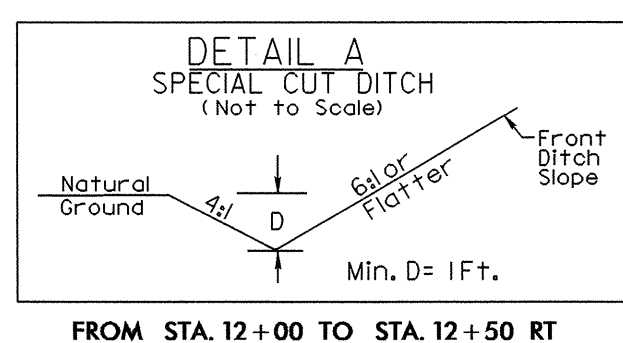
PREPARED IN THE OFFICE OF:
**DIVISION OF HIGHWAYS
UTILITIES ENGINEERING
SECTION**

1555 MAIL SERVICES CENTER
RALEIGH, NC 27699-1555
PHONE (919) 250-4128
FAX (919) 250-4119

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

UTILITIES BY OTHERS

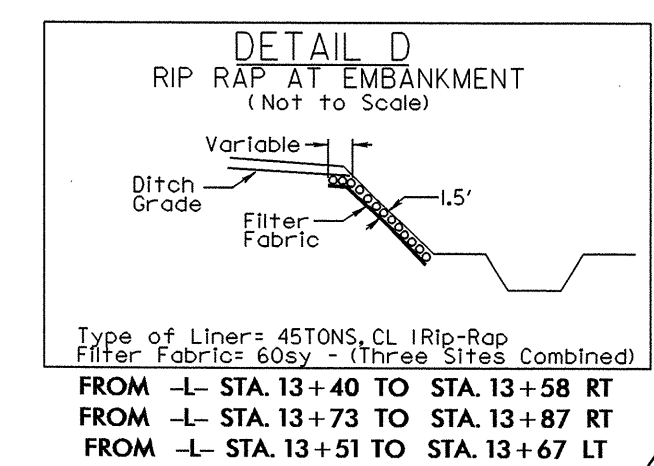
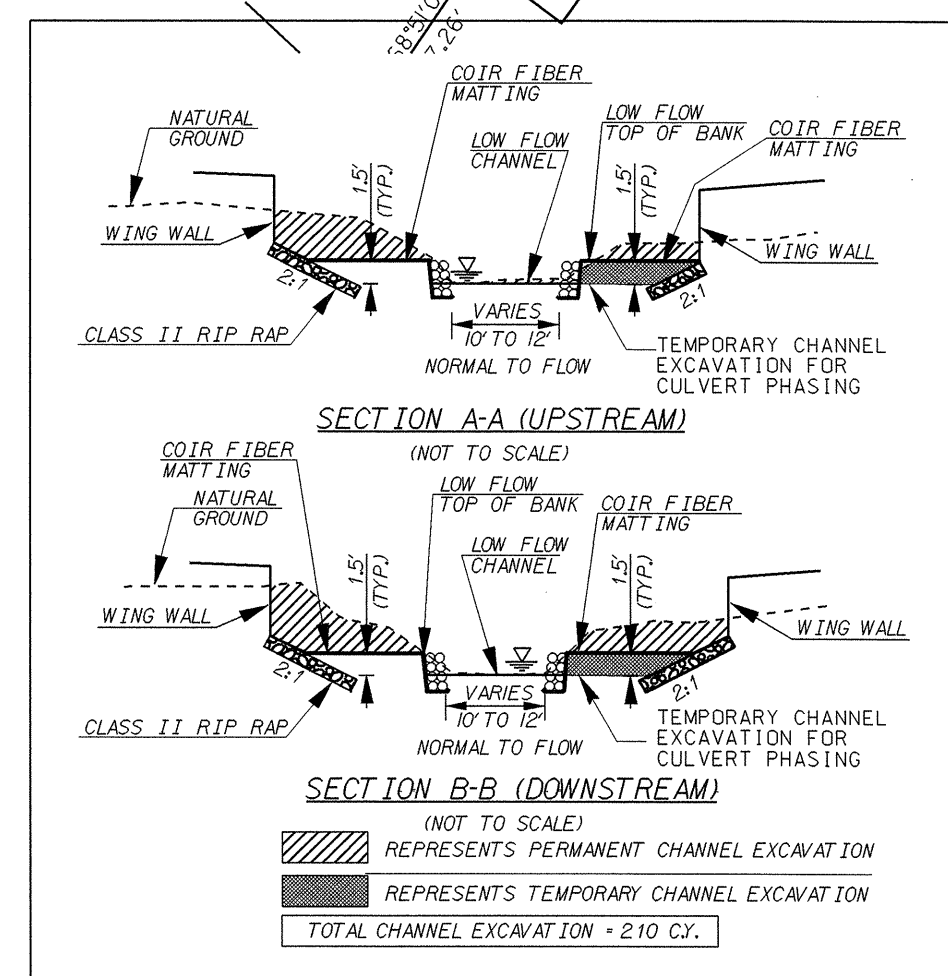
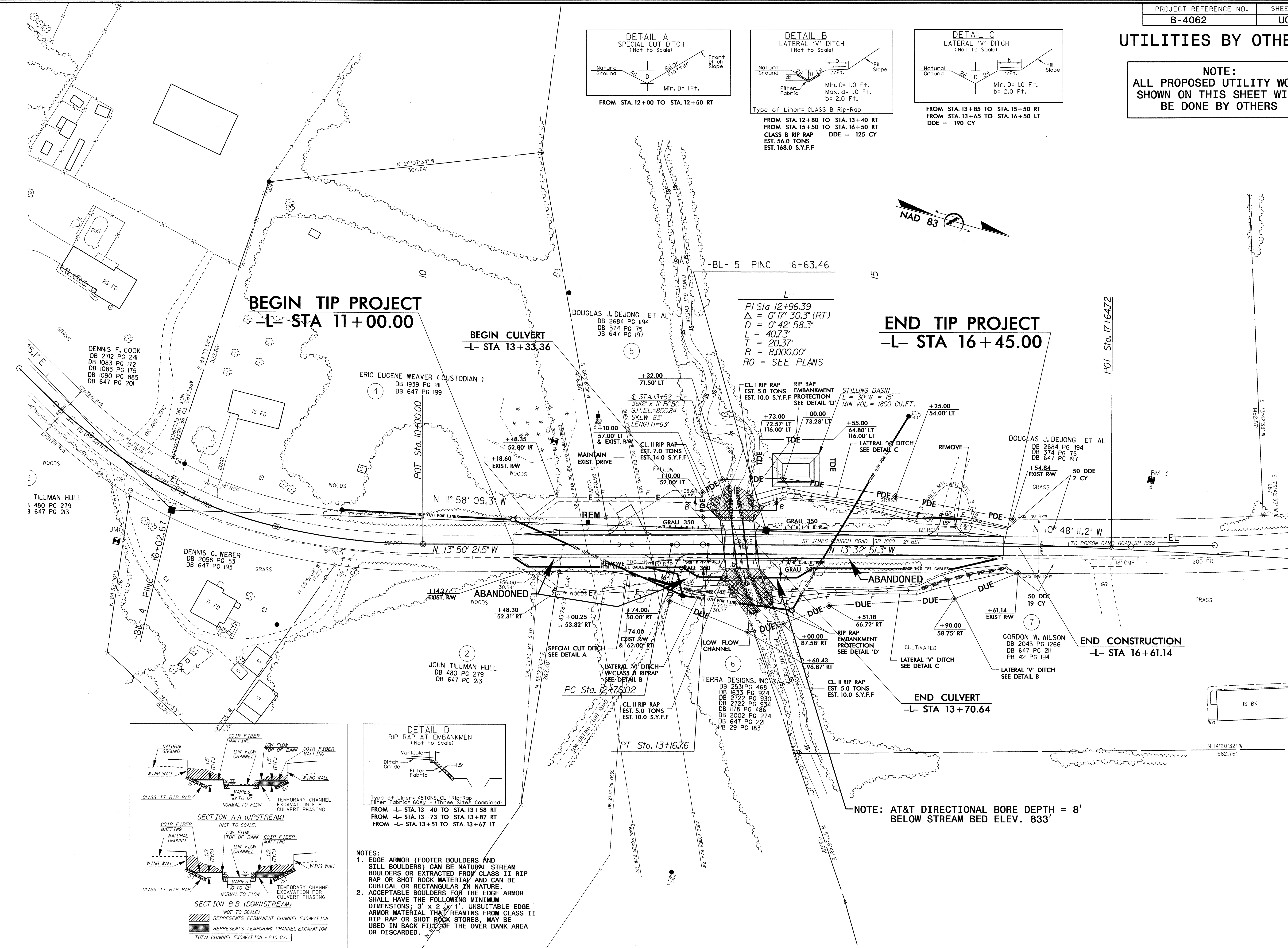
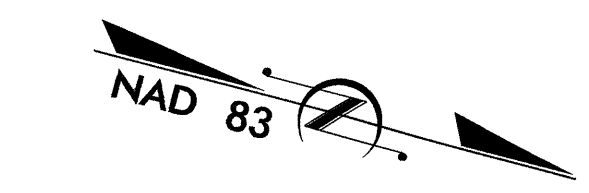
NOTE:
ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS



FROM STA. 12+00 TO STA. 12+50 RT

FROM STA. 12+80 TO STA. 13+40 RT
FROM STA. 15+50 TO STA. 16+50 RT
CLASS B RIP RAP DDE = 125 CY
EST. 56.0 TONS
EST. 168.0 S.Y.F.F

FROM STA. 13+85 TO STA. 15+50 RT
FROM STA. 13+65 TO STA. 16+50 RT
DDE = 190 CY



NOTES:
1. EDGE ARMOR (FOOTER BOULDERS AND SILL BOULDERS) CAN BE NATURAL STREAM BOULDERS OR EXTRACTED FROM CLASS II RIP RAP OR SHOT ROCK MATERIAL AND CAN BE CUBICAL OR RECTANGULAR IN NATURE.
2. ACCEPTABLE BOULDERS FOR THE EDGE ARMOR SHALL HAVE THE FOLLOWING MINIMUM DIMENSIONS; 3' x 2' x 1'. UNSUITABLE EDGE ARMOR MATERIAL THAT REMAINS FROM CLASS II RIP RAP OR SHOT ROCK STORES, MAY BE USED IN BACK FILL OF THE OVER BANK AREA OR DISCARDED.

NOTE: AT&T DIRECTIONAL BORE DEPTH = 8' BELOW STREAM BED ELEV. 833'

5/14/99
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