

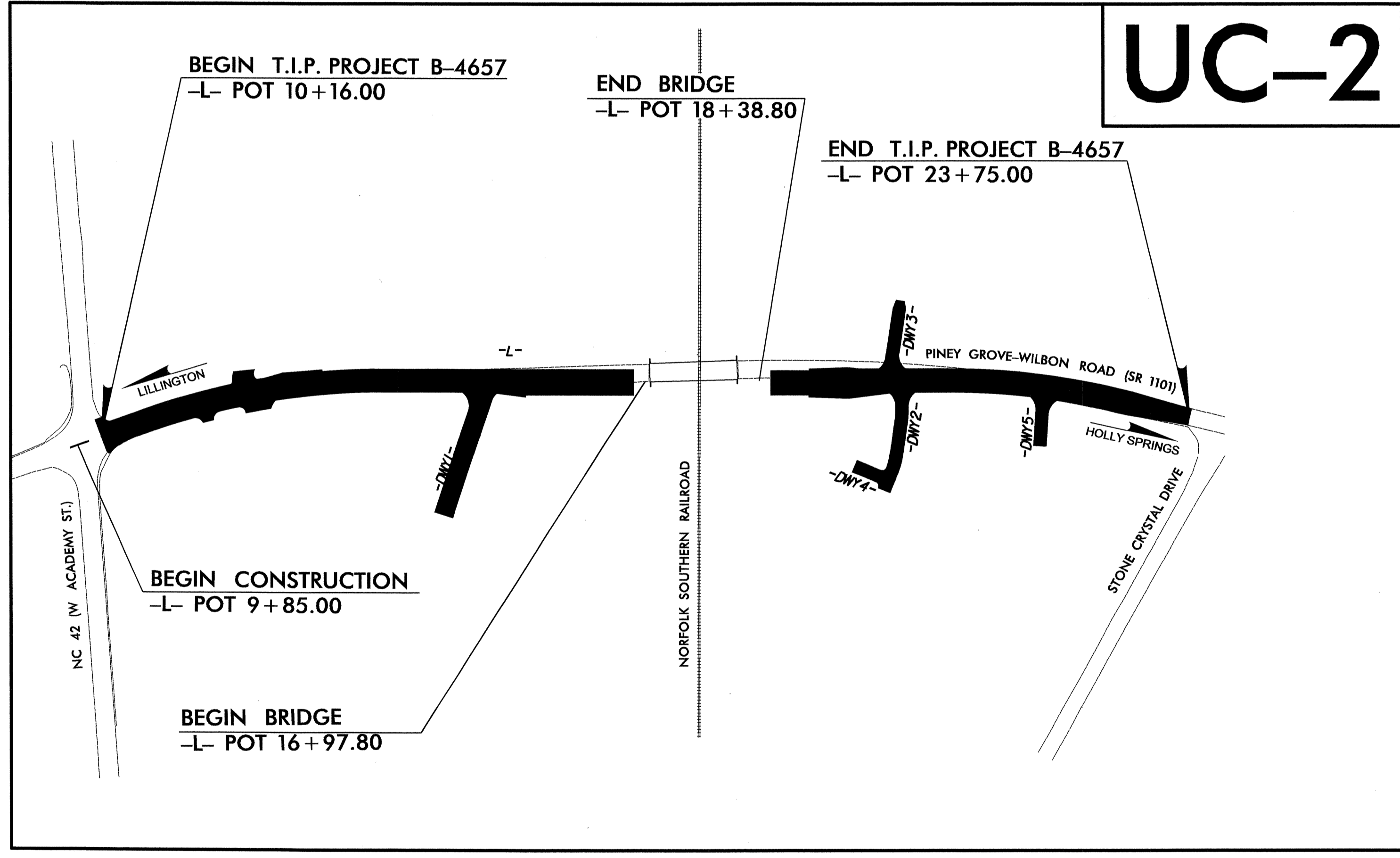
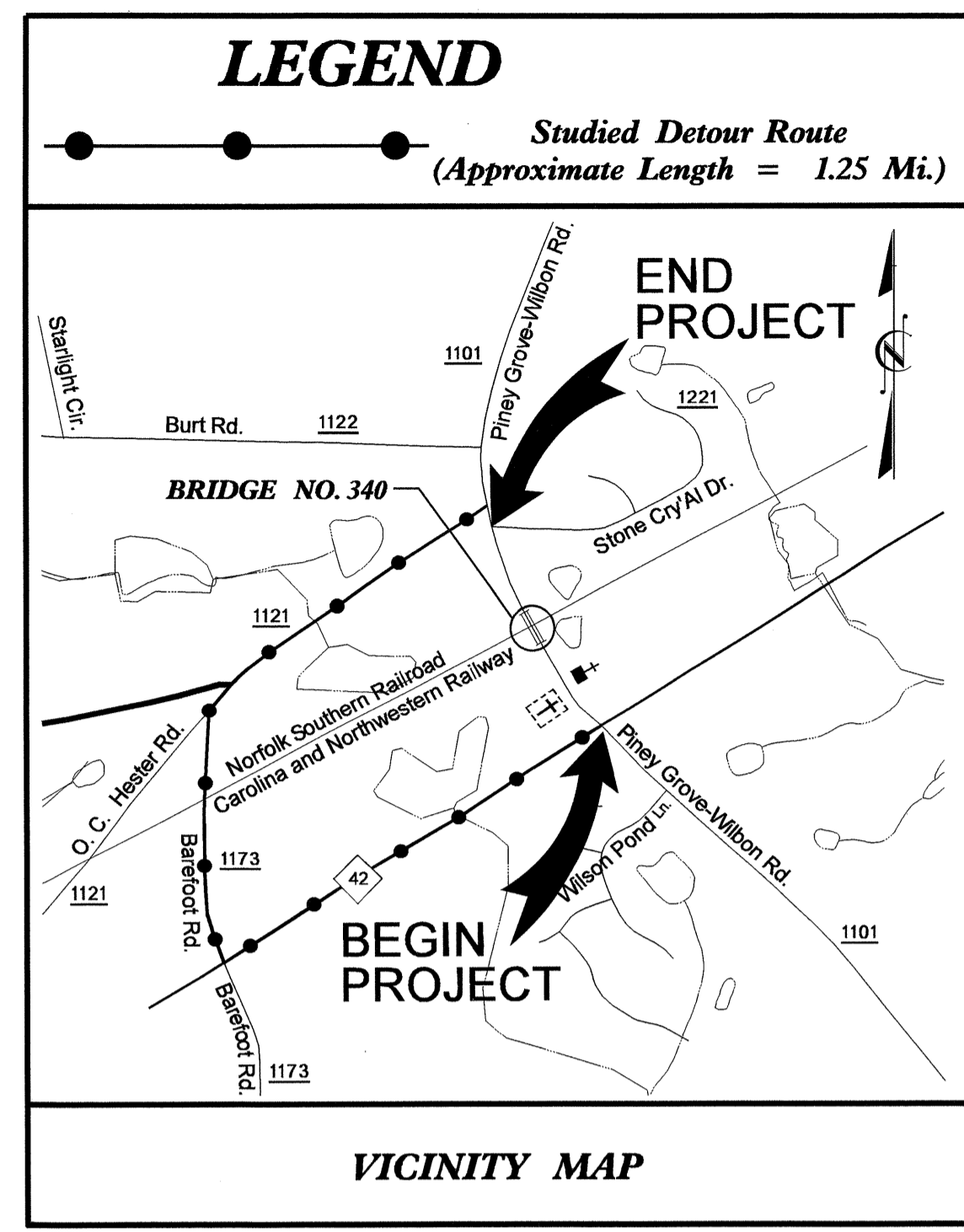
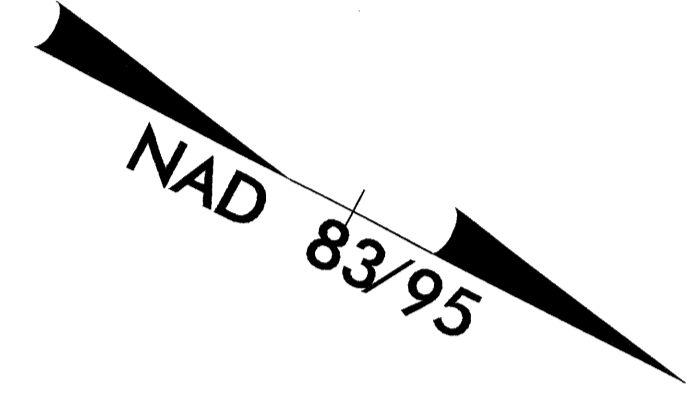
T.I.P. NO.	SHEET NO.
B-4657	UC-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

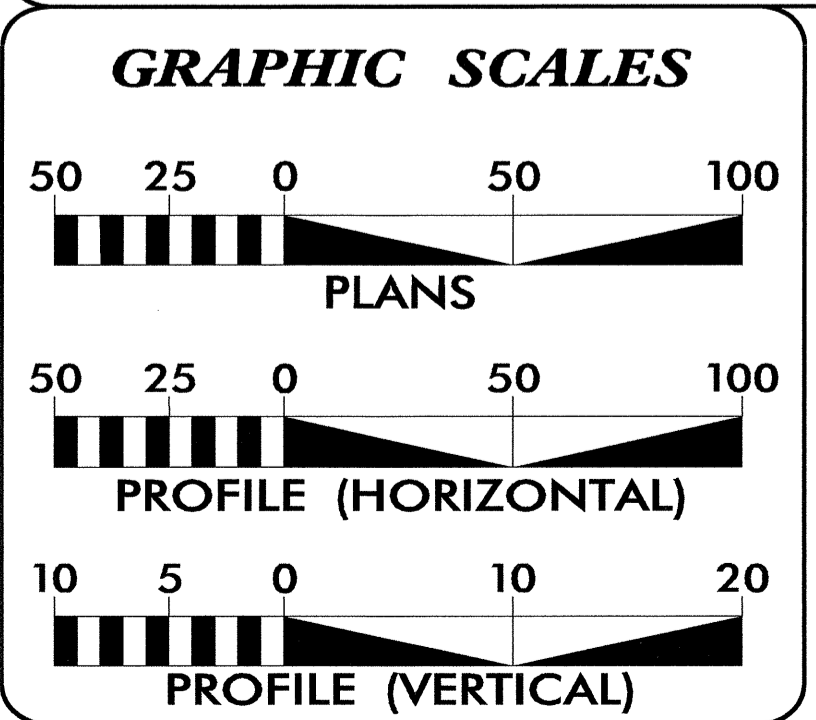
**UTILITY CONSTRUCTION PLANS
WAKE COUNTY**

**LOCATION: BRIDGE NO. 340 OVER NORFOLK/SOUTHERN RAIL-
ROAD ON SR 1101 (PINEY GROVE-WILBON ROAD)**

TYPE OF WORK: UTILITIES



TIP B-4657

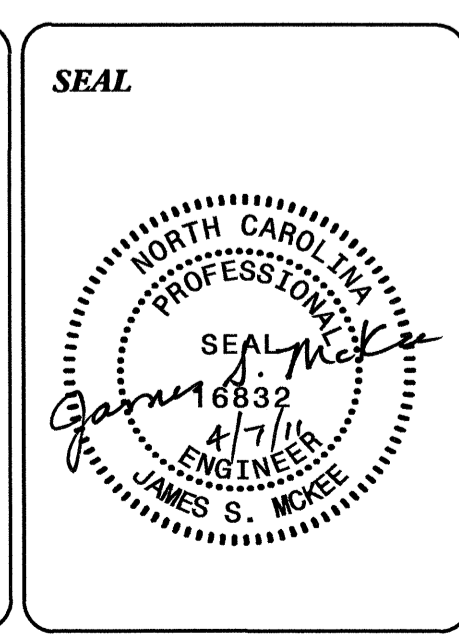


INDEX OF SHEETS

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

WATER OWNER ON PROJECT

(1) WATER - HARNETT COUNTY PUBLIC UTILITIES DEPARTMENT



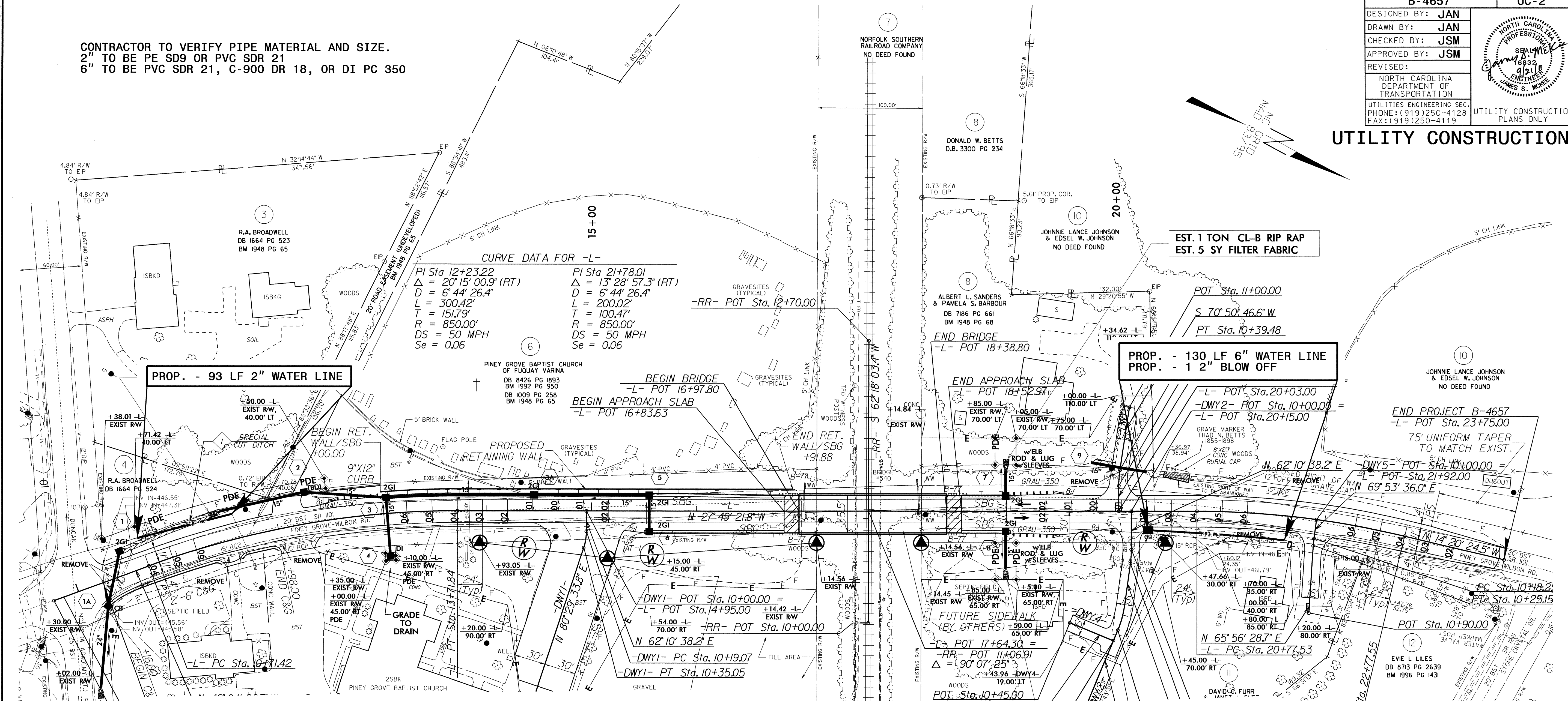
PREPARED IN THE OFFICE OF:
**DIVISION OF HIGHWAYS
UTILITIES UNIT
ENGINEERING SECTION**

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

Roger Worthington, P.E. UTILITIES SECTION ENGINEER
Steve McKee, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
John A. Nigro P.E. UTILITIES PROJECT DESIGNER

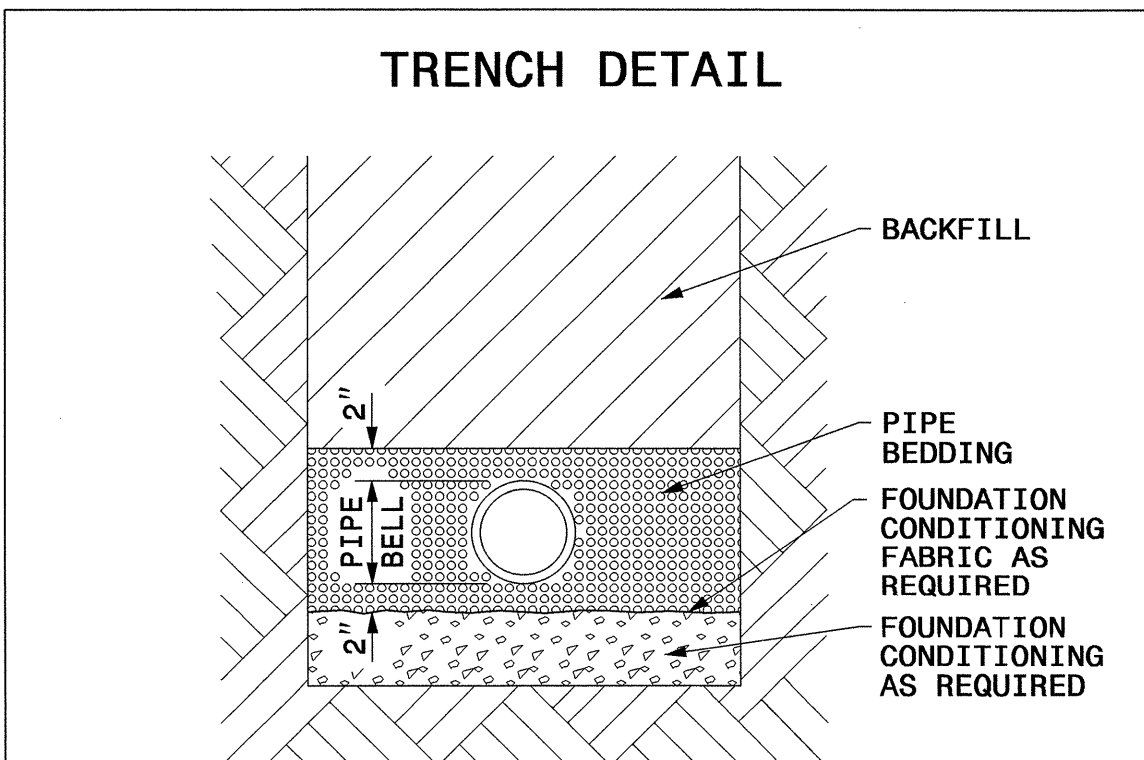
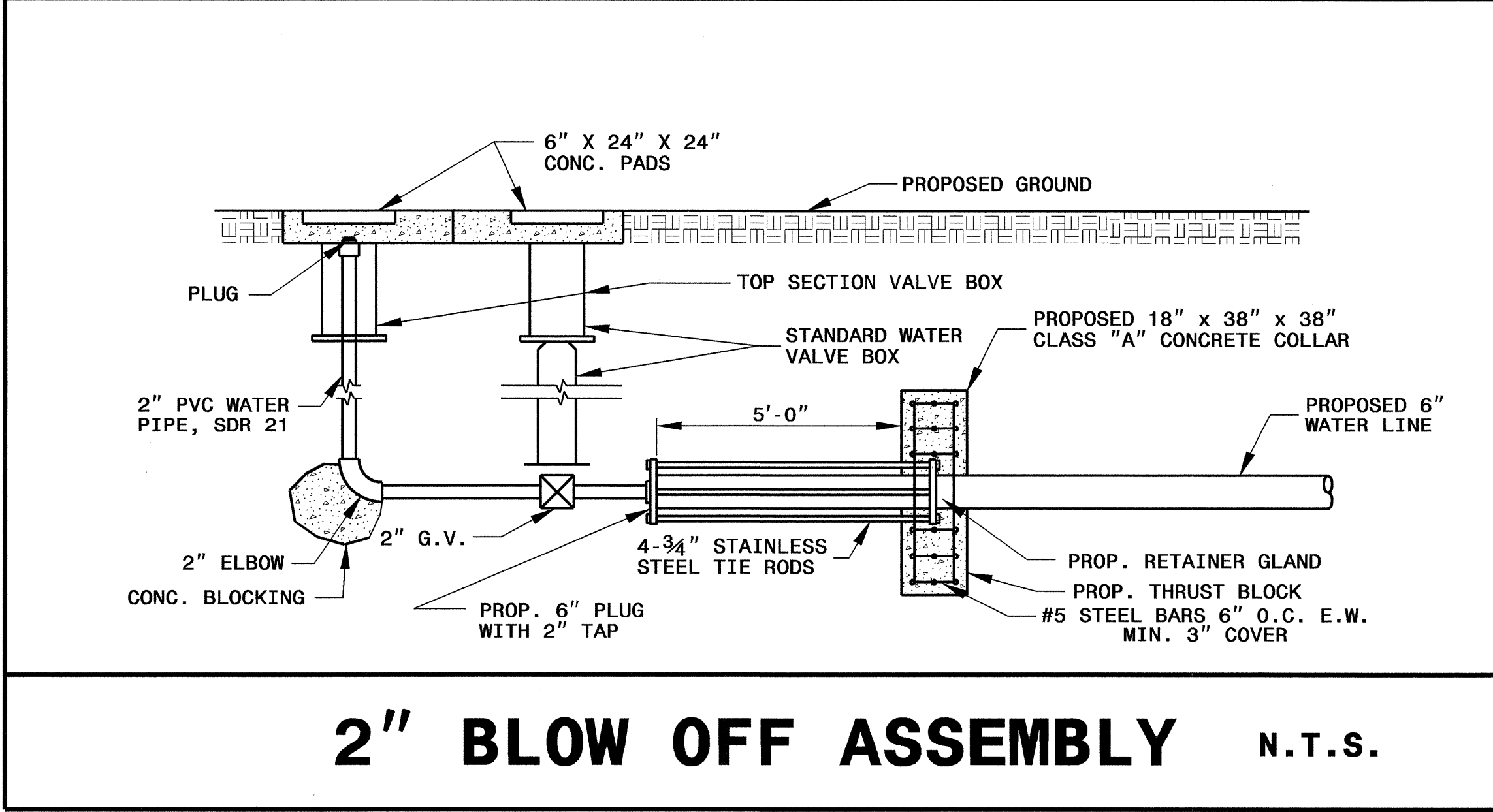
UTILITY CONSTRUCTION

CONTRACTOR TO VERIFY PIPE MATERIAL AND SIZE.
 2" TO BE PE SD9 OR PVC SDR 21
 6" TO BE PVC SDR 21, C-900 DR 18, OR DI PC 350



CURVE DATA FOR -L-

PI Sta 12+23.22	PI Sta 21+78.01
$\Delta = 20^\circ 15' 00.9''$ (RT)	$\Delta = 13^\circ 28' 57.3''$ (RT)
D = 6' 44" 26.4"	D = 6' 44" 26.4"
L = 300.42'	L = 200.02'
T = 151.79'	T = 100.47'
R = 850.00'	R = 850.00'
DS = 50 MPH	DS = 50 MPH
Se = 0.06	Se = 0.06



PLACE FOUNDATION CONDITIONING MATERIAL BELOW BEDDING IF REQUIRED, AS DIRECTED BY ENGINEER. PIPE BEDDED IN SELECT MATERIAL, CLASS II (TYPE 1) OR CLASS III. 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 APPROXIMATELY 95% DENSITY IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY THE DEPARTMENT OF TRANSPORTATION.

CURVE DATA FOR -D-

PI Sta 10+43.16	PI Sta 11+
$\Delta = 7^\circ 45' 33.9''$ (RT)	$\Delta = 14^\circ$
D = 57' 17" 44.8"	D = 57'
L = 13.54'	L = 25.8'
T = 6.78'	T = 12.9'
R = 100.00'	R = 100.

20-SEP-2011 14:33 R:\utilities\projects\B4657\UTL_UC2_psh.dgn
 5/14/99

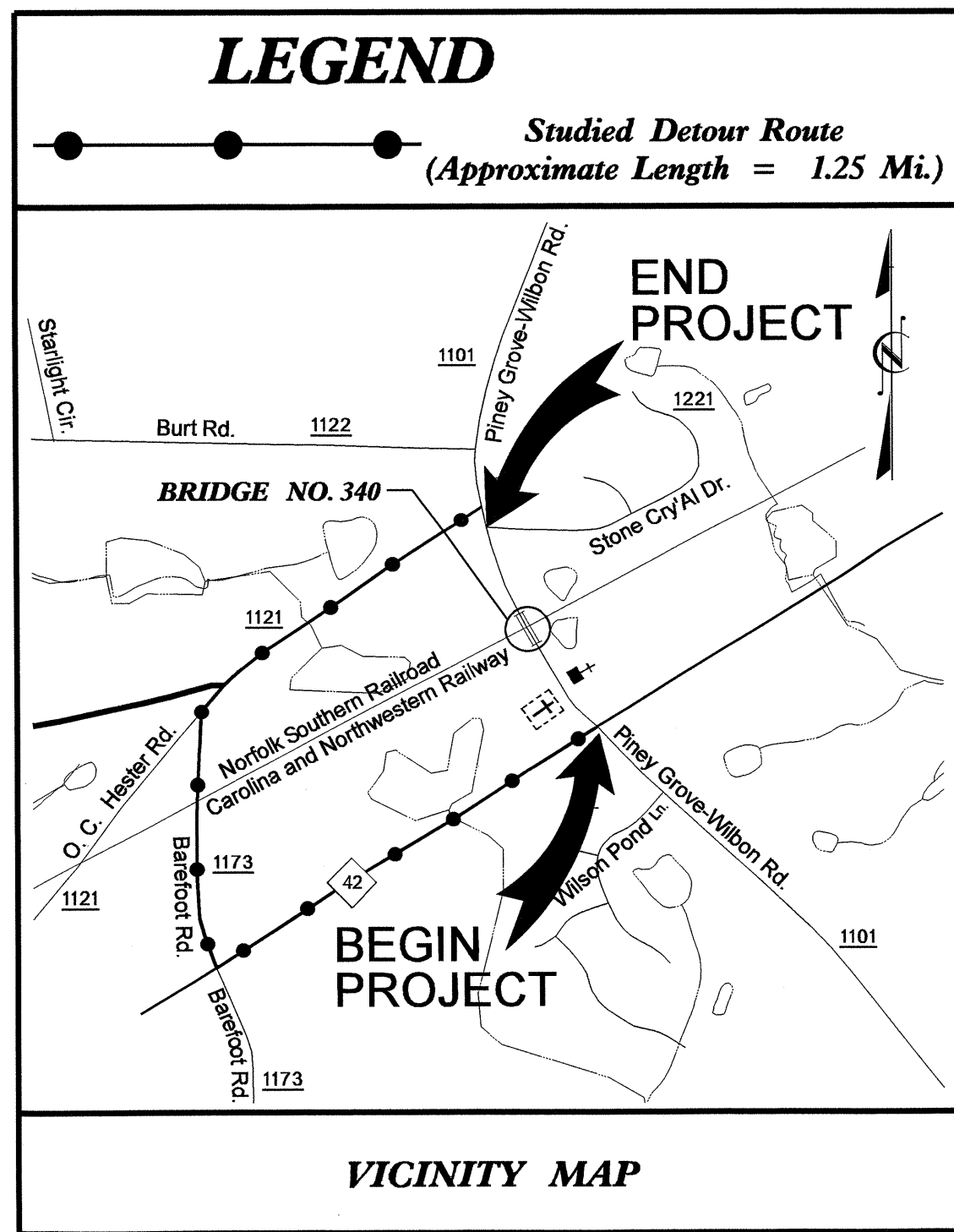
09/08/99

07-APR-2011 6:17
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TIP PROJECT: B-4657

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

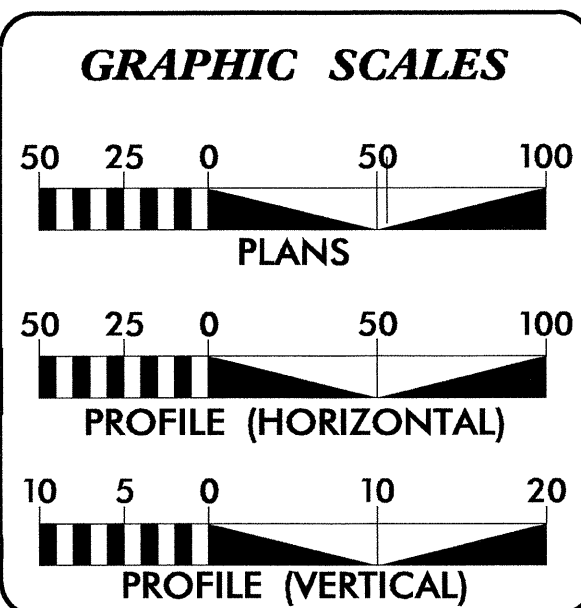
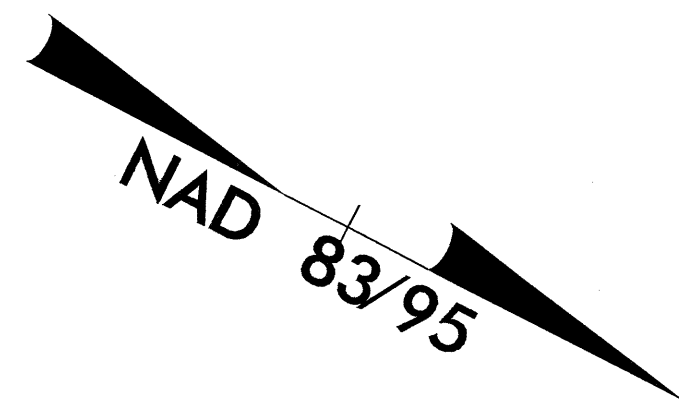
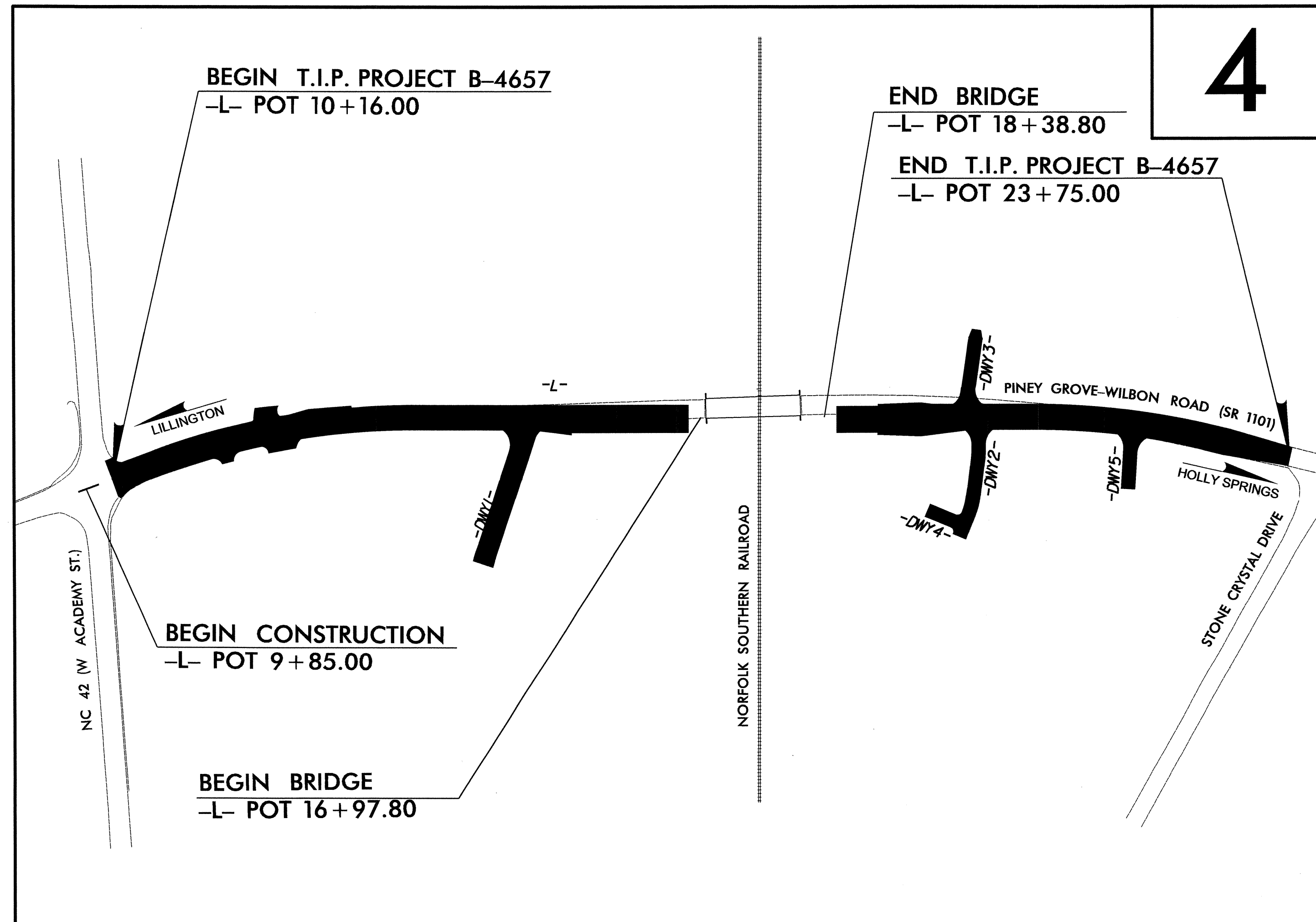
T.I.P. NO.	SHEET NO.
B-4657	UO-1



UTILITIES BY OTHERS PLANS WAKE COUNTY

LOCATION: BRIDGE NO. 340 OVER NORFOLK/SOUTHERN RAILROAD
ON SR 1101 (PINEY GROVE-WILBON ROAD)

TYPE OF WORK: UTILITY RELOCATIONS



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

UTILITY OWNERS ON PROJECT
(1) PROGRESS ENERGY
(2) EMBARQ
(3) TIME WARNER CABLE

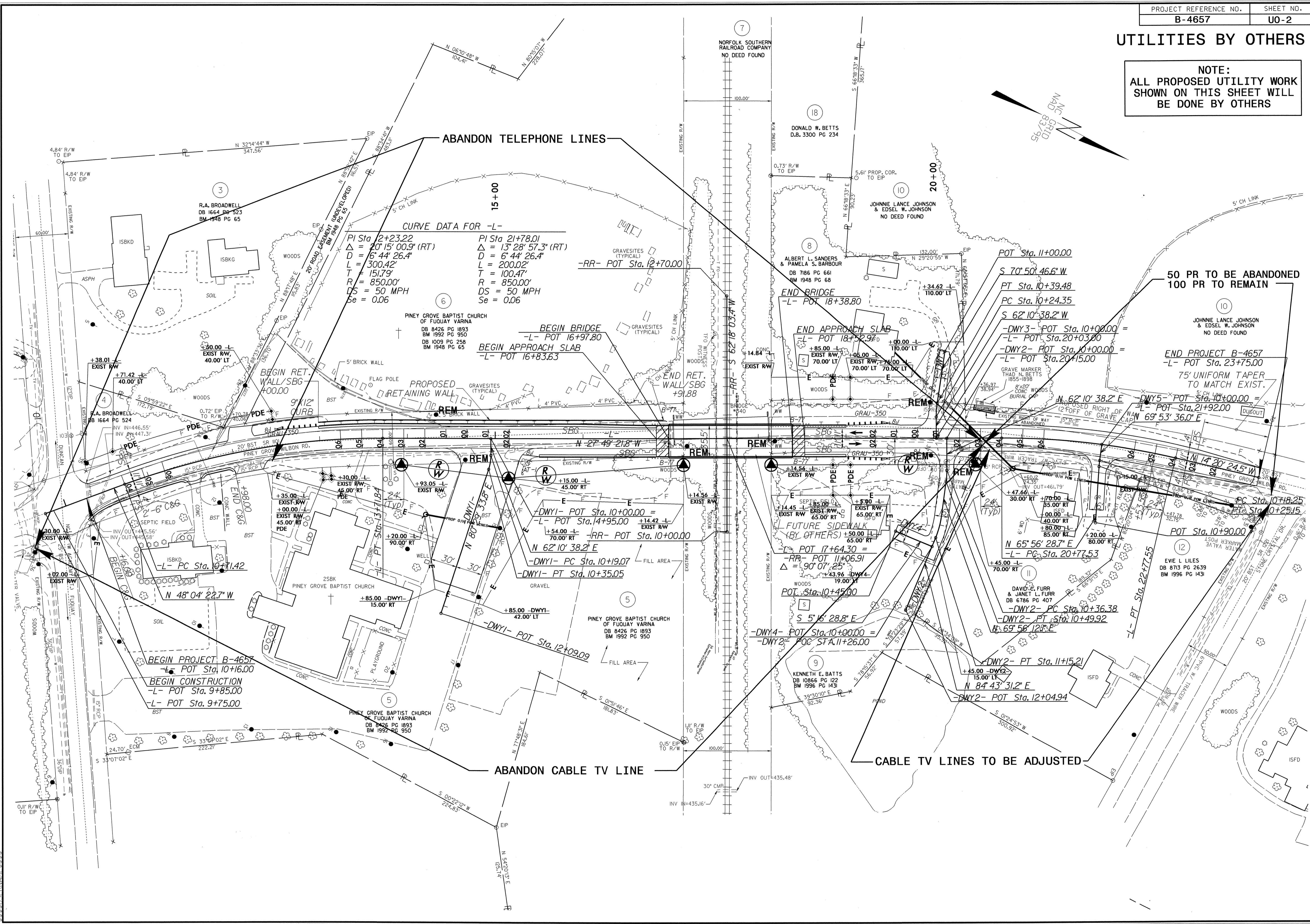
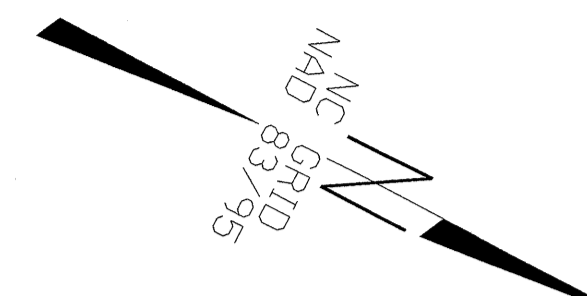
PREPARED IN THE OFFICE OF:
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John A. Nigro, P.E. UTILITIES PROJECT DESIGNER

UTILITIES BY OTHERS

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



CURVE DATA FOR -L-

PI Sta 2+23.22	PI Sta 21+78.01
$\Delta = 20^{\circ} 15' 00.9''$ (RT)	$\Delta = 13^{\circ} 28' 57.3''$ (RT)
$D = 6' 44' 26.4''$	$D = 6' 44' 26.4''$
$L = 300.42'$	$L = 200.02'$
$T = 151.79'$	$T = 100.47'$
$R = 850.00'$	$R = 850.00'$
$DS = 50$ MPH	$DS = 50$ MPH
$Se = 0.06$	$Se = 0.06$

BEGIN PROJECT B-4657
 -L- POT Sta. 10+16.00
 BEGIN CONSTRUCTION
 -L- POT Sta. 9+85.00
 -L- POT Sta. 9+75.00

50 PR TO BE ABANDONED
 100 PR TO REMAIN

END PROJECT B-4657
 -L- POT Sta. 23+75.00
 75' UNIFORM TAPER
 TO MATCH EXIST.

CABLE TV LINES TO BE ADJUSTED

ABANDON CABLE TV LINE

ABANDON TELEPHONE LINES

5/14/99
 07-APR-2011 13:58
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