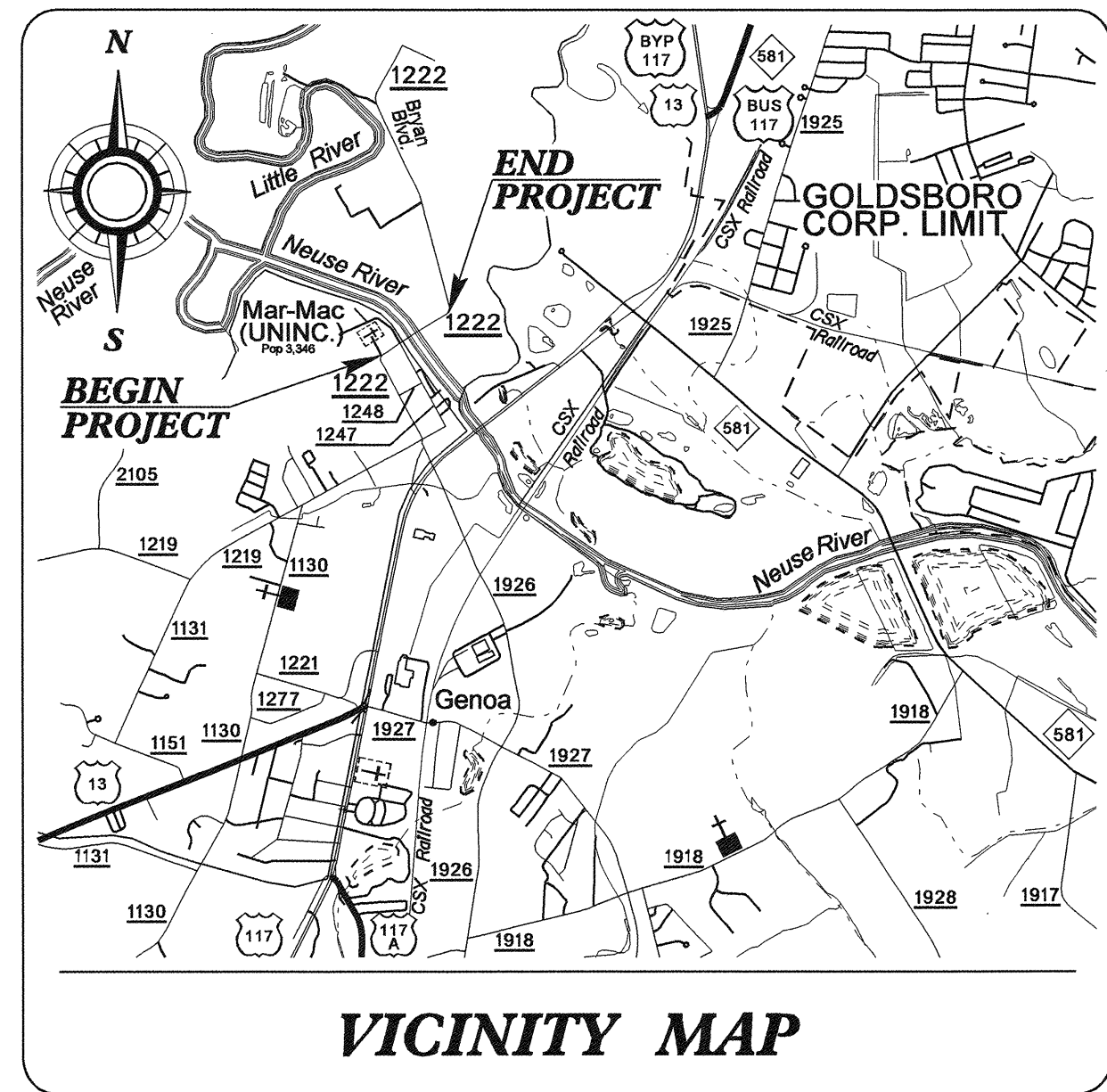


T.I.P. NO.	SHEET NO.
B-3538	UC-1

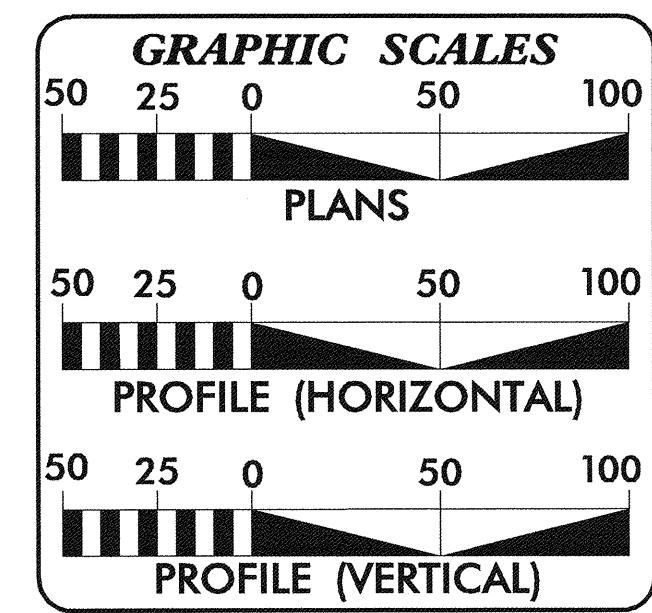
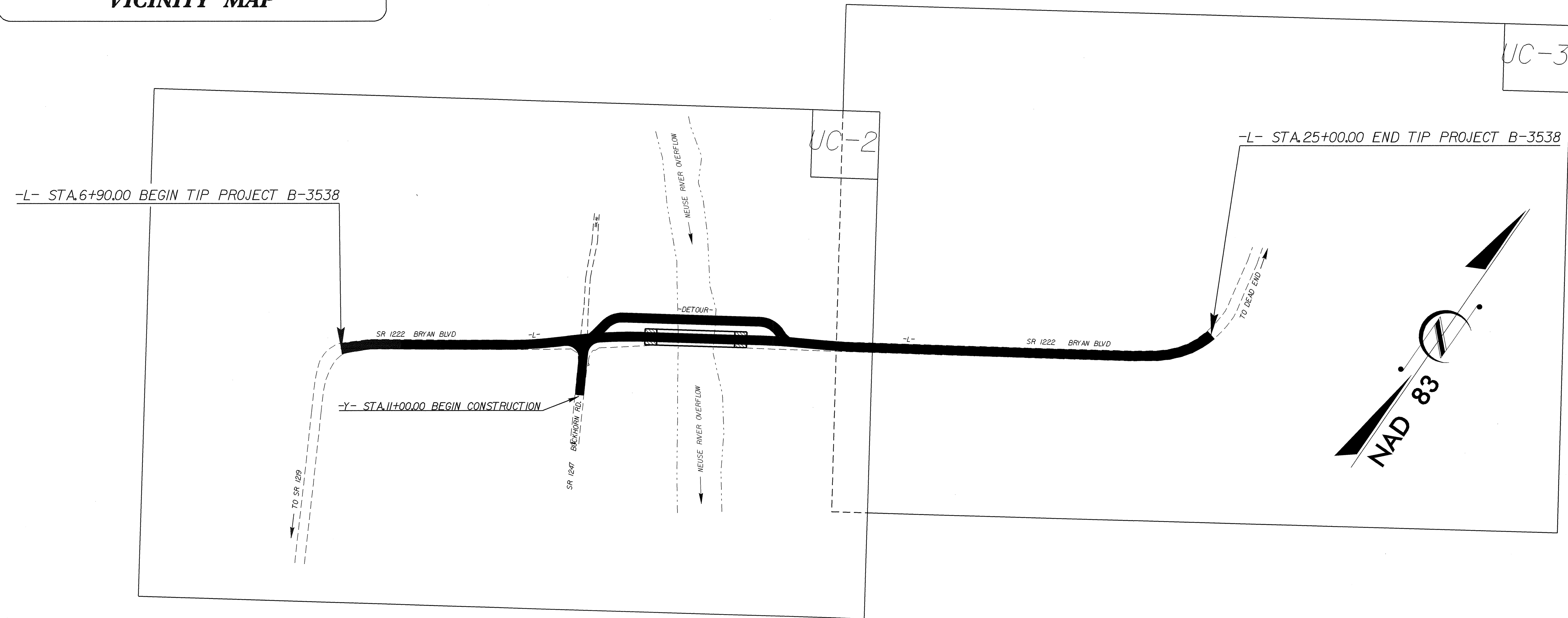
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

**UTILITY CONSTRUCTION PLANS
WAYNE COUNTY**

LOCATION: BRIDGE 296 OVER NEUSE RIVER OVERFLOW ON SR 1222
TYPE OF WORK: UTILITY RELOCATION

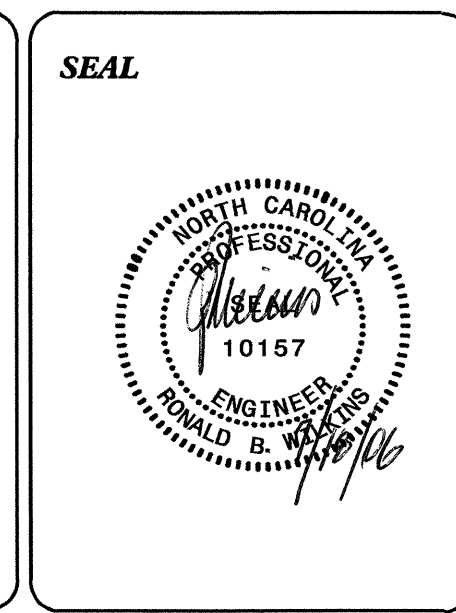


TIP PROJECT: B-3538



INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
UC-1	TITLE SHEET
UC-2 THRU UC-3	UTILITY CONSTRUCTION PLAN SHEETS

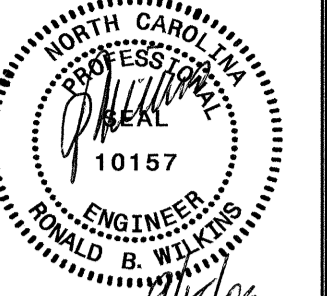
WATER AND SEWER OWNERS ON PROJECT
(1) WATER-SOUTHERN WAYNE SANITARY DISTRICT



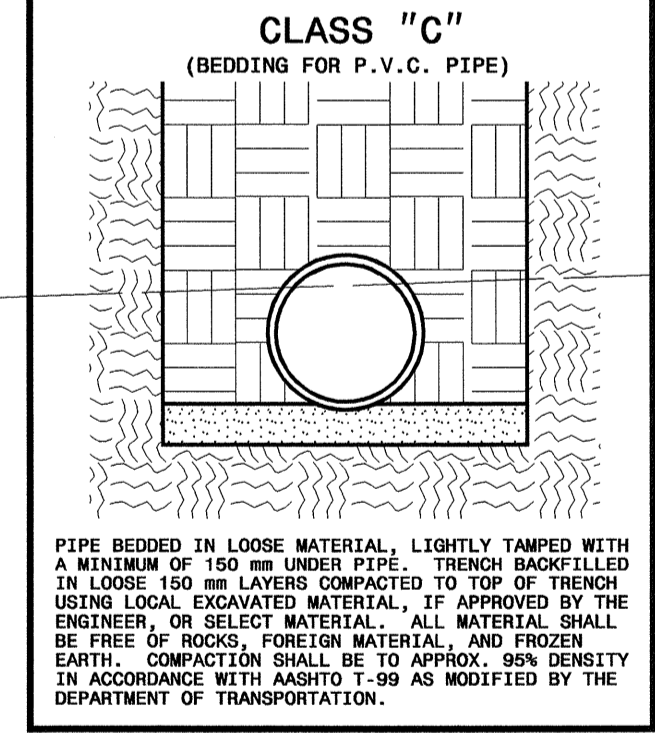
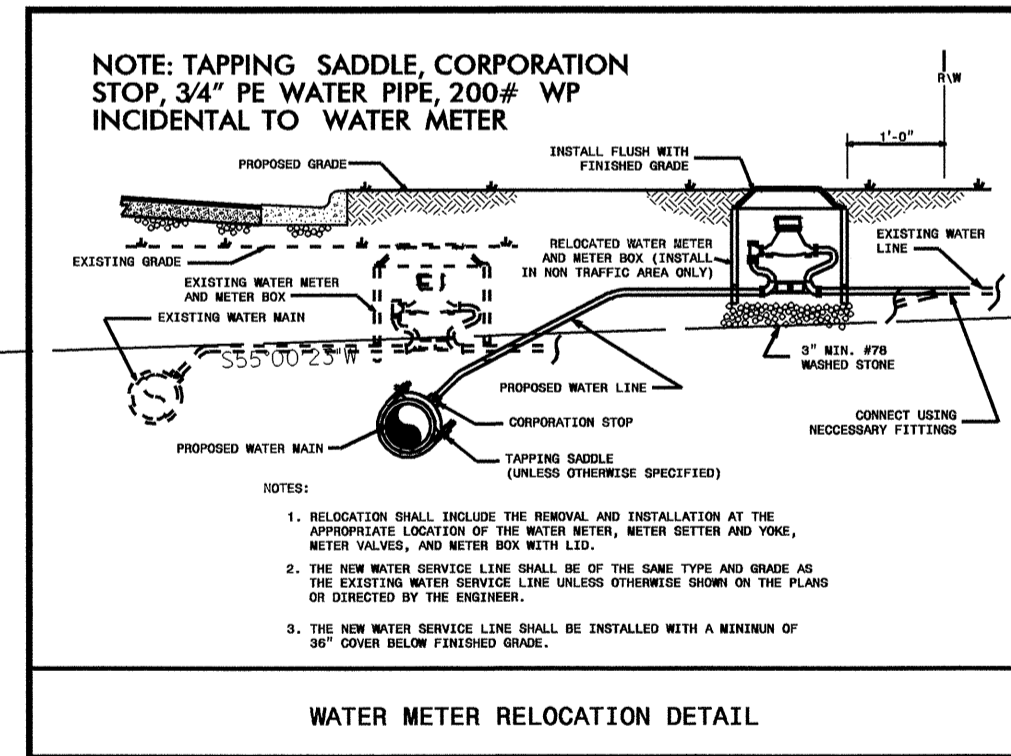
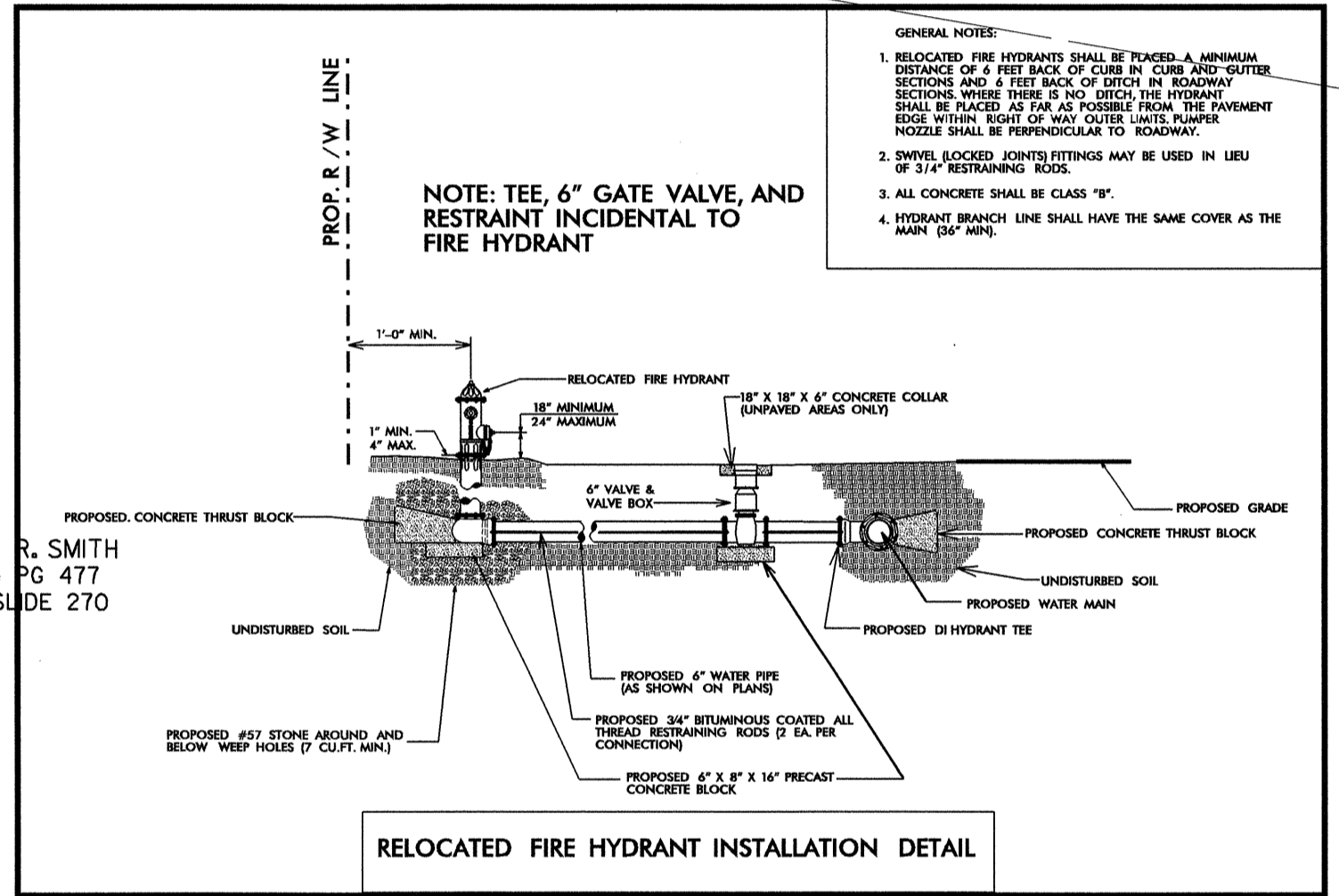
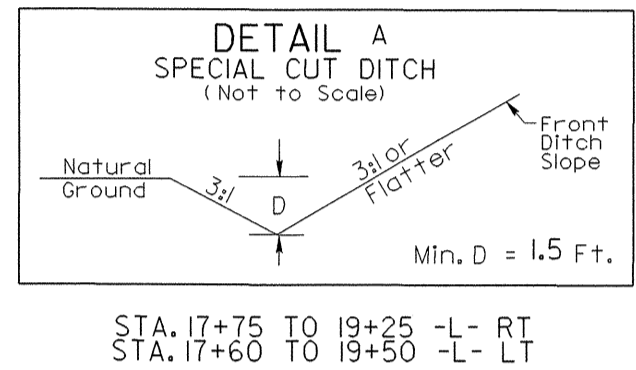
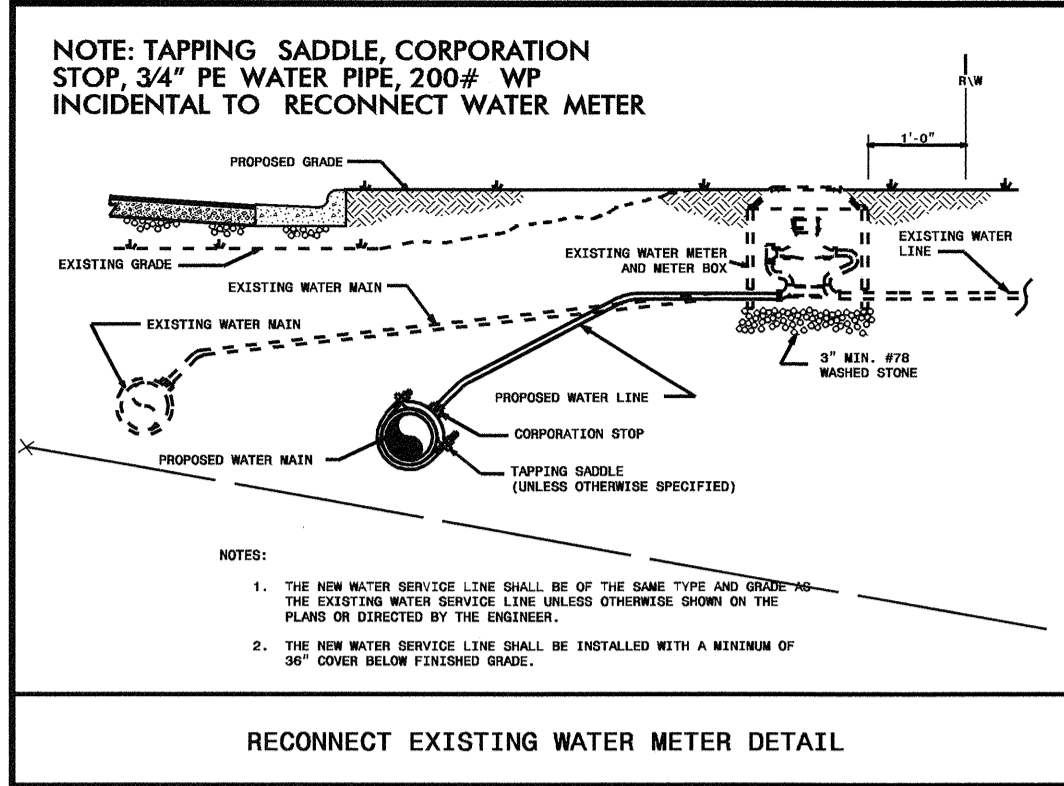
PREPARED IN THE OFFICE OF:
**DIVISION OF HIGHWAYS
PROJECT SERVICES
UTILITY SECTION**
1591 MAIL SERVICES CENTER
RALEIGH NC 27699-1591
PHONE (919) 250-4128
FAX (919) 250-4119

Roger Worthington, P.E. UTILITIES SECTION ENGINEER
R. B. WILKINS, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
MICHAEL R. BRIGHT UTILITIES PROJECT DESIGNER

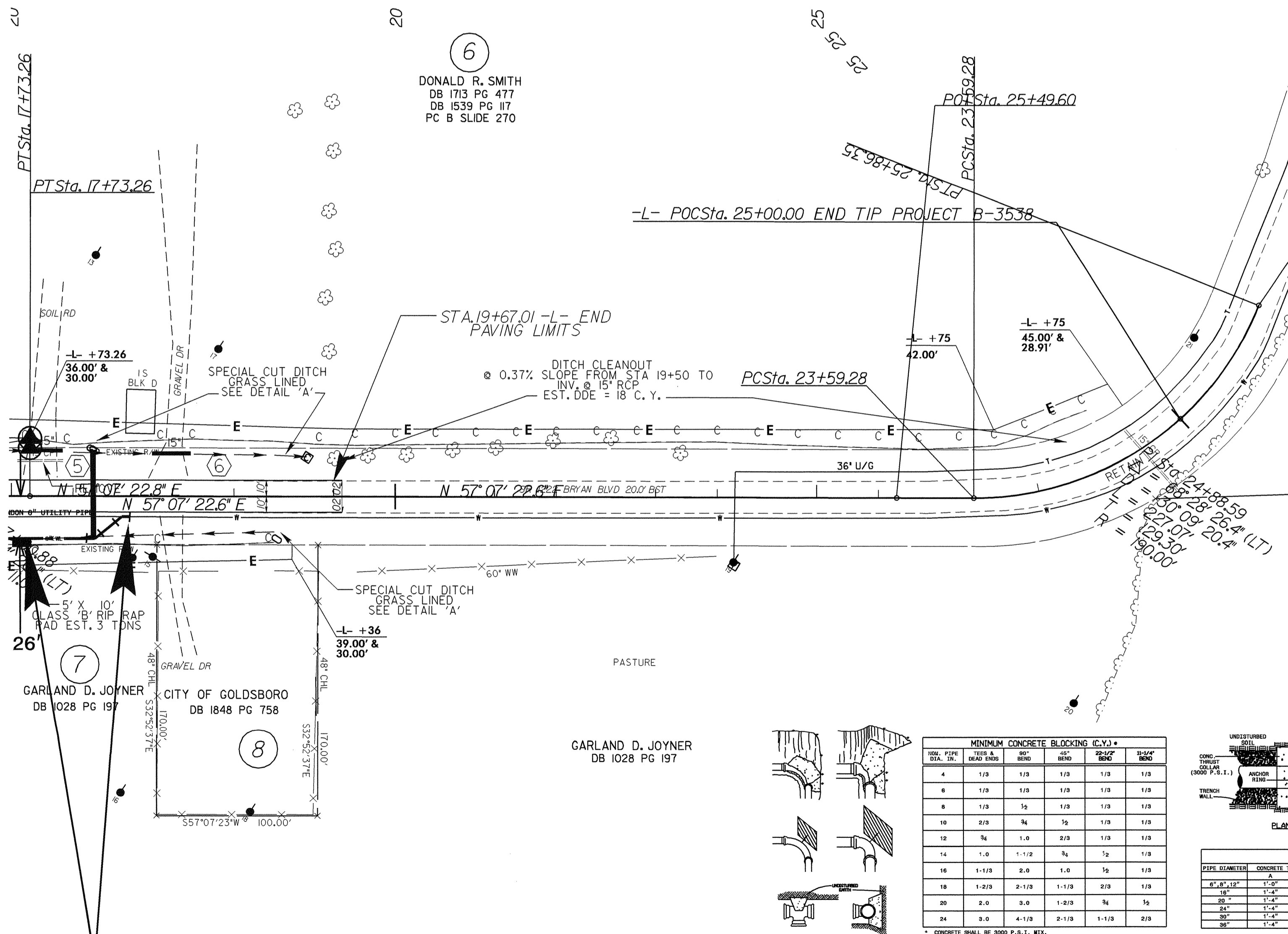
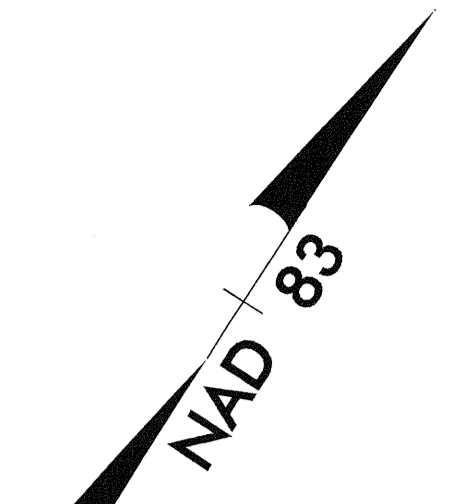
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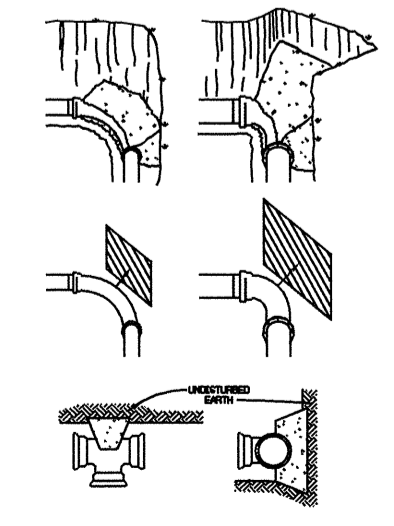
UTILITY CONSTRUCTION



5/14/09



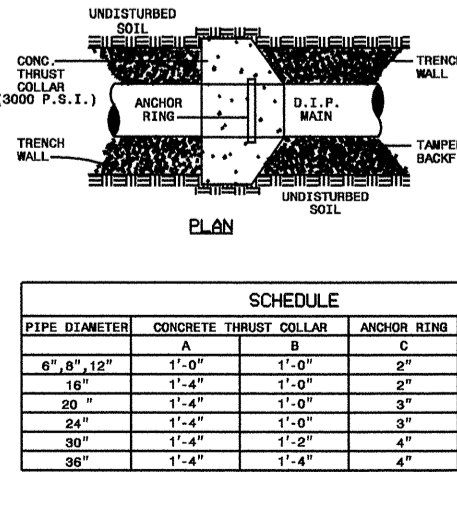
**PROP. 76' - 6" WATER LINE
 PROP. 2 - RECONNECT WATER METERS**



MINIMUM CONCRETE BLOCKING (C.Y.)*

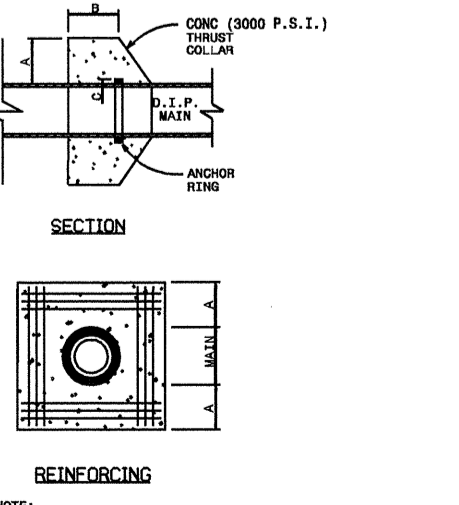
PIPE DIA. (IN.)	TRENCH WIDTH (IN.)	180° BEND	90° BEND	45° BEND	135° BEND
4	1/3	1/3	1/3	1/3	1/3
6	1/3	1/3	1/3	1/3	1/3
8	1/3	1/3	1/3	1/3	1/3
10	2/3	1/2	1/2	1/2	1/2
12	1	1	1	1	1
14	1	1-1/2	1	1	1
16	1-1/3	2	1	1	1
18	1-2/3	2-1/3	1-1/3	2/3	1/3
20	2	3	1-2/3	1	1/2
24	3	4-1/3	2-1/3	1-1/3	2/3

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



SCHEDULE

PIPE DIAMETER	CONCRETE THRUST COLLAR	ANCHOR RINGS (MIN. REQUIRED)
4"	11"	2"
6"	13"	2"
8"	15"	2"
10"	17"	2"
12"	19"	2"
14"	21"	2"
16"	23"	2"
18"	25"	2"



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		

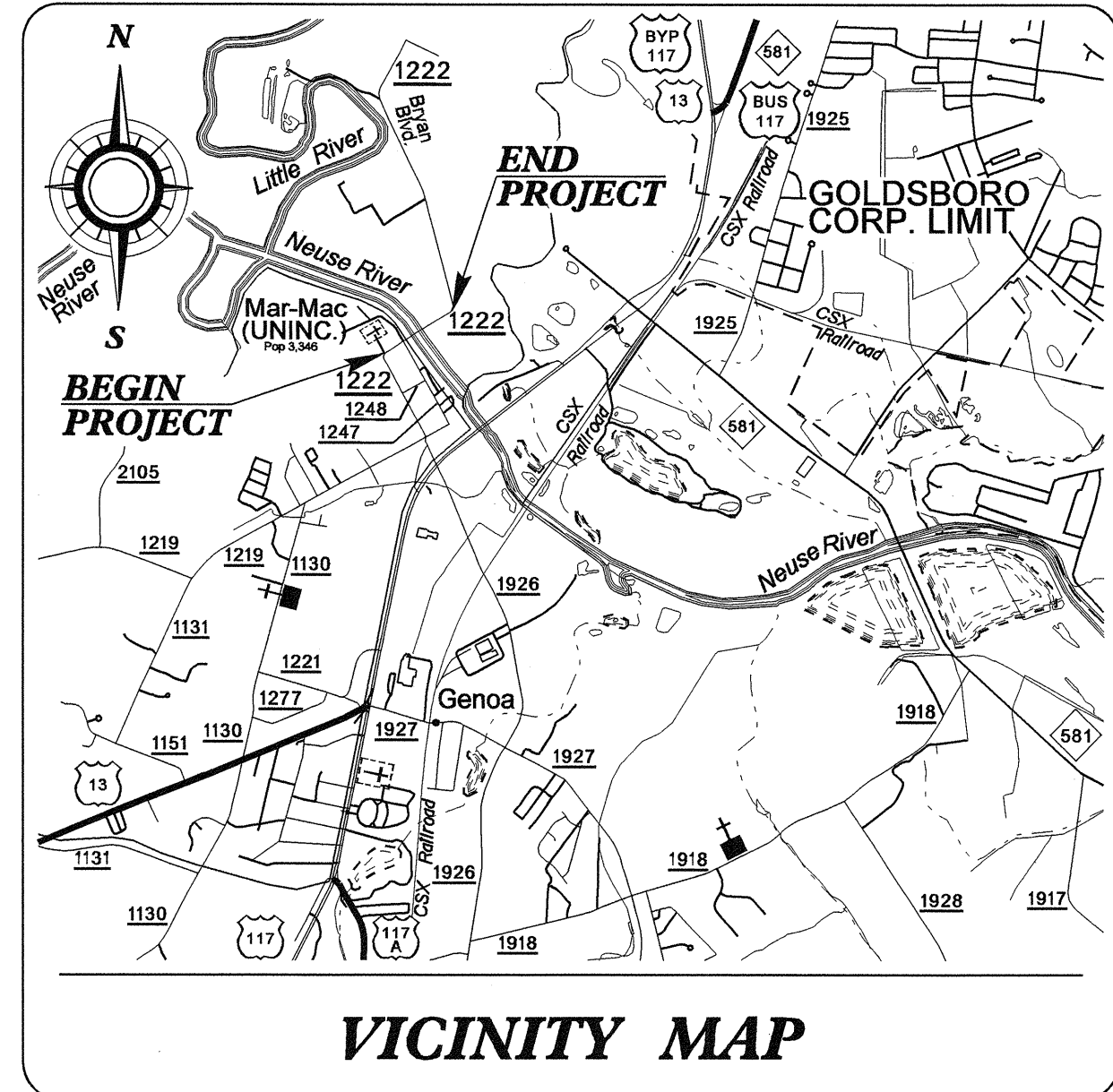
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T.I.P. NO.	SHEET NO.
B-3538	UO-1

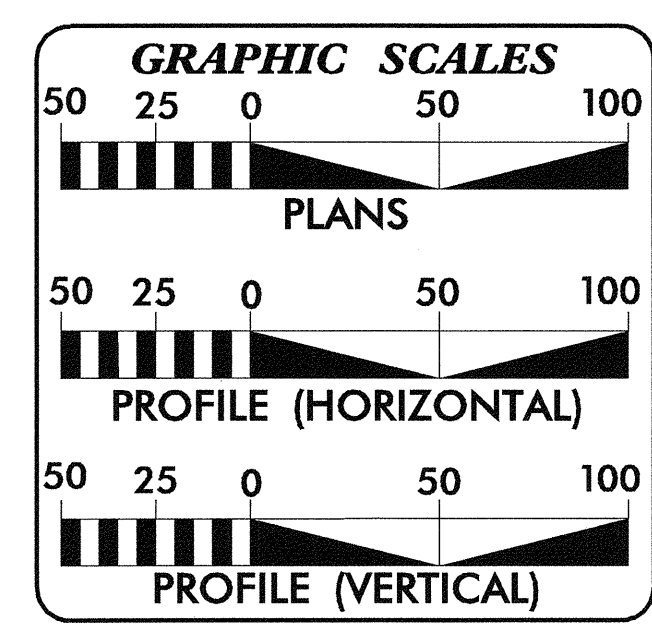
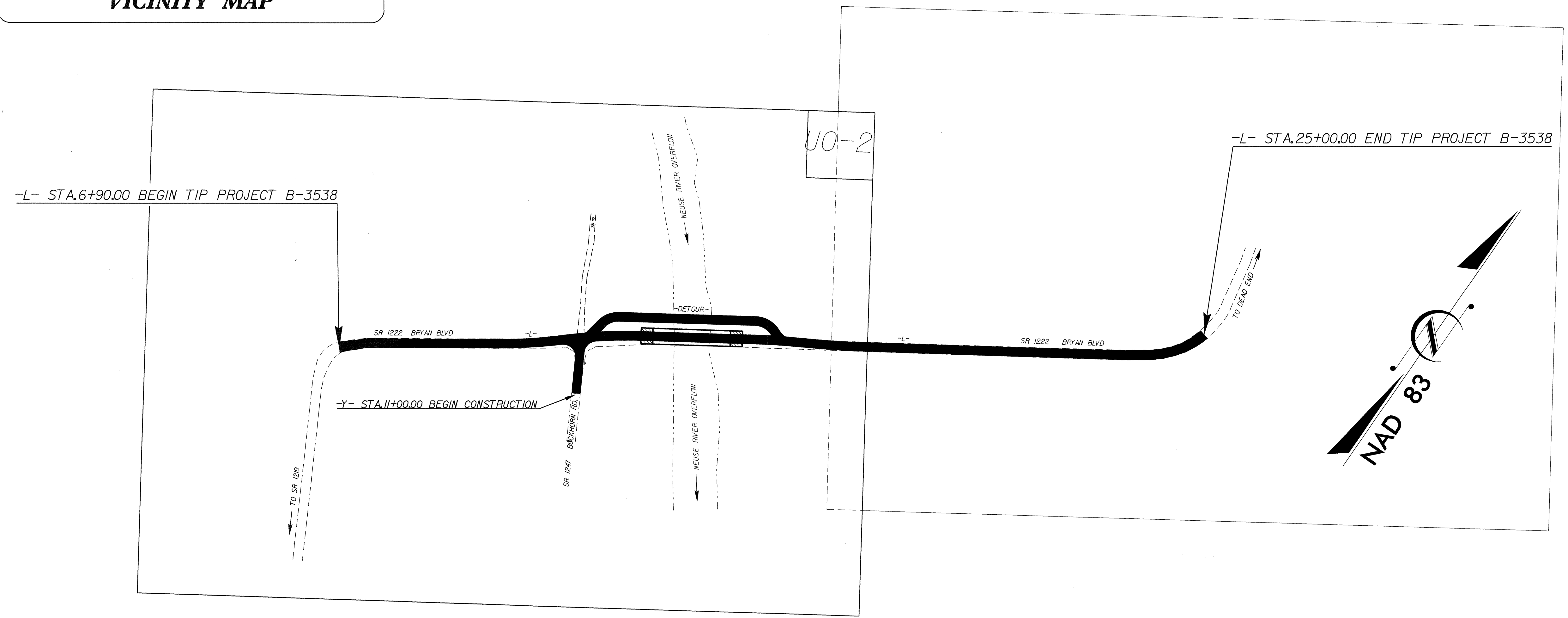
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

UTILITY CONSTRUCTION PLANS
WAYNE COUNTY

LOCATION: BRIDGE 296 OVER NEUSE RIVER OVERFLOW ON SR 1222
TYPE OF WORK: UTILITIES BY OTHERS



CONTRACT: C201478 TIP PROJECT: B-3538




INDEX OF SHEETS

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

UTILITY OWNERS ON PROJECT

- (1) PROGRESS ENERGY - POWER
- (2) BELL SOUTH - TELEPHONE
- (3) TIME WARNER - CATV



PREPARED IN THE OFFICE OF:
DIVISION OF HIGHWAYS
PROJECT SERVICES
UTILITY SECTION

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RALEIGH NC 27699-1591
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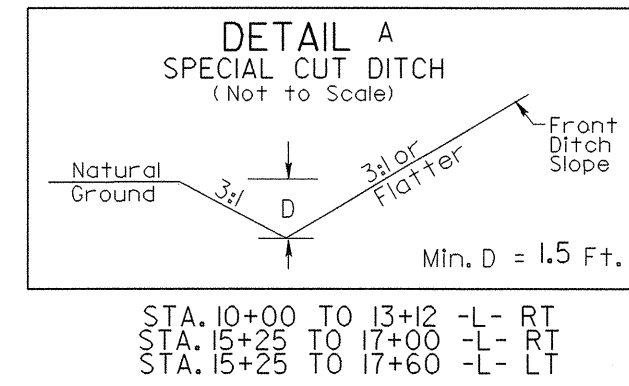
Roger Worthington, P.E. UTILITIES SECTION ENGINEER
R. B. WILKINS, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
MICHAEL R. BRIGHT UTILITIES PROJECT DESIGNER

20-DEC-2006 14:22
r:\utilities\rdy_ut\proj\b3538_uo1_rdy_tsh.dgn
\$\$\$\$\$USERNAME\$\$\$\$\$

UTILITIES BY OTHERS

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

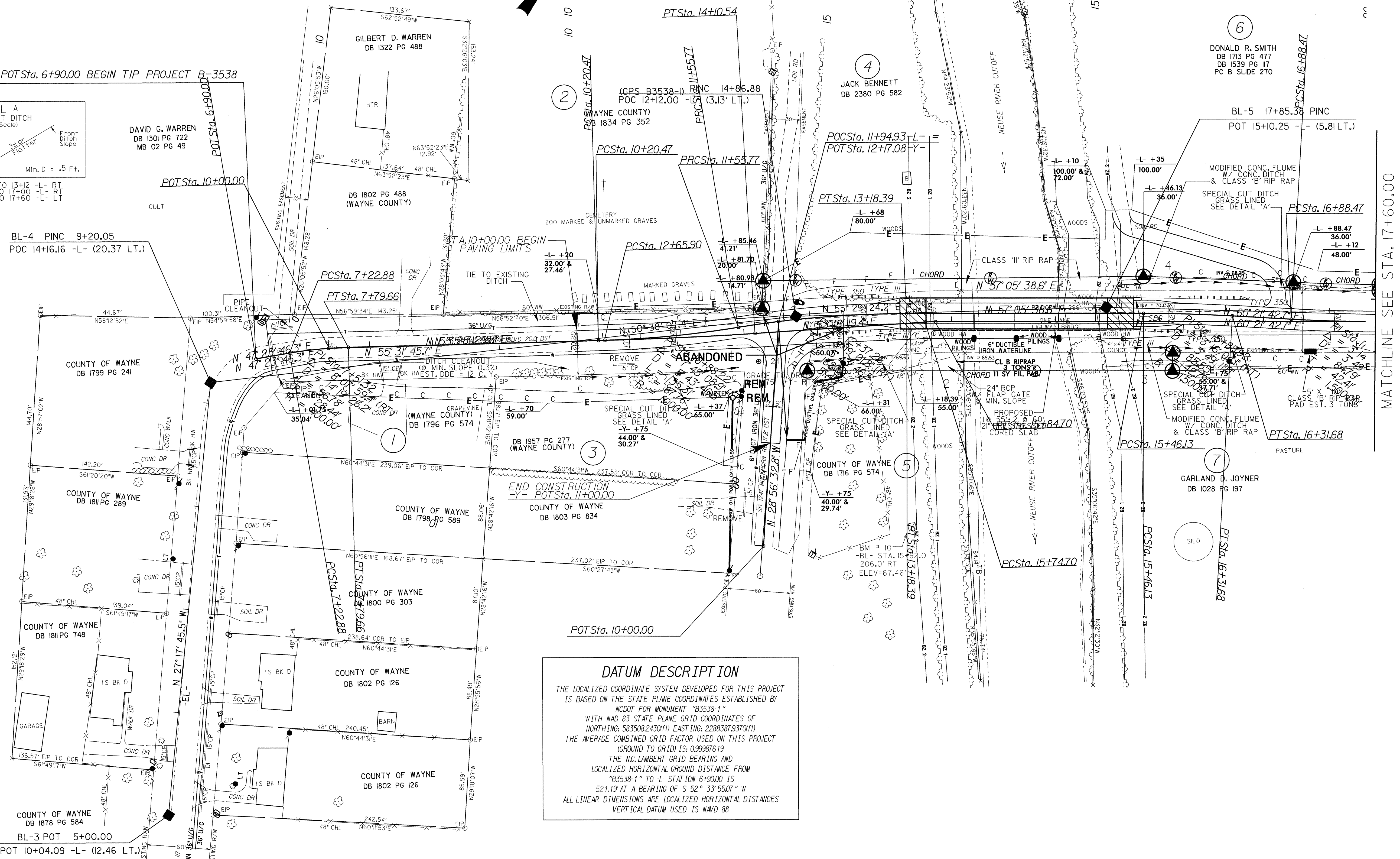
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-L- POTSta. 6+90.00 BEGIN TIP PROJECT B-3538

BL-4 PINC 9+20.05
POC 14+16.16 -L- (20.37 LT.)

BL-3 POT 5+00.00
POT 10+04.09 -L- (12.46 LT.)



DATUM DESCRIPTION
 THE LOCAL COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "B3538-1" WITH NAD 83 STATE PLANE GRID COORDINATES OF NORTHING: 583508.2430(1) EASTING: 2288387.9370(1) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99987619 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B3538-1" TO -L- STA. 10+90.00 IS 521.19' AT A BEARING OF S 52° 33' 55.07" W ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAD 88

MATCHLINE SEE STA. 17+60.00