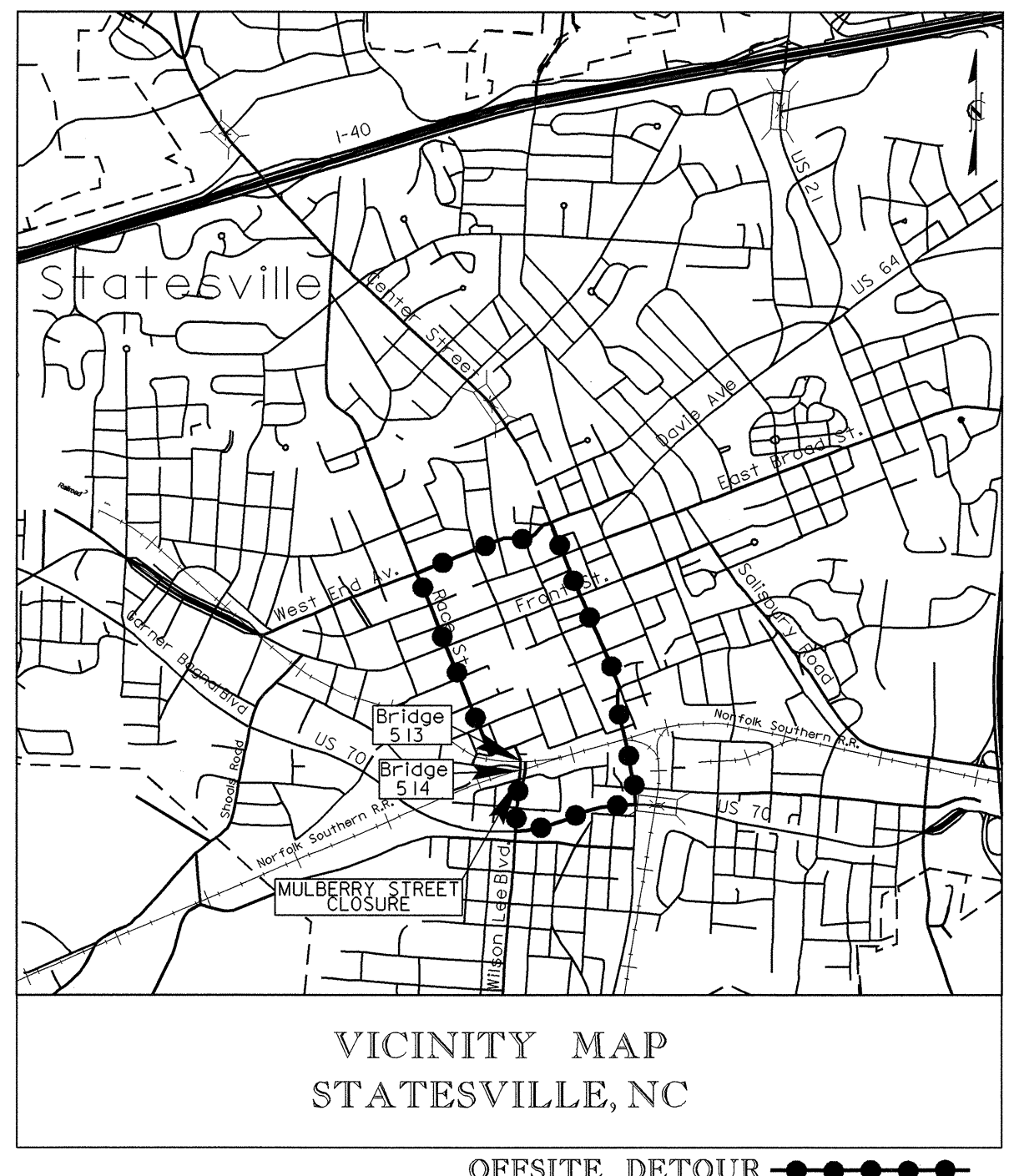


TIP PROJECT: B-2576



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

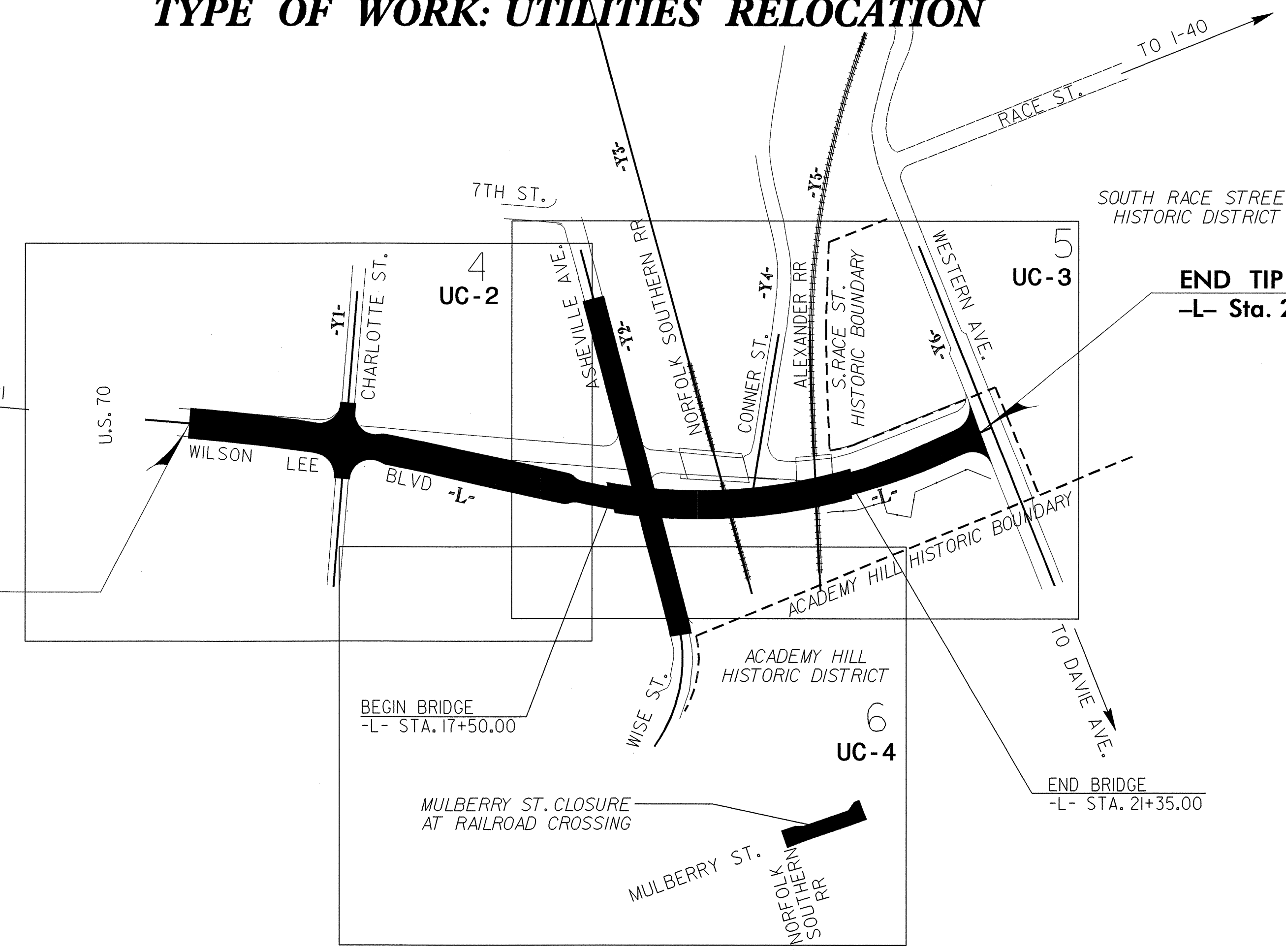
**UTILITY CONSTRUCTION PLANS
IREDELL COUNTY**

**LOCATION: REPLACE BRIDGES 513 AND 514 ON
WILSON W. LEE BOULEVARD OVER NORFOLK
SOUTHERN RAILROAD IN STATESVILLE**

TYPE OF WORK: UTILITIES RELOCATION



BEGIN TIP PROJECT B-2576
-L- Sta. 10+70.00

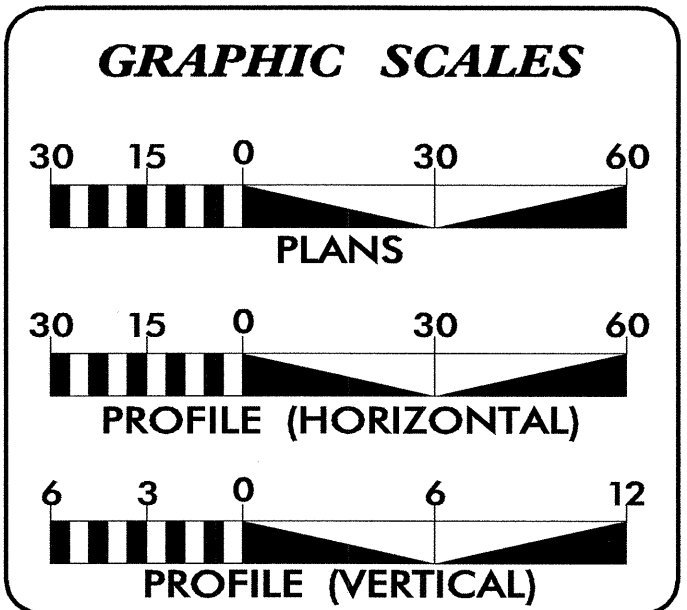


END TIP PROJECT B-2576
-L- Sta. 23+56.04

BEGIN BRIDGE
-L- STA. 17+50.00

END BRIDGE
-L- STA. 21+35.00

THIS PROJECT IS WITHIN
THE MUNICIPAL BOUNDARIES
OF THE CITY OF STATESVILLE

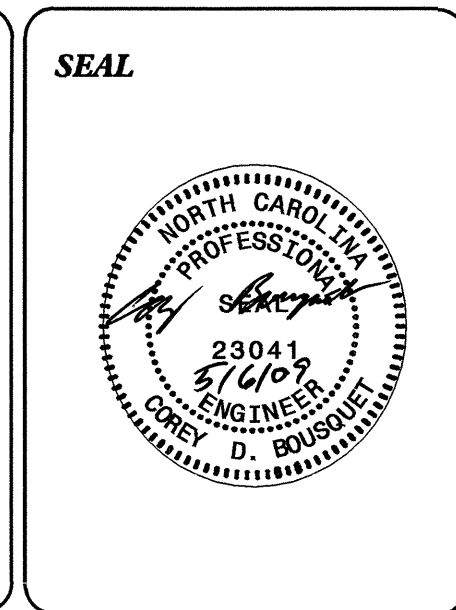


INDEX OF SHEETS

SHEET NO.	DESCRIPTION
UC-1	TITLE SHEET
UC-1 THRU UC-4	UTILITY CONSTRUCTION PLAN SHEETS
UC-5	DETAILS SHEET
UC-6	PROFILE SHEET

WATER AND SEWER OWNERS ON PROJECT

(1) CITY OF STATESVILLE (WATER)
(2) CITY OF STATESVILLE (SANITARY SEWER)



PREPARED IN THE OFFICE OF:
**DIVISION OF HIGHWAYS
UTILITIES ENGINEERING
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
Nabil Hamdan UTILITIES PROJECT DESIGNER

UTILITY CONSTRUCTION

-L-
 PI Sta. 12+74.87
 $\Delta = 7^{\circ} 48' 48.0''$ (RT)
 $D = 1^{\circ} 54' 35.5''$
 $L = 409.11'$
 $T = 204.87'$
 $R = 3,000.00'$
 $SUPER = NC$
 $DC = 30$ MPH

PROP. 407' OF 8" WATER LINE
18' TRENCHLESS INSTALLATION OF 8" IN SOIL
18' TRENCHLESS INSTALLATION OF 8" NOT IN SOIL

ABANDON 25' OF 8" WATER LINE

PROP. 32' OF 8" WATER LINE

ABANDON 155' OF 12" WATER LINE

PROP. 171' OF 12" WATER LINE

ABANDON 70' OF 8" WATER LINE

RELOCATE FIRE HYDRANT

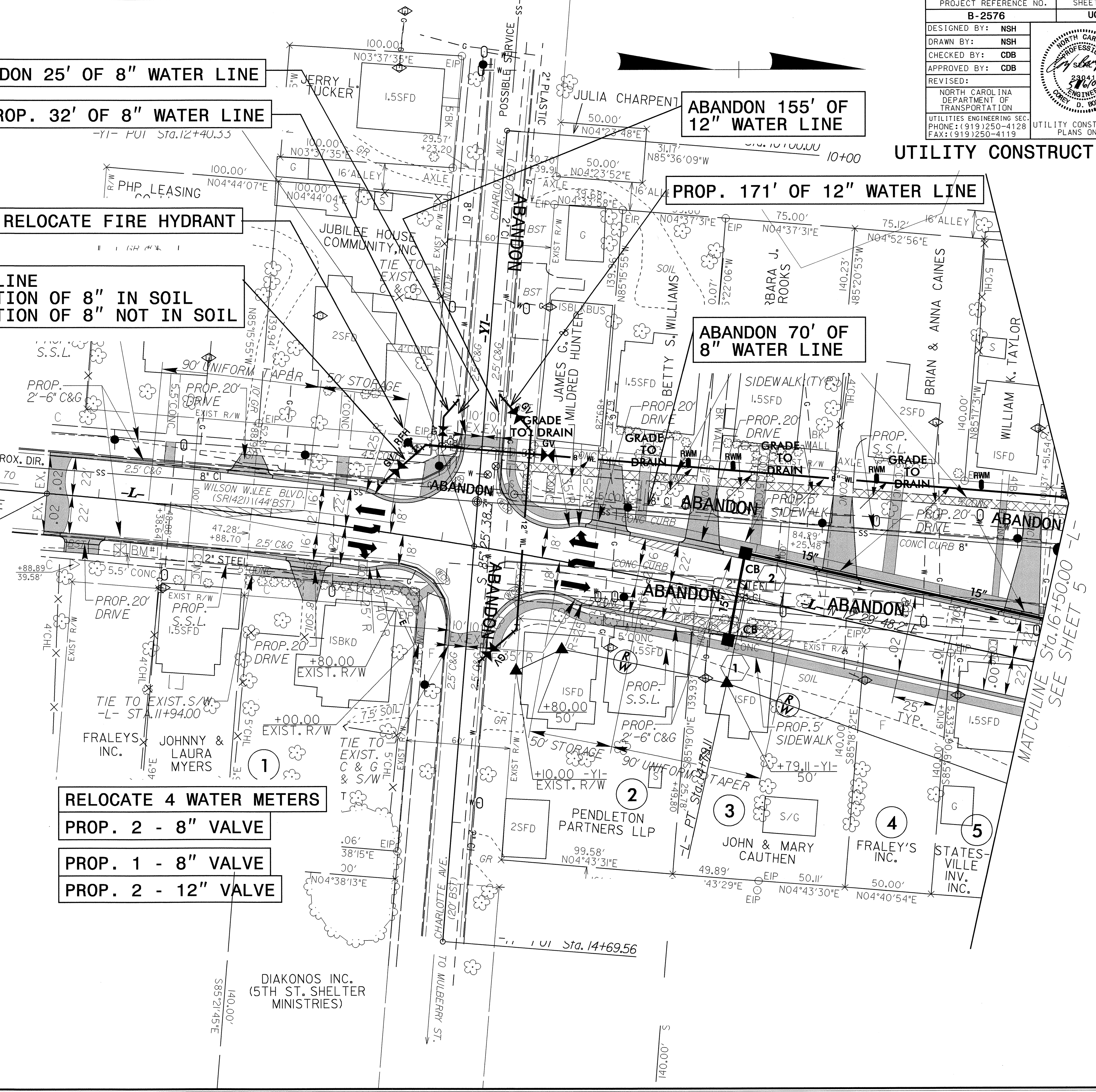
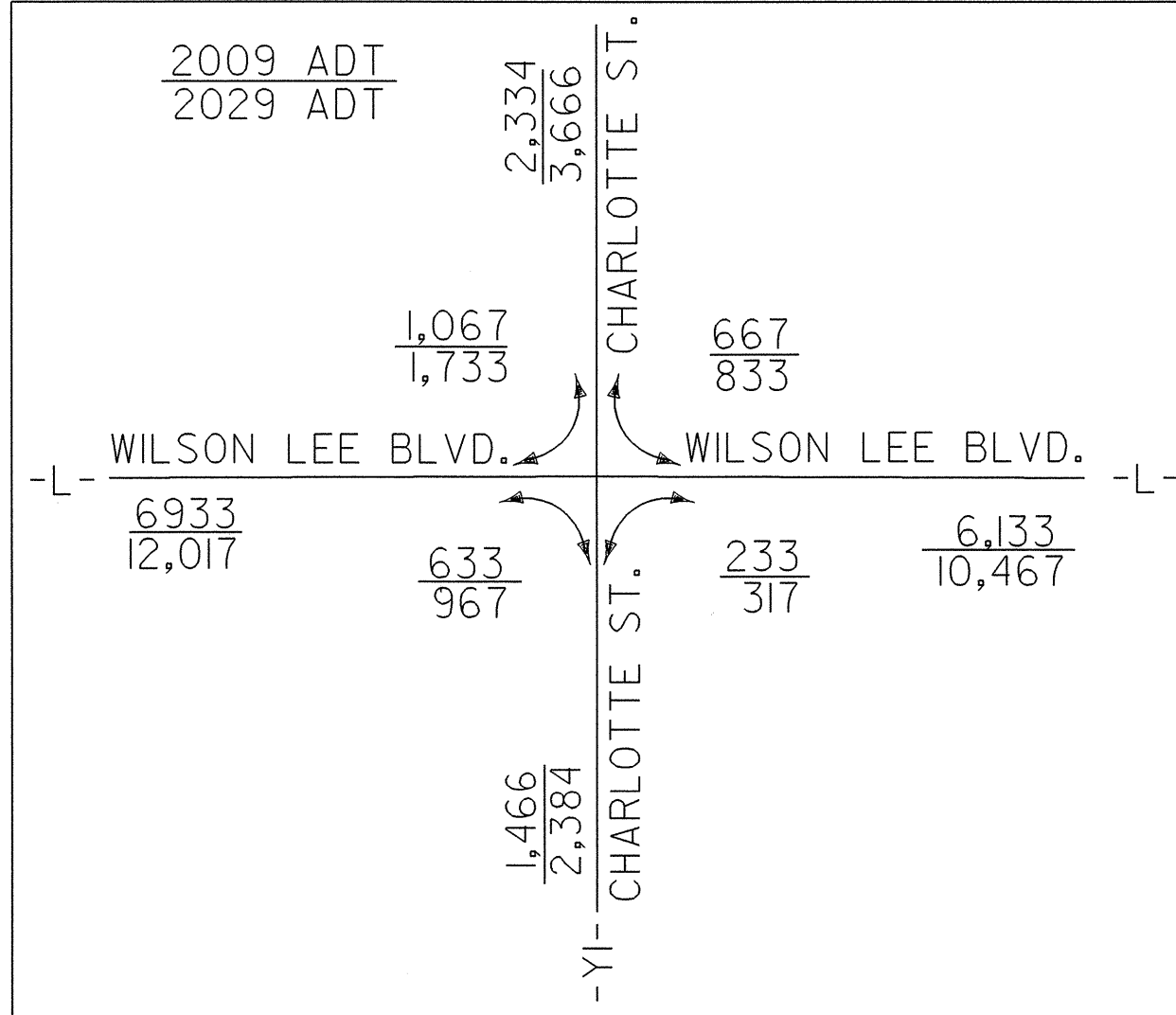
RELOCATE 4 WATER METERS

PROP. 2 - 8" VALVE

PROP. 1 - 8" VALVE

PROP. 2 - 12" VALVE

BEGIN TIP PROJECT B-2576
 -L- Sta. 10+70.00



5/14/09
 06-MAY-2009 15:54
 \\sullivan\files\cdu\ut\proj\B2576_Ut_r.dwg UC02.dgn

NOTE:

- ALL PROPOSED WATER AND SEWER LINES SHALL BE DI.
- PROPOSED WATER LINE SHALL BE A MINIMUM OF 2' BELOW PROPOSED OR EXISTING DRAINAGE.

UTILITY CONSTRUCTION

END TIP PROJECT B-2576
-L- Sta. 23+56.04

-L- POT Sta. 23+75.74 =
-Y6- POT Sta. 13+10.00

**PROP MH E1
STA. 4+02**
66.60' RIGHT
OF -L- AT
STA. 16+51

PROP. 84' OF 8" WATER LINE

**ABANDON 543' OF
6" WATER LINE**

RELOCATE 2 WATER METERS

PROP. 1 - 8" VALVE

PROP. 1 - 6" VALVE

**PROP MH TO
TERMINATE
SS LINE**
TOP. 935.29
INV. 934.12

PROP. 550' OF 6" WATER LINE

RELOCATE FIRE HYDRANT

REMOVE UTILITY MH

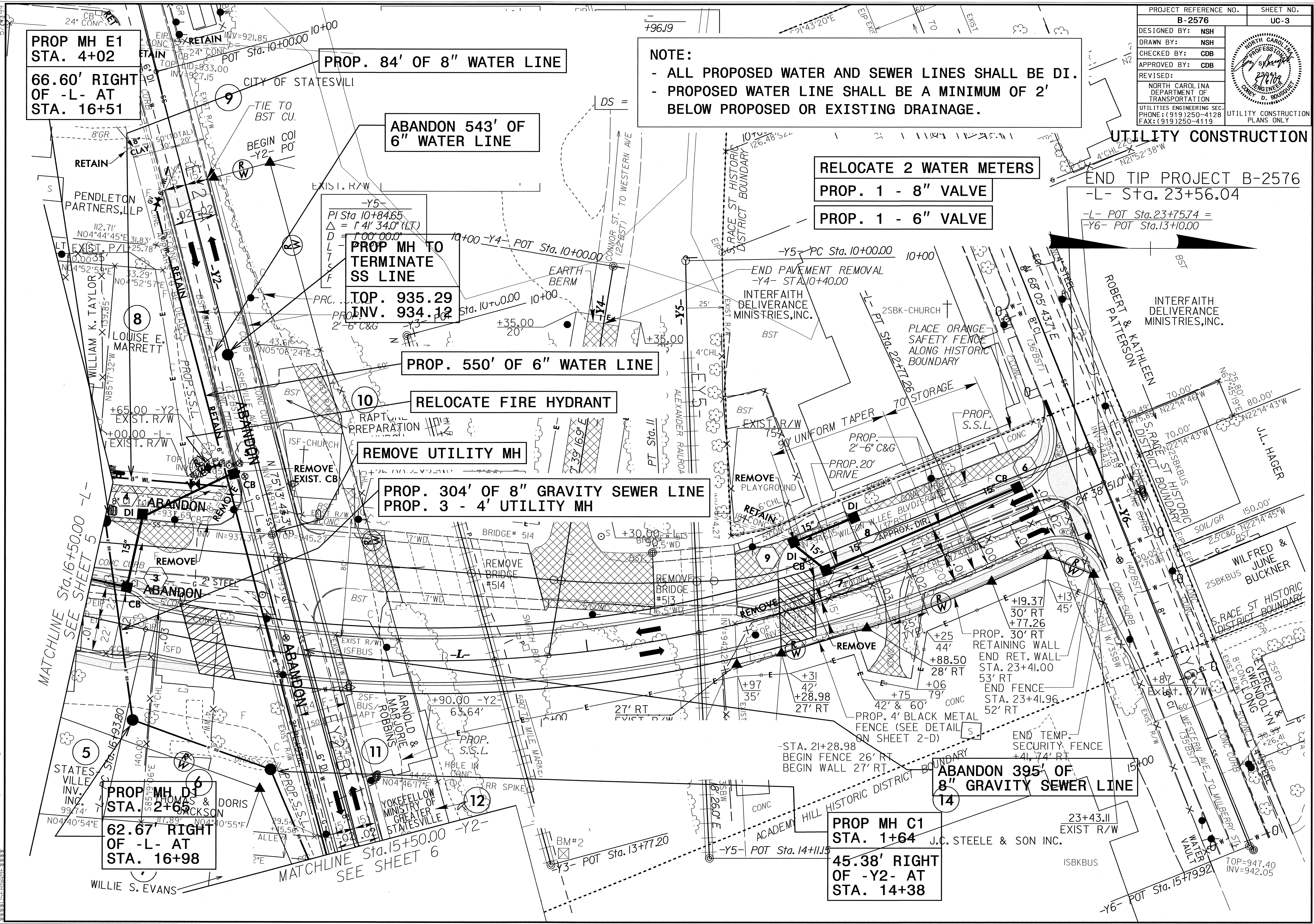
PROP. 304' OF 8" GRAVITY SEWER LINE
PROP. 3 - 4' UTILITY MH

**ABANDON 395' OF
8" GRAVITY SEWER LINE**

**PROP MH C1
STA. 1+64**

**45.38' RIGHT
OF -Y2- AT
STA. 14+38**

**PROP MH D1
STA. 2+62**
62.67' RIGHT
OF -L- AT
STA. 16+98

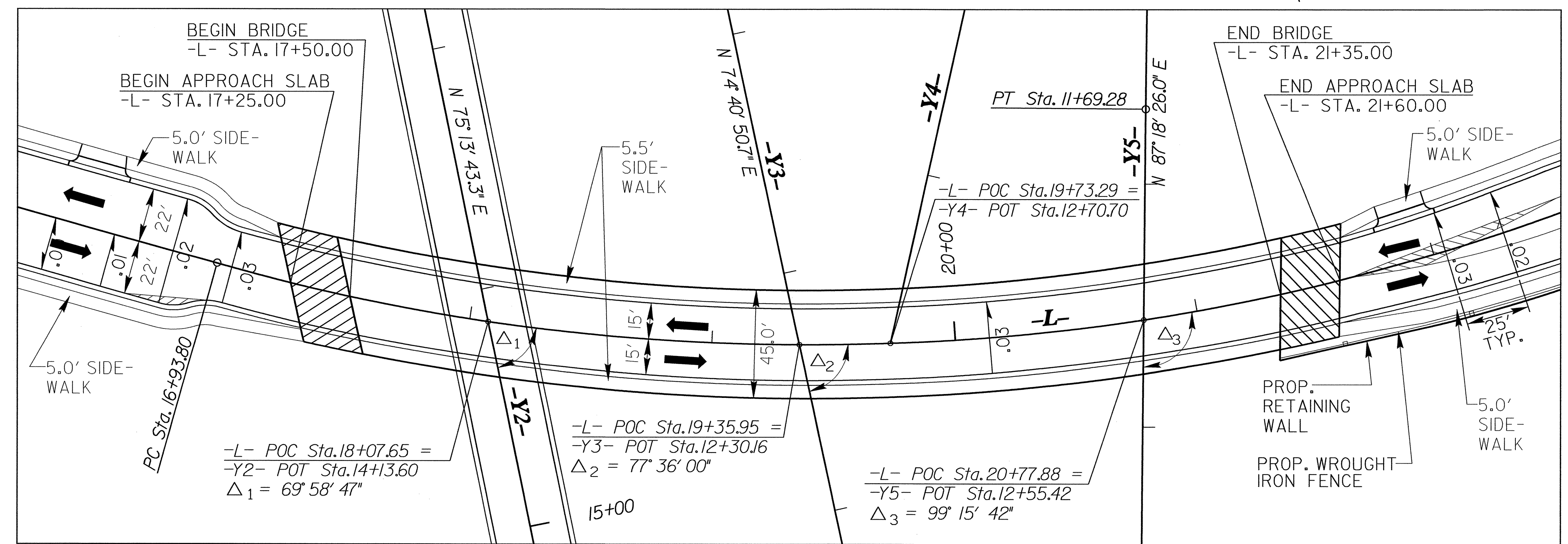
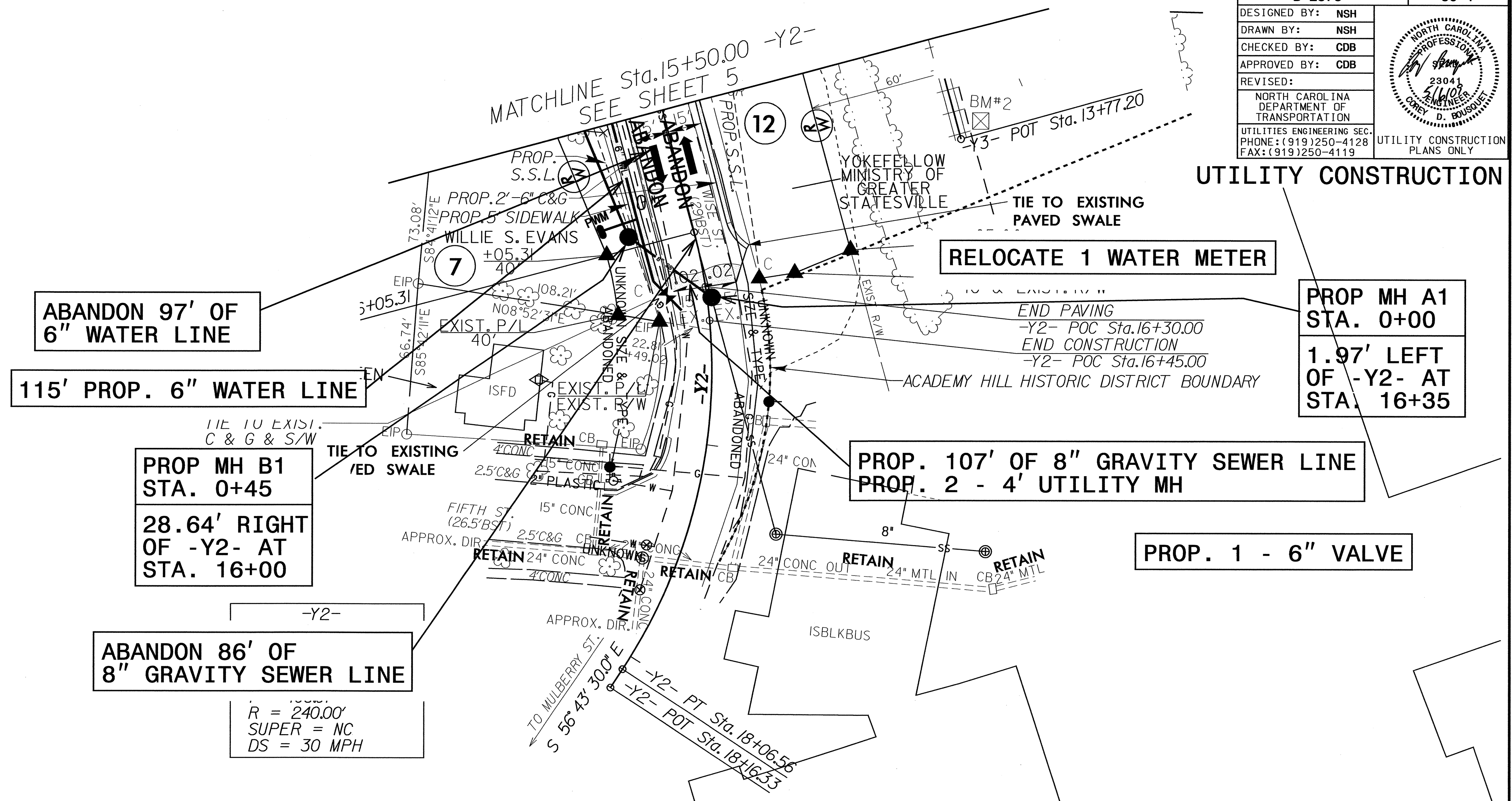


MATCHLINE Sta. 16+50.00 -L-
SEE SHEET 5

MATCHLINE Sta. 15+50.00
SEE SHEET 6

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B2576-UC-3

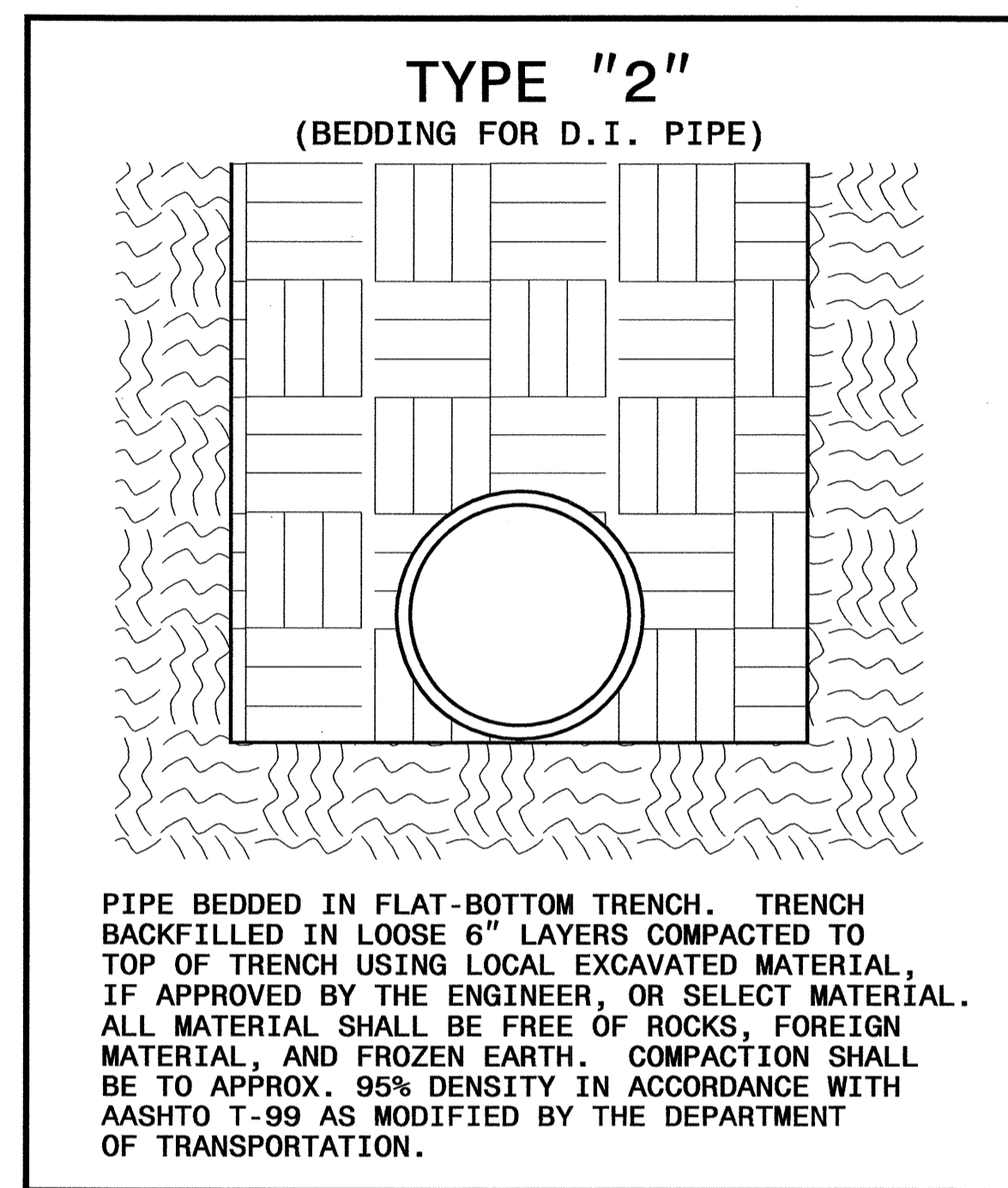
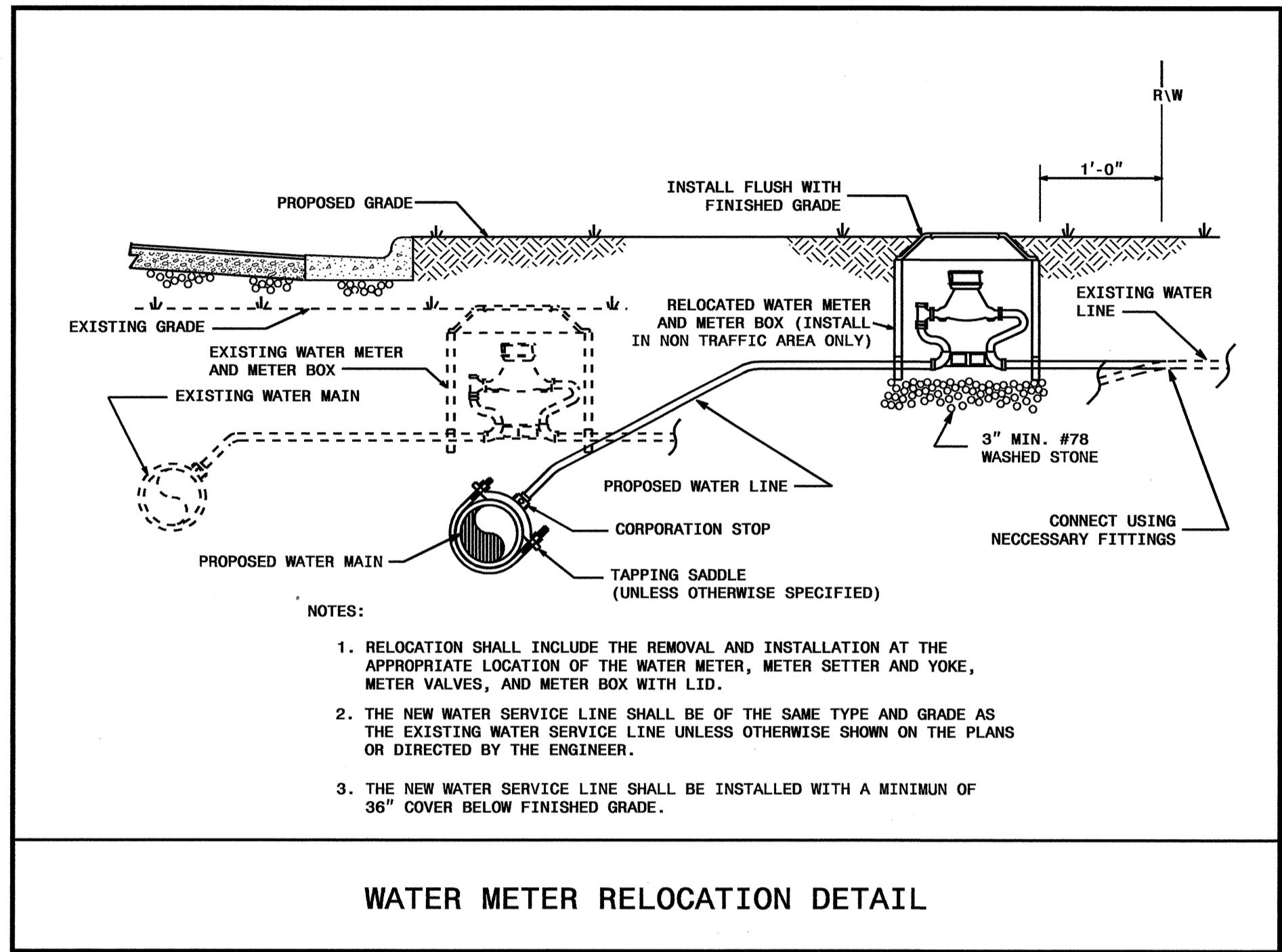
PROJECT REFERENCE NO.	SHEET NO.
B-2576	UC-4
DESIGNED BY: NSH	
DRAWN BY: NSH	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SECTION PHONE: (919) 250-4128 FAX: (919) 250-4119	
UTILITY CONSTRUCTION PLANS ONLY	



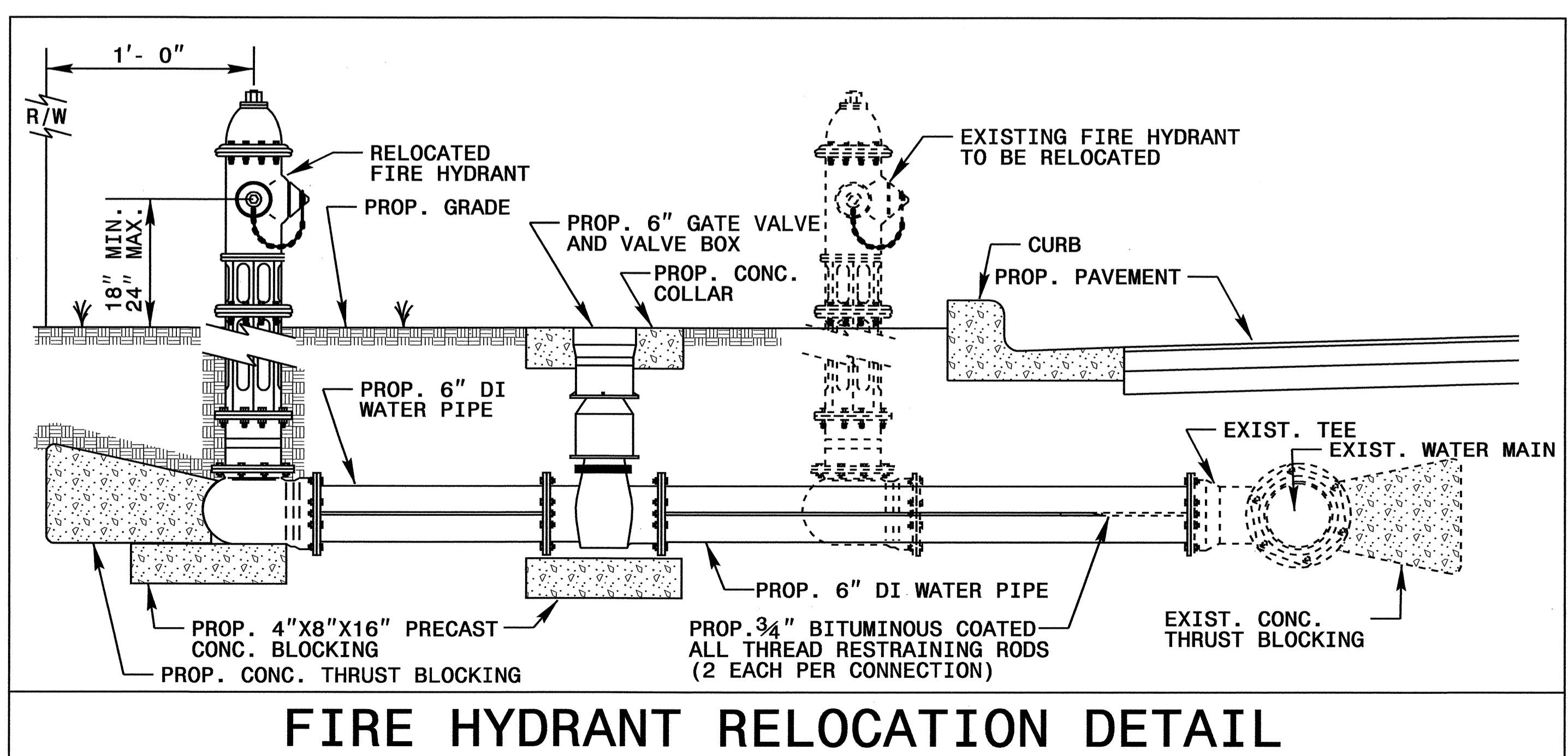
BRIDGE SKETCH

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UTILITY CONSTRUCTION



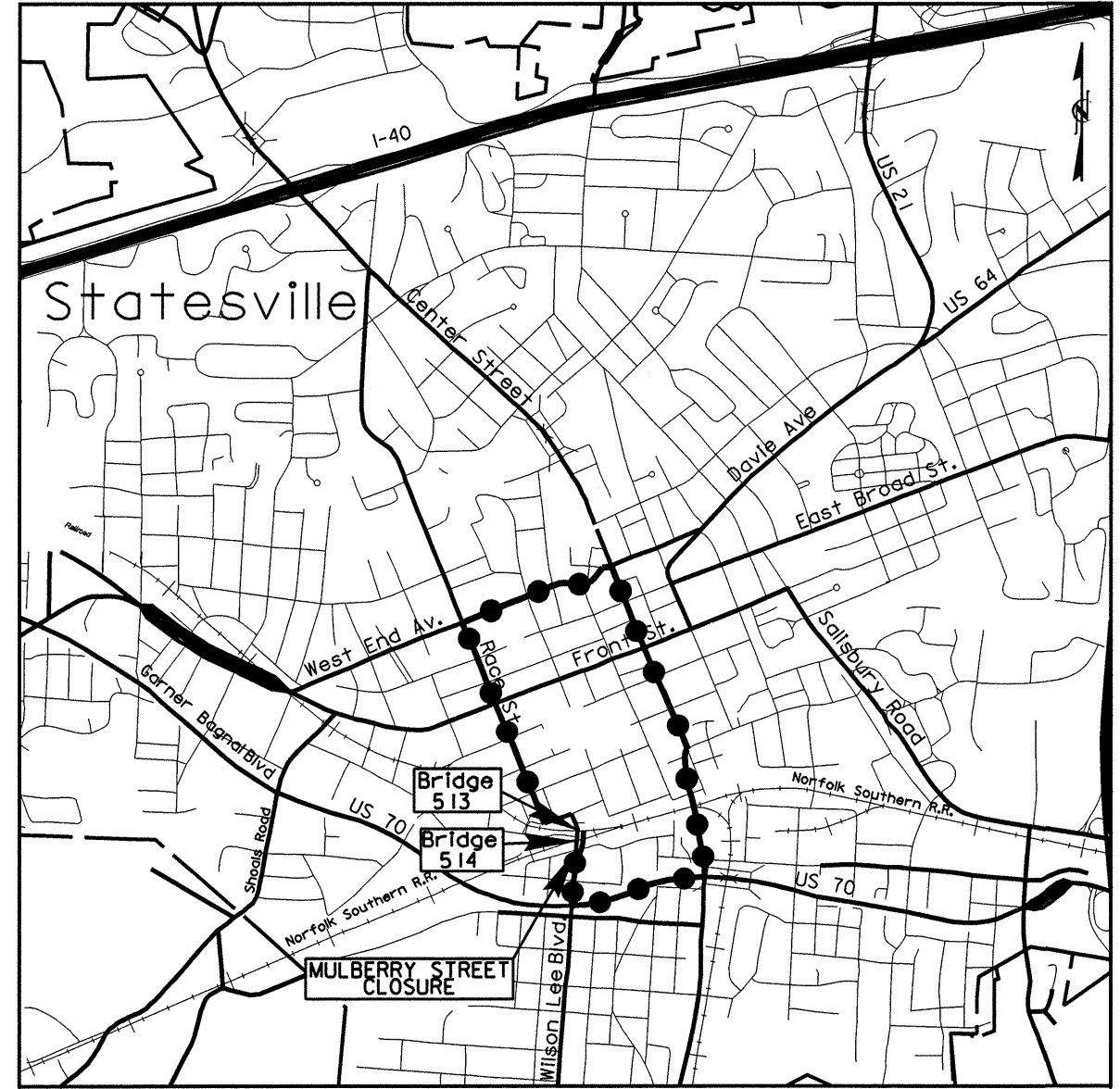
NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)	NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)
4	28	20	44
6	30	24	48
8	32	30	54
10	34	36	60
12	36	42	66
14	38	48	72
16	40	54	78
18	42		



05/08/99

TIP PROJECT: B-2576

See Sheet I-B For Conventional Symbols



VICINITY MAP
STATESVILLE, NC

OFFSITE DETOUR

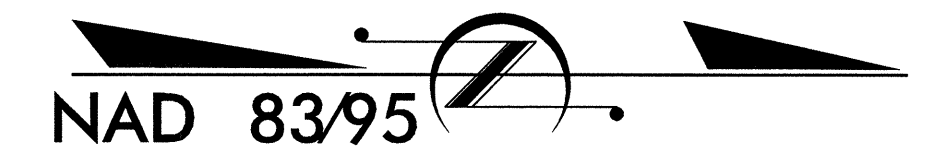
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

**UTILITIES BY OTHERS PLANS
IREDELL COUNTY**

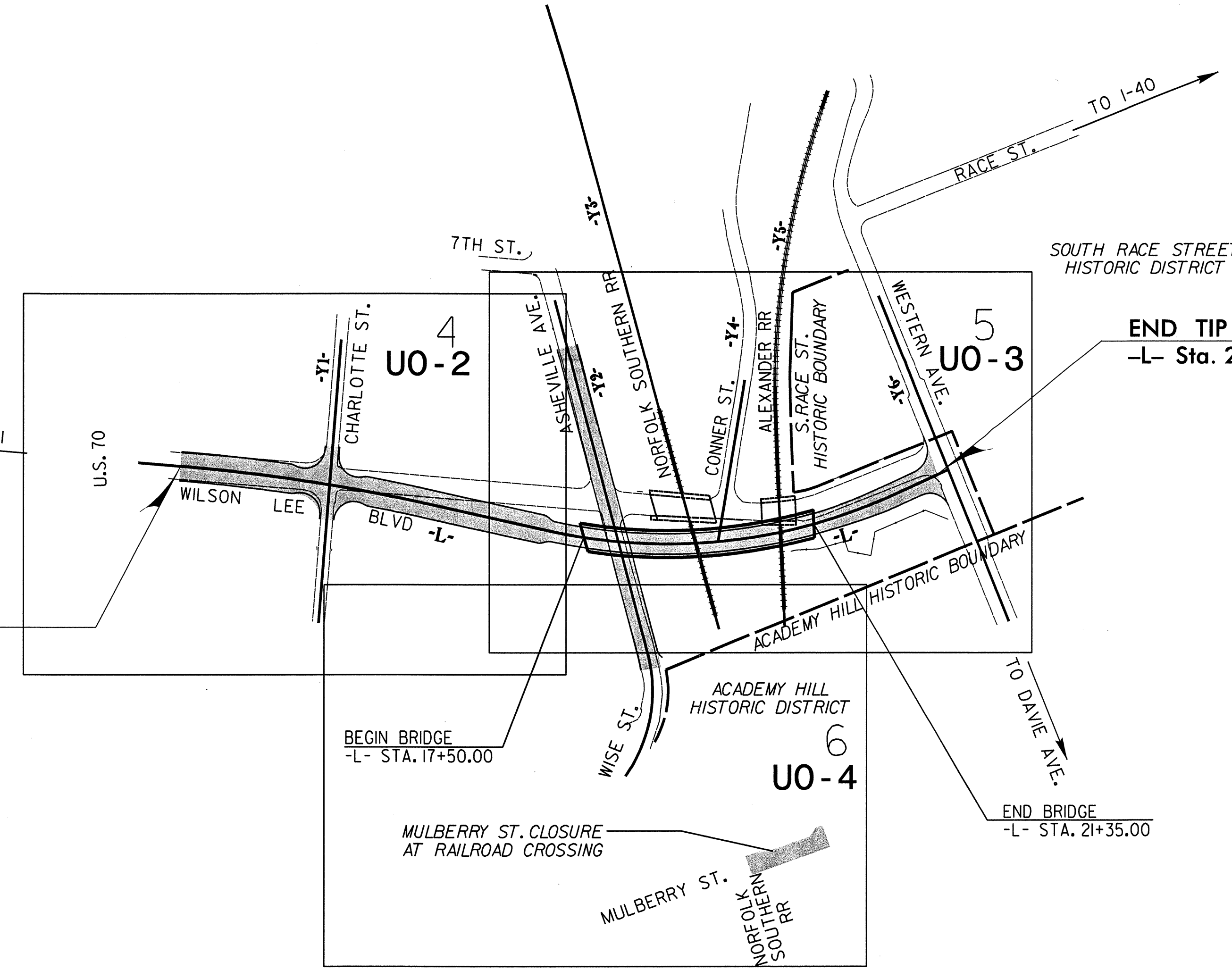
**LOCATION: REPLACE BRIDGES 513 AND 514 ON
WILSON W. LEE BOULEVARD OVER NORFOLK
SOUTHERN RAILROAD IN STATESVILLE**

TYPE OF WORK: UTILITIES BY OTHERS

T.I.P. NO.	SHEET NO.
B-2576	UO-1



BEGIN TIP PROJECT B-2576
-L- Sta. 10+70.00



END TIP PROJECT B-2576
-L- Sta. 23+56.04

BEGIN BRIDGE
-L- STA. 17+50.00

END BRIDGE
-L- STA. 21+35.00

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.

THIS PROJECT IS WITHIN
THE MUNICIPAL BOUNDARIES
OF THE CITY OF STATESVILLE



PREPARED IN THE OFFICE OF:
**DAVIS-MARTIN-POWELL
AND ASSOCIATES, INC.**
6415 OLD PLANK ROAD
HIGH POINT, NC 27265
PHONE (336) 886-4821
FAX (336) 886-4458

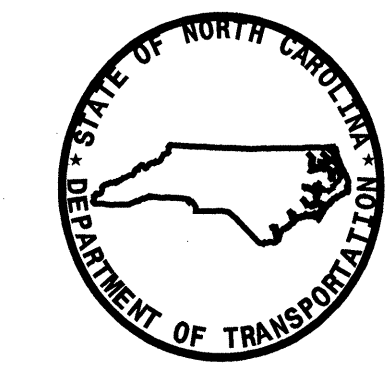
Ed Powell, P.E. UTILITIES PROJECT MANAGER
Andy Larrick, P.E. UTILITIES PROJECT ENGINEER
Mark Salter UTILITIES COORDINATOR

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
UO-1	TITLE SHEET
UO-2 THRU UO-4	UTILITIES BY OTHERS PLAN SHEETS

UTILITY OWNERS ON PROJECT

- (1) CITY OF STATESVILLE (POWER)
- (2) PSNC ENERGY (GAS)
- (3) AT&T (TELEPHONE)
- (4) TIME WARNER CABLE (CATV)
- (5) WINDSTREAM (TELEPHONE)



DIVISION OF HIGHWAYS
UTILITIES ENGINEERING
SECTION
1591 MAIL SERVICES CENTER
RALEIGH, NC 27699-1591
PHONE (919) 259-4128
FAX (919) 259-4119

Roger Worthington, P.E. UTILITIES SECTION ENGINEER
Corey Bousquet, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
Nabil Hamdan UTILITIES PROJECT DESIGNER

\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$DCN\$\$\$\$\$
\$\$\$\$\$USERNAME\$\$\$\$\$

UTILITIES BY OTHERS

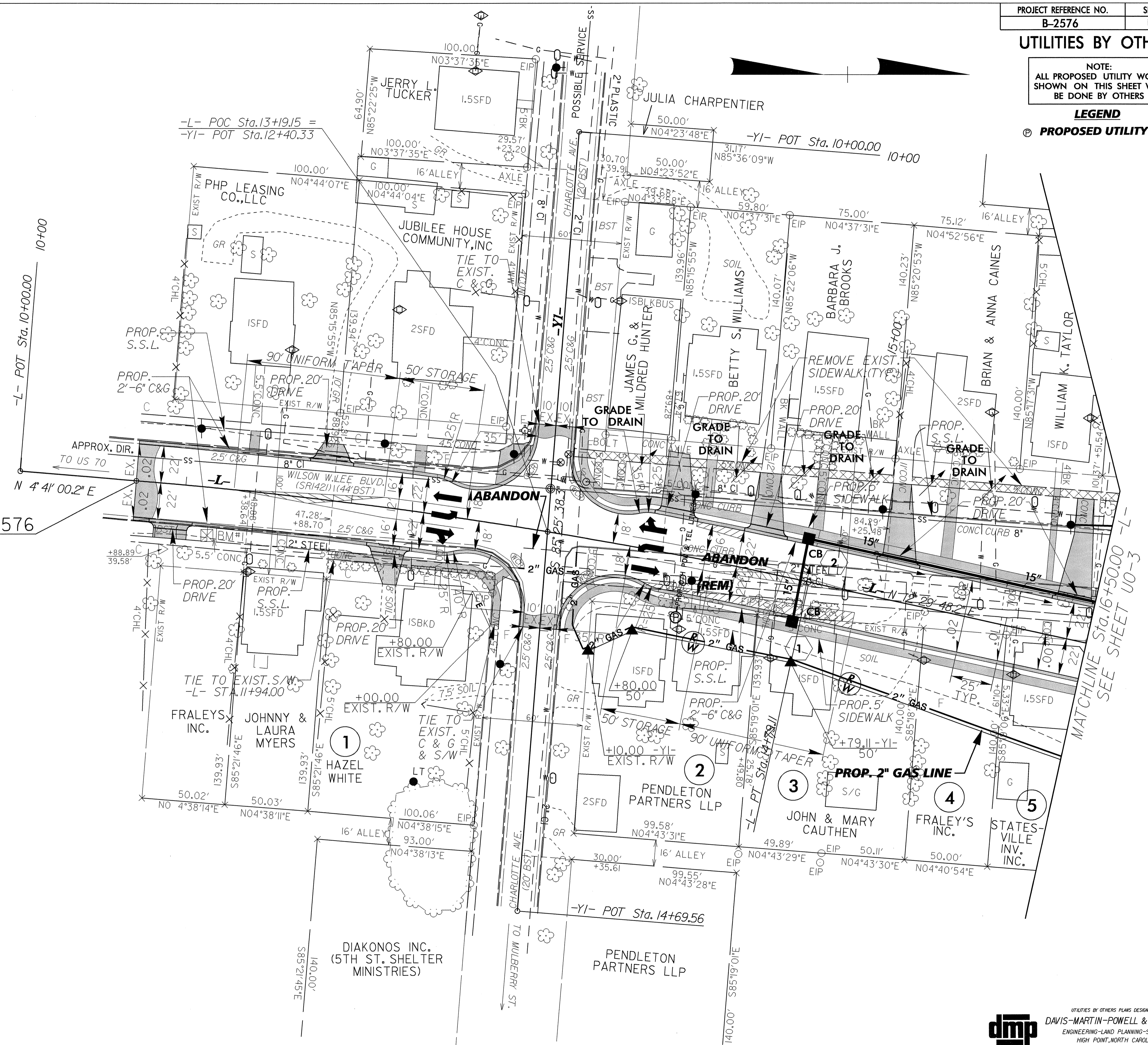
NOTE:
ALL PROPOSED UTILITY WORK
SHOWN ON THIS SHEET WILL
BE DONE BY OTHERS

LEGEND

⊕ PROPOSED UTILITY POLE

-L-
PI Sta 12+74.87
Δ = 7° 48' 48.0" (RT)
D = 1° 54' 35.5"
L = 409.11'
T = 204.87'
R = 3,000.00'
SUPER = NC
DS = 30 MPH

BEGIN TIP PROJECT B-2576
-L- Sta. 10+70.00



REVISIONS

8/17/99
12-MAY-2009 15:47
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USER:JAMES.POWELL

UTILITIES BY OTHERS

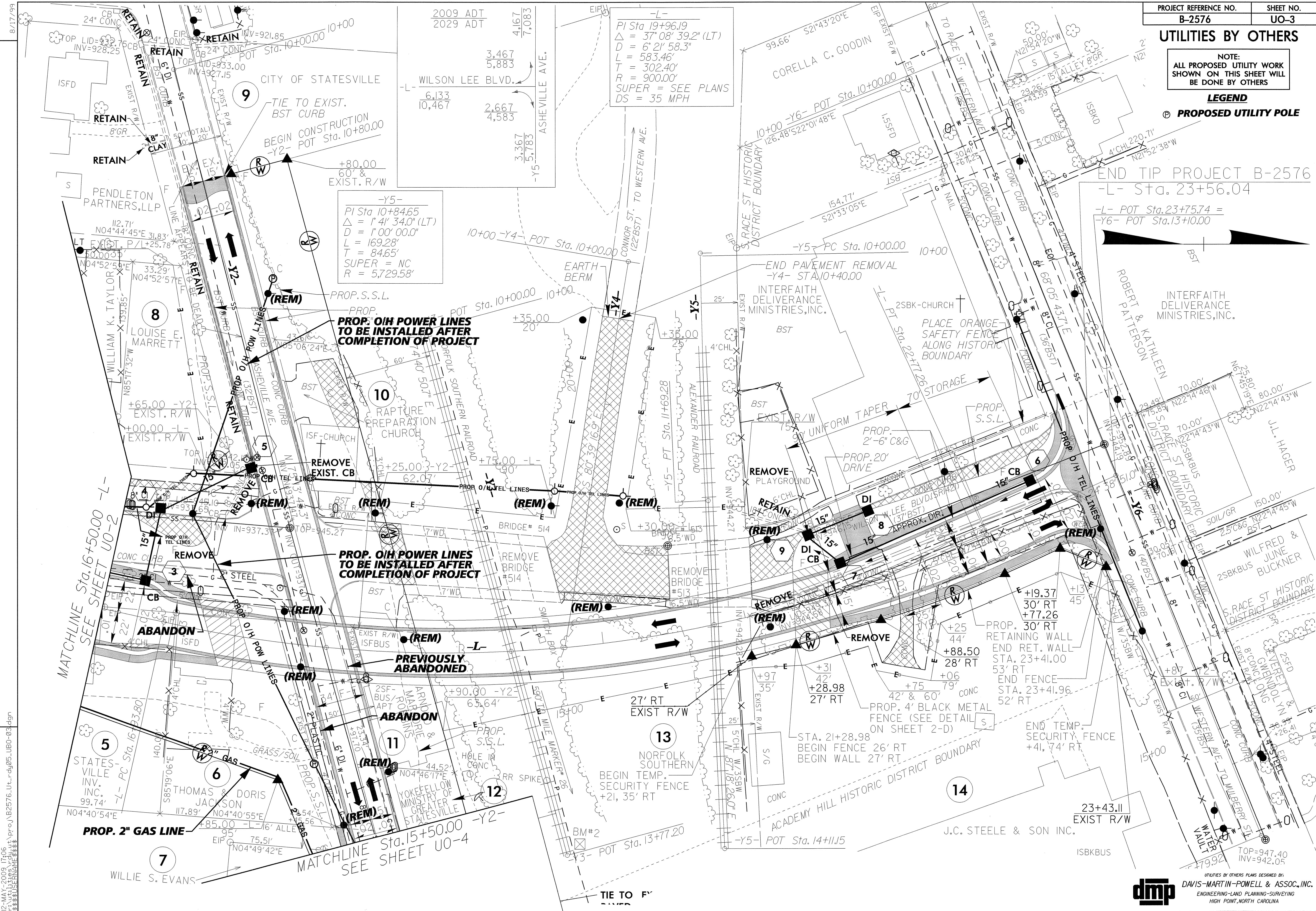
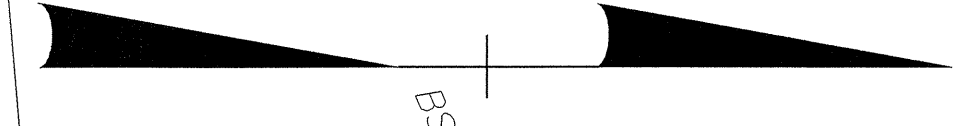
NOTE:
ALL PROPOSED UTILITY WORK
SHOWN ON THIS SHEET WILL
BE DONE BY OTHERS

LEGEND

⊙ PROPOSED UTILITY POLE

END TIP PROJECT B-2576
-L- Sta. 23+56.04

-L- POT Sta. 23+75.74 =
-Y6- POT Sta. 13+10.00



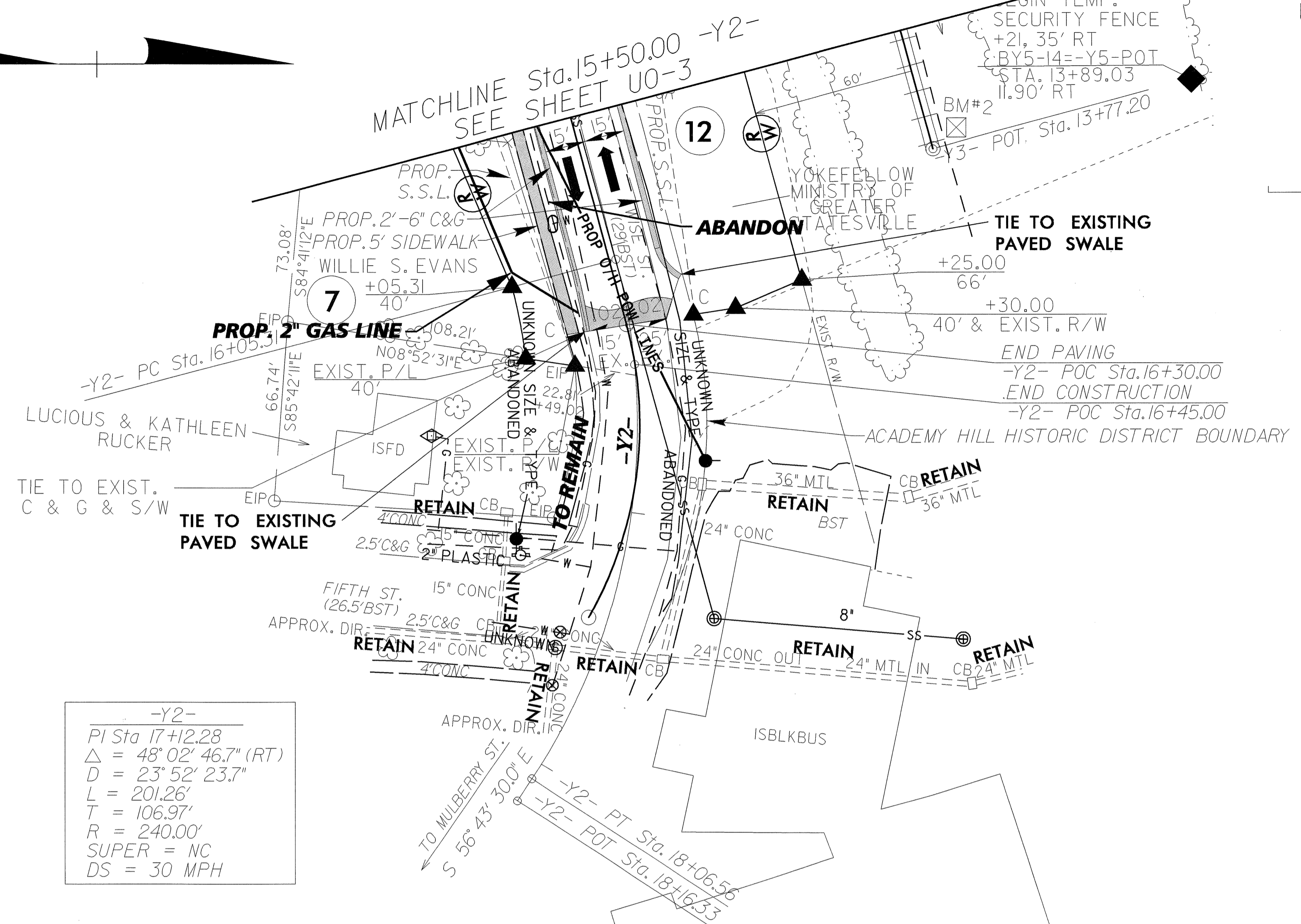
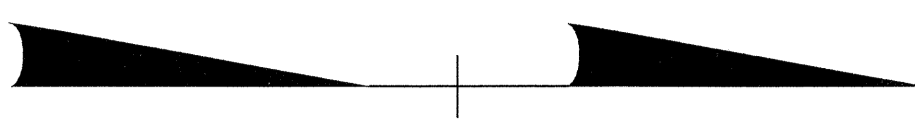
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UTILITIES BY OTHERS

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

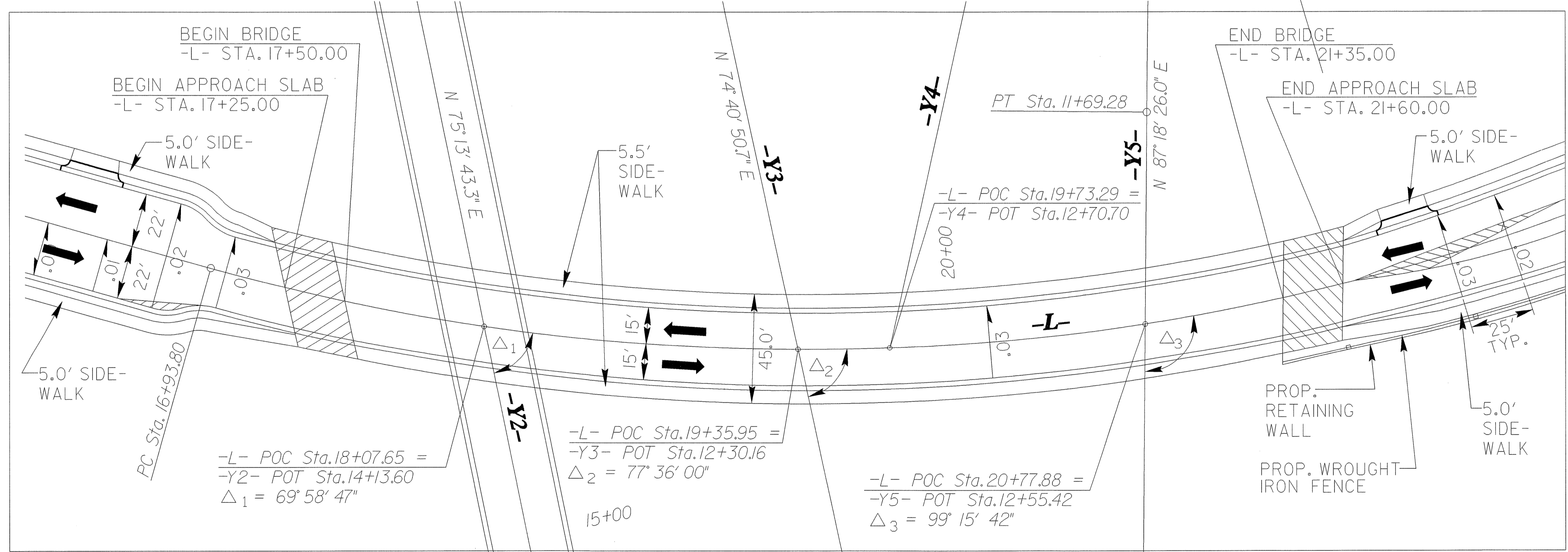
LEGEND
⊙ PROPOSED UTILITY POLE

8/17/99



-Y2-
PI Sta 17+12.28
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$D = 23^{\circ} 52' 23.7''$
$L = 201.26'$
$T = 106.97'$
$R = 240.00'$
SUPER = NC
DS = 30 MPH

REVISIONS



BRIDGE SKETCH

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