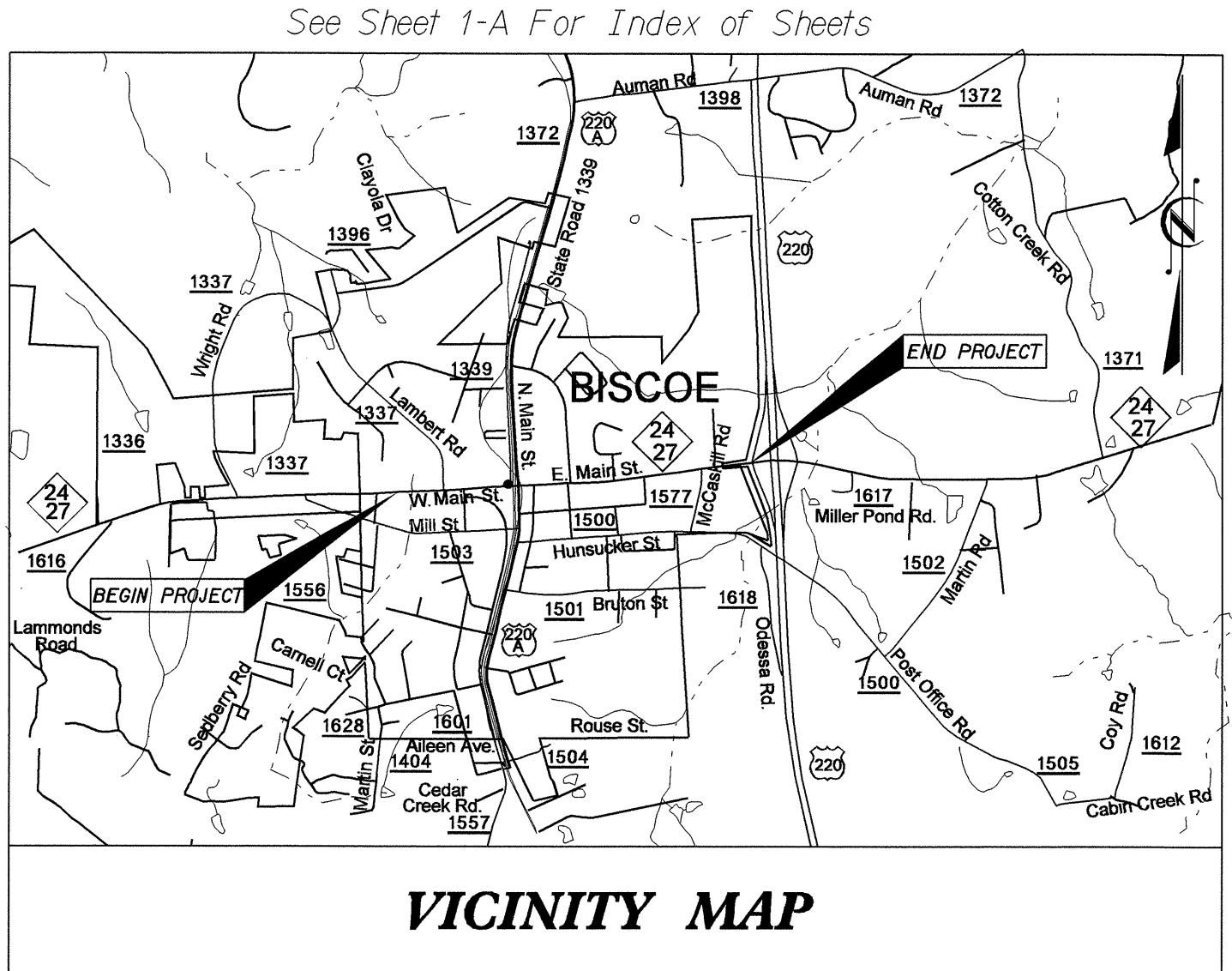


TIP PROJECT: R-2107B

| | |
|------------|-----------|
| T.I.P. NO. | SHEET NO. |
| R-2107B | UC-1 |



STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

UTILITY CONSTRUCTION PLANS MONTGOMERY COUNTY

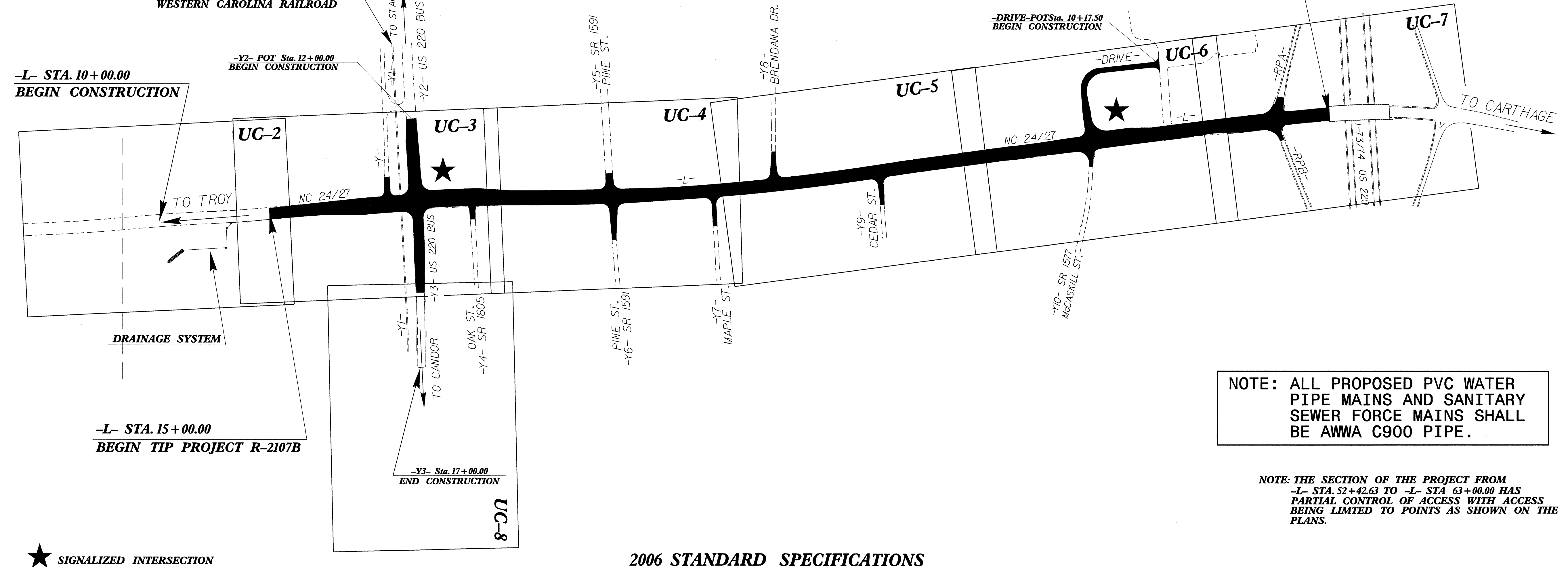
**LOCATION: NC 24-27 (EAST MAIN ST.) FROM
US 220A (MAIN ST.) TO I-73/74/US 220**

-L- STA. 63+00.00 END TIP PROJECT R-2107B

TYPE OF WORK: UTILITY CONSTRUCTION

THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARY OF BISCOE.

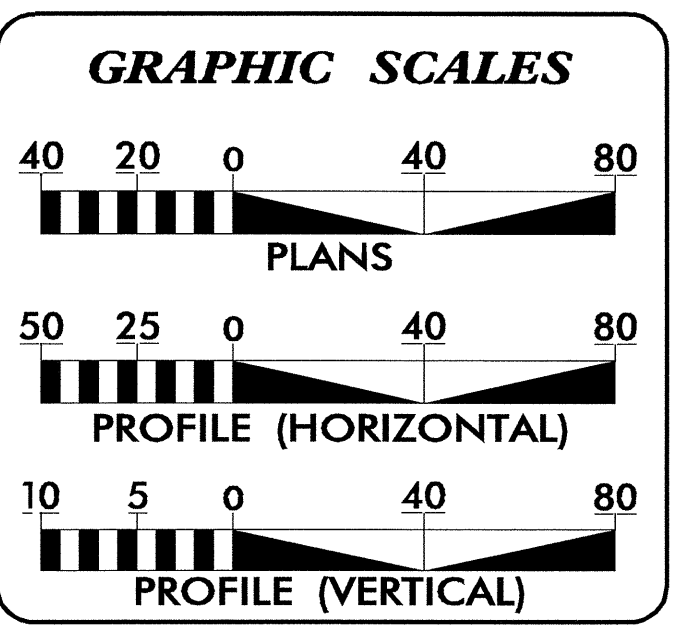
THE ABERDEEN CAROLINA AND
WESTERN CAROLINA RAILROAD



NOTE: ALL PROPOSED PVC WATER PIPE MAINS AND SANITARY SEWER FORCE MAINS SHALL BE AWWA C900 PIPE.

NOTE: THE SECTION OF THE PROJECT FROM -L- STA. 52+42.63 TO -L- STA. 63+00.00 HAS PARTIAL CONTROL OF ACCESS WITH ACCESS BEING LIMITED TO POINTS AS SHOWN ON THE PLANS.

★ SIGNALIZED INTERSECTION

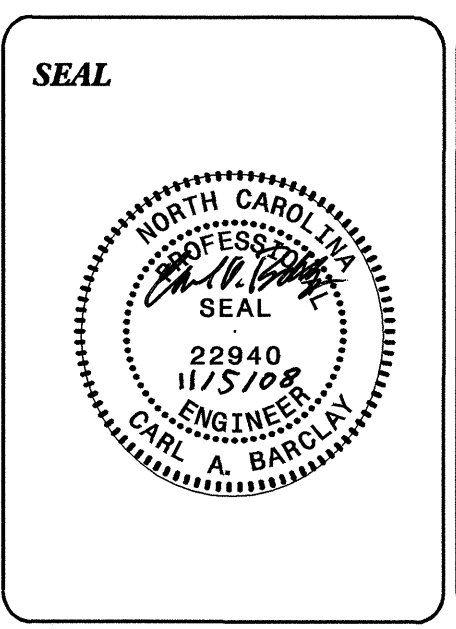


INDEX OF SHEETS

| SHEET NO. | DESCRIPTION |
|----------------|-----------------------------------|
| UC-1 | TITLE SHEET |
| UC-2 THRU UC-8 | UTILITY CONSTRUCTION PLAN SHEETS |
| UC-9 | UTILITY CONSTRUCTION DETAIL SHEET |

WATER AND SEWER OWNERS ON PROJECT

- (1) WATER - TOWN OF BISCOE
- (2) SANITARY SEWER - TOWN OF BISCOE
- (3) WATER - MONTGOMERY COUNTY WATER SYSTEM



**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

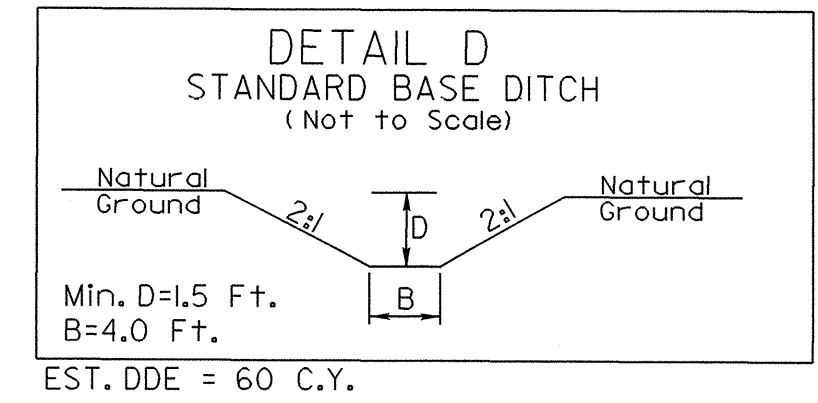
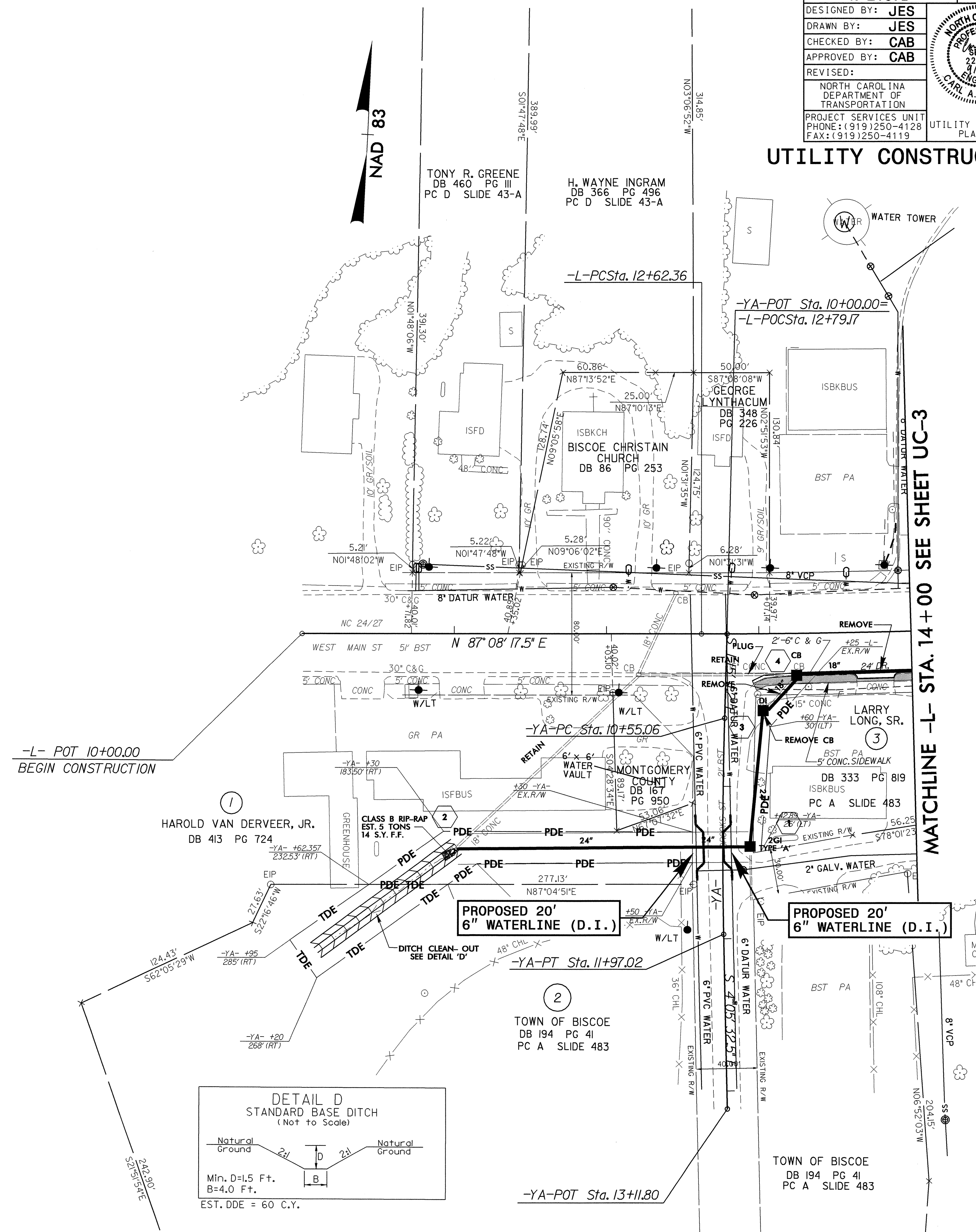
Roger Worthington, P.E. UTILITIES SECTION ENGINEER
Carl A. Barclay, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
James E. Swinson UTILITIES PROJECT DESIGNER

04-NOV-2008 10:52
F:\ut\it\es\rdy\ut\proj\N-2107b.ut_title_uc1.psh.dgn
\$\$\$\$\$USERNAME\$\$\$\$\$

| | |
|---|-------------|
| PROJECT REFERENCE NO. | SHEET NO. |
| R-2107B | UC-2 |
| DESIGNED BY: JES | |
| DRAWN BY: JES | |
| CHECKED BY: CAB | |
| APPROVED BY: CAB | |
| REVISED: | |
| NORTH CAROLINA DEPARTMENT OF TRANSPORTATION | |
| PROJECT SERVICES UNIT PHONE: (919) 250-4128 FAX: (919) 250-4119 | |
| UTILITY CONSTRUCTION PLANS ONLY | |

UTILITY CONSTRUCTION

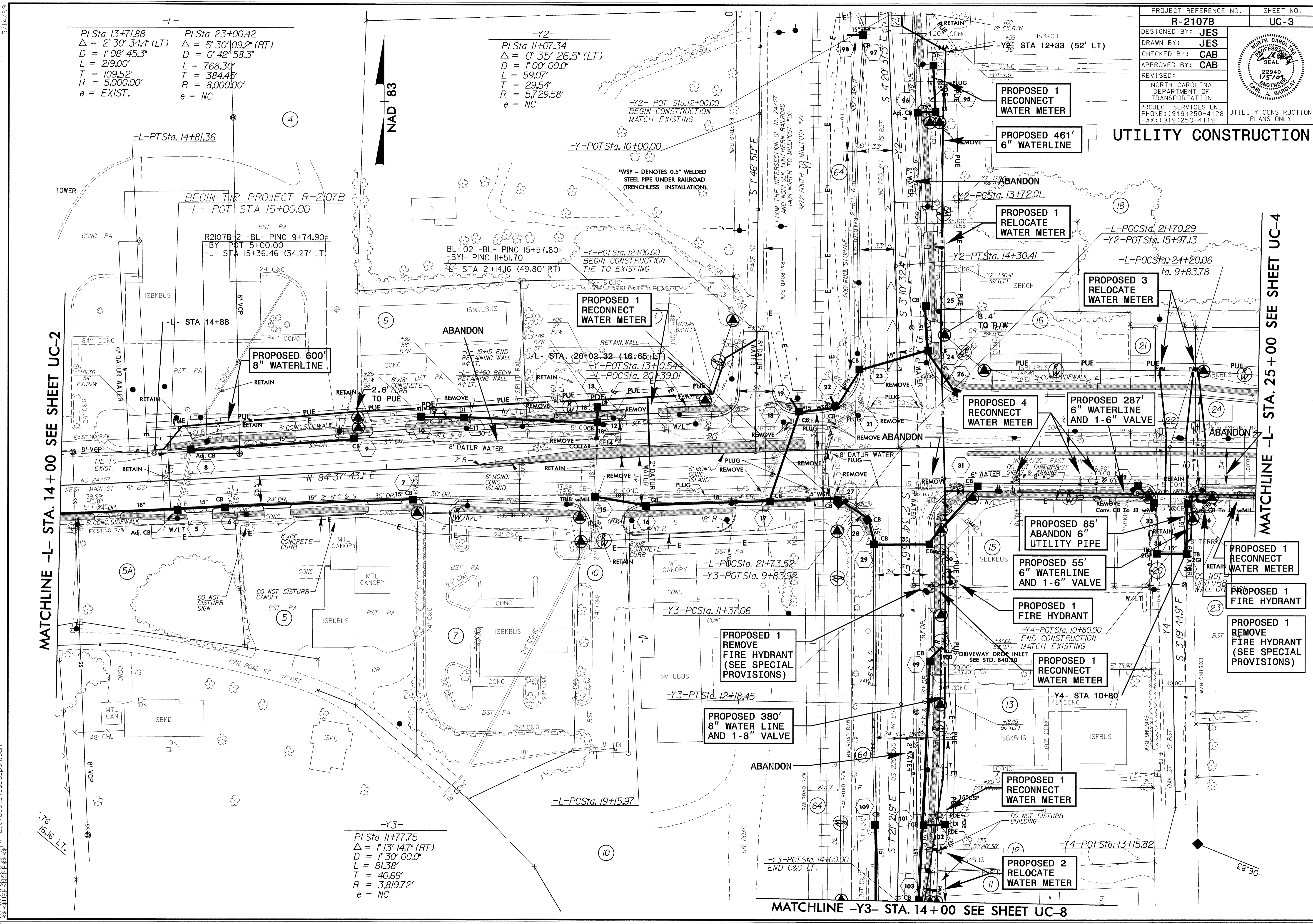
MATCHLINE -L- STA. 14+00 SEE SHEET UC-3



5/14/99
22-SEP-2008 14:06
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| | |
|--|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| R-2107B | UC-3 |
| DESIGNED BY: JES | |
| DRAWN BY: JES | |
| CHECKED BY: CAB | |
| APPROVED BY: CAB | |
| REVISED: | |
| NORTH CAROLINA DEPARTMENT OF TRANSPORTATION PROJECT SERVICES UNIT PHONE: (919) 250-4128 FAX: (919) 250-4119 | |
| UTILITY CONSTRUCTION PLANS ONLY | |

UTILITY CONSTRUCTION



MATCHLINE -L- STA. 14 + 00 SEE SHEET UC-2

MATCHLINE -L- STA. 25 + 00 SEE SHEET UC-4

MATCHLINE -Y3- STA. 14 + 00 SEE SHEET UC-8

-L-
 PI Sta 13+71.88 PI Sta 23+00.42
 $\Delta = 2^\circ 30' 34.4''$ (LT) $\Delta = 5^\circ 30' 09.2''$ (RT)
 $D = 1^\circ 08' 45.3''$ $D = 0^\circ 42' 58.3''$
 $L = 219.00'$ $L = 768.30'$
 $T = 109.52'$ $T = 384.45'$
 $R = 5,000.00'$ $R = 8,000.00'$
 e = EXIST. e = NC

-Y2-
 PI Sta 11+07.34
 $\Delta = 0^\circ 35' 26.5''$ (LT)
 $D = 1^\circ 00' 00.0''$
 $L = 59.07'$
 $T = 29.54'$
 $R = 5,729.58'$
 e = NC

-Y3-
 PI Sta 11+77.75
 $\Delta = 1^\circ 13' 14.7''$ (RT)
 $D = 1^\circ 30' 00.0''$
 $L = 81.38'$
 $T = 40.69'$
 $R = 3,819.72'$
 e = NC

05-JAN-2009 12:05
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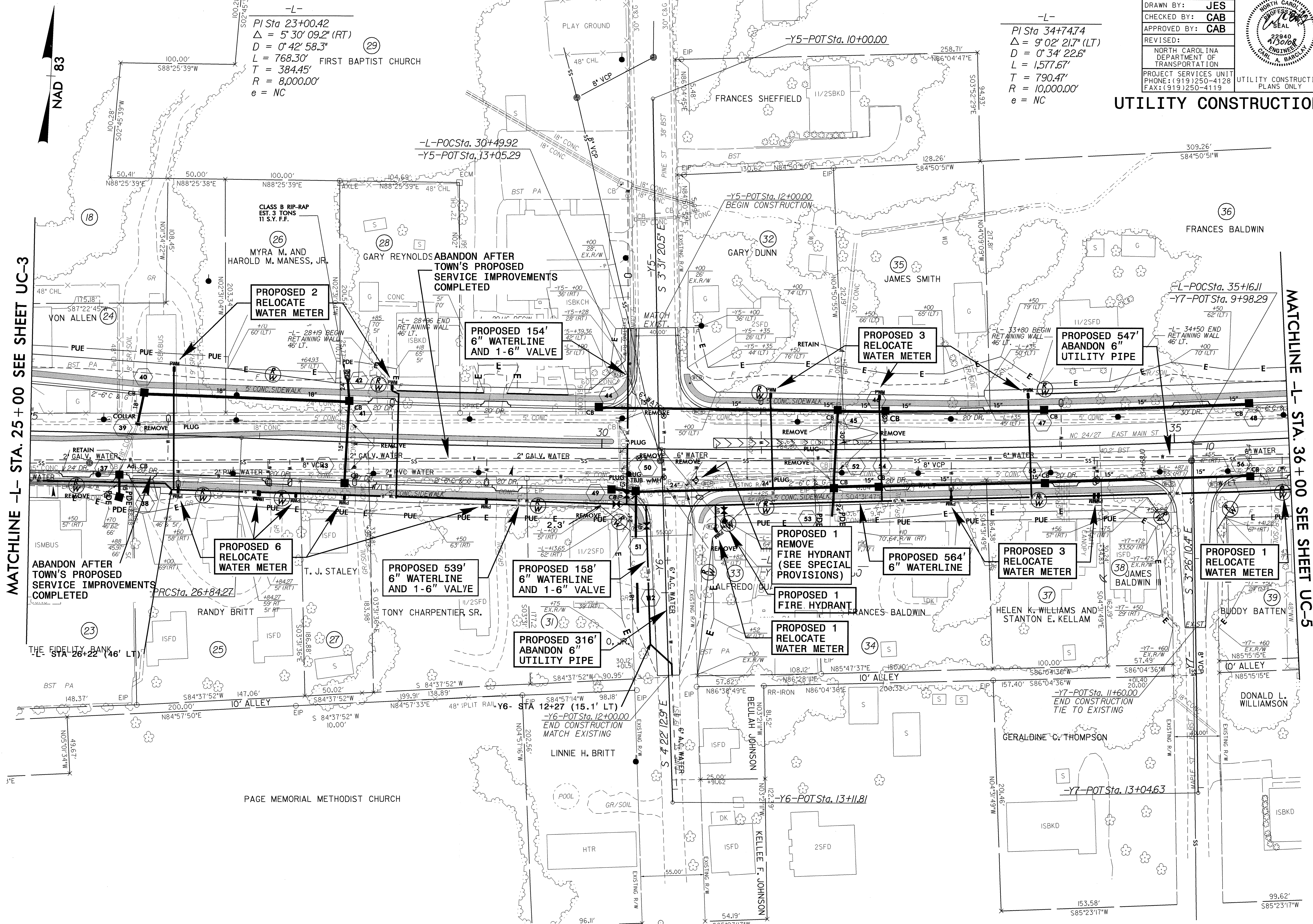
5/14/99

| | |
|---|-------------|
| PROJECT REFERENCE NO. | SHEET NO. |
| R-2107B | UC-4 |
| DESIGNED BY: JES | |
| DRAWN BY: JES | |
| CHECKED BY: CAB | |
| APPROVED BY: CAB | |
| REVISED: | |
| NORTH CAROLINA DEPARTMENT OF TRANSPORTATION PROJECT SERVICES UNIT PHONE: (919) 250-4128 FAX: (919) 250-4119 UTILITY CONSTRUCTION PLANS ONLY | |

UTILITY CONSTRUCTION

MATCHLINE -L- STA. 25 + 00 SEE SHEET UC-3

MATCHLINE -L- STA. 36 + 00 SEE SHEET UC-5



PAGE MEMORIAL METHODIST CHURCH

-L-
 PI Sta 23+00.42
 $\Delta = 5^{\circ} 30' 09.2''$ (RT)
 $D = 0^{\circ} 42' 58.3''$ (29)
 $L = 768.30'$ FIRST BAPTIST CHURCH
 $T = 384.45'$
 $R = 8,000.00'$
 $e = NC$

-L-
 PI Sta 34+74.74
 $\Delta = 9^{\circ} 02' 21.7''$ (LT)
 $D = 0^{\circ} 34' 22.6''$
 $L = 1,577.67'$
 $T = 790.47'$
 $R = 10,000.00'$
 $e = NC$

30-SEP-2008 12:20
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| | |
|-----------------------|--|
| PROJECT REFERENCE NO. | SHEET NO. |
| R-2107B | UC-5 |
| DESIGNED BY: JES | |
| DRAWN BY: JES | |
| CHECKED BY: CAB | |
| APPROVED BY: CAB | |
| REVISED: | NORTH CAROLINA DEPARTMENT OF TRANSPORTATION PROJECT SERVICES UNIT PHONE: (919) 250-4128 FAX: (919) 250-4119 UTILITY CONSTRUCTION PLANS ONLY |

-L-
 PI Sta 34+74.74
 Δ = 9° 02' 21.7" (LT)
 D = 0° 34' 22.6"
 L = 1577.67'
 T = 790.47'
 R = 10,000.00'
 e = NC D. W. HURLEY
 DB 163 PG 7
 PC A SLIDE 50

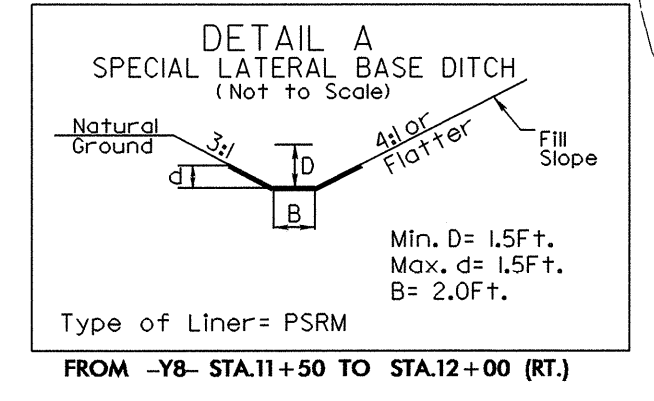
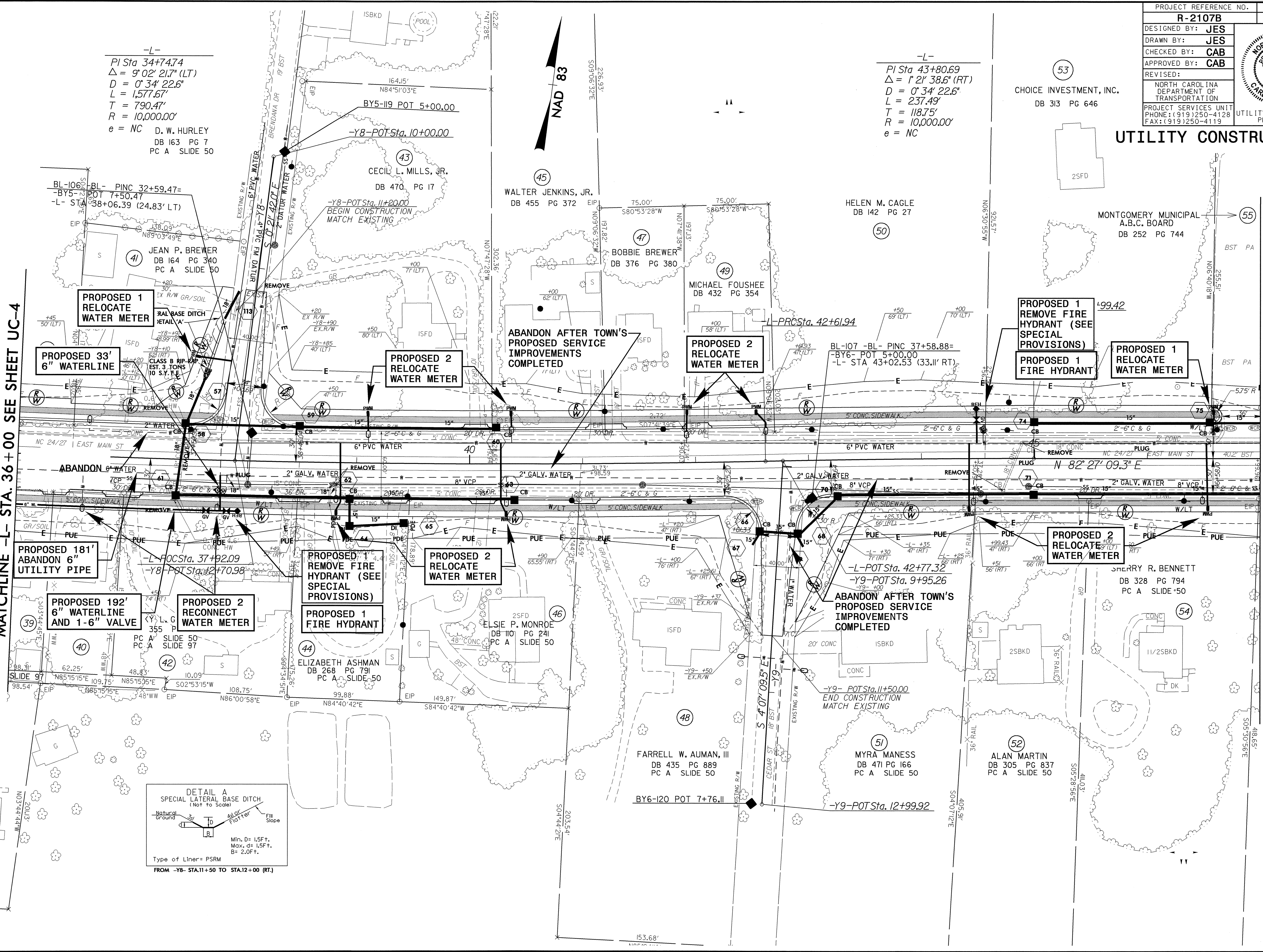
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 PI Sta 43+80.69
 Δ = 1° 21' 38.6" (RT)
 D = 0° 34' 22.6"
 L = 237.49'
 T = 118.75'
 R = 10,000.00'
 e = NC

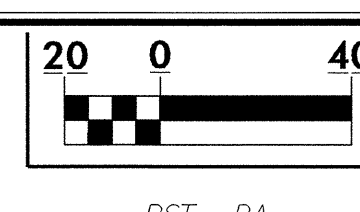
(53)
 CHOICE INVESTMENT, INC.
 DB 313 PG 646

UTILITY CONSTRUCTION

MATCHLINE -L- STA. 36 + 00 SEE SHEET UC-4

MATCHLINE -L- STA. 47 + 00 SEE SHEET UC-6



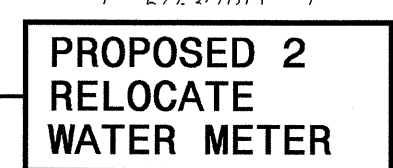
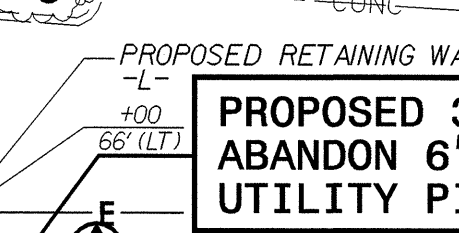
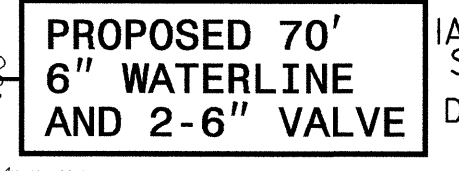
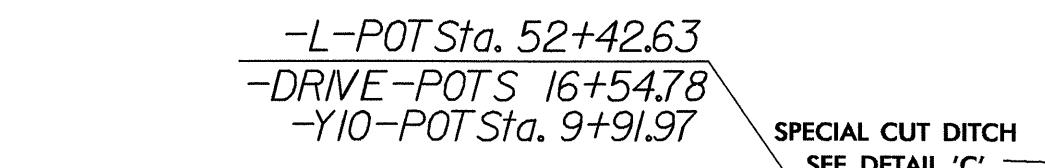
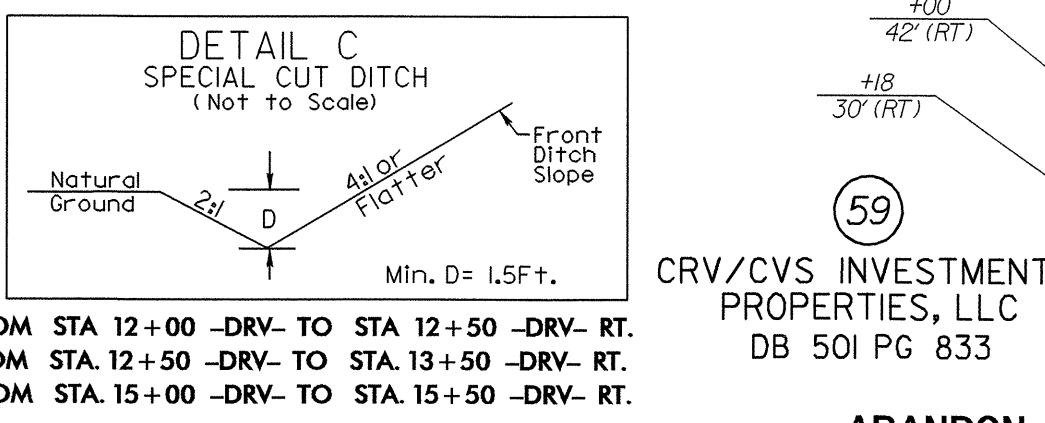
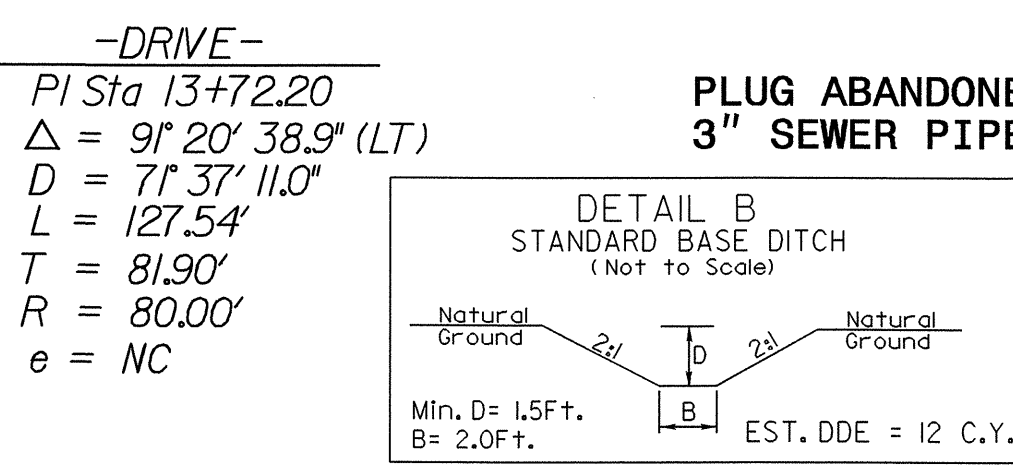
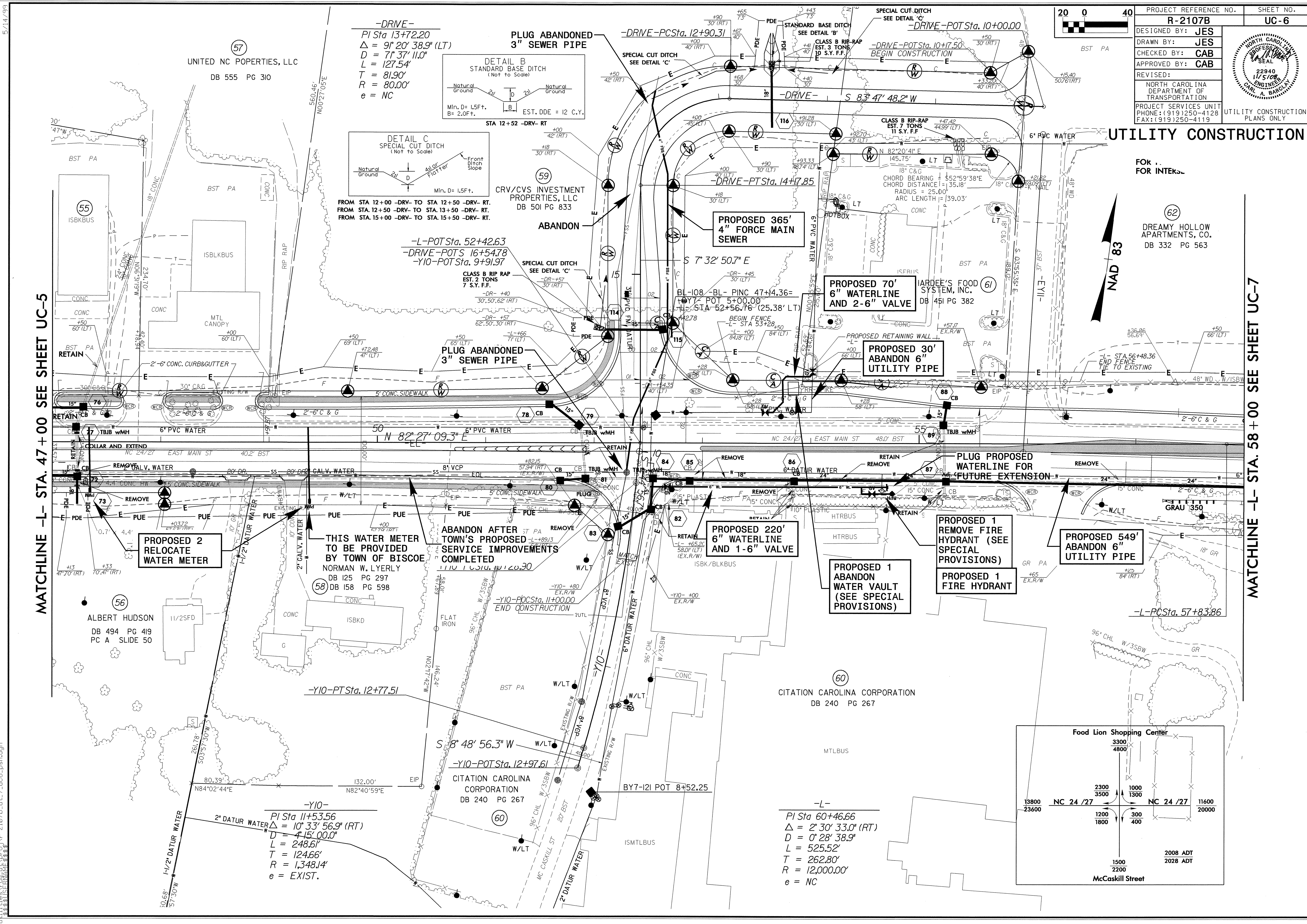


BST PA
NAD 83

UTILITY CONSTRUCTION

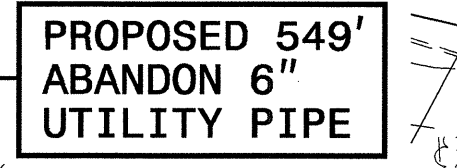
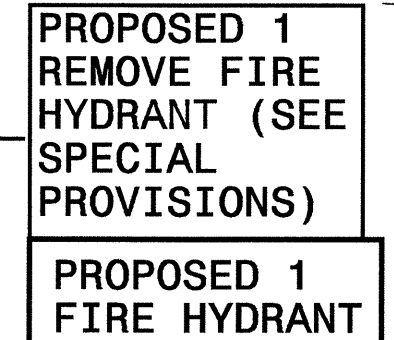
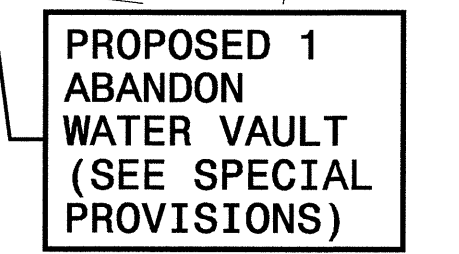
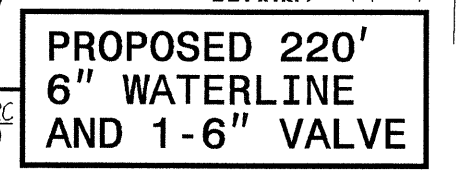
FOR INTERSECTION

(62) DREAMY HOLLOW APARTMENTS, CO.
DB 332 PG 563



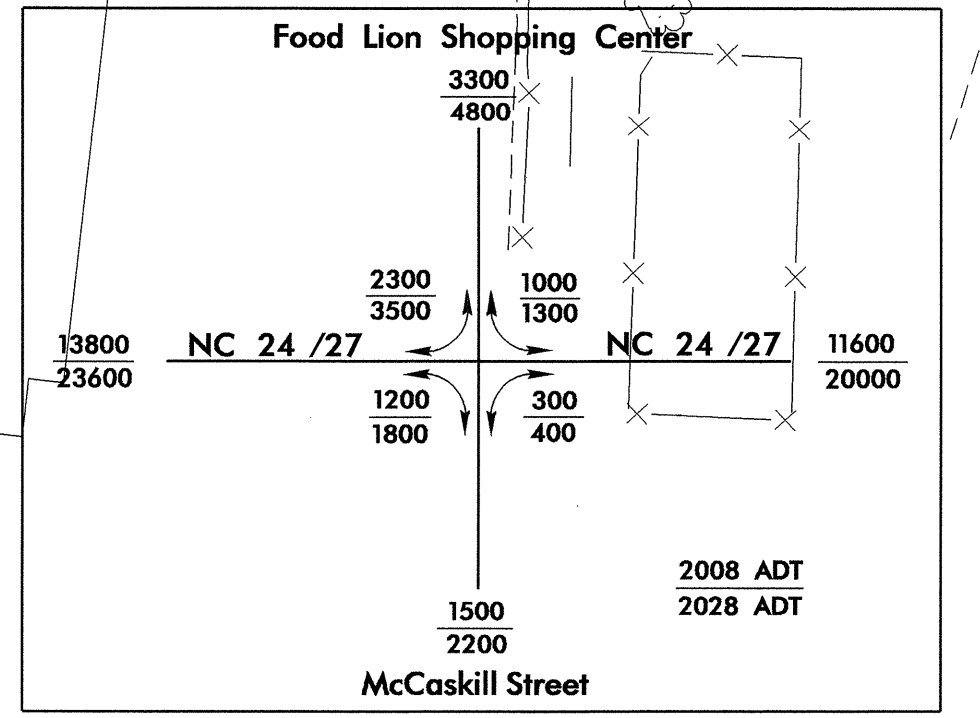
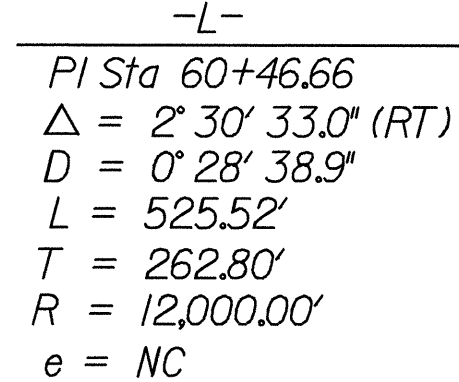
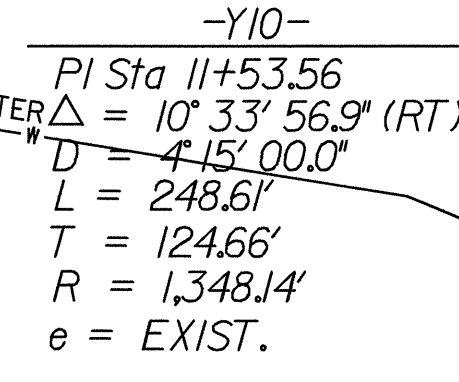
THIS WATER METER TO BE PROVIDED BY TOWN OF BISCOE NORMAN W. LYERLY
DB 125 PG 297
DB 158 PG 598

ABANDON AFTER TOWN'S PROPOSED SERVICE IMPROVEMENTS COMPLETED
1110 10310, 112030



MATCHLINE -L- STA. 47+00 SEE SHEET UC-5

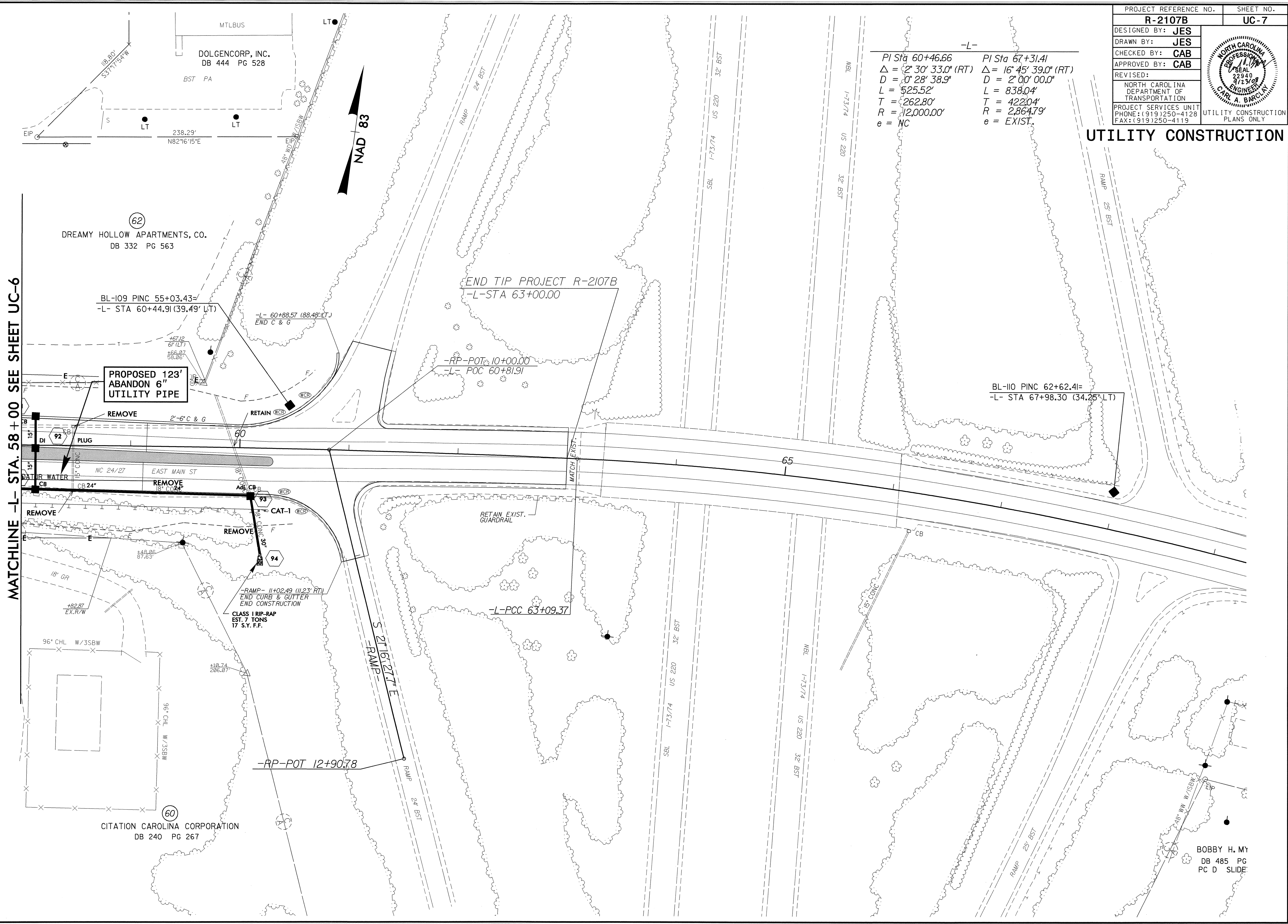
MATCHLINE -L- STA. 58+00 SEE SHEET UC-7



| | |
|--|-------------|
| PROJECT REFERENCE NO. | SHEET NO. |
| R-2107B | UC-7 |
| DESIGNED BY: JES | |
| DRAWN BY: JES | |
| CHECKED BY: CAB | |
| APPROVED BY: CAB | |
| REVISED: | |
| NORTH CAROLINA DEPARTMENT OF TRANSPORTATION PROJECT SERVICES UNIT PHONE: (919)250-4128 FAX: (919)250-4119 | |
| UTILITY CONSTRUCTION PLANS ONLY | |

-L-

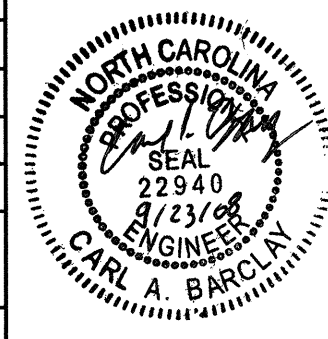
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|-------------------------------|--------------------------------|
| PI Sta 60+46.66 | PI Sta 67+31.41 |
| $\Delta = 2' 30' 33.0''$ (RT) | $\Delta = 16' 45' 39.0''$ (RT) |
| $D = 0' 28' 38.9''$ | $D = 2' 00' 00.0''$ |
| $L = 525.52'$ | $L = 838.04'$ |
| $T = 262.80'$ | $T = 422.04'$ |
| $R = 12,000.00'$ | $R = 2,864.79'$ |
| $e = NC$ | $e = EXIST.$ |



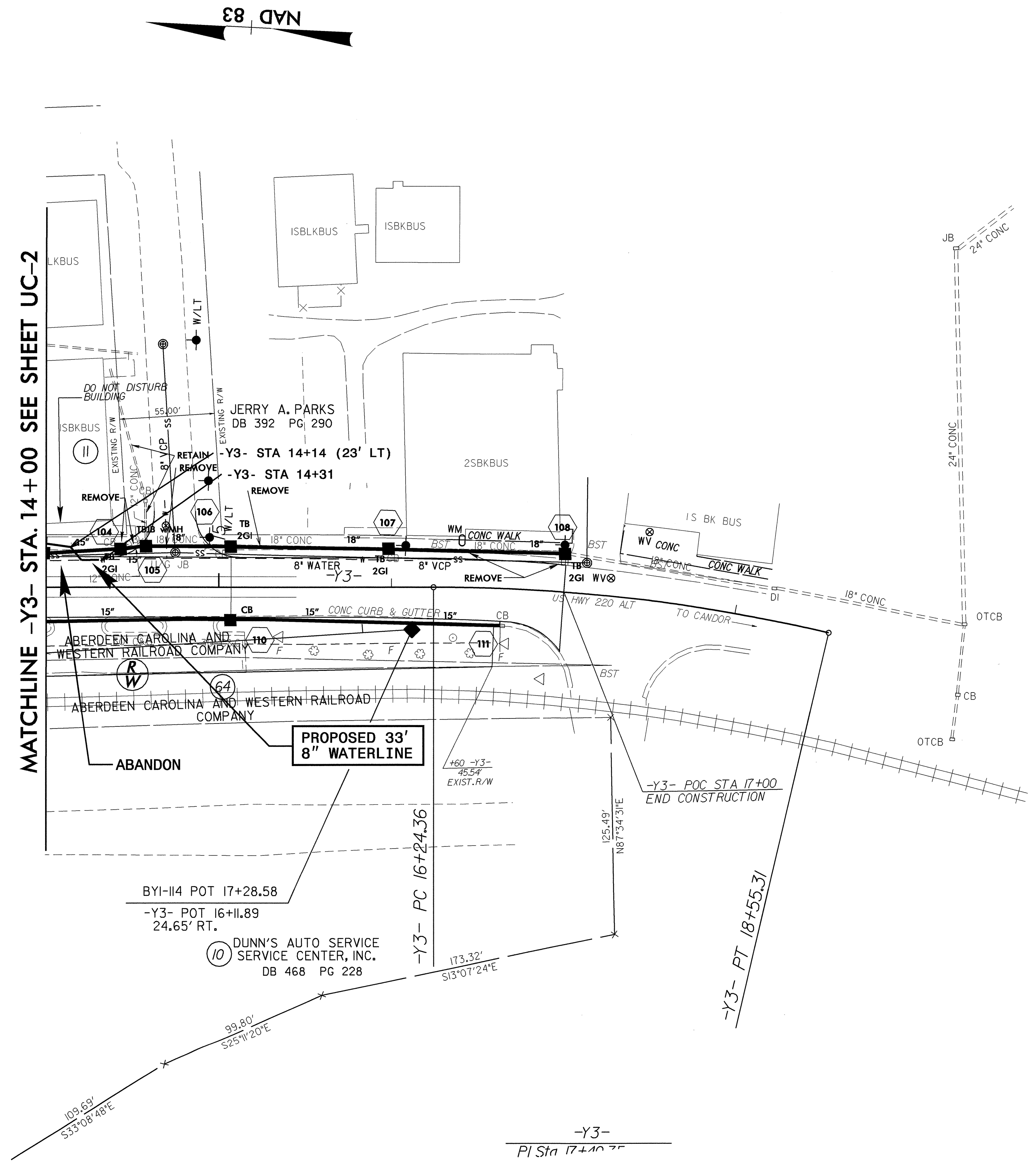
MATCHLINE -L- STA. 58+00 SEE SHEET UC-6

5/14/99
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BOBBY H. MY
DB 485 PG
PC D SLIDE

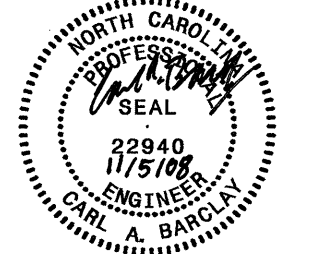
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|---|---|
| PROJECT REFERENCE NO. | SHEET NO. |
| R-2107B | UC-8 |
| DESIGNED BY: |  |
| DRAWN BY: | |
| CHECKED BY: | |
| APPROVED BY: | |
| REVISED: | |
| NORTH CAROLINA DEPARTMENT OF TRANSPORTATION | |
| PROJECT SERVICES UNIT PHONE: (919) 250-4128 FAX: (919) 250-4119 | |
| UTILITY CONSTRUCTION PLANS ONLY | |

UTILITY CONSTRUCTION

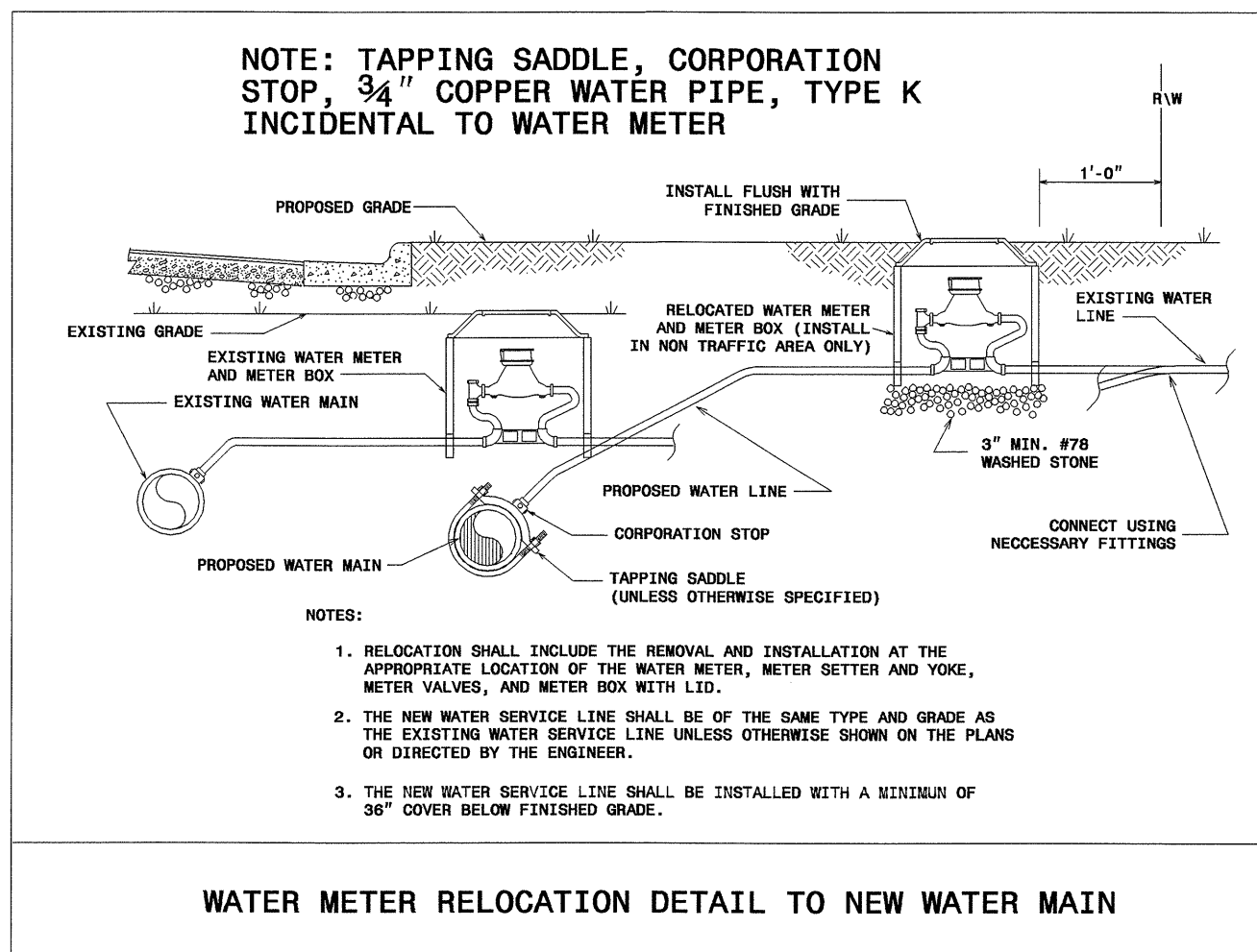
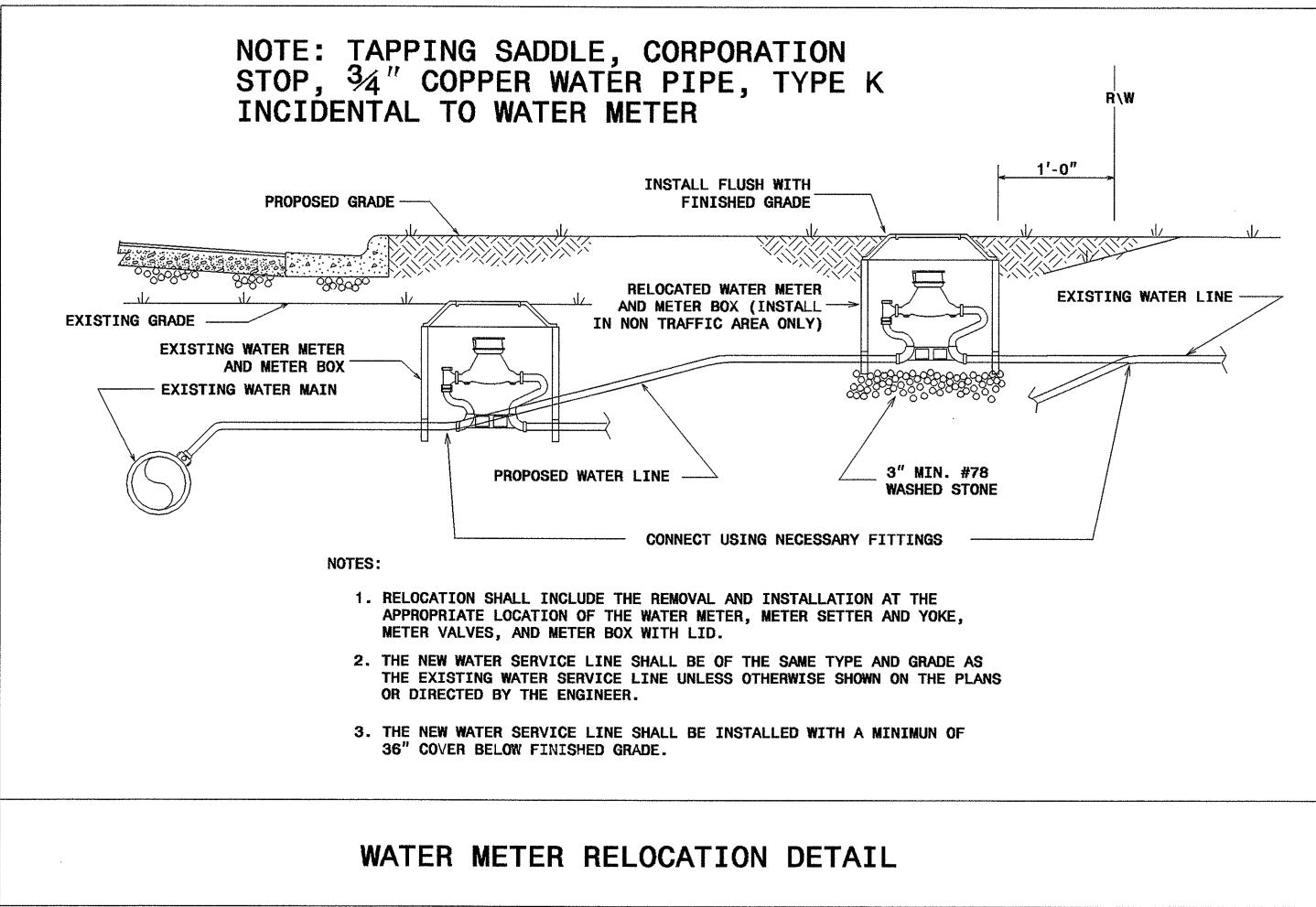


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22-SEP-2008 16:03
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DESIGNED BY:
 DRAWN BY:
 CHECKED BY:
 APPROVED BY:
 REVISED:
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 UTILITIES ENGINEERING UNIT
 PHONE: (919) 250-4128
 FAX: (919) 250-4119

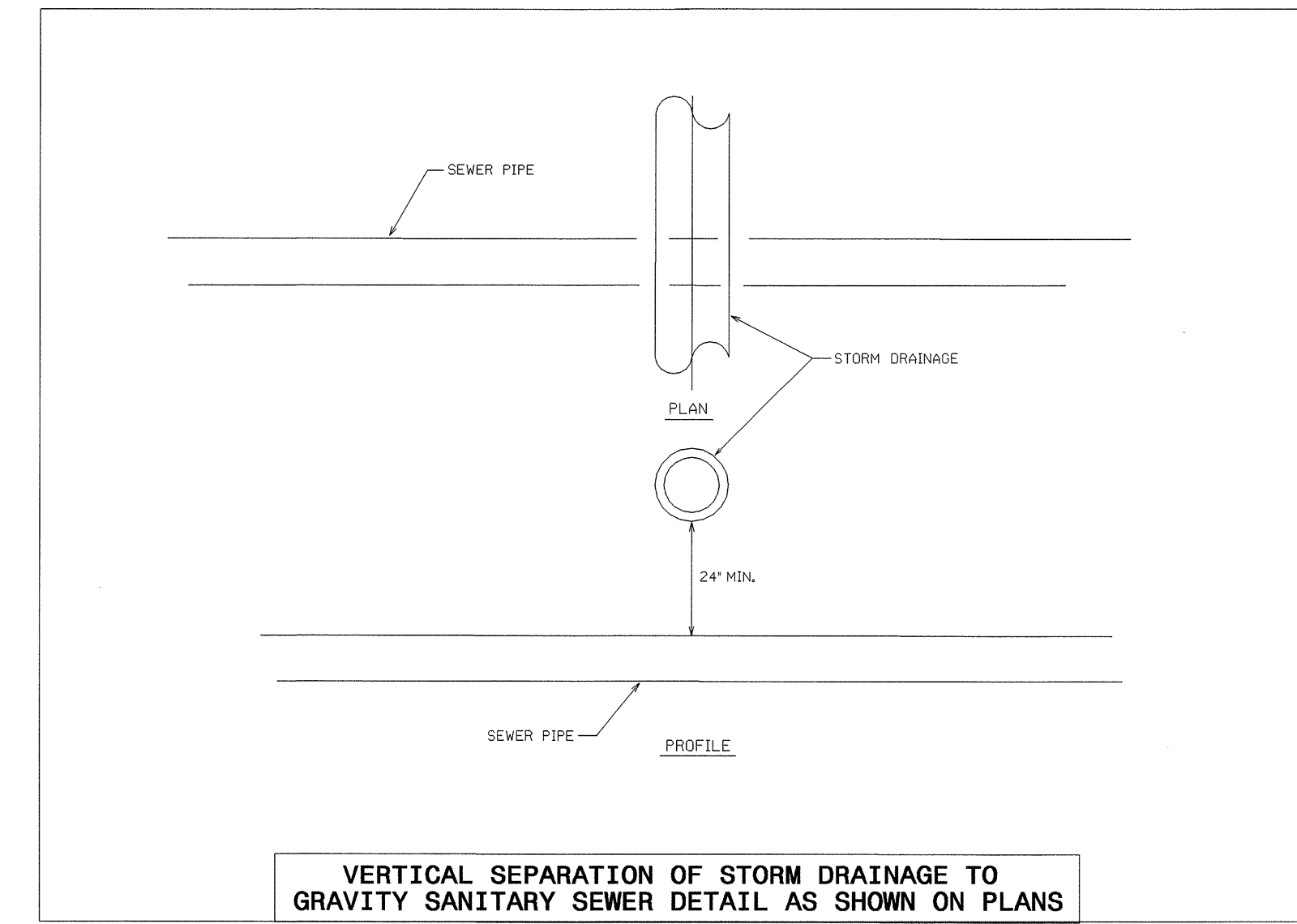
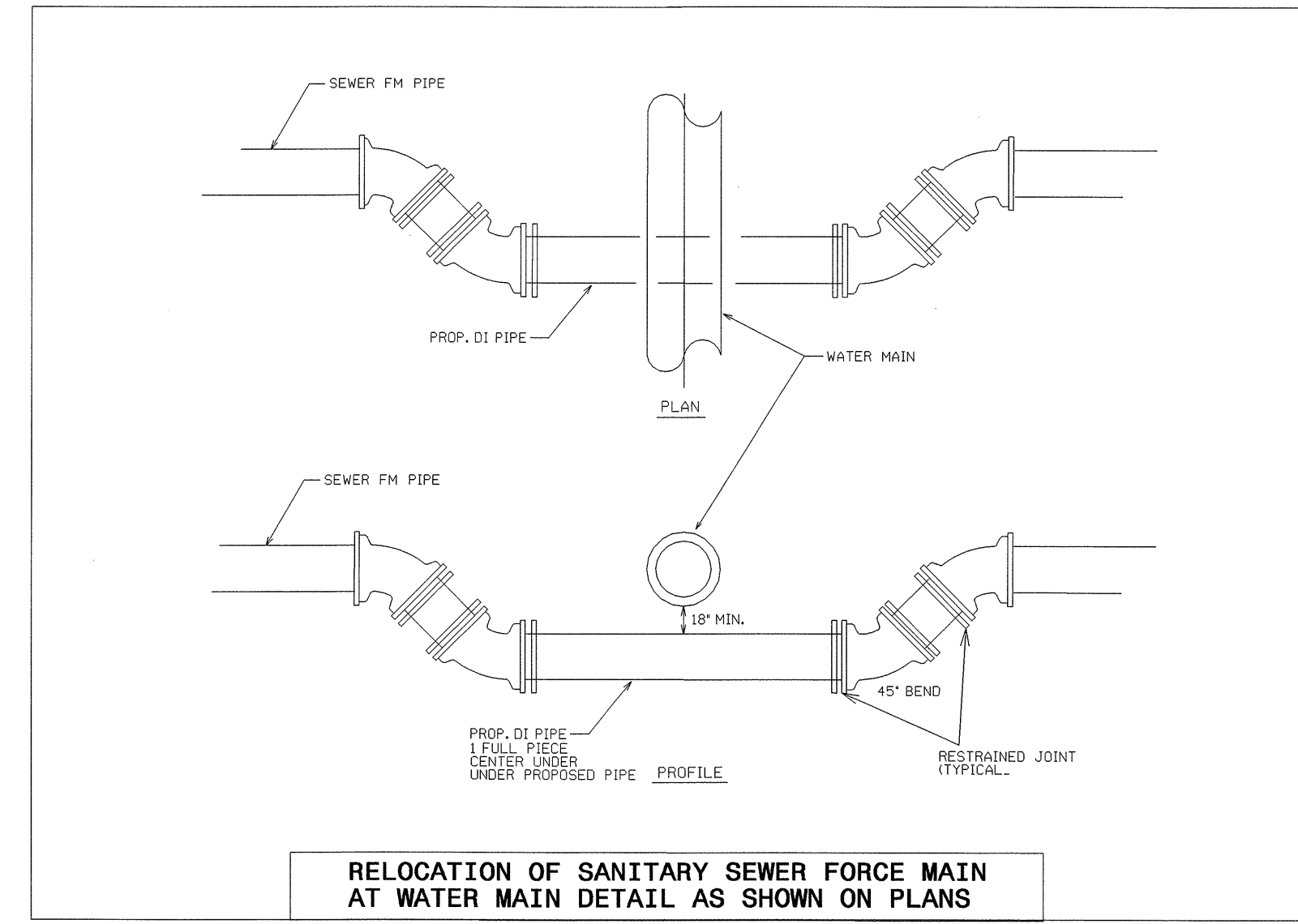
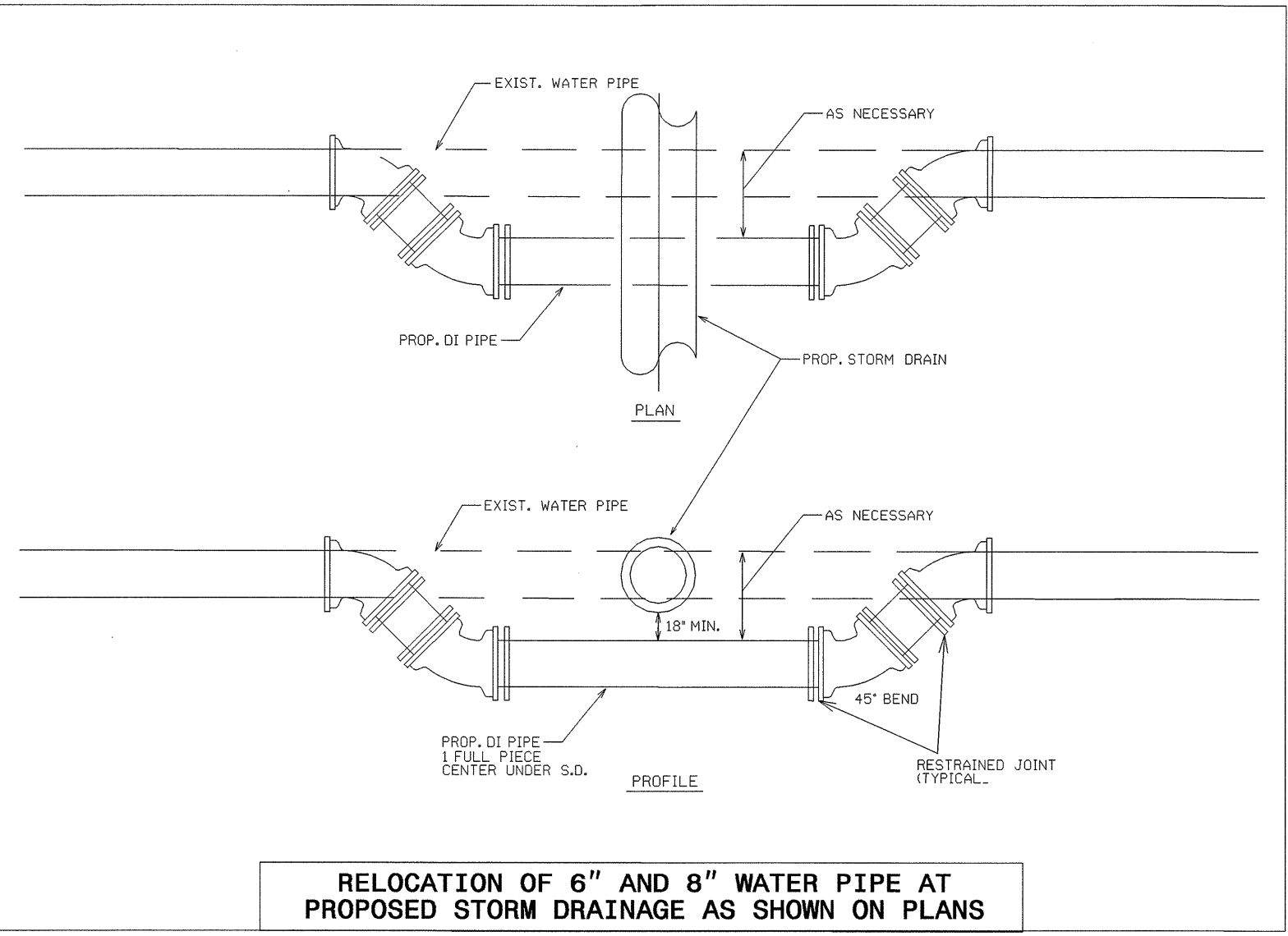
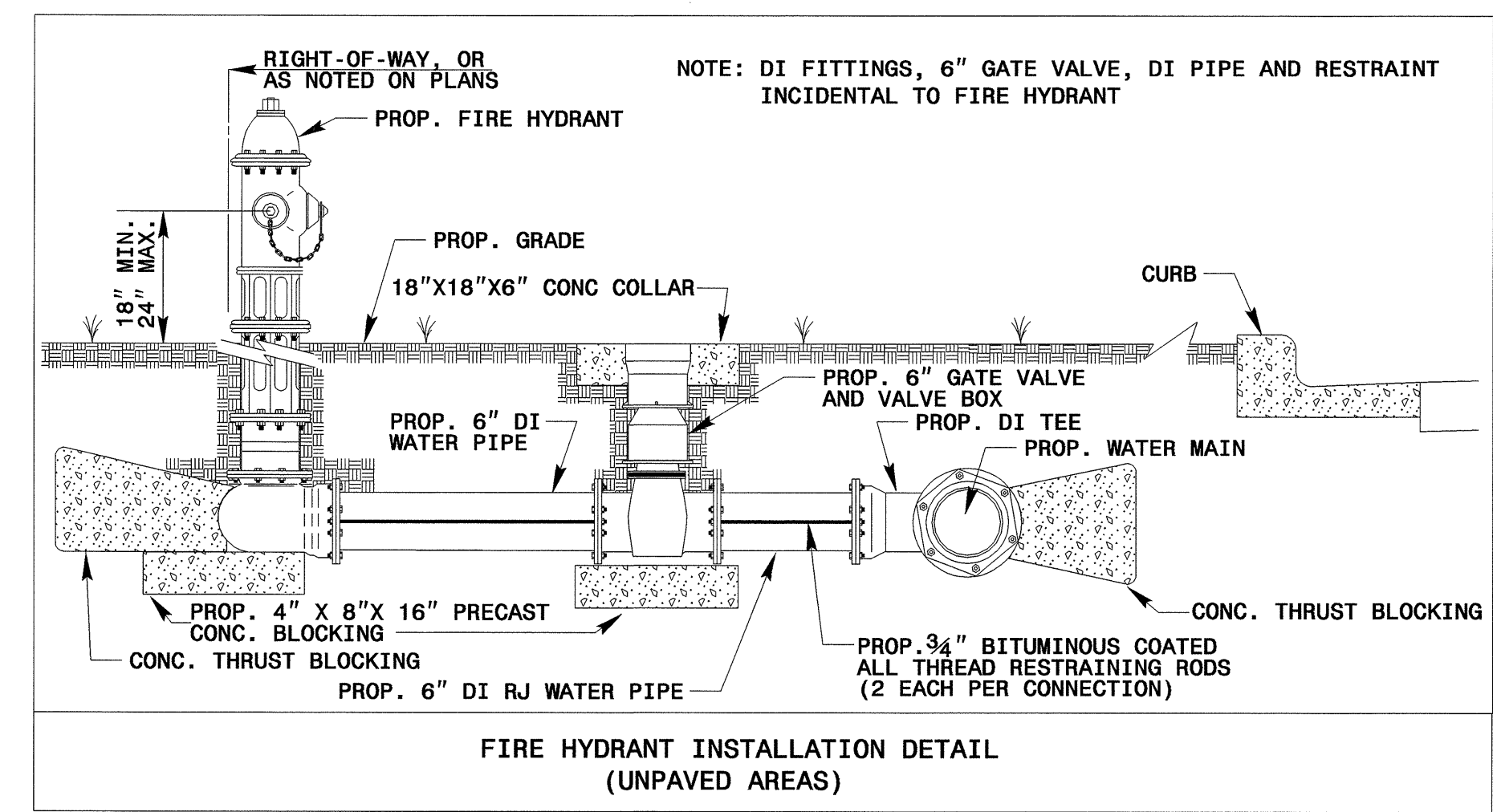
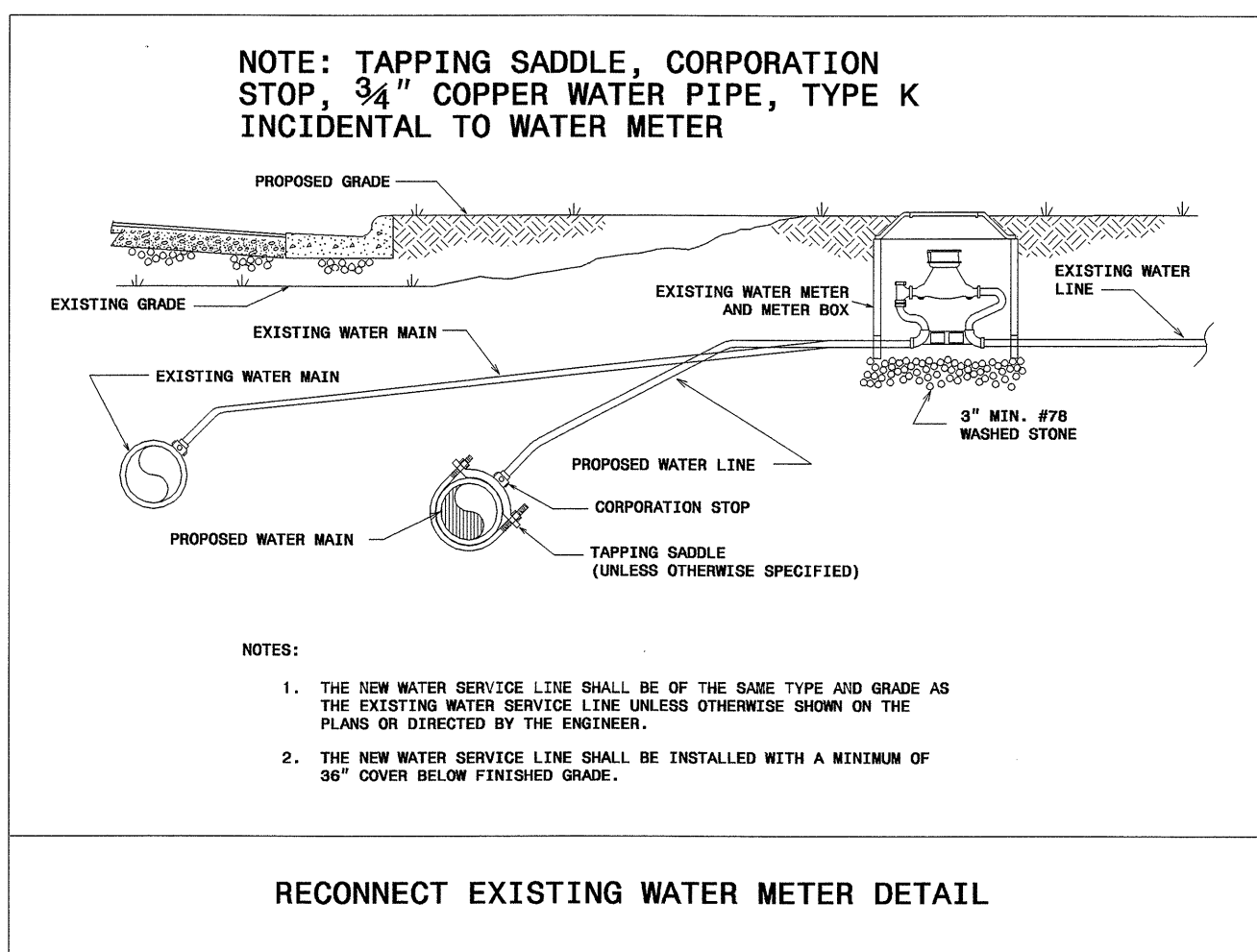
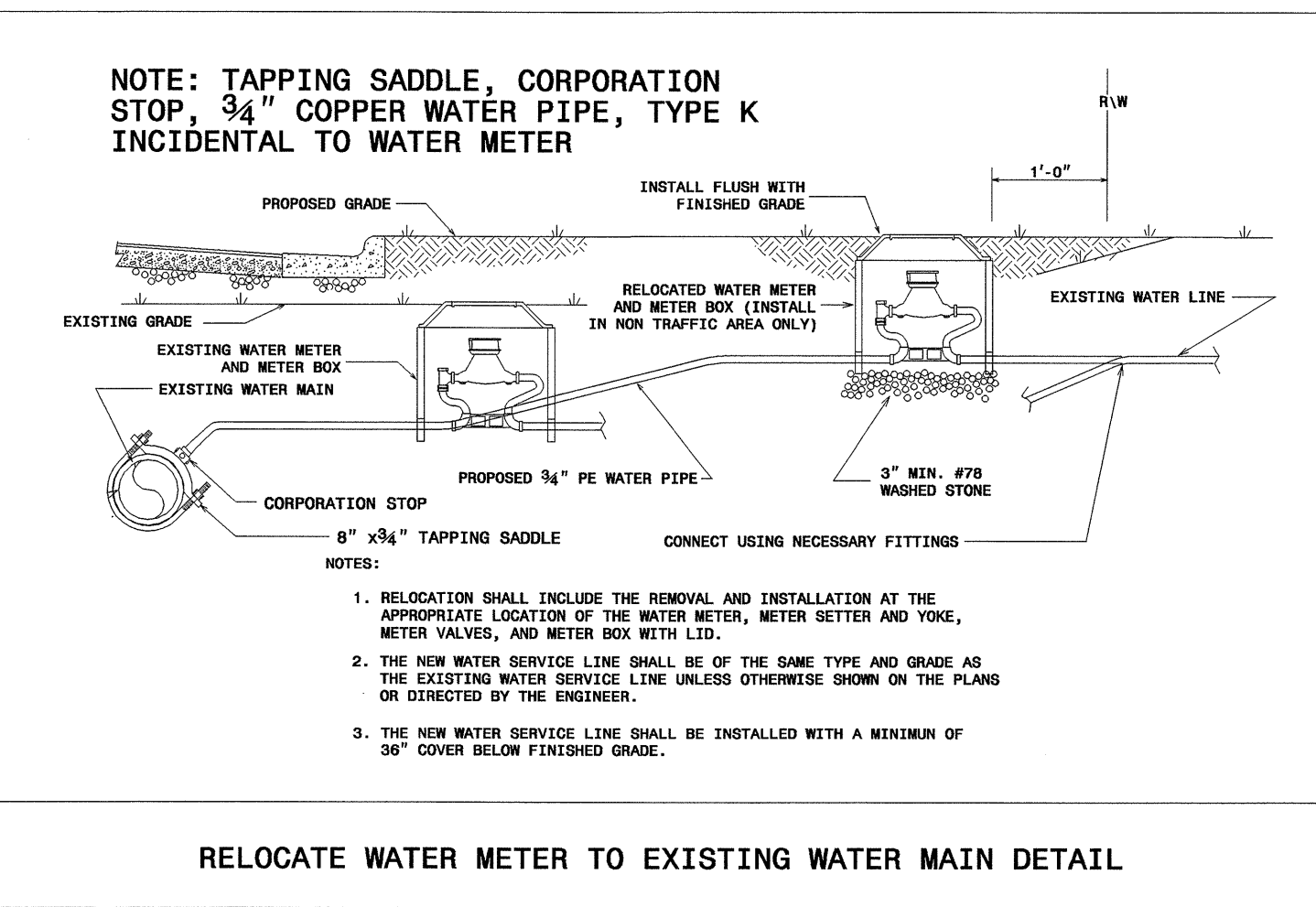


UTILITY CONSTRUCTION PLANS ONLY



MAXIMUM TRENCH WIDTH AT TOP OF PIPE

| 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 | | |



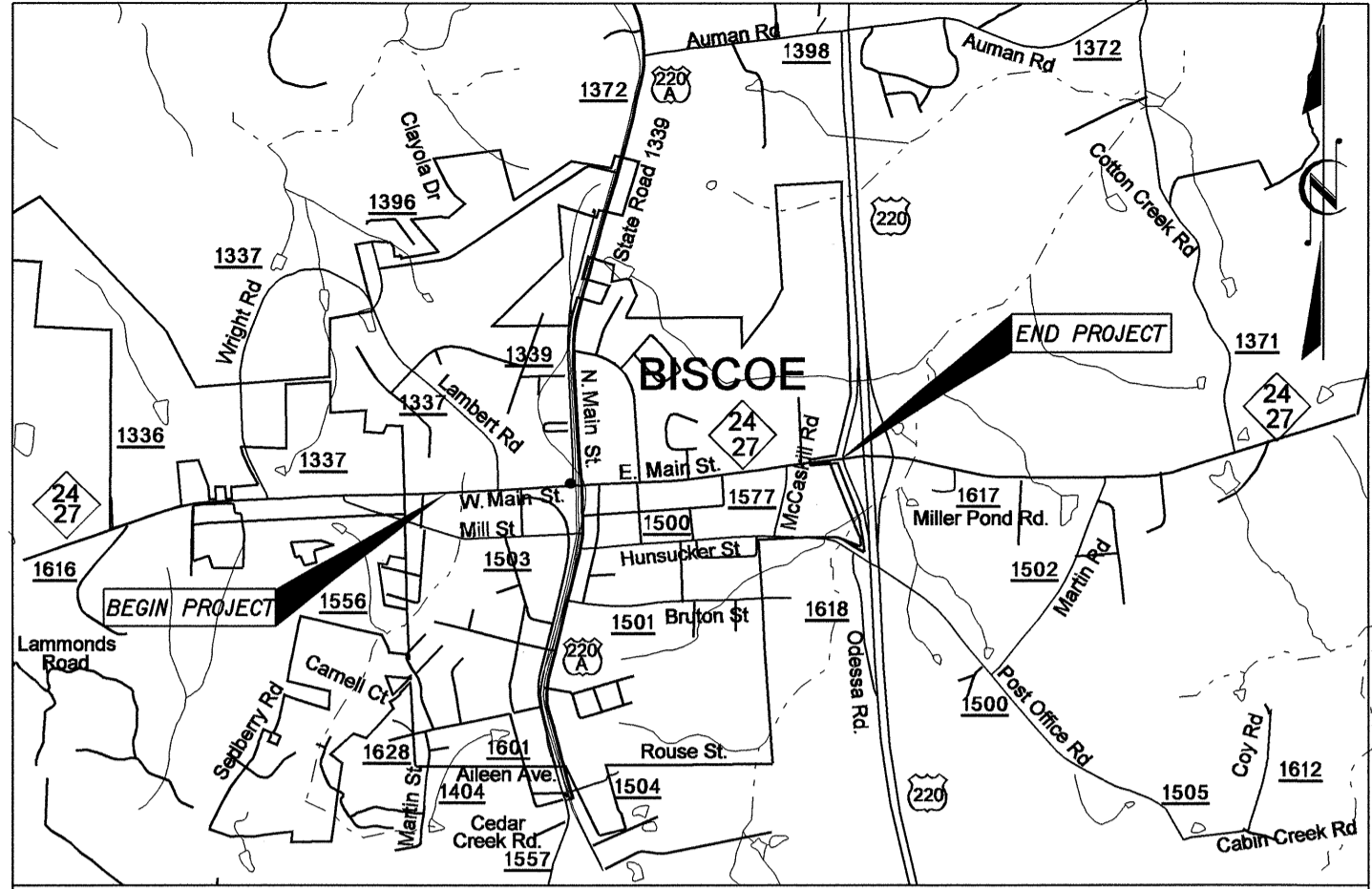
5/14/99
 03-NOV-2008 10:43
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09/08/99

See Sheet 1-A For Index of Sheets

| | |
|------------|-----------|
| T.I.P. NO. | SHEET NO. |
| R-2107B | UO-1 |

TIP PROJECT: R-2107B



VICINITY MAP

THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARY OF BISCOE.

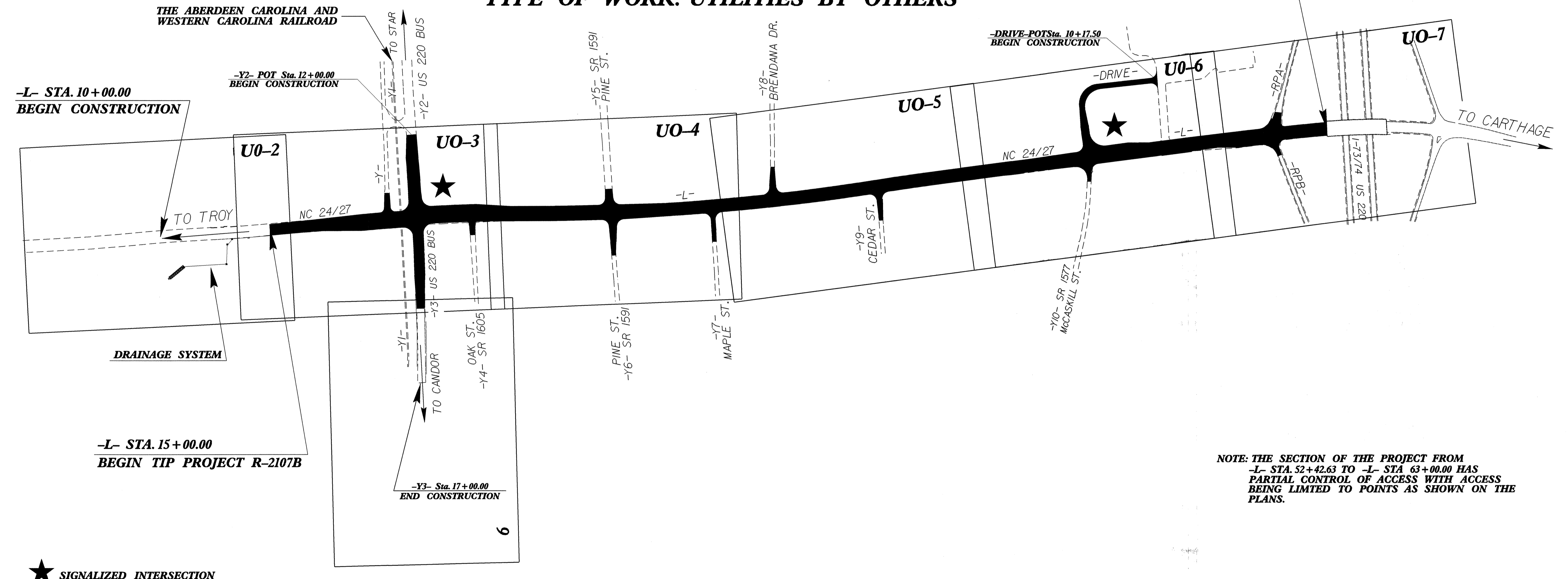
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

**UTILITIES BY OTHERS PLANS
MONTGOMERY COUNTY**

LOCATION: NC 24-27 (EAST MAIN ST.) FROM
US 220A (MAIN ST.) TO I-73/74/US 220

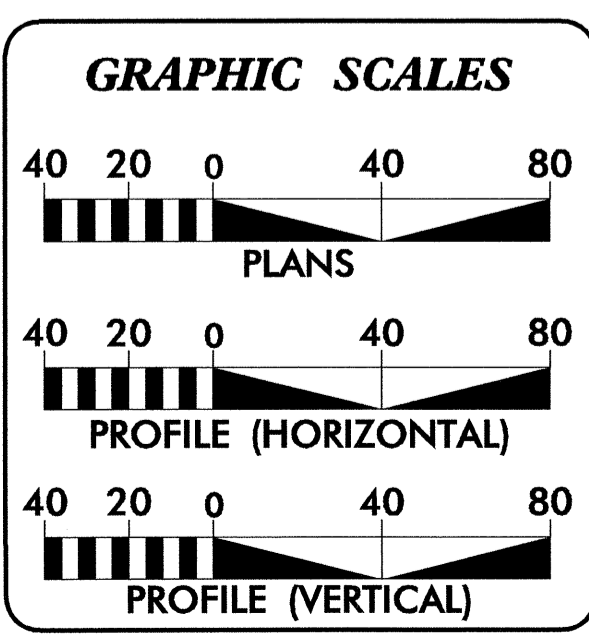
-L- STA. 63+00.00 END TIP PROJECT R-2107B

TYPE OF WORK: UTILITIES BY OTHERS



NOTE: THE SECTION OF THE PROJECT FROM
-L- STA. 52+42.63 TO -L- STA 63+00.00 HAS
PARTIAL CONTROL OF ACCESS WITH ACCESS
BEING LIMITED TO POINTS AS SHOWN ON THE
PLANS.

★ SIGNALIZED INTERSECTION



INDEX OF SHEETS

| SHEET NO. | DESCRIPTION |
|----------------|---------------------------------|
| UO-1 | TITLE SHEET |
| UO-2 THRU UO-7 | UTILITIES BY OTHERS PLAN SHEETS |

UTILITY OWNERS ON PROJECT

- TELEPHONE - EMBARQ
- POWER DISTRIBUTION - PROGRESS ENERGY
- CABLEVISION - TIME WARNER CABLE

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

19-SEP-2008 10:41
C:\p11111\proj\19-2107b_ut_title_uol_psh.dgn
USER:NAME

UTILITIES BY OTHERS

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

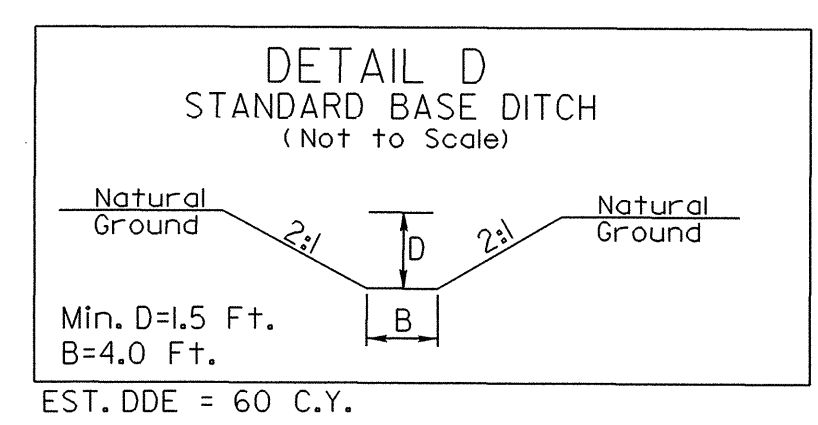
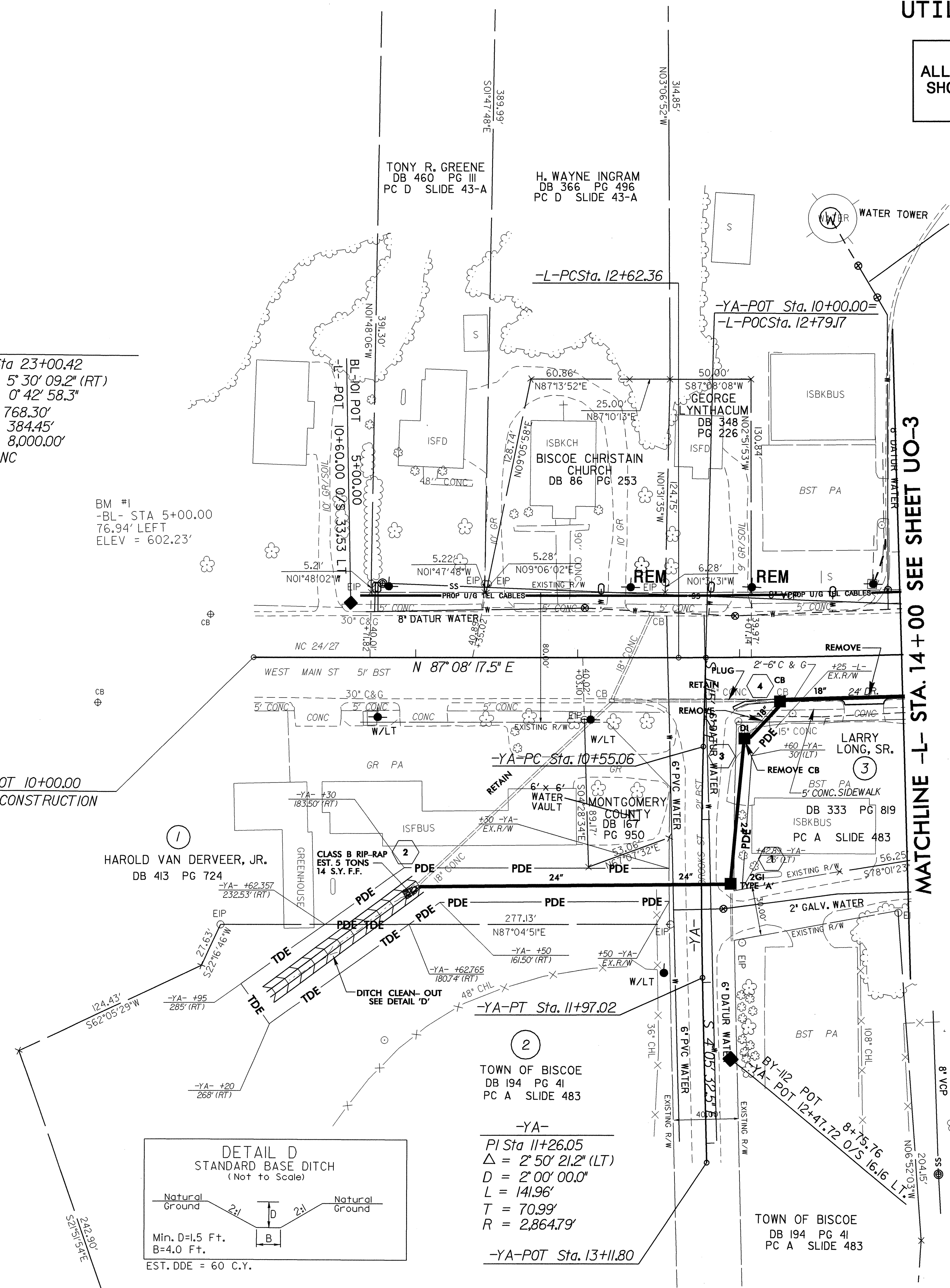
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-L-
 PI Sta 13+71.88 PI Sta 23+00.42
 $\Delta = 2^{\circ}30'34.4''$ (LT) $\Delta = 5^{\circ}30'09.2''$ (RT)
 $D = 1^{\circ}08'45.3''$ $D = 0^{\circ}42'58.3''$
 $L = 219.00'$ $L = 768.30'$
 $T = 109.52'$ $T = 384.45'$
 $R = 5,000.00'$ $R = 8,000.00'$
 $e = EXIST.$ $e = NC$

BM #1
 -BL- STA 5+00.00
 76.94' LEFT
 ELEV = 602.23'

-L- POT 10+00.00
 BEGIN CONSTRUCTION



2
 TOWN OF BISCOE
 DB 194 PG 41
 PC A SLIDE 483
 -YA-
 PI Sta 11+26.05
 $\Delta = 2^{\circ}50'21.2''$ (LT)
 $D = 2^{\circ}00'00.0''$
 $L = 141.96'$
 $T = 70.99'$
 $R = 2,864.79'$
 -YA-POT Sta. 13+11.80

MATCHLINE -L- STA. 14+00 SEE SHEET U0-3

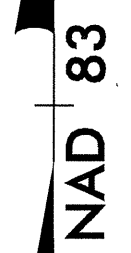
UTILITIES BY OTHERS

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

-L-
PI Sta 13+71.88
 $\Delta = 2^{\circ} 30' 34.4" (LT)$
 $D = 1^{\circ} 08' 45.3"$
 $L = 219.00'$
 $T = 109.52'$
 $R = 5,000.00'$
 $e = EXIST.$

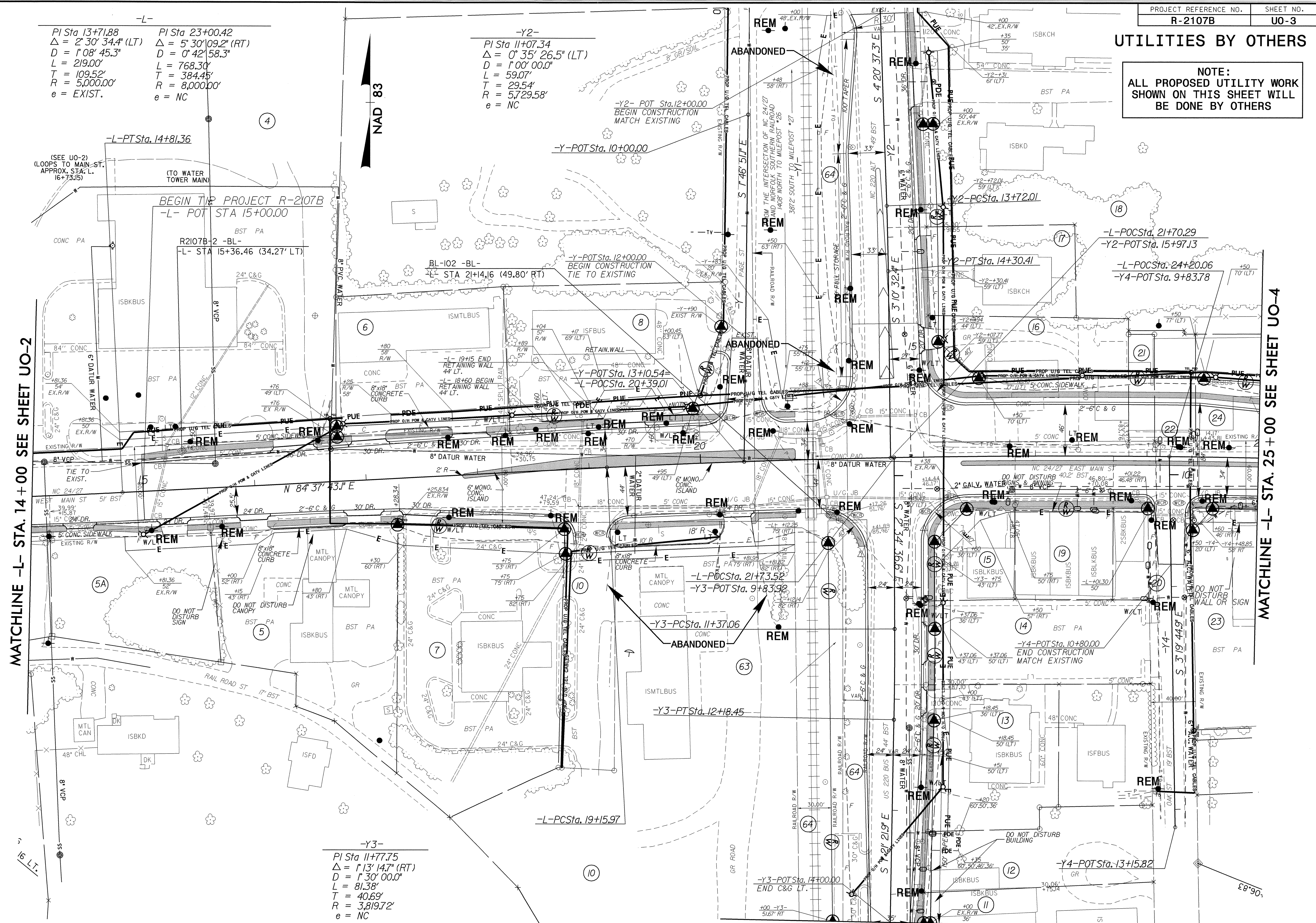
PI Sta 23+00.42
 $\Delta = 5^{\circ} 30' 09.2" (RT)$
 $D = 0^{\circ} 42' 58.3"$
 $L = 768.30'$
 $T = 384.45'$
 $R = 8,000.00'$
 $e = NC$

-Y2-
PI Sta 11+07.34
 $\Delta = 0^{\circ} 35' 26.5" (LT)$
 $D = 1^{\circ} 00' 00.0"$
 $L = 59.07'$
 $T = 29.54'$
 $R = 5,729.58'$
 $e = NC$



MATCHLINE -L- STA. 14 + 00 SEE SHEET UO-2

MATCHLINE -L- STA. 25 + 00 SEE SHEET UO-4



16' LT.

-Y3-
PI Sta 11+77.75
 $\Delta = 1^{\circ} 13' 14.7" (RT)$
 $D = 1^{\circ} 30' 00.0"$
 $L = 81.38'$
 $T = 40.69'$
 $R = 3,819.72'$
 $e = NC$

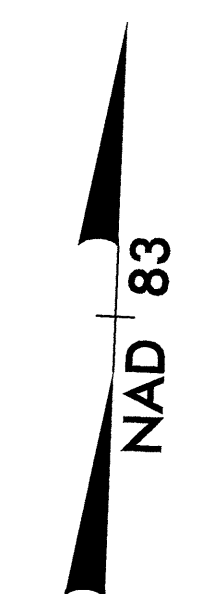
MATCHLINE -Y3- STA. 14 + 00 SEE SHEET UO-8

UTILITIES BY OTHERS

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

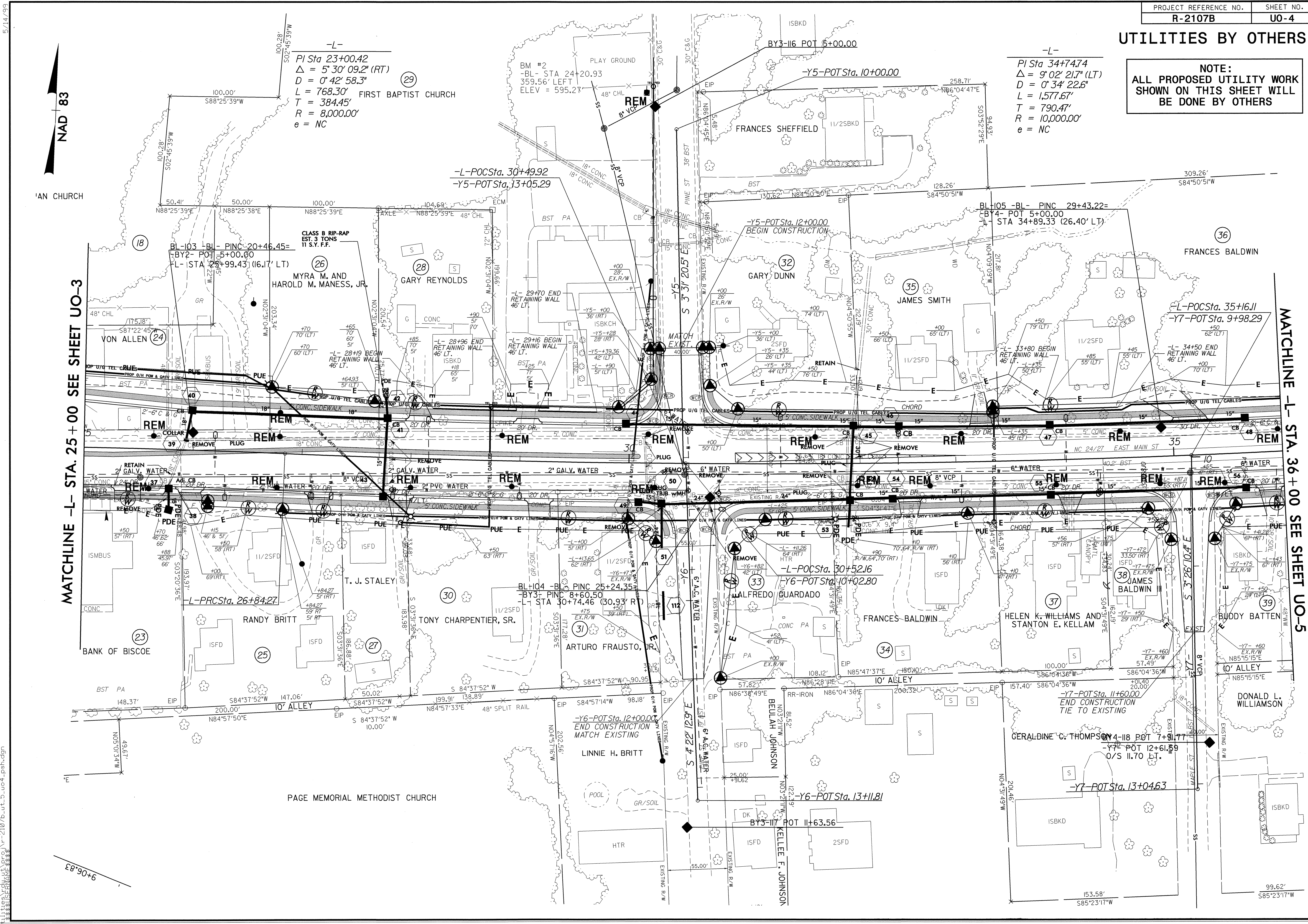
-L-
PI Sta 34+74.4
 $\Delta = 9^{\circ}02'21.7''$ (LT)
 $D = 0^{\circ}34'22.6''$
 $L = 1577.67'$
 $T = 790.47'$
 $R = 10,000.00'$
 $e = NC$

-L-
PI Sta 23+00.42
 $\Delta = 5^{\circ}30'09.2''$ (RT)
 $D = 0^{\circ}42'58.3''$
 $L = 768.30'$
 $T = 384.45'$
 $R = 8,000.00'$
 $e = NC$



MATCHLINE -L- STA. 25 + 00 SEE SHEET UO-3

MATCHLINE -L- STA. 36 + 00 SEE SHEET UO-5

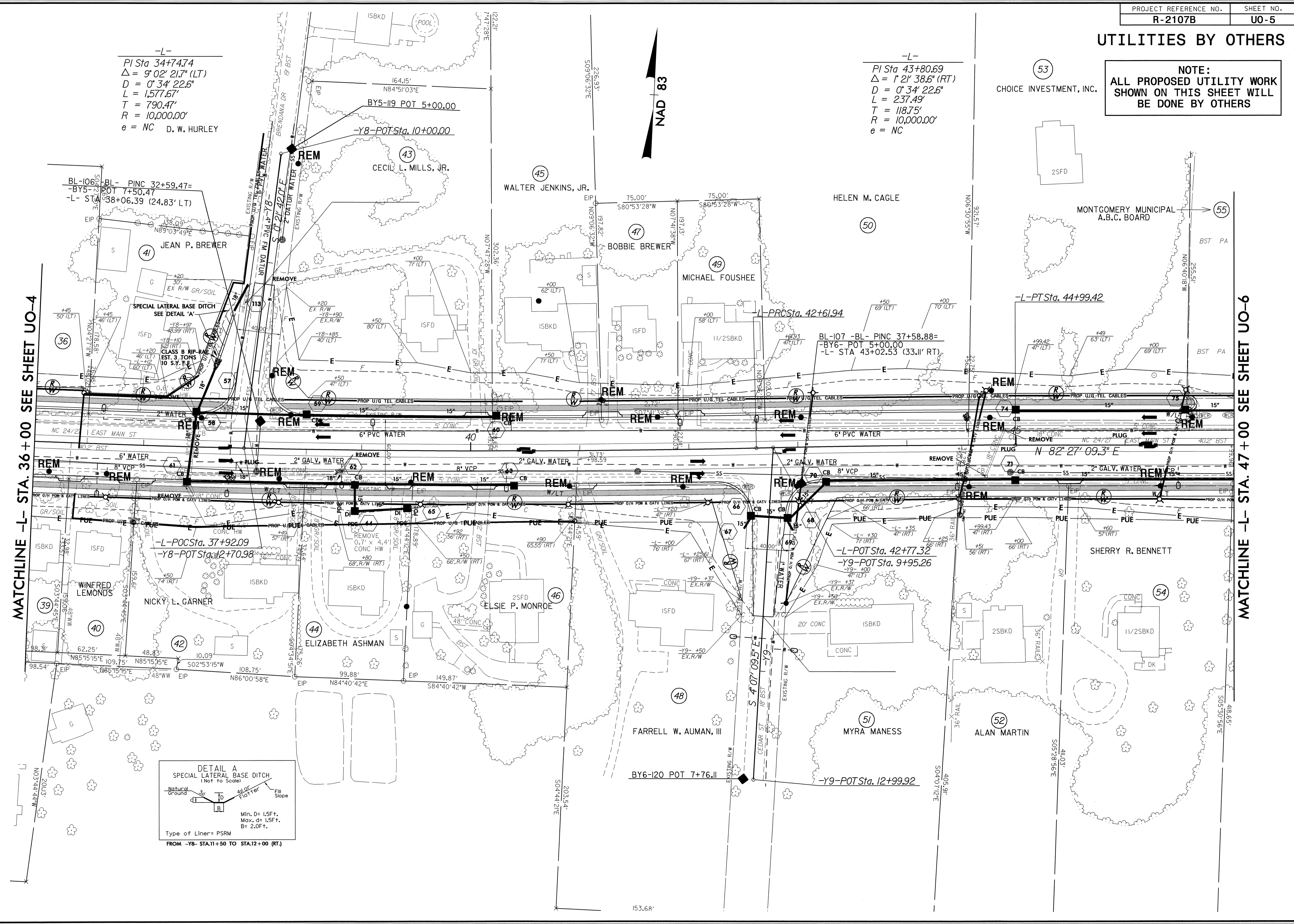


UTILITIES BY OTHERS

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

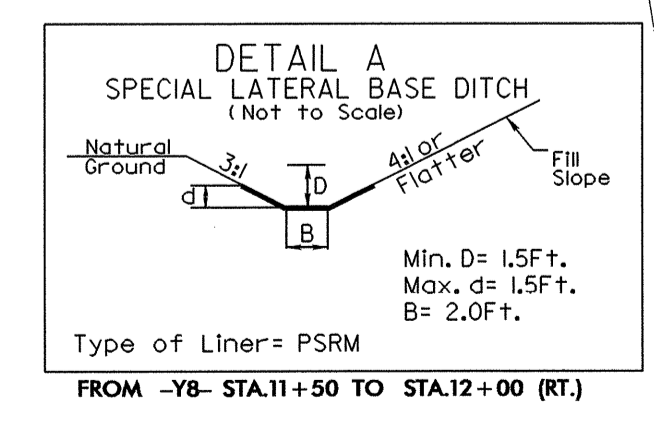
-L-
PI Sta 34+74.74
 $\Delta = 9^{\circ}02'21.7''$ (LT)
 $D = 0^{\circ}34'22.6''$
 $L = 1,577.67'$
 $T = 790.47'$
 $R = 10,000.00'$
 $e = NC$ D. W. HURLEY

-L-
PI Sta 43+80.69
 $\Delta = 1^{\circ}21'38.6''$ (RT)
 $D = 0^{\circ}34'22.6''$
 $L = 237.49'$
 $T = 118.75'$
 $R = 10,000.00'$
 $e = NC$



MATCHLINE -L- STA. 36 + 00 SEE SHEET UO-4

MATCHLINE -L- STA. 47 + 00 SEE SHEET UO-6



Min. D= 1.5Ft.
Max. D= 1.5Ft.
B= 2.0Ft.
Type of Liner= PSRM
FROM -Y8- STA.11+50 TO STA.12+00 (RT)

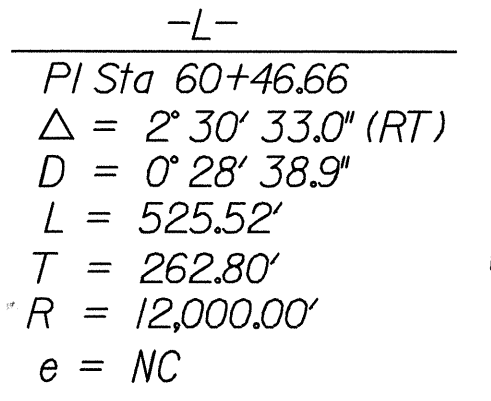
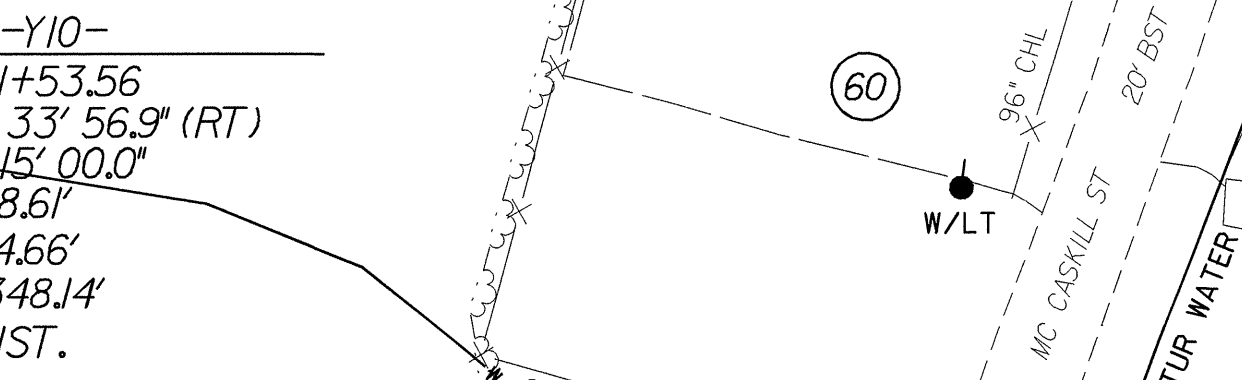
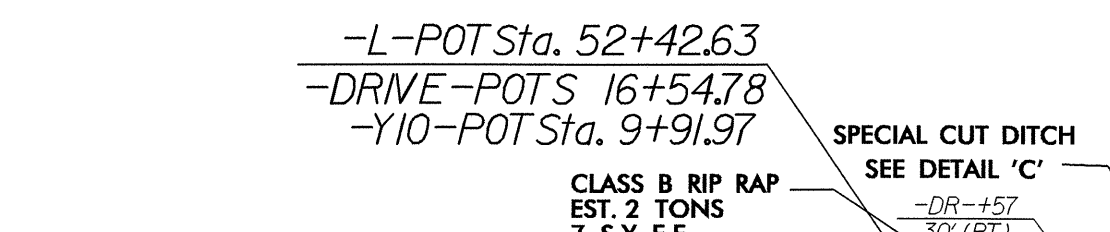
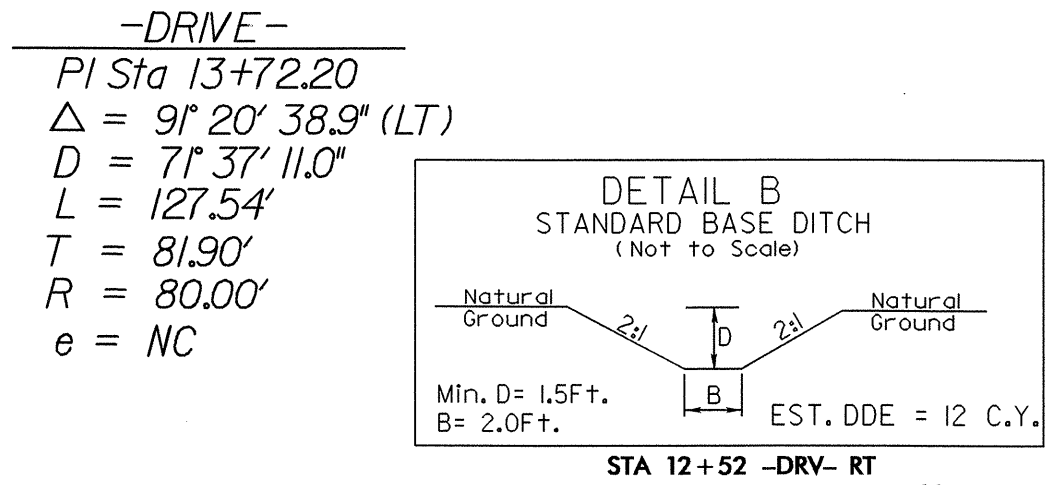
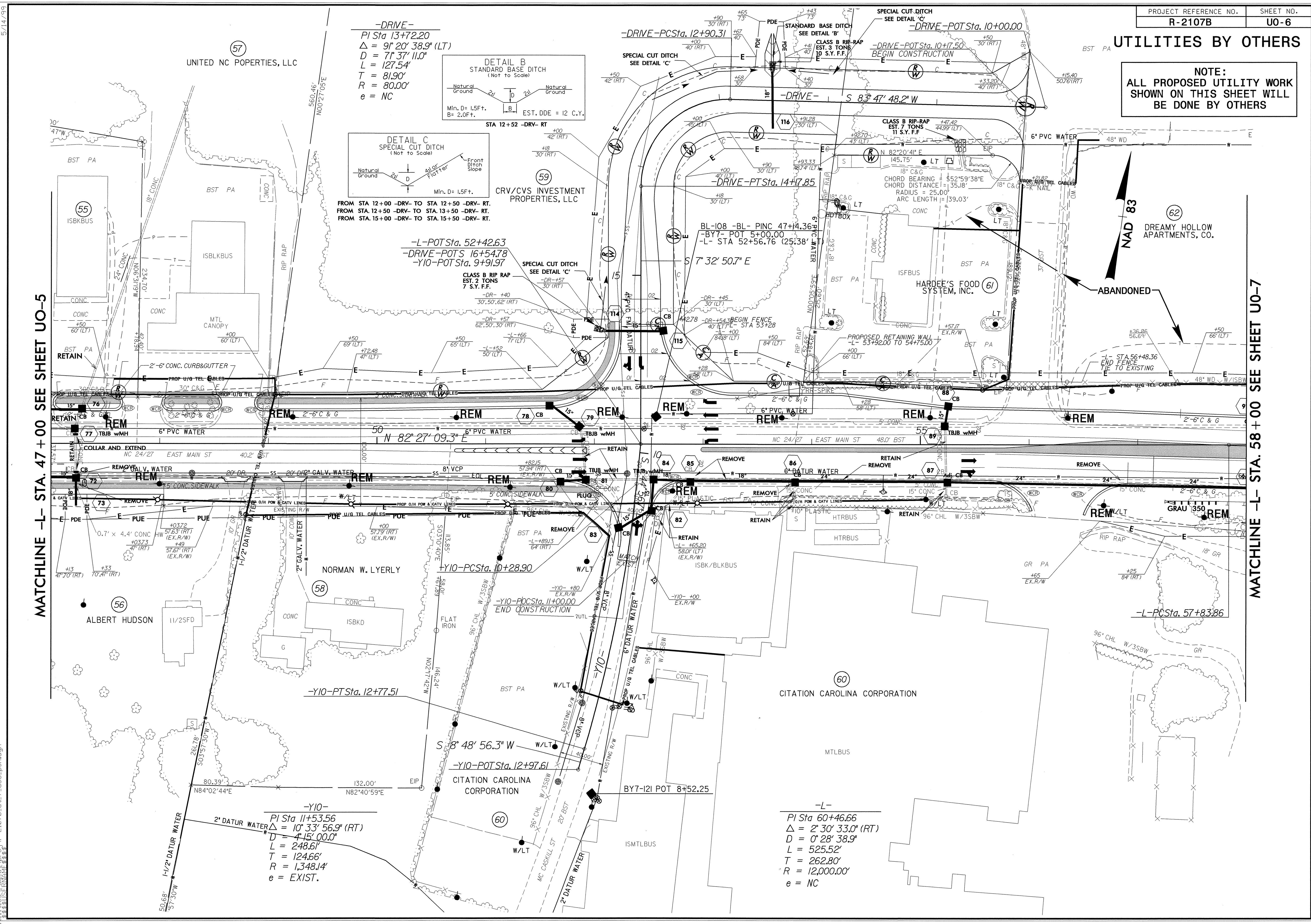
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UTILITIES BY OTHERS

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

MATCHLINE -L- STA. 47+00 SEE SHEET UO-5

MATCHLINE -L- STA. 58+00 SEE SHEET UO-7

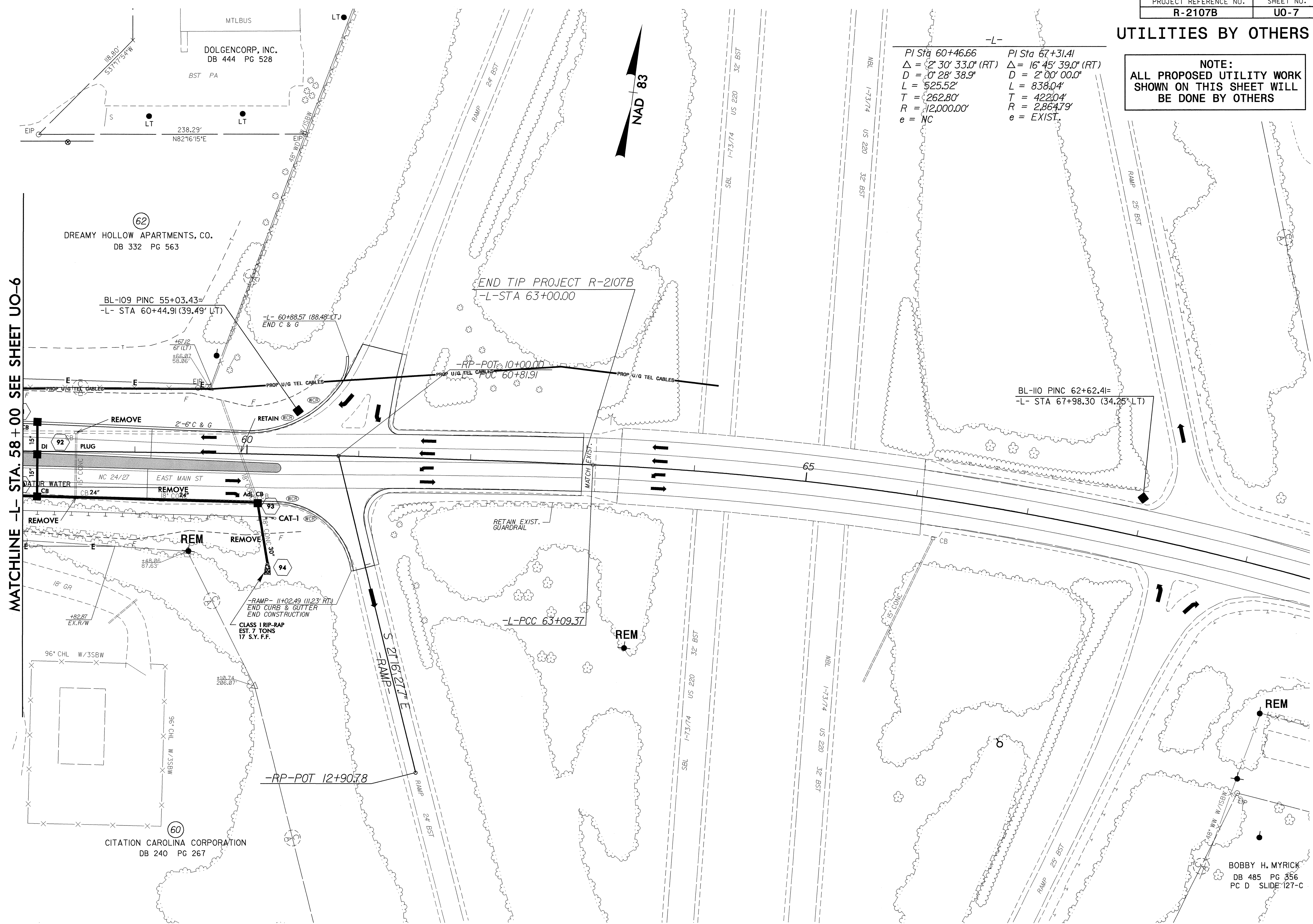
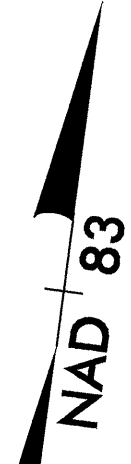


19-SEP-2008 16:04
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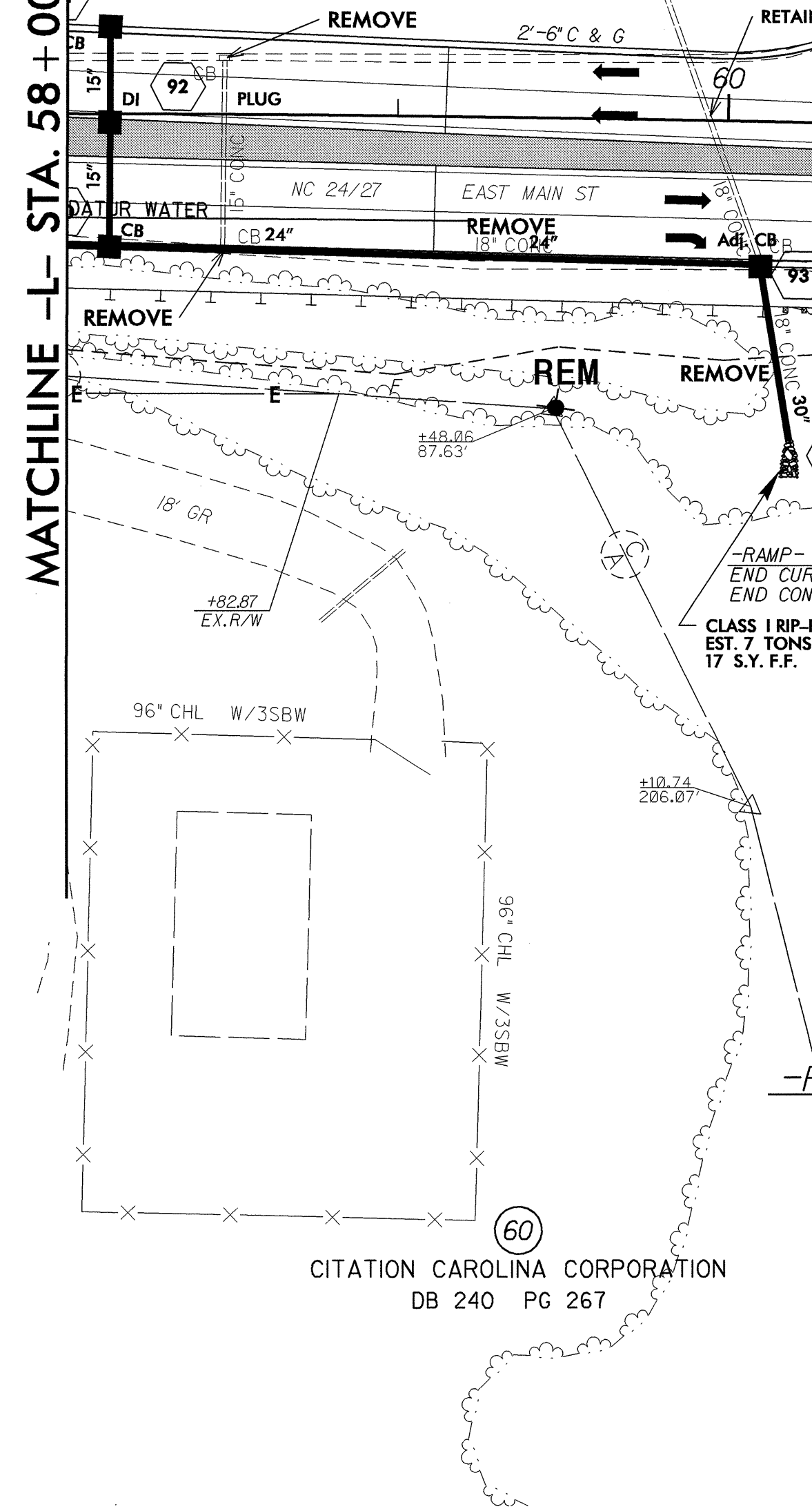
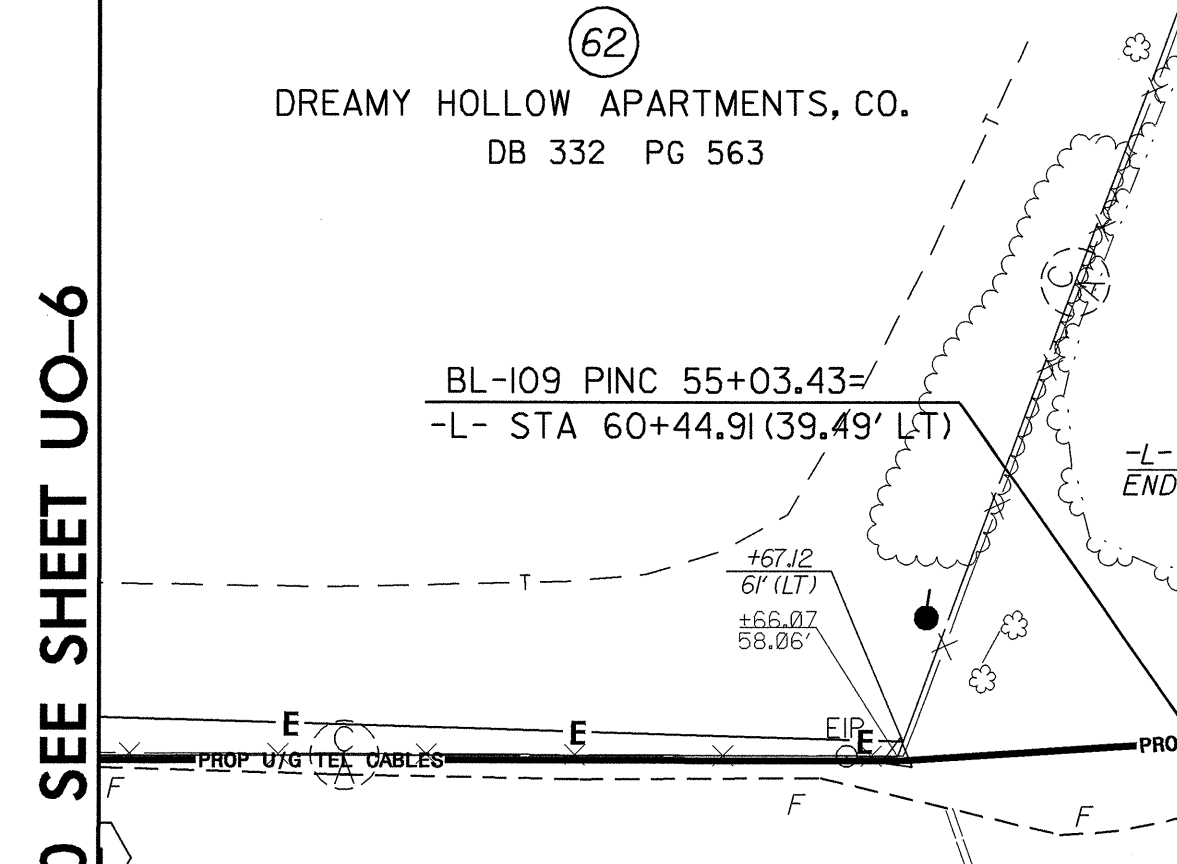
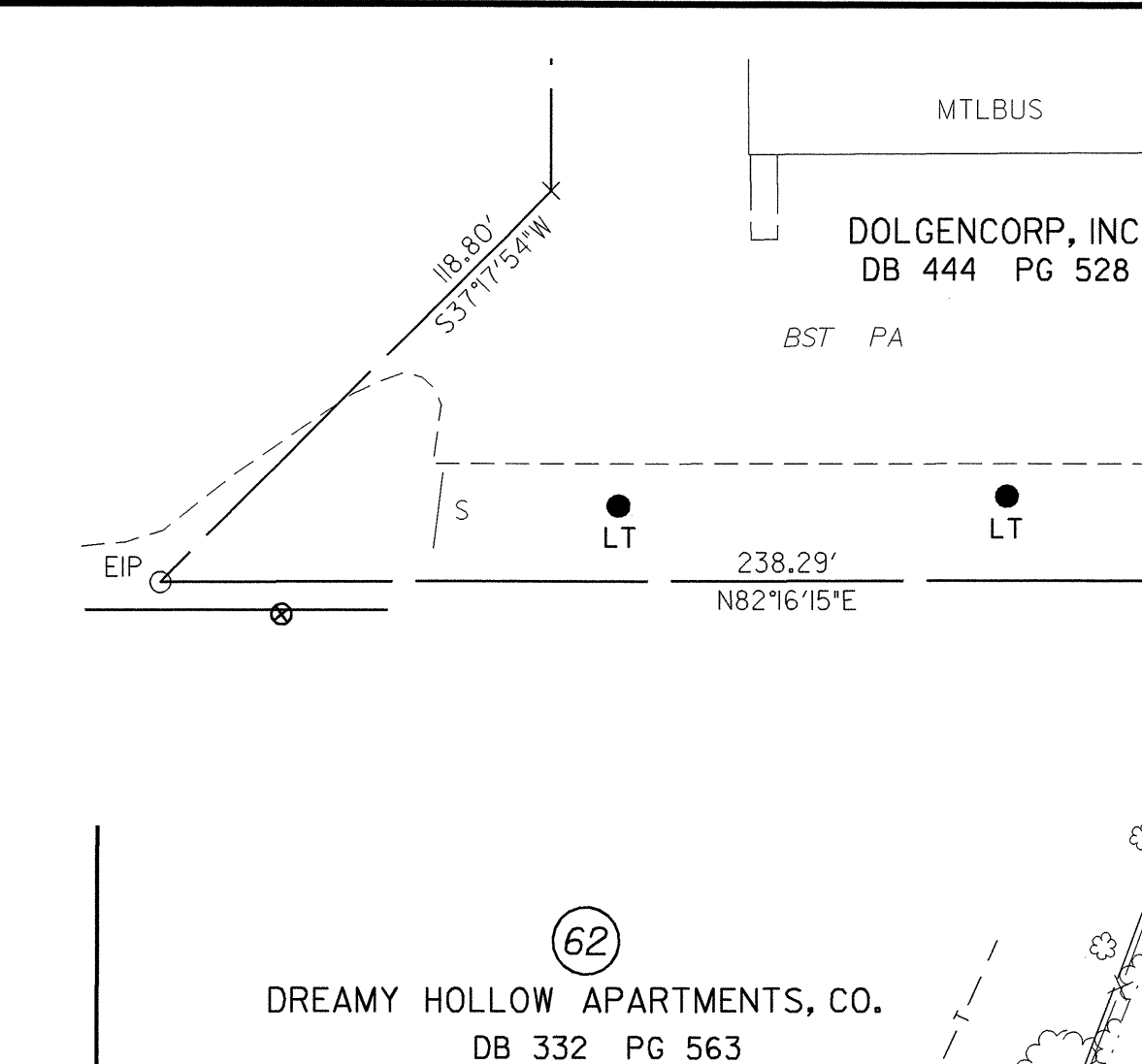
UTILITIES BY OTHERS

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

-L-
 PI Sta 60+46.66 Δ = 2° 30' 33.0" (RT)
 D = 0° 28' 38.9" L = 525.52'
 T = 262.80' R = 12,000.00'
 e = NC
 PI Sta 67+31.41 Δ = 16° 45' 39.0" (RT)
 D = 2° 00' 00.0" L = 838.04'
 T = 422.04' R = 2,864.79'
 e = EXIST.



MATCHLINE -L- STA. 58+00 SEE SHEET U0-6



5/14/99
19-SEP-2008 10:09
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BOBBY H. MYRICK
DB 485 PG 356
PC D SLIDE 127-C