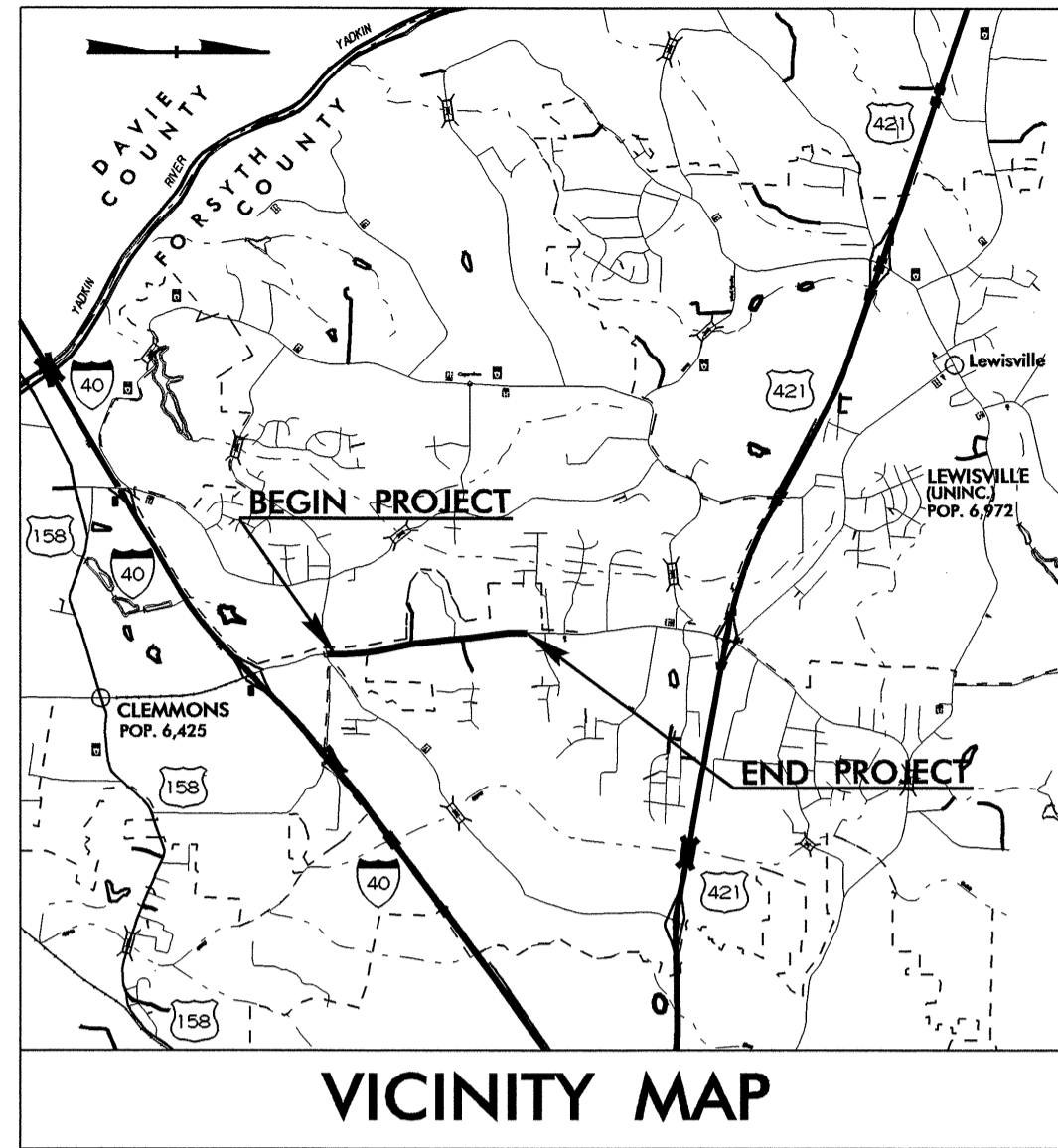


9/09/99

CONTRACT: C201684 PROJECT: U-3119A



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

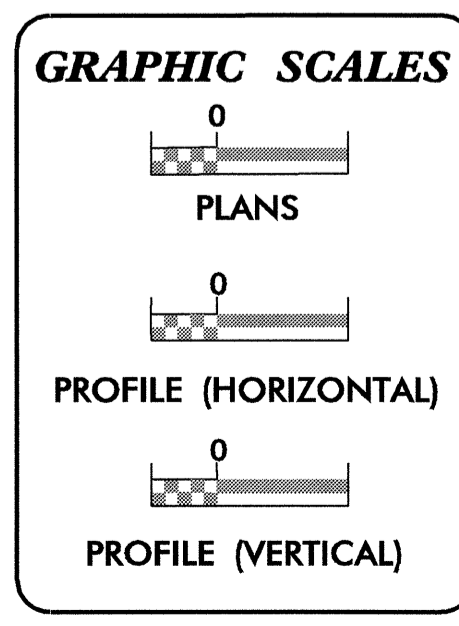
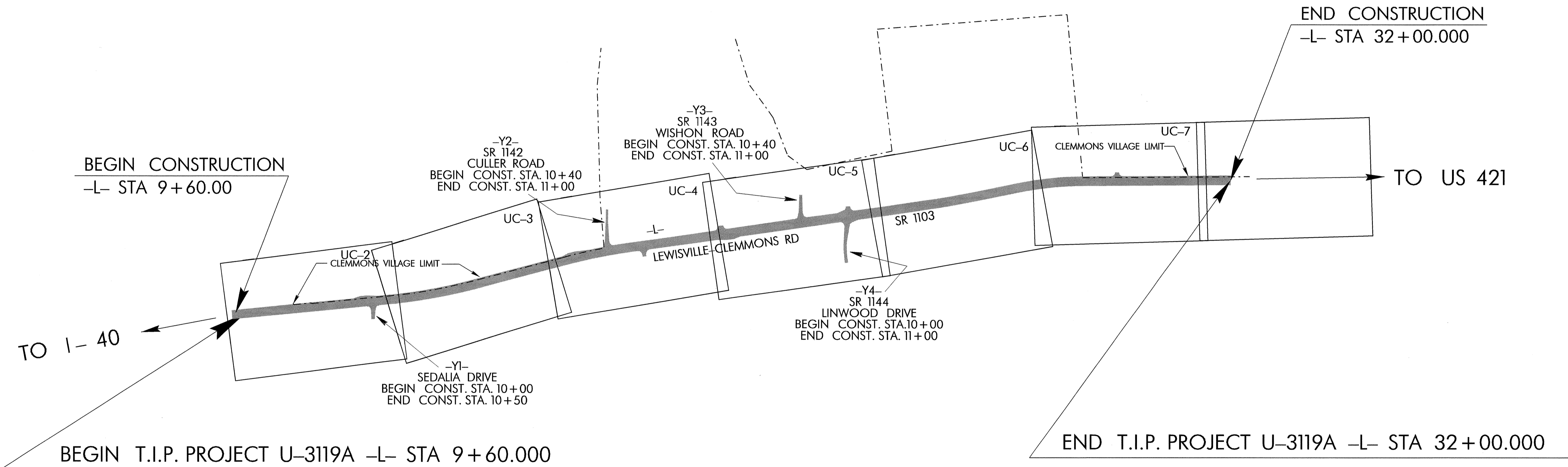
METRIC
ALL DIMENSIONS IN THESE PLANS ARE IN METERS AND/OR MILLIMETERS UNLESS OTHERWISE SHOWN

T.I.P. NO.	SHEET NO.
U-3119A	UC-1

**UTILITY CONSTRUCTION PLANS
FORSYTH COUNTY**

**LOCATION: SR 1103 (LEWISVILLE-CLEMMONS RD.)
FROM SR 1891 (PEACE HAVEN RD.) TO SR 3580
(FOREST OAKS DR.)**

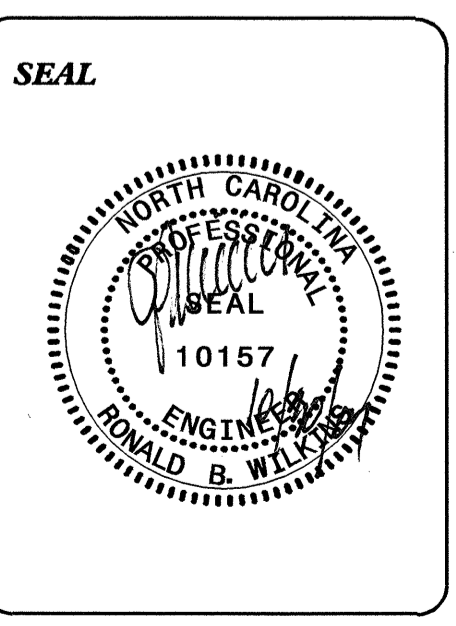
TYPE OF WORK: UTILITY CONSTRUCTION



INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
UC-1	TITLE SHEET
UC-2 THRU UC-7	UTILITY CONSTRUCTION PLAN SHEETS
UC-8	PROFILE SHEET
UC-9	DETAILS SHEET

WATER AND SEWER OWNERS ON PROJECT


(1) WATER - COUNTY OF FORSYTH
(2) SANITARY SEWER - COUNTY OF FORSYTH



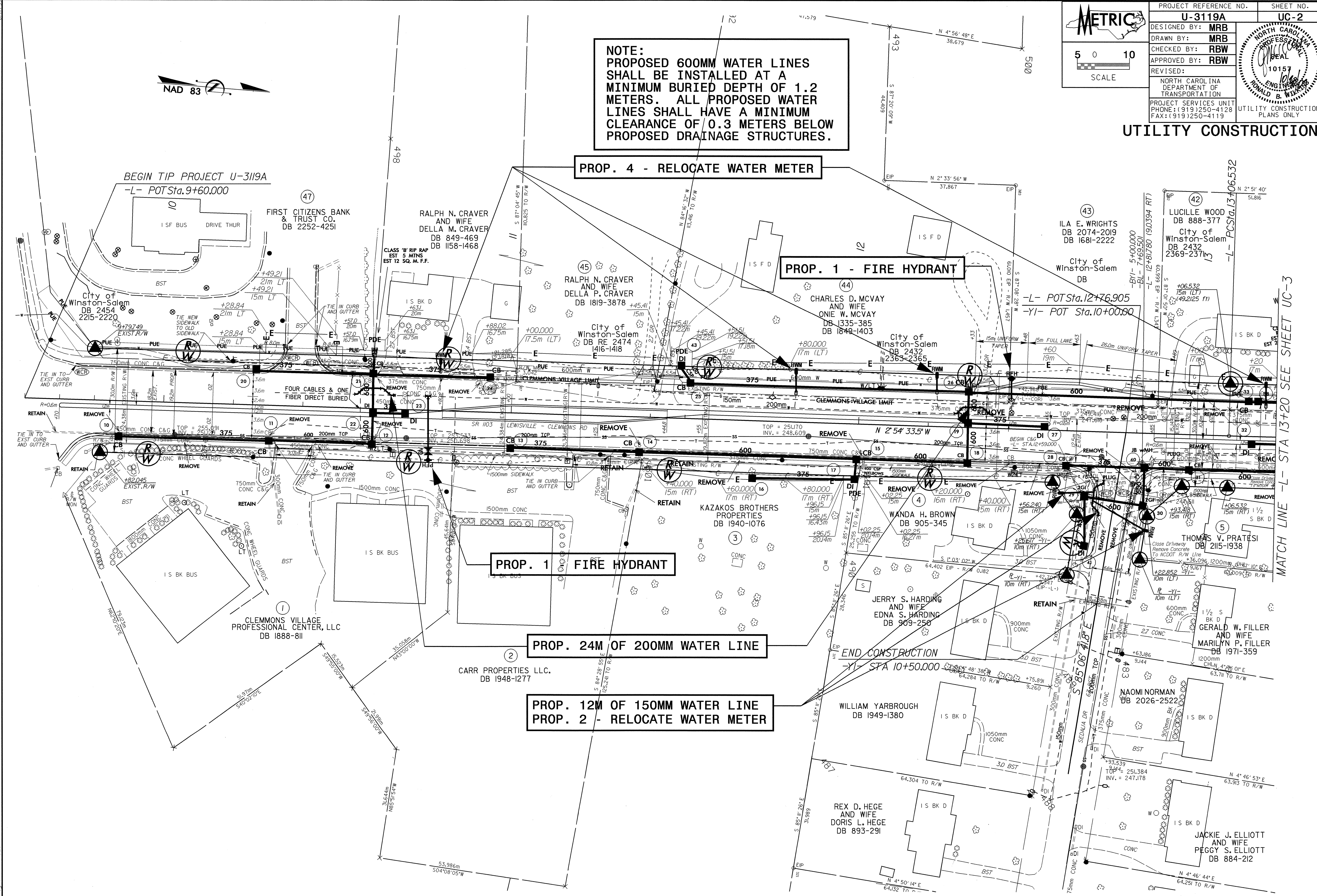
PREPARED IN THE OFFICE OF:
**DIVISION OF HIGHWAYS
PROJECT SERVICES
UTILITY SECTION**
1591 MAIL SERVICES CENTER
RALEIGH NC 27699-1591
PHONE (919) 250-4128
FAX (919) 250-4119

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

29-OCT-2007 10:25
r:\utilities\pdc9\au3119a_ut_title_uc1_psh.dgn
Author: RL

 5 0 10 SCALE	PROJECT REFERENCE NO.	SHEET NO.
	U-3119A	UC-2
DESIGNED BY: MRB DRAWN BY: MRB CHECKED BY: RBW APPROVED BY: RBW REVISED:		
NORTH CAROLINA PROFESSIONAL ENGINEER 10157 RONALD B. WILSON		
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION PROJECT SERVICES UNIT PHONE: (919) 250-4128 FAX: (919) 250-4119		UTILITY CONSTRUCTION PLANS ONLY

NOTE:
 PROPOSED 600MM WATER LINES SHALL BE INSTALLED AT A MINIMUM BURIED DEPTH OF 1.2 METERS. ALL PROPOSED WATER LINES SHALL HAVE A MINIMUM CLEARANCE OF 0.3 METERS BELOW PROPOSED DRAINAGE STRUCTURES.



PROP. 4 - RELOCATE WATER METER

PROP. 1 - FIRE HYDRANT

PROP. 1 FIRE HYDRANT

PROP. 24M OF 200MM WATER LINE

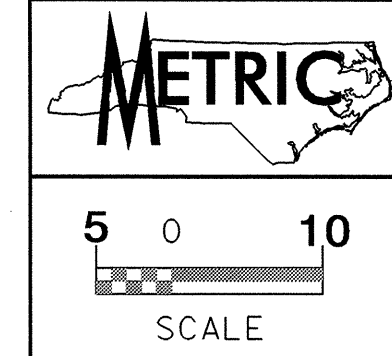
**PROP. 12M OF 150MM WATER LINE
 PROP. 2 - RELOCATE WATER METER**

BEGIN TIP PROJECT U-3119A
 -L- POT Sta. 9+60.000

-L- POT Sta. 12+76.905
 -YI- POT Sta. 10+00.000

MATCH LINE -L- STA 13+20 SEE SHEET UC-3

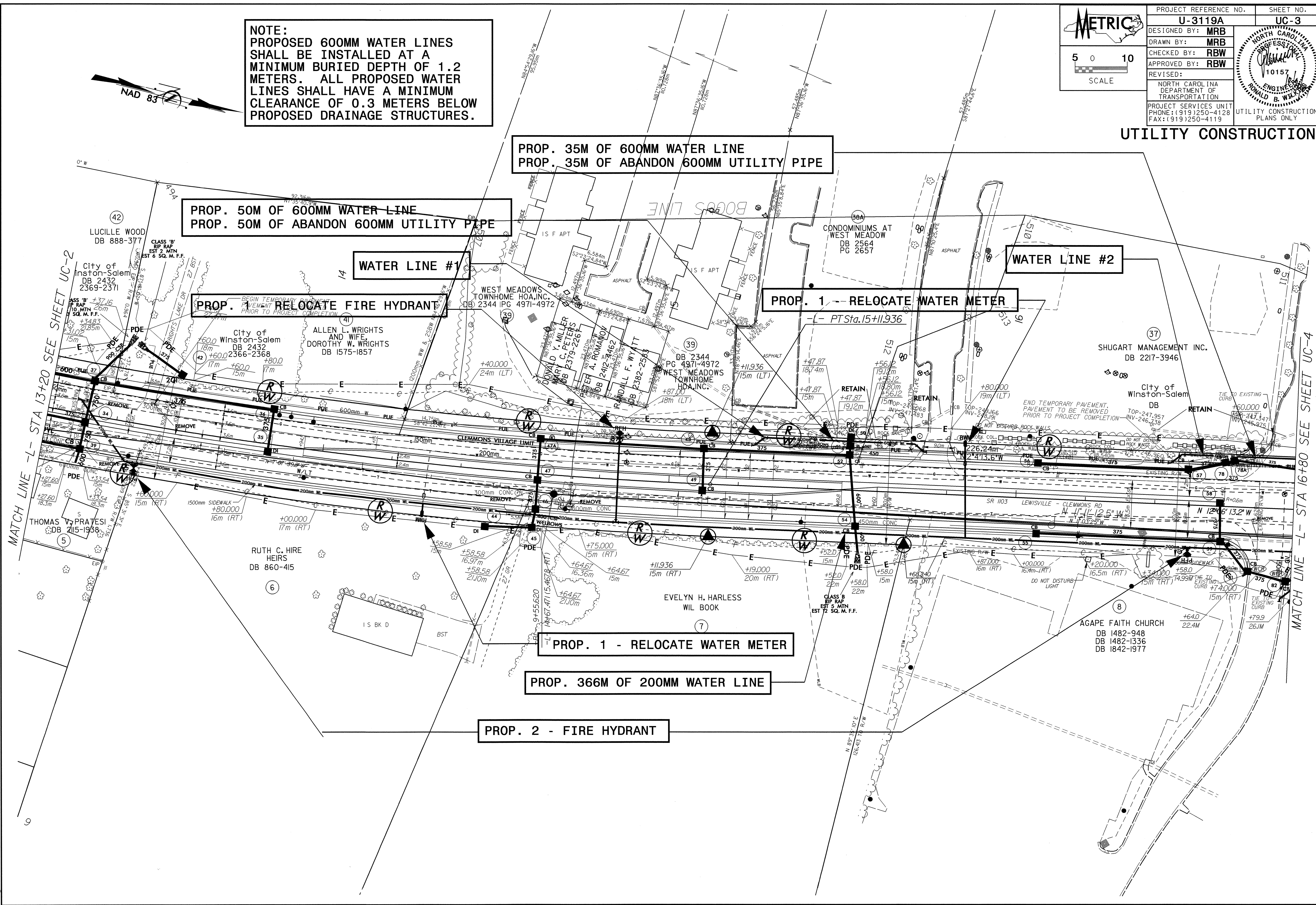
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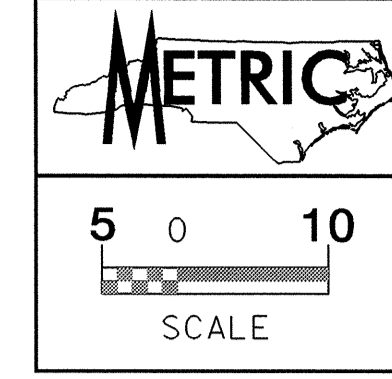
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U-3119A	UC-3
DESIGNED BY: MRB	
DRAWN BY: MRB	
CHECKED BY: RBW	
APPROVED BY: RBW	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
PROJECT SERVICES UNIT PHONE: (919) 250-4128 FAX: (919) 250-4119	
UTILITY CONSTRUCTION PLANS ONLY	

NOTE:
 PROPOSED 600MM WATER LINES SHALL BE INSTALLED AT A MINIMUM BURIED DEPTH OF 1.2 METERS. ALL PROPOSED WATER LINES SHALL HAVE A MINIMUM CLEARANCE OF 0.3 METERS BELOW PROPOSED DRAINAGE STRUCTURES.

UTILITY CONSTRUCTION



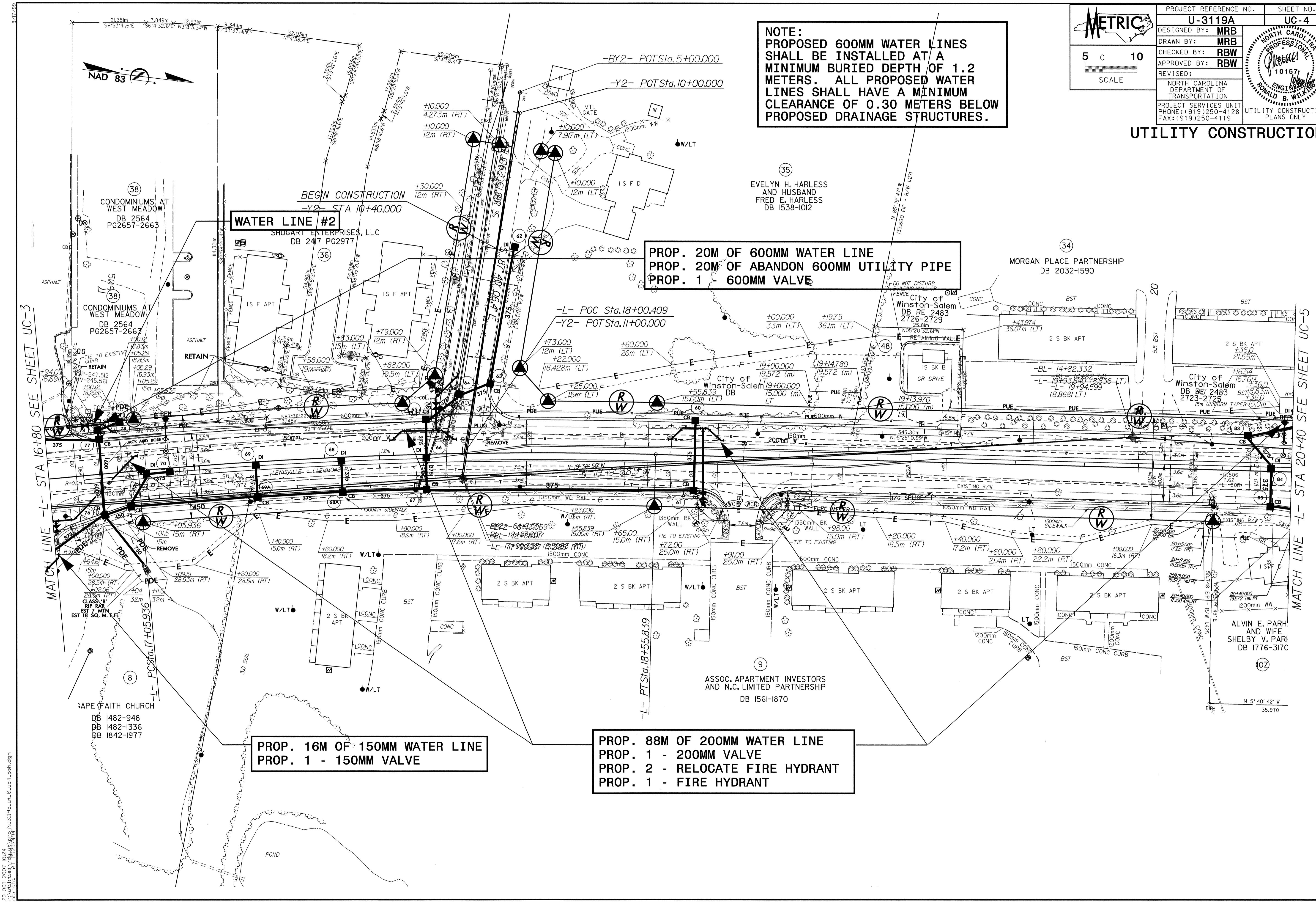
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PROJECT REFERENCE NO.	SHEET NO.
U-3119A	UC-4
DESIGNED BY: MRB	
DRAWN BY: MRB	
CHECKED BY: RBW	
APPROVED BY: RBW	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
PROJECT SERVICES UNIT	UTILITY CONSTRUCTION PLANS ONLY
PHONE: (919)250-4128	
FAX: (919)250-4119	

NOTE:
 PROPOSED 600MM WATER LINES SHALL BE INSTALLED AT A MINIMUM BURIED DEPTH OF 1.2 METERS. ALL PROPOSED WATER LINES SHALL HAVE A MINIMUM CLEARANCE OF 0.30 METERS BELOW PROPOSED DRAINAGE STRUCTURES.

UTILITY CONSTRUCTION



WATER LINE #2
 SHUGART ENTERPRISES, LLC
 DB 2417 PG2977

PROP. 20M OF 600MM WATER LINE
PROP. 20M OF ABANDON 600MM UTILITY PIPE
PROP. 1 - 600MM VALVE

PROP. 16M OF 150MM WATER LINE
PROP. 1 - 150MM VALVE

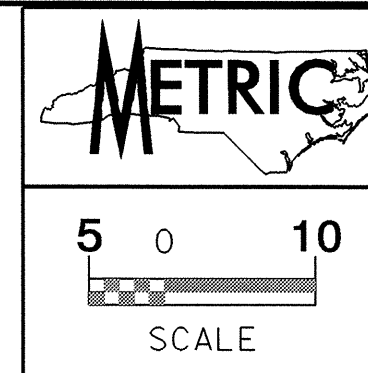
PROP. 88M OF 200MM WATER LINE
PROP. 1 - 200MM VALVE
PROP. 2 - RELOCATE FIRE HYDRANT
PROP. 1 - FIRE HYDRANT

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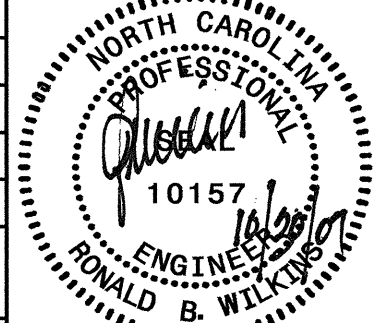
MATCH LINE -L- STA 16+80 SEE SHEET UC-3

MATCH LINE -L- STA 20+40 SEE SHEET UC-5

NOTE:
 PROPOSED 600MM WATER LINES SHALL BE INSTALLED AT A MINIMUM BURIED DEPTH OF 1.2 METERS. ALL PROPOSED WATER LINES SHALL HAVE A MINIMUM CLEARANCE OF 0.3 METERS BELOW PROPOSED DRAINAGE STRUCTURES.



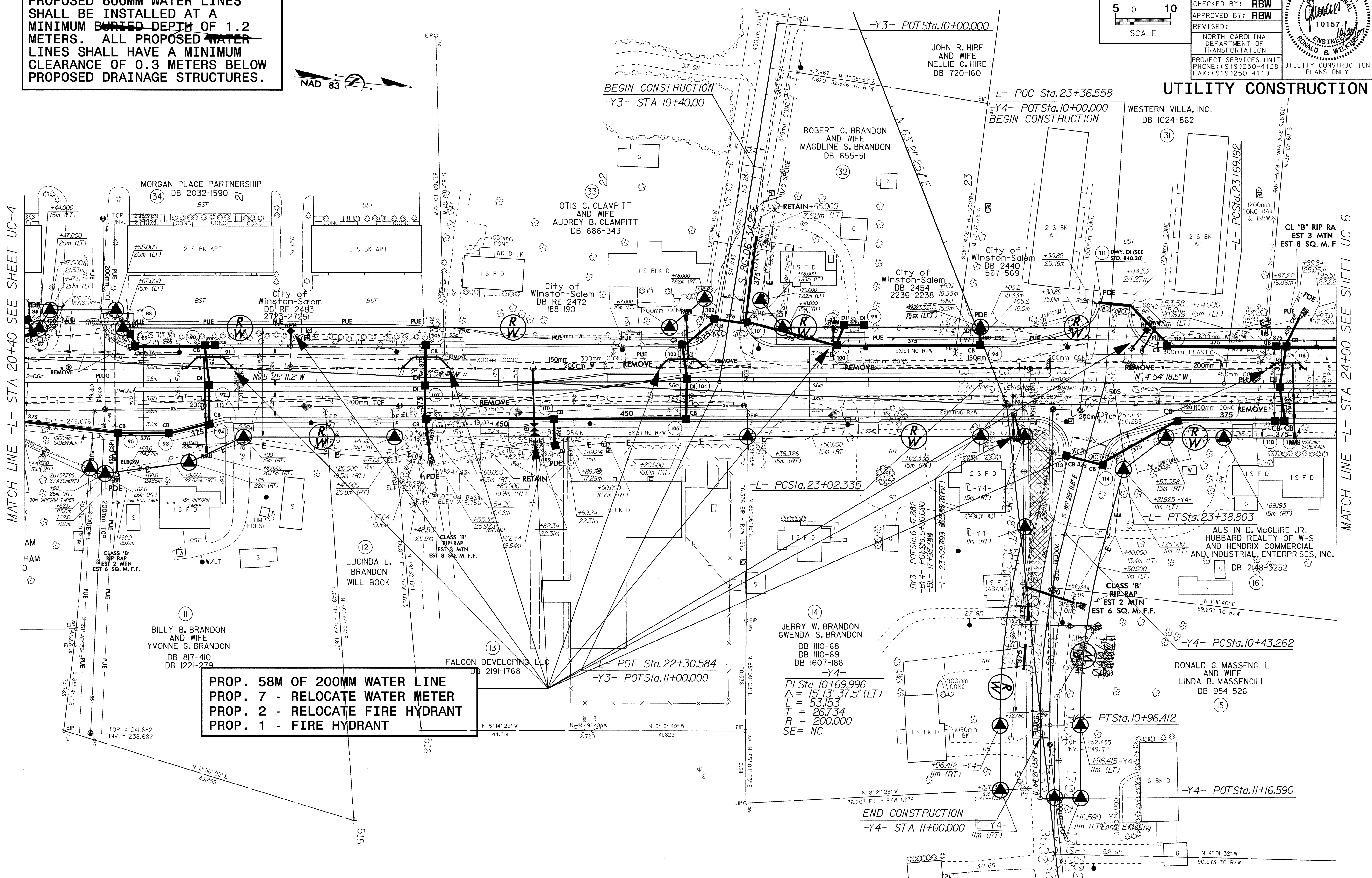
PROJECT REFERENCE NO.	UC-5
DESIGNED BY:	MRB
DRAWN BY:	MRB
CHECKED BY:	RBW
APPROVED BY:	RBW
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
PROJECT SERVICES UNIT PHONE: (919) 250-4128 FAX: (919) 250-4119	
UTILITY CONSTRUCTION PLANS ONLY	



UTILITY CONSTRUCTION

MATCH LINE -L- STA 20+40 SEE SHEET UC-4

MATCH LINE -L- STA 24+00 SEE SHEET UC-6

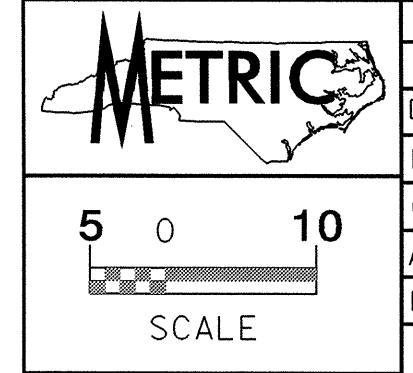


PROP. 58M OF 200MM WATER LINE
PROP. 7 - RELOCATE WATER METER
PROP. 2 - RELOCATE FIRE HYDRANT
PROP. 1 - FIRE HYDRANT

PI Sta 10+69.996
 $\Delta = 15' 13" 37.5" (LT)$
 $L = 53.153$
 $T = 26.734$
 $R = 200.000$
 $SE = NC$

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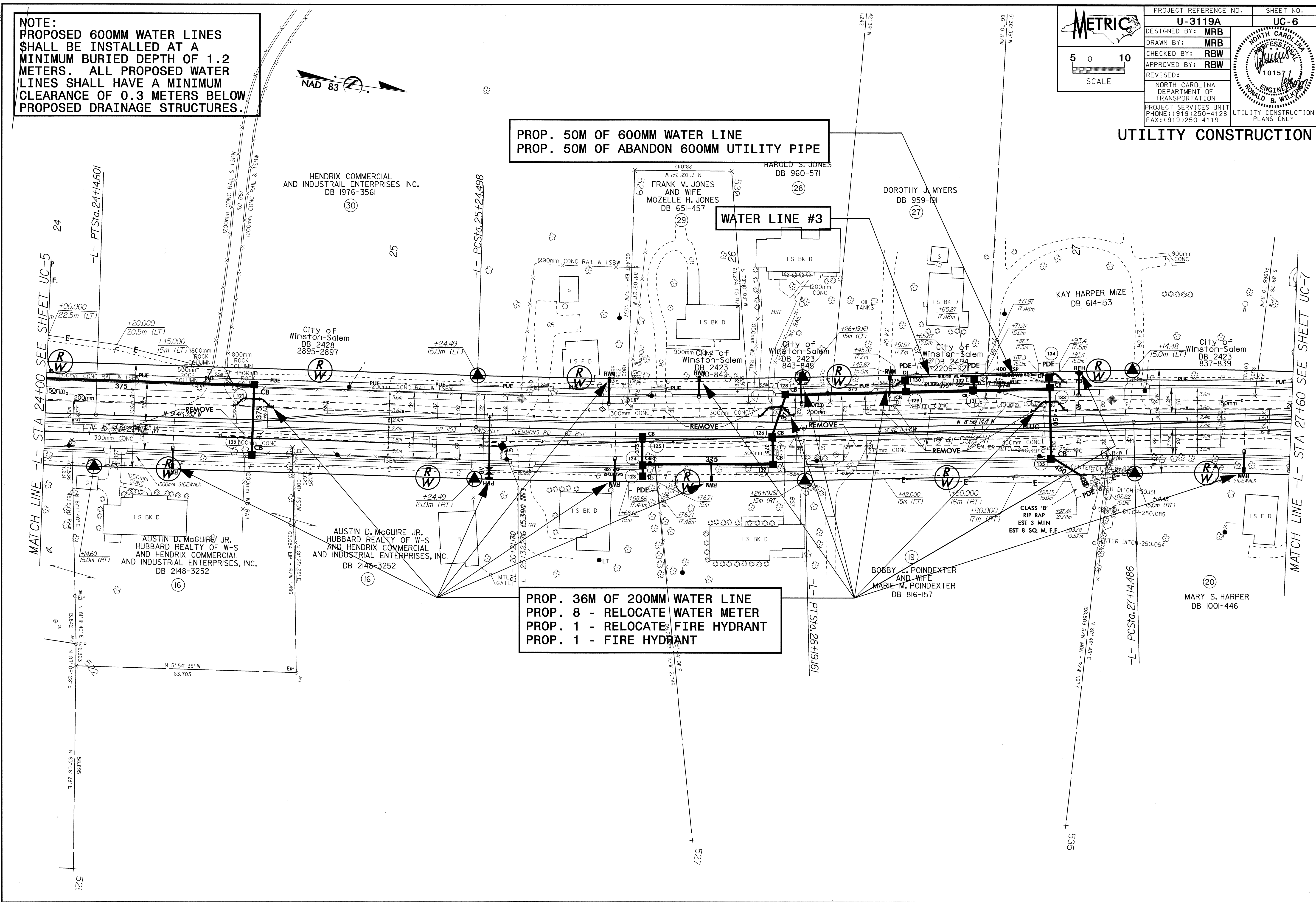
NOTE:
 PROPOSED 600MM WATER LINES
 SHALL BE INSTALLED AT A
 MINIMUM BURIED DEPTH OF 1.2
 METERS. ALL PROPOSED WATER
 LINES SHALL HAVE A MINIMUM
 CLEARANCE OF 0.3 METERS BELOW
 PROPOSED DRAINAGE STRUCTURES.



PROJECT REFERENCE NO.	SHEET NO.
U-3119A	UC-6
DESIGNED BY: MRB	
DRAWN BY: MRB	
CHECKED BY: RBW	
APPROVED BY: RBW	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
PROJECT SERVICES UNIT PHONE: (919) 250-4128 FAX: (919) 250-4119	
UTILITY CONSTRUCTION PLANS ONLY	


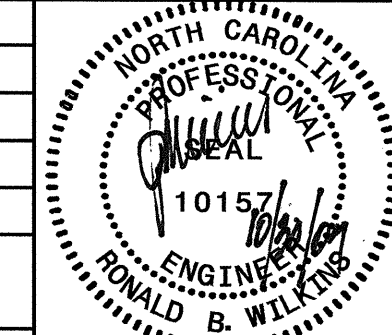
PROP. 50M OF 600MM WATER LINE
PROP. 50M OF ABANDON 600MM UTILITY PIPE

UTILITY CONSTRUCTION

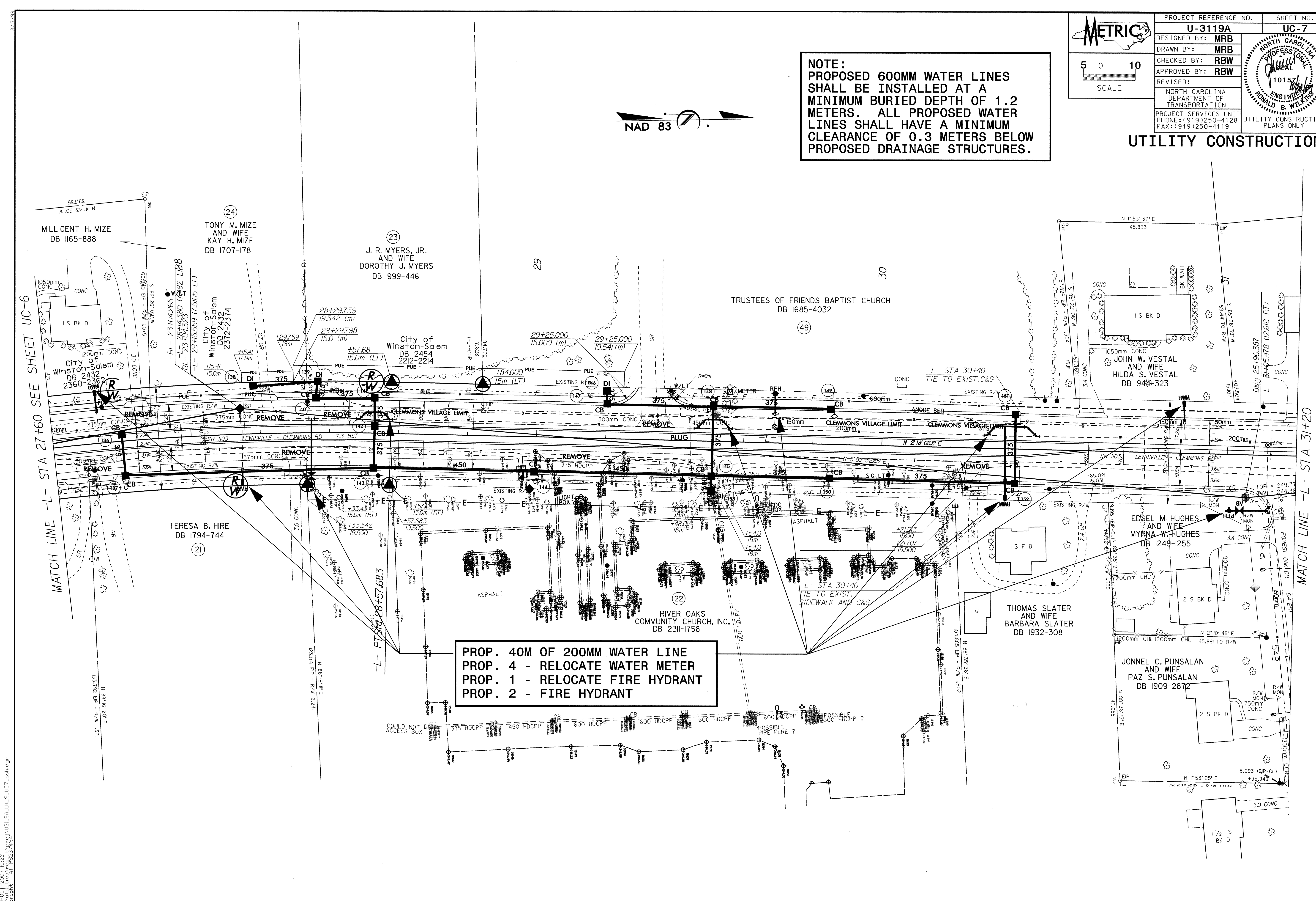
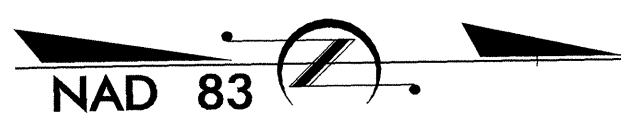


PROP. 36M OF 200MM WATER LINE
PROP. 8 - RELOCATE WATER METER
PROP. 1 - RELOCATE FIRE HYDRANT
PROP. 1 - FIRE HYDRANT

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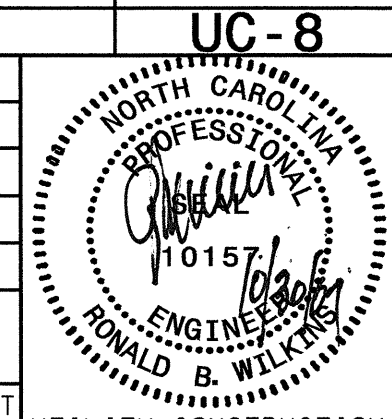
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DRAWN BY: MRB		
CHECKED BY: RBW		
APPROVED BY: RBW		
REVISED:	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION PROJECT SERVICES UNIT PHONE: (919) 250-4128 FAX: (919) 250-4119	
UTILITY CONSTRUCTION		

NOTE:
 PROPOSED 600MM WATER LINES SHALL BE INSTALLED AT A MINIMUM BURIED DEPTH OF 1.2 METERS. ALL PROPOSED WATER LINES SHALL HAVE A MINIMUM CLEARANCE OF 0.3 METERS BELOW PROPOSED DRAINAGE STRUCTURES.

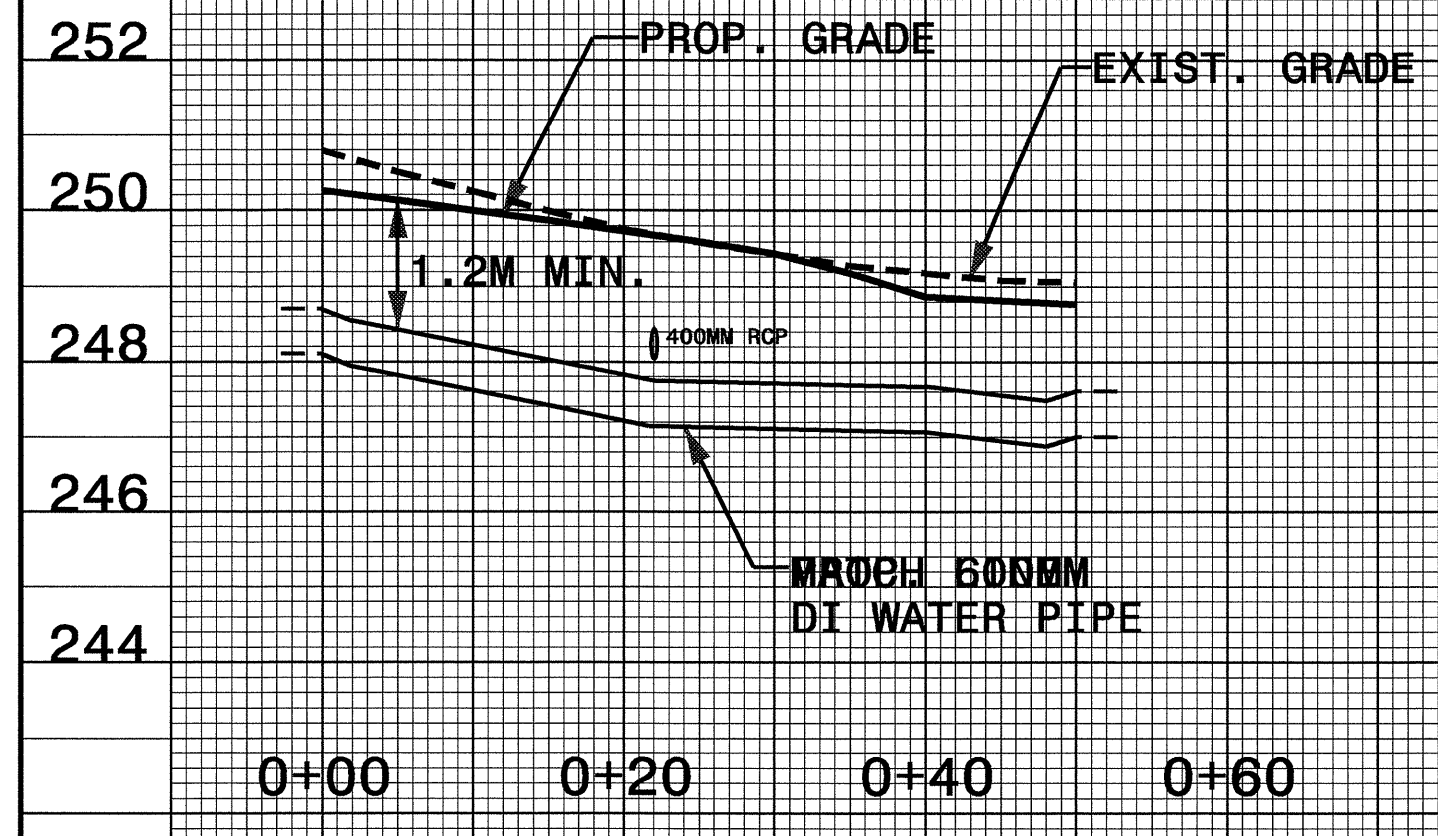


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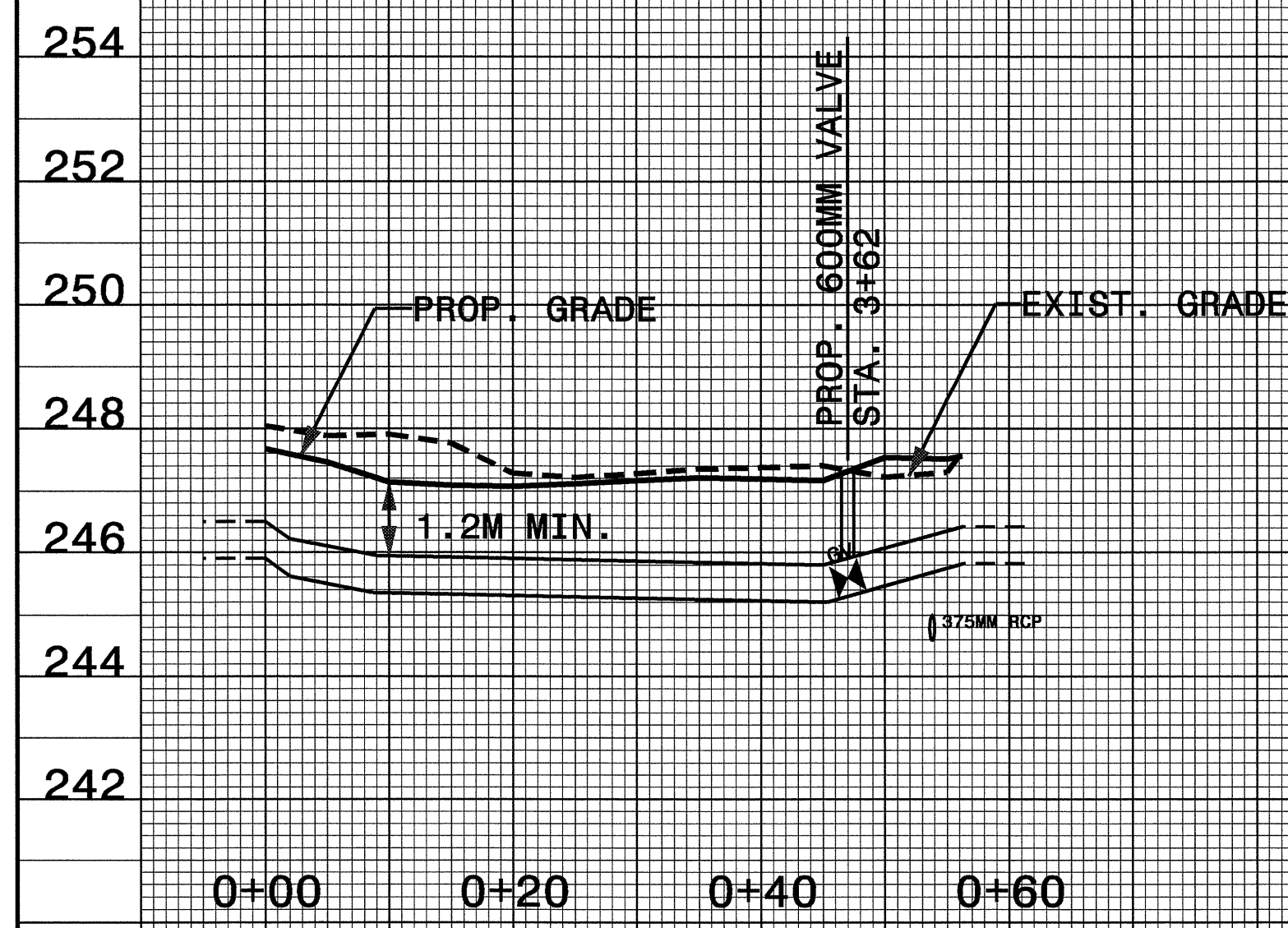
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NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		
PROJECT SERVICES UNIT PHONE: (919)250-4128 FAX: (919)250-4119		UTILITY CONSTRUCTION PLANS ONLY

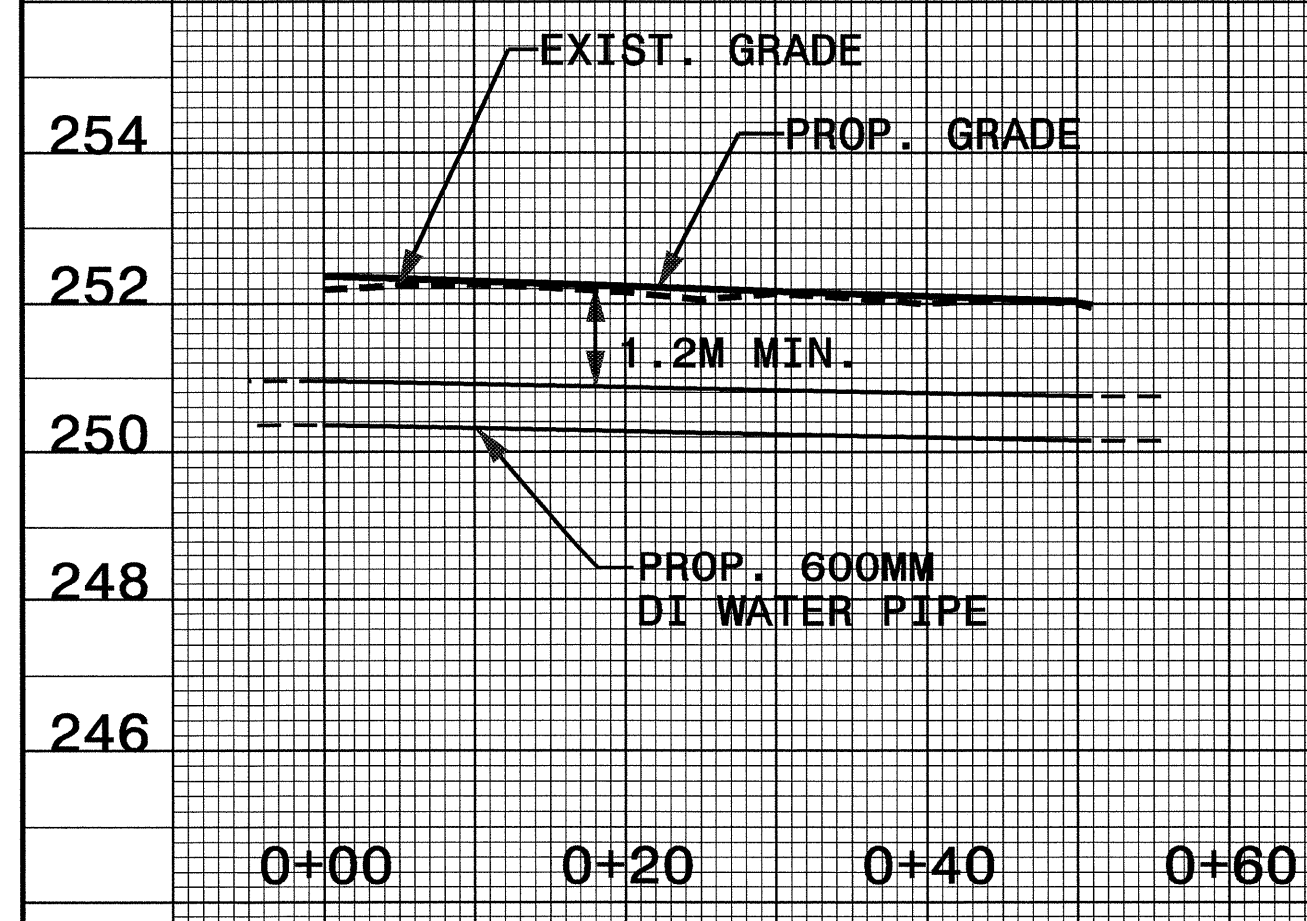
UTILITY CONSTRUCTION



WATER LINE #1



WATER LINE #2



WATER LINE #3

PROJECT REFERENCE NO. **U-3119A** SHEET NO. **UC-9**

DESIGNED BY: **MRB**

DRAWN BY: **MRB**

CHECKED BY: **RBW**

APPROVED BY: **RBW**

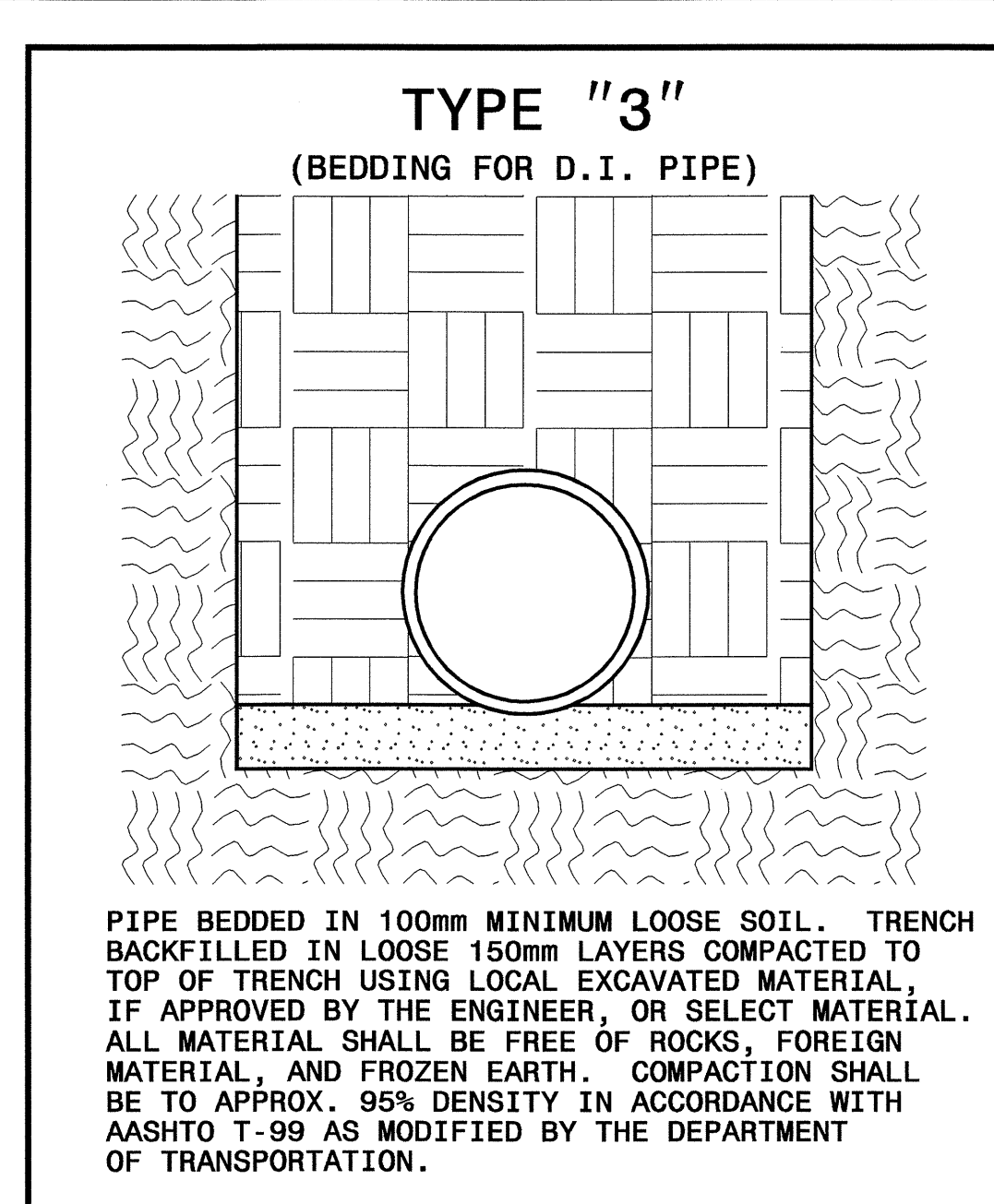
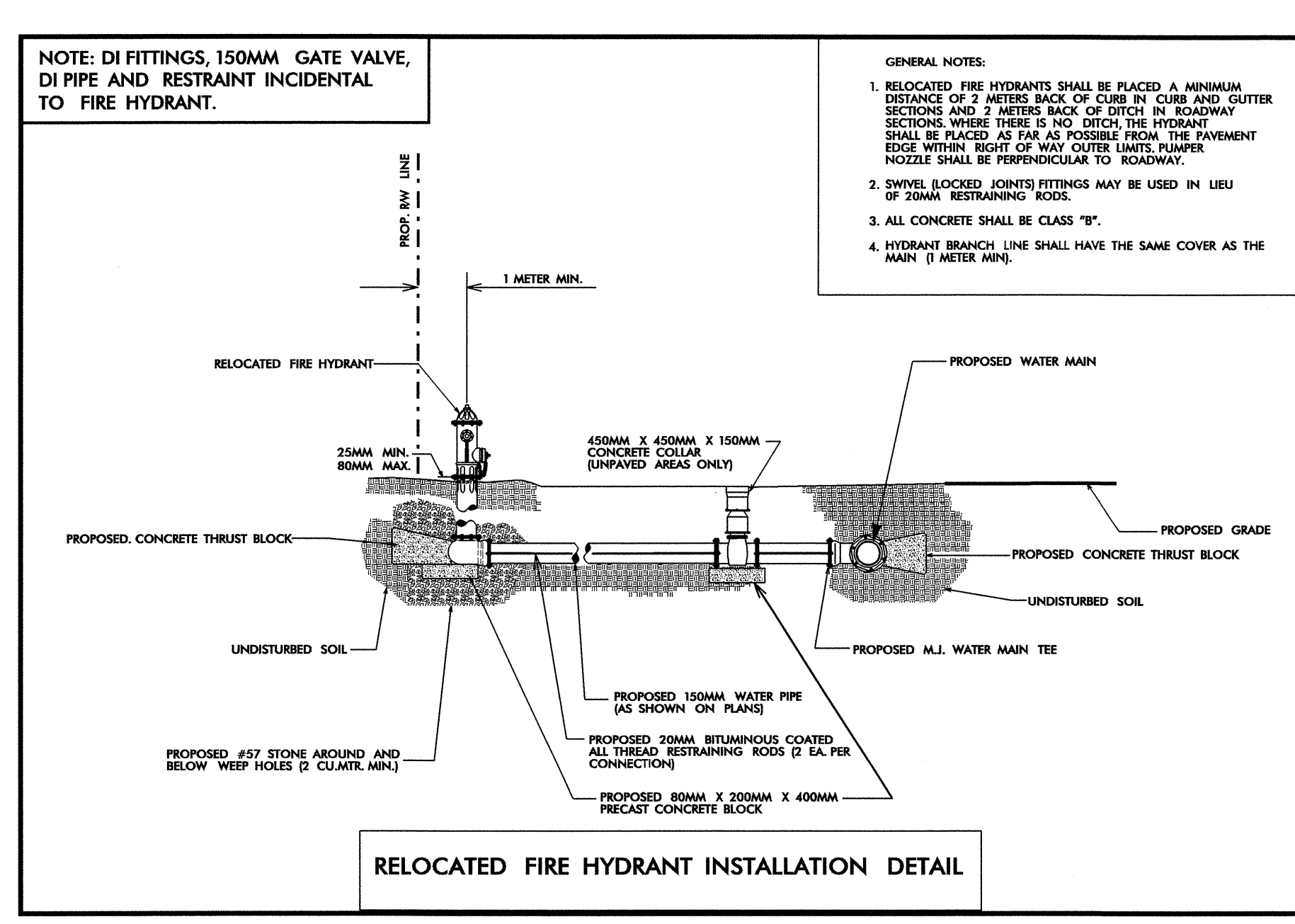
REVISED:

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

PROJECT SERVICES UNIT
PHONE: (919) 250-4128
FAX: (919) 250-4119

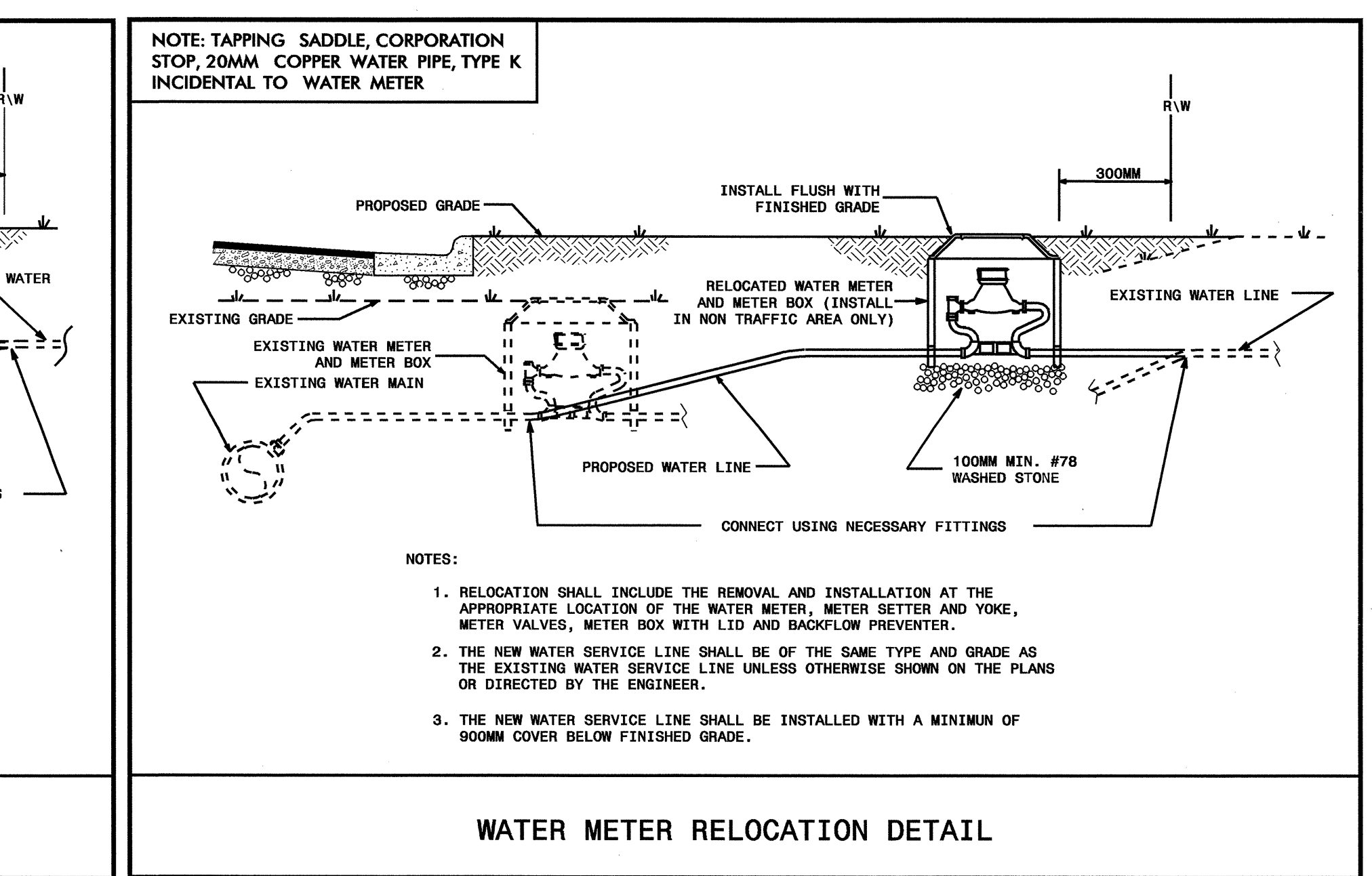
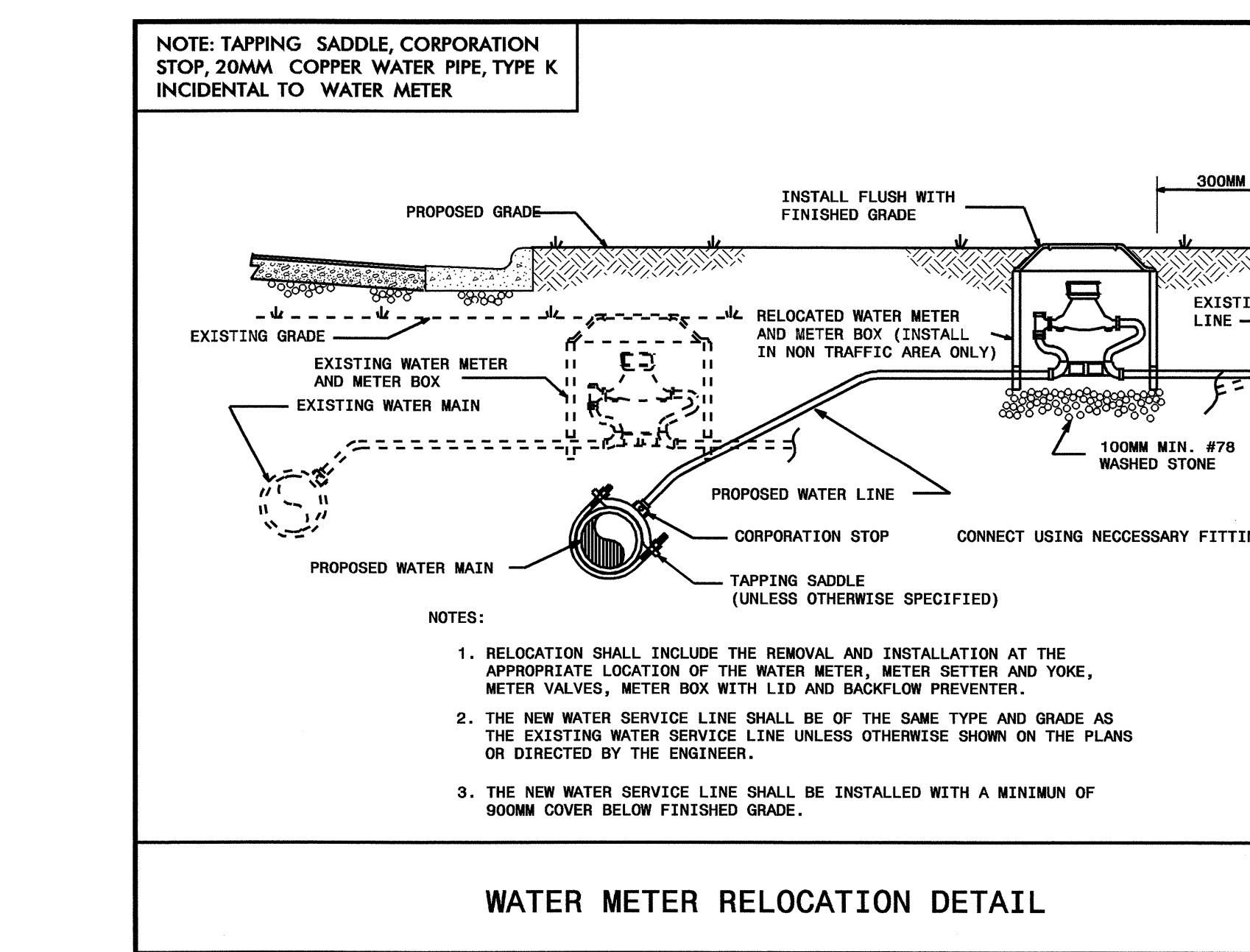
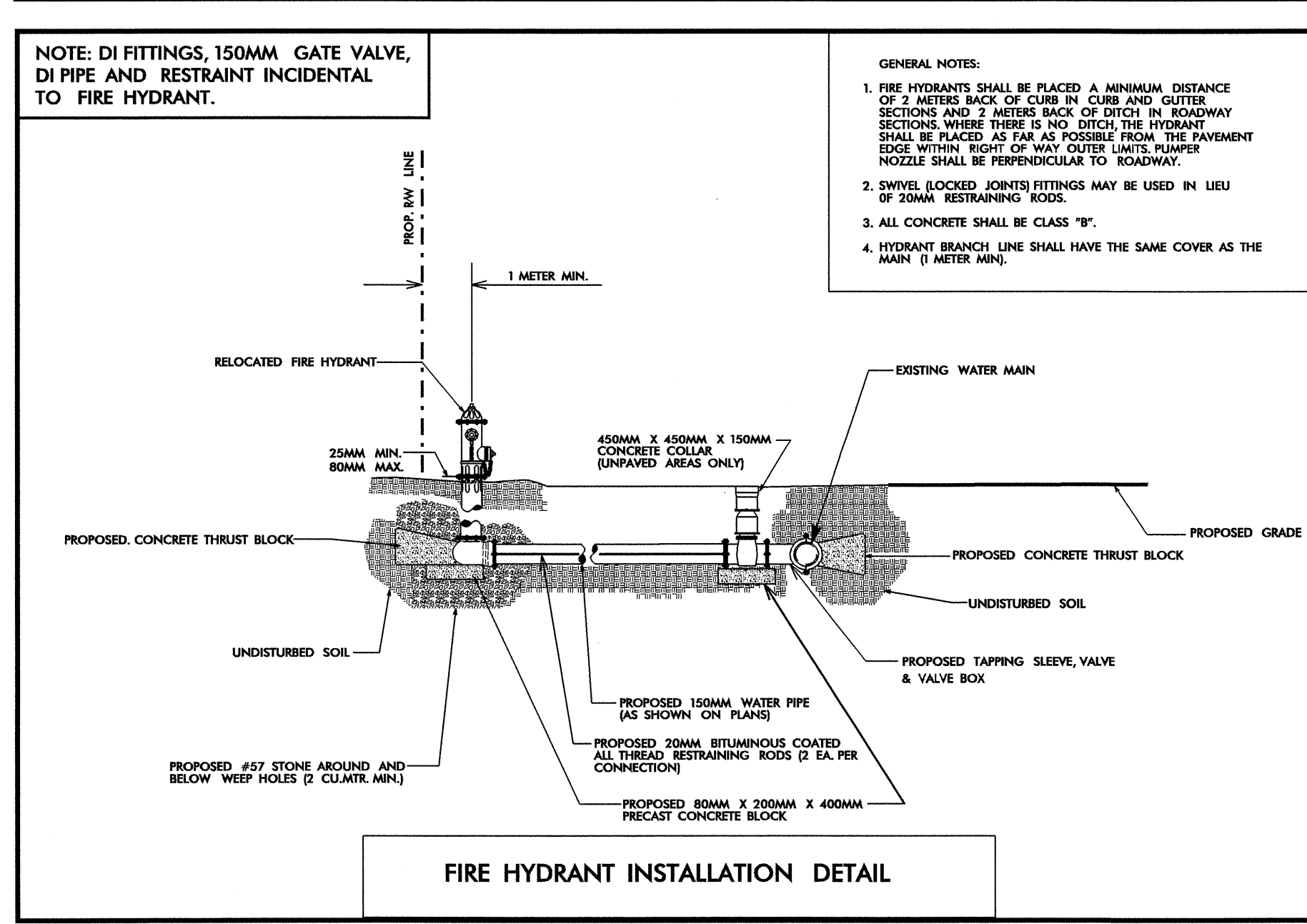
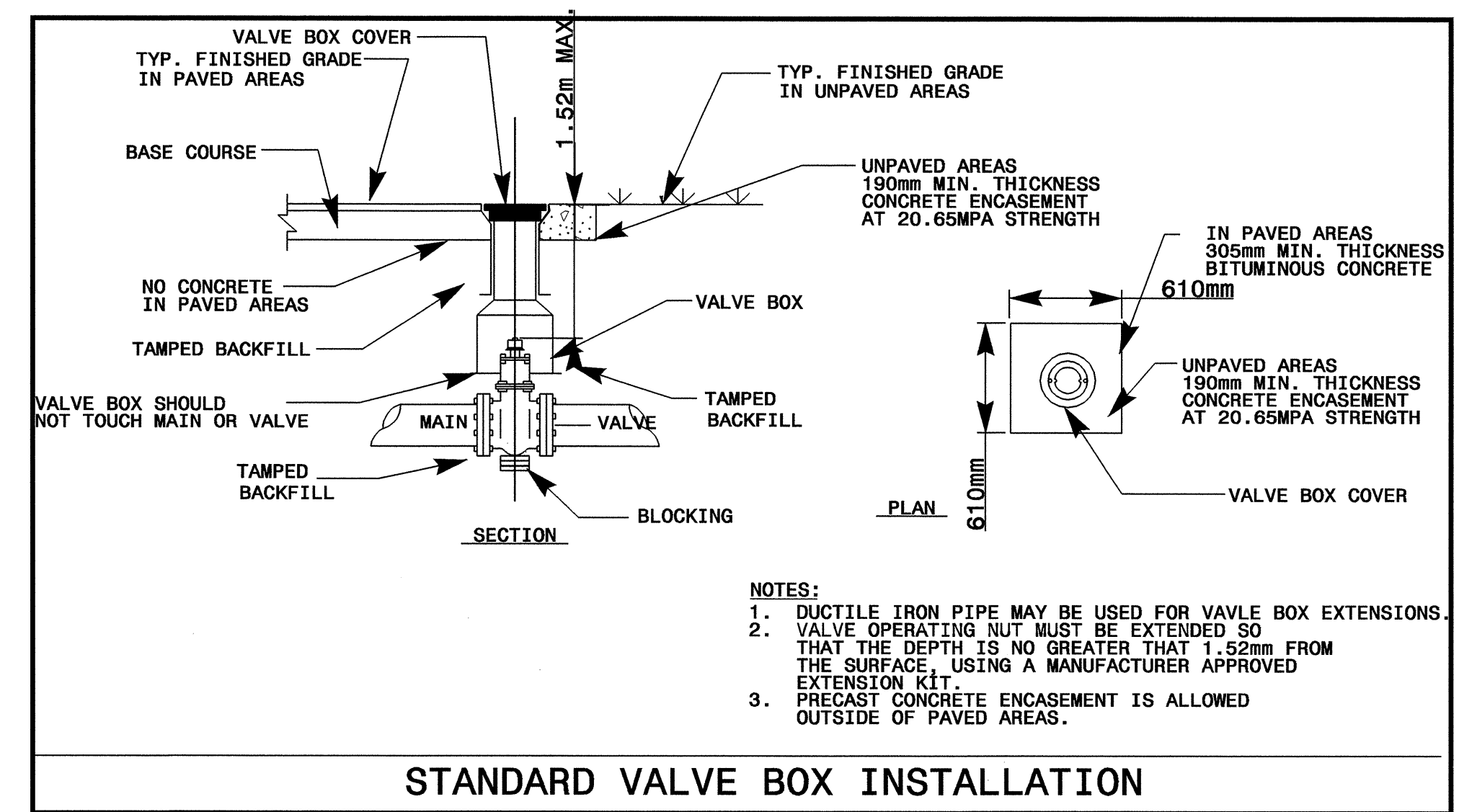
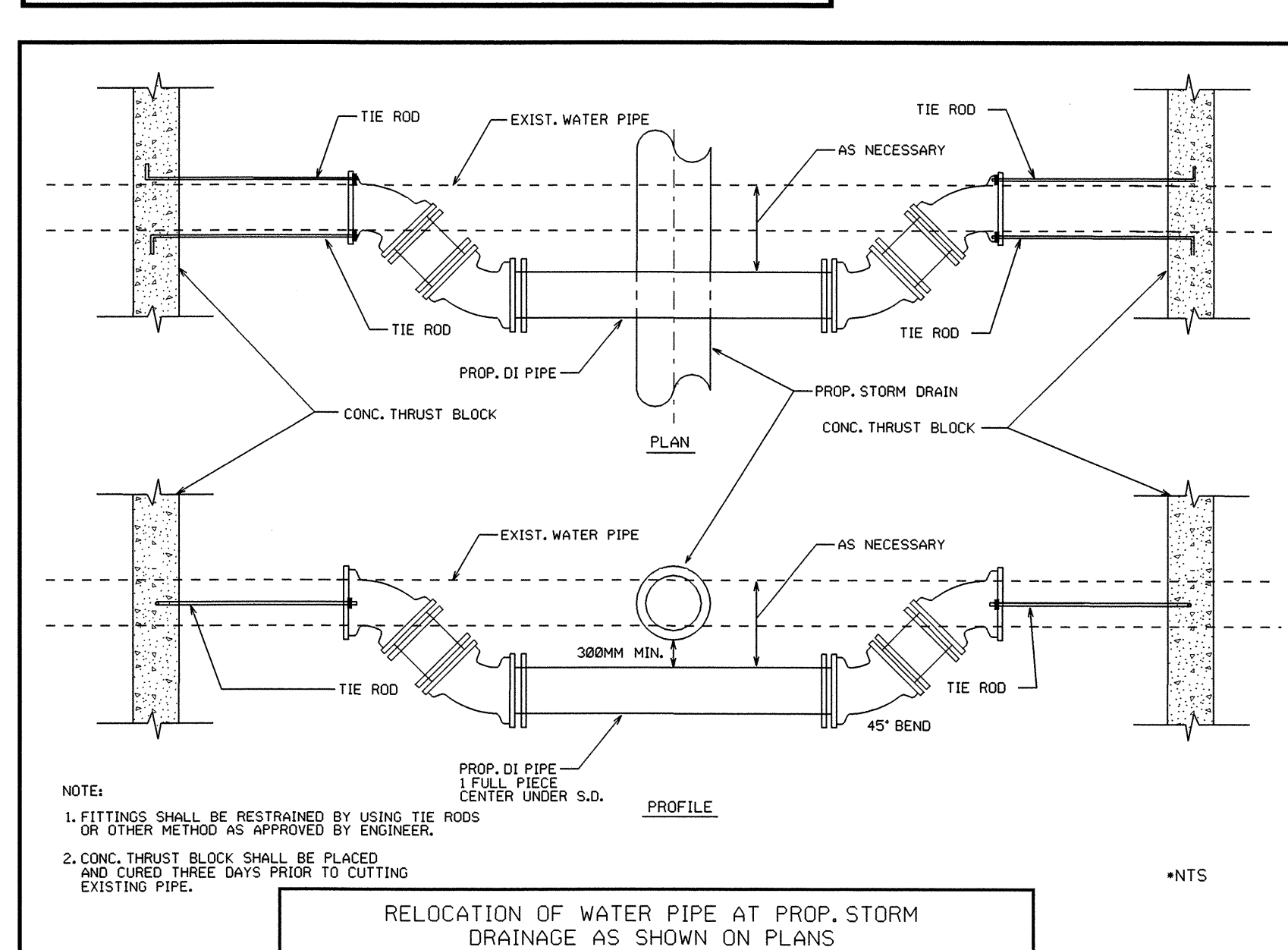
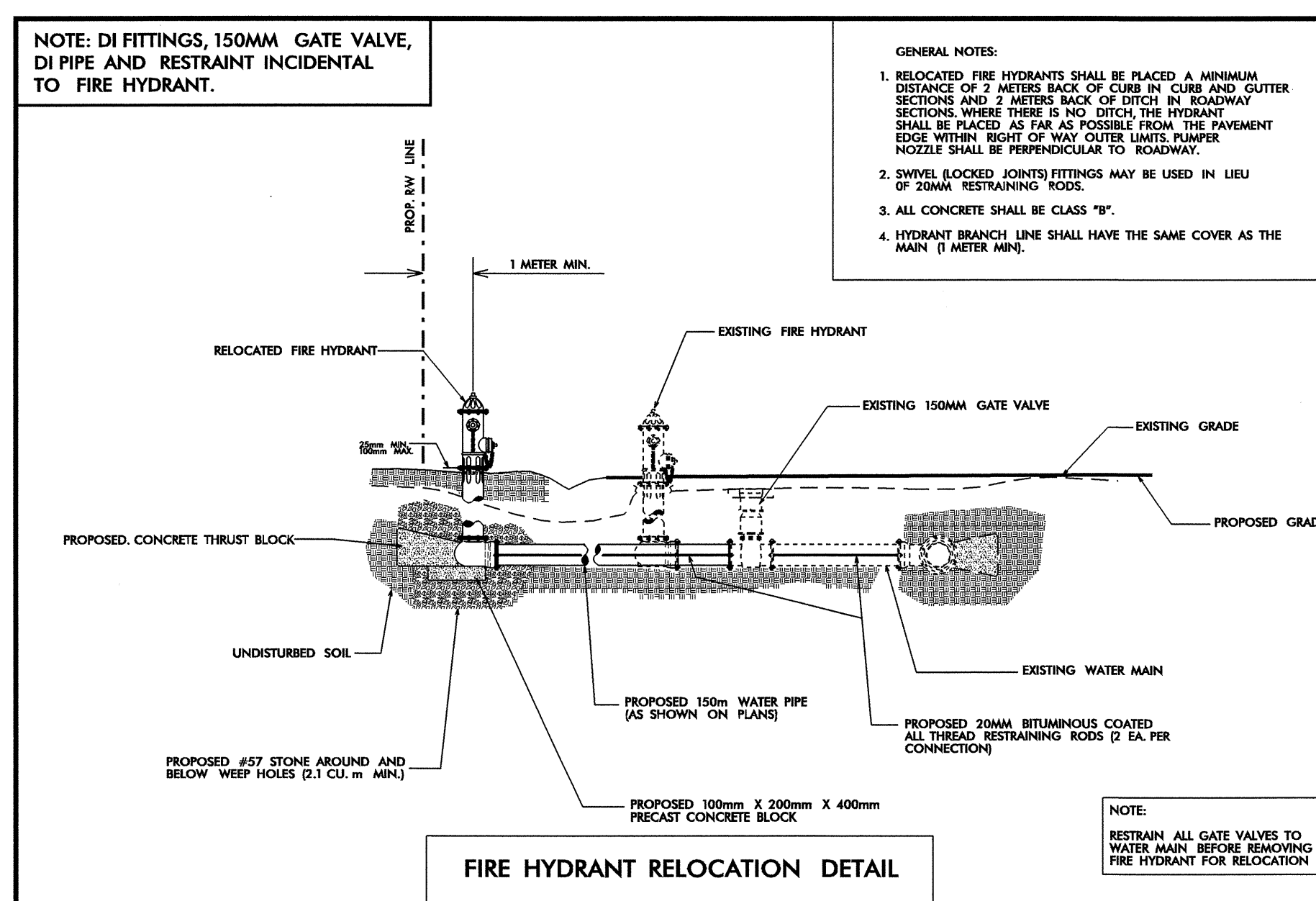
UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION



MAXIMUM TRENCH WIDTH AT TOP OF PIPE

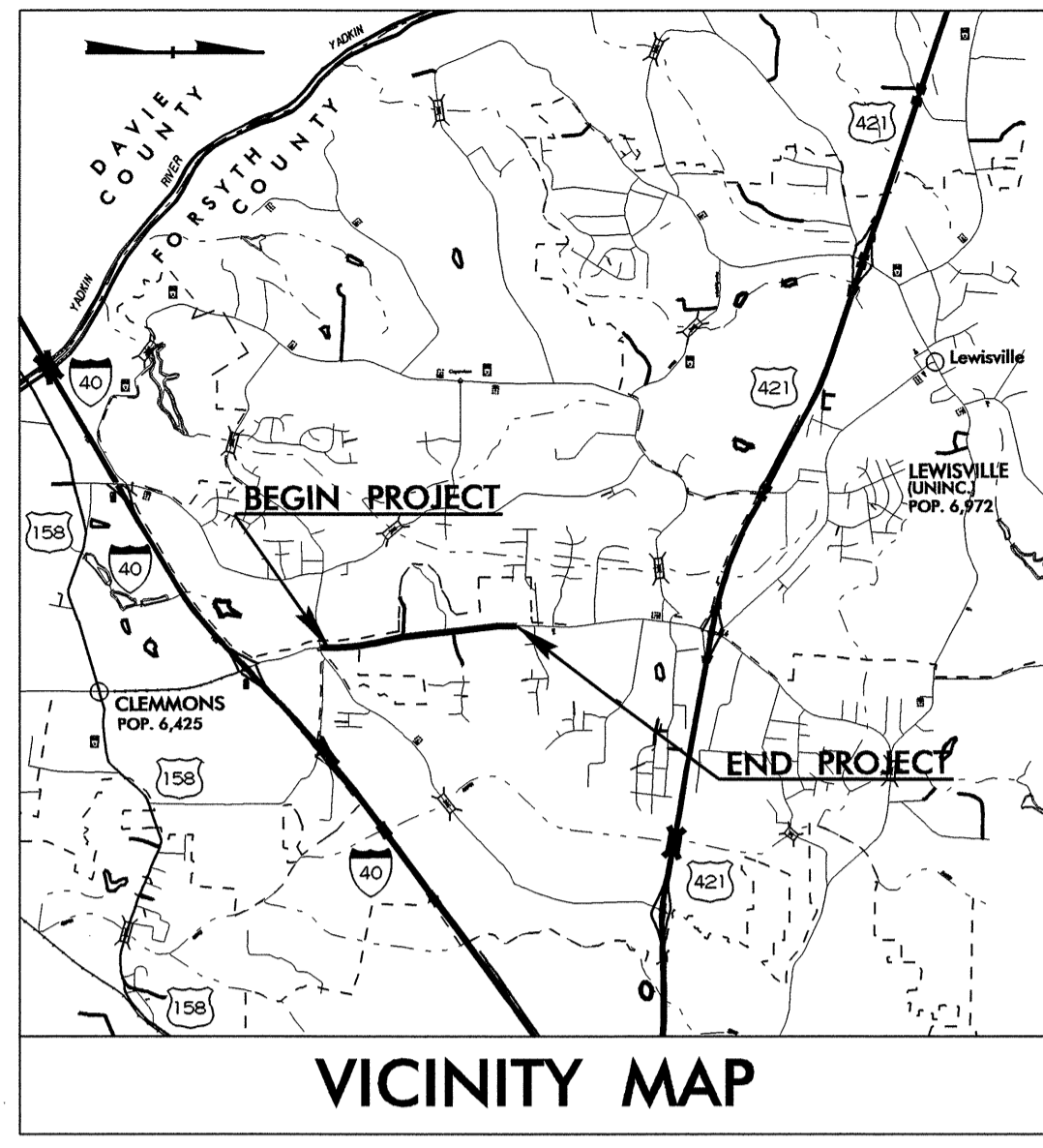
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150	0.76	610	1.22
200	0.81	750	1.37
250	0.86	900	1.57
300	0.91	1050	1.68
350	0.97	1200	1.83
400	1.02	1400	1.98
450	1.07		



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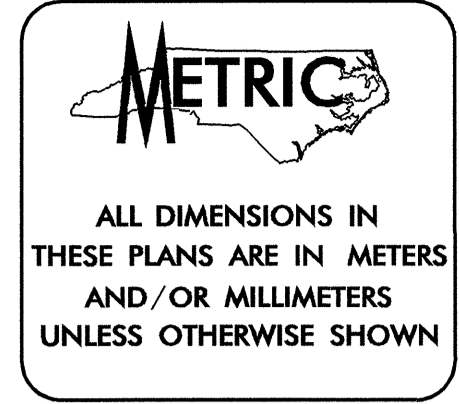
9/09/99

CONTRACT: C201684 PROJECT: U-3119A



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

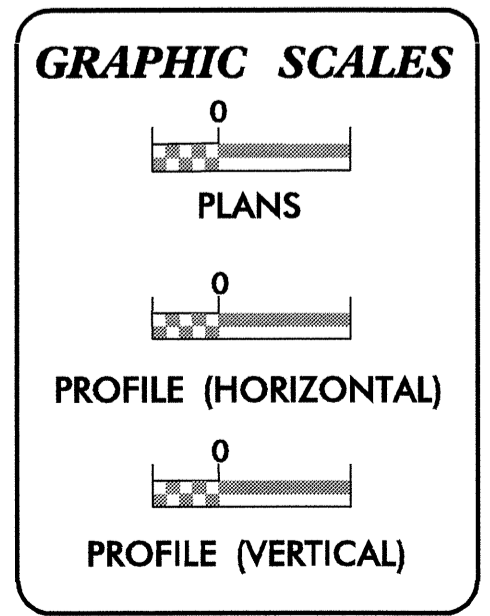
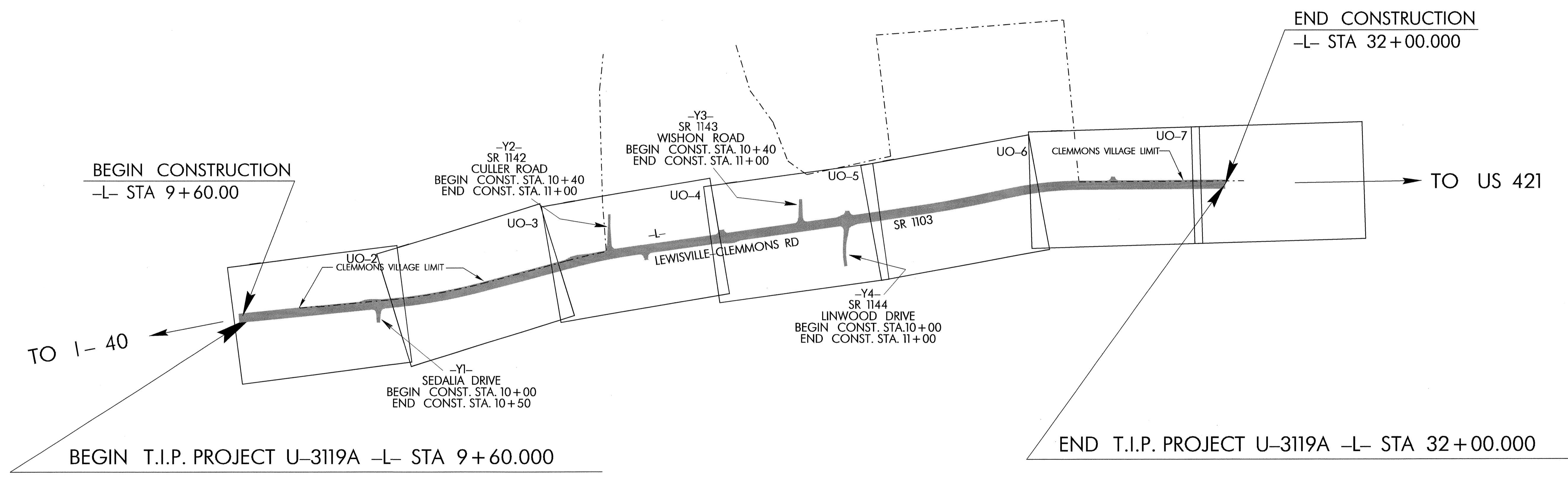
**UTILITY BY OTHERS PLANS
FORSYTH COUNTY**



T.I.P. NO.	SHEET NO.
U-3119A	UO-1

**LOCATION: SR 1103 (LEWISVILLE-CLEMMONS RD.)
FROM SR 1891 (PEACE HAVEN RD.) TO SR 3580
(FOREST OAKS DR.)**

TYPE OF WORK: UTILITIES BY OTHERS



INDEX OF SHEETS

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

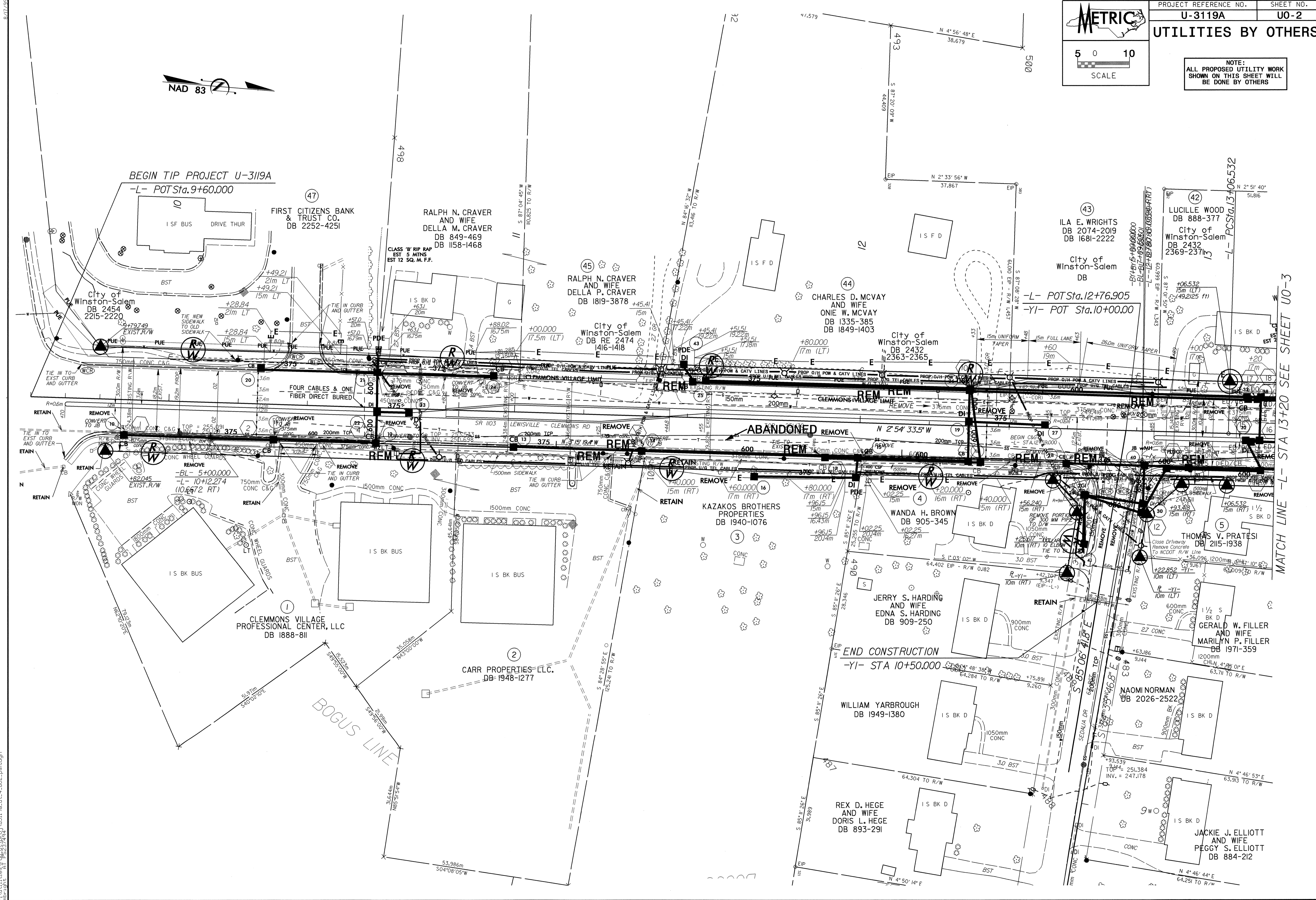
- UTILITY OWNERS ON PROJECT**
- (1) DUKE ENERGY - POWER (DISTRIBUTION)
 - (2) AT&T - TELEPHONE
 - (3) TIME WARNER - CATV
 - (4) PIEDMONT NATURAL GAS

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

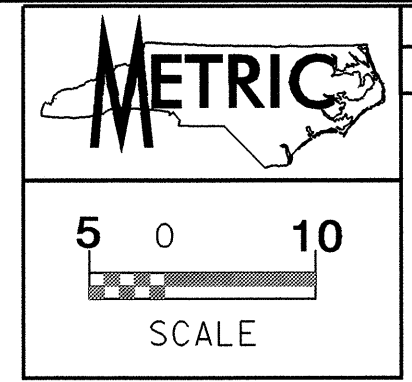
Roger Worthington, P.E. UTILITIES SECTION ENGINEER
R. B. WILKINS, PE UTILITIES SQUAD LEADER PROJECT ENGINEER
MICHAEL R. BRIGHT UTILITIES PROJECT DESIGNER

10-JAN-2008 14:47
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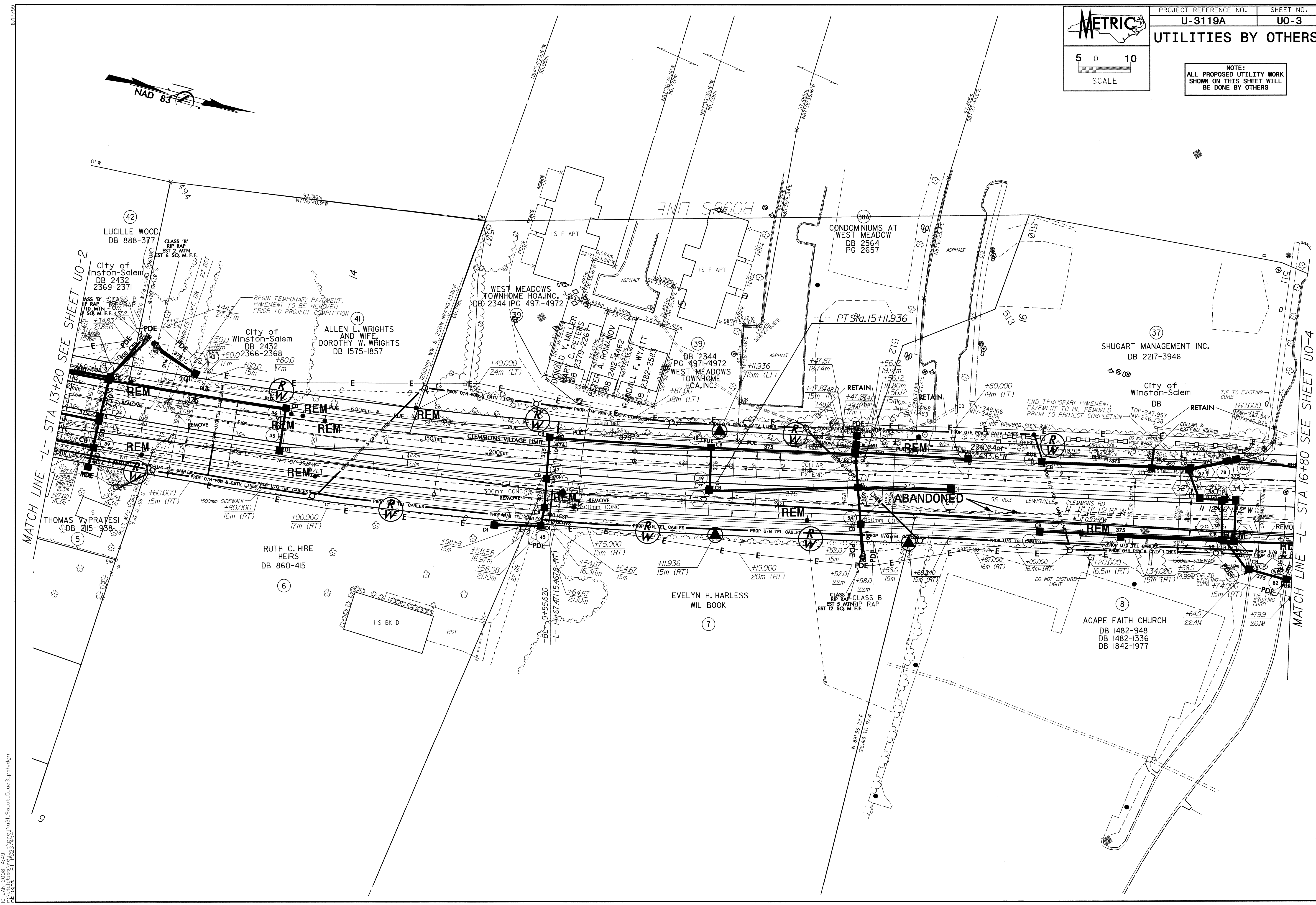
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UTILITIES BY OTHERS

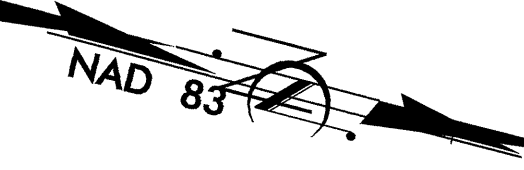
NOTE: ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS

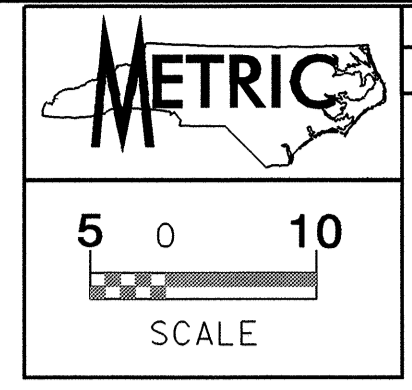


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6/17/2008

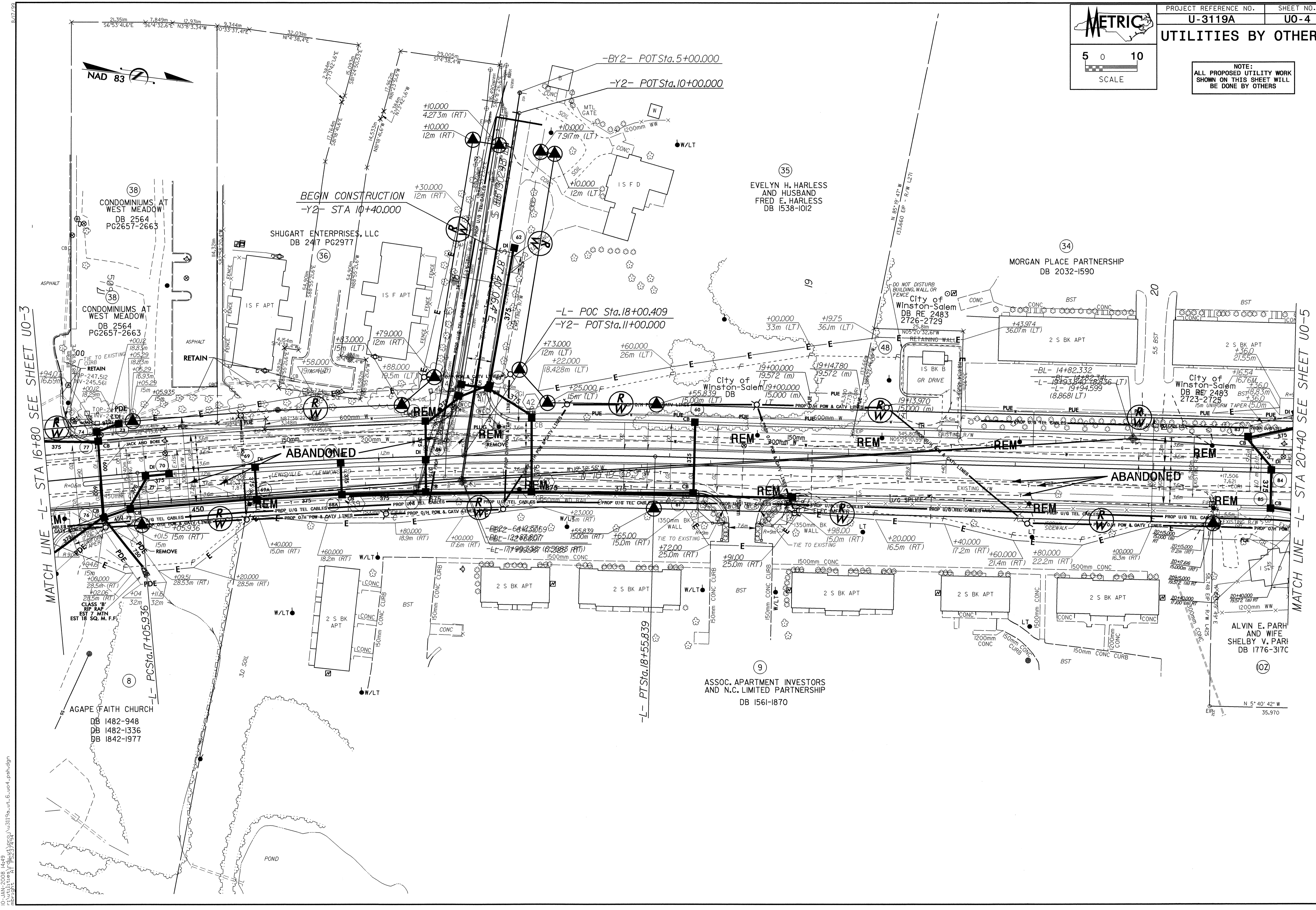
MATCH LINE - L - STA 13+20 SEE SHEET UO-2

MATCH LINE - L - STA 16+80 SEE SHEET UO-4

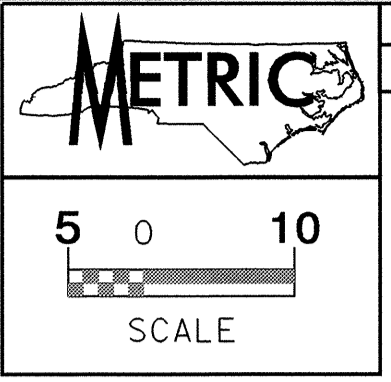




NOTE:
ALL PROPOSED UTILITY WORK
SHOWN ON THIS SHEET WILL
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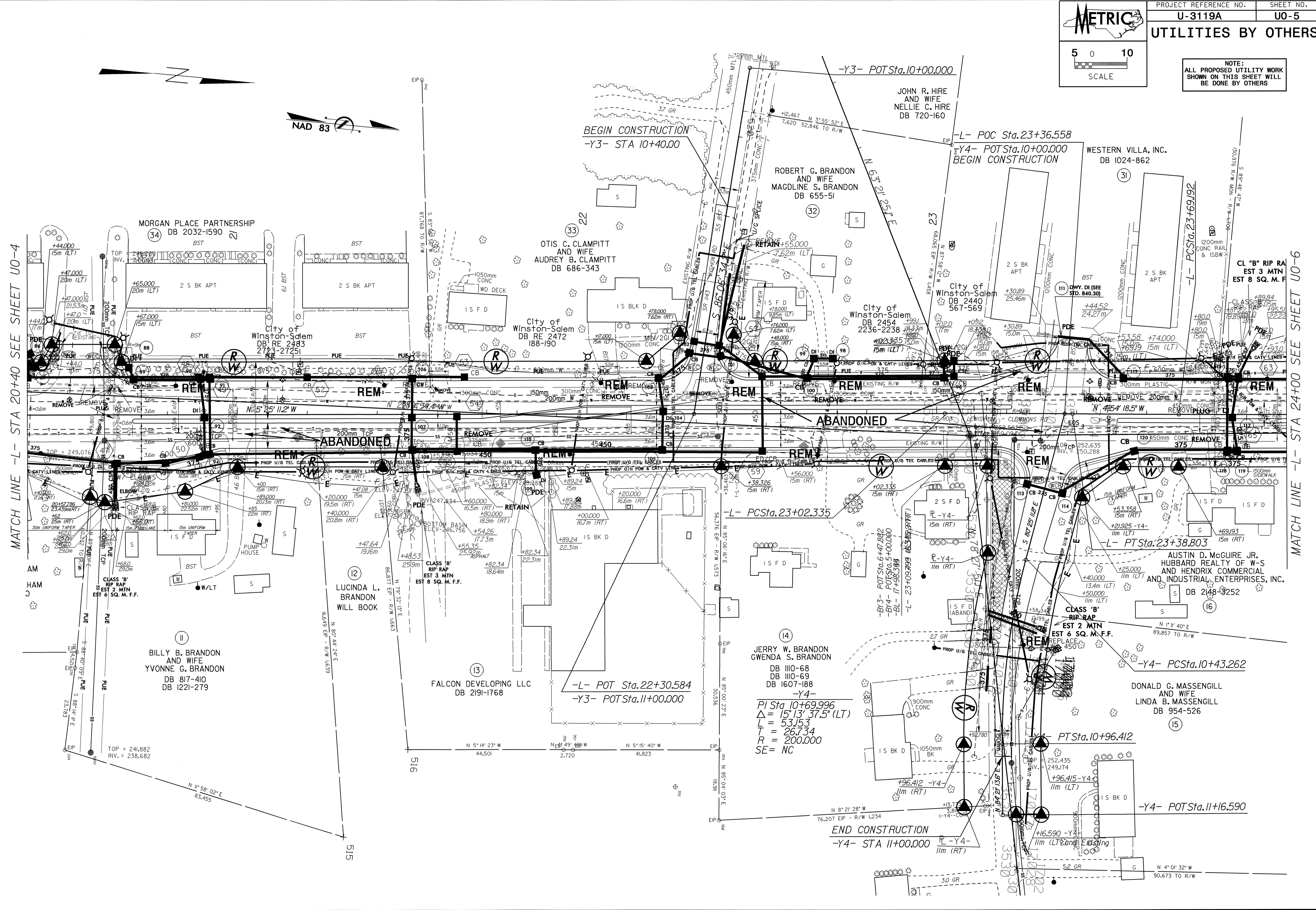


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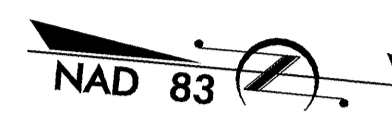
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MATCH LINE -L- STA 20+40 SEE SHEET UO-4

MATCH LINE -L- STA 24+00 SEE SHEET UO-6



14
JERRY W. BRANDON
GWENDA S. BRANDON
DB 110-68
DB 110-69
DB 1607-188
-Y4-
PI Sta 10+69.996
Δ = 15° 13' 37.5" (LT)
L = 53.153
T = 26.734
R = 200.000
SE = NC

15
DONALD G. MASSENGILL
AND WIFE
LINDA B. MASSENGILL
DB 954-526

11
BILLY B. BRANDON
AND WIFE
YVONNE G. BRANDON
DB 817-410
DB 1221-279

12
LUCINDA L.
BRANDON
WILL BOOK

13
FALCON DEVELOPING LLC
DB 2191-1768

22
OTIS C. CLAMPITT
AND WIFE
AUDREY B. CLAMPITT
DB 686-343

32
ROBERT G. BRANDON
AND WIFE
MAGLINE S. BRANDON
DB 655-51

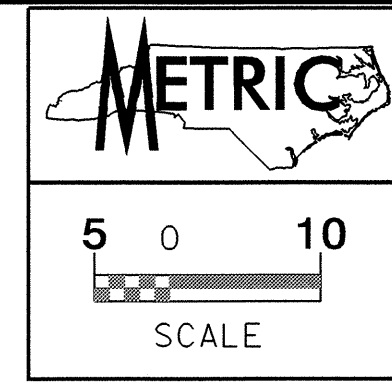
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-Y4- POT Sta.10+00.000
BEGIN CONSTRUCTION

WESTERN VILLA, INC.
DB 1024-862

AUSTIN D. MCGUIRE JR.
HUBBARD REALTY OF W-S
AND HENDRIX COMMERCIAL
AND INDUSTRIAL ENTERPRISES, INC.
DB 2148-3252

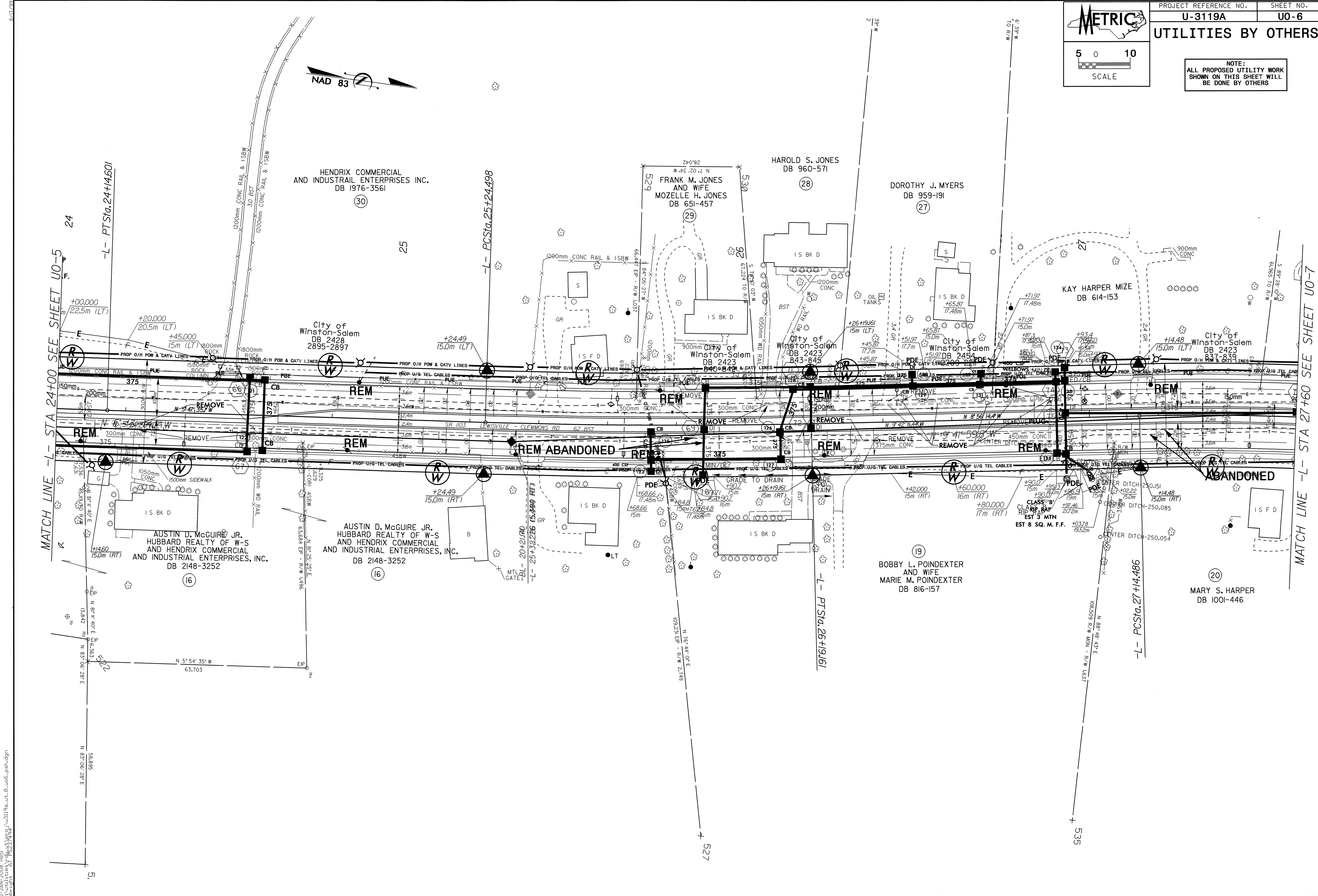
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DONALD G. MASSENGILL
AND WIFE
LINDA B. MASSENGILL
DB 954-526

END CONSTRUCTION
-Y4- STA 11+00.000



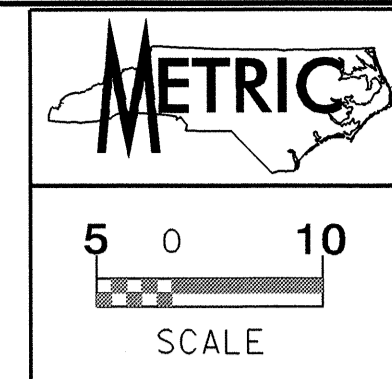
UTILITIES BY OTHERS

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

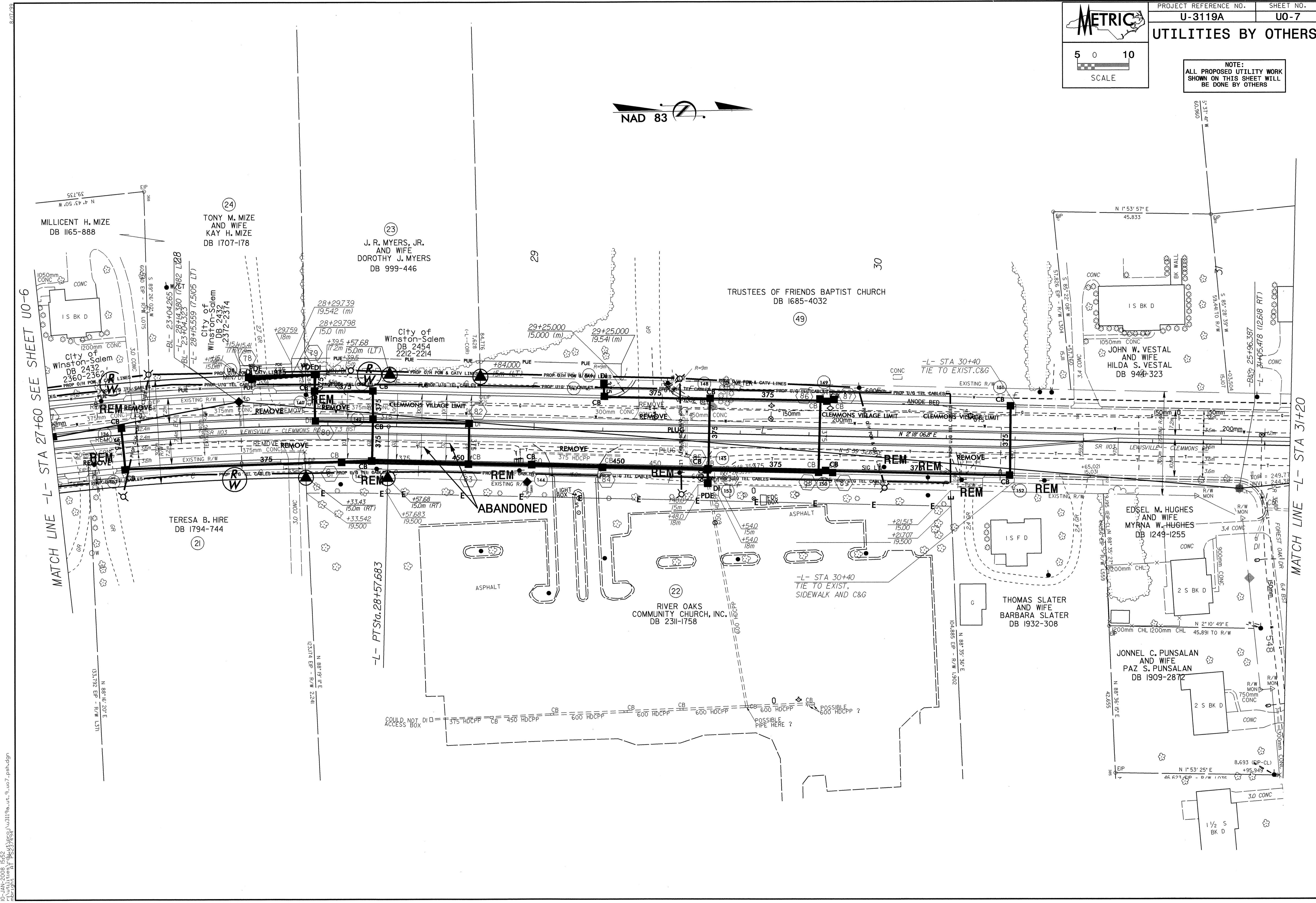
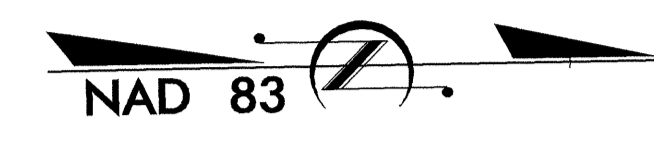


MATCH LINE -L- STA 24+00 SEE SHEET UO-5

MATCH LINE -L- STA 27+60 SEE SHEET UO-7



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



10-JAN-2008 16:52
C:\utilities\3119a\3119a_ut_9_uo7_pah.dgn

MATCH LINE -L- STA 27+60 SEE SHEET U0-6

MATCH LINE -L- STA 31+20

MILLICENT H. MIZE
DB 1165-888

(24)
TONY M. MIZE
AND WIFE
KAY H. MIZE
DB 1707-178

(23)
J. R. MYERS, JR.
AND WIFE
DOROTHY J. MYERS
DB 999-446

TRUSTEES OF FRIENDS BAPTIST CHURCH
DB 1685-4032

JOHN W. VESTAL
AND WIFE
HILDA S. VESTAL
DB 944-323

City of
Winston-Salem
DB 2432
2360-2362

City of
Winston-Salem
DB 2454
2212-2214

(21)
TERESA B. HIRE
DB 1794-744

ABANDONED

(22)
RIVER OAKS
COMMUNITY CHURCH, INC.
DB 2311-1758

THOMAS SLATER
AND WIFE
BARBARA SLATER
DB 1932-308

EDSEL M. HUGHES
AND WIFE
MYRNA W. HUGHES
DB 1249-1255

JONNEL C. PUNSALAN
AND WIFE
PAZ S. PUNSALAN
DB 1909-2872

1 1/2 S
BK D