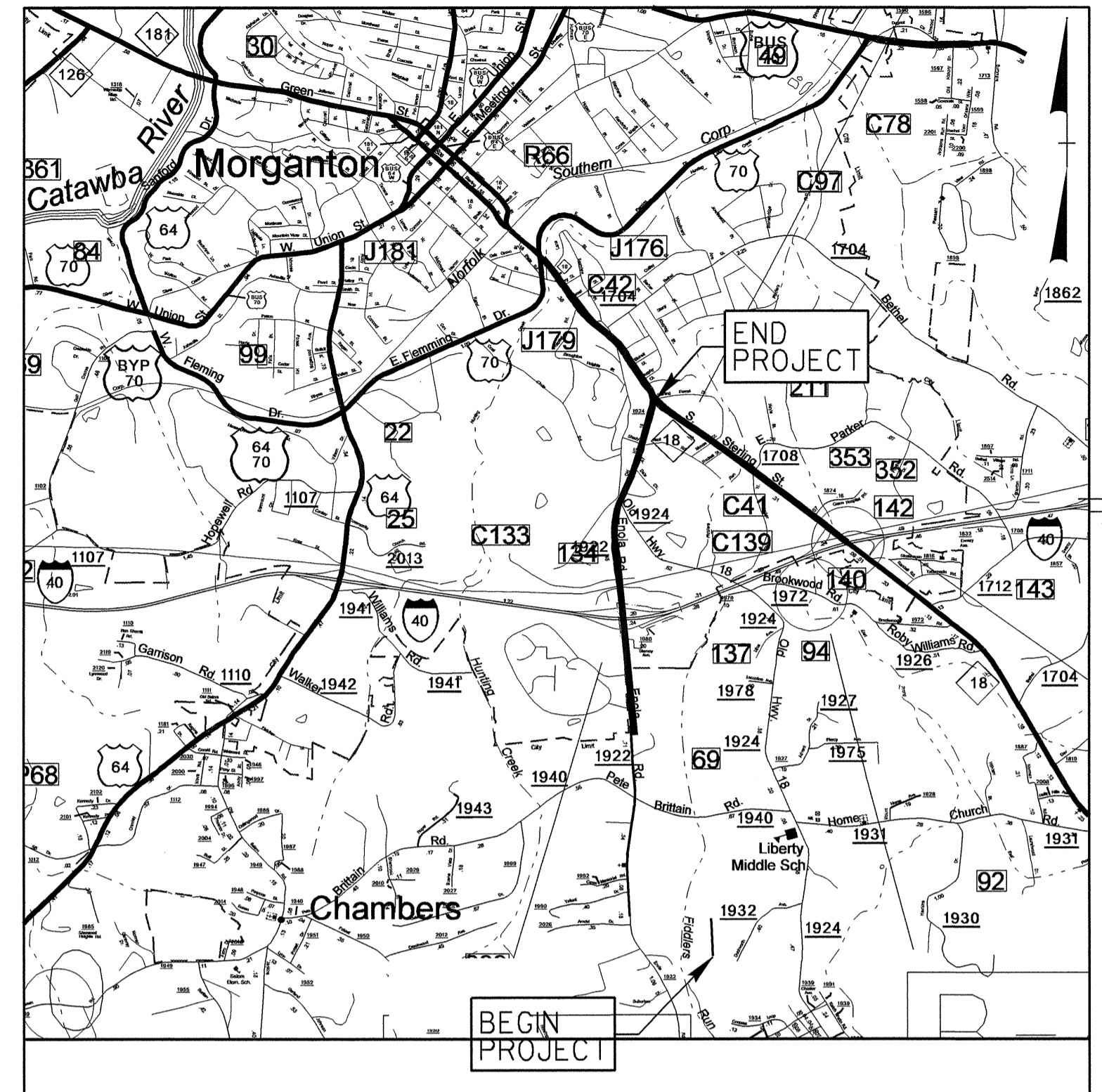


09/08/09

See Sheet 1-A For Index of Sheets
See Sheet 1-B For Conventional Symbols

T.I.P. NO.	SHEET NO.
U-2551	UC-1



VICINITY MAP

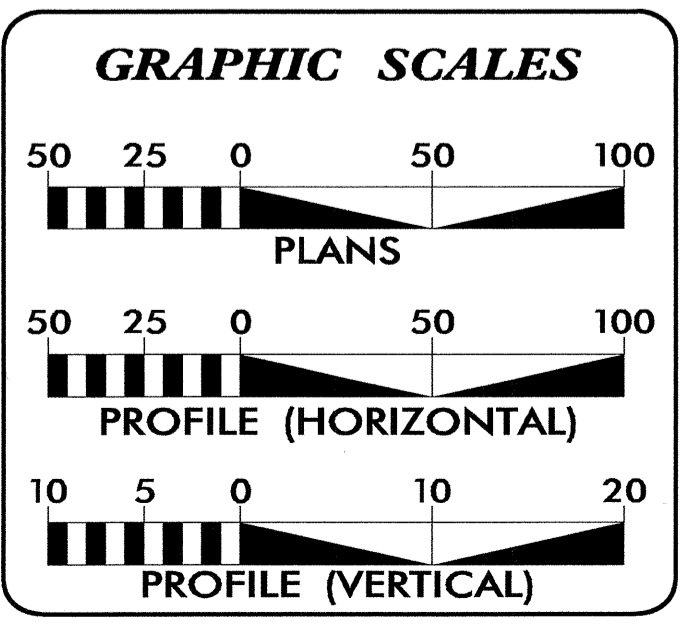
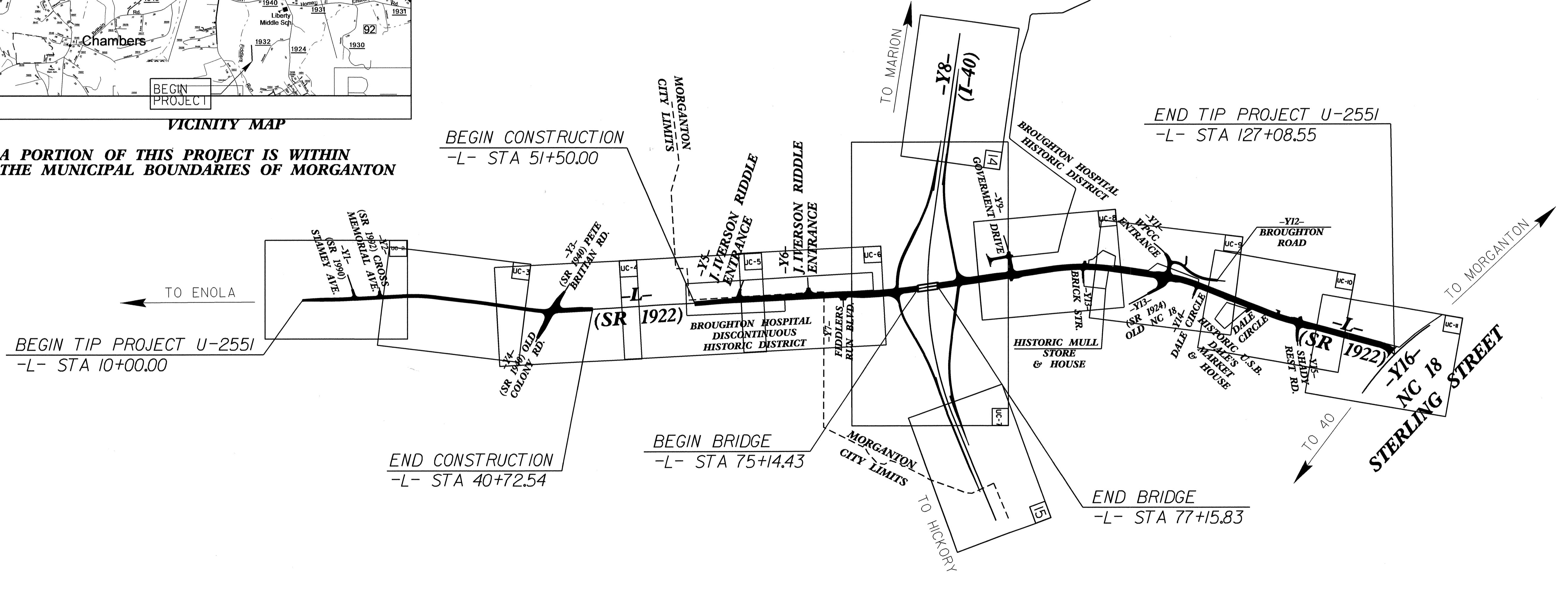
A PORTION OF THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF MORGANTON

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

UTILITY CONSTRUCTION PLANS BURKE COUNTY

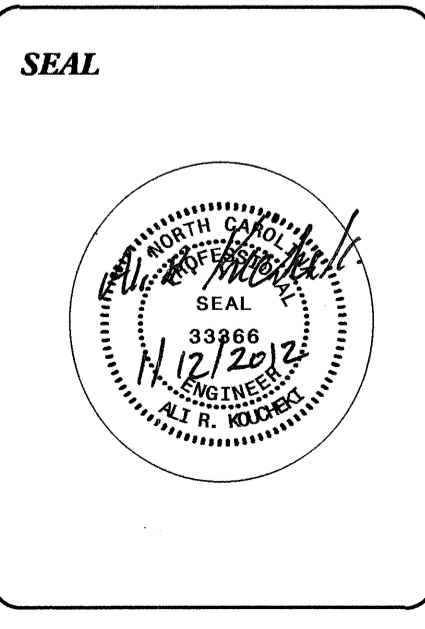
LOCATION: SR 1922 (Enola Rd)/SR 1924 (Old NC 18) from South of Pete Brittan (SR 1940) Road to NC 18

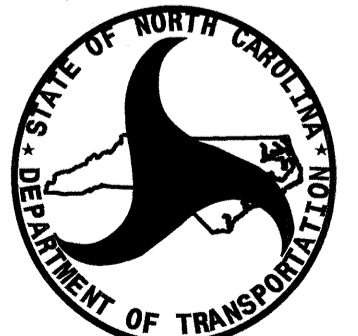
TYPE OF WORK: WATER AND SEWER LINES RELOCATION



INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
UC-1	TITLE SHEET
UC-2 THRU UC-11	UTILITY CONSTRUCTION PLAN SHEETS
UC-12 THRU UC-13	PROFILE SHEETS
UC-14	DETAIL SHEET

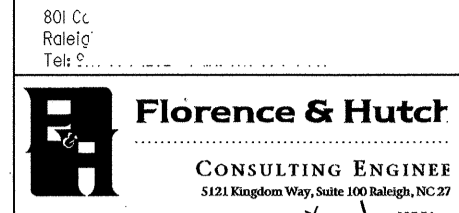
WATER AND SEWER OWNERS ON PROJECT
(1) WATER CITY OF MORGANTON
(2) SANITARY SEWER CITY OF MORGANTON
(3) WATER BROUGHTON HOSPITAL



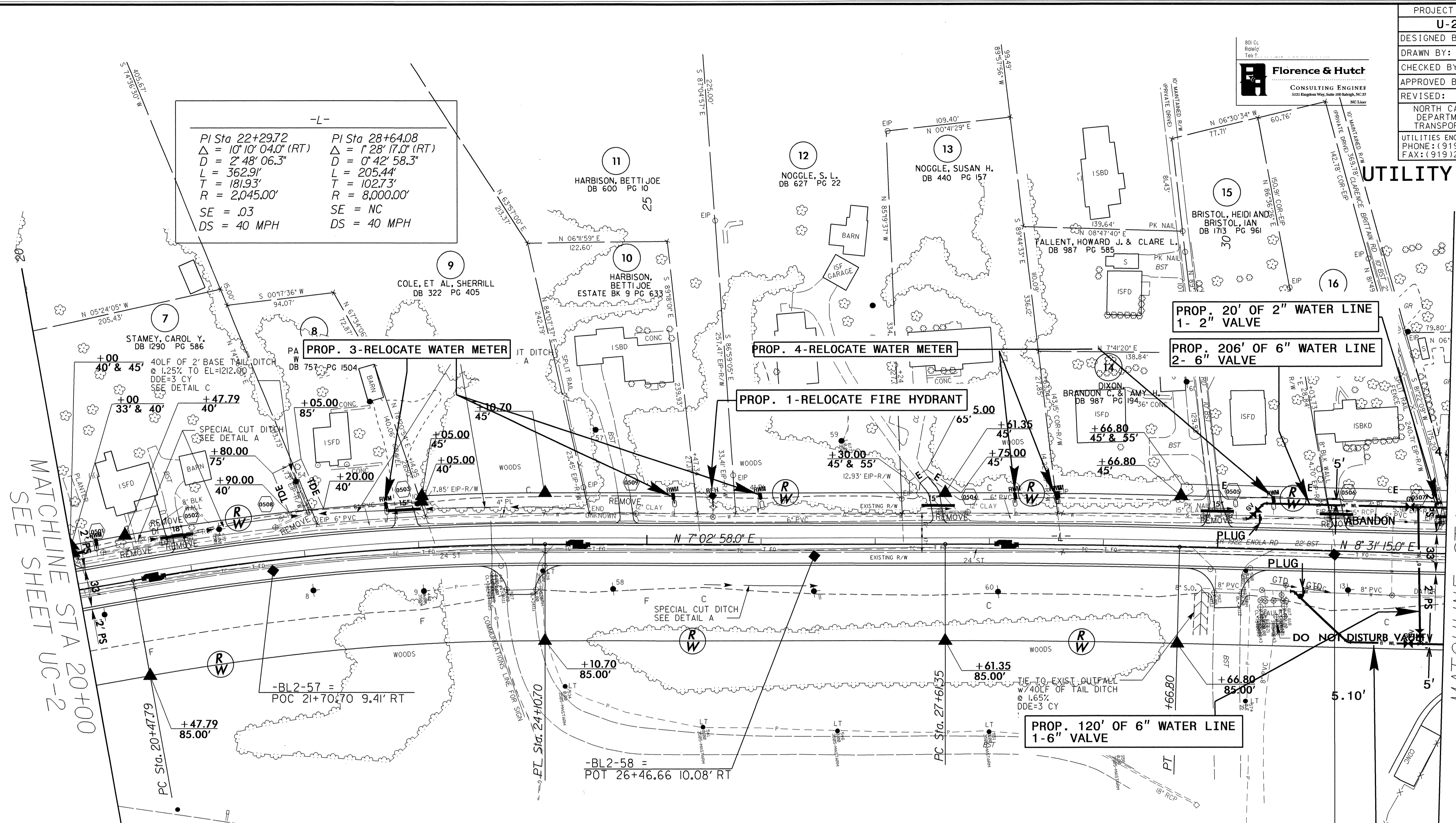

 PREPARED IN THE OFFICE OF:
DIVISION OF HIGHWAYS
UTILITIES ENGINEERING SECTION
 1591 MAIL SERVICES CENTER
 RALEIGH NC 27699-1591
 PHONE (919) 707-6690
 FAX (919) 250-4151

Roger Worthington, P.E. UTILITIES SECTION ENGINEER
Carl Barclay, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
Ali Kouchehi, PE UTILITIES PROJECT DESIGNER

12-JAN-2012 08:24
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 \$\$\$USERNAME\$\$\$



UTILITY CONSTRUCTION

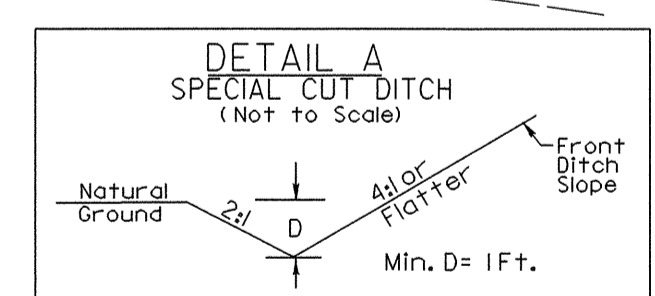


MATCHLINE STA 20+00
SEE SHEET UC-2

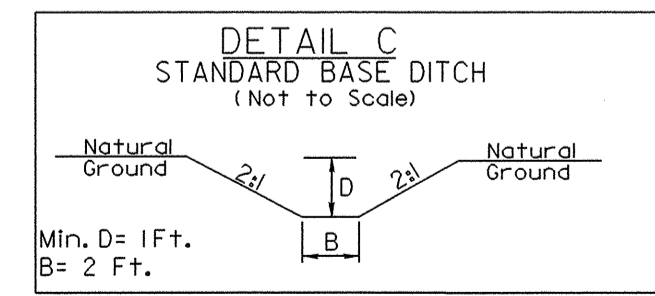
MATCHLINE STA 32+00
SEE SHEET UC-4

-L-

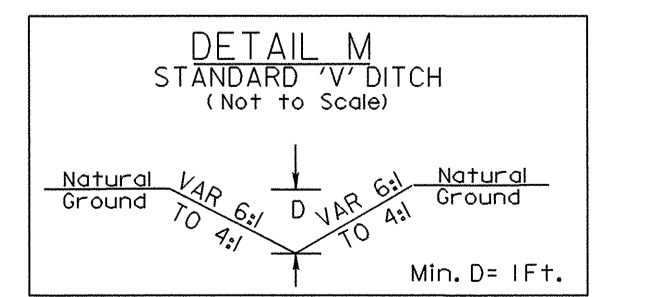
PI Sta 22+29.72 Δ = 10°10' 04.0" (RT) D = 2' 48" 06.3" L = 362.91' T = 181.93' R = 2,045.00' SE = .03 DS = 40 MPH	PI Sta 28+64.08 Δ = 1°28' 17.0" (RT) D = 0' 42" 58.3" L = 205.44' T = 102.73' R = 8,000.00' SE = NC DS = 40 MPH
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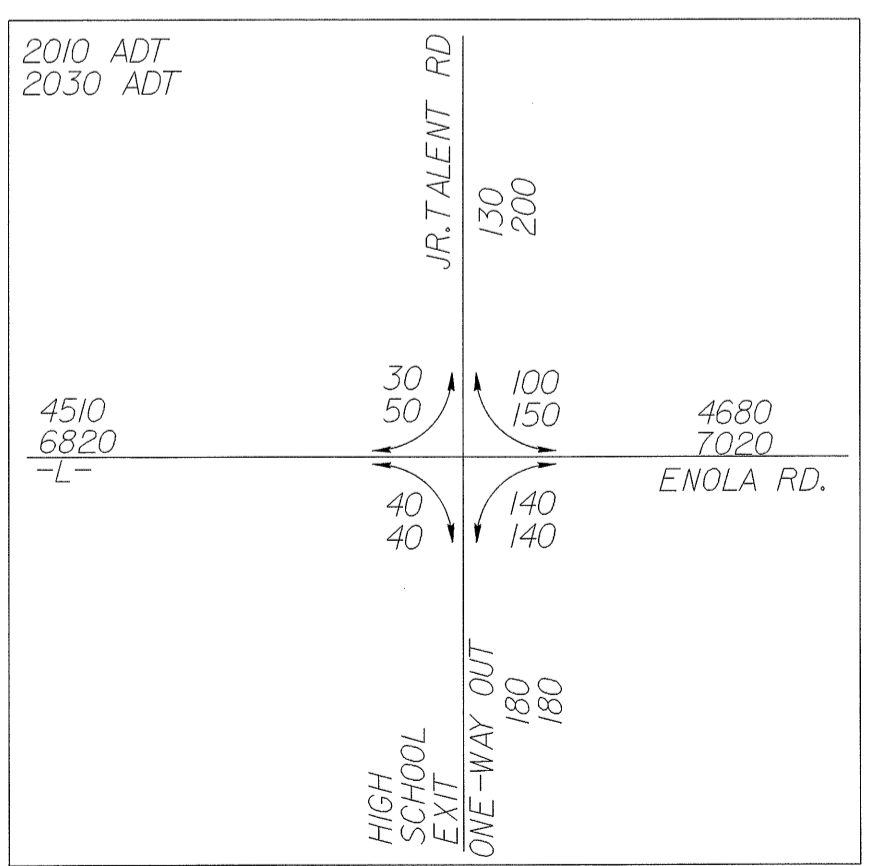
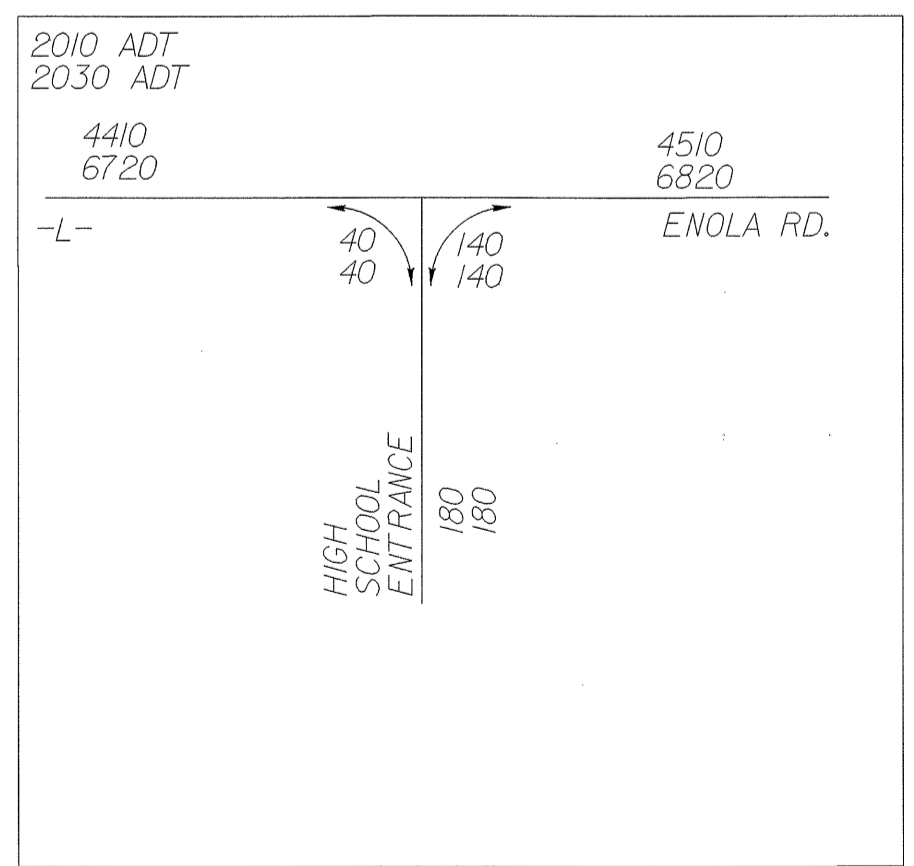
FROM STA. 20+10 TO STA. 20+82 -L- LT
 FROM STA. 21+06 TO STA. 24+70 -L- LT
 FROM STA. 25+50 TO STA. 26+50 -L- RT



FROM STA. 22+07 -L- LT



FROM STA. 29+75 -L- RT



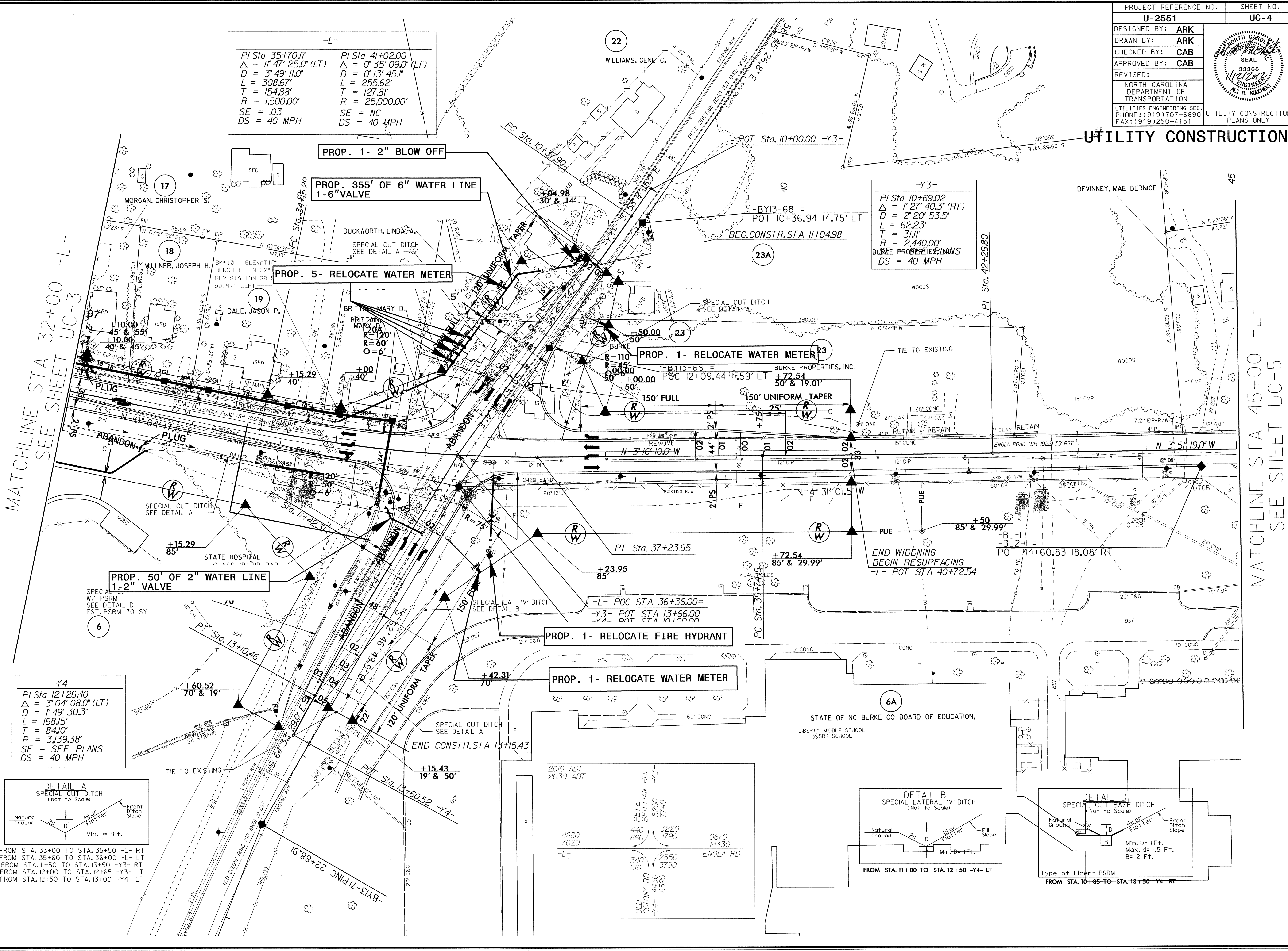
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BURKE COUNTY
DB 1530 PG 247

5/14/99

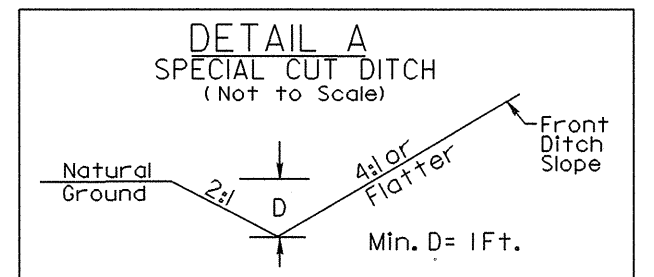
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UTILITY CONSTRUCTION

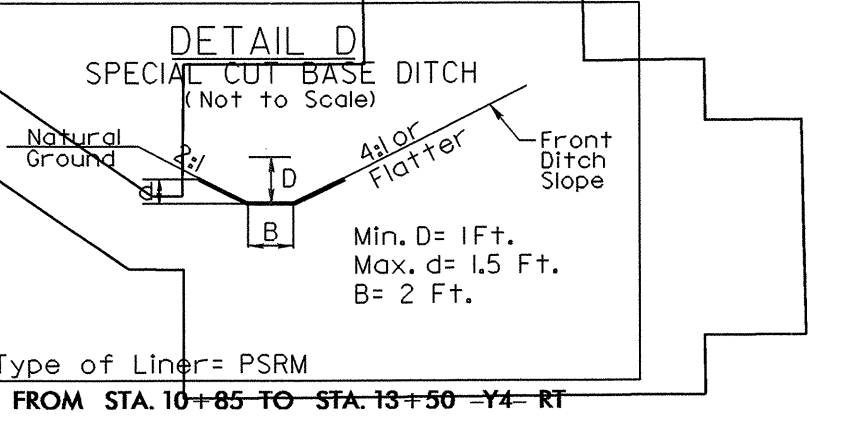
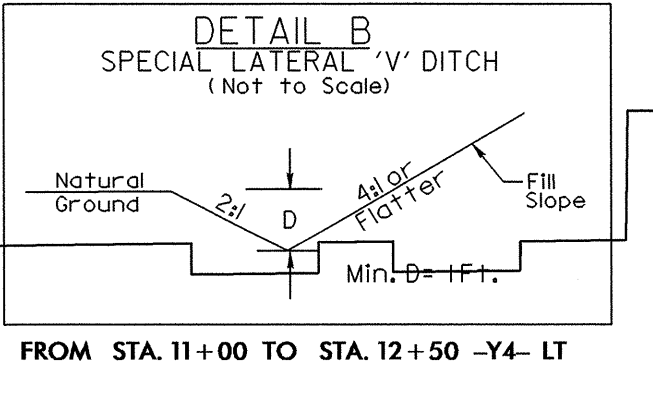
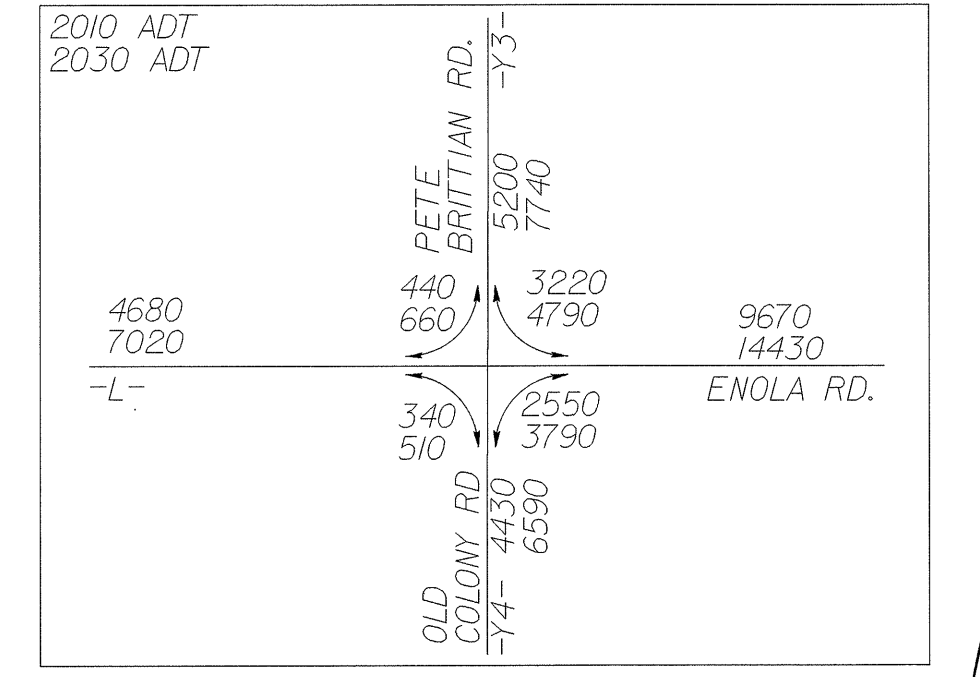
5/14/99



-Y4-
 PI Sta 12+26.40
 Δ = 3° 04' 08.0" (LT)
 D = 1° 49' 30.3"
 L = 168.15'
 T = 84.10'
 R = 3,139.38'
 SE = SEE PLANS
 DS = 40 MPH



FROM STA. 33+00 TO STA. 35+50 -L- RT
 FROM STA. 35+60 TO STA. 36+00 -L- LT
 FROM STA. 11+50 TO STA. 13+50 -Y3- RT
 FROM STA. 12+00 TO STA. 12+65 -Y3- LT
 FROM STA. 12+50 TO STA. 13+00 -Y4- LT



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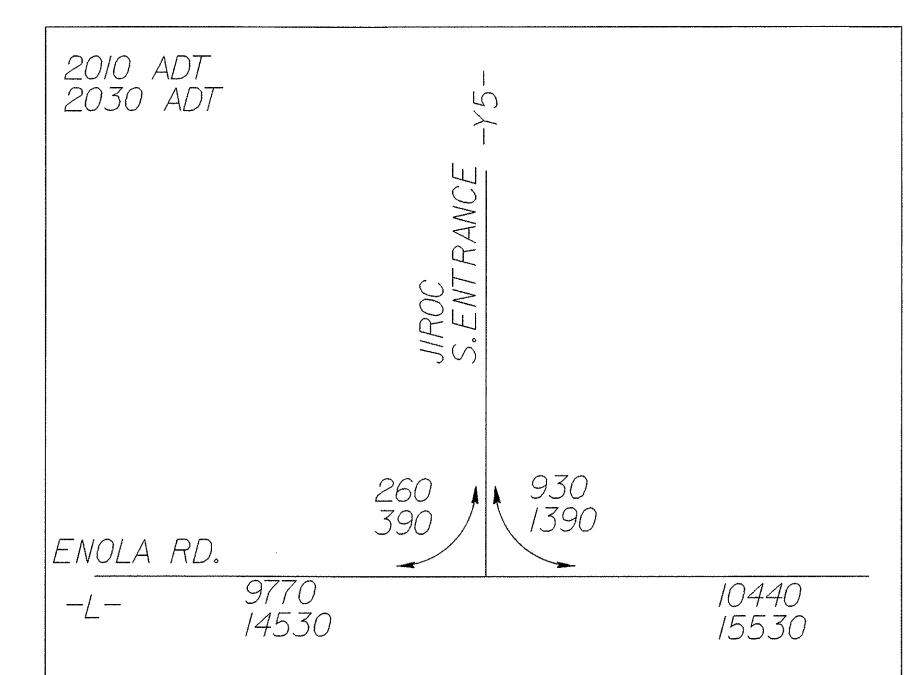
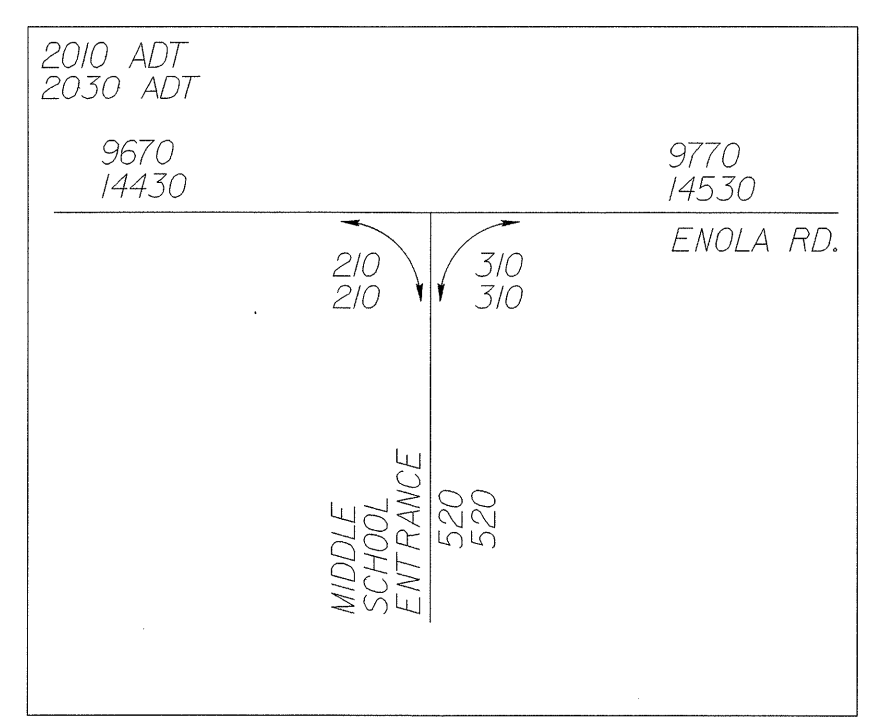
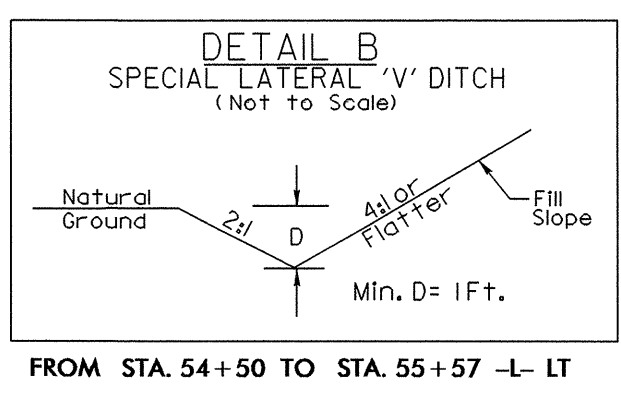
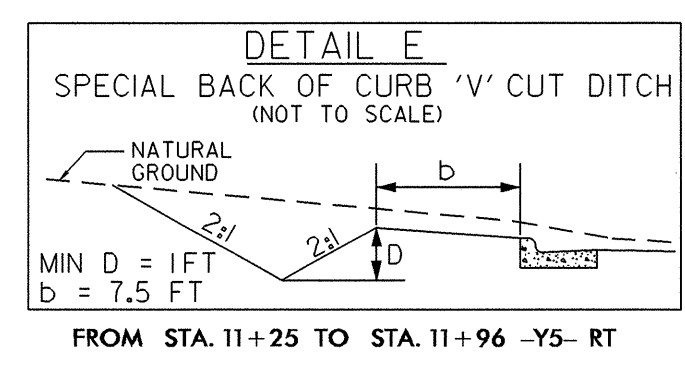
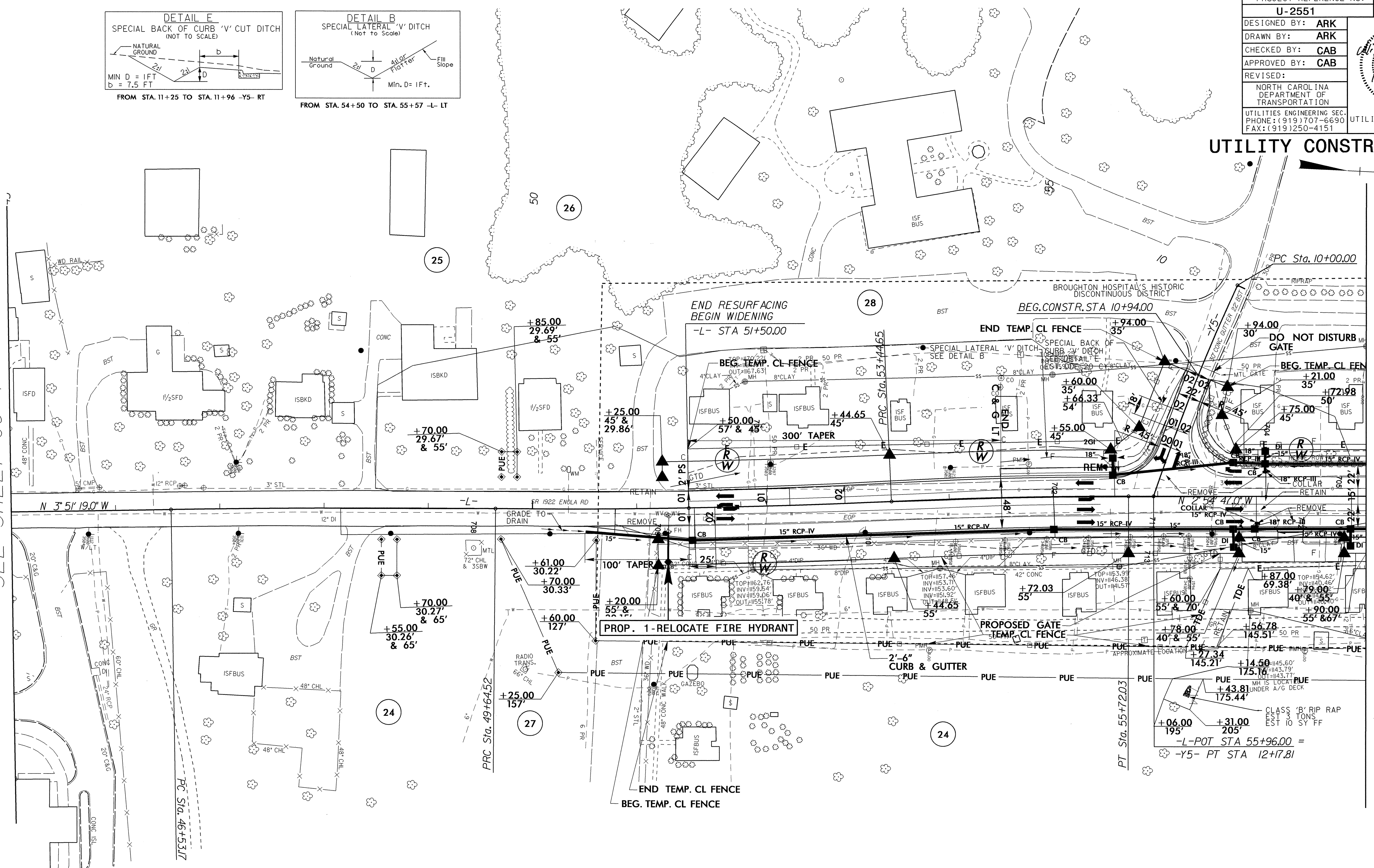
FROM STA. 11+00 TO STA. 12+50 -Y4- LT
 FROM STA. 10+85 TO STA. 13+50 -Y4- RT



UTILITY CONSTRUCTION

MATCHLINE STA 45+00 -L-
SEE SHEET UC-4

MATCHLINE STA 45+00 -L-
SEE SHEET UC-6



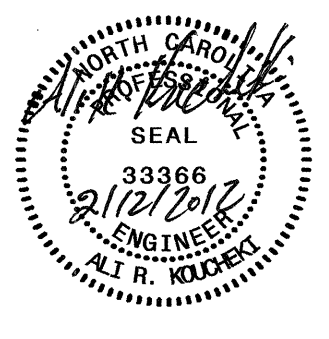
-L-

PI Sta 48+08.85 Δ = 1° 22' 20.0" (RT) D = 0° 26' 26.7" L = 311.35' T = 155.68' R = 13,000.00' SE = EXIST.	PI Sta 51+54.63 Δ = 3° 02' 08.0" (LT) D = 0° 47' 54.8" L = 380.13' T = 190.11' R = 7,175.00' SE = NC DS = 40 MPH	PI Sta 54+58.36 Δ = 2° 36' 20.0" (RT) D = 1° 08' 45.3" L = 227.38' T = 113.71' R = 5,000.00' SE = NC DS = 40 MPH
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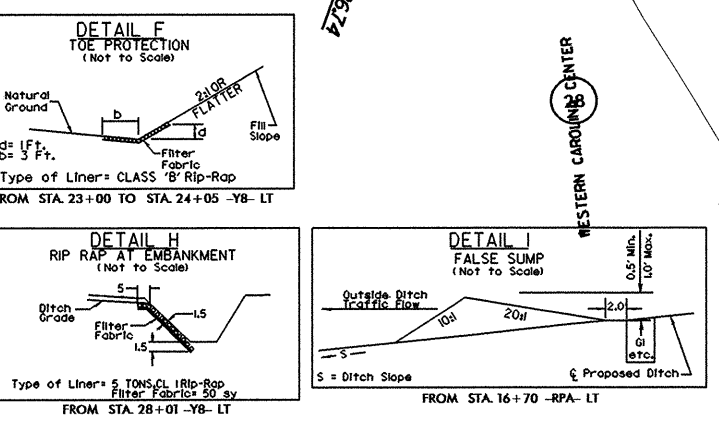
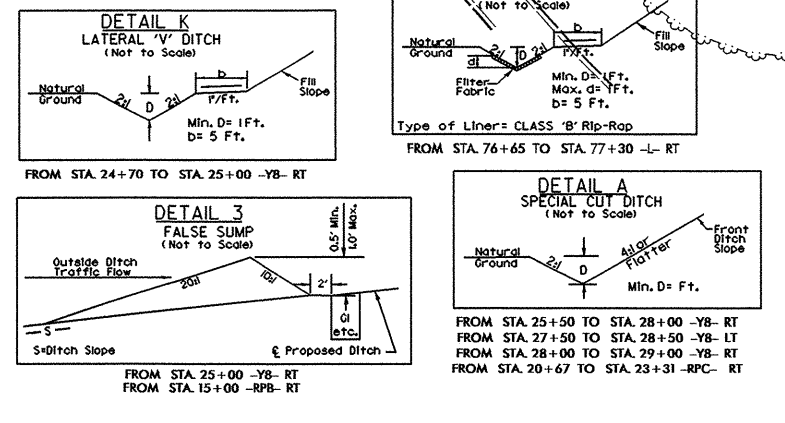
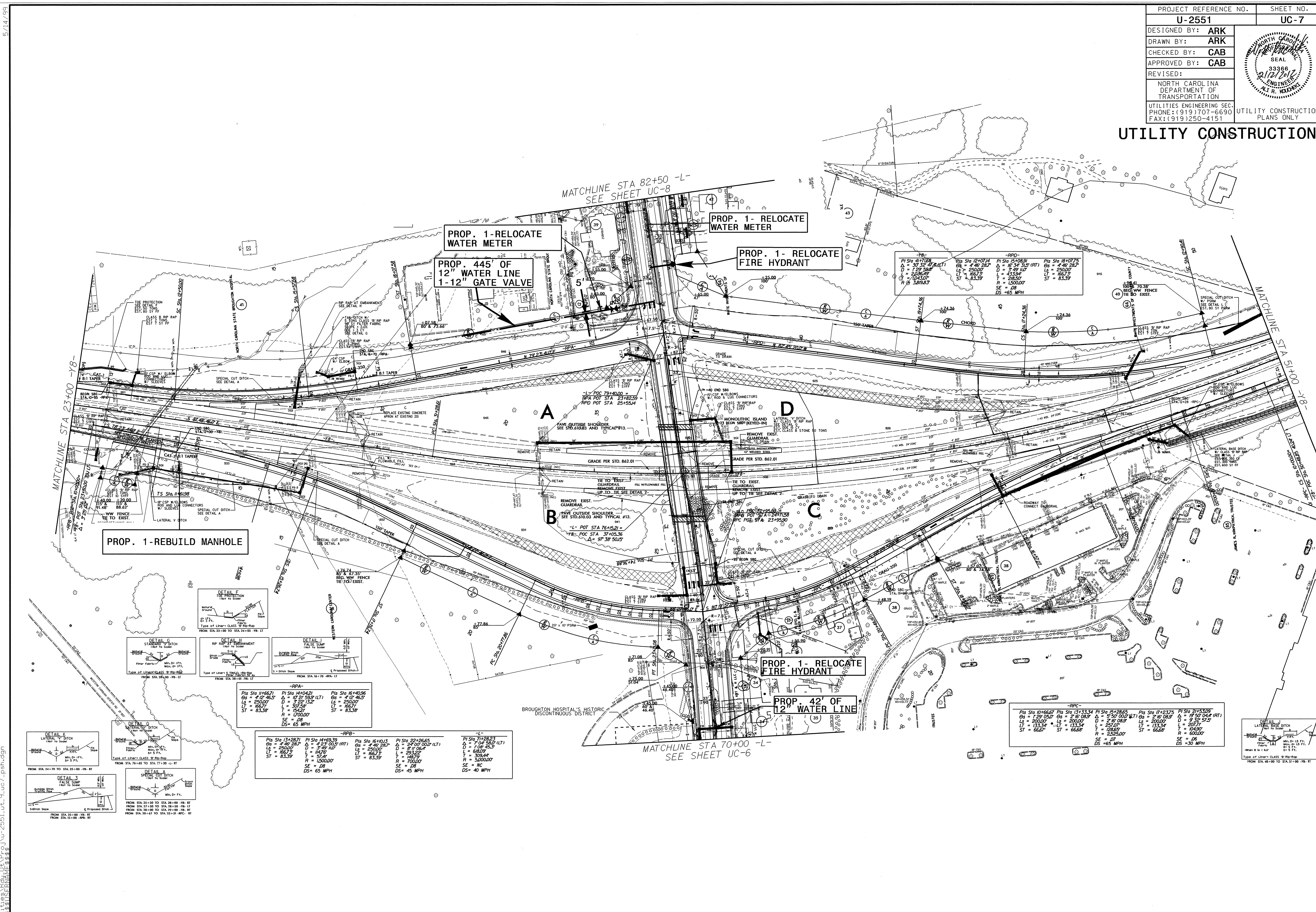
-Y5-

PI Sta 11+09.02 Δ = 6° 26' 36.8" (LT) D = 2° 57' 30.0" L = 217.81' T = 109.02' R = 1,936.75' SE = SEE PLANS DS = 40 MPH
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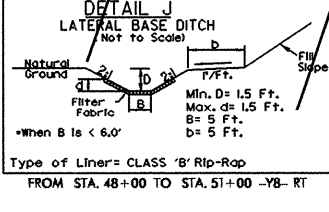
UTILITY CONSTRUCTION



-RPA-		-RFB-	
PI Sta 1146.71	PI Sta 1146.71	PI Sta 1146.71	PI Sta 1146.71
LS = 250.00'	LS = 250.00'	LS = 250.00'	LS = 250.00'
LT = 166.71'	LT = 166.71'	LT = 166.71'	LT = 166.71'
ST = 83.35'	ST = 83.35'	ST = 83.35'	ST = 83.35'
R = 1700.00'	R = 1700.00'	R = 1700.00'	R = 1700.00'
SE = 0.8	SE = 0.8	SE = 0.8	SE = 0.8
DS = 65 MPH	DS = 65 MPH	DS = 65 MPH	DS = 65 MPH

-RPA-		-RFB-	
PI Sta 13+287.1	PI Sta 14+042.1	PI Sta 16+101.3	PI Sta 22+266.5
LS = 250.00'	LS = 250.00'	LS = 250.00'	LS = 250.00'
LT = 166.71'	LT = 166.71'	LT = 166.71'	LT = 166.71'
ST = 83.35'	ST = 83.35'	ST = 83.35'	ST = 83.35'
R = 1700.00'	R = 1700.00'	R = 1700.00'	R = 1700.00'
SE = 0.8	SE = 0.8	SE = 0.8	SE = 0.8
DS = 65 MPH	DS = 65 MPH	DS = 45 MPH	DS = 40 MPH

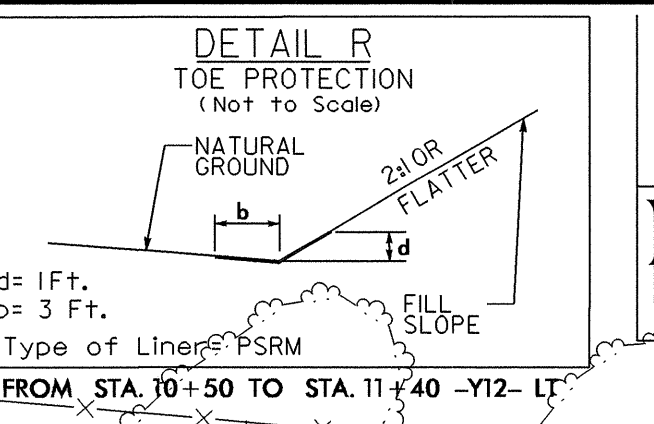
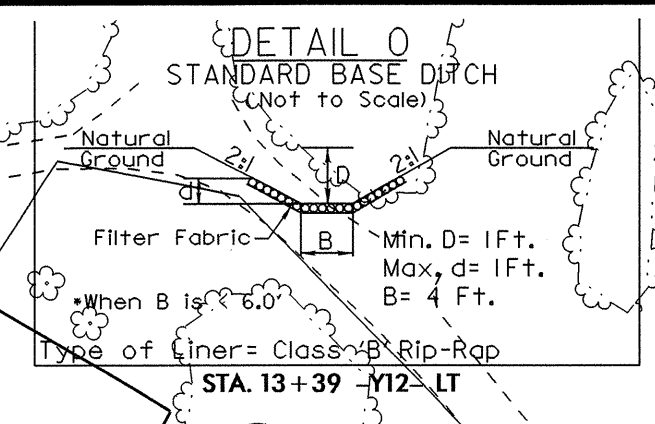
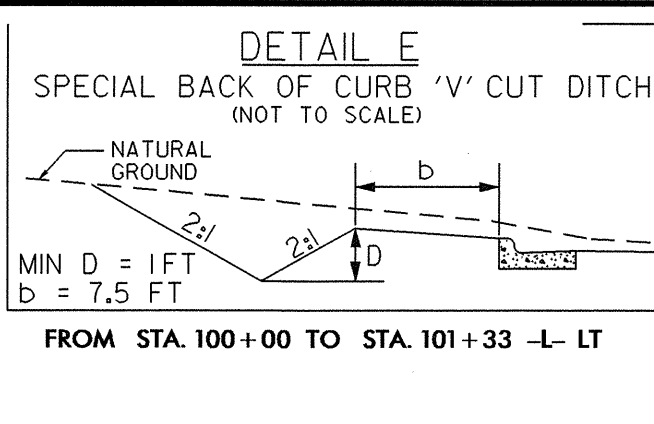
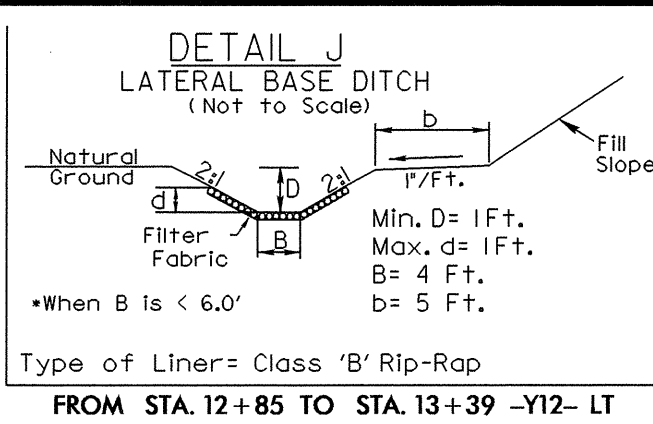
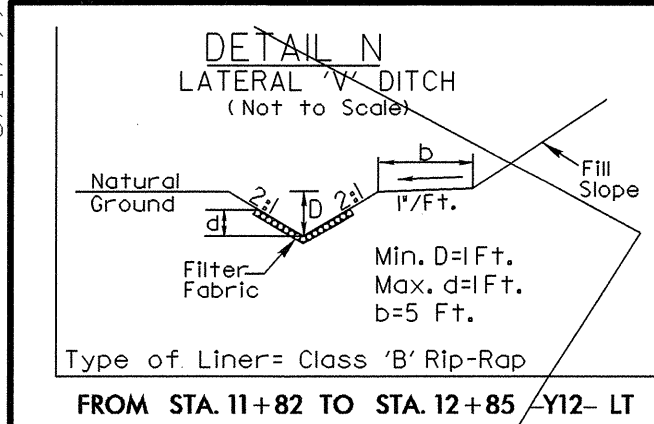
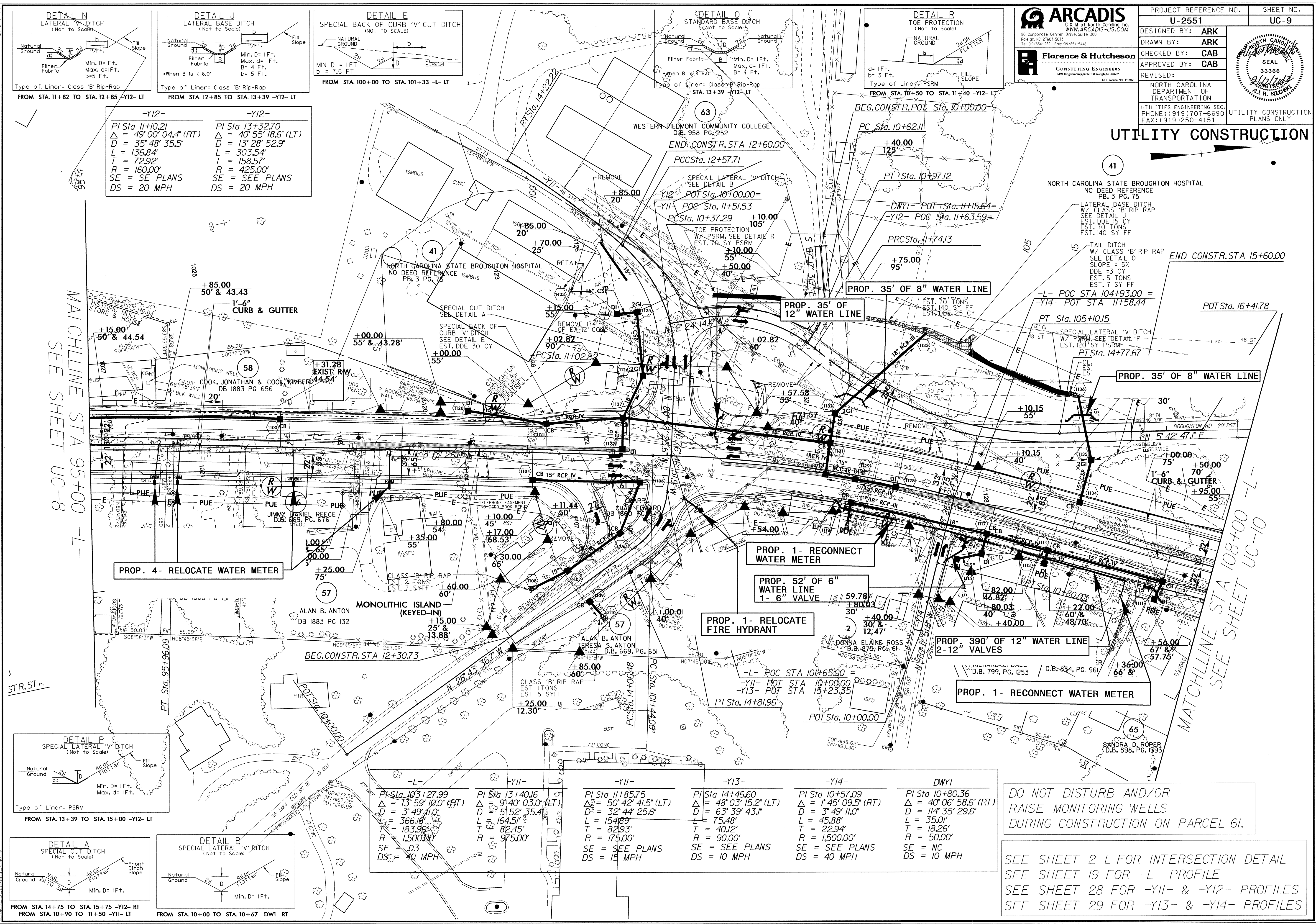
-RPA-		-RFB-	
PI Sta 10+66.67	PI Sta 13+33.34	PI Sta 15+28.65	PI Sta 17+23.75
LS = 250.00'	LS = 250.00'	LS = 250.00'	LS = 250.00'
LT = 133.33'	LT = 133.33'	LT = 133.33'	LT = 133.33'
ST = 66.67'	ST = 66.67'	ST = 66.67'	ST = 66.67'
R = 666.67'	R = 666.67'	R = 666.67'	R = 666.67'
SE = 0.8	SE = 0.8	SE = 0.8	SE = 0.8
DS = 65 MPH	DS = 65 MPH	DS = 30 MPH	DS = 30 MPH



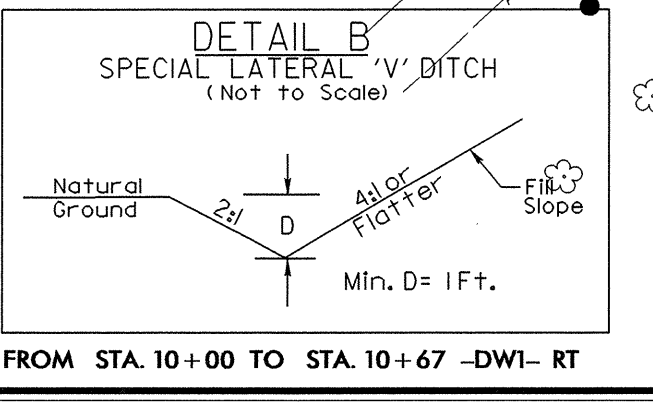
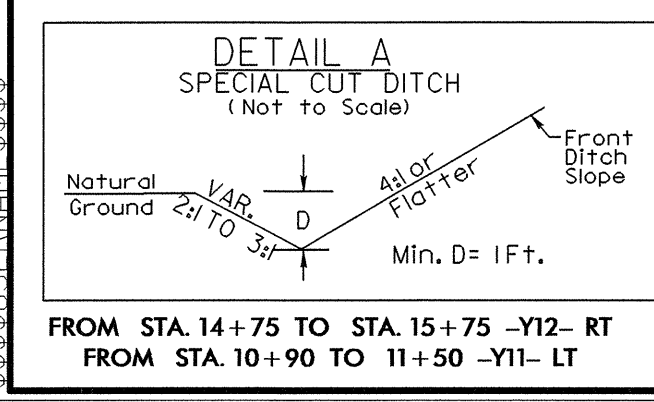
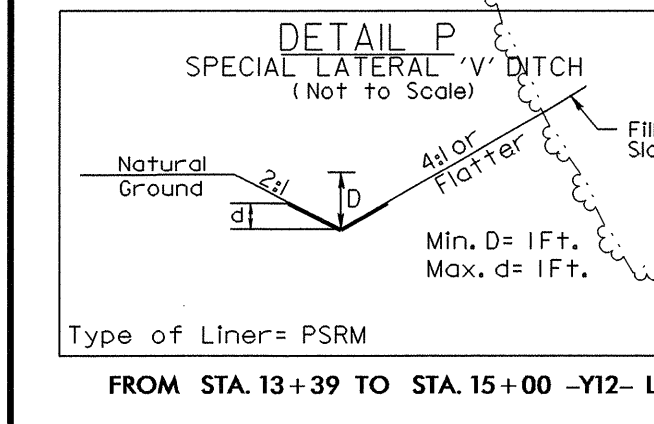
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USER:ARKE



UTILITY CONSTRUCTION



-Y12-	-Y12-
PI Sta 11+10.21	PI Sta 13+32.70
$\Delta = 49^{\circ} 00' 04.4" (RT)$	$\Delta = 40^{\circ} 55' 18.6" (LT)$
D = 35' 48" 35.5"	D = 13' 28" 52.9"
L = 136.84'	L = 303.54'
T = 72.92'	T = 158.57'
R = 160.00'	R = 425.00'
SE = SE PLANS	SE = SEE PLANS
DS = 20 MPH	DS = 20 MPH



-L-	-Y11-
PI Sta 103+27.99	PI Sta 13+40.16
$\Delta = 13^{\circ} 59' 10.0" (RT)$	$\Delta = 91^{\circ} 40' 03.0" (LT)$
D = 3' 49" 11.0"	D = 5' 52" 35.4"
L = 366.18'	L = 164.51'
T = 183.98'	T = 82.45'
R = 1500.80'	R = 975.00'
SE = .03	SE = SEE PLANS
DS = 40 MPH	DS = 15 MPH

-Y11-	-Y13-
PI Sta 11+85.75	PI Sta 14+46.60
$\Delta = 50^{\circ} 42' 41.5" (LT)$	$\Delta = 48^{\circ} 03' 15.2" (LT)$
D = 32' 44" 25.6"	D = 63' 39" 43.1"
L = 154.89'	L = 75.48'
T = 82.93'	T = 40.12'
R = 175.00'	R = 90.00'
SE = SEE PLANS	SE = SEE PLANS
DS = 15 MPH	DS = 10 MPH

-Y14-	-DW1-
PI Sta 10+57.09	PI Sta 10+80.36
$\Delta = 1^{\circ} 45' 09.5" (RT)$	$\Delta = 40^{\circ} 06' 58.6" (RT)$
D = 3' 49" 11.0"	D = 114' 35" 29.6"
L = 45.88'	L = 35.01'
T = 22.94'	T = 18.26'
R = 1500.00'	R = 50.00'
SE = SEE PLANS	SE = NC
DS = 40 MPH	DS = 10 MPH

DO NOT DISTURB AND/OR RAISE MONITORING WELLS DURING CONSTRUCTION ON PARCEL 61.

SEE SHEET 2-L FOR INTERSECTION DETAIL
 SEE SHEET 19 FOR -L- PROFILE
 SEE SHEET 28 FOR -Y11- & -Y12- PROFILES
 SEE SHEET 29 FOR -Y13- & -Y14- PROFILES

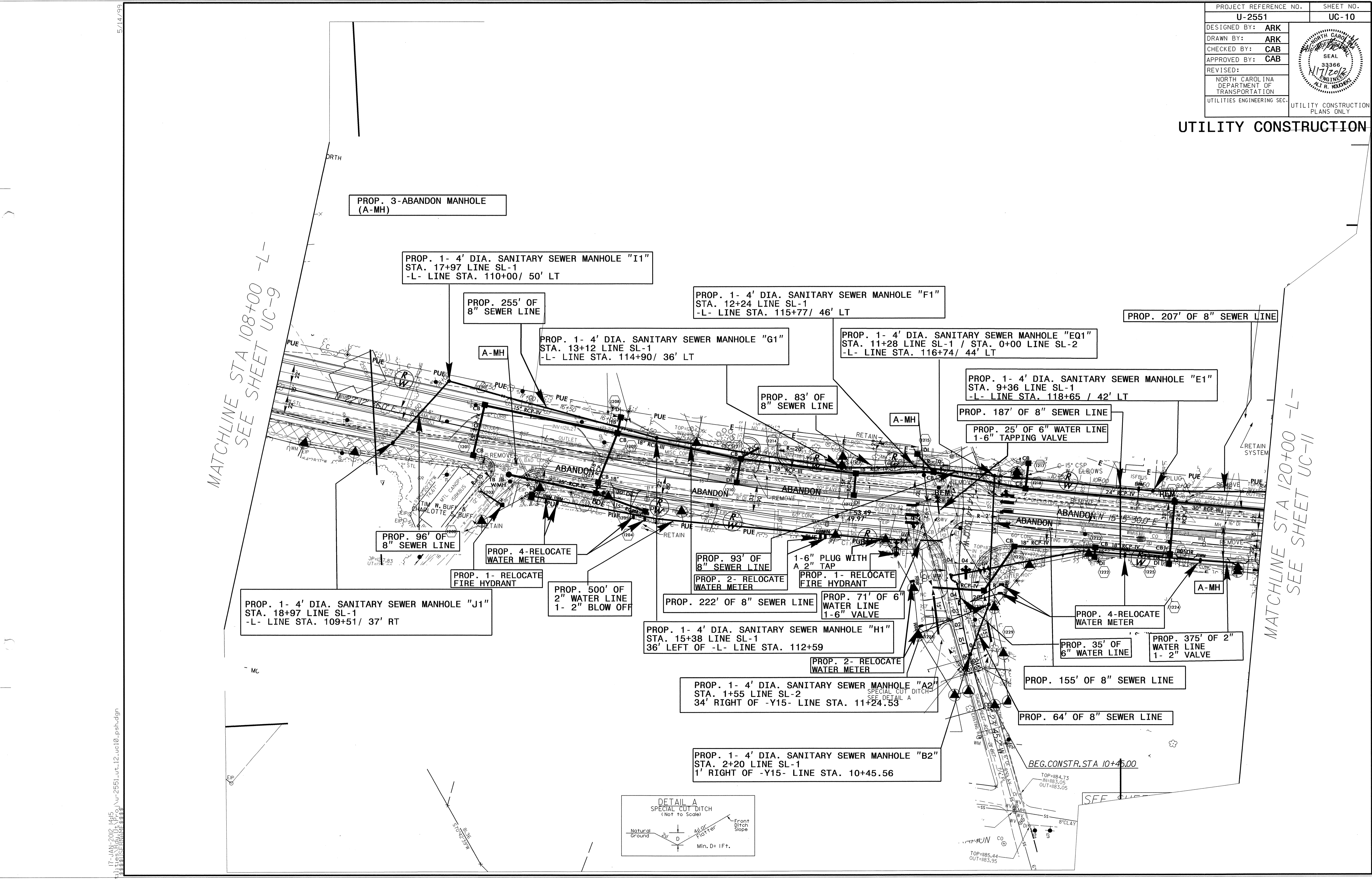
MATCHLINE STA 95+00 -L- SEE SHEET UC-8

MATCHLINE STA 108+00 -L- SEE SHEET UC-10

5/14/09
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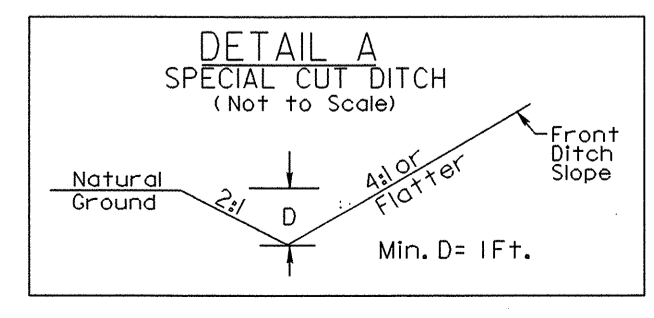
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DESIGNED BY: ARK	
DRAWN BY: ARK	
CHECKED BY: CAB	
APPROVED BY: CAB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC.	
UTILITY CONSTRUCTION PLANS ONLY	

UTILITY CONSTRUCTION



MATCHLINE STA 108+00 -L-
SEE SHEET UC-9

MATCHLINE STA 120+00 -L-
SEE SHEET UC-11



5/14/09

17-JAN-2012 14:45
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PROJECT REFERENCE NO.	SHEET NO.
U-2551	UC-11
DESIGNED BY: ARK	
DRAWN BY: ARK	
CHECKED BY: CAB	
APPROVED BY: CAB	
REVISED:	UTILITY CONSTRUCTION PLANS ONLY
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SECTION PHONE: (919) 707-6690 FAX: (919) 250-4151	

-L-	-Y16-
PI Sta 125+86.26	PI Sta 15+26.26
$\Delta = 30' 18" 54.0" (RT)$	$\Delta = 19' 44" 07.0" (RT)$
$D = 20' 27" 46.0"$	$D = 1' 59" 59.9"$
$L = 148.15'$	$L = 986.78'$
$T = 75.85'$	$T = 498.32'$
$R = 280.00'$	$R = 2,864.82'$
SE = SEE PLANS	
DS = 30 MPH	

MATCHLINE STA 108+00 -L-
SEE SHEET UC-11

PROP. 1- 4' DIA. SANITARY SEWER MANHOLE "C1"
STA. 5+70 LINE SL-1
-L- LINE STA. 122+30/ 60' LT.

PROP. 1- 4' DIA. SANITARY SEWER MANHOLE "B1"
STA. 1+97 LINE SL-1
-L- LINE STA. 125+84/ 78' LT.

PROP. 152' OF 8" SEWER LINE

PROP. 370' OF 8" SEWER LINE

PROP. 70' OF 8" SEWER LINE

PROP. 1- REMOVE EXIST. MANHOLE

NOTE: REMOVE EXISTING SANITARY SEWER MANHOLE AND EXTEND THE LINE 70' TO A NEW MANHOLE

PROP. 2- RELOCATE WATER METER

1-6" PLUG WITH A 2" TAP

PROP. 2- RELOCATE WATER METER

PROP. 60' OF 6" WATER LINE
1-6" VALVE

PROP. 400' OF 2" WATER LINE

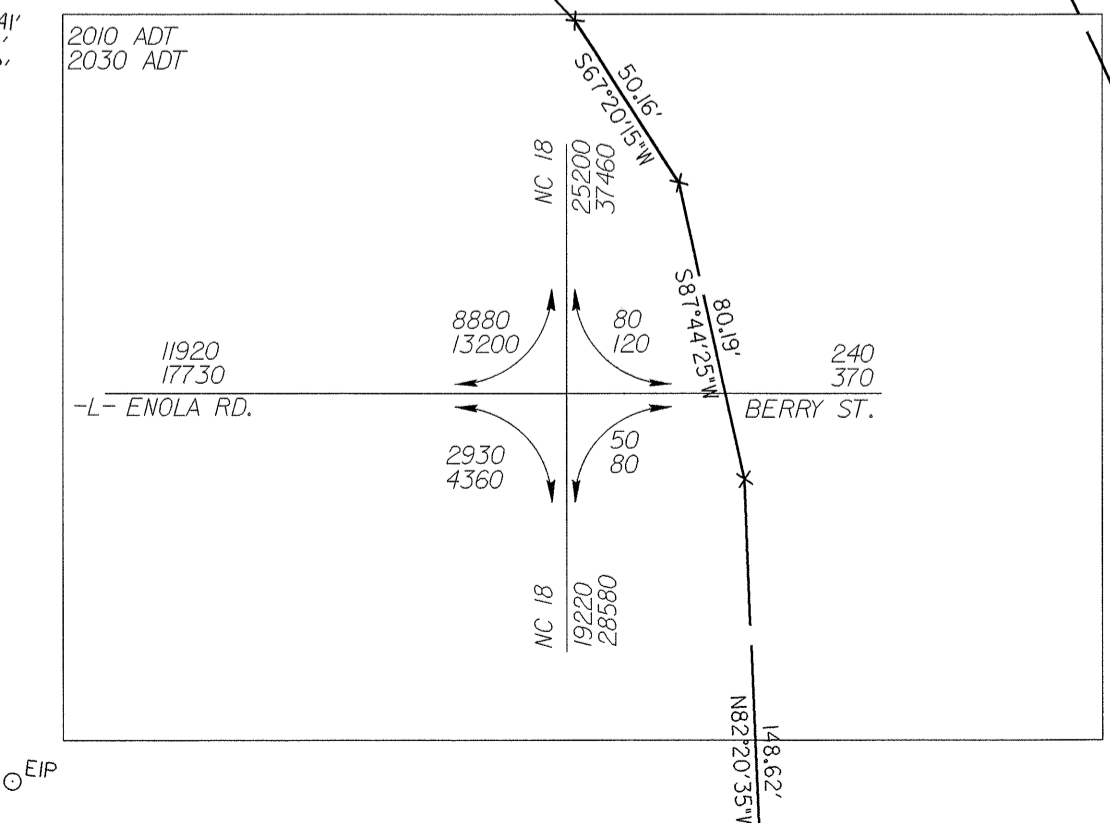
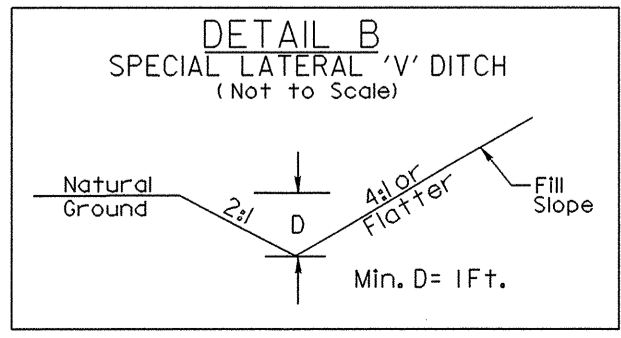
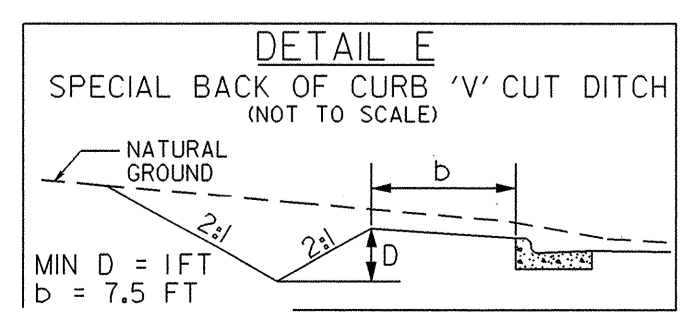
PROP. 1- RELOCATE FIRE HYDRANT

PROP. 1- 4' DIA. SANITARY SEWER MANHOLE "D1"
STA. 7+26 LINE SL-1
-L- LINE STA. 120+74/ 60' LT

EXISTING SANITARY SEWER MANHOLE "A1"
STA. 0+00 LINE SL-1
-Y16- LINE STA. 14+94/ 25' RT

END TIP PROJECT U-2551

POT STA 127+08.55 =
Y16- POC STA 15+27.00

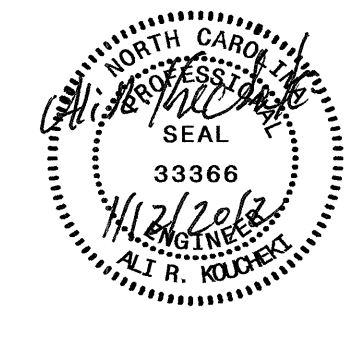


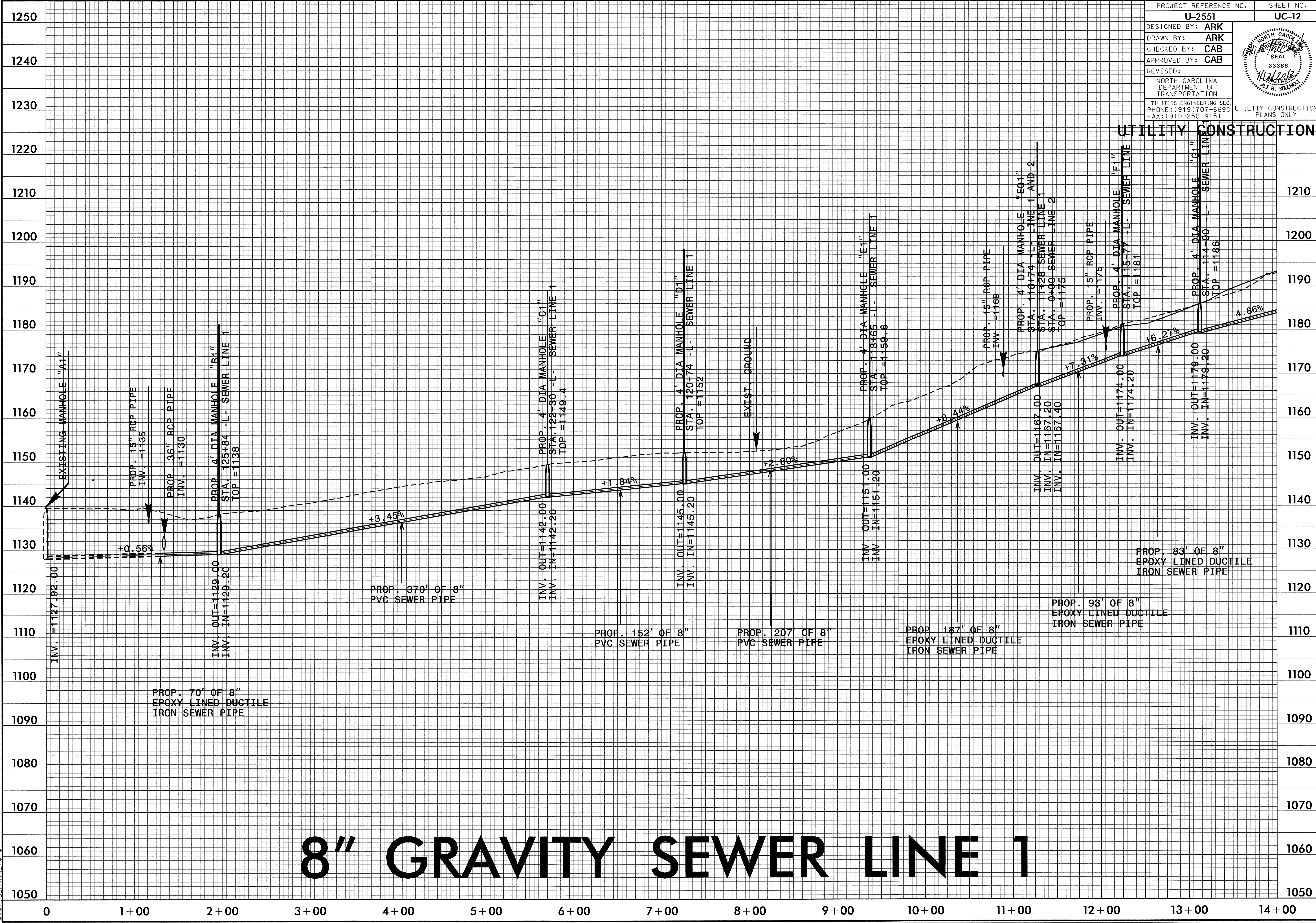
SEE SHEETS 19 & 20 FOR -L- PROFILE

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5/14/99

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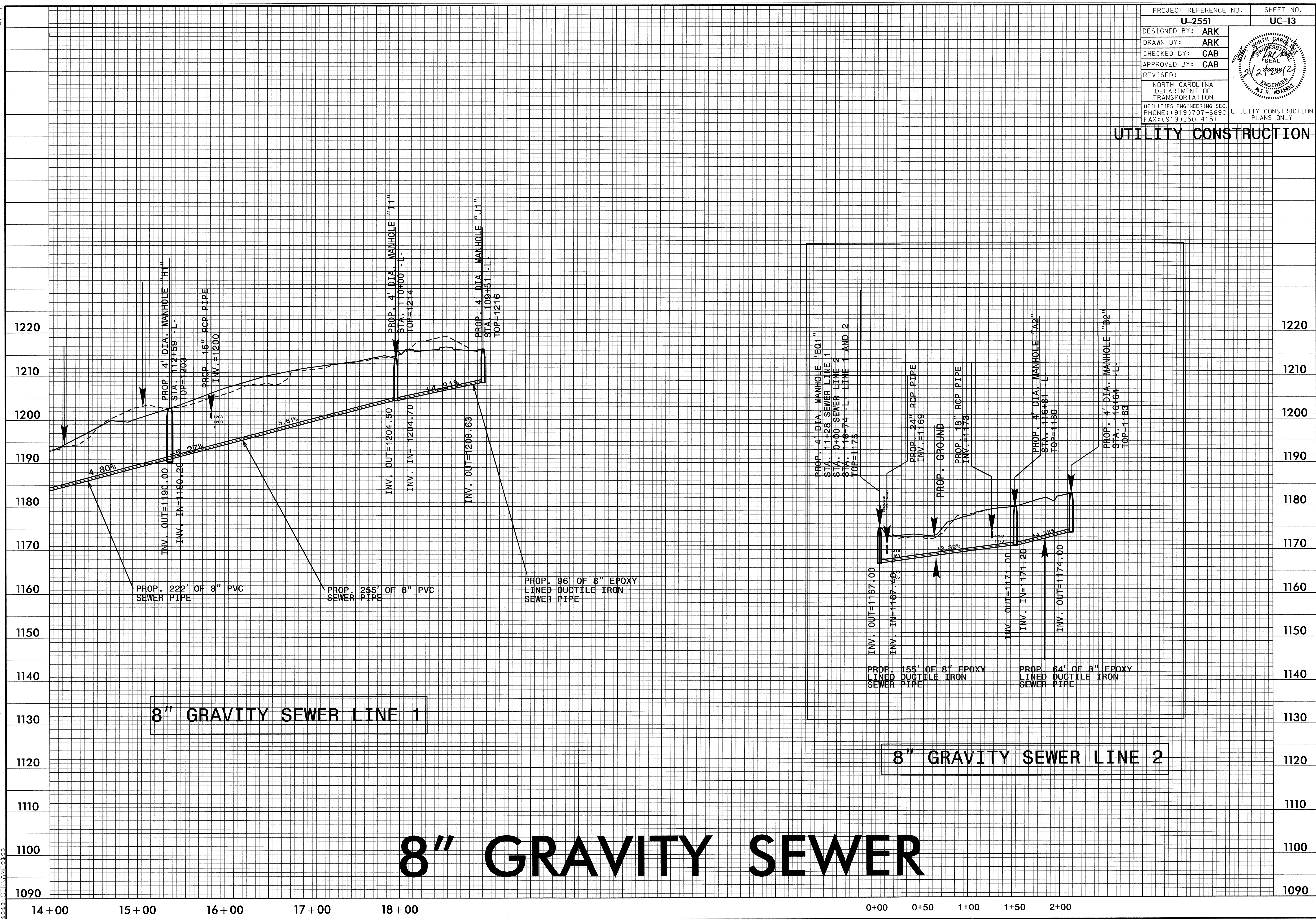
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DRAWN BY: ARK	
CHECKED BY: CAB	
APPROVED BY: CAB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	



5/14/99

PROJECT REFERENCE NO.	SHEET NO.
U-2551	UC-13
DESIGNED BY: ARK	
DRAWN BY: ARK	
CHECKED BY: CAB	
APPROVED BY: CAB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	

UTILITY CONSTRUCTION

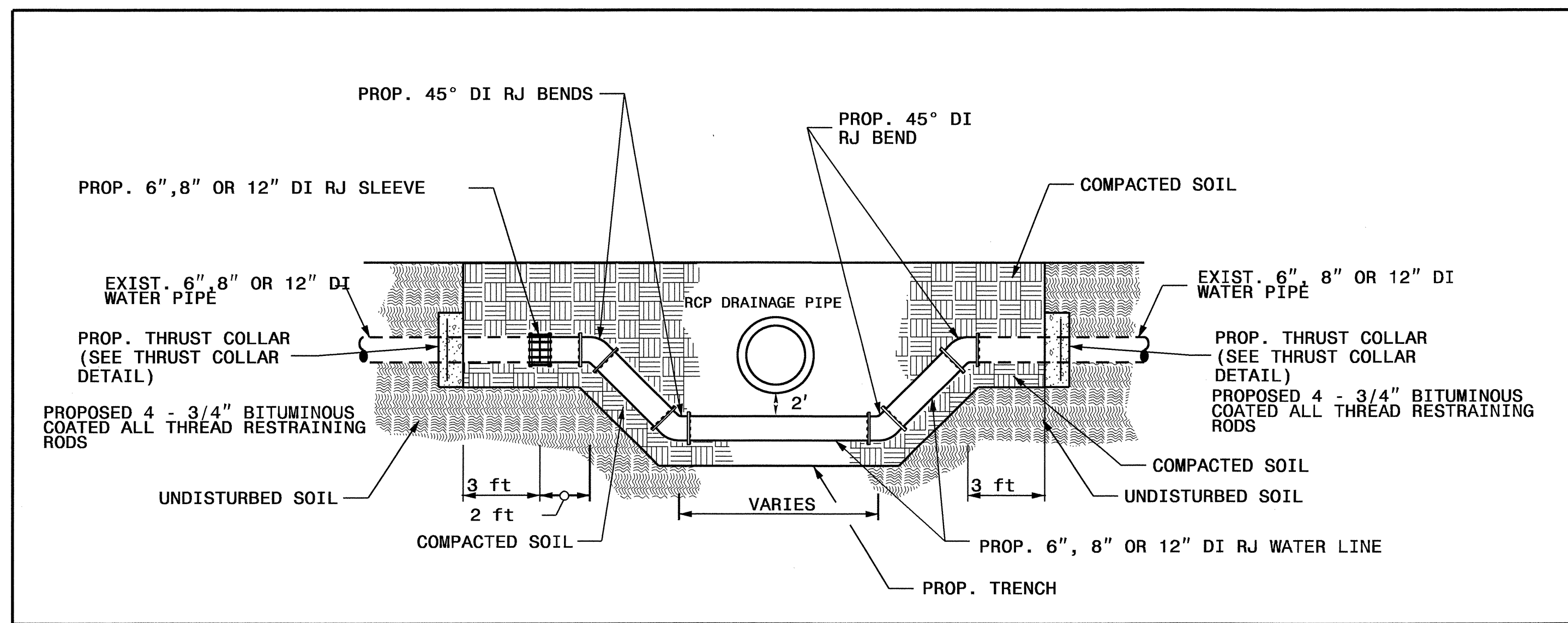


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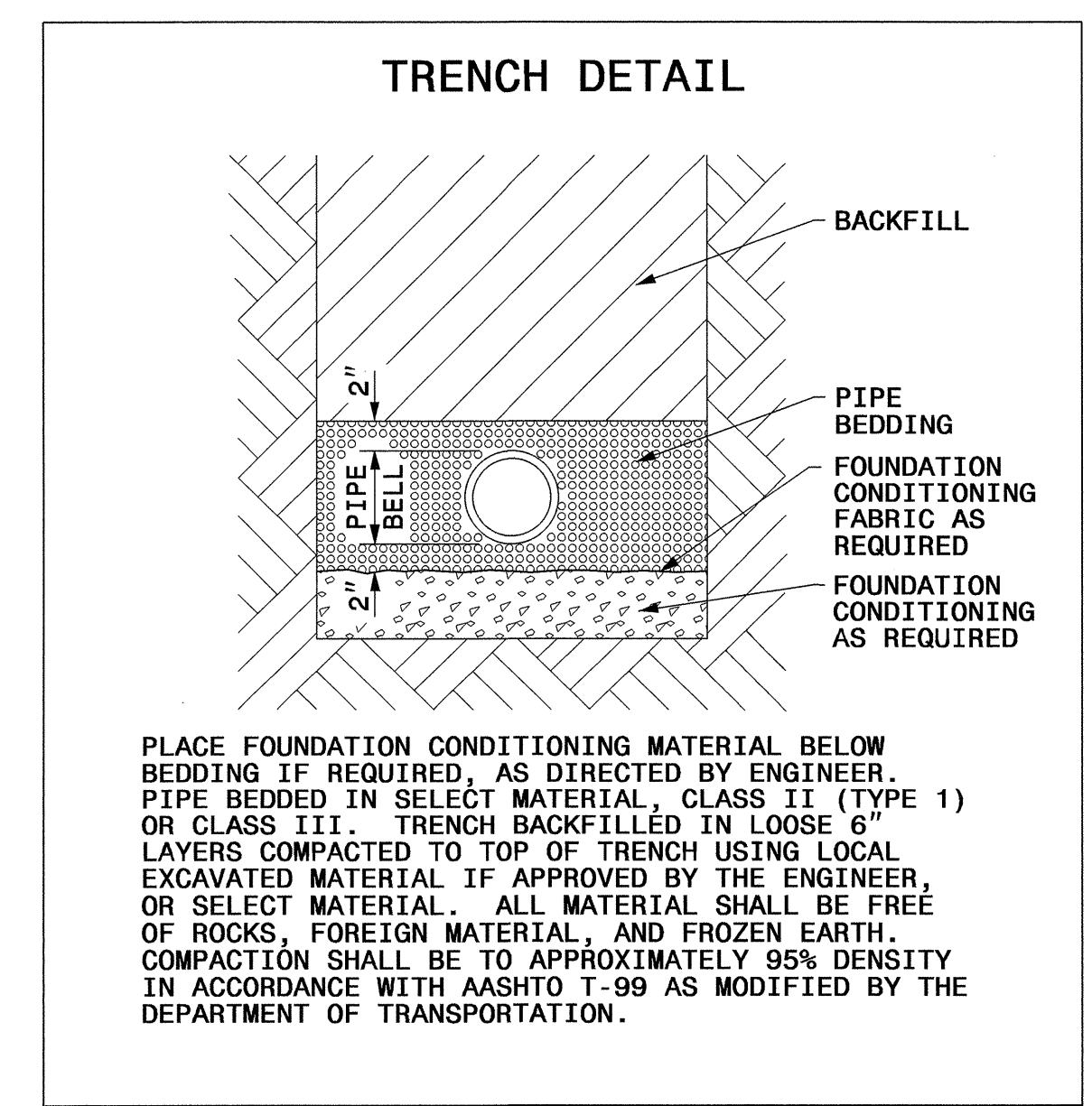
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PROJECT REFERENCE NO.	SHEET NO.
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DESIGNED BY: ARK	
DRAWN BY: ARK	
CHECKED BY: CAB	
APPROVED BY: CAB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151 UTILITY CONSTRUCTION PLANS ONLY	

UTILITY CONSTRUCTION



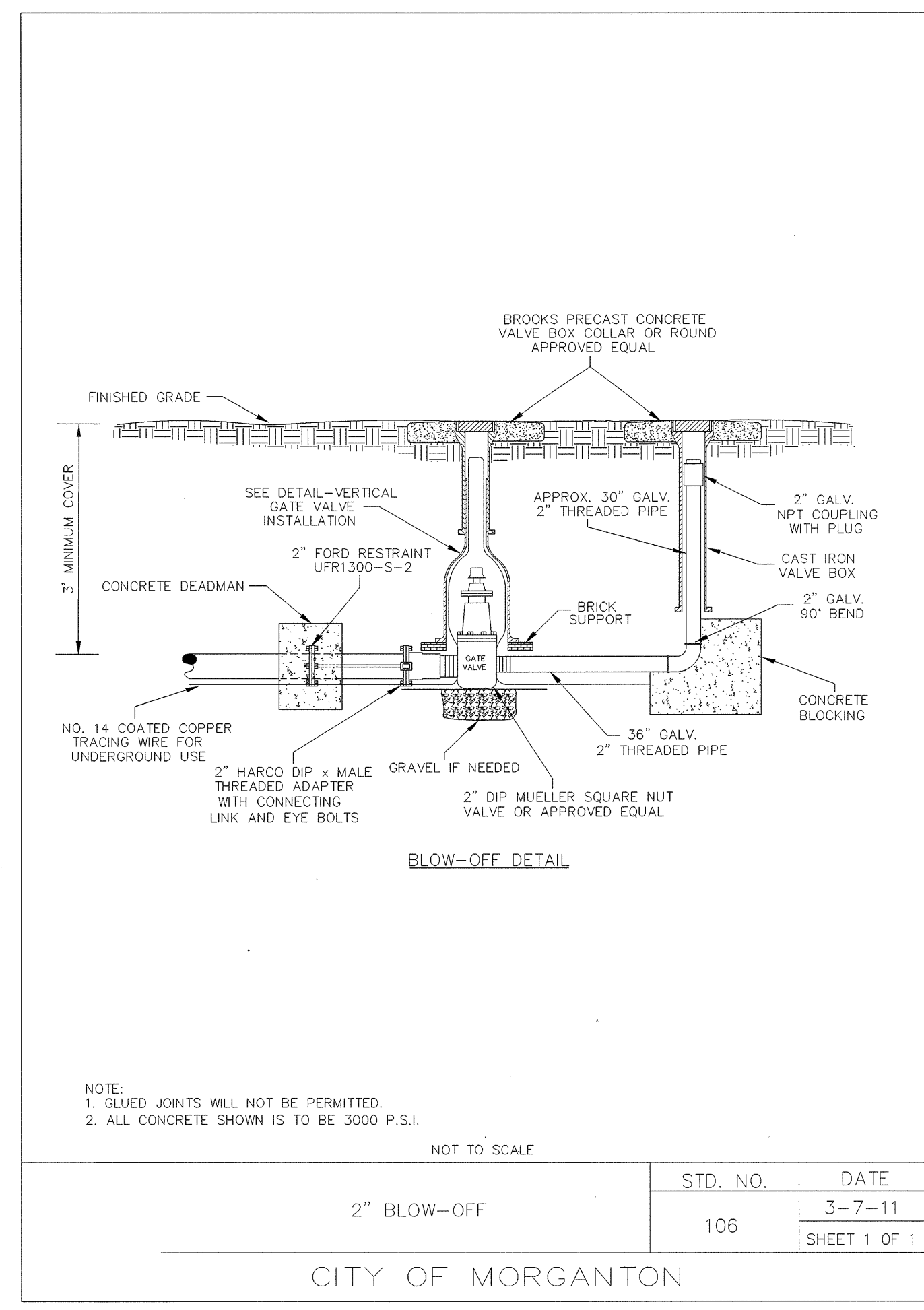
6", 8" OR 12" WATER PIPE CROSSING STORM DRAIN



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.

MAXIMUM TRENCH WIDTH AT TOP OF PIPE

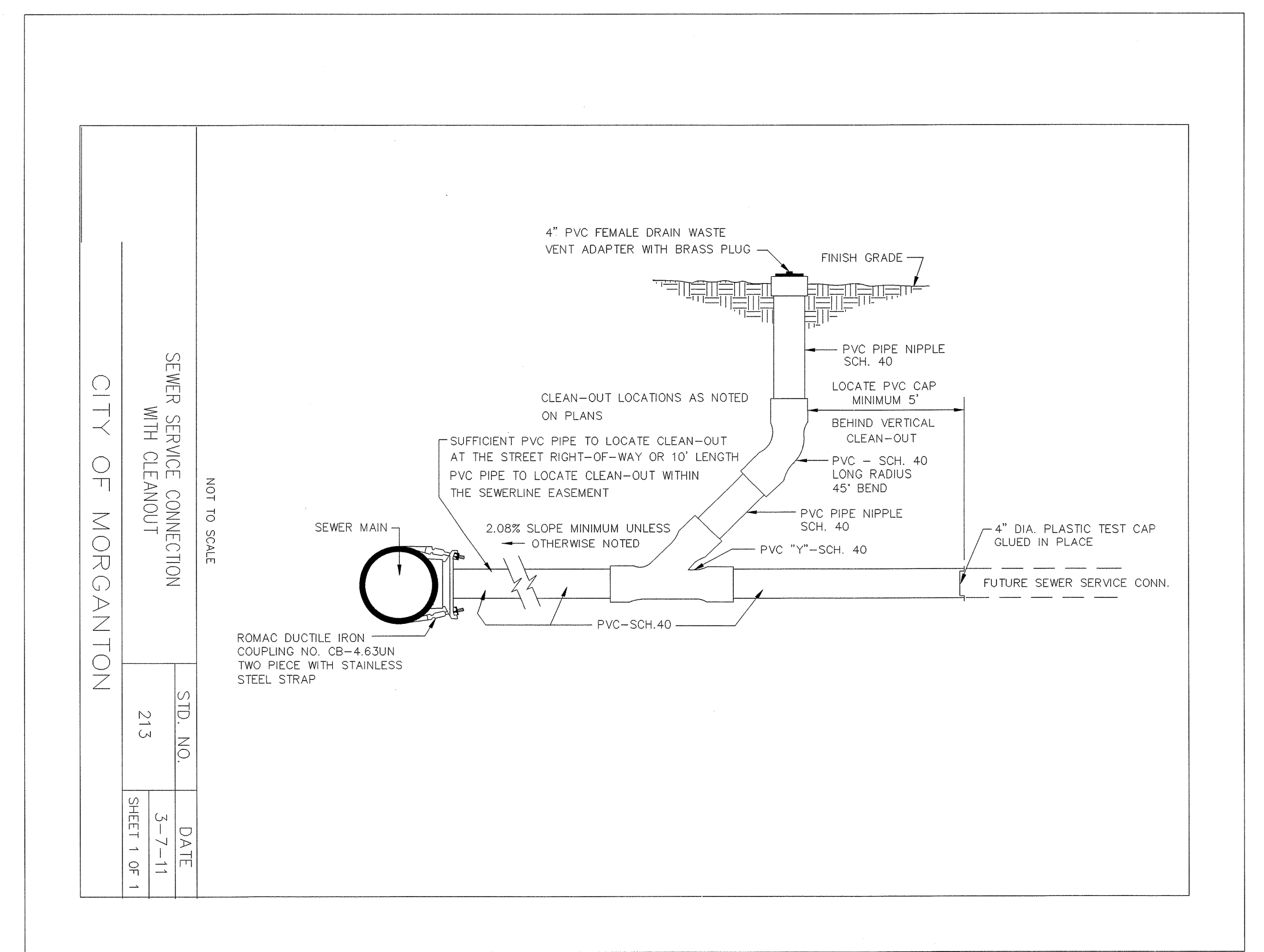
NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)	NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)
4	28	20	44
6	30	24	48
8	32	30	54
10	34	36	60
12	36	42	66
14	38	48	72
16	40	54	78
18	42		



NOTE:
 1. GLUED JOINTS WILL NOT BE PERMITTED.
 2. ALL CONCRETE SHOWN IS TO BE 3000 P.S.I.

2" BLOW-OFF	STD. NO.	DATE
	106	3-7-11
	SHEET 1 OF 1	

CITY OF MORGANTON



CITY OF MORGANTON	STD. NO.	DATE
	213	3-7-11
	SHEET 1 OF 1	

I:\MAN-2012_0918_P\00\U-2551_Ut_uct.dgn
 P:\UTILITY\U-2551_P\00\U-2551_Ut_uct.dgn
 \$\$\$\$\$\$

09/08/99

See Sheet T-B For Conventional Symbols

T.I.P. NO.	SHEET NO.
U-2551	UO-1

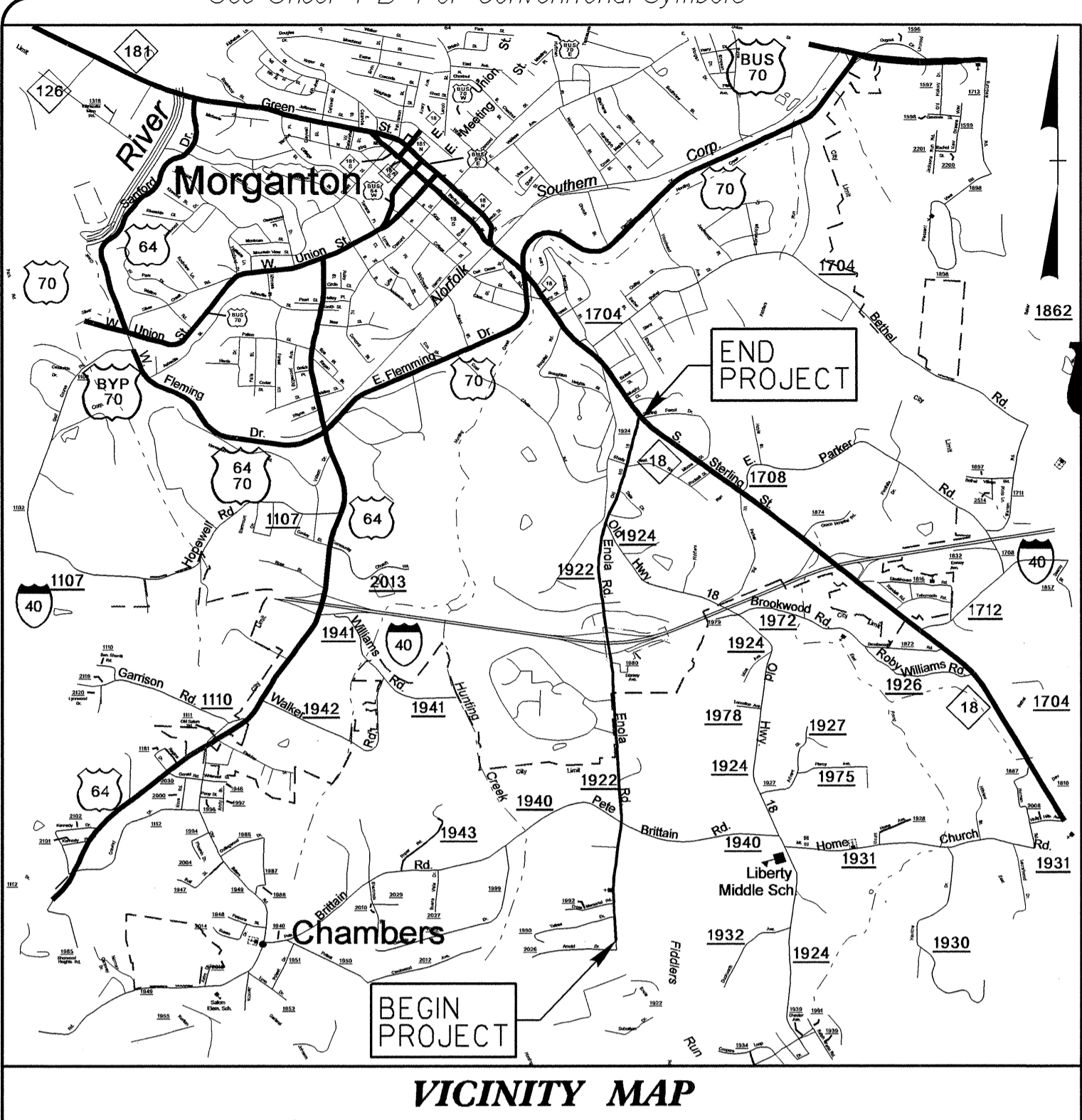
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

**UTILITIES BY OTHERS PLANS
BURKE COUNTY**

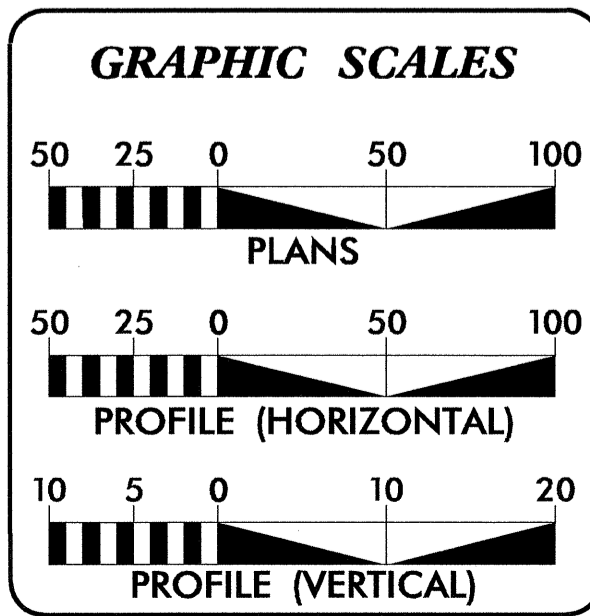
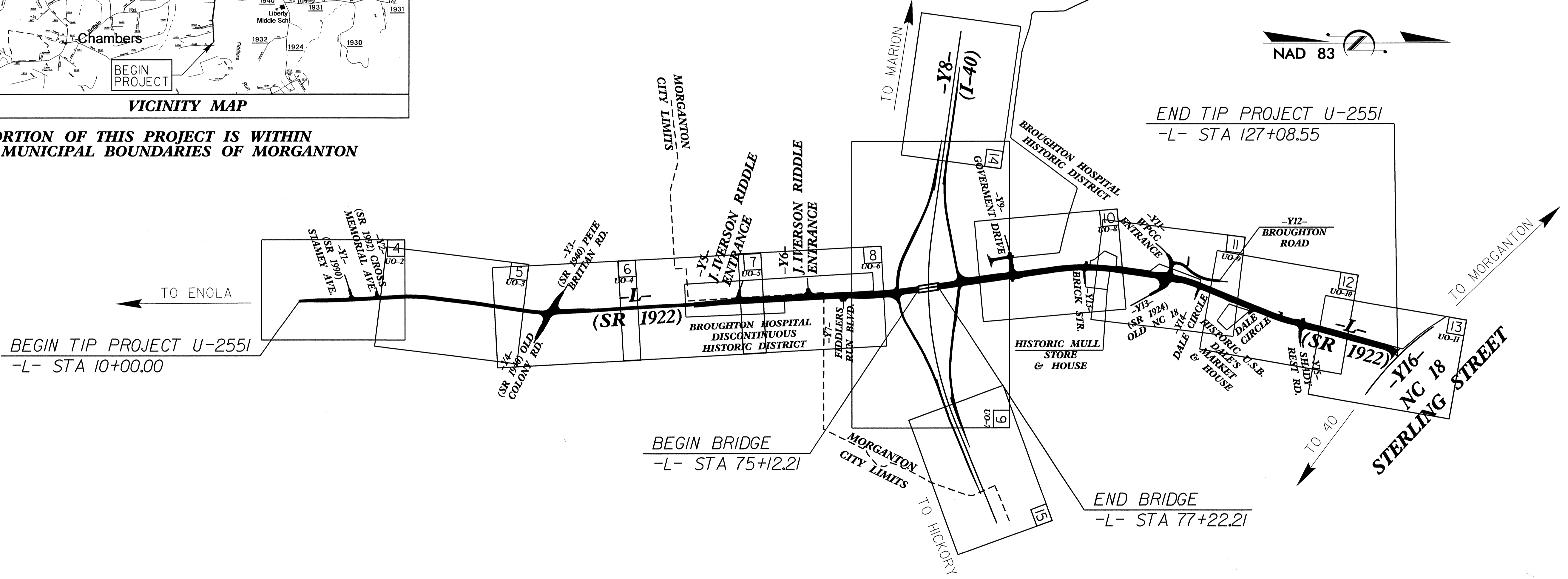
LOCATION: MORGANTON-SR 1922 (ENOLA RD)/SR 1924
(OLD NC 18) FROM SOUTH OF PETE BRITTIAN (SR 1940)
ROAD TO NC 18

TYPE OF WORK: POWER, TELEPHONE, CABLE TV AND GAS LINE RELOCATION

TIP PROJECT: U-2551



A PORTION OF THIS PROJECT IS WITHIN
THE MUNICIPAL BOUNDARIES OF MORGANTON

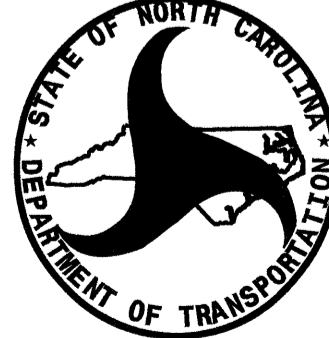


INDEX OF SHEETS

SHEET NO.	DESCRIPTION
UO-1	TITLE SHEET
UO-2 THRU UO-11	UTILITY BY OTHERS PLAN SHEETS

UTILITY OWNERS ON PROJECT

(1)	CITY OF MORGANTON
(2)	RUTHERFORD EMC
(3)	DUKE ENERGY
(4)	AT&T
(5)	COMPAS CABLEVISION
(6)	PIEDMONT NATURAL GAS
(7)	CHARTER COMMUNICATIONS



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

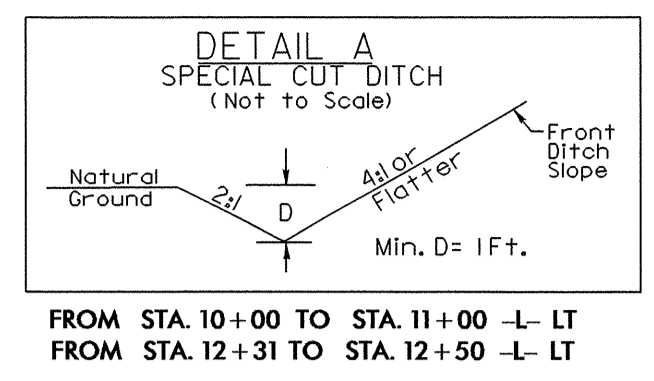
1591 MAIL SERVICES CENTER
RALEIGH NC 27699-1591
PHONE (919) 707-6690
FAX (919) 250-4151

Roger Worthington, P.E. UTILITIES SECTION ENGINEER
Carl Barclay, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
Ali Kouchehi, P.E. UTILITIES PROJECT DESIGNER

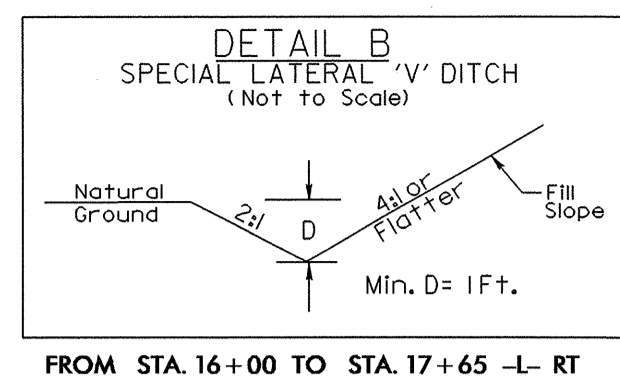
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\$\$\$\$\$USERNAME\$\$\$\$\$

UTILITIES BY OTHERS

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



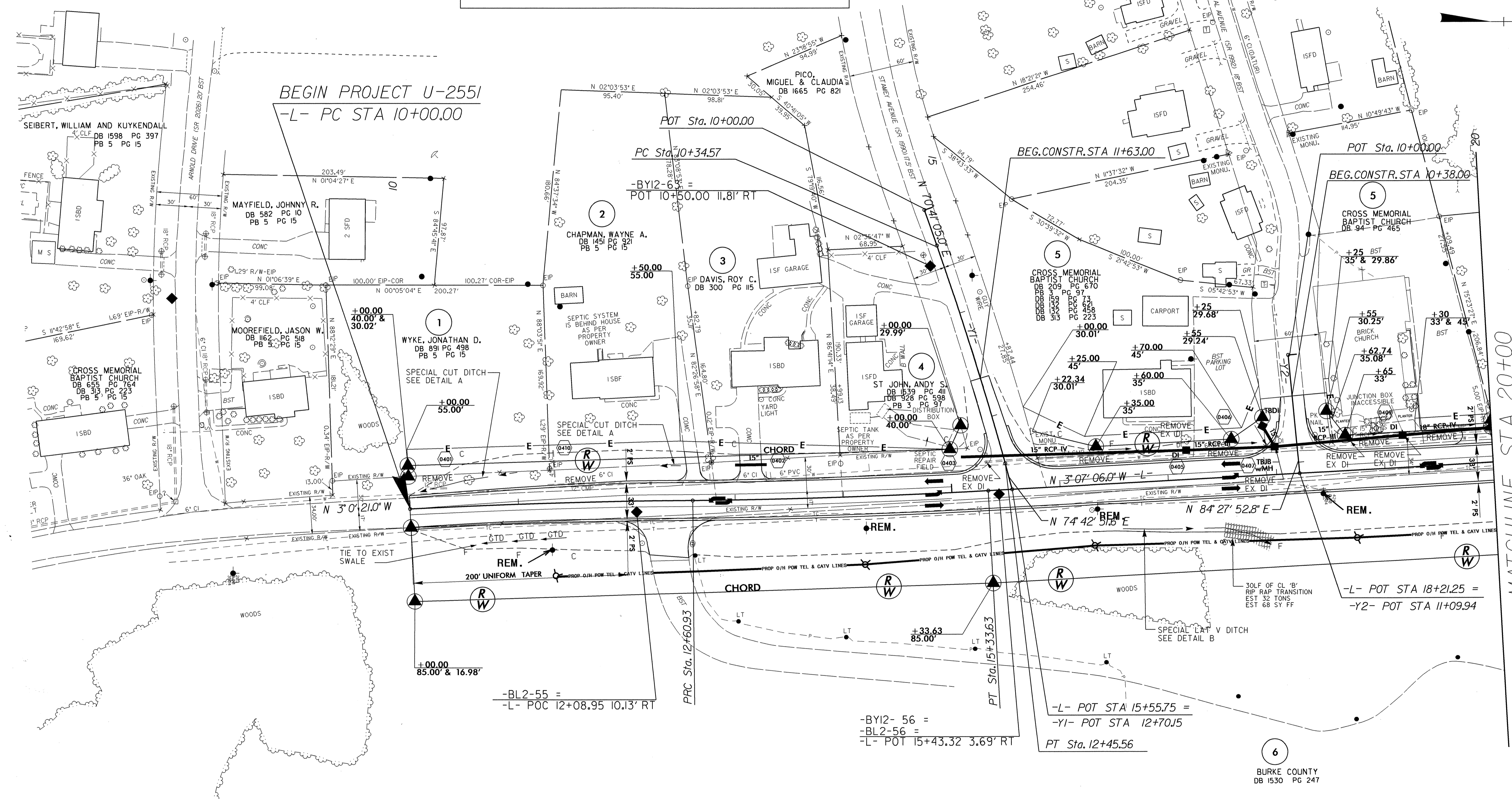
FROM STA. 10+00 TO STA. 11+00 -L- LT
FROM STA. 12+31 TO STA. 12+50 -L- LT



FROM STA. 16+00 TO STA. 17+65 -L- RT

-L-	-Y1-	-Y2-
PI Sta 11+30.48	PI Sta 13+97.30	PI Sta 11+40.11
$\Delta = 2^\circ 29' 30.0''$ (RT)	$\Delta = 2^\circ 36' 15.0''$ (LT)	$\Delta = 4^\circ 01' 46.6''$ (RT)
$D = 0^\circ 57' 17.7''$	$D = 0^\circ 57' 17.7''$	$D = 1^\circ 54' 35.5''$
$L = 260.93'$	$L = 272.71'$	$L = 210.99'$
$T = 130.48'$	$T = 136.38'$	$T = 105.54'$
$R = 6,000.00'$	$R = 6,000.00'$	$R = 3,000.00'$
SE = NC	SE = NC	SE = SEE PLANS
DS = 40 MPH	DS = 40 MPH	DS = 40 MPH

RIGHT OF WAY REVISION: REVISED STATION AND OFFSET LABELS BASED ON STAKING PLANS, STS 12/5/2011
 RIGHT OF WAY REVISION: PROPERTY NAME AND DEED BOOK CHANGED ON PARCELS 2 & 3. STS 2/10/2011
 RIGHT OF WAY REVISION: PROPERTY NAME AND DEED BOOK CHANGED ON PARCEL 4. STS 2/10/2011
 RIGHT OF WAY REVISION: ADDED RIGHT OF WAY MONUMENTS SYMBOLS LT & RT STA. 10+00 -L- STS 3232/2011
 RIGHT OF WAY REVISION: REVISED CONSTRUCTION EASEMENT TO AVOID SEPTIC FLEED ON PARCEL 4 STS 8/2011
 RIGHT OF WAY REVISION: REVISED EXISTING RIGHT OF WAY ON PARCEL 1,2,3 & 4. STS 8/2011



12-JAN-2012 16:44 U:\10-PLANS\U2551-rdy-psh_04.dgn

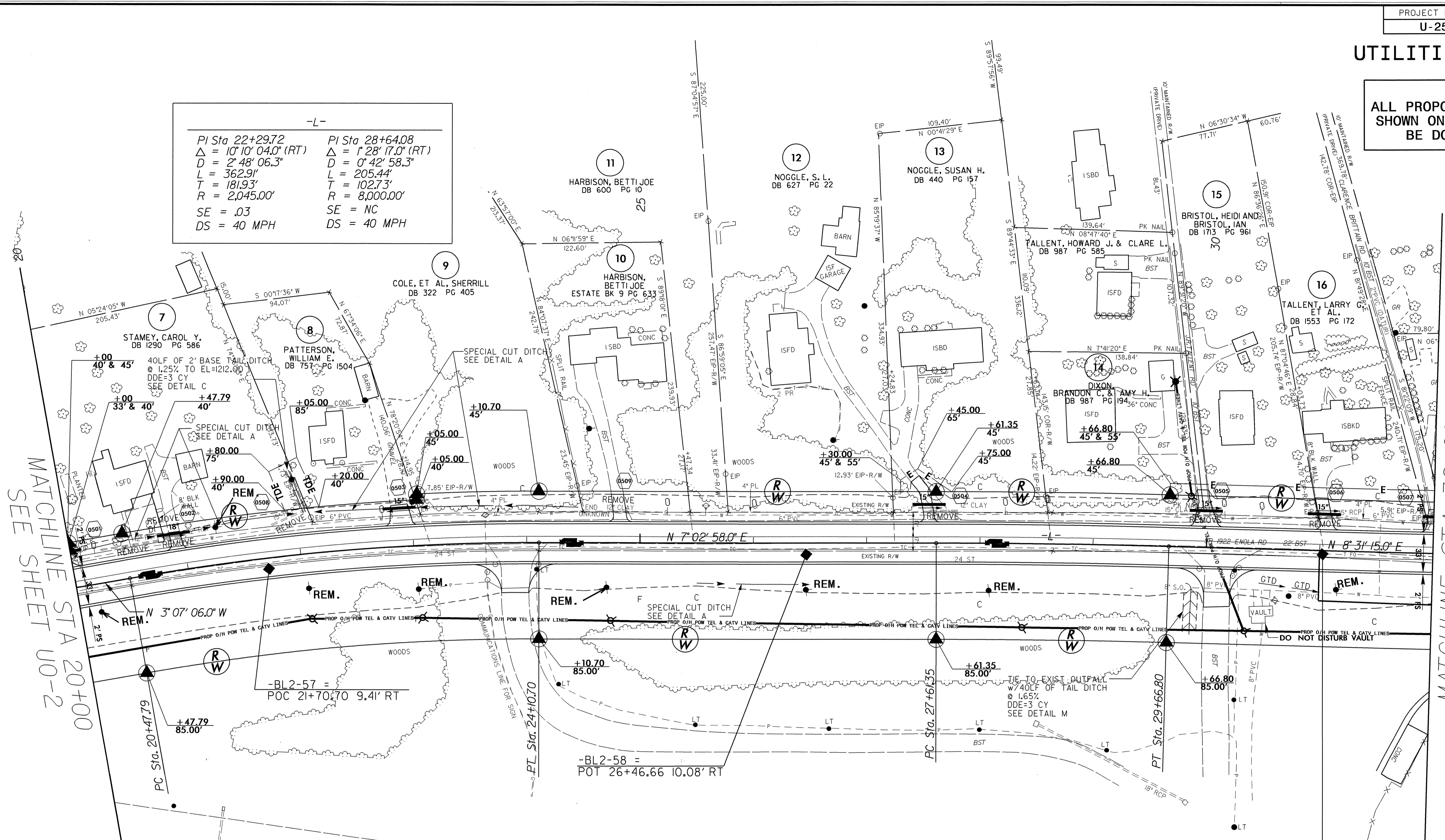
SEE SHEET 2-G FOR INTERSECTION DETAIL
 SEE SHEET 16 FOR -L- PROFILE
 SEE SHEET 25 FOR -Y1- & -Y2- PROFILES

UTILITIES BY OTHERS

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

-L-

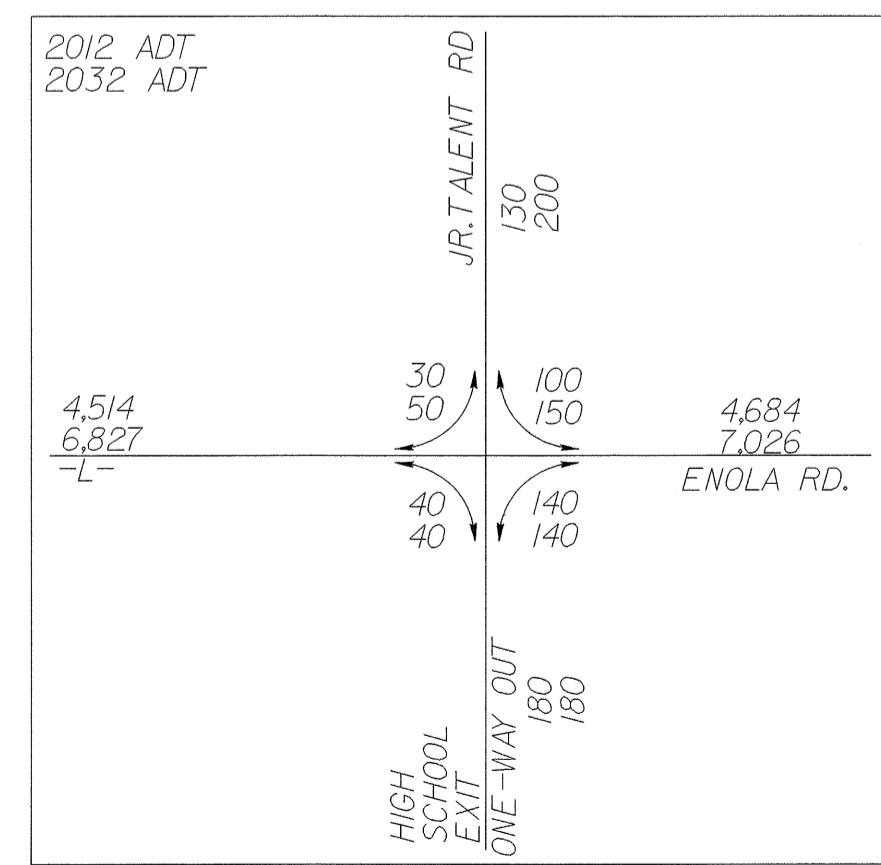
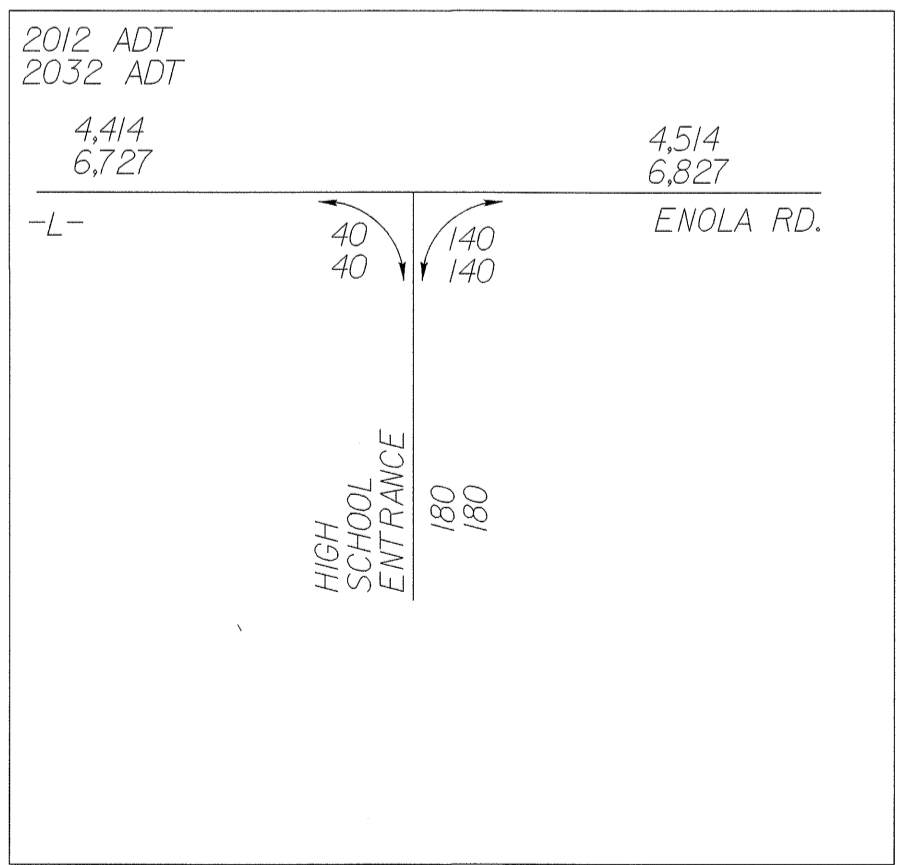
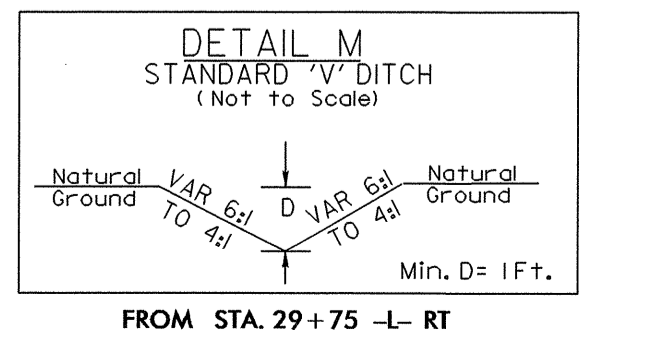
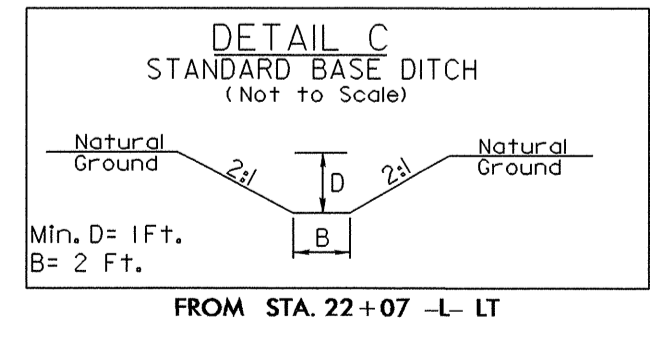
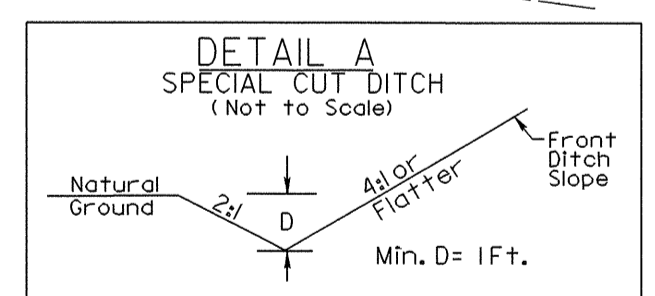
PI Sta 22+29.72 $\Delta = 10' 10" 04.0" (RT)$ $D = 2' 48" 06.3"$ $L = 362.9'$ $T = 181.93'$ $R = 2,045.00'$ $SE = .03$ $DS = 40 MPH$	PI Sta 28+64.08 $\Delta = 1' 28" 17.0" (RT)$ $D = 0' 42" 58.3"$ $L = 205.44'$ $T = 102.73'$ $R = 8,000.00'$ $SE = NC$ $DS = 40 MPH$
---	--



MATCHLINE STA 20+00
SEE SHEET UO-2

MATCHLINE STA 32+00
SEE SHEET UO-4

RIGHT OF WAY REVISION: ADJUSTED RIGHT OF WAY AT STA. 27 + 61.35 LT. STS 1/25/2011
RIGHT OF WAY REVISION: NAME AND DEED BOOK CHANGED OF PARCELS 10, 14, 15, & 16. STS 2/10/2011
RIGHT OF WAY REVISION: NAME CHANGED ON PARCEL 11. STS 2/10/2011
RIGHT OF WAY REVISION: NAME CHANGED ON PARCEL 6 TO BURKE COUNTY. STS 4/20/2011



6
BURKE COUNTY
DB 1530 PG 247

SEE SHEET 16 (-L-) FOR PROFILES

5/14/99

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UTILITIES BY OTHERS

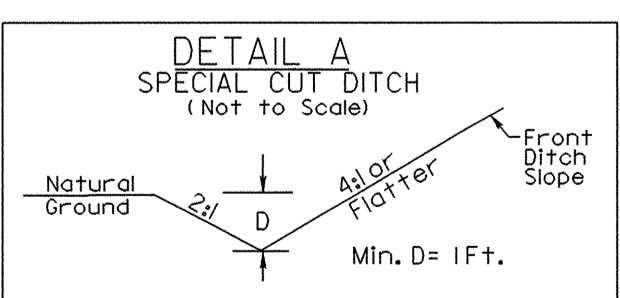
NOTE:
ALL PROPOSED UTILITY WORK
SHOWN ON THIS SHEET WILL
BE DONE BY OTHERS

-L-
PI Sta 35+70.17
 $\Delta = 1^{\circ}47'25.0''$ (LT)
D = 3'49'11.0"
L = 308.67'
T = 154.88'
R = 1,500.00'
SE = .03
DS = 40 MPH

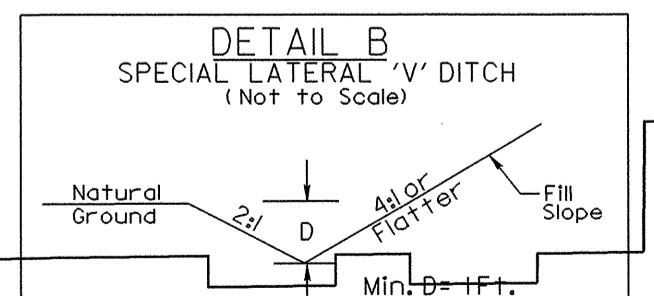
PI Sta 41+02.00
 $\Delta = 0^{\circ}35'09.0''$ (LT)
D = 0'13'45.1"
L = 255.62'
T = 127.81'
R = 25,000.00'
SE = NC
DS = 40 MPH

-Y3-
PI Sta 10+69.02
 $\Delta = 1^{\circ}27'40.3''$ (RT)
D = 2'20'53.5"
L = 62.23'
T = 311'
R = 2,440.00'
SE = SEE PLANS
DS = 40 MPH

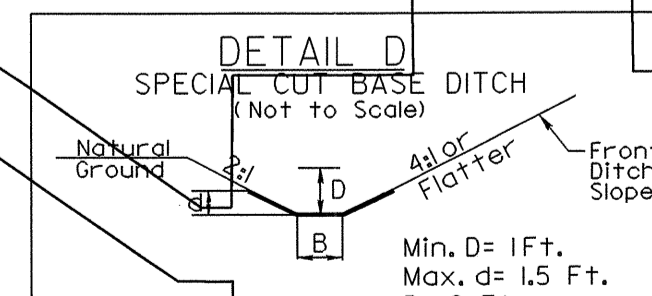
-Y4-
PI Sta 12+26.40
 $\Delta = 3^{\circ}04'08.0''$ (LT)
D = 1'49'30.3"
L = 168.15'
T = 84.10'
R = 3,139.38'
SE = SEE PLANS
DS = 40 MPH



FROM STA. 33+00 TO STA. 35+50 -L- RT
FROM STA. 35+60 TO STA. 36+00 -L- LT
FROM STA. 11+50 TO STA. 13+50 -Y3- RT
FROM STA. 12+00 TO STA. 12+65 -Y3- LT
FROM STA. 12+50 TO STA. 13+00 -Y4- LT



FROM STA. 11+00 TO STA. 12+50 -Y4- LT



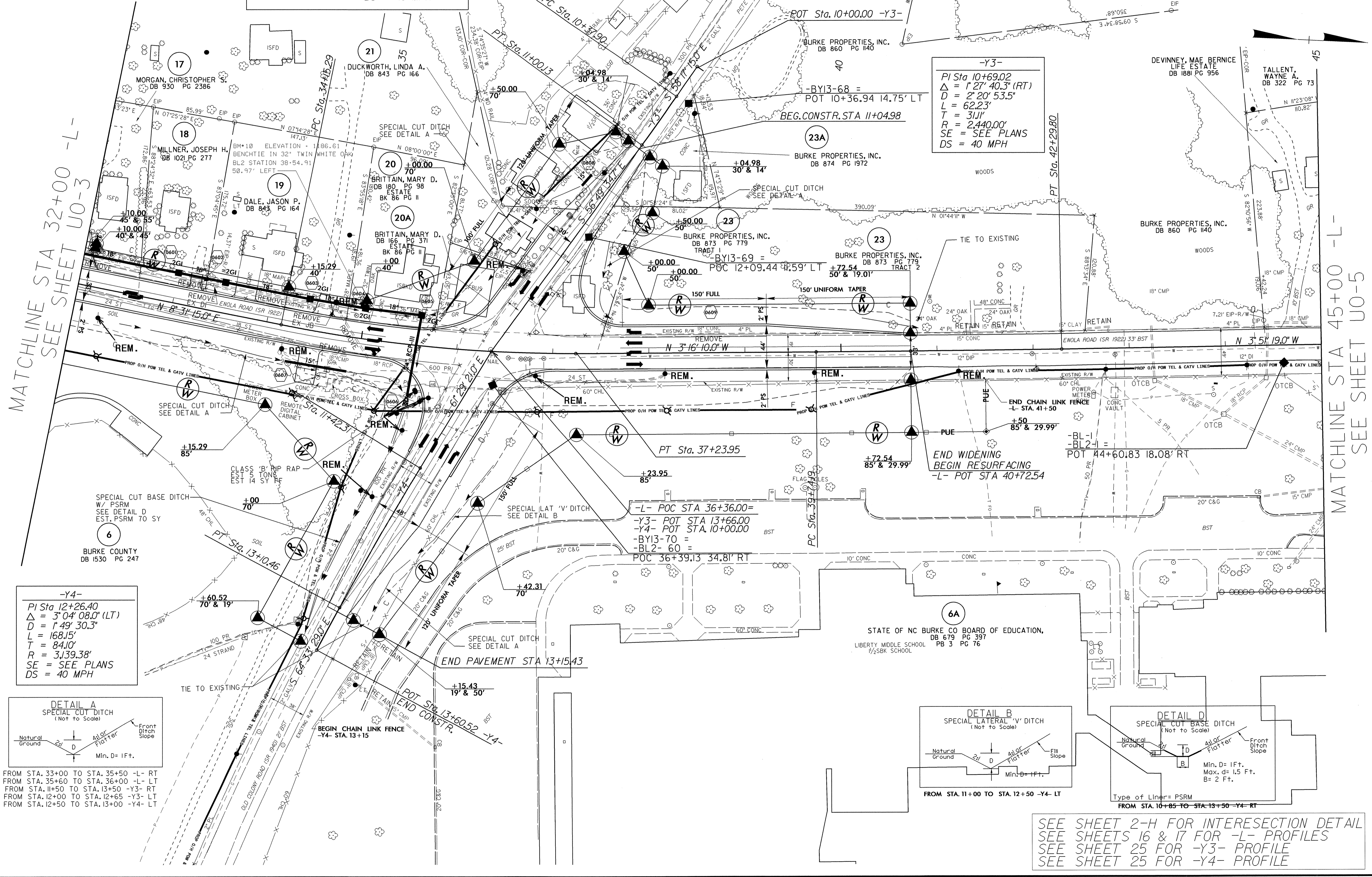
FROM STA. 10+85 TO STA. 13+50 -Y4- RT

SEE SHEET 2-H FOR INTERSESECTION DETAIL
SEE SHEETS 16 & 17 FOR -L- PROFILES
SEE SHEET 25 FOR -Y3- PROFILE
SEE SHEET 25 FOR -Y4- PROFILE

RIGHT OF WAY REVISION: PARCEL 20, DB 180, PAGE 98 CHANGED TO PARCEL 20A, STS 12/08/10
RIGHT OF WAY REVISION: PARCEL 23, DB 874, PAGE 1972 CHANGED TO PARCEL 23A, STS 12/08/10
RIGHT OF WAY REVISION: REVISED OFFSET LABELS BASED ON STAKING PLANS, STS 12/08/2011
RIGHT OF WAY REVISION: DEED BOOK CHANGED ON PARCELS 20 & 20A, STS 2/10/2011
RIGHT OF WAY REVISION: NAME AND DEED BOOK CHANGED ON PARCEL 22, STS 2/10/2011
RIGHT OF WAY REVISION: NAME CHANGE ON PARCEL 6 TO BURKE COUNTY SOUTH OF OLD COLONY RD, STS 4/20/2011
RIGHT OF WAY REVISION: PARCEL NO. CHANGED FROM 6 TO 6A NORTH OF OLD COLONY RD, STS 4/20/2011

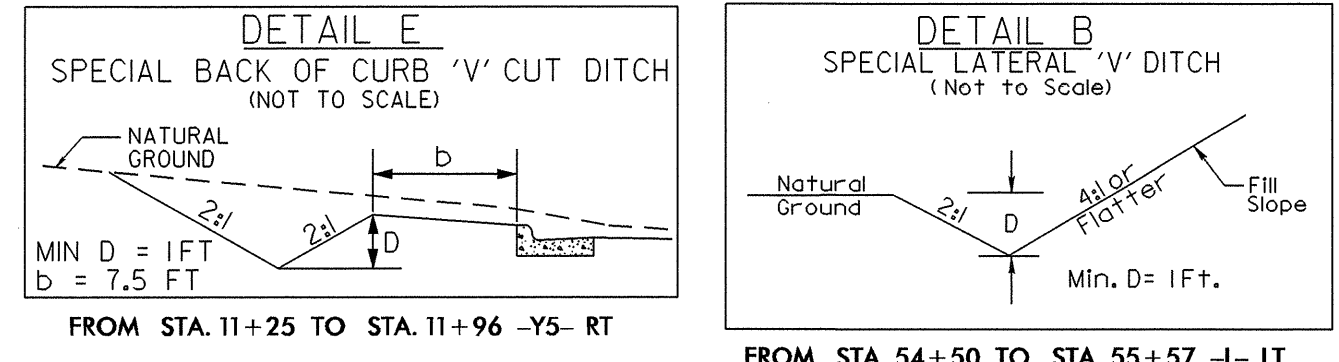
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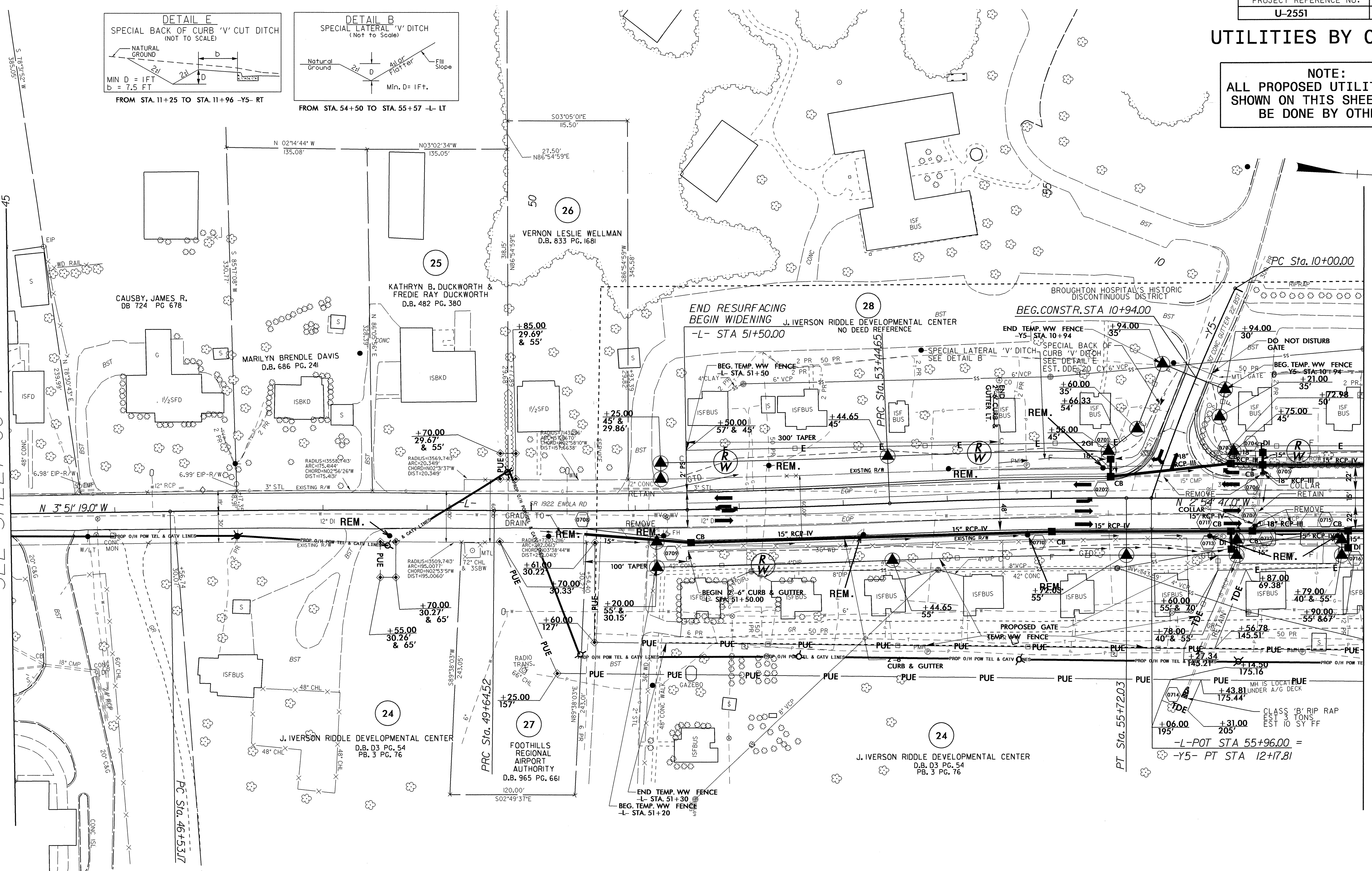
UTILITIES BY OTHERS

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

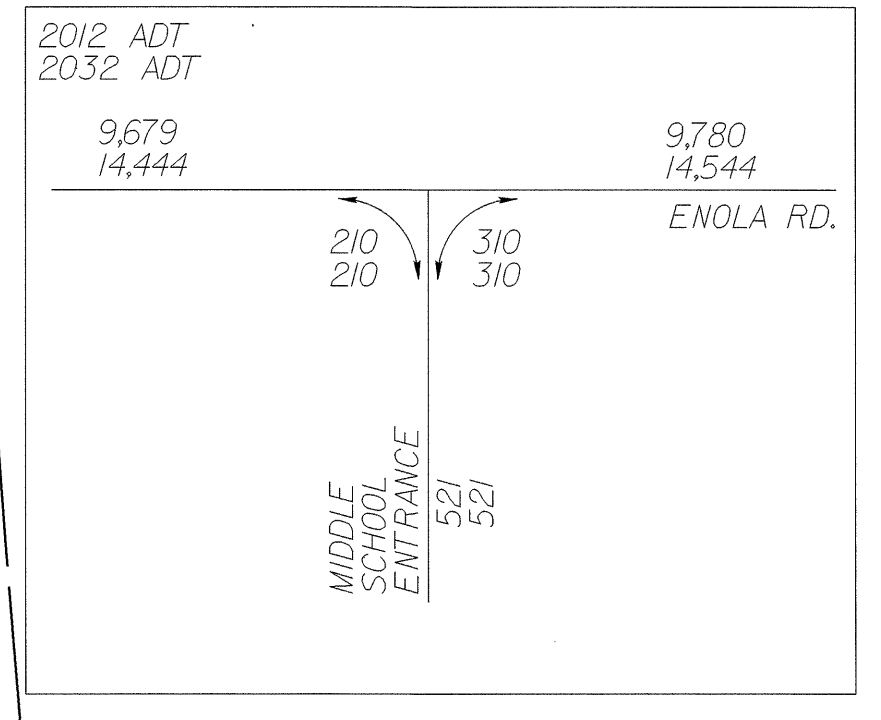


MATCHLINE STA 45+00 -L-
SEE SHEET UO-4

MATCHLINE STA 58+00 -L-
SEE SHEET UO-6



RIGHT OF WAY REVISION: REVISED STATION AND OFFSETS LABELS BASED ON STAKING PLANS. STS 12/52/011
 RIGHT OF WAY REVISION: REVISED STATION OF RW MONUMENT AT STA. 55+72.03 -L- RT. STS 3/23/2011
 RIGHT OF WAY REVISION: REVISED NAME ON PARCEL 24 & 28. STS 9/7/2011
 RIGHT OF WAY REVISION: ADDED PARKING AREA REVISED RIGHT OF WAY ON PARCEL 24. STS 9/7/2011



-L-		
PI Sta 48+08.85	PI Sta 51+54.63	PI Sta 54+58.36
$\Delta = 1' 22' 20.0''$ (RT)	$\Delta = 3' 02' 08.0''$ (LT)	$\Delta = 2' 36' 20.0''$ (RT)
$D = 0' 26' 26.7''$	$D = 0' 47' 54.8''$	$D = 1' 08' 45.3''$
$L = 311.35'$	$L = 380.13'$	$L = 227.38'$
$T = 155.68'$	$T = 190.11'$	$T = 113.71'$
$R = 13,000.00'$	$R = 7,175.00'$	$R = 5,000.00'$
SE = EXIST.	SE = NC	SE = NC
	DS = 40 MPH	DS = 40 MPH

-Y5-
PI Sta 11+09.02
$\Delta = 6' 26' 36.8''$ (LT)
$D = 2' 57' 30.0''$
$L = 217.81'$
$T = 109.02'$
$R = 1,936.75'$
SE = SEE PLANS
DS = 40 MPH

SEE SHEET 2-1 FOR INTERSECTION DETAIL
 SEE SHEET 17 FOR -L- PROFILE
 SEE SHEET 25 -Y5- FOR PROFILE

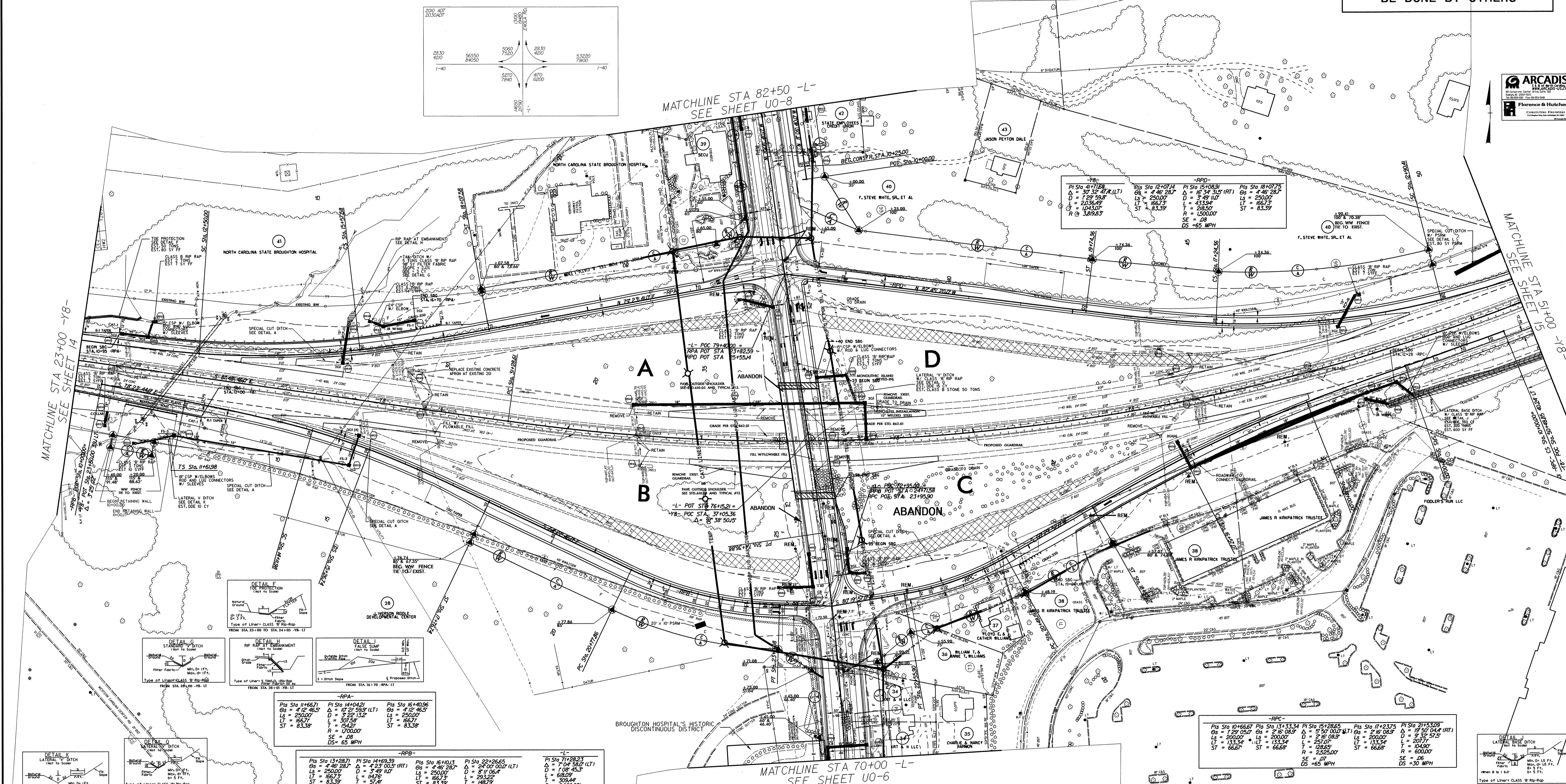
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 USER:PSH

UTILITIES BY OTHERS

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



5/14/09
 REVISION: ADDED SIDE AND REVISED RIGHT OF WAY ON PARCEL 40 AND 42. STS 12/5/2011
 REVISION: ADDED SIDE AND REVISED RIGHT OF WAY ON PARCEL 34 AND 35. STS 12/5/2011
 REVISION: REVISED EXISTING AND PROPOSED RIGHT OF WAY ON PARCEL 38. STS 2/10/2011
 REVISION: REVISED EXISTING AND PROPOSED RIGHT OF WAY ON PARCEL 38. STS 2/10/2011
 REVISION: REVISED EXISTING AND PROPOSED RIGHT OF WAY ON PARCEL 28 AND 40. REMOVED BUILDINGS ON PARCEL 42 STS 9/1/2011
 15-FEB-2012 14:08 U:\Projects\2551\Drawings\UO-7.dwg
 \$\$\$\$\$\$



<p>DETAIL A LATERAL V DITCH Type of Linear CLASS B Rb-Rob FROM STA 24+70 TO STA 25+00 -Y8- RT</p>	<p>DETAIL B LATERAL V DITCH Type of Linear CLASS B Rb-Rob FROM STA 25+00 TO STA 26+00 -Y8- RT</p>	<p>DETAIL C STANDARD V DITCH Type of Linear CLASS B Rb-Rob FROM STA 26+00 TO STA 27+30 -Y8- RT</p>	<p>DETAIL D LATERAL V DITCH Type of Linear CLASS B Rb-Rob FROM STA 27+30 TO STA 28+00 -Y8- RT</p>	<p>DETAIL E LATERAL V DITCH Type of Linear CLASS B Rb-Rob FROM STA 28+00 TO STA 29+00 -Y8- RT</p>	<p>DETAIL F NO PROTECTION Type of Linear CLASS B Rb-Rob FROM STA 29+00 TO STA 30+00 -Y8- RT</p>	<p>DETAIL G LATERAL V DITCH Type of Linear CLASS B Rb-Rob FROM STA 30+00 TO STA 31+00 -Y8- RT</p>	<p>DETAIL H RP RAP AT ENHANCEMENT Type of Linear CLASS B Rb-Rob FROM STA 31+00 TO STA 32+00 -Y8- RT</p>	<p>DETAIL I FALSE SLOPE Type of Linear CLASS B Rb-Rob FROM STA 32+00 TO STA 33+00 -Y8- RT</p>	<p>DETAIL J LATERAL V DITCH Type of Linear CLASS B Rb-Rob FROM STA 33+00 TO STA 34+00 -Y8- RT</p>	<p>DETAIL K LATERAL V DITCH Type of Linear CLASS B Rb-Rob FROM STA 34+00 TO STA 35+00 -Y8- RT</p>	<p>DETAIL L LATERAL V DITCH Type of Linear CLASS B Rb-Rob FROM STA 35+00 TO STA 36+00 -Y8- RT</p>
--	--	---	--	--	--	--	--	--	--	--	--

<p>-RPA- Pts Sta 11+66.71 Pts Sta 14+04.21 Pts Sta 16+40.96 Gs = 4° 12' 46.5" Δ = 10° 21' 58.9" (LT) Gs = 4° 12' 46.5" Ls = 250.00' D = 3° 22' 15.2" Ls = 250.00' Lt = 166.71 T = 3° 49' 11.7" Lt = 166.71 ST = 83.38' R = 1500.00' ST = 83.38' SE = DB DS = 65 MPH</p>	<p>-RPB- Pts Sta 13+28.71 Pts Sta 14+69.39 Pts Sta 16+10.13 Pts Sta 22+26.65 Pts Sta 71+28.23 Gs = 4° 46' 28.2" Δ = 4° 23' 00.5" (RT) Gs = 4° 46' 28.2" Δ = 24° 07' 00.0" (LT) Gs = 7° 04' 58.0" (LT) Ls = 250.00' D = 2° 52' 15.2" Ls = 250.00' D = 8° 11' 08.4" D = 108.45.3' D = 108.45.3' Lt = 166.71 T = 14.76' Lt = 166.71 T = 29.52' T = 308.44' T = 308.44' ST = 83.39' R = 1500.00' ST = 83.39' R = 1487.9' R = 5000.00' SE = DB SE = DB SE = DB SE = DB SE = DB DS = 65 MPH DS = 45 MPH DS = 40 MPH</p>
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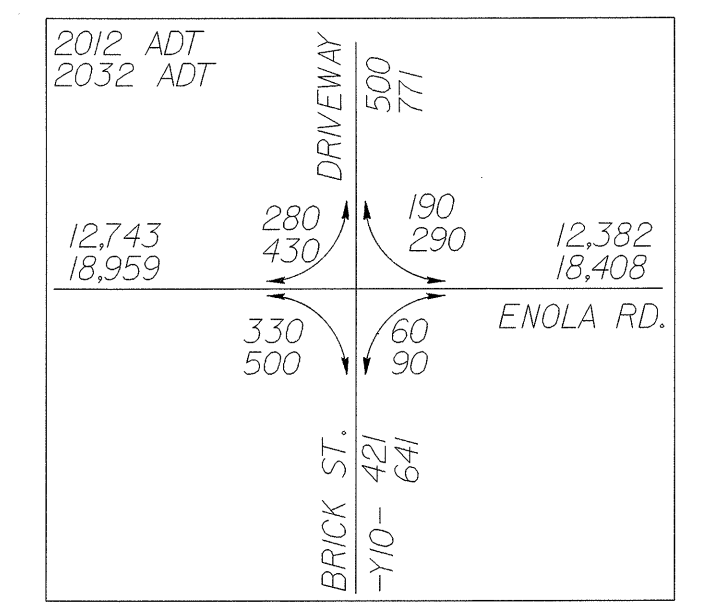
<p>-RPC- Pts Sta 10+66.67 Pts Sta 13+33.34 Pts Sta 16+00.00 Pts Sta 18+66.67 Gs = 1° 29' 05.07" Δ = 2° 16' 08.37" Δ = 5° 27' 00.00" (LT) Gs = 2° 16' 08.37" Δ = 1° 57' 04.4" (RT) Ls = 200.00' D = 200.00' D = 200.00' D = 200.00' D = 200.00' Lt = 133.34 T = 133.34' Lt = 133.34' T = 133.34' Lt = 133.34' T = 133.34' ST = 66.68' ST = 66.68' ST = 66.68' ST = 66.68' SE = DB SE = DB SE = DB SE = DB DS = 65 MPH DS = 65 MPH DS = 65 MPH DS = 65 MPH</p>	<p>-Y8- Pts Sta 41+17.50 Pts Sta 12+10.14 Pts Sta 15+08.91 Pts Sta 18+07.25 Gs = 3° 32' 47.4" (LT) Gs = 4° 48' 28.2" Δ = 10° 34' 31.5" (RT) Gs = 4° 48' 28.2" Ls = 250.00' D = 250.00' D = 250.00' D = 250.00' Lt = 203.649' T = 166.71' Lt = 166.71' T = 3° 49' 11.7" Lt = 166.71' ST = 104.307' R = 83.39' ST = 83.39' R = 1500.00' SE = DB DS = 65 MPH</p>
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MATCHLINE STA 23+00 -Y8- SEE SHEET 14
 MATCHLINE STA 82+50 -L- SEE SHEET UO-8
 MATCHLINE STA 70+00 -L- SEE SHEET UO-6
 MATCHLINE STA 51+00 -Y8- SEE SHEET 15
 SEE SHEET 2-J & 2-K FOR INTERSECTION DETAIL
 PAVEMENT WORK BEING DONE ONLY ON RAMPS AND UNDER BRIDGE
 SEE SHEET 18 FOR -L- PROFILE
 SEE SHEET 21 FOR -RPA- PROFILE
 SEE SHEET 22 FOR -RPB- PROFILE
 SEE SHEET 23 FOR -RPC- PROFILE
 SEE SHEET 24 FOR -RPD- PROFILE
 SEE SHEETS 26 & 27 FOR -Y8- PROFILE

UTILITIES BY OTHERS

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

-L-	-Y9-	-SRI-	-SRI-
PI Sta 92+70.47	PI Sta 11+42.26	PI Sta 12+51.52	PI Sta 10+92.24
$\Delta = 16^{\circ} 20' 06.0''$ (RT)	$\Delta = 6^{\circ} 24' 53.9''$ (RT)	$\Delta = 4^{\circ} 35' 35.4''$ (RT)	$\Delta = 6^{\circ} 31' 14.0''$ (RT)
D = 2' 29' 28.0"	D = 4' 10' 58.6"	D = 7' 02' 11.9"	D = 7' 38' 22.0"
L = 655.73'	L = 153.36'	L = 65.27'	L = 85.35'
T = 330.10'	T = 176.76'	T = 32.65'	T = 42.72'
R = 2,300.00'	R = 1,369.75'	R = 814.25'	R = 750.00'
SE = .03	SE = SEE PLANS	SE = SEE PLANS	SE = NC
DS = 40 MPH	DS = 20 MPH	DS = 15 MPH	DS = 40 MPH

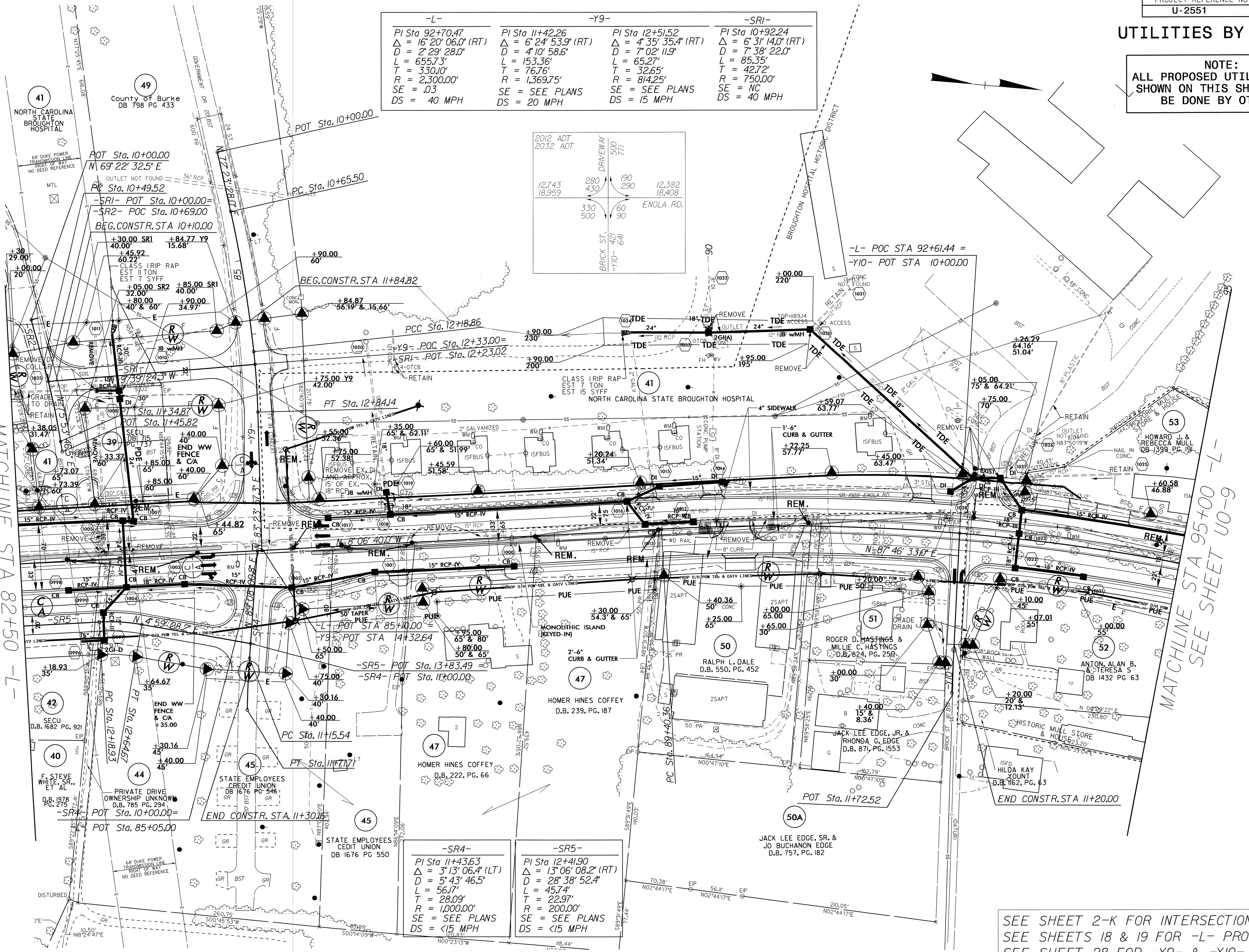


RIGHT OF WAY REVISION: ADJUSTED PUE FORM STA 89+30 TO 90+25 -L- RT. STS 1208/0
 RIGHT OF WAY REVISION: ADDED PARCEL 50A JACK LEE EDGE, JR. & RHONDA G. EDGE. STS 1208/0
 RIGHT OF WAY REVISION: ADJUSTED RIGHT OF WAY, ADJUSTED PUE AND CONSTRUCTION EASEMENT ON PARCEL 41 & 49. STS 1208/0
 RIGHT OF WAY REVISION: ADDED -SR4- AND -SR5- AND ADJUSTED RIGHT OF WAY ON PARCELS 42, 44 AND 45. STS 1208/0
 RIGHT OF WAY REVISION: REVISED STATION AND OFFSET LABELS BASED ON STAKING PLANS. STS 1208/0
 RIGHT OF WAY REVISION: REVISED PROPERTY LINE, NAME AND DEED BOOK ON PARCELS 52 & 53. STS 2/10/2011
 RIGHT OF WAY REVISION: REVISED DUKE POWER TRANSMISSION LINE EASEMENT TO 68'. STS 2/10/2011
 RIGHT OF WAY REVISION: REVISED STATION AND OFFSET LABELS BASED ON STAKING PLANS. STS 2/25/2011
 RIGHT OF WAY REVISION: ELIMINATED EASEMENT ON PARCEL 41, ELIMINATED HOUSE AND SHEDSON PARCEL 45, AND ADDED DRIVE TO PARCEL 50. STS 3/22/2011
 RIGHT OF WAY REVISION: REVISED PDE STATION TO -SRI- 10+45.92/60.22'. LT. STS 3/23/2011
 RIGHT OF WAY REVISION: MOVED DRAINAGE OFF DUKE POWER EASEMENT. REVISED PDE & CONSTR. EASEMENT ON SECU PARCEL 39 STS 6/15/2011
 RIGHT OF WAY REVISION: NAME CHANGE PARCEL 40. STS 9/7/2011

MATCHLINE STA 82+50 -L-
SEE SHEET UO-7

MATCHLINE STA 95+00 -L-
SEE SHEET UO-9

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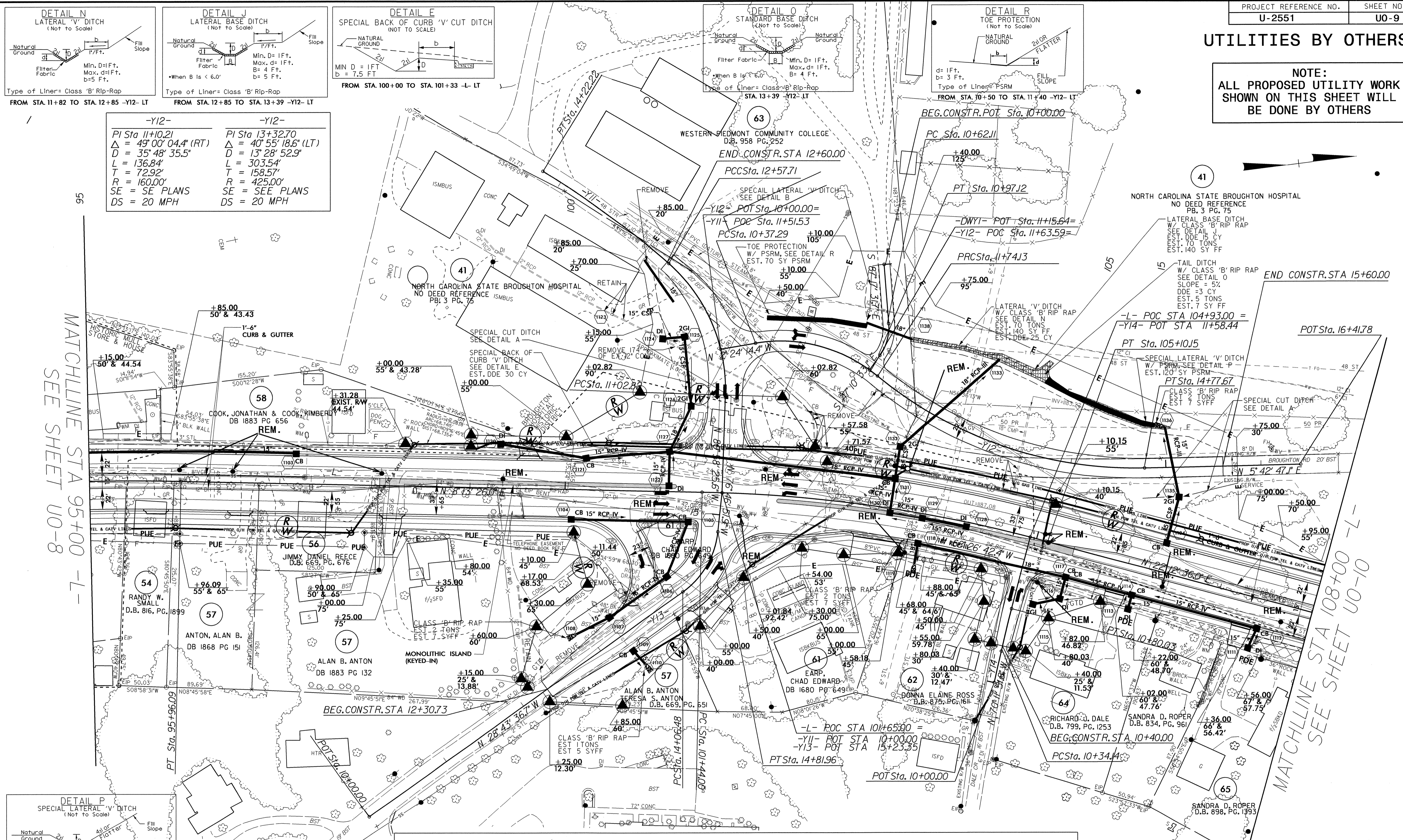


-SR4-	-SR5-
PI Sta 11+43.63	PI Sta 12+41.90
$\Delta = 3^{\circ} 13' 06.4''$ (LT)	$\Delta = 13^{\circ} 06' 08.2''$ (RT)
D = 5' 43' 46.5"	D = 28' 38' 52.4"
L = 56.17'	L = 45.74'
T = 28.09'	T = 22.97'
R = 1,000.00'	R = 200.00'
SE = SEE PLANS	SE = SEE PLANS
DS = <15 MPH	DS = <15 MPH

SEE SHEET 2-K FOR INTERSECTION DETAIL
 SEE SHEETS 18 & 19 FOR -L- PROFILE
 SEE SHEET 28 FOR -Y9- & -Y10- PROFILES

UTILITIES BY OTHERS

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



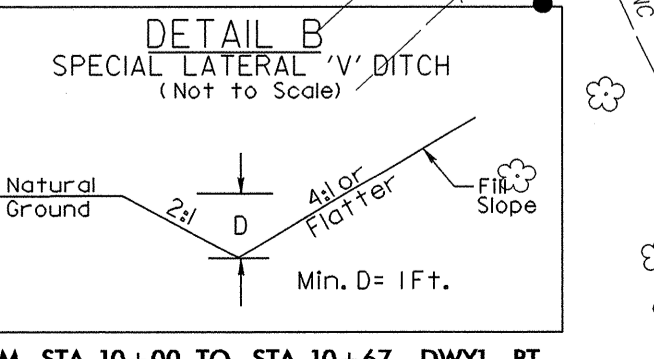
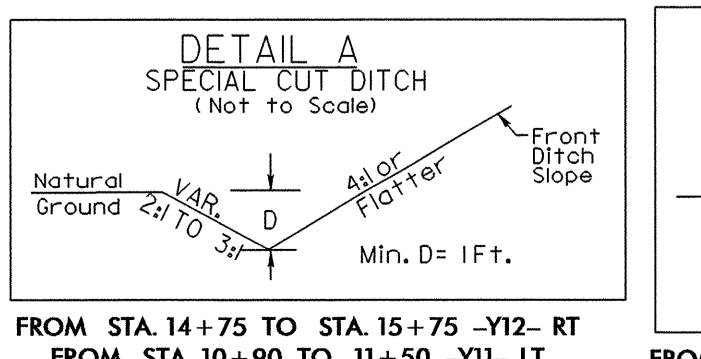
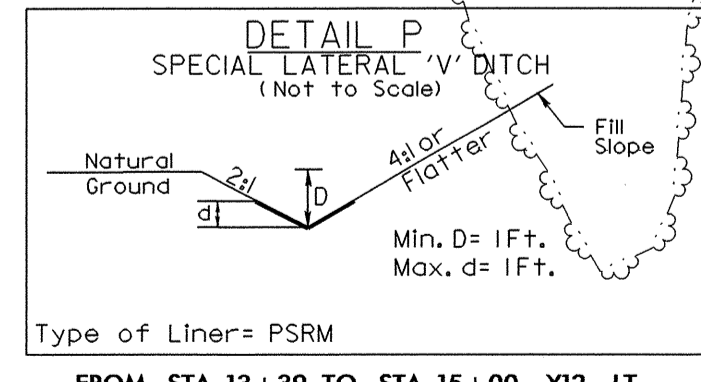
-Y12-	
PI Sta 11+10.21	PI Sta 13+32.70
$\Delta = 49^{\circ} 00' 04.4''$ (RT)	$\Delta = 40^{\circ} 55' 18.6''$ (LT)
D = 35' 48" 35.5"	D = 13' 28" 52.9"
L = 136.84'	L = 303.54'
T = 72.92'	T = 158.57'
R = 160.00'	R = 425.00'
SE = SE PLANS	SE = SEE PLANS
DS = 20 MPH	DS = 20 MPH

-L-	-Y11-	-Y12-	-Y13-	-Y14-	-DWY1-
PI Sta 103+27.99	PI Sta 13+40.16	PI Sta 11+85.75	PI Sta 14+46.60	PI Sta 10+57.09	PI Sta 10+80.36
$\Delta = 13^{\circ} 59' 10.0''$ (RT)	$\Delta = 9^{\circ} 40' 03.0''$ (LT)	$\Delta = 50^{\circ} 42' 41.5''$ (LT)	$\Delta = 48^{\circ} 03' 15.2''$ (LT)	$\Delta = 1^{\circ} 45' 09.5''$ (RT)	$\Delta = 40^{\circ} 06' 58.6''$ (RT)
D = 3' 49" 11.0"	D = 5' 52" 35.4"	D = 32' 44" 25.6"	D = 63' 39" 43.1"	D = 3' 49" 11.0"	D = 11' 35" 29.6"
L = 366.16'	L = 164.51'	L = 154.89'	L = 75.48'	L = 45.88'	L = 35.01'
T = 183.99'	T = 82.45'	T = 82.93'	T = 40.12'	T = 18.26'	T = 18.26'
R = 1,500.00'	R = 975.00'	R = 175.00'	R = 90.00'	R = 1,500.00'	R = 50.00'
SE = .03	SE = SEE PLANS	SE = SEE PLANS	SE = SEE PLANS	SE = SEE PLANS	SE = NC
DS = 40 MPH	DS = 15 MPH	DS = 10 MPH	DS = 10 MPH	DS = 40 MPH	DS = 10 MPH

DO NOT DISTURB AND/OR
RAISE MONITORING WELLS
DURING CONSTRUCTION ON PARCEL 61.

SEE SHEET 2-L FOR INTERSECTION DETAIL
SEE SHEET 19 FOR -L- PROFILE
SEE SHEET 28 FOR -Y11- & -Y12- PROFILES
SEE SHEET 29 FOR -Y13- & -Y14- PROFILES

RIGHT OF WAY REVISION: ADDED TCE AT STA 107+00 TO STA 107+95 -L- LT. STS 1208/10
 RIGHT OF WAY REVISION: REVISED STATION AND OFFSET LABELS BASED ON STAKING PLANS. STS 125/2011
 RIGHT OF WAY REVISION: ADDED PDE AT OUTLET OF 18" RCP ON PARCEL 62. STS 201/2011
 RIGHT OF WAY REVISION: NAME AND DEED BOOK CHANGED ON PARCELS 55, 57, 58, 59 & 61. STS 210/2011
 RIGHT OF WAY REVISION: ADDED DRIVE FOR PARCEL 54 & 55. STS 322/2011
 RIGHT OF WAY REVISION: PARCEL NUMBER CHANGE ON PARCEL 57 AND 61, REMOVED BUILDING ON PARCEL 57 (FORMERLY 55). STS 9/2011
 RIGHT OF WAY REVISION: REVISED PARCEL 61 RIGHT OF WAY AND CHANNELIZATION ON PARCEL 61. STS 1028/2011
 RIGHT OF WAY REVISION: ADDED CURB CUT FOR PARCEL 58. STS 1028/2011



MATCHLINE STA 95+00 -L-
SEE SHEET U0-8

MATCHLINE STA 108+00 -L-
SEE SHEET U0-10

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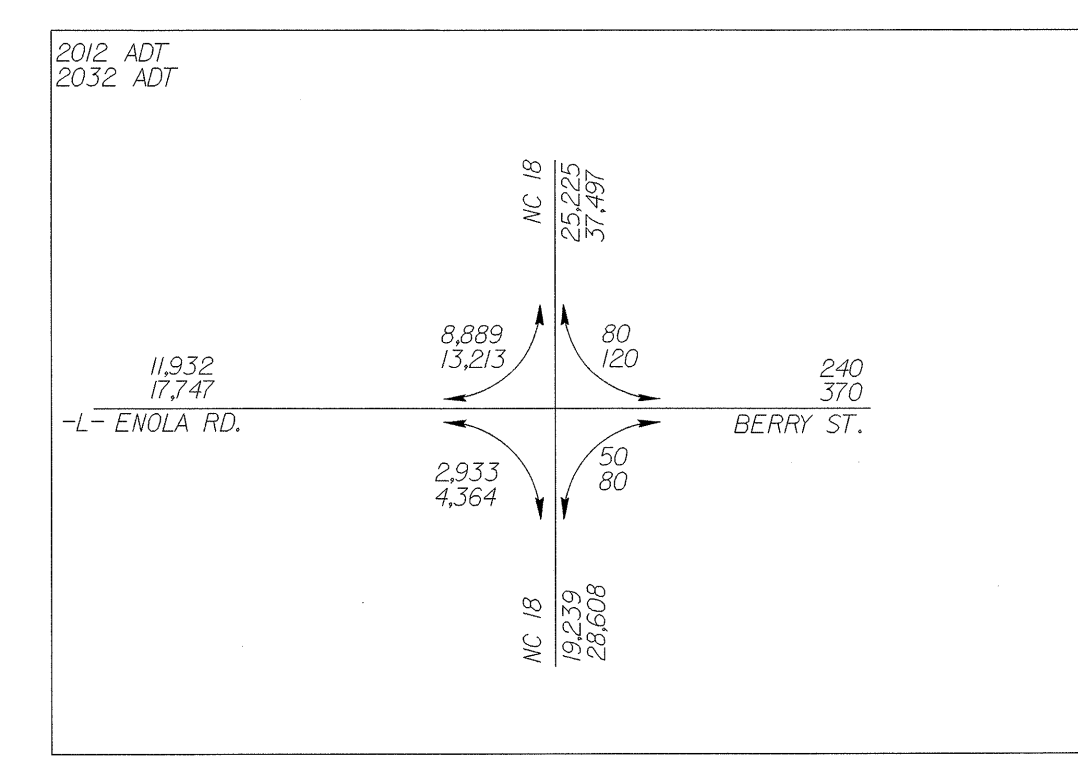
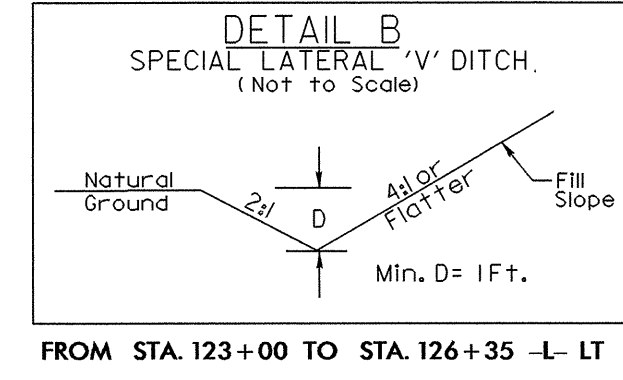
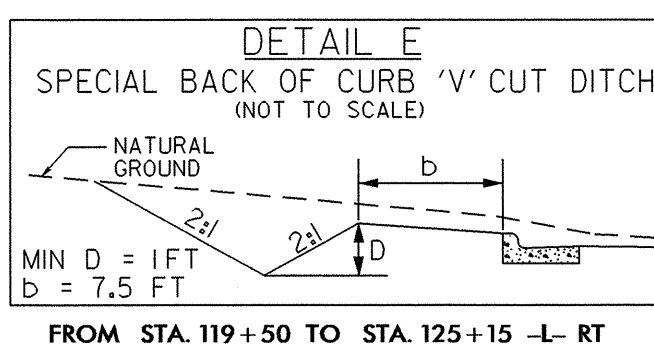
UTILITIES BY OTHERS

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

-L-	-Y16-
PI Sta 125+86.26	PI Sta 15+26.26
$\Delta = 30^\circ 18' 54.0''$ (RT)	$\Delta = 19^\circ 44' 07.0''$ (RT)
D = 20' 27' 46.0"	D = 1' 59' 59.9"
L = 148.15'	L = 986.78'
T = 75.85'	T = 498.32'
R = 280.00'	R = 2,864.82'
SE = SEE PLANS	
DS = 30 MPH	

MATCHLINE STA 120+00 -L-
SEE SHEET 10

END TIP PROJECT U-2551
-L- POT STA 127+08.55=
-Y16- POC STA 15+27.00



RIGHT OF WAY REVISION: REVISED STATION AND OFFSET BASED ON STAKING PLANS, STS 125/2011
RIGHT OF WAY REVISION: REVISED NAME ON PARCEL 78 TO SHARON L. ROBINSON, STS 2/01/2011
RIGHT OF WAY REVISION: NAME AND DEED BOOK CHANGED ON PARCEL 76, STS 2/10/2011

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