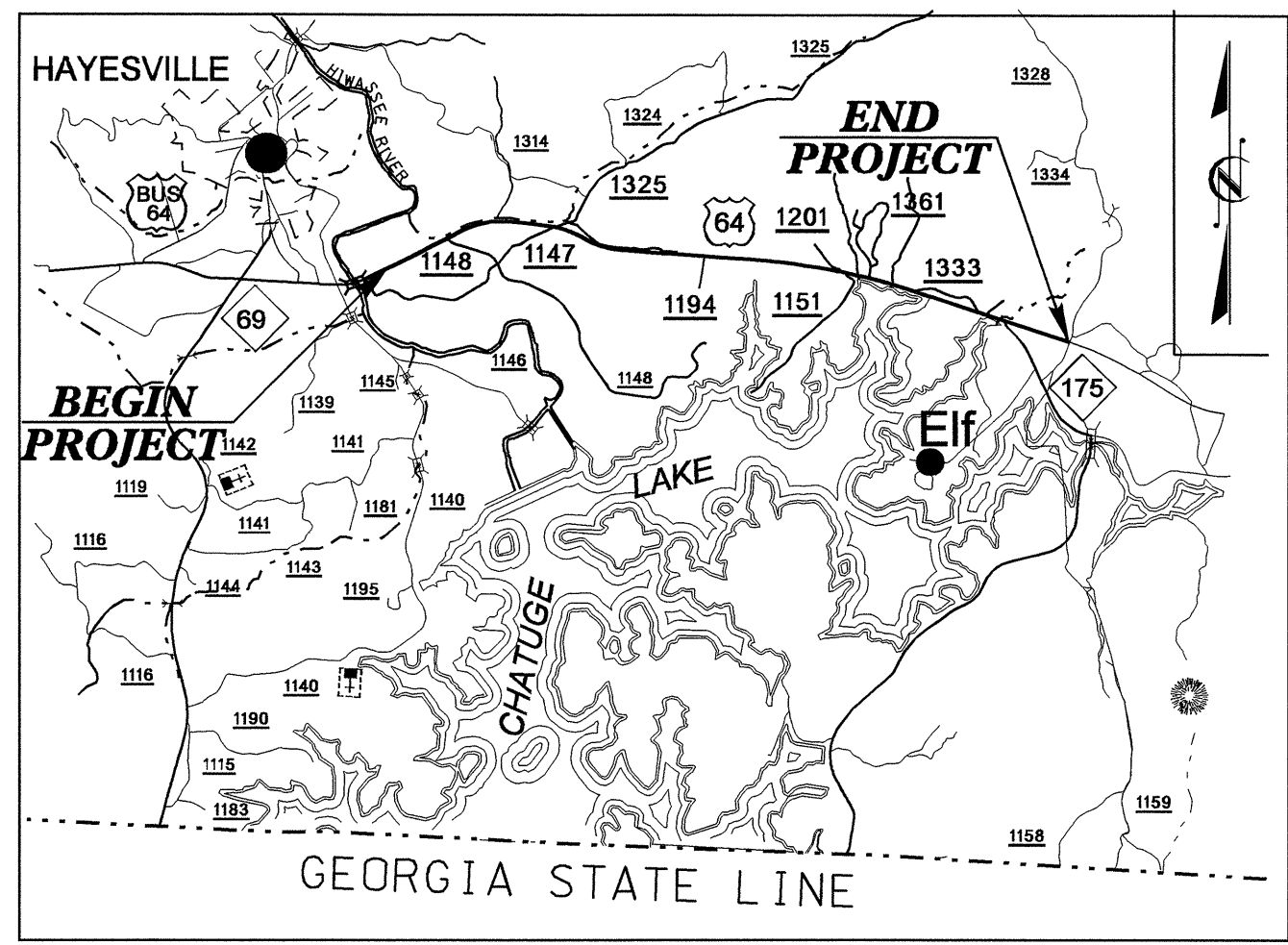


TIP PROJECT: A-0011BB

T.I.P. NO.	SHEET NO.
A-0011BB	UC-1



VICINITY MAP

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

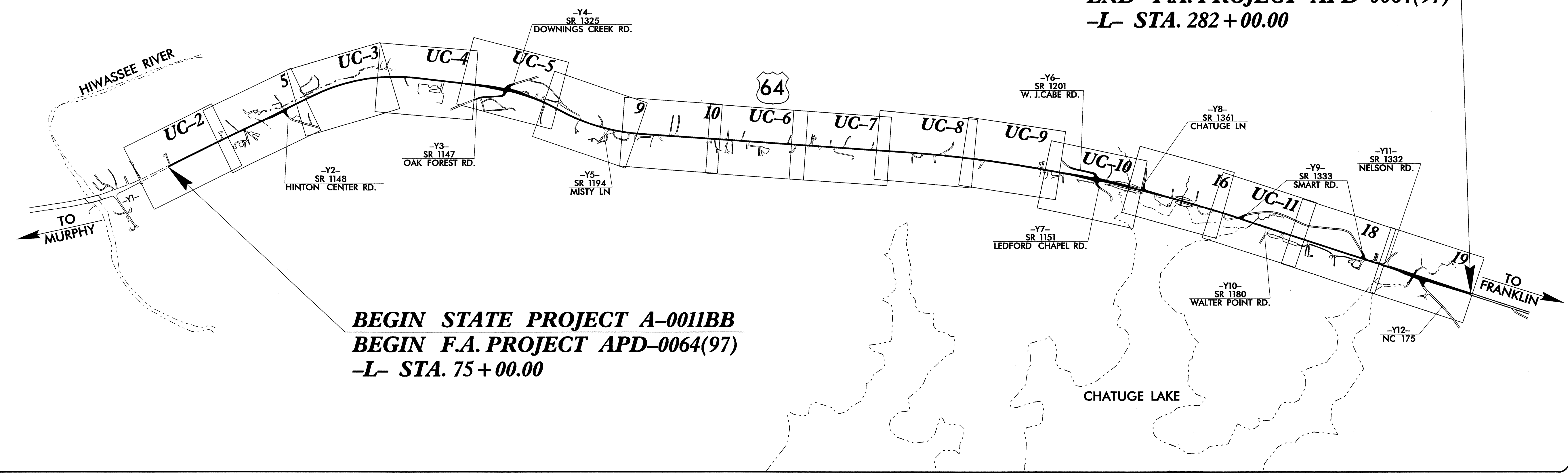
**UTILITIES CONSTRUCTION PLANS
CLAY COUNTY**

LOCATION: US 64 FROM EAST OF THE HIWASSEE RIVER TO EAST OF NC 175

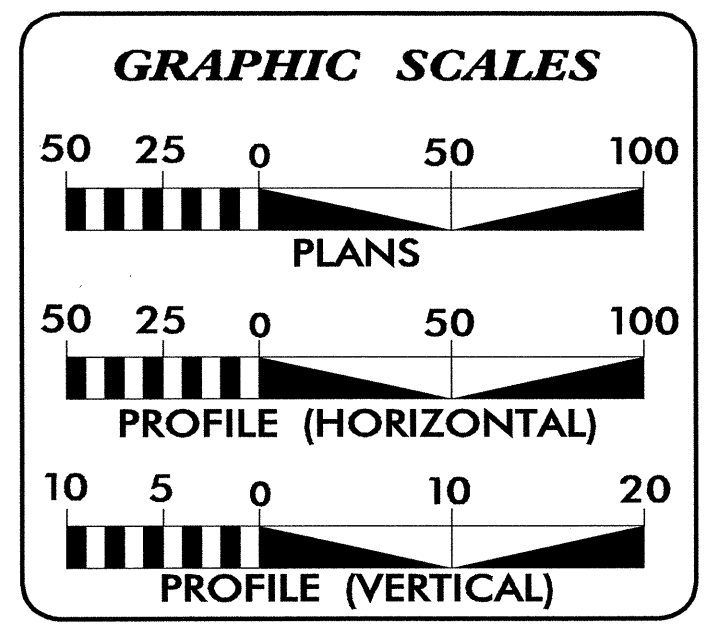
TYPE OF WORK: UTILITIES CONSTRUCTION

NAD 83 / 95

END STATE PROJECT A-0011BB
END F.A. PROJECT APD-0064(97)
-L- STA. 282 + 00.00



BEGIN STATE PROJECT A-0011BB
BEGIN F.A. PROJECT APD-0064(97)
-L- STA. 75 + 00.00

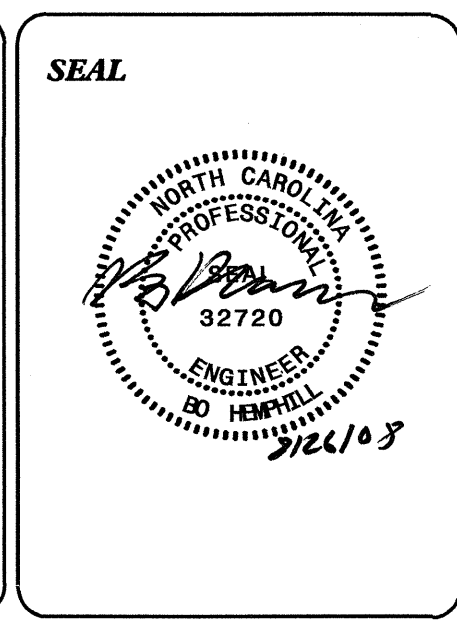


INDEX OF SHEETS

SHEET NO.	DESCRIPTION
UC-1	TITLE SHEET
UC-2 THRU UC-11	UTILITY CONSTRUCTION PLAN SHEETS
UC-12	DETAILS SHEET

WATER AND SEWER OWNERS ON PROJECT

(1) CLAY COUNTY WATER AND SEWER DISTRICT



PREPARED IN THE OFFICE OF:
**DIVISION OF HIGHWAYS
PROJECT SERVICES
UTILITIES SECTION**

1591 MAIL SERVICES CENTER
RALEIGH NC 27699-1591
PHONE (919) 250-4128
FAX (919) 250-4119

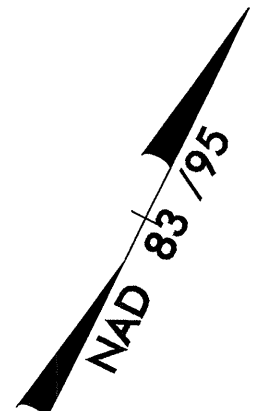
Roger Worthington, P.E. UTILITIES SECTION ENGINEER
Carl Barclay, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
Bo Hemphill, P.E. UTILITIES PROJECT DESIGNER

26-AUG-2008 10:17
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\$\$\$\$\$USER\$NAME\$\$\$\$\$

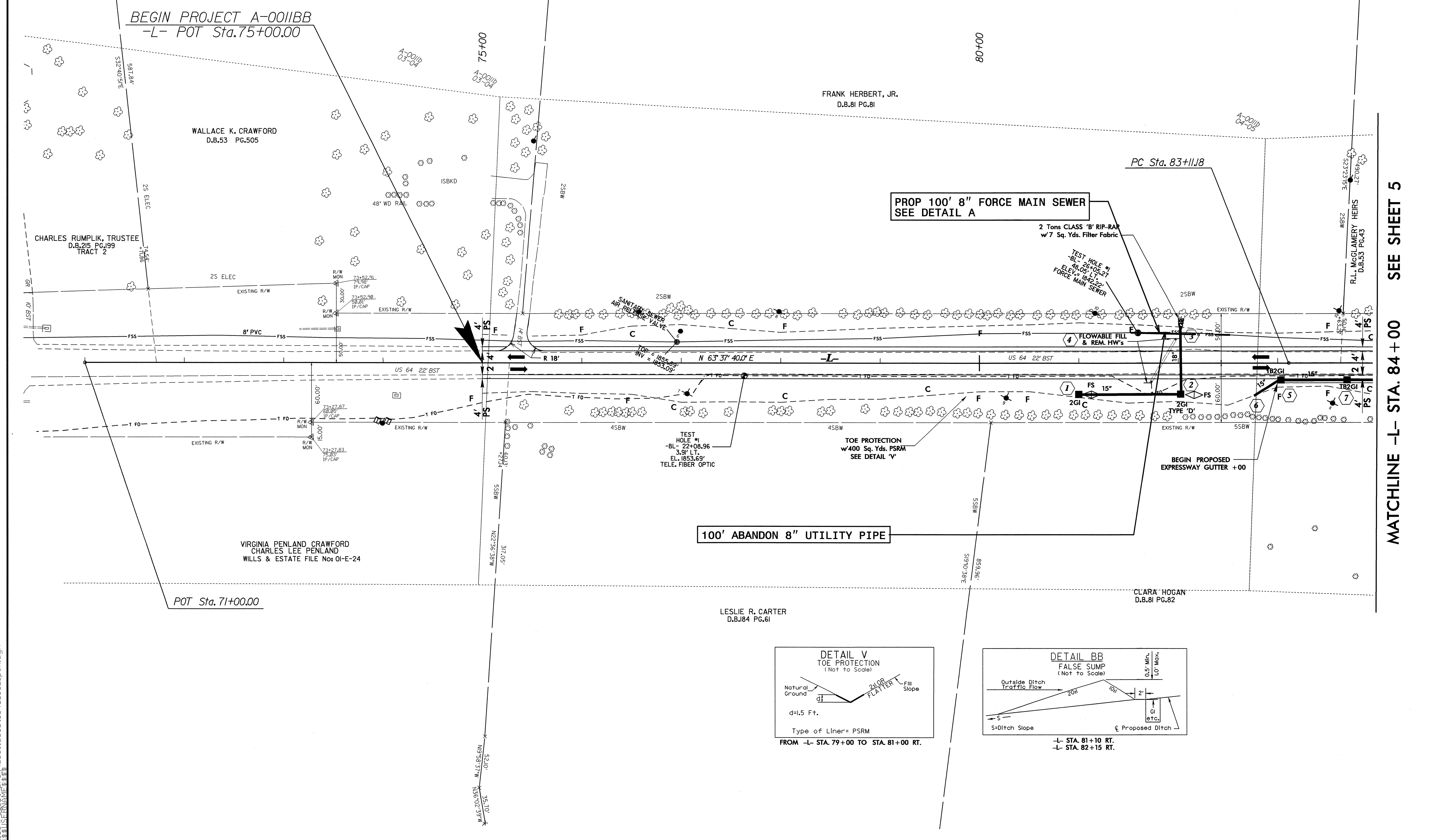
5/14/99

PROJECT REFERENCE NO.	SHEET NO.
A-0011BB	UC-2
DESIGNED BY: BH	
DRAWN BY: BH	
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

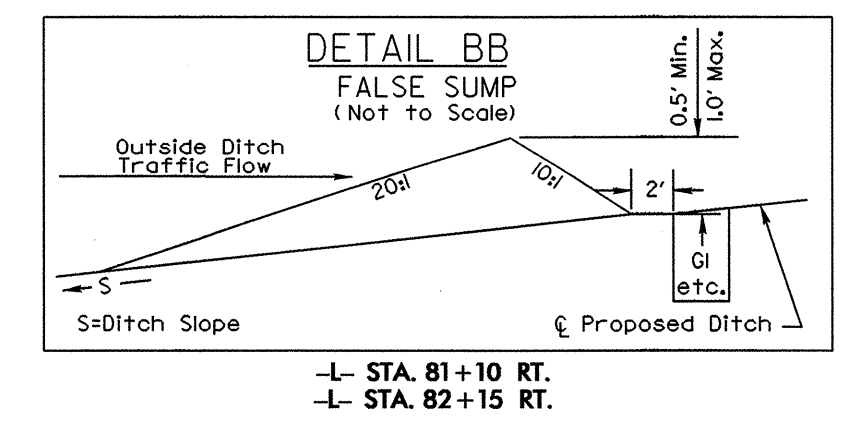
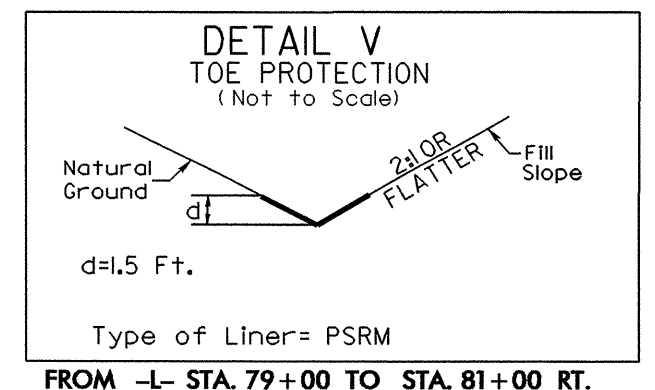


-L-
 PI Sta 85+94.05
 $\Delta = 1' 37'' 14.2'' (RT)$
 $D = 0' 17'' 11.3''$
 $L = 565.70'$
 $T = 282.87'$
 $R = 20,000.00'$



PROP 100' 8" FORCE MAIN SEWER
SEE DETAIL A

100' ABANDON 8" UTILITY PIPE

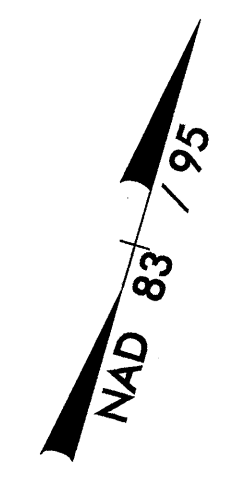


MATCHLINE -L- STA. 84 + 00 SEE SHEET 5

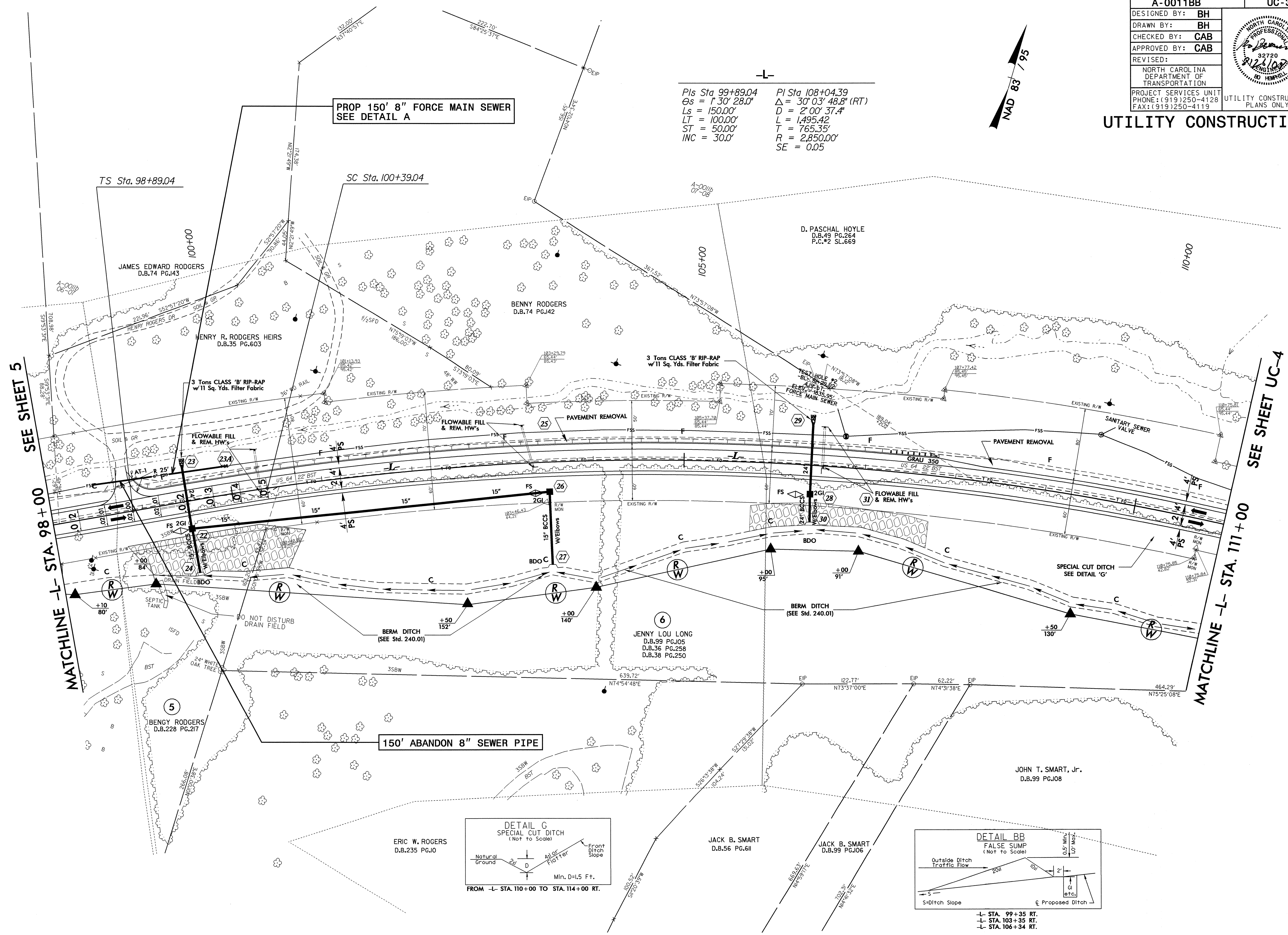
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PROJECT REFERENCE NO.	SHEET NO.
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DESIGNED BY: BH	
DRAWN BY: BH	
CHECKED BY: CAB	
APPROVED BY: CAB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
PROJECT SERVICES UNIT PHONE: (919) 250-4128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

UTILITY CONSTRUCTION

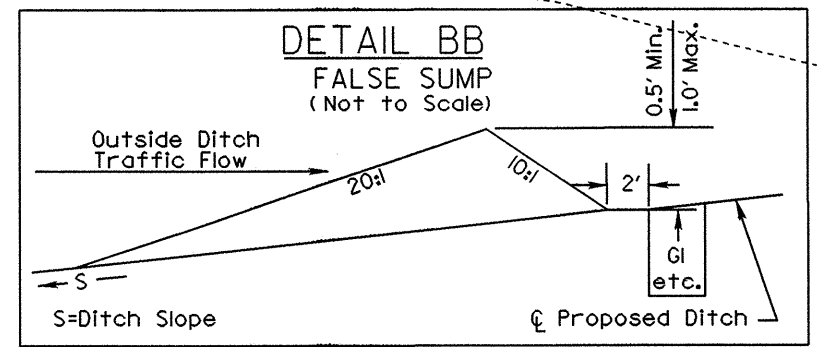
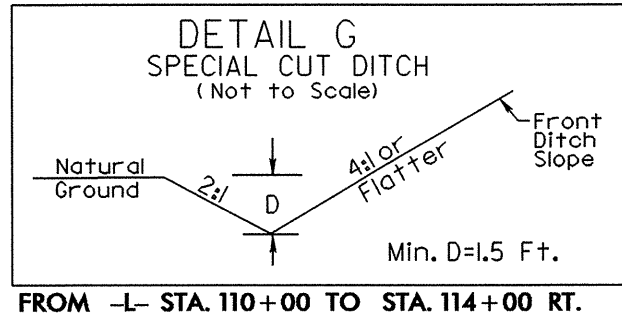


Pls Sta 99+89.04 PI Sta 108+04.39
 $\Theta_s = 1^{\circ} 30' 28.0''$ $\Delta = 30^{\circ} 03' 48.8''$ (RT)
 $L_s = 150.00'$ $D = 2^{\circ} 00' 37.4''$
 $LT = 100.00'$ $L = 1,495.42'$
 $ST = 50.00'$ $T = 765.35'$
 $INC = 30.0'$ $R = 2,850.00'$
 $SE = 0.05$



**PROP 150' 8" FORCE MAIN SEWER
SEE DETAIL A**

150' ABANDON 8" SEWER PIPE

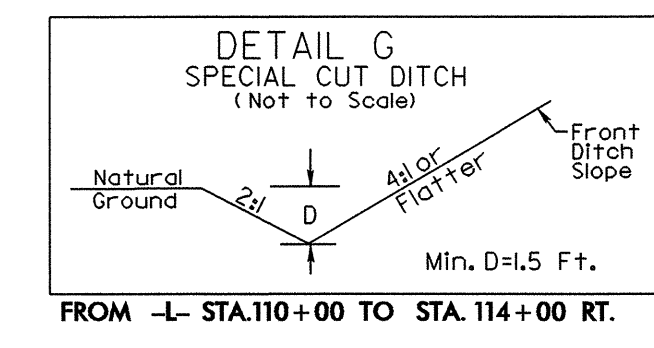
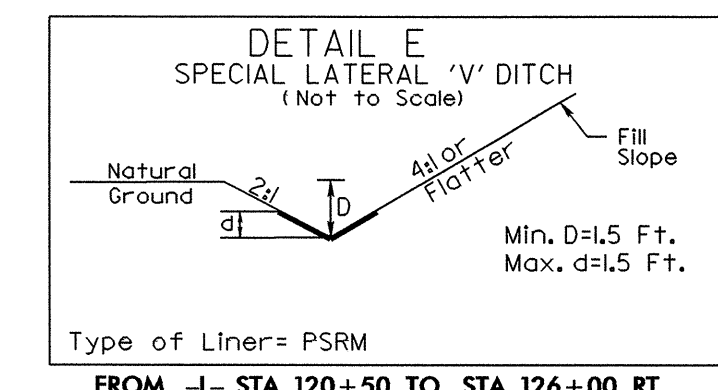
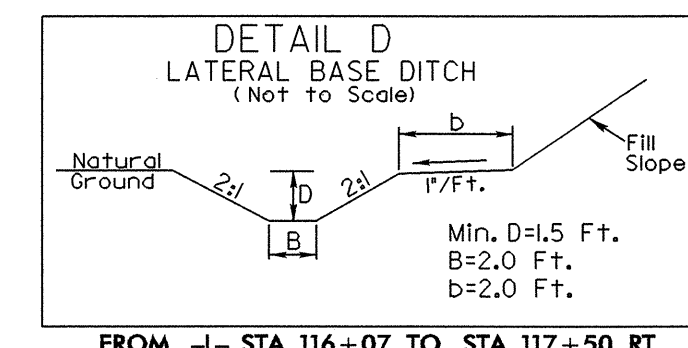
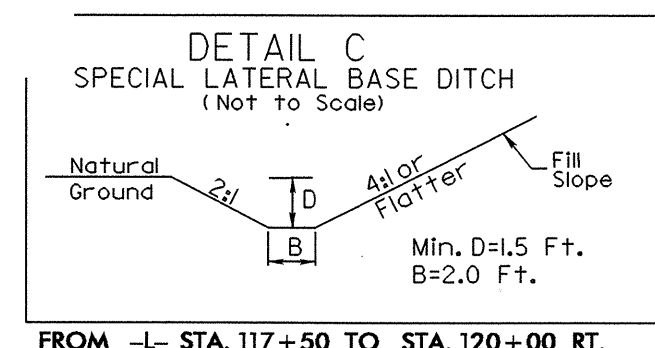
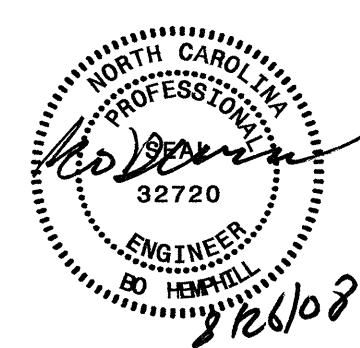


MATCHLINE -L- STA. 98+00 SEE SHEET 5

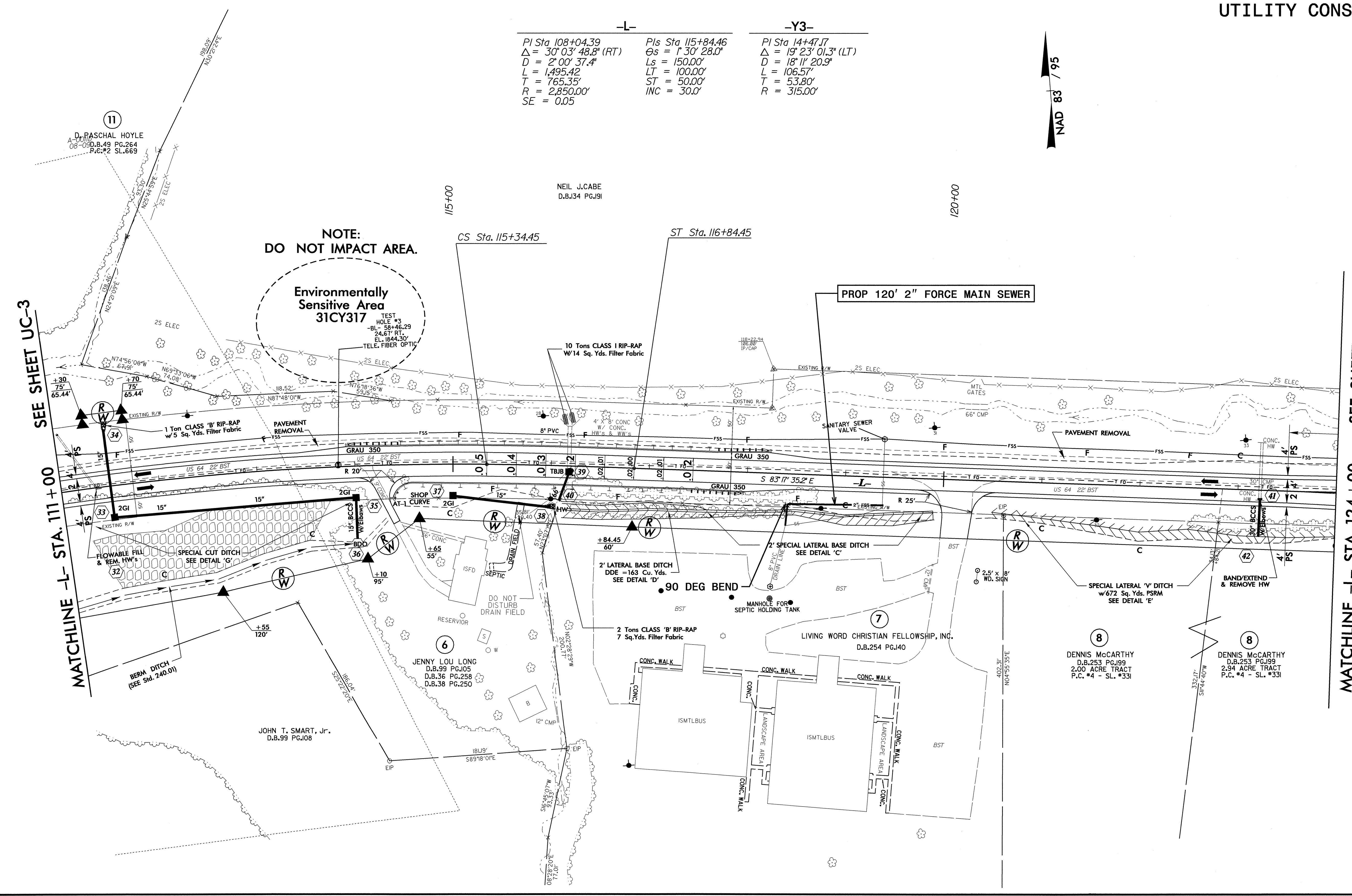
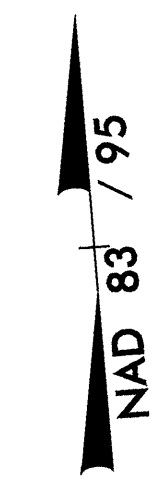
MATCHLINE -L- STA. 111+00 SEE SHEET UC-4

5/14/99
26-AUG-2008 11:49 a0011bb_ut_06_uc03_psh.dgn

PROJECT REFERENCE NO.	SHEET NO.
A-0011BB	UC-4
DESIGNED BY: BH	
DRAWN BY: BH	
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-		-Y3-	
PI Sta 108+04.39	PIs Sta 115+84.46	PI Sta 14+47.17	
$\Delta = 30^{\circ} 03' 48.8''$ (RT)	$\Theta_s = 1^{\circ} 30' 28.0''$	$\Delta = 19^{\circ} 23' 01.3''$ (LT)	
D = 2' 00' 37.4"	$L_s = 150.00'$	D = 18' 11' 20.9"	
L = 1,495.42'	LT = 100.00'	L = 106.57'	
T = 765.35'	ST = 50.00'	T = 53.80'	
R = 2,850.00'	INC = 30.0'	R = 315.00'	
SE = 0.05			



**NOTE:
DO NOT IMPACT AREA.**


**Environmentally Sensitive Area
31CY317**

TEST HOLE #3
-BL- 58+46.29
24.67' RT.
EL. 1844.30'
TELE. FIBER OPTIC

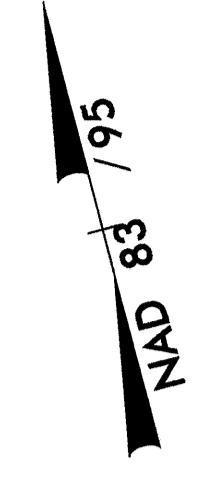
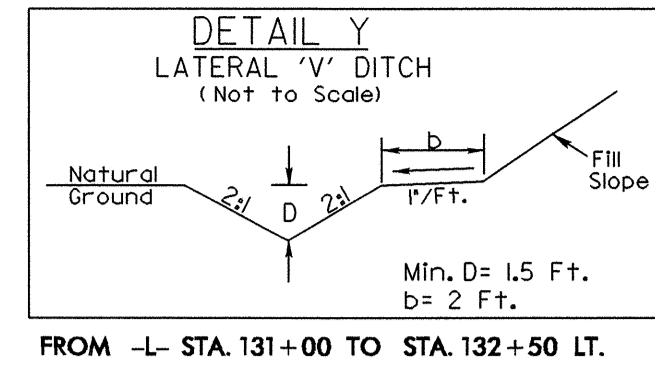
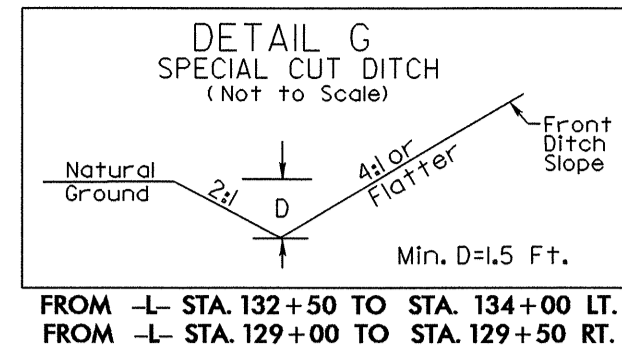
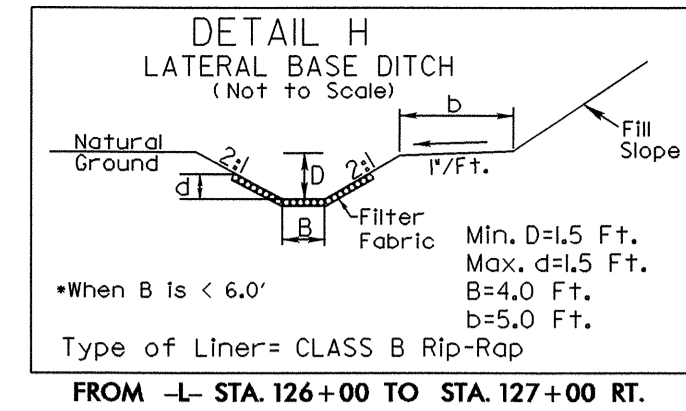
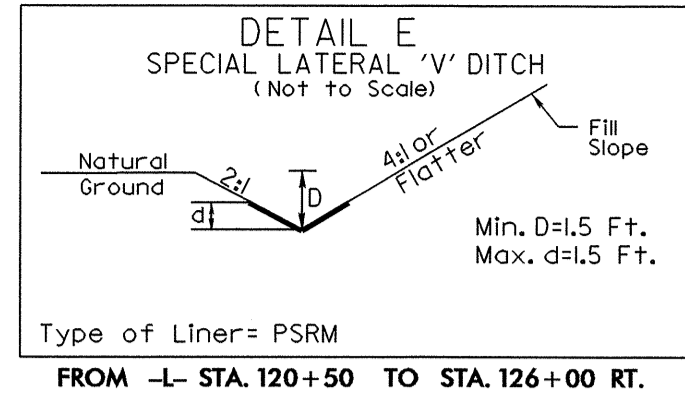
SEE SHEET UC-3
MATCHLINE -L- STA. 111 + 00

SEE SHEET UC-3
MATCHLINE -L- STA. 124 + 00

5/14/99
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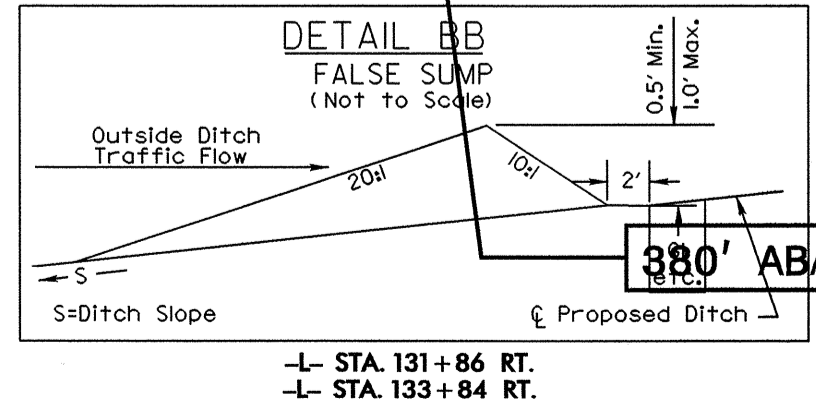
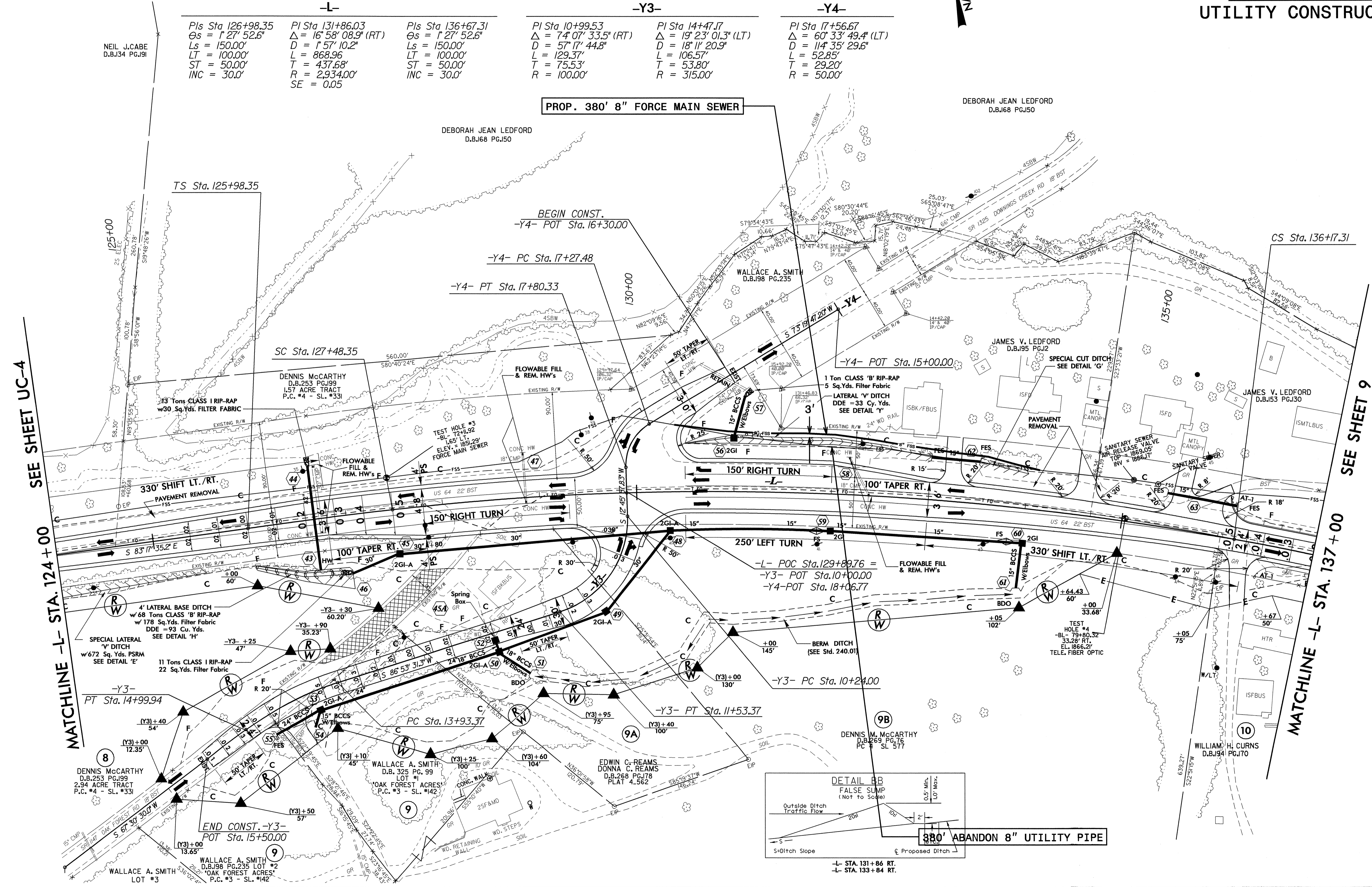
PROJECT REFERENCE NO.	SHEET NO.
A-0011BB	UC-5
DESIGNED BY: BH	
DRAWN BY: BH	
CHECKED BY: CAB	
APPROVED BY: CAB	
REVISED:	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
PROJECT SERVICES UNIT PHONE: (919) 250-4128 FAX: (919) 250-4119	UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION



<p>-L-</p> <p>Pls Sta 126+98.35 $\Theta_s = 1' 27' 52.6''$ $L_s = 150.00'$ $LT = 100.00'$ $ST = 50.00'$ $INC = 30.0'$</p>	<p>-Y3-</p> <p>PI Sta 131+86.03 $\Delta = 16' 58' 08.9'' (RT)$ $D = 57' 17' 10.2''$ $L = 868.96'$ $T = 437.68'$ $SE = 0.05$</p>	<p>-Y4-</p> <p>Pls Sta 136+67.31 $\Theta_s = 1' 27' 52.6''$ $L_s = 150.00'$ $LT = 100.00'$ $ST = 50.00'$ $INC = 30.0'$</p>	<p>-Y3-</p> <p>PI Sta 10+99.53 $\Delta = 74' 07' 33.5'' (RT)$ $D = 57' 17' 44.8''$ $L = 129.37'$ $T = 75.53'$ $R = 100.00'$</p>	<p>-Y4-</p> <p>PI Sta 14+47.17 $\Delta = 19' 23' 01.3'' (LT)$ $D = 18' 11' 20.9''$ $L = 106.57'$ $T = 53.80'$ $R = 315.00'$</p>	<p>-Y4-</p> <p>PI Sta 17+56.67 $\Delta = 60' 33' 49.4'' (LT)$ $D = 114' 35' 29.6''$ $L = 52.85'$ $T = 29.20'$ $R = 50.00'$</p>
--	--	---	--	--	---

PROP. 380' 8" FORCE MAIN SEWER




5/14/99
 26-AUG-2008 11:48
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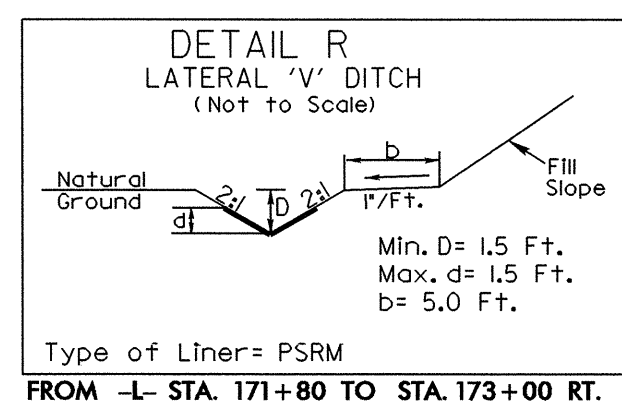
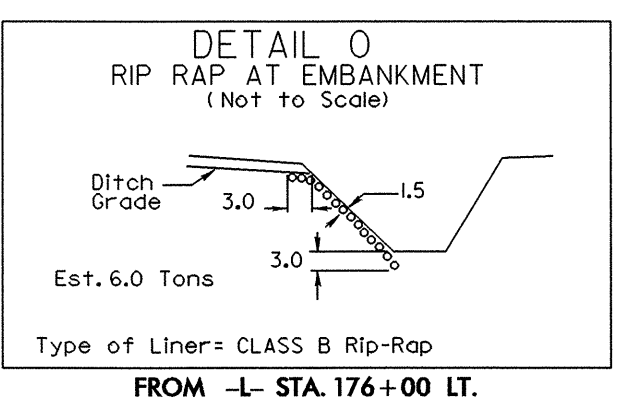
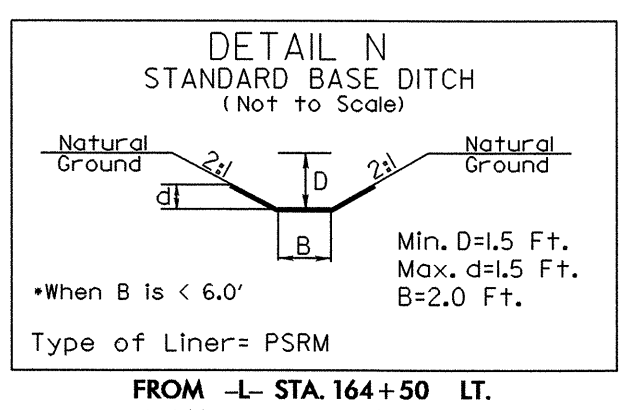
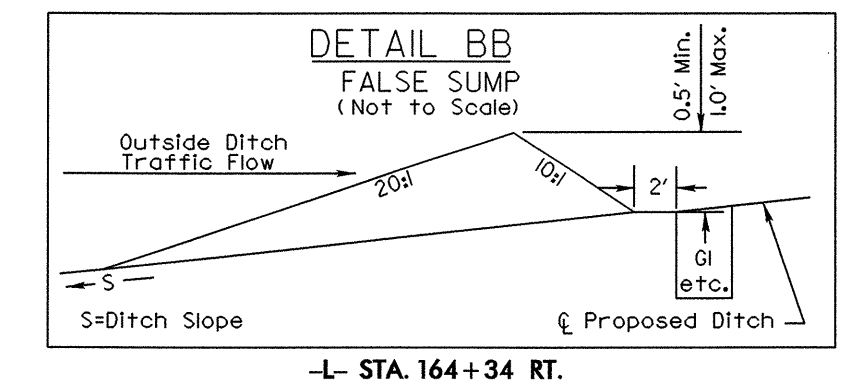
SEE SHEET UC-4

SEE SHEET 9

5/14/99

PROJECT REFERENCE NO.	SHEET NO.
A-0011BB	UC-6
DESIGNED BY: BH	
DRAWN BY: BH	
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



PROP. 300' 8" FORCE MAIN SEWER

PROP. 100' 8" FORCE MAIN SEWER
SEE DETAIL A

-DR2RT-

PI Sta 10+67.54 PI Sta 12+55.45
 $\Delta = 88^\circ 32' 53.8''$ (LT) $\Delta = 27^\circ 16' 47.2''$ (RT)
 $D = 190^\circ 59' 09.4''$ $D = 190^\circ 59' 09.4''$
 $L = 46.36'$ $L = 14.28'$
 $T = 29.25'$ $T = 7.28'$
 $R = 30.00'$ $R = 30.00'$

SEE SHEET 10

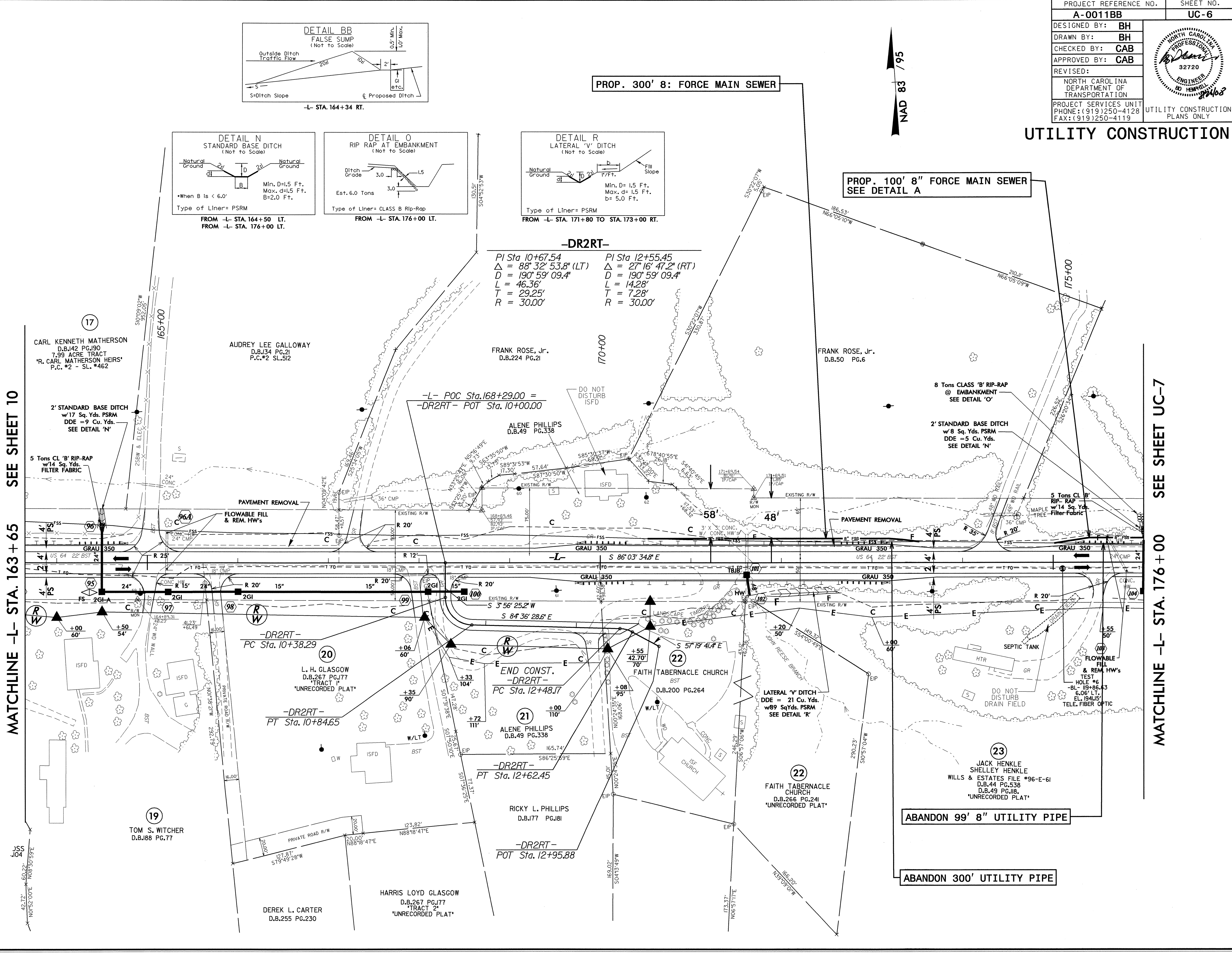
MATCHLINE -L- STA. 163+65

SEE SHEET 19

SEE SHEET UC-7

MATCHLINE -L- STA. 176+00

SEE SHEET UC-6



ABANDON 99' 8" UTILITY PIPE

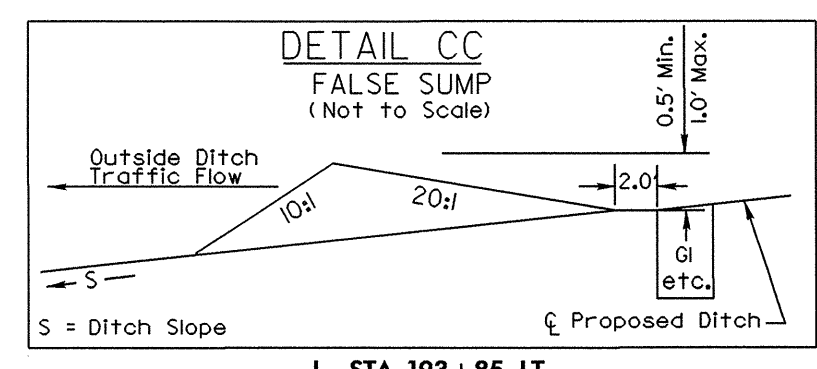
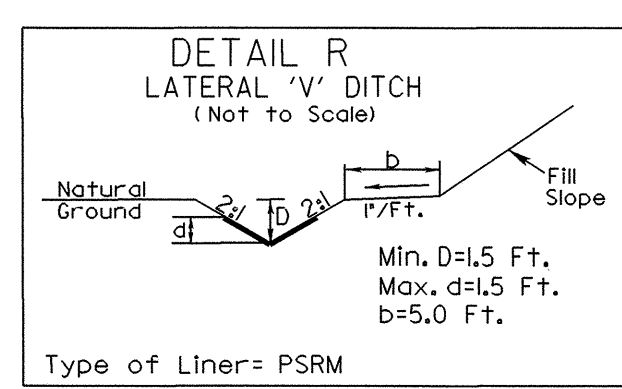
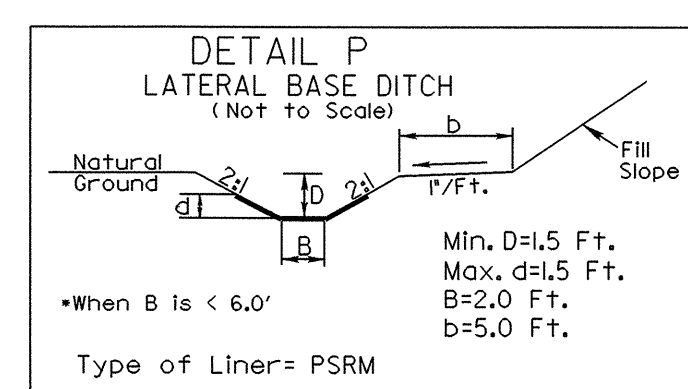
ABANDON 300' UTILITY PIPE

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PROJECT REFERENCE NO.	SHEET NO.
A-0011BB	UC-8
DESIGNED BY: BH	
DRAWN BY: BH	
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

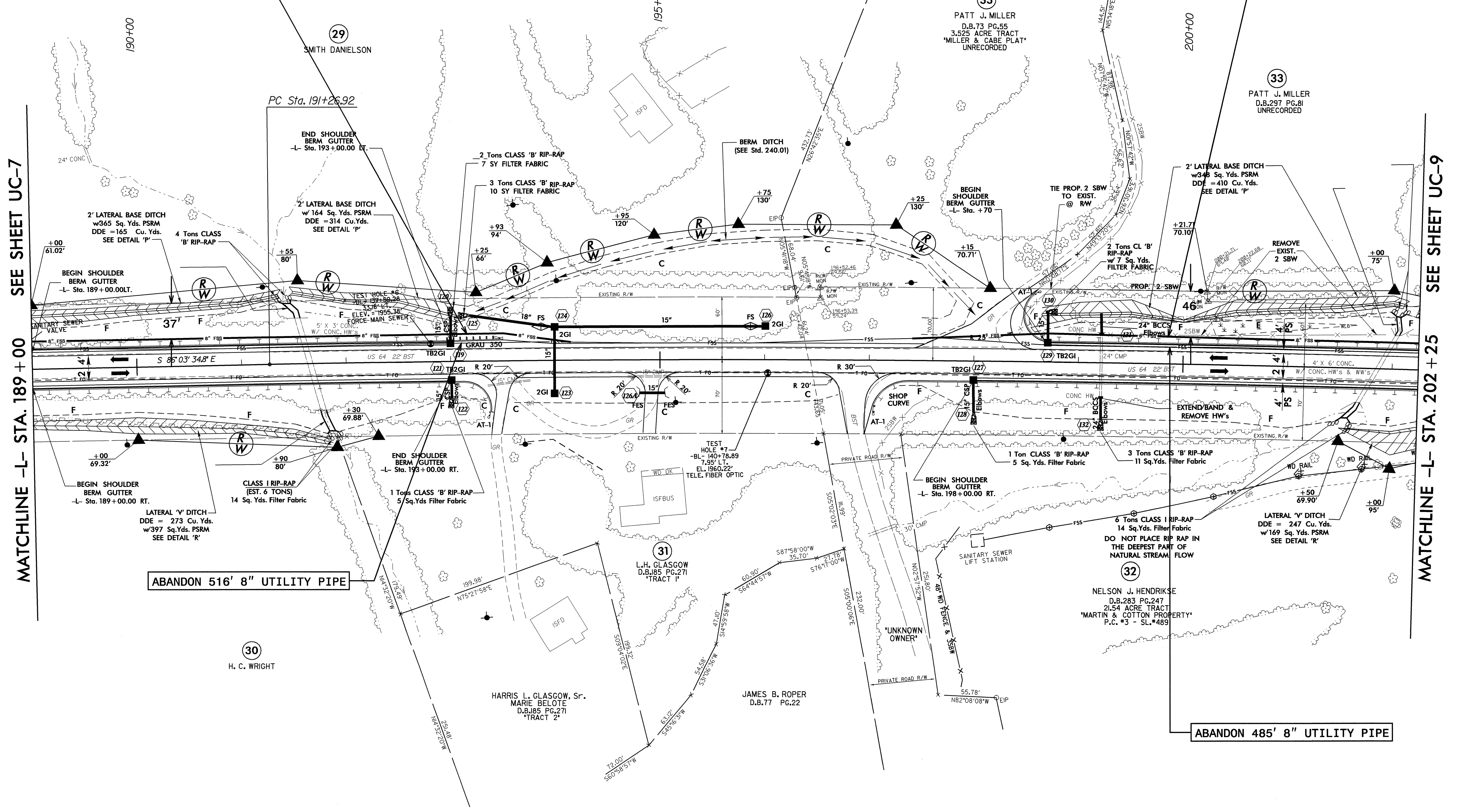


-L-
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 $\Delta = 14' 12' 37.6''$ (RT)
 $D = 0' 16' 01.6''$
 $L = 5,320.01'$
 $T = 2,673.73'$
 $R = 21,450.00'$

NAD 83 / 95

PROP. 517' 8" FORCE MAIN SEWER

PROP. 485' 8" FORCE MAIN SEWER



SEE SHEET UC-7

SEE SHEET UC-9

MATCHLINE -L- STA. 189 + 00


MATCHLINE -L- STA. 202 + 25

ABANDON 516' 8" UTILITY PIPE

ABANDON 485' 8" UTILITY PIPE

5/14/99
26-AUG-2008 11:46
a0011bb_ut_13_uc08_psh.dgn

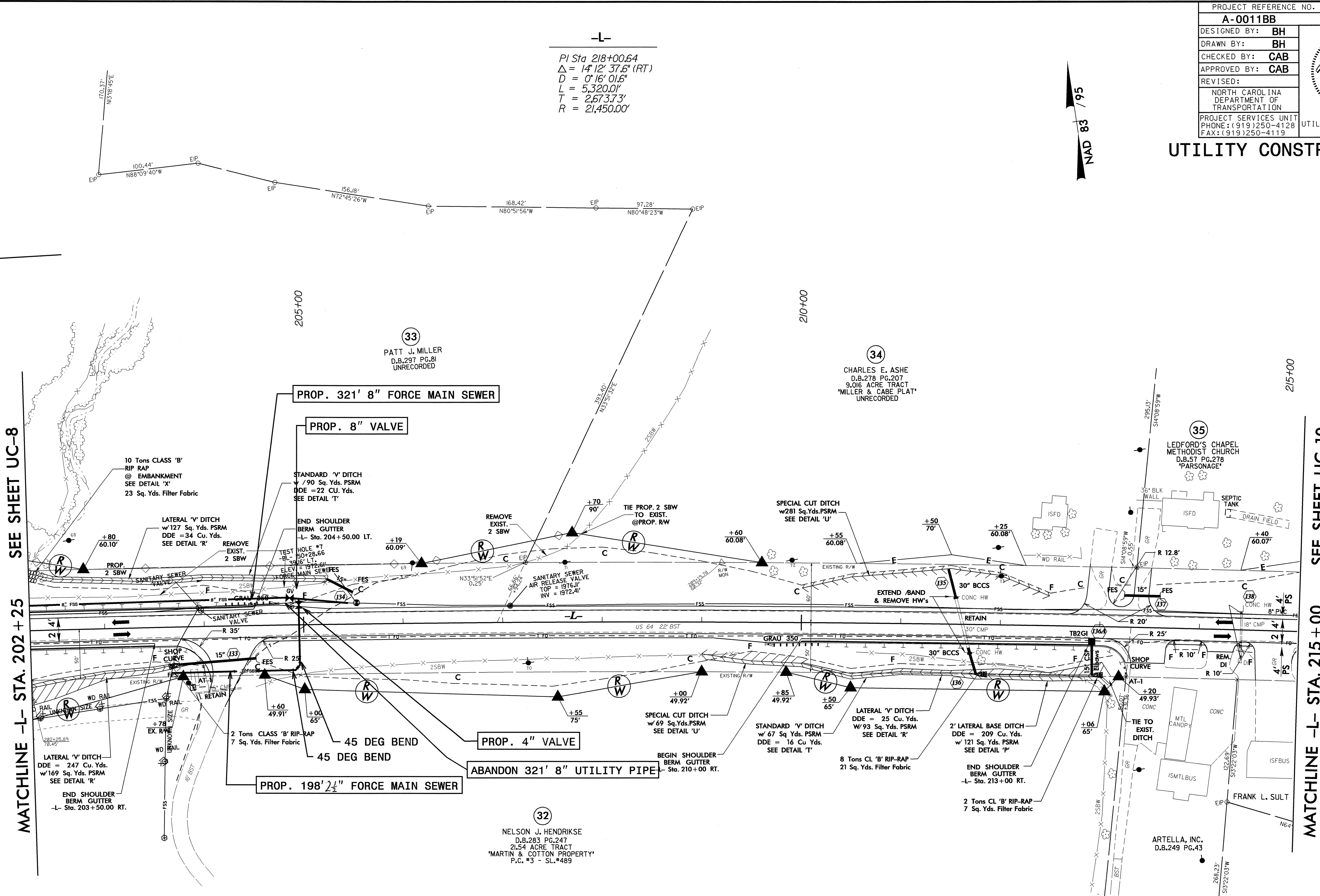
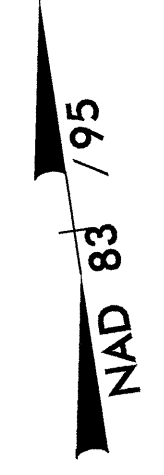
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PROJECT REFERENCE NO.	SHEET NO.
A-0011BB	UC-9
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DRAWN BY: BH	
CHECKED BY: CAB	
APPROVED BY: CAB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
PROJECT SERVICES UNIT PHONE: (919) 250-4128 FAX: (919) 250-4119	
UTILITY CONSTRUCTION PLANS ONLY	

UTILITY CONSTRUCTION

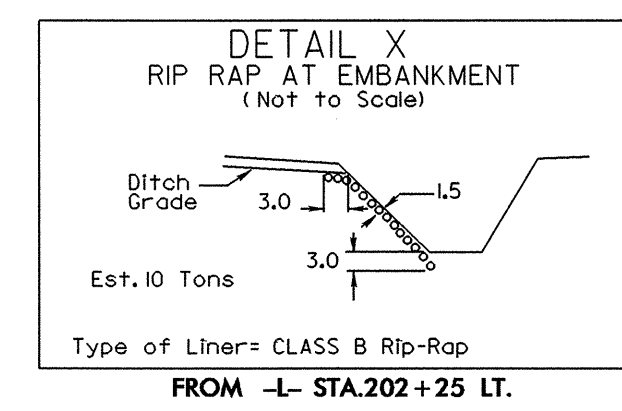
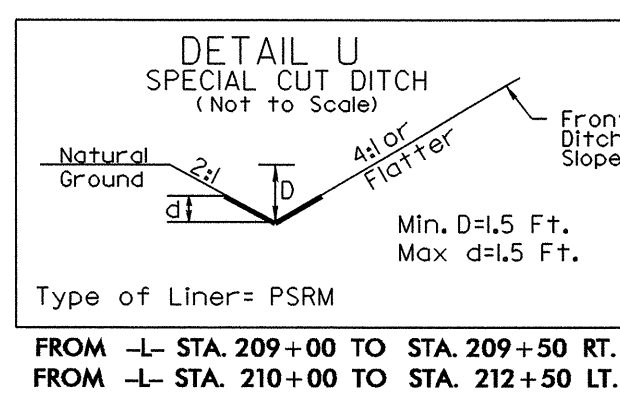
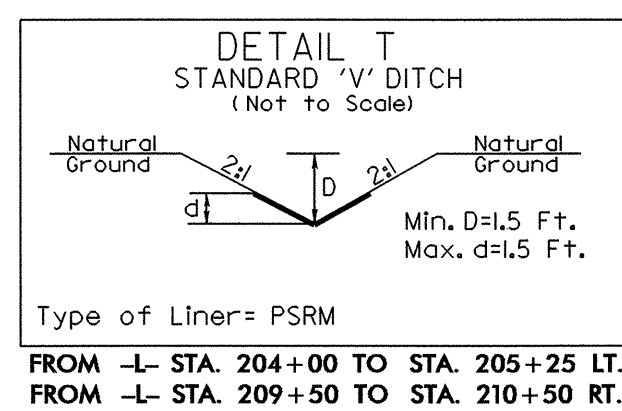
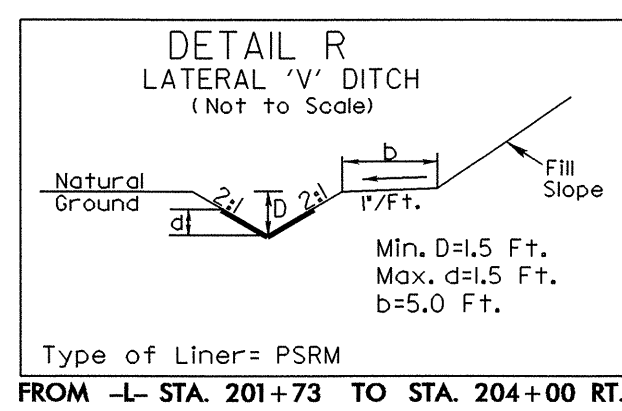
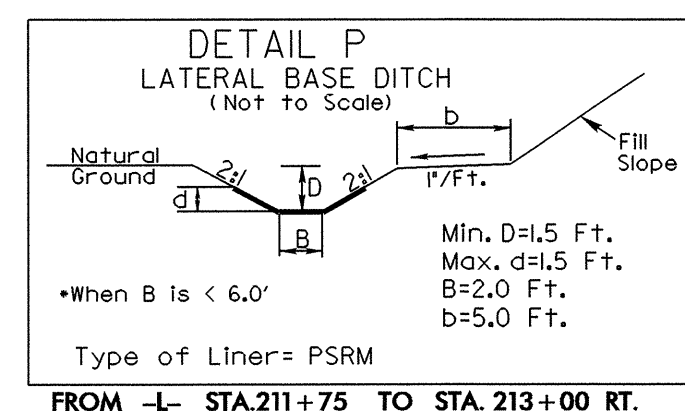
-L-

PI Sta 218+00.64
 $\Delta = 14' 12" 37.6" (RT)$
 $D = 0' 16" 01.6"$
 $L = 5,320.01'$
 $T = 2,673.73'$
 $R = 21,450.00'$



MATCHLINE -L- STA. 202 + 25 SEE SHEET UC-8

MATCHLINE -L- STA. 215 + 00 SEE SHEET UC-10



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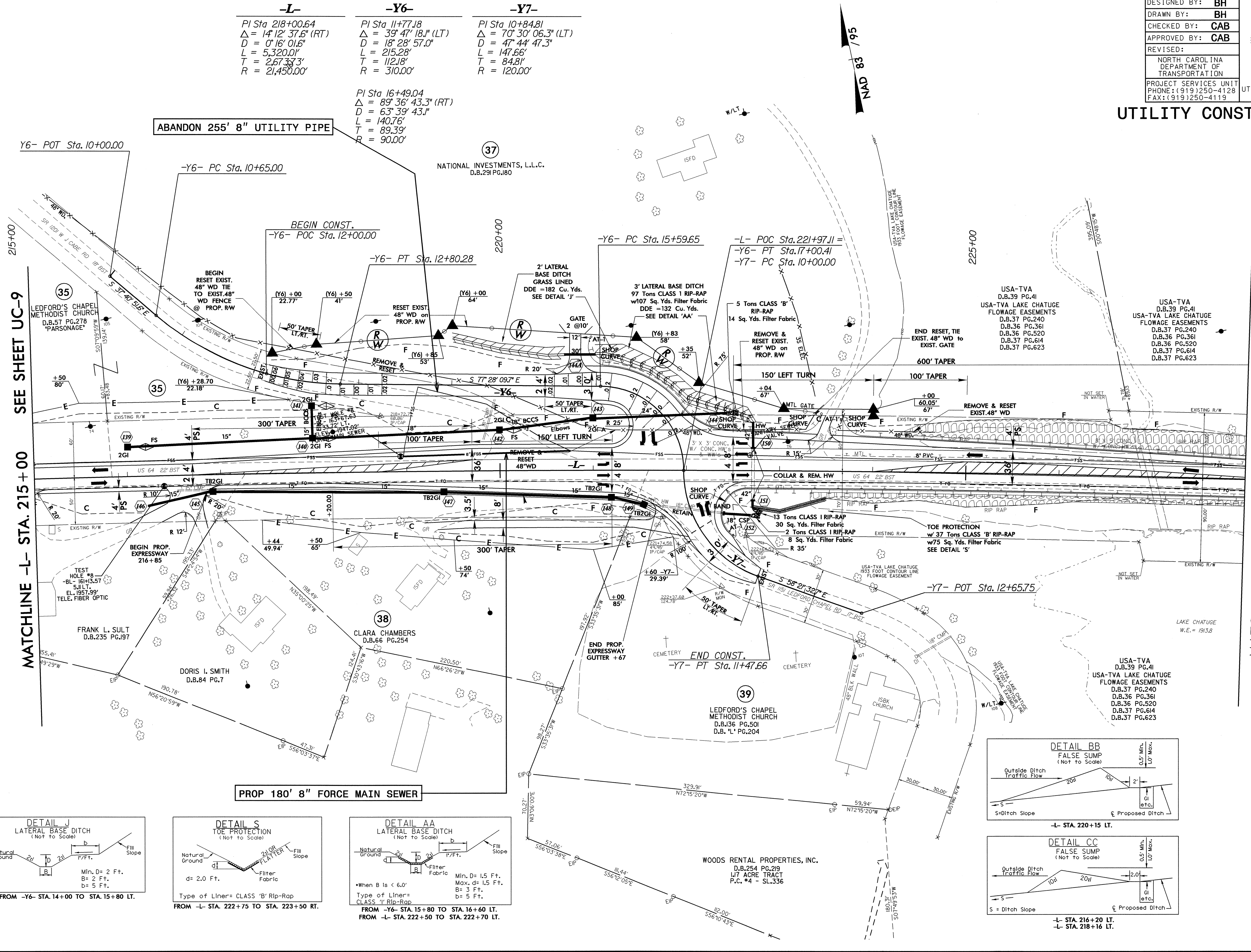
5/14/99

PROJECT REFERENCE NO.	SHEET NO.
A-0011BB	UC-10
DESIGNED BY: BH	
DRAWN BY: BH	
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

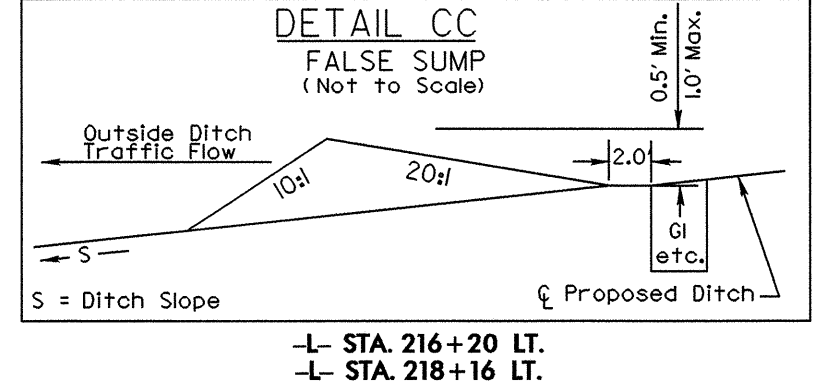
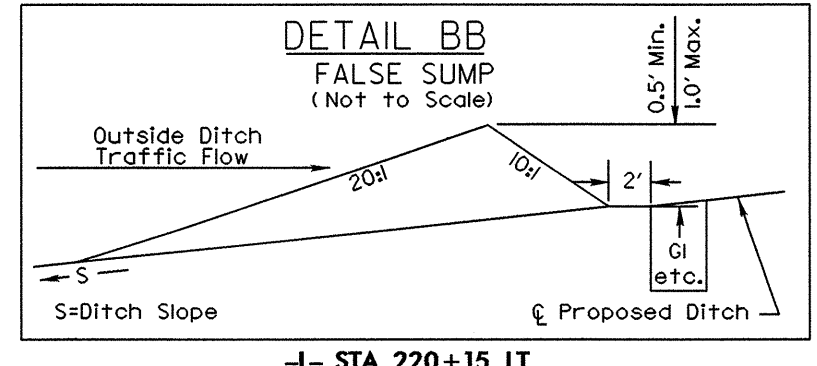
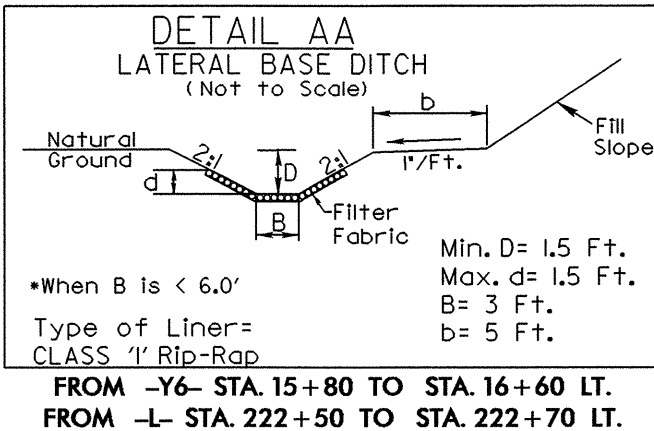
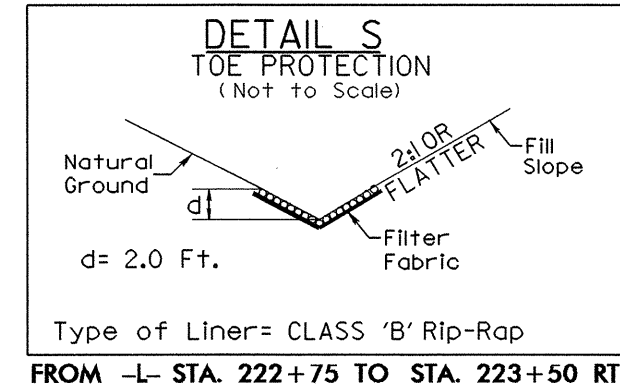
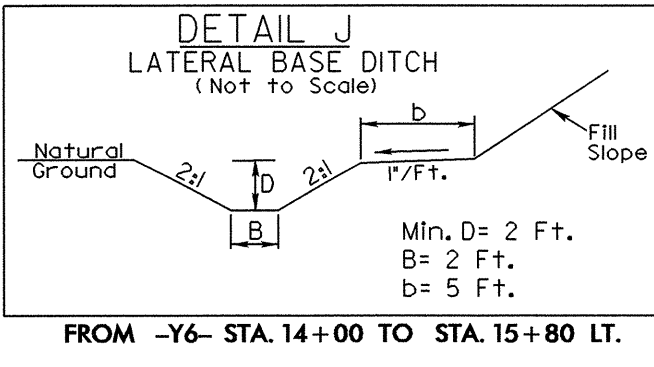
-L-	-Y6-	-Y7-
PI Sta 218+00.64 Δ = 14' 12" 37.6" (RT) D = 0' 16" 01.6" L = 5,320.0' T = 2,673.3' R = 21,450.0'	PI Sta 11+77.18 Δ = 39' 47" 18.1" (LT) D = 18' 28" 57.0" L = 215.28' T = 112.18' R = 310.00'	PI Sta 10+84.81 Δ = 70' 30" 06.3" (LT) D = 47' 44" 47.3" L = 147.66' T = 84.8' R = 120.00'

PI Sta 16+49.04 Δ = 89' 36" 43.3" (RT) D = 63' 39" 43.1" L = 140.76' T = 89.39' R = 90.00'



MATCHLINE -L- STA. 215 + 00 SEE SHEET UC-9

MATCHLINE -L- STA. 228 + 00 SEE SHEET 16

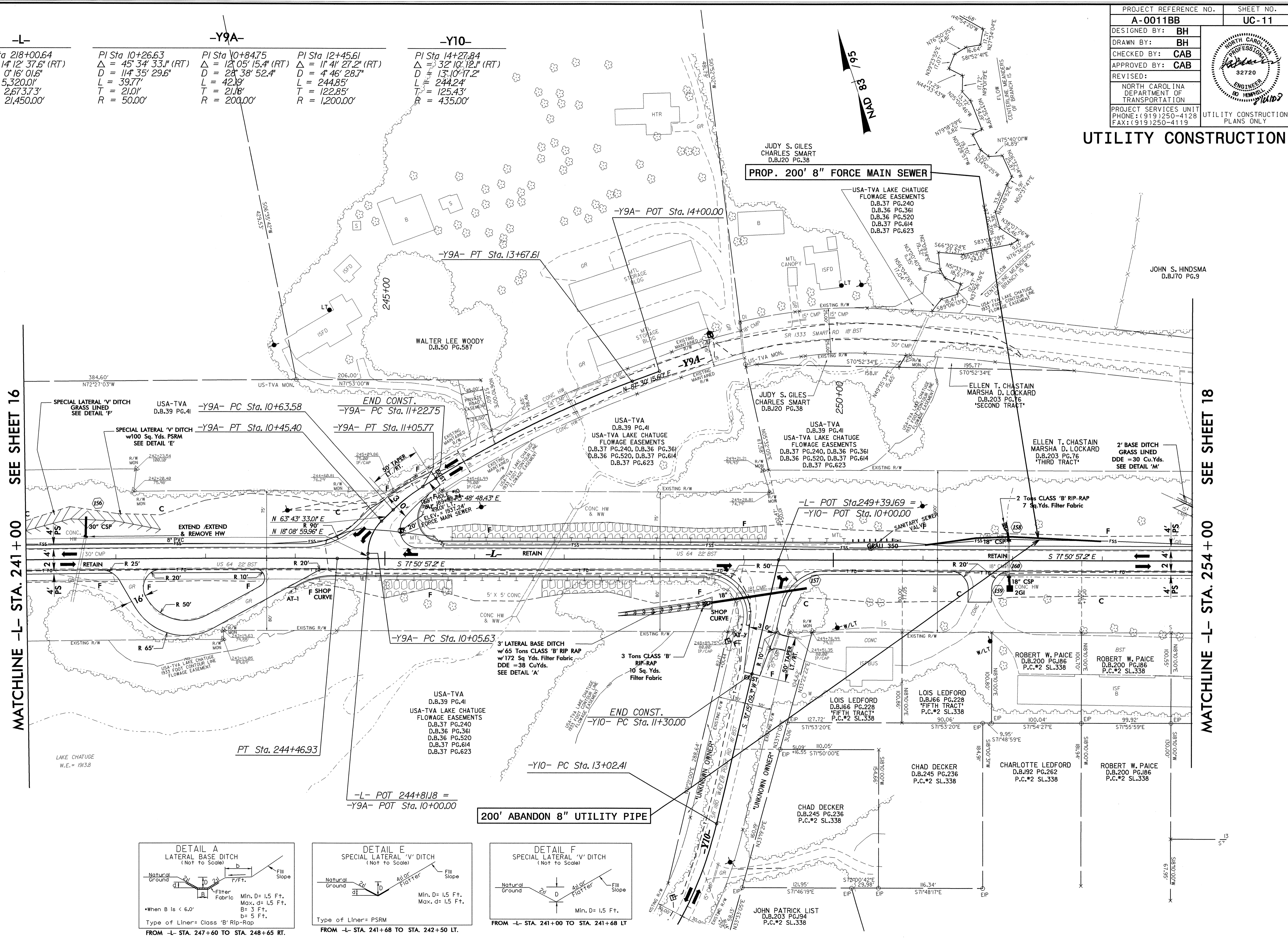


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PROJECT REFERENCE NO.	SHEET NO.
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DESIGNED BY: BH	
DRAWN BY: BH	
CHECKED BY: CAB	
APPROVED BY: CAB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
PROJECT SERVICES UNIT PHONE: (919) 250-4128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

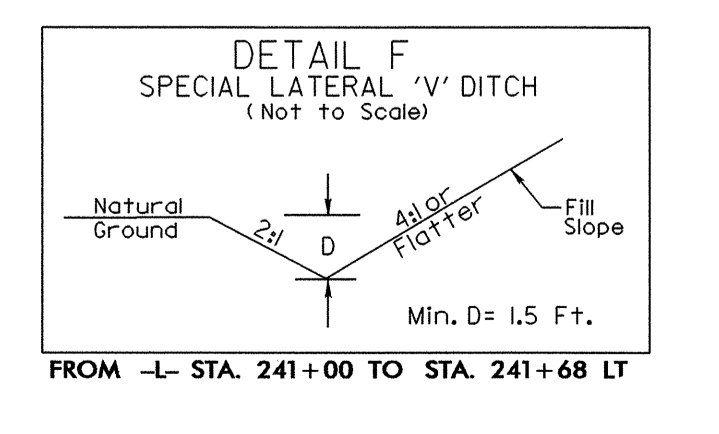
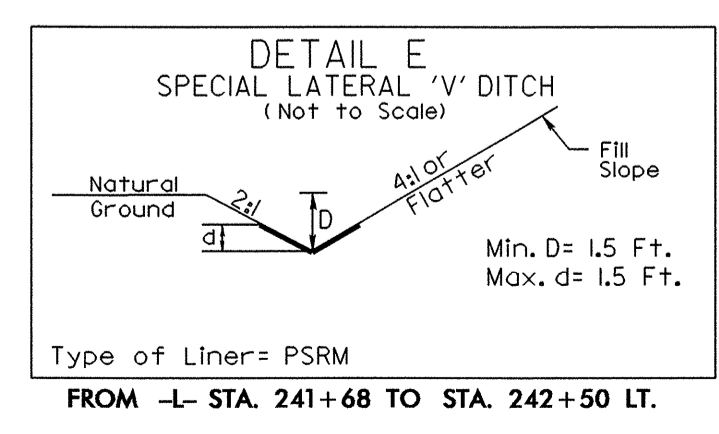
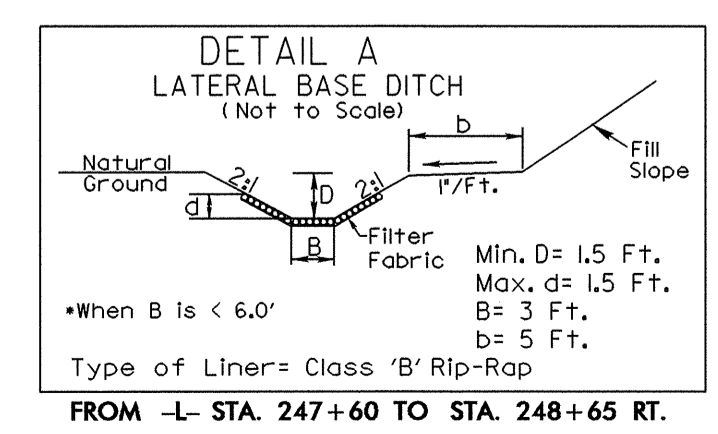
UTILITY CONSTRUCTION

-L-	-Y9A-	-Y10-
PI Sta 218+00.64 Δ = 14' 12" 37.6" (RT) D = 0' 16" 01.6" L = 5,320.01' T = 2,673.73' R = 21,450.00'	PI Sta 10+26.63 Δ = 45' 34" 33.1" (RT) D = 114' 35" 29.6" L = 39.77' T = 21.01' R = 50.00'	PI Sta 10+84.75 Δ = 12' 05" 15.4" (RT) D = 28' 38" 52.4" L = 42.19' T = 21.18' R = 200.00'
PI Sta 12+45.61 Δ = 11' 41" 27.2" (RT) D = 4' 46" 28.7" L = 244.85' T = 122.85' R = 1,200.00'	PI Sta 14+27.84 Δ = 32' 10" 12.1" (RT) D = 13' 10" 17.2" L = 244.24' T = 125.43' R = 435.00'	



MATCHLINE -L- STA. 241 + 00 SEE SHEET 16

MATCHLINE -L- STA. 254 + 00 SEE SHEET 18

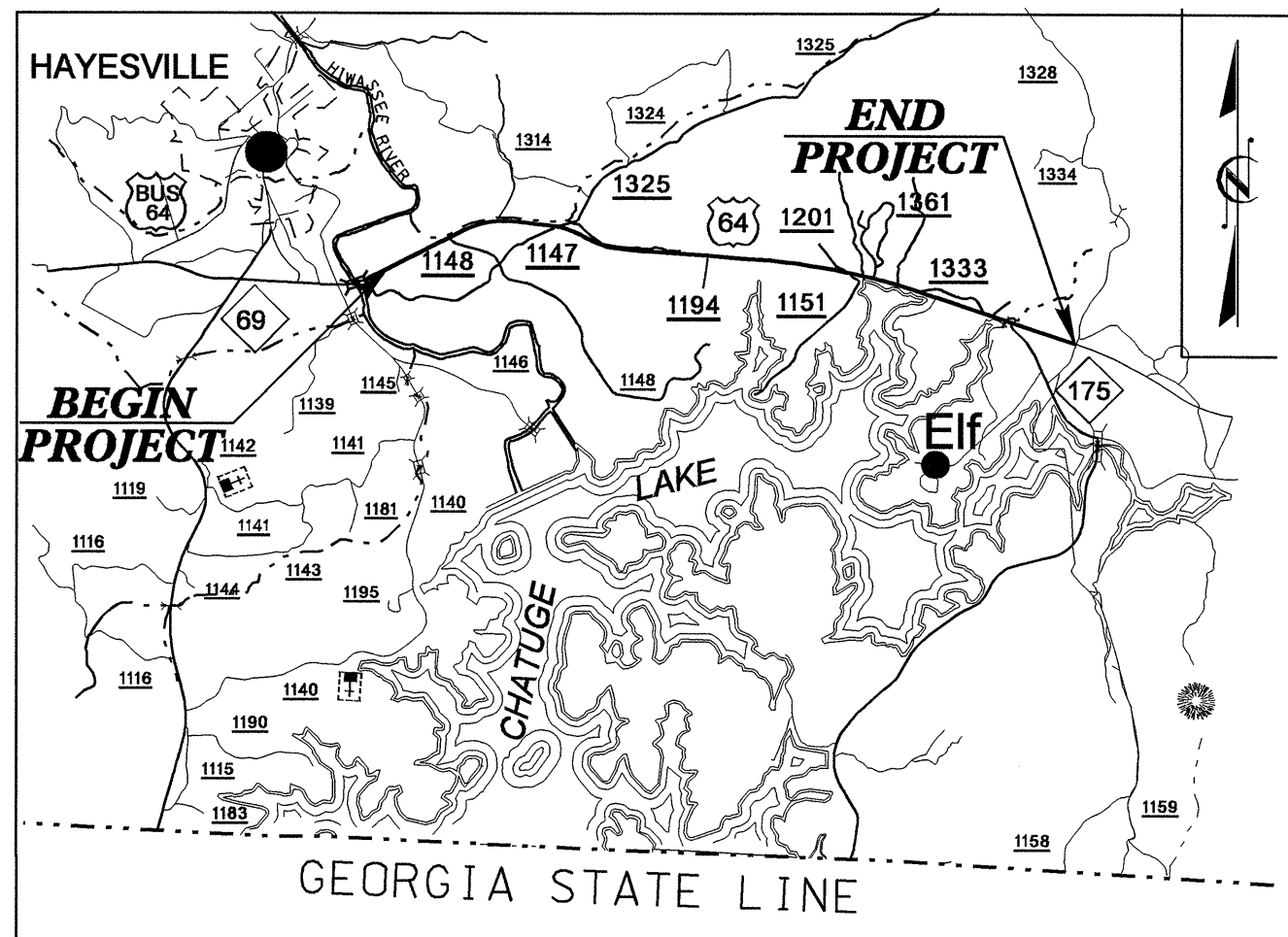


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09/08/99

TIP PROJECT: A-0011BB

T.I.P. NO.	SHEET NO.
A-0011BB	UO-1



VICINITY MAP

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

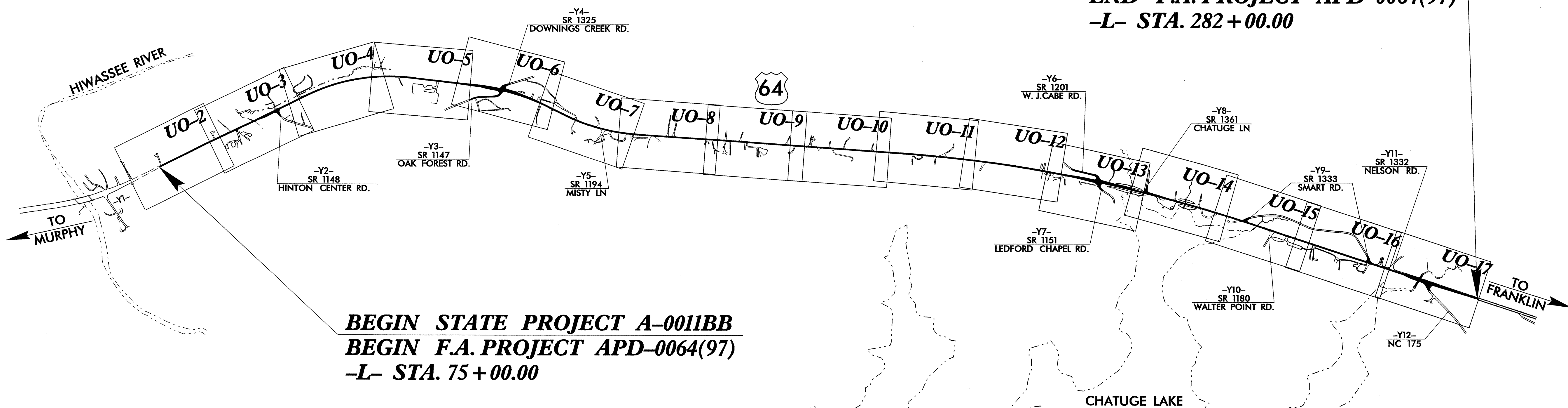
**UTILITIES BY OTHERS PLANS
CLAY COUNTY**

LOCATION: US 64 FROM EAST OF THE HIWASSEE RIVER TO EAST OF NC 175

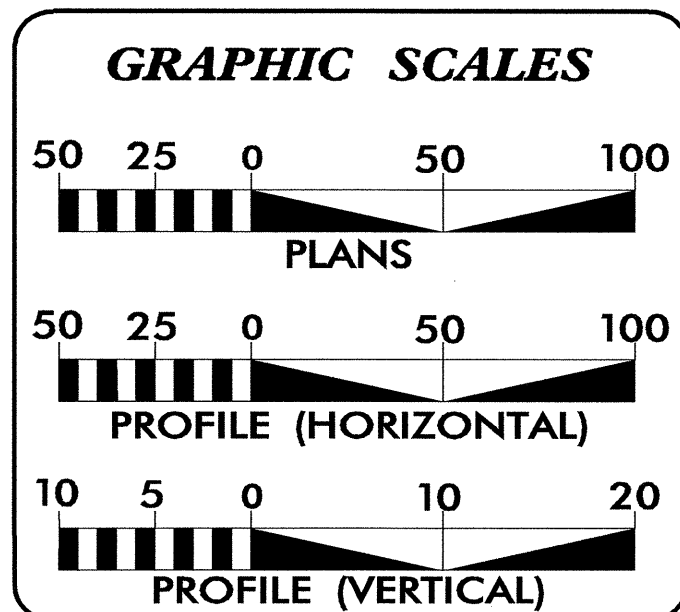
TYPE OF WORK: UTILITIES CONFLICTS



END STATE PROJECT A-0011BB
END F.A. PROJECT APD-0064(97)
-L- STA. 282 + 00.00



BEGIN STATE PROJECT A-0011BB
BEGIN F.A. PROJECT APD-0064(97)
-L- STA. 75 + 00.00



INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
UO-1	TITLE SHEET
UO-2 THRU UO-17	UTILITY BY OTHERS PLAN SHEETS

UTILITY OWNERS ON PROJECT
(1) VERIZON - TELEPHONE
(2) BLUE RIDGE MOUNTAIN EMC - POWER
(3) TELEVIEW - CATV

PREPARED IN THE OFFICE OF:
**DIVISION OF HIGHWAYS
DESIGN SERVICES
UTILITIES SECTION**

1591 MAIL SERVICES CENTER
RALEIGH NC 27699-1591
PHONE (919) 250-4128
FAX (919) 250-4119

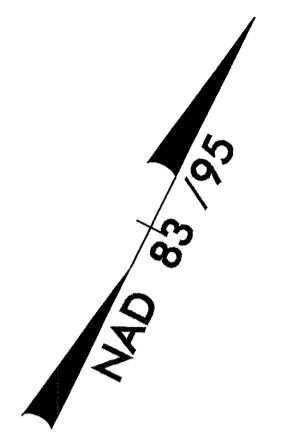
Roger Worthington, P.E.	UTILITIES SECTION ENGINEER
Carl Barclay, P.E.	UTILITIES SQUAD LEADER PROJECT ENGINEER
Bo Hemphill, P.E.	UTILITIES PROJECT DESIGNER

26-AUG-2008 11:07
 R:\Utilities\Yrdy_Ut_Proj\A0011bb-ut-title.uol_psh.dgn
 \$\$\$USERNAME\$\$\$

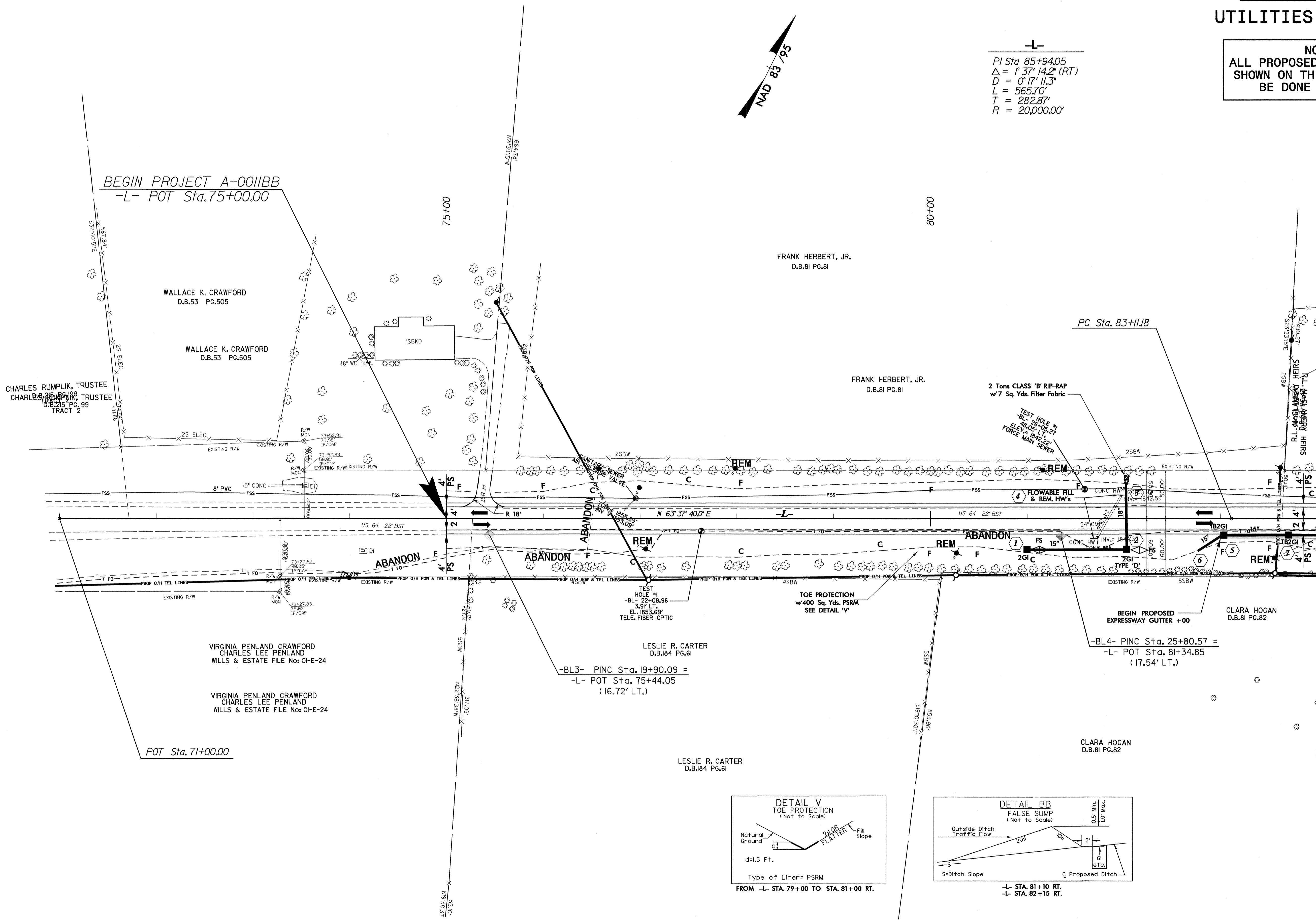
UTILITIES BY OTHERS

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

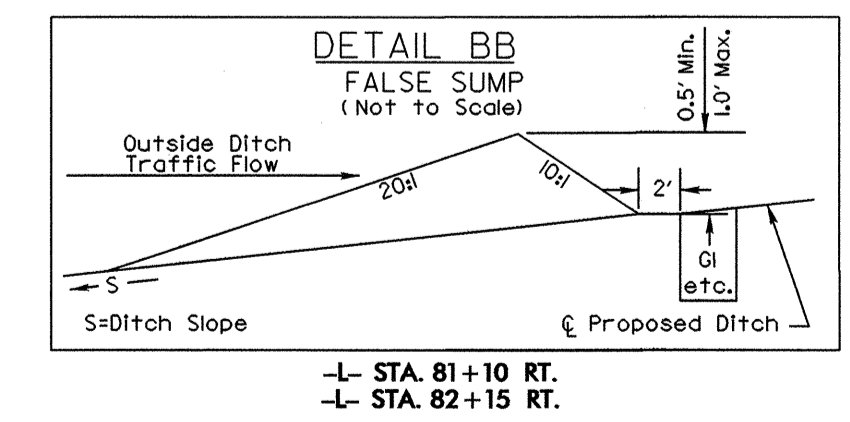
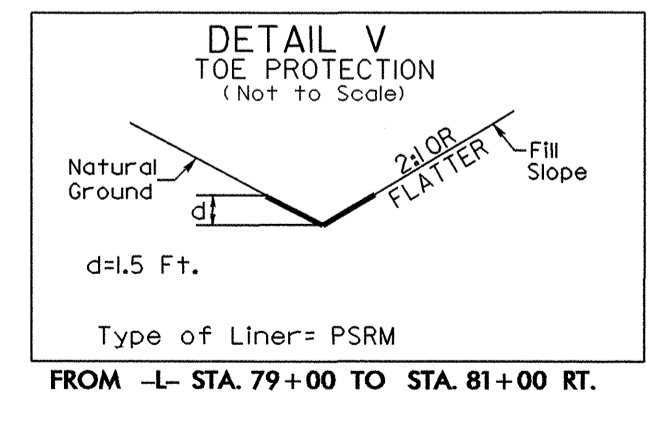
-L-
PI Sta 85+94.05
 $\Delta = 1^{\circ} 37' 14.2''$ (RT)
 $D = 0^{\circ} 17' 11.3''$
 $L = 565.70'$
 $T = 282.87'$
 $R = 20,000.00'$



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MATCHLINE -L- STA. 84 + 00 SEE UO-3



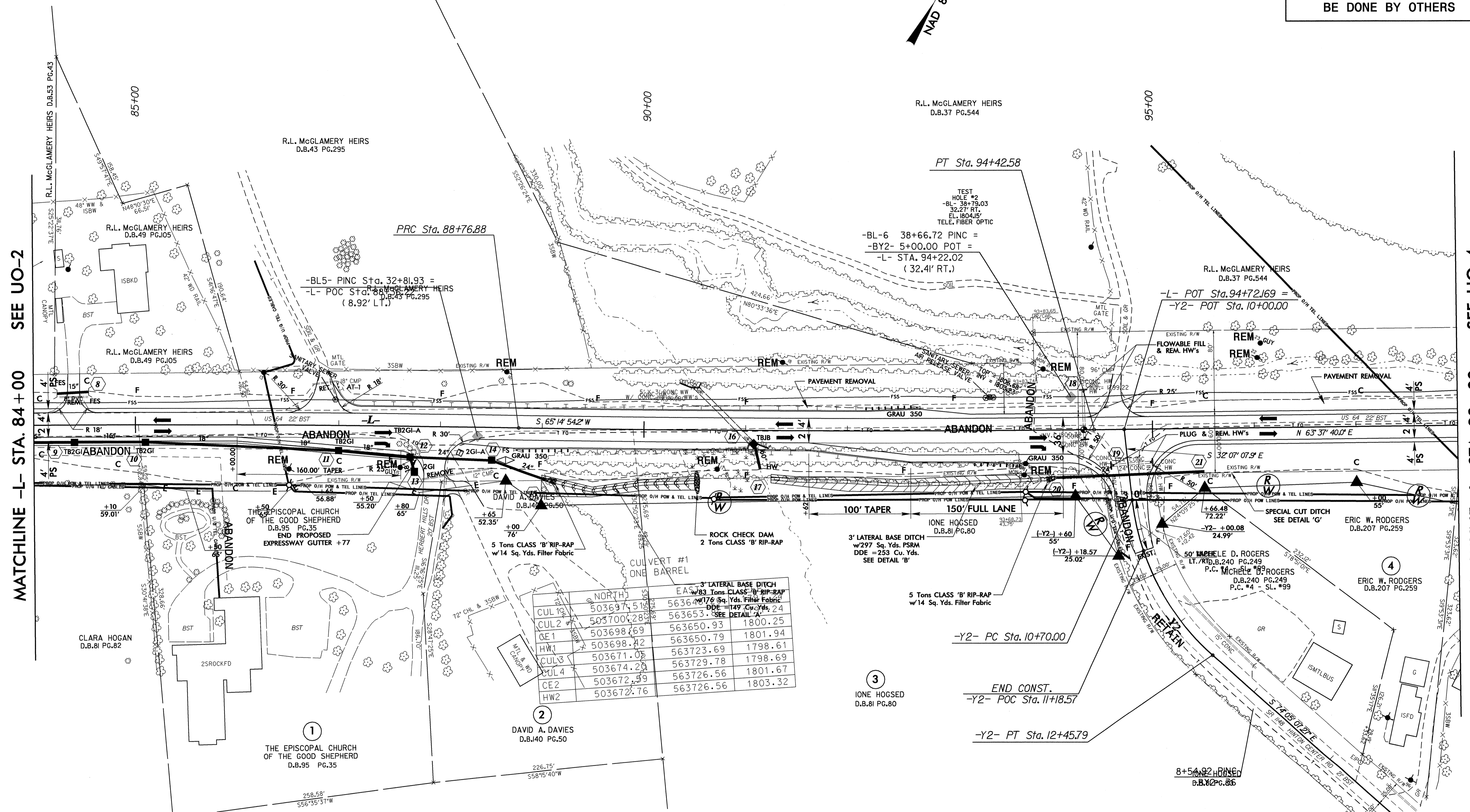
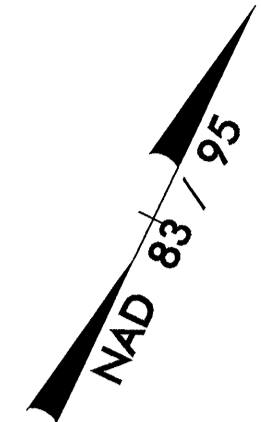
UTILITIES BY OTHERS

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

-L-
PI Sta 85+94.05
Δ = 1° 37' 14.2" (RT)
D = 0' 17' 11.3"
L = 565.70'
T = 282.87'
R = 20,000.00'

-Y2-
PI Sta 91+59.75
Δ = 1° 37' 14.2" (LT)
D = 0' 17' 11.3"
L = 565.70'
T = 282.87'
R = 20,000.00'

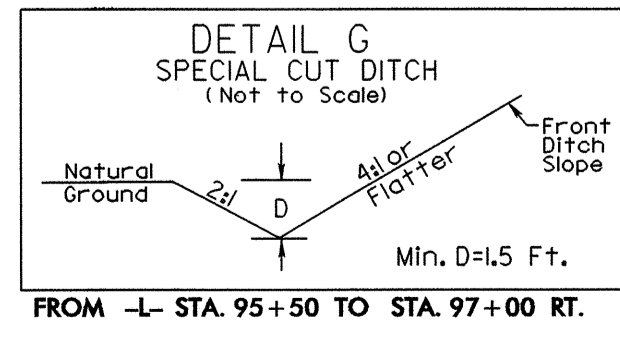
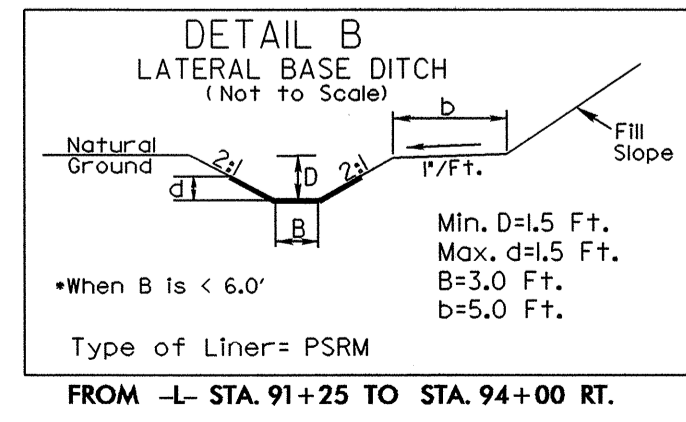
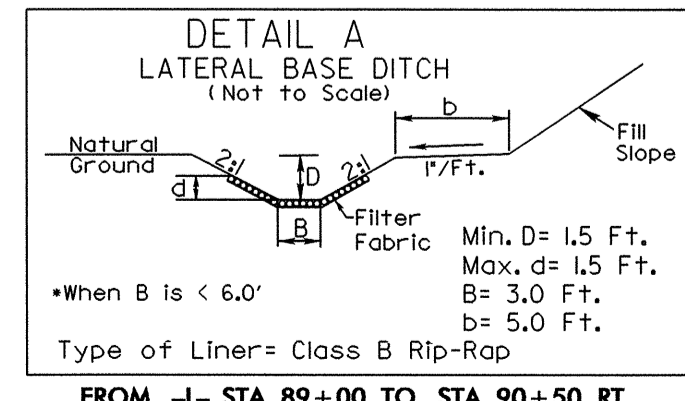
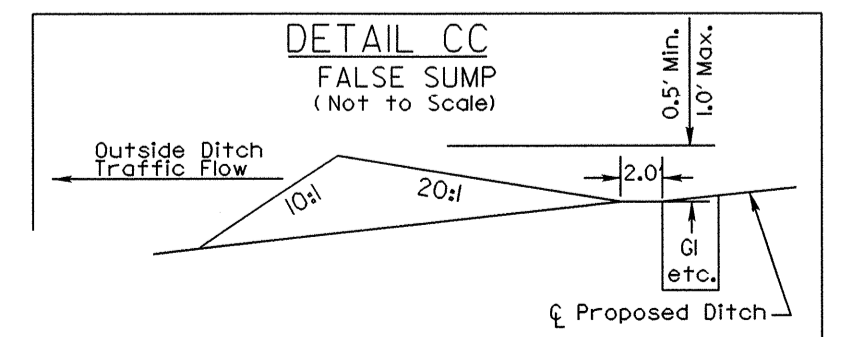
PI Sta 11+62.05
Δ = 41° 57' 59.3" (LT)
D = 23° 52' 23.7"
L = 175.79'
T = 92.05'
R = 240.00'



	NORTH	EAST
CUL 1	503697.51	56364.17
CUL 2	503700.28	56365.3
OE 1	503698.69	56365.93
HW 1	503698.42	56365.79
CUL 3	503671.05	563723.69
CUL 4	503674.29	563729.78
CE 2	503672.99	563726.56
HW 2	503672.76	563726.56

MATCHLINE -L- STA. 84+00 SEE UO-2

MATCHLINE -L- STA. 98+00 SEE UO-4



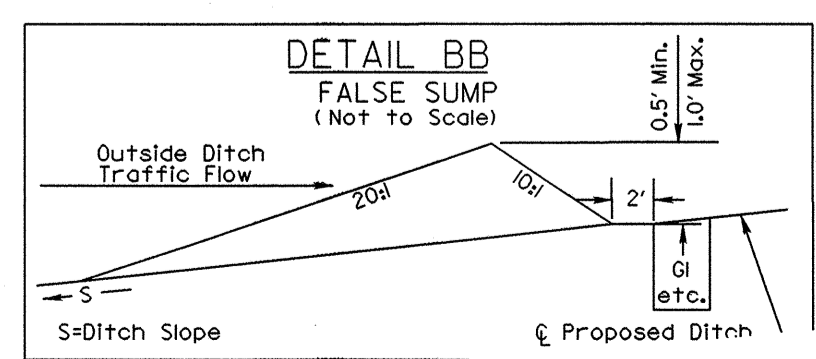
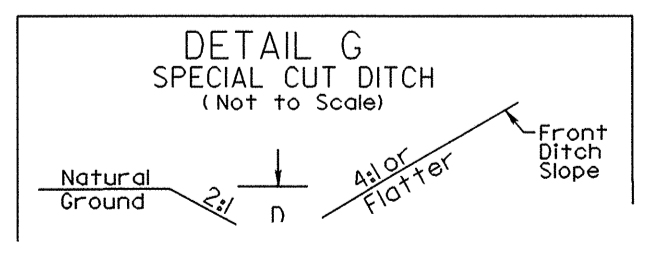
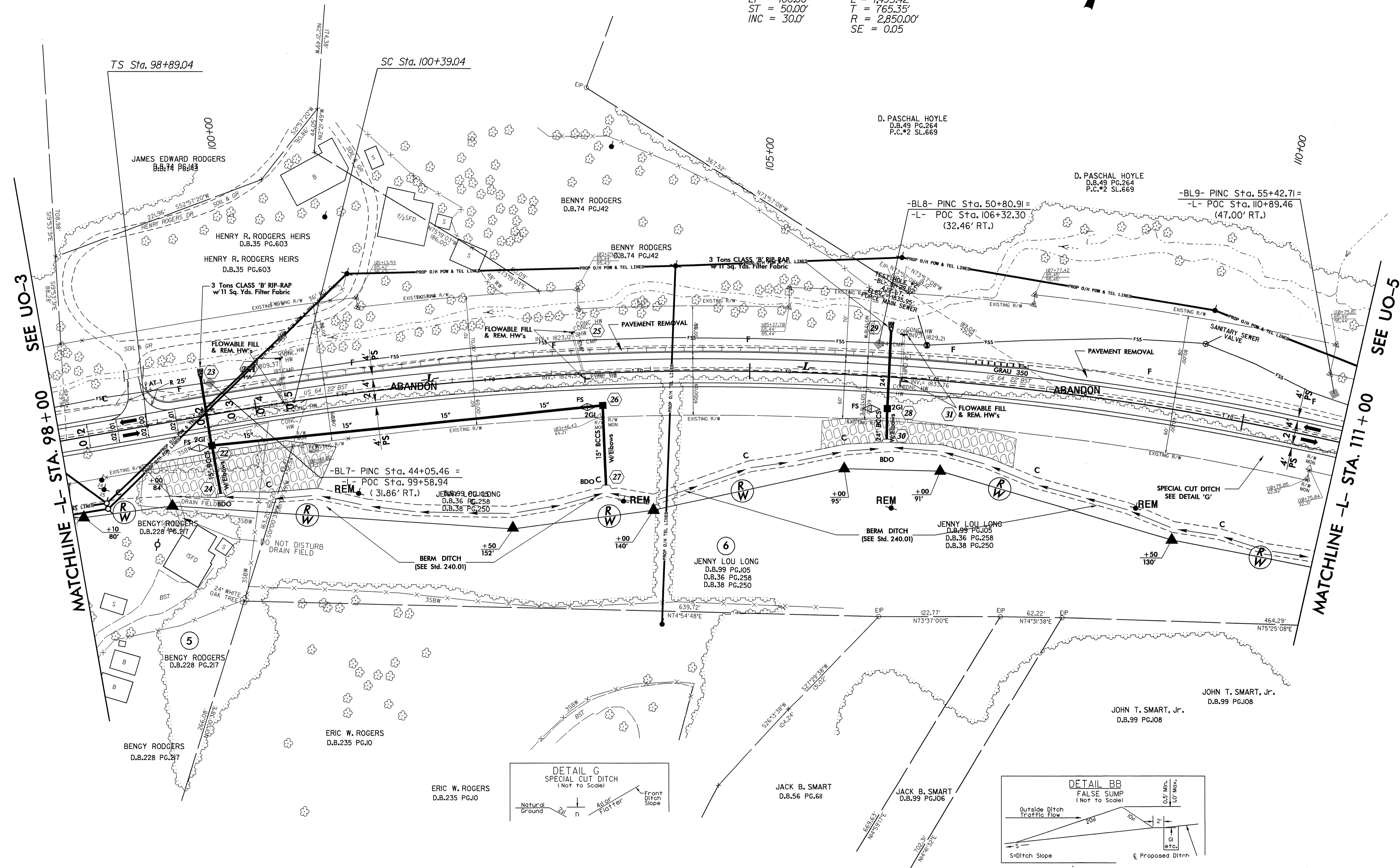
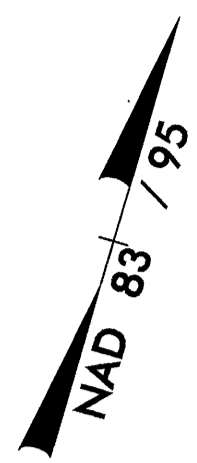
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25-AUG-2008 14:47
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UTILITIES BY OTHERS

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

P Sta 99+89.04
 $\Theta_s = 1^\circ 30' 28.0''$
 $L_s = 150.00'$
 $LT = 100.00'$
 $ST = 50.00'$
 $INC = 30.0'$

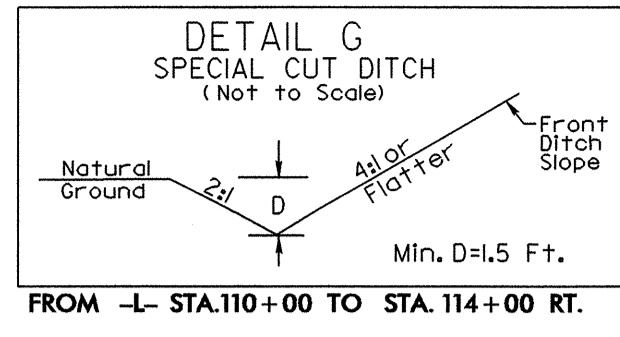
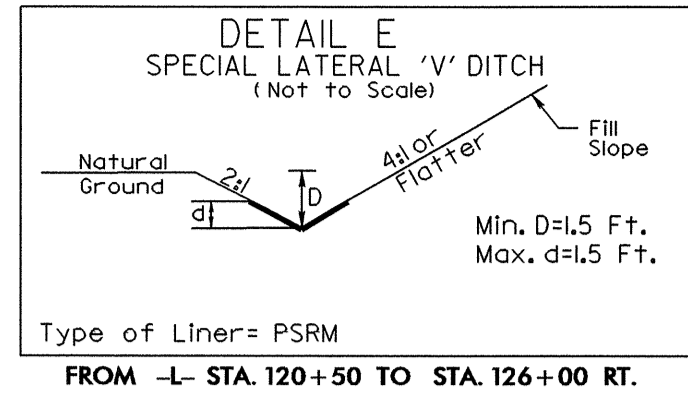
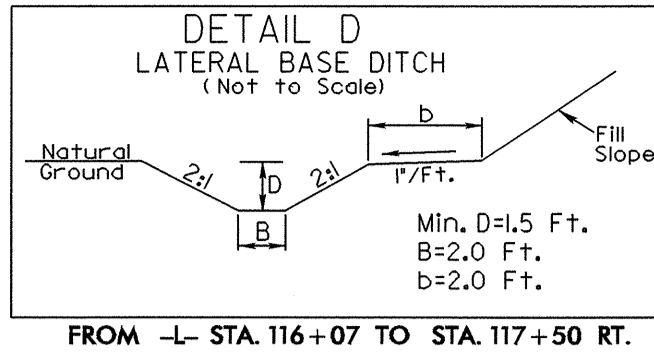
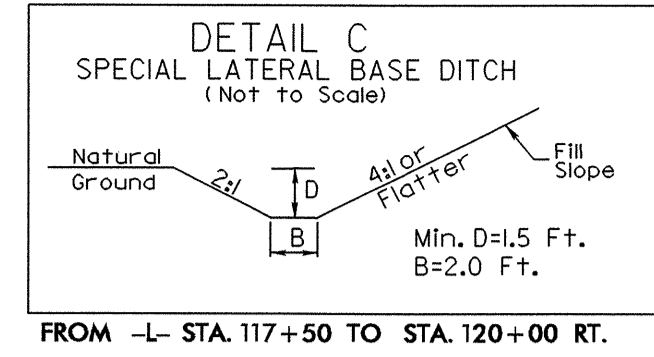
P Sta 108+04.39
 $\Delta = 30^\circ 03' 48.8''$ (RT)
 $D = 2^\circ 00' 37.4''$
 $L = 1,495.42'$
 $T = 765.35'$
 $R = 2,850.00'$
 $SE = 0.05$



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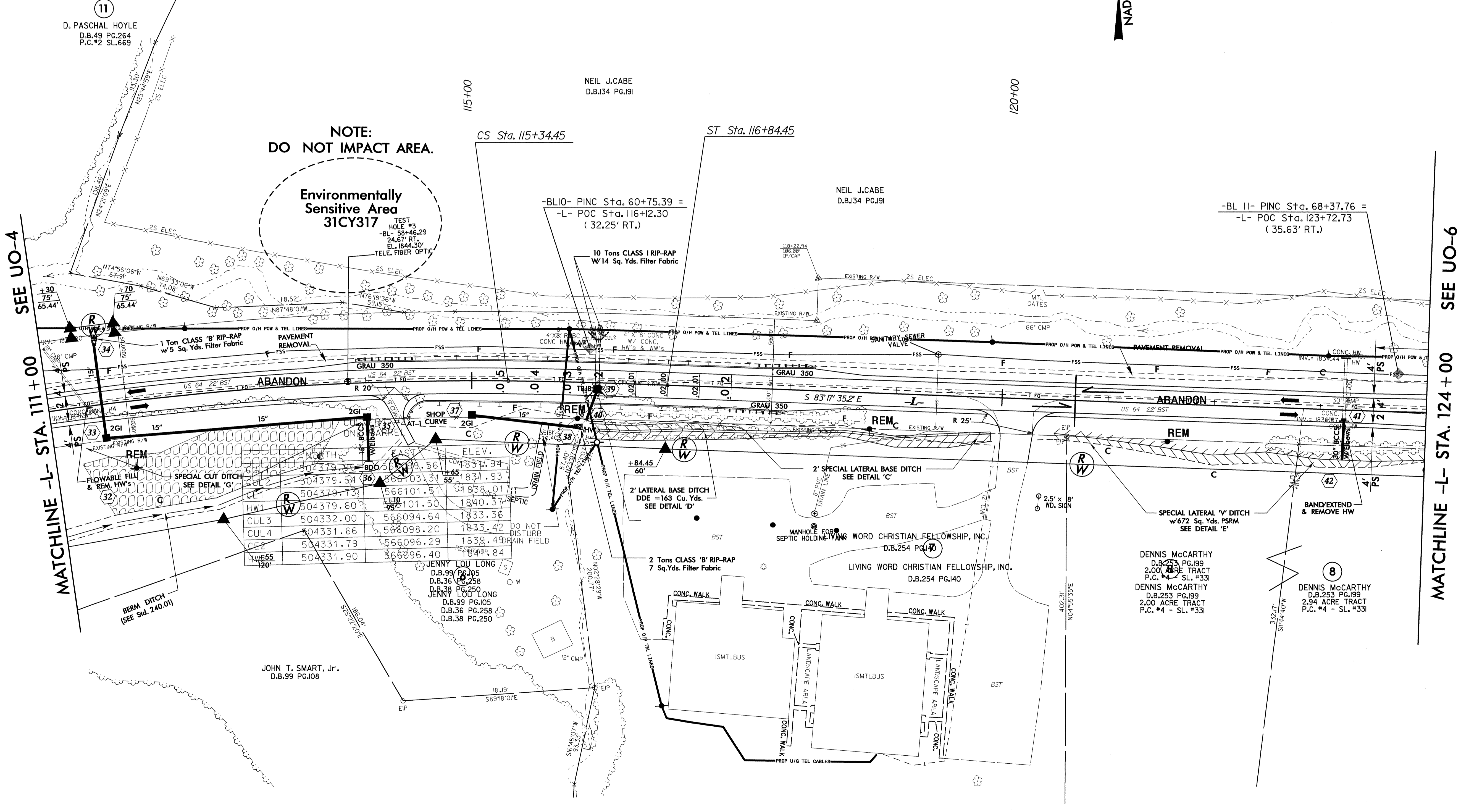
UTILITIES BY OTHERS

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



-L-		-Y3-	
PI Sta 108+04.39	PIs Sta 115+84.46	PI Sta 14+47.17	
$\Delta = 30' 03" 48.8" (RT)$	$\Delta s = 1' 30" 28.0"$	$\Delta = 19' 23" 01.3" (LT)$	
$D = 2' 00" 37.4"$	$Ls = 150.00'$	$D = 18' 11" 20.9"$	
$L = 1,495.42'$	$LT = 100.00'$	$L = 106.57'$	
$T = 765.35'$	$ST = 50.00'$	$T = 53.80'$	
$R = 2,850.00'$	$INC = 30.0'$	$R = 315.00'$	
$SE = 0.05$			

NAD 83 / 95



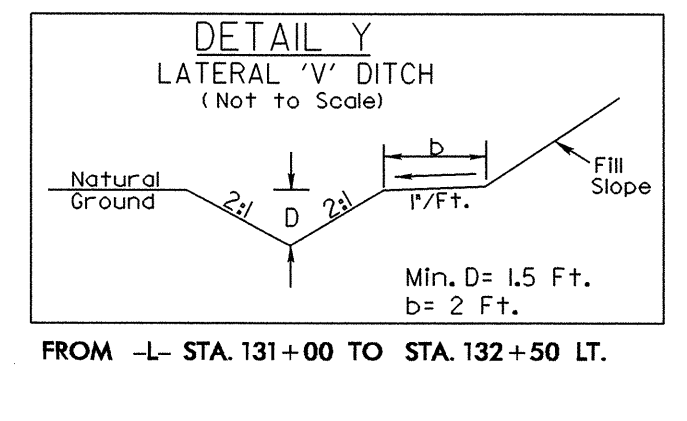
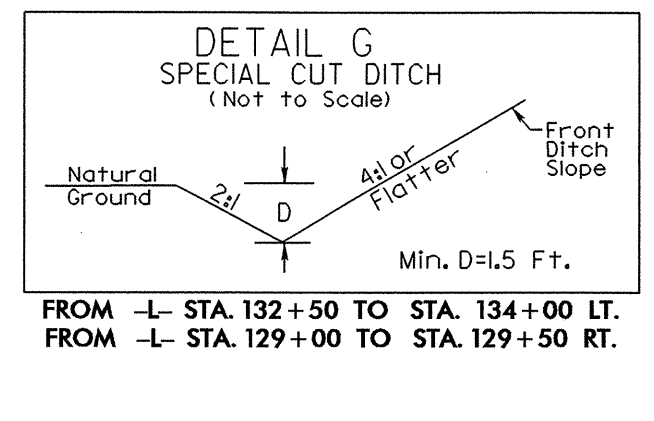
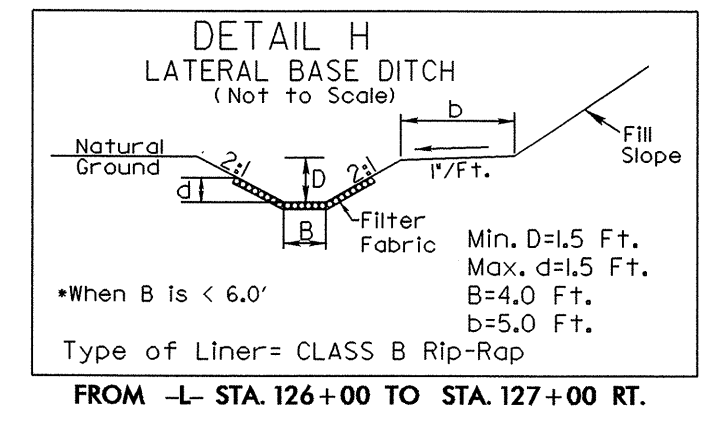
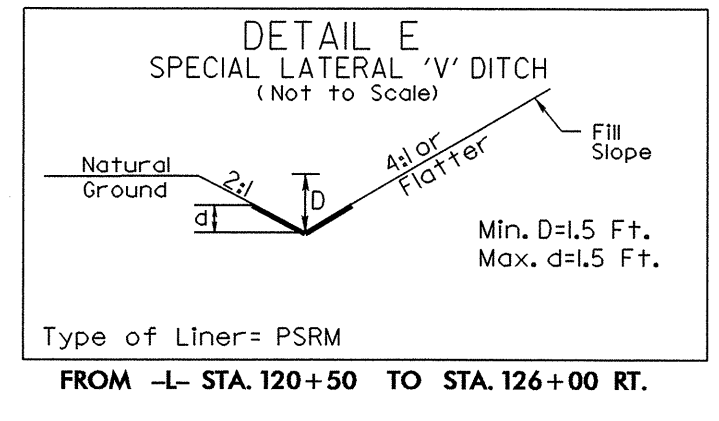
NOTE:
DO NOT IMPACT AREA.
Environmentally Sensitive Area
31CY317

	ELEV.		
CHL 2	504379.54	36	566103.31
CE1	504379.73		566101.51
HW1	504379.60		566101.50
CUL3	504332.00		566094.64
CUL4	504331.66		566098.20
CE2	504331.79		566096.29
HW5	504331.90		566096.40

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25-AUG-2008 11:46
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UTILITIES BY OTHERS

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



-L-

PIs Sta 126+98.35
Os = 1' 27" 52.6"
Ls = 150.00'
LT = 100.00'
ST = 50.00'
INC = 30.0'

PI Sta 131+86.03
Δ = 16' 58" 08.9" (RT)
D = 1' 57" 10.2"
L = 868.96
T = 437.68'
R = 2,934.00'
SE = 0.05

-Y3-

PIs Sta 136+67.31
Os = 1' 27" 52.6"
Ls = 150.00'
LT = 100.00'
ST = 50.00'
INC = 30.0'

PI Sta 140+99.53
Δ = 74' 07" 33.5" (RT)
D = 57' 17" 44.8"
L = 129.37'
T = 75.53'
R = 100.00'

-Y4-

PI Sta 144+47.17
Os = 19' 23" 01.3" (LT)
Ls = 150.00'
LT = 100.00'
ST = 50.00'
INC = 30.0'

PI Sta 17+56.67
Δ = 60' 33" 49.4" (LT)
D = 114' 35" 29.6"
L = 52.85'
T = 29.20'
R = 50.00'

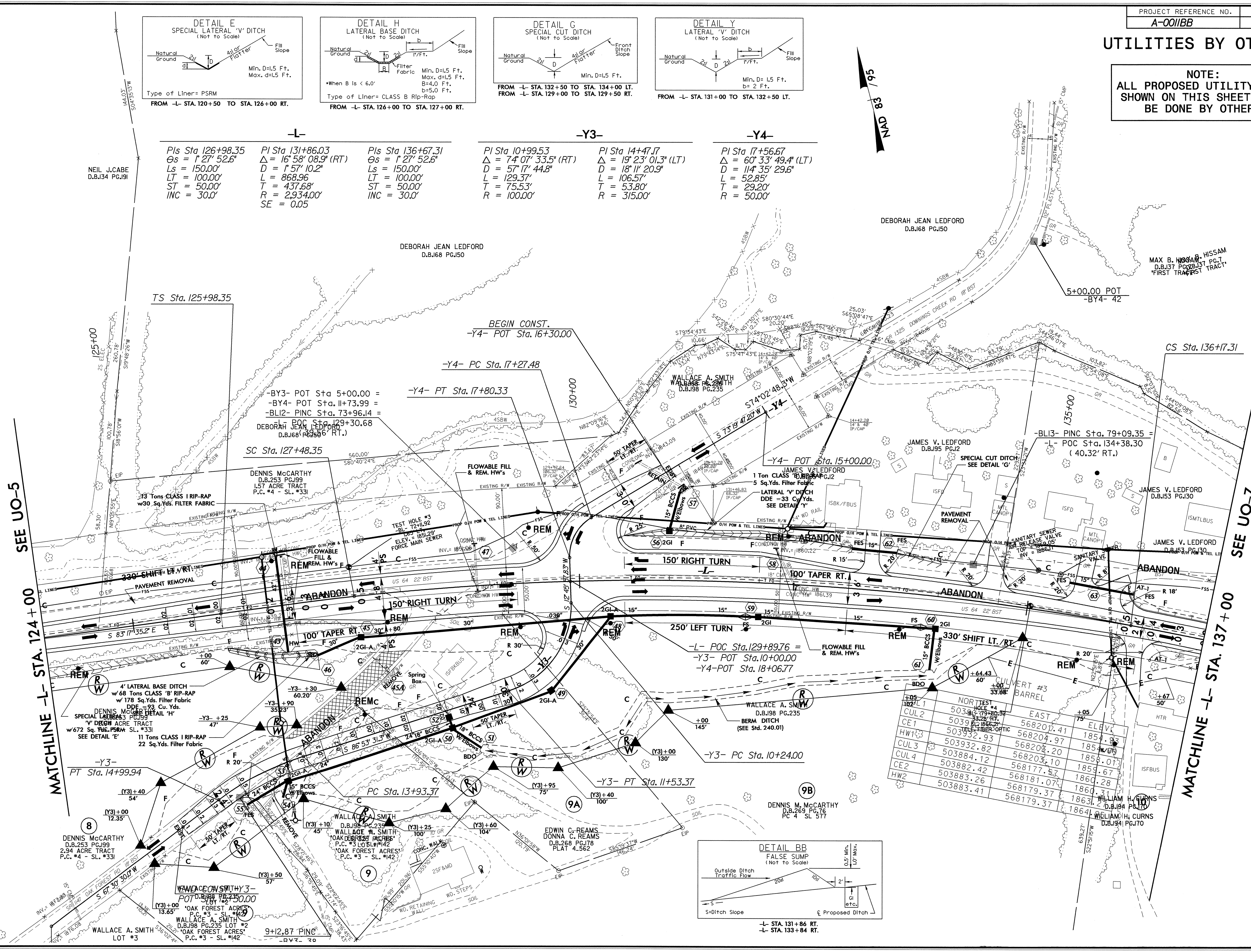
-Y4-

PI Sta 17+56.67
Δ = 60' 33" 49.4" (LT)
D = 114' 35" 29.6"
L = 52.85'
T = 29.20'
R = 50.00'

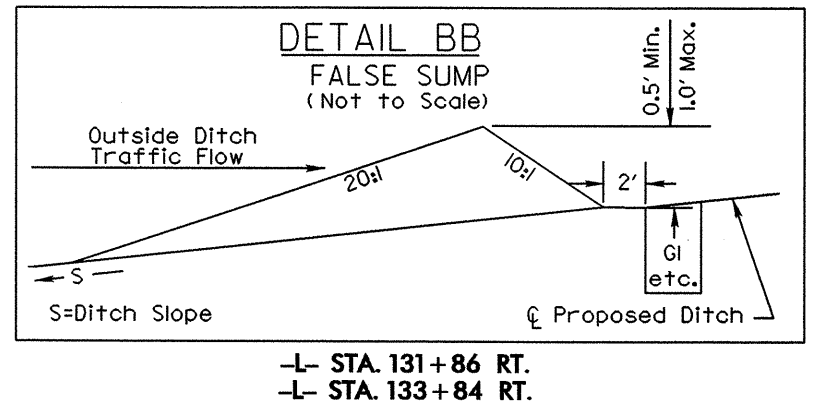
-Y4-

PI Sta 17+56.67
Δ = 60' 33" 49.4" (LT)
D = 114' 35" 29.6"
L = 52.85'
T = 29.20'
R = 50.00'

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LINE	NORTH	EAST	ELEV.
CUL 1	5039179.80	568201.41	1854.83
CE 1	5039179.80	568204.97	1854.83
HW1	503932.93	568204.97	1854.83
CUL 3	503932.82	568203.20	1854.07
CUL 4	503884.12	568203.10	1854.07
CE 2	503882.42	568177.57	1854.67
HW 2	503883.26	568181.07	1860.28
	503883.41	568179.37	1860.31
		1863.2	1864.1
		568179.37	1864.1

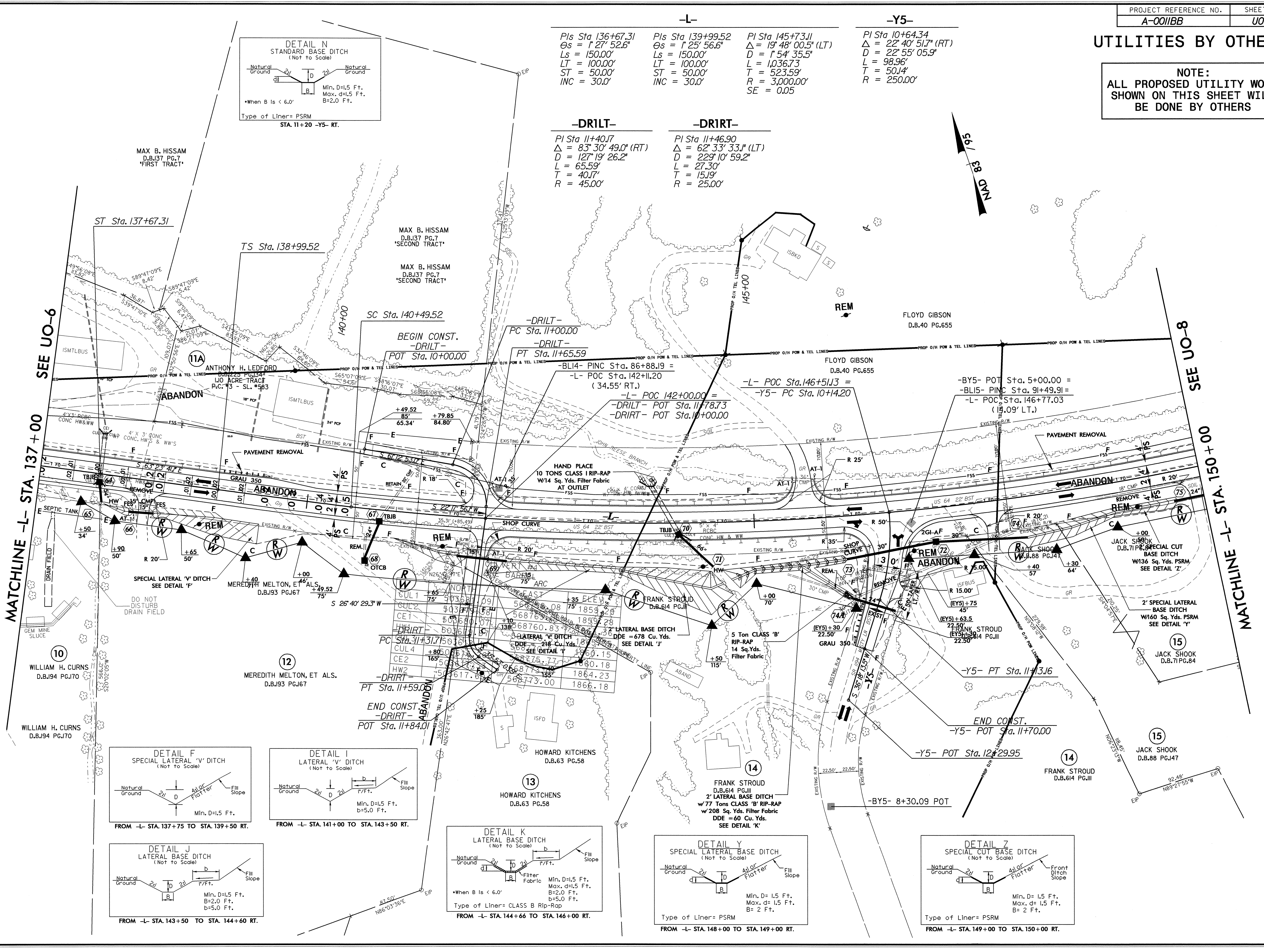
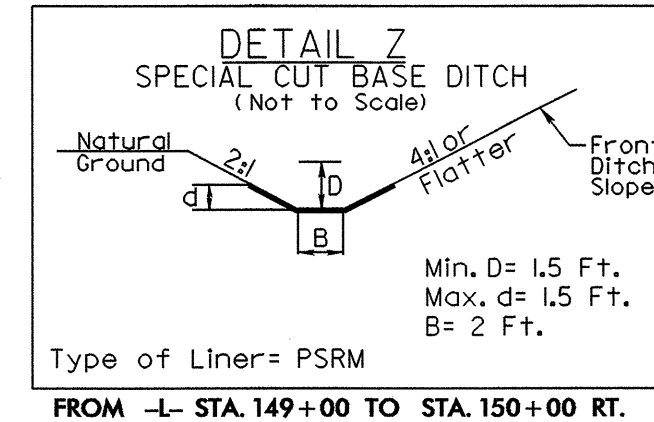
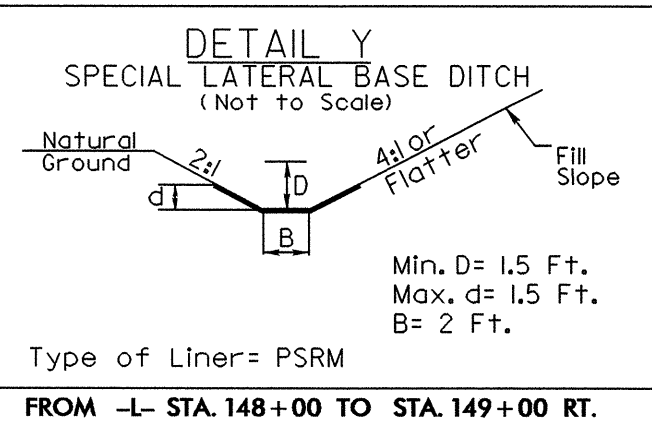
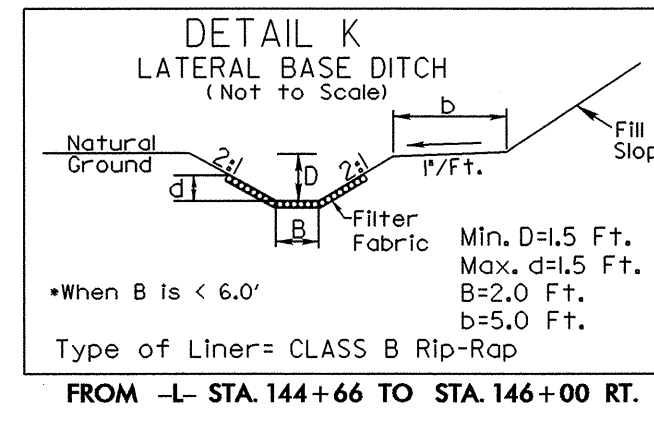
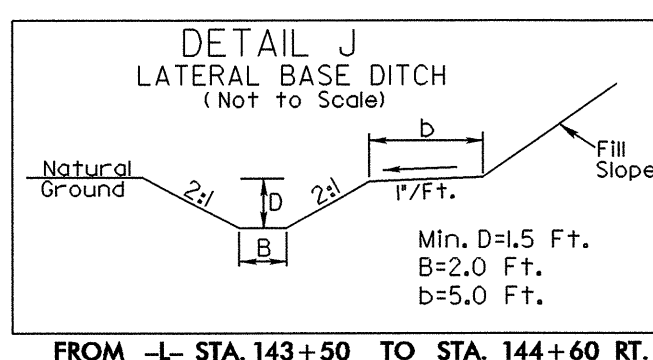
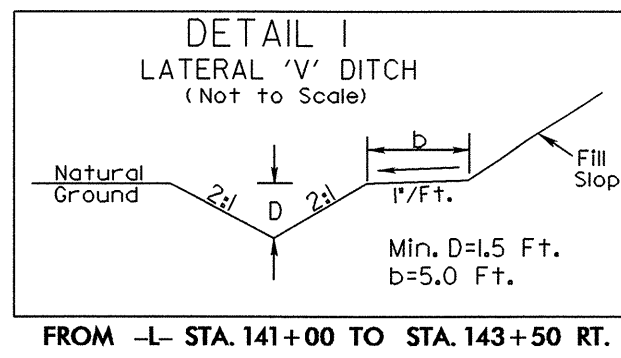
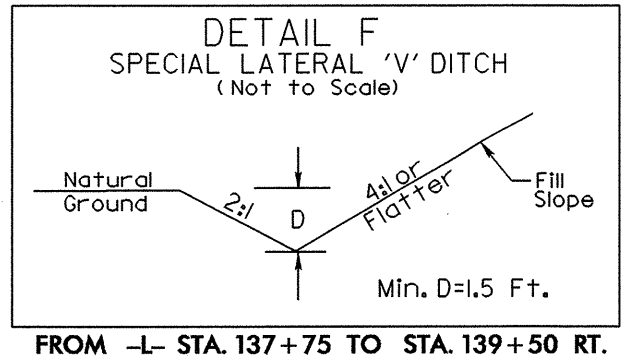
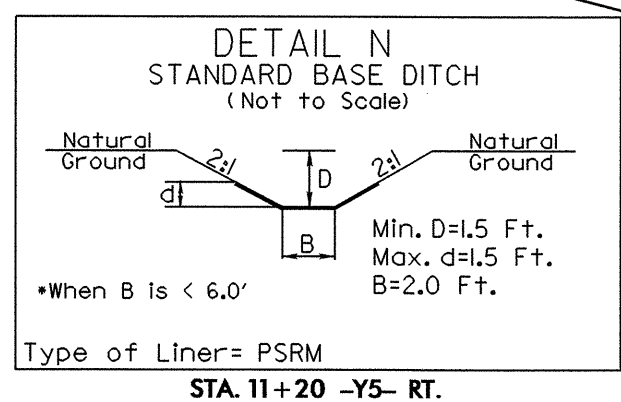


UTILITIES BY OTHERS

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

-L-	-L-	-Y5-
PI Sta 136+67.31 Δ = 1° 27' 52.6" Ls = 150.00' LT = 100.00' ST = 50.00' INC = 30.0'	PI Sta 139+99.52 Δ = 1° 25' 56.6" Ls = 150.00' LT = 100.00' ST = 50.00' INC = 30.0'	PI Sta 145+73.11 Δ = 1° 48' 00.5" (LT) D = 1° 54' 35.5" L = 1,036.73 T = 523.59' R = 3,000.00' SE = 0.05

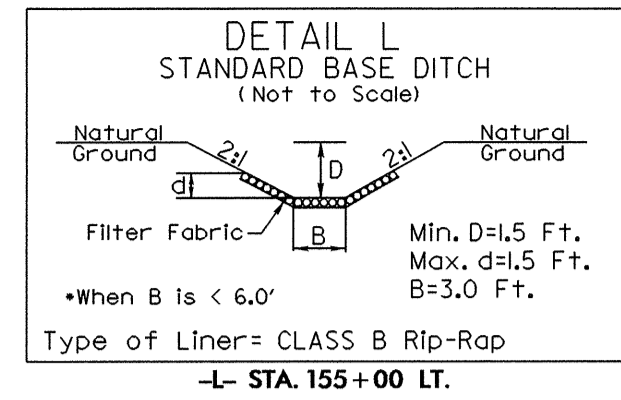
-DRILT-	-DRIRT-
PI Sta 11+40.17 Δ = 83° 30' 49.0" (RT) D = 127' 19" 26.2" L = 65.59' T = 40.17' R = 45.00'	PI Sta 11+46.90 Δ = 62° 33' 33.1" (LT) D = 229' 10" 59.2" L = 27.30' T = 15.19' R = 25.00'



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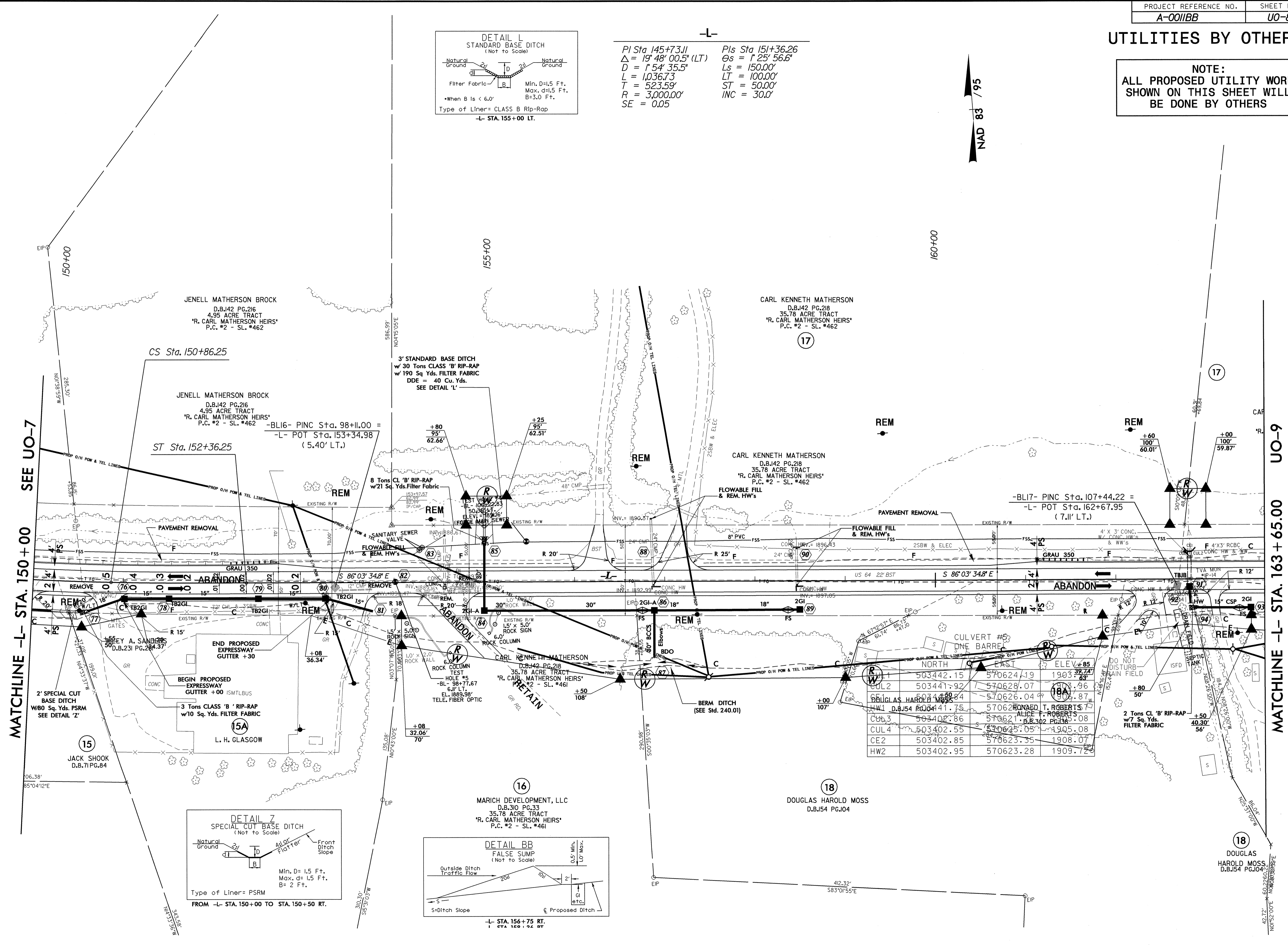
UTILITIES BY OTHERS

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



-L-
PI Sta 145+73.11
 $\Delta = 19^{\circ} 48' 00.5" (LT)$
 $D = 1^{\circ} 54' 35.5"$
 $L = 1,036.73$
 $T = 523.59$
 $R = 3,000.00'$
 $SE = 0.05$

PIs Sta 151+36.26
 $\Theta_s = 1^{\circ} 25' 56.6"$
 $L_s = 150.00'$
 $LT = 100.00'$
 $ST = 50.00'$
 $INC = 30.0'$

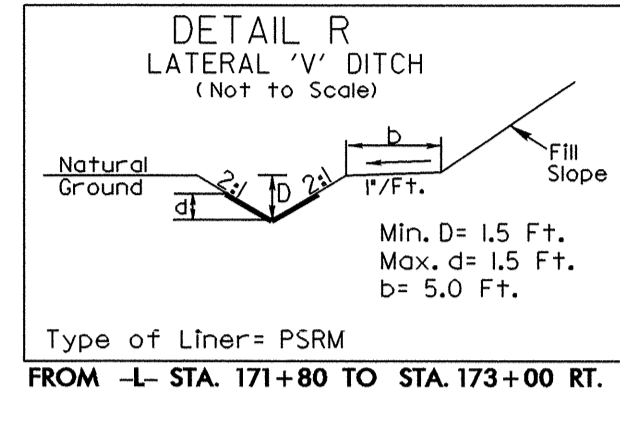
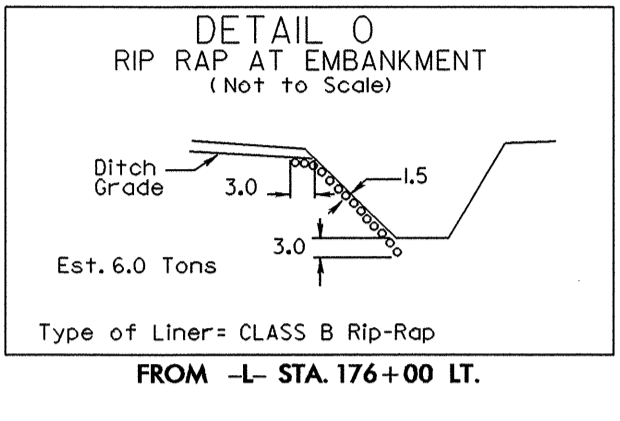
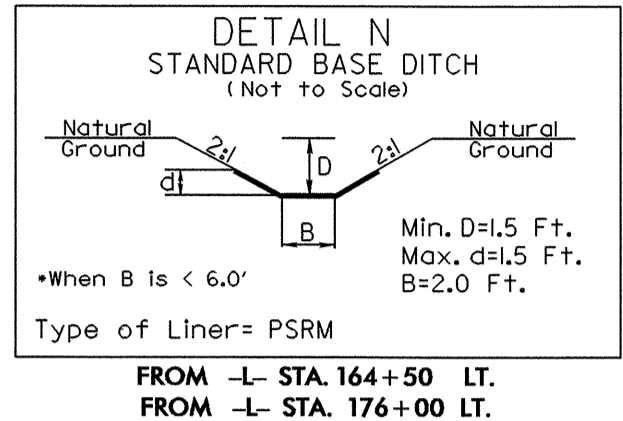
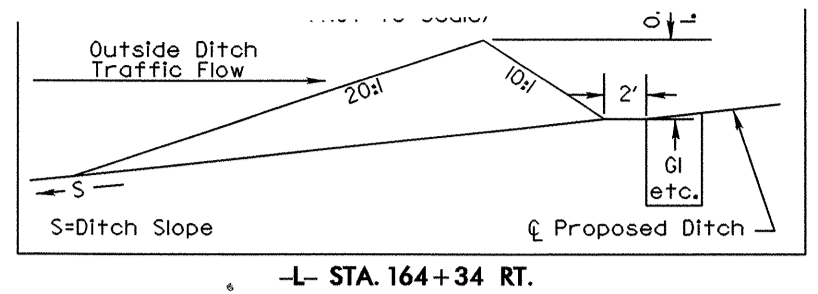


	NORTH	EAST	ELEV. ± 85'
CULV. 1	503442.15	570624.49	1903.32
CULV. 2	503441.92	570628.07	1903.96
DOUGLAS HAROLD MOSS CULV. 3	503441.84	570626.04	1902.87
CULV. 4	503402.86	570621.05	1905.08
CE 2	503402.85	570623.35	1908.07
HW2	503402.95	570623.28	1909.72

5/14/99
25-AUG-2008 11:43
utilities.dwg
A-0011bb-ut-10_uc08_psh.dgn

UTILITIES BY OTHERS

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

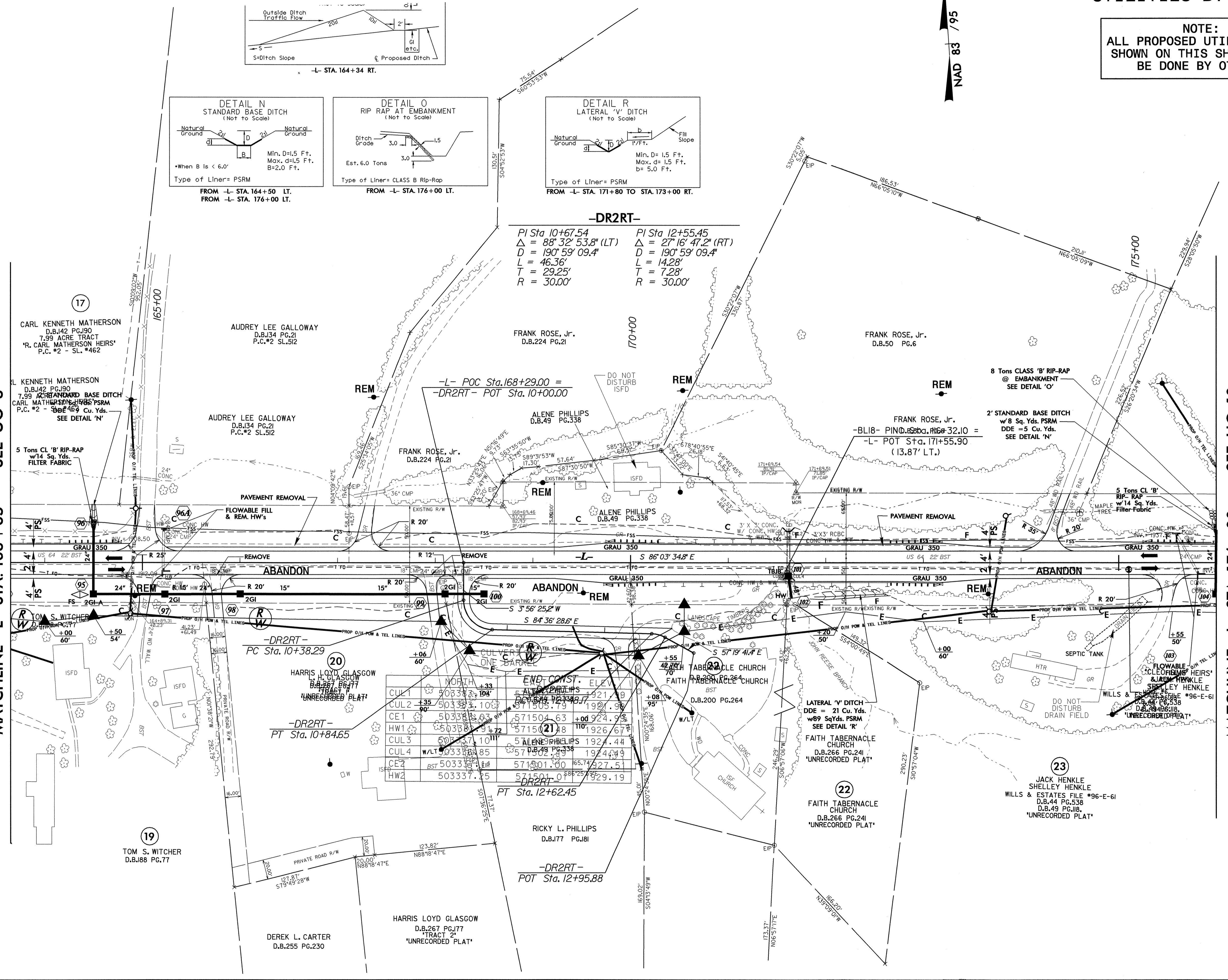


-DR2RT-

PI Sta 10+67.54	PI Sta 12+55.45
$\Delta = 88^{\circ} 32' 53.8" (LT)$	$\Delta = 27^{\circ} 16' 47.2" (RT)$
$D = 190^{\circ} 59' 09.4"$	$D = 190^{\circ} 59' 09.4"$
$L = 46.36'$	$L = 14.28'$
$T = 29.25'$	$T = 7.28'$
$R = 30.00'$	$R = 30.00'$

MATCHLINE -L- STA. 163 + 65 SEE UO-8

MATCHLINE -L- STA. 176 + 00 SEE UO-10



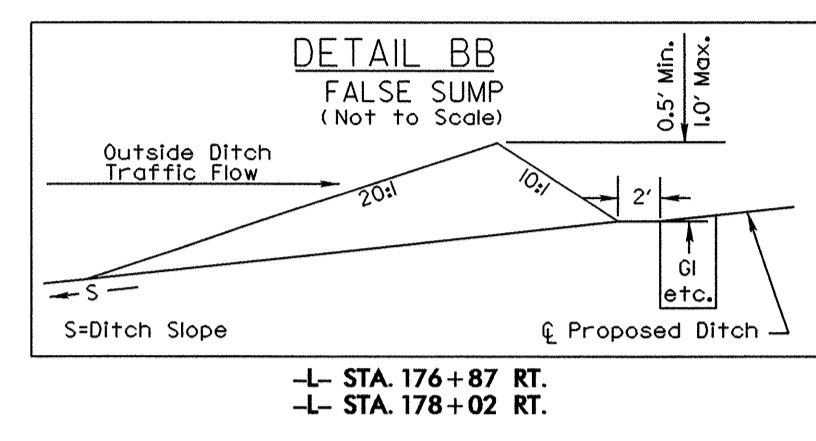
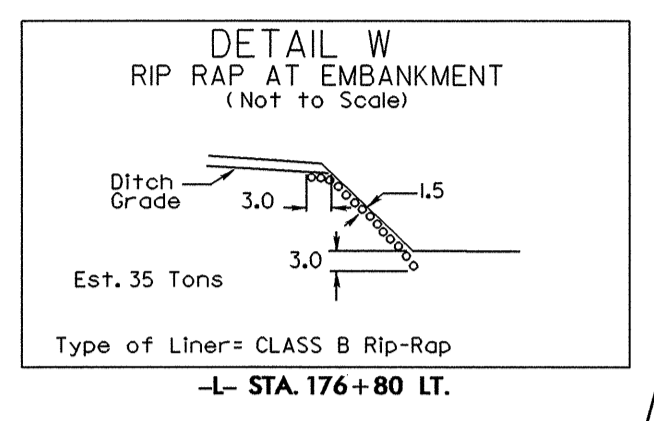
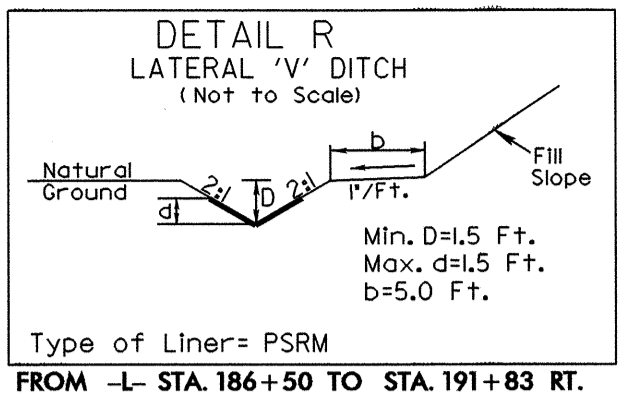
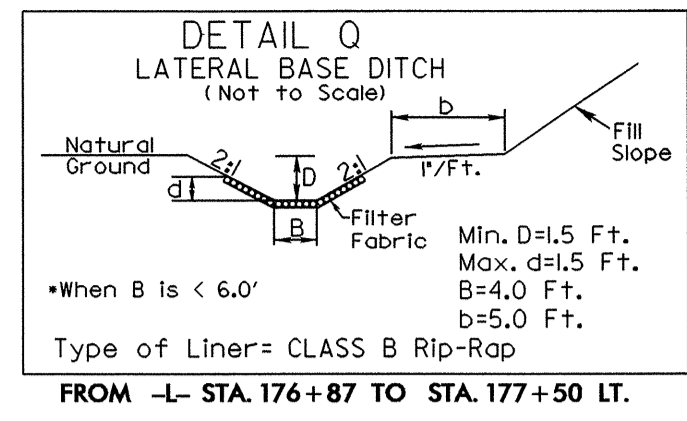
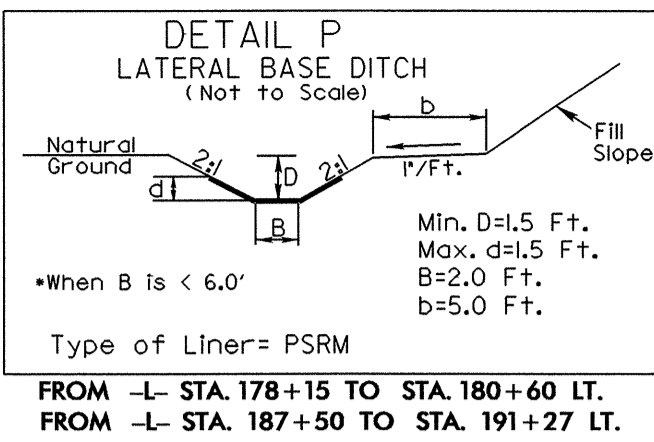
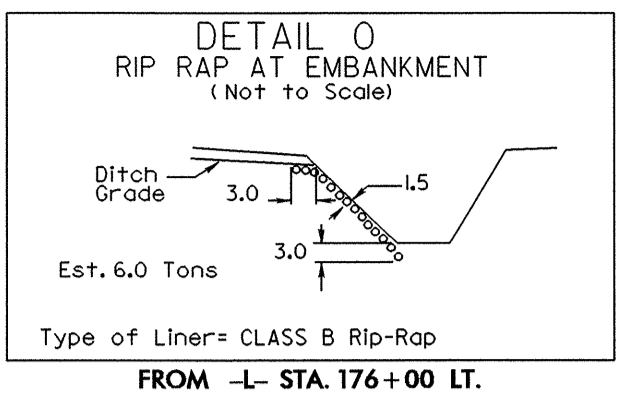
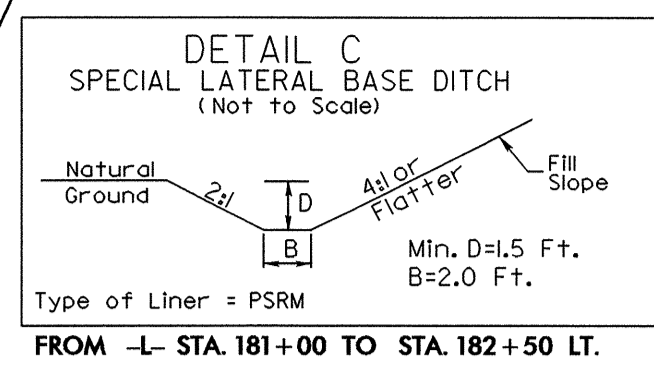
END CONST. ELEV.

CUL1	50338.10	57150.63	+08 924.93
CUL2	50338.10	57150.63	+08 924.93
CE1	50338.10	57150.63	+08 924.93
HW1	50338.10	57150.63	+08 924.93
CUL3	50338.10	57150.63	+08 924.93
CUL4	50338.10	57150.63	+08 924.93
CE2	50338.10	57150.63	+08 924.93
HW2	50338.10	57150.63	+08 924.93

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25-AUG-2008 11:42
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UTILITIES BY OTHERS

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



-DR3RT-

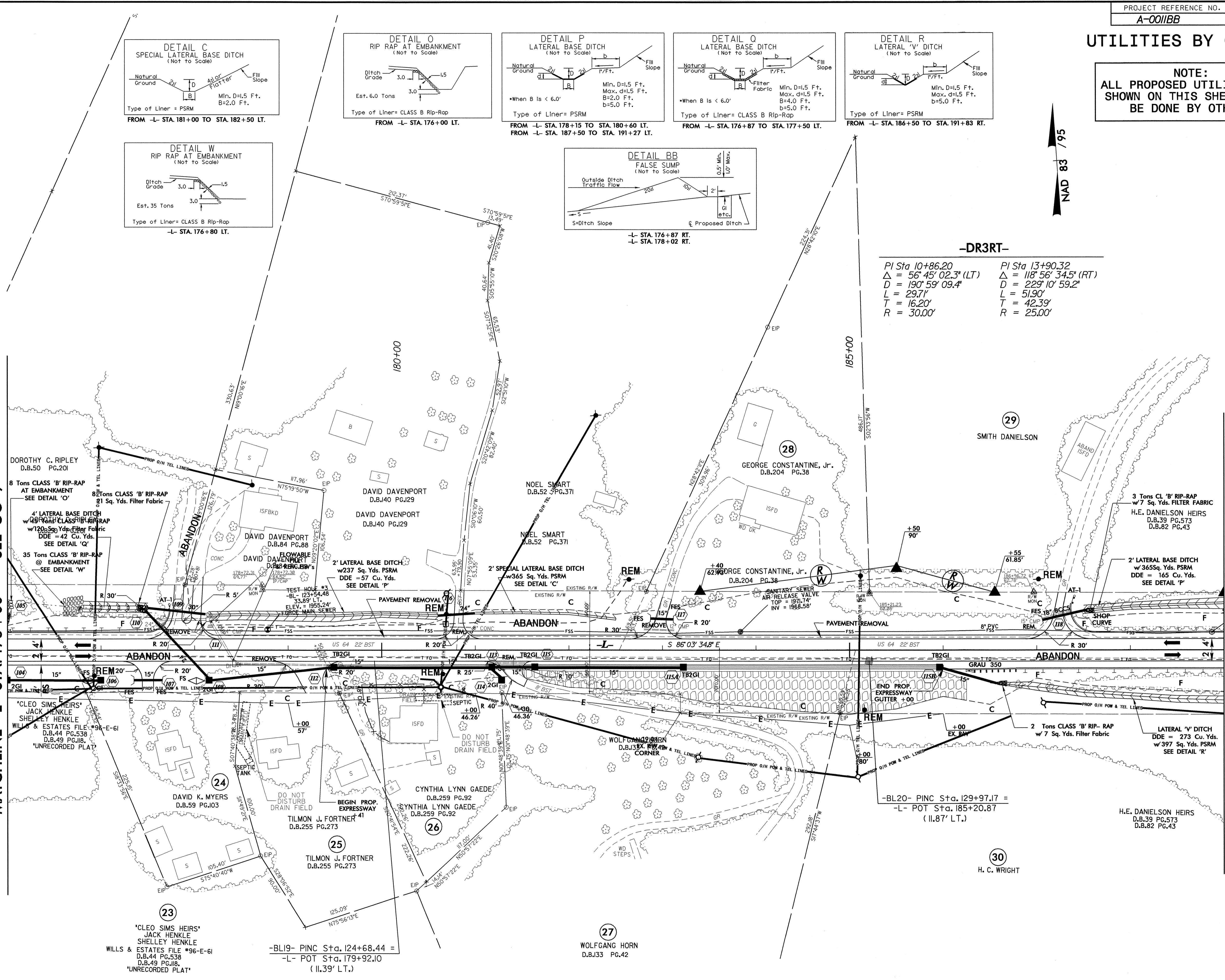
PI Sta 10+86.20	PI Sta 13+90.32
$\Delta = 56^\circ 45' 02.3" (LT)$	$\Delta = 118^\circ 56' 34.5" (RT)$
$D = 190' 59' 09.4"$	$D = 229' 10' 59.2"$
$L = 297'$	$L = 51.90'$
$T = 16.20'$	$T = 42.39'$
$R = 30.00'$	$R = 25.00'$



MATCHLINE -L- STA. 176+00 SEE UO-9

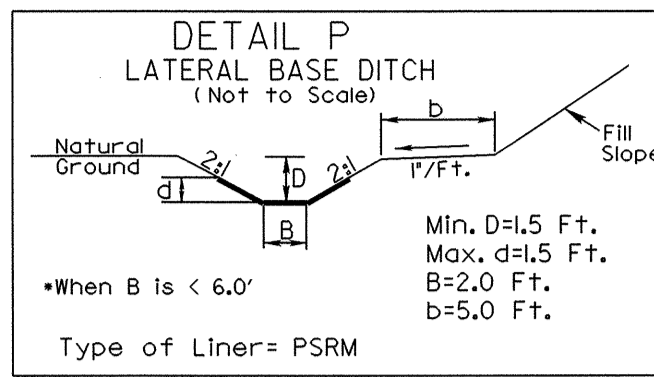
MATCHLINE -L- STA. 189+00 SEE UO-11

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25-AUG-2008 11:41
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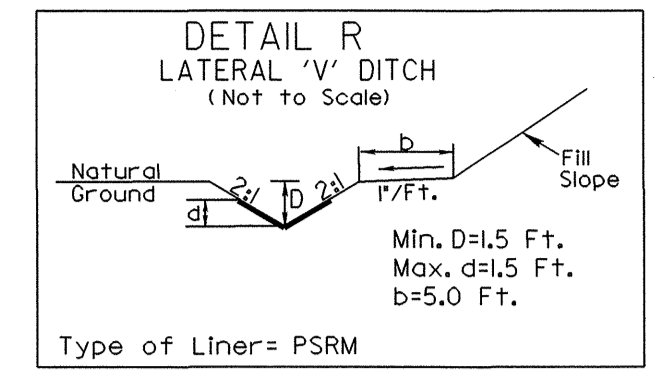


UTILITIES BY OTHERS

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

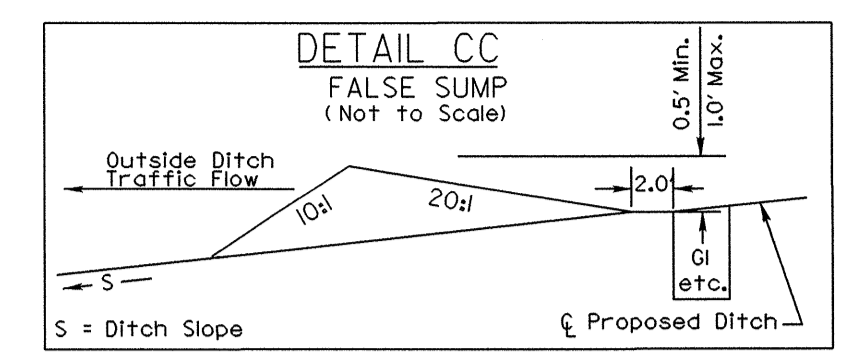


FROM -L- STA. 187+50 TO STA. 191+27 LT.
FROM -L- STA. 191+41 TO STA. 193+10 LT.
FROM -L- STA. 198+50 TO STA. 200+00 LT.
FROM -L- STA. 200+00 TO STA. 202+10 LT.



FROM -L- STA. 186+50 TO STA. 191+83 RT.
FROM -L- STA. 201+73 TO STA. 204+00 RT.

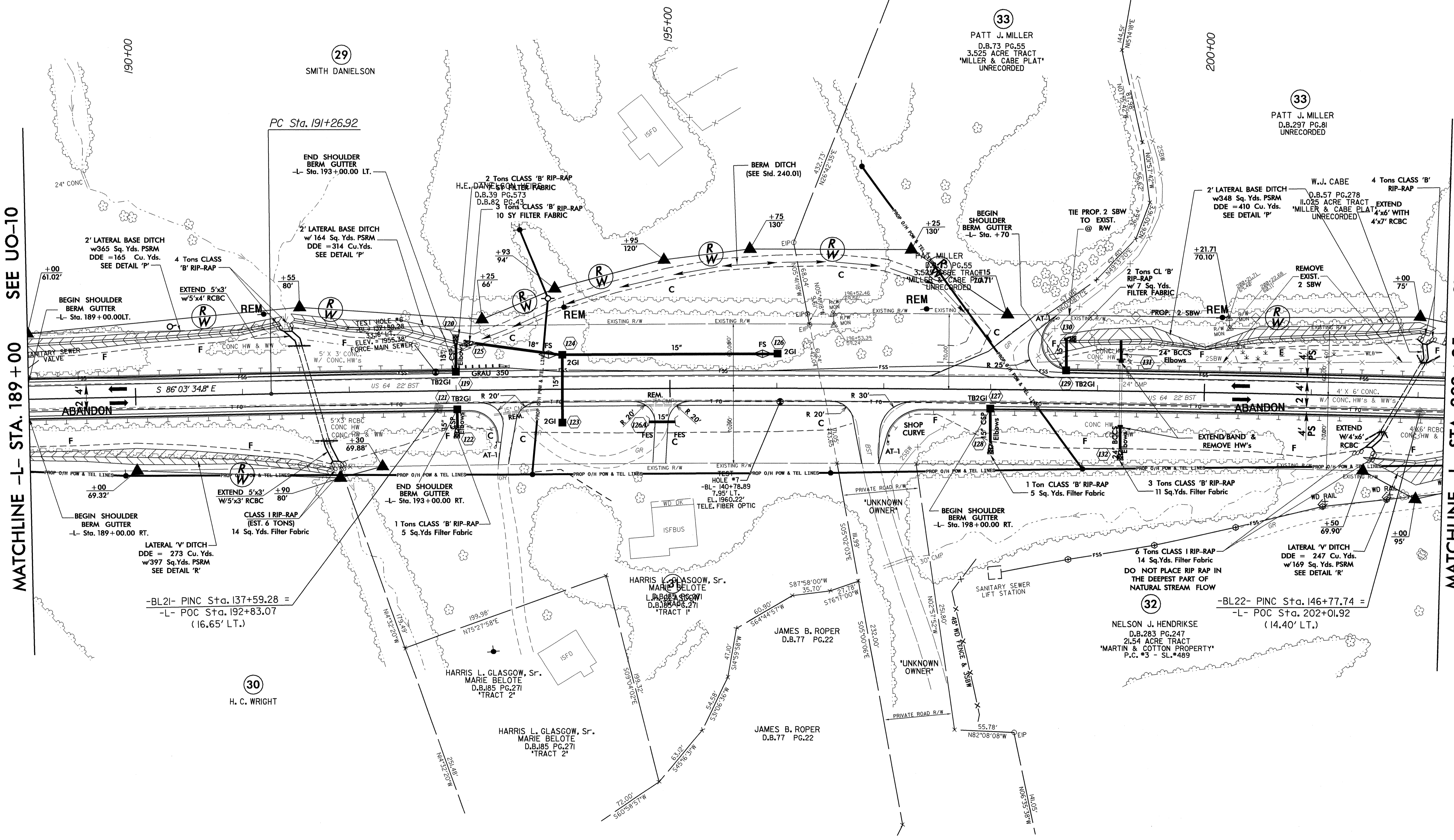
-L-
PI Sta 218+00.64
 $\Delta = 14' 12" 37.6"$ (RT)
 $D = 0' 16" 01.6"$
 $L = 5,320.01'$
 $T = 2,673.73'$
 $R = 21,450.00'$



-L- STA. 193+85 LT.
-L- STA. 195+87 LT.

MATCHLINE -L- STA. 189+00 SEE UO-10

MATCHLINE -L- STA. 202+25 SEE UO-12

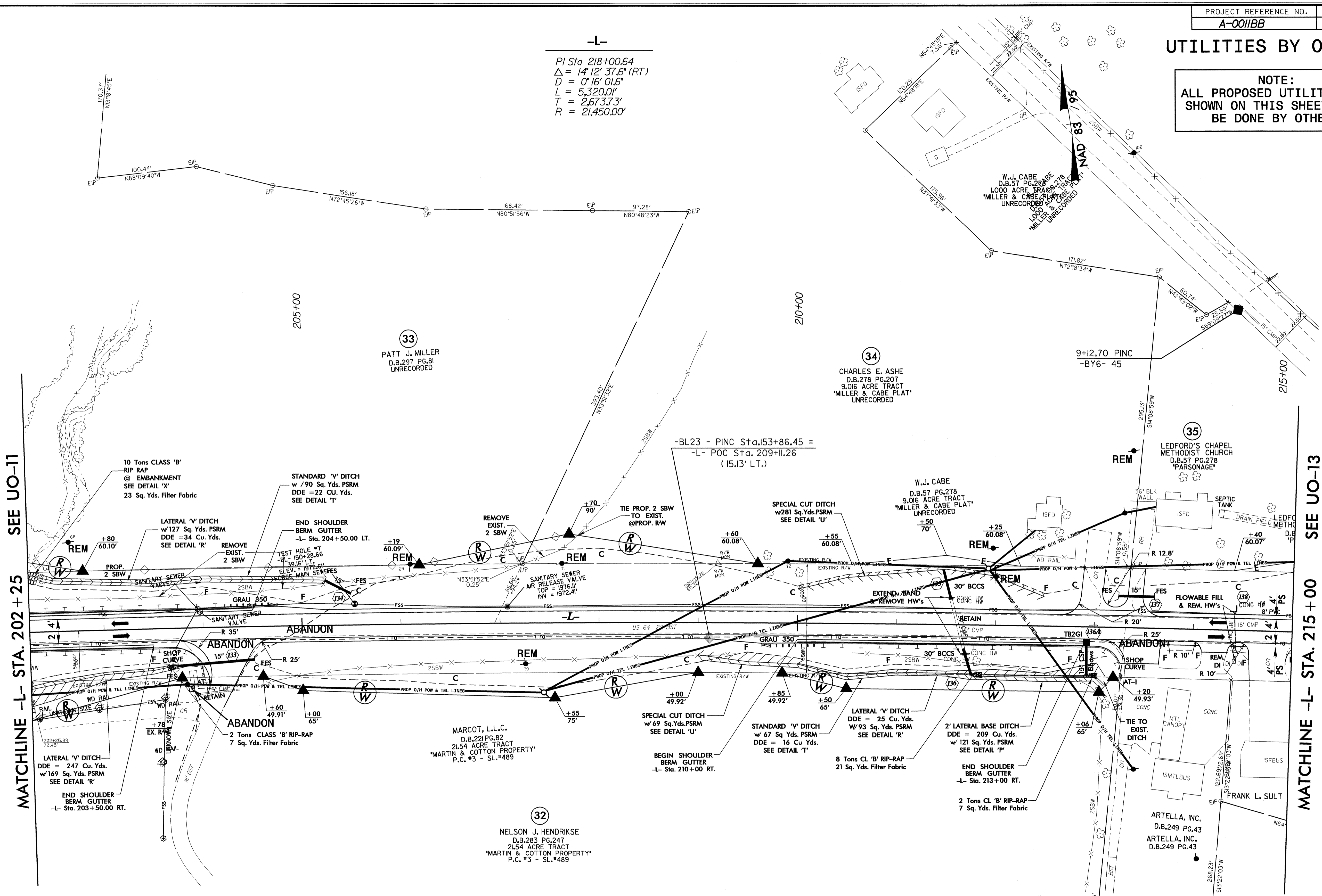


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25-AUG-2008 11:40
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UTILITIES BY OTHERS

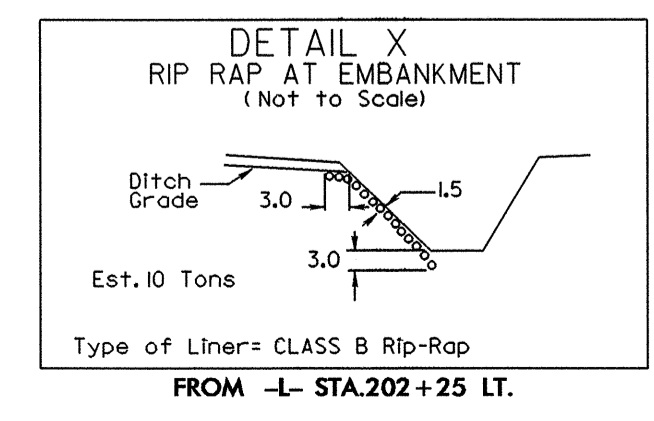
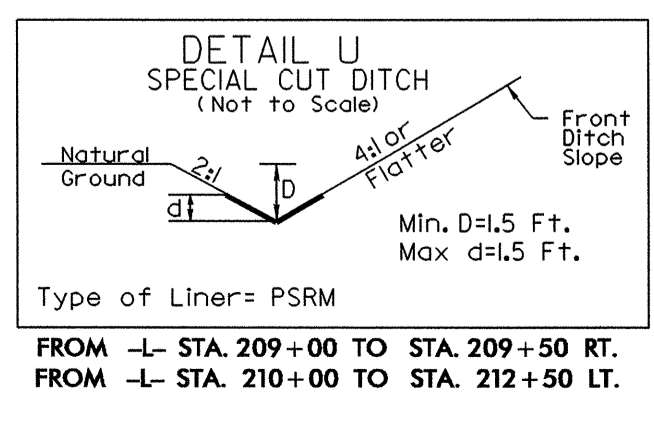
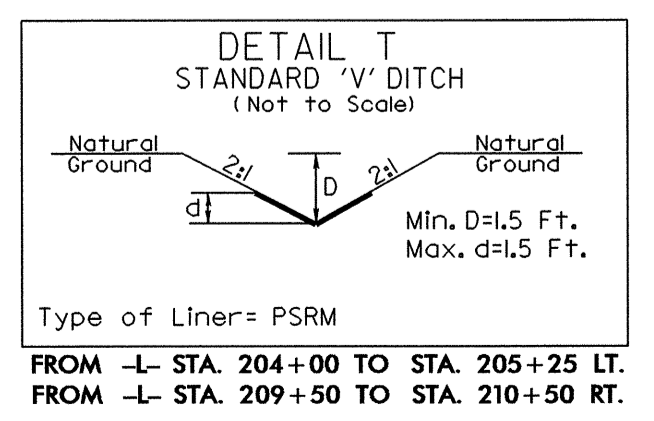
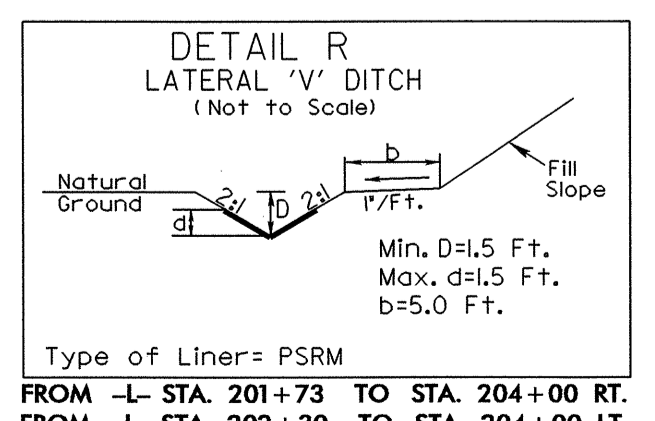
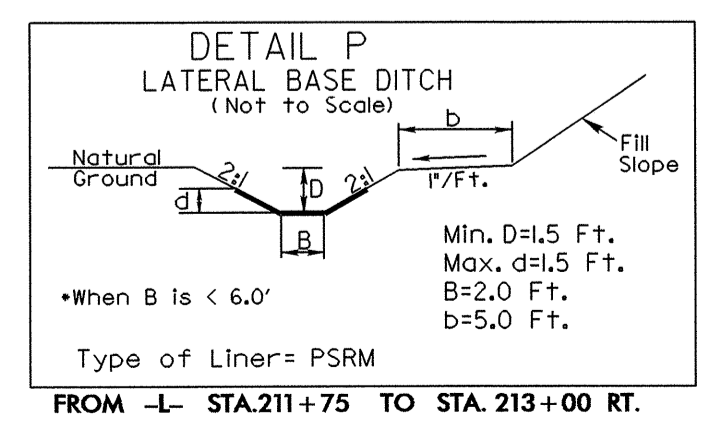
NOTE:
ALL PROPOSED UTILITY WORK
SHOWN ON THIS SHEET WILL
BE DONE BY OTHERS

-L-
PI Sta 218+00.64
Δ = 14° 12' 37.6" (RT)
D = 0° 16' 01.6"
L = 5,320.01'
T = 2,673.73'
R = 21,450.00'



MATCHLINE -L- STA. 202+25 SEE UO-11

SEE UO-13 MATCHLINE -L- STA. 215+00

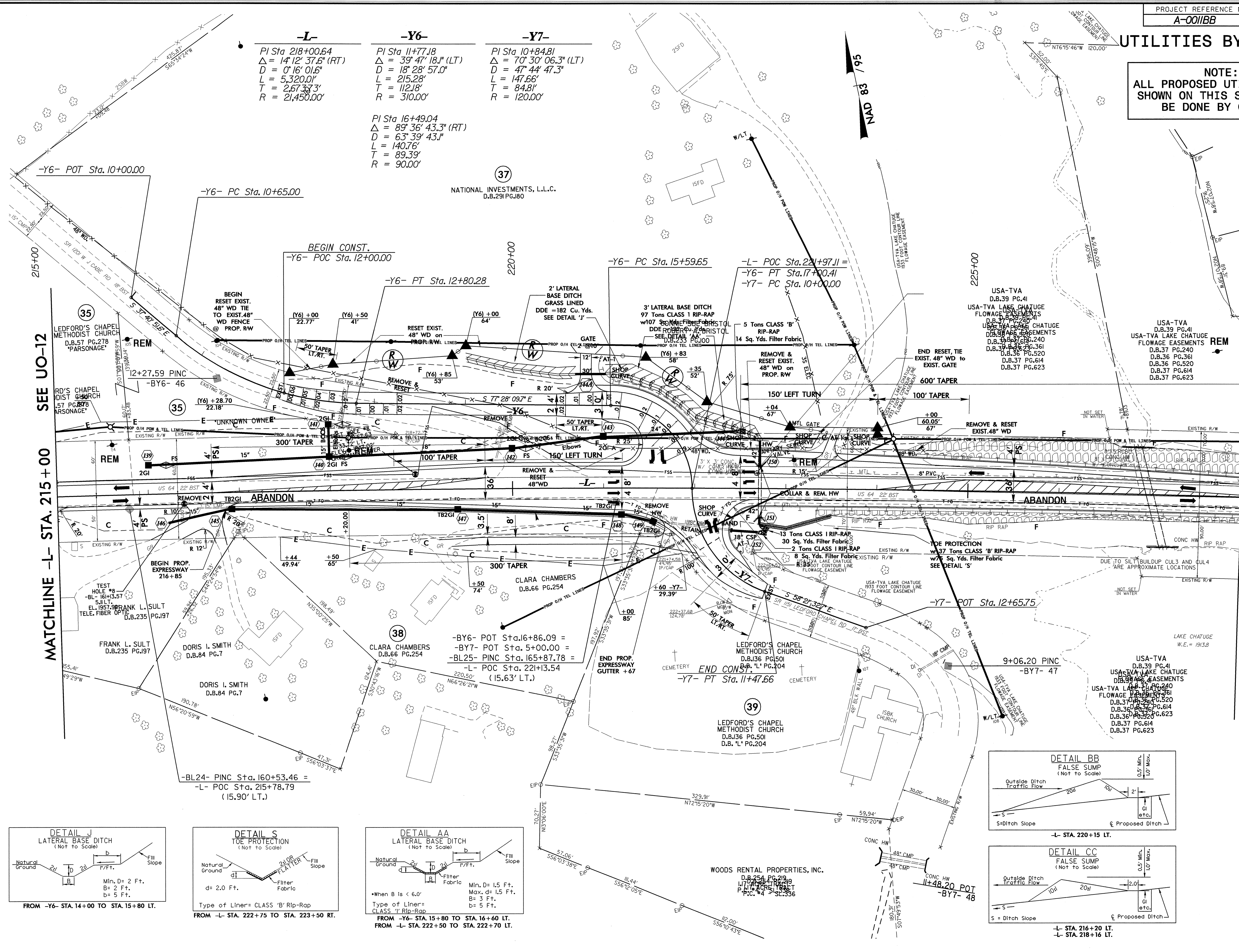


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UTILITIES BY OTHERS

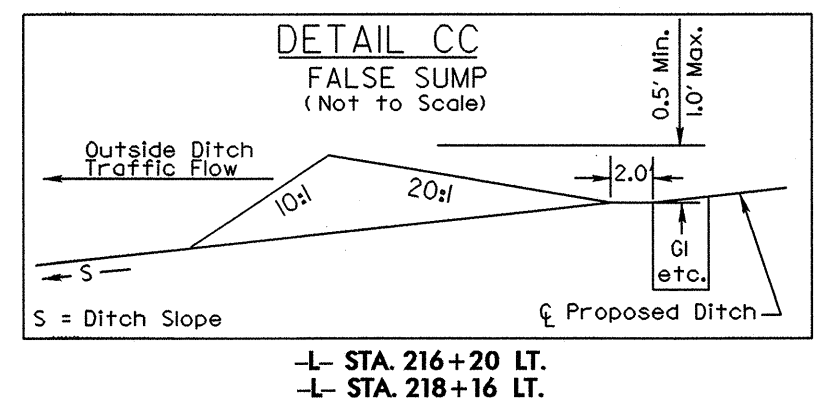
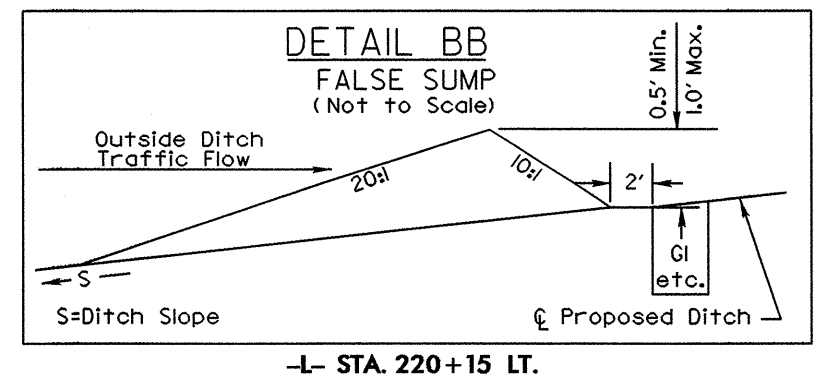
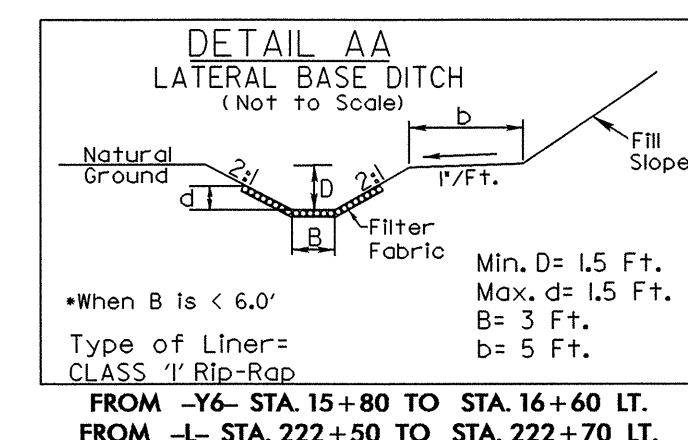
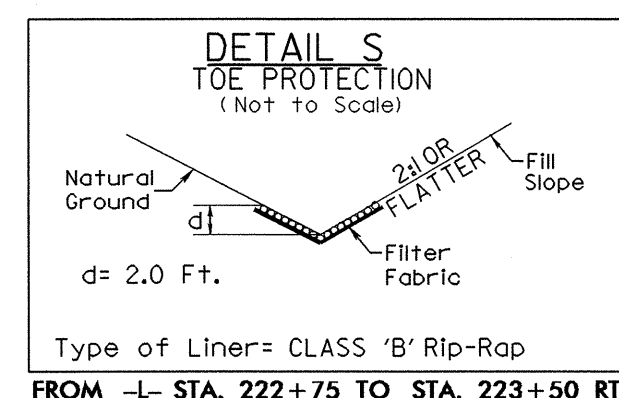
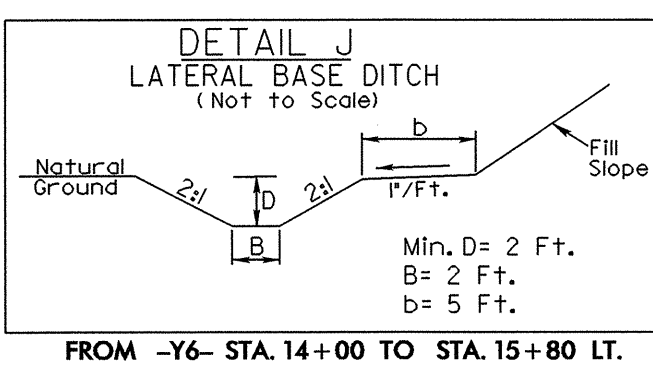
NOTE:
ALL PROPOSED UTILITY WORK
SHOWN ON THIS SHEET WILL
BE DONE BY OTHERS

-L-	-Y6-	-Y7-
PI Sta 218+00.64 Δ = 14° 12' 37.6" (RT) D = 0° 16' 01.6" L = 5,320.0' T = 2,673.3' R = 21,450.00'	PI Sta 11+77.18 Δ = 39° 47' 18.1" (LT) D = 18° 28' 57.0" L = 215.28' T = 112.18' R = 310.00'	PI Sta 10+84.81 Δ = 70° 30' 06.3" (LT) D = 47° 44' 47.3" L = 147.66' T = 84.81' R = 120.00'
	PI Sta 16+49.04 Δ = 89° 36' 43.3" (RT) D = 63° 39' 43.1" L = 140.76' T = 89.39' R = 90.00'	



MATCHLINE -L- STA. 215+00 SEE UO-12

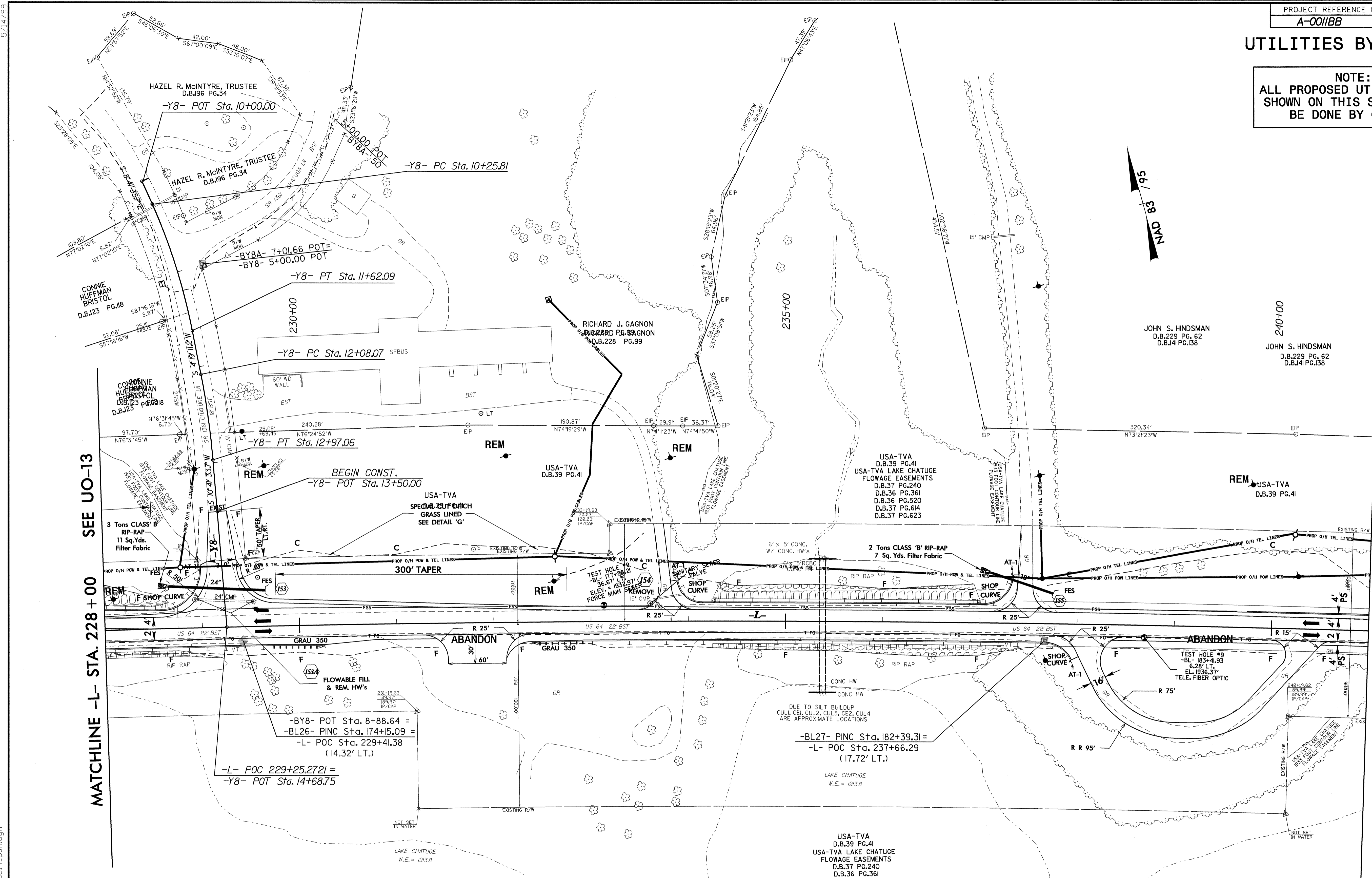
MATCHLINE -L- STA. 228+00 SEE UO-14



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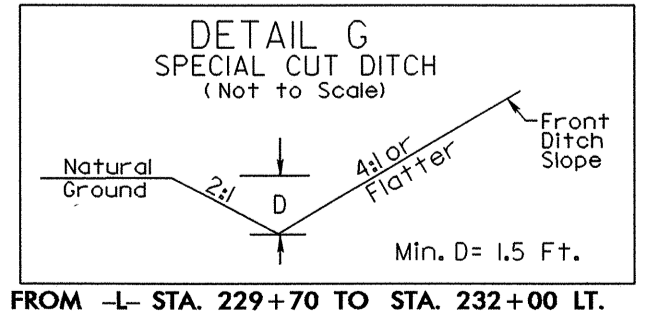
UTILITIES BY OTHERS

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



SEE UO-13
 MATCHLINE -L- STA. 228 + 00

SEE UO-15
 MATCHLINE -L- STA. 241 + 00



-L-	-Y8-	-Y8-
PI Sta 218+00.64	PI Sta 10+94.24	PI Sta 12+52.61
$\Delta = 14' 12' 37.6''$ (RT)	$\Delta = 13' 00' 46.9''$ (RT)	$\Delta = 6' 22' 22.5''$ (RT)
$D = 0' 16' 01.6''$	$D = 9' 32' 57.5''$	$D = 7' 09' 43.1''$
$L = 5,320.0'$	$L = 136.27'$	$L = 88.98'$
$T = 2,673.73'$	$T = 68.43'$	$T = 44.54'$
$R = 21,450.00'$	$R = 600.00'$	$R = 800.00'$

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UTILITIES BY OTHERS

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

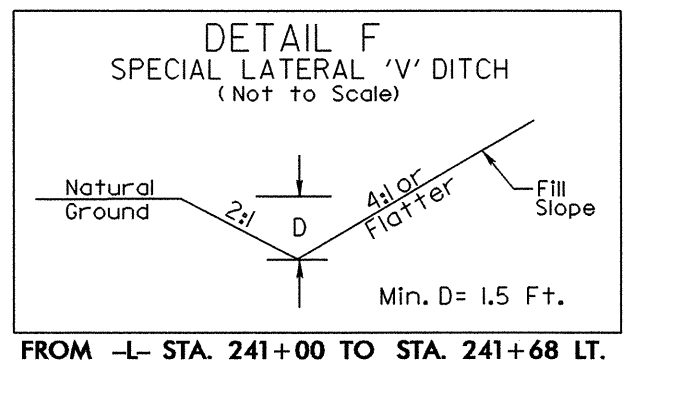
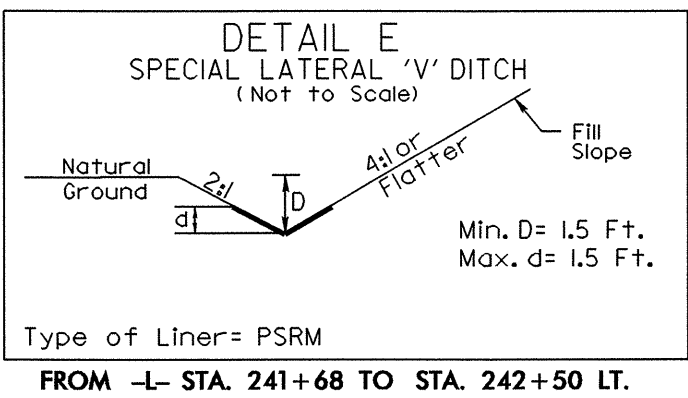
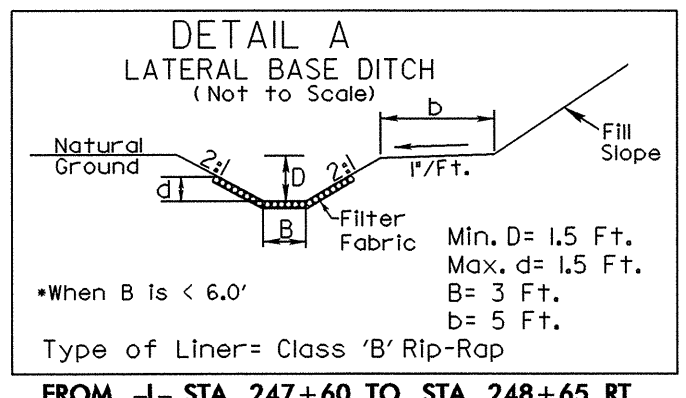
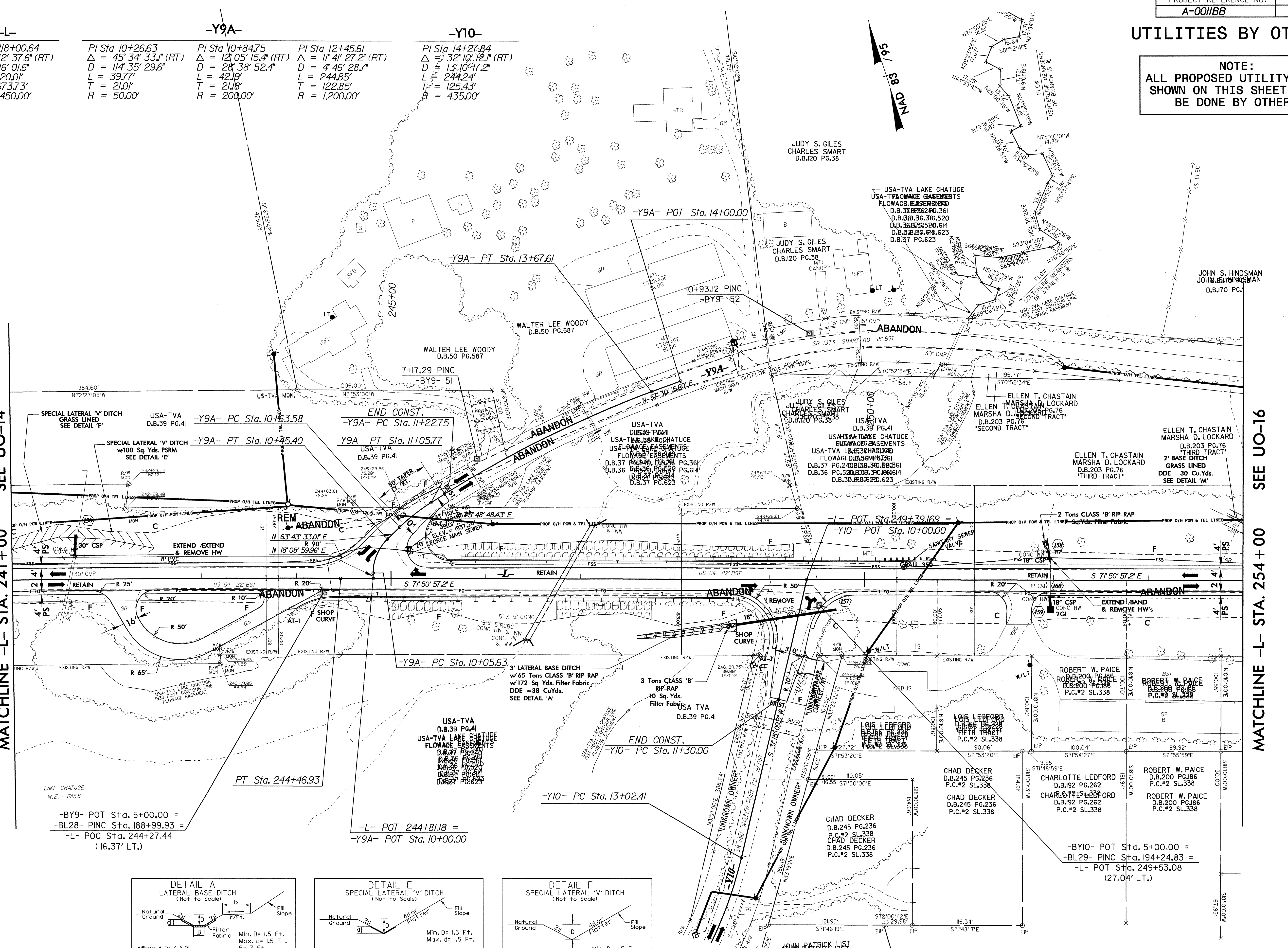
-L-	-Y9A-	-Y10-
PI Sta 218+00.64	PI Sta 10+26.63	PI Sta 14+27.84
$\Delta = 14' 12' 37.6"$ (RT)	$\Delta = 45' 34' 33.1"$ (RT)	$\Delta = 32' 10' 12.1"$ (RT)
$D = 0' 16' 01.6"$	$D = 114' 35' 29.6"$	$D = 13' 10' 12.2"$
$L = 5,320.01'$	$L = 39.77'$	$L = 244.24'$
$T = 2,673.73'$	$T = 21.01'$	$T = 125.43'$
$R = 21,450.00'$	$R = 50.00'$	$R = 435.00'$

SEE UO-14

MATCHLINE -L- STA. 241+00

SEE UO-16

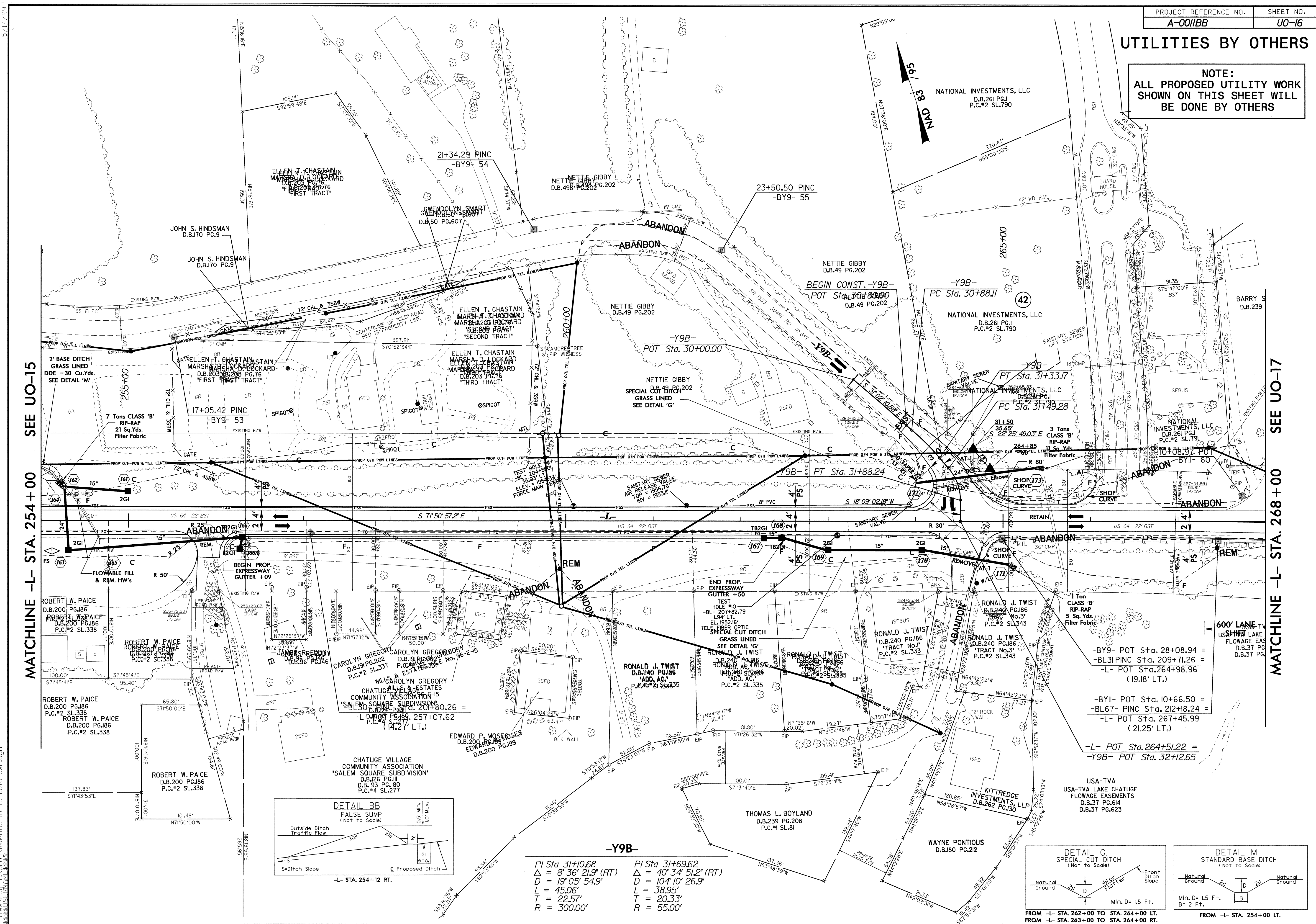
MATCHLINE -L- STA. 254+00



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\$\$\$\$\$ USER NAME \$\$\$

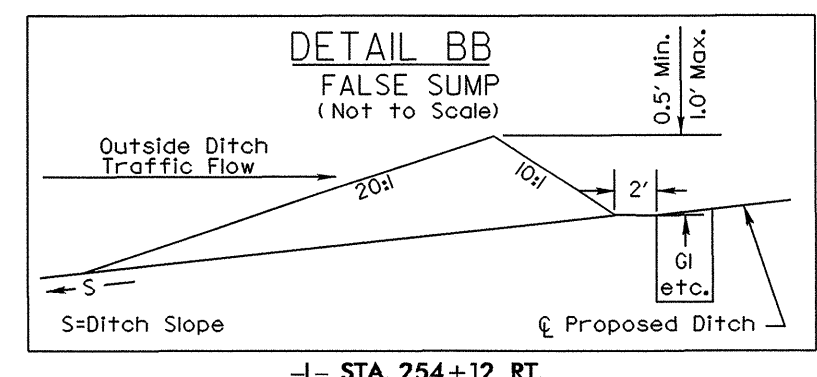
UTILITIES BY OTHERS

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

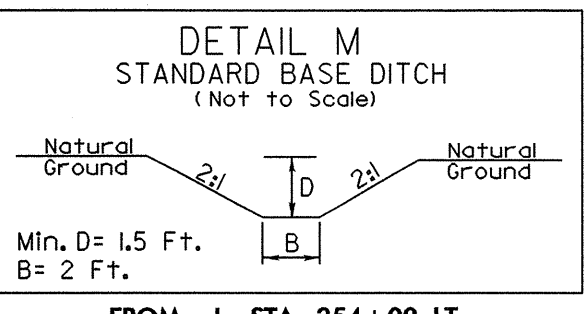
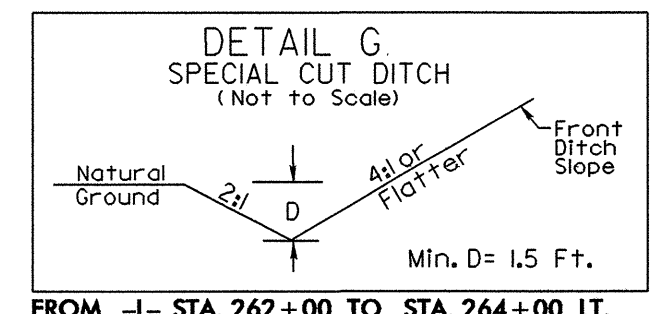


MATCHLINE -L- STA. 254+00 SEE UO-15

MATCHLINE -L- STA. 268+00 SEE UO-17



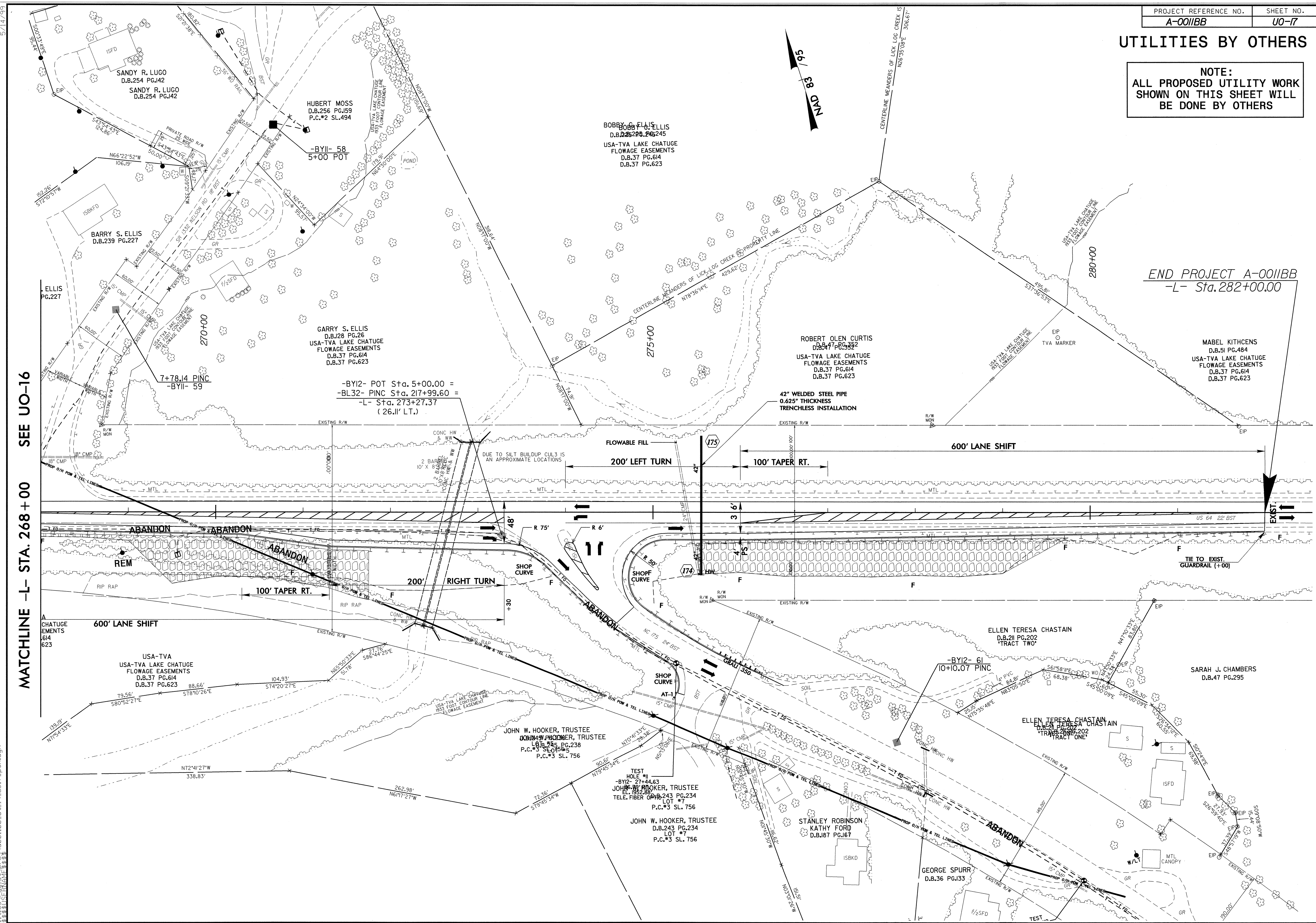
-Y9B-	
PI Sta 31+0.68	PI Sta 31+69.62
$\Delta = 8^{\circ} 36' 21.9''$ (RT)	$\Delta = 40^{\circ} 34' 51.2''$ (RT)
$D = 19^{\circ} 05' 54.9''$	$D = 104^{\circ} 10' 26.9''$
$L = 45.06'$	$L = 38.95'$
$T = 22.57'$	$T = 20.33'$
$R = 300.00'$	$R = 55.00'$



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UTILITIES BY OTHERS

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



MATCHLINE -L- STA. 268+00 SEE UO-16

END PROJECT A-0011BB
-L- Sta. 282+00.00

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