

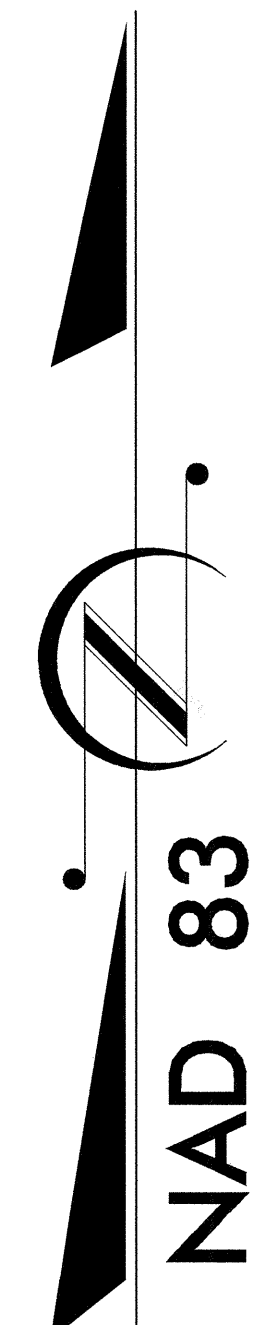
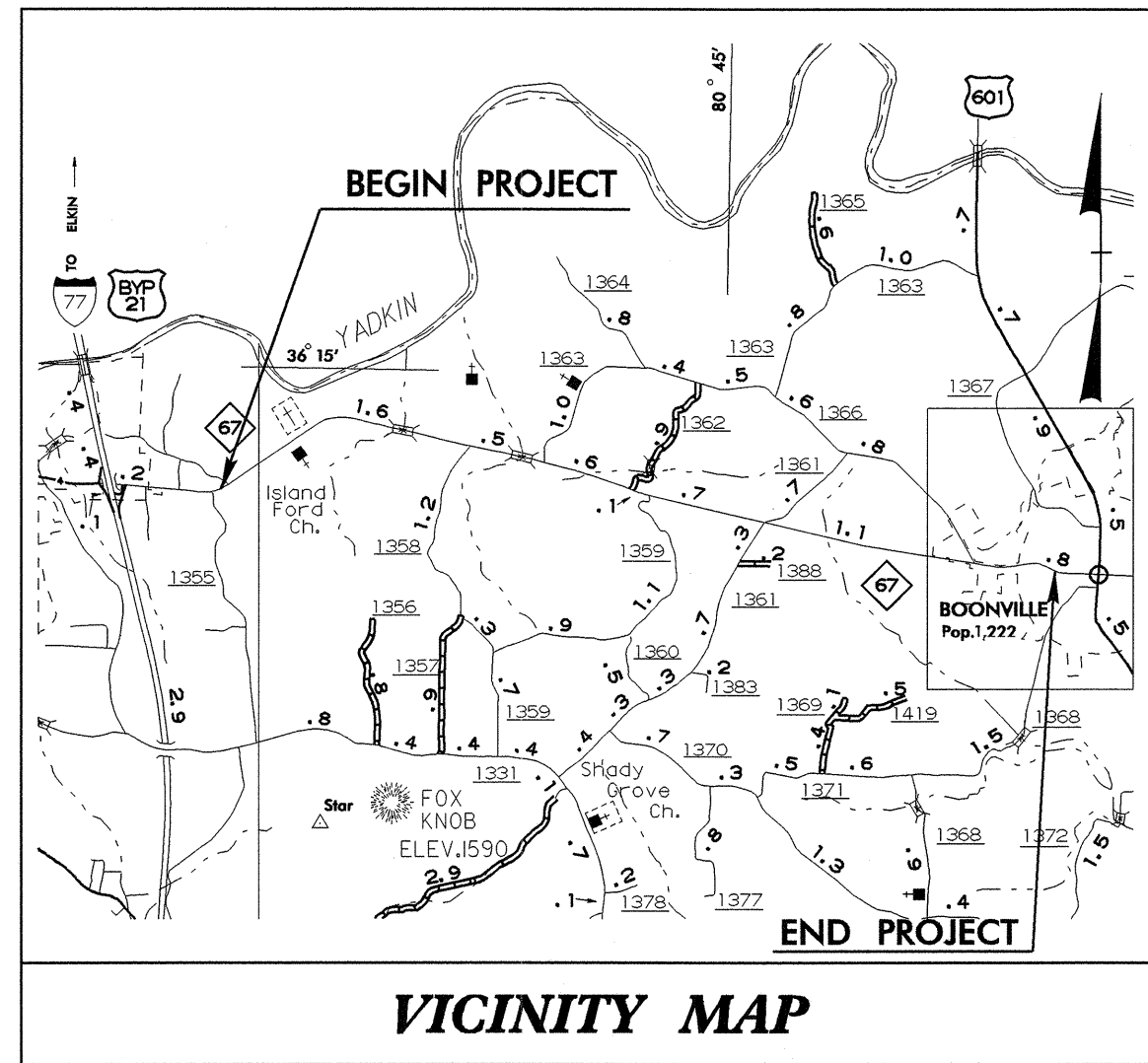
See Sheet 1-A For Index of Sheets

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

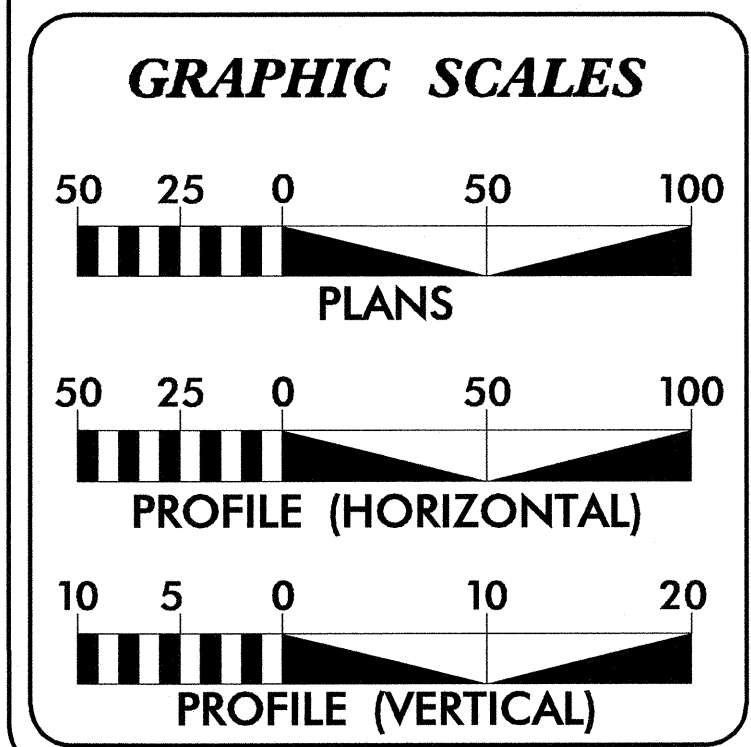
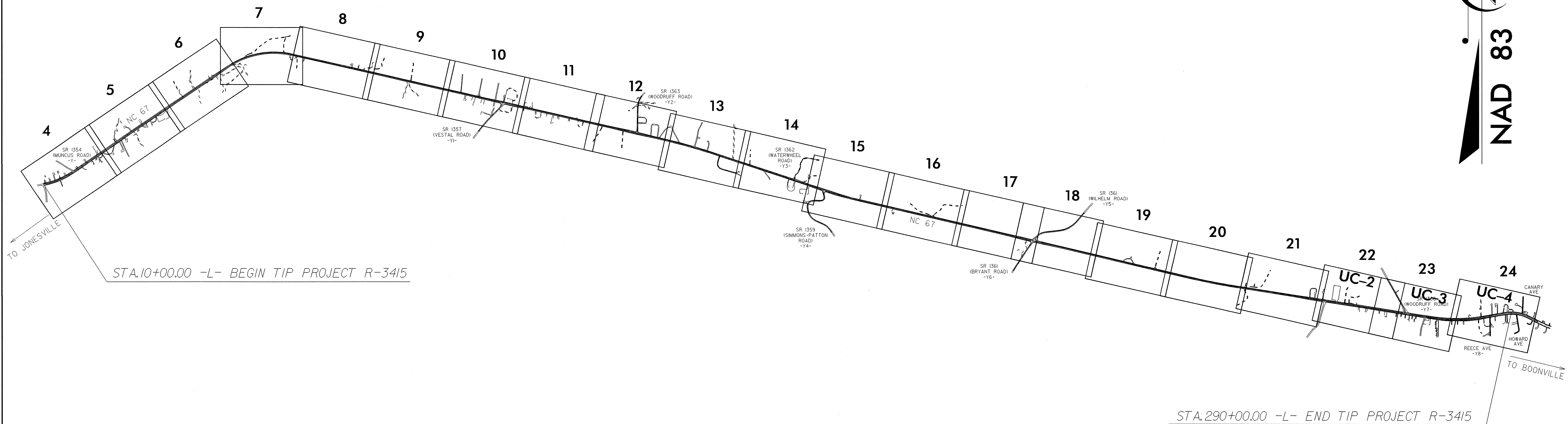
T.I.P. NO.	SHEET NO.
R-3415	UC-1

**UTILITY CONSTRUCTION PLANS
YADKIN COUNTY**

**LOCATION: NC 67 FROM SR 1355 (MESSICK ROAD)
TO JUST WEST OF BOONVILLE**
TYPE OF WORK: UTILITIES RELOCATION



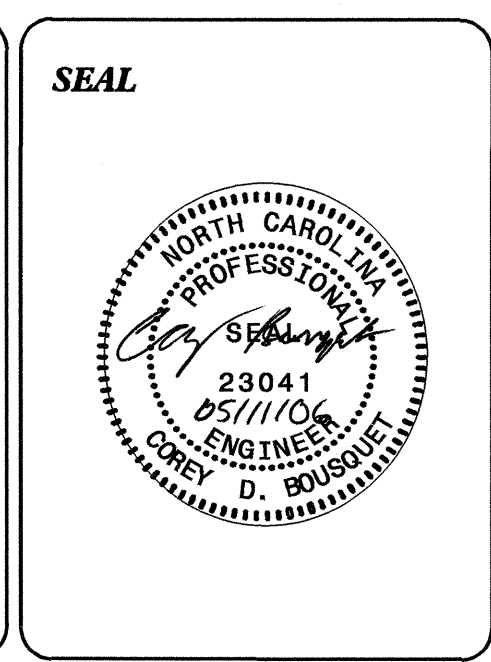
TIP: R-3415



INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
UC-1	TITLE SHEET
UC-2 THRU UC-4	UTILITY CONSTRUCTION PLAN SHEETS
UC-5	PROFILE SHEET
UC-6 THRU UC-7	DETAILS SHEET

WATER AND SEWER OWNERS ON PROJECT

(1) WATER - TOWN OF BOONVILLE
(2) SANITARY SEWER - TOWN OF BOONVILLE




PREPARED IN THE OFFICE OF:
**DIVISION OF HIGHWAYS
DESIGN 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
Corey Bousquet, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
Michael Snyder UTILITIES PROJECT DESIGNER

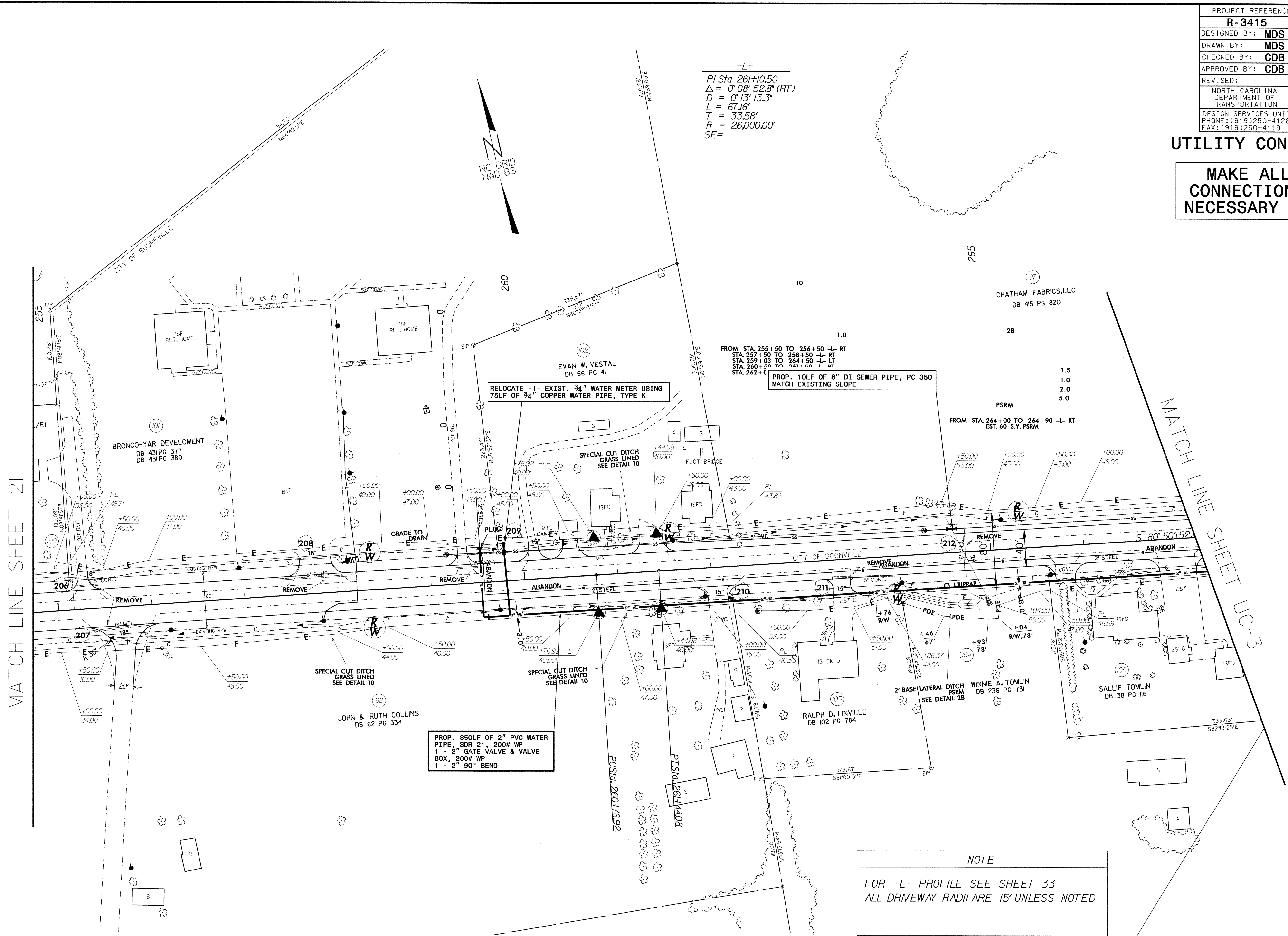
8/17/99

PROJECT REFERENCE NO.	SHEET NO.
R-3415	UC-2
DESIGNED BY: MDS	
DRAWN BY: MDS	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
DESIGN SERVICES UNIT PHONE: (919)250-4128 FAX: (919)250-4119	
UTILITY CONSTRUCTION PLANS ONLY	

UTILITY CONSTRUCTION

MAKE ALL PROP. CONNECTIONS USING NECESSARY FITTINGS

-L-
 PI Sta 261+10.50
 $\Delta = 0^{\circ} 08' 52.8''$ (RT)
 $D = 0' 13' 13.3''$
 $L = 67.16'$
 $R = 33.58'$
 $SE = 26,000.00'$



MATCH LINE SHEET 21

MATCH LINE SHEET UC-3

RELOCATE -1- EXIST. 3/4" WATER METER USING 75LF OF 3/4" COPPER WATER PIPE, TYPE K

PROP. 10LF OF 8" DI SEWER PIPE, PC 350
MATCH EXISTING SLOPE

PROP. 850LF OF 2" PVC WATER PIPE, SDR 21, 200# WP
 1 - 2" GATE VALVE & VALVE BOX, 200# WP
 1 - 2" 90° BEND

NOTE
 FOR -L- PROFILE SEE SHEET 33
 ALL DRIVEWAY RADII ARE 15' UNLESS NOTED

11-MAY-2006 16:37
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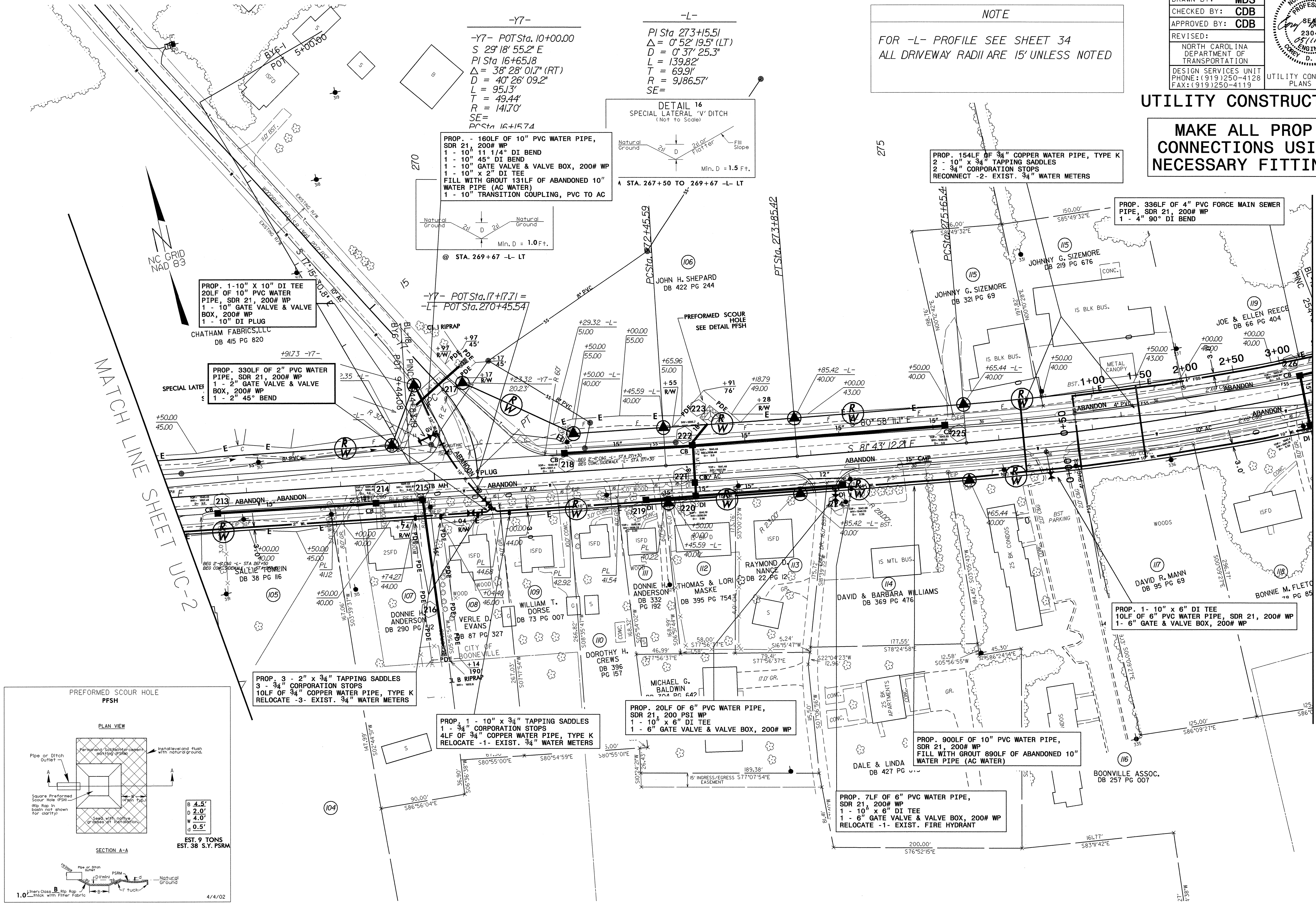
8/17/99

PROJECT REFERENCE NO.	SHEET NO.
R-3415	UC-3
DESIGNED BY: MDS	
DRAWN BY: MDS	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DESIGN SERVICES UNIT PHONE: (919) 250-4128 FAX: (919) 250-4119	
UTILITY CONSTRUCTION PLANS ONLY	

NOTE
FOR -L- PROFILE SEE SHEET 34
ALL DRIVEWAY RADII ARE 15' UNLESS NOTED

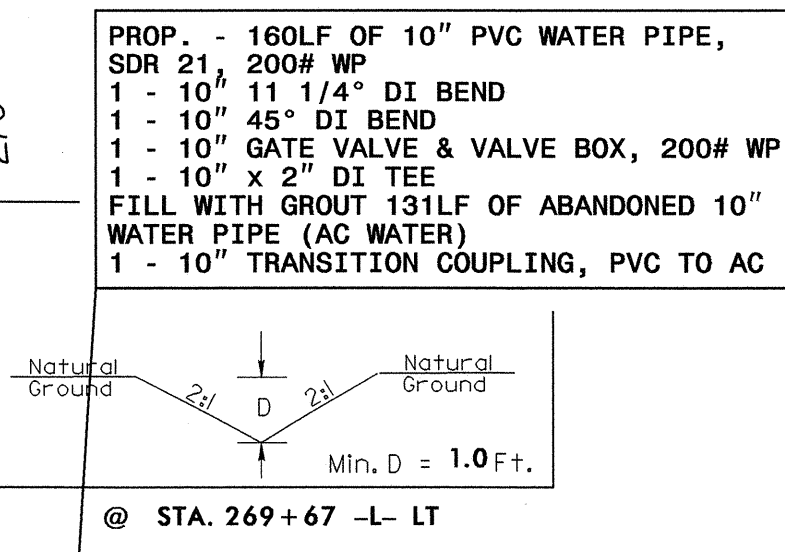
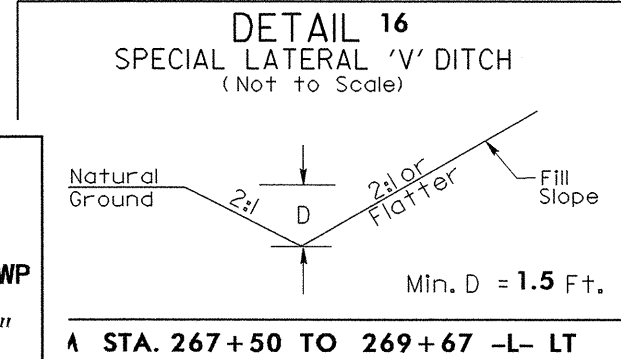
UTILITY CONSTRUCTION

MAKE ALL PROP. CONNECTIONS USING NECESSARY FITTINGS



-Y7-
-Y7- POT Sta. 10+00.00
S 29° 18' 55.2" E
PI Sta 16+65.18
Δ = 38° 28' 01.7" (RT)
D = 40° 26' 09.2"
L = 95.13'
T = 49.44'
R = 141.70'
SE =
PC Sta 16+15.74

-L-
PI Sta 273+15.51
Δ = 0° 52' 19.5" (LT)
D = 0° 37' 25.3"
L = 139.82'
T = 69.9'
R = 9,186.57'
SE =



PROP. 154LF OF 3/4" COPPER WATER PIPE, TYPE K
2 - 10" x 3/4" TAPPING SADDLES
2 - 3/4" CORPORATION STOPS
RECONNECT -2- EXIST. 3/4" WATER METERS

PROP. 336LF OF 4" PVC FORCE MAIN SEWER PIPE, SDR 21, 200# WP
1 - 4" 90° DI BEND

PROP. 1-10" x 10" DI TEE
20LF OF 10" PVC WATER PIPE, SDR 21, 200# WP
1 - 10" GATE VALVE & VALVE BOX, 200# WP
1 - 10" DI PLUG
CHATHAM FABRICS, LLC
DB 415 PG 820

PROP. 330LF OF 2" PVC WATER PIPE, SDR 21, 200# WP
1 - 2" GATE VALVE & VALVE BOX, 200# WP
1 - 2" 45° BEND

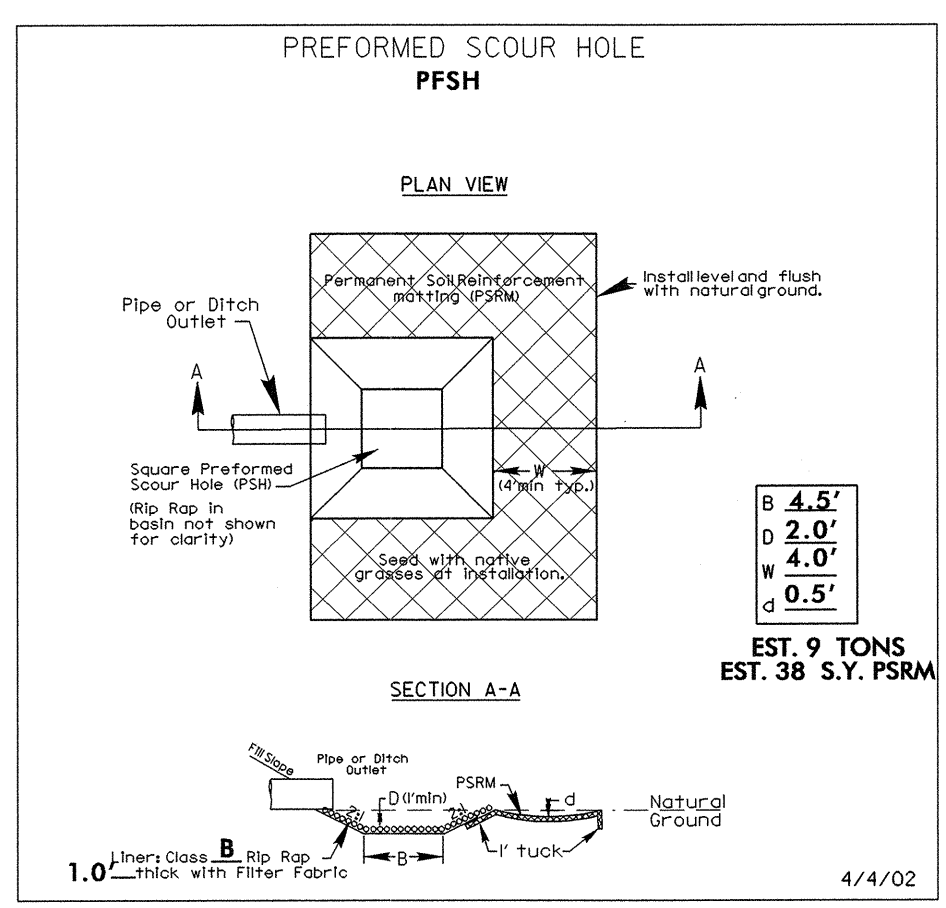
PROP. 3 - 2" x 3/4" TAPPING SADDLES
3 - 3/4" CORPORATION STOPS
10LF OF 3/4" COPPER WATER PIPE, TYPE K
RELOCATE -3- EXIST. 3/4" WATER METERS

PROP. 1 - 10" x 3/4" TAPPING SADDLES
1 - 3/4" CORPORATION STOPS
4LF OF 3/4" COPPER WATER PIPE, TYPE K
RELOCATE -1- EXIST. 3/4" WATER METERS

PROP. 20LF OF 6" PVC WATER PIPE, SDR 21, 200 PSI WP
1 - 10" x 6" DI TEE
1 - 6" GATE VALVE & VALVE BOX, 200# WP

PROP. 900LF OF 10" PVC WATER PIPE, SDR 21, 200# WP
FILL WITH GROUT 890LF OF ABANDONED 10" WATER PIPE (AC WATER)

PROP. 7LF OF 6" PVC WATER PIPE, SDR 21, 200# WP
1 - 10" x 6" DI TEE
1 - 6" GATE VALVE & VALVE BOX, 200# WP
RELOCATE -1- EXIST. FIRE HYDRANT

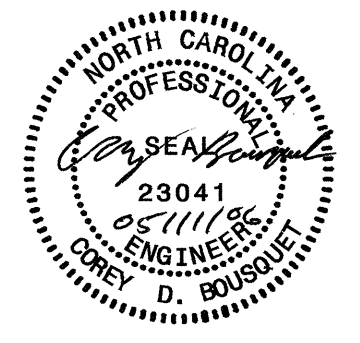


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3415UC-3

MATCH LINE SHEET UC-2

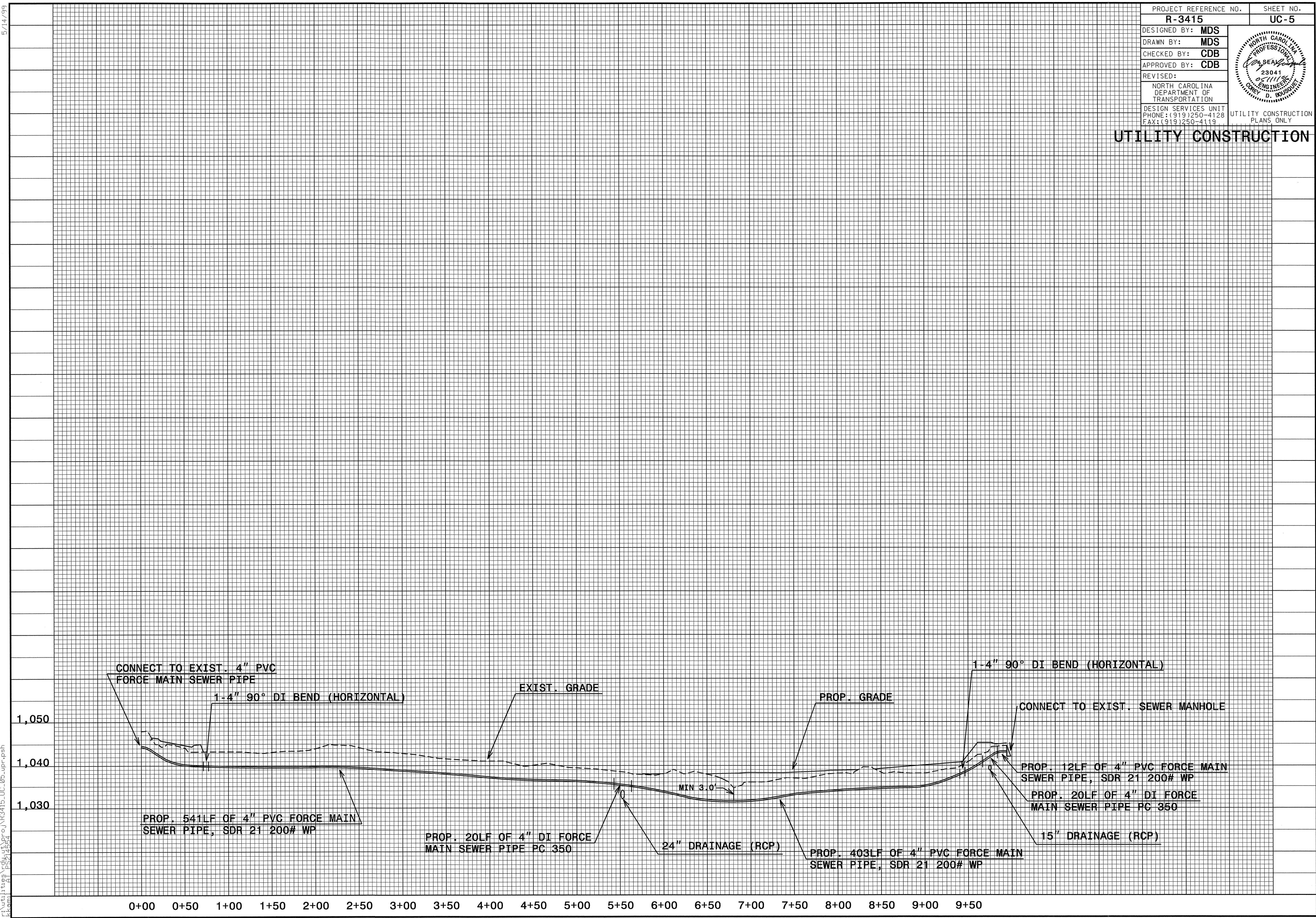
MATCH LINE SHEET UC-4

5/14/99

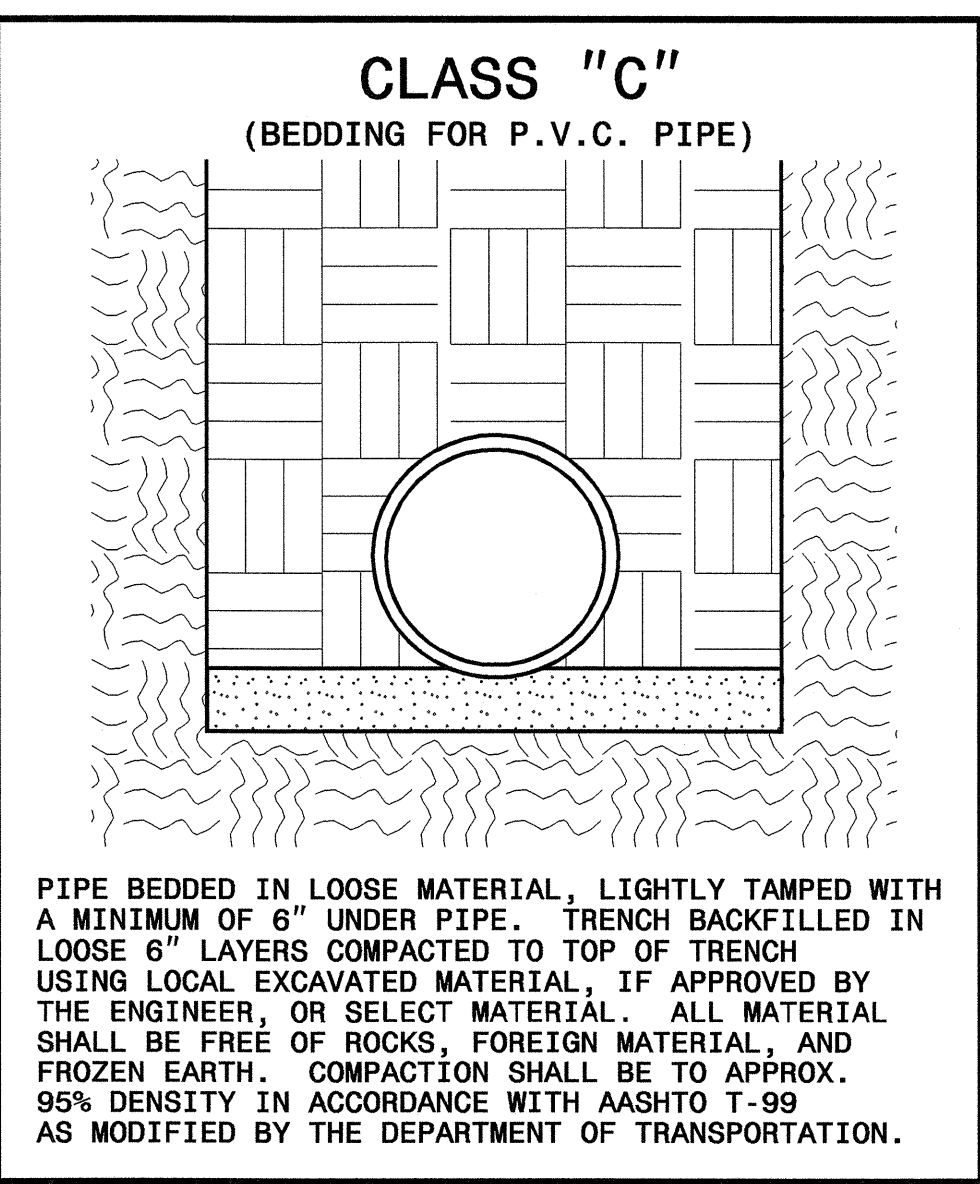
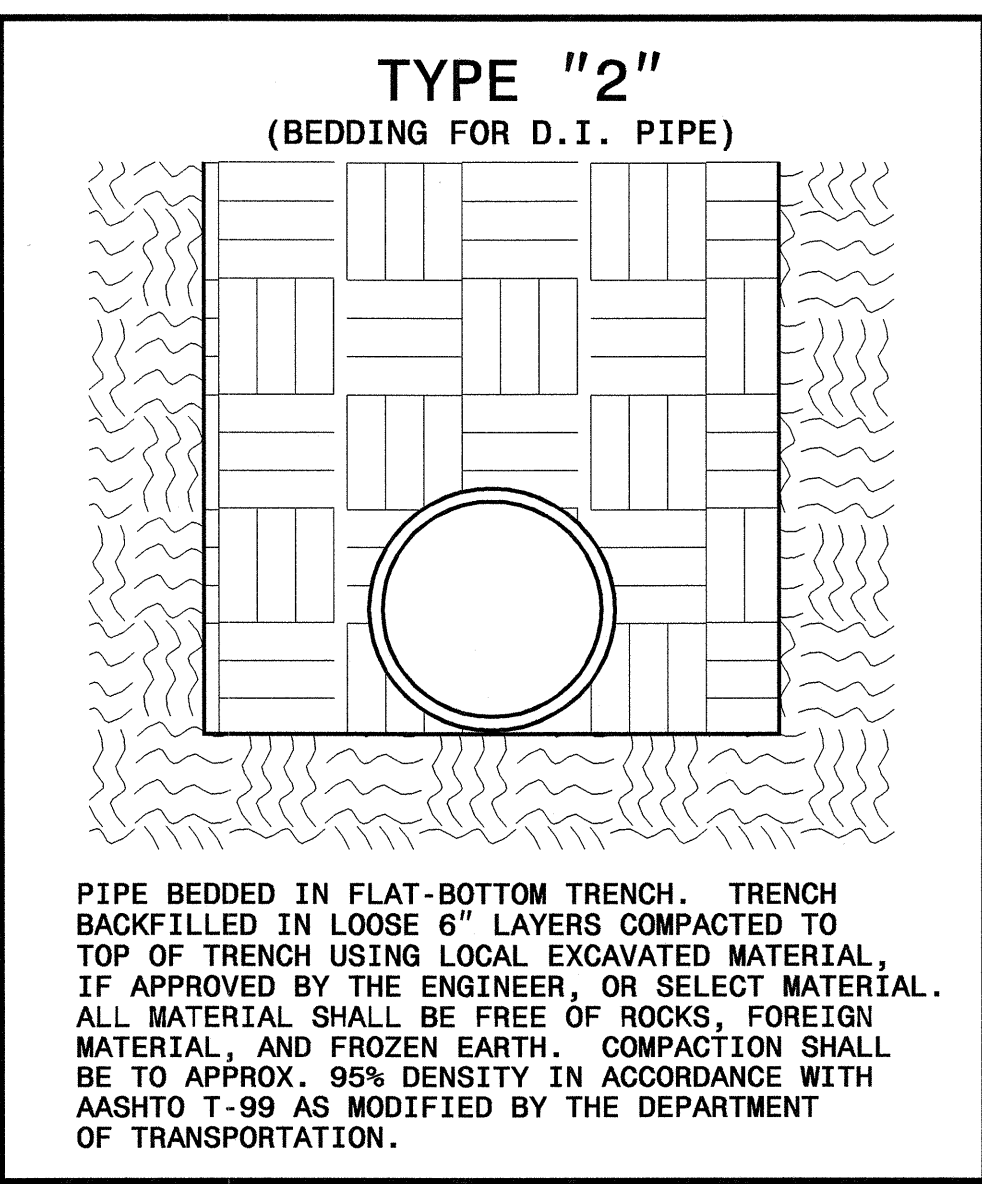
PROJECT REFERENCE NO. R-3415	SHEET NO. UC-5
DESIGNED BY: MDS	
DRAWN BY: MDS	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
DESIGN SERVICES UNIT PHONE: (919) 250-4128 FAX: (919) 250-4119	
UTILITY CONSTRUCTION PLANS ONLY	

UTILITY CONSTRUCTION

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kkamil

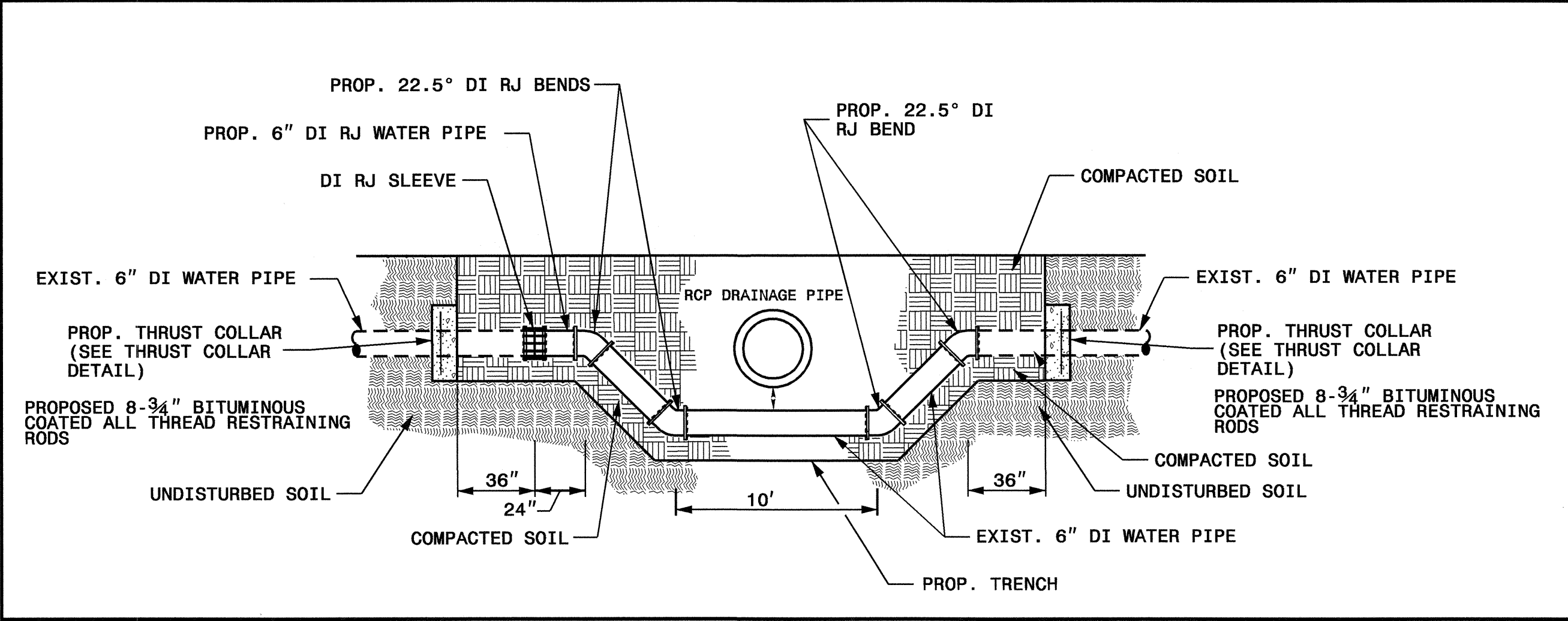


UTILITY CONSTRUCTION

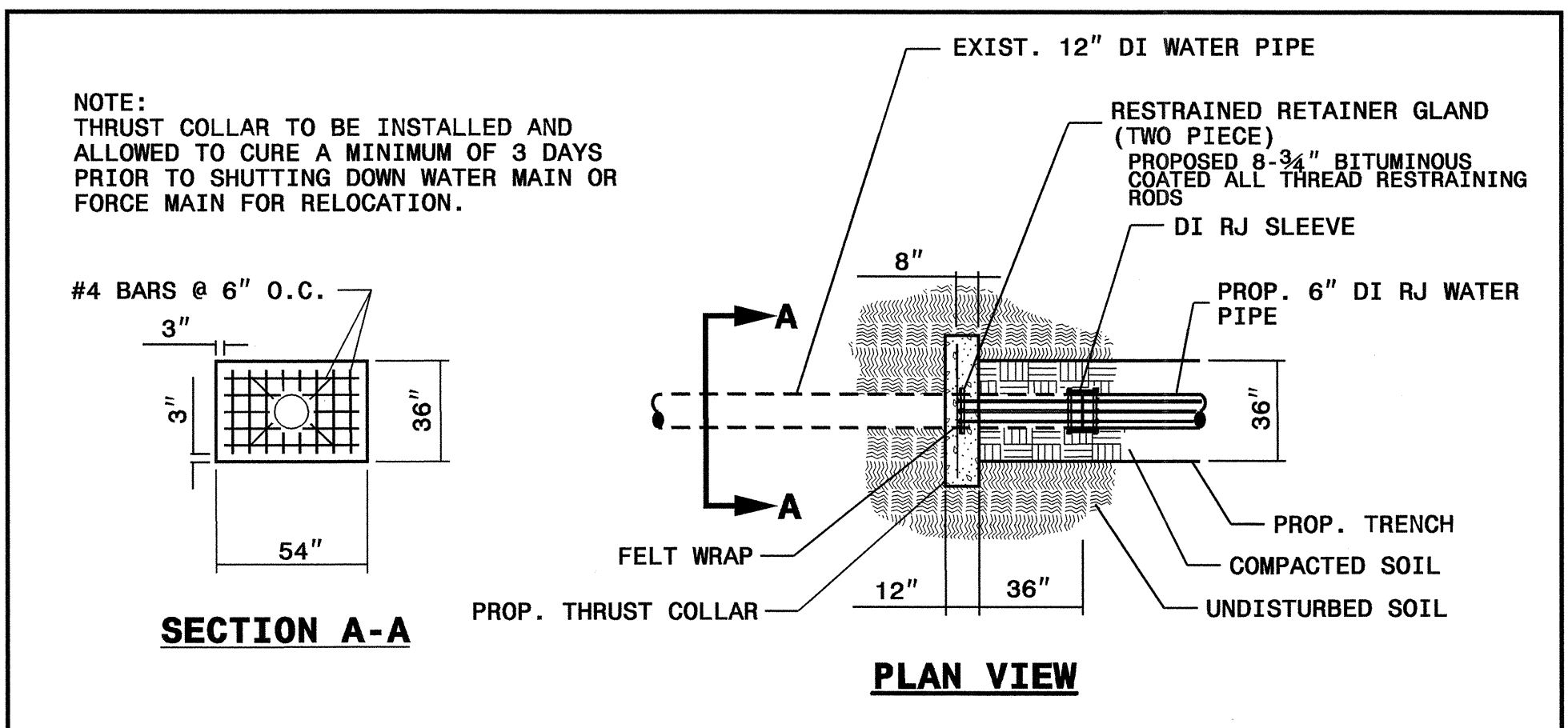


MAXIMUM TRENCH WIDTH AT TOP OF PIPE

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		



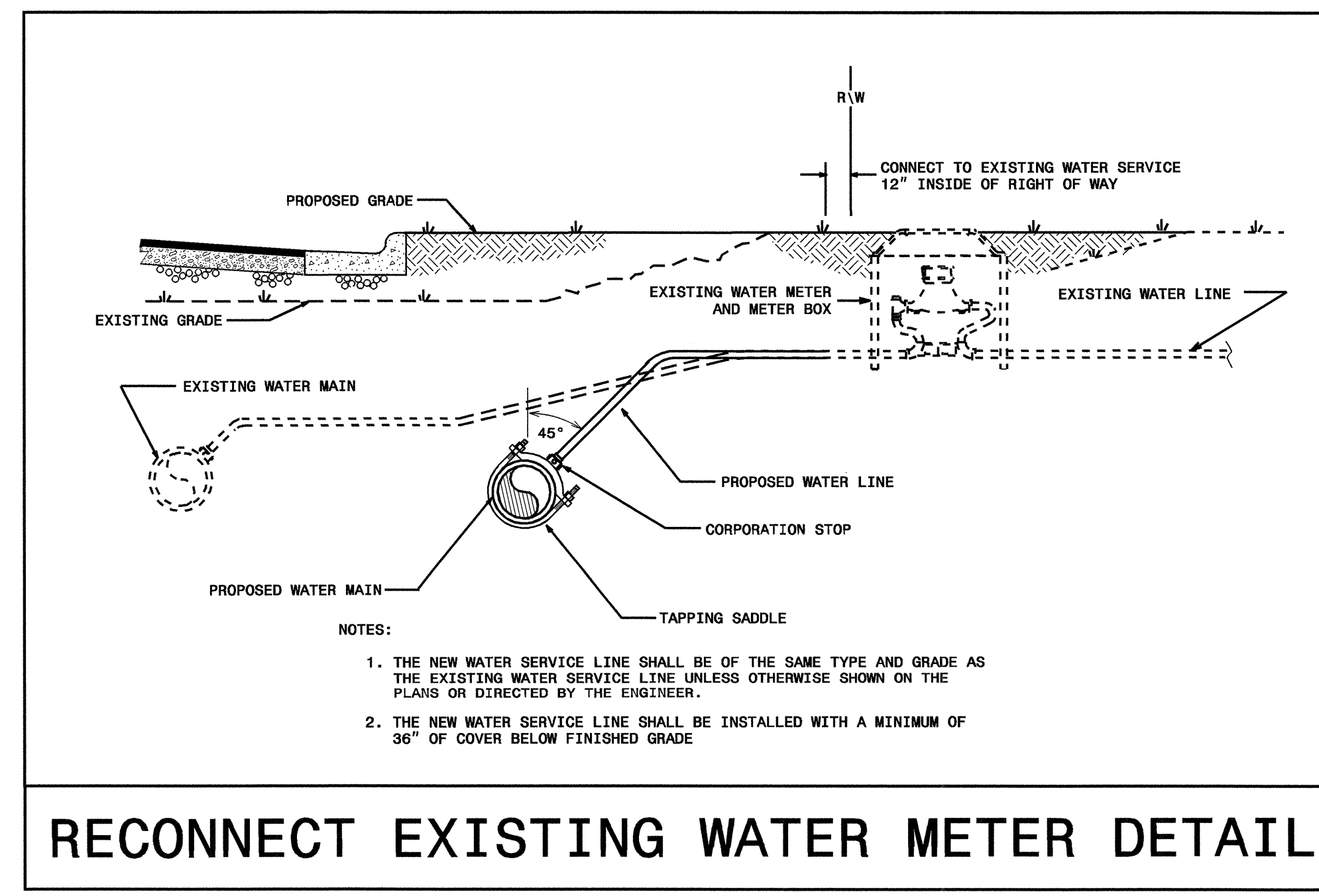
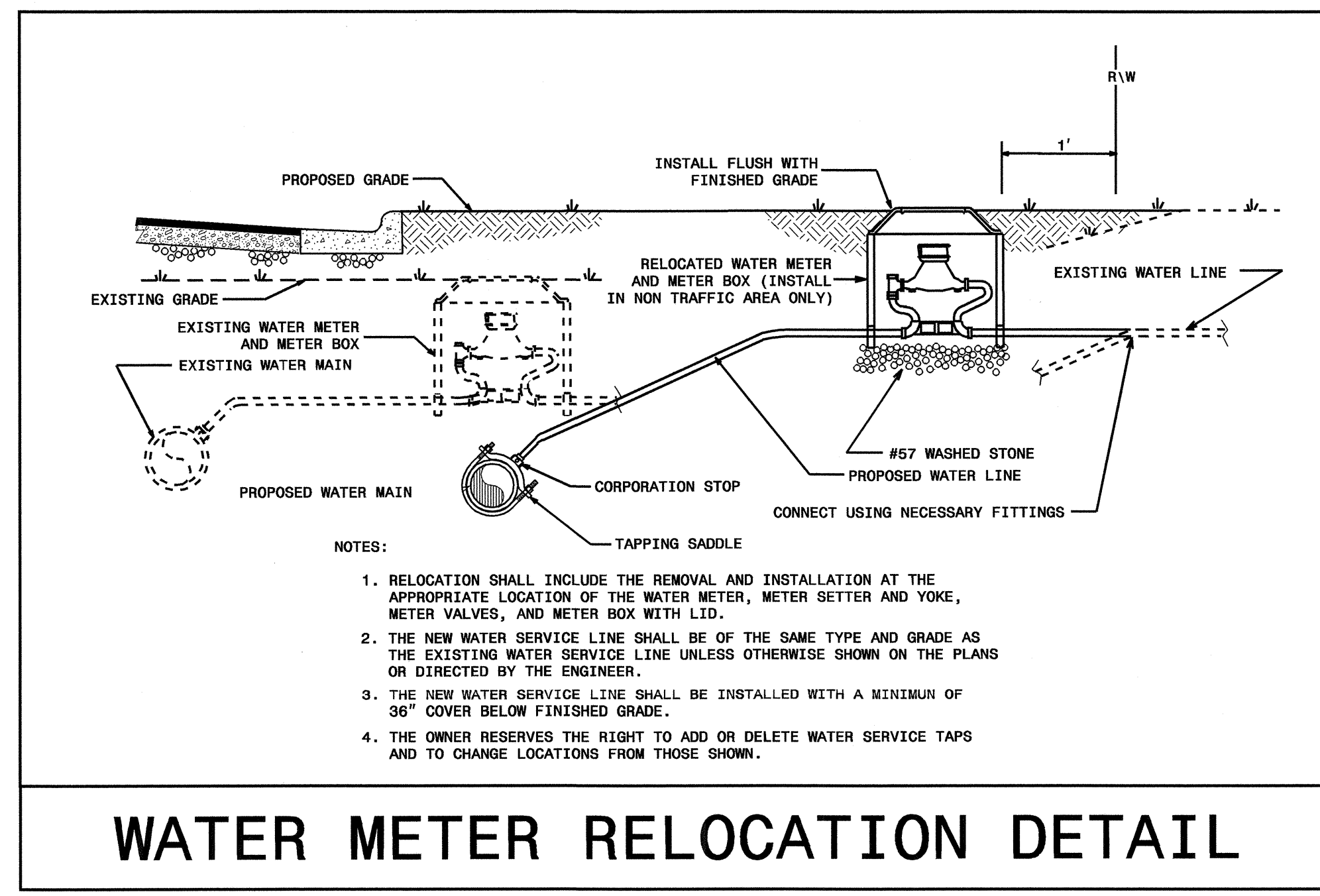
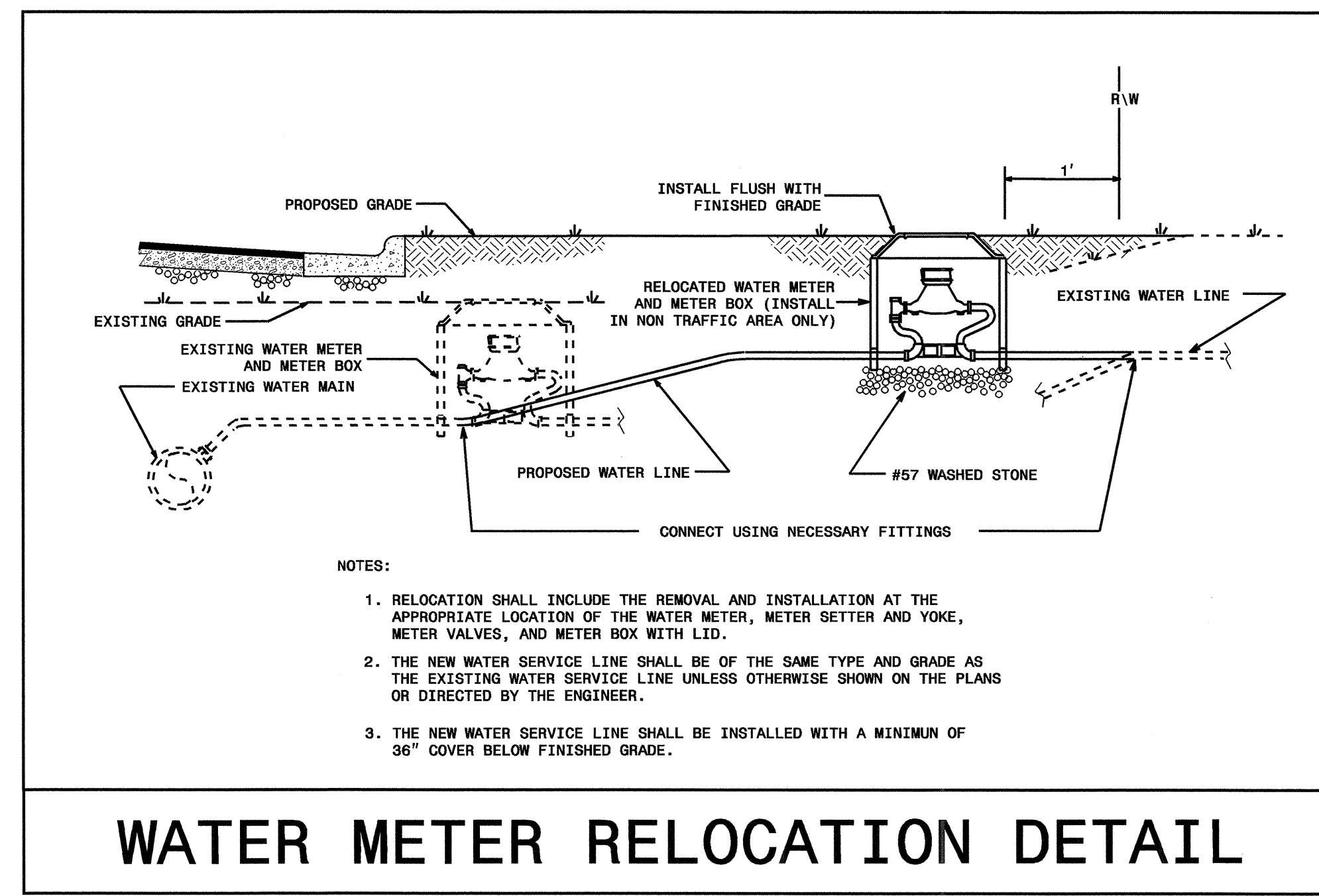
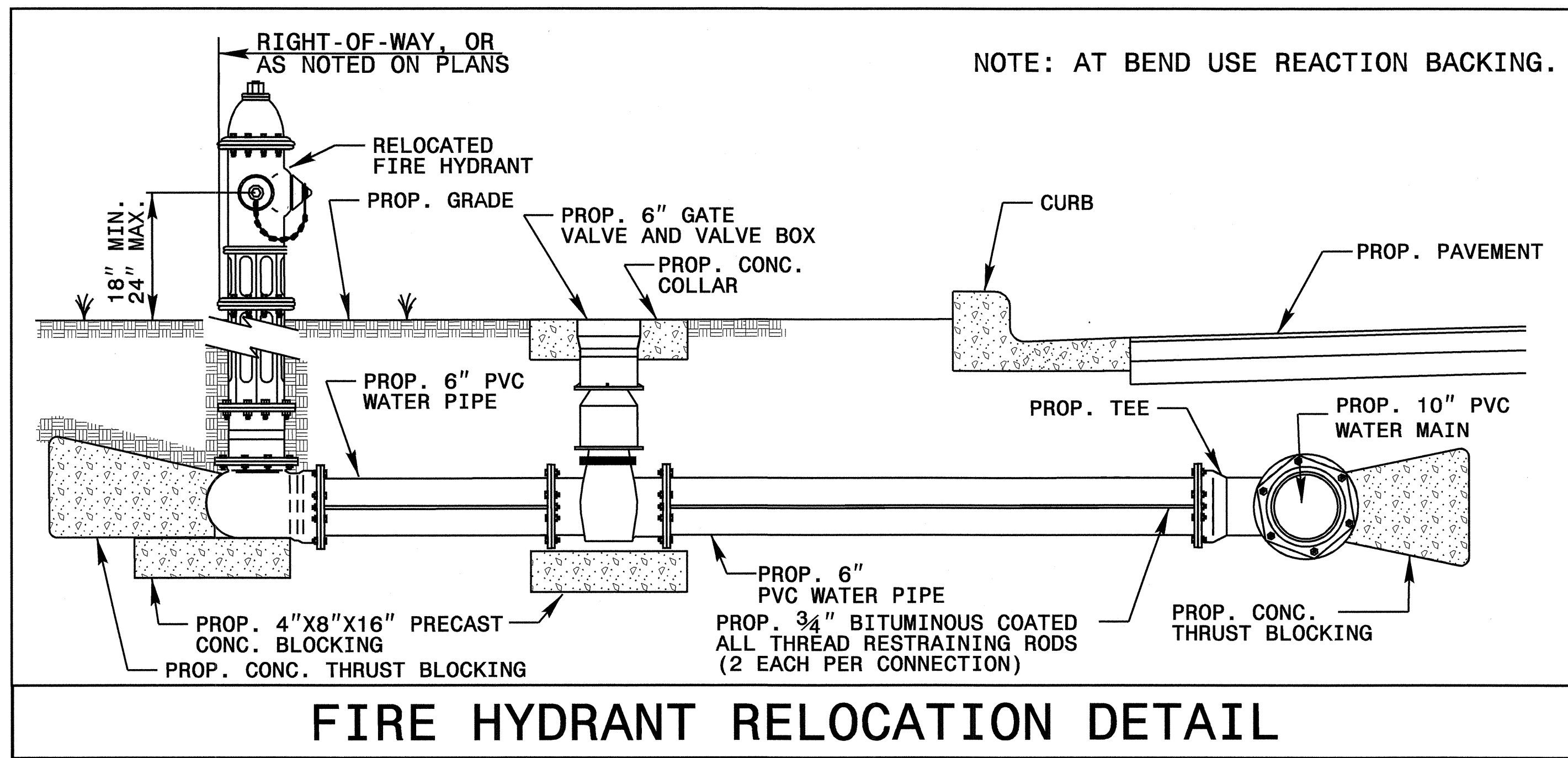
WATER PIPE CROSSING STORM DRAIN



THRUST COLLAR DETAIL

PROJECT REFERENCE NO.	SHEET NO.
R-3415	UC-7
DESIGNED BY: MDS	
DRAWN BY: MDS	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DESIGN SERVICES UNIT PHONE: (919) 250-4128 FAX: (919) 250-4119	
UTILITY CONSTRUCTION PLANS ONLY	

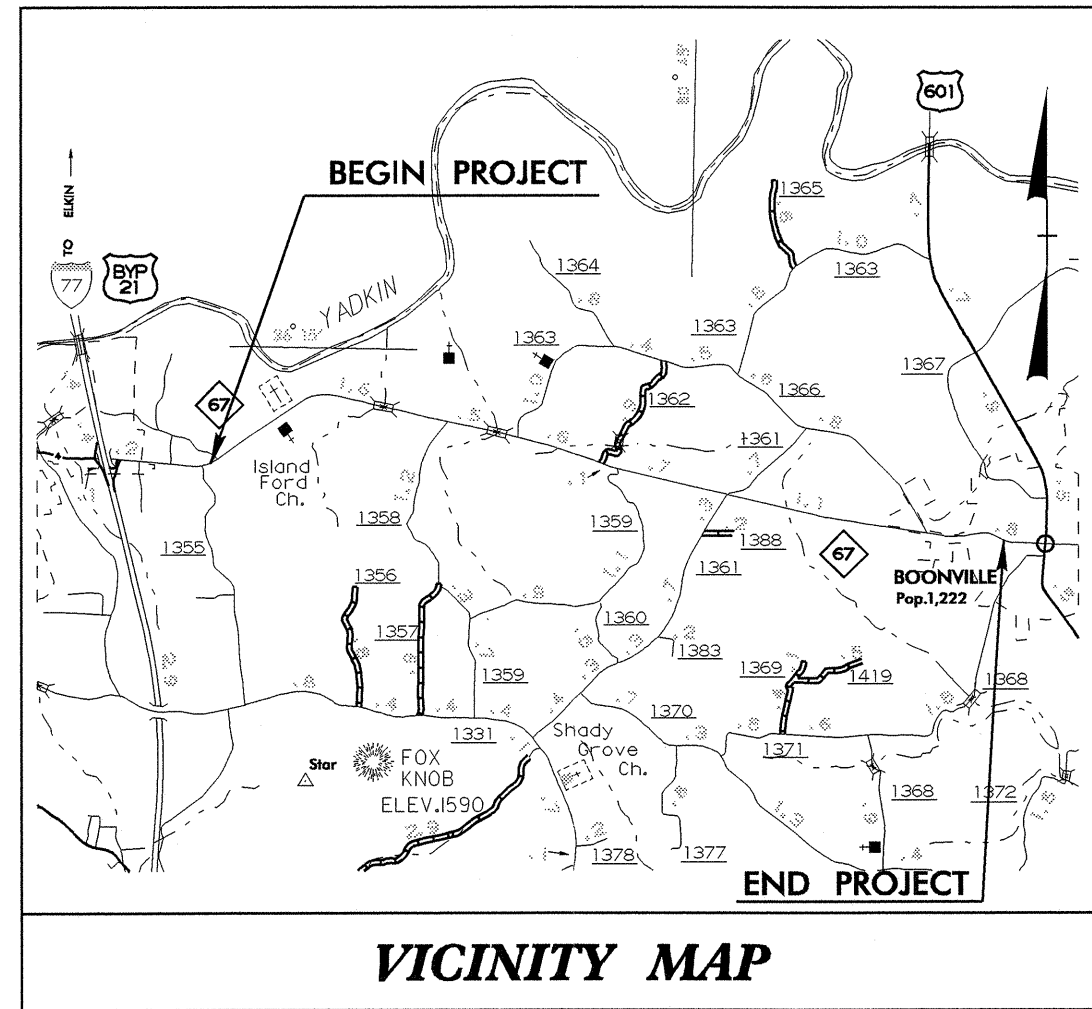
UTILITY CONSTRUCTION



See Sheet 1-A For Index of Sheets

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

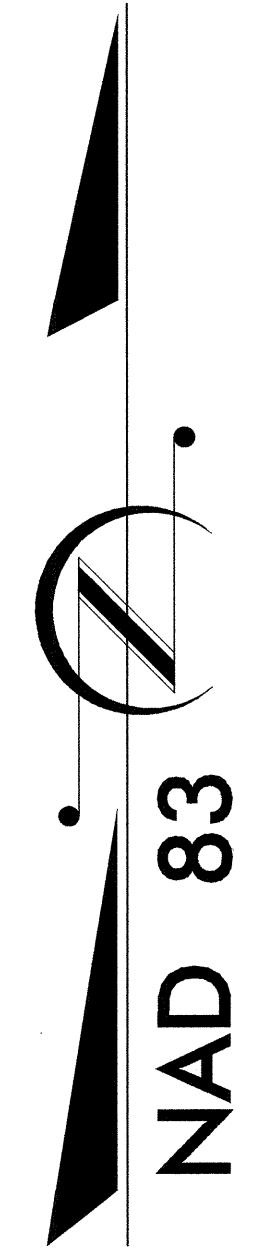
T.I.P. NO.	SHEET NO.
R-3415	UO-1



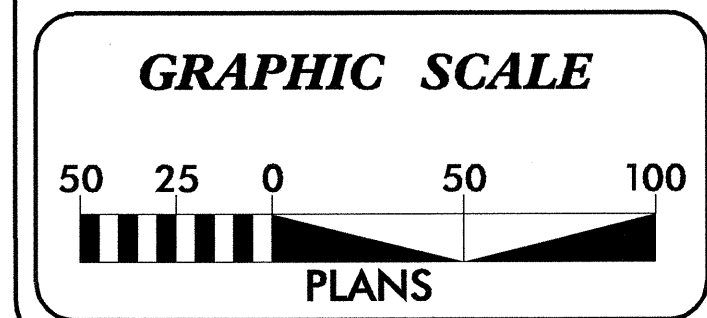
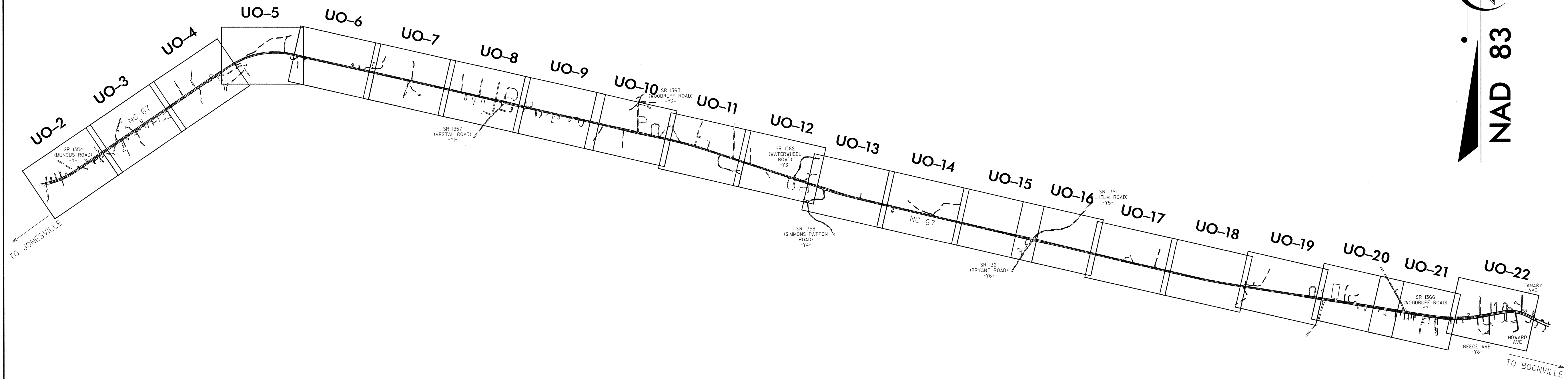
**UTILITIES BY OTHERS PLANS
YADKIN COUNTY**

**LOCATION: NC 67 FROM SR 1355 (MESSICK ROAD)
TO JUST WEST OF BOONVILLE**

TYPE OF WORK: UTILITIES BY OTHERS RELOCATION



TIP: R-3415



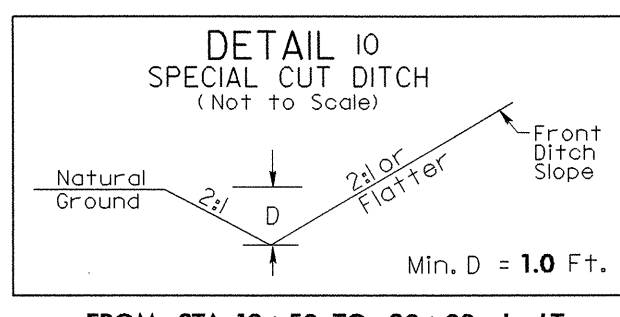
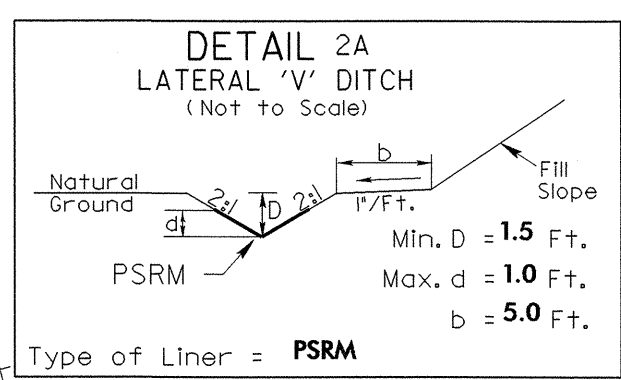
INDEX OF SHEETS	
<u>SHEET NO.</u>	<u>DESCRIPTION</u>
UC-1	TITLE SHEET
UO-2 THRU UO-22	UTILITIES BY OTHERS PLAN SHEETS

UTILITIES BY OTHERS ON PROJECT
(1) DUKE POWER COMPANY
(2) SURRY YADKIN EMC
(3) SPRINT TELEPHONE
(4) FRONIER ENERGY

UTILITIES BY OTHERS

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

NOTE
FOR -L- PROFILE SEE SHEET 25
FOR -Y- PROFILE SEE SHEET 35
ALL DRIVEWAY RADII ARE 15' UNLESS NOTED

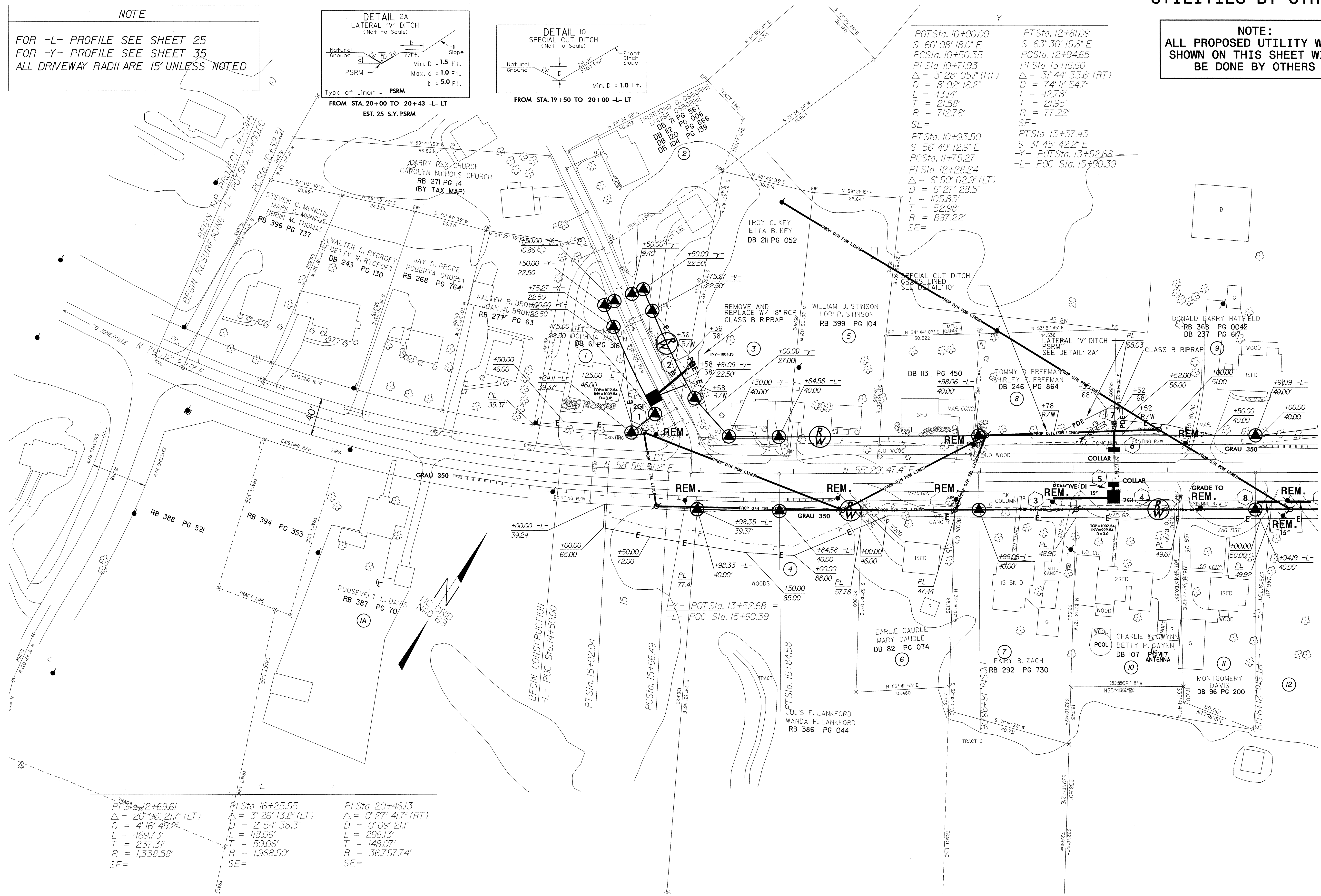


POTSta. 10+00.00
S 60° 08' 18.0" E
PCSta. 10+50.35
PI Sta 10+71.93
Δ = 3° 28' 05.1" (RT)
D = 8° 02' 18.2"
L = 43.14'
T = 21.58'
R = 712.78'
SE =

PTSta. 12+81.09
S 63° 30' 15.8" E
PCSta. 12+94.65
PI Sta 13+16.60
Δ = 3° 44' 33.6" (RT)
D = 7° 41' 54.7"
L = 42.78'
T = 21.95'
R = 77.22'
SE =

PTSta. 10+93.50
S 56° 40' 12.9" E
PCSta. 11+75.27
PI Sta 12+28.24
Δ = 6° 50' 02.9" (LT)
D = 6° 27' 28.5"
L = 105.83'
T = 52.98'
R = 887.22'
SE =

PTSta. 13+37.43
S 31° 45' 42.2" E
-Y- POTSta. 13+52.68 =
-L- POC Sta. 15+90.39



PI Sta 12+69.61 Δ = 20° 06' 21.7" (LT) D = 4° 16' 49.2" L = 469.73' T = 237.31' R = 1,338.58' SE =	PI Sta 16+25.55 Δ = 3° 26' 13.8" (LT) D = 2° 54' 38.3" L = 118.09' T = 59.06' R = 1,968.50' SE =	PI Sta 20+46.13 Δ = 0° 27' 41.7" (RT) D = 0° 09' 21.1" L = 296.13' T = 148.07' R = 36,757.74' SE =
--	--	--

8/17/99

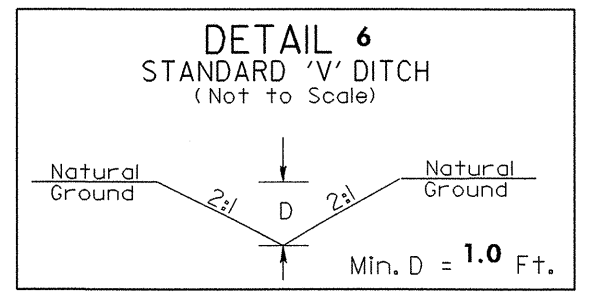
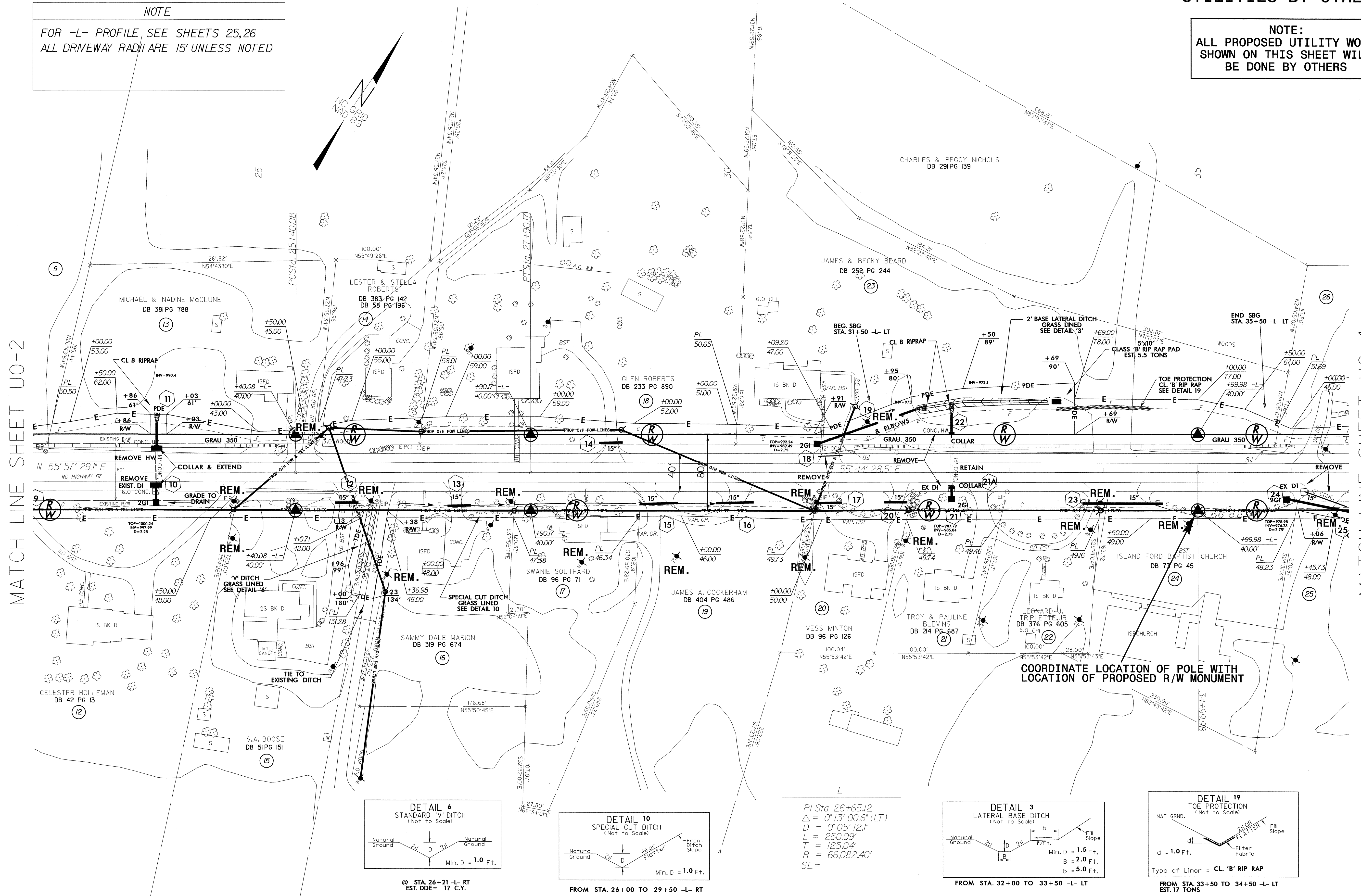
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MATCH LINE SHEET U0-3

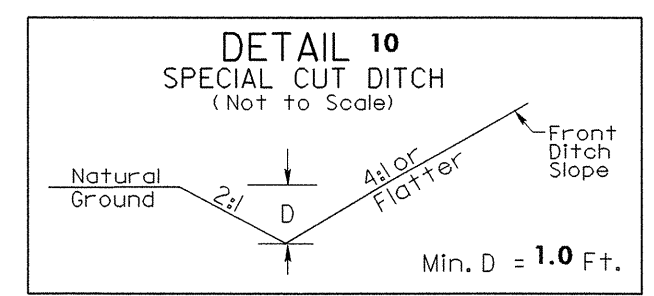
UTILITIES BY OTHERS

NOTE
FOR -L- PROFILE SEE SHEETS 25,26
ALL DRIVEWAY RADII ARE 15' UNLESS NOTED

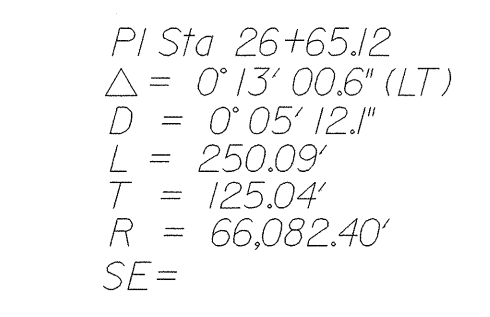
NOTE:
ALL PROPOSED UTILITY WORK
SHOWN ON THIS SHEET WILL
BE DONE BY OTHERS



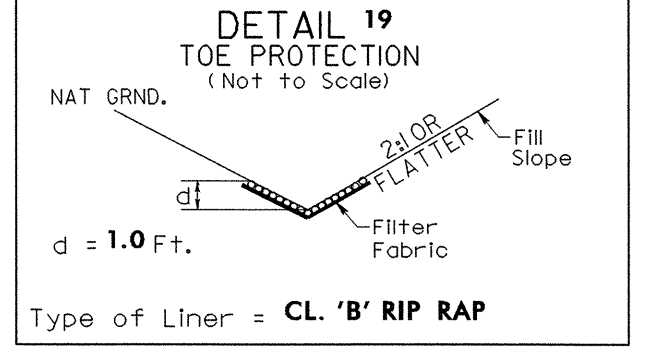
@ STA 26+21 -L- RT
EST. DDE = 17 C.Y.



FROM STA. 26+00 TO 29+50 -L- RT



FROM STA. 32+00 TO 33+50 -L- LT



FROM STA. 33+50 TO 34+50 -L- LT
EST. 17 TONS

8/17/99

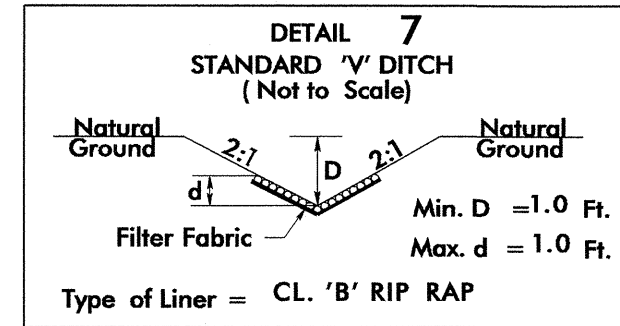
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UTILITIES BY OTHERS

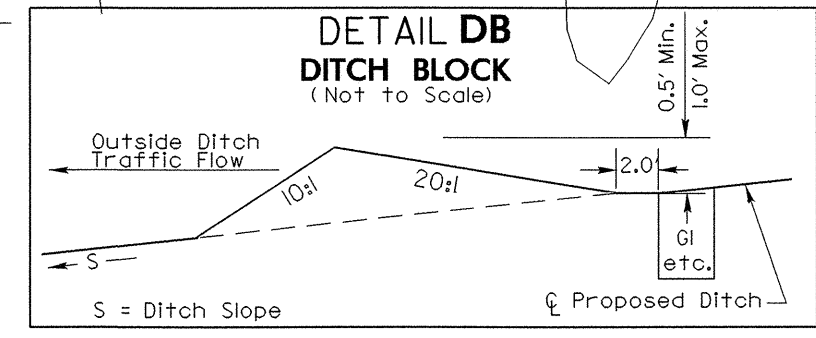
NOTE:
ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS

NOTE
FOR -L- PROFILE SEE SHEET 26
FOR -DI- PROFILE SEE SHEET 38
ALL DRIVEWAY RADII ARE 15' UNLESS NOTED

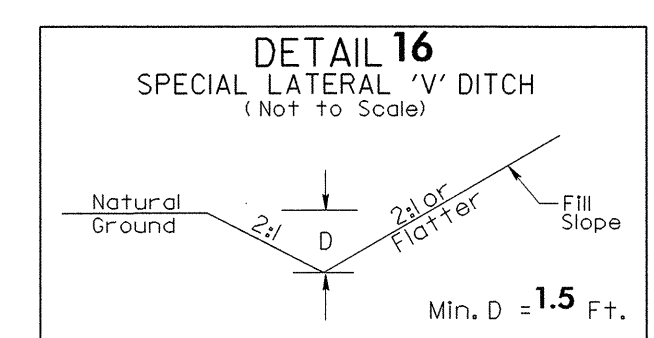
-DI-
POTSta. 10+00.00
S 23° 50' 56.9" E
PCSta. 11+36.42
PI Sta 11+59.78
 $\Delta = 10' 15" 52.5" (LT)$
 $D = 22' 02" 12.6"$
 $L = 46.58'$
 $T = 23.35'$
 $R = 260.00'$
PTSta. 11+83.00
S 34° 06' 49.4" E
POTSta. 11+89.61



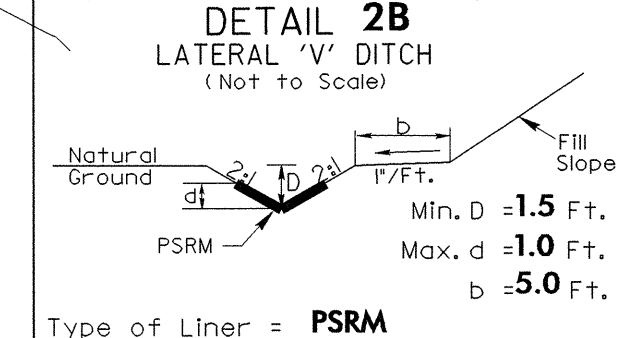
@ STA. 44+90 -L- RT
EST. 5 TONS



@ STA. 44+92 -L- LT
@ STA. 47+03 -L- LT



FROM STA. 47+50 TO 50+35 -L RT

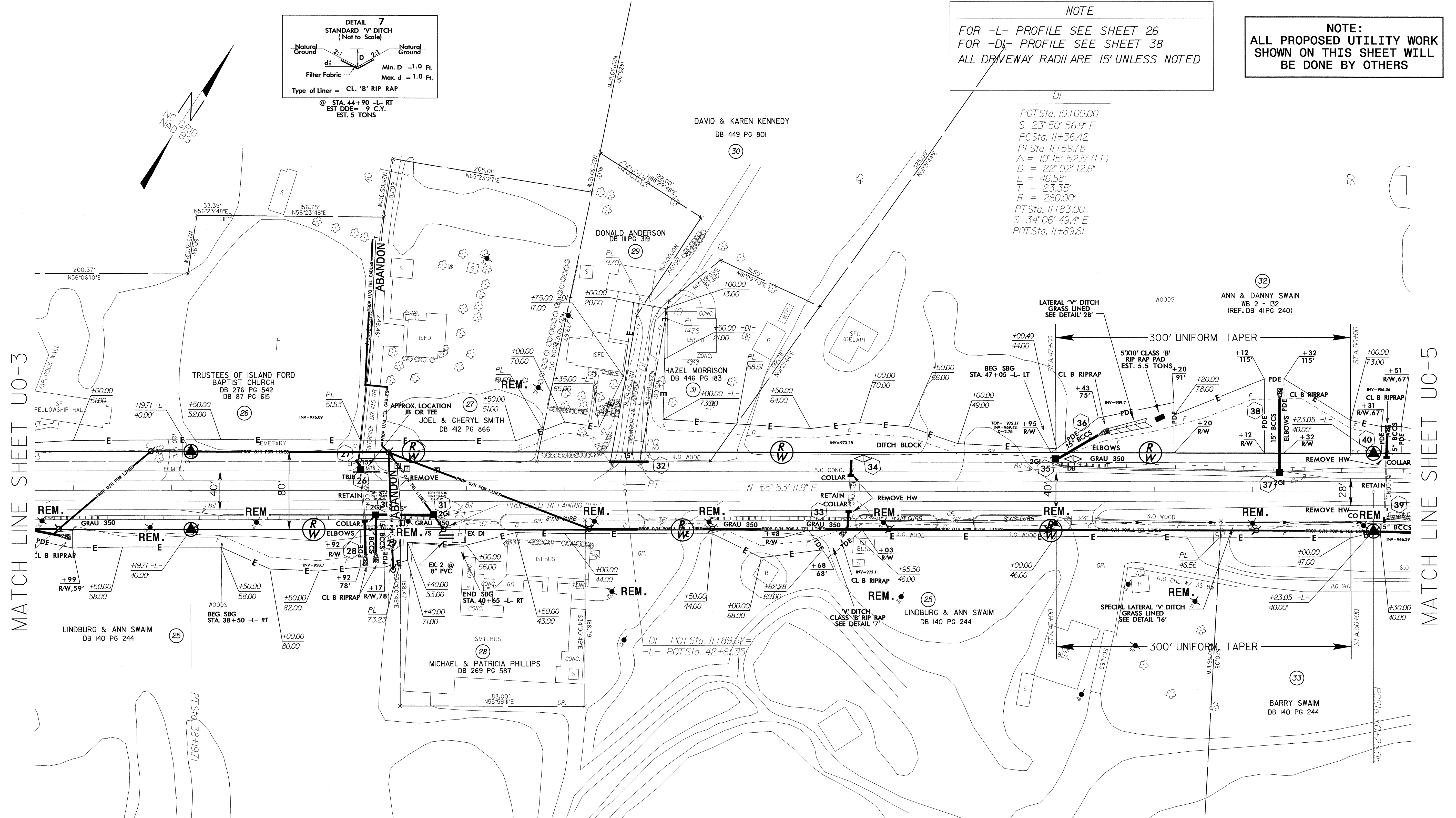


FROM STA. 47+40 TO 48+02 -L- LT
EST. 45 S.Y. PSRM

MATCH LINE SHEET UO-3

MATCH LINE SHEET UO-5

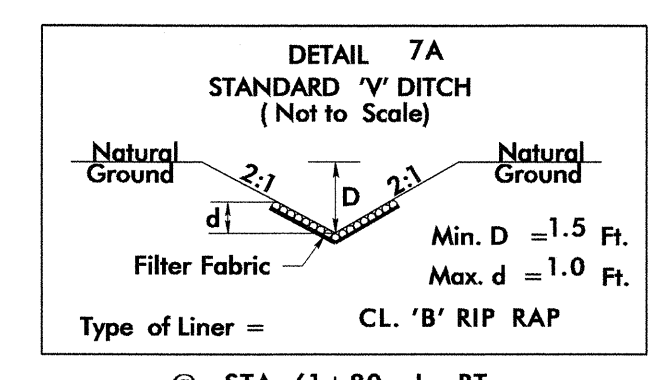
8/17/99
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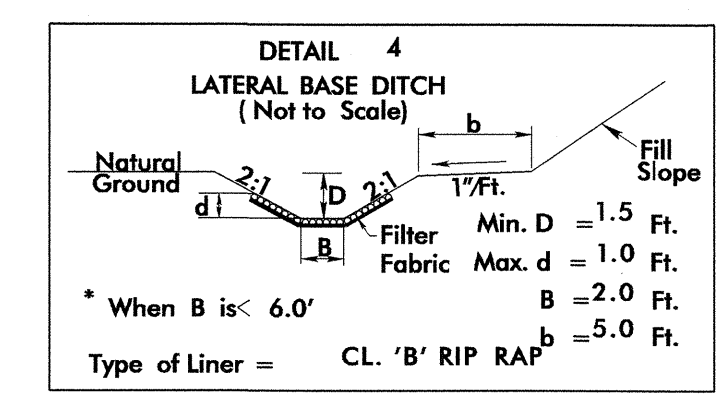
UTILITIES BY OTHERS

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

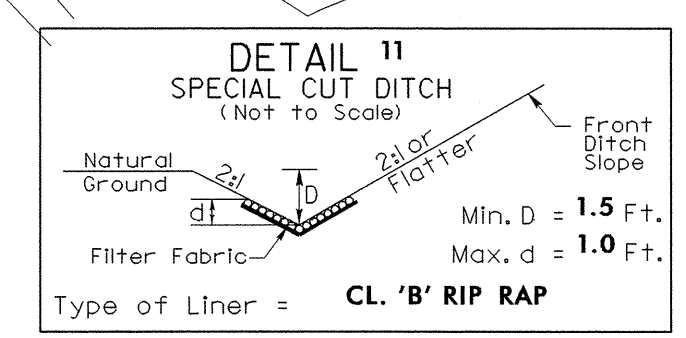
NOTE
FOR -L- PROFILE SEE SHEET 26
ALL DRIVEWAY RADII ARE 15' UNLESS NOTED



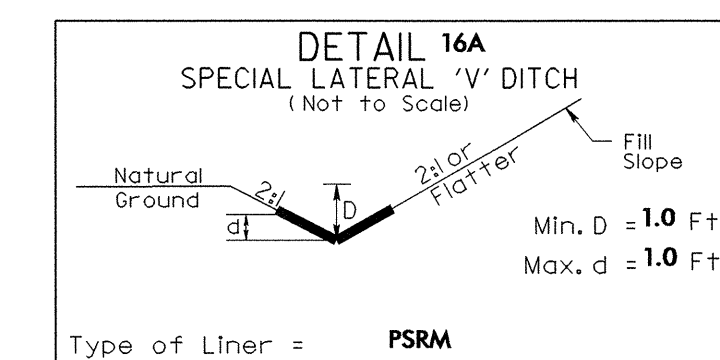
@ STA. 61+80 -L- RT
EST. 13 TONS
DDE = EST. 43 C.Y.
EST. 27 S.Y.F.F.



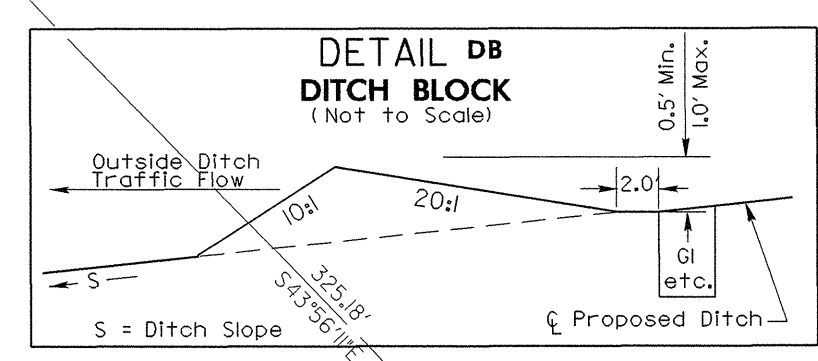
FROM STA. 61+00 TO 61+85 -L- LT
EST. 30 TONS
EST. 57 S.Y.F.F.



FROM STA. 56+00 TO 56+82 -L- RT
EST. 22 TONS
EST. 45 S.Y.F.F.

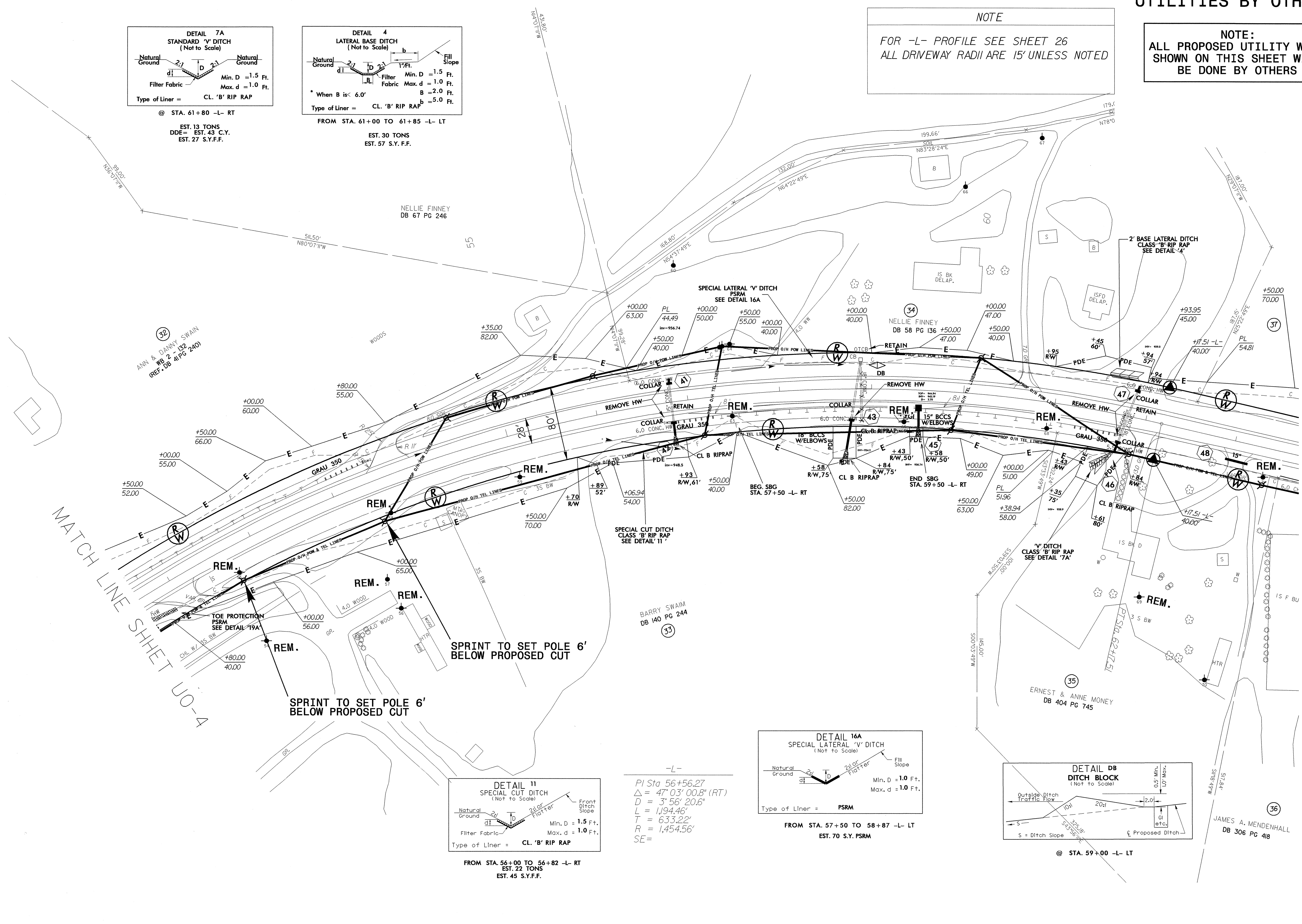


FROM STA. 57+50 TO 58+87 -L- LT
EST. 70 S.Y.F.F.



@ STA. 59+00 -L- LT

-L-
PI Sta 56+56.27
Δ = 47° 03' 00.8" (RT)
D = 3' 56" 20.6"
L = 1,194.46'
T = 633.22'
R = 1,454.56'
SE =



MATCH LINE SHEET U0-4

MATCH LINE SHEET U0-6

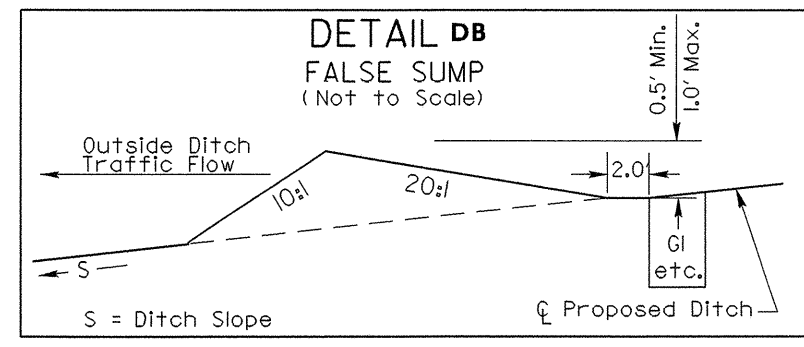
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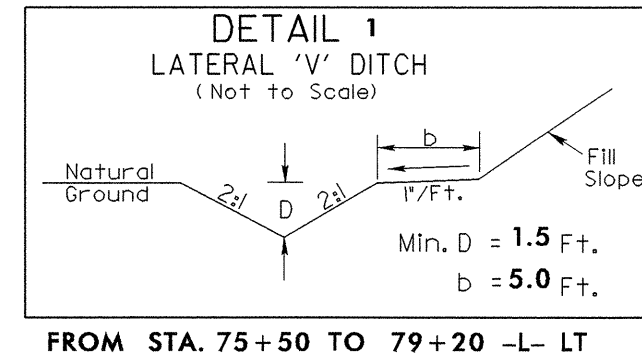
UTILITIES BY OTHERS

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

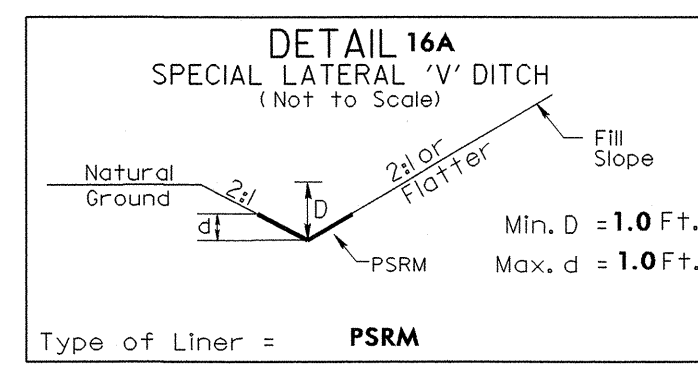
NOTE
FOR -L- PROFILE SEE SHEETS 26,27
ALL DRIVEWAY RADII ARE 15' UNLESS NOTED



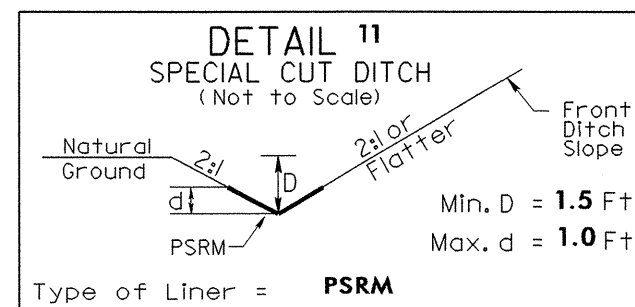
@ STA. 65+90 -L- LT
@ STA. 69+25 -L- LT
@ STA. 71+98 -L- LT



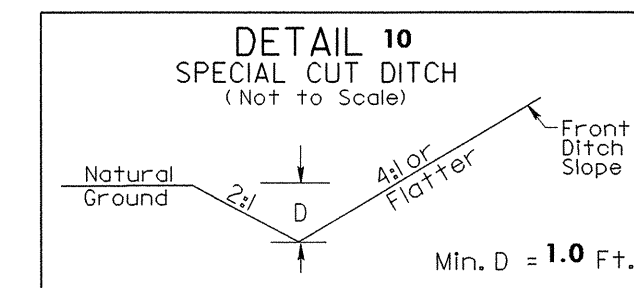
FROM STA. 75+50 TO 79+20 -L- LT



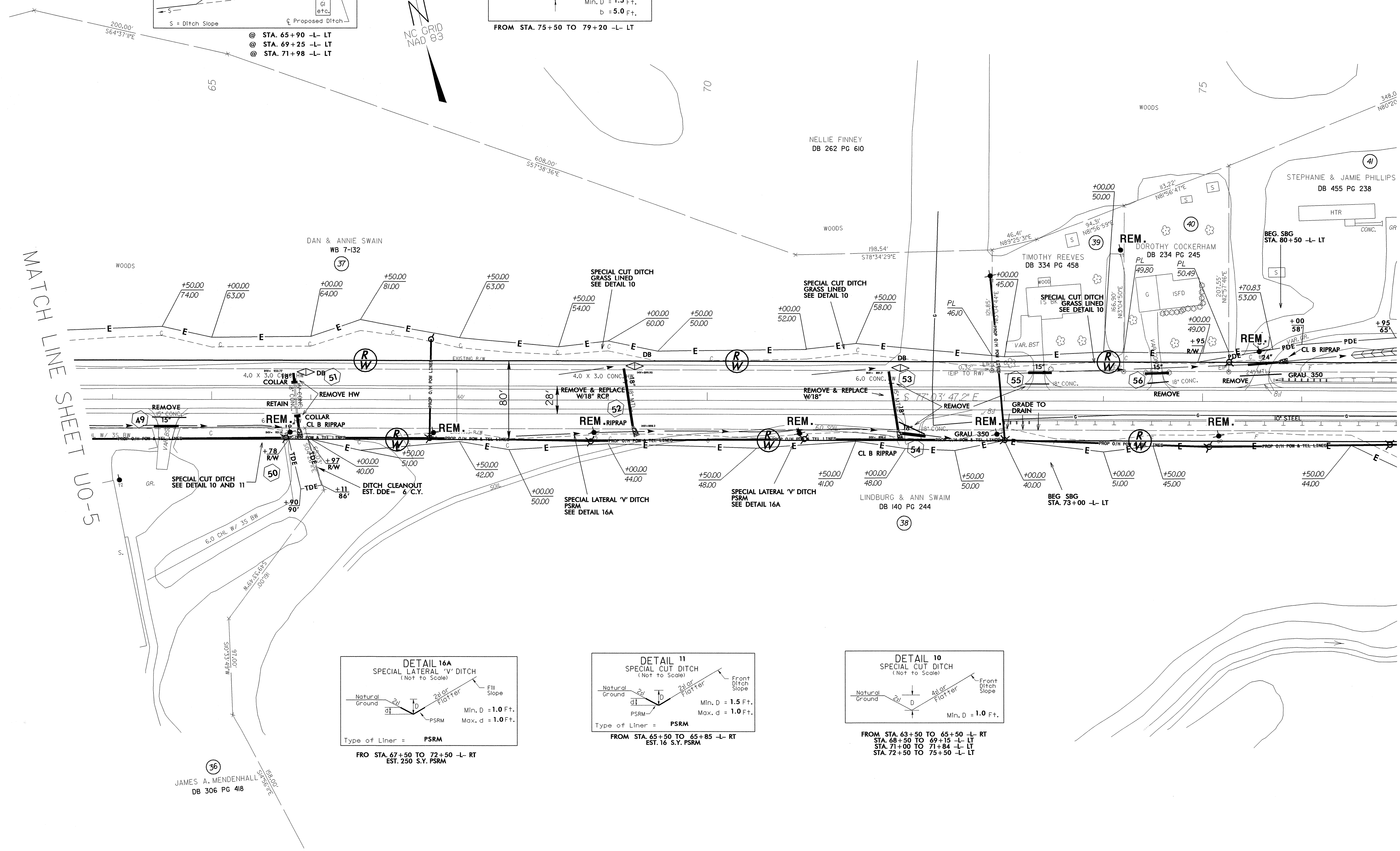
FROM STA. 67+50 TO 72+50 -L- RT
EST. 250 S.Y. PSRM



FROM STA. 65+50 TO 65+85 -L- RT
EST. 16 S.Y. PSRM



FROM STA. 63+50 TO 65+50 -L- RT
STA. 68+50 TO 69+15 -L- LT
STA. 71+00 TO 71+84 -L- LT
STA. 72+50 TO 75+50 -L- LT

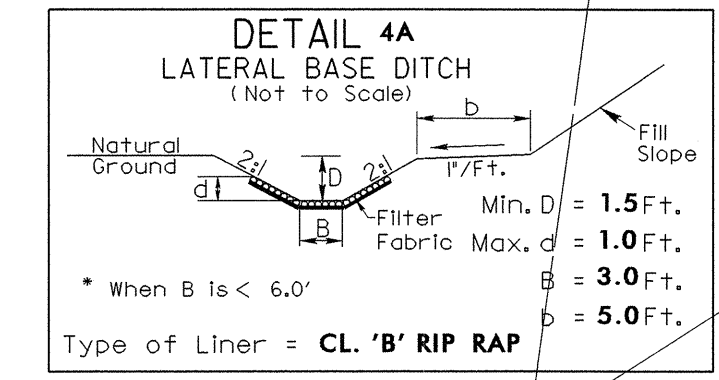


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JAMES MENDENHALL

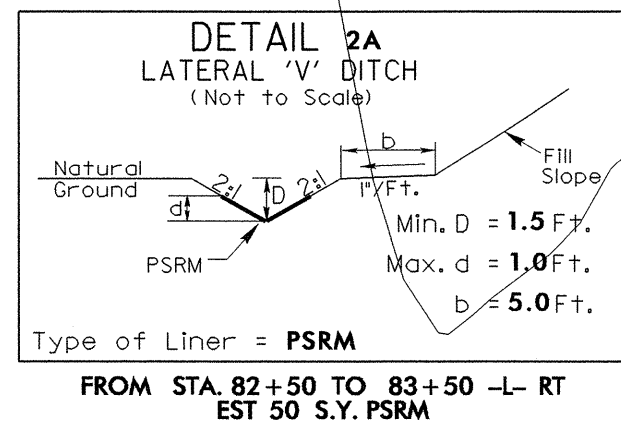
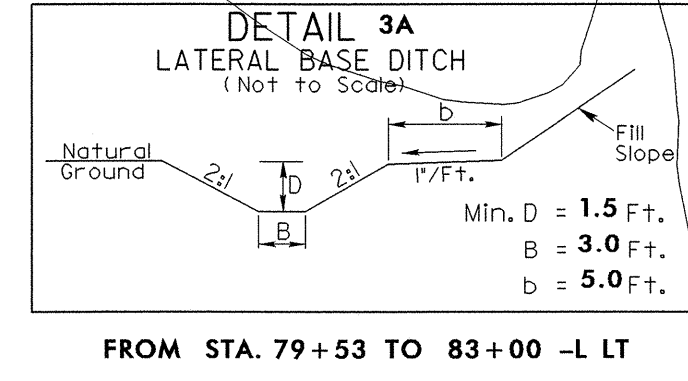
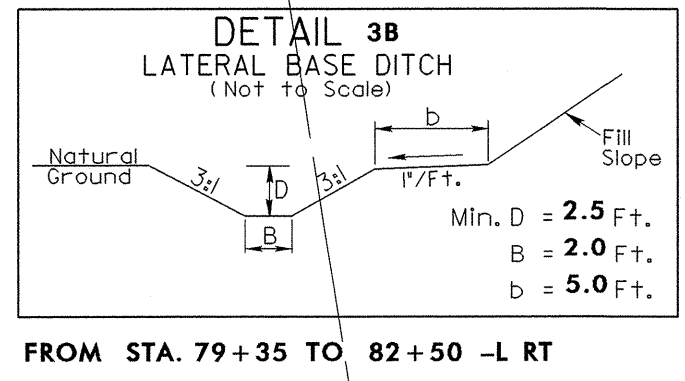
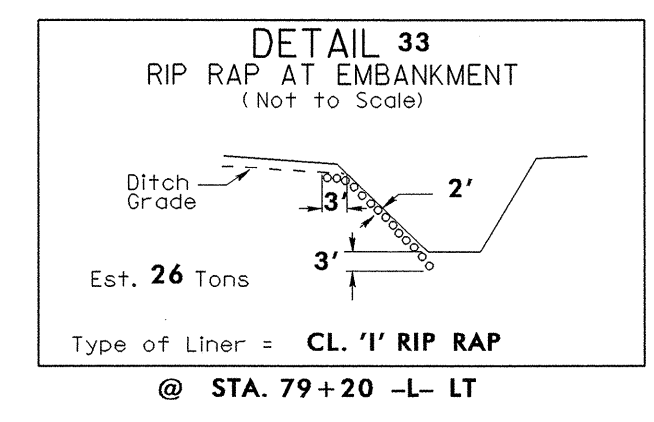
UTILITIES BY OTHERS

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

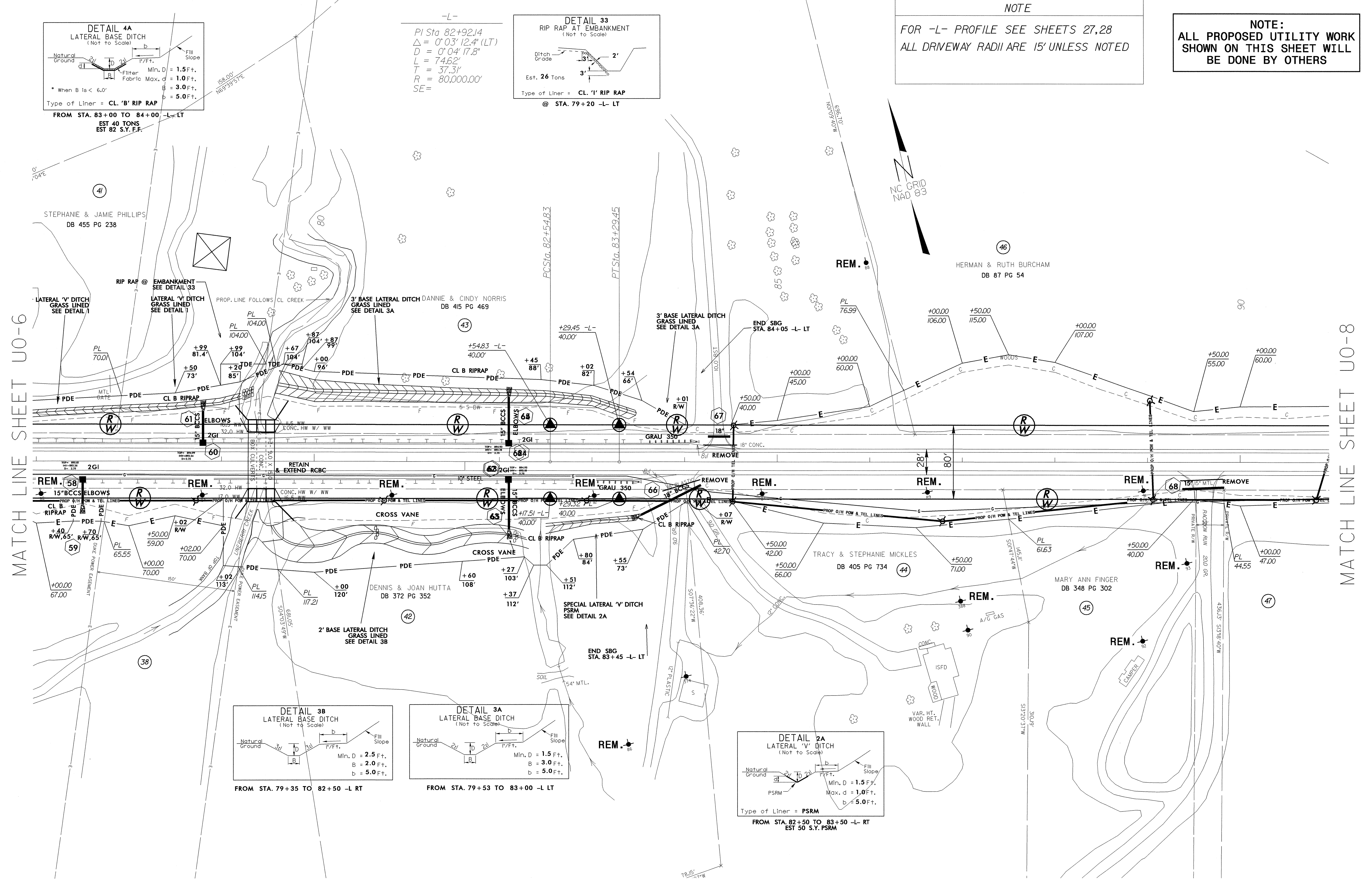
NOTE
FOR -L- PROFILE SEE SHEETS 27,28
ALL DRIVEWAY RADII ARE 15' UNLESS NOTED



-L-
PI Sta 82+92.14
 $\Delta = 0' 03' 12.4''$ (LT)
 $D = 0' 04' 17.8''$
 $L = 74.62'$
 $T = 37.31'$
 $R = 80,000.00'$
SE =



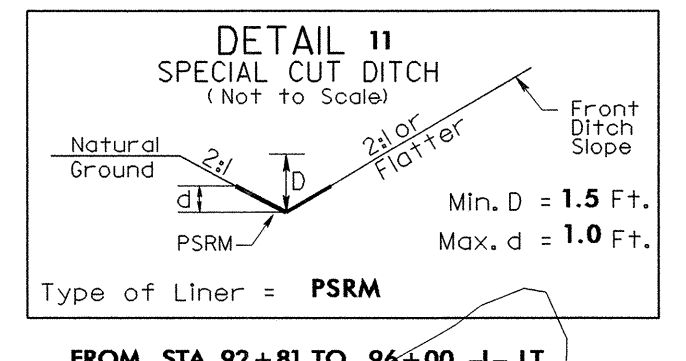
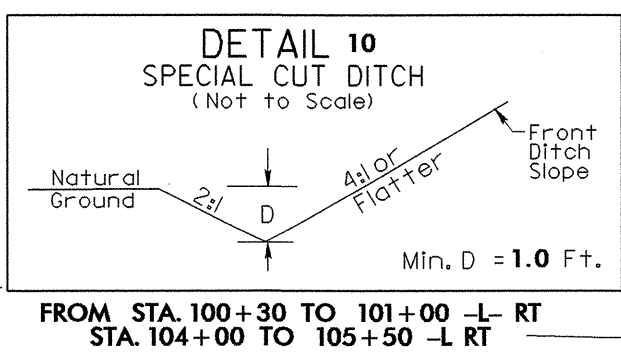
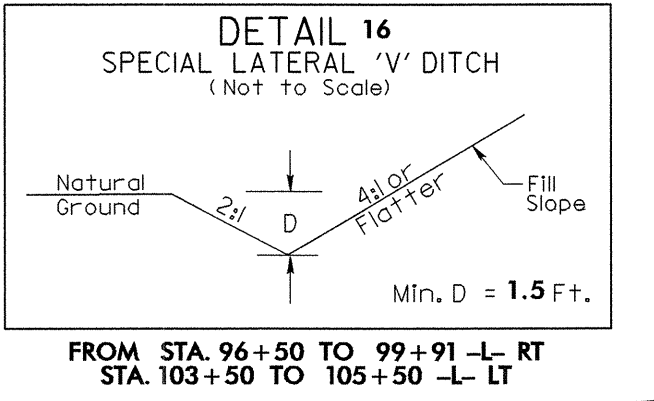
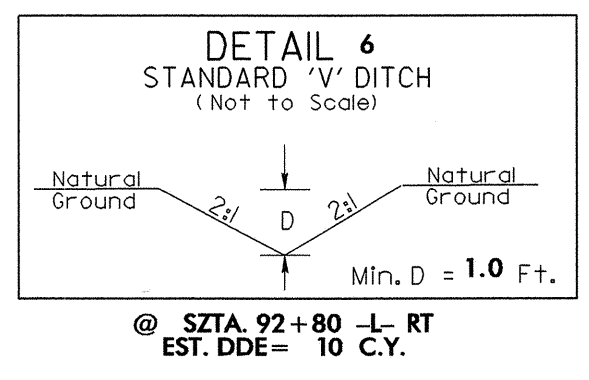
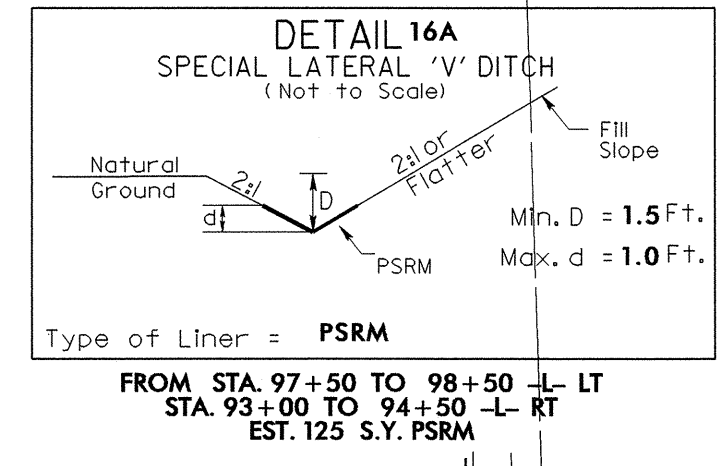
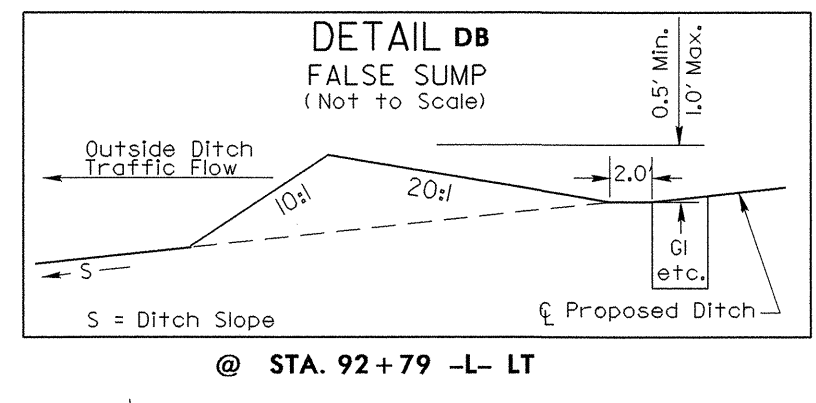
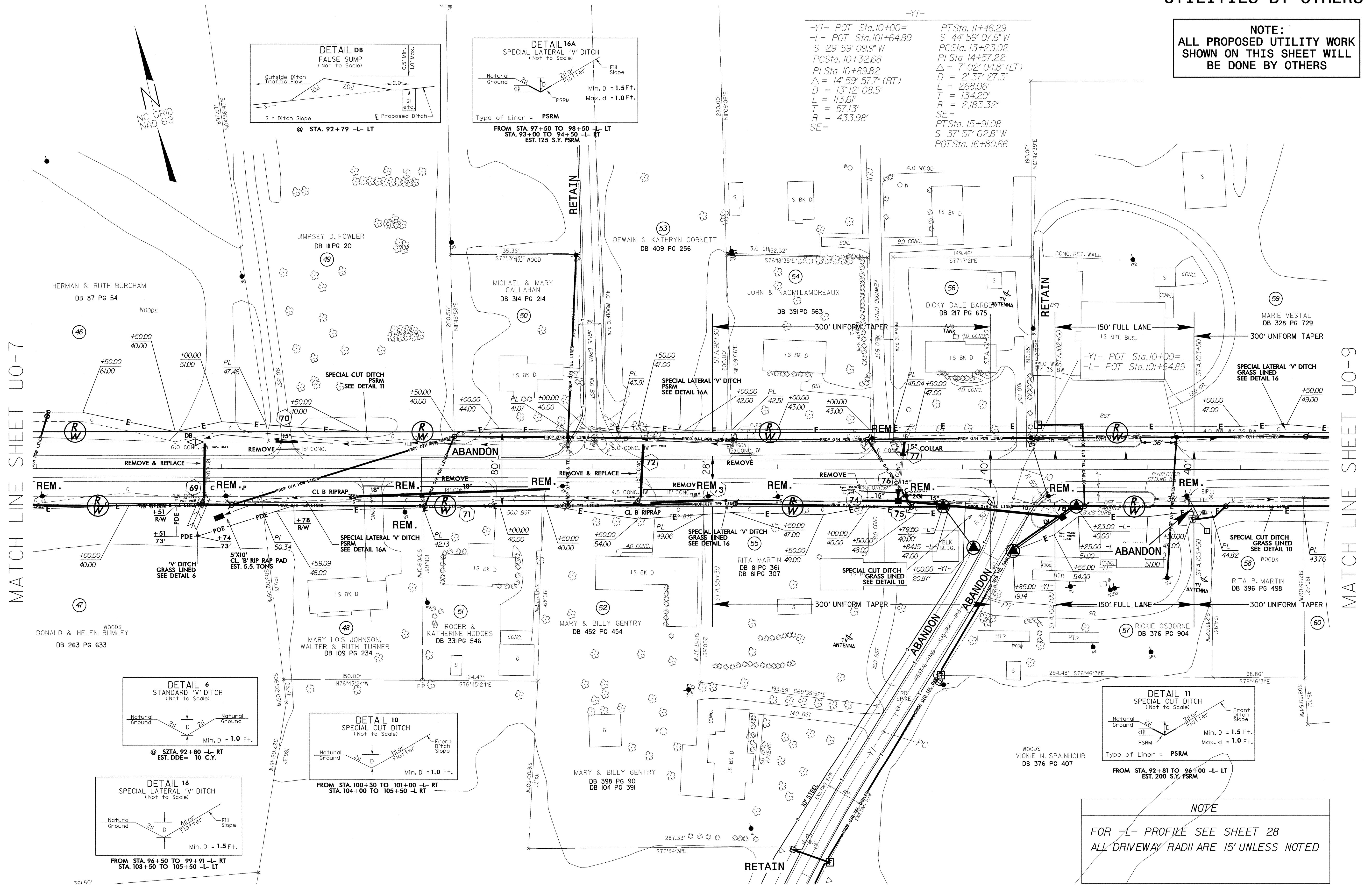
8/17/99
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UTILITIES BY OTHERS

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

-YI- POT Sta.10+00= PT Sta.11+46.29
 -L- POT Sta.101+64.89 S 44°59'07.6"W
 S 29°59'09.9"W PCSta.13+23.02
 PCSta.10+32.68 PI Sta.14+57.22
 PI Sta.10+89.82 Δ = 7°02'04.8" (LT)
 Δ = 14°59'57.7" (RT) D = 2°37'27.3"
 D = 13°12'08.5" L = 268.06'
 L = 113.61' T = 134.20'
 R = 2,183.32'
 T = 57.13' SE =
 R = 433.98'
 SE =
 PT Sta.15+91.08 S 37°57'02.8"W
 POT Sta.16+80.66



NOTE
FOR -L- PROFILE SEE SHEET 28
ALL DRIVEWAY RADII ARE 15' UNLESS NOTED

MATCH LINE SHEET U0-7

MATCH LINE SHEET U0-9

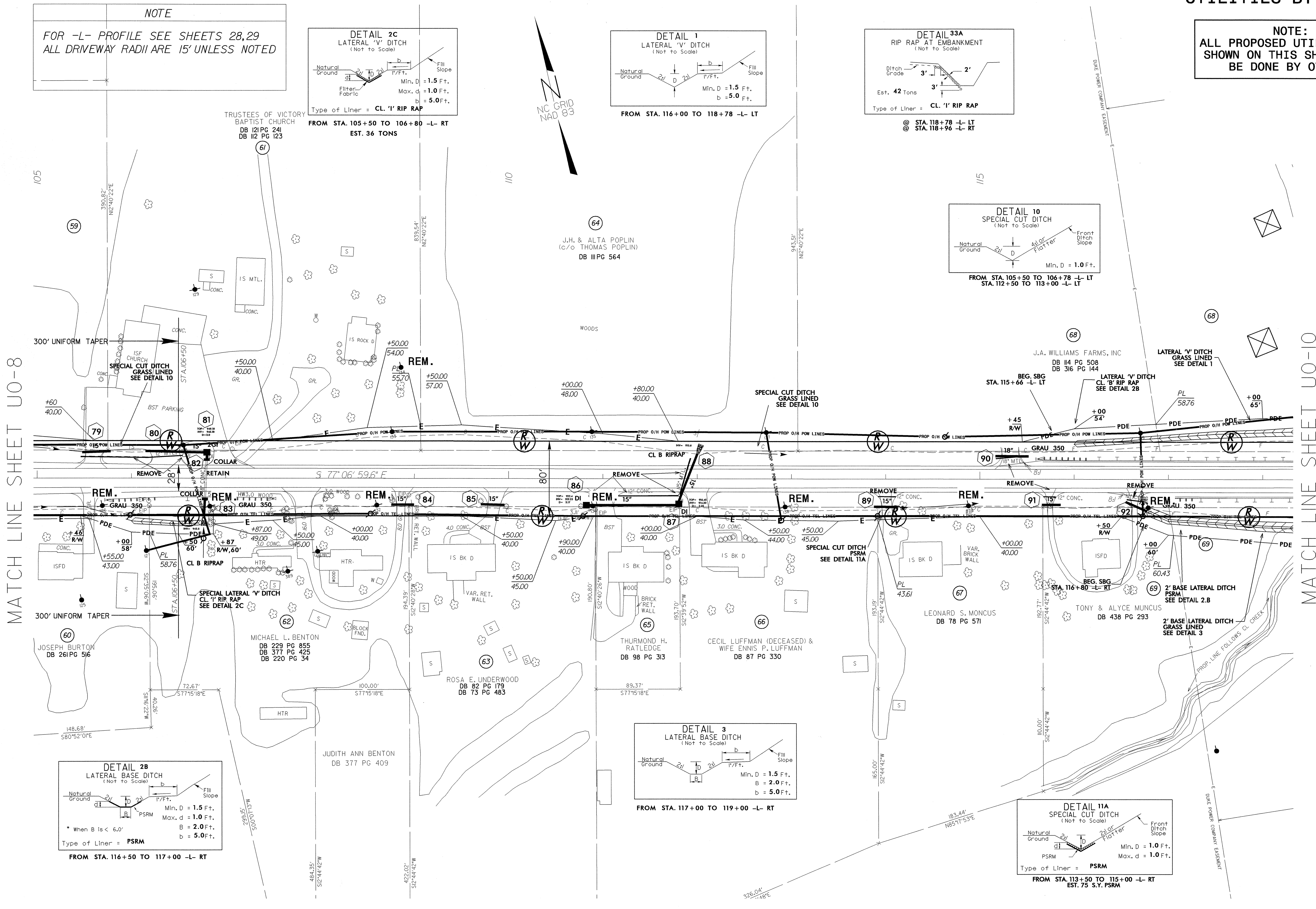
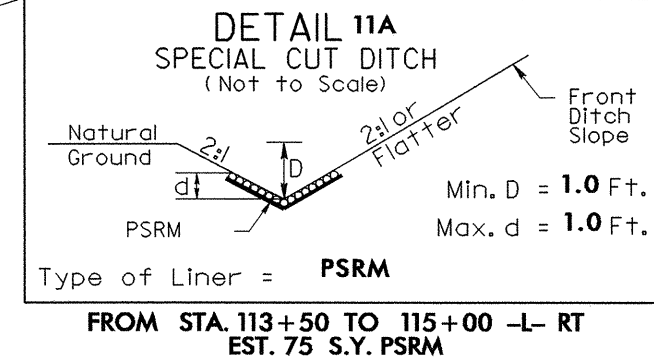
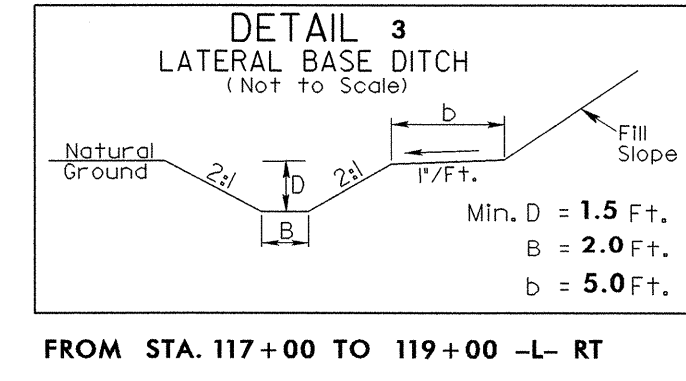
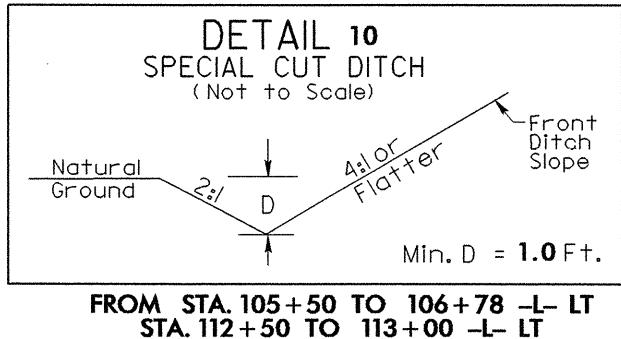
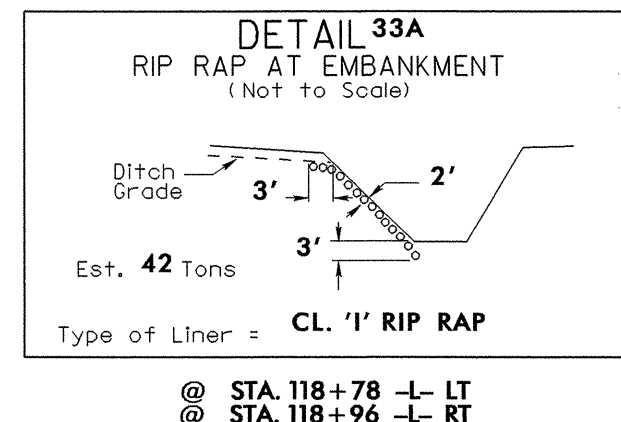
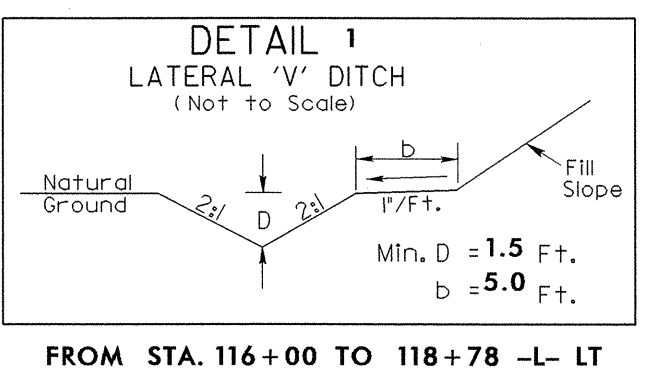
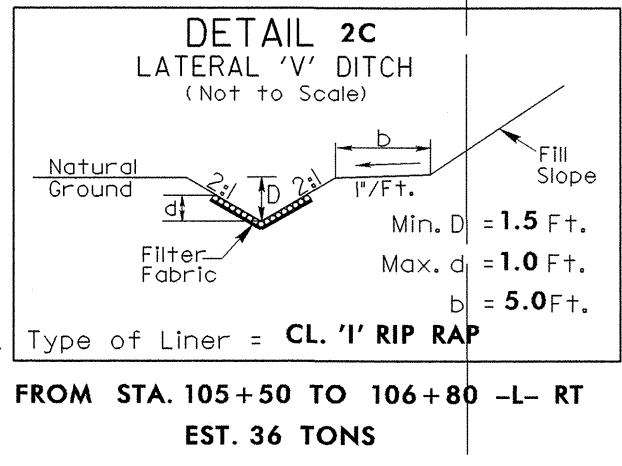
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UTILITIES BY OTHERS

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

NOTE
FOR -L- PROFILE SEE SHEETS 28,29
ALL DRIVEWAY RADII ARE 15' UNLESS NOTED



REVISIONS

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SUBMITTAL

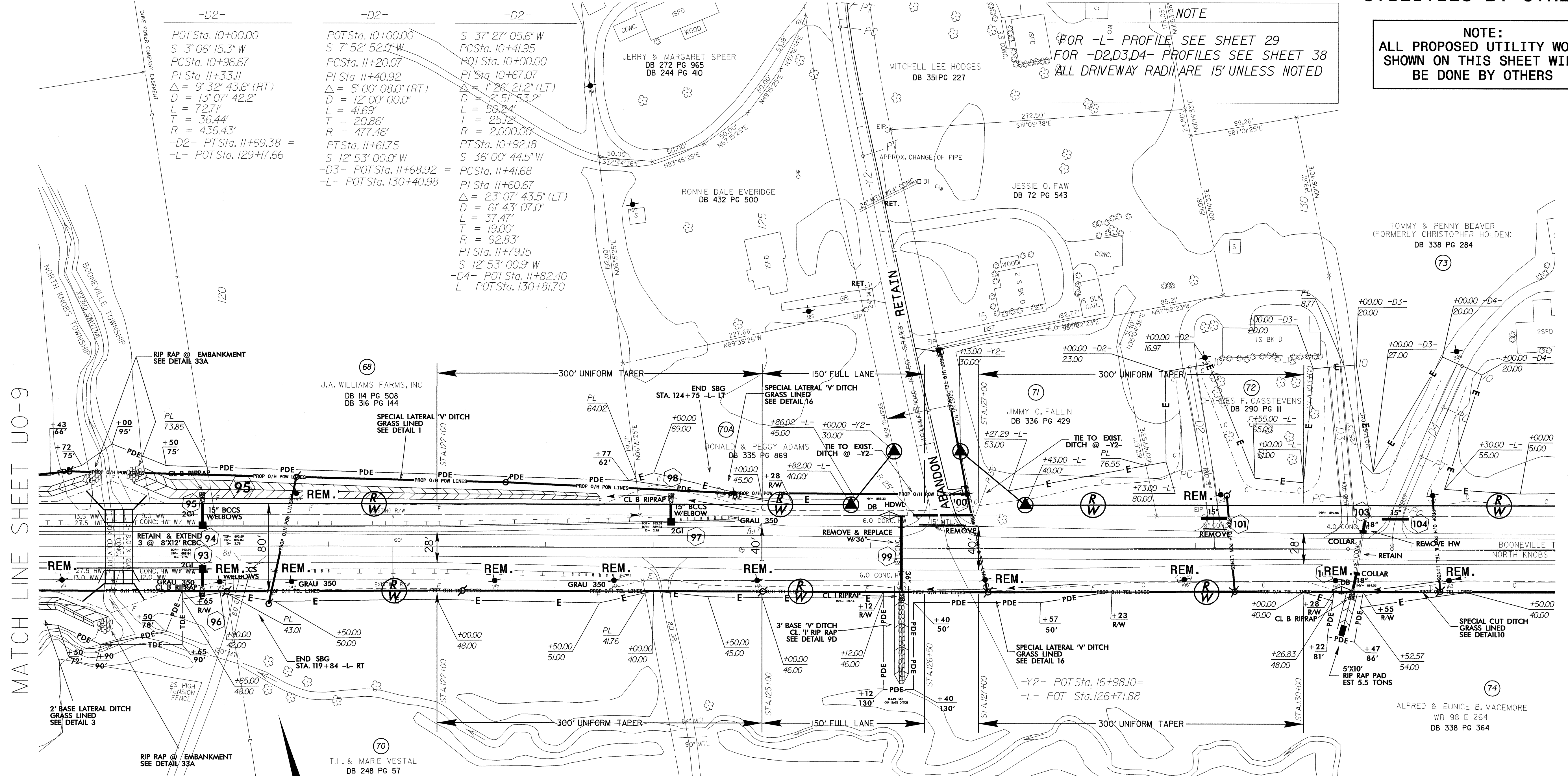
8/17/99

MATCH LINE SHEET U0-10

MATCH LINE SHEET U0-8

UTILITIES BY OTHERS

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



MATCH LINE SHEET U0-11

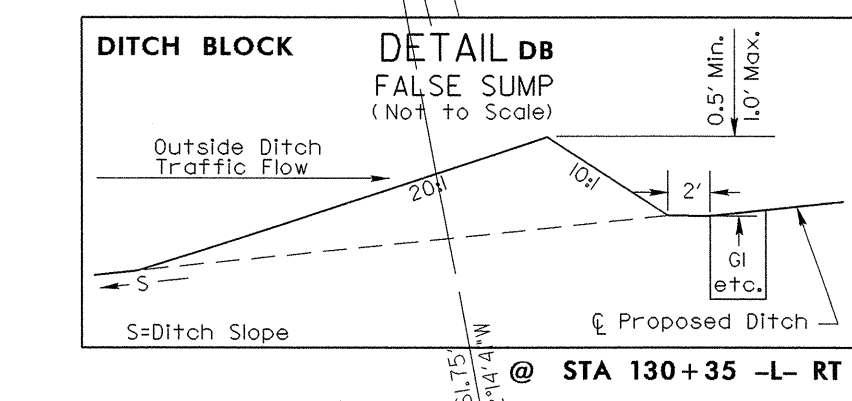
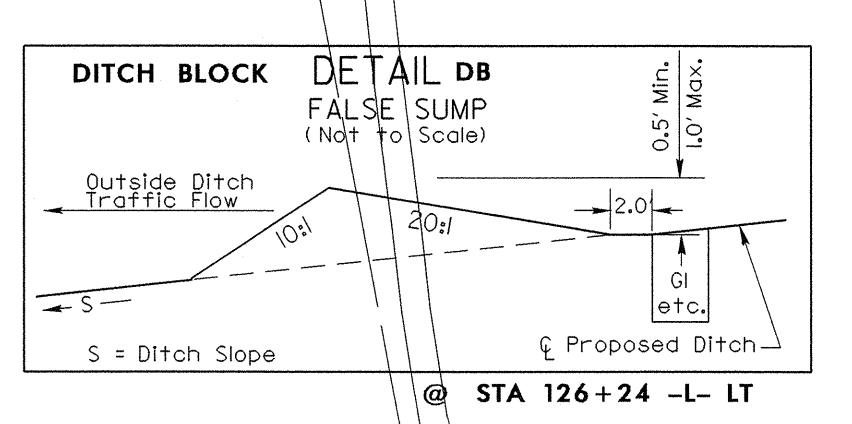
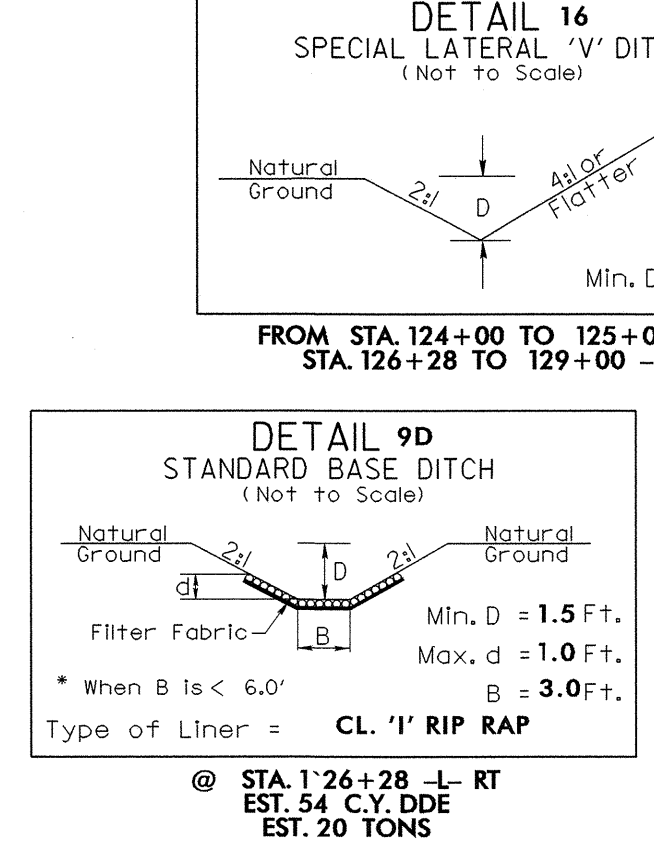
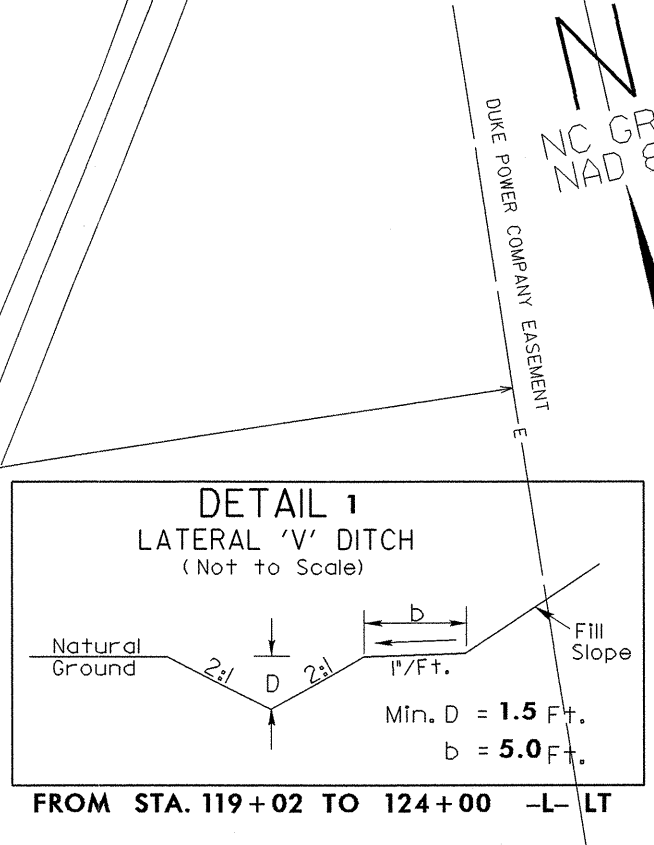
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-D2-
 POTSta. 10+00.00
 S 3° 06' 15.3" W
 PCSta. 10+96.67
 PI Sta. 11+33.11
 Δ = 9° 32' 43.6" (RT)
 D = 13° 07' 42.2"
 L = 72.71'
 T = 36.44'
 R = 436.43'
 -D2- PTSta. 11+69.38 =
 -L- POTSta. 129+71.66

-D2-
 POTSta. 10+00.00
 S 7° 52' 52.0" W
 PCSta. 11+20.07
 PI Sta. 11+40.92
 Δ = 5° 00' 08.0" (RT)
 D = 12° 00' 00.0"
 L = 41.69'
 T = 20.86'
 R = 477.46'
 PTSta. 11+61.75
 S 12° 53' 00.0" W
 -D3- POTSta. 11+68.92 =
 -L- POTSta. 130+40.98

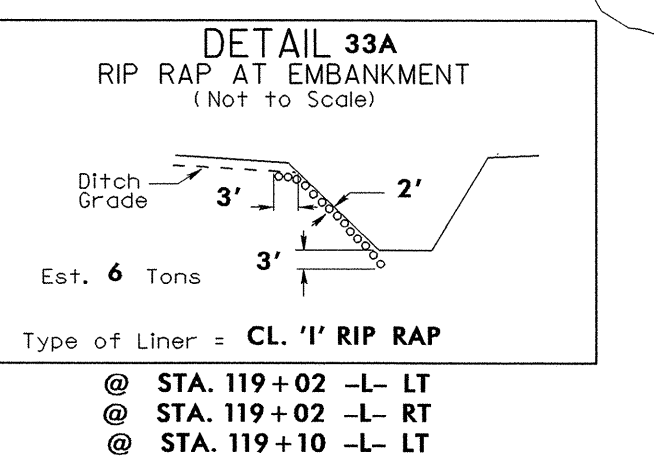
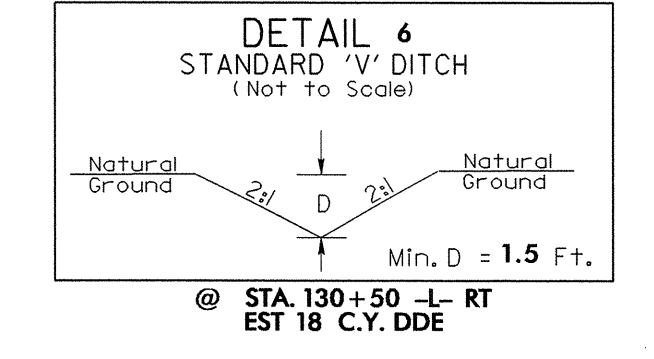
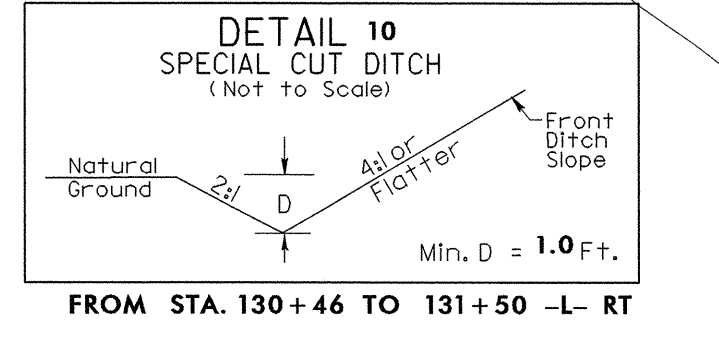
-D2-
 S 37° 27' 05.6" W
 PCSta. 10+41.95
 POTSta. 10+00.00
 PI Sta. 10+67.07
 Δ = 1° 26' 21.2" (LT)
 D = 2° 51' 53.2"
 L = 58.24'
 T = 25.12'
 R = 2,000.00'
 PTSta. 10+92.18
 S 36° 00' 44.5" W
 PCSta. 11+41.68
 PI Sta. 11+60.67
 Δ = 23° 07' 43.5" (LT)
 D = 61° 43' 07.0"
 L = 37.47'
 T = 19.00'
 R = 92.83'
 PTSta. 11+79.15
 S 12° 53' 00.9" W
 -D4- POTSta. 11+82.40 =
 -L- POTSta. 130+81.70

NOTE
FOR -L- PROFILE SEE SHEET 29
FOR -D2,D3,D4- PROFILES SEE SHEET 38
ALL DRIVEWAY RADII ARE 15' UNLESS NOTED



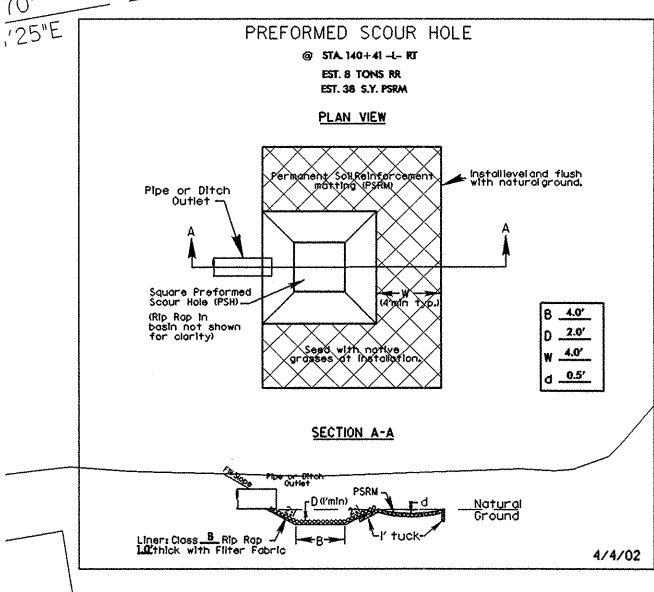
-Y2-
 POTSta. 10+00.00
 S 29° 55' 54.8" W
 PCSta. 10+48.06
 PI Sta. 11+16.93
 Δ = 25° 18' 56.9" (LT)
 D = 18° 41' 03.3"
 L = 135.49'
 T = 68.87'
 R = 306.65'
 SE =
 PTSta. 11+83.55
 S 4° 36' 57.9" W

-Y2-
 PCSta. 12+06.54
 PI Sta. 12+66.76
 Δ = 3° 58' 13.6" (LT)
 D = 3° 17' 51.4"
 L = 120.40'
 T = 60.23'
 R = 1,737.50'
 SE =
 PTSta. 13+26.94
 S 0° 38' 44.3" W
 -Y2- POTSta. 16+98.10 =
 -L- POT Sta. 126+71.88

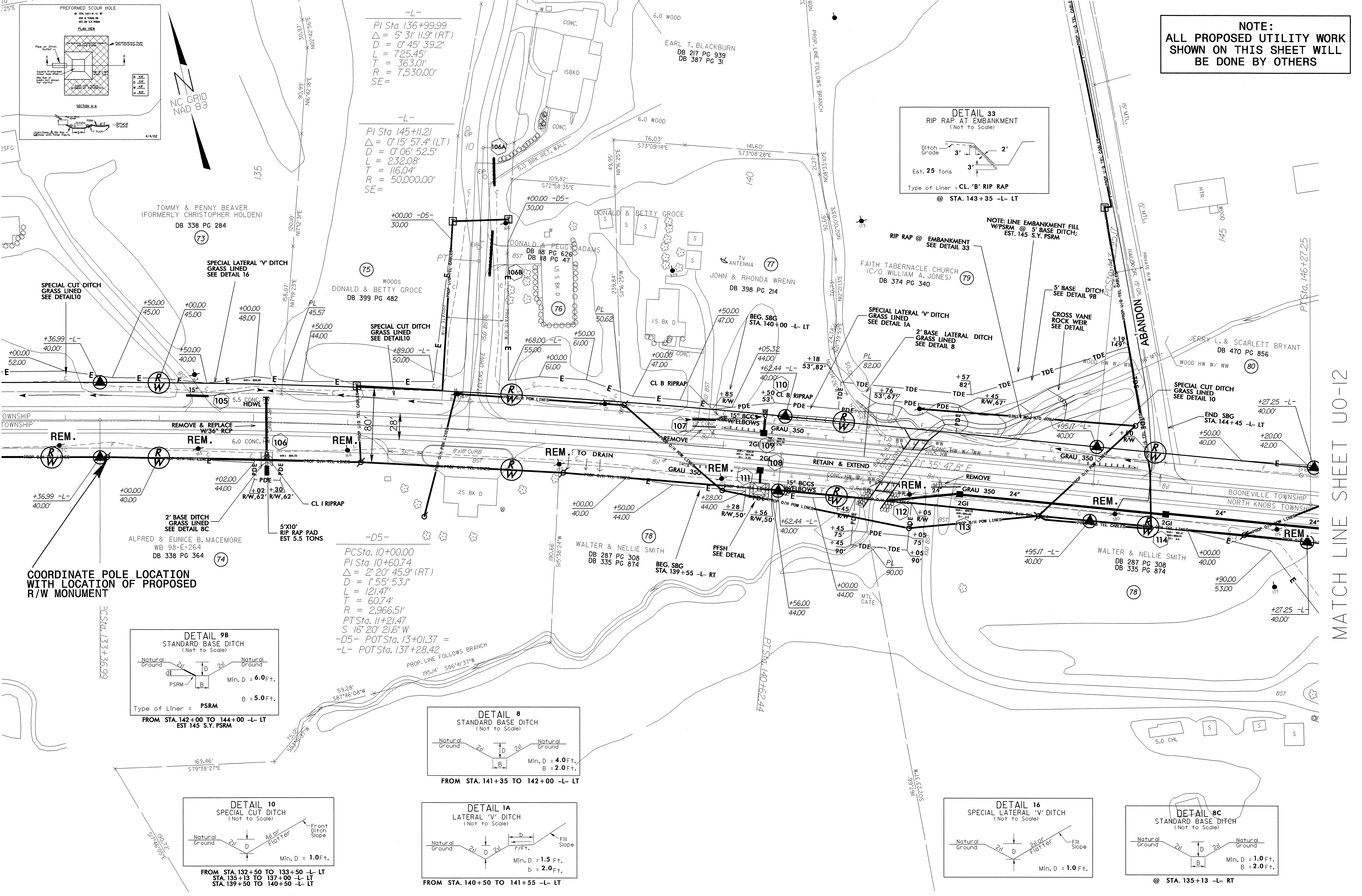


UTILITIES BY OTHERS

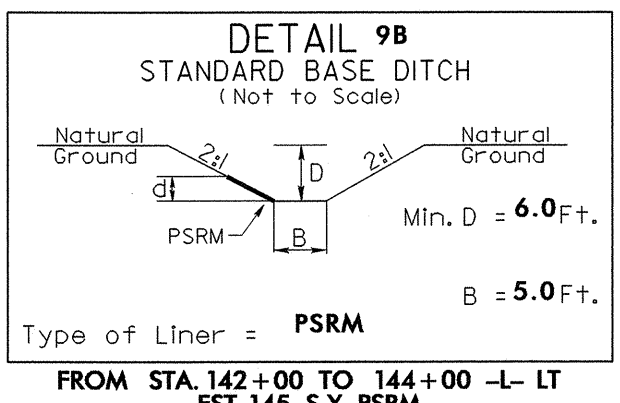
NOTE:
 ALL PROPOSED UTILITY WORK
 SHOWN ON THIS SHEET WILL
 BE DONE BY OTHERS



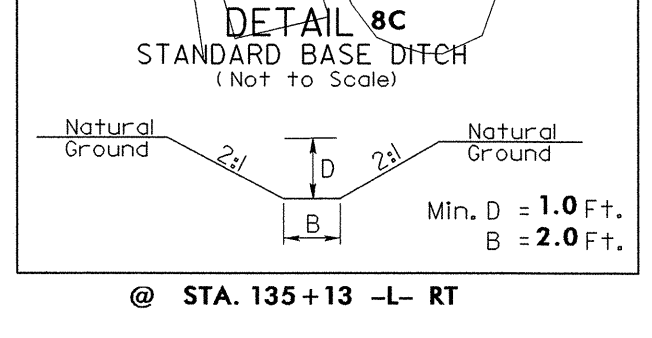
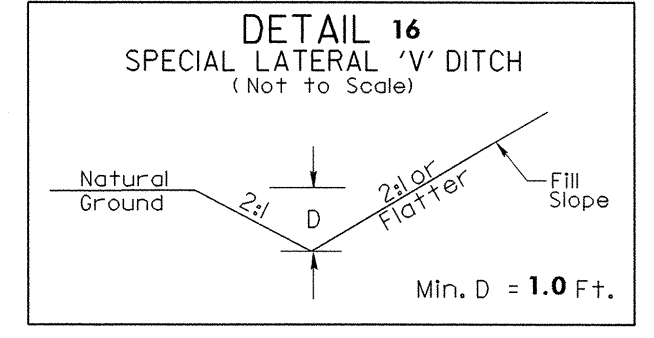
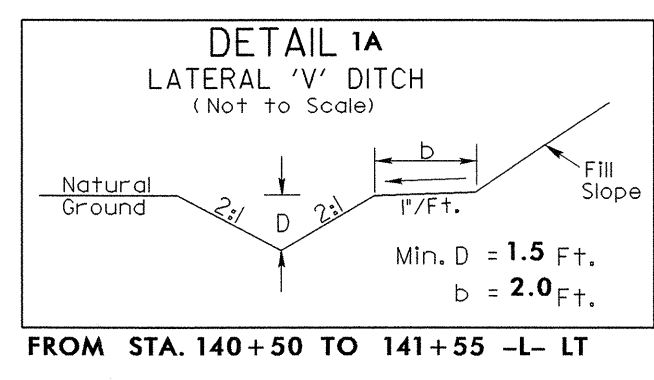
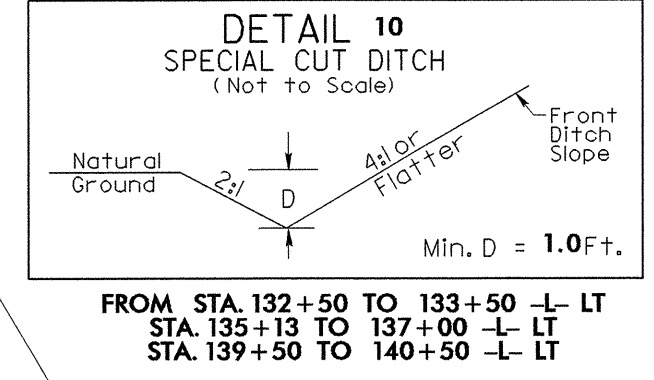
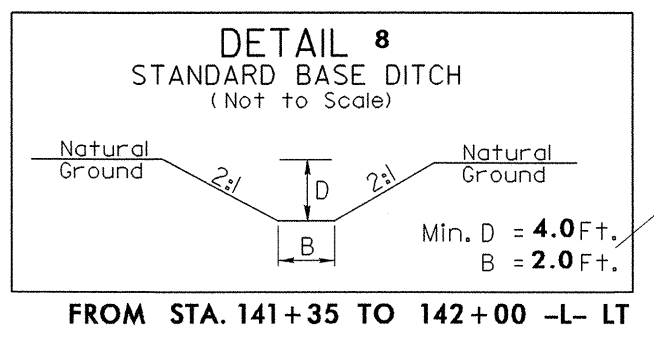
MATCH LINE SHEET UO-10



**COORDINATE POLE LOCATION
 WITH LOCATION OF PROPOSED
 R/W MONUMENT**



PCSta. 10+00.00
 PI Sta. 10+60.74
 $\Delta = 2^\circ 20' 45.9''$ (RT)
 $D = 1^\circ 55' 53.1''$
 $L = 121.47'$
 $T = 60.74'$
 $R = 2,966.51'$
 PT Sta. 11+21.47
 $S 16^\circ 20' 21.6'' W$
 -D5- POT Sta. 13+01.37 =
 -L- POT Sta. 137+28.42



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 \$\$\$SUSFRAN\$\$\$

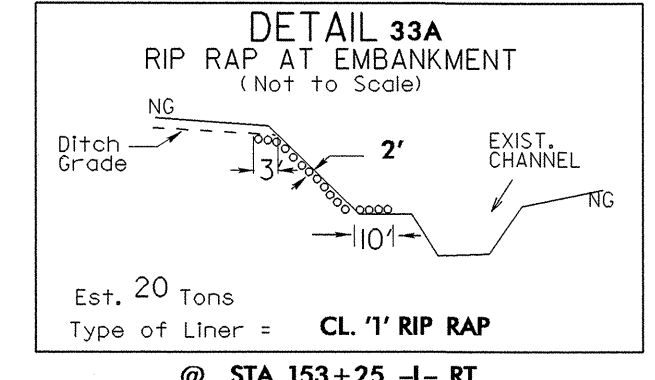
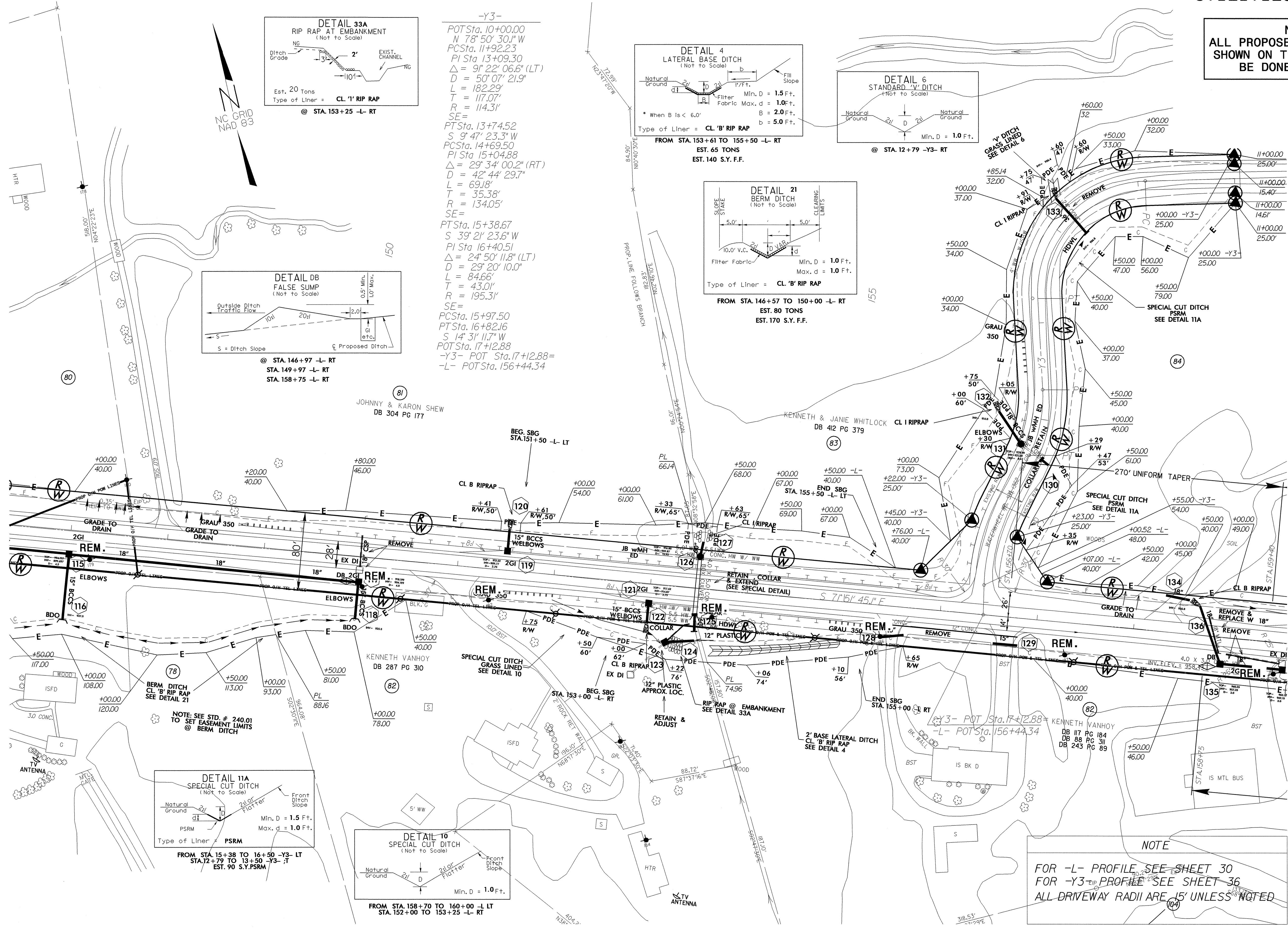
MATCH LINE SHEET UO-12

UTILITIES BY OTHERS

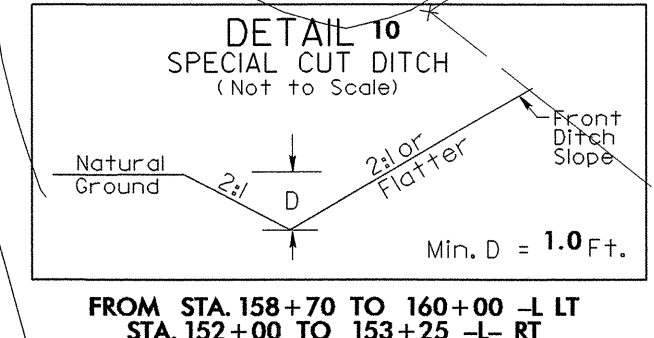
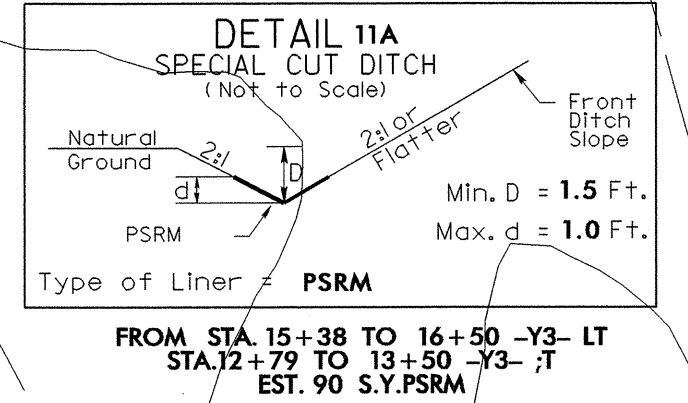
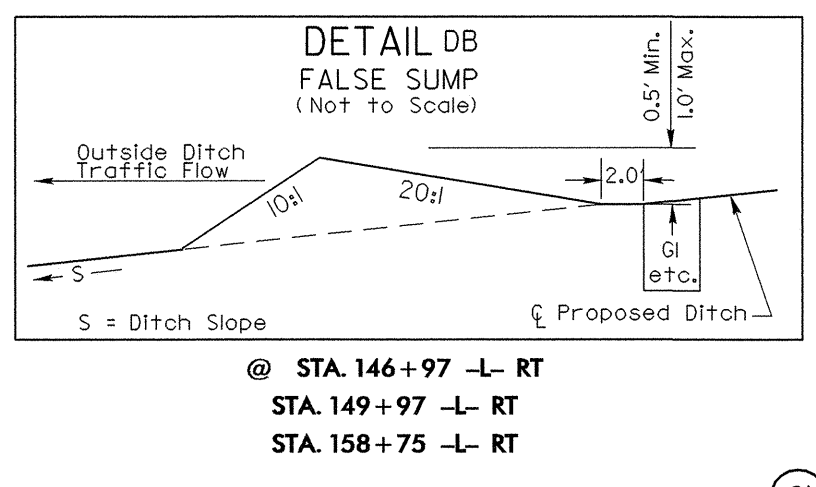
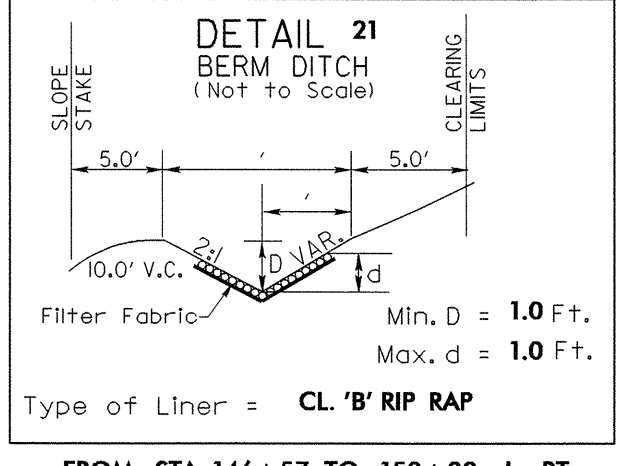
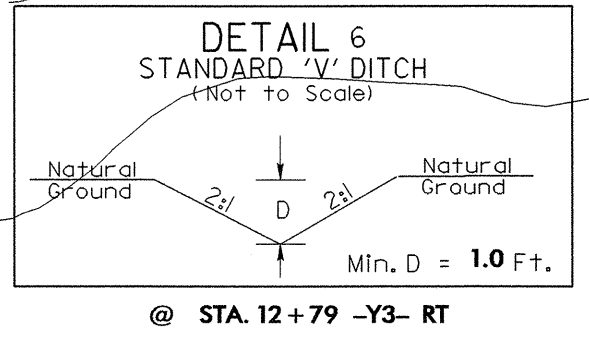
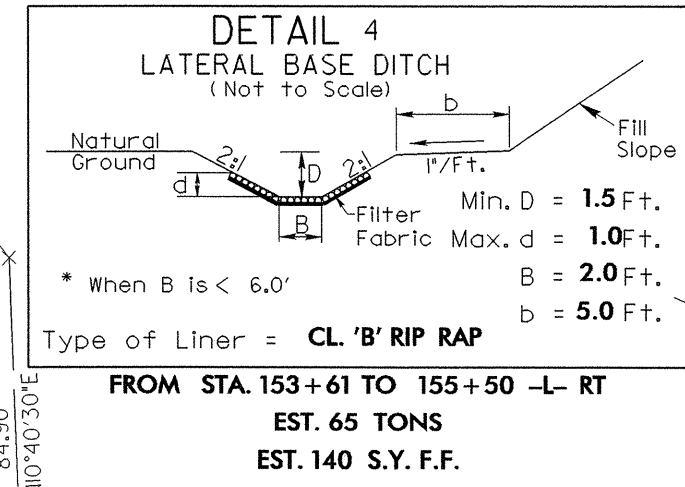
NOTE:
ALL PROPOSED UTILITY WORK
SHOWN ON THIS SHEET WILL
BE DONE BY OTHERS

MATCH LINE SHEET U0-11

MATCH LINE SHEET U0-13



-Y3-
POT Sta. 10+00.00
N 78° 50' 30.1" W
PC Sta. 11+92.23
PI Sta. 13+09.30
 $\Delta = 91' 22' 06.6"$ (LT)
D = 50' 07' 21.9"
L = 182.29'
T = 117.07'
R = 114.31'
SE =
PT Sta. 13+74.52
S 9° 47' 23.3" W
PC Sta. 14+69.50
PI Sta. 15+04.88
 $\Delta = 29' 34' 00.2"$ (RT)
D = 42' 44' 29.7"
L = 69.18'
T = 35.38'
R = 134.05'
SE =
PT Sta. 15+38.67
S 39° 21' 23.6" W
PC Sta. 16+40.51
PI Sta. 16+40.51
 $\Delta = 24' 50' 11.8"$ (LT)
D = 29' 20' 10.0"
L = 84.66'
T = 43.01'
R = 195.31'
SE =
PC Sta. 15+97.50
PT Sta. 16+82.16
S 14° 31' 11.7" W
POT Sta. 17+12.88
-Y3- POT Sta. 17+12.88 =
-L- POT Sta. 156+44.34



NOTE
FOR -L- PROFILE SEE SHEET 30
FOR -Y3- PROFILE SEE SHEET 36
ALL DRIVEWAY RADII ARE 15' UNLESS NOTED

8.17/99

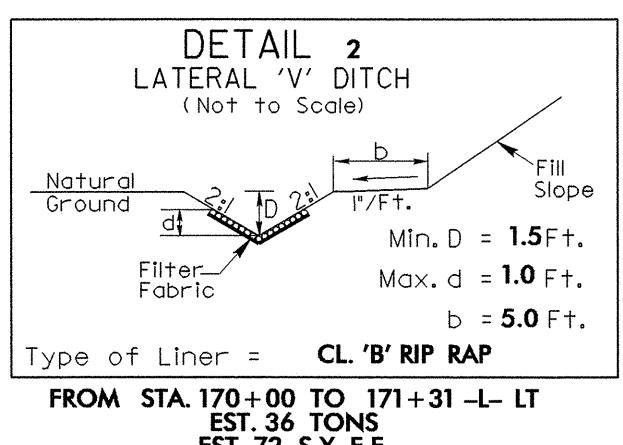
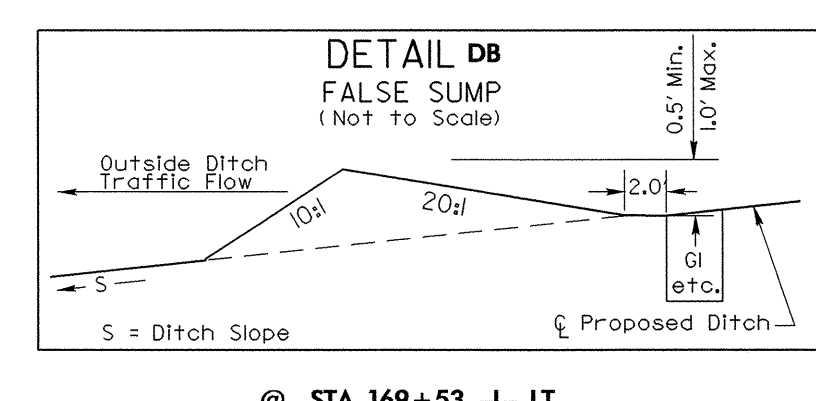
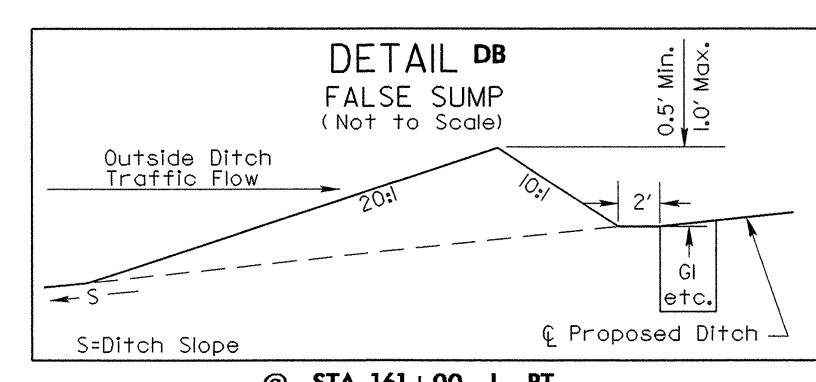
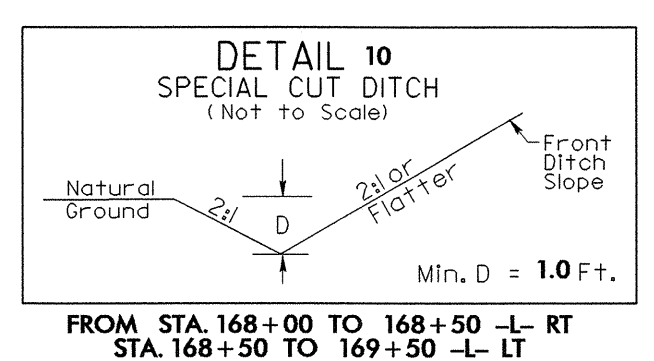
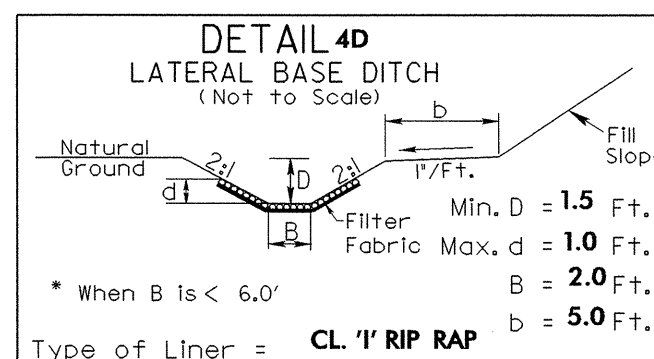
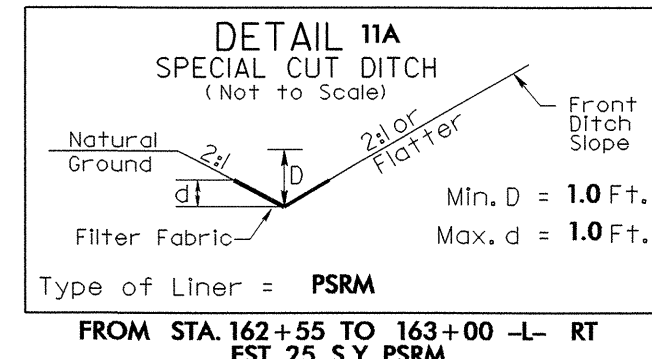
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UTILITIES BY OTHERS

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

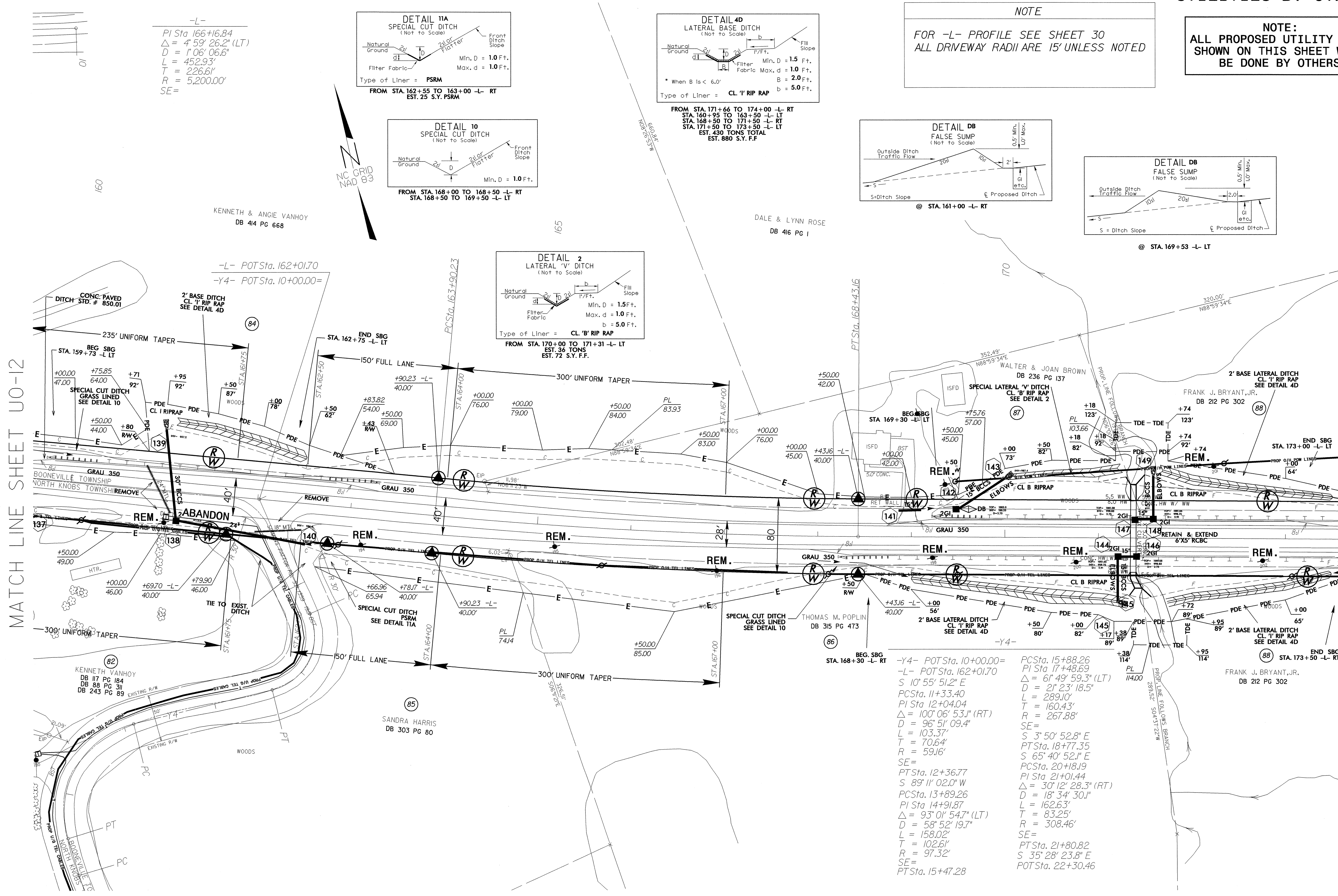
NOTE
FOR -L- PROFILE SEE SHEET 30
ALL DRIVEWAY RADII ARE 15' UNLESS NOTED

-L-
PI Sta 166+16.84
 $\Delta = 4^{\circ} 59' 26.2''$ (LT)
D = 1' 06" 06.6"
L = 452.93'
T = 226.6'
R = 5,200.00'
SE =



MATCH LINE SHEET U0-12

MATCH LINE SHEET U0-14



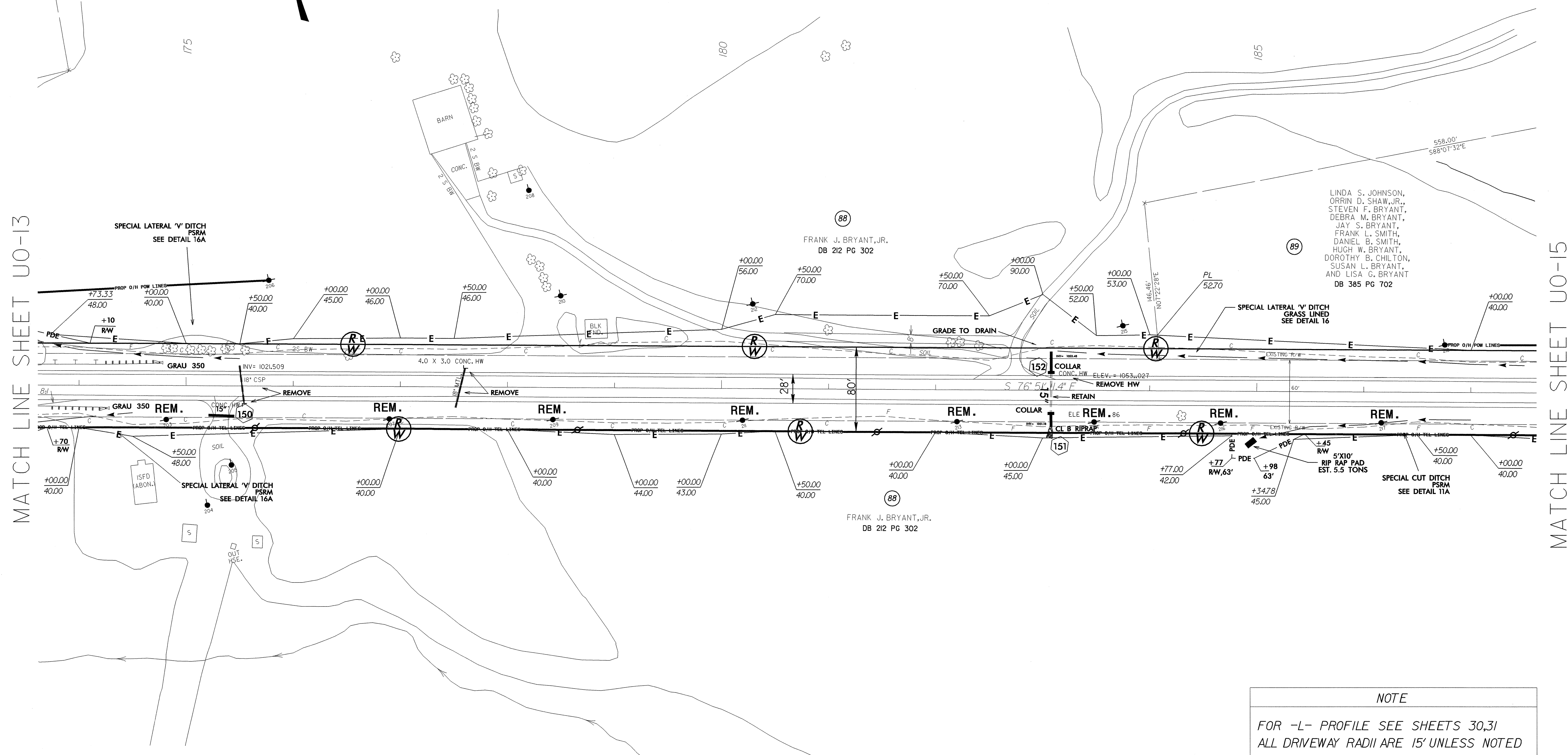
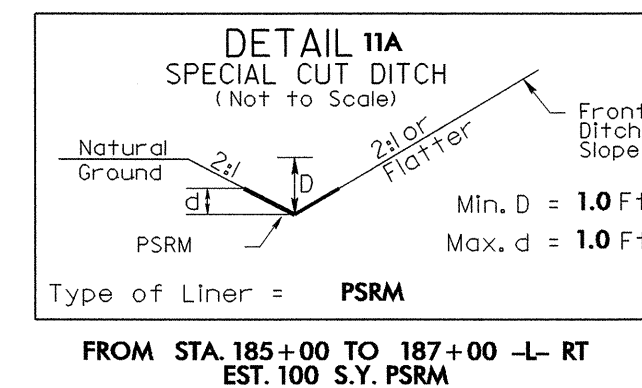
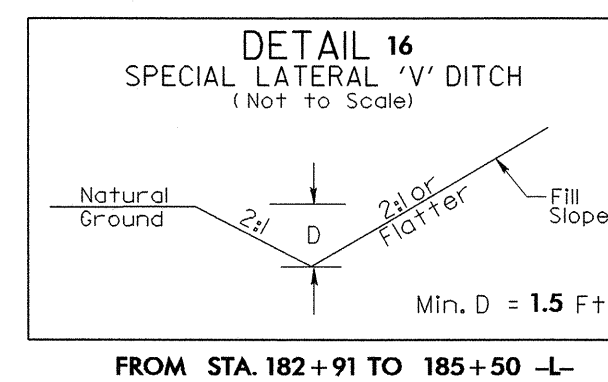
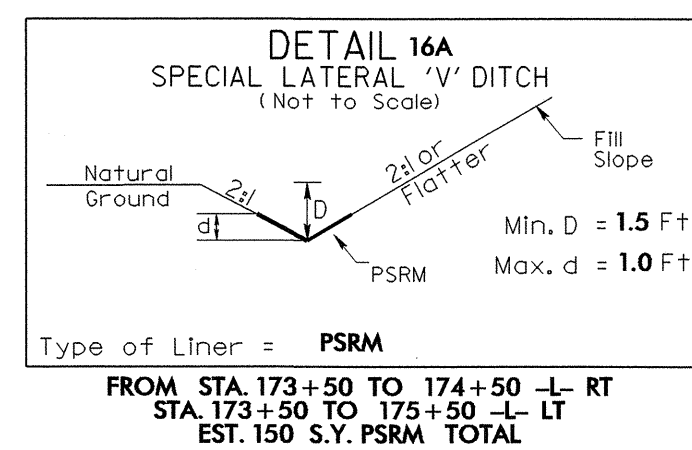
-Y4- POT Sta. 10+00.00 =
PC Sta. 15+88.26
PI Sta. 17+48.69
 $\Delta = 61^{\circ} 49' 59.3''$ (LT)
D = 21' 23" 18.5"
L = 289.10'
T = 160.43'
R = 267.88'
SE =
PT Sta. 12+36.77
S 89' 11" 02.0" W
PC Sta. 13+89.26
PI Sta. 14+91.87
 $\Delta = 93^{\circ} 01' 54.7''$ (LT)
D = 58' 52" 19.7"
L = 158.02'
T = 102.61'
R = 97.32'
SE =
PT Sta. 15+47.28

-L- POT Sta. 162+01.70
PC Sta. 11+33.40
PI Sta. 12+04.04
 $\Delta = 100^{\circ} 06' 53.1''$ (RT)
D = 96' 51" 09.4"
L = 103.37'
T = 70.64'
R = 59.16'
SE =
PT Sta. 18+77.35
S 65' 40' 52.1" E
PC Sta. 20+18.19
PI Sta. 21+01.44
 $\Delta = 30^{\circ} 12' 28.3''$ (RT)
D = 18' 34" 30.1"
L = 162.63'
T = 83.25'
R = 308.46'
SE =
PT Sta. 21+80.82
S 35' 28" 23.8" E
POT Sta. 22+30.46

8/17/99
11-MAY-2006 10:54
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USER: jrb

UTILITIES BY OTHERS

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



MATCH LINE SHEET U0-13

MATCH LINE SHEET U0-15

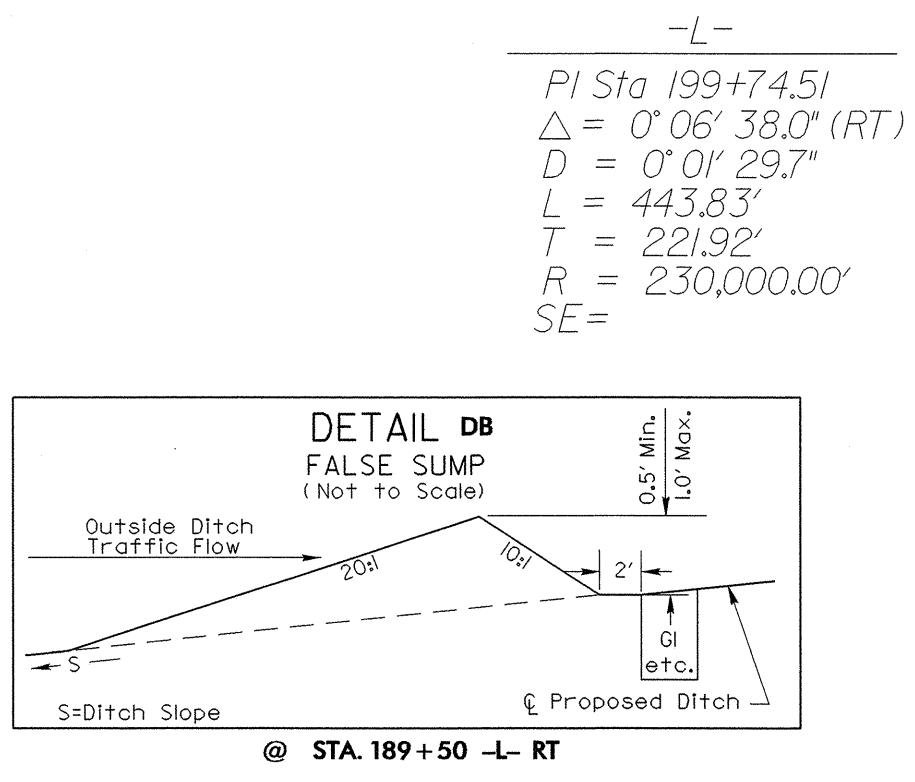
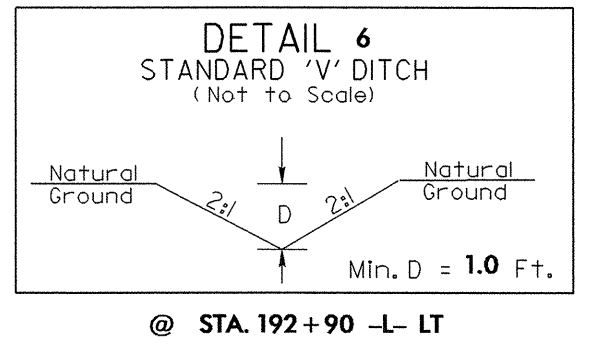
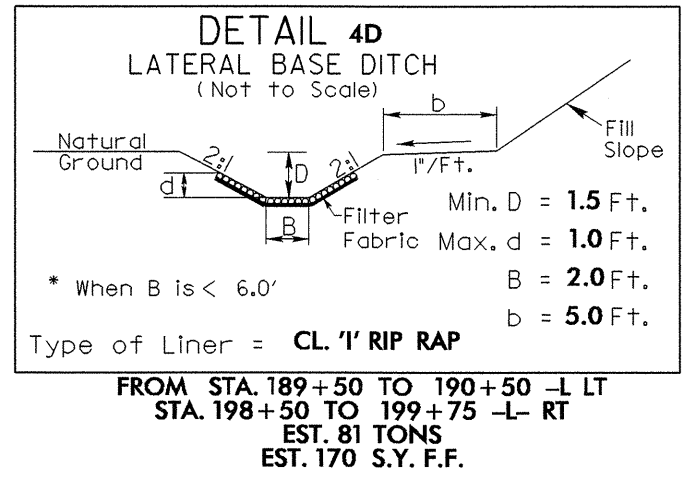
NOTE
FOR -L- PROFILE SEE SHEETS 30,31
ALL DRIVEWAY RADII ARE 15' UNLESS NOTED

8/17/99
11-MAY-2006 11:2
r:\utilities\cd\ut\proj\NR3415_U0-14_16.psh
SUSAN BRYANT

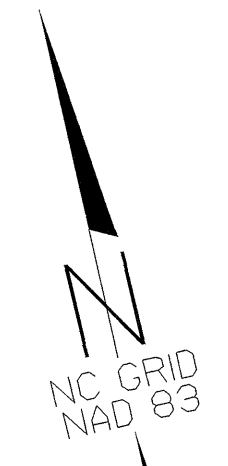
UTILITIES BY OTHERS

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

NOTE
FOR -L- PROFILE SEE SHEET 31
ALL DRIVEWAY RADII ARE 15' UNLESS NOTED

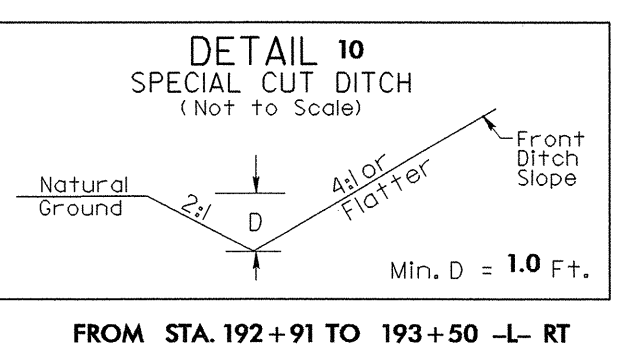
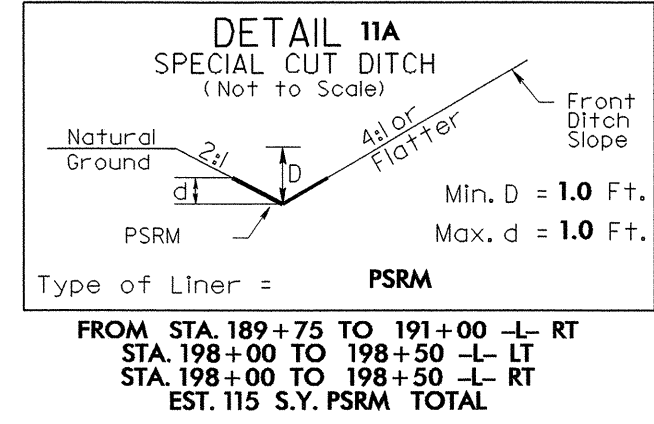
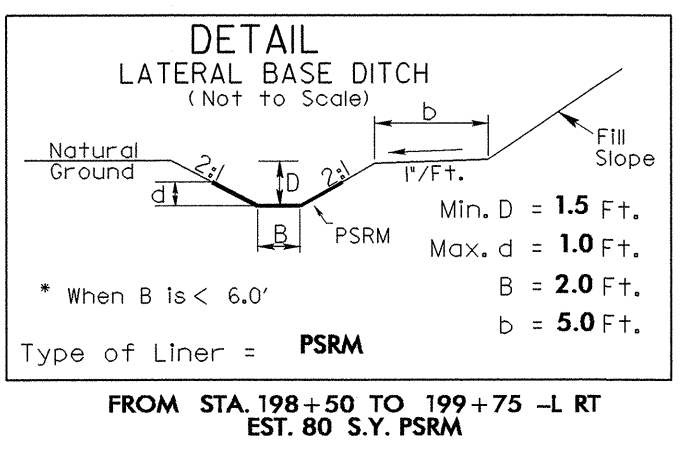
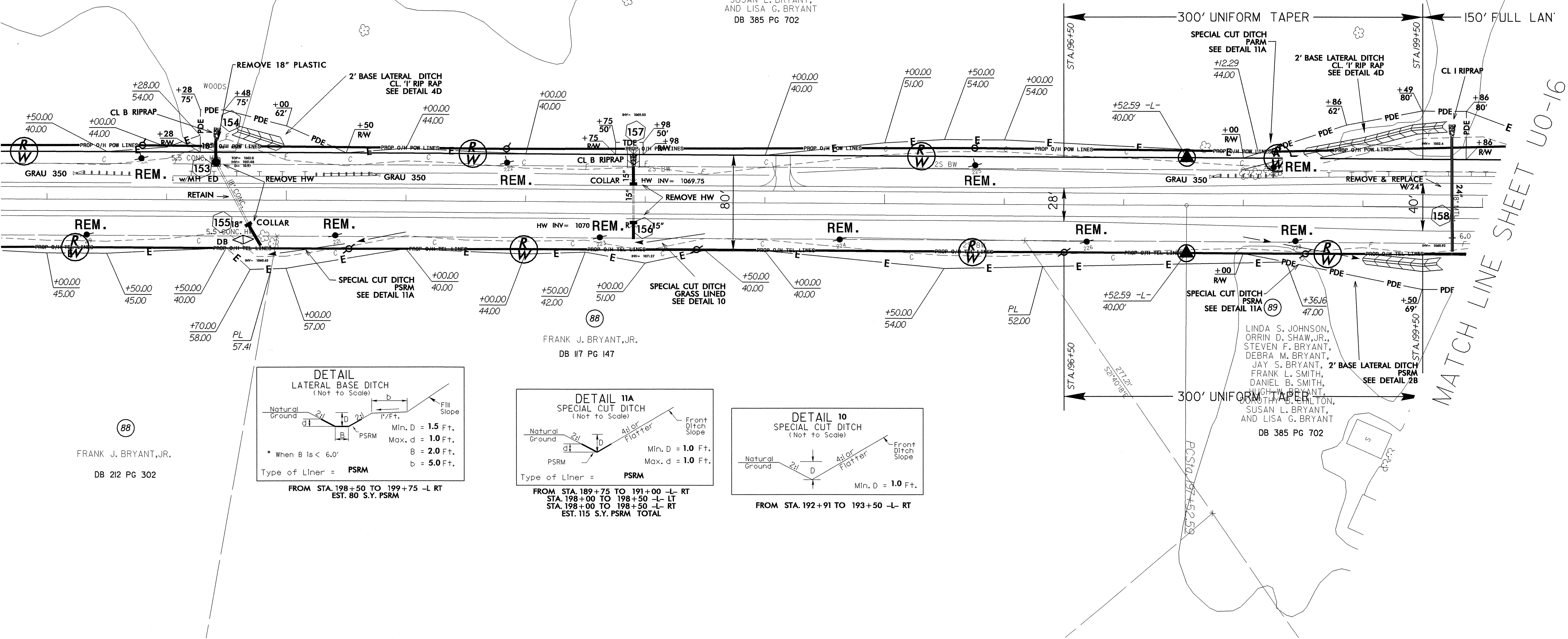


-L-
PI Sta 199+74.51
 $\Delta = 0^{\circ} 06' 38.0''$ (RT)
D = 0' 01' 29.7"
L = 443.83'
T = 221.92'
R = 230,000.00'
SE =



MATCH LINE SHEET UO-14

MATCH LINE SHEET UO-16



FRANK J. BRYANT, JR.
DB 212 PG 302

FRANK J. BRYANT, JR.
DB 117 PG 147

LINDA S. JOHNSON,
ORRIN D. SHAW, JR.,
STEVEN F. BRYANT,
DEBRA M. BRYANT,
JAY S. BRYANT,
FRANK L. SMITH,
DANIEL B. SMITH,
HUGH W. BRYANT,
DOROTHY B. CHILTON,
SUSAN L. BRYANT,
AND LISA G. BRYANT
DB 385 PG 702

LINDA S. JOHNSON,
ORRIN D. SHAW, JR.,
STEVEN F. BRYANT,
DEBRA M. BRYANT,
JAY S. BRYANT,
FRANK L. SMITH,
DANIEL B. SMITH,
HUGH W. BRYANT,
DOROTHY B. CHILTON,
SUSAN L. BRYANT,
AND LISA G. BRYANT
DB 385 PG 702

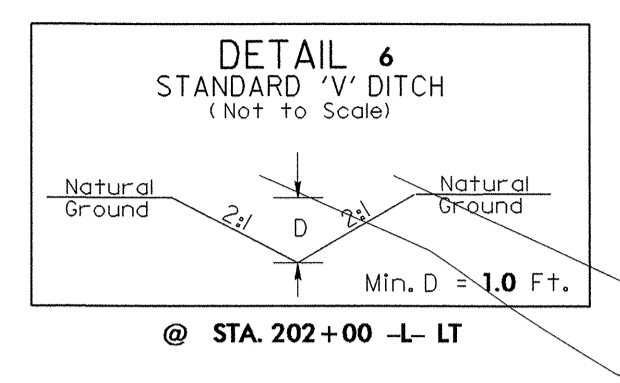
8/17/99

11-MAY-2006 12:11
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*****PRNAME*****

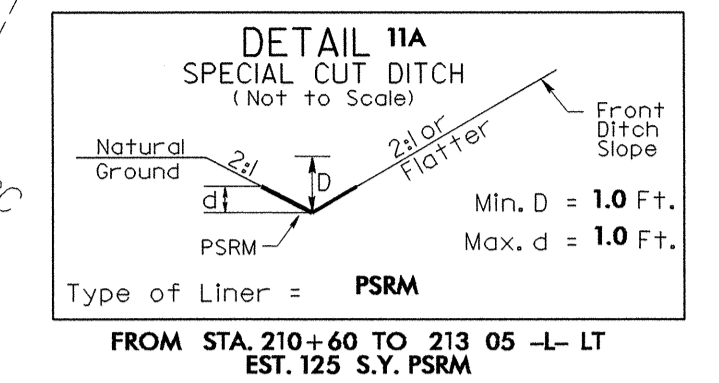
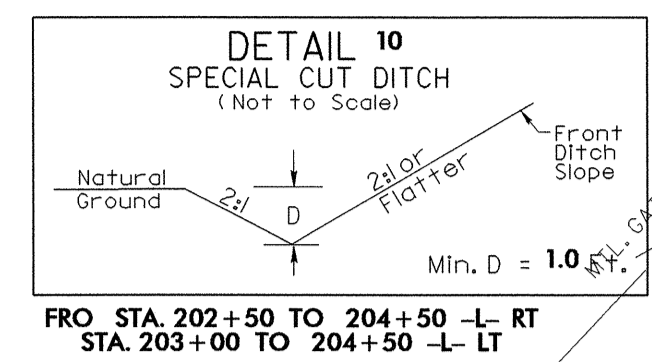
UTILITIES BY OTHERS

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

NOTE FOR -L- PROFILE SEE SHEET 32 ALL DRIVEWAY RADII ARE 15' UNLESS NOTED



ERVIN & EVA WILHELM DB 87 PG 387



-Y5- POT Sta. 10+00.00 S 39° 52' 40.2" W PC Sta. 11+90.00 PI Sta. 13+92.89 Δ = 44° 05' 44.5" (RT) D = 11' 26' 12.6" L = 385.56' T = 202.89' R = 500.98' SE = PT Sta. 15+75.56 S 83° 58' 24.8" W PC Sta. 18+21.80 PI Sta. 19+06.14 Δ = 37° 35' 09.8" (LT) D = 23° 07' 01.1" L = 162.59' T = 84.34' R = 247.85' SE = PT Sta. 19+84.39 S 46° 23' 14.9" W

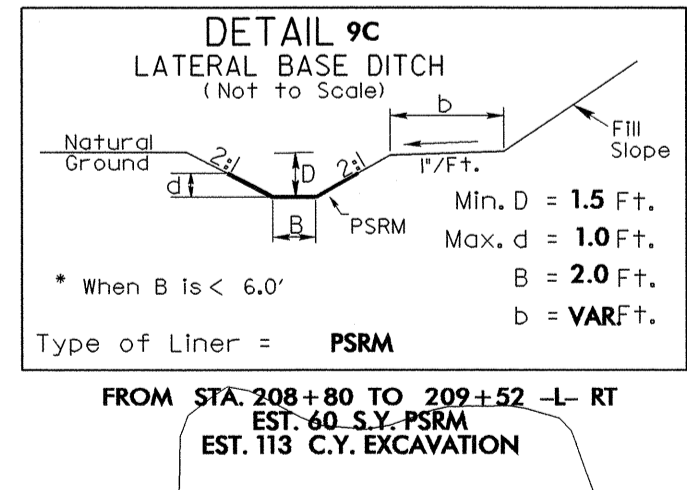
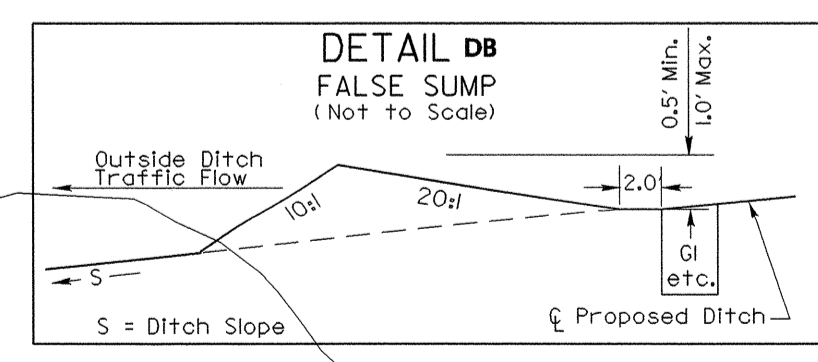
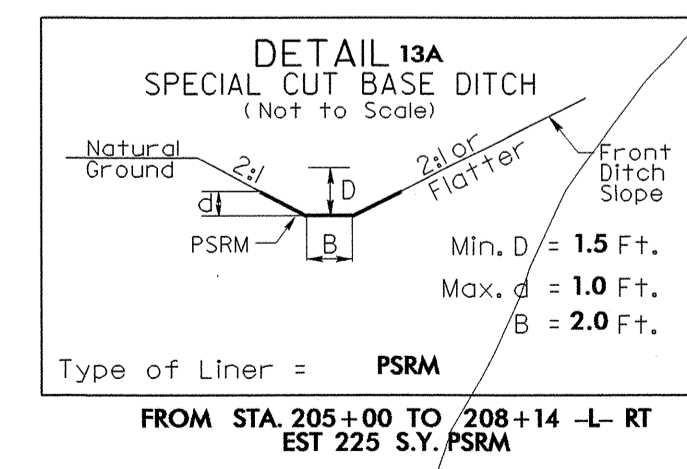
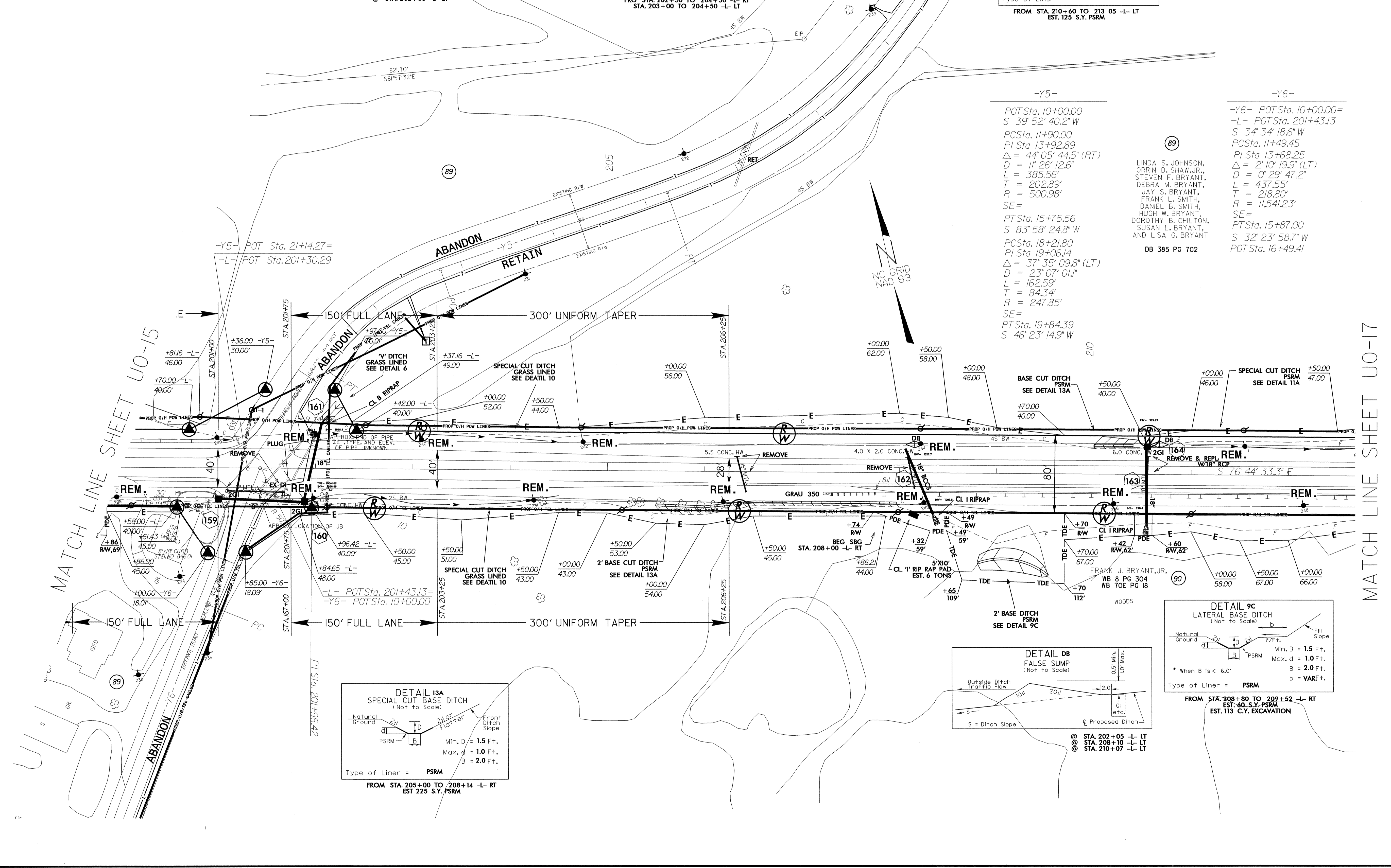
(89) LINDA S. JOHNSON, ORRIN D. SHAW, JR., STEVEN F. BRYANT, DEBRA M. BRYANT, JAY S. BRYANT, FRANK L. SMITH, DANIEL B. SMITH, HUGH W. BRYANT, DOROTHY B. CHILTON, SUSAN L. BRYANT, AND LISA G. BRYANT DB 385 PG 702

-Y6- POT Sta. 10+00.00 = -L- POT Sta. 201+43.13 S 34° 34' 18.6" W PC Sta. 11+49.45 PI Sta. 13+68.25 Δ = 2° 10' 19.9" (LT) D = 0° 29' 47.2" L = 437.55' T = 218.80' R = 11,541.23' SE = PT Sta. 15+87.00 S 32° 23' 58.7" W POT Sta. 16+49.41

MATCH LINE SHEET U0-15

MATCH LINE SHEET U0-17

8/17/99 REVISIONS 11-MAY-2006 11:23 C:\utilities\yrcou\ut\proj\NR3415_U0_16_18.psh



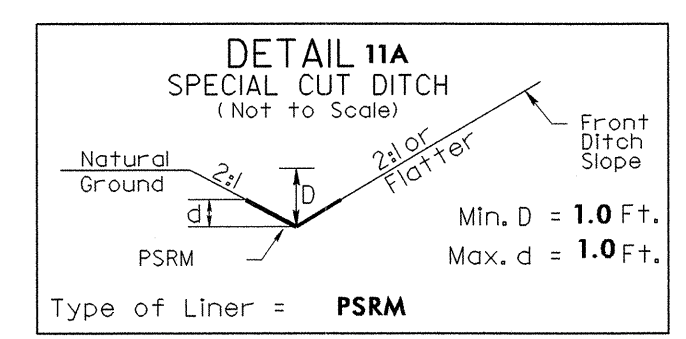
UTILITIES BY OTHERS

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

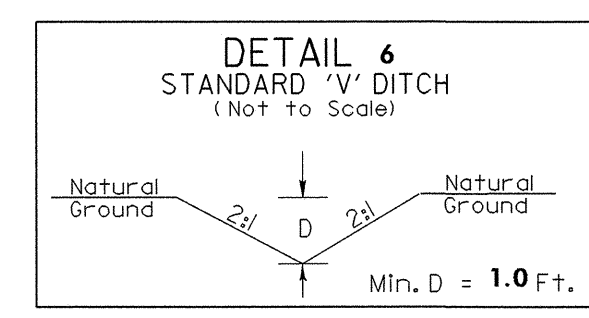
NOTE
FOR -L- PROFILE SEE SHEET 32
ALL DRIVEWAY RADII ARE 15' UNLESS NOTED

-L-
PI Sta 222+34.56
 $\Delta = 0^{\circ}06'51.0''$ (LT)
 $D = 0^{\circ}03'26.3''$
 $L = 199.24'$
 $T = 99.62'$
 $R = 100,000.00'$
SE =

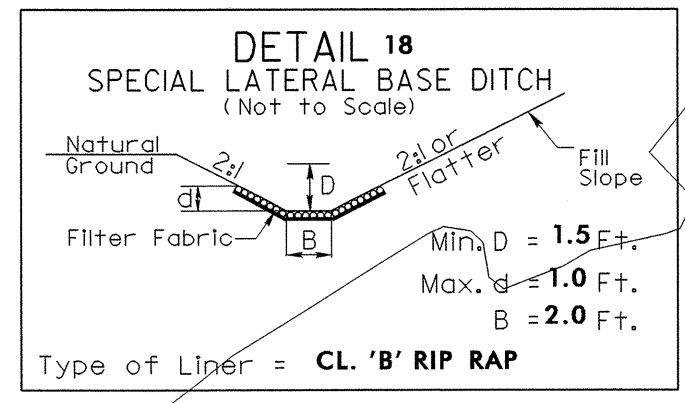
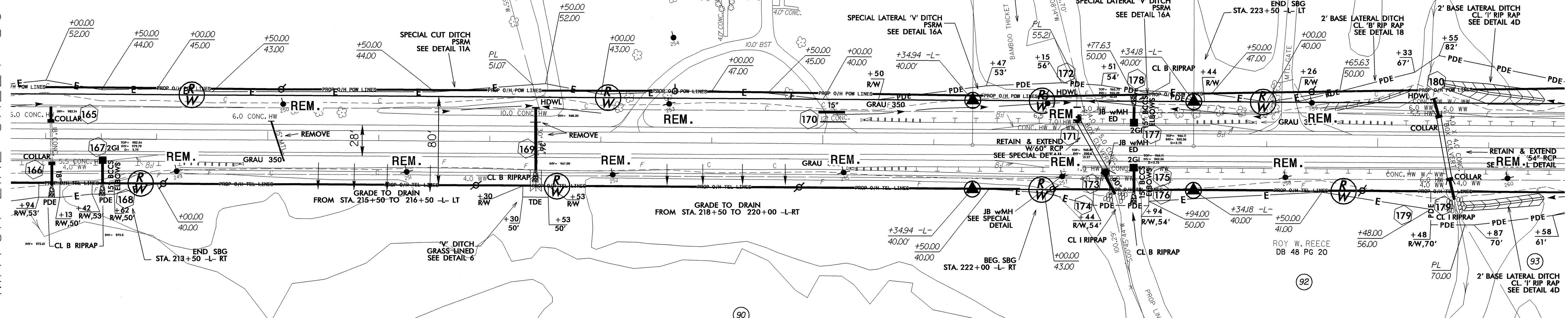
LINDA S. JOHNSON,
ORRIN D. SHAW, JR.,
STEVEN F. BRYANT,
DEBRA M. BRYANT,
JAY S. BRYANT,
FRANK L. SMITH,
DANIEL B. SMITH,
HUGH W. BRYANT,
DOROTHY B. CHILTON,
SUSAN L. BRYANT,
AND LISA G. BRYANT
DB 385 PG 702



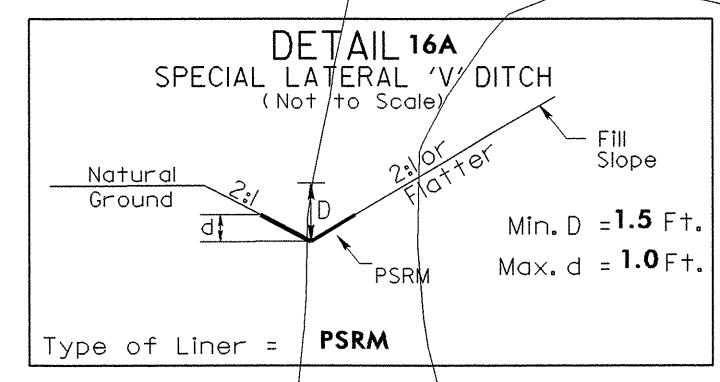
FROM STA. 216+50 TO 217+41 -L- LT
STA. 217+41 TO 218+00 -L- LT
EST. 75 S.Y. PSRM



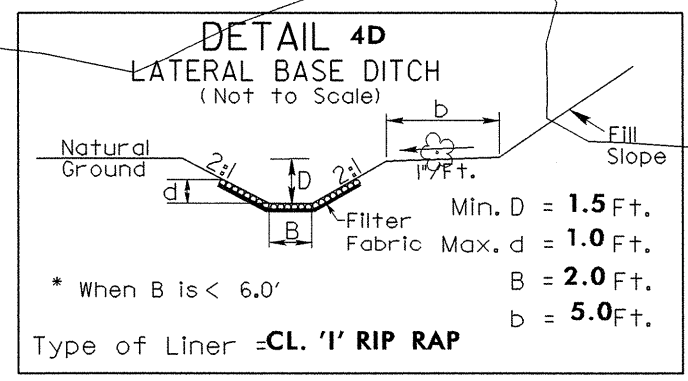
MATCH LINE SHEET U0-16



FROM STA. 224+50 TO 225+45 -L- LT
EST. 35 TONS
EST. 70 S.Y. F.F.



FROM STA. 220+00 TO 222+25 -L- LT
EST. 115 S.Y. PSRM



FROM STA. 225+50 TO 227+00 -L- LT
STA. 225+80 TO 227+00 -L- RT
EST. 108 TONS
EST. 200 S.Y. F.F.

MATCH LINE SHEET U0-18

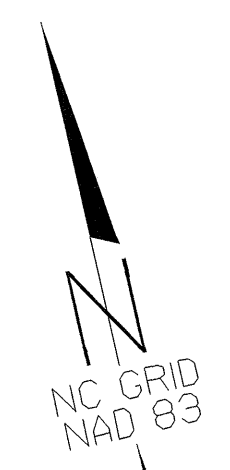
8/17/99
11-MAY-2006 14:27
r:\utilities\proj\3415_U0-17_19.psh
3:33:58 PM

UTILITIES BY OTHERS

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

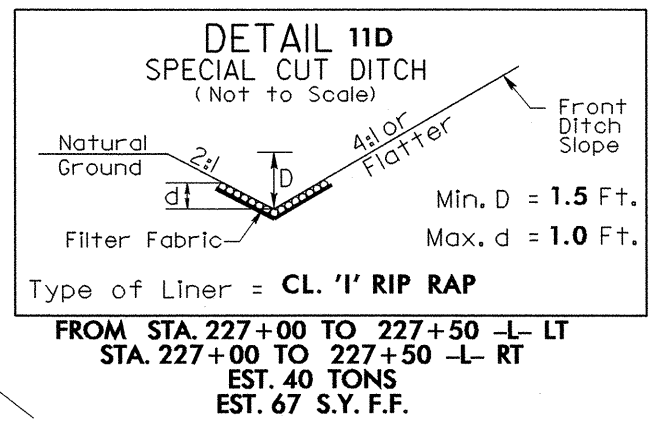
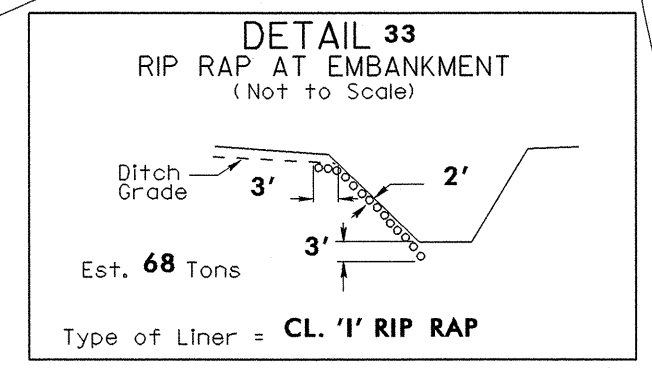
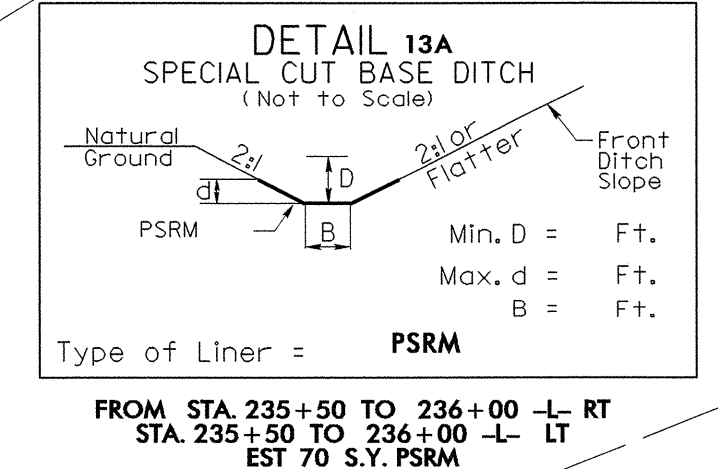
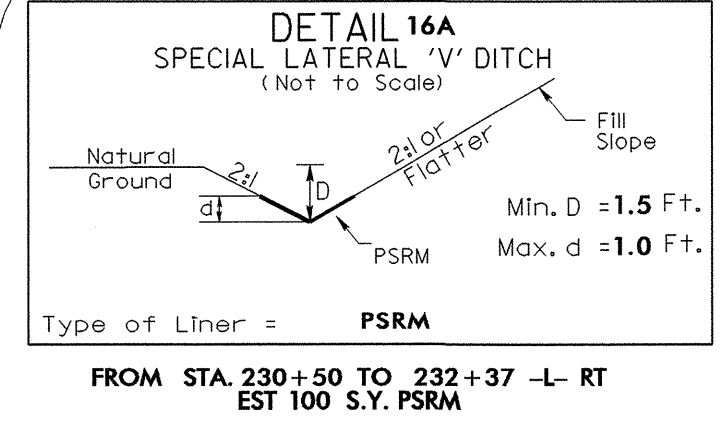
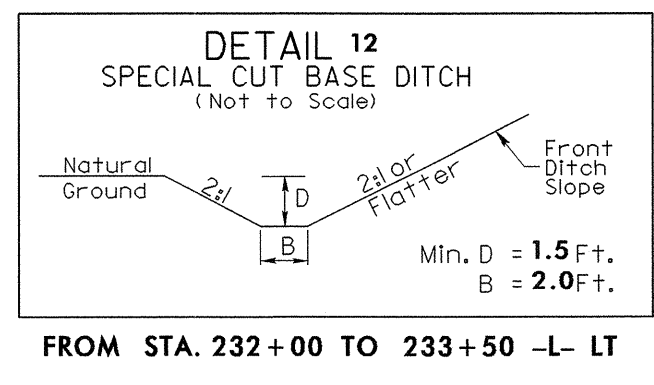
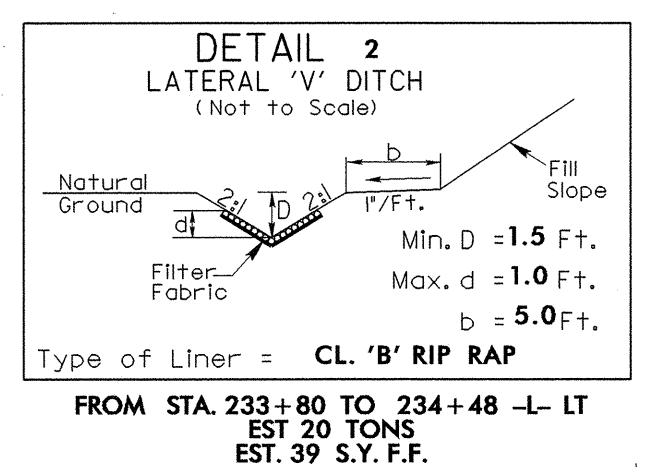
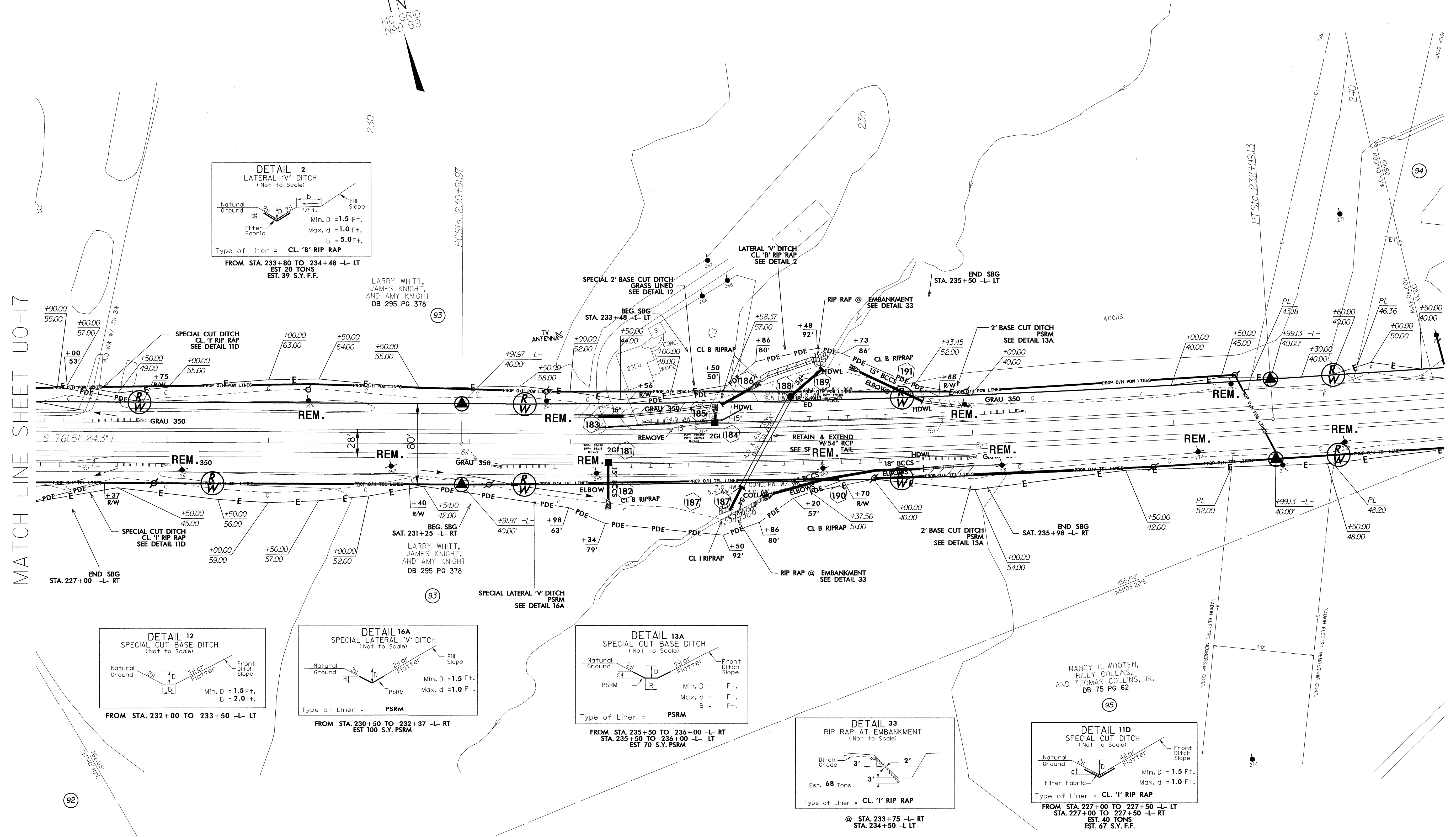
NOTE
FOR -L- PROFILE SEE SHEET 33
ALL DRIVEWAY RADII ARE 15' UNLESS NOTED

-L-
PI Sta. 234+95.73
Δ = 4°08'21.2" (LT)
D = 0°30'46.1"
L = 807.16'
T = 403.76'
R = 11,172.88'
SE =



MATCH LINE SHEET U0-17

MATCH LINE SHEET U0-19

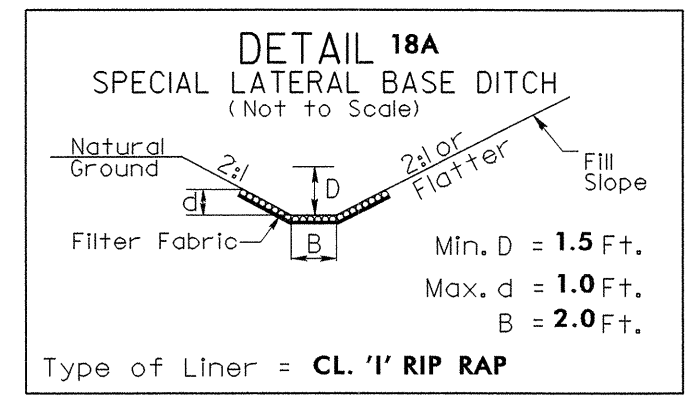


NANCY C. WOOTEN,
BILLY COLLINS,
AND THOMAS COLLINS, JR.
DB 75 PG 62

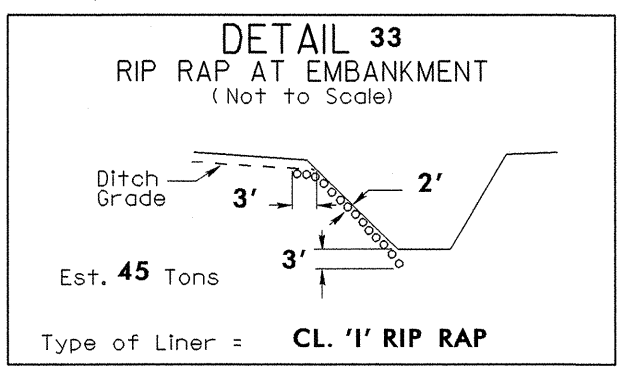
8/17/99
11-MAY-2006 11:29
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UTILITIES BY OTHERS

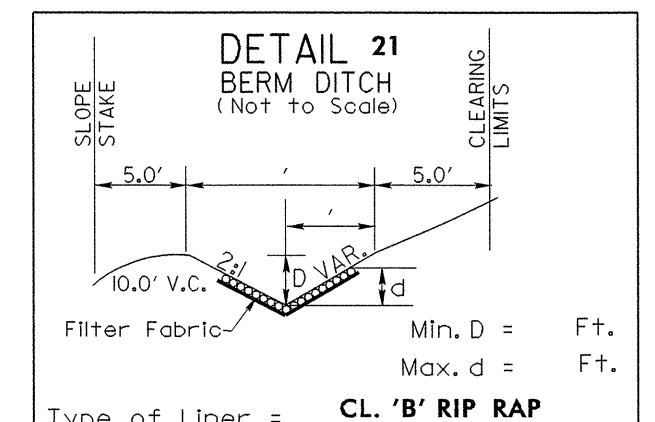
NOTE:
ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS



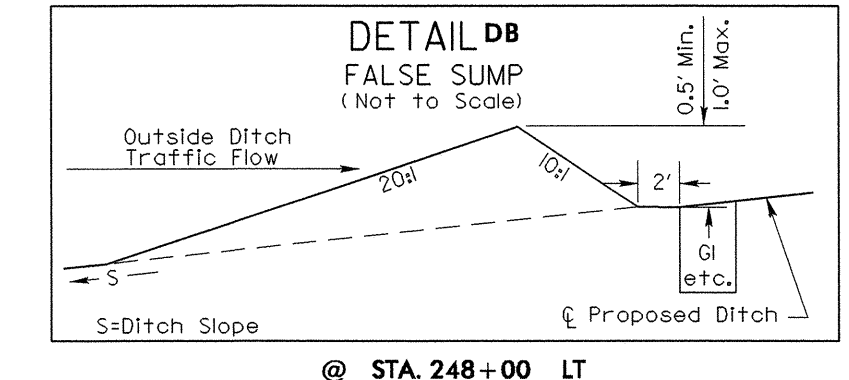
FROM STA. 245+00 TO 246+00 -L- LT
EST. 38 TONS
EST. 70 S.Y. F.F.



@ STA. 250+40 -L- LT
STA. 246+55 -L- RT
STA. 246+30 -L- RT



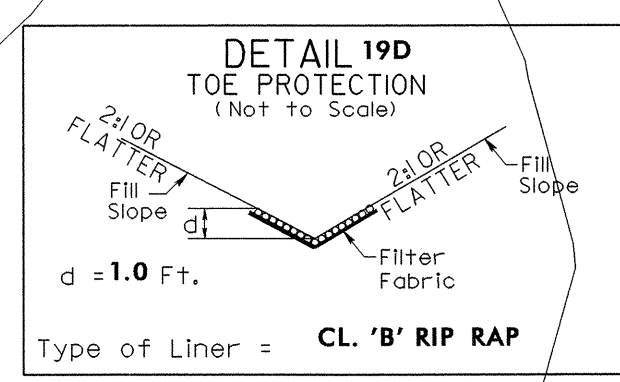
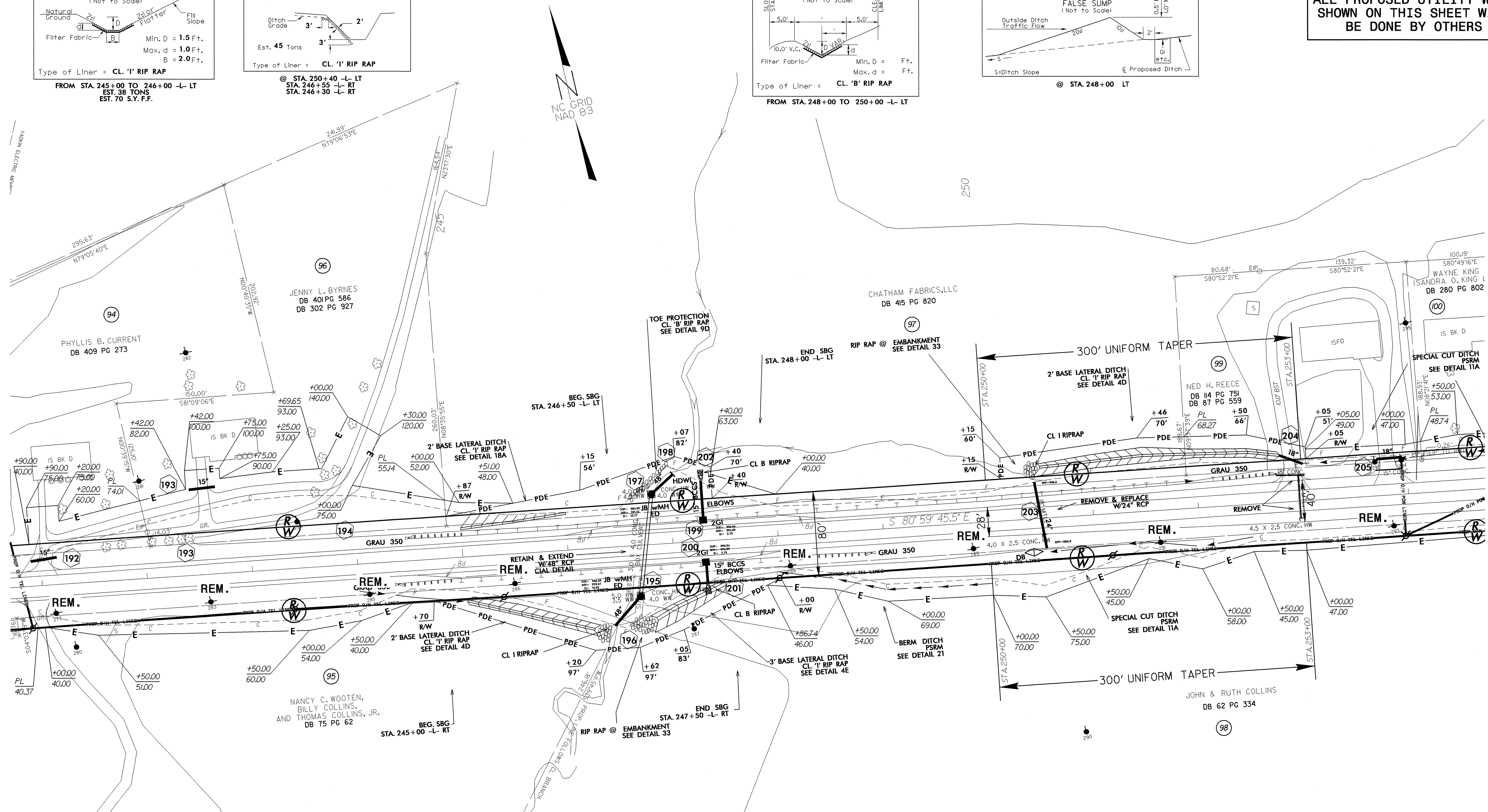
FROM STA. 248+00 TO 250+00 -L- LT



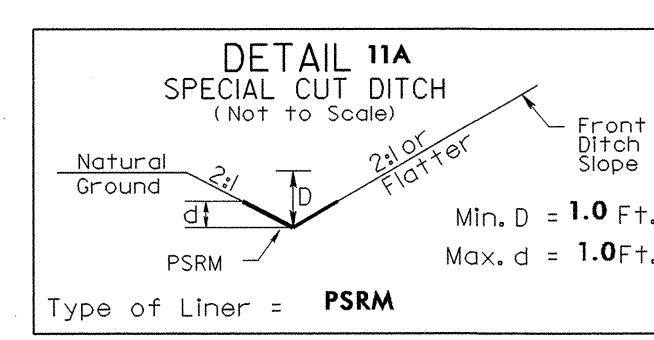
@ STA. 248+00 LT

MATCH LINE SHEET U0-18

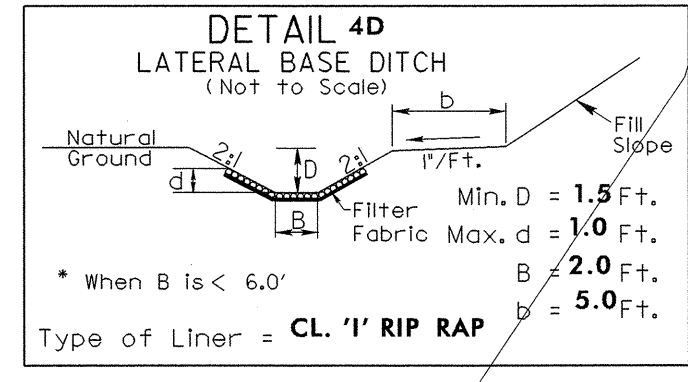
MATCH LINE SHEET U0-20



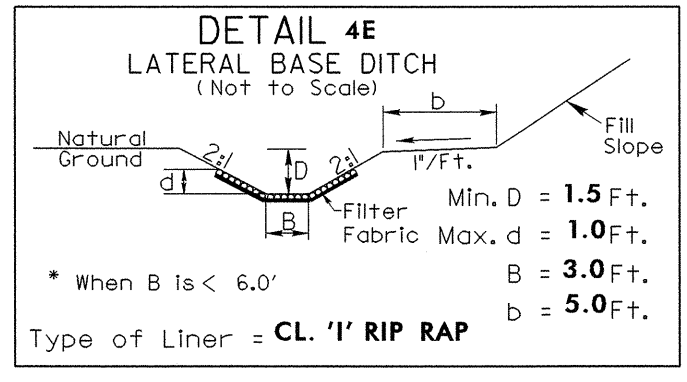
FROM STA. 244+60 TO 247+00 -L- LT
EST. 11 TONS
EST. 20 S.Y. F.F.



FROM STA. 244+00 TO 244+50 -L- RT
STA. 250+50 TO 252+50 -L- RT
STA. 253+00 TO 255+50 -L- RT
EST. 240 S.Y. PSRM



FROM STA. 244+50 TO 246+35 -L- RT
STA. 250+39 -L- 253+00 -L- RT
EST. 160 TONS
EST. 297 S.Y. F.F.



FROM STA. 246+61 TO 248+00 -L- RT
EST. 50 TONS
EST. 92 S.Y. F.F.

NOTE
FOR -L- PROFILE SEE SHEET 33
ALL DRIVEWAY RADII ARE 15' UNLESS NOTED

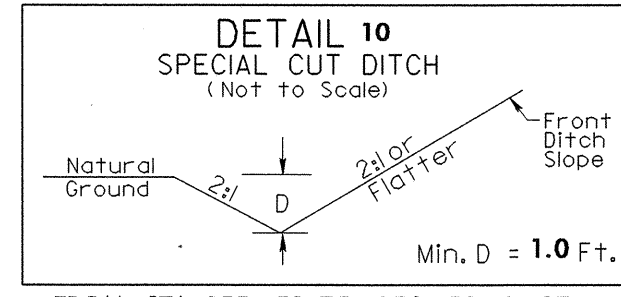
8/17/99

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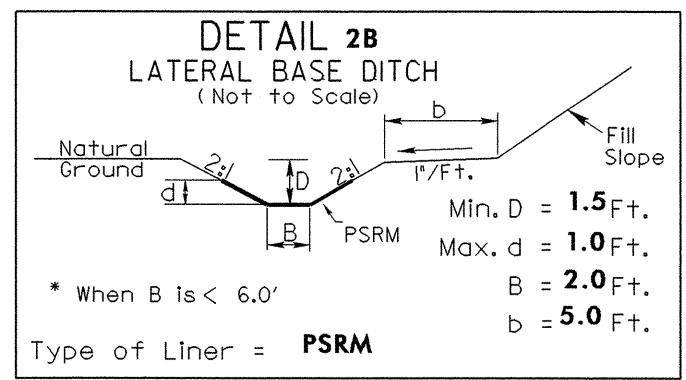
UTILITIES BY OTHERS

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

-L-
PI Sta 261+0.50
 $\Delta = 0'08''52.8''$ (RT)
 $D = 0'13''13.3''$
 $L = 67.16'$
 $T = 33.58'$
 $R = 26,000.00'$
SE=



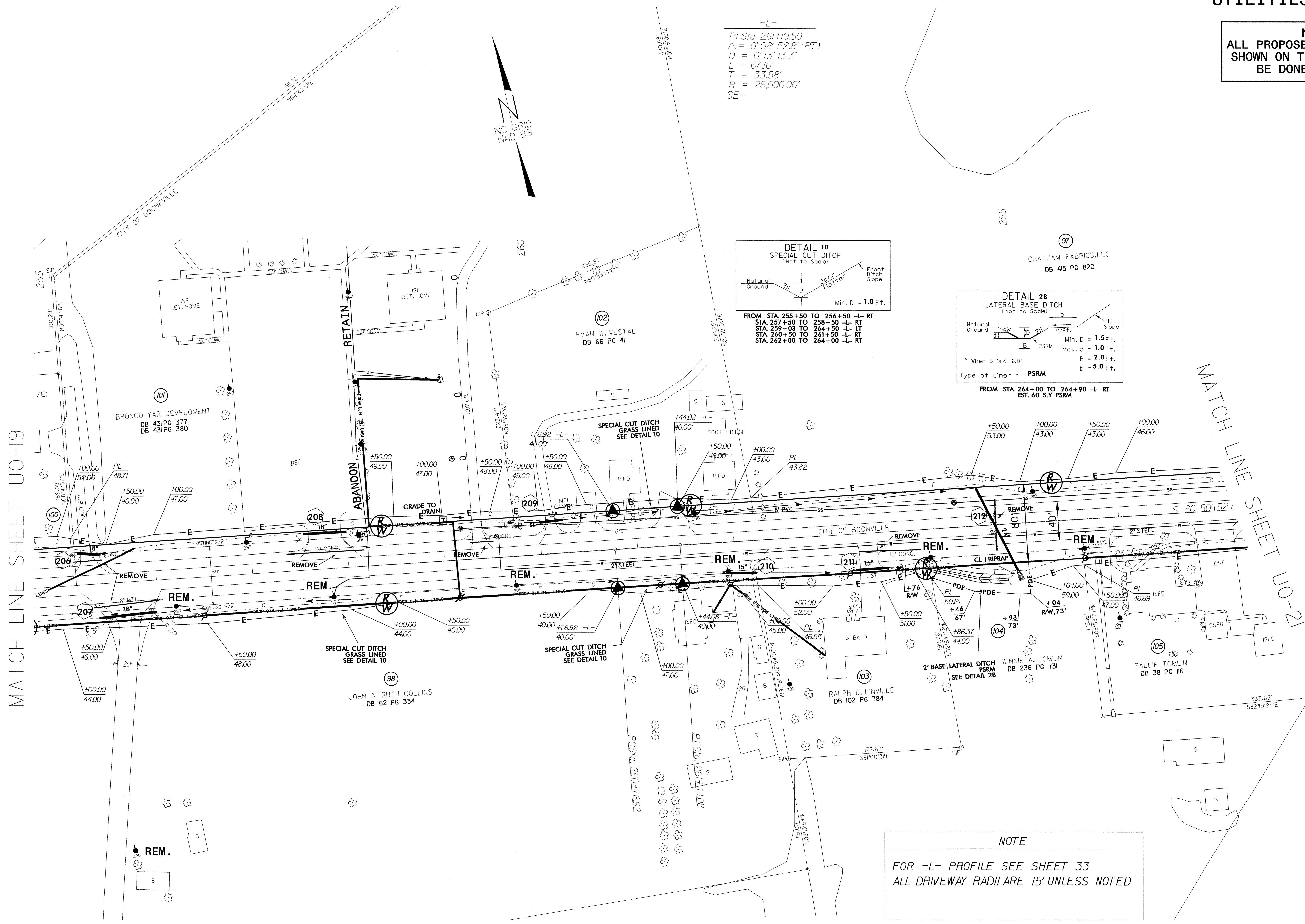
FROM STA. 255+50 TO 256+50 -L- RT
STA. 257+50 TO 258+50 -L- RT
STA. 259+03 TO 264+50 -L- LT
STA. 260+50 TO 261+50 -L- RT
STA. 262+00 TO 264+00 -L- RT



FROM STA. 264+00 TO 264+90 -L- RT
EST. 60 S.Y. PSRM

MATCH LINE SHEET U0-19

MATCH LINE SHEET U0-21



NOTE
FOR -L- PROFILE SEE SHEET 33
ALL DRIVEWAY RADII ARE 15' UNLESS NOTED

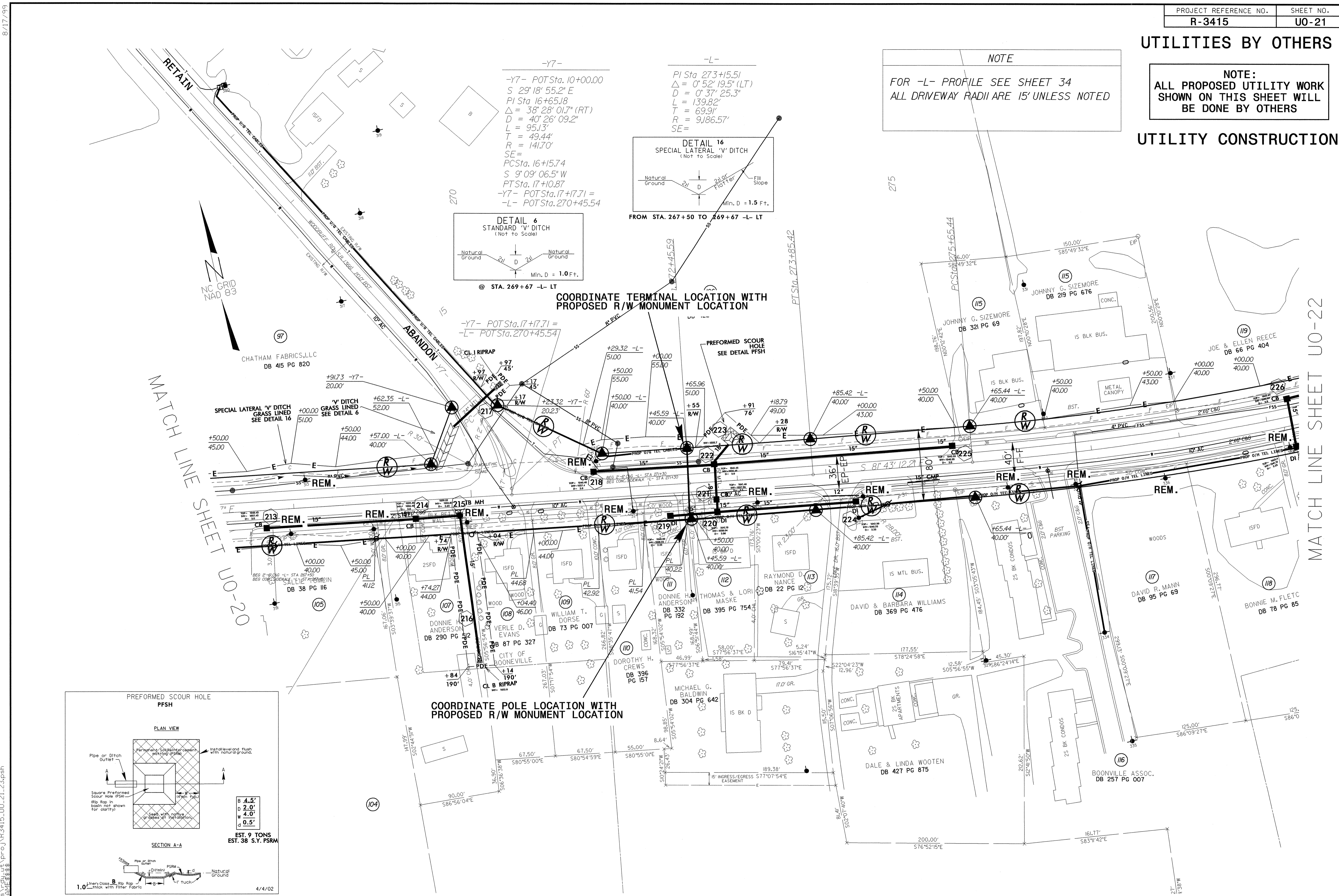
8/17/99
I:\MAY-2006 1141
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3:33:58 PM 8/17/99

UTILITIES BY OTHERS

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

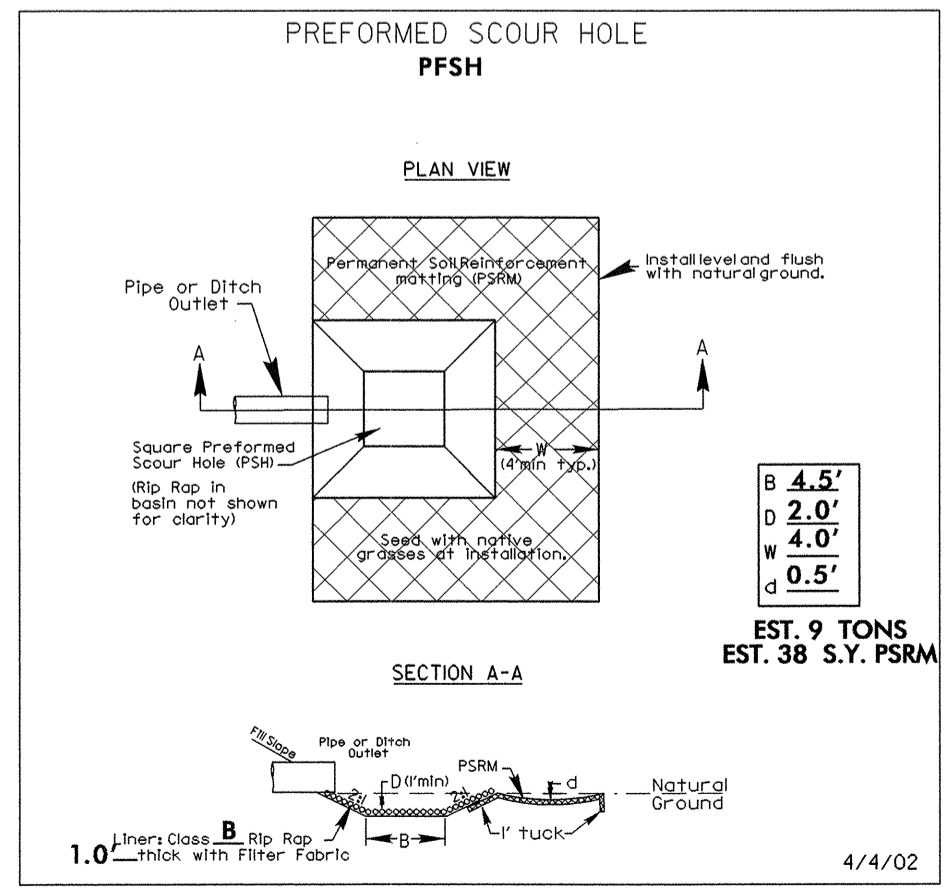
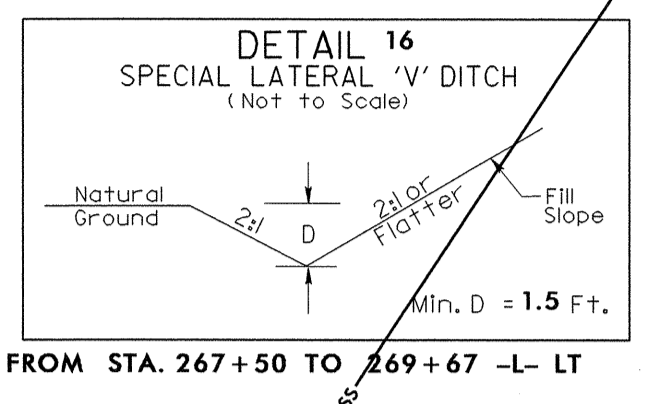
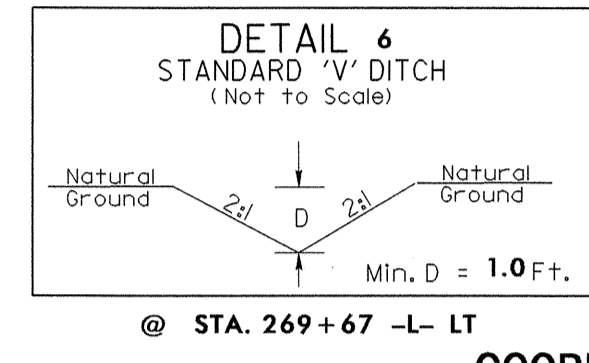
UTILITY CONSTRUCTION

NOTE
FOR -L- PROFILE SEE SHEET 34
ALL DRIVEWAY RADII ARE 15' UNLESS NOTED



-Y7-
 -Y7- POT Sta. 10+00.00
 S 29° 18' 55.2" E
 PI Sta 16+65.18
 $\Delta = 38' 28' 01.7"$ (RT)
 $D = 40' 26' 09.2"$
 $L = 95.13'$
 $T = 49.44'$
 $R = 141.70'$
 $SE =$
 PC Sta. 16+15.74
 S 9° 09' 06.5" W
 PT Sta. 17+10.87
 -Y7- POT Sta. 17+17.71 =
 -L- POT Sta. 270+45.54

-L-
 PI Sta 273+15.51
 $\Delta = 0' 52' 19.5"$ (LT)
 $D = 0' 37' 25.3"$
 $L = 139.82'$
 $T = 69.97'$
 $R = 9,186.57'$
 $SE =$



MATCH LINE SHEET U0-20

MATCH LINE SHEET U0-22

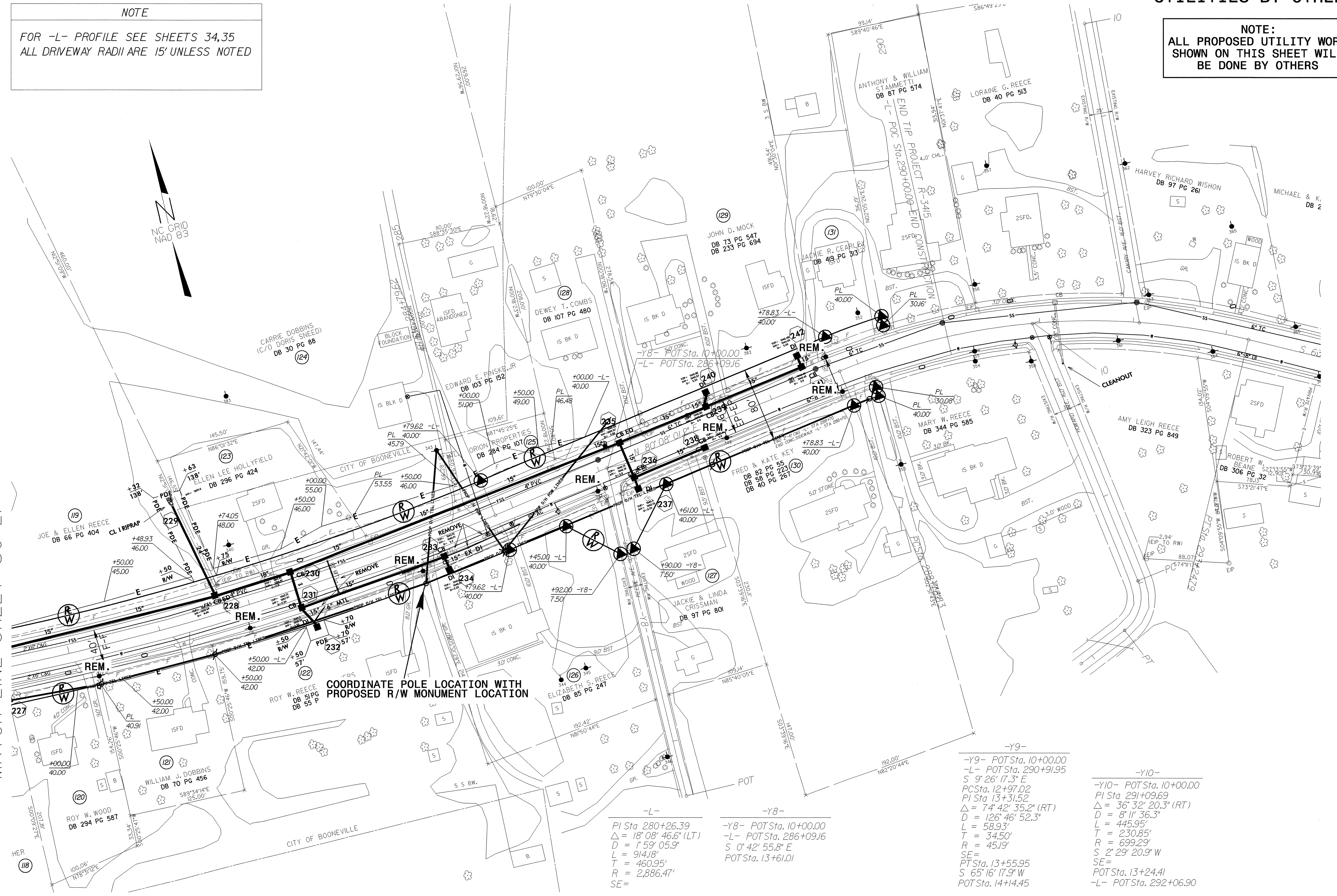
8/17/99
 I:\MAY-2006\1155
 P:\Utilities\PS-BO\proj\R3415_U0_21_23.psh
 \$\$\$\$USERRNA\$\$\$\$

UTILITIES BY OTHERS

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

NOTE
FOR -L- PROFILE SEE SHEETS 34,35
ALL DRIVEWAY RADII ARE 15' UNLESS NOTED

MATCH LINE SHEET UO-21



COORDINATE POLE LOCATION WITH
PROPOSED R/W MONUMENT LOCATION

-L-
PI Sta 280+26.39
Δ = 18' 08" 46.6" (LT)
D = 1' 59" 05.9"
L = 914.18'
T = 460.95'
R = 2,886.47'
SE =

-Y8-
-Y8- POT Sta. 10+00.00
-L- POT Sta. 286+09.16
S 0° 42' 55.8" E
POT Sta. 13+61.01

-Y9-
-Y9- POT Sta. 10+00.00
-L- POT Sta. 290+91.95
S 9° 26' 17.3" E
PC Sta. 12+97.02
PI Sta. 13+31.52
Δ = 74' 42" 35.2" (RT)
D = 126' 46" 52.3"
L = 58.93'
T = 34.50'
R = 45.19'
SE =
PT Sta. 13+55.95
S 65° 16' 17.9" W
POT Sta. 14+14.45

-Y10-
-Y10- POT Sta. 10+00.00
PI Sta. 291+09.69
Δ = 36' 32" 20.3" (RT)
D = 8' 11" 36.3"
L = 445.95'
T = 230.85'
R = 699.29'
S 2° 29' 20.9" W
SE =
POT Sta. 13+24.41
-L- POT Sta. 292+06.90

8/17/99
11-MAY-2006 11:58
C:\Users\j\p\proj\NR3415_UO_22_24.psh