

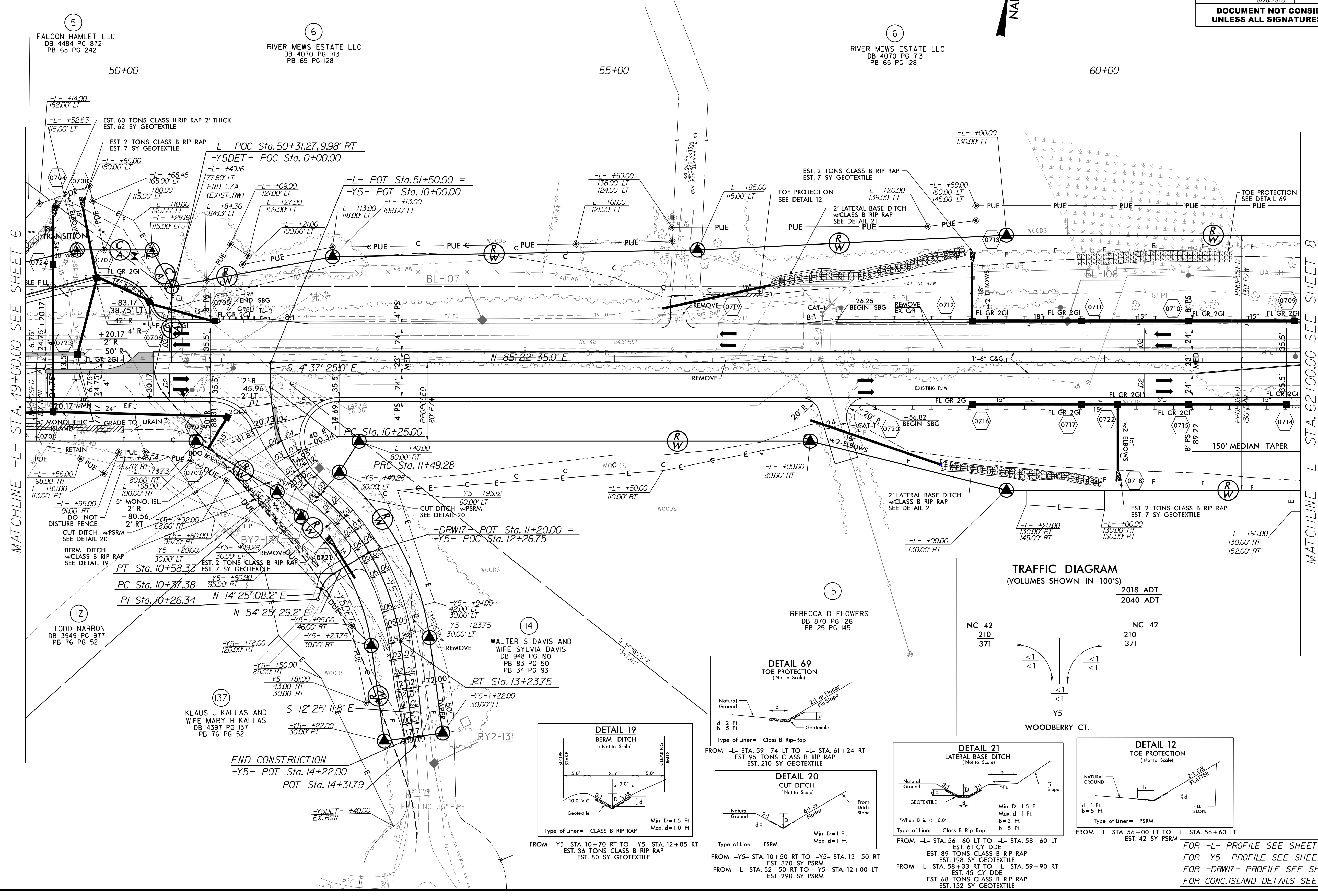
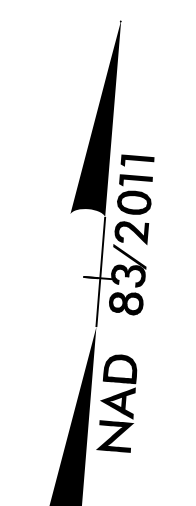
**This electronic collection of documents is provided
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with their signature on that page.**

**This file or an individual page
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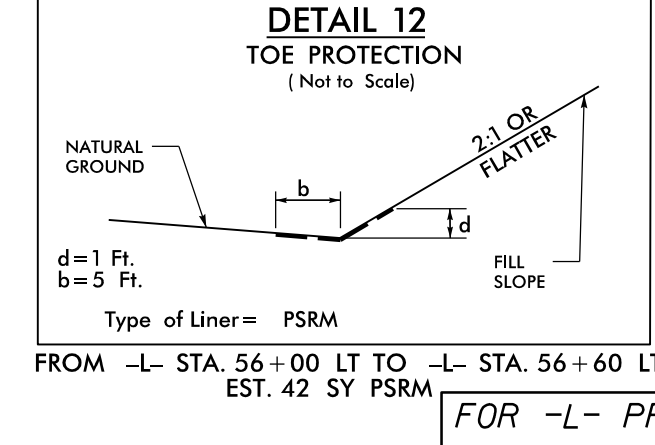
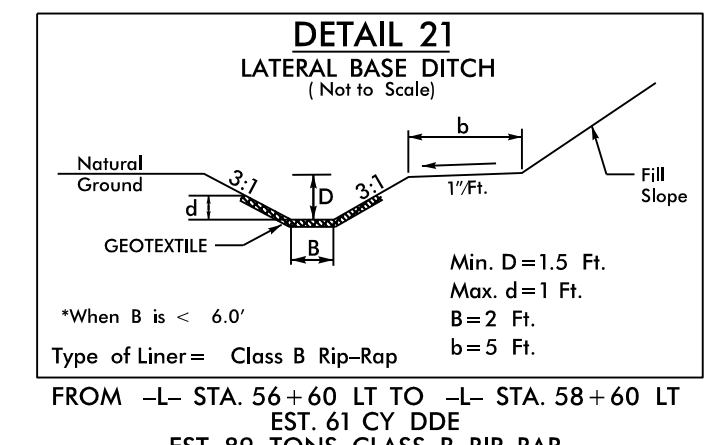
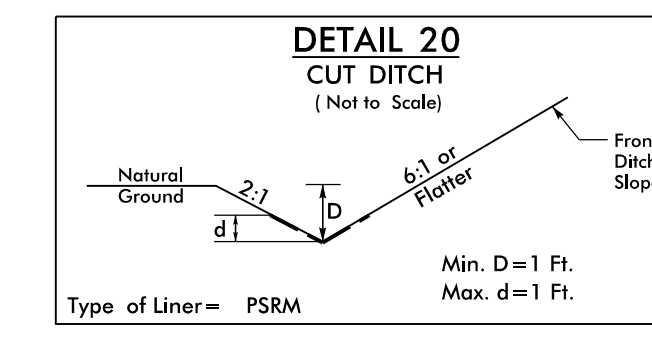
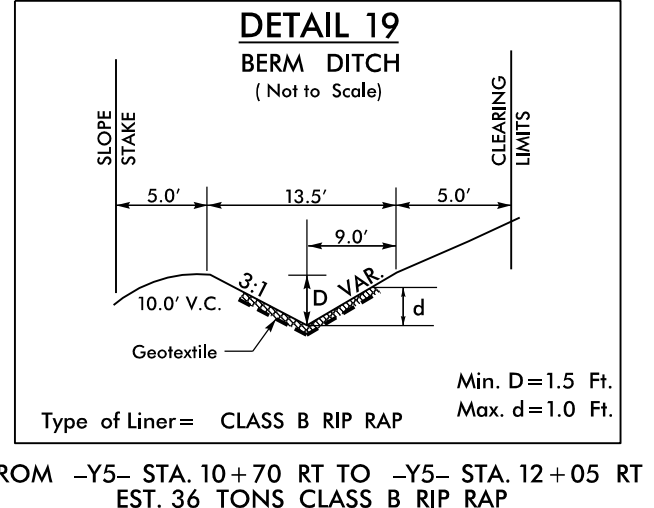
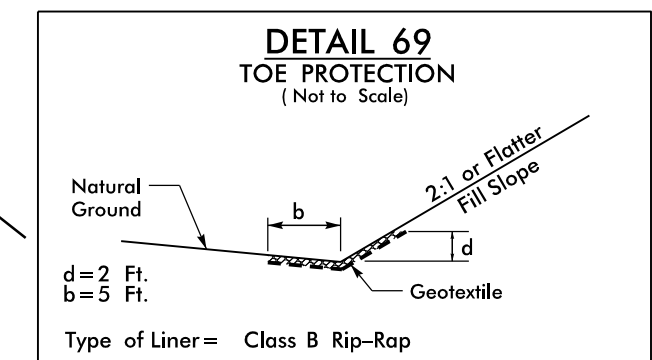
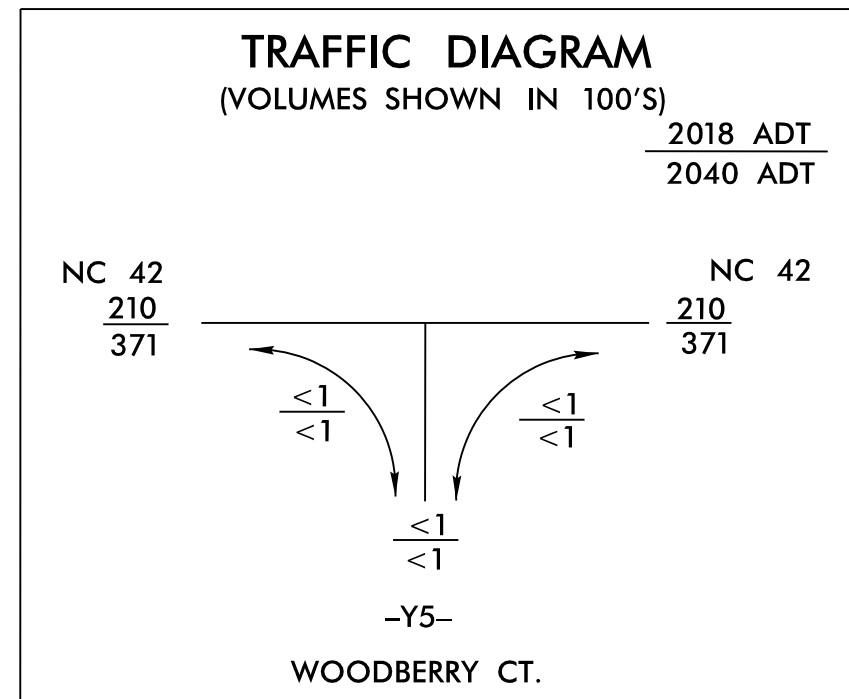
-Y5- WOODBERRY CT

PI Sta 10+91.31	PI Sta 12+40.57	-DRW17-
$\Delta = 49^{\circ} 26' 53.2" (LT)$	$\Delta = 41^{\circ} 39' 06.4" (RT)$	PI Sta 10+48.30
D = 39' 47" 19.4"	D = 23' 52" 23.7"	L = 20.95'
L = 124.28'	L = 174.47'	R = 300.00'
T = 66.31'	T = 91.29'	
R = 144.00'	R = 240.00'	



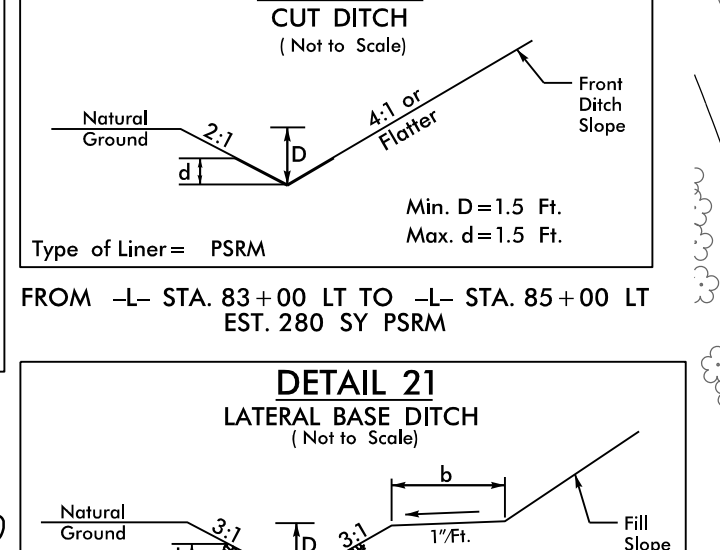
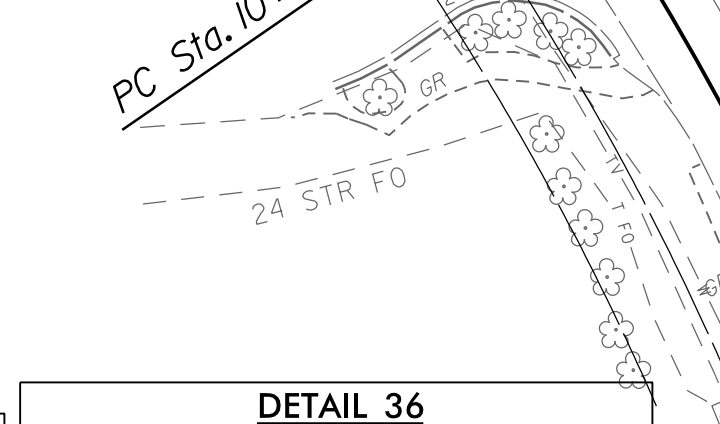
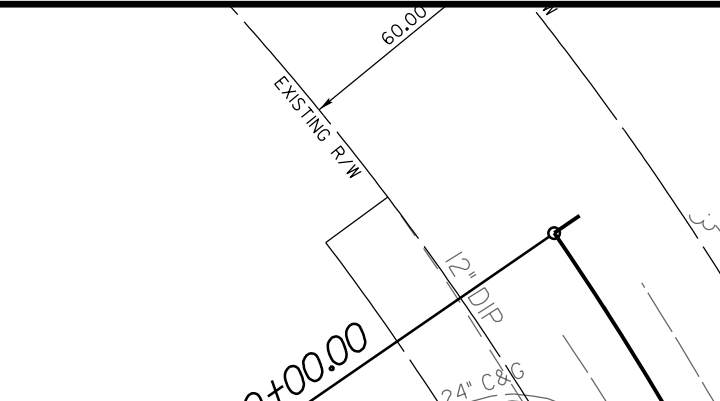
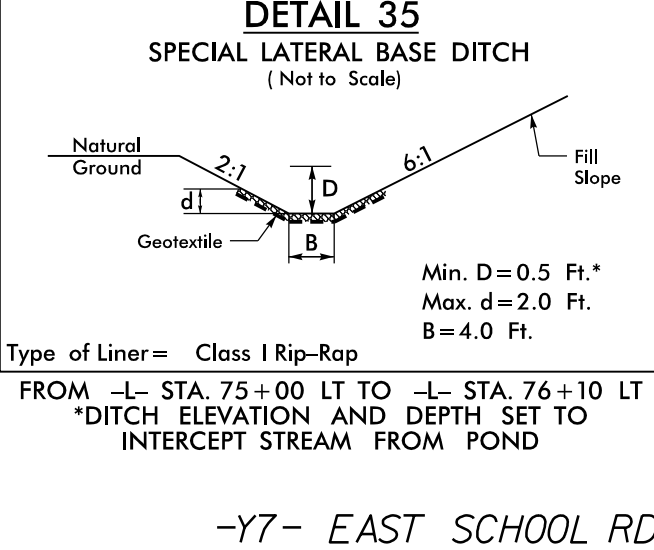
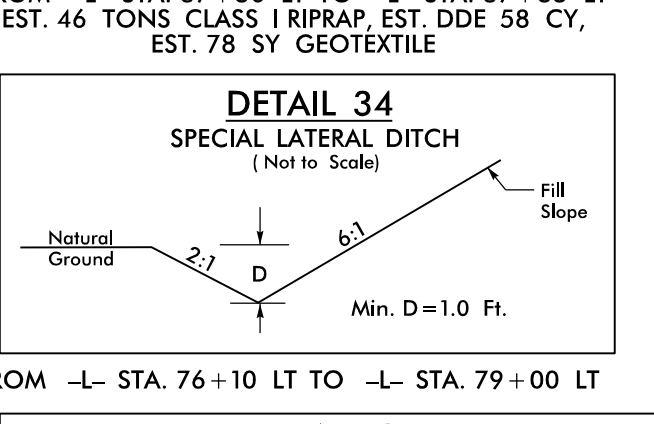
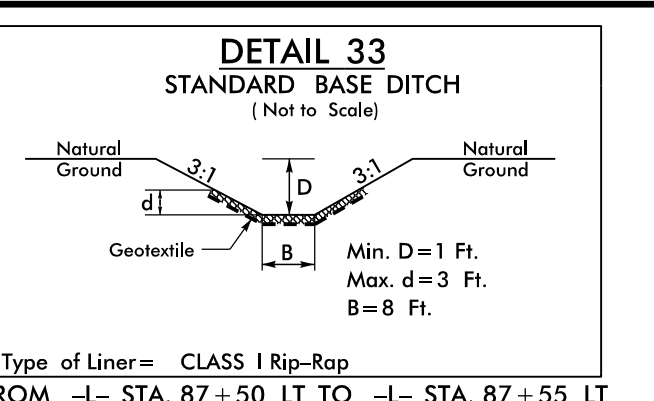
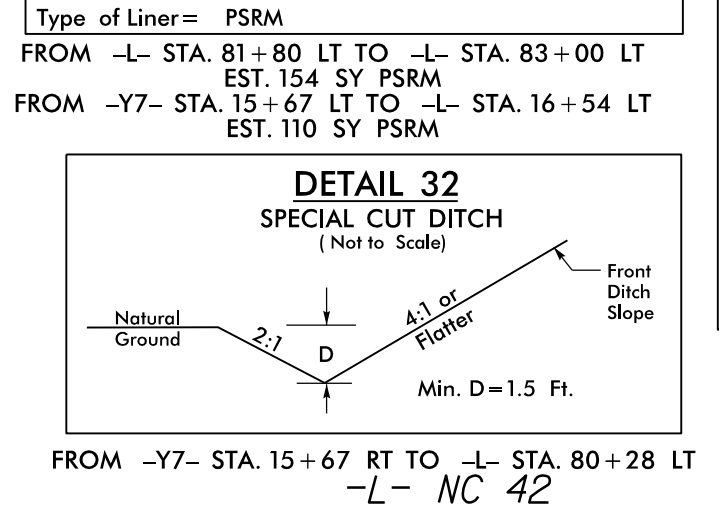
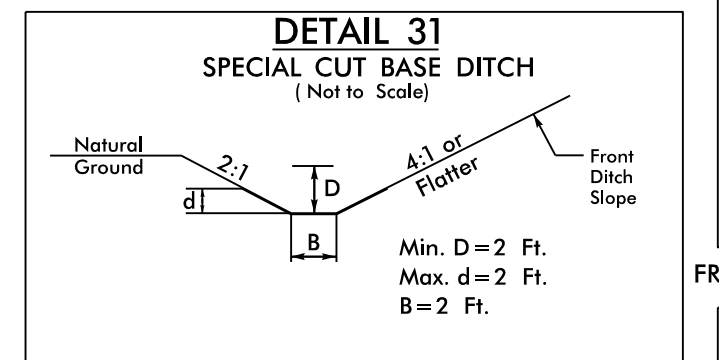
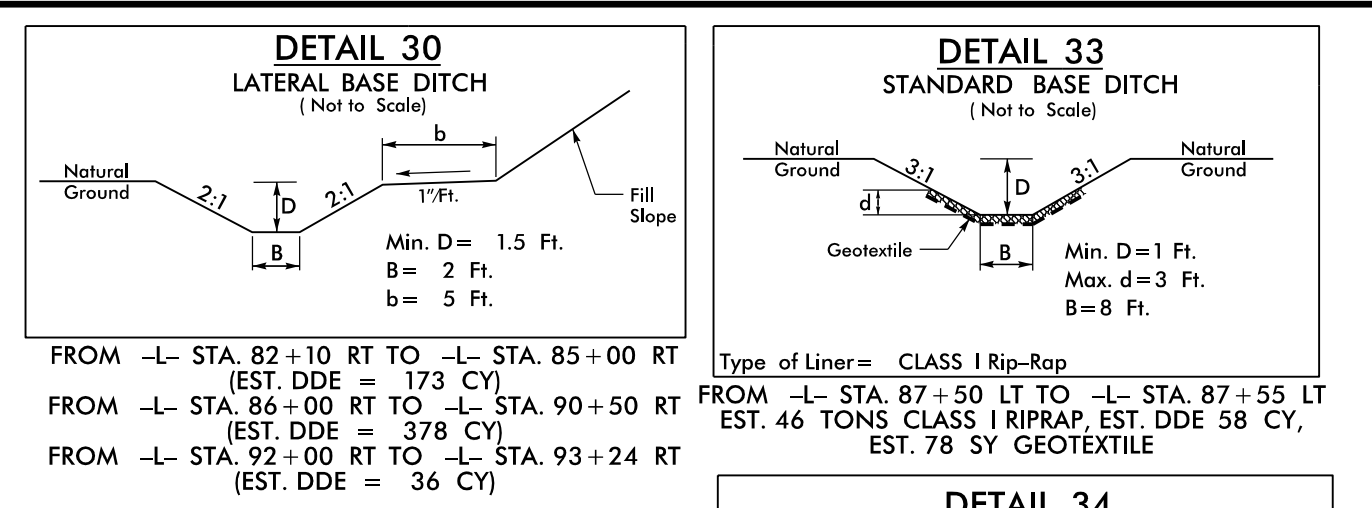
MATCHLINE -L- STA. 49+00.00 SEE SHEET 6

MATCHLINE -L- STA. 62+00.00 SEE SHEET 8



FOR -L- PROFILE SEE SHEET 25
 FOR -Y5- PROFILE SEE SHEET 33
 FOR -DRW17- PROFILE SEE SHEET 40
 FOR CONC. ISLAND DETAILS SEE SHEET 2B-4

8/17/19



PI Sta 76+02.21
Δ = 3° 53' 59.4" (LT)
D = 1' 00" 00.4"
L = 389.95'
T = 195.05'
R = 5,729.00'
e = 3%
Runoff = 162'

PI Sta 79+93.48
Δ = 3° 55' 35.2" (RT)
D = 1' 00" 00.4"
L = 392.61'
T = 196.38'
R = 5,729.00'
e = 3%
Runoff = 162'

PI Sta 12+47.04
Δ = 35° 17' 22.8" (RT)
D = 7' 22' 38.3"
L = 478.36'
T = 247.04'
R = 776.65'

PI Sta 11+77.40
Δ = 13° 43' 20.5" (LT)
D = 23' 38" 08.6"
L = 58.06'
T = 29.17'
R = 242.41'

PI Sta 12+47.04
Δ = 35° 17' 22.8" (RT)
D = 7' 22' 38.3"
L = 478.36'
T = 247.04'
R = 776.65'

PI Sta 12+47.04
Δ = 35° 17' 22.8" (RT)
D = 7' 22' 38.3"
L = 478.36'
T = 247.04'
R = 776.65'

PI Sta 12+47.04
Δ = 35° 17' 22.8" (RT)
D = 7' 22' 38.3"
L = 478.36'
T = 247.04'
R = 776.65'

PI Sta 12+47.04
Δ = 35° 17' 22.8" (RT)
D = 7' 22' 38.3"
L = 478.36'
T = 247.04'
R = 776.65'

PI Sta 12+47.04
Δ = 35° 17' 22.8" (RT)
D = 7' 22' 38.3"
L = 478.36'
T = 247.04'
R = 776.65'

PI Sta 12+47.04
Δ = 35° 17' 22.8" (RT)
D = 7' 22' 38.3"
L = 478.36'
T = 247.04'
R = 776.65'

PI Sta 12+47.04
Δ = 35° 17' 22.8" (RT)
D = 7' 22' 38.3"
L = 478.36'
T = 247.04'
R = 776.65'

PI Sta 12+47.04
Δ = 35° 17' 22.8" (RT)
D = 7' 22' 38.3"
L = 478.36'
T = 247.04'
R = 776.65'

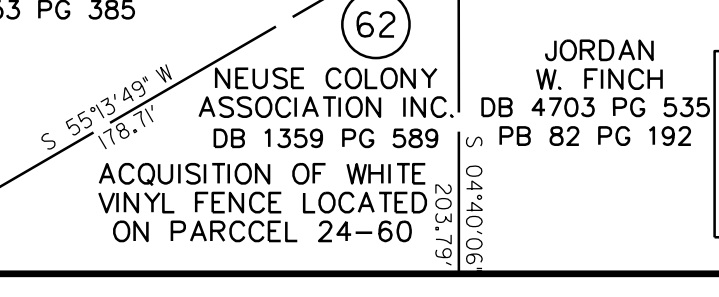
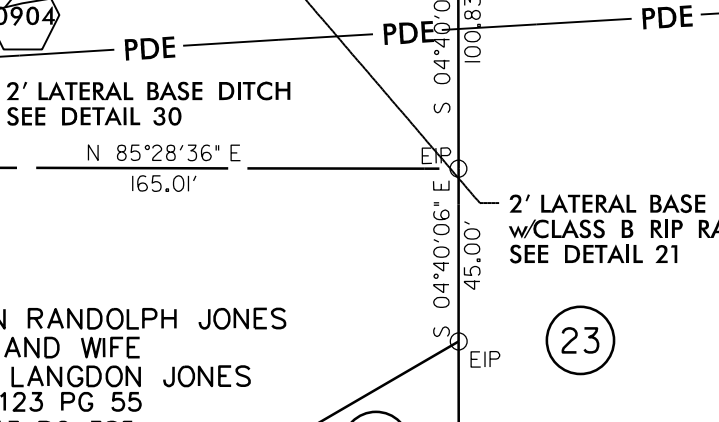
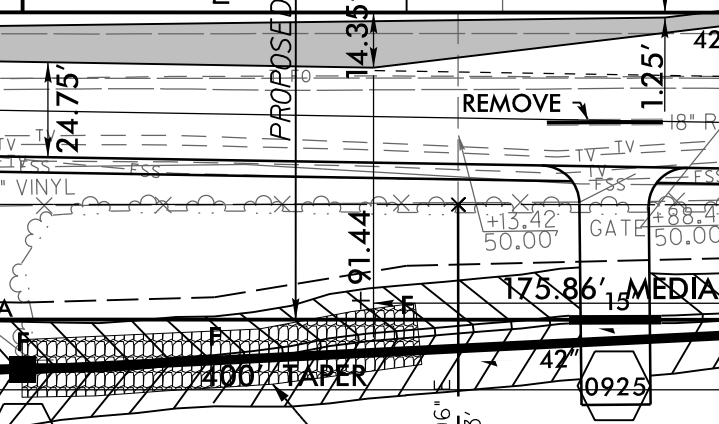
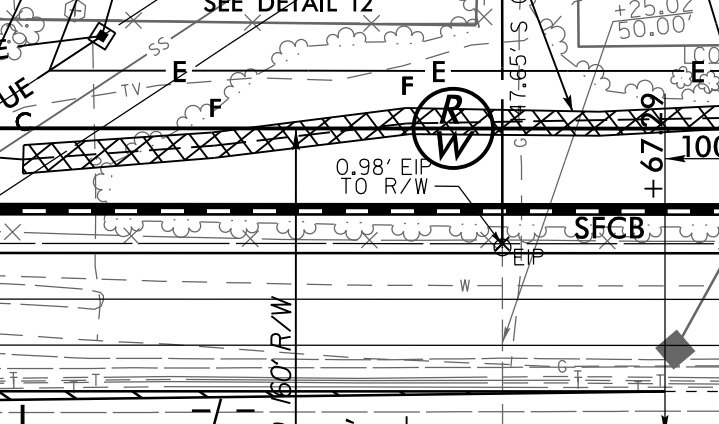
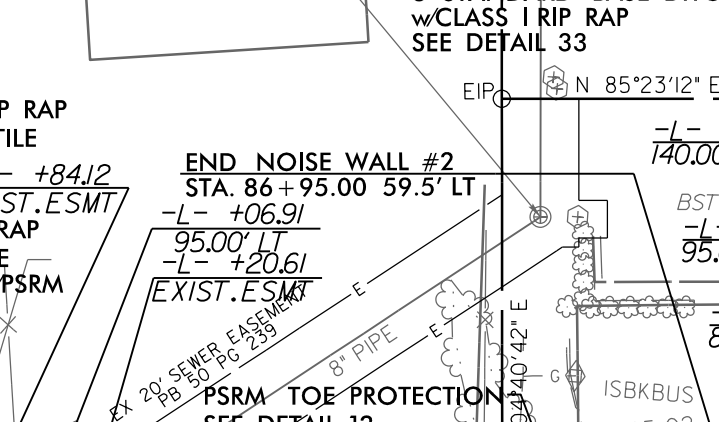
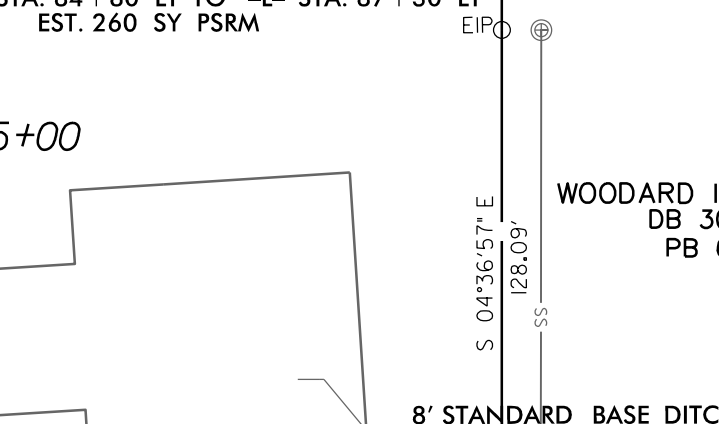
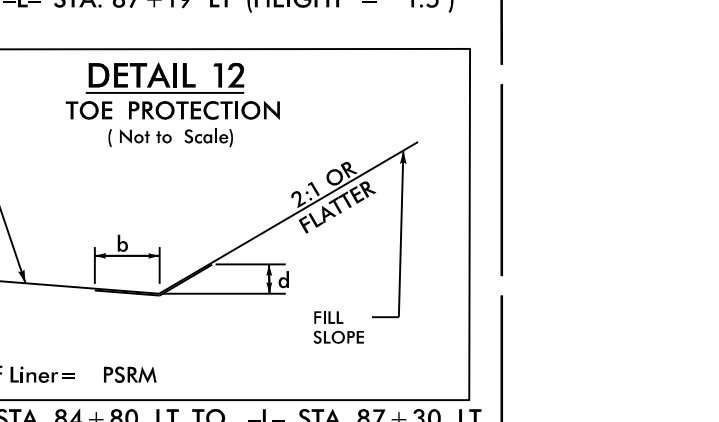
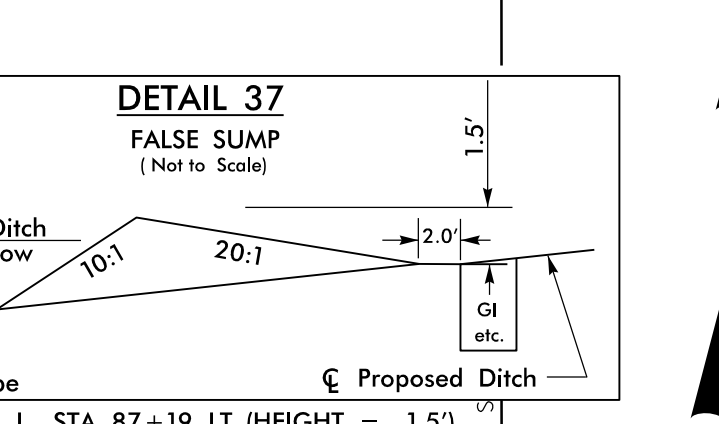
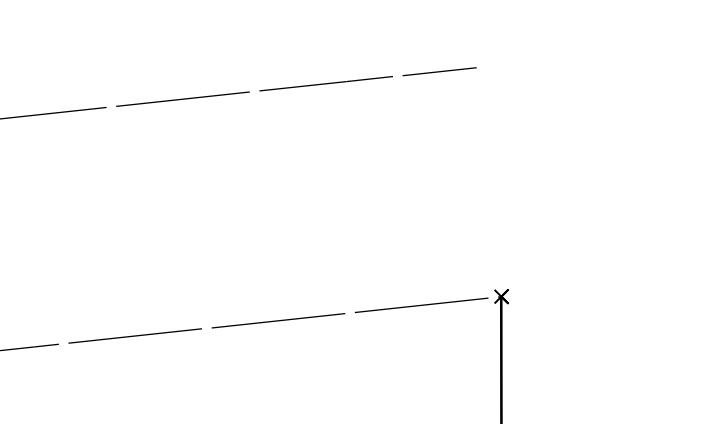
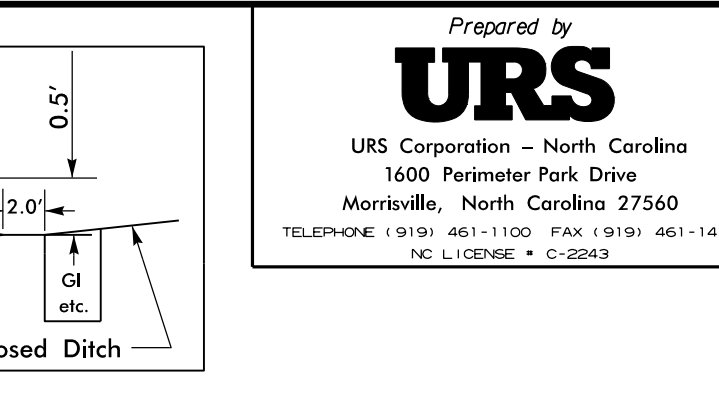
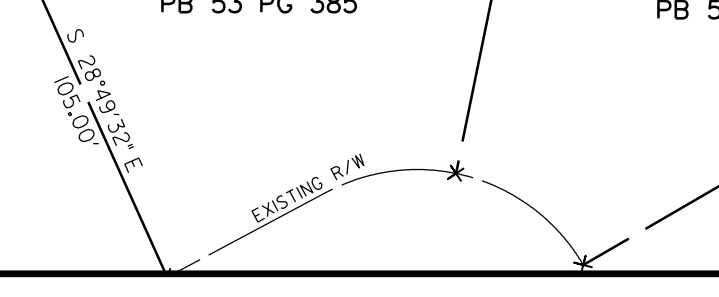
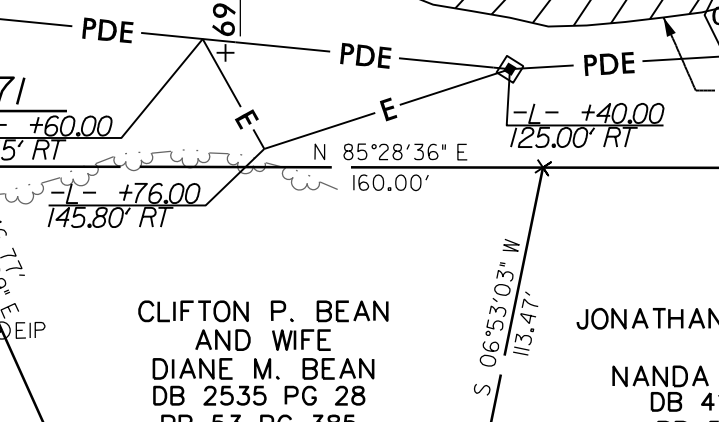
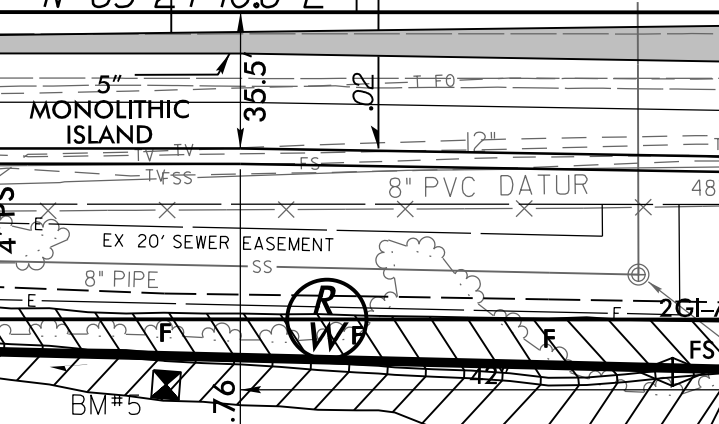
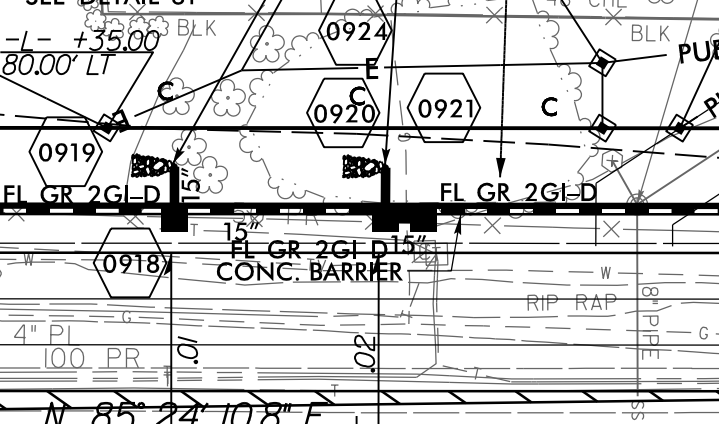
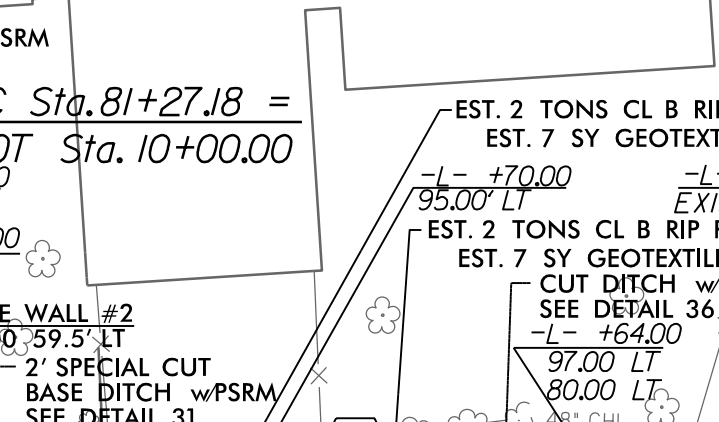
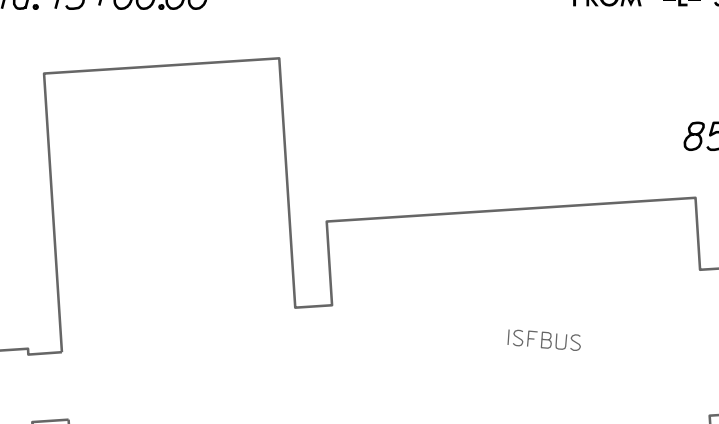
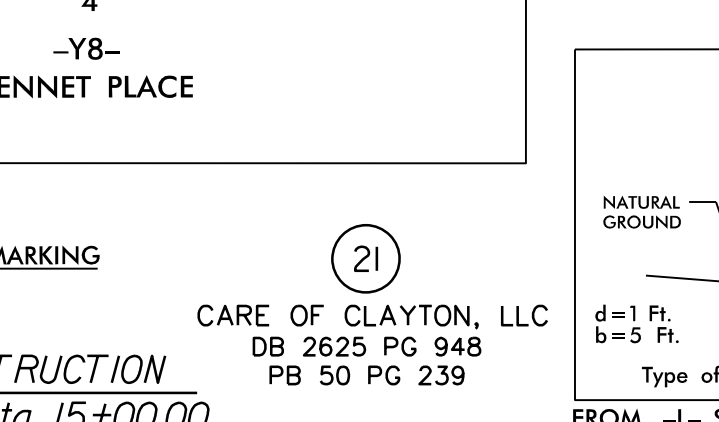
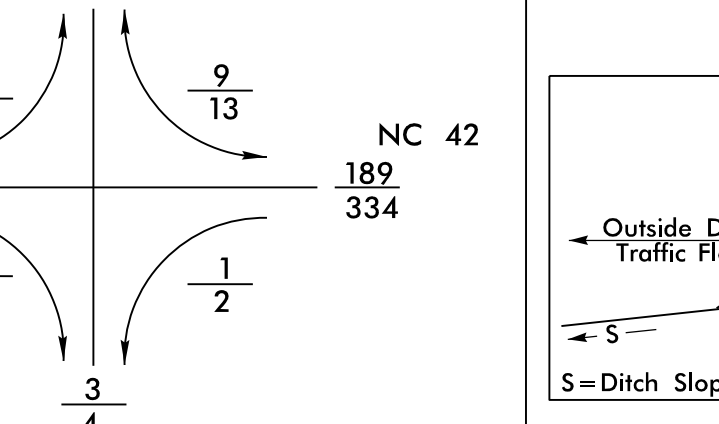
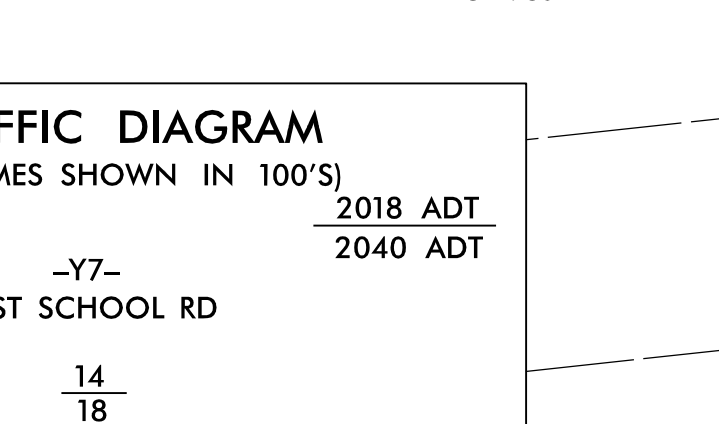
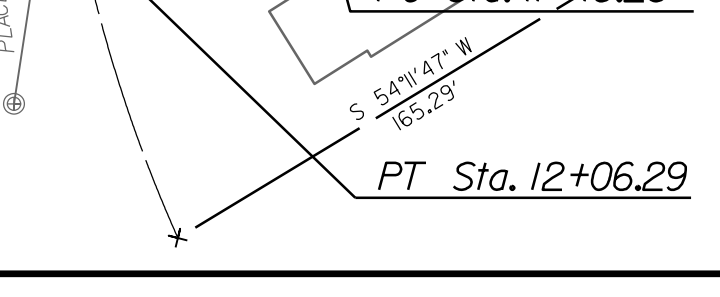
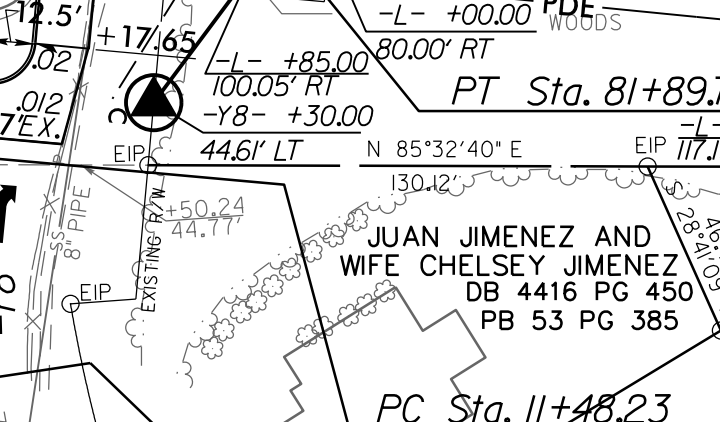
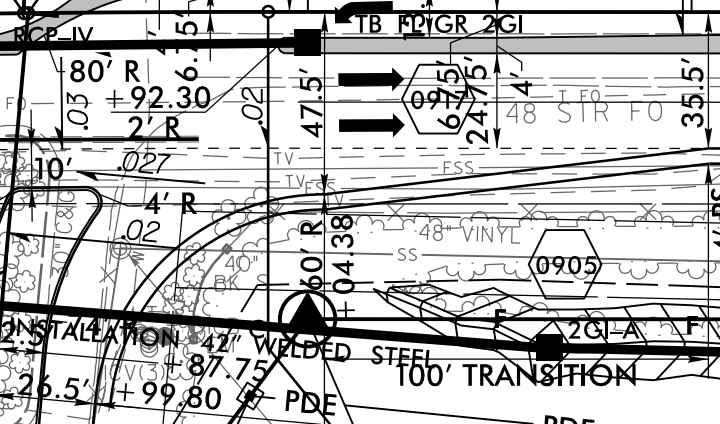
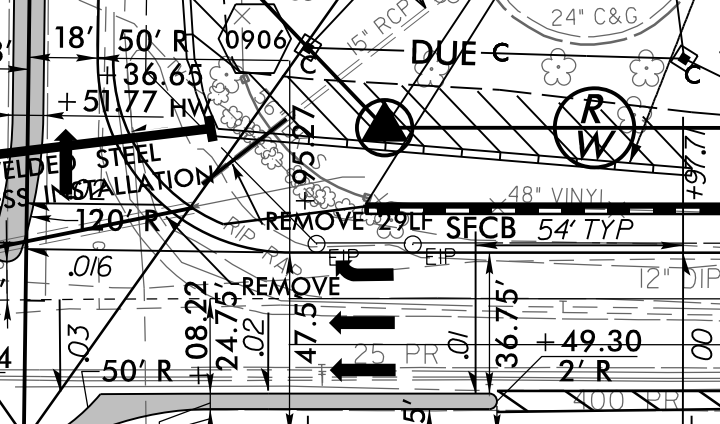
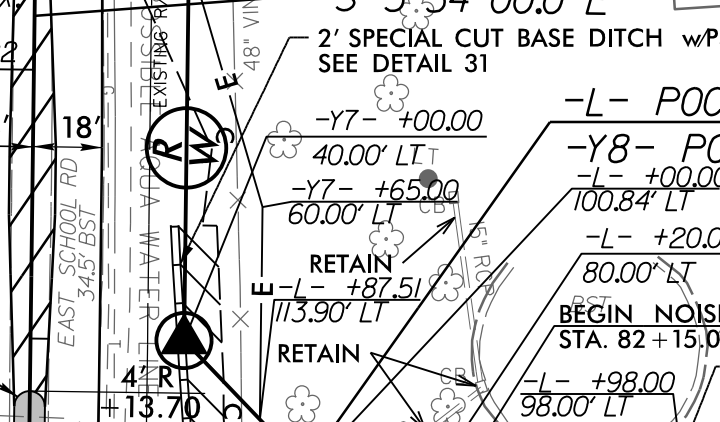
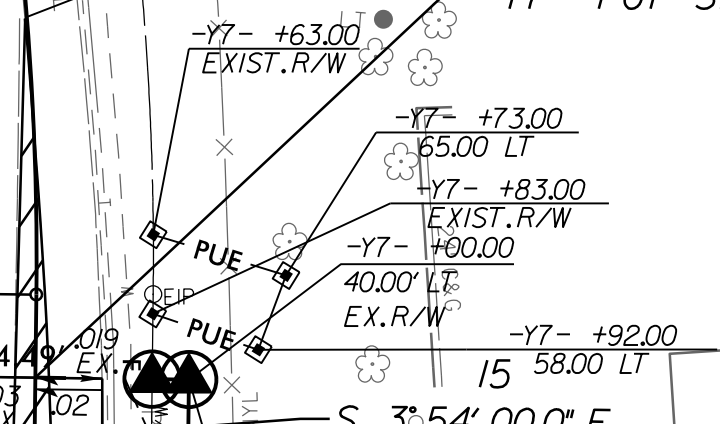
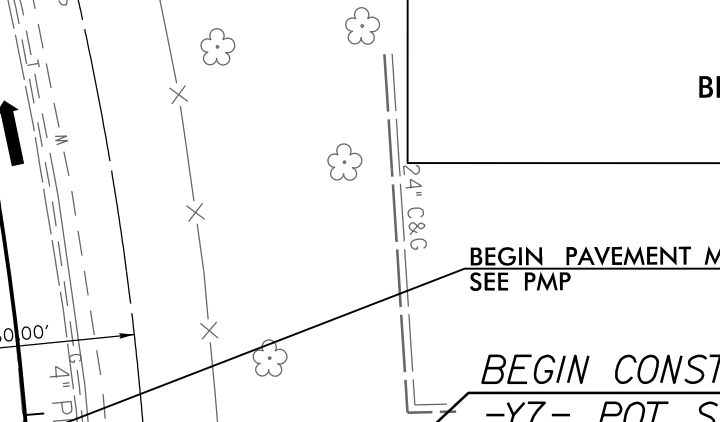
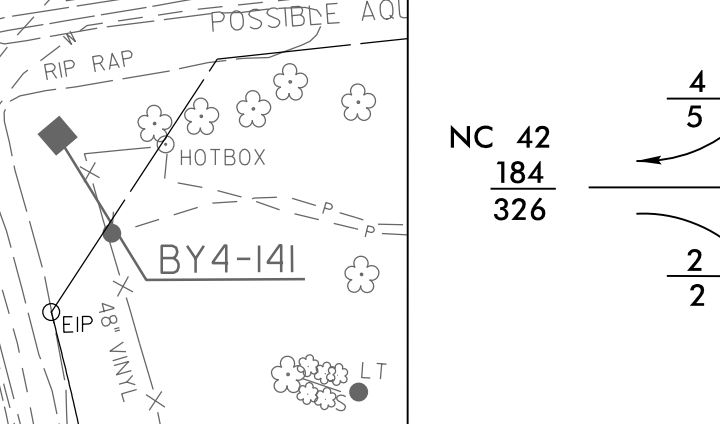
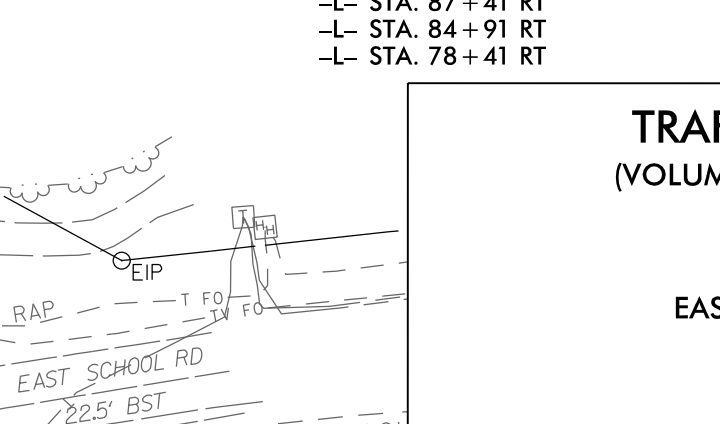
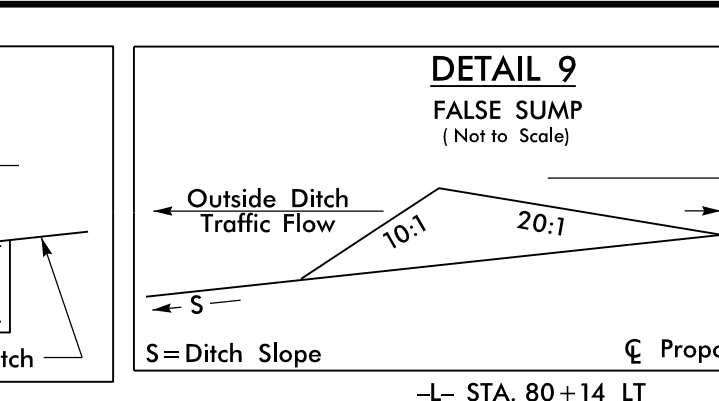
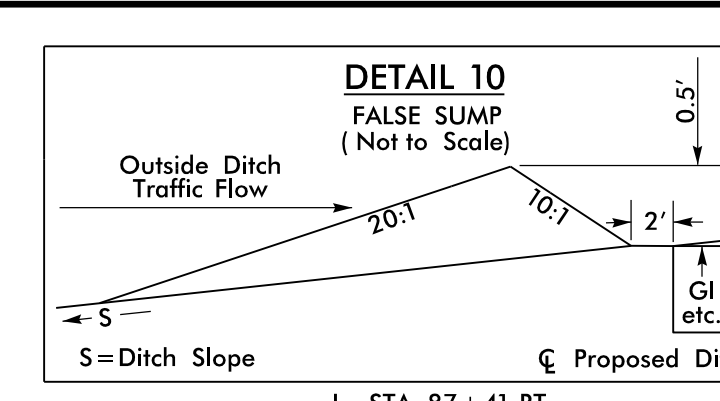
PI Sta 12+47.04
Δ = 35° 17' 22.8" (RT)
D = 7' 22' 38.3"
L = 478.36'
T = 247.04'
R = 776.65'

PI Sta 12+47.04
Δ = 35° 17' 22.8" (RT)
D = 7' 22' 38.3"
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T = 247.04'
R = 776.65'

PI Sta 12+47.04
Δ = 35° 17' 22.8" (RT)
D = 7' 22' 38.3"
L = 478.36'
T = 247.04'
R = 776.65'



PROJECT REFERENCE NO. R-3825B	SHEET NO. 9
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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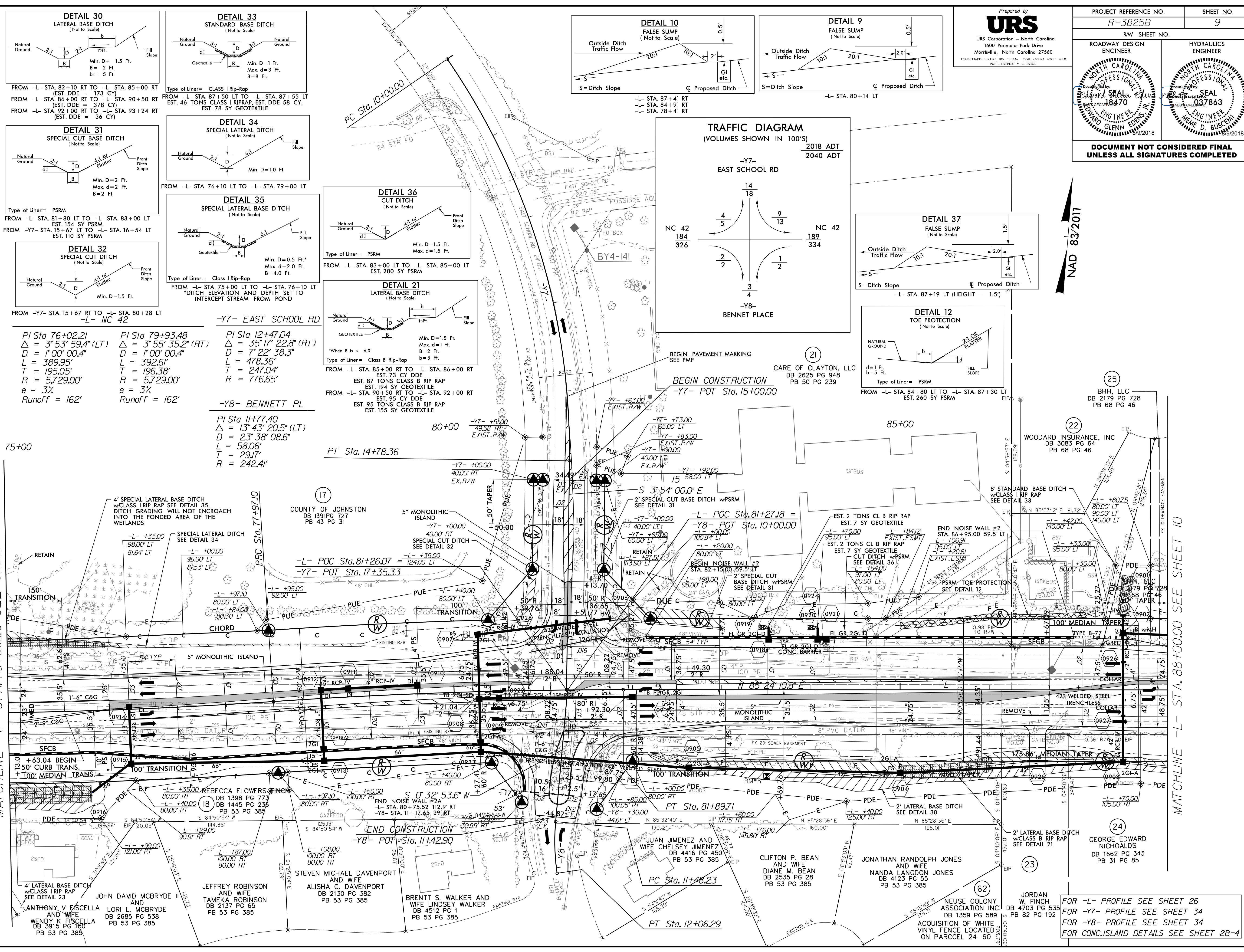
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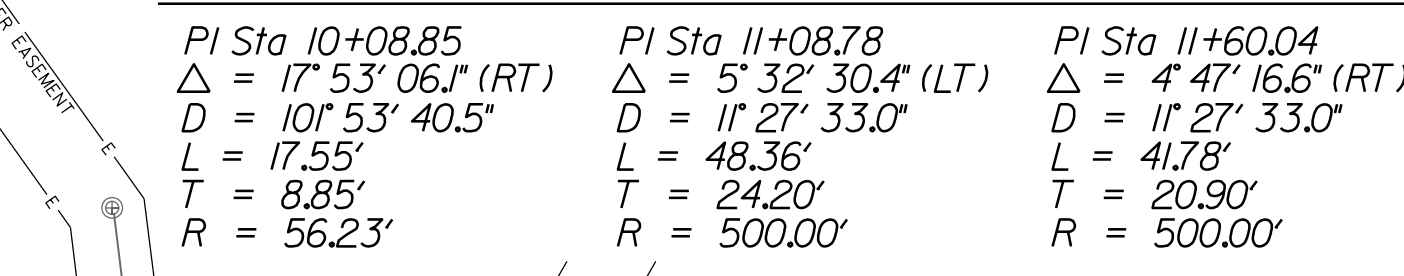
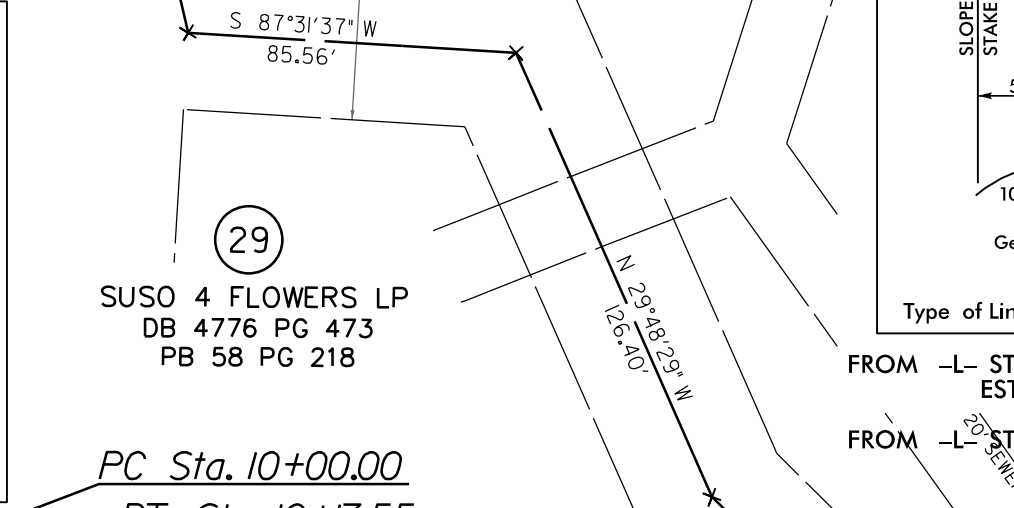
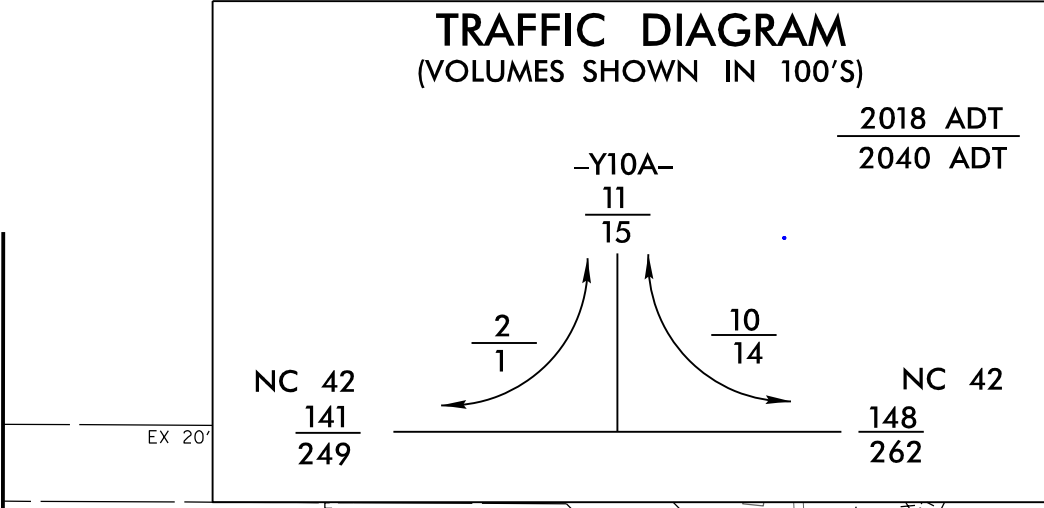
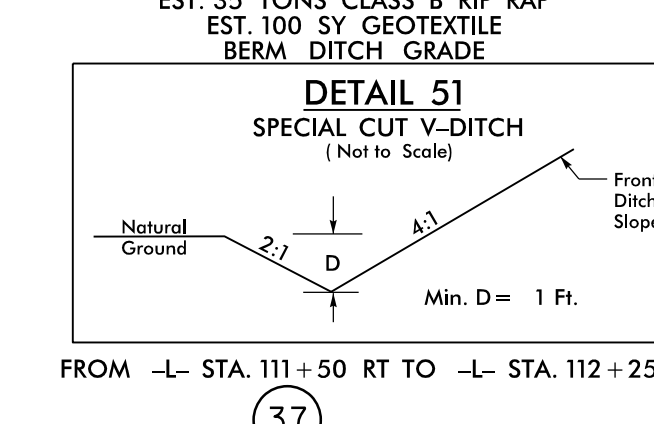
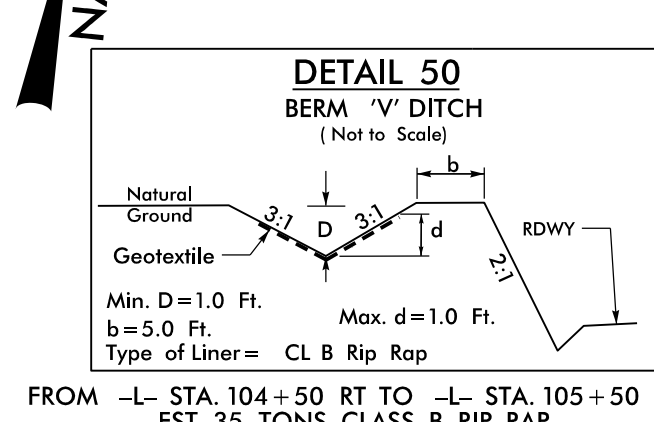
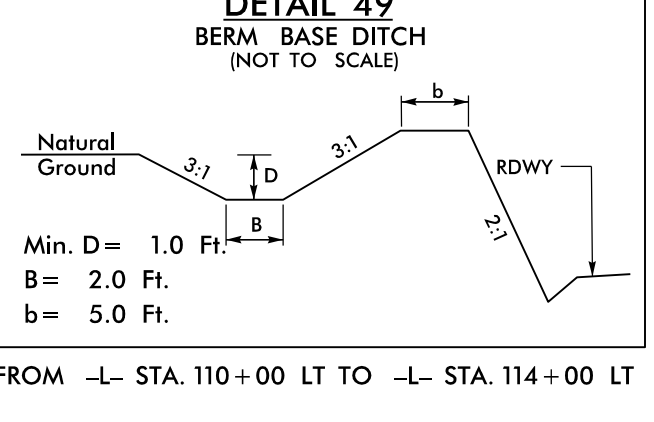
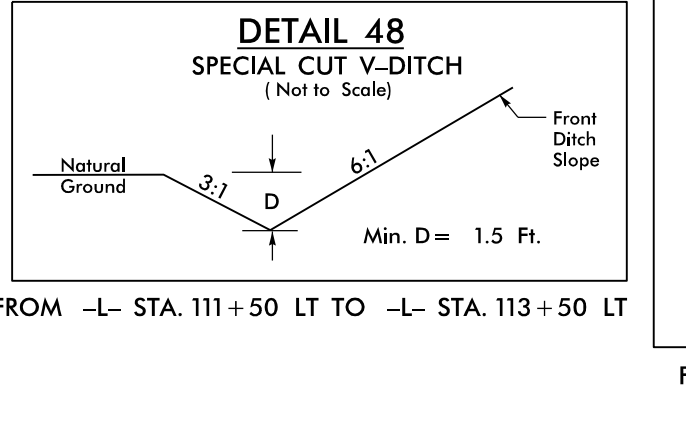
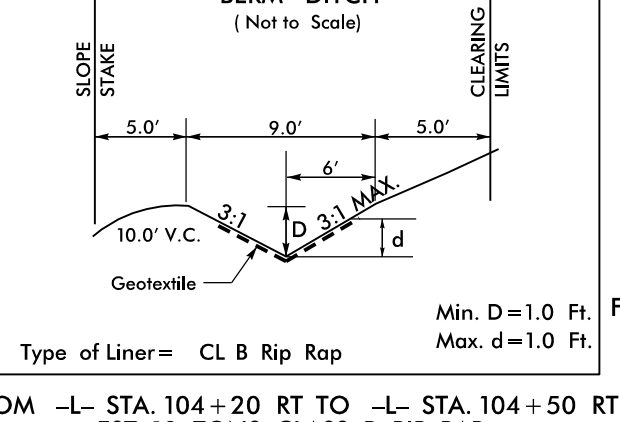
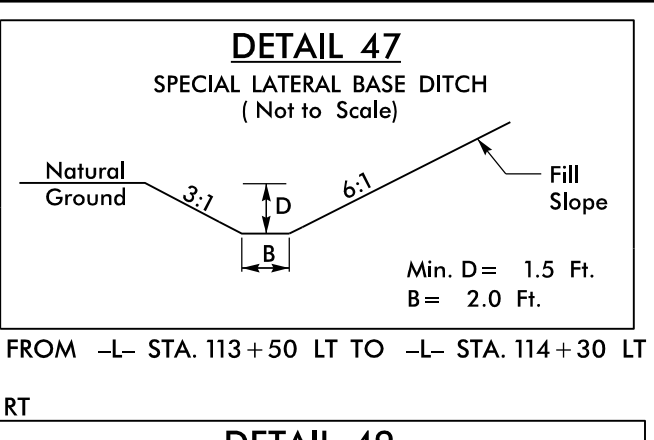
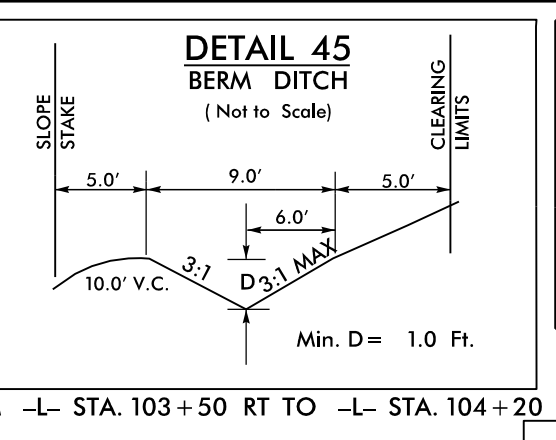
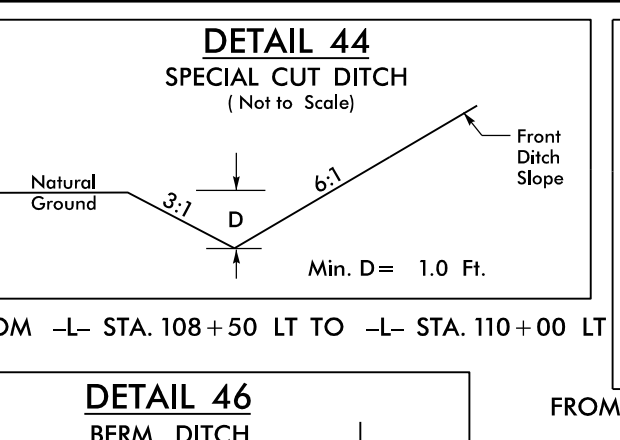
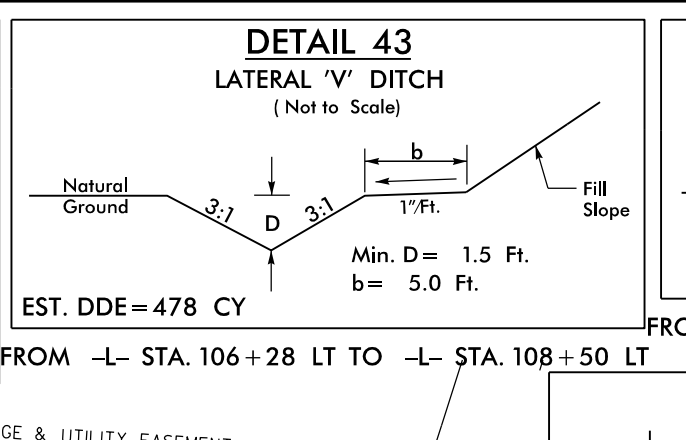
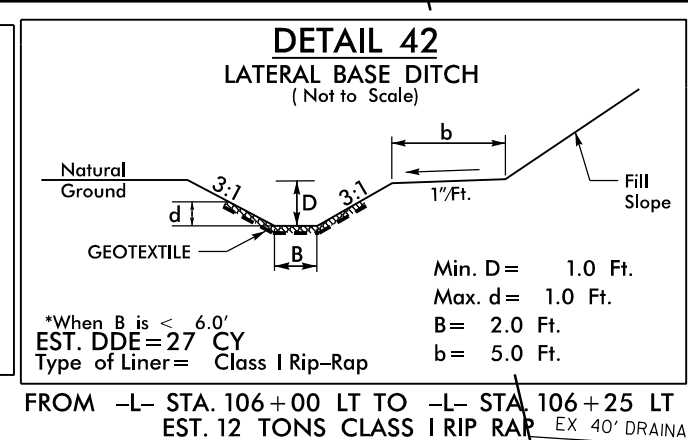
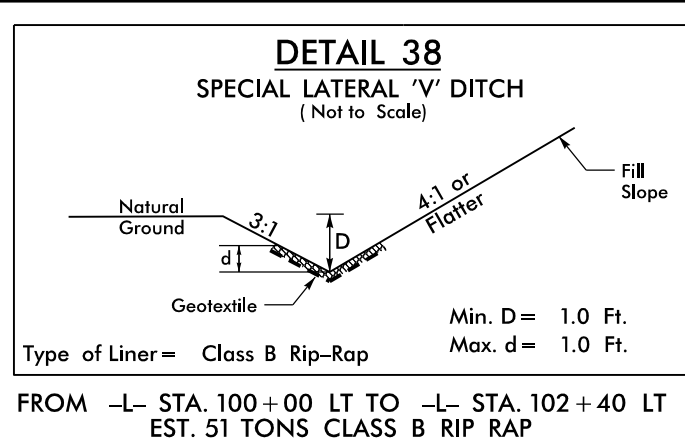
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

MATCHLINE -L- STA. 75+00.00 SEE SHEET 8

MATCHLINE -L- STA. 88+00.00 SEE SHEET 10

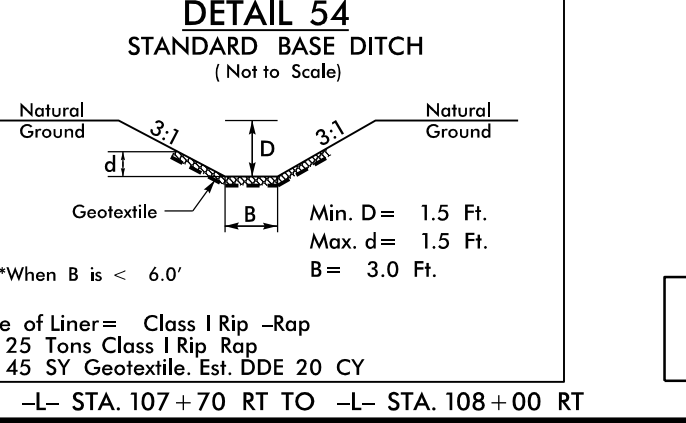
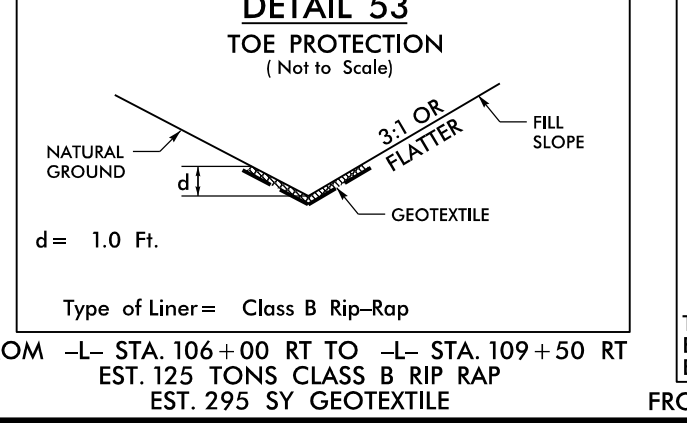
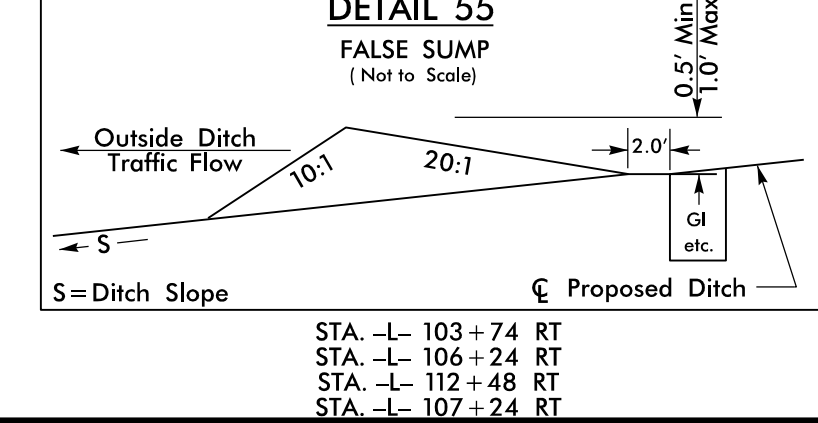
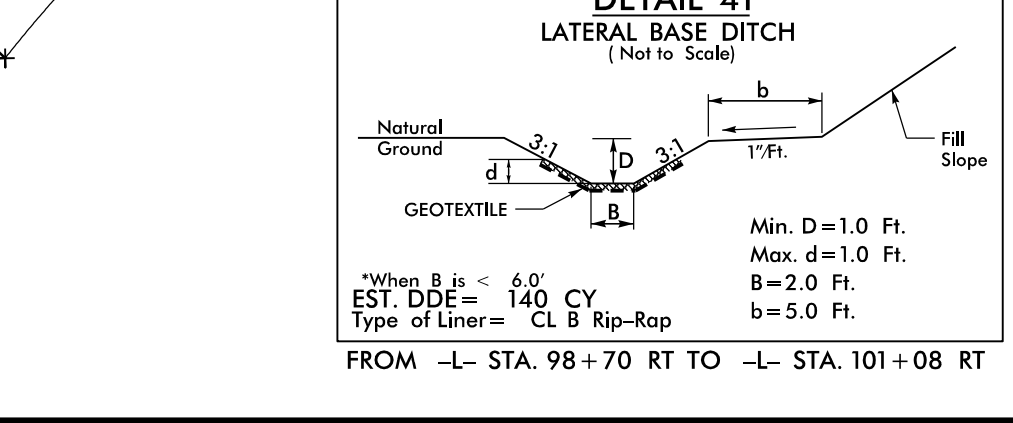
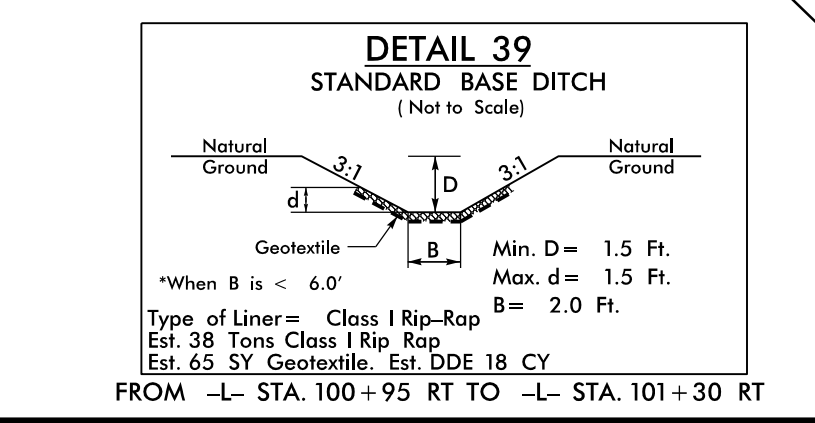
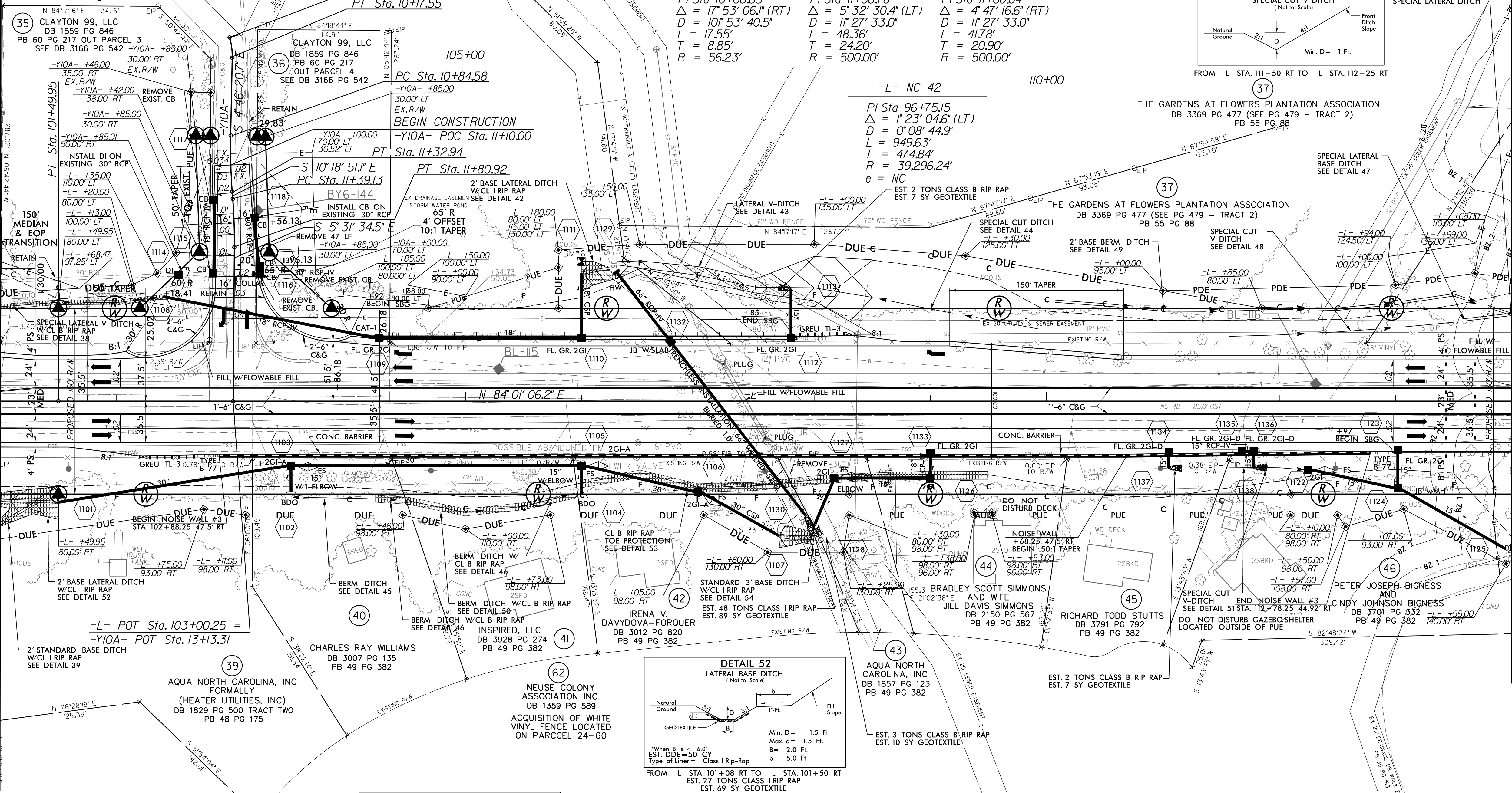


FOR -L- PROFILE SEE SHEET 26
FOR -Y7- PROFILE SEE SHEET 34
FOR -Y8- PROFILE SEE SHEET 34
FOR CONC. ISLAND DETAILS SEE SHEET 2B-4



MATCHLINE -L- STA. 101+00.00 SEE SHEET 10

MATCHLINE -L- STA. 114+00.00 SEE SHEET 12



FOR -L- PROFILE SEE SHEET 27
FOR -Y10A- PROFILE SEE SHEET 35

PROJECT REFERENCE NO. R-3825B SHEET NO. 11

RW SHEET NO.

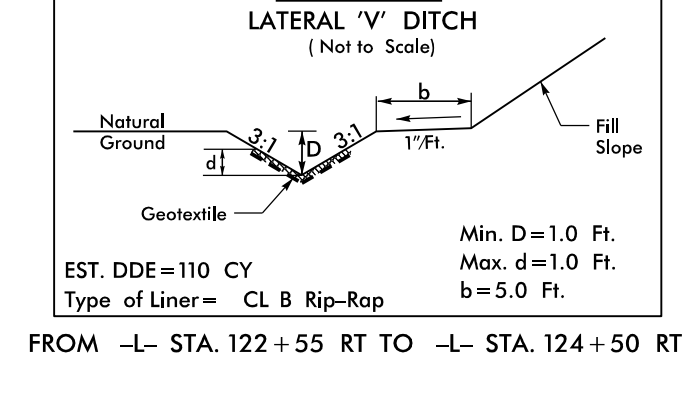
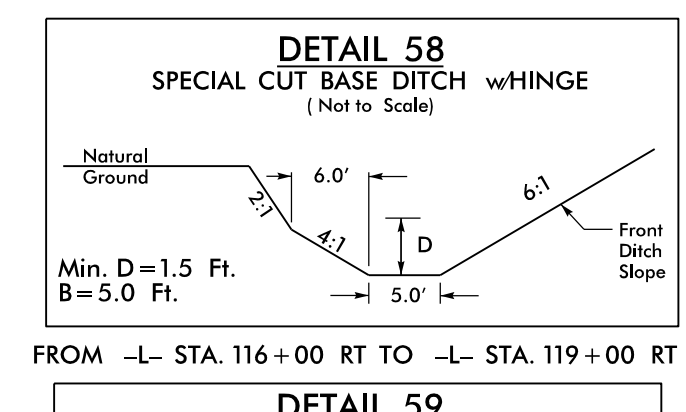
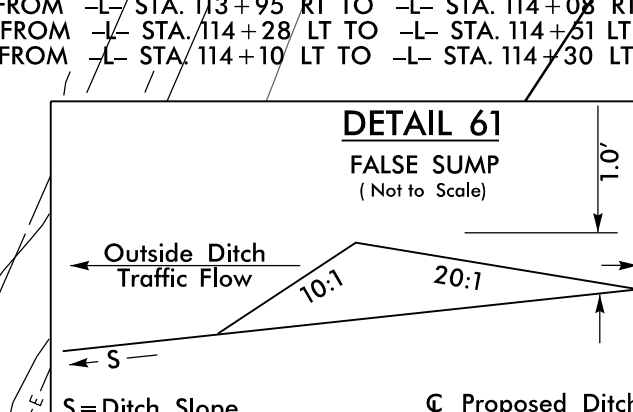
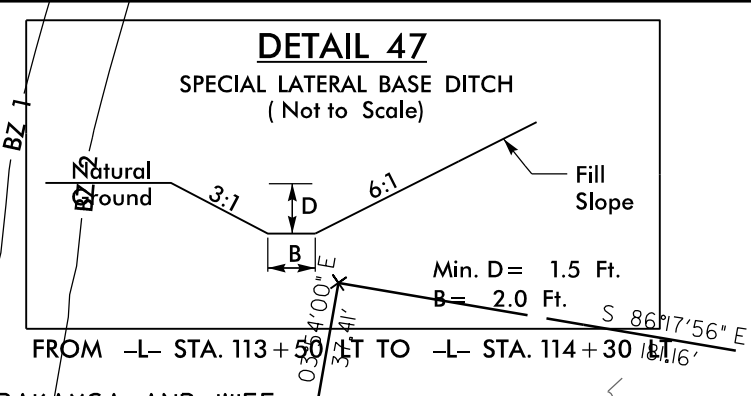
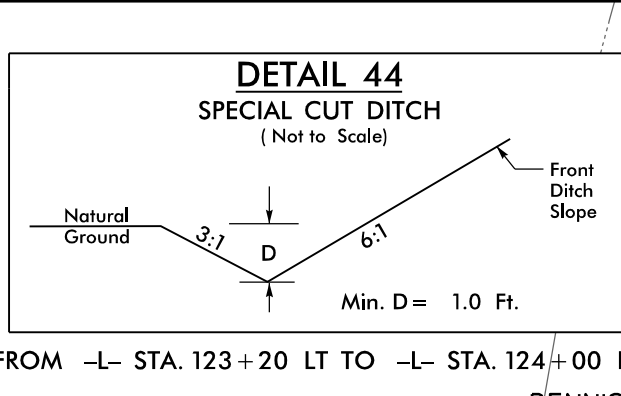
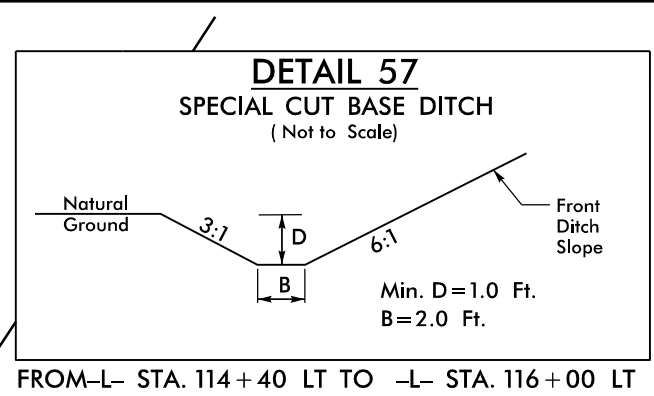
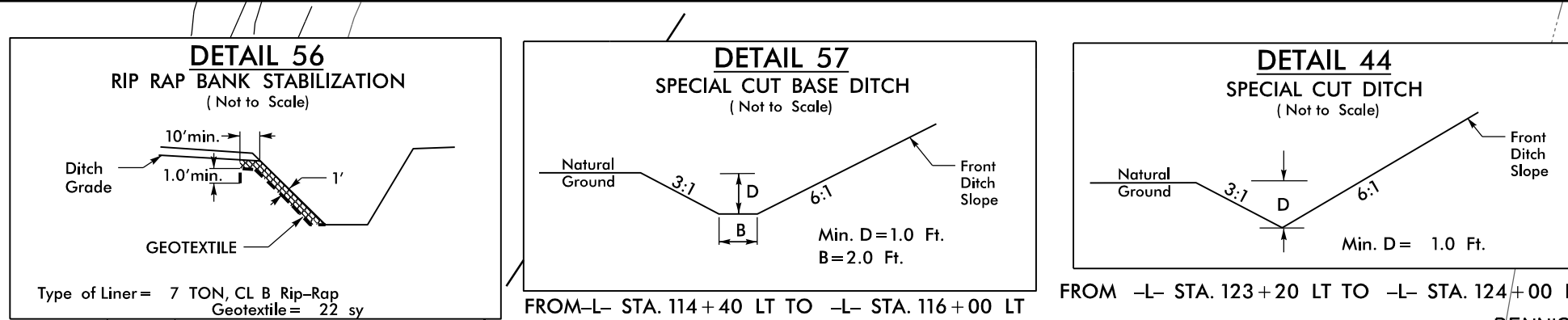
ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

URS Corporation - North Carolina
1600 Perimeter Park Drive
Morrisville, North Carolina 27560
TELEPHONE 1 (919) 461-1100 FAX 1 (919) 461-1415
NC LICENSE # C-2243

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
No. 1037863
NAME D. BUSCHEN
8/9/2018

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



NOTE: SEE STRUCTURE PLANS FOR RISER STRUCTURE AND OUTLET HEADWARD FOR 84" WSP

-Y10B- TRILLIUM WAY
 $PI Sta 10+90.16$
 $\Delta = 7'10" 11" (LT)$
 $D = 3'58" 52.9"$
 $L = 180.08'$
 $T = 90.16'$
 $R = 1,439.10'$

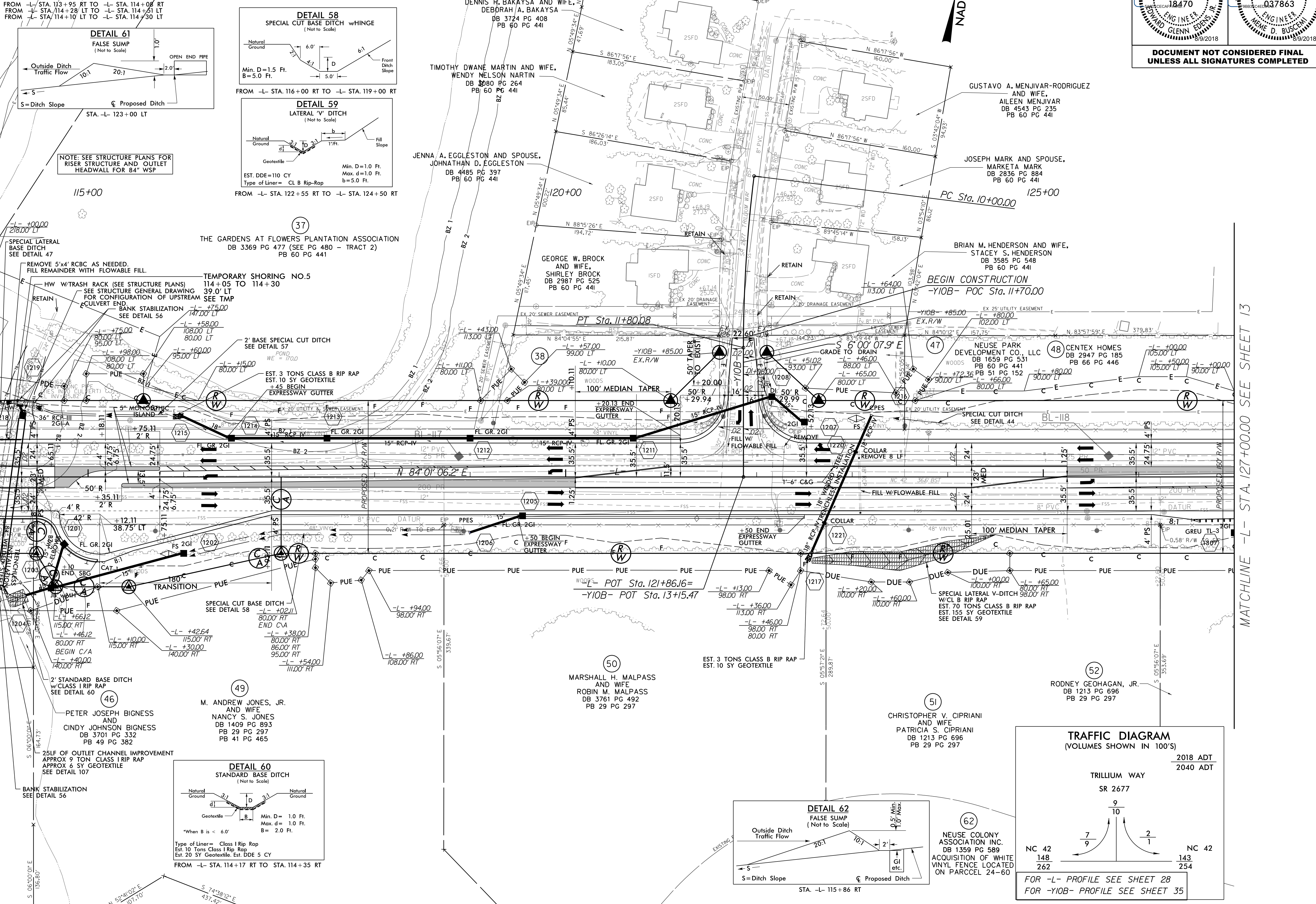
NAD 83/2011



PROJECT REFERENCE NO. R-3825B	SHEET NO. 12
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

MATCHLINE -L- STA. 114+00.00 SEE SHEET 11

MATCHLINE -L- STA. 127+00.00 SEE SHEET 13



115+00

THE GARDENS AT FLOWERS PLANTATION ASSOCIATION
 DB 3369 PG 477 (SEE PG 480 - TRACT 2)
 PB 60 PG 441

TIMOTHY DWANE MARTIN AND WIFE,
 WENDY NELSON MARTIN
 DB 3080 PG 264
 PB 60 PG 441

JENNA A. EGGLESTON AND SPOUSE,
 JOHNATHAN D. EGGLESTON
 DB 4485 PG 397
 PB 60 PG 441

GEORGE W. BROCK AND WIFE,
 SHIRLEY BROCK
 DB 2987 PG 525
 PB 60 PG 441

GUSTAVO A. MENJIVAR-RODRIGUEZ AND WIFE,
 AILEEN MENJIVAR
 DB 4543 PG 235
 PB 60 PG 441

JOSEPH MARK AND SPOUSE,
 MARKETKA MARK
 DB 2836 PG 884
 PB 60 PG 441

BRIAN M. HENDERSON AND WIFE,
 STACEY S. HENDERSON
 DB 3585 PG 548
 PB 60 PG 441

NEUSE PARK DEVELOPMENT CO., LLC
 DB 1659 PG 531
 PB 60 PG 441

CENTEX HOMES
 DB 2947 PG 185
 PB 66 PG 446

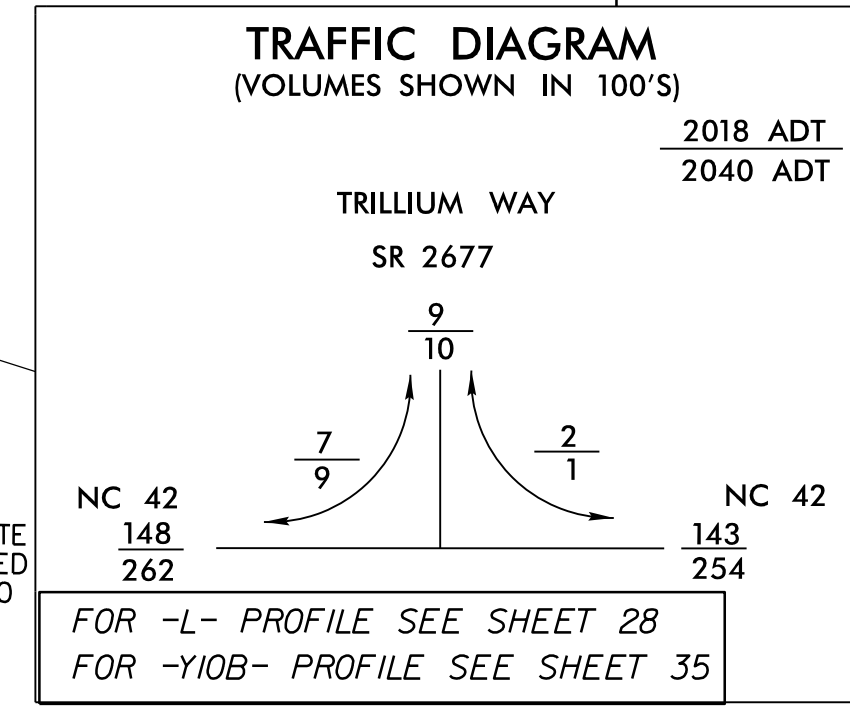
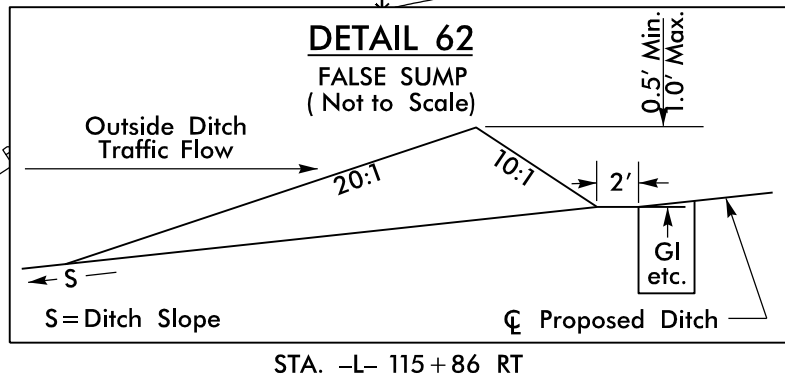
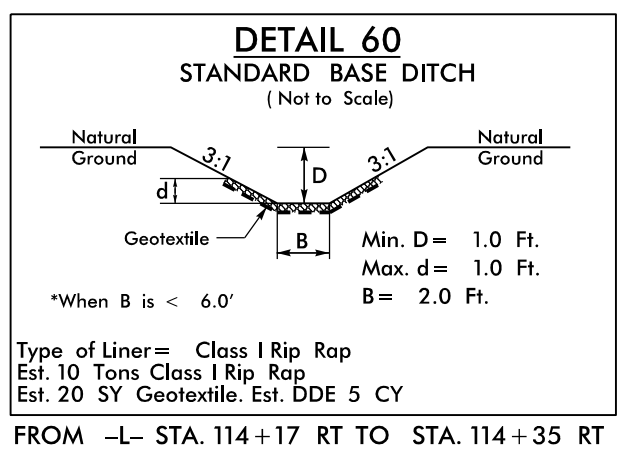
PETER JOSEPH BIGNESS AND WIFE,
 CINDY JOHNSON BIGNESS
 DB 3701 PG 332
 PB 49 PG 382

M. ANDREW JONES, JR. AND WIFE,
 NANCY S. JONES
 DB 1409 PG 893
 PB 29 PG 297
 PB 41 PG 465

MARSHALL H. MALPASS AND WIFE,
 ROBIN M. MALPASS
 DB 3761 PG 492
 PB 29 PG 297

CHRISTOPHER V. CIPRIANI AND WIFE,
 PATRICIA S. CIPRIANI
 DB 1213 PG 696
 PB 29 PG 297

RODNEY GEOHAGAN, JR.
 DB 1213 PG 696
 PB 29 PG 297



8/17/2018 10:51:11 P.M. \\P:\o\193825b_r\d\psh12.dgn
 TRILLIUM WAY

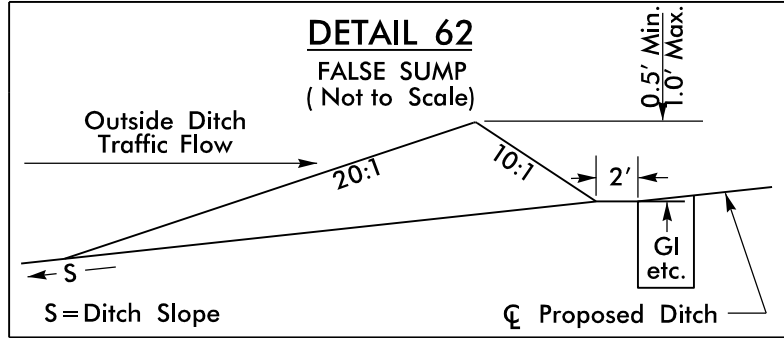
-YIOC- BROOKHAVEN DR

PI Sta 12+68.33
Δ = 25° 15' 36.6" (RT)
D = 10' 54' 48.5"
L = 231.46'
T = 117.64'
R = 525.00'

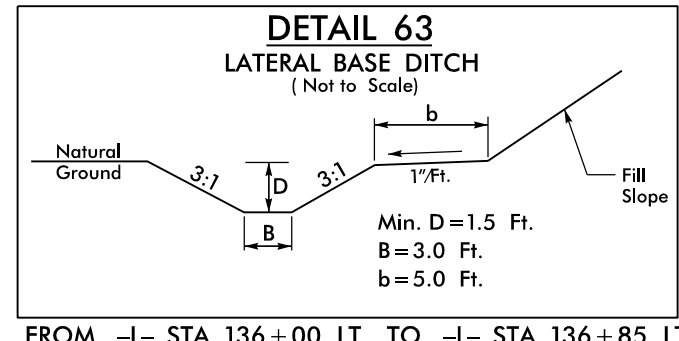
BEGIN CONSTRUCTION
-YIOC- POC Sta. 12+05.00

-DRW19- POT Sta. 10+45.00 =
-YIOC- POC Sta. 12+40.27

-DRW20- POT Sta. 10+00.00 =
-YIOC- POC Sta. 12+84.99



AMERICAN RESIDENTIAL LEASING COMPANY, LLC
DB 4528 PG 316
PB 67 PG 314



FROM -L- STA. 136+00 LT TO -L- STA. 136+85 LT (EST. DDE=92 CY)
FROM -L- STA. 135+35 RT TO -L- STA. 136+80 RT (EST. DDE=69)

MAIZE & BLUE, LLC
DB 3508 PG 276
PB 66 PG 445

LARRY WILLIAM SCHWEER, TRUSTEE OF LARRY WILLIAM SCHWEER REVOCABLE TRUST
DB 4486 PG 796
PB 66 PG 445

DIANE WHOLEY BUGGE
DB 3498 PG 972
PB 67 PG 314

HARRISON N. MWAURA AND
BEATRICE W. CHEGE
DB 3896 PG 634
PB 67 PG 314

CREESHA D. HOGAN
DB 3505 PG 418
PB 67 PG 314

ERICA L. SETH
DB 3513 PG 579
PB 67 PG 314

CENTEX HOMES
DB 2947 PG 185
PB 66 PG 446

EST. 2 TONS CLASS B RIP RAP
EST. 7 SY GEOTEXTILE

EST. 2 TONS CLASS B RIP RAP
EST. 7 SY GEOTEXTILE

EST. 2 TONS CLASS B RIP RAP
EST. 7 SY GEOTEXTILE

EST. 2 TONS CLASS B RIP RAP
EST. 7 SY GEOTEXTILE

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EST. 7 SY GEOTEXTILE

EST. 2 TONS CLASS B RIP RAP
EST. 7 SY GEOTEXTILE

EST. 2 TONS CLASS B RIP RAP
EST. 7 SY GEOTEXTILE

EST. 2 TONS CLASS B RIP RAP
EST. 7 SY GEOTEXTILE

EST. 2 TONS CLASS B RIP RAP
EST. 7 SY GEOTEXTILE

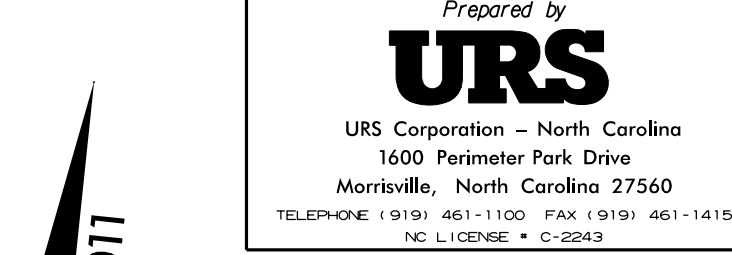
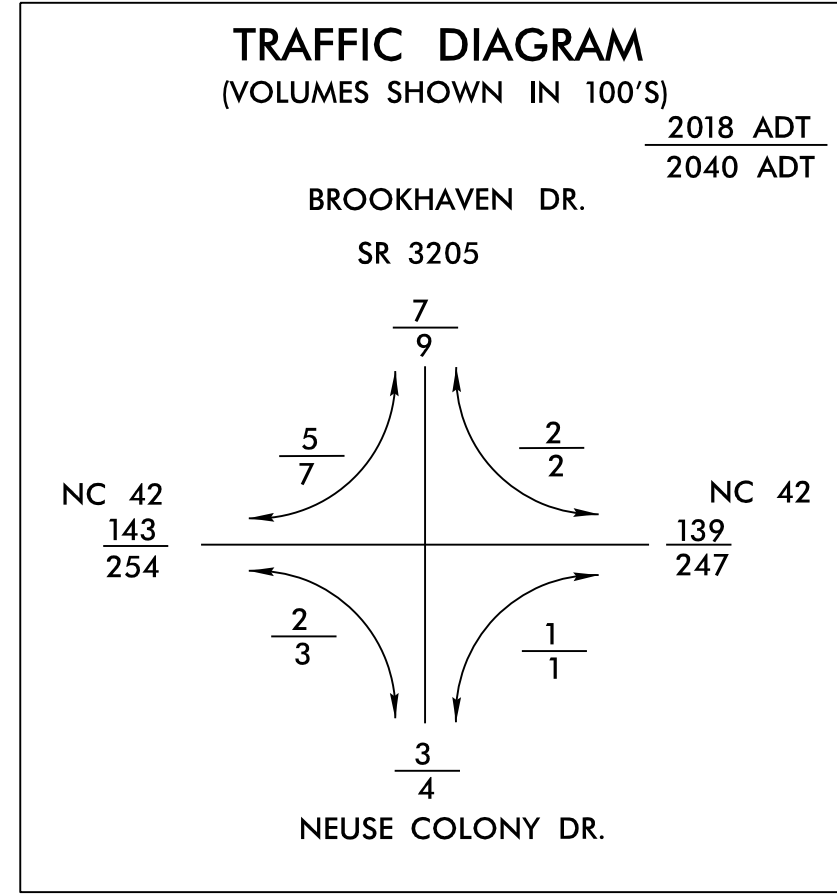
EST. 2 TONS CLASS B RIP RAP
EST. 7 SY GEOTEXTILE

EST. 2 TONS CLASS B RIP RAP
EST. 7 SY GEOTEXTILE

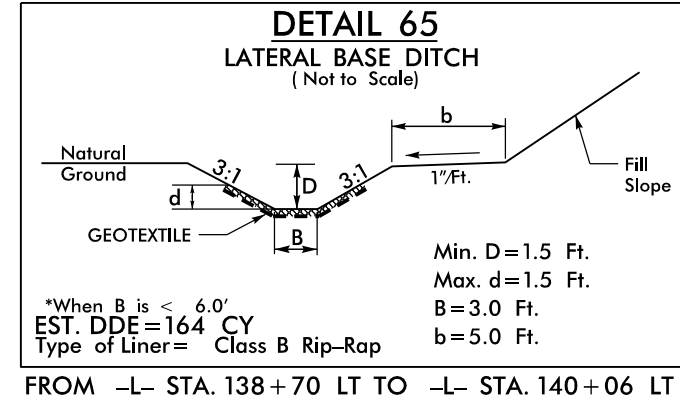
EST. 2 TONS CLASS B RIP RAP
EST. 7 SY GEOTEXTILE

EST. 2 TONS CLASS B RIP RAP
EST. 7 SY GEOTEXTILE

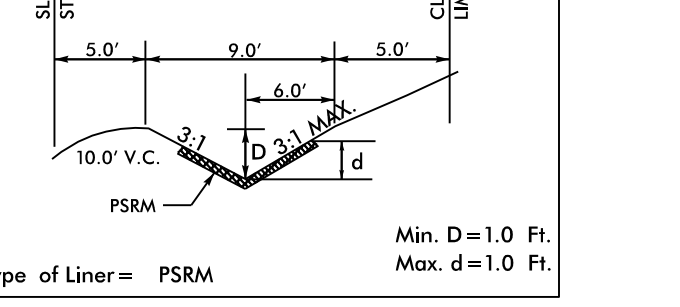
EST. 2 TONS CLASS B RIP RAP
EST. 7 SY GEOTEXTILE



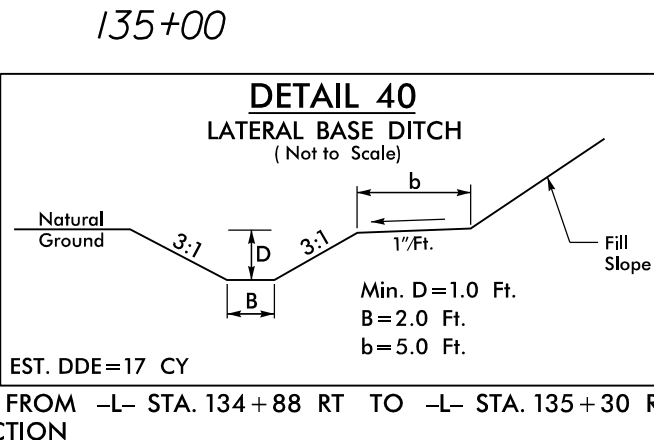
NAD 83/2011



FROM -L- STA. 138+70 LT TO -L- STA. 140+06 LT



FROM -L- STA. 137+50 RT TO -L- STA. 140+50 RT



FROM -L- STA. 134+88 RT TO -L- STA. 135+30 RT

EST. 70 TONS CLASS B RIP RAP
EST. 130 TONS CLASS B RIP RAP
EST. 200 SY GEOTEXTILE

EST. 70 TONS CLASS B RIP RAP
EST. 130 TONS CLASS B RIP RAP
EST. 200 SY GEOTEXTILE

EST. 70 TONS CLASS B RIP RAP
EST. 130 TONS CLASS B RIP RAP
EST. 200 SY GEOTEXTILE

EST. 70 TONS CLASS B RIP RAP
EST. 130 TONS CLASS B RIP RAP
EST. 200 SY GEOTEXTILE

EST. 70 TONS CLASS B RIP RAP
EST. 130 TONS CLASS B RIP RAP
EST. 200 SY GEOTEXTILE

EST. 70 TONS CLASS B RIP RAP
EST. 130 TONS CLASS B RIP RAP
EST. 200 SY GEOTEXTILE

EST. 70 TONS CLASS B RIP RAP
EST. 130 TONS CLASS B RIP RAP
EST. 200 SY GEOTEXTILE

EST. 70 TONS CLASS B RIP RAP
EST. 130 TONS CLASS B RIP RAP
EST. 200 SY GEOTEXTILE

EST. 70 TONS CLASS B RIP RAP
EST. 130 TONS CLASS B RIP RAP
EST. 200 SY GEOTEXTILE

EST. 70 TONS CLASS B RIP RAP
EST. 130 TONS CLASS B RIP RAP
EST. 200 SY GEOTEXTILE

EST. 70 TONS CLASS B RIP RAP
EST. 130 TONS CLASS B RIP RAP
EST. 200 SY GEOTEXTILE

EST. 70 TONS CLASS B RIP RAP
EST. 130 TONS CLASS B RIP RAP
EST. 200 SY GEOTEXTILE

EST. 70 TONS CLASS B RIP RAP
EST. 130 TONS CLASS B RIP RAP
EST. 200 SY GEOTEXTILE

EST. 70 TONS CLASS B RIP RAP
EST. 130 TONS CLASS B RIP RAP
EST. 200 SY GEOTEXTILE

EST. 70 TONS CLASS B RIP RAP
EST. 130 TONS CLASS B RIP RAP
EST. 200 SY GEOTEXTILE

EST. 70 TONS CLASS B RIP RAP
EST. 130 TONS CLASS B RIP RAP
EST. 200 SY GEOTEXTILE

EST. 70 TONS CLASS B RIP RAP
EST. 130 TONS CLASS B RIP RAP
EST. 200 SY GEOTEXTILE

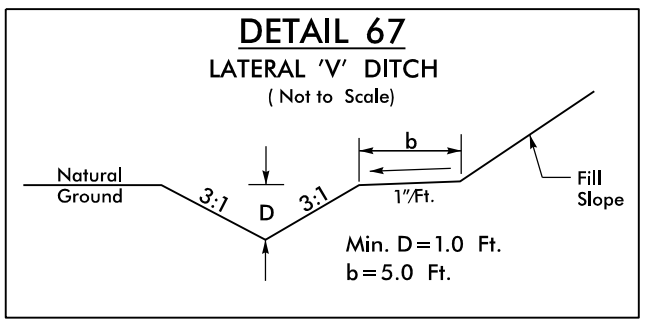
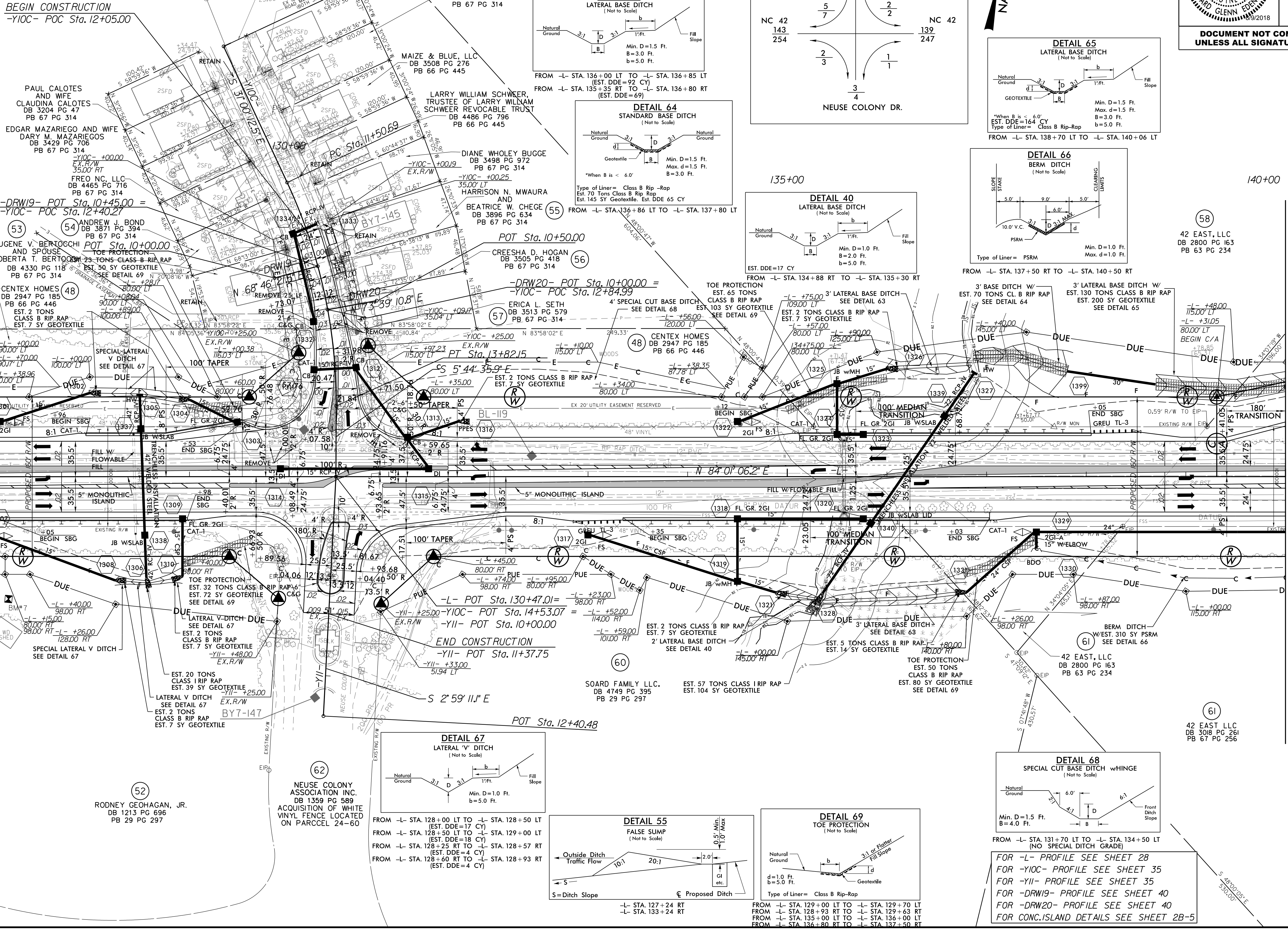
EST. 70 TONS CLASS B RIP RAP
EST. 130 TONS CLASS B RIP RAP
EST. 200 SY GEOTEXTILE

EST. 70 TONS CLASS B RIP RAP
EST. 130 TONS CLASS B RIP RAP
EST. 200 SY GEOTEXTILE

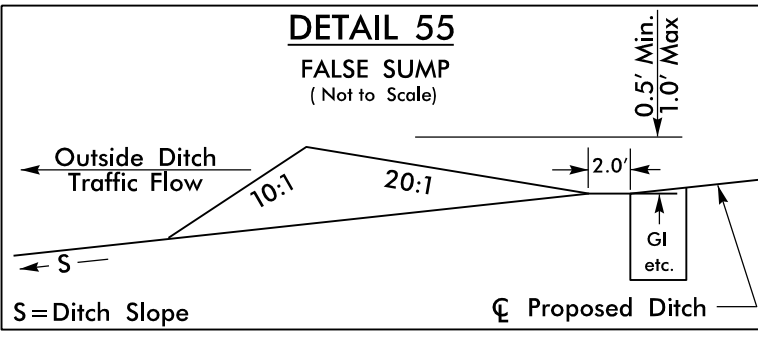
MATCHLINE -L- STA. 127+00.00 SEE SHEET 12

MATCHLINE -L- STA. 140+00.00 SEE SHEET 14

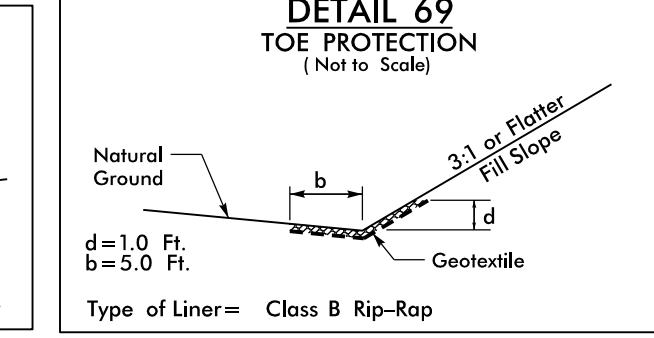
PROJECT REFERENCE NO. R-3825B	SHEET NO. 13
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



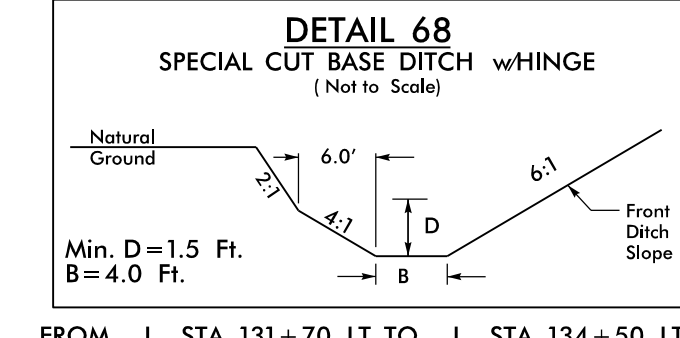
FROM -L- STA. 128+00 LT TO -L- STA. 128+50 LT (EST. DDE=17 CY)
FROM -L- STA. 128+50 LT TO -L- STA. 129+00 LT (EST. DDE=18 CY)
FROM -L- STA. 128+25 RT TO -L- STA. 128+57 RT (EST. DDE=4 CY)
FROM -L- STA. 128+60 RT TO -L- STA. 128+93 RT (EST. DDE=4 CY)



-L- STA. 127+24 RT
-L- STA. 133+24 RT



FROM -L- STA. 129+00 LT TO -L- STA. 129+70 LT
FROM -L- STA. 128+93 RT TO -L- STA. 129+63 RT
FROM -L- STA. 135+00 LT TO -L- STA. 136+00 LT
FROM -L- STA. 136+80 RT TO -L- STA. 137+50 RT



FROM -L- STA. 131+70 LT TO -L- STA. 134+50 LT (NO SPECIAL DITCH GRADE)

FOR -L- PROFILE SEE SHEET 28
FOR -YIOC- PROFILE SEE SHEET 35
FOR -YII- PROFILE SEE SHEET 35
FOR -DRW19- PROFILE SEE SHEET 40
FOR -DRW20- PROFILE SEE SHEET 40
FOR CONC. ISLAND DETAILS SEE SHEET 2B-5


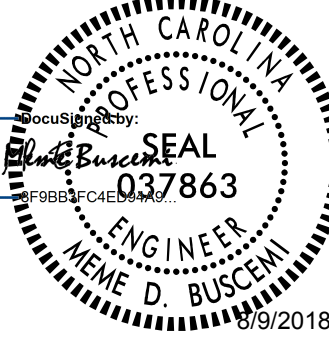
RODNEY GEOHAGAN, JR.
DB 1213 PG 696
PB 29 PG 297

NEUSE COLONY ASSOCIATION INC.
DB 1359 PG 589
ACQUISITION OF WHITE VINYL FENCE LOCATED ON PARCEL 24-60

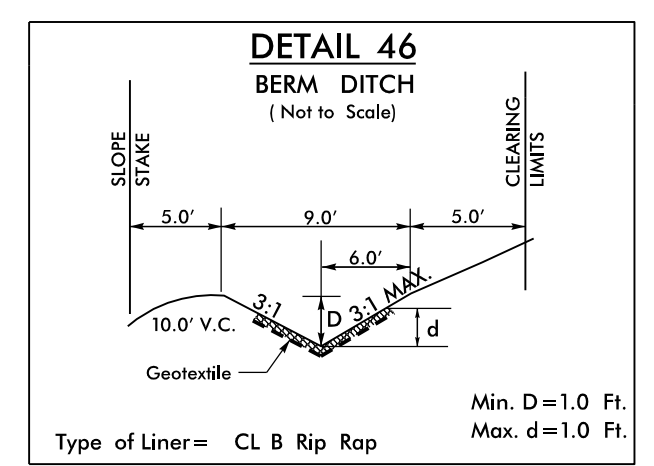
42 EAST, LLC
DB 2800 PG 163
PB 63 PG 234

42 EAST, LLC
DB 3018 PG 261
PB 67 PG 256

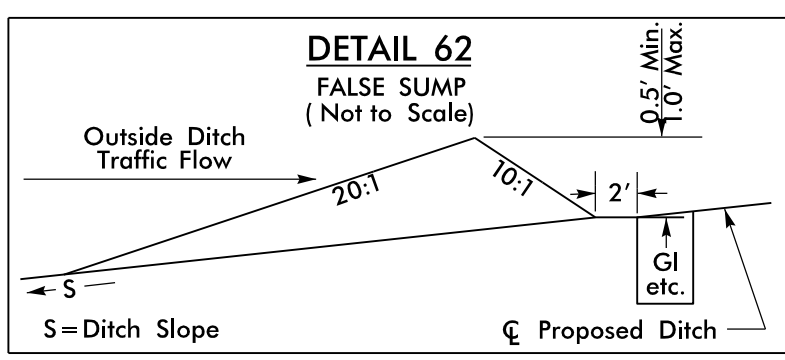
Prepared by
URS
 URS Corporation - North Carolina
 1600 Perimeter Park Drive
 Morrisville, North Carolina 27560
 TELEPHONE 1 919 461-1100 FAX 1 919 461-1415
 NC LICENSE # C-2243

PROJECT REFERENCE NO. R-3825B	SHEET NO. 14
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 EDWARD STEVEN CULL PROFESSIONAL ENGINEER NO. 12470 8/9/2018	 W. GLENN EDENS, JR. PROFESSIONAL ENGINEER NO. 037863 8/9/2018
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

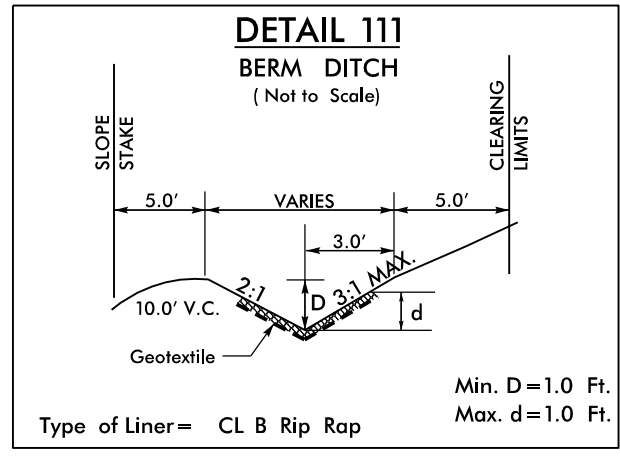
NAD 83/2011



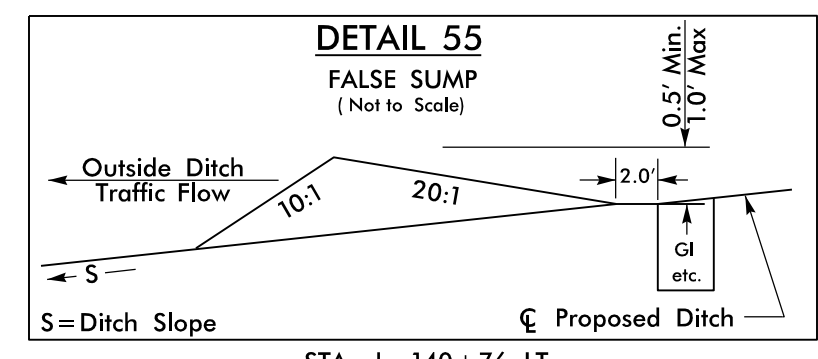
FROM -L- STA. 141+60 LT TO -L- STA. 141+85 LT
 FROM -L- STA. 142+00 RT TO -L- STA. 143+25 RT
 FROM -L- STA. 143+25 RT TO -L- STA. 144+20 RT
 FROM -L- STA. 144+70 RT TO -L- STA. 146+00 RT



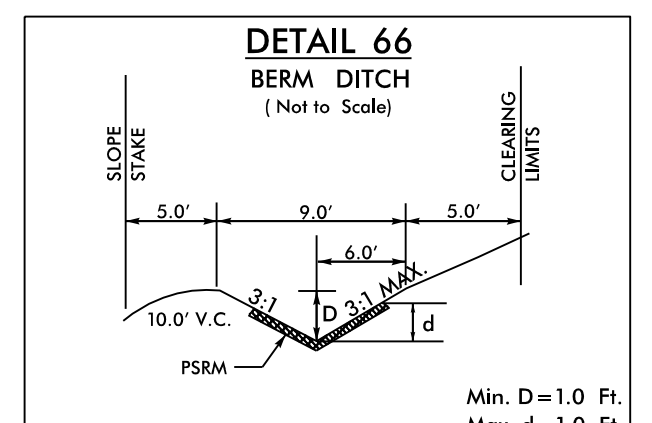
FROM -L- STA. 141+14 RT
 FROM -L- STA. 143+06 RT



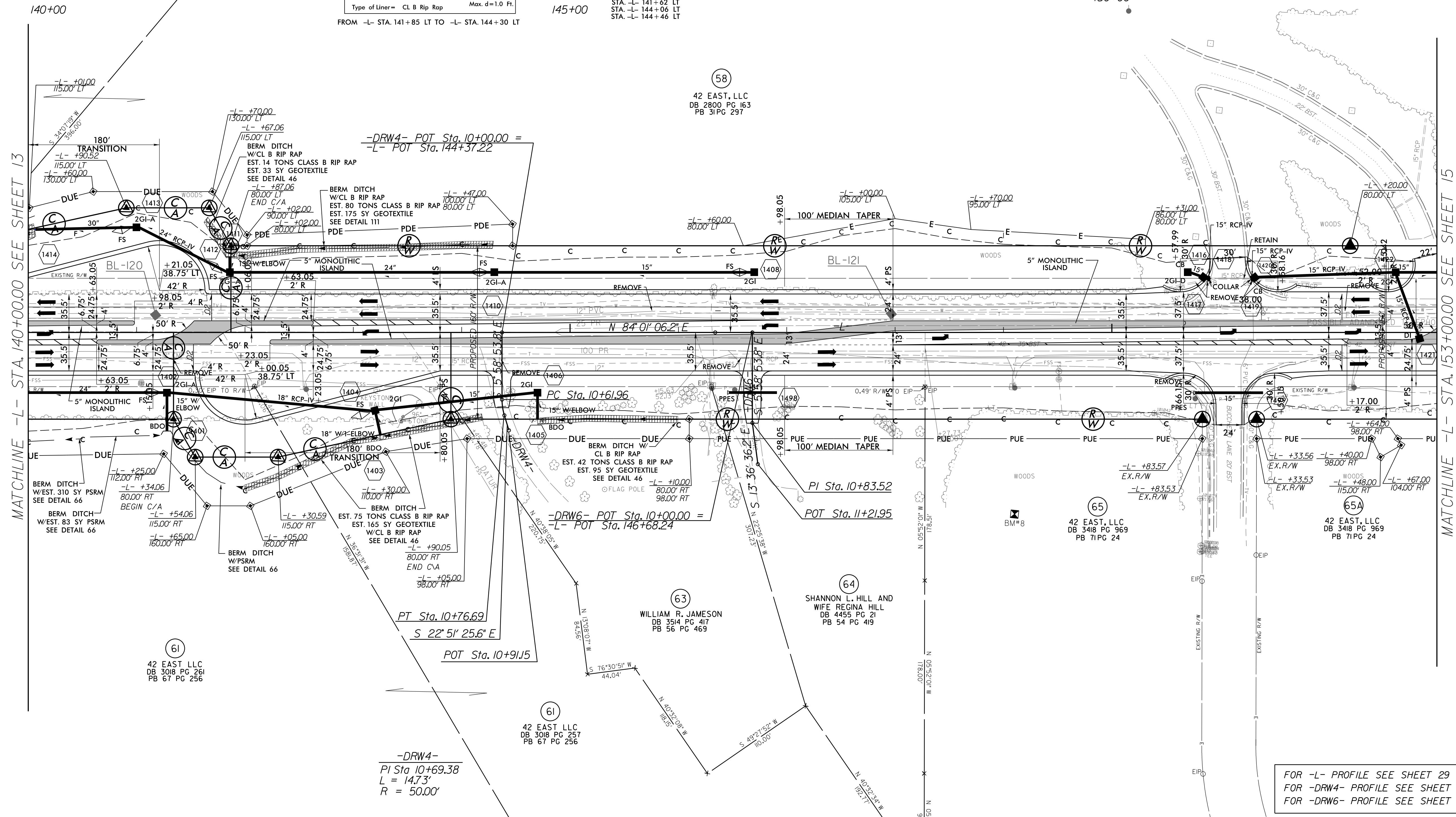
FROM -L- STA. 141+85 LT TO -L- STA. 144+30 LT



FROM -L- STA. 140+76 LT
 FROM -L- STA. 141+62 LT
 FROM -L- STA. 144+06 LT
 FROM -L- STA. 144+46 LT



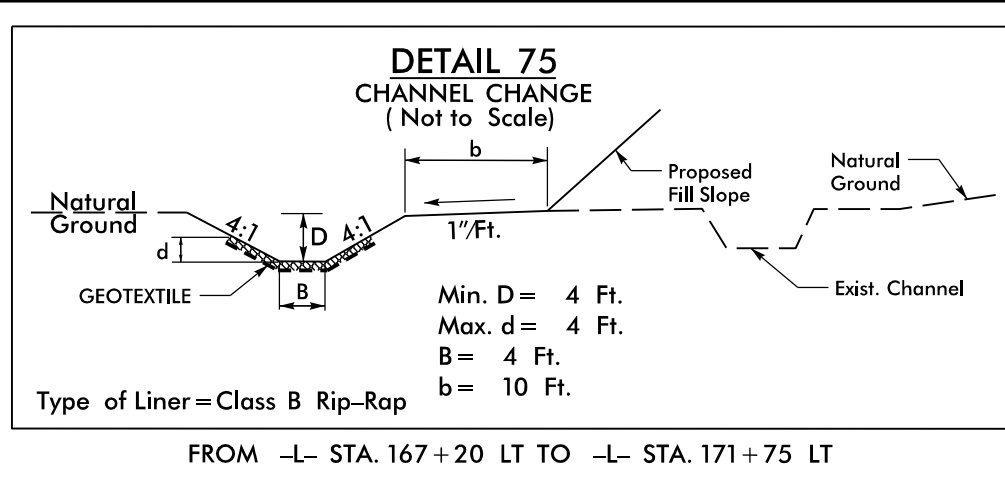
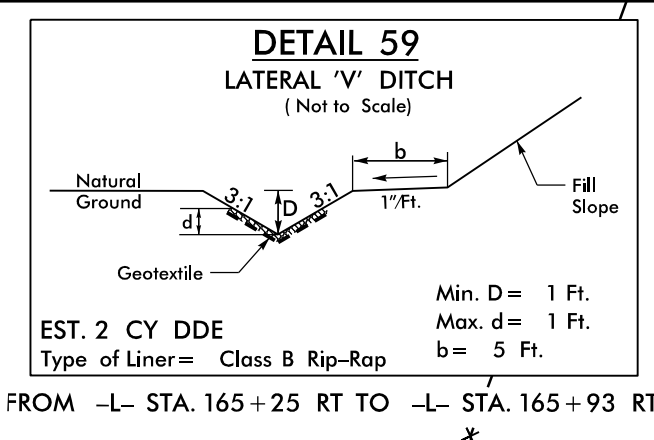
FROM -L- STA. 140+50 RT TO -L- STA. 142+00 RT



MATCHLINE -L- STA. 140+00.00 SEE SHEET 13

MATCHLINE -L- STA. 153+00.00 SEE SHEET 15

FOR -L- PROFILE SEE SHEET 29
 FOR -DRW4- PROFILE SEE SHEET 38
 FOR -DRW6- PROFILE SEE SHEET 38



-L- NC 42

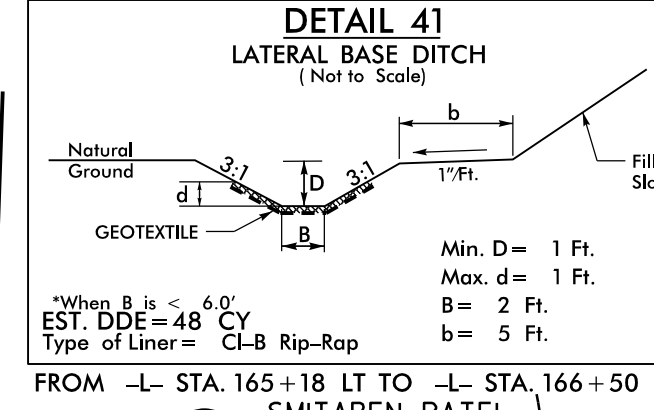
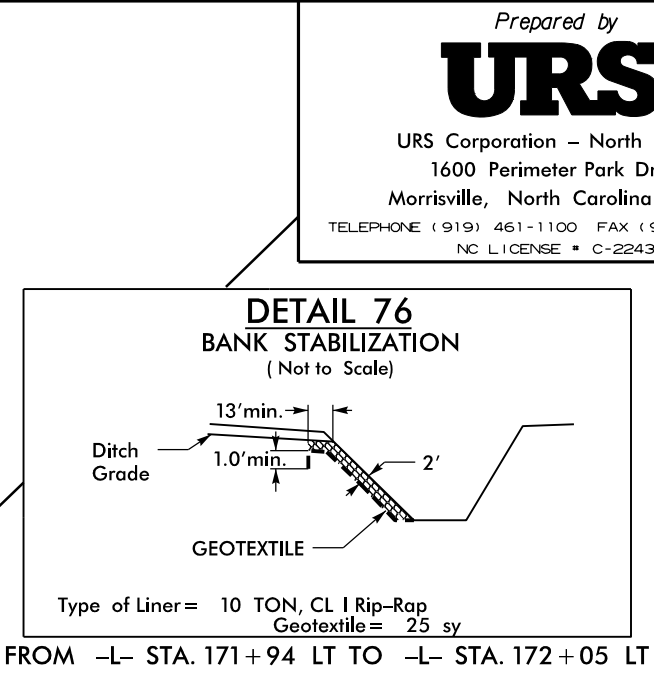
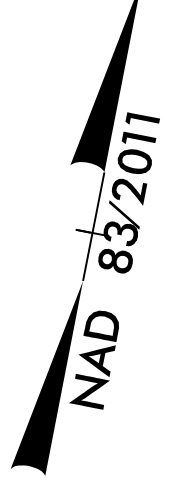
PI Sta 165+42.54
Δ = 4' 5" 12.9" (LT)
D = 1' 08" 45.3"
L = 423.56'
T = 211.90'
R = 5,000.00'
e = 3%
Runoff = 162'

PI Sta 174+88.36
Δ = 5' 3" 16.7" (LT)
D = 1' 08" 53.6"
L = 480.86'
T = 240.62'
R = 4,990.00'
e = 3%
Runoff = 162'

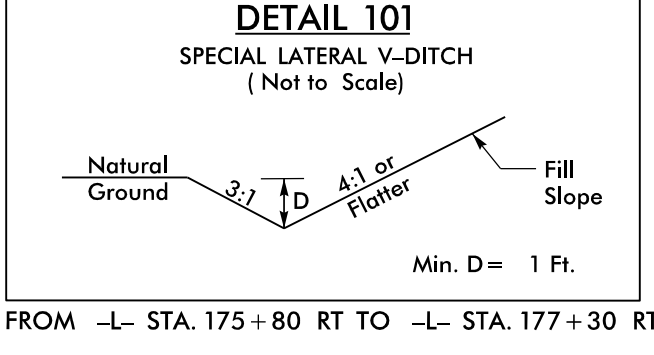
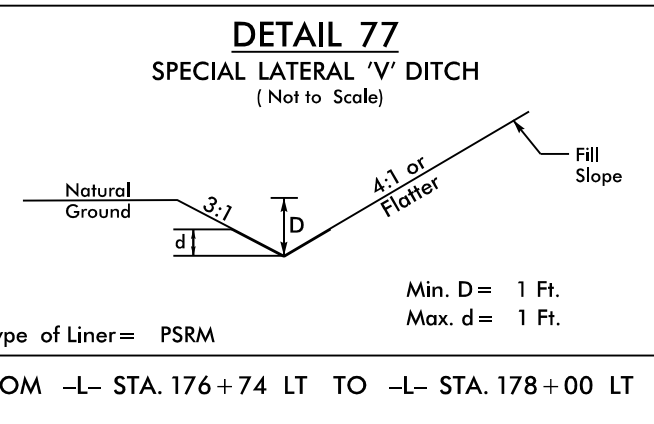
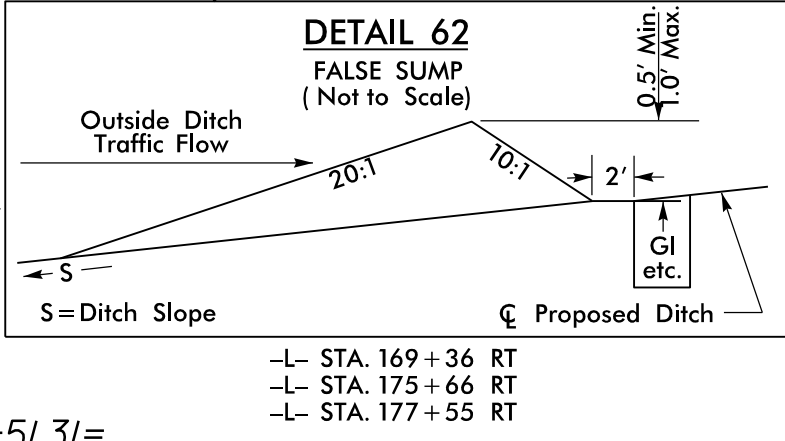
-YIIA- TUSCAN RIDGE DR

PI Sta 14+87.31
Δ = 5' 12" 15" (LT)
D = 5' 42" 49.2"
L = 91.08'
T = 45.57'
R = 1,002.78'

(74) GREG C. JONES AND WIFE,
ANGELA V. JONES
DB 3948 PG 257
PB 66 PG 9



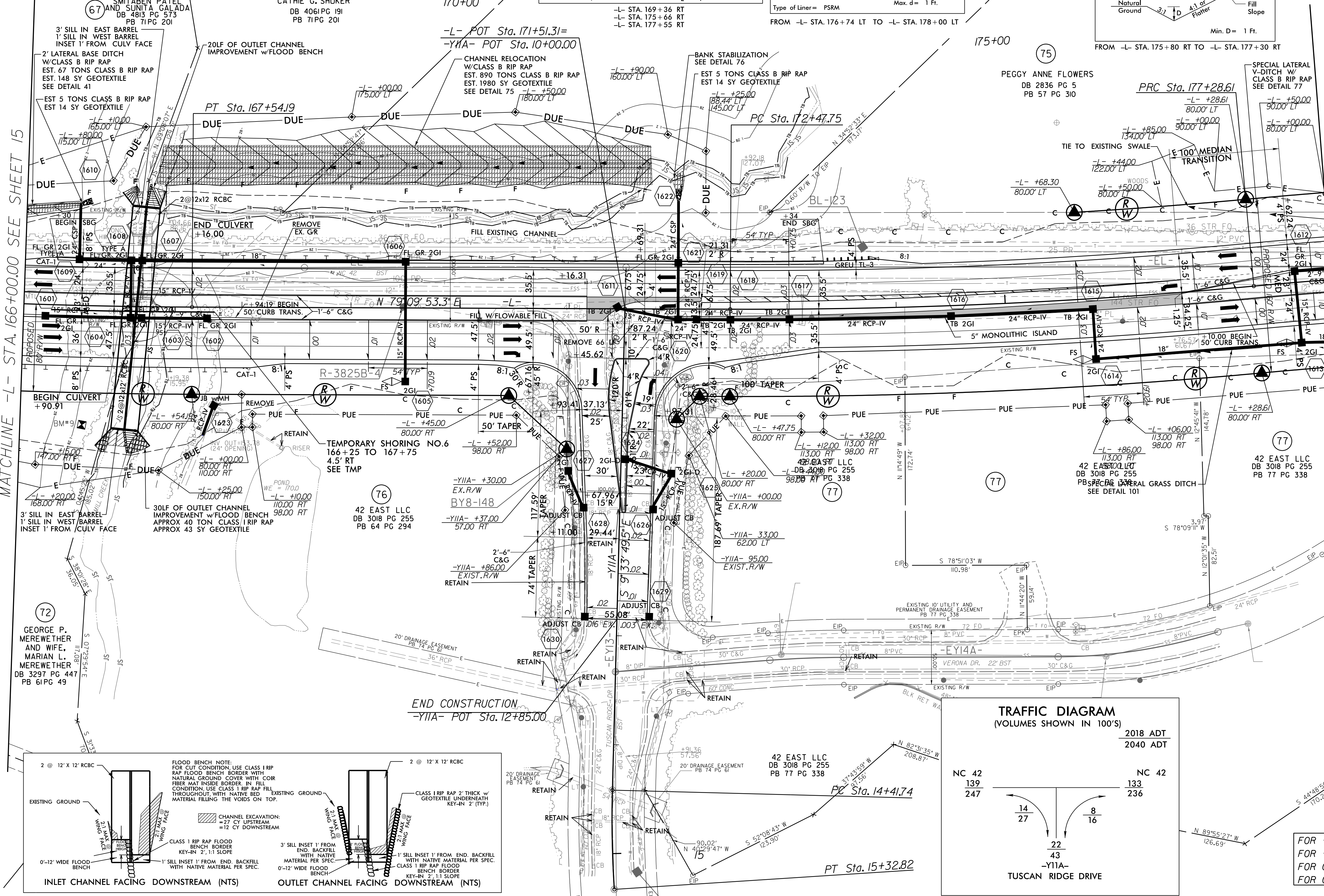
(73) JOHN T. SHULER AND WIFE,
CATHIE G. SHUKER
DB 4061 PG 191
PB 71 PG 201



PROJECT REFERENCE NO. R-3825B		SHEET NO. 16	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

MATCHLINE -L- STA. 166+00.00 SEE SHEET 15

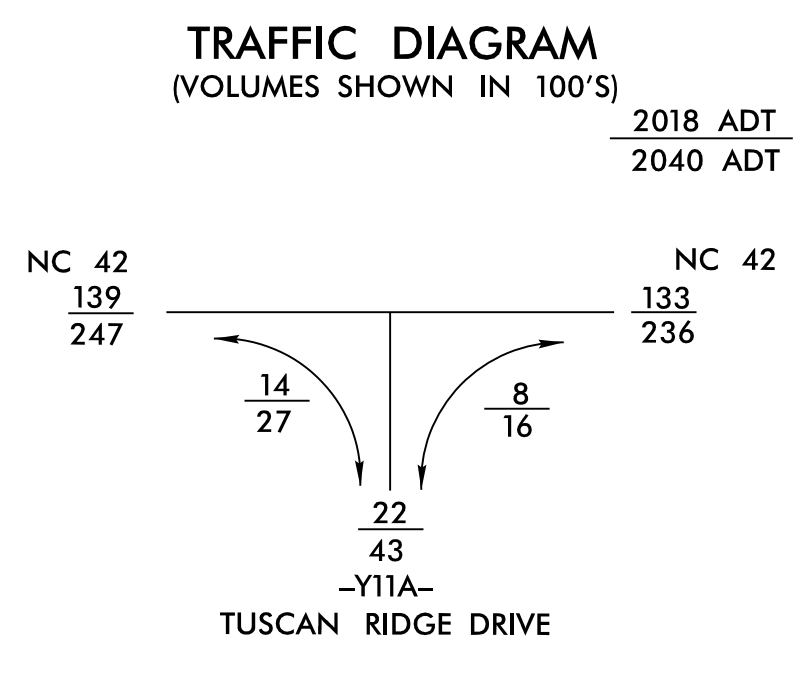
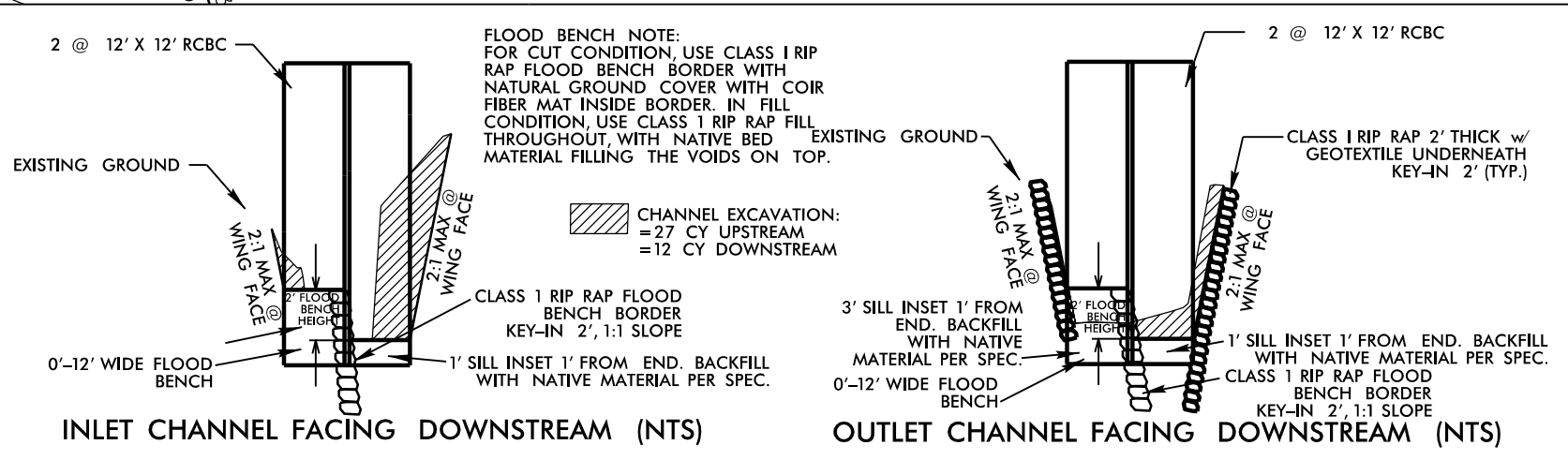
MATCHLINE -L- STA. 178+00.00 SEE SHEET 17



(72) GEORGE P. MEREWETHER AND WIFE, MARIAN L. MEREWETHER
DB 3297 PG 447
PB 61 PG 49

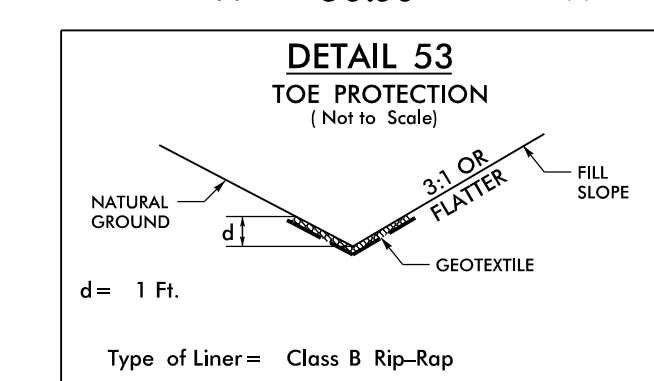
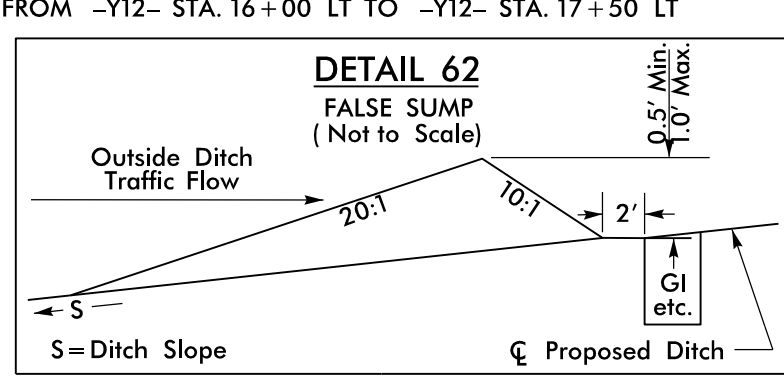
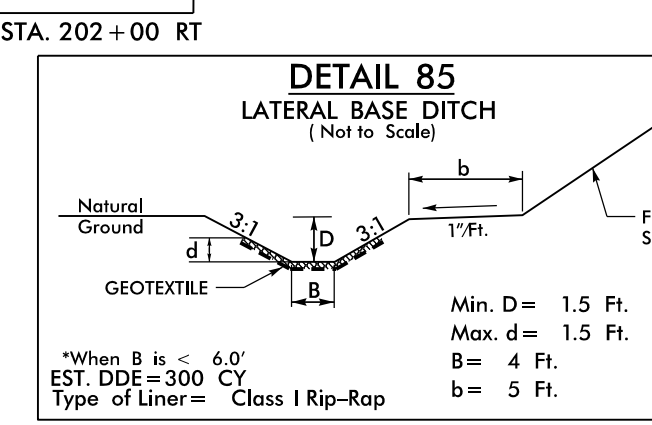
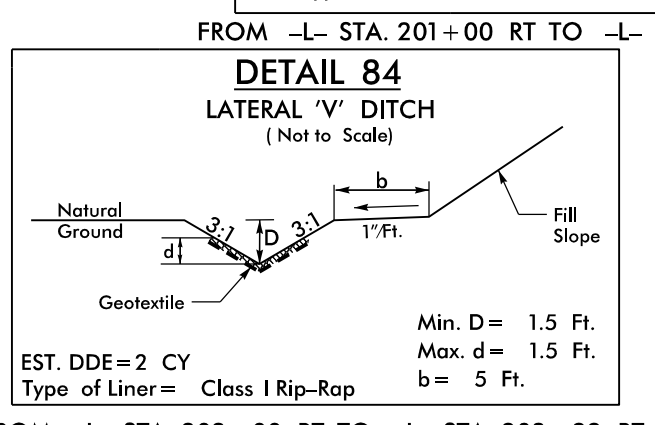
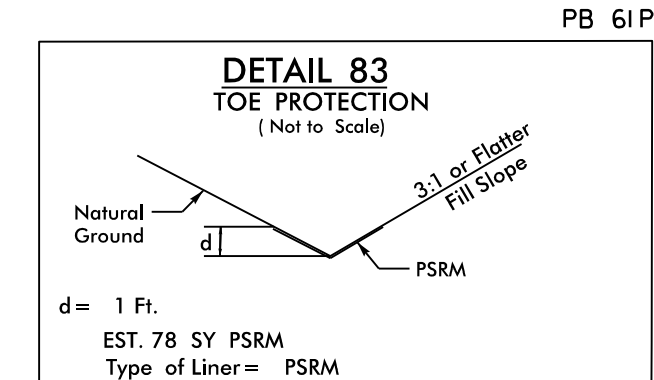
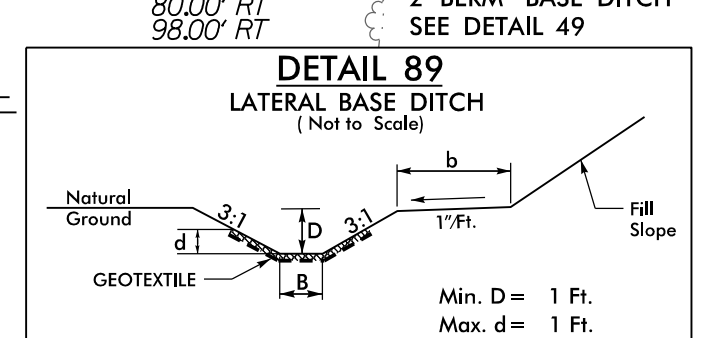
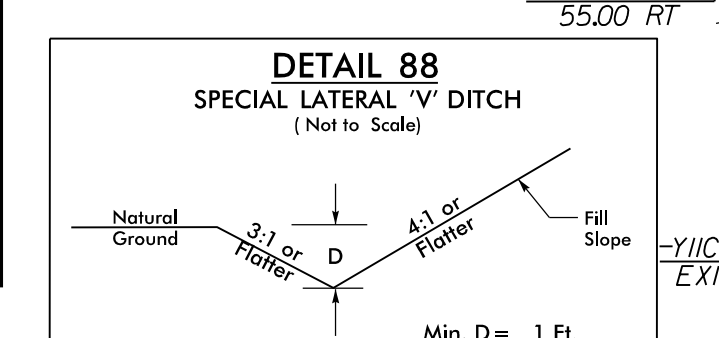
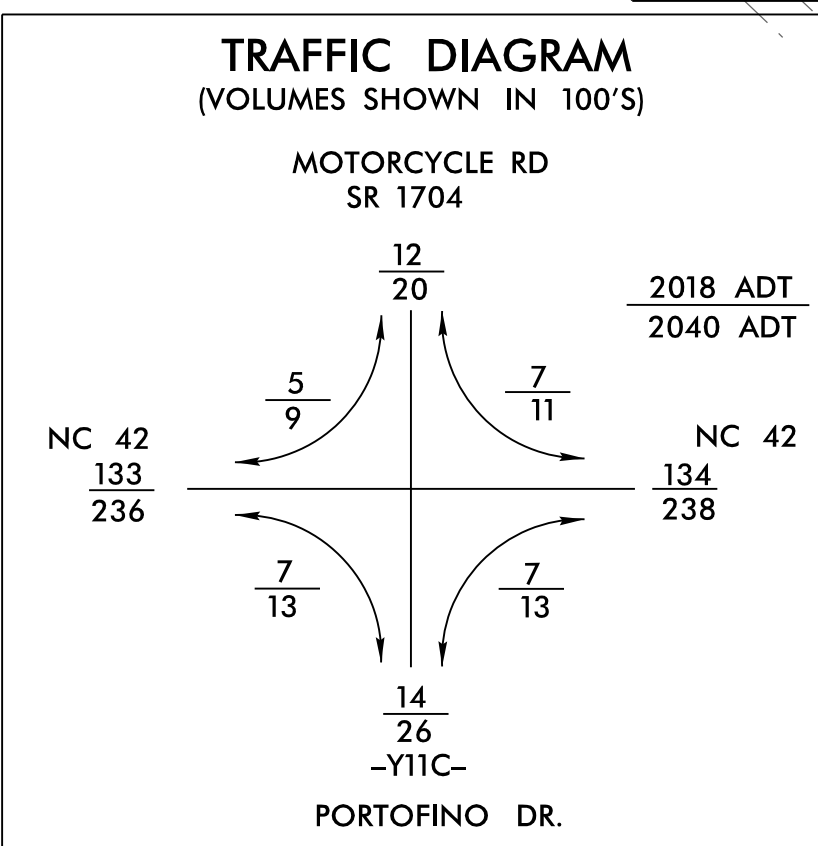
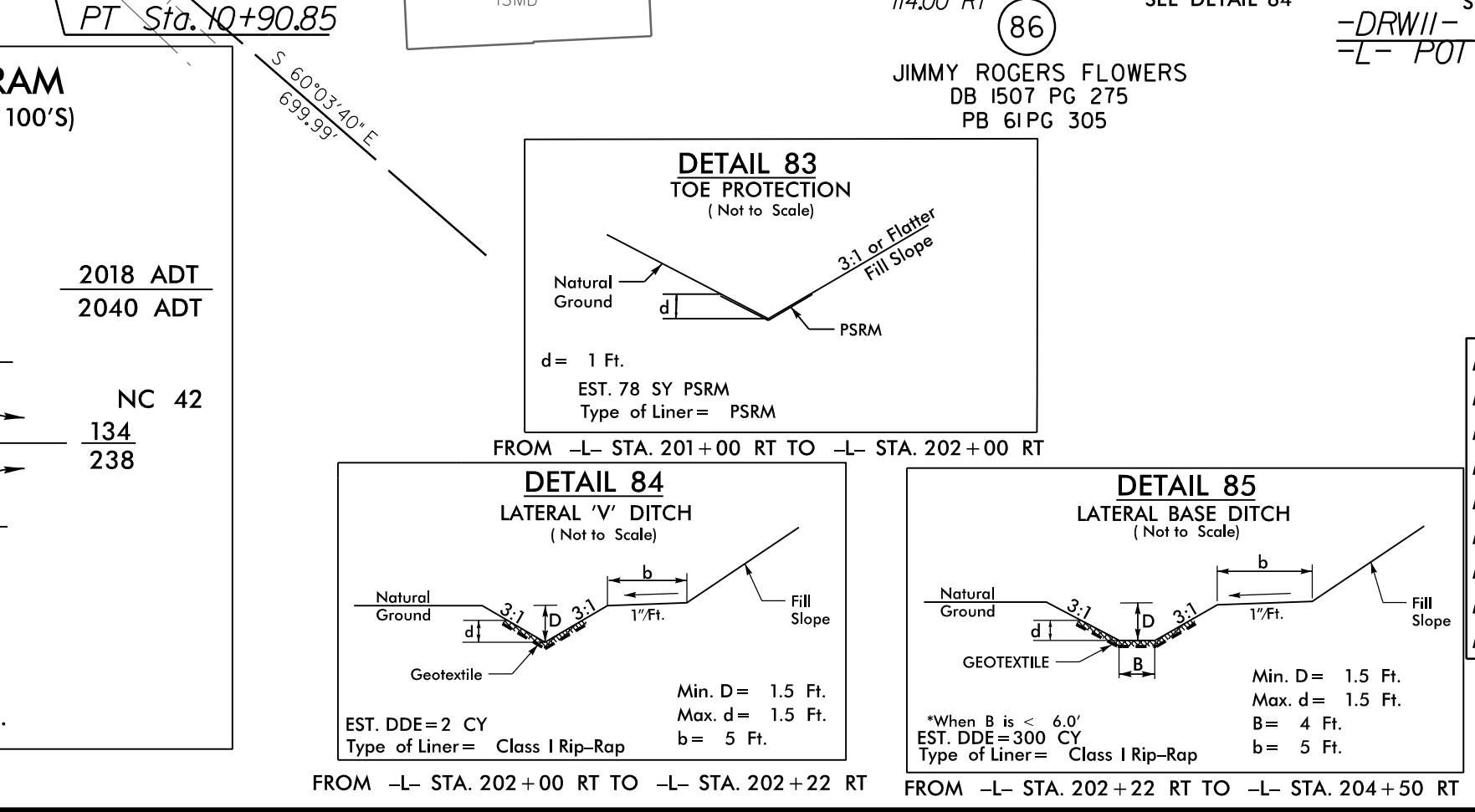
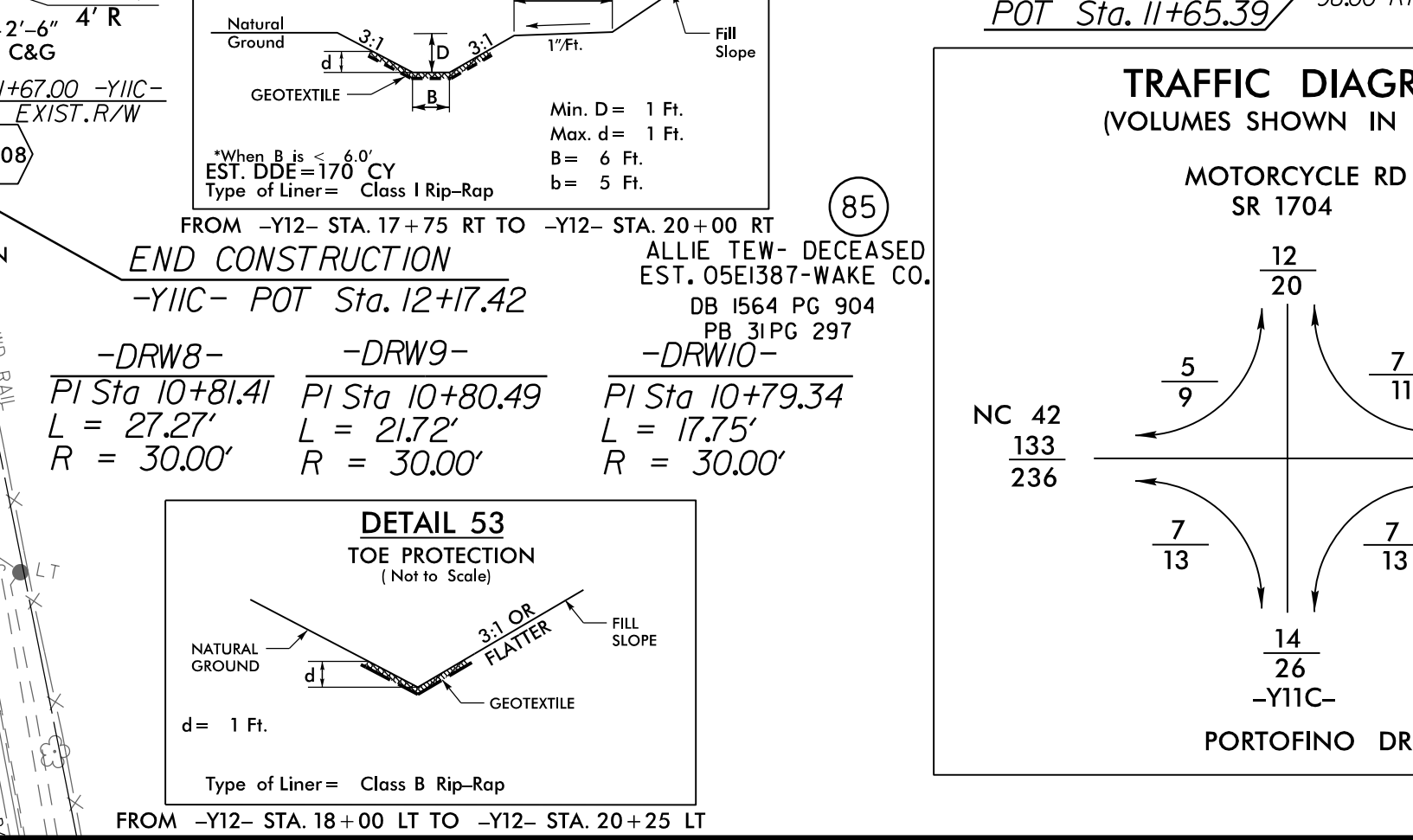
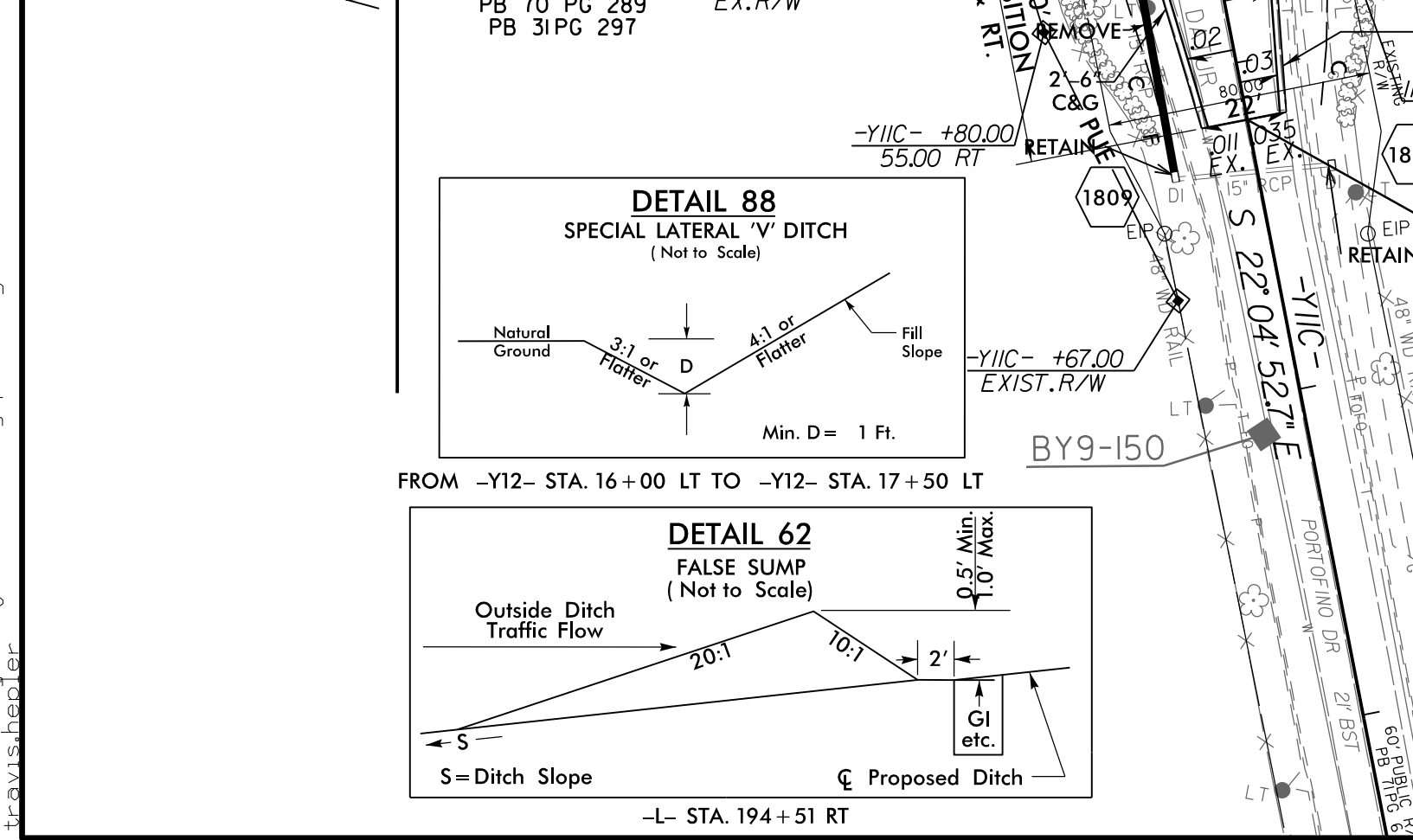
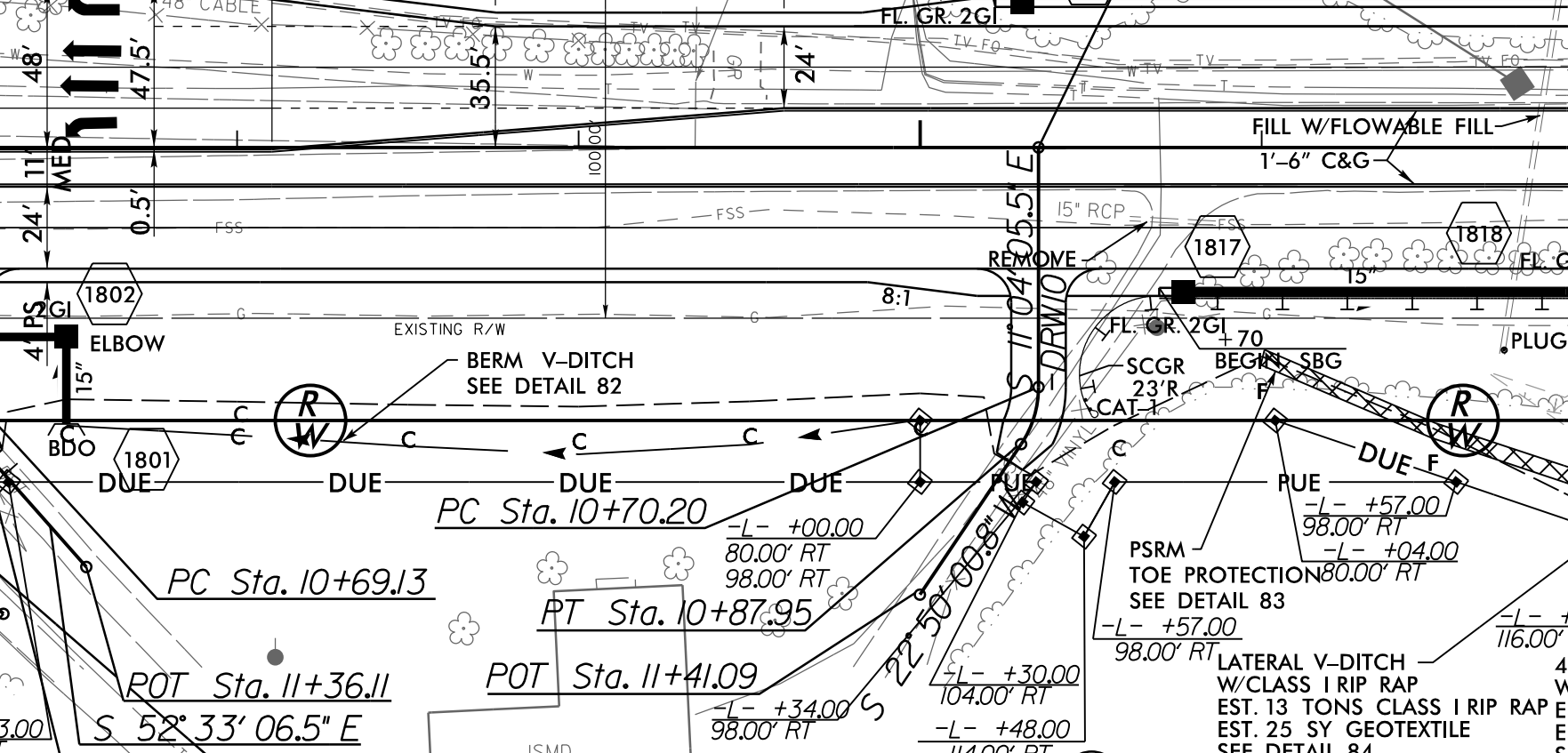
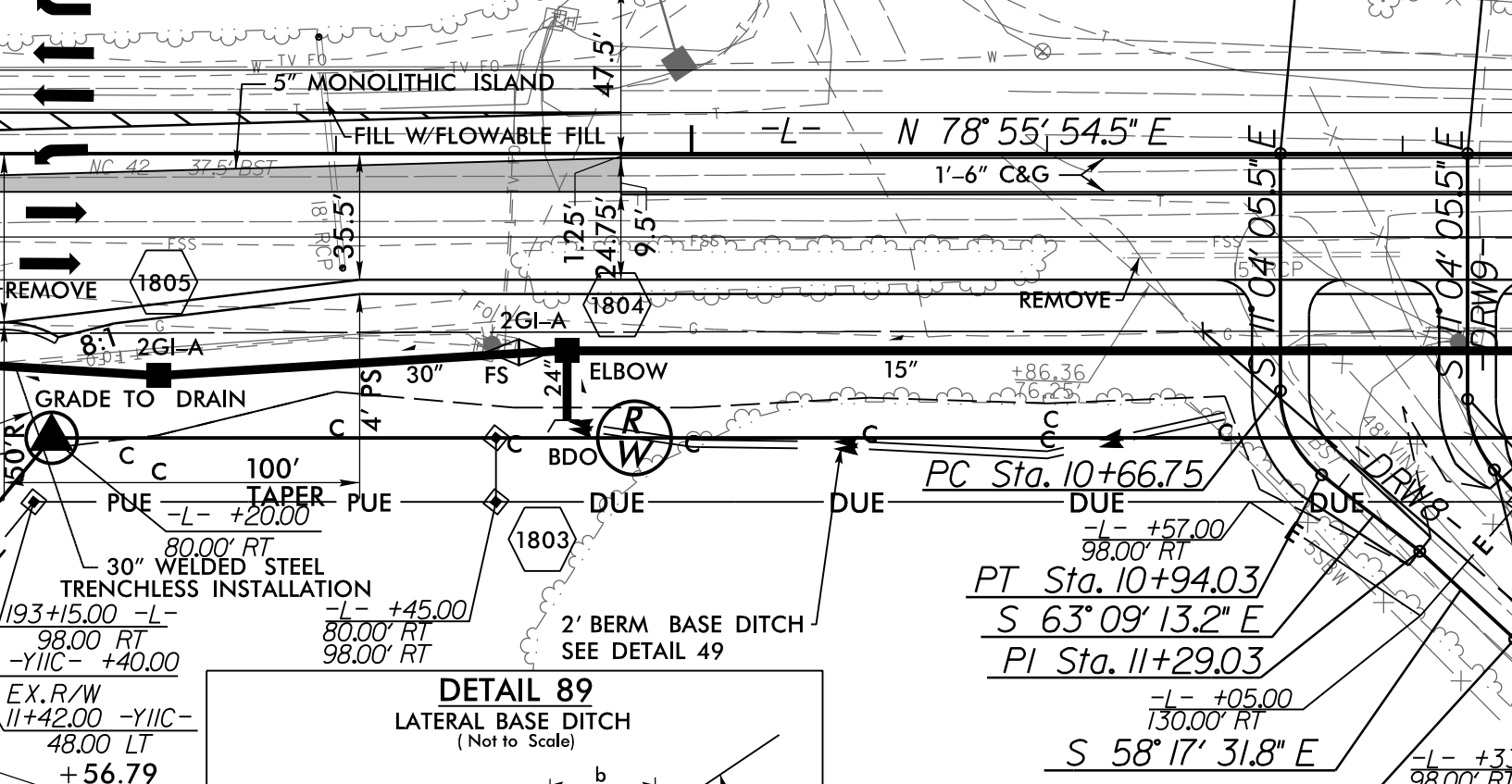
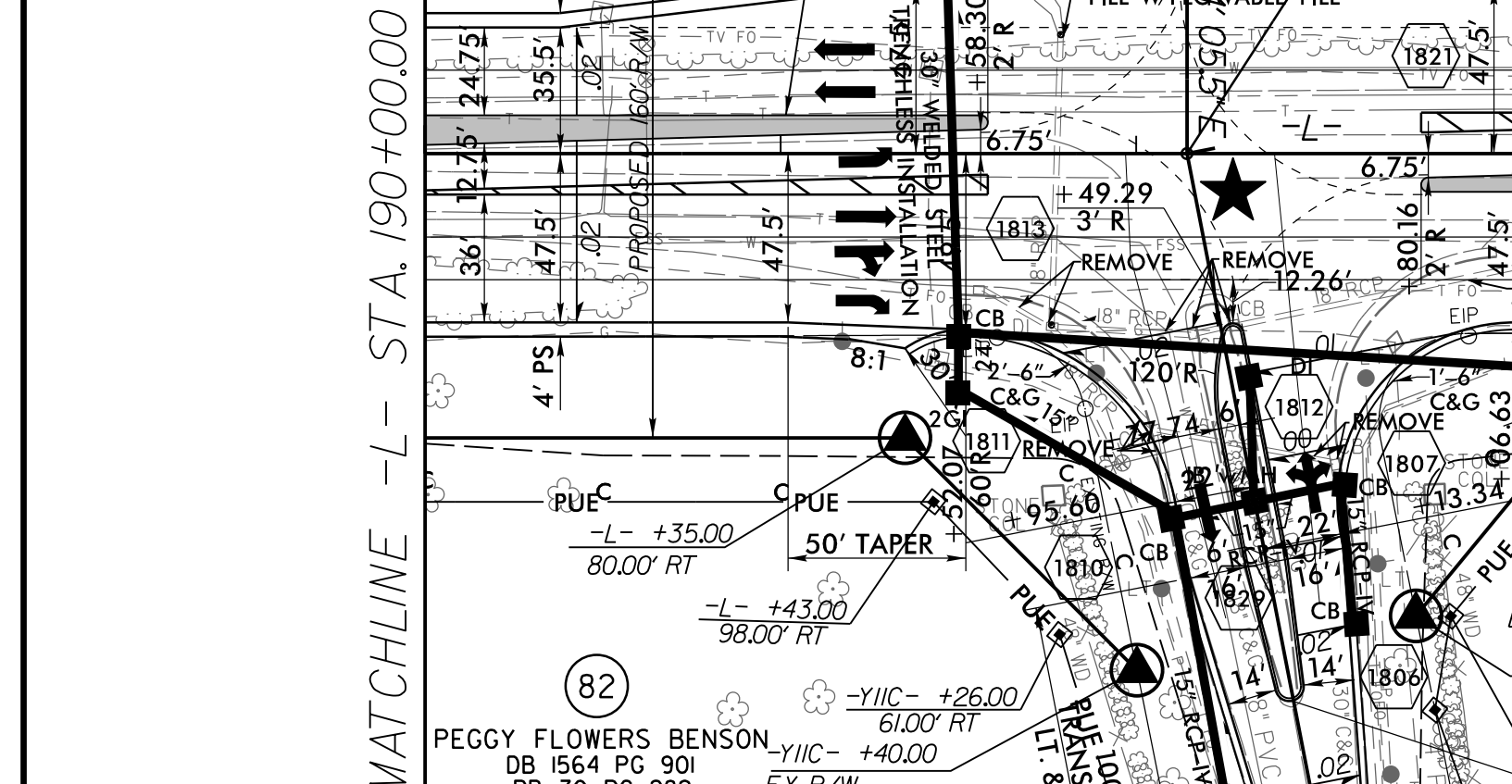
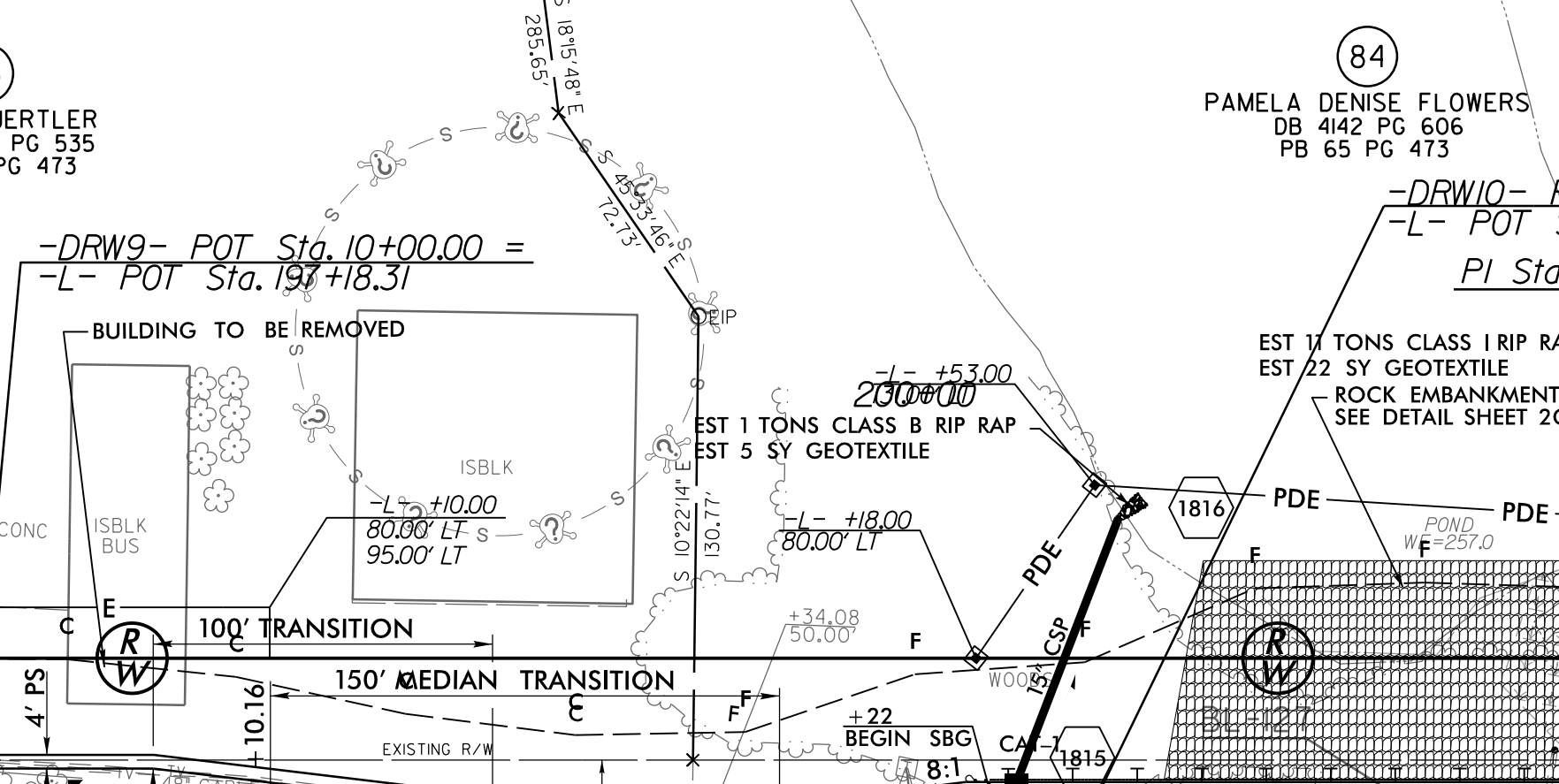
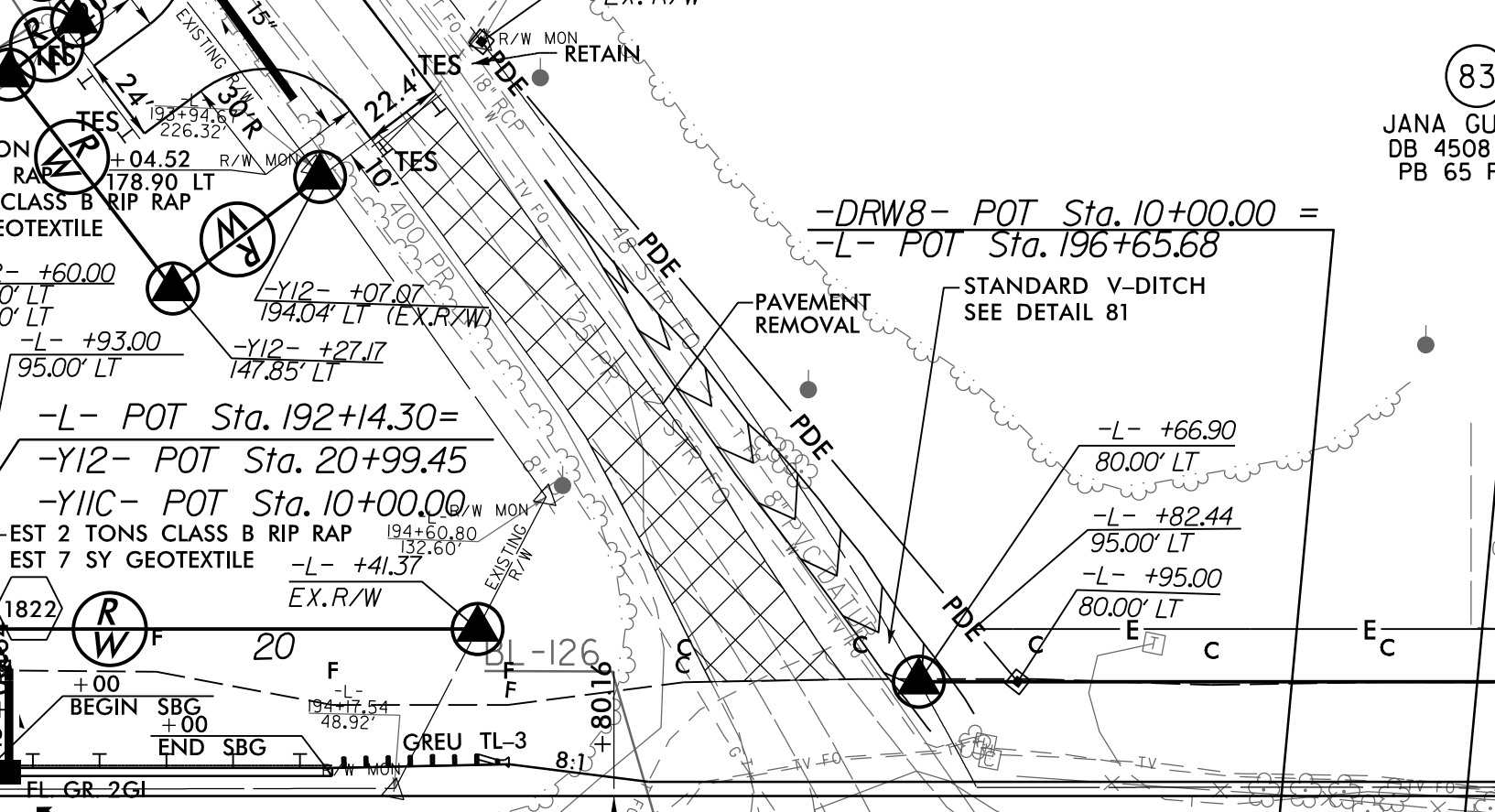
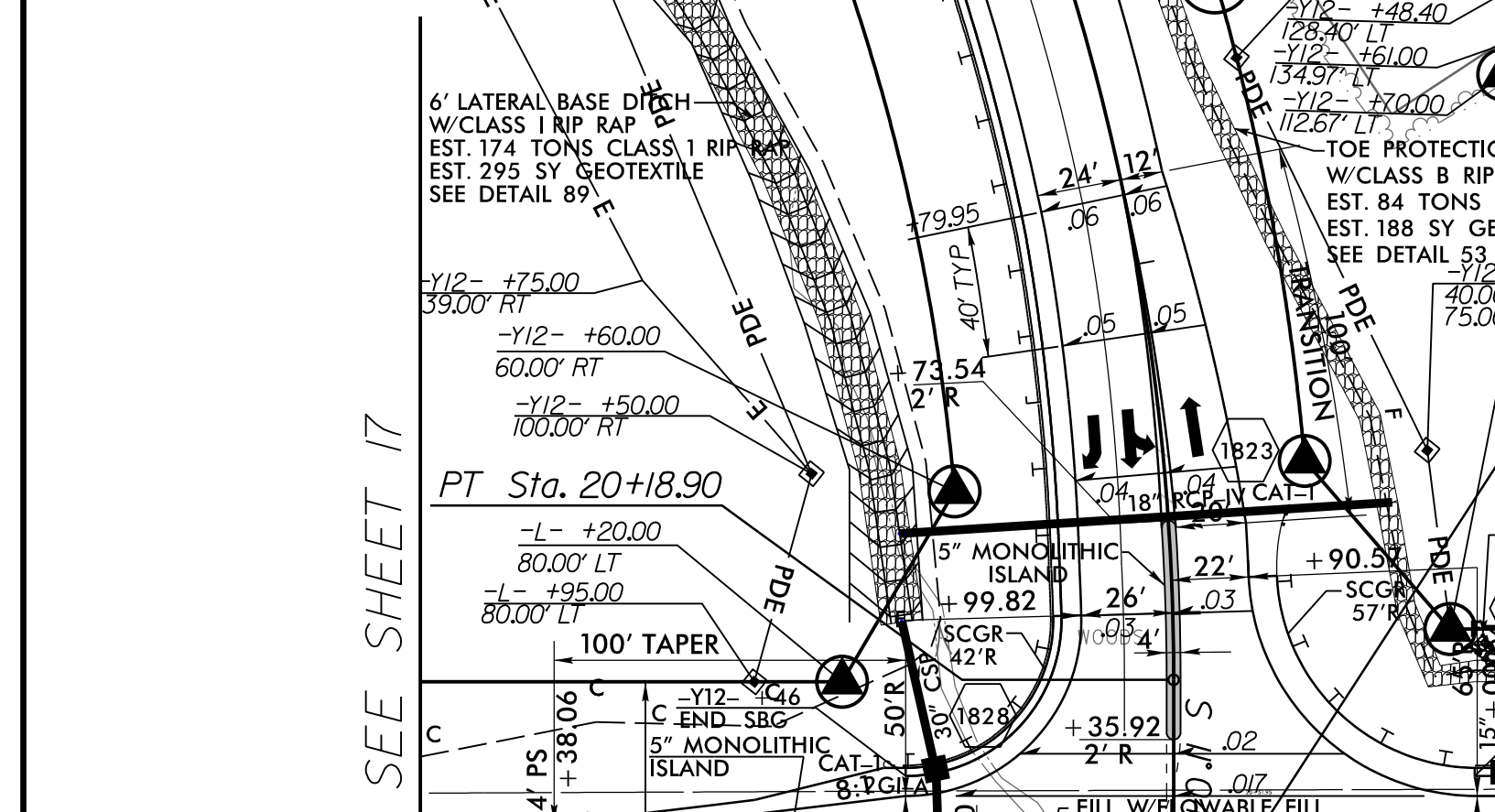
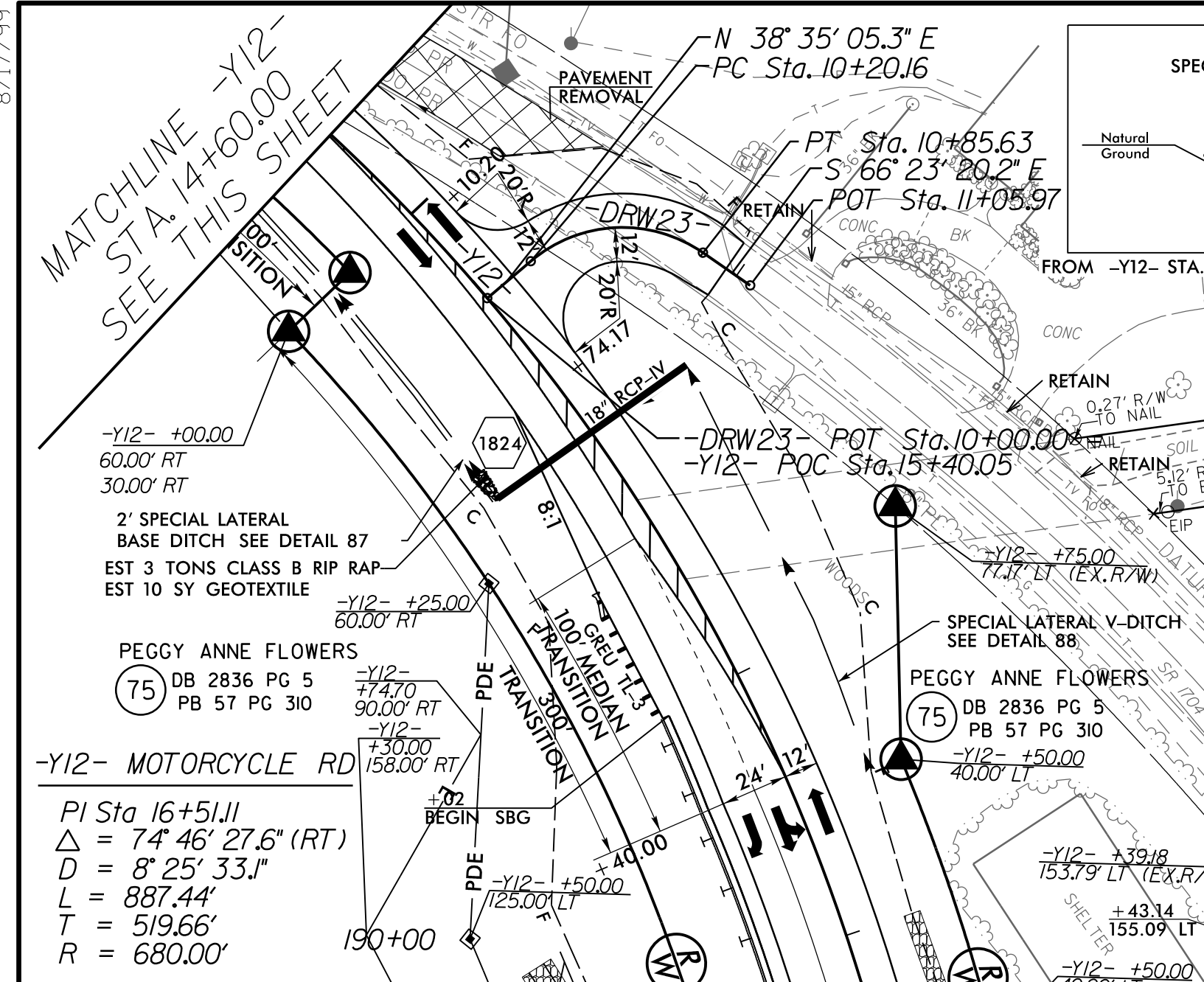
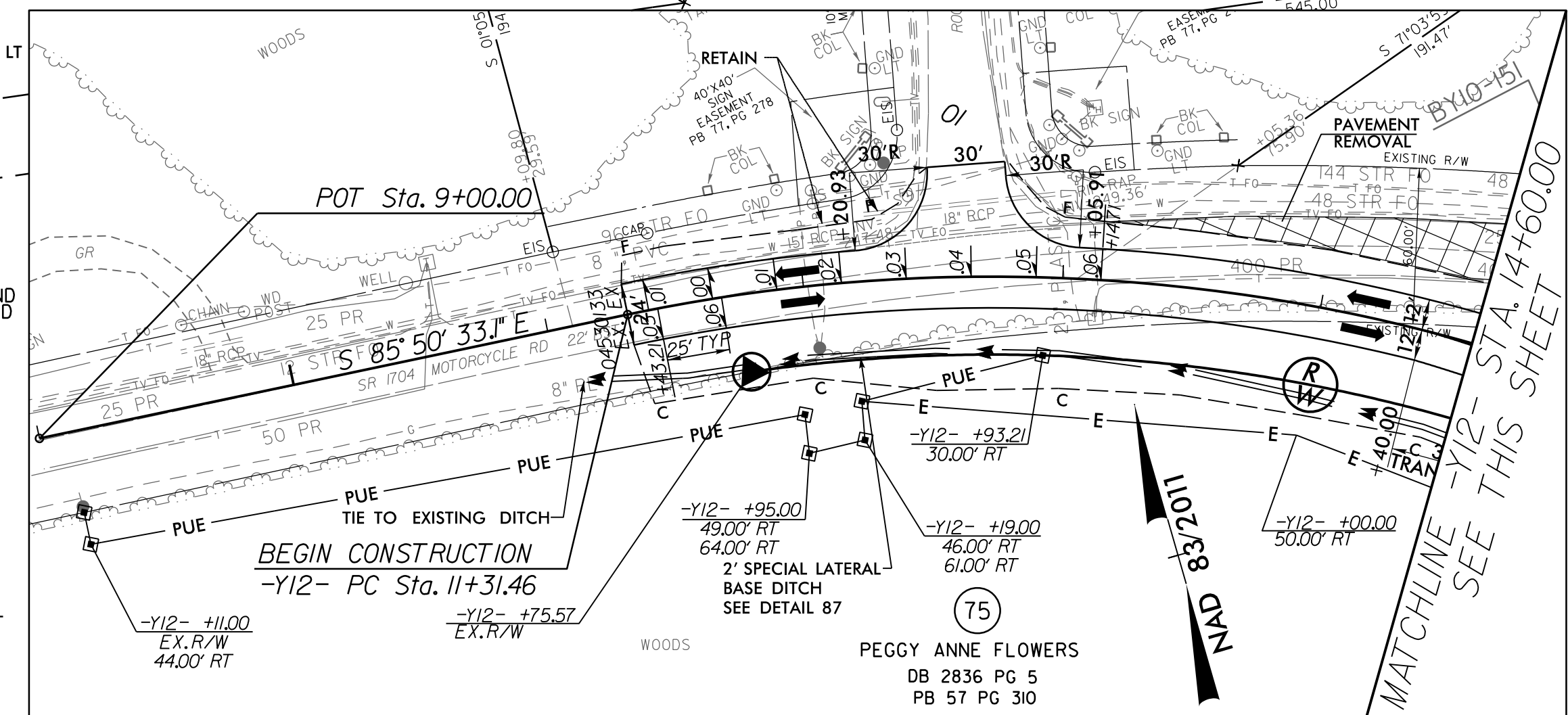
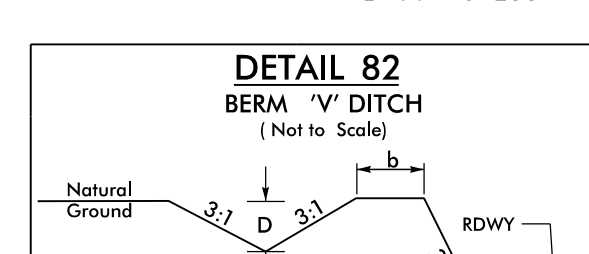
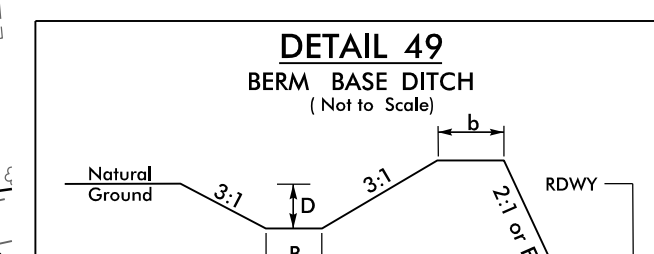
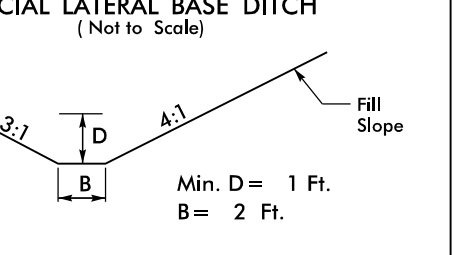
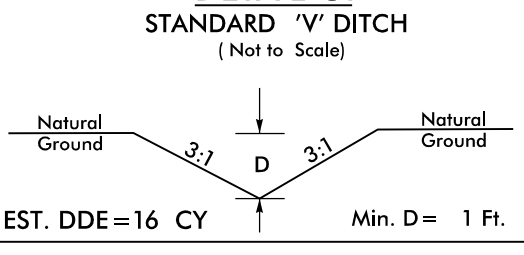
(76) 42 EAST LLC
DB 3018 PG 255
PB 64 PG 294

(77) 42 EAST LLC
DB 3018 PG 255
PB 77 PG 338



FOR -L- PROFILE SEE SHEET 30
FOR -YIIA- PROFILE SEE SHEET 35
FOR CULVERT DETAILS SEE C-1 THROUGH C-10
FOR CONC. ISLAND DETAILS SEE SHEET 2B-5

DRAKE ROBERTSON AND WIFE SONIA ROBERTSON
 DB 4248 PG 440
 PB 66 PG 253



FOR -L- PROFILE SEE SHEET 31
 FOR -Y11C- PROFILE SEE SHEET 36
 FOR -Y12- PROFILE SEE SHEET 36
 FOR -DRW8- PROFILE SEE SHEET 38
 FOR -DRW9- PROFILE SEE SHEET 39
 FOR -DRW10- PROFILE SEE SHEET 39
 FOR -DRW11- PROFILE SEE SHEET 39
 FOR -DRW23- PROFILE SEE SHEET 40
 FOR CONC. ISLAND DETAILS SEE SHEET 28-6

★ PROPOSED SIGNAL
 PAVEMENT REMOVAL

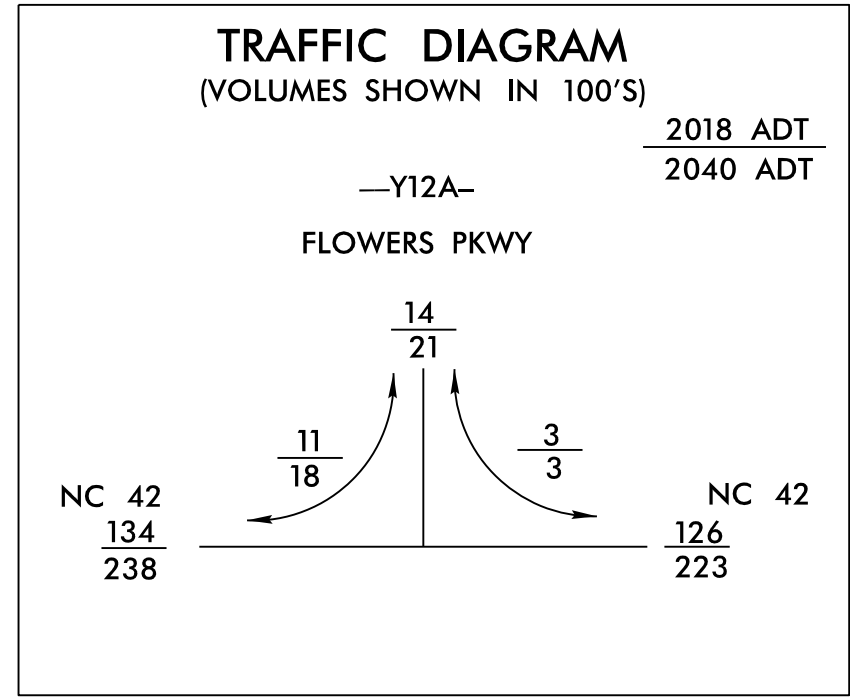
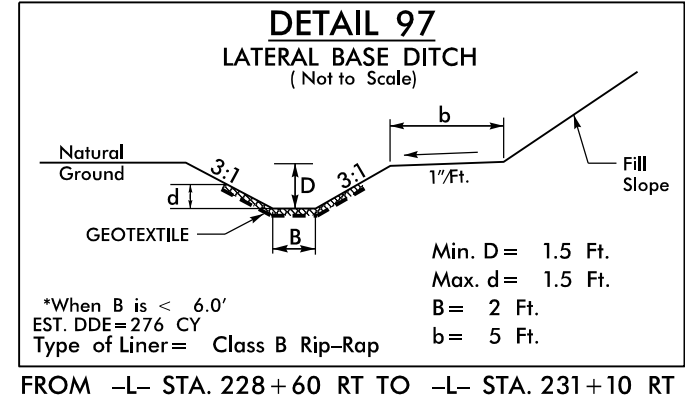
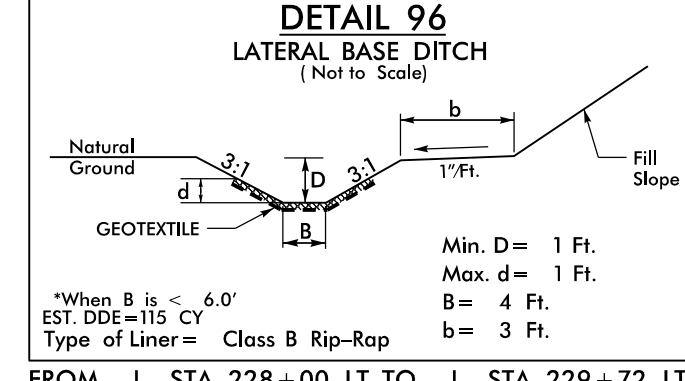
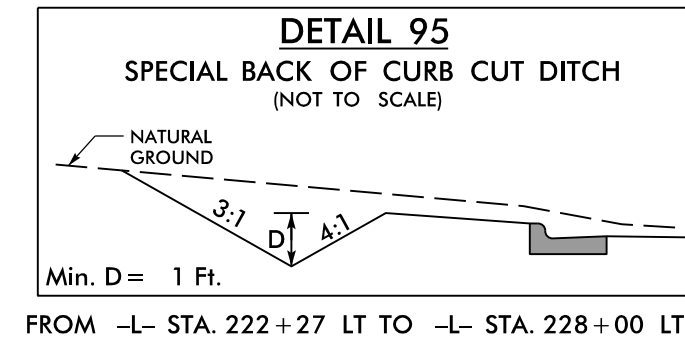
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MATCHLINE -Y12- STA. 14+60.00 SEE THIS SHEET

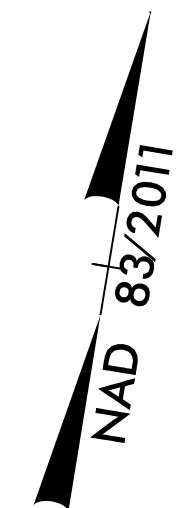
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NAD 83 2011



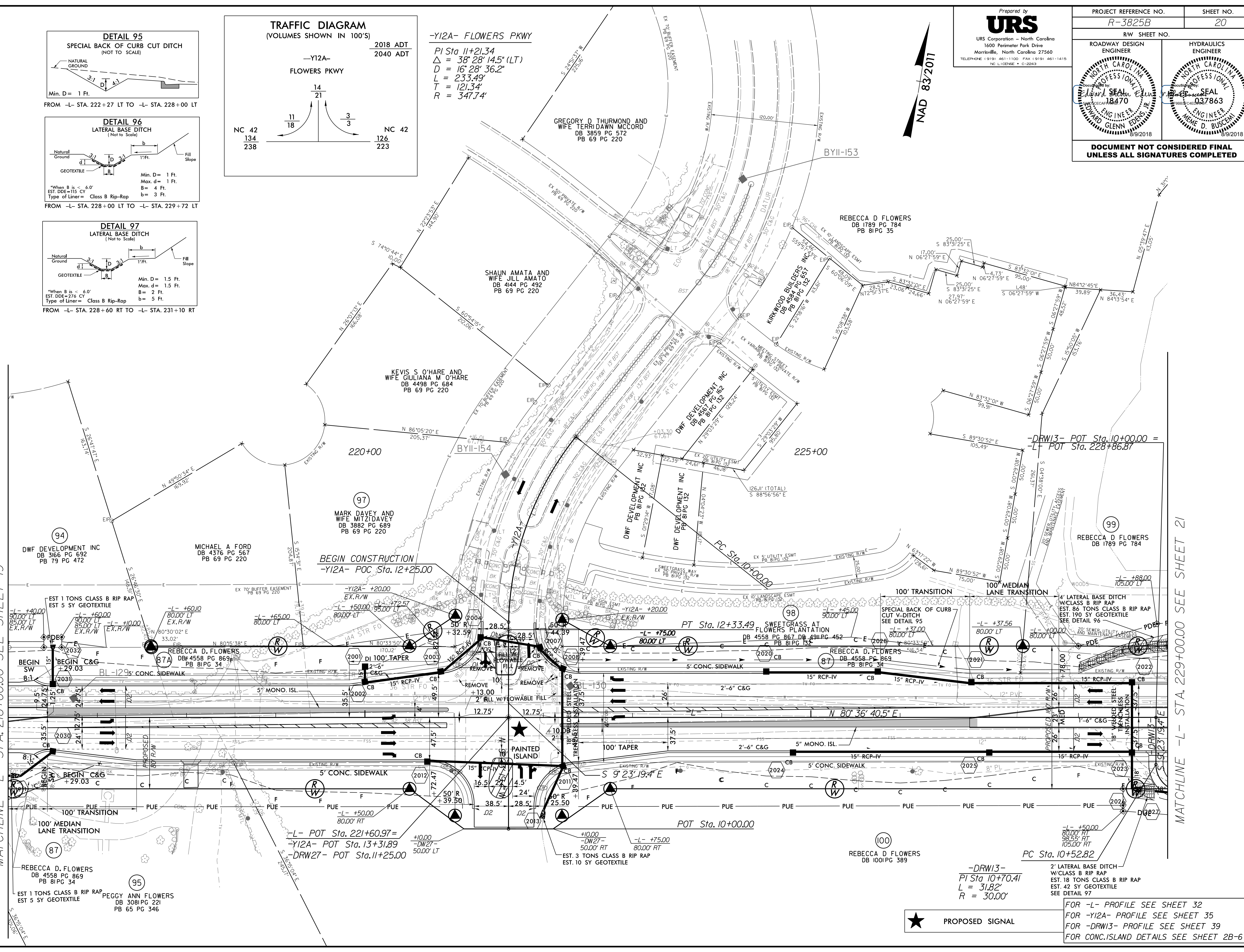
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URS Corporation - North Carolina
1600 Perimeter Park Drive
Morrisville, North Carolina 27560
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NC L10266E • C-2243

PROJECT REFERENCE NO. R-3825B	SHEET NO. 20
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



MATCHLINE -L- STA. 216+00.00 SEE SHEET 19

MATCHLINE -L- STA. 229+00.00 SEE SHEET 21



★ PROPOSED SIGNAL

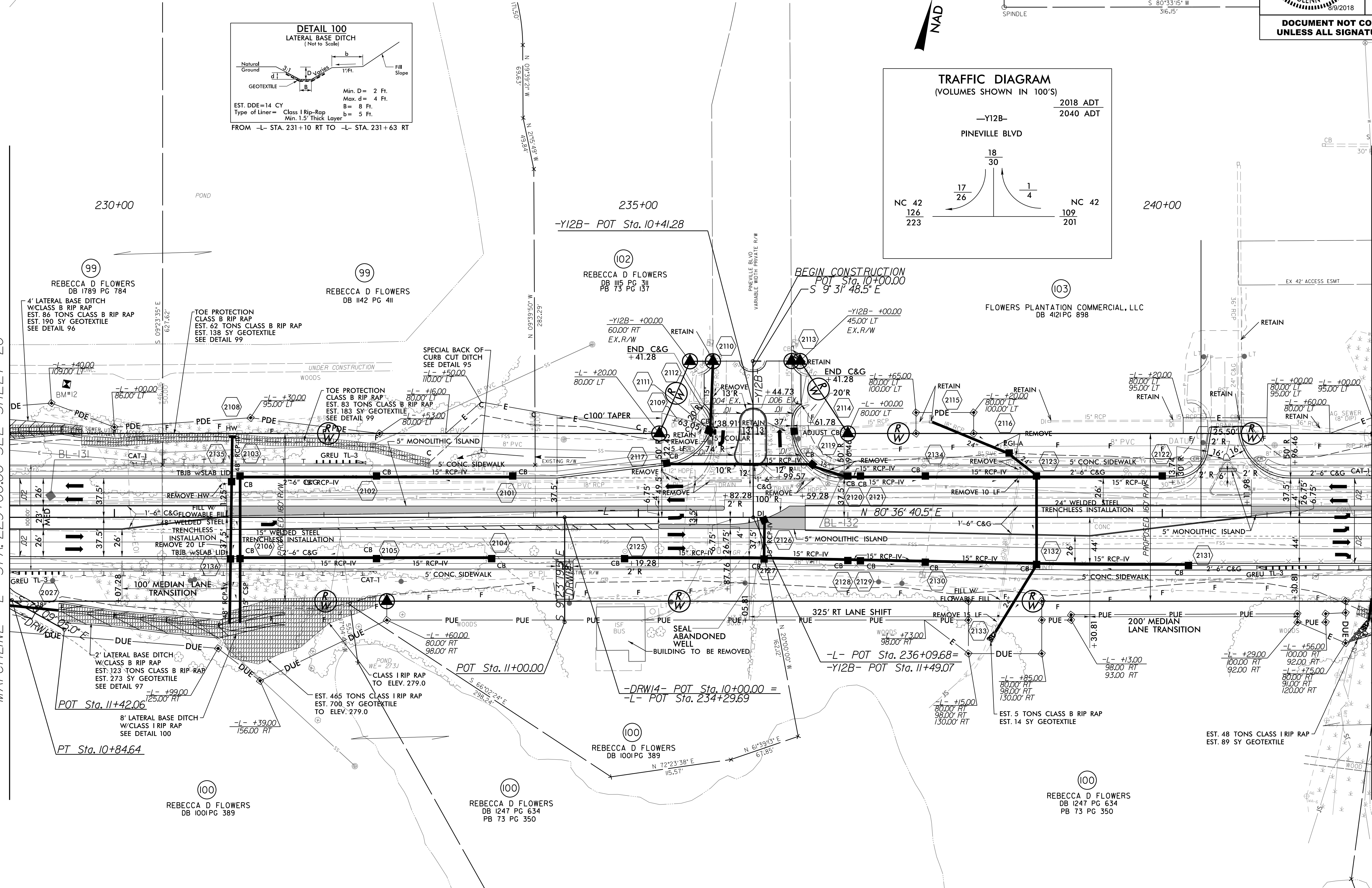
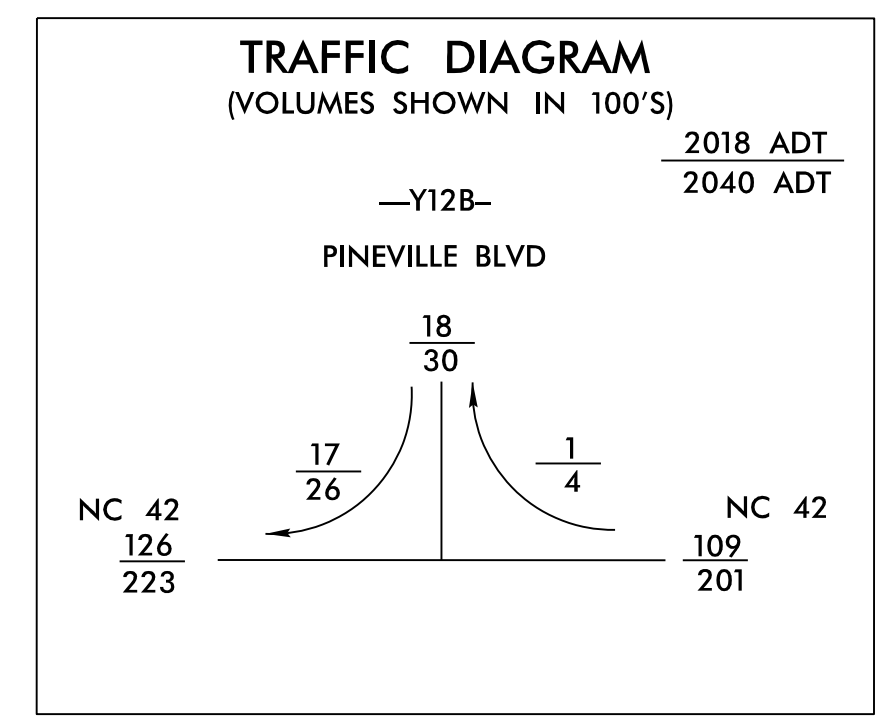
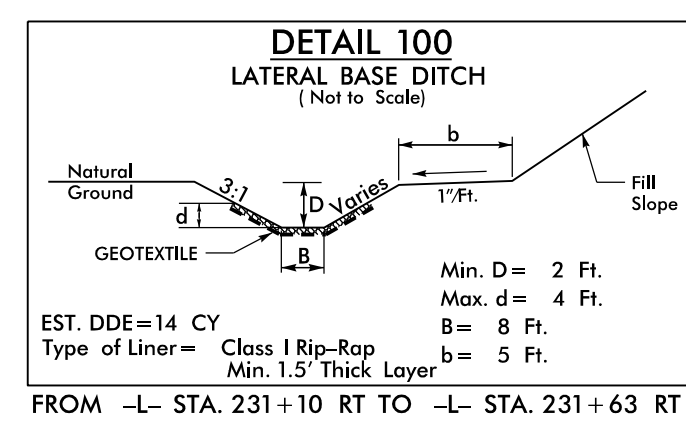
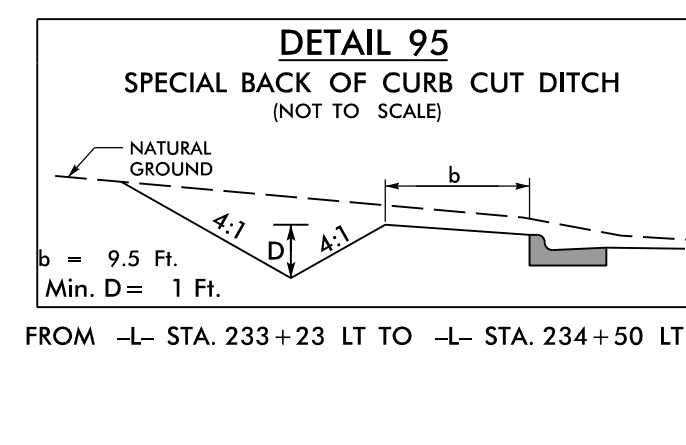
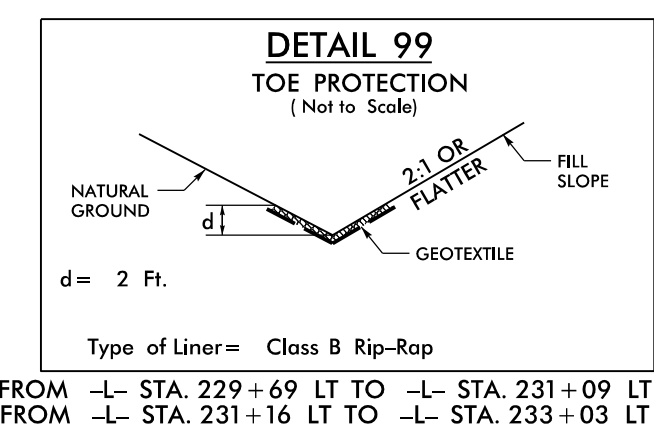
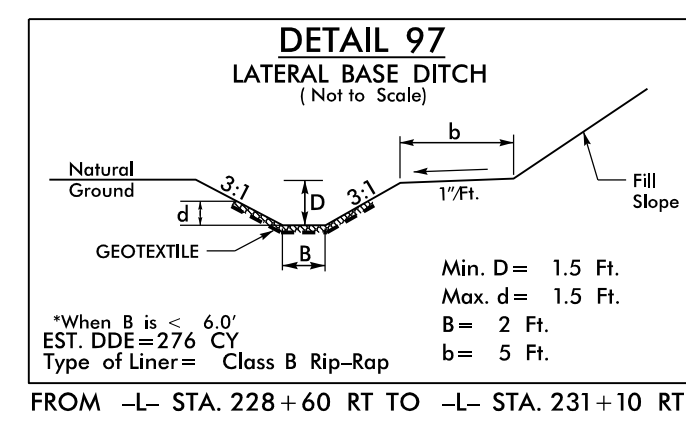
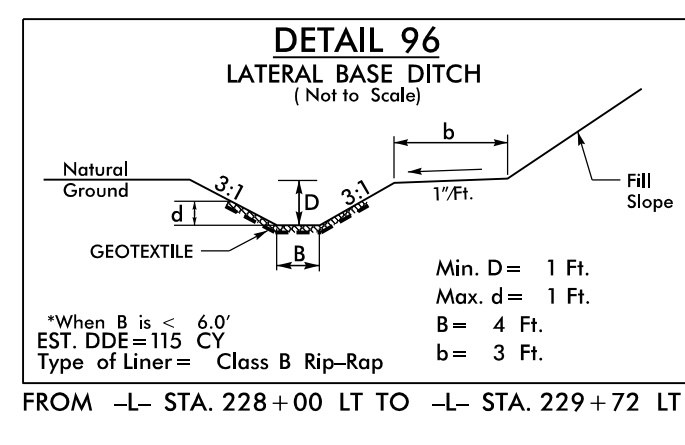
FOR -L- PROFILE SEE SHEET 32
FOR -Y12A- PROFILE SEE SHEET 35
FOR -DRW13- PROFILE SEE SHEET 39
FOR CONC. ISLAND DETAILS SEE SHEET 2B-6

8/17/2018 10:51 AM P:\03825B_rdu_psh20.dgn

8/17/09

MATCHLINE -L- STA. 229+00.00 SEE SHEET 20

MATCHLINE -L- STA. 242+00.00 SEE SHEET 22



FOR -L- PROFILE SEE SHEET 32
 FOR -Y12B- PROFILE SEE SHEET 35
 FOR -DRW13- PROFILE SEE SHEET 39
 FOR -DRW14- PROFILE SEE SHEET 39
 FOR CONC. ISLAND DETAILS SEE SHEET 2B-6

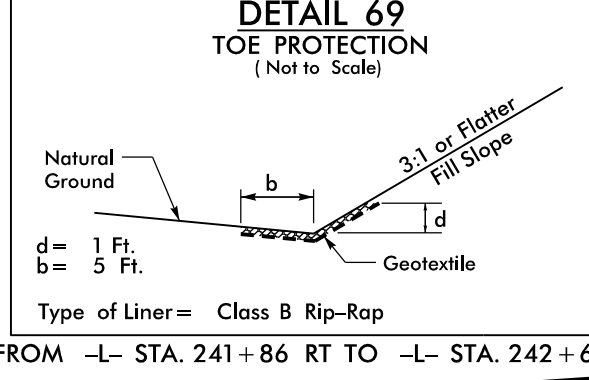
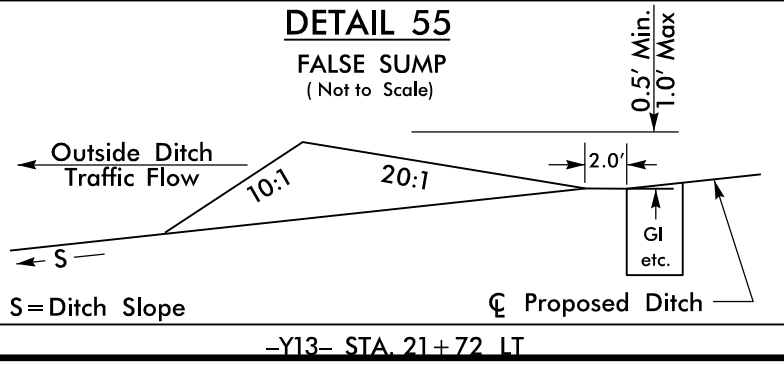
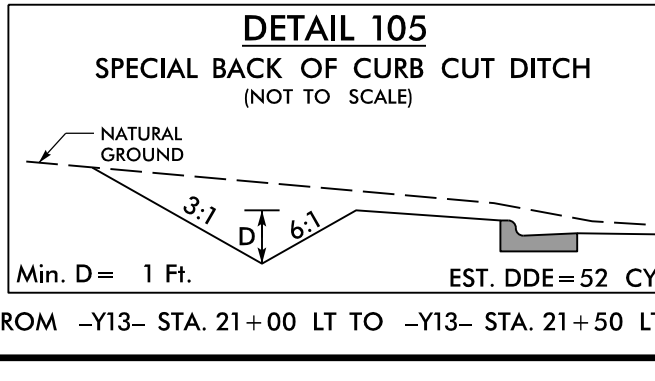
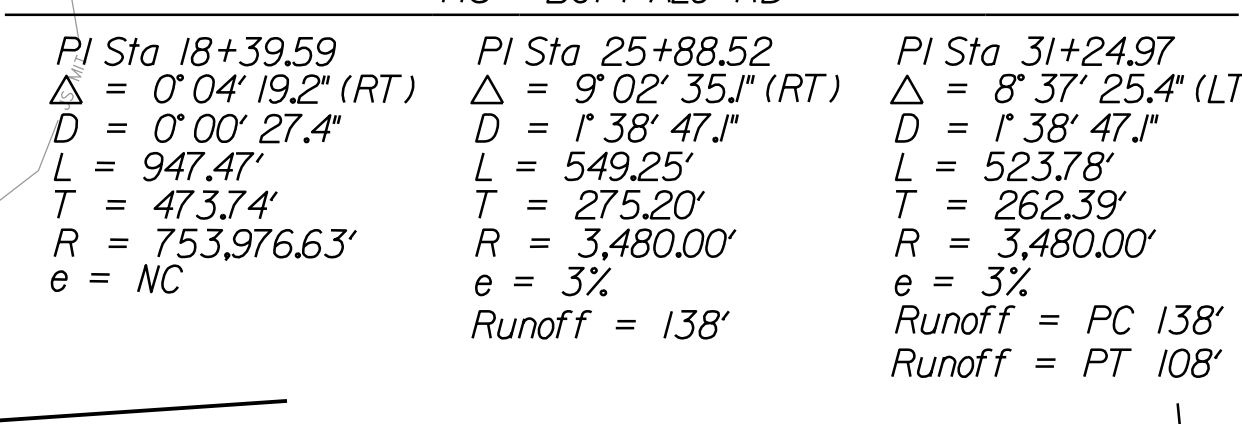
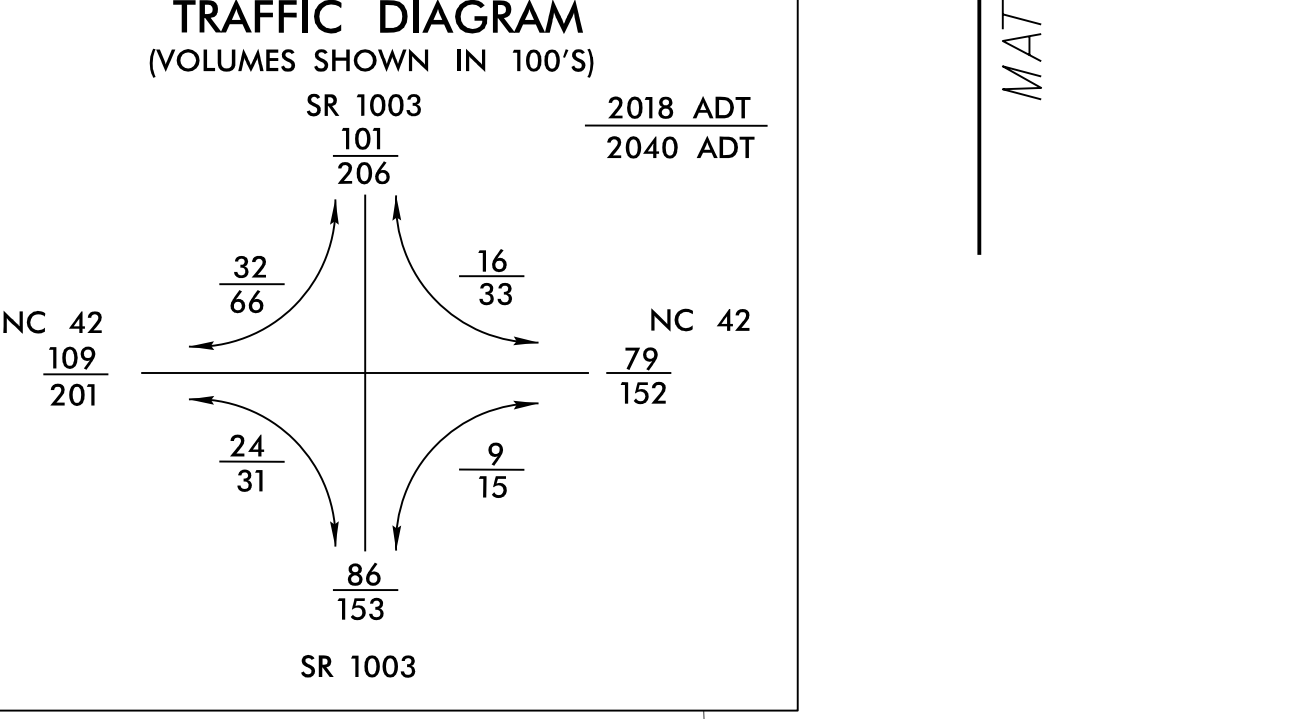
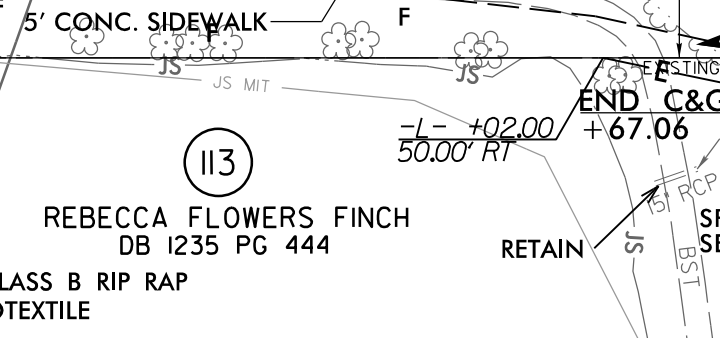
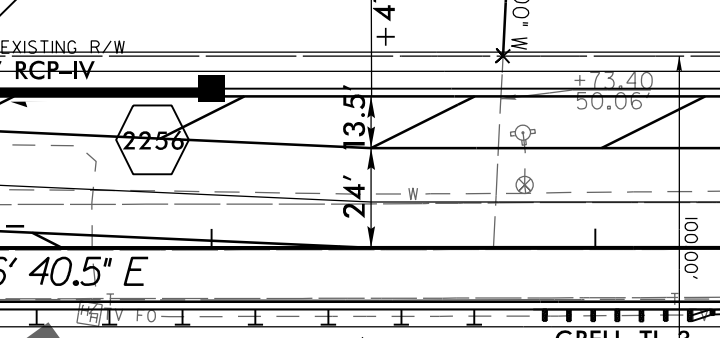
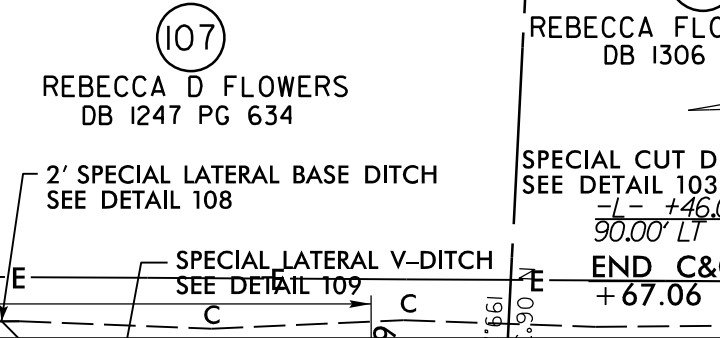
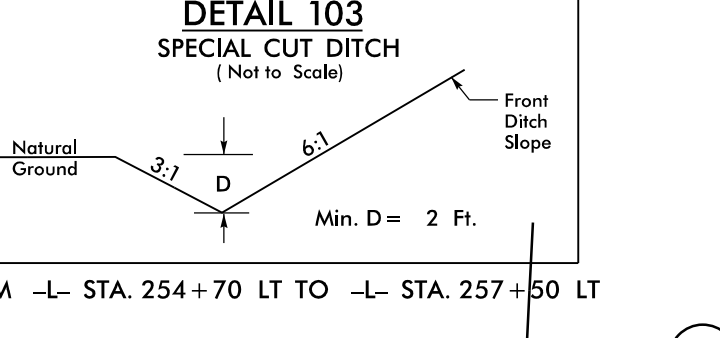
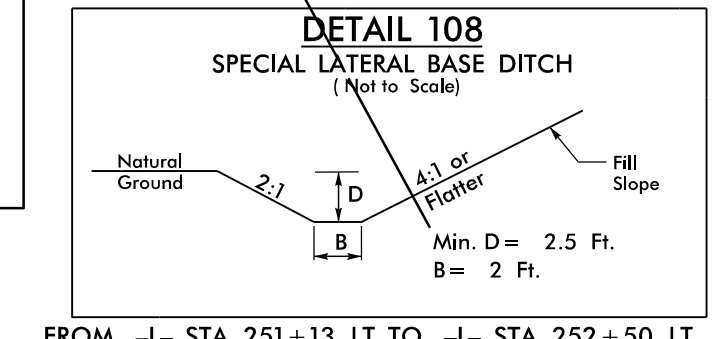
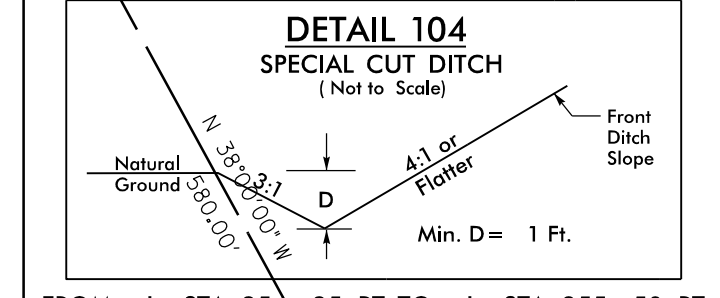
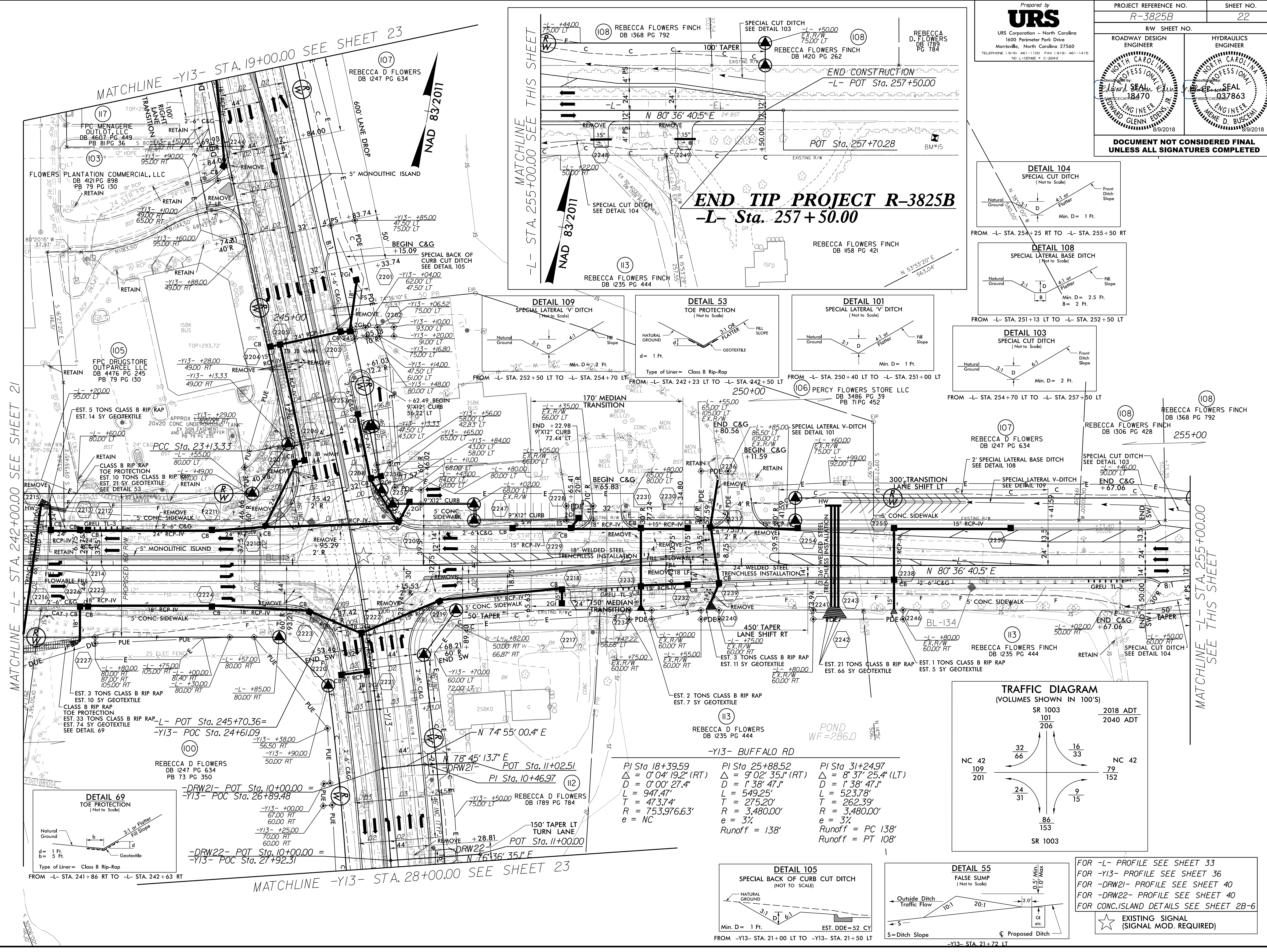
Prepared by
URS
 URS Corporation - North Carolina
 1600 Perimeter Park Drive
 Morrisville, North Carolina 27560
 TELEPHONE 1 919 461-1100 FAX 1 919 461-1415
 NC LIC# 05266 P. C-2243

PROJECT REFERENCE NO. R-3825B	SHEET NO. 21
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
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PROJECT REFERENCE NO. R-3825B	SHEET NO. 22
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



MATCHLINE -L- STA. 242+00.00 SEE SHEET 21

MATCHLINE -Y13- STA. 19+00.00 SEE SHEET 23

MATCHLINE -L- STA. 255+00.00 SEE THIS SHEET

MATCHLINE -L- STA. 255+00.00 SEE THIS SHEET

MATCHLINE -Y13- STA. 28+00.00 SEE SHEET 23

FOR -L- PROFILE SEE SHEET 33
 FOR -Y13- PROFILE SEE SHEET 36
 FOR -DRW21- PROFILE SEE SHEET 40
 FOR -DRW22- PROFILE SEE SHEET 40
 FOR CONC. ISLAND DETAILS SEE SHEET 2B-6

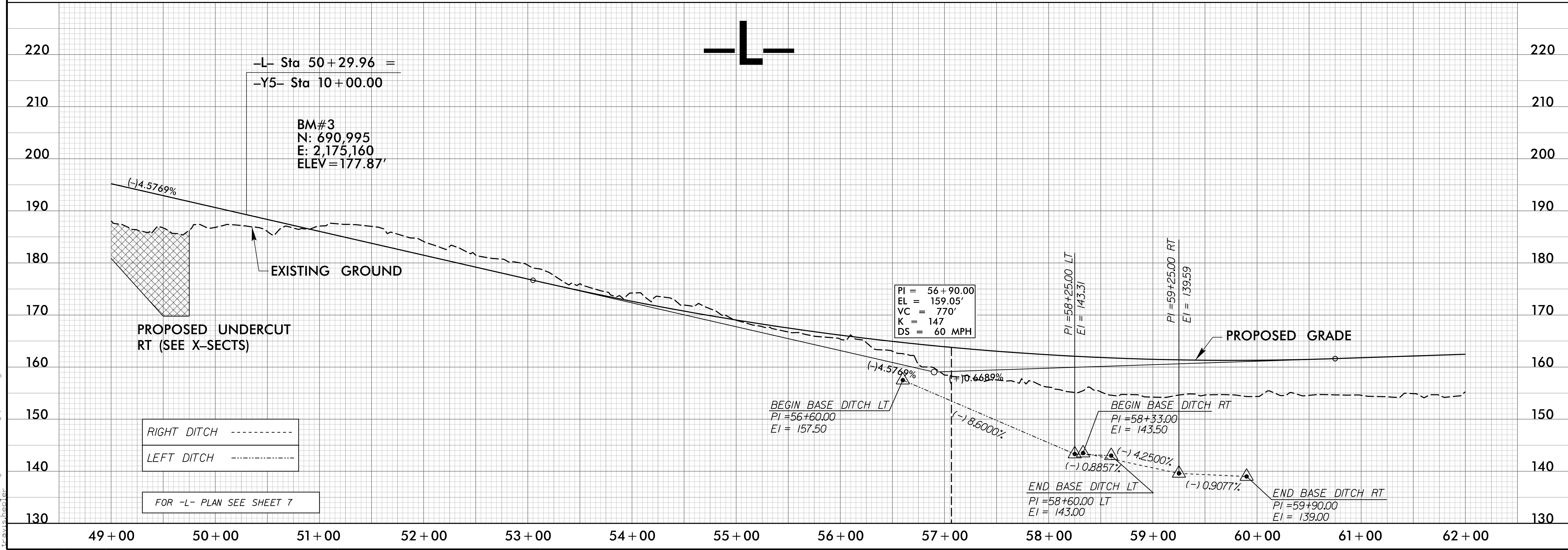
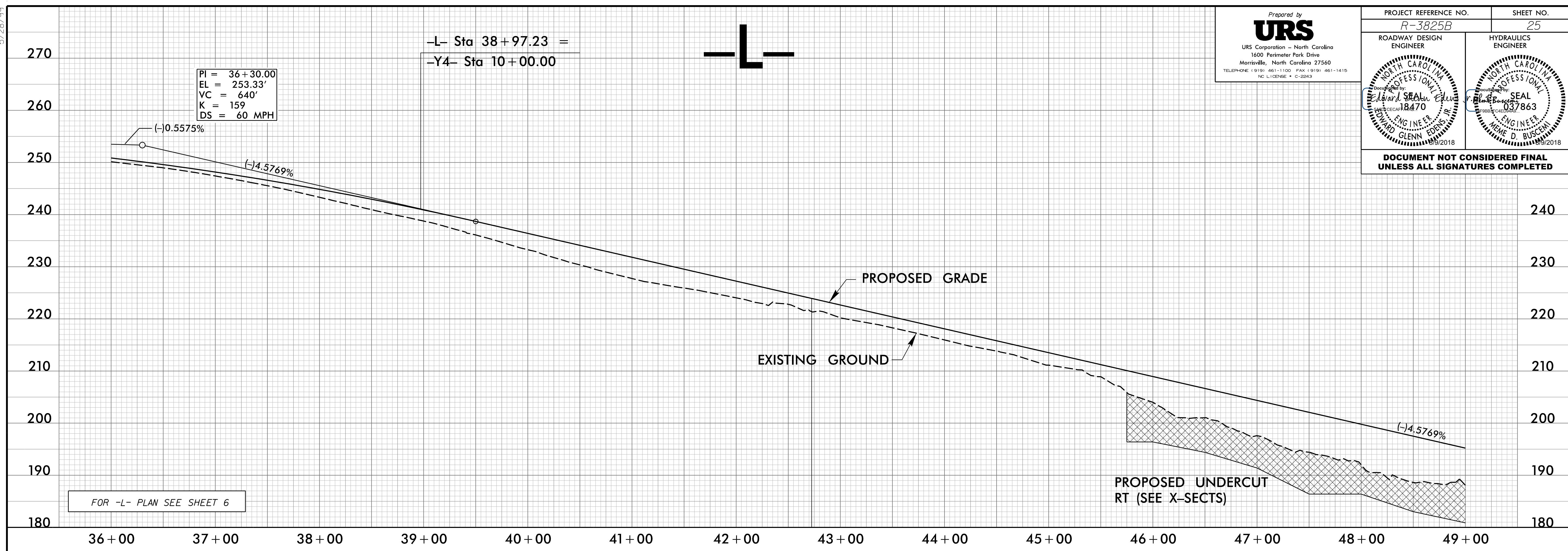
EXISTING SIGNAL (SIGNAL MOD. REQUIRED)

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 TRUSTEER

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PROJECT REFERENCE NO. R-3825B	SHEET NO. 25
ROADWAY DESIGN ENGINEER <i>[Signature]</i>	HYDRAULICS ENGINEER <i>[Signature]</i>
Professional Engineer Seal No. 18470 Glenn Ediss 9/2018	Professional Engineer Seal No. 037863 Wendy D. Buscemi 9/2018
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



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FOR -L- PLAN SEE SHEET 6

RIGHT DITCH - - - - -
 LEFT DITCH - - - - -

FOR -L- PLAN SEE SHEET 7

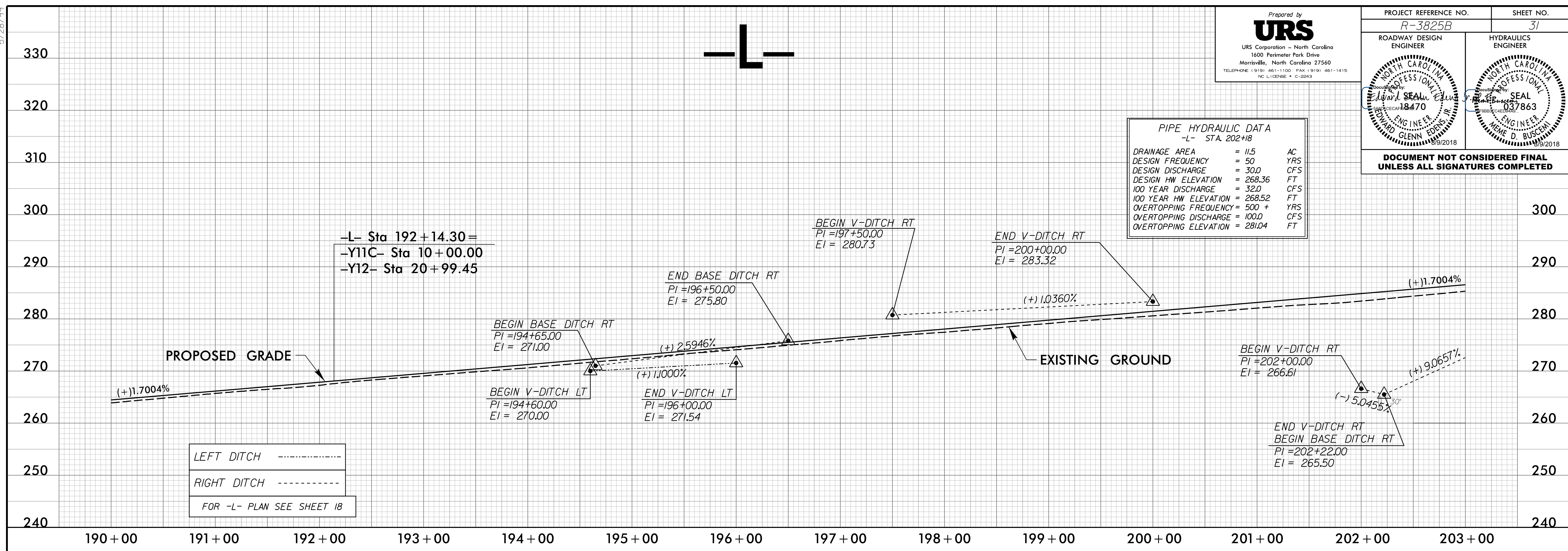
5/28/19

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 Morrisville, North Carolina 27560
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 NC LICENSE # C-25243

PROJECT REFERENCE NO. R-3825B	SHEET NO. 31
ROADWAY DESIGN ENGINEER <i>[Signature]</i>	HYDRAULICS ENGINEER <i>[Signature]</i>
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

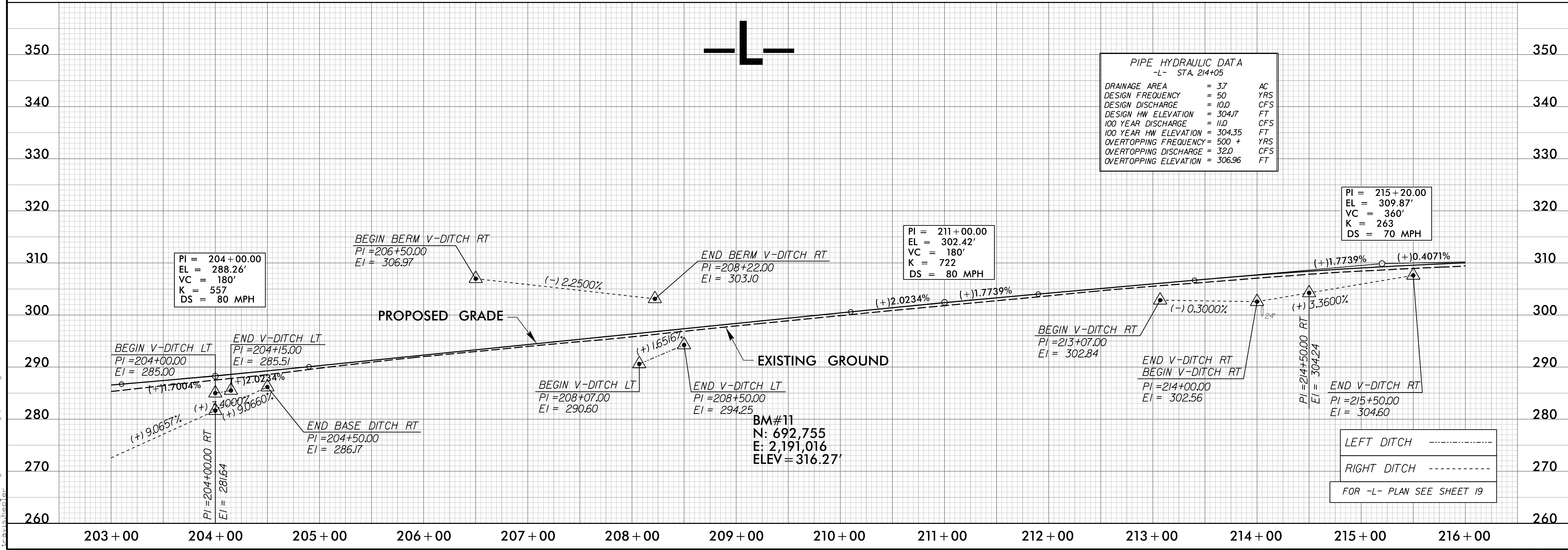
PIPE HYDRAULIC DATA
 -L- STA. 202+18

DRAINAGE AREA	= 11.5	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 30.0	CFS
DESIGN HW ELEVATION	= 268.36	FT
100 YEAR DISCHARGE	= 32.0	CFS
100 YEAR HW ELEVATION	= 268.52	FT
OVERTOPPING FREQUENCY	= 500 +	YRS
OVERTOPPING DISCHARGE	= 100.0	CFS
OVERTOPPING ELEVATION	= 281.04	FT



PIPE HYDRAULIC DATA
 -L- STA. 214+05

DRAINAGE AREA	= 3.7	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 10.0	CFS
DESIGN HW ELEVATION	= 304.17	FT
100 YEAR DISCHARGE	= 11.0	CFS
100 YEAR HW ELEVATION	= 304.35	FT
OVERTOPPING FREQUENCY	= 500 +	YRS
OVERTOPPING DISCHARGE	= 32.0	CFS
OVERTOPPING ELEVATION	= 306.96	FT



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 5/28/19 10:45:11 AM
 uravb@urscorp.com

5/28/19

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 Morrisville, North Carolina 27560
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PROJECT REFERENCE NO. R-3825B	SHEET NO. 33
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

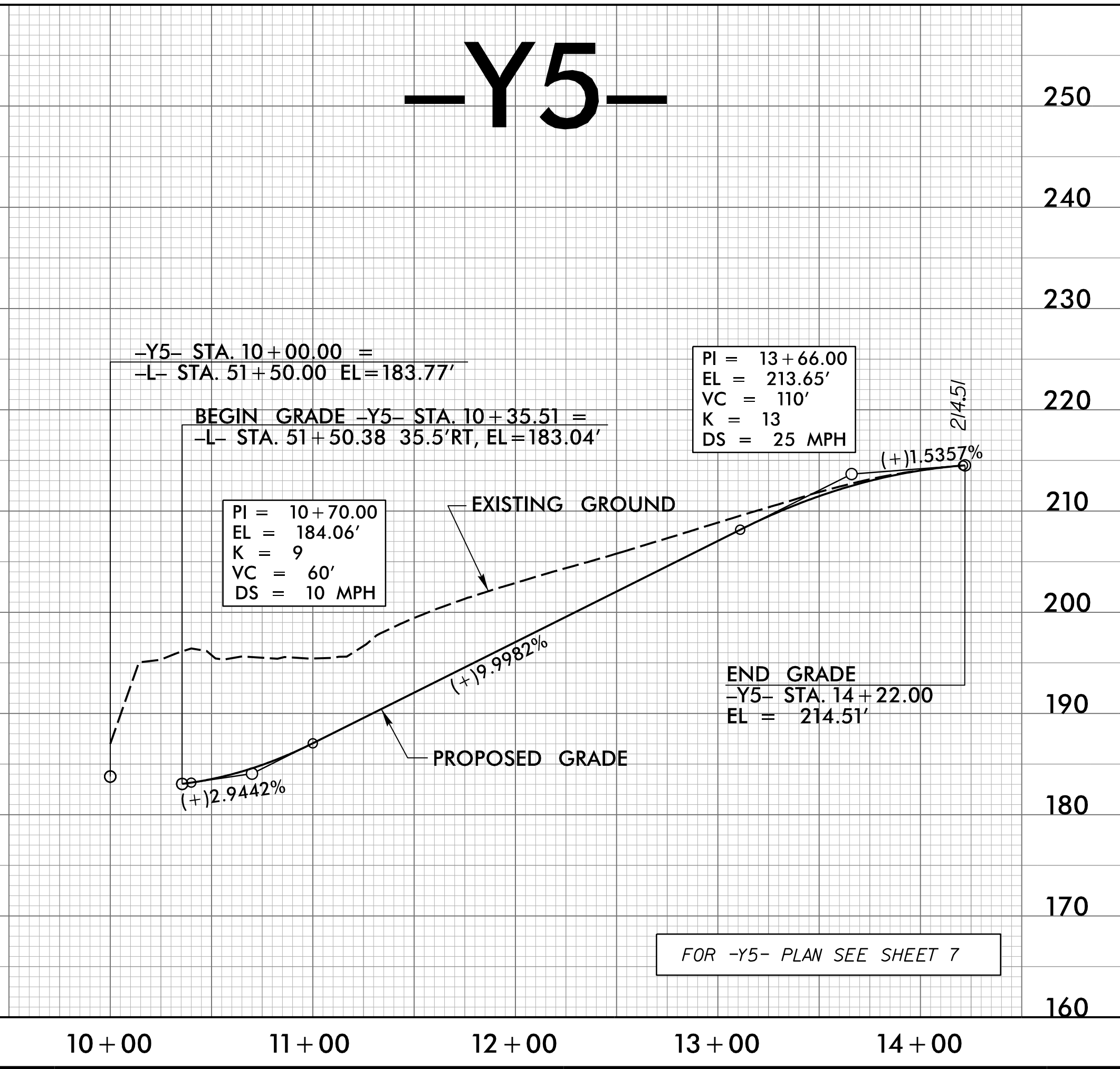
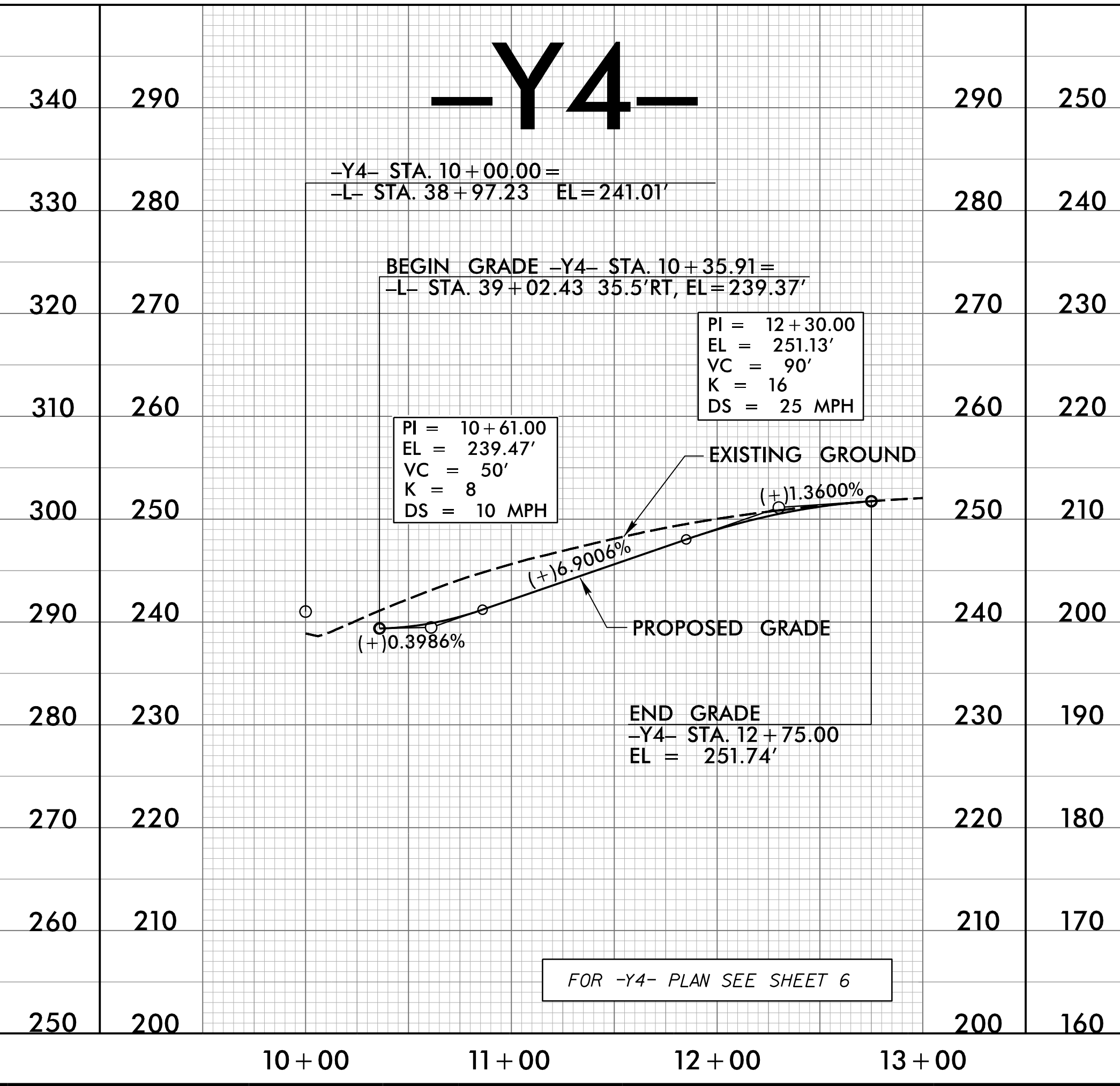
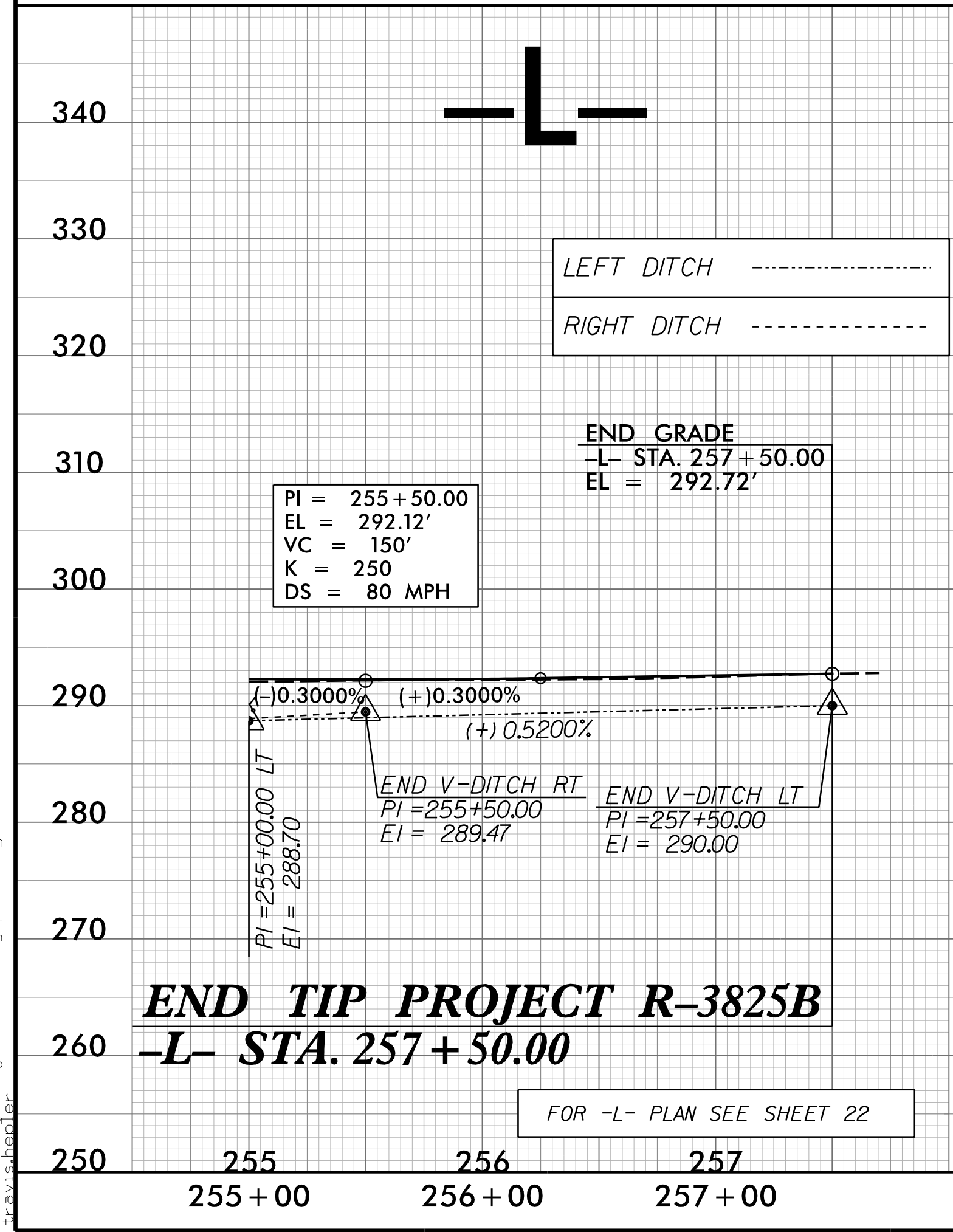
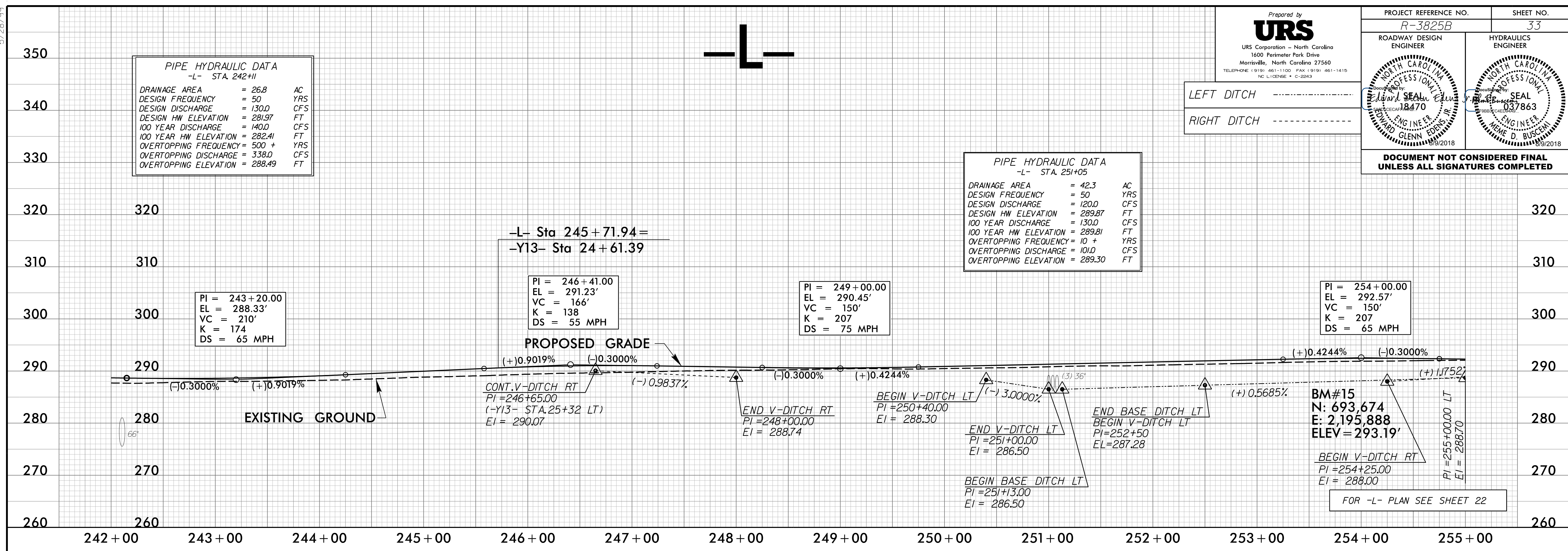
PIPE HYDRAULIC DATA
-L- STA. 242+00

DRAINAGE AREA	= 26.8	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 130.0	CFS
DESIGN HW ELEVATION	= 281.97	FT
100 YEAR DISCHARGE	= 140.0	CFS
100 YEAR HW ELEVATION	= 282.41	FT
OVERTOPPING FREQUENCY	= 500 +	YRS
OVERTOPPING DISCHARGE	= 338.0	CFS
OVERTOPPING ELEVATION	= 288.49	FT

PIPE HYDRAULIC DATA
-L- STA. 251+05

DRAINAGE AREA	= 42.3	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 120.0	CFS
DESIGN HW ELEVATION	= 289.87	FT
100 YEAR DISCHARGE	= 130.0	CFS
100 YEAR HW ELEVATION	= 289.81	FT
OVERTOPPING FREQUENCY	= 10 +	YRS
OVERTOPPING DISCHARGE	= 101.0	CFS
OVERTOPPING ELEVATION	= 289.30	FT

LEFT DITCH -----
 RIGHT DITCH -----

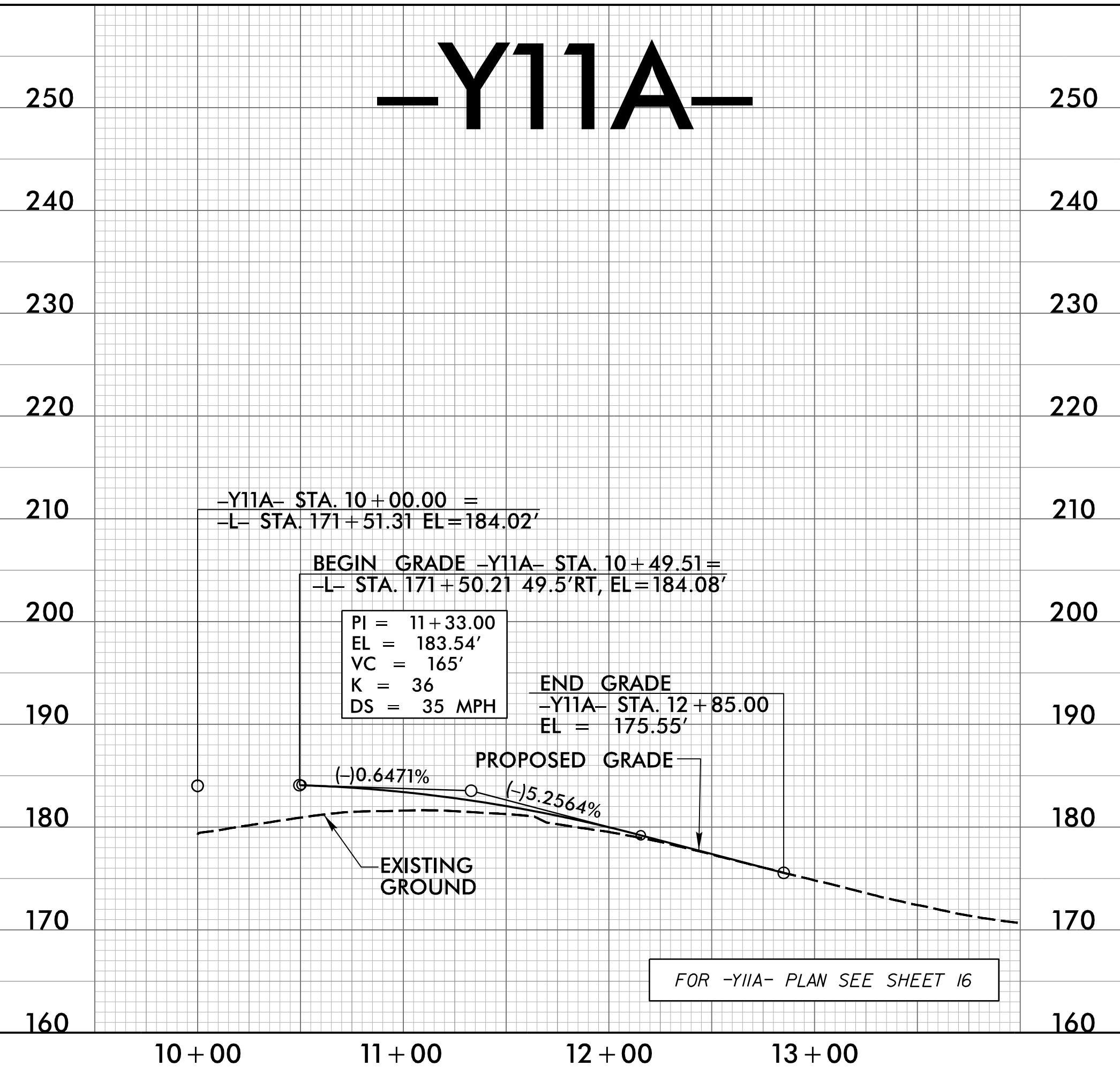
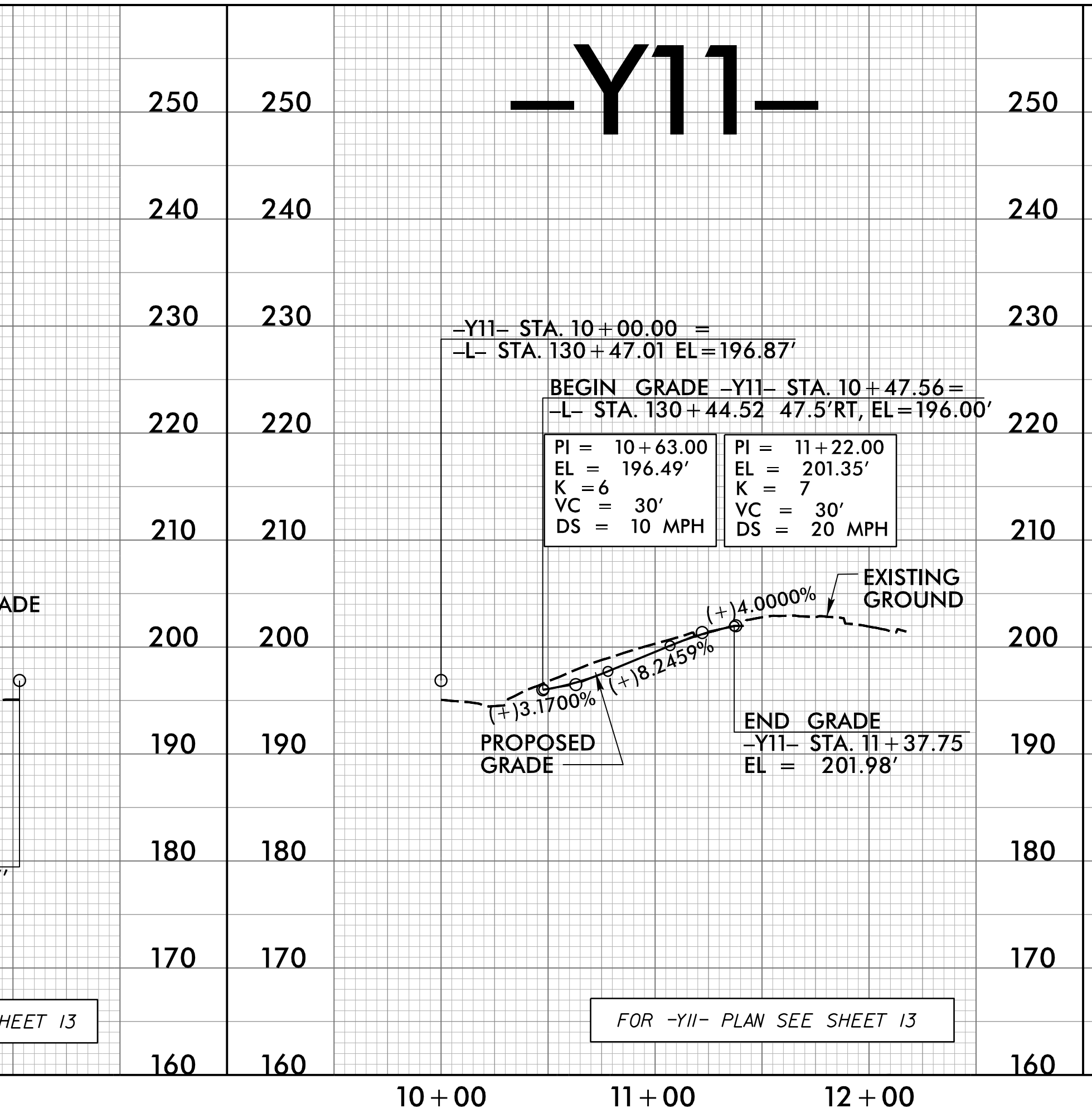
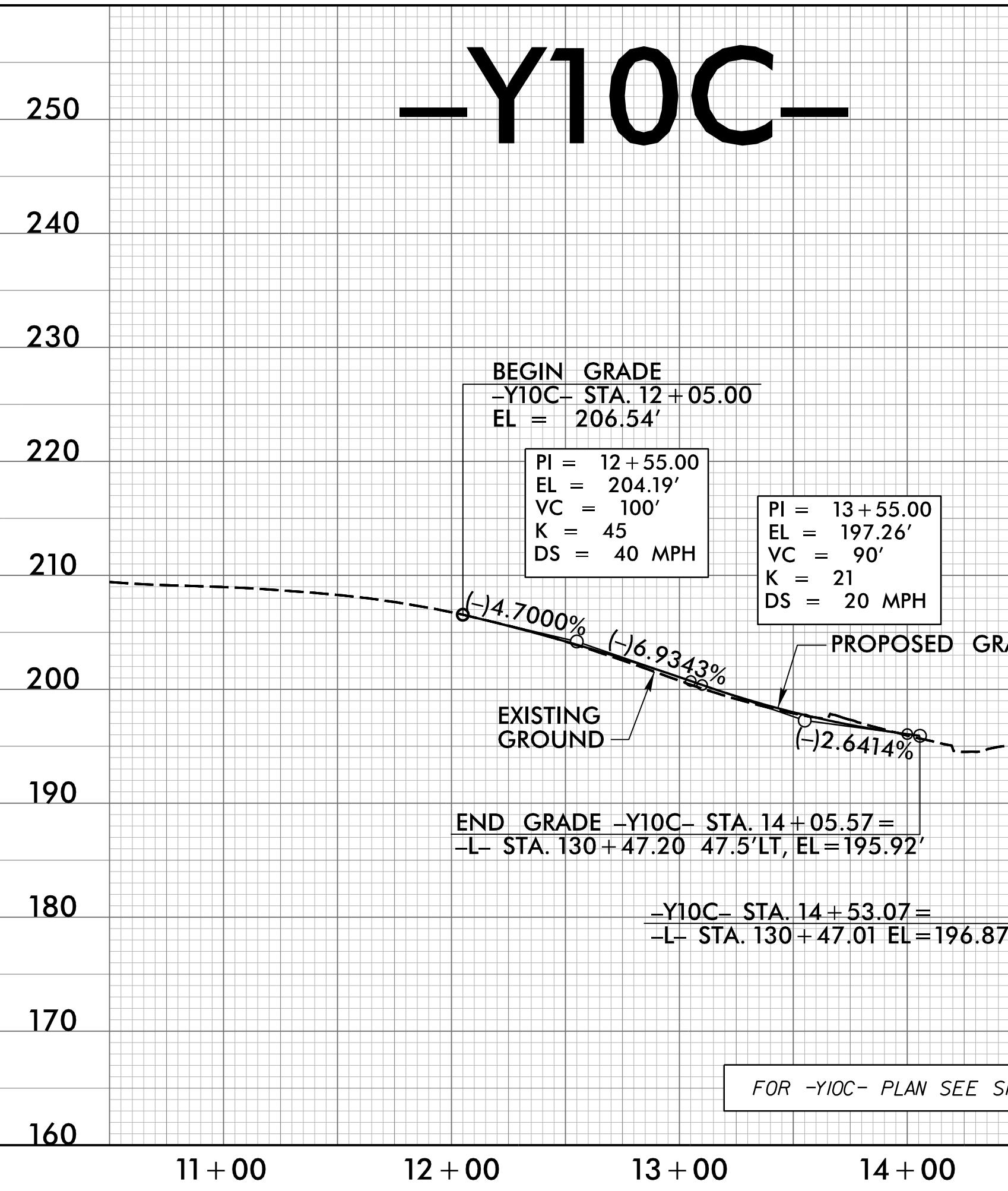
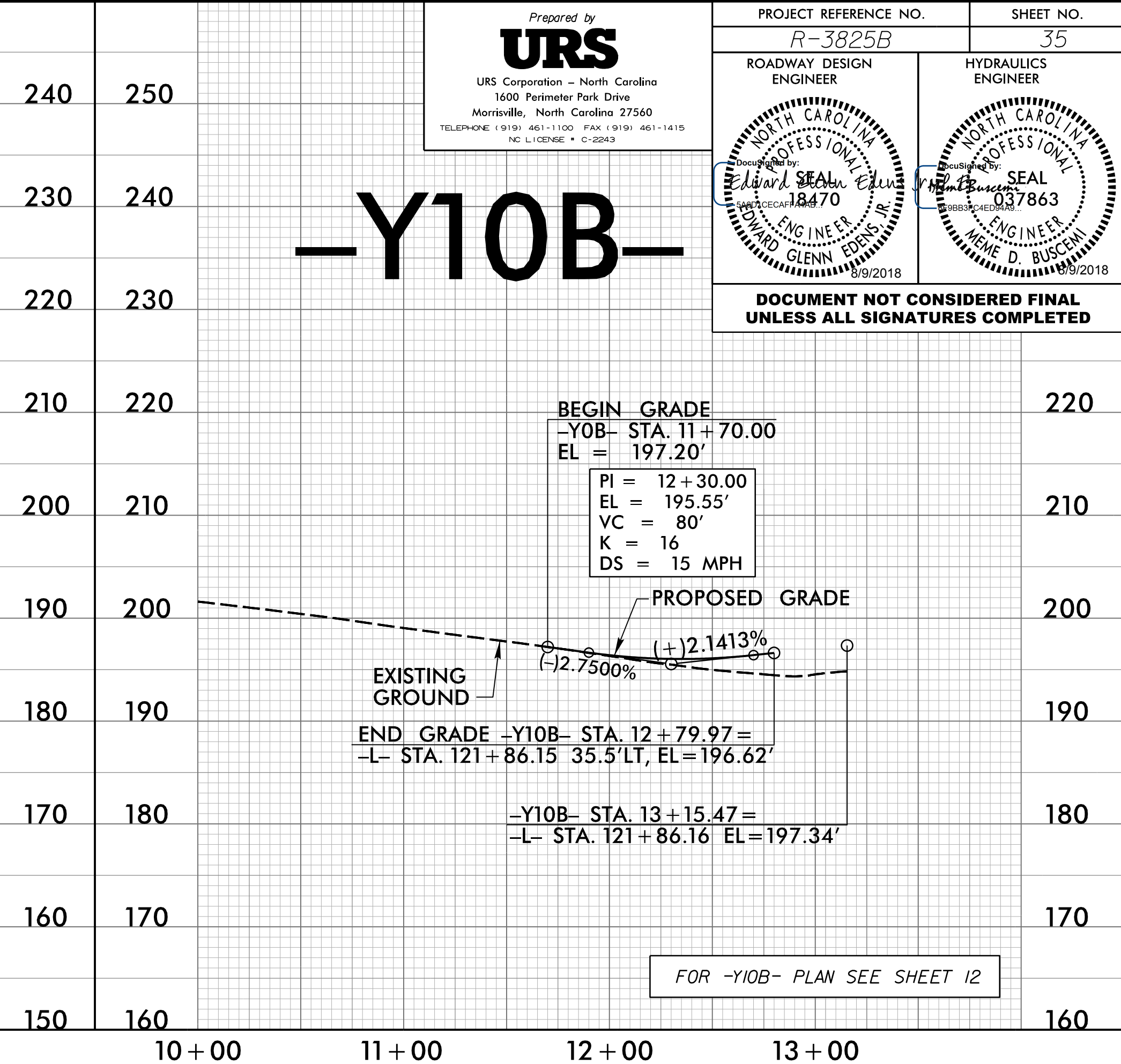
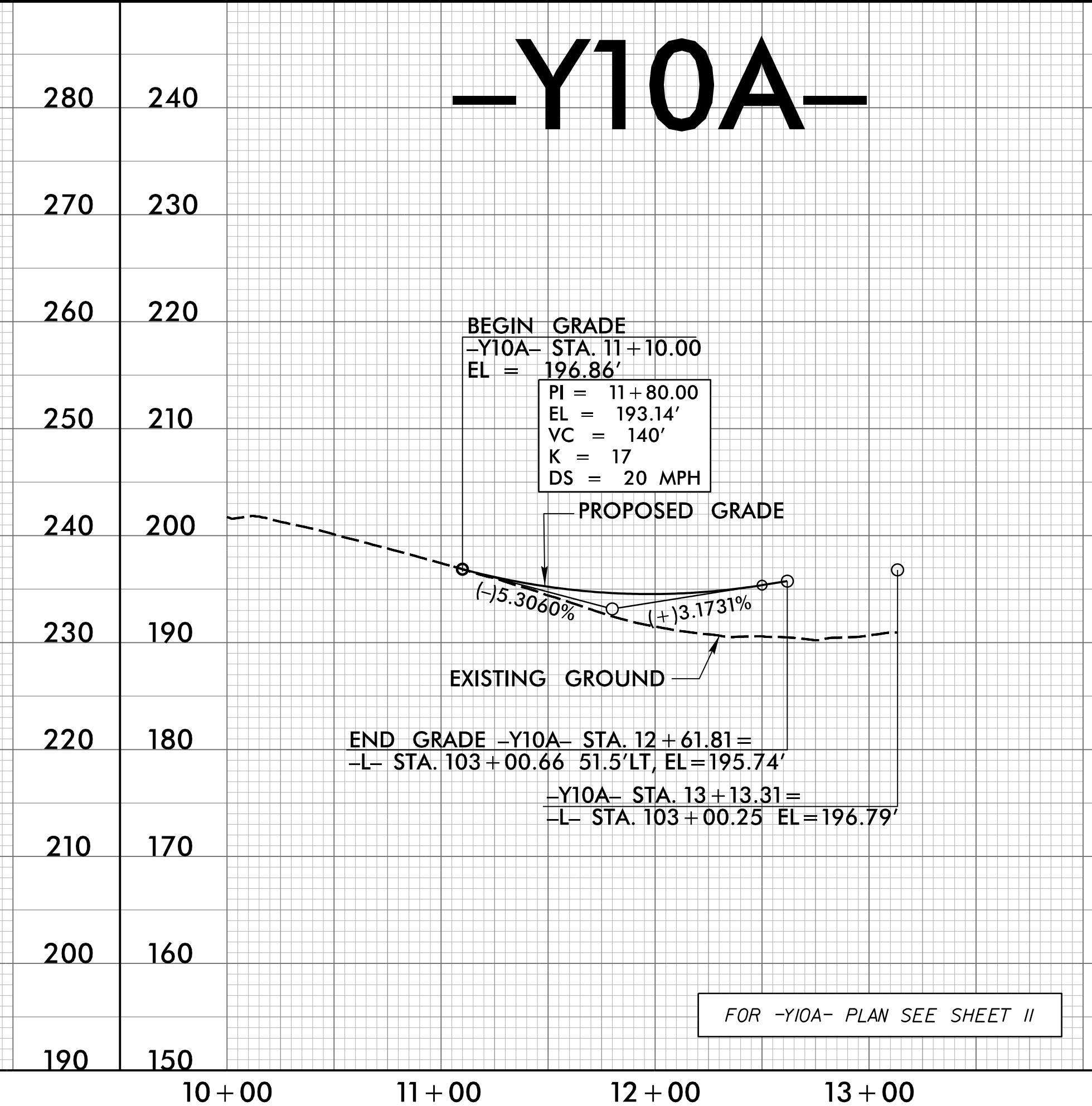
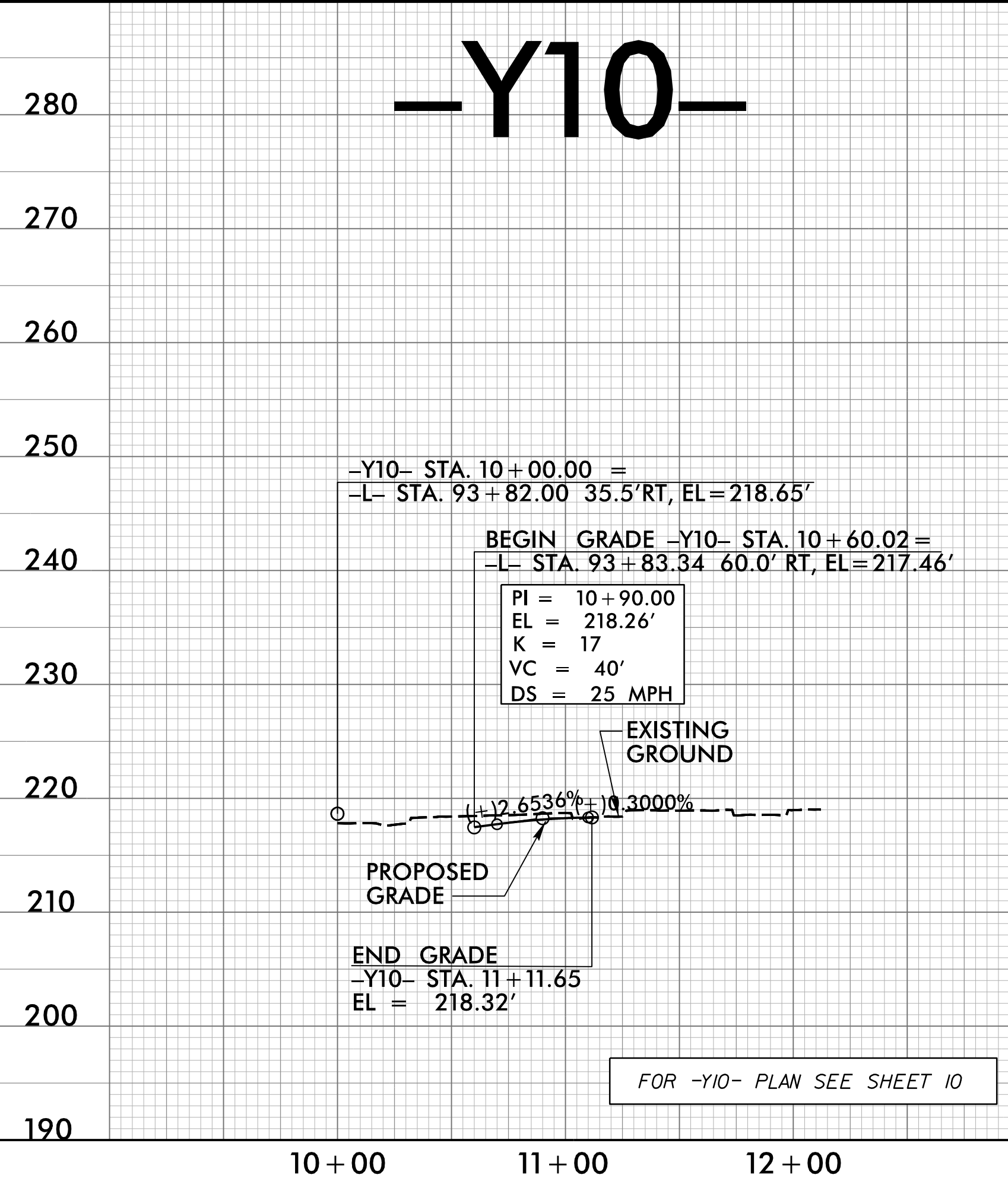


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 Morrisville, North Carolina 27560
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 NC LICENSE # C-25243

PROJECT REFERENCE NO. R-3825B	SHEET NO. 35
ROADWAY DESIGN ENGINEER Glenn Edes	HYDRAULICS ENGINEER Glenn Edes
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



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