

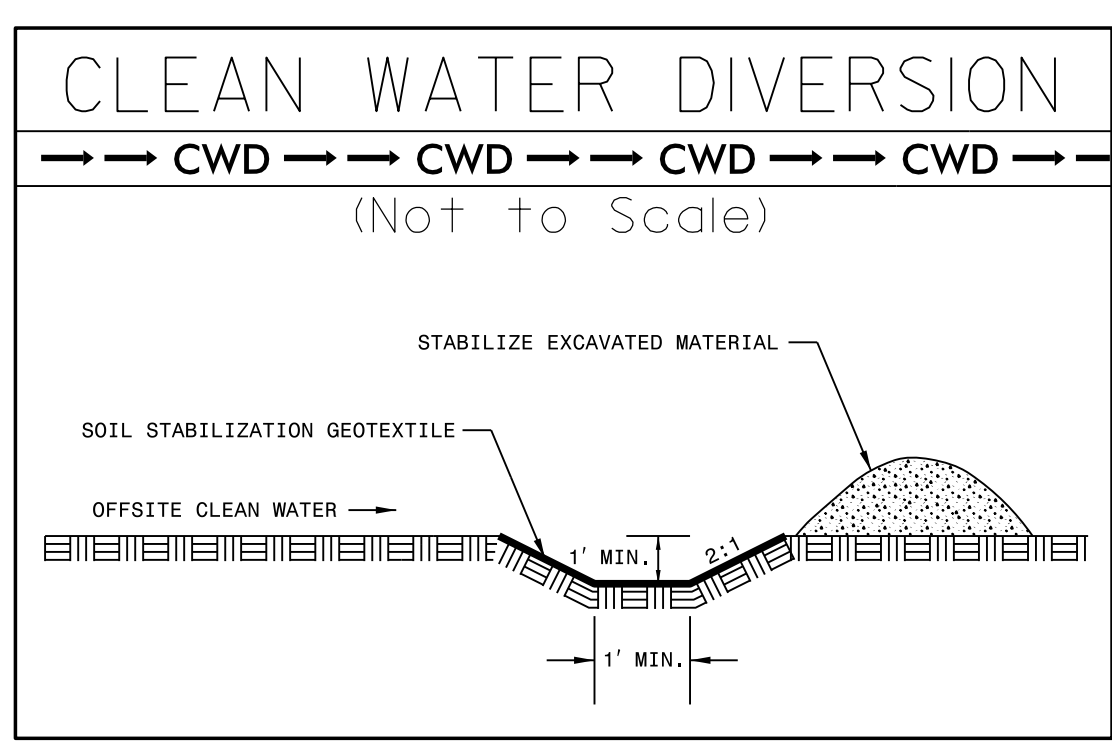
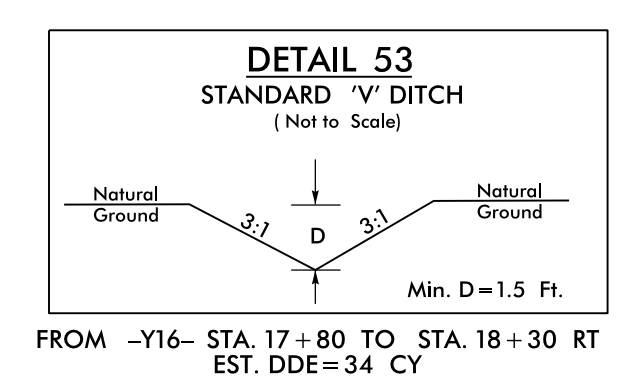
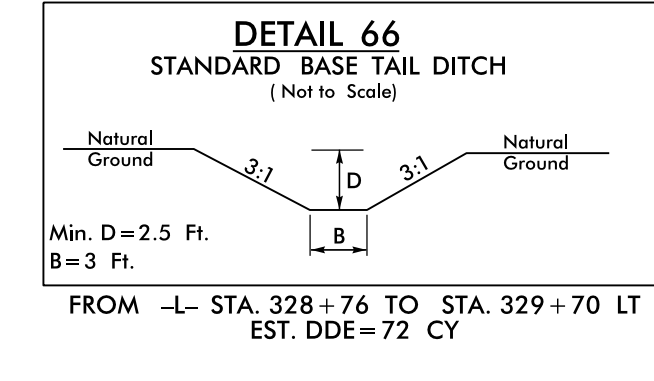
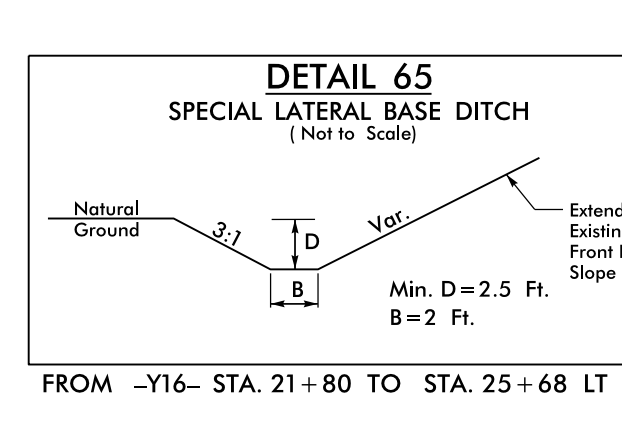
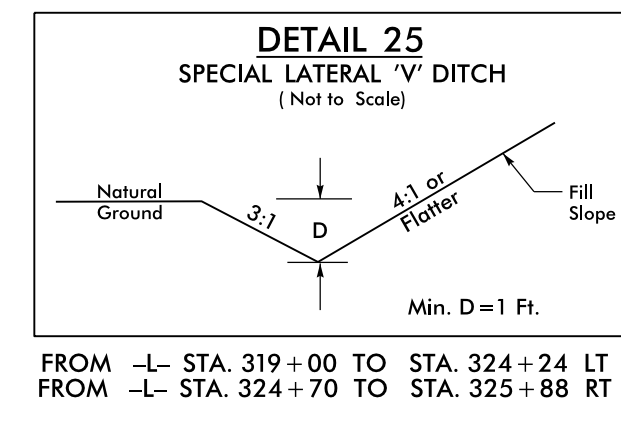
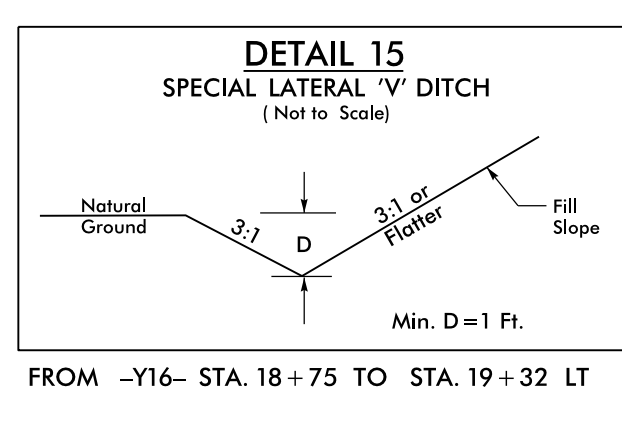
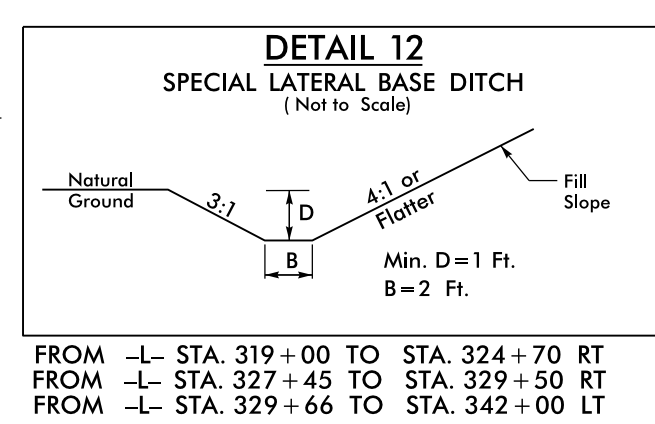
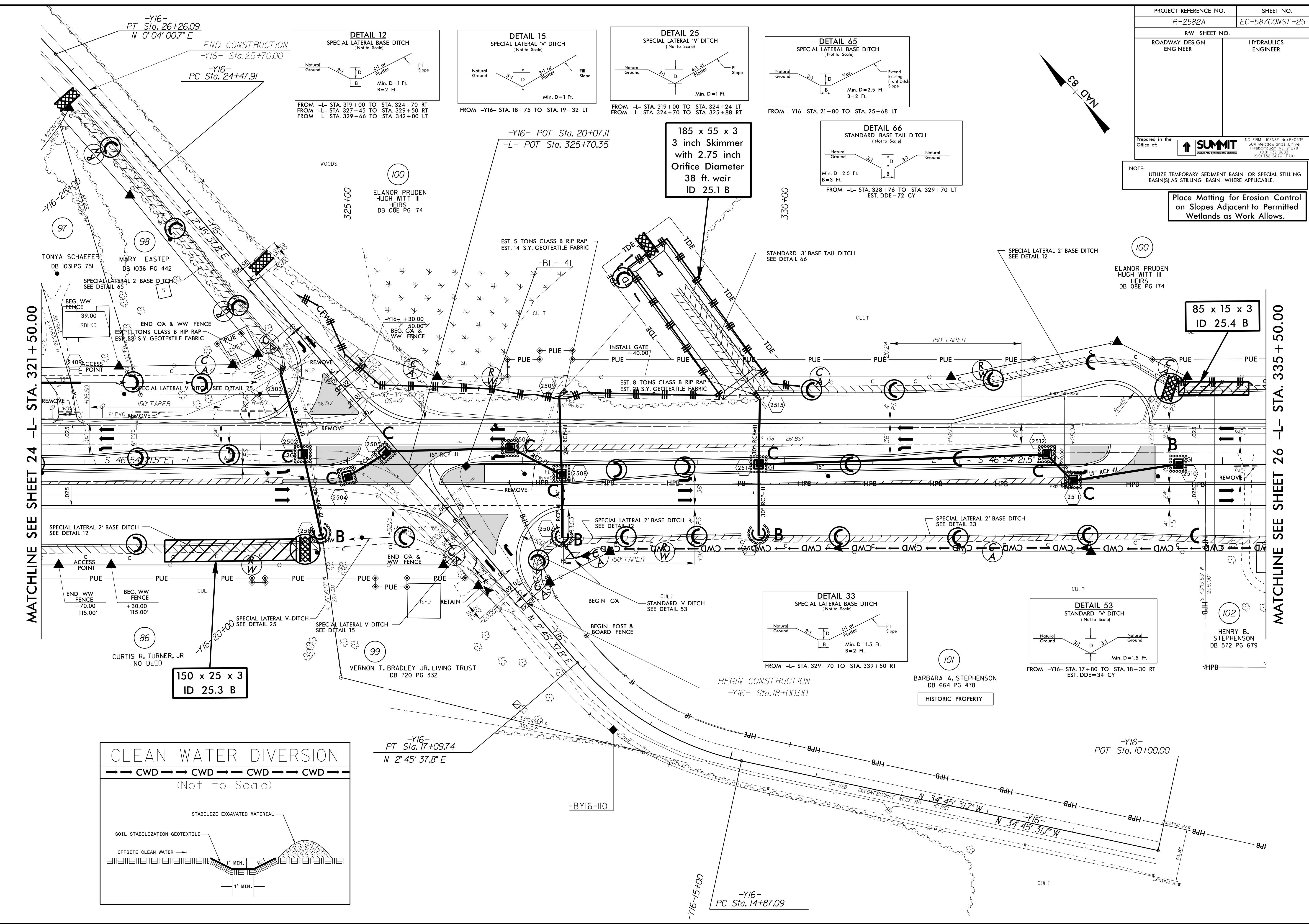
PROJECT REFERENCE NO. R-2582A	SHEET NO. EC-58/CONST-25
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

Prepared in the Office of:

SUMMIT DESIGN AND ENGINEERING SERVICES	NC FIRM LICENSE Nos P-0339 504 Meadowslands Drive Hillsborough, NC 27278 (919) 732-3883 (919) 732-6676 (Fax)
--	--

NOTE: UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.



185 x 55 x 3
3 inch Skimmer
with 2.75 inch
Orifice Diameter
38 ft. weir
ID 25.1 B

85 x 15 x 3
ID 25.4 B

150 x 25 x 3
ID 25.3 B


REVISIONS

8/17/99

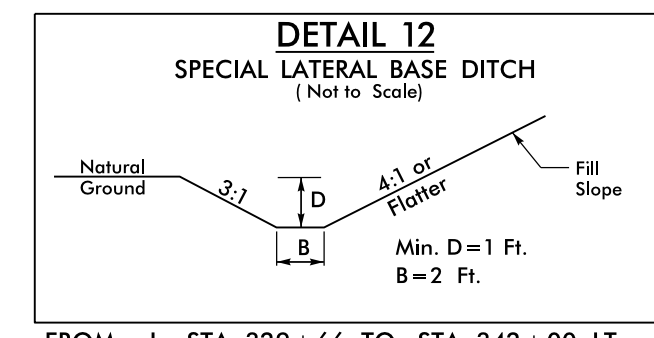
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8/17/99

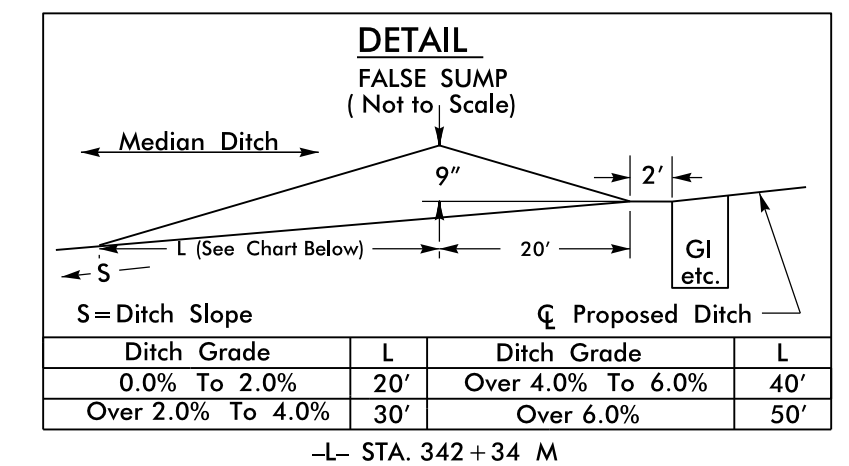
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PROJECT REFERENCE NO. R-2582A	SHEET NO. EC-59/CONST-26
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
Prepared in the Office of:	
	
<small>NC FIRM LICENSE Nos P-0339 504 Meadowslands Drive Hillsborough, NC 27578 (919) 732-3883 (919) 732-6676 (Fax)</small>	

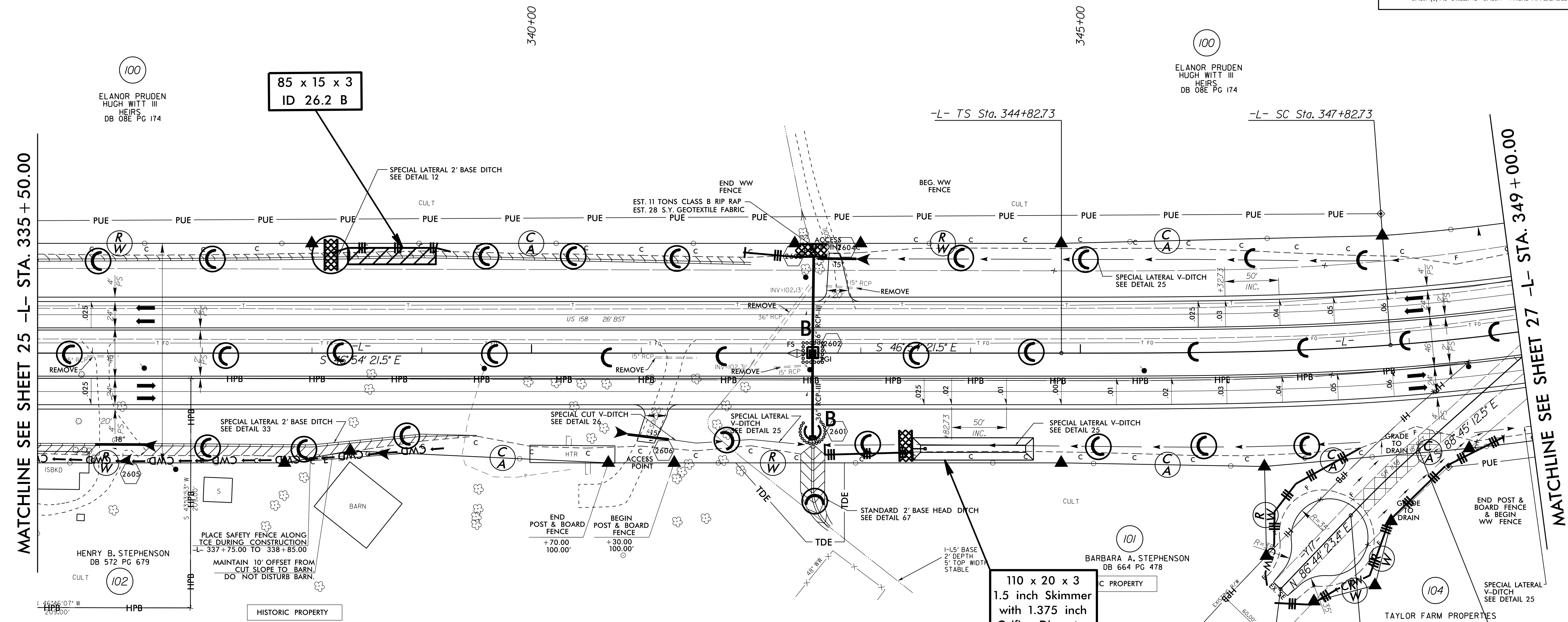
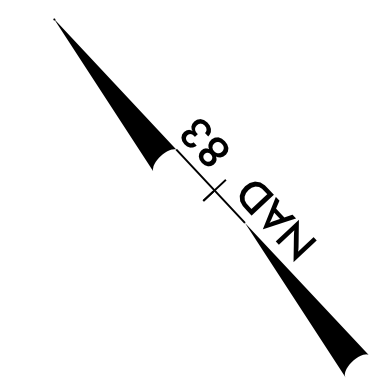
NOTE: UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.



FROM -L- STA. 329+66 TO STA. 342+00 LT



-L- STA. 342+34 M



100
ELANOR PRUDEN
HUGH WITT III
HEIRS
DB 08E PG 174

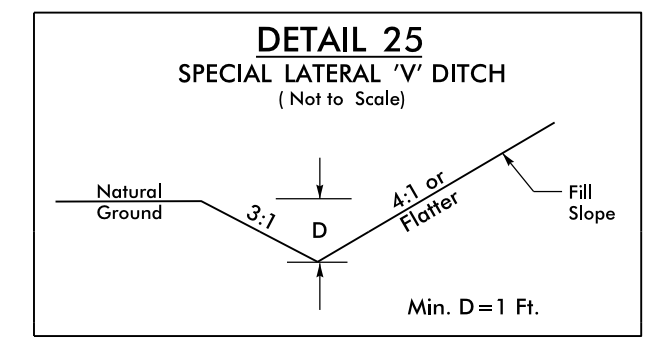
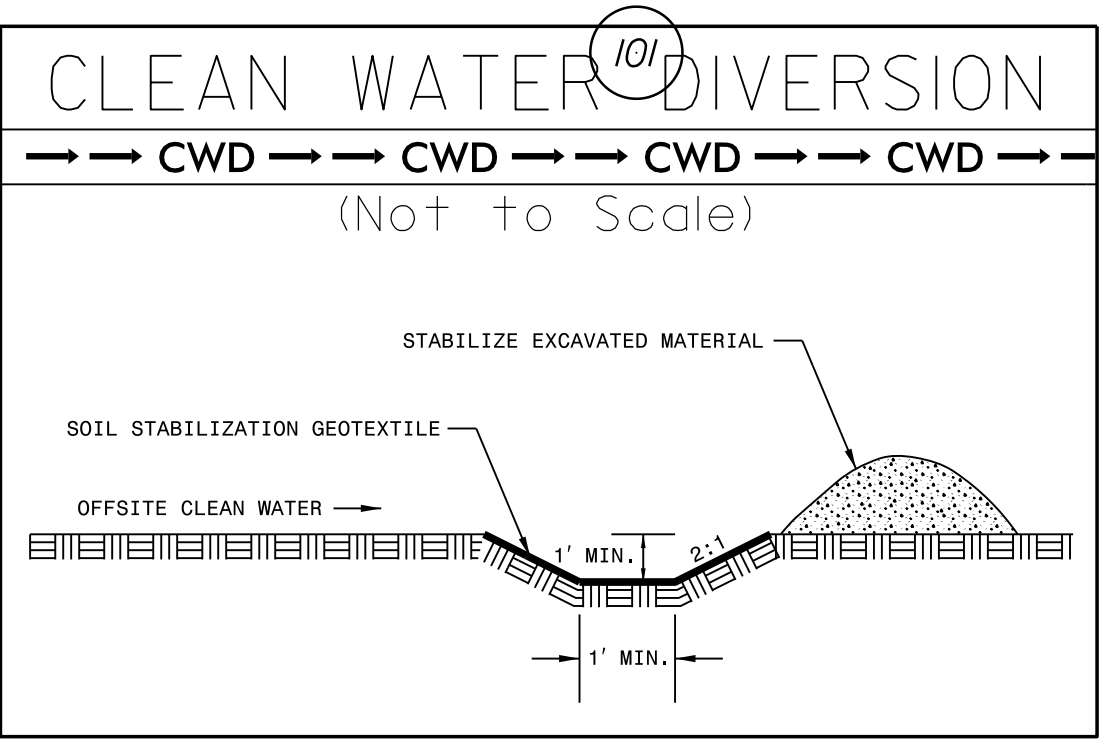
85 x 15 x 3
ID 26.2 B

100
ELANOR PRUDEN
HUGH WITT III
HEIRS
DB 08E PG 174

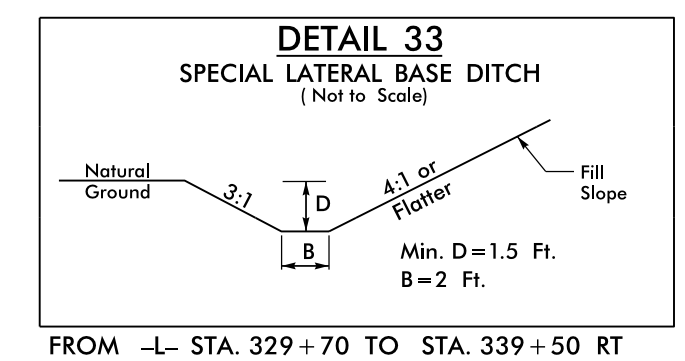
102
HENRY B. STEPHENSON
DB 572 PG 679

101
BARBARA A. STEPHENSON
DB 664 PG 478

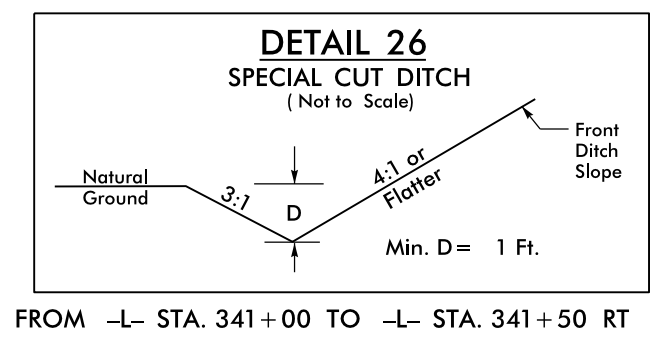
104
TAYLOR FARM PROPERTIES
DB 955 PG 272



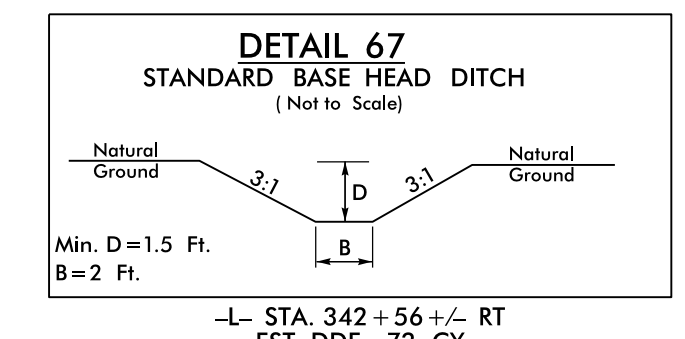
FROM -L- STA. 341+50 TO STA. 342+56 RT
FROM -L- STA. 342+55 TO STA. 348+00 LT
FROM -L- STA. 342+56 TO STA. 347+80 RT
FROM -L- STA. 348+50 TO STA. 352+60 RT



FROM -L- STA. 329+70 TO STA. 339+50 RT



FROM -L- STA. 341+00 TO -L- STA. 341+50 RT




-L- STA. 342+56+/- RT
EST. DDE=72 CY

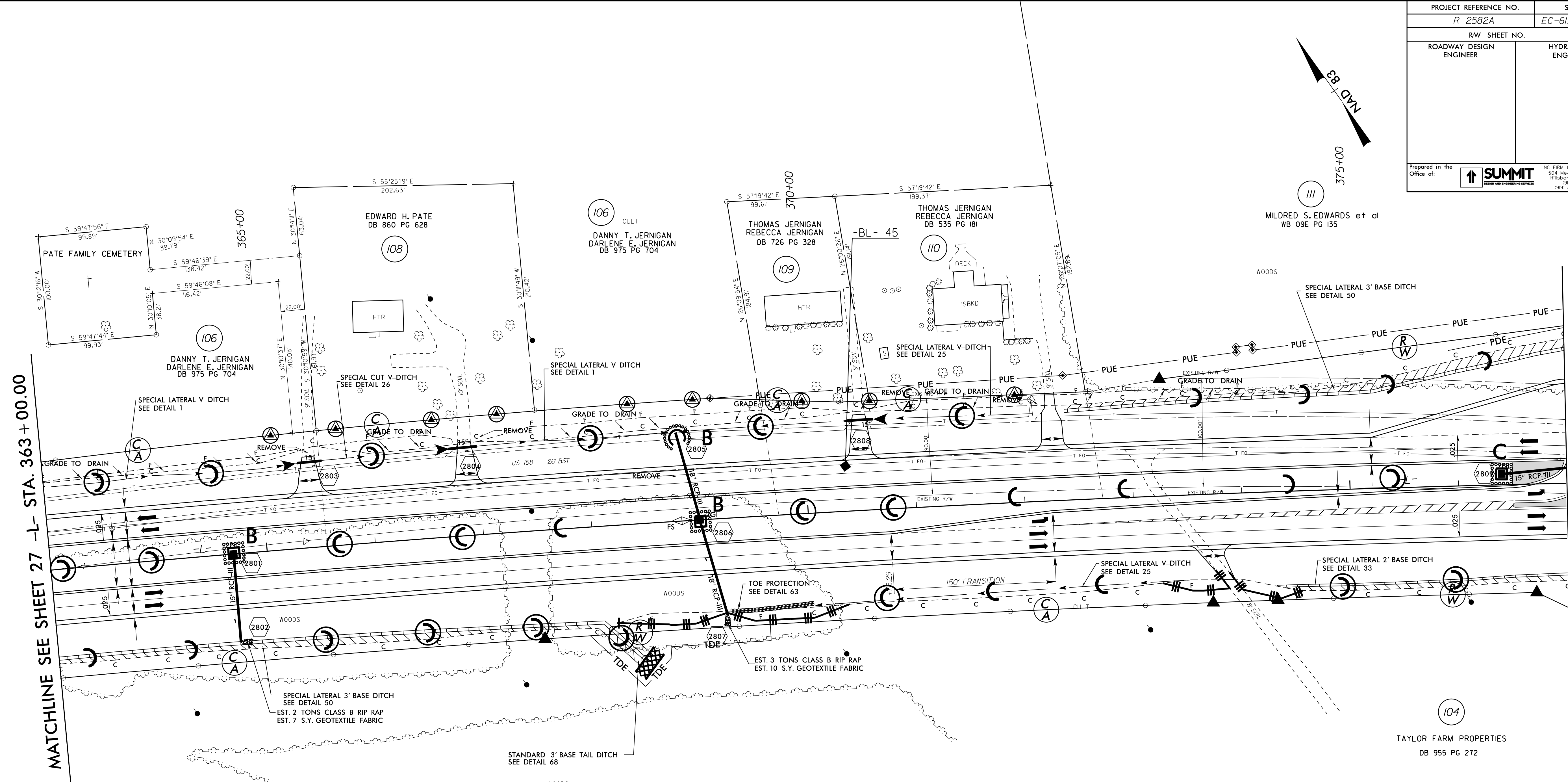
-Y17- POT Sta. 10+00.00
BEGIN CONSTRUCTION

-Y17- PC Sta. 10+92.79

-Y17- PT Sta. 11+78.92

8/17/99

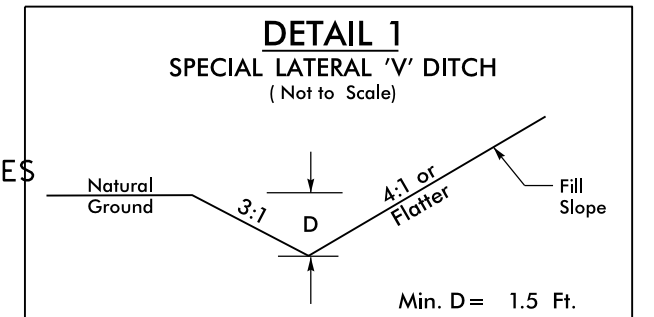
PROJECT REFERENCE NO. R-2582A	SHEET NO. EC-61/CONST-28
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
Prepared in the Office of:	
	
<small>NC FIRM LICENSE Nos P-0339 504 Meadowslands Drive Hillsborough, NC 27278 (919) 732-3883 (919) 732-6676 FAX</small>	



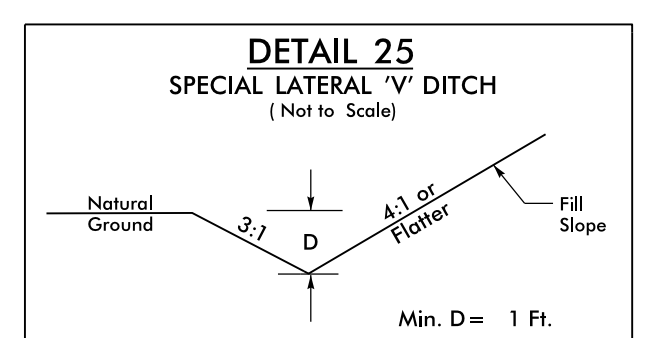
MATCHLINE SEE SHEET 27 -L- STA. 363 + 00.00

MATCHLINE SEE SHEET 29 -L- STA. 377 + 00.00

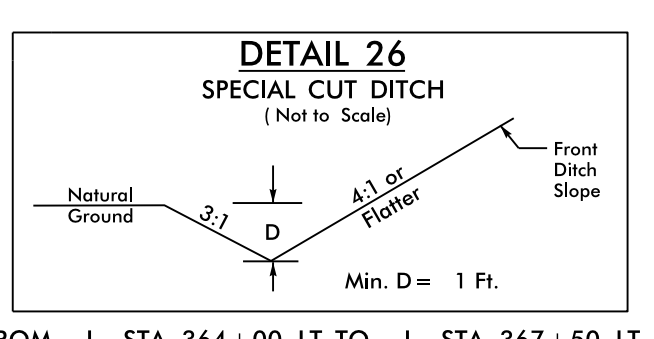
104
TAYLOR FARM PROPERTIES
DB 955 PG 272



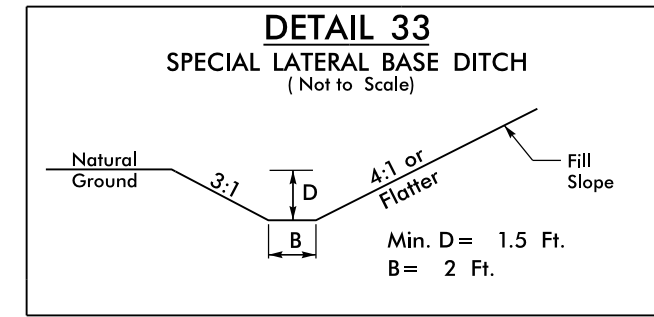
FROM -L- STA. 362+50 LT TO -L- STA. 364+00 LT
FROM -L- STA. 367+50 LT TO -L- STA. 368+83 LT



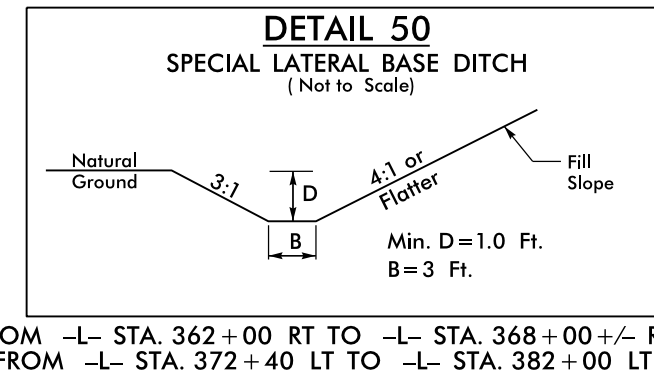
FROM -L- STA. 368+83 LT TO -L- STA. 372+10 LT
FROM -L- STA. 370+00 RT TO -L- STA. 373+50 RT



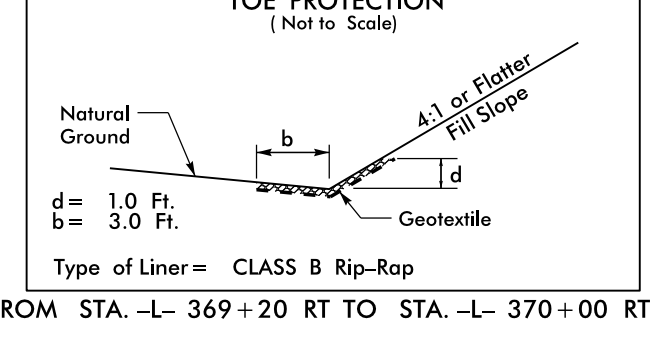
FROM -L- STA. 364+00 LT TO -L- STA. 367+50 LT



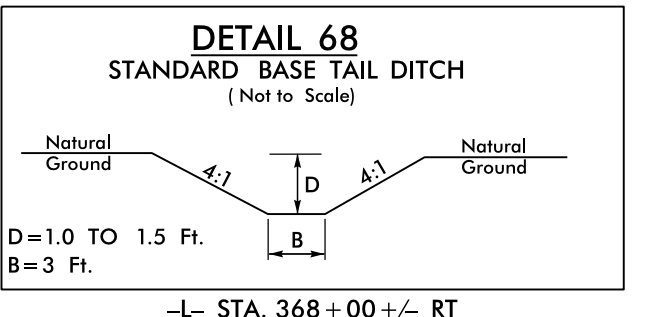
FROM -L- STA. 374+30 RT TO -L- STA. 380+00 RT



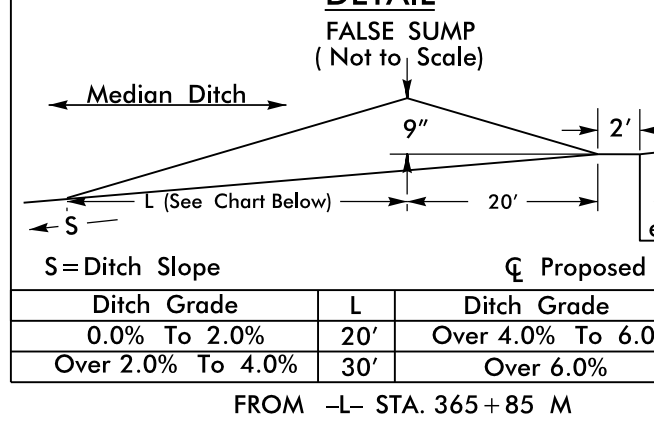
FROM -L- STA. 362+00 RT TO -L- STA. 368+00 +/- RT
FROM -L- STA. 372+40 LT TO -L- STA. 382+00 LT



FROM STA. -L- 369+20 RT TO STA. -L- 370+00 RT



-L- STA. 368+00 +/- RT
EST. DDE = 30 CY



R4-JAN-208_09.dgn

8/17/99

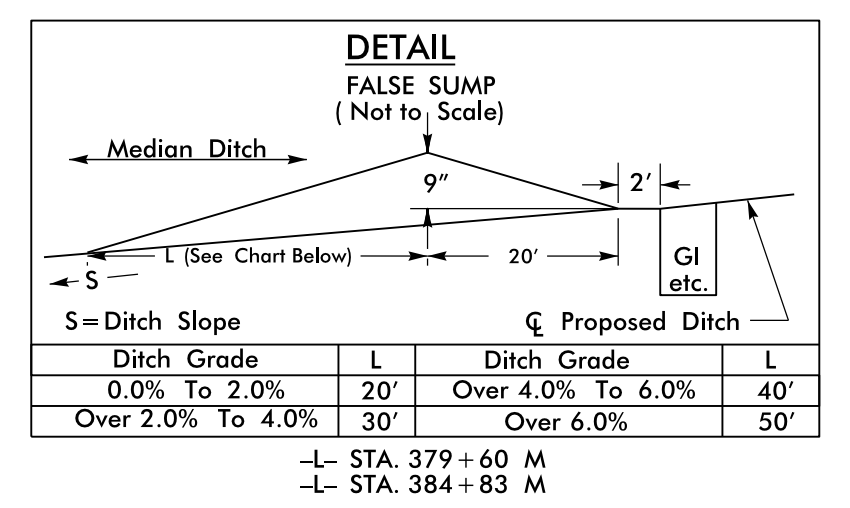
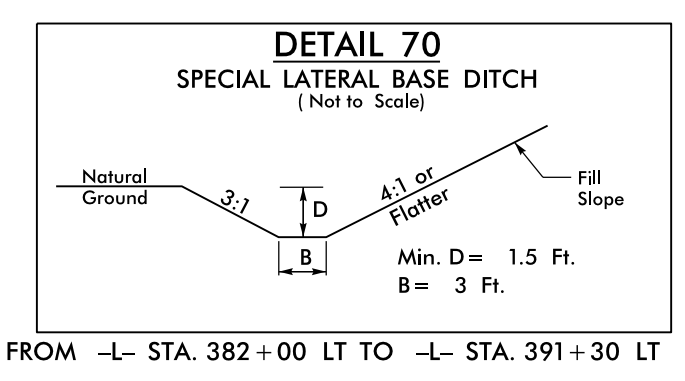
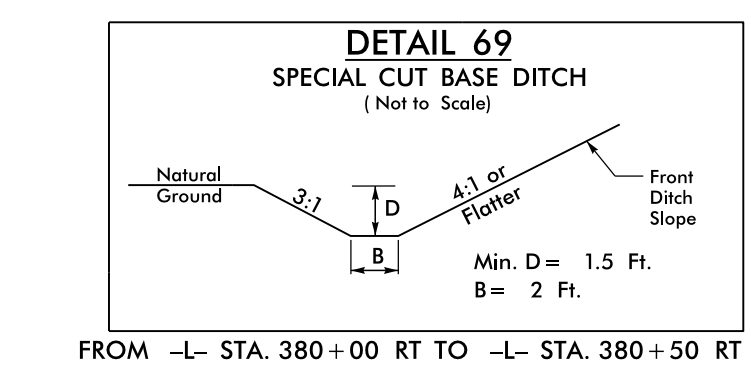
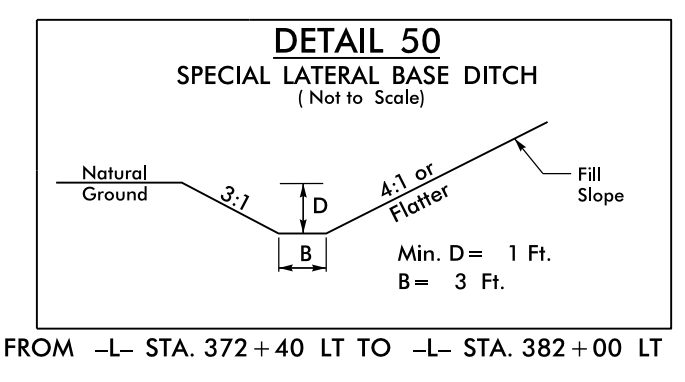
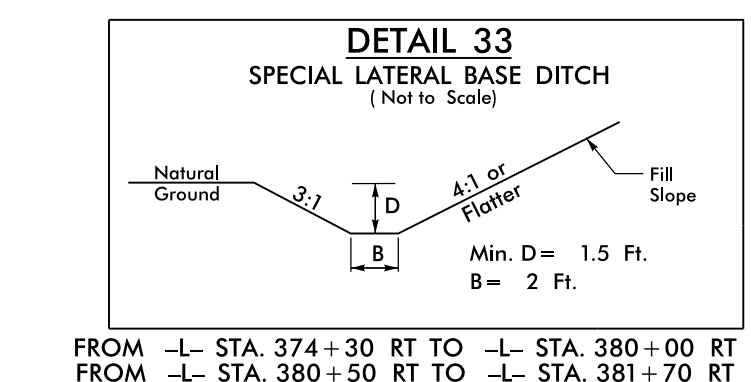
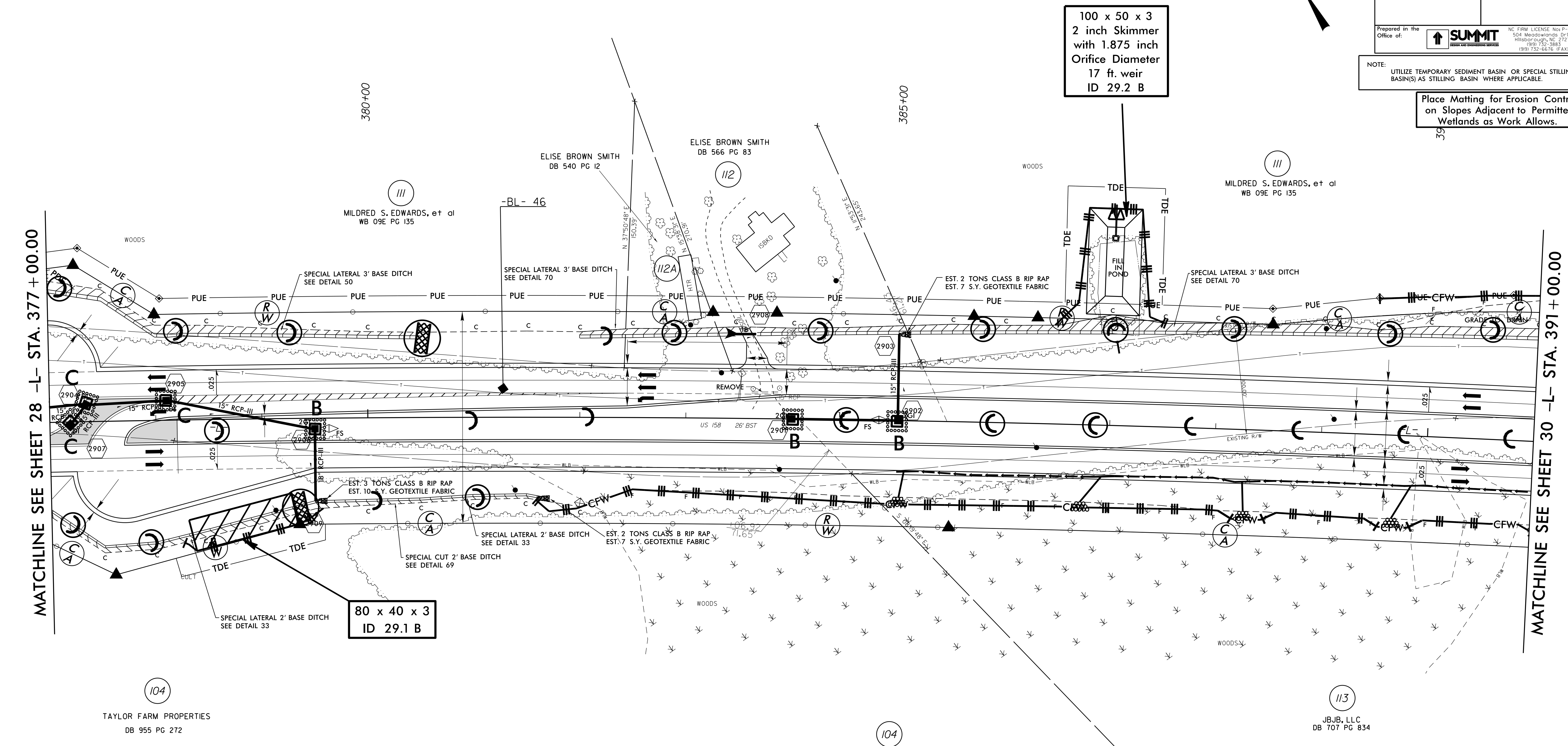
REVISIONS
R/W REV. 6/22/18 (RVP): REVISED PROPERTY OWNER NAME ON PARCEL 112 AND ADDED PARCEL 112A.

24-JAN-2018 13:52
R-25B2A-01-PLAN-62.dgn
JLD/MDP/PLS

PROJECT REFERENCE NO. R-25B2A	SHEET NO. EC-62/CONST-29
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
Prepared in the Office of: SUMMIT DESIGN AND ENGINEERING SERVICES	
NC FIRM LICENSE Nos P-0339 504 Meadowslands Drive Hillsborough, NC 27278 (919) 732-3883 (919) 732-6676 (Fax)	


NOTE: UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.

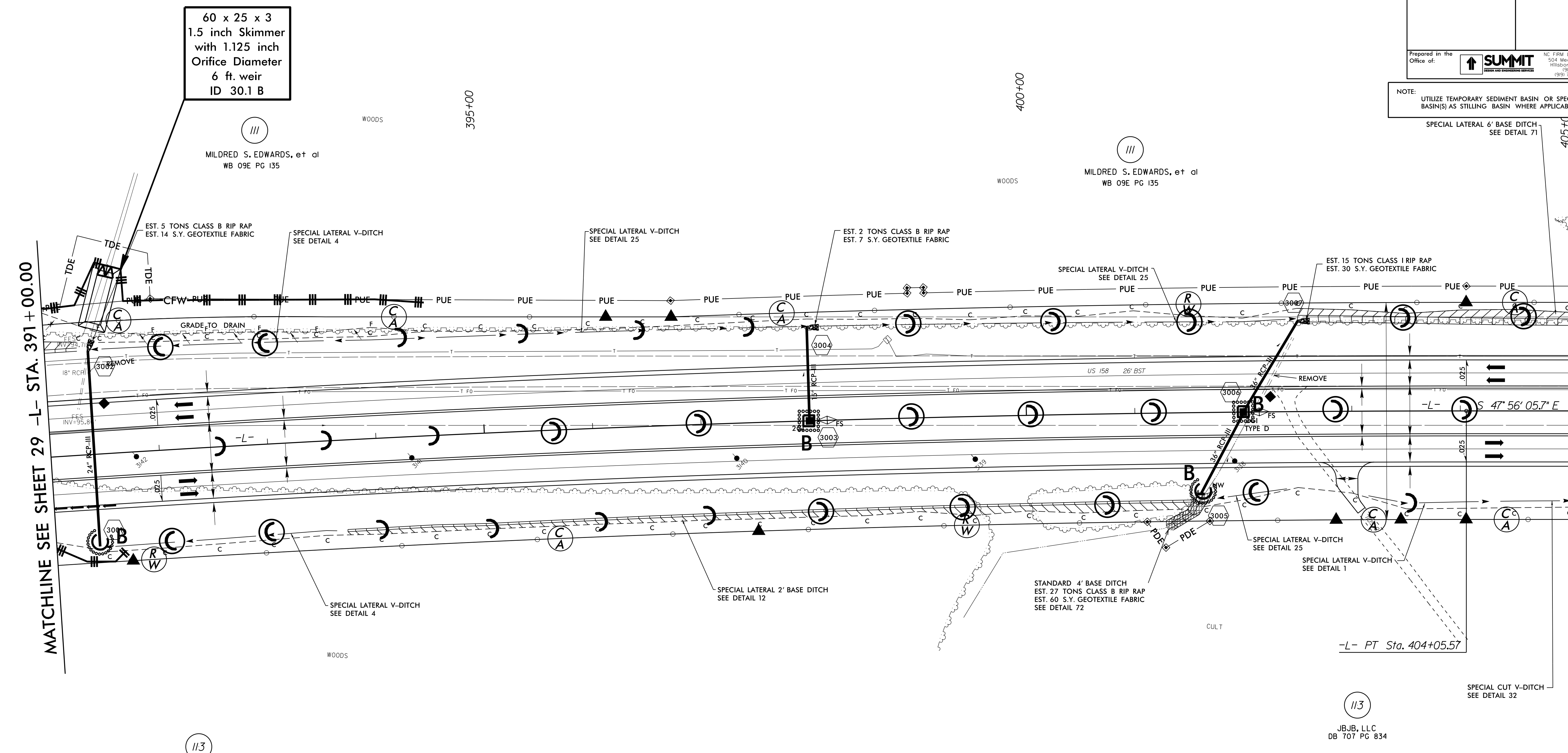


MATCHLINE SEE SHEET 30 -L- STA. 391+00.00

MATCHLINE SEE SHEET 28 -L- STA. 377+00.00

PROJECT REFERENCE NO. R-2582A	SHEET NO. EC-63/CONST-30
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
Prepared in the Office of:	
	
<small>NC FIRM LICENSE Nos P-0339 504 Meadowslands Drive Hillsborough, NC 27578 (919) 732-3883 (919) 732-6676 (Fax)</small>	

NOTE:
UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

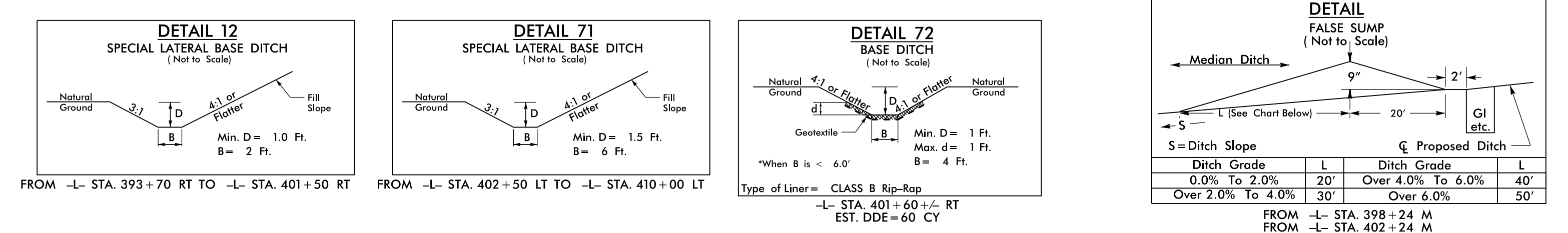
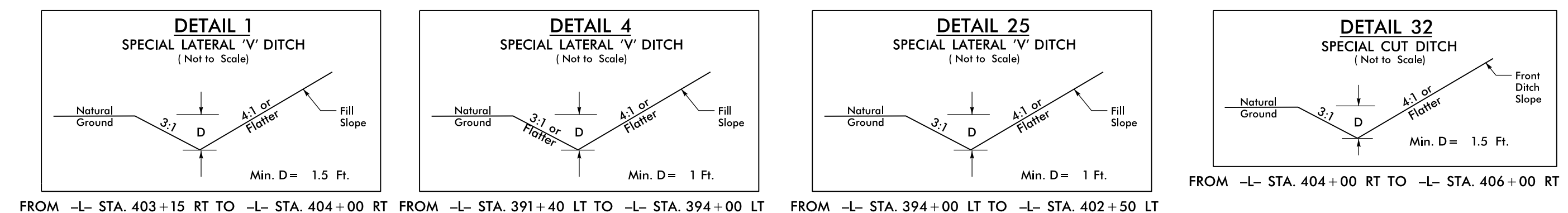


MATCHLINE SEE SHEET 29 -L- STA. 391 + 00.00

MATCHLINE SEE SHEET 31 -L- STA. 405 + 00.00

113
JBB, LLC
DB 707 PG 834

113
JBB, LLC
DB 707 PG 834

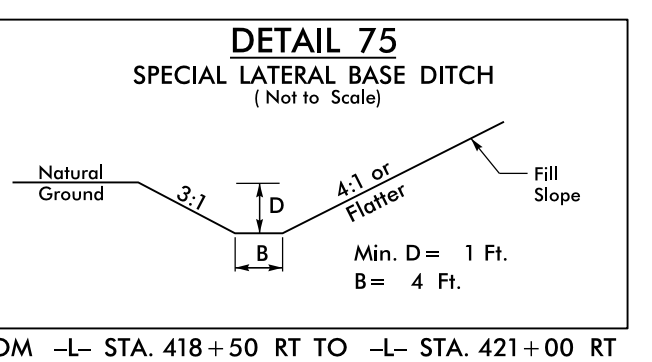
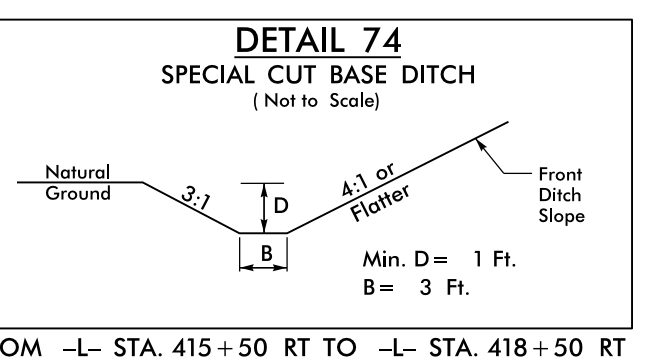
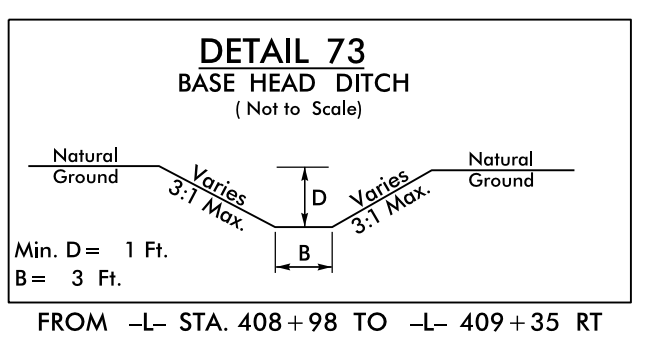
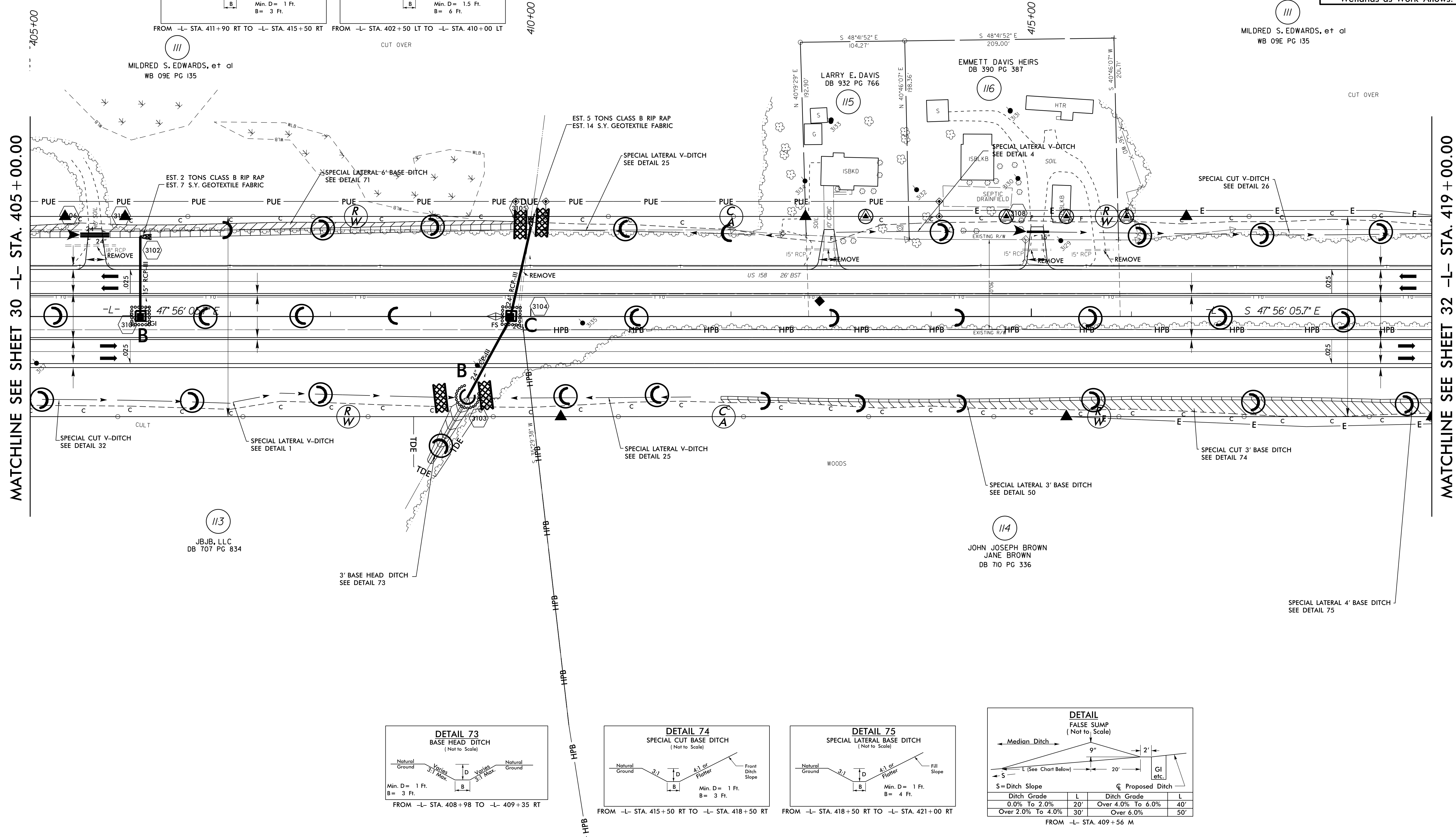
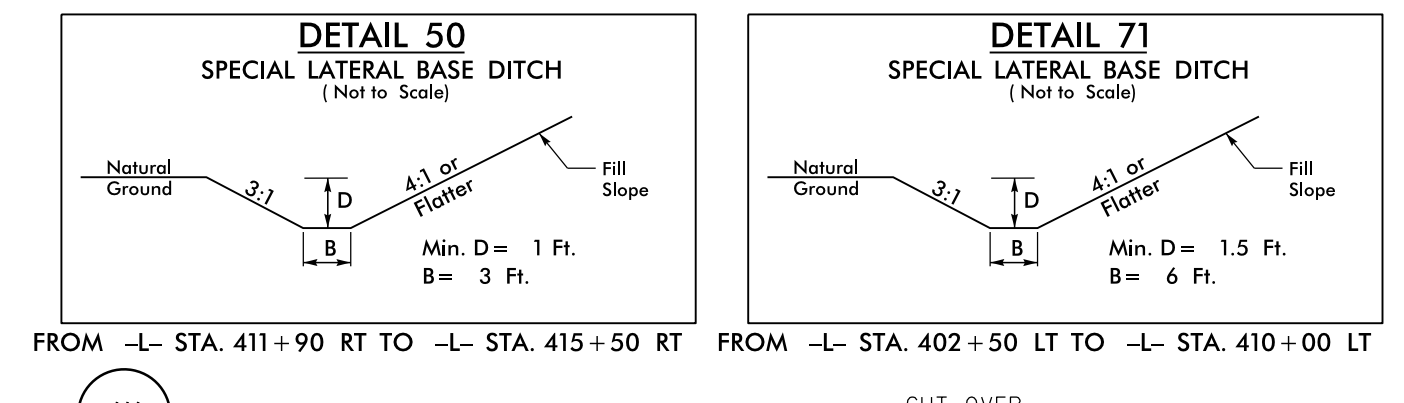
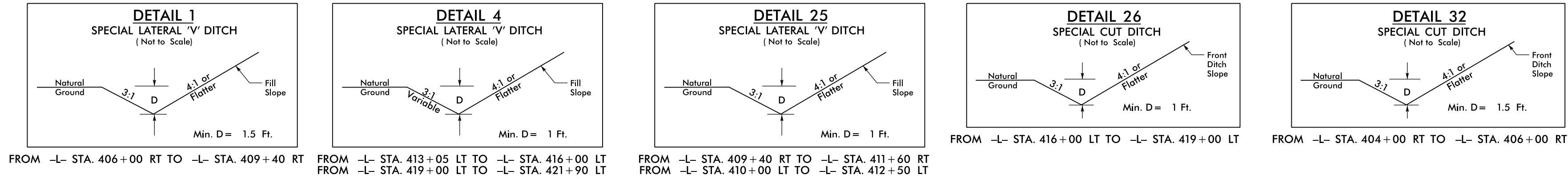


8/17/99

R4-JAN-208_09130...
JBB, LLC
DB 707 PG 834

PROJECT REFERENCE NO. <i>R-2582A</i>	SHEET NO. <i>EC-64/CONST-31</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
Prepared in the Office of:	
<small>NC FIRM LICENSE Nos P-0339 504 Meadowslands Drive Hillsborough, NC 27578 (919) 732-3883 (919) 732-6676 (FAX)</small>	

Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.

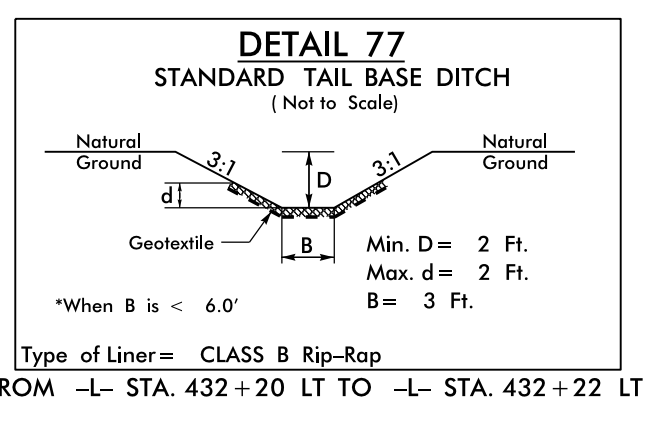
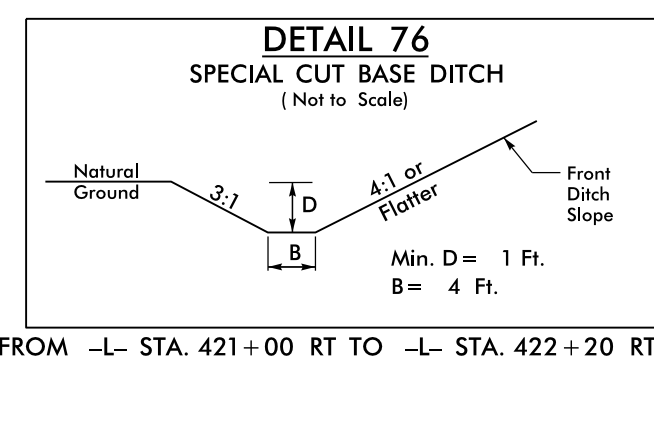
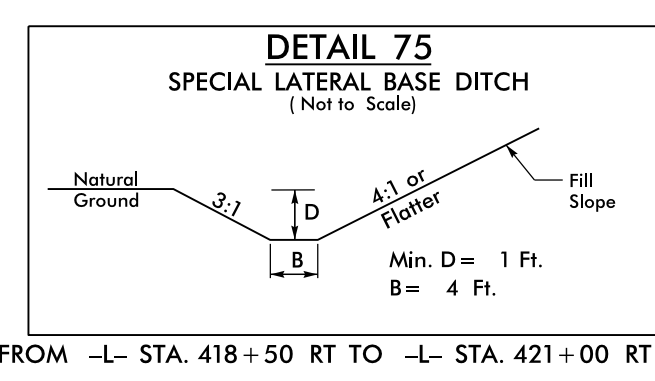
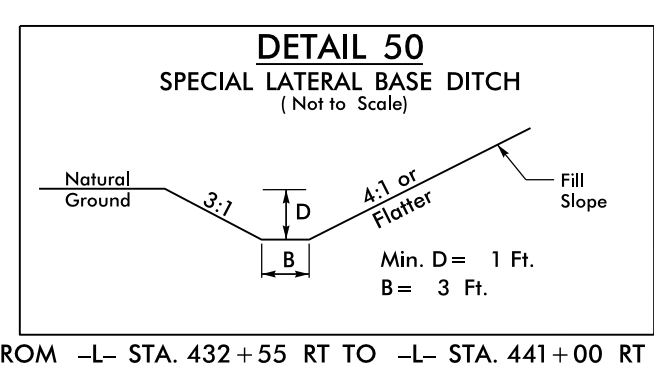
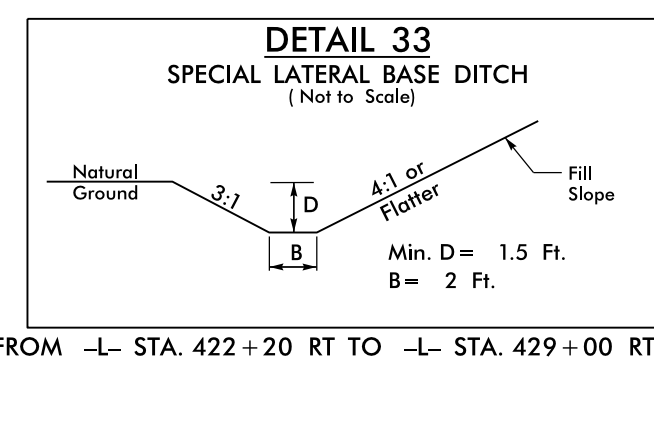
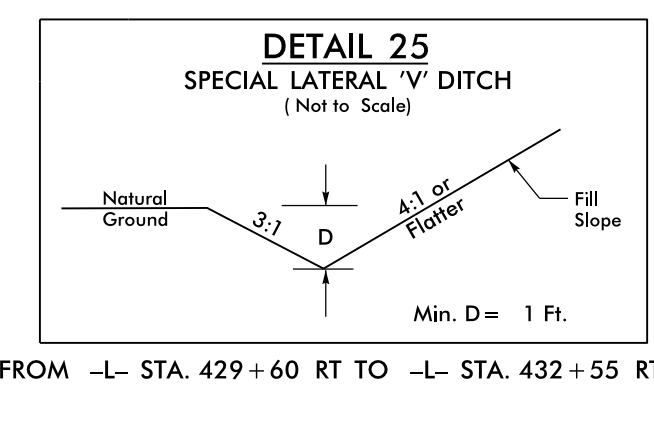
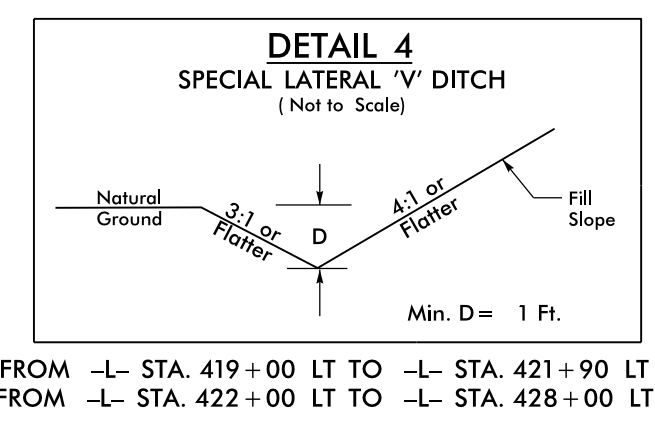
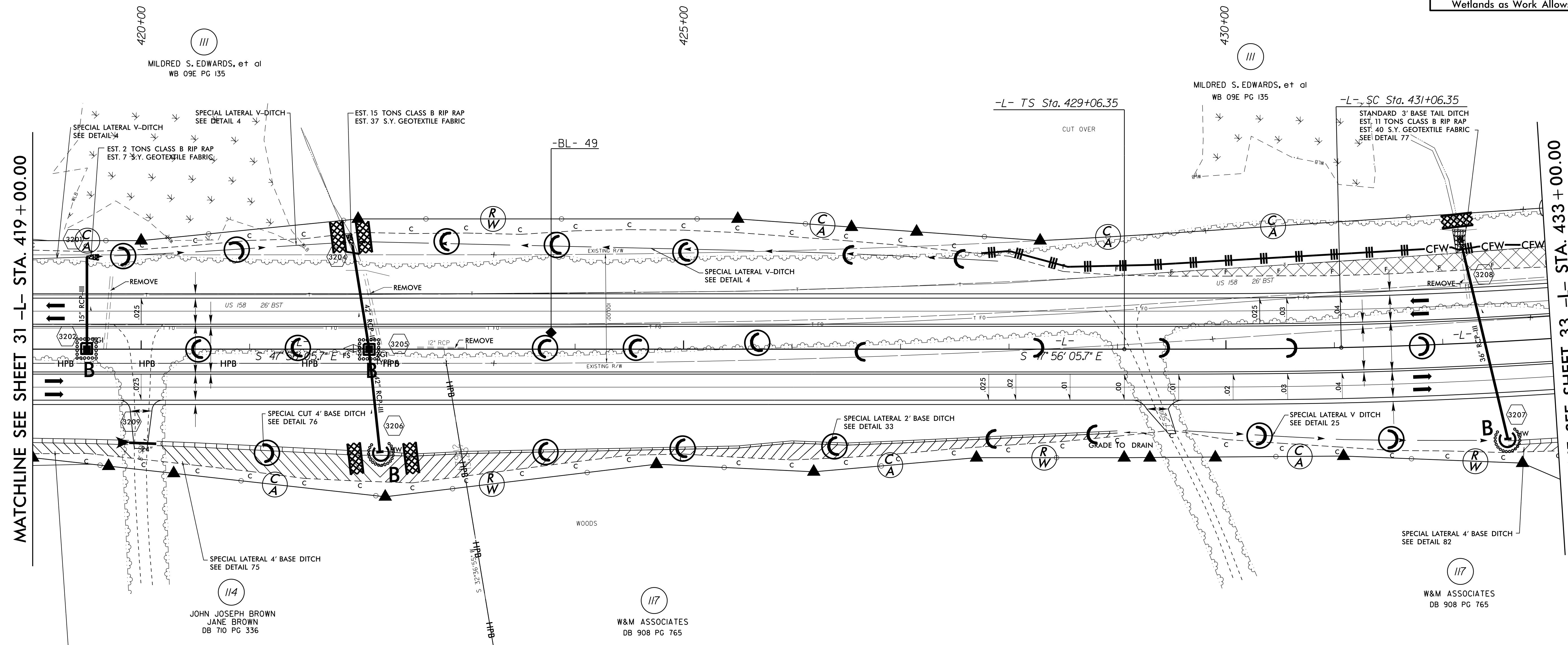


DETAIL 75 FALSE SUMP
(Not to Scale)

Ditch Grade	L	Ditch Grade	L
0.0% To 2.0%	20'	Over 4.0% To 6.0%	40'
Over 2.0% To 4.0%	30'	Over 6.0%	50'

FROM -L- STA. 409+56 M

Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.



DETAIL FALSE SUMP
(Not to Scale)

Ditch Grade	L	Ditch Grade	L
0.0% To 2.0%	20'	Over 4.0% To 6.0%	40'
Over 2.0% To 4.0%	30'	Over 6.0%	50'

-L- STA. 421+86 M

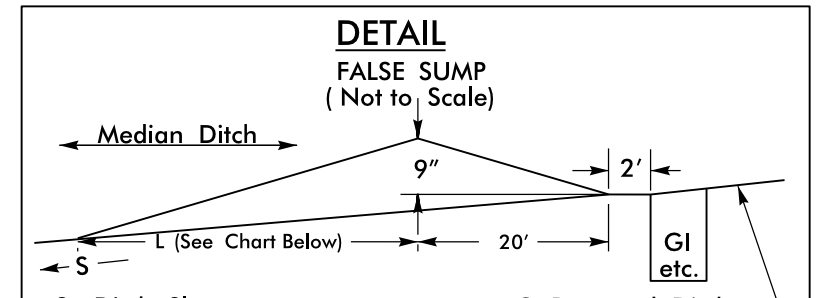
XXXX PAVEMENT REMOVAL

8/17/99

R4-JAN-208_09131_65.dgn
10/10/2015

NOTE:
UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

DETAIL FALSE SUMP (Not to Scale)



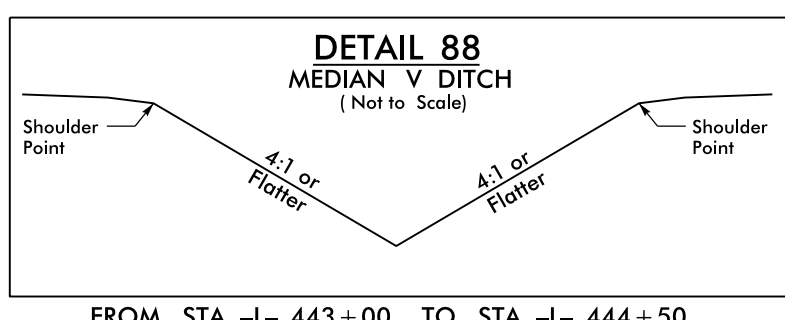
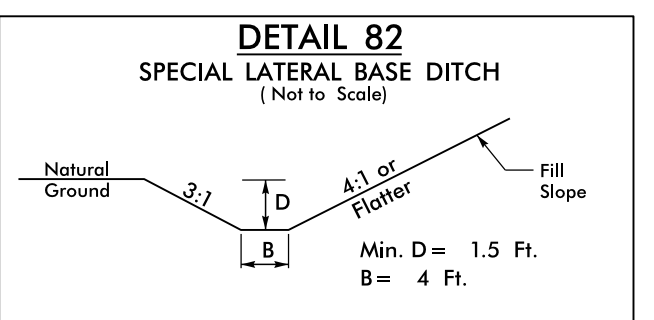
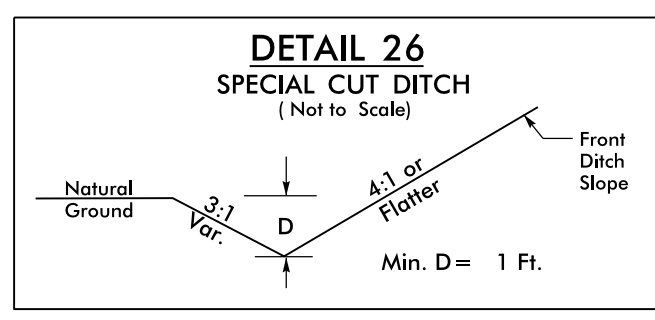
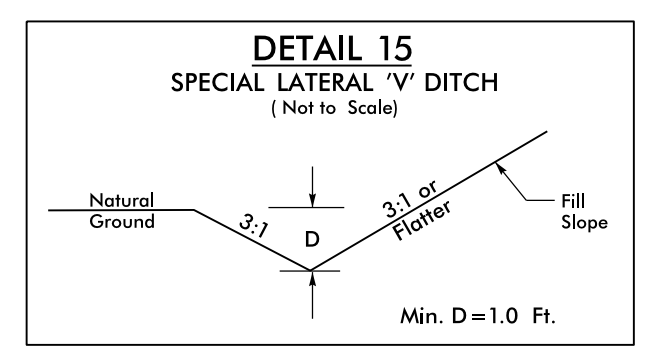
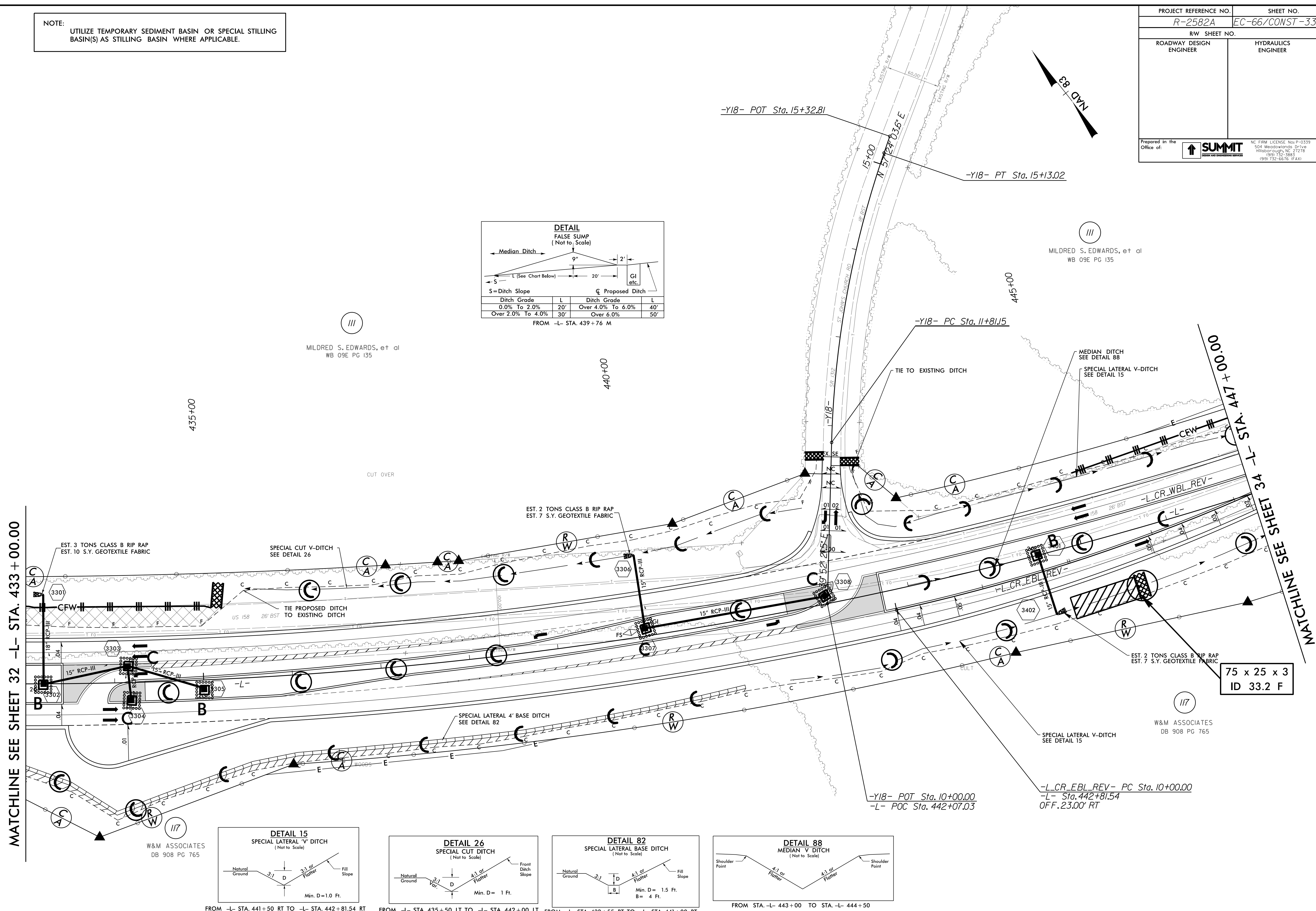
Ditch Grade	L	Ditch Grade	L
0.0% To 2.0%	20'	Over 4.0% To 6.0%	40'
Over 2.0% To 4.0%	30'	Over 6.0%	50'

FROM -L- STA. 439+76 M

REVISIONS
 EROSION CONTROL REVISIONS: EROSION CONTROL DESIGN WAS REVISED TO AVOID WETLAND AND SURFACE WATER IMPACTS ALONG -L-CR-WBL-REV- AND -L-CR-WBL-REV- AND TO ACCOMMODATE REVISED ROADWAY DESIGN

MATCHLINE SEE SHEET 32 -L- STA. 433+00.00

MATCHLINE SEE SHEET 34 -L- STA. 447+00.00



FROM -L- STA. 441+50 RT TO -L- STA. 442+81.54 RT
 FROM -L- STA. 442+81.49 LT TO -L- STA. 447+06.58 LT
 FROM -L- CR EBL REV- 10+00 RT TO -L- CR EBL REV- 16+21.44 RT
 FROM -Y18- 10+90 RT TO -Y18- 11+50 RT
 FROM -L- STA. 435+50 LT TO -L- STA. 442+00 LT
 FROM -L- STA. 432+55 RT TO -L- STA. 441+00 RT
 FROM STA. -L- 443+00 TO STA. -L- 444+50

8/17/99

03-AUG-2020 13:05
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 J:\m\j\

W&M ASSOCIATES
DB 908 PG 765

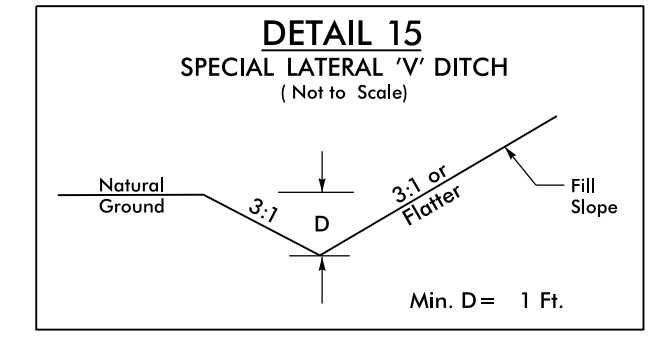
W&M ASSOCIATES
DB 908 PG 765

75 x 25 x 3
ID 33.2 F

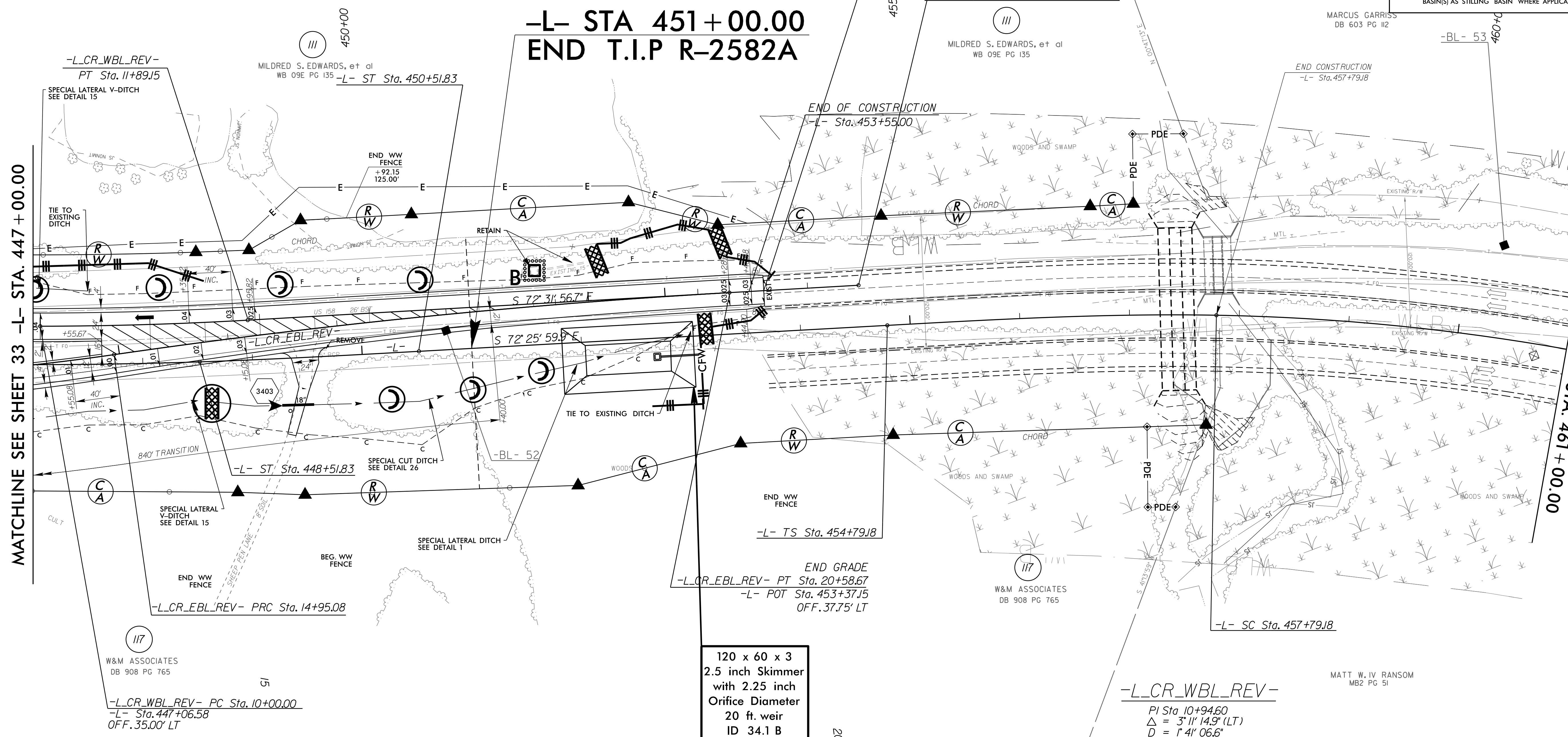
PROJECT REFERENCE NO. R-2582A	SHEET NO. EC-67/CONST-34
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

Prepared in the Office of: **SUMMIT** DESIGN AND ENGINEERING SERVICES

NOTE: UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.



FROM -L_CR_EBL_REV- 10+00 RT TO -L_CR_EBL_REV- 16+21.44 RT
FROM -L_CR_WBL_REV- 10+00 LT TO -L_CR_WBL_REV- 10+43.09 LT



MATCHLINE SEE SHEET 33 -L- STA. 447 + 00.00

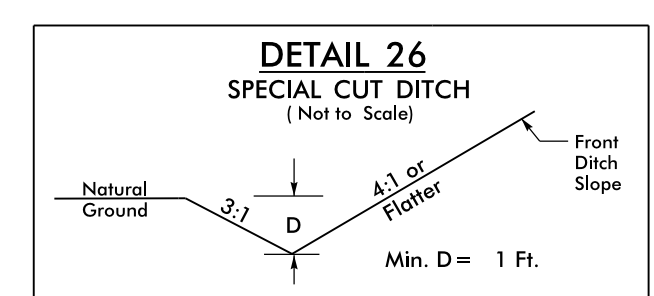
MATCHLINE SEE SHEET 35 -L- STA. 461 + 00.00

120 x 60 x 3
2.5 inch Skimmer
with 2.25 inch
Orifice Diameter
20 ft. weir
ID 34.1 B

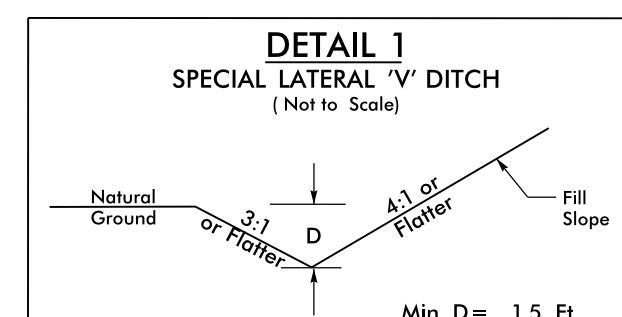
-L- CR_WBL_REV -
 PI Sta 10+94.60
 $\Delta = 3' 11'' 14.9''$ (LT)
 D = 1' 41'' 06.6"
 L = 189.15'
 T = 94.60'
 R = 3,400.00'
 SE = .04
 Vd = 60

-L- CR_EBL_REV -
 PI Sta 12+48.69
 $\Delta = 13' 30'' 27.5''$ (LT)
 D = 2' 43'' 42.1"
 L = 495.08'
 T = 248.69'
 R = 2,100.00'
 SE = .05
 Vd = 60

PI Sta 17+77.05
 $\Delta = 4' 58'' 04.5''$ (RT)
 D = 0' 52'' 53.3"
 L = 563.59'
 T = 281.97'
 R = 6,500.00'
 SE = .03
 Vd = 60



FROM -L_CR_EBL_REV- STA. 16+21.44 RT TO -L_CR_EBL_REV- STA. 17+71.42 RT



FROM TO -L_CR_EBL_REV- STA. 17+71.42 RT TO -L_CR_EBL_REV- STA. 20+20.52 RT

REVISIONS
 EROSION CONTROL REVISIONS: EROSION CONTROL BASIN 34J HAS BEEN MOVED FROM STA. 457+46 TO STA. 453+00 AND ROADWAY EC HAS BEEN UPDATED TO ACCOMMODATE ROADWAY REVISIONS TO AVOID WETLAND AND SURFACE WATER IMPACTS ALONG -L- CR_EBL_REV- AND -L- CR_WBL_REV-

8/17/99


03-AUG-2020 13:08:07.dgn
 03-25-2020 13:08:07.dgn
 03-25-2020 13:08:07.dgn

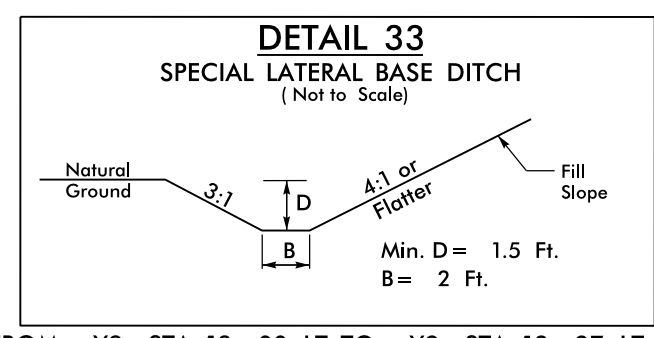
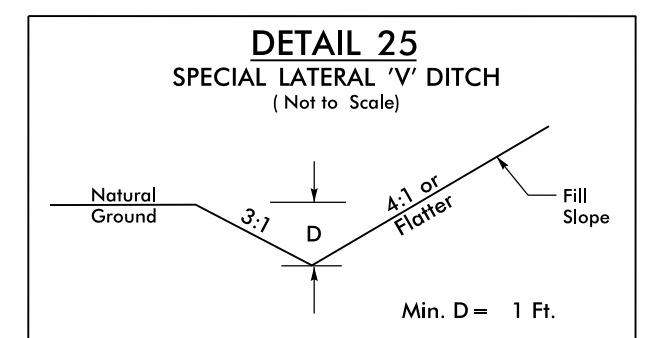
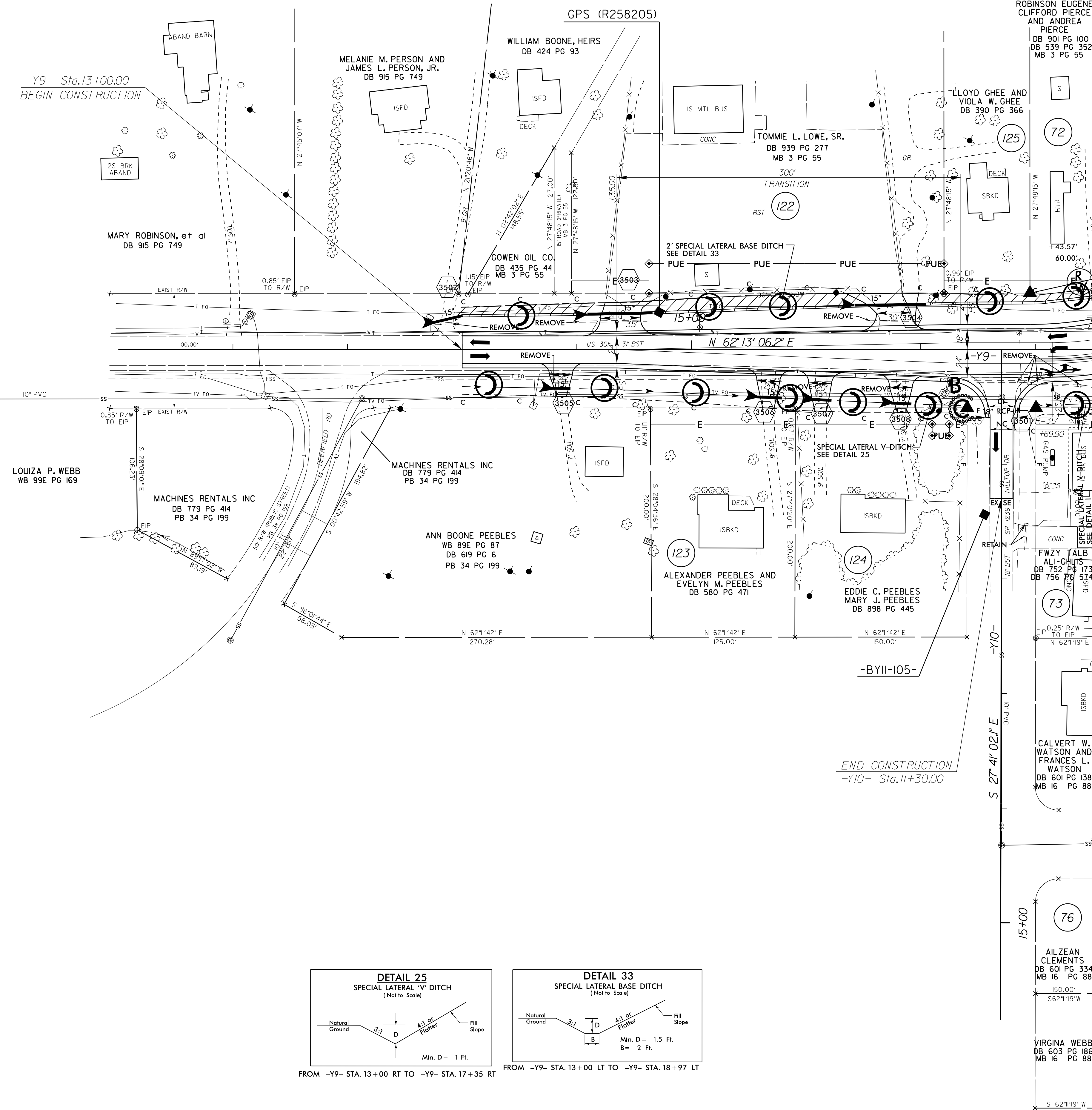
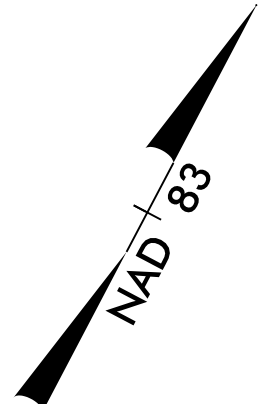
MATT W. IV RANSOM
MB2 PG 51

W&M ASSOCIATES
DB 908 PG 765

MILDRED S. EDWARDS, et al
WB 09E PG 135


MARCUS GARRISS
DB 603 PG 112

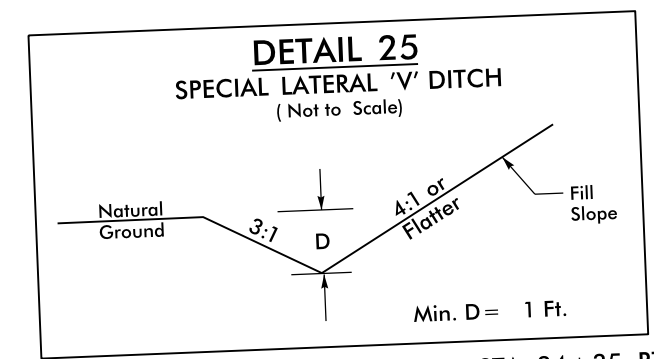
PROJECT REFERENCE NO. <i>R-2582A</i>	SHEET NO. <i>EC-68/CONST-35</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
MINNIE ANNE SMITH AND JOSEPH SMITH, SR. DOLLY PIERCE ROBINSON EUGENE CLIFFORD PIERCE AND ANDREA PIERCE DB 901 PG 100 DB 539 PG 352 MB 3 PG 55	
Prepared in the Office of:	 NC FIRM LICENSE Nos P-0339 504 Meadowslands Drive Hillsborough, NC 27278 (919) 732-3883 (919) 732-6676 (FAX)



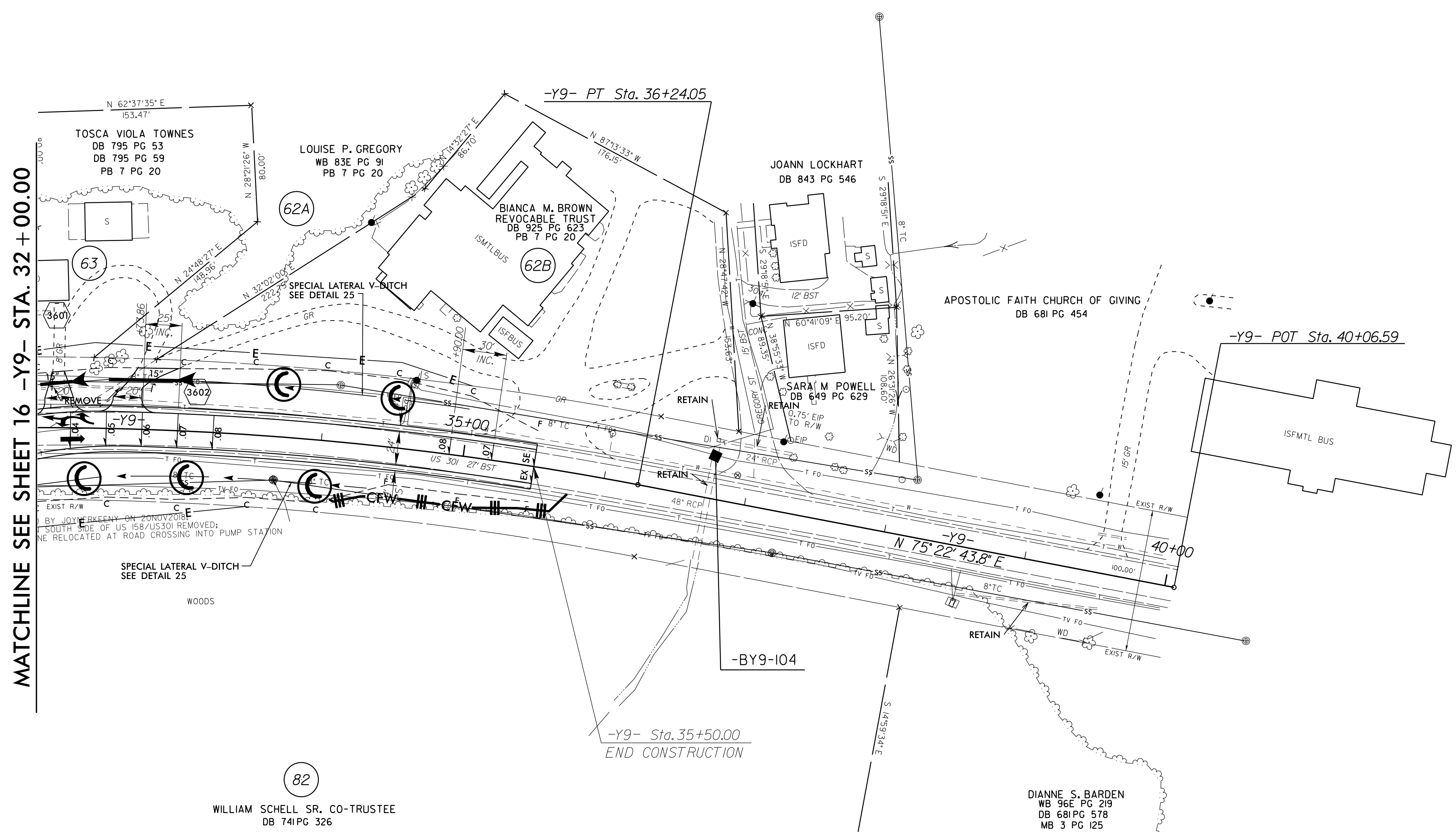
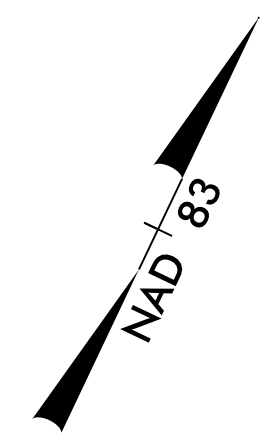
8/17/99

R4-JAN-2008 09:52
R-2582A-EC-68.dgn
LOUWIS

PROJECT REFERENCE NO. <i>R-2582A</i>	SHEET NO. <i>EC-69/CONST-36</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
Prepared in the Office of:	
	
<small>NC FIRM LICENSE Nos P-0339 504 Meadowslands Drive Hillsborough, NC 27278 (919) 732-3883 (919) 732-6676 FAX</small>	



FROM -Y9- STA. 31+05 RT TO -Y9- STA. 34+35 RT
FROM -Y9- STA. 31+44 LT TO -Y9- STA. 35+00 LT



MATCHLINE SEE SHEET 16 -Y9- STA. 32+00.00

8/17/99

24-JAN-2009 09:32
R:\2582A\EC-69.dgn
J:\JLD\2582A