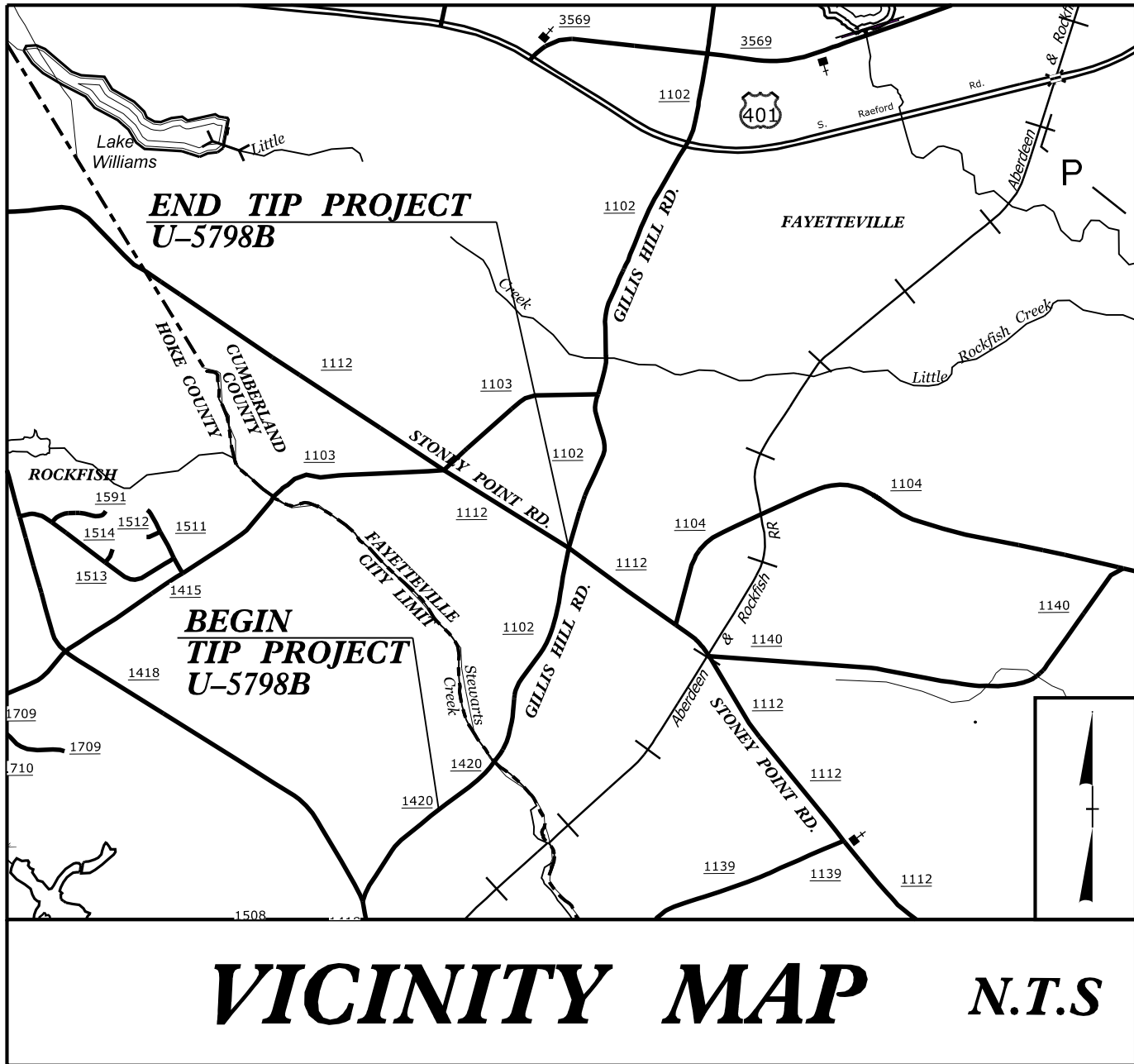


TIP PROJECT: U-5798B

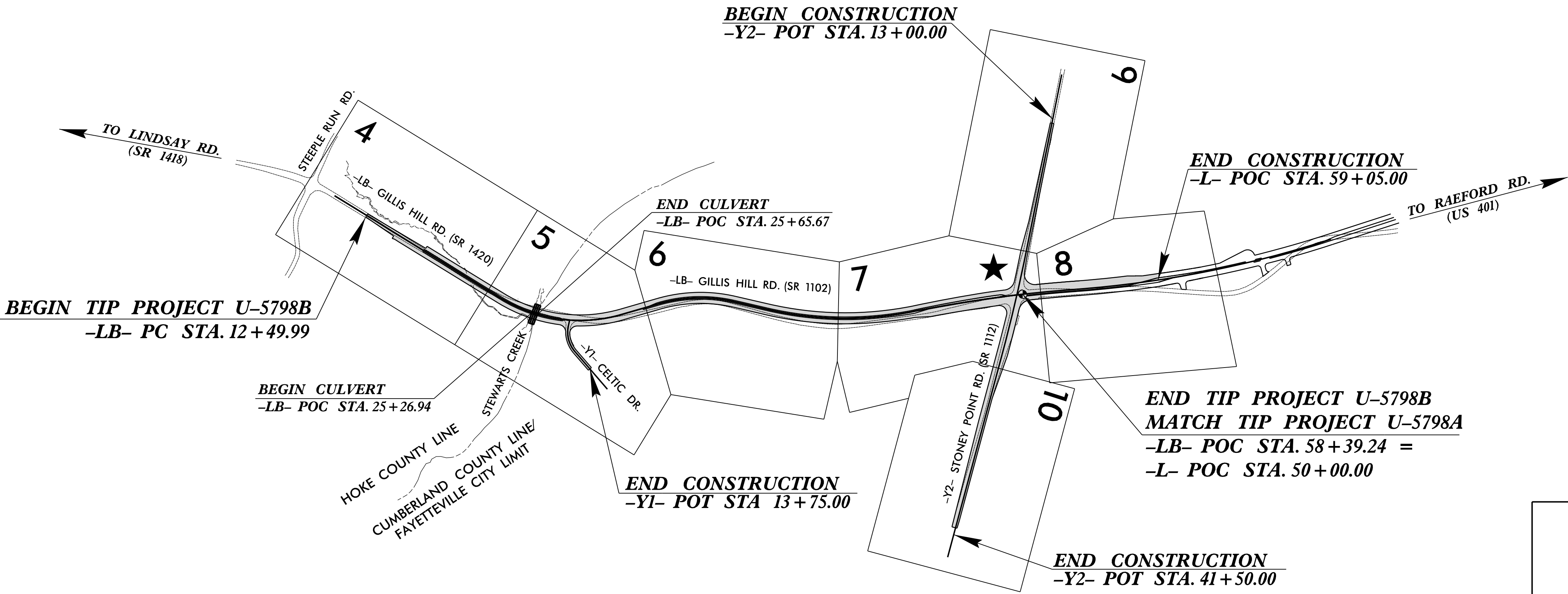
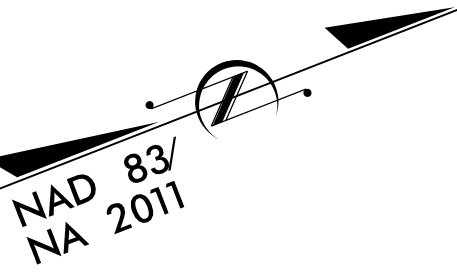
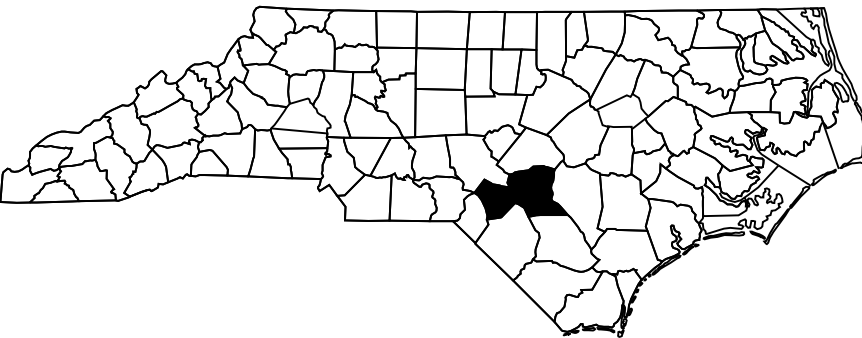
CONTRACT: C205076



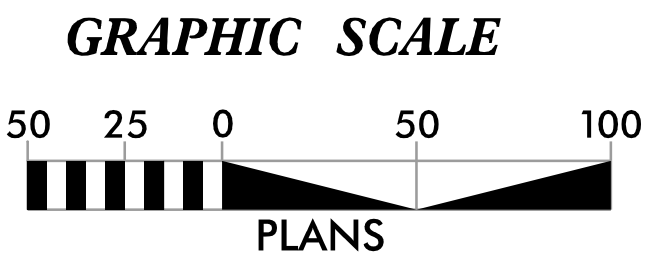
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL
**HOKE AND CUMBERLAND
COUNTIES**

LOCATION: SR 1102 (GILLIS HILL ROAD) FROM SR 1418 (LINDSAY ROAD)
TO NORTH OF SR 1112 (STONEY POINT ROAD). WIDEN TO MULTI-LANES.
TYPE OF WORK: PAVING, GRADING, DRAINAGE, CULVERT, WALLS, AND SIGNALS.

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5798B	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
	N/A	PE	



THIS PROJECT CONTAINS
EROSION CONTROL PLANS
FOR CLEARING AND
GRUBBING PHASE OF
CONSTRUCTION.



THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH
THE APPLICABLE REGULATIONS SET FORTH BY THE NCG-010000
GENERAL CONSTRUCTION PERMIT ISSUED BY THE NORTH
CAROLINA DEPARTMENT OF
ENVIRONMENTAL QUALITY DIVISION OF ENERGY, MINERAL, AND
LAND RESOURCES.

RS&H

Prepared in the Office of:
RS&H
8521 SIX FORKS ROAD, SUITE 400
RALEIGH, NC 27615
NC FIRM LICENSE NO: F-0493

Designed by:
LILY MCKINNEY 4559
NAME LEVEL III CERTIFICATION NO.

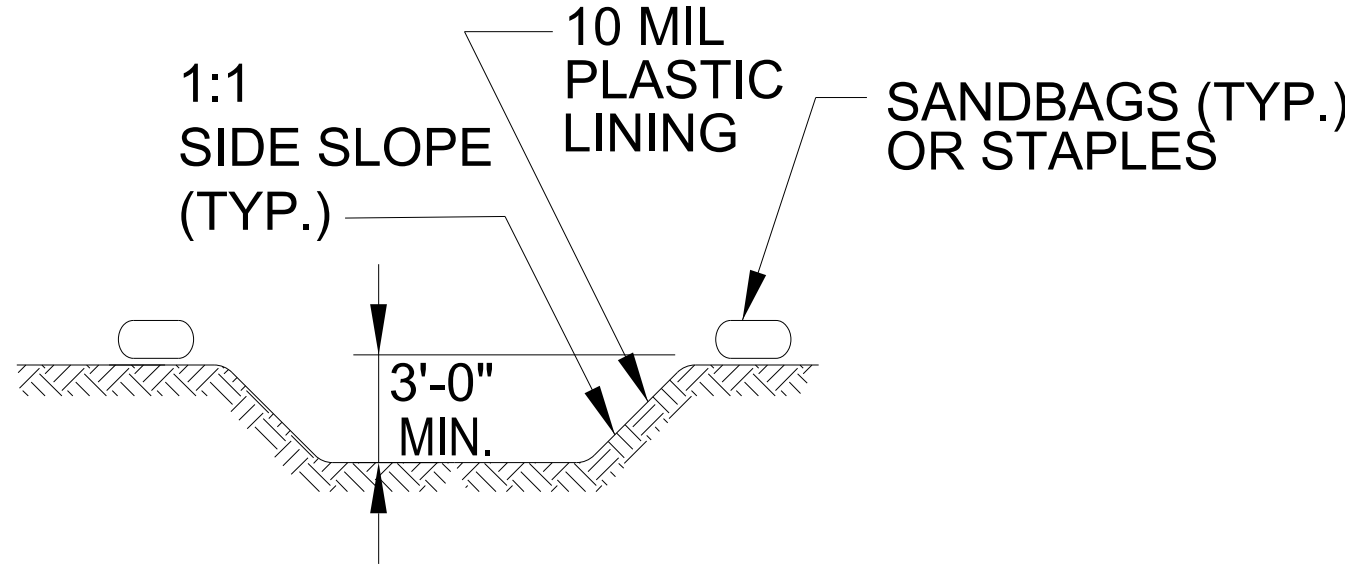
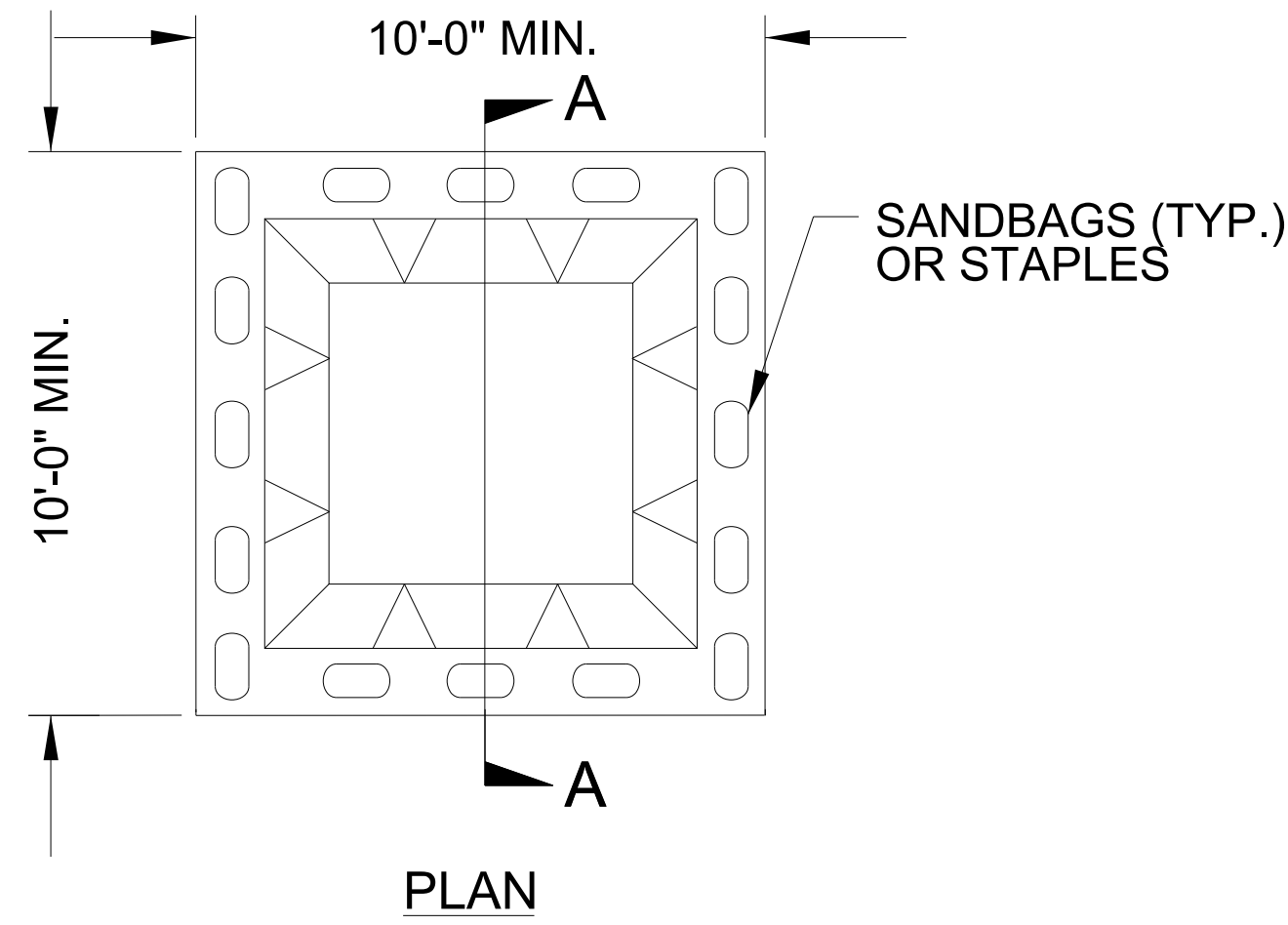
Roadway Standard Drawings
The "Roadway Standard Drawings"- Roadway Design Unit - N. C.
Department of Transportation - Raleigh, N. C., dated January 2024
and the latest revision thereto are applicable to this project and by
reference hereby are considered a part of these plans.

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

EROSION & SEDIMENT CONTROL LEGEND

Std. #	Description	Symbol	Std. #	Description	Symbol
1605.01	Temporary Silt Fence		1633.01	Temporary Rock Silt Check Type A	
1606.01	Special Sediment Control Fence		1633.02	Temporary Rock Silt Check Type B	
1622.01	Temporary Berms and Slope Drains		1633.03	Temporary Rock Silt Check Type A with Excelsior Matting and Flocculant	
1630.02	Silt Basin Type B		1634.01	Temporary Rock Sediment Dam Type A	
1630.03	Temporary Silt Ditch		1634.02	Temporary Rock Sediment Dam Type B	
1630.04	Stilling Basin		1635.01	Rock Pipe Inlet Sediment Trap Type A	
1630.05	Temporary Diversion		1635.02	Rock Pipe Inlet Sediment Trap Type B	
1630.06	Special Stilling Basin		1636.01	Excelsior Wattle Check	
1630.07	Skimmer Basin		1636.01	Excelsior Wattle Check with Flocculant	
1630.08	Tiered Skimmer Basin		1636.01	Coir Fiber Wattle Check	
1630.09	Earthen Dam with Skimmer		1636.01	Coir Fiber Wattle Check with Flocculant	
	Infiltration Basin		1636.02	Silt Fence Excelsior Wattle Break	
	Rock Inlet Sediment Trap:			Silt Fence Coir Fiber Wattle Break	
1632.01	Type A		1636.03	Excelsior Wattle Barrier	
1632.02	Type B		1636.03	Coir Fiber Wattle Barrier	
1632.03	Type C				

ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER

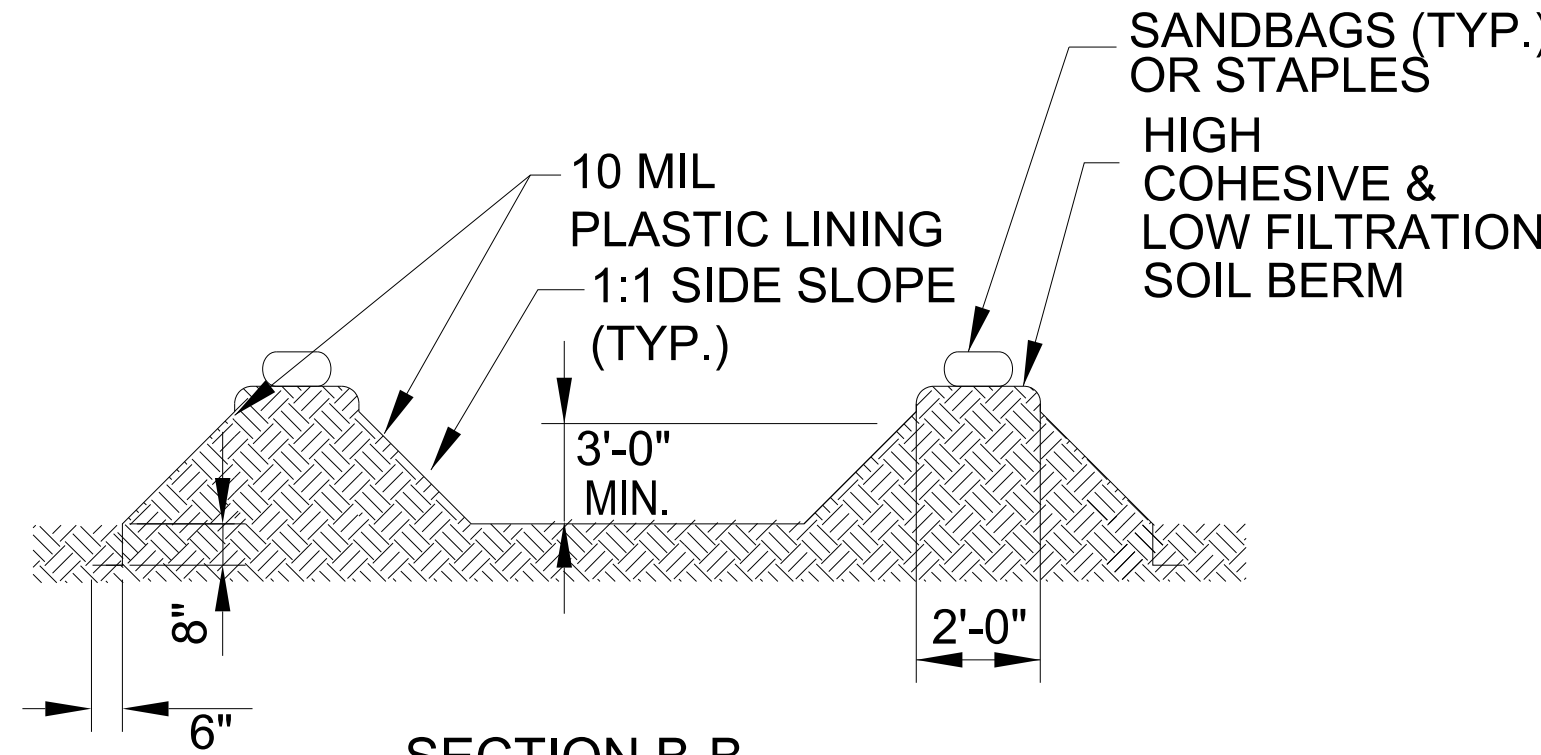
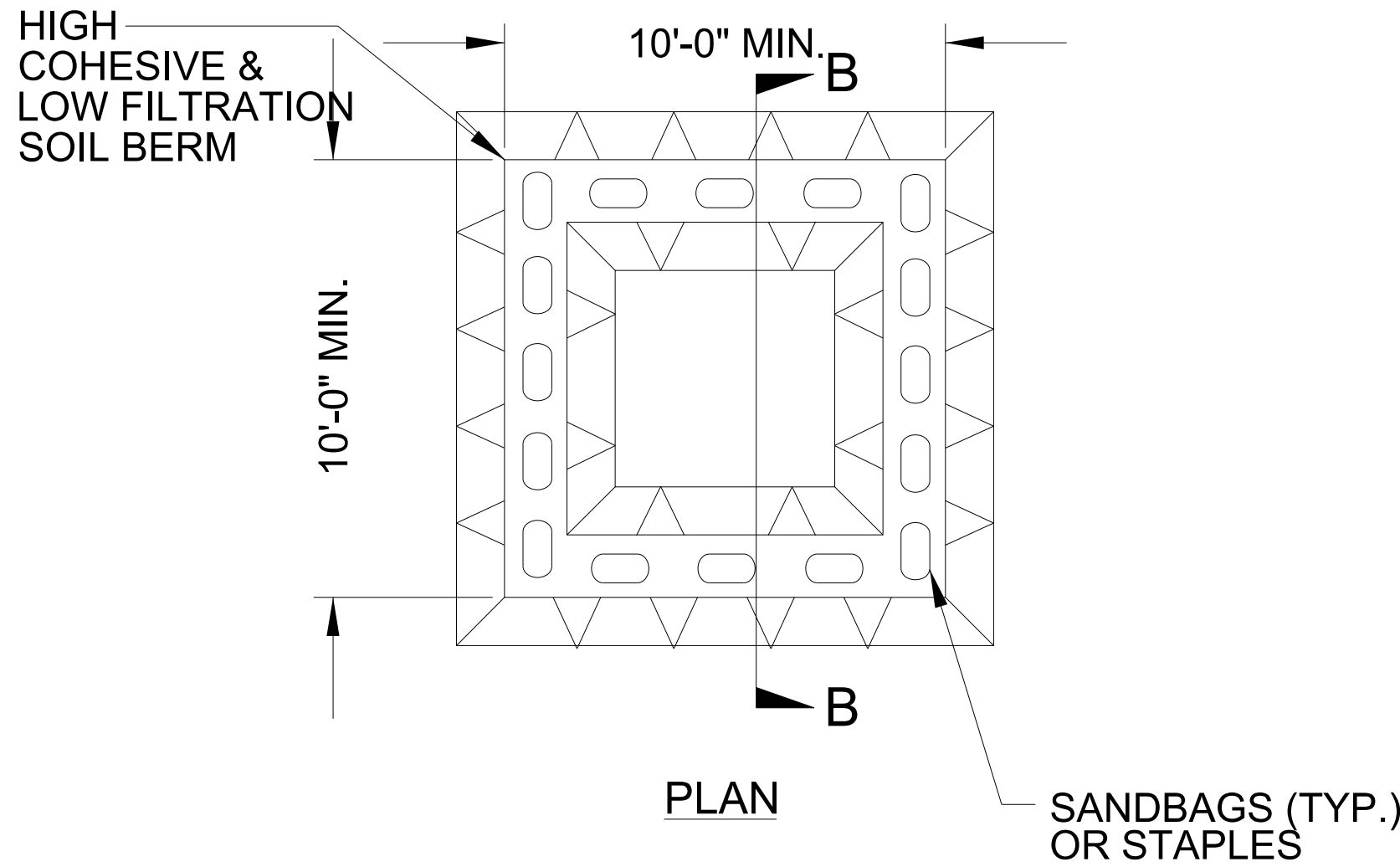


SECTION A-A

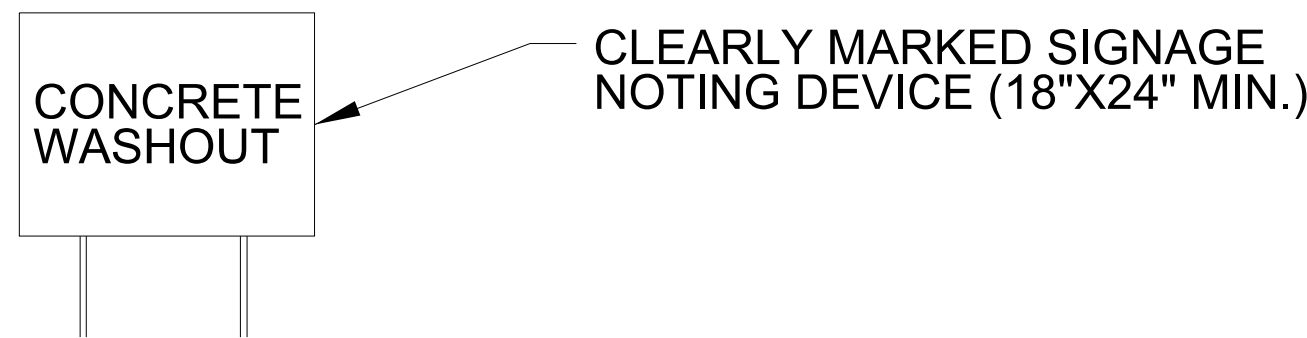


BELOW GRADE WASHOUT STRUCTURE
NOT TO SCALE

- NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD
 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
 3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.



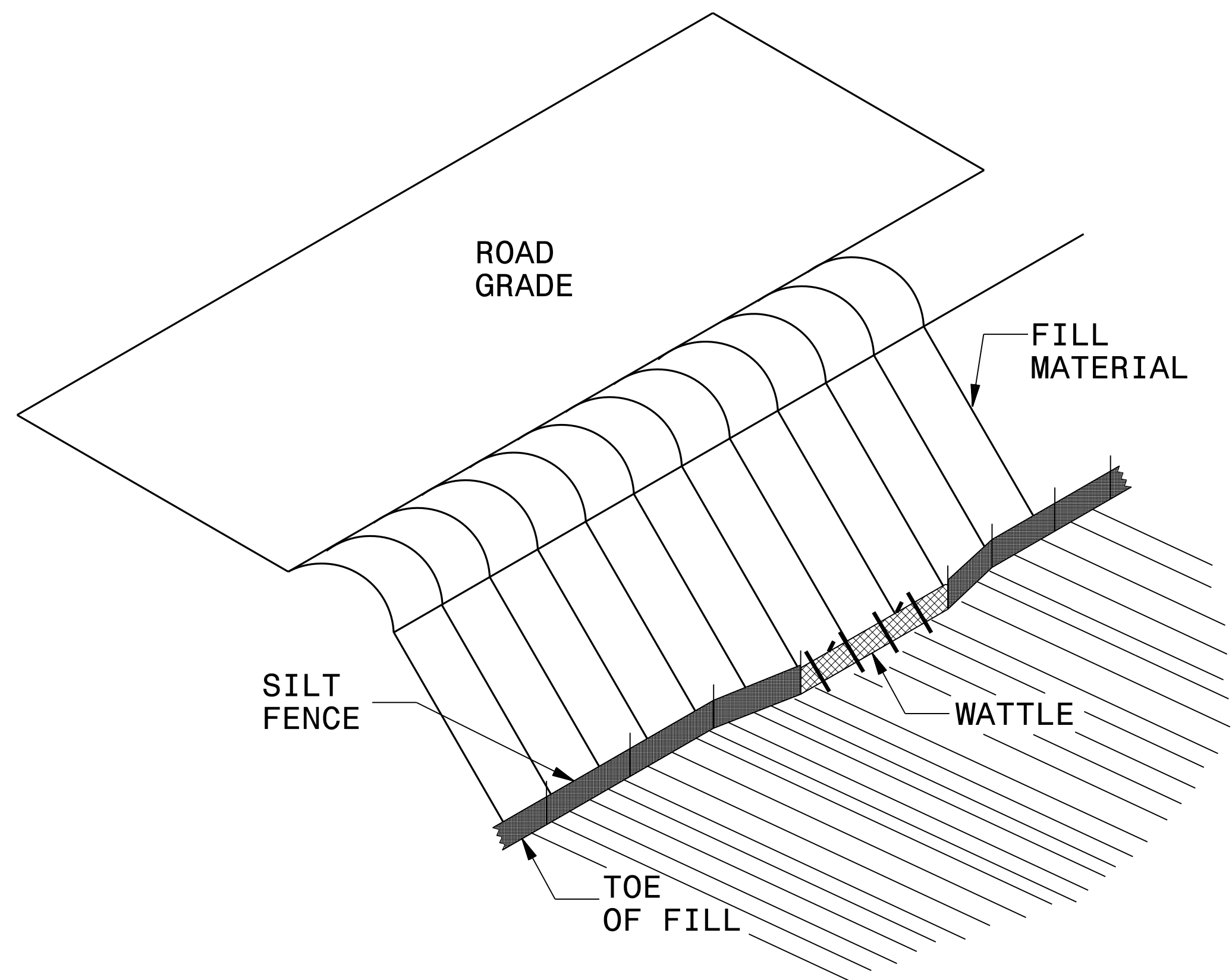
SECTION B-B



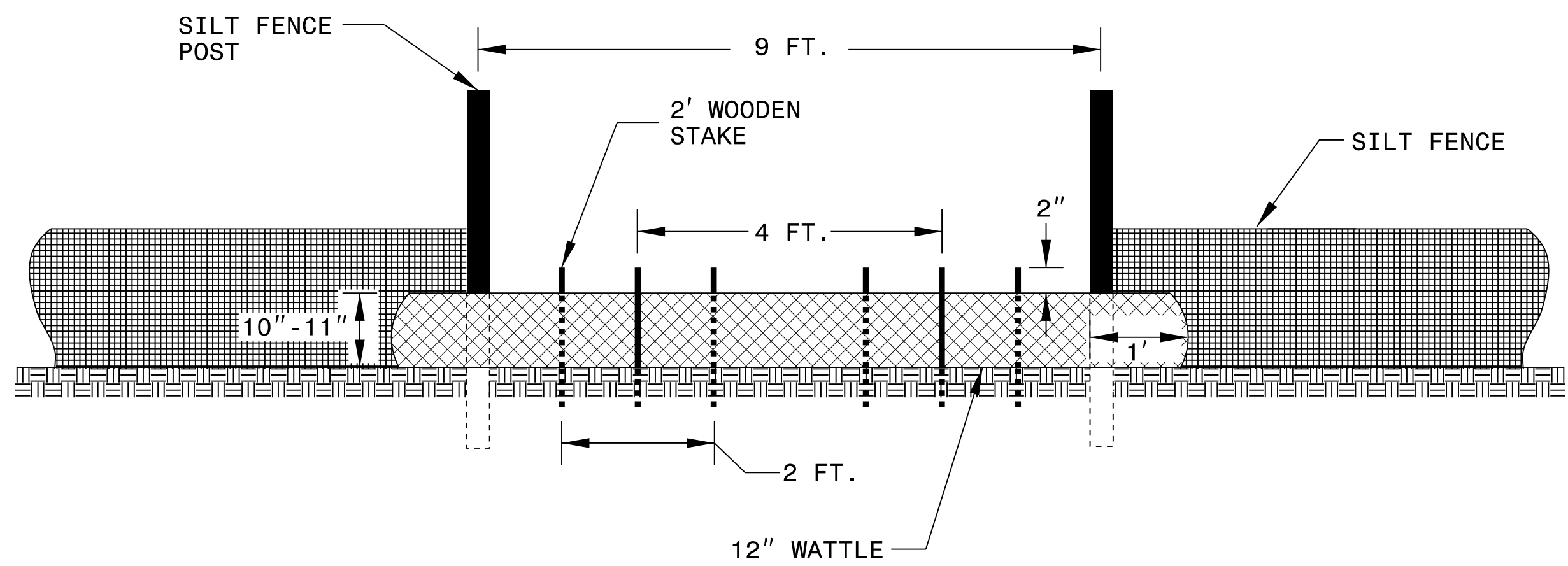
ABOVE GRADE WASHOUT STRUCTURE
NOT TO SCALE

- NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD
 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
 3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

SILT FENCE COIR FIBER WATTLE BREAK DETAIL



ISOMETRIC VIEW

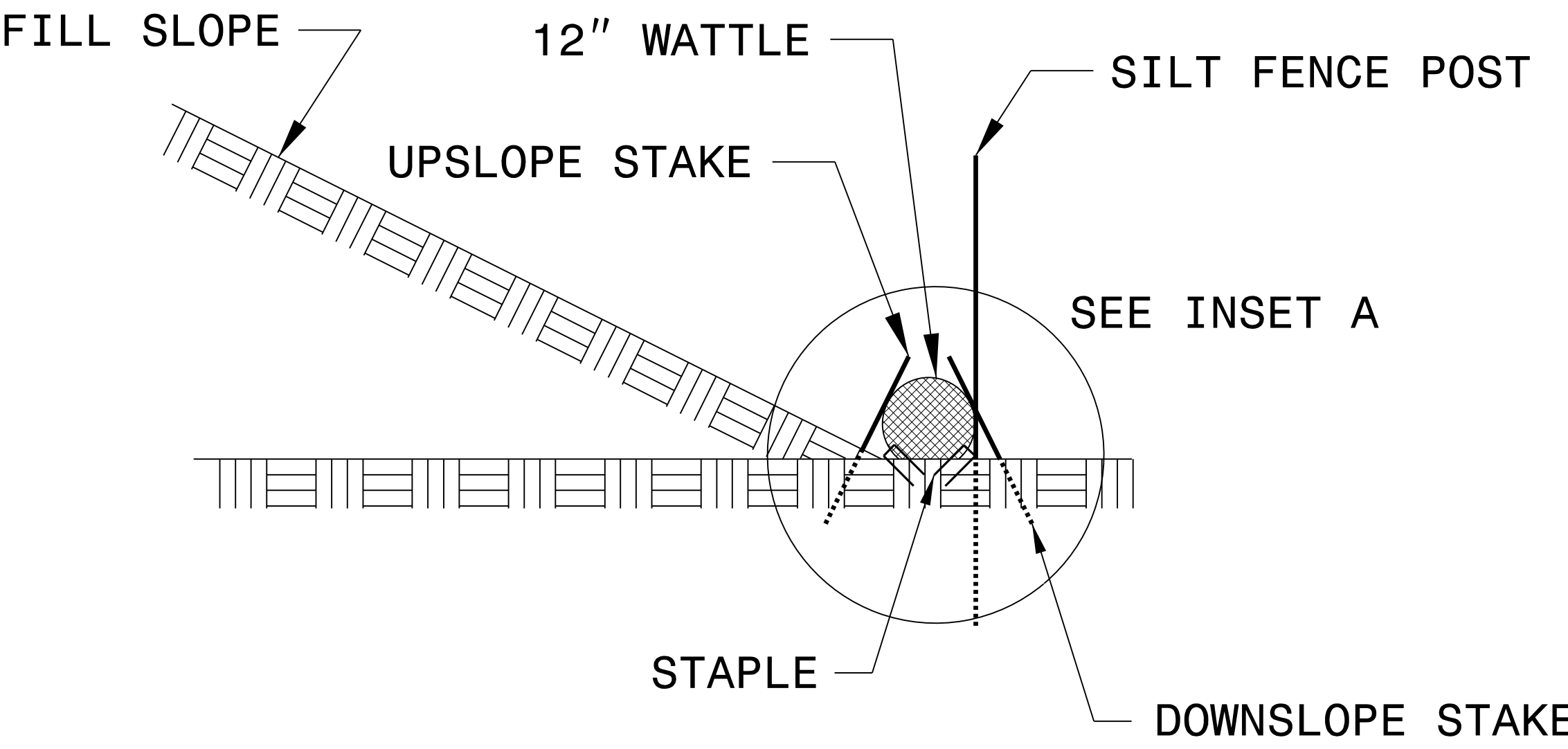
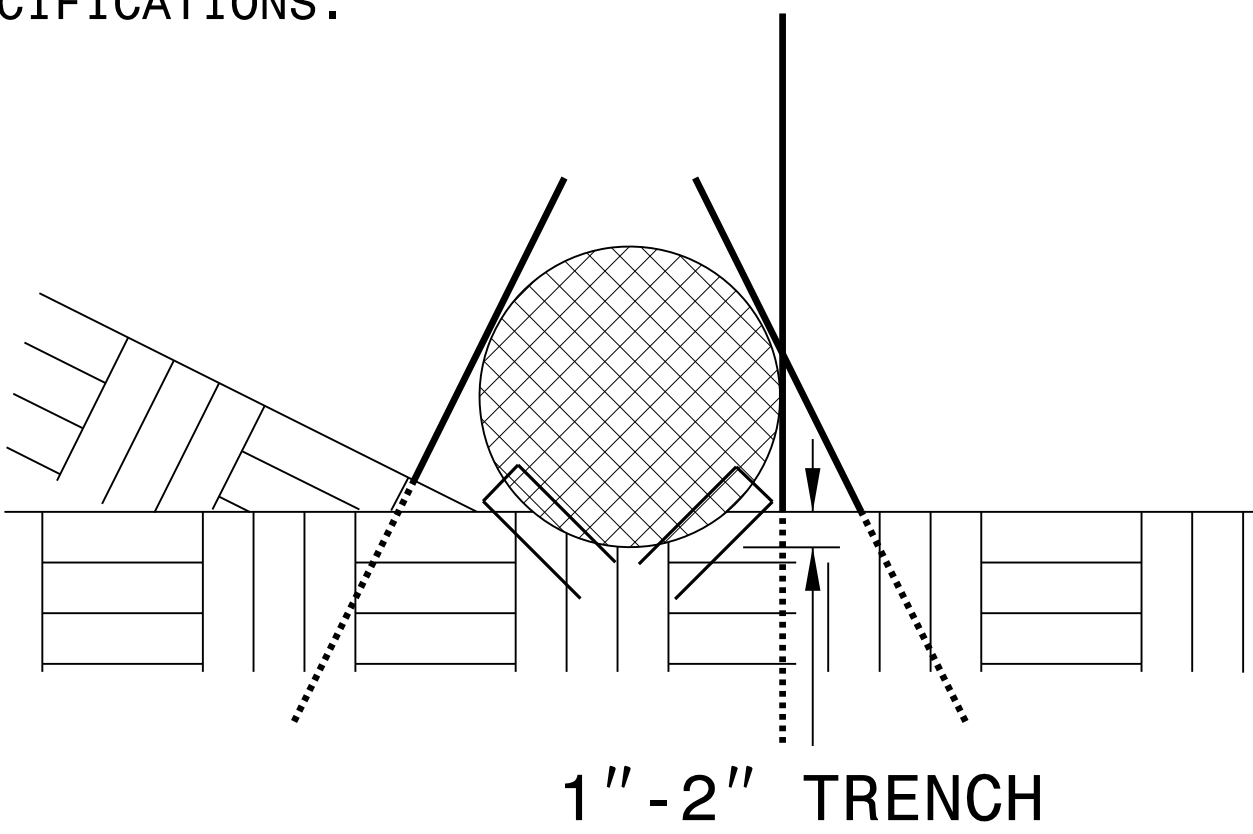


VIEW FROM SLOPE

NOTES:

- USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE AND LENGTH OF 10 FT.
- EXCAVATE A 1 TO 2 INCH TRENCH FOR WATTLE TO BE PLACED.
- DO NOT PLACE WATTLE ON TOE OF SLOPE.
- USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.
- INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO GROUND.
- PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.
- INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.
- WATTLE INSTALLATION CAN BE ON OUTSIDE OF THE SILT FENCE AS DIRECTED.
- INSTALL TEMPORARY SILT FENCE IN ACCORDANCE WITH SECTION 1605 OF THE STANDARD SPECIFICATIONS.

INSET A



SIDE VIEW

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION TIMEFRAMES

SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 TO 4:1	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH WITH SLOPES STEEPER THAN 4:1. 7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL
REQUIRE PRIOR APPROVAL BY ENGINEER.

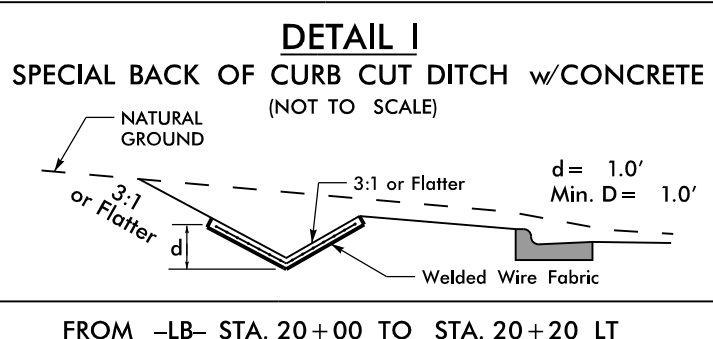
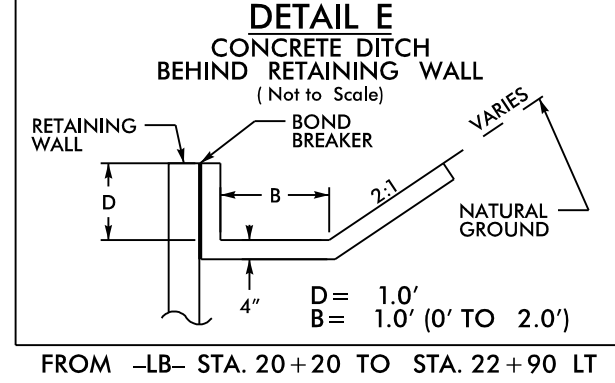
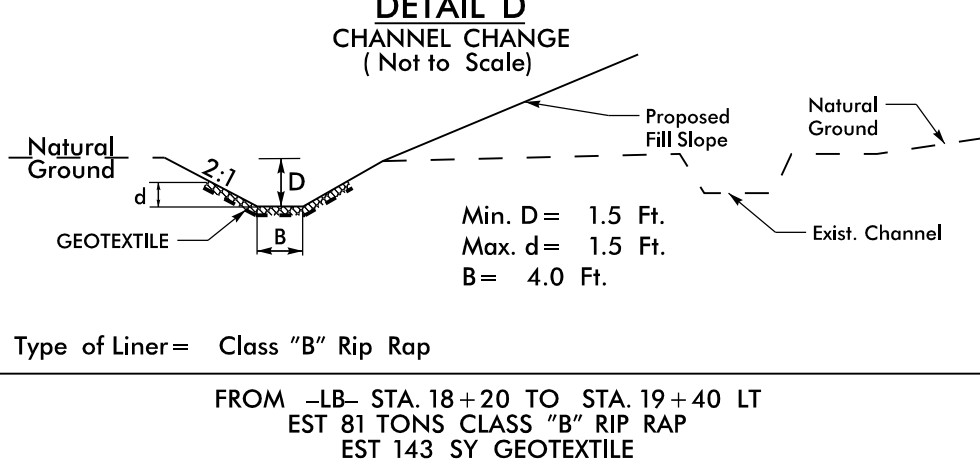
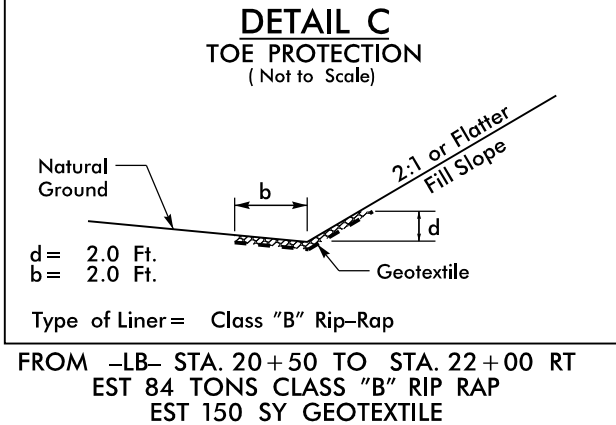
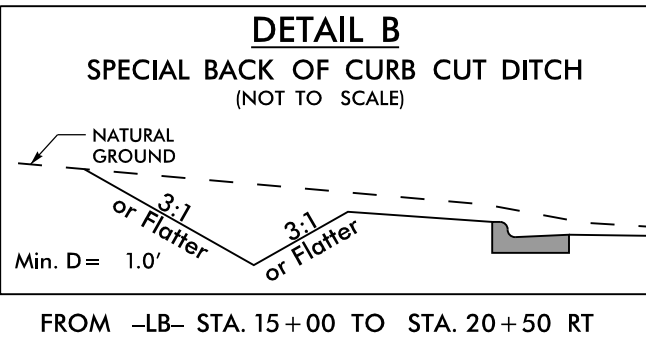
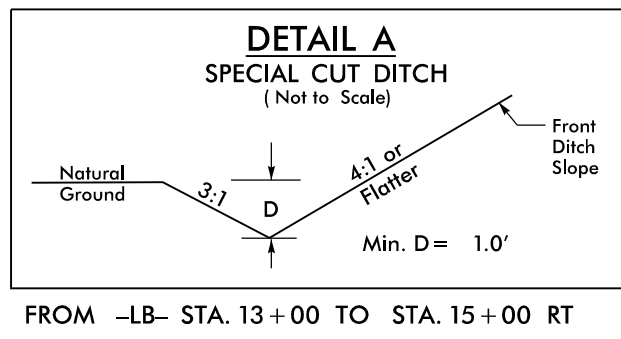
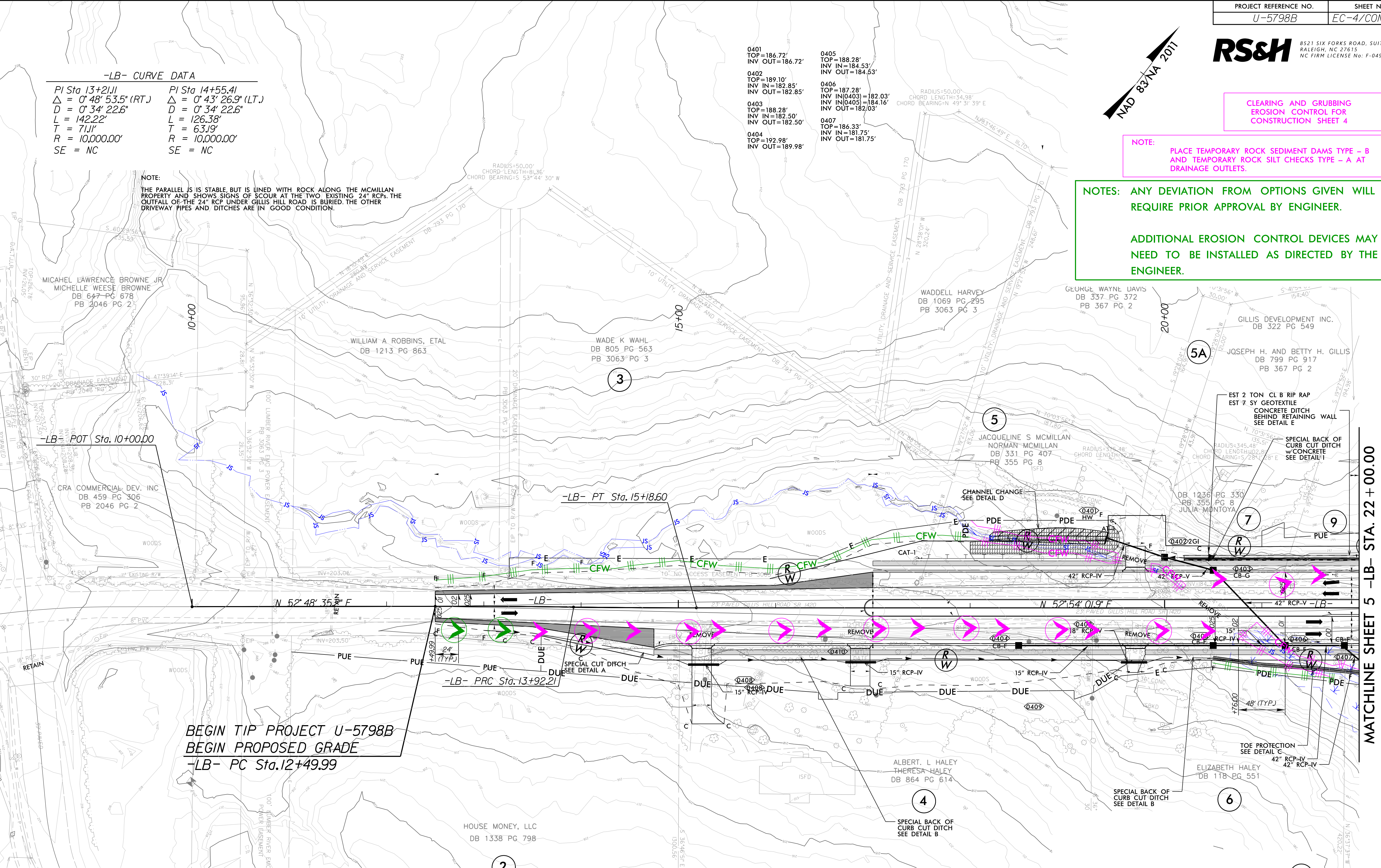
ADDITIONAL EROSION CONTROL DEVICES MAY
NEED TO BE INSTALLED AS DIRECTED BY THE
ENGINEER.

NAD 83 NA 2011

-LB- CURVE DATA	
PI Sta 13+21.11	PI Sta 14+55.41
$\Delta = 0^{\circ} 48' 53.5''$ (RT.)	$\Delta = 0^{\circ} 43' 26.9''$ (LT.)
$D = 0^{\circ} 34' 22.6''$	$D = 0^{\circ} 34' 22.6''$
$L = 142.22'$	$L = 126.38'$
$T = 71.11'$	$T = 63.19'$
$R = 10,000.00'$	$R = 10,000.00'$
SE = NC	SE = NC

NOTE:
THE PARALLEL IS STABLE, BUT IS LINED WITH ROCK ALONG THE MC MILLAN
PROPERTY AND SHOWS SIGNS OF SCOUR AT THE TWO EXISTING 24" RCPs. THE
OUTFALL OF THE 24" RCP UNDER GILLIS HILL ROAD IS BURIED. THE OTHER
DRIVEWAY PIPES AND DITCHES ARE IN GOOD CONDITION.

0401 TOP=186.72' INV. OUT=186.72'	0405 TOP=188.28' INV. IN=184.53' INV. OUT=184.53'
0402 TOP=189.10' INV. IN=182.85' INV. OUT=182.85'	0406 TOP=187.28' INV. IN(0403)=182.03' INV. IN(0405)=184.16' INV. OUT=182.03'
0403 TOP=188.28' INV. IN=182.50' INV. OUT=182.50'	0407 TOP=186.33' INV. IN=181.75' INV. OUT=181.75'
0404 TOP=192.98' INV. OUT=189.98'	

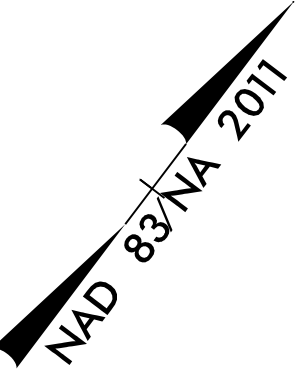


MATCHLINE SHEET 5 -LB- STA. 22+00.00

REVISIONS

8/17/99

09-APR-2025 09:54
RS&H Design U-5798B\PSHU-U-5798B-EC-4.psh_4_C&G.dgn
\$\$\$\$\$
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-LB- CURVE DATA

PI Sta 27+42.62
 $\Delta = 47^\circ 45' 00.0''$ (LT.)
 $D = 5^\circ 43' 46.5''$
 $L = 833.39'$
 $T = 442.62'$
 $R = 1,000.00'$
 $SE = 04$
 $RO = 192'$

-YI- CURVE DATA

PI Sta 11+37.48
 $\Delta = 53^\circ 40' 22.7''$ (LT.)
 $D = 28^\circ 38' 52.4''$
 $L = 187.35'$
 $T = 101.19'$
 $R = 200.00'$
 $SE = RC$
 $RO = 36'$

-LB- PC Sta. 23+00.00

-LB- POC Sta. 27+83.87 =
-YI- POT Sta. 10+00.00
S 55° 53' 07.9" E

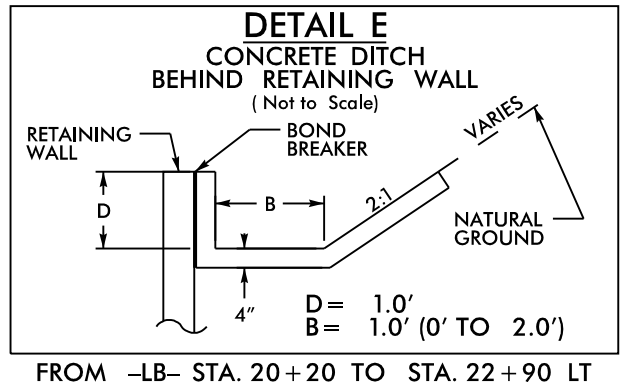
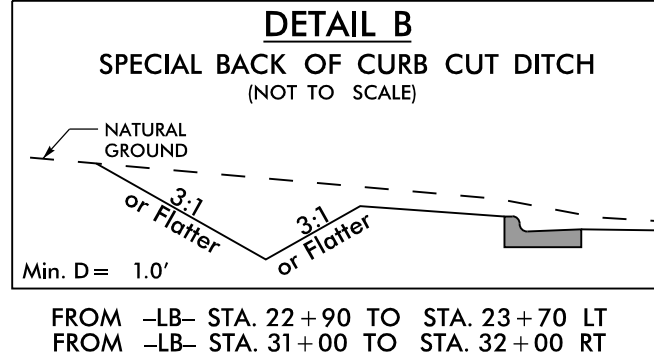
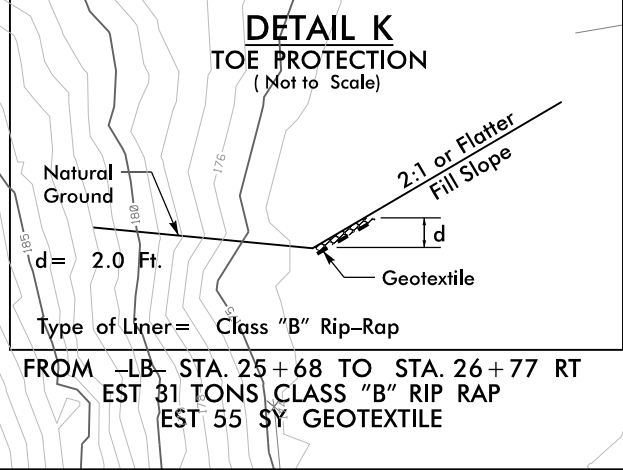
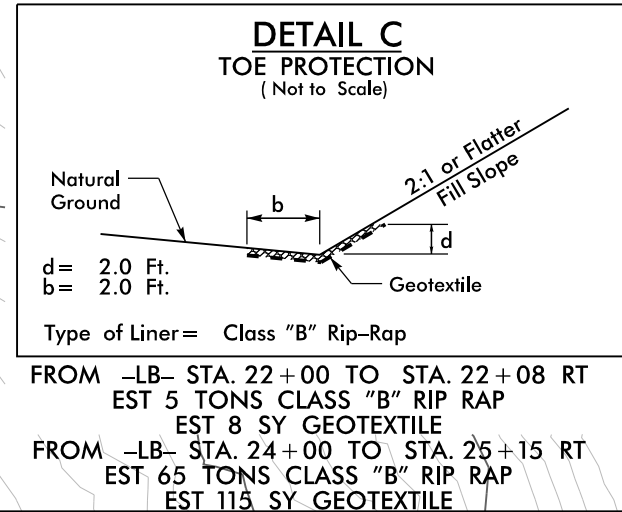
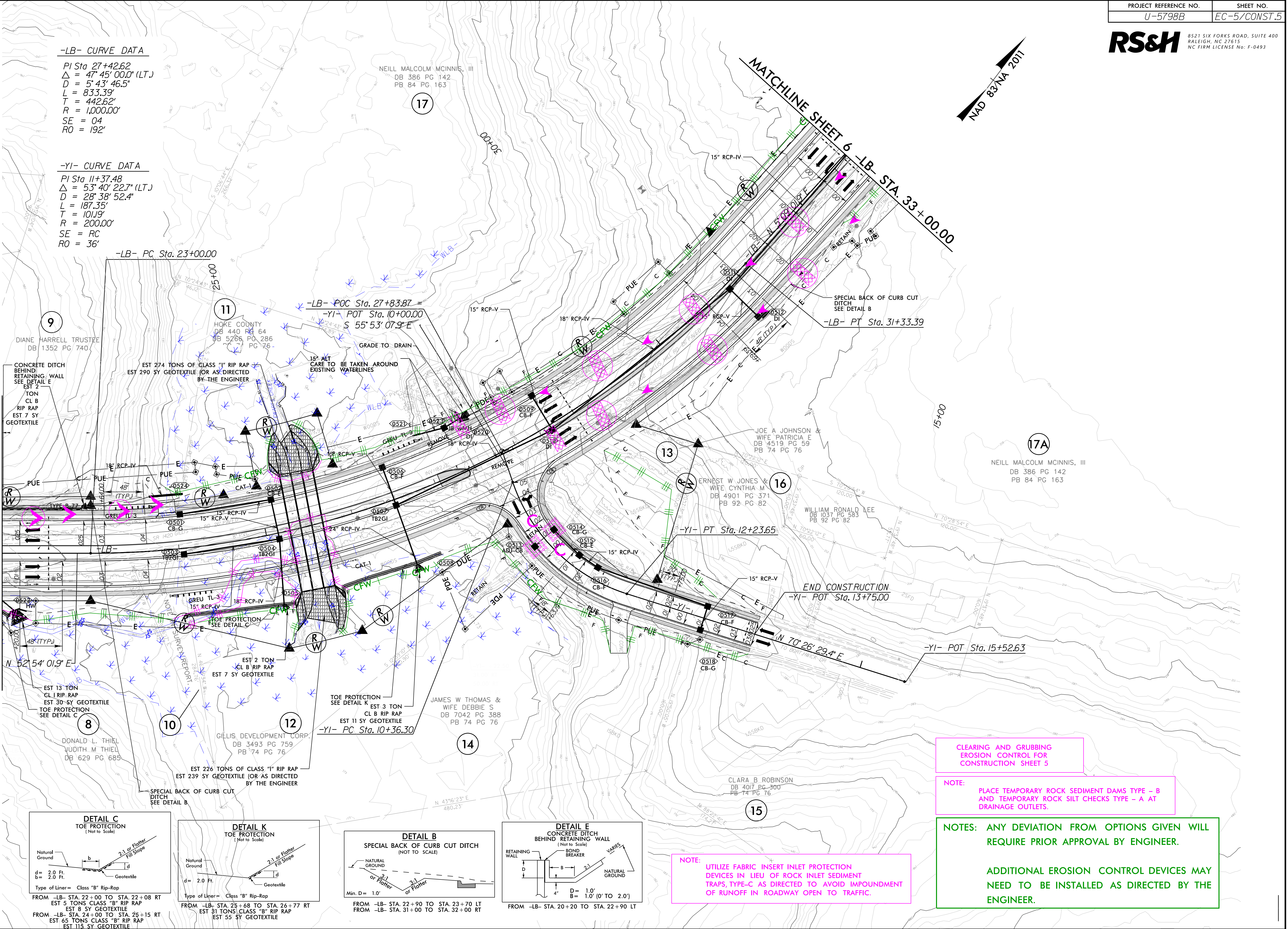
-LB- PT Sta. 31+33.39

END CONSTRUCTION
-YI- POT Sta. 13+75.00

-YI- POT Sta. 15+52.63

MATCHLINE SHEET 4 -LB- STA. 22+00.00

MATCHLINE SHEET 6 -LB- STA. 33+00.00



CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 5

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL
REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY
NEED TO BE INSTALLED AS DIRECTED BY THE
ENGINEER.

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION
DEVICES IN LIEU OF ROCK INLET SEDIMENT
TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT
OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

REVISIONS

8/17/99

RS&H - JUN-2025 19.04
PROJECT: U-5798B\PSHU-U-5798B-EC-5.psh_5.C&G.dgn
DRAWN: JEFFREY B. BROWN

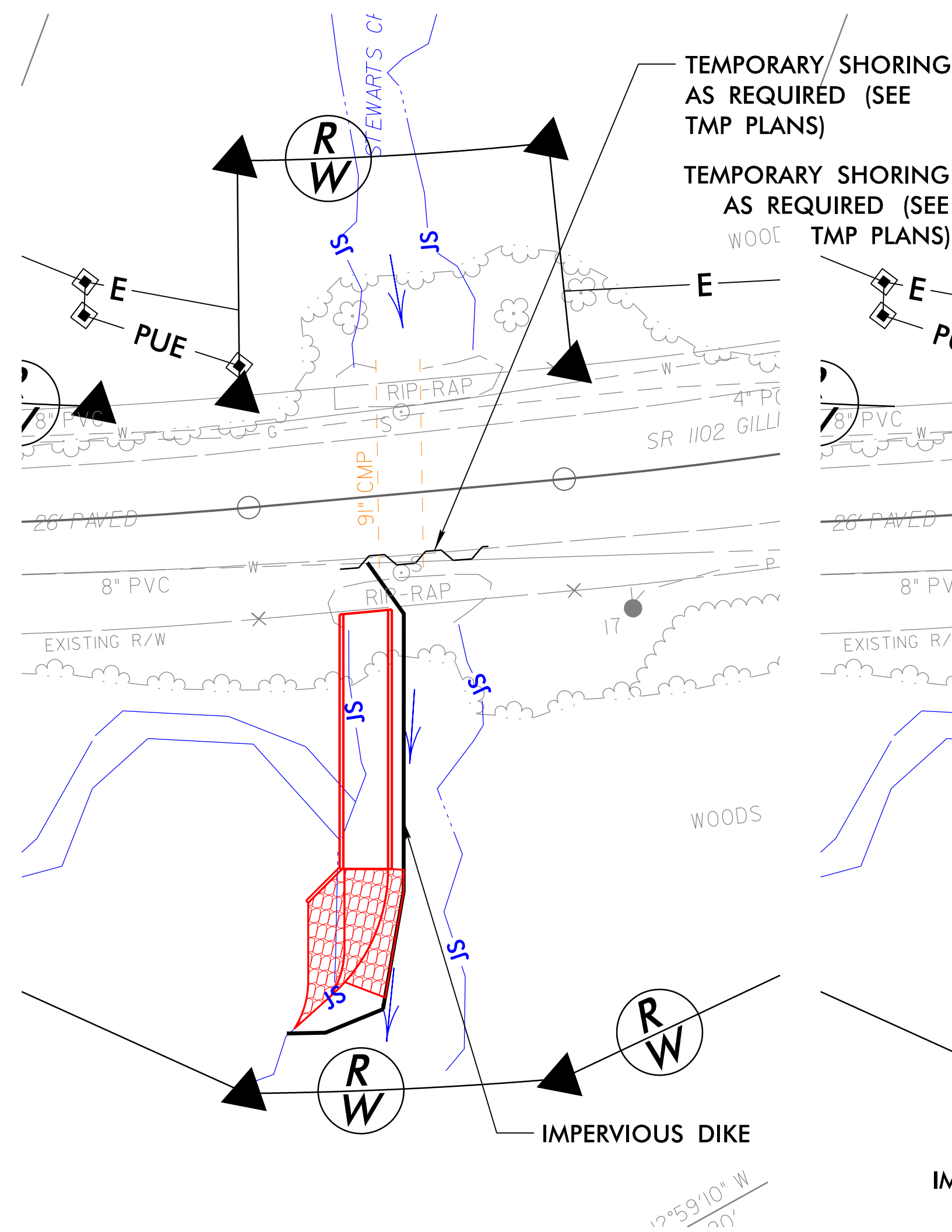
STEWARTS CREEK CULVERT CONSTRUCTION SEQUENCE

STREAM AND CULVERT PHASING TO BE USED IN CONJUNCTION WITH TMP PHASING PLANS.
UTILIZE PUMPS AND SPECIAL STILLING BASINS AS NEEDED TO DEWATER CULVERT WORK AREAS.



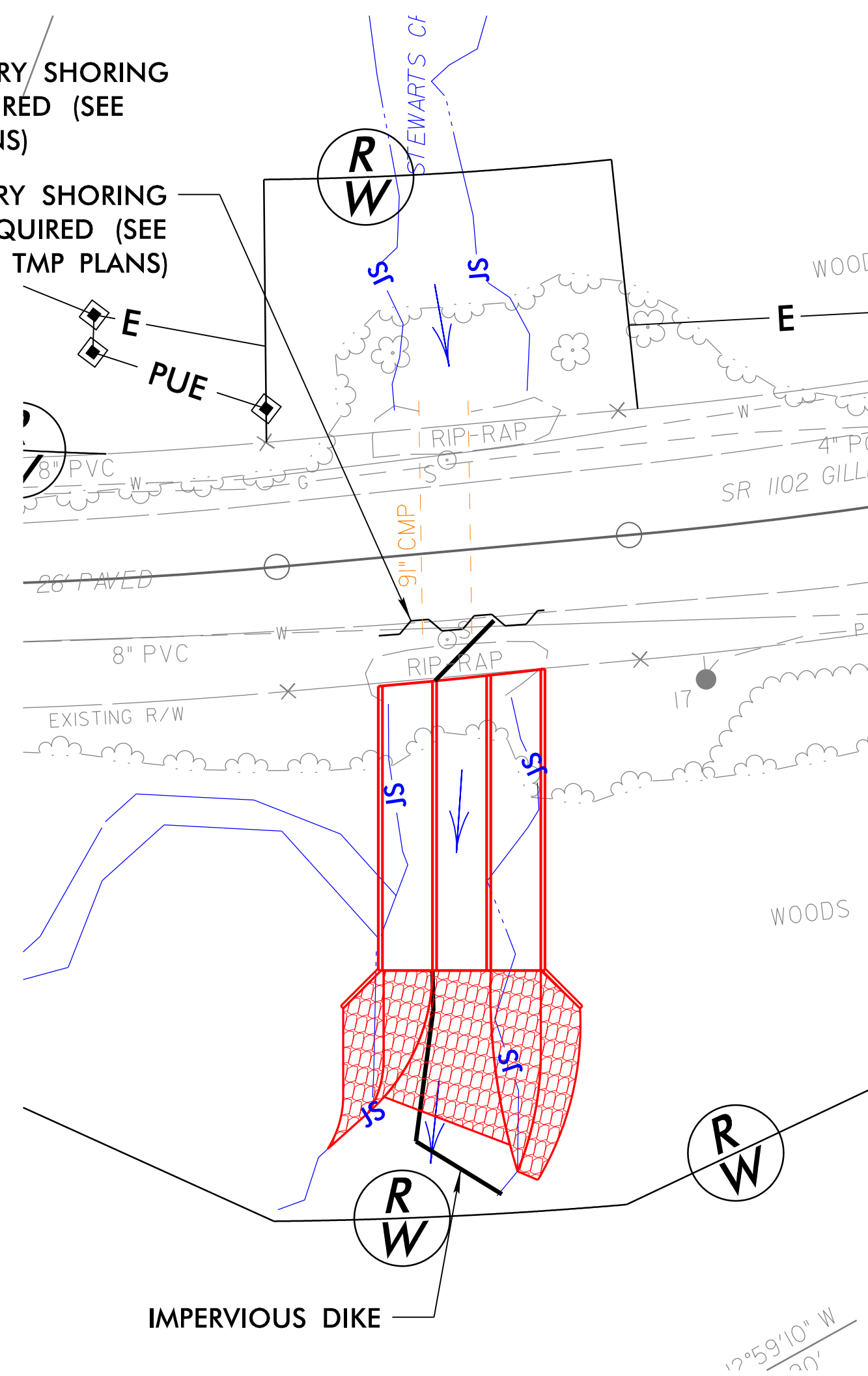
PHASE 1

1. UTILIZE TEMPORARY SHORING ALONG EXISTING ROAD AND REMOVE APPROXIMATELY 16' OF EXISTING 90" CMP.
2. USE IMPERVIOUS DIKES TO DIVERT WATER AROUND THE WORK AREA FOR THE DOWNSTREAM PORTION OF THE PROPOSED SOUTHERN 12'x8' RCBC BARREL.
3. CONSTRUCT 70' OF THE PROPOSED SOUTHERN 12'x8' RCBC BARREL AND CHANNEL IMPROVEMENTS.



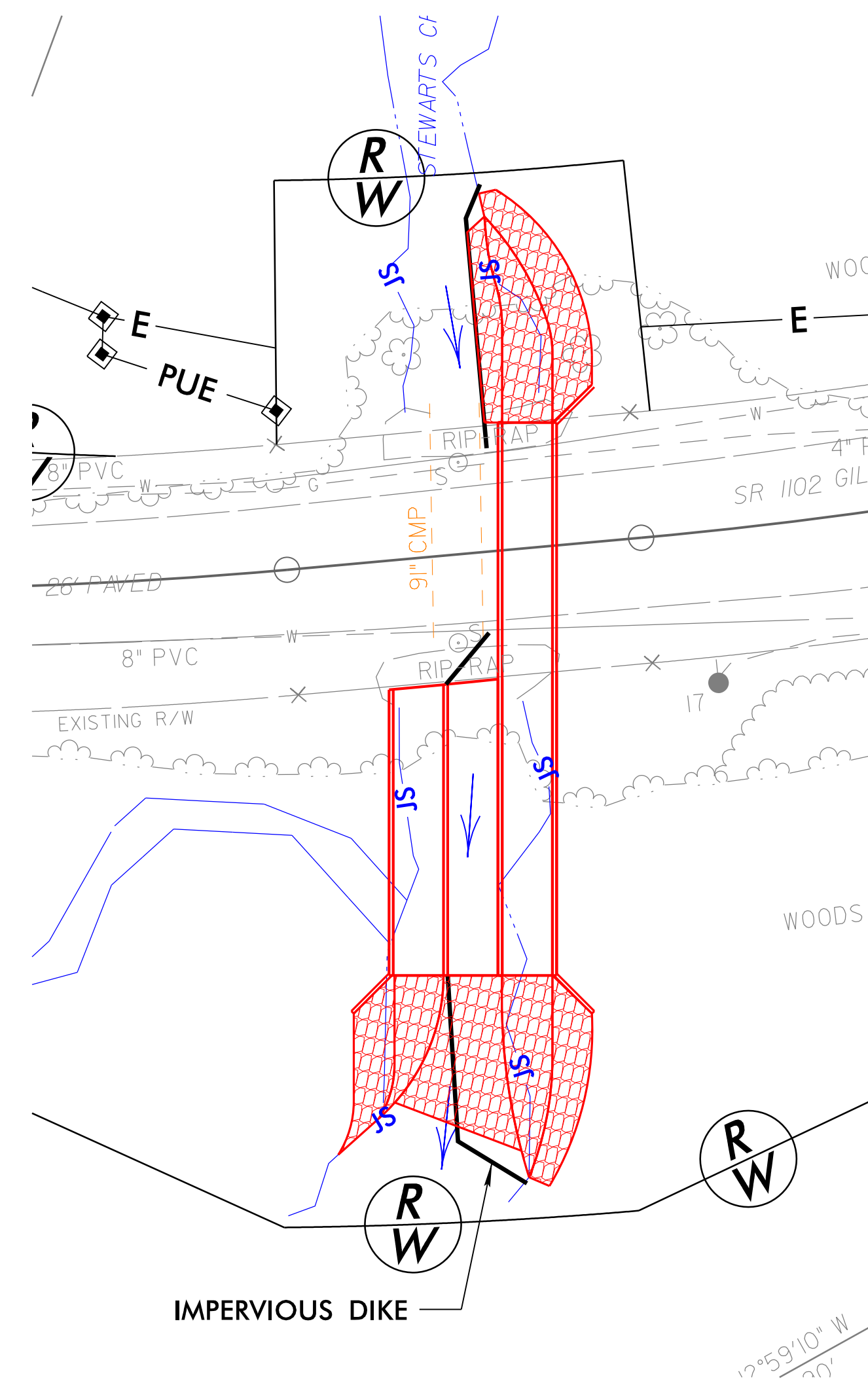
PHASE 2

1. USE IMPERVIOUS DIKES TO DIVERT WATER THROUGH THE SOUTHERN PROPOSED 12'x8' RCBC BARREL.
2. CONSTRUCT THE REMAINING TWO DOWNSTREAM 12'x8' RCBC BARRELS AND CHANNEL IMPROVEMENTS.



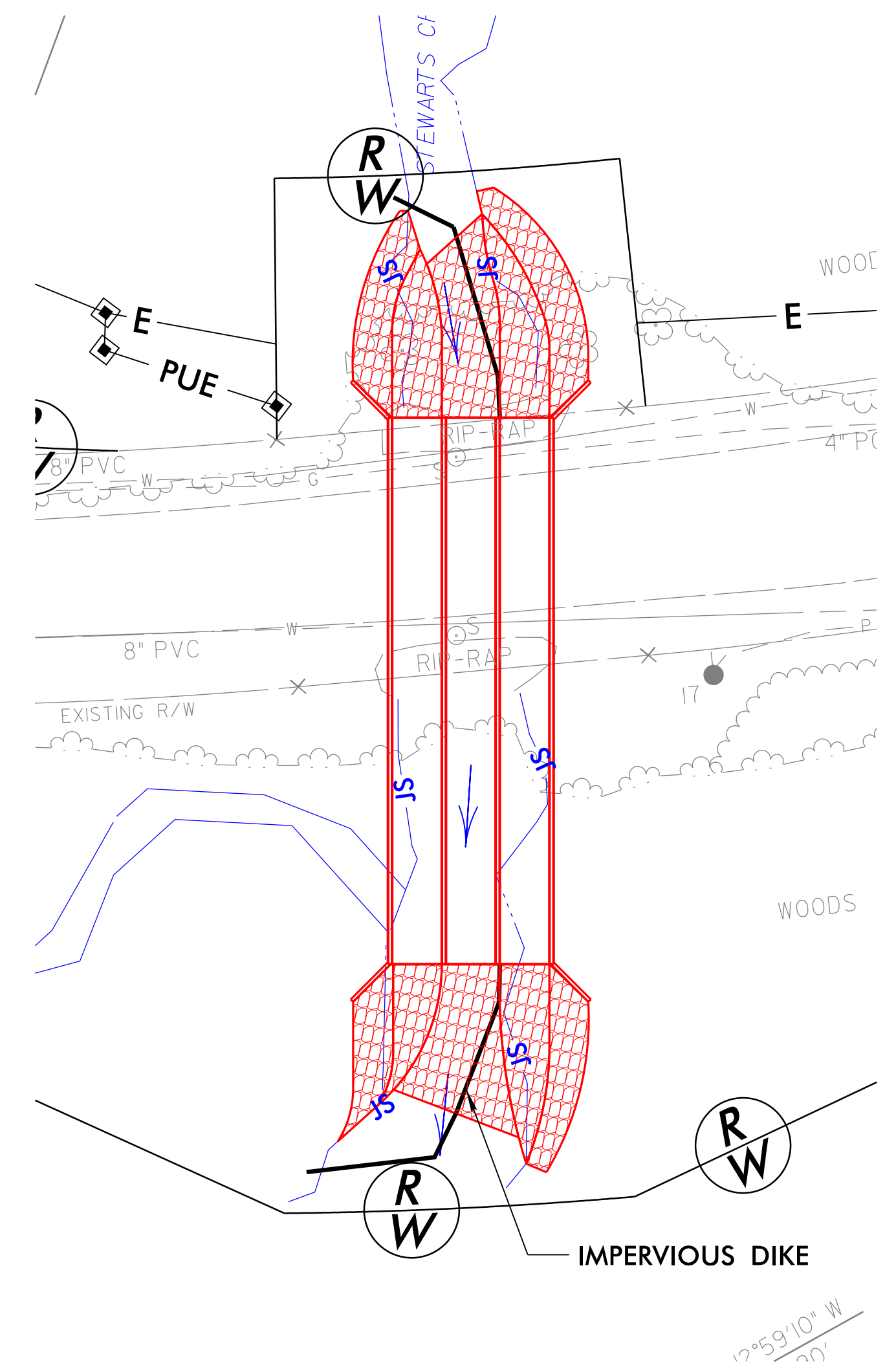
PHASE 3

1. USE IMPERVIOUS DIKES TO DIVERT WATER AROUND THE WORK AREA FOR THE PROPOSED NORTHERN 12'x8' RCBC BARREL.
2. CONSTRUCT THE FULL LENGTH OF THE PROPOSED NORTHERN 12'x8' RCBC BARREL AND CHANNEL IMPROVEMENTS.



PHASE 4

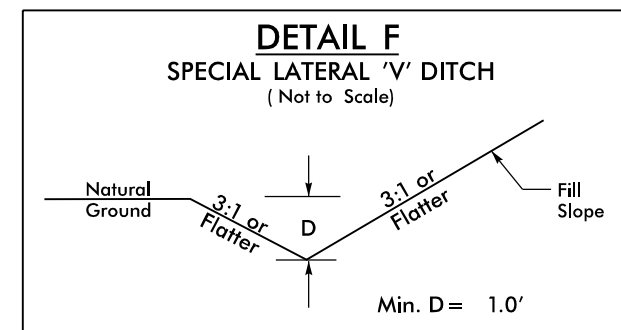
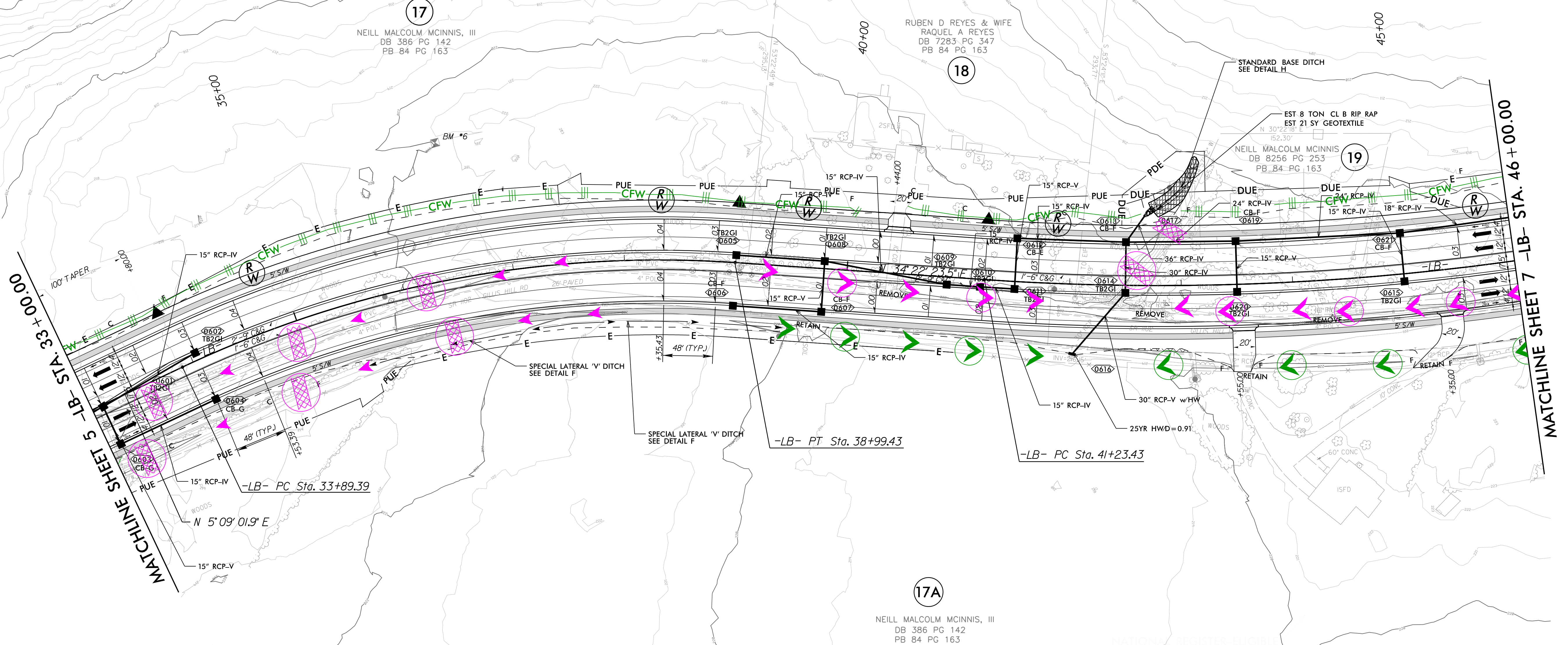
1. USE IMPERVIOUS DIKES TO DIVERT WATER THROUGH THE PROPOSED NORTHERN 12'x8' RCBC BARREL.
2. CONSTRUCT THE REMAINDER OF THE PROPOSED 3@12'x8' RCBC AND CHANNEL IMPROVEMENTS.
3. REMOVE ALL IMPERVIOUS DIKES AND ANY REMAINING SPECIAL STILLING BASIN(S).
4. COMPLETE ROADWAY.



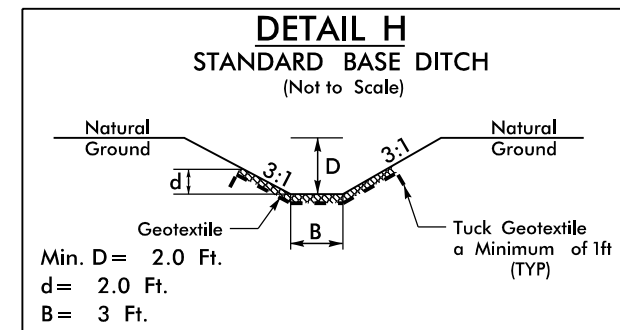
-LB- CURVE DATA

PI Sta 36+50.09	PI Sta 46+22.93
$\Delta = 29^{\circ}13'21.6"$ (RT.)	$\Delta = 24^{\circ}30'21.9"$ (LT.)
D = 5'43" 46.5"	D = 2'29" 28.0"
L = 510.03'	L = 983.74'
T = 260.69'	T = 499.51'
R = 1,000.00'	R = 2,300.00'
SE = 04	SE = 03
RO = 192'	RO = 144'

NAD 83/NA 2011



FROM -LB- STA. 35+50 TO STA. 37+50 RT
FROM -LB- STA. 37+50 TO STA. 39+50 RT



FROM -LB- STA. 42+67 TO STA. 43+15 LT
EST 64 TONS CLASS "B" RIP RAP
EST 114 SY GEOTEXTILE
DDE = 40CY

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 6

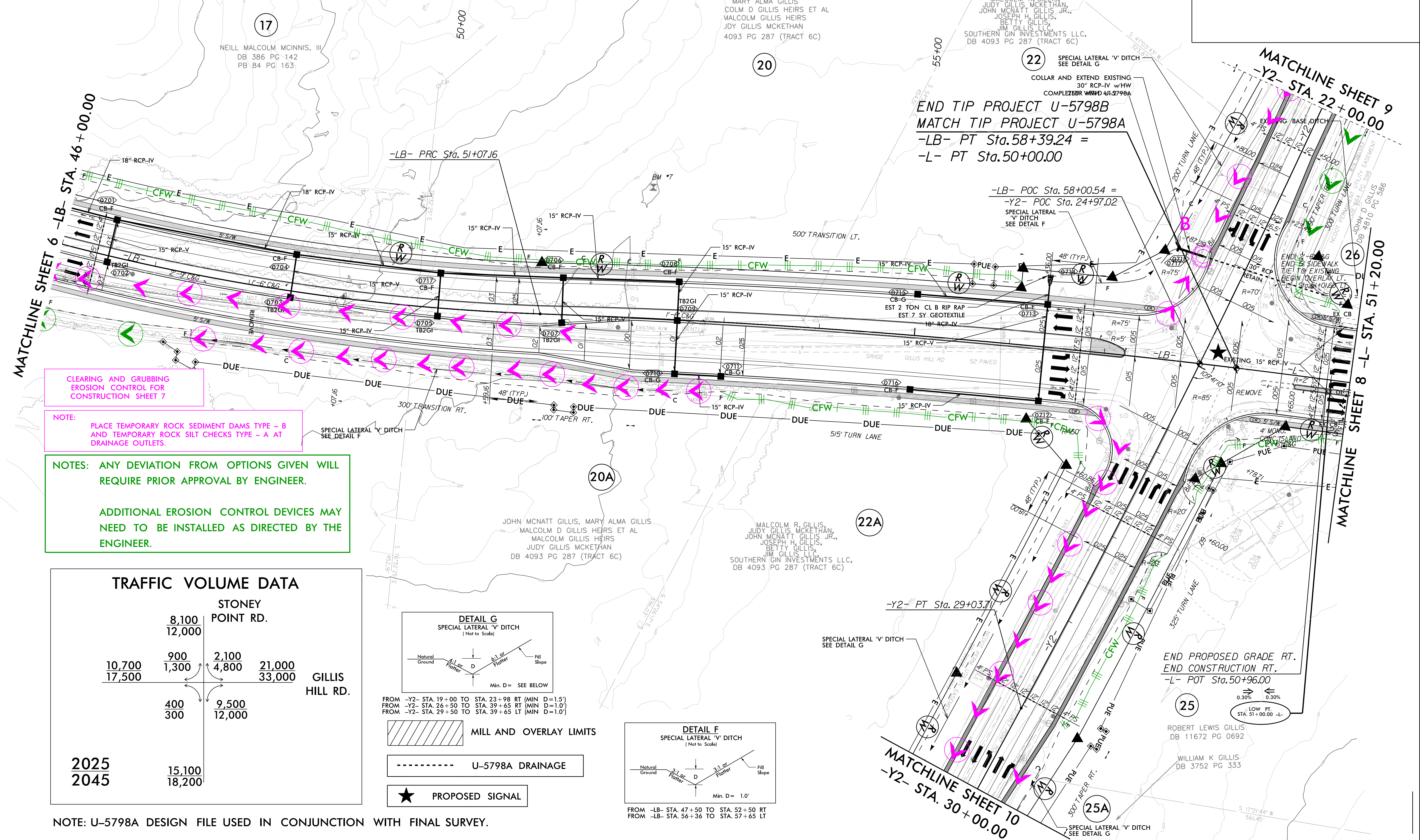
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL
REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY
NEED TO BE INSTALLED AS DIRECTED BY THE
ENGINEER.

NAD 83/NA 2011

-LB- CURVE DATA		-Y2- CURVE DATA	
PI Sta 46+22.93	PI Sta 54+73.43	PI Sta 25+46.54	
$\Delta = 24^{\circ} 30' 21.9"$ (LT.)	$\Delta = 4^{\circ} 56' 04.9"$ (RT.)	$\Delta = 3^{\circ} 41' 18.7"$ (RT.)	
D = 2' 29' 28.0"	D = 0' 40' 26.6"	D = 0' 30' 58.2"	
L = 983.74'	L = 732.08'	L = 714.58'	
T = 499.51'	T = 366.26'	T = 357.41'	
R = 2,300.00'	R = 8,500.00'	R = 11,000.00'	
SE = 03	SE = NC	SE = NC	
RO = 144'			



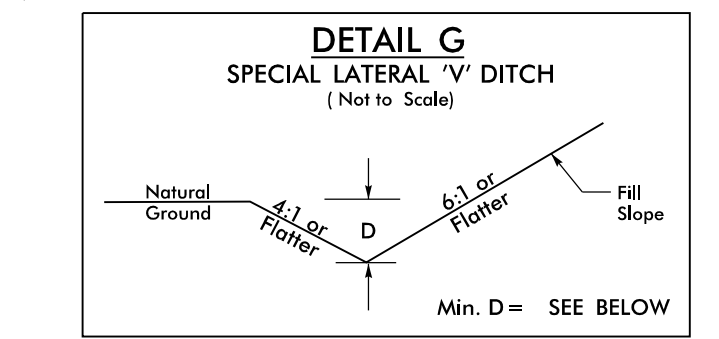
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 7

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL
REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY
NEED TO BE INSTALLED AS DIRECTED BY THE
ENGINEER.

TRAFFIC VOLUME DATA			
STONEY POINT RD.			
8,100	900	2,100	21,000
12,000	1,300	4,800	33,000
10,700			
17,500			
GILLIS HILL RD.			
400	9,500		
300	12,000		
2025			
15,100			
2045			
18,200			

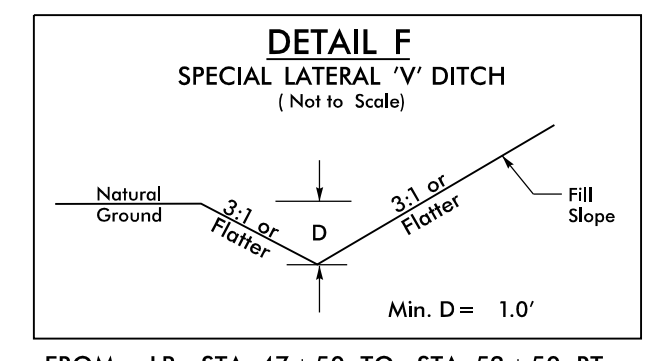


FROM -Y2- STA. 19+00 TO STA. 23+98 RT (MIN D=1.5')
FROM -Y2- STA. 26+50 TO STA. 39+65 RT (MIN D=1.0')
FROM -Y2- STA. 29+50 TO STA. 39+65 LT (MIN D=1.0')

MILL AND OVERLAY LIMITS

U-5798A DRAINAGE

PROPOSED SIGNAL



FROM -LB- STA. 47+50 TO STA. 52+50 RT
FROM -LB- STA. 56+36 TO STA. 57+65 LT

END PROPOSED GRADE RT.
END CONSTRUCTION RT.
-L- POT Sta. 50+96.00

25
LOW RT.
STA. 51+00.00 -L-

ROBERT LEWIS GILLIS
DB 11672 PG 0692

WILLIAM K. GILLIS
DB 3752 PG 333

MATCHLINE SHEET 10
-Y2- STA. 30+00.00

MATCHLINE SHEET 8
-L- STA. 51+20.00

MATCHLINE SHEET 9
-Y2- STA. 22+00.00

END TIP PROJECT U-5798B
MATCH TIP PROJECT U-5798A
-LB- PT Sta. 58+39.24 =
-L- PT Sta. 50+00.00

-LB- POC Sta. 58+00.54 =
-Y2- POC Sta. 24+97.02
SPECIAL LATERAL 'V' DITCH
SEE DETAIL F

SPECIAL LATERAL 'V' DITCH
SEE DETAIL G

SPECIAL LATERAL 'V' DITCH
SEE DETAIL G

REVISIONS

8/17/99
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\$\$\$\$\$PERMANENT\$\$\$\$\$

NAD 83/NA 2011

JOHN D GILLIS
DB 4810 PG 586

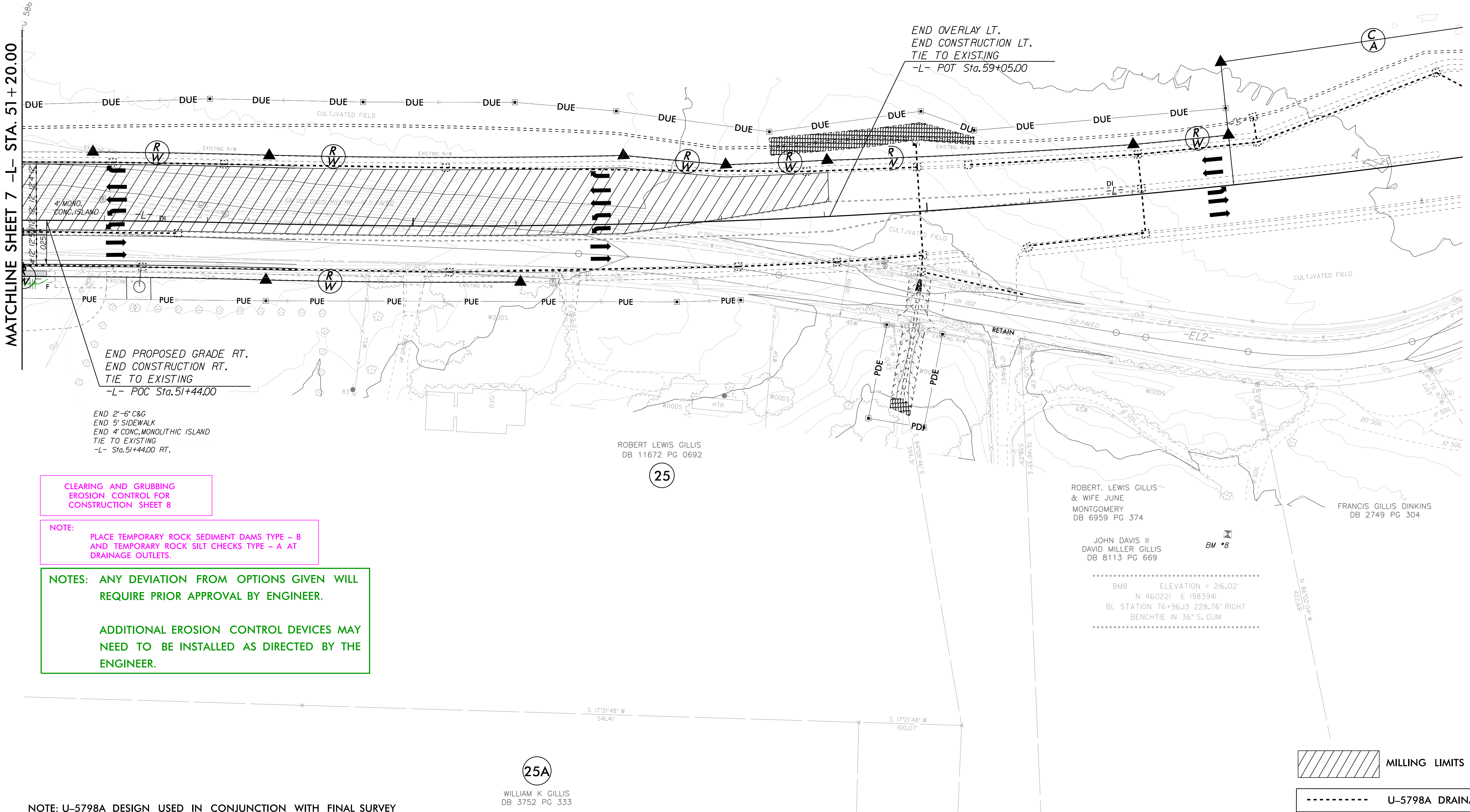
-L- CURVE DATA

PI Sta 48+37.98	PI Sta 62+27.11
$\Delta = 7^{\circ} 01' 28.2''$ (RT)	$\Delta = 13^{\circ} 43' 19.0''$ (LT)
$D = 0^{\circ} 40' 26.6''$	$D = 0^{\circ} 47' 36.9''$
$L = 1,042.10'$	$L = 1,729.14'$
$T = 521.71'$	$T = 868.73'$
$R = 8,500.00'$	$R = 7,220.00'$
SE = NC	SE = NC

JOHN D GILLIS
DB 4810 PG 586

55+00

60+00



CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 8

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL
REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY
NEED TO BE INSTALLED AS DIRECTED BY THE
ENGINEER.

NOTE: U-5798A DESIGN USED IN CONJUNCTION WITH FINAL SURVEY

25A
WILLIAM K GILLIS
DB 3752 PG 333

MILLING LIMITS

U-5798A DRAINAGE

ROBERT, LEWIS GILLIS
& WIFE JUNE
MONTGOMERY
DB 6959 PG 374

JOHN DAVIS II
DAVID MILLER GILLIS
DB 8113 PG 669

BM8 ELEVATION = 216.02'
N 460221 E 1983941
BL STATION 76+96.13 228.76' RIGHT
BENCHTIE IN 36" S. GUM

FRANCIS GILLIS DINKINS
DB 2749 PG 304

BM #8

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

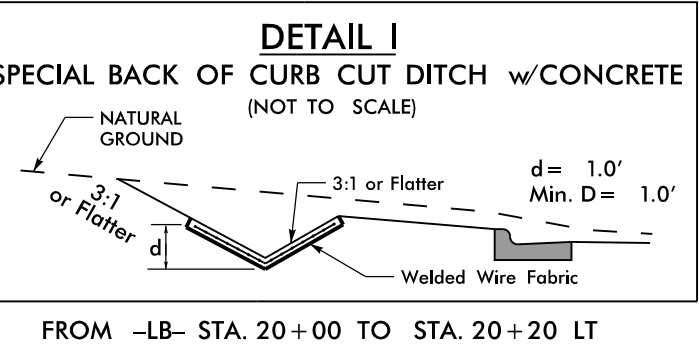
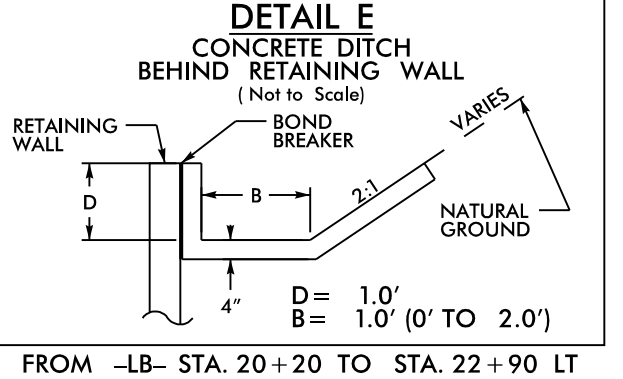
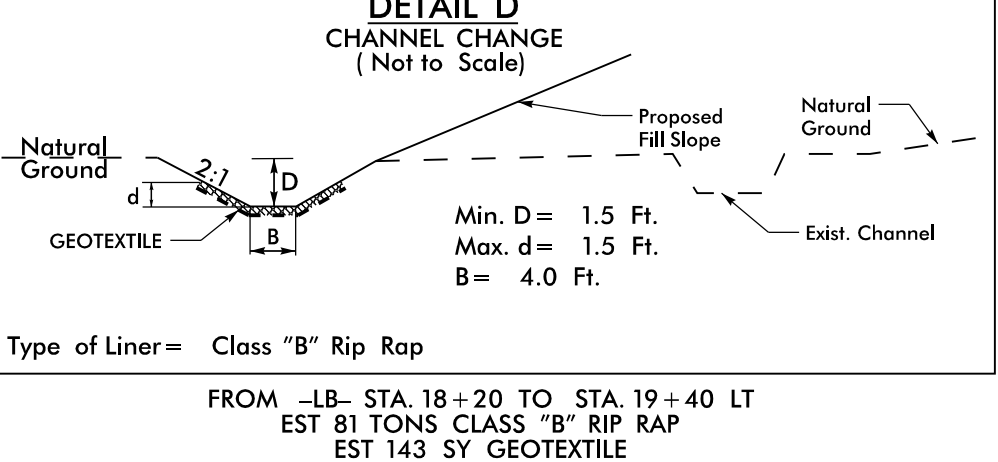
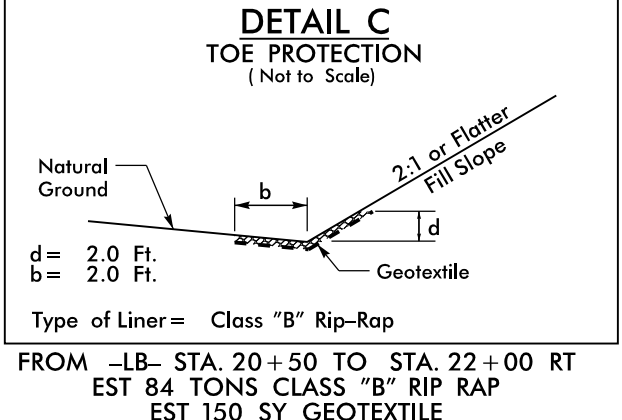
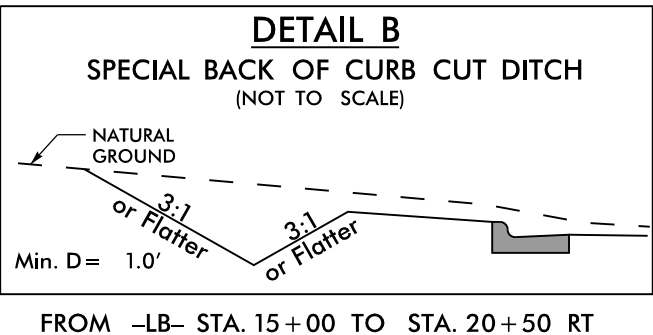
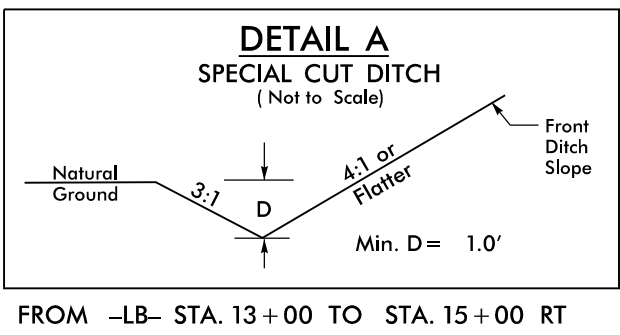
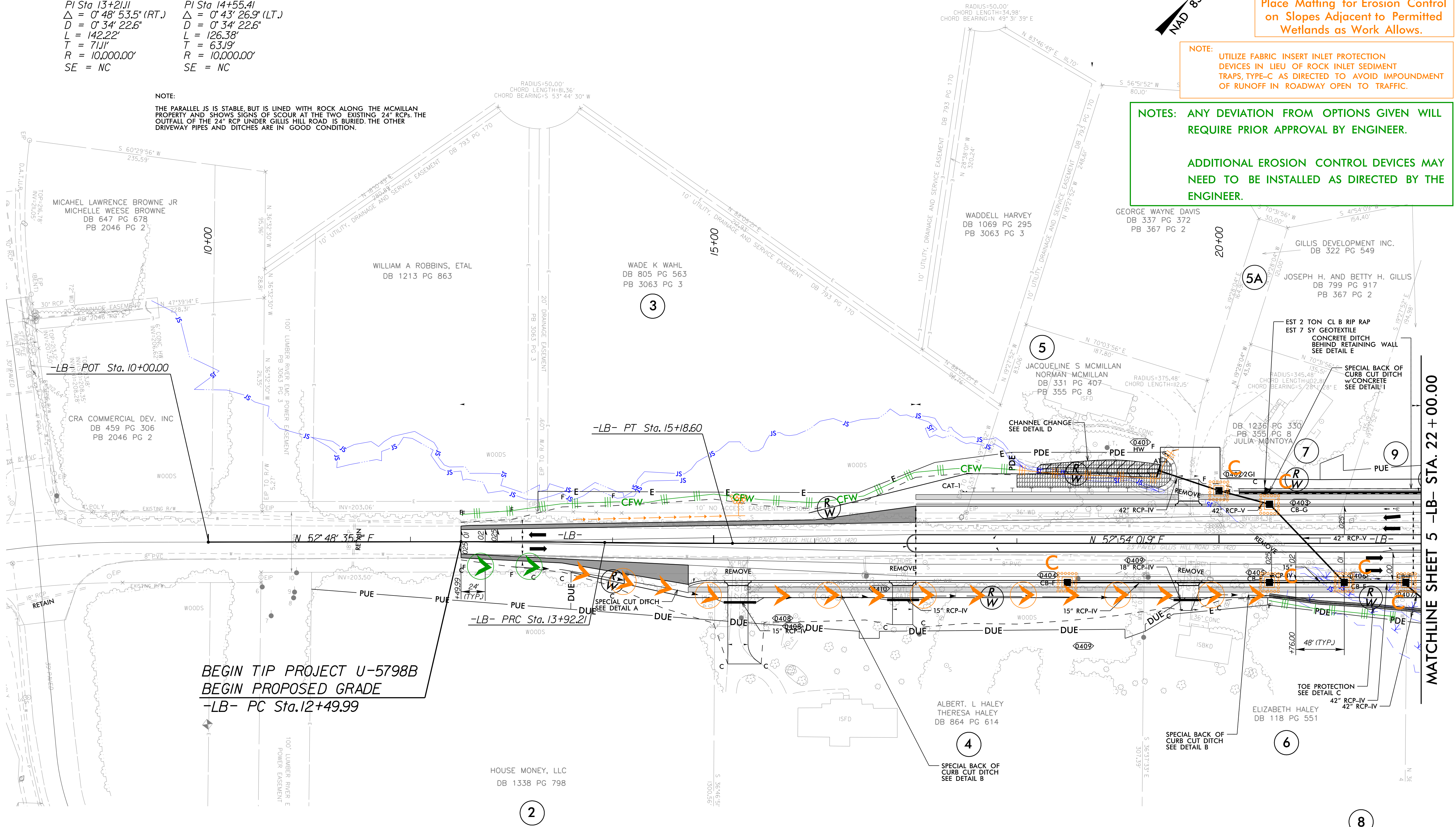
NOTE: UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

-LB- CURVE DATA	
PI Sta 13+21.11	PI Sta 14+55.41
$\Delta = 0^{\circ} 48' 53.5''$ (RT.)	$\Delta = 0^{\circ} 43' 26.9''$ (LT.)
$D = 0^{\circ} 34' 22.6''$	$D = 0^{\circ} 34' 22.6''$
$L = 142.22'$	$L = 126.38'$
$T = 71.11'$	$T = 63.19'$
$R = 10,000.00'$	$R = 10,000.00'$
SE = NC	SE = NC

NOTE: THE PARALLEL IS STABLE BUT IS LINED WITH ROCK ALONG THE MC MILLAN PROPERTY AND SHOWS SIGNS OF SCOUR AT THE TWO EXISTING 24" RCPs. THE OUTFALL OF THE 24" RCP UNDER GILLIS HILL ROAD IS BURIED. THE OTHER DRIVEWAY PIPES AND DITCHES ARE IN GOOD CONDITION.



8

MATCHLINE SHEET 5 -LB- STA. 22+00.00

8/17/99

REVISIONS

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-LB- CURVE DATA
PI Sta 27+42.62
Δ = 47° 45' 00.0" (LT.)
D = 5° 43' 46.5"
L = 833.39'
T = 442.62'
R = 1,000.00'
SE = 04
RO = 192'

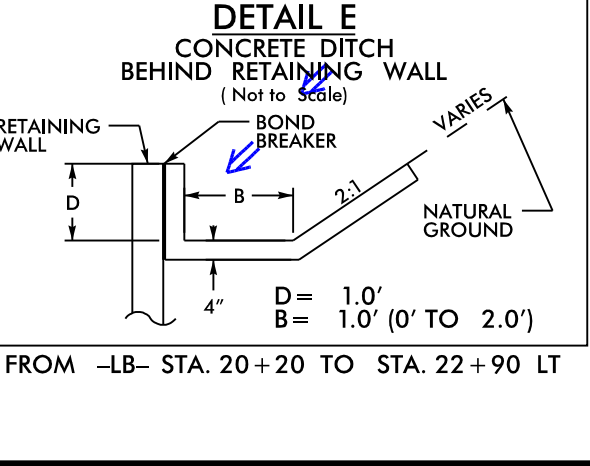
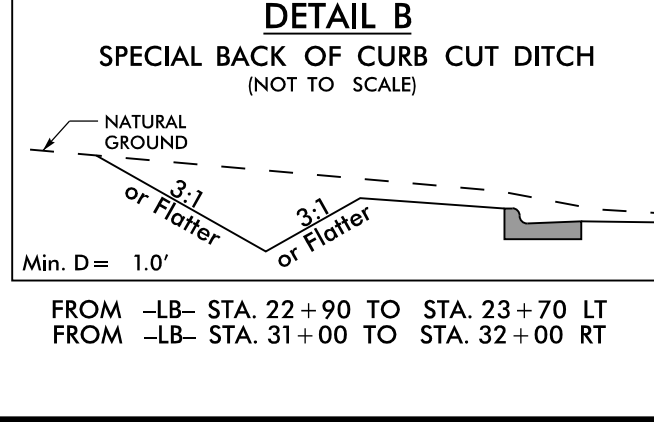
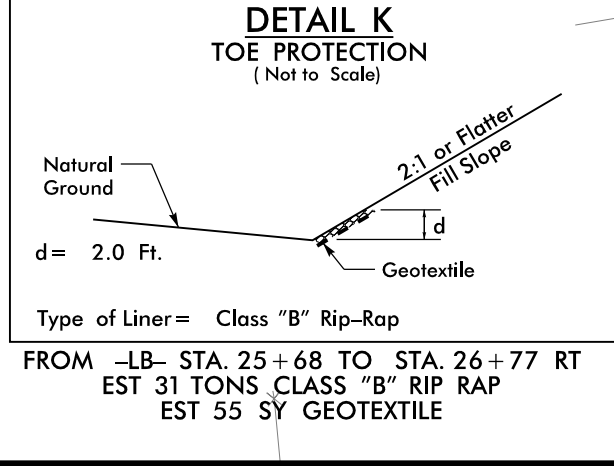
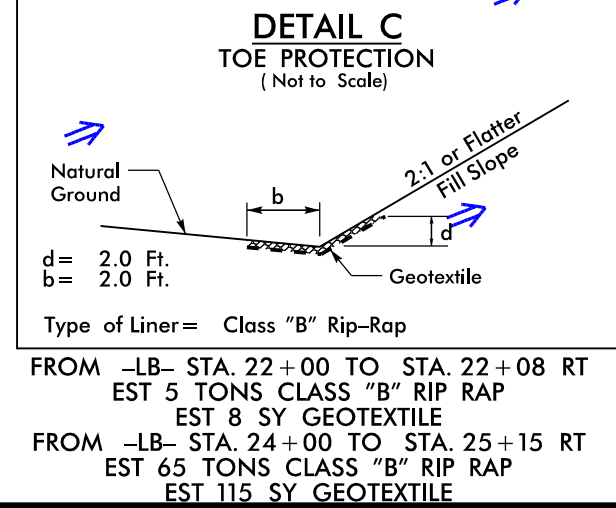
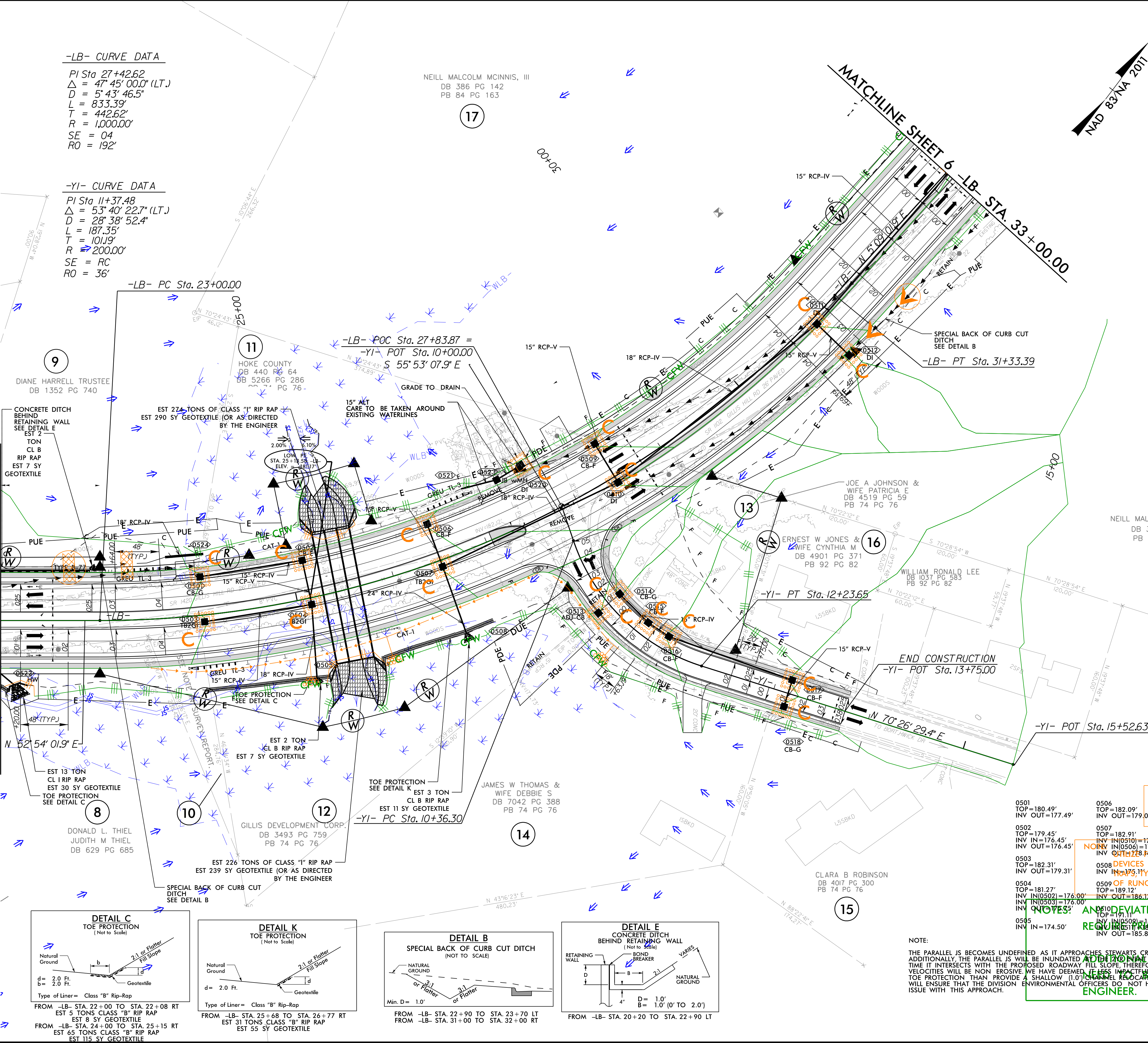
-YI- CURVE DATA
PI Sta 11+37.48
Δ = 53° 40' 22.7" (LT.)
D = 28° 38' 52.4"
L = 187.35'
T = 101.19'
R = 200.00'
SE = RC
RO = 36'

-LB- PC Sta. 23+00.00

-LB- POC Sta. 27+83.87 =
-YI- POT Sta. 10+00.00
S 55° 53' 07.9" E

MATCHLINE SHEET 6 -LB- STA. 33+00.00
-LB- PT Sta. 31+33.39

MATCHLINE SHEET 4 -LB- STA. 22+00.00



Place Matting for Erosion Control on Slopes Adjacent to Retained Wetlands at 20' Max. Above

OUTLET FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF TYPE-C AS DIRECTED BY THE ENGINEER. AVOID RUNOFF IN ROADWAY TO TRAFFIC

ADDITIONAL EROSION CONTROL DEVICES MAY BE INSTALLED AS DIRECTED BY THE ENGINEER.

NOTE: THE PARALLEL JS BECOMES UNDEFINED AS IT APPROACHES STEWARTS CREEK. ADDITIONALLY THE PARALLEL JS WILL BE INUNDATED AT HIGH FLOOD. THEREFORE VELOCITIES WILL BE NON-EROSIVE. WE HAVE DEEMED IT LESS IMPACTFUL TO USE TOE PROTECTION THAN PROVIDE A SHALLOW (1.0') CHANNEL RELOCATION BUT WILL ENSURE THAT THE DIVISION ENVIRONMENTAL OFFICERS DO NOT HAVE ANY ISSUE WITH THIS APPROACH.

Station	Top	Inv	Out
0501	180.49'	180.49'	177.49'
0502	179.45'	179.45'	176.45'
0503	182.31'	182.31'	179.31'
0504	181.27'	181.27'	178.27'
0505	174.50'	174.50'	171.50'
0506	182.09'	182.09'	179.09'
0507	182.91'	182.91'	179.91'
0508	179.45'	179.45'	176.45'
0509	189.12'	189.12'	186.12'
0510	178.58'	178.58'	175.58'
0511	202.76'	202.76'	199.76'
0512	207.42'	207.42'	204.42'
0513	187.03'	187.03'	184.03'
0514	187.33'	187.33'	184.33'
0515	185.89'	185.89'	182.89'
0516	184.10'	184.10'	181.10'
0517	194.44'	194.44'	191.44'
0518	184.65'	184.65'	181.65'
0519	183.42'	183.42'	180.42'
0520	183.77'	183.77'	180.77'
0521	183.77'	183.77'	180.77'
0522	181.65'	181.65'	178.65'
0523	181.50'	181.50'	178.50'

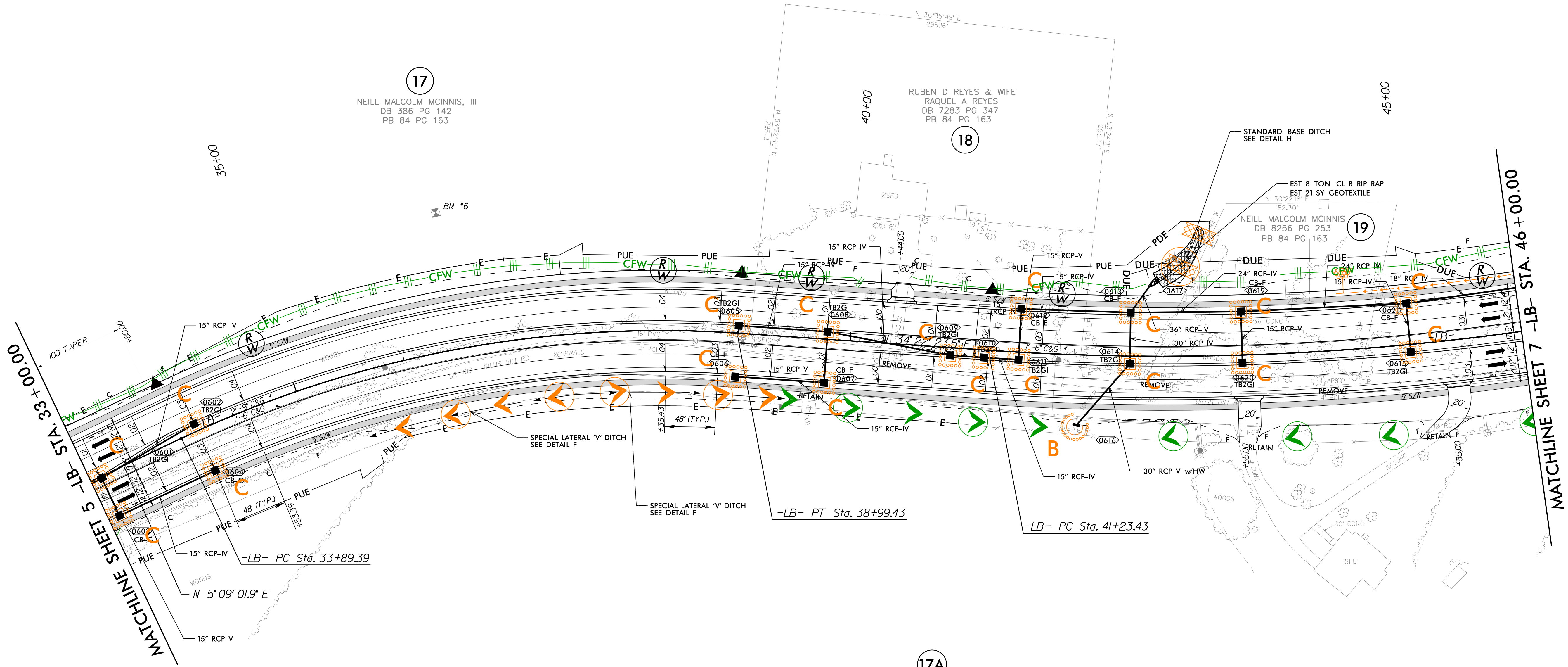
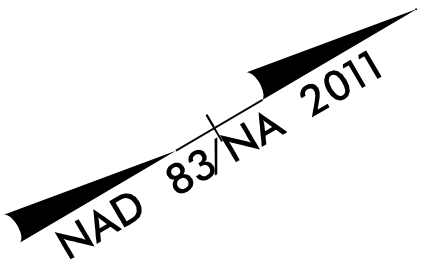
REVISIONS

8/17/99

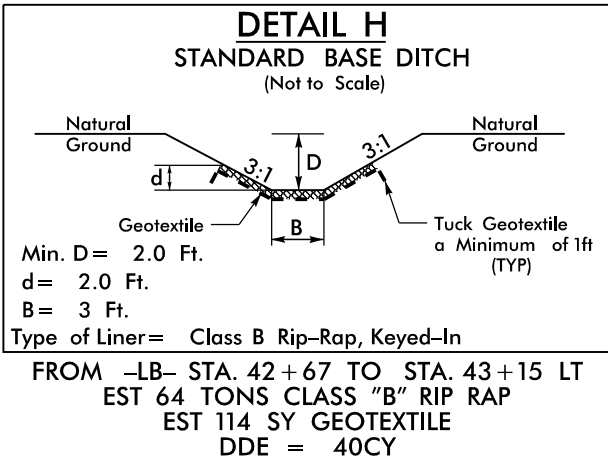
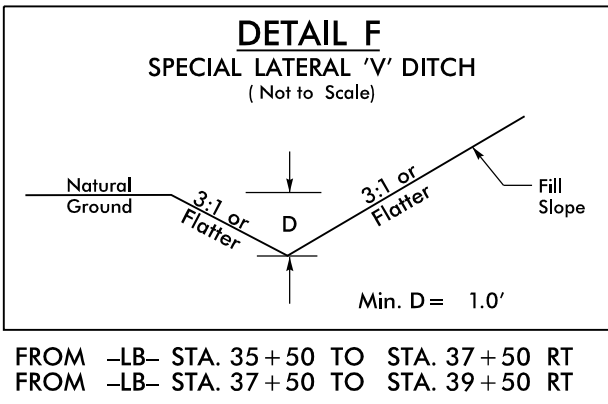
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-LB- CURVE DATA

PI Sta 36+50.09	PI Sta 46+22.93
$\Delta = 29^{\circ}13'21.6"$ (RT.)	$\Delta = 24^{\circ}30'21.9"$ (LT.)
D = 5'43'46.5"	D = 2'29'28.0"
L = 510.03'	L = 983.74'
T = 260.69'	T = 499.51'
R = 1,000.00'	R = 2,300.00'
SE = 04	SE = 03
RO = 192'	RO = 144'



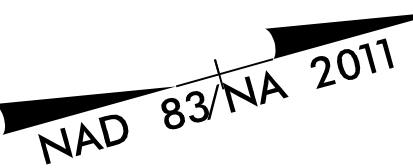
REVISIONS



NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION
DEVICES IN LIEU OF ROCK INLET SEDIMENT
TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT
OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL
REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY
NEED TO BE INSTALLED AS DIRECTED BY THE
ENGINEER.



JOHN D GILLIS
DB 4810 PG 586

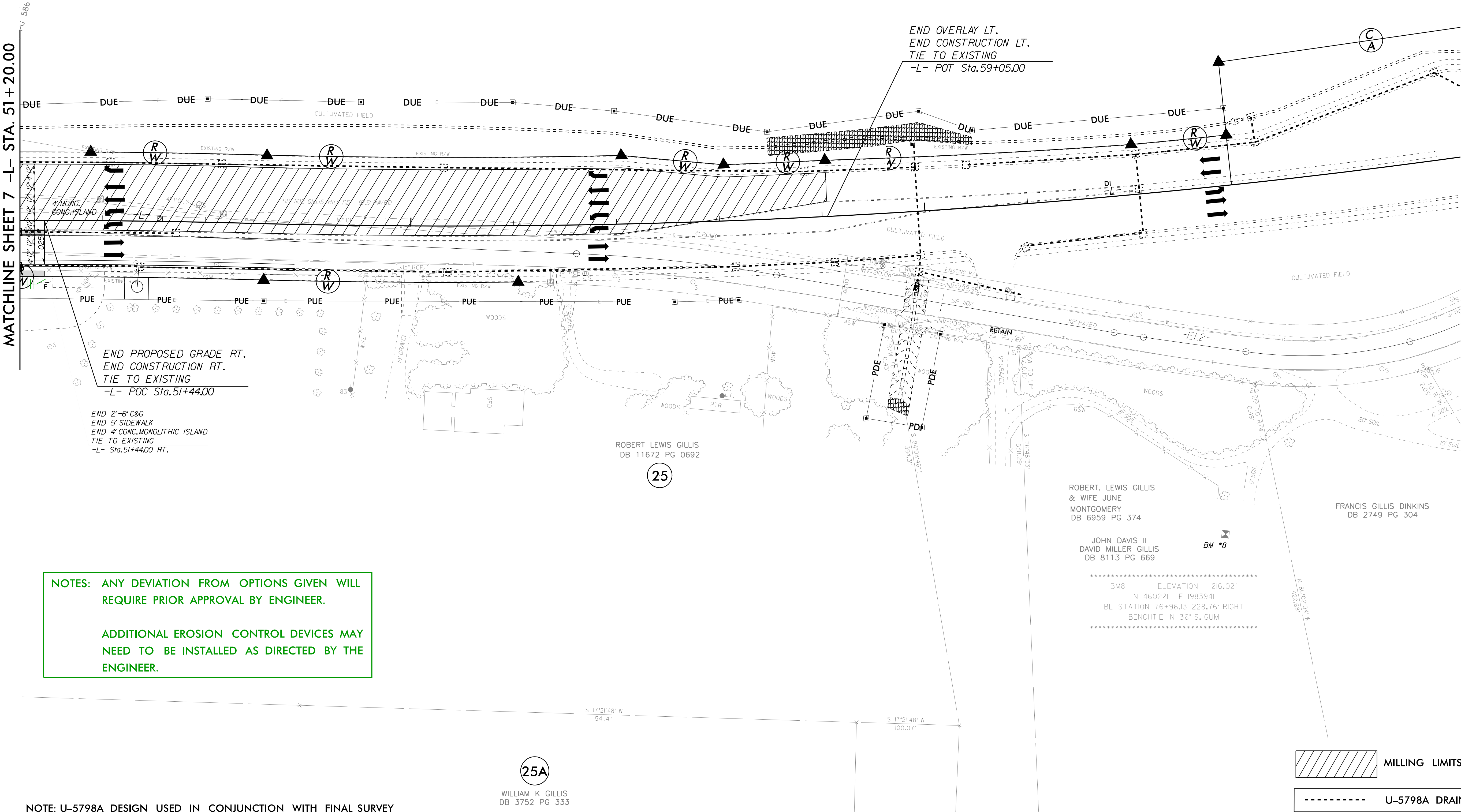
-L- CURVE DATA	
PI Sta 48+37.98	PI Sta 62+27.11
$\Delta = 7^{\circ} 01' 28.2''$ (RT)	$\Delta = 13^{\circ} 43' 19.0''$ (LT)
$D = 0^{\circ} 40' 26.6''$	$D = 0^{\circ} 47' 36.9''$
$L = 1,042.10'$	$L = 1,729.14'$
$T = 521.71'$	$T = 868.73'$
$R = 8,500.00'$	$R = 7,220.00'$
SE = NC	SE = NC

JOHN D GILLIS
DB 4810 PG 586

55+00

60+00

END OVERLAY LT.
END CONSTRUCTION LT.
TIE TO EXISTING
-L- POT Sta. 59+05.00



NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL
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ENGINEER.

NOTE: U-5798A DESIGN USED IN CONJUNCTION WITH FINAL SURVEY

25A
WILLIAM K GILLIS
DB 3752 PG 333

MILLING LIMITS

U-5798A DRAINAGE

ROBERT, LEWIS GILLIS
& WIFE JUNE
MONTGOMERY
DB 6959 PG 374

JOHN DAVIS II
DAVID MILLER GILLIS
DB 8113 PG 669

BM8 ELEVATION = 216.02'
N 460221 E 1983941
BL STATION 76+96.13 228.76' RIGHT
BENCHTIE IN 36\"/>

FRANCIS GILLIS DINKINS
DB 2749 PG 304

