ENVIRONMENTALLY SENSITIVE AREA. APPLIES TO BUFFER ZONES 1 AND 2 SEE PROJECT SPECIAL PROVISIONS

JURISDICTIONAL AREA DO NOT DISTURB

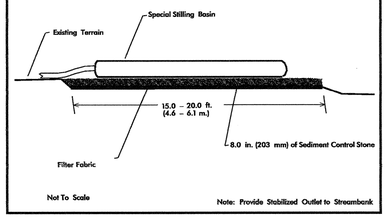
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE- II AND TEMPORARY ROCK SILT CHECKS TYPE-A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 7

NOTE: UTILIZE SPECIAL STILLING BASIN AND/OR TEMPORARY ROCK SEDIMENT DAM TYPE - II AS STILLING BASIN WHERE APPLICABLE.

NOTE: TEMPORARY SILT FENCE SHALL BE INSTALLED A MINIMUM OF 1 METER FROM TOE OF FILL IN WETLAND AREAS

SPECIAL STILLING BASIN WITH ROCK PAD



Not To Scale

Note: Provide Stabilized Outlet to Streambank

PROJECT REFERENCE NO.	SHEET NO.
R-2552AA	EC9-CONST.7
R/W SHEET NO.	9.NA.14
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R/W REV.	

MATCHLINE TO SHEET 6 -IIYI- STA. 24+40.000

MATCHLINE TO SHEET 8 -LPB- STA. 15+00.000

MATCHLINE TO SHEET 14 -IIYI- STA. 29+80.000

MATCHLINE TO SHEET 14

SITE AA6

SITE AA8

SITE AA10a

SITE AA10b

25 x 10 x 1 2.5 weir ID 7.2

25 x 10 x 1 2.5 weir ID 7.1

16 x 8 x 1 2 weir ID 7.92

25 x 10 x 1 2.5 weir ID 7.5

20 x 5 x 1 1.5 weir ID 7.7

25 x 5 x 1 2 weir ID 7.6

10 x 5 x 1 1.5 weir ID 7.3

20 x 10 x 1 2 weir ID 7.9

20 x 10 x 1 1.5 weir ID 7.91

15 x 7 x 1 1.5 weir ID 7.4

-FLYLWREV- +92.844 45.631m (149.71')

-FLYLWREV- +00.000 45.000m (147.64')

-FLYLWREV- +61.944 75.399m (247.37')

-FLYLWREV- +33.000 31.000m (101.71')

-FLYLWREV- +20.000 27.000m (88.58')

-FLYLWREV- +55.000 35.000m (114.83')

-IIYI- +20.000 68.000m (196.85')

-IIYI- +35.377 187.492m (615.13')

-IIYI- ON PL 157.455m (517.24')

-IIYI- +91.924 158.457m (519.87')

-IIYI- ON PL 190.219m (624.08')

-IIYI- POTSta.27+51.601 = -LPB- POCSta. 17+13.807

-IIYI- POTSta.28+31.359 = -FLYLEREV- POCSta.22+59.368

-LPB- STSta. 24+01.877 = -IIYI- POTSta. 24+52.748 (17.7m RET.)

-FLYLE- TSSta. 27+67.399

-FLYLE- CSSta. 26+33.245

-LPB- CSSta. 20+26.798

-FLYLEREV- CSSta. 27+24.858

-FLYLEREV- SCSta. 26+10.016

-FLYLEREV- CSSta. 25+20.816

-FLYLEREV- CSSta. 25+63.245

-FLYLE- PI Sta. 25+93.280 Δ = 47° 19' 52.4" (RT) Dg = 4° 11' 48.0" La = 94.000 Lc = 92.196 T = 50.016 R = 367.000 SE = 0.030

-FLYLE- PI Sta. 20+55.854 Δ = 47° 19' 52.4" (RT) Dg = 4° 11' 48.0" La = 94.000 Lc = 92.196 T = 50.016 R = 367.000 SE = 0.030

-FLYLEREV- PI Sta. 20+67.626 Δ = 52° 15' 43.3" (RT) Dg = 2° 51' 53.0" L = 181.867 Lc = 176.795 T = 96.977 R = 2005.000 SE = 0.033

-FLYLEREV- PI Sta. 25+76.795 Δ = 21° 51' 58.8" Dg = 10° 58' 28.2" La = 90.000 Lc = 89.480 T = 49.780 R = 522.000 SE = 0.029

-FLYLEREV- PI Sta. 26+68.608 Δ = 59° 01' 00.0" (RT) La = 114.843 Lc = 98.595 T = 62.590 R = 230.000 SE = 0.038

-FLYLEREV- PI Sta. 10+60.006 Δ = 2° 34' 41.9" Dg = 0° 39' 26.0" (RT) La = 90.000 Lc = 90.036 T = 60.036 R = 10000.000 SE = 0.030

-FLYLEREV- PI Sta. 20+18.968 Δ = 0° 30' 26.0" (RT) La = 197.185 Lc = 198.968 T = 98.598 R = 10000.000 SE = 0.005

-FLYLEREV- PI Sta. 15+69.914 Δ = 10° 47' 52.2" (RT) La = 316.798 Lc = 316.594 T = 158.894 R = 1750.000 SE = 0.013

-FLYLEREV- PI Sta. 20+86.657 Δ = 54° 19' 21.0" Dg = 32° 18' 03.9" La = 90.000 Lc = 88.960 T = 49.150 R = 177.000 SE = 32.380

-FLYLEREV- STA 22+02.832

-FLYLEREV- STA 21+94.832

-FLYLEREV- STA 24+87.200

-FLYLEREV- STA 24+80.000

-LPB- STA. 16+56.898

-LPB- STA. 16+49.698

-LPB- STA. 18+87.200

-LPB- STA. 18+80.000

-LPB- GUTTER STA 18+95.822

-LPB- GUTTER STA 15+94.171

-LPB- GUTTER STA 27+13.807

-IIYI- GUTTER STA 27+08.820

-IIYI- GUTTER STA 25+54.000

BEGIN SPECIAL GRADING -IIYI- STA 24+91.500

BEGIN EXPRESSWAY GUTTER -IIYI- STA 25+20.240

BEGIN BRIDGE -LPB- STA. 16+56.898

BEGIN APPROACH SLAB -LPB- STA. 16+49.698

BEGIN BRIDGE -FLYLEREV- STA 22+02.832

BEGIN APPROACH SLAB -FLYLEREV- STA 21+94.832

BEGIN SHOULDER BERM -LPB- GUTTER STA 15+94.171

BEGIN GUIDERAIL STA 28+35.215

END SHOULDER BERM -FLYLEREV- GUTTER STA 25+54.000

END SHOULDER BERM -LPB- GUTTER STA 18+95.822

END APPROACH SLAB -LPB- STA. 18+87.200

END BRIDGE -LPB- STA. 18+80.000 +70.440

END APPROACH SLAB -FLYLEREV- STA 24+87.200

END BRIDGE -FLYLEREV- STA 24+80.000

CABLE GUIDERAIL

IMPACT ATTENUATOR TYPE SRP-77

TYPE SRP-77

STD. BERM DITCH

90m TRANSITION

GRADE TO DRAIN

90m TAPER

50m FULL FLARE

400 CSP w/ELBOWS

PSH - 1.2 x 1.2m SEE DETAIL A

CLASS "B" RIP-RAP EST. 1.8 MTNS FILTER FABRIC EST. 5.9 SM

CLASS "A" RIP-RAP EST. 7.2 MTNS FILTER FABRIC EST. 7.2 SM

REMOVE 2CP AND PLUG PIPE

REMOVE 2CP AND 180m CONC. COLLAR .375

REMOVE 2CP AND PLUG .375

RETAIN 2CP AND .375

RETAIN 2CP AND 450

RETAIN 750

RETAIN 2CP AND 375

REMOVE 600 AND 160MC

REMOVE 2CP

SPECIAL CUT BASE DITCH SEE DETAIL I

0.6m SPECIAL CUT GRASS SWALE SEE DETAIL C

0.6m LATERAL GRASS SWALE SEE DETAIL B

1.0m TAL DITCH DDE = .080 m^3/m SLOPE = 3% SEE DETAIL J

ROCK-CHECK DAM (d = 0.6m)

CL B REPEAT

HDWL PIPE BURIED - .15m

NOTE: USE STD. DECK DRAINS (6" DIA. @ 12' CENTERS) -FLYLEREV- STA 23+20 TO 24+25. NO DECK DRAINS OVER BUFFER ZONE.

DENOTES FILL IN SURFACE WATER

DENOTES FILL IN WETLAND

DENOTES MECHANIZED CLEARING

DENOTES HAND CLEARING

DENOTES CHANNEL IMPACT (PERM)

DENOTES CHANNEL IMPACTS (TEMP)

MITIGATABLE IMPACTS ZONE 1

MITIGATABLE IMPACTS ZONE 2

ALLOWABLE IMPACTS ZONE 1

ALLOWABLE IMPACTS ZONE 2

LOCATION:	
TIP NO.:	COUNTY:
DESIGNED BY:	DATE:
CHECKED BY:	DATE: