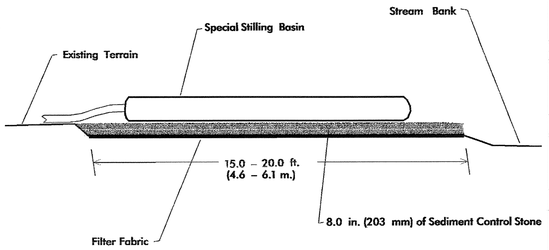
8/7/99

NOTE: UTILIZE SPECIAL STILLING BASIN OR TEMPORARY ROCK SEDIMENT DAM TYPE – B AS STILLING BASIN WHERE APPLICABLE.

SPECIAL STILLING BASIN WITH ROCK PAD



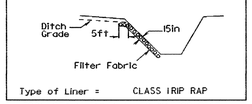
Not To Scale

Note: Provide Stabilized Outlet to Streambank

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.

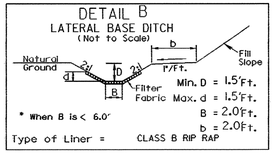
DETAIL C
RIP RAP AT EMBANKMENT
(Not to Scale)



Type of Liner = CLASS I RIP RAP

FROM STA 14+31(LT) -L- TO WATERS EDGE

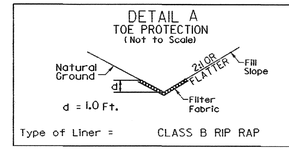
DETAIL B
LATERAL BASE DITCH
(Not to Scale)



Type of Liner = CLASS B RIP RAP

FROM STA. 13+90 -L- TO STA 14+31 -L- (LT)

DETAIL A
TOE PROTECTION
(Not to Scale)



Type of Liner = CLASS B RIP RAP

FROM STA 16+00 -L- TO STA 17+00 -L- (LT.)

PROJECT REFERENCE NO.	SHEET NO.
B-3828	EC- 4/CONST. 4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

-L-

PI Sta 16+96.01	PI Sta 19+29.55
Δ = 17° 20' 39.8" (LT)	Δ = 33° 51' 07.2" (LT)
D = 14° 19' 26.2"	D = 10° 03' 06.8"
L = 121.09'	L = 336.77'
T = 61.01'	T = 173.46'
R = 400.00'	R = 570.00'
SE = 06	
RO = 120' (SEE PLANS)	

-L- STA.10+95.00 BEGIN STATE PROJECT B-3828

-L- POTSta. 10+00.00

-L- POTSta. 21+68.78

-L- PTSta. 20+92.86

-L- PCSta. 16+35.00

-L- PCCSta. 17+56.09

-L- STA.18+00.00 END STATE PROJECT B-3828

ESTHER C. GREENE
DB 15-D PG 471
1

ROBERT S. BROWNE
& MOLLIE A. BROWNE
DB 1286 PG 295
2

DEAN V. GARDNER
& SHELIA B. GARDNER
DB 12-V PG 221
3

JUNIOR MARTIN
& MARRIE MARTIN
DB 6-D PG 320
4

16 x 7 x 3
4' weir

18 x 8 x 3
4' weir

20 x 6 x 3
4' weir

12 x 6 x 3
4' weir

10 x 5 x 3
4' weir

26 x 7 x 3
4' weir

20 x 9 x 3
4' weir

2' LATERAL BASE DITCH
SEE DETAIL "B"
EST. 23 TONS CLASS B RIP RAP
EST. 63 SY FILTER FABRIC

SEE DETAIL "C"
EST. 6 TONS CLASS I RIP RAP
EST.20 SY FILTER FABRIC
EST.20 SY DDE

TOE PROTECTION
SEE DETAIL "A"
EST. 35 TONS
CLASS B RIP RAP
EST. 105 SY FILTER
FABRIC

BEGIN BRIDGE
-L- STA.13+90.00

END BRIDGE
-L- STA.15+40.00

BEGIN SHLD.BERM GUTTER @
APPROACH SLAB Lt.
END SHLD.BERM GUTTER @
-L- Sta.16+57.25 Lt.

BEGIN SHLD.BERM GUTTER
@ -L- Sta.12+72.75 Lt.
END SHLD.BERM GUTTER @
APPROACH SLAB Lt.

BEGIN SHLD.BERM GUTTER
@ -L- Sta.12+72.75 Rt.
END SHLD.BERM GUTTER @
APPROACH SLAB Rt.

FILL EXIST.DITCH W/
55 TONS CLASS B RIP RAP

ESTABLISH VEGETATED BERM (MIN 1' HEIGHT) TO ROUTE OFF-SITE DRAINAGE AWAY FROM PROJECT AREAS

Bl.-3 PINC 9+46.47
-L- Sta. 10+00.25 15.02 L

B3828-2
-L- Sta. 17+78.87 25.63 R

BL-5
-L- Sta. 19+14.73 19.31R

-L- Sta. 13+31.42 15.47 R

N. 81° 42' 05.0" E
RR SPIKE

S05°25'(B2842"(TOTAL)
S05°41'32"W

141.25'
S47°04'56"E

S 47° 06' 08.0" E

182' BST SR-1906 COSTNER ROAD

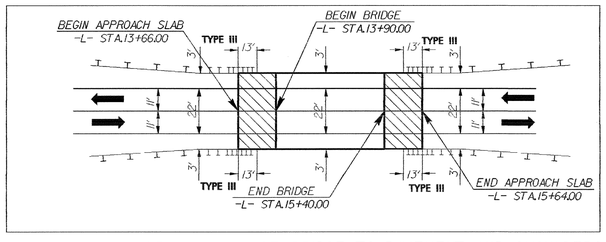
40' EXISTING R/W

3 - PRESTRESSED GIRDER BRIDGE
1 SPAN @ 70', 1 SPAN @ 80'

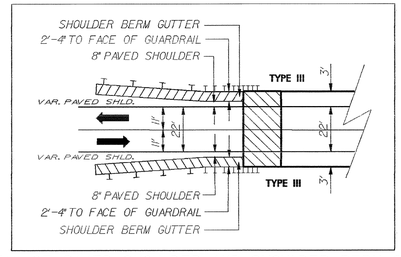
NAIL BRIDGE #233

BUFFALO CREEK

S38°10'43"W
256.76'



SKETCH SHOWING RELATIONSHIP OF BRIDGE TO PAVEMENT AND SHOULDERS



DETAIL OF PAVED SHOULDER AND SHOULDER BERM GUTTER

NOTES:

1. FOR PROFILE SEE SHEET 5
2. FOR STRUCTURE PLANS, SEE SHEET S-1 THRU S-4

11-FEB-2005 16:08
c:\revised\b3828\b3828roadway\b3828.pst
dgoodwin