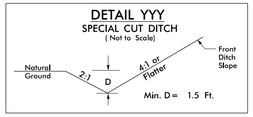
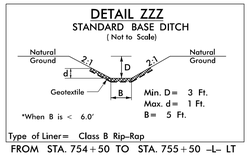
PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	EC-21/CONST.2D-3
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DETAIL YYY
SPECIAL CUT DITCH
(Not to Scale)



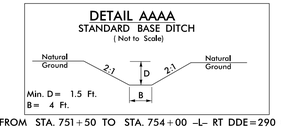
FROM STA. 17+50 TO STA. 18+25 –Y4A LT

DETAIL ZZZ
STANDARD BASE DITCH
(Not to Scale)



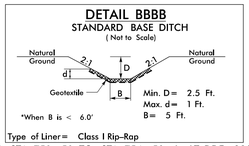
FROM STA. 754+50 TO STA. 755+50 –L– LT

DETAIL AAAA
STANDARD BASE DITCH
(Not to Scale)



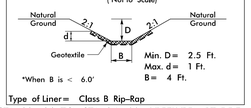
FROM STA. 751+50 TO STA. 754+00 –L– RT DDE=290 CY

DETAIL BBBB
STANDARD BASE DITCH
(Not to Scale)



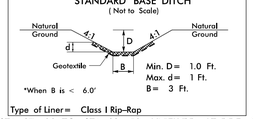
FROM STA. 750+50 TO STA. 754+50 –L– LT DDE=290 CY
FROM STA. 757+05 TO STA. 757+73 –L– LT DDE=550 CY
FROM STA. 54+58 TO STA. 54+62 –Y15FLYCA– LT DDE=97 CY

DETAIL CCCC
STANDARD BASE DITCH
(Not to Scale)



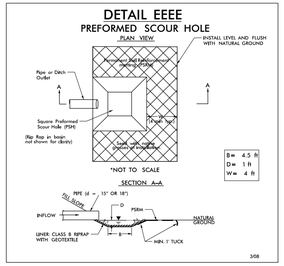
FROM STA. 83+86 TO STA. 84+00 –Y15FLYBD– RT DDE=613 CY
FROM STA. 75+61 TO STA. 75+81 –Y15REV– LT DDE=42 CY
FROM STA. 77+15 TO STA. 77+20 –Y15REV– RT DDE=55 CY

DETAIL DDDD
STANDARD BASE DITCH
(Not to Scale)

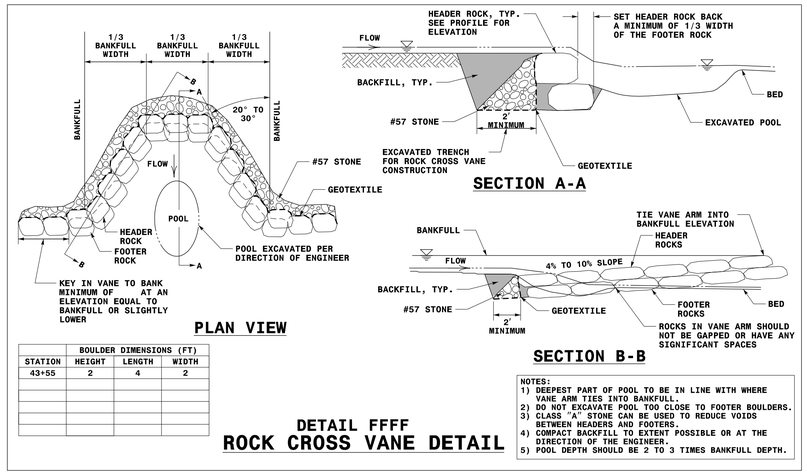


FROM STA. 67+00 TO STA. 68+50 –Y15FLYBD– LT DDE=275 C

DETAIL EEEE
PREFORMED SCOUR HOLE



FROM STA. 30+50 –Y15– LT
FROM STA. 35+00 –Y15– LT
FROM STA. 40+35 –Y15– LT
FROM STA. 50+50 –Y15– LT
FROM STA. 52+50 –Y15– LT
FROM STA. 55+50 –Y15– LT
FROM STA. 45+38 –Y15REV– RT
FROM STA. 47+32 –Y15FLYAC– LT
FROM STA. 13+58 –Y15RPA– RT
FROM STA. 13+50 –UXRPB– LT
FROM STA. 11+38 –Y15RPB– RT
FROM STA. 84+63 –Y15FLYCA– RT



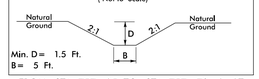
	BOULDER DIMENSIONS (FT)		
STATION	HEIGHT	LENGTH	WIDTH
43+55	2	4	2

NOTES:
1) DEEPEST PART OF POOL TO BE IN LINE WITH WHERE VANE ARM TIES INTO BANKFULL.
2) DO NOT EXCAVATE POOL TOO CLOSE TO FOOTER BOULDERS.
3) CLASS "A" STONE CAN BE USED TO REDUCE VOIDS BETWEEN HEADERS AND FOOTERS.
4) COMPACT BACKFILL TO EXTENT POSSIBLE OR AT THE DIRECTION OF THE ENGINEER.
5) POOL DEPTH SHOULD BE 2 TO 3 TIMES BANKFULL DEPTH.

DETAIL FFFF
ROCK CROSS VANE DETAIL

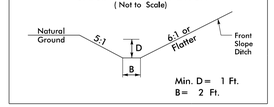
STA. 43+55 –Y15FLYCA– LT
(AS NEEDED, SEE NOTE ON SHEET 11)

DETAIL GGGG
STANDARD BASE DITCH
(Not to Scale)



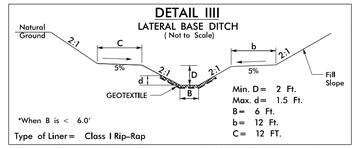
FROM STA. 757+05 TO STA. 757+73 –L– LT

DETAIL HHHH
SPECIAL CUT BASE DITCH
(Not to Scale)



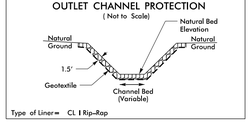
FROM STA. 39+36 TO STA. 40+00 –Y15– RT

DETAIL IIII
LATERAL BASE DITCH
(Not to Scale)



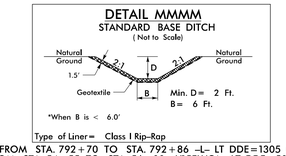
FROM STA. 30+50 TO STA. 38+50 –Y15REV– RT DDE=3900 CY

DETAIL KKKK
OUTLET CHANNEL PROTECTION
(Not to Scale)



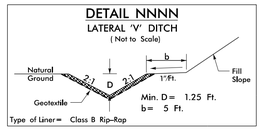
STA. 19+80 –Y5B– LT
STA. 35+55 –Y15RPDREV– LT
STA. 793+60 –L– RT
STA. 43+72 –Y15FLYCA– LT

DETAIL MMMM
STANDARD BASE DITCH
(Not to Scale)



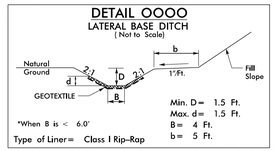
FROM STA. 792+70 TO STA. 792+86 –L– LT DDE=1305 CY
FROM STA. 54+55 TO STA. 56+00 –Y15FLYCA– LT DDE=500 CY

DETAIL NNNN
LATERAL 'V' DITCH
(Not to Scale)



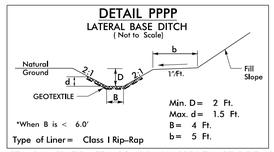
FROM STA. 36+93 TO STA. 39+40 –Y15RPDREV– RT DDE=65 CY
FROM STA. 25+67 TO STA. 28+32 –Y15RPDREV– RT DDE=1620 CY

DETAIL OOOO
LATERAL BASE DITCH
(Not to Scale)



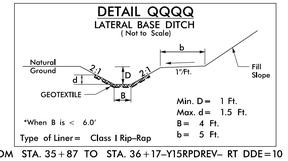
FROM STA. 26+72 TO STA. 28+32 –Y15RPDREV– RT DDE=70 CY

DETAIL PPPP
LATERAL BASE DITCH
(Not to Scale)



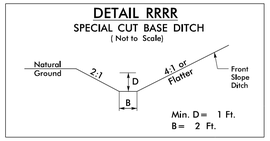
FROM STA. 25+67 TO STA. 26+72 –Y15RPDREV– RT DDE=30 CY

DETAIL QQQQ
LATERAL BASE DITCH
(Not to Scale)



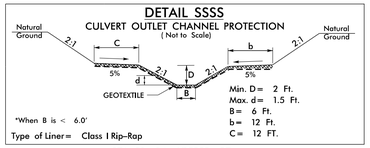
FROM STA. 35+87 TO STA. 36+17–Y15RPDREV– RT DDE=10 CY

DETAIL RRRR
SPECIAL CUT BASE DITCH
(Not to Scale)



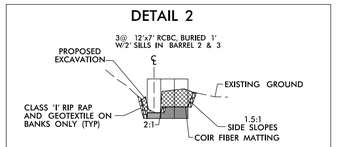
FROM STA. 794+75 TO STA. 796+75 –L– LT

DETAIL SSSS
CULVERT OUTLET CHANNEL PROTECTION
(Not to Scale)

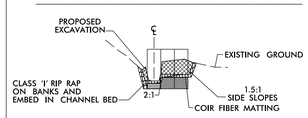


STA. 31+34 –Y15RPB– RT

DETAIL 2



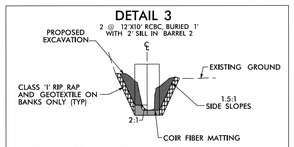
CULVERT INLET BANK STABILIZATION



CULVERT OUTLET CHANNEL PROTECTION

STA. 18+00 –Y5B– CL

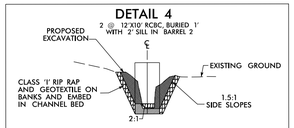
DETAIL 3



CULVERT INLET FLOODPLAIN BENCH

STA. 84+00 –Y15FLYCA– RT

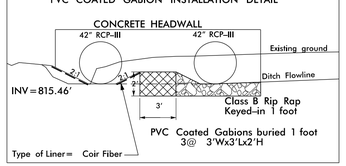
DETAIL 4



CULVERT OUTLET CHANNEL PROTECTION

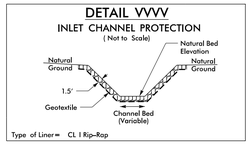
STA. 20+90 –Y15FLYBD– RT

DETAIL XXXX
PVC COATED GABION INSTALLATION DETAIL



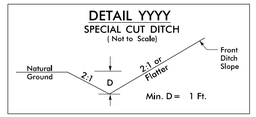
STA. 12+58 –Y15FLYCA– RT

DETAIL VVVV
INLET CHANNEL PROTECTION
(Not to Scale)



STA. 35+55 –Y15RPDREV– RT

DETAIL YYYY
SPECIAL CUT DITCH
(Not to Scale)



FROM STA. 152+55 TO STA. 154+50 –Y15– RT