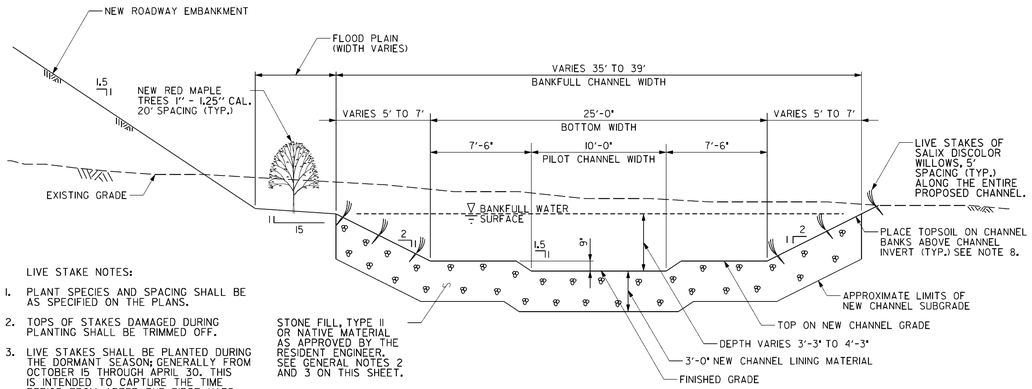


TYPICAL CHANNEL CROSS SECTION DETAIL

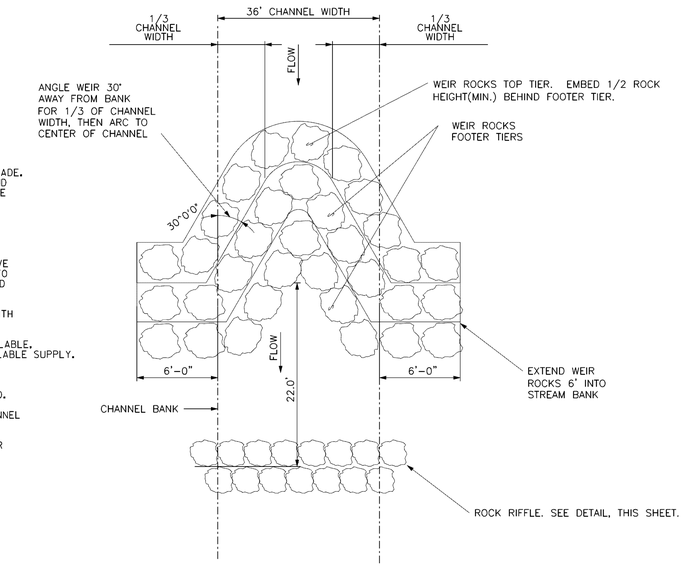
NOT TO SCALE

LIVE STAKE NOTES:

1. PLANT SPECIES AND SPACING SHALL BE AS SPECIFIED ON THE PLANS.
2. TOPS OF STAKES DAMAGED DURING PLANTING SHALL BE TRIMMED OFF.
3. LIVE STAKES SHALL BE PLANTED DURING THE DORMANT SEASON; GENERALLY FROM OCTOBER 15 THROUGH APRIL 30. THIS IS INTENDED TO CAPTURE THE TIME PERIOD FROM AFTER THE FIRST HARD FROST AND LEAF DROP IN LATE FALL BEFORE THE GROUND FREEZES TO BEFORE BUD SWELL IN EARLY SPRING. CUTTINGS MAY BE PLANTED AS SOON AS THE GROUND THAWS. THE SPRING PLANTING DATE MAY BE EXTENDED TO THE END OF MAY IF CUTTINGS HAVE BEEN IN COLD STORAGE. THE RESIDENT ENGINEER MAY ALTER PLANTING DATES.

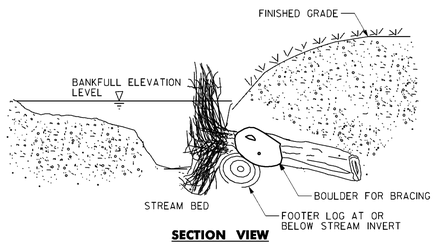
GENERAL NOTES:

1. SECTION DRAWN LOOKING UPSTREAM.
2. THE CONTRACTOR SHALL EXCAVATE TO TOP OF NEW CHANNEL GRADE. THE RESIDENT ENGINEER SHALL THEN INSPECT THAT MATERIAL AND DETERMINE IF THE EXPOSED MATERIAL AND THE UNDERLYING THREE FEET IS SUITABLE AS CHANNEL LINING.
3. IF THE RESIDENT ENGINEER DETERMINES THAT THE MATERIAL IS SUITABLE, THEN INSTALLATION OF NEW CHANNEL LINING MAY NOT BE NECESSARY.
4. IF THE RESIDENT ENGINEER DETERMINES THAT THE EXPOSED NATIVE MATERIAL IS NOT SUITABLE, THE CONTRACTOR SHALL EXCAVATE TO LIMITS OF NEW CHANNEL SUBGRADE AS SHOWN ON THE PLANS AND INSTALL 3'-0" THICKNESS OF NEW CHANNEL LINING.
5. THE NEW CHANNEL LINING SHALL CONSIST OF NATIVE MATERIAL WITH DIMENSIONS EQUAL TO OR GREATER THAN TYPE II STONE FILL.
6. IF ADEQUATE VOLUME OF EXISTING NATIVE MATERIAL IS NOT AVAILABLE, THEN TYPE II STONE FILL SHALL BE USED TO AUGMENT THE AVAILABLE SUPPLY.
7. THE NEW CHANNEL LINING MATERIAL SHALL HAVE A GRADATION APPROXIMATELY EQUAL TO THE EXISTING CHANNEL LINING TO ENSURE THAT VOID SPACES BETWEEN LARGER STONES ARE FILLED.
8. CONTRACTOR TO PLACE TOPSOIL ON CHANNEL BANKS ABOVE CHANNEL INVERT TO CONCEAL CHANNEL LINING MATERIAL AND FACILITATE REVEGETATION. CONTRACTOR RESPONSIBLE FOR FILLING VOIDS IN RIPRAP WITH GRANULAR MATERIAL TO REDUCE THE POTENTIAL FOR THE TOPSOIL TO BE WASHED INTO THE STONE

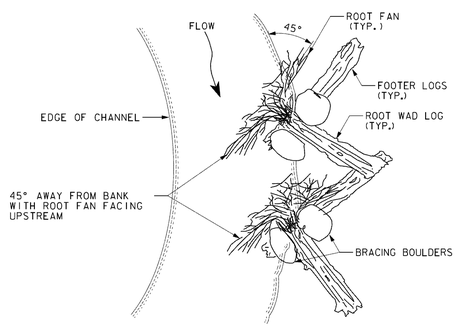


GRADE CONTROL WEIR - PLAN VIEW

NOT TO SCALE



SECTION VIEW



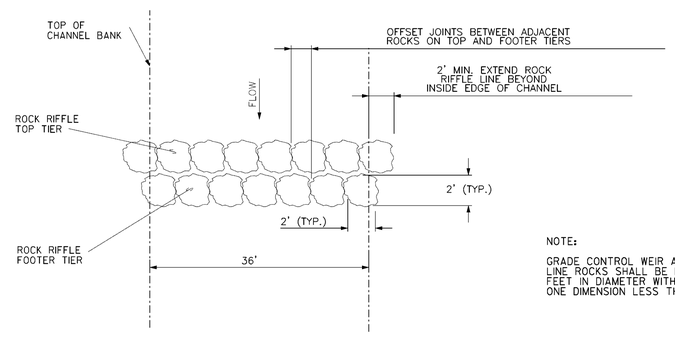
PLAN VIEW

ROOT WAD REVETMENT DETAIL

STATIONS 134+00 AND 135+00

NOTES:

1. ROOT WAD REVETMENTS SHALL BE INSTALLED IN PAIRS (AS SHOWN) AT STATION 134+00 AND 135+00.
2. LOGS SHALL BE 10 FEET LONG (MIN.) AND 1.5 TO 2.0 FEET IN DIAMETER.
3. ROOT WAD FANS SHALL BE 5.0 FEET (MIN.) IN DIAMETER.
4. BRACING BOULDERS SHALL BE 2.0 FEET (MIN.) IN DIAMETER.

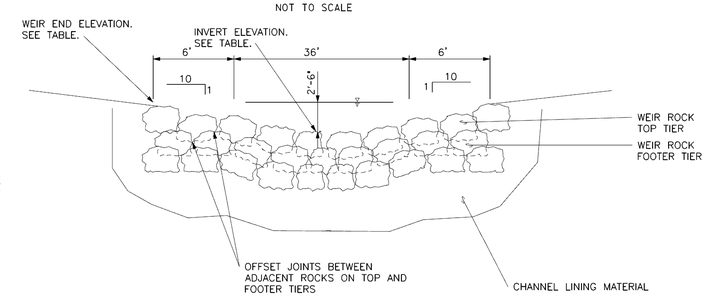


ROCK RIFFLE LINE DETAIL - PLAN VIEW

NOT TO SCALE

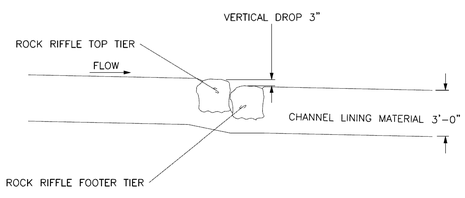
NOTE:

GRADE CONTROL WEIR AND ROCK RIFFLE LINE ROCKS SHALL BE 1.5 FEET TO 3.0 FEET IN DIAMETER WITH NO MORE THAN ONE DIMENSION LESS THAN 2.0 FEET.



GRADE CONTROL WEIR - ELEVATION VIEW

NOT TO SCALE

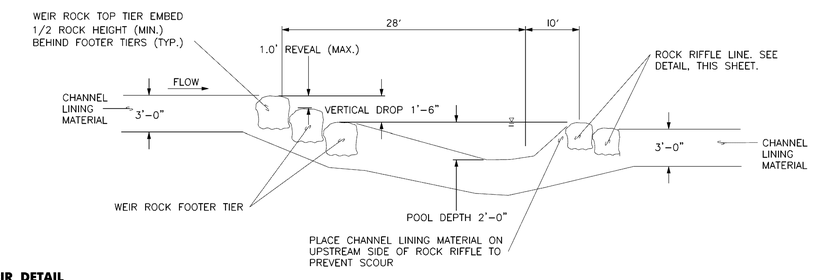


ROCK RIFFLE LINE DETAIL - PROFILE VIEW

NOT TO SCALE

GRADE CONTROL WEIR DETAIL

STATIONS 134+50 AND 135+50



GRADE CONTROL WEIR - PROFILE VIEW

NOT TO SCALE

ELEVATION TABLE:

	INVERT	WEIR END
WEIR 1 @ STA. 134+50	1126.9'	1129.5'
WEIR 2 @ STA. 135+50	1130.4'	1132.8'

PLOTTED 6/23/2009

NO.	DATE	REVISIONS	BY	CK'D

DuBois & King inc.
engineering planning management development

STATE OF VERMONT
AGENCY OF TRANSPORTATION
CABOT-DANVILLE F028-3(26)
U.S. ROUTE 2 IMPROVEMENTS
CHANNEL RELOCATION

DETAILS

DRAWN BY ASJ	DATE JUNE 2009
CHECKED BY	PROJ. NO. R16413
PROJ. ENG. MTM	DRAW. NO. -

SHEET 81 OF 250