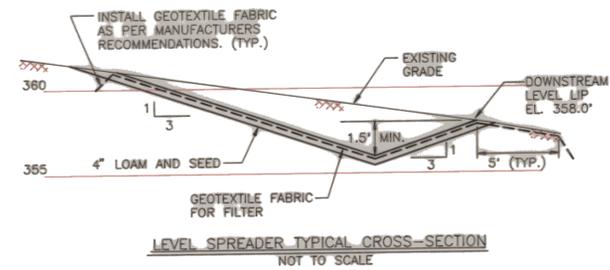
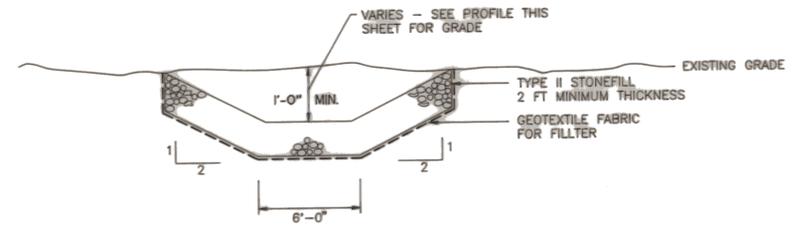


PRINCIPLE OUTLET CHANNEL PROFILE
SCALE: 1"=10'



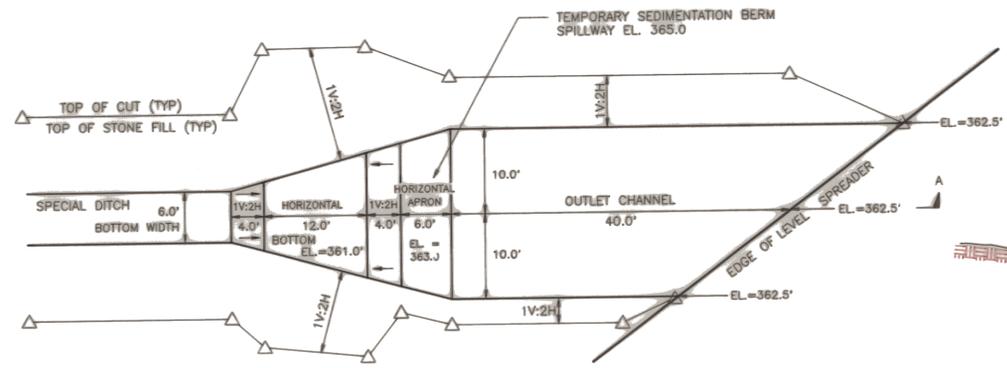
LEVEL SPREADER TYPICAL CROSS-SECTION
NOT TO SCALE



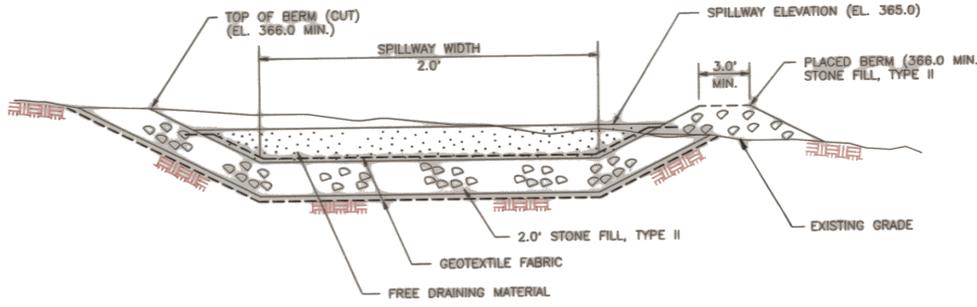
PRINCIPLE SPILLWAY OUTLET CHANNEL TYPICAL CROSS-SECTION
SCALE: 1"=5'

CONSTRUCTION AND EROSION CONTROL NOTES

- THE CVRR WETLAND SITE SHALL BE CONSTRUCTED IN 2 PHASES OVER A 2 YEAR PERIOD. CONSTRUCTION OF THE SITE SHALL BEGIN PRIOR TO, OR COMMENCING WITH, MAIN LINE CONSTRUCTION BETWEEN STA. 433+52 AND 536+40. THE PURPOSE OF THE PHASED CONSTRUCTION IS TO ALLOW STABILIZATION OF THE WETLAND SITE PRIOR TO THE DIVERSION OF OFF-SITE RUNOFF INTO THE AREA.
 - PHASE I SHALL BE COMPLETED DURING THE FIRST YEAR OF MAIN LINE HIGHWAY CONSTRUCTION. PHASE I SHALL CONSIST OF CONSTRUCTING THE LEVEL SPREADER, THE MARSH, TEMPORARY SEDIMENTATION BASIN, ALL ASSOCIATED EARTH WORK, TREES AND SHRUBS AND SEEDING OF DISTURBED AREAS. (REFER TO SHEET WM 101 LANDSCAPE QUANTITY SHEET, FOR REQUIRED SEED MIX). PHASE I CONSTRUCTION SHALL BE PERFORMED DURING THE DRY SEASON (JULY-AUGUST). ALL SEEDING AND PLANTING (EXCEPT PHASE II WORK) SHALL BE COMPLETED BY OCTOBER 15, UNLESS OTHERWISE APPROVED BY ENGINEER.
 - PHASE II SHALL BE COMPLETED DURING THE SPRING OF THE FOLLOWING YEAR. PHASE II SHALL CONSIST OF INSTALLING ALL WETLAND PLANT SPECIES AND ANY REGRADING AND RESEEDING AS DIRECTED BY ENGINEER. ALL PLANTING WORK (INCLUDING PHASE I TREES, SHRUBS AND SEEDING) SHALL BE IN ACCORDANCE WITH SPECIFICATIONS OF SHEET WM 101 LANDSCAPE QUANTITY SHEET.
 - THE CONTRACTOR CAN SUBMIT AN ALTERNATE CONSTRUCTION SCHEDULE FOR THE PHASED WORK TO THE ENGINEER FOR REVIEW AND APPROVAL.
- CONTRACTOR SHALL ENCLOSE ARCHAEOLOGICAL SITE AREAS WITH SILT FENCE PRIOR TO CONSTRUCTION, AS APPROVED BY ENGINEER. NO CONSTRUCTION ACTIVITY SHALL OCCUR WITHIN THE ENCLOSED AREAS SEE SHEET WM 101.
- TEMPORARY EROSION CONTROL MEASURES ARE REQUIRED THROUGHOUT THE CONSTRUCTION PERIOD AND MUST BE MAINTAINED UNTIL SEEDING AND OTHER PERMANENT EROSION CONTROL MEASURES HAVE BEEN ESTABLISHED. ALL EROSION AND SILTATION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE VERMONT AGENCY OF TRANSPORTATION STANDARDS. SITE PLAN WM 102 INDICATES MINIMUM EROSION CONTROL METHODS.
- THE TEMPORARY SEDIMENTATION BASIN SHALL BE MAINTAINED UNTIL ALL UPSTREAM PERMANENT EROSION CONTROL MEASURES HAVE BEEN ESTABLISHED. UPON ESTABLISHMENT OF THESE MEASURES, AND AS DIRECTED BY THE ENGINEER, ACCUMULATED SEDIMENTATION AND THE TEMPORARY BERM SHALL BE REMOVED.
- ALL STRIPPED TOPSOIL SHALL BE STOCKPILED ON-SITE AND REUSED. TOPSOIL STOCKPILE TIME SHALL NOT EXCEED 8 WEEKS. TOPSOIL SHALL BE REPLACED IN THE FOLLOWING MANNER: i) PLACE AND SPREAD A MINIMUM OF 6" OF TOPSOIL WITHIN THE LIMITS OF THE MARSH, FROM ELEVATION 342.0 TO 338.0; ii) PLACE AND SPREAD A MINIMUM OF 4" OF TOPSOIL IN ALL OTHER DISTURBED AREAS. SILT FENCES SHALL BE INSTALLED ALONG THE TOE OF SLOPE OF ALL STOCKPILED TOPSOIL.
- EXCESS MATERIAL SHALL NOT BE DISPOSED OF WITHIN THE CVRR WETLAND AREA. (AREA BOUNDED BY CVRR RAILROAD, RAMP A AND MAINLINE, SOUTHERN PROPERTY LINE, AND THE FIELD EAST OF THE LEVEL SPREADER.)
- ALL TOPSOIL STRIPPING, STOCKPILING AND REPLACEMENT SHALL BE PAID FOR UNDER ITEM 203.15, COMMON EXCAVATION.
- THE TEMPORARY SEDIMENTATION BERM MATERIALS (FREE DRAINING STONE, GEOTEXTILE FABRIC, ECT) SHALL BE PAID FOR UNDER ITEM 613.11, STONEFILL TYPE II.

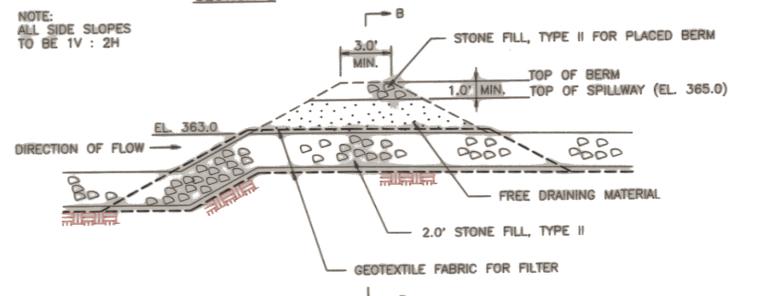


ENERGY DISSIPATOR PLAN
SCALE: 1"=10'

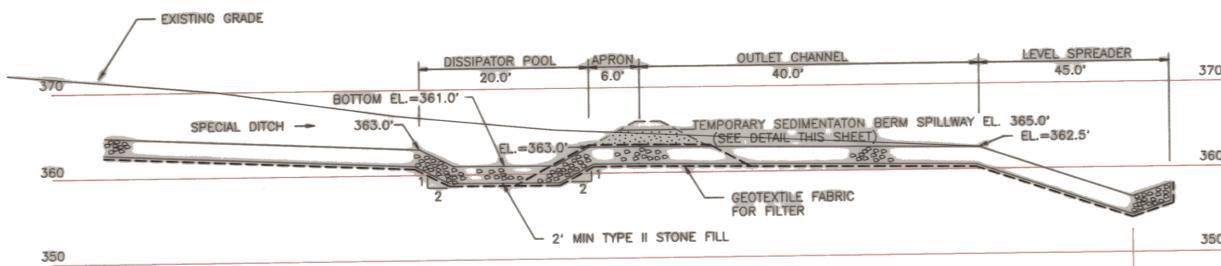


SECTION B

NOTE:
ALL SIDE SLOPES
TO BE 1V : 2H



TEMPORARY SEDIMENTATION SPILLWAY DETAIL
NOT TO SCALE



TEMPORARY SEDIMENTATION BASIN / ENERGY DISSIPATOR PROFILE A-A
SCALE: 1"=10'

LEVEL SPREADER
INV. = 356.5'

DATUM

VERTICAL	NGVD 1927
HORIZONTAL	YSCP

GRADATION TABLE		
	STEVE DESIGNATION	PERCENT BY WEIGHT
FREE DRAINING MATERIAL, DENSE GRADED CRUSHED STONE (MODIFIED)	1 INCH	100
	3/4 INCH	90-100
	3/8 INCH	20-55
	NO. 4 NO. 8	0-10 0-5



CHITTENDEN COUNTY
CIRCUMFERENTIAL HIGHWAY
VERMONT ROUTE 289
WILLISTON-COLCHESTER PB 033-1(2)
CVRR WETLAND DETAILS & NOTES

DRAWN BY TJD	DATE APRIL 1991
CHECKED BY <i>[Signature]</i>	PROJ. NO. R11304PC
PROJ. ENG. <i>[Signature]</i>	DRAW. NO. 7569
SHEET 385 OF 400 WM 105	