CONSTRUCTION NOTES

GENERAL NOTES

- 1. ALL ITEMS SHALL BE CONSTRUCTED TO THE DIMENSIONS AND ELEVATIONS SHOWN ON THE DRAWINGS. ANY CHANGES SHALL BE APPROVED BY THE NRCS REPRESENTATIVE ON SITE.
- 2. ALL PERMITS, EASEMENTS, AND RIGHTS OF WAY ARE THE RESPONSIBILITY OF THE LANDOWNER.
- THE CULVERT CROSSING SHALL BE INSTALLED IN ACCORDANCE WITH THE VERMONT AGENCY OF 3. NATURAL RESOURCES DEPARTMENT OF ENVIRONMENTAL CONSERVATION STREAM ALTERATION RULES AND REGULATIONS.
- 4. IT IS THE EXCAVATION CONTRACTORS RESPONSIBILITY TO CALL "DIG SAFE" AND TO COMPLY WITH ALL VERMONT LAWS AND REGULATIONS REGARDING THE LOCATION AND WORK AROUND UNDERGROUND UTILITIES. DIG SAFE (888) 344-7233.
- ALL CONSTRUCTION ACTIVITIES SHALL BE DONE IN A MANNER THAT MINIMIZES SEDIMENT FROM ENTERING ANY WATER BODIES, INCLUDING DRAINAGE WAYS, SEE VT D.E.C. SEDIMENT AND EROSION CONTROL HANDBOOKS.
- 6. IF THE CHANNEL HAS FLOWING WATER. THE FLOW SHALL BE DIVERTED WITH SAND BAGS OR OTHER METHOD TO ALLOW WORK WITHIN THE BED OF THE CHANNEL TO MINIMIZE POLLUTION.
- 7. CONSTRUCTION MAY NOT BEGIN UNTIL THE CONTRACTOR, LANDOWNER, AND NRCS HAVE A PRE-CONSTRUCTION MEETING IN ORDER TO DISCUSS THE DETAILS OF THE PROJECT.
- 8. IT SHALL BE THE CONTRACTOR'S AND LANDOWNER'S RESPONSIBILITY TO NOTIFY NRCS AT LEAST TWO DAYS IN ADVANCE OF:
 - A. START OF CONSTRUCTION.

EARTHWORK NOTES:

- 9. TOPSOIL SHALL BE STRIPPED AND STOCKPILED FOR LATER USE. THE AREA SHALL BE CLEARED OF ALL DEBRIS, MANURE AND OTHER ORGANIC MATERIAL PRIOR TO THE START OF CONSTRUCTION.
- 10. IF MORE THAN ONE WIDTH OF GEOTEXTILE IS REQUIRED, OVERLAP SHALL BE A MINIMUM OF 24 INCHES. TEARS IN THE GEOTEXTILE SHALL BE REPAIRED IMMEDIATELY.
- 11. ANCHOR PINS SHALL BE PLACED THROUGH THE GEOTEXTILE AND COMPLETELY INTO THE SOIL APPROXIMATELY EVERY 3 FEET. PINS CAN BE MADE OF 8 GAUGE (MIN) WIRE OR #3 REBAR. PINS SHOULD BE SHARPENED AND CARE TAKEN NOT TO RIP OR TEAR THE FABRIC DURING INSTALLATION.
- 12. BASE MATERIAL SHALL BE HARD, BLASTED, ANGULAR ROCK. ROCK SHALL NOT BE SERPENTINE ROCK (CONTAINING THE FIBROUS VARIETY OF CHRYSOTILE OR ASBESTOS).
- 13. A MINIMUM OF 6" OF BASE MATERIAL SHALL BE PLACED AND COMPACTED ON THE GEOTEXTILE BEFORE PLACEMENT OF THE SURFACING MATERIAL (SEE DETAILS SHEET FOR DESIGN THICKNESS OF BASE MATERIAL).
- 14. A MINIMUM OF 2 INCHES OF SURFACING MATERIAL SHALL BE PLACED OVER THE BASE MATERIAL. SURFACING MATERIAL SHALL BE CRUSHED STONE, GRAVEL, OR SLAG. FINE MATERIAL MAY BE ADDED TO THE SURFACING MATERIAL TO ALLOW BETTER COMPACTION AND PROVIDE A MORE COMFORTABLE SURFACE FOR LIVESTOCK TO WALK OVER.
- 15. WHERE NOT SPECIFIED IN THE DETAILS, COMPACTION SHALL BE ACCOMPLISHED BY THE ROUTING OF CONSTRUCTION EQUIPMENT OVER THE FILL WITH NOT LESS THAN 2 PASSES OF THE CONSTRUCTION EQUIPMENT. ONE "PASS" SHALL BE CONSIDERED SUCH THAT THE ENTIRE SURFACE OF EACH LAYER WILL BE TRAVERSED BY NOT LESS THAN 1 TRACK OF THE CONSTRUCTION EQUIPMENT.

FINISH WORK NOTES:

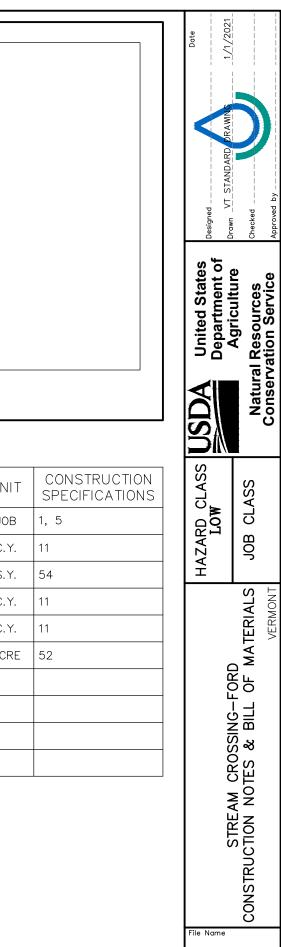
16. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE SEEDED AND MULCHED ACCORDING TO CONSTRUCTION SPECIFICATION #52.

LOCATION MAP SCALE: _____

BILL OF MATERIALS

ITEM #	ITEM	QUANTITY	UNIT	CONSTRUCTION SPECIFICATIONS
1.	SITE PREPARATION	FOR	JOB	1, 5
2.	EXCAVATION		C.Y.	11
3.	GEOTEXTILE		S.Y.	54
4.	" MINUS QUARRY ROCK		C.Y.	11
5.	SURFACING MATERIAL		C.Y.	11
6.	SEEDING & MULCHING		ACRE	52



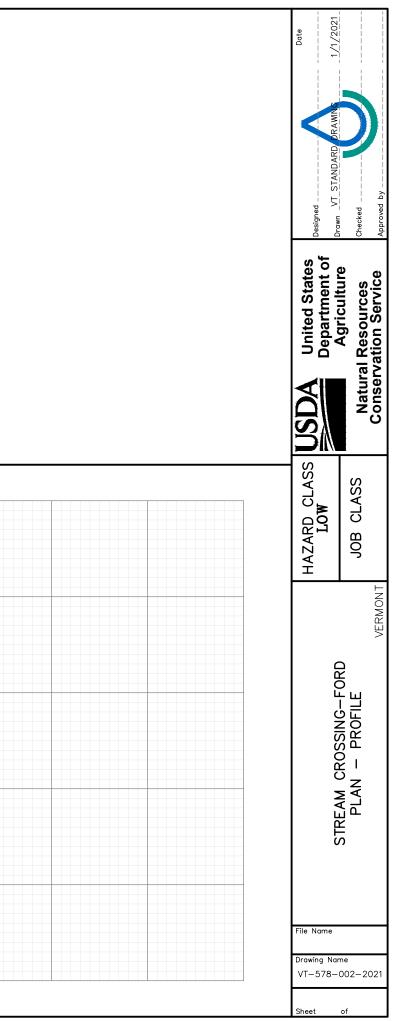






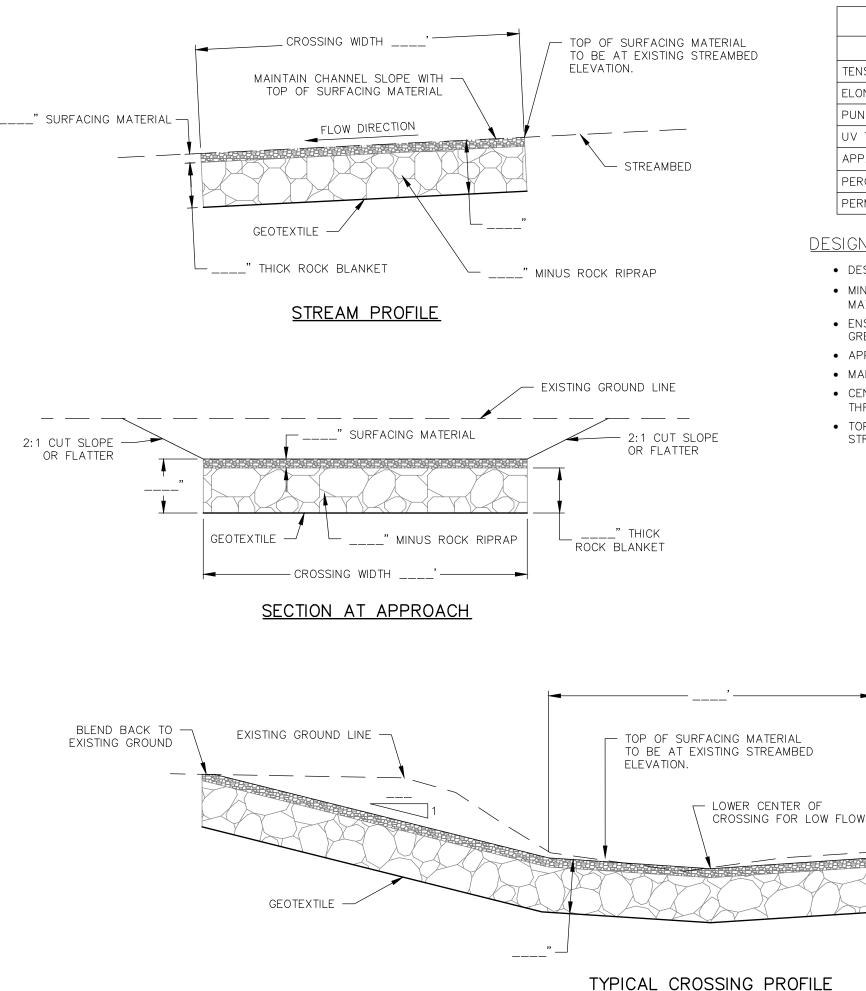
Drawing Name VT-578-002-2021

	PLAN VIEW
PROFILE:	





Date Designed	Checked
USDA United States Department of	Agriculture Natural Resources Conservation Service
HAZARD CLASS USE	JOB CLASS
	CROSS SECTIONS
File Name Drawing Na VT—578— Sheet	me 002-2021 of



CLASS IV GEOTEXTILE PR PROPERTY WOVEN TENSILE STRENGTH 180 LBS MI ELONGATION < 50 PUNCTURE 60 LBS MI UV TEST 70 % MIN APPARENT OPENING SIZE (AOS) > 0.212 mm PERCENT OPEN AREA 1.0 MIN

DESIGN NOTES:

PERMITTIVITY

- DESIGN CROSSING FOR 10 YEAR 24 HOUR STORM.
- MINIMUM WIDTH FOR CROSSINGS SHALL BE 6' FOR CATTLE ONLY AND THE MAXIMUM WIDTH SHALL BE 30'.
- ENSURE THAT THE CROSS-SECTIONAL AREA OF THE CROSSING IS EQUAL TO OR GREATER THAN THE NATURAL CROSS-SECTIONAL AREA.
- APPROACH SLOPES SHALL NOT EXCEED 4:1.
- MAINTAIN CHANNEL SLOPE WITH TOP OF SURFACING MATERIAL.
- CENTER OF CHANNEL SHALL BE LOWERED TO ALLOW LOW FLOW WATER THROUGH THE "THALWEG".
- TOP OF SURFACING MATERIAL SHALL BE NO HIGHER THAN THE EXISTING STREAMBED ELEVATION.

RIPRAP GRADATION		
SIZE (IN)	PERCENT PASSING	
	100	
	70	
	50	
	30	
	0	

SURFACING MATERIAL

_" MINUS ROCK RIPRAP

ROPERTIES				
	NON-WOVEN			
IN.	115 LBS MIN.			
	<u>≥</u> 50			
N.	40 LBS MIN.			
•	70 % MIN.			
(#70)	MAX. #40			
	-			
	0.10 MIN.			

0.10 MIN.

