

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.
- 3. 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.
- 4. 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.
- 5. CONSTRUCTION MAY NOT BEGIN UNTIL THE CONTRACTOR, LANDOWNER, AND NRCS HAVE A PRE-CONSTRUCTION MEETING IN ORDER TO DISCUSS THE DETAILS OF THE PROJECT.
- 6. IT SHALL BE THE CONTRACTOR'S AND LANDOWNER'S RESPONSIBILITY TO NOTIFY NRCS AT LEAST TWO DAYS IN ADVANCE OF:
  - A. START OF CONSTRUCTION.
  - B. INSTALLATION OF THE ROCK RIPRAP.

EARTHWORK NOTES:

- 7. BANKS SHALL BE SHAPED PRIOR TO THE INSTALLATION OF THE RIPRAP.
- 8. ALL EARTH EXCAVATED AND NOT NEEDED IN THE CONSTRUCTION OF THE WATERWAY SHALL BE SPREAD ADJACENT TO THE WATERWAY OR SHALL BE DISPOSED OF SO THAT IT WILL NOT INTERFERE WITH PROPER FUNCTIONING OF THE WATERWAY. ALL SPOIL AND DISPOSAL AREAS SHALL BE GRADED SMOOTH AND SHALL BE FREE DRAINING. NO FILL SHALL BE PLACED IN A WETLAND.

RIPRAP NOTES:

- 9. GEOTEXTILE SHALL BE INSTALLED BETWEEN THE GROUND AND ROCK RIPRAP. GEOTEXTILE MUST MEET OR EXCEED PROPERTIES LISTED IN TABLE 1.
- 10. RIPRAP SIZE AND PLACEMENT SHALL BE DONE IN ACCORDANCE WITH THESE DESIGN SHEETS.
- 11. INCORPORATE GRANULAR MATERIAL ON THE TOP HORIZONTAL SURFACE OF THE RIPRAP SO THAT FILL AND TOPSOIL DO NOT MIGRATE THROUGH THE RIPRAP.

FINISH WORK NOTES:

- 12. IALL 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.	EXCAVATING, EXCAVATION OF MATERIAL		C.Y.	11
3.	GEOTEXTILE (WOVEN)		S.Y.	54
4.	RIPRAP AND ROCK LINING (INSTALLED)		C.Y.	44
5.	SEEDING & MULCHING		ACRE	52



Date

1/1/2021

Designed

Drawn

Checked

Approved by

VT STANDARD DRAWING

USDA

United States Department of Agriculture

Natural Resources Conservation Service

HAZARD CLASS

LOW

JOB CLASS

ROCK LINED WATERWAY

CONSTRUCTION NOTES & BILL OF MATERIALS

VERMONT

File Name

Drawing Name

VT-468-001-2021

Sheet of

PLAN VIEW

# PROFILE:

Designed _____	Date _____
Drawn <b>VT STANDARD DRAWING</b> 1/1/2021	
Checked _____	
Approved by _____	



United States  
Department of  
Agriculture

Natural Resources  
Conservation Service

HAZARD CLASS  
LOW

JOB CLASS
-----------

VERMONT

ROCK LINED WATERWAY  
PLAN – PROFILE

VERMONT

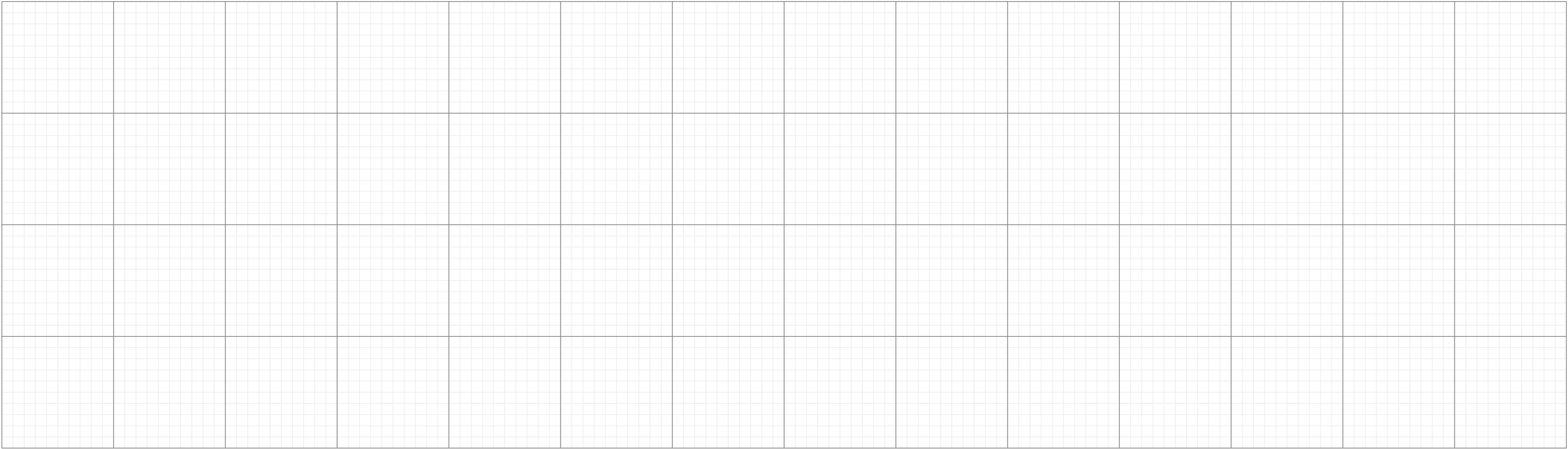
ROCK LINED WATERWAY  
PLAN – PROFILE

File Name

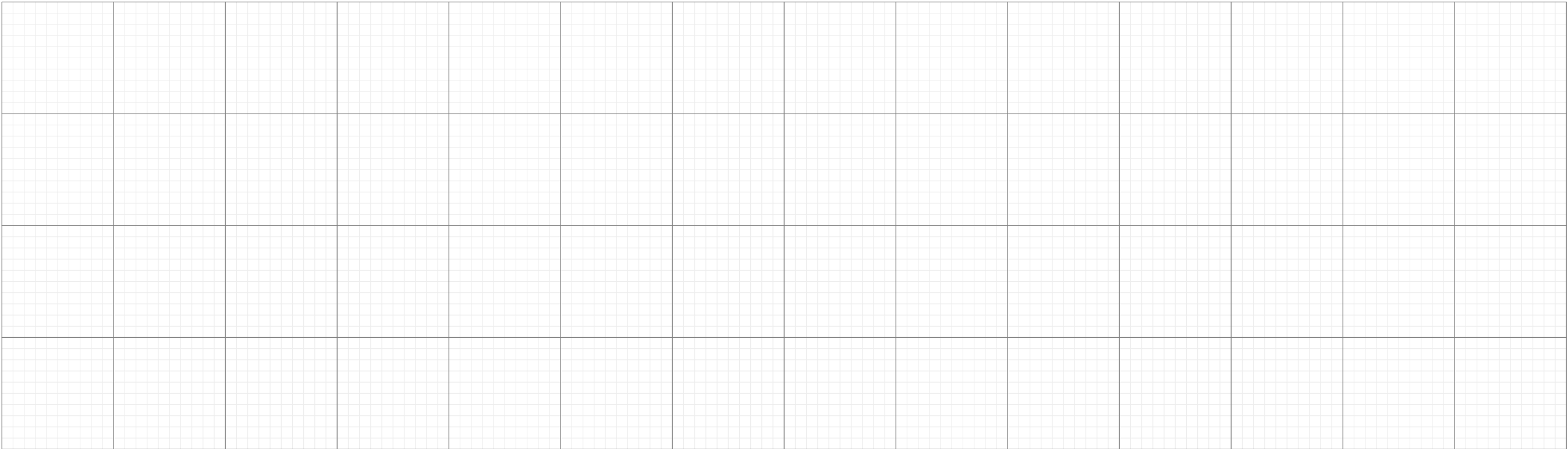
Drawing Name
VT-468-001-2021

Sheet	of
-------	----

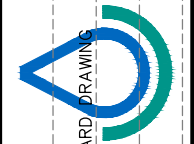
CROSS SECTION #1 – STA \_\_\_\_\_



CROSS SECTION #2 – STA \_\_\_\_\_



Designed	Date
Drawn	1/1/2021
Checked	
Approved by	



**United States  
Department of  
Agriculture**

**Natural Resources  
Conservation Service**

HAZARD CLASS  
LOW

JOB CLASS

ROCK LINED WATERWAY  
CROSS SECTIONS

VERMONT

File Name
Drawing Name VT-468-001-2021
Sheet of

TYPICAL ROCK-LINED CROSS-SECTION

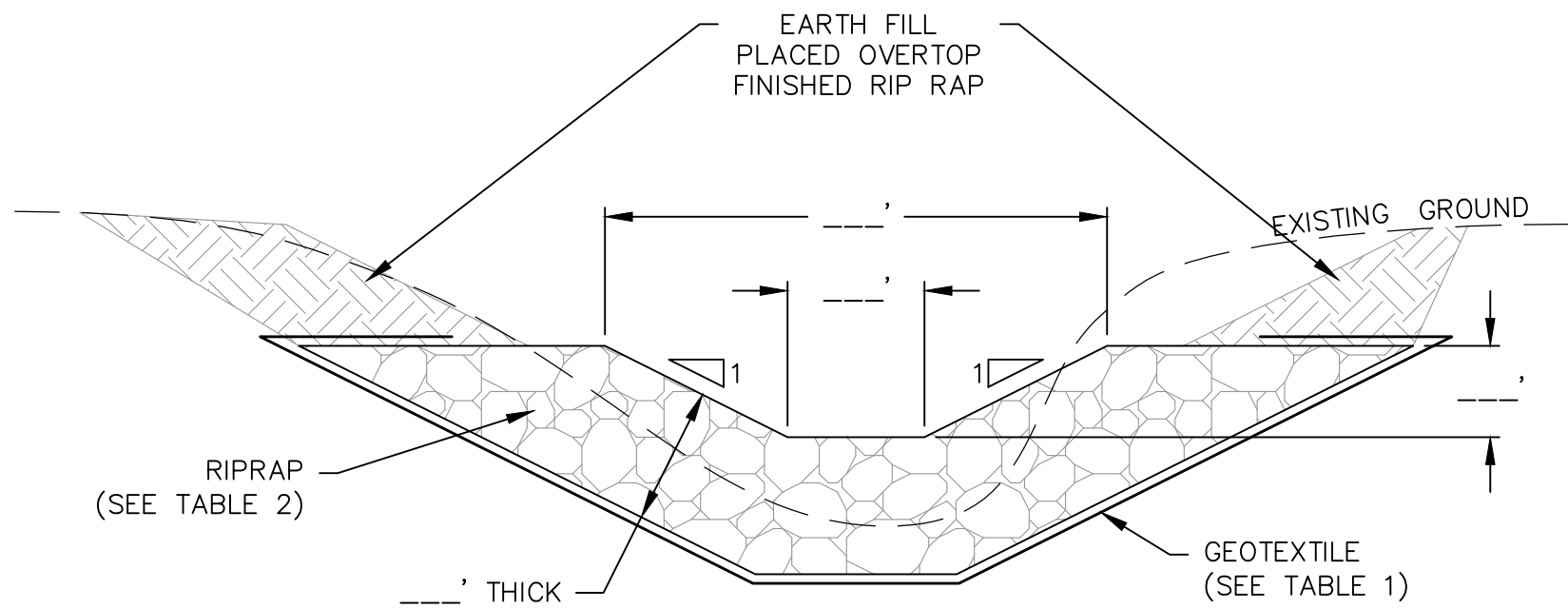


TABLE 1

CLASS I GEOTEXTILE PROPERTIES	
PROPERTY	WOVEN
TENSILE STRENGTH	180 LBS MIN
ELONGATION (GRAB TEST)	< 50 PSI
PUNCTURE	60 LBS MIN
UV	70%
APPARENT OPENING SIZE (AOS)	#100 SIEVE MIN
PERCENT OPEN AREA	1.0% MIN
PERMITTIVITY	0.10 L/SEC MIN

TABLE 2

RIPRAP GRADATION		
GRADATION	SIEVE SIZE	% PASSING
D <sub>100</sub>		100
D <sub>75</sub>		75–90
D <sub>50</sub>		50–75
D <sub>30</sub>		25–50
D <sub>10</sub>		5–15
FINES	3/4"	0–5

Date

1/1/2021

Designed

Drawn

Checked

Approved by

VT STANDARD DRAWING

United States

Department of

Agriculture

Natural Resources

Conservation Service

USDA

HAZARD CLASS

LOW

JOB CLASS

VERMONT

ROCK LINED WATERWAY

SECTION DETAILS

File Name

Drawing Name

VT-468-001-2021

Sheet of