

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 PIPELINE.

EARTHWORK NOTES

7. BACKFILL SHALL NOT CONTAIN MANURE, VEGETATION, SOD, FROZEN MATERIAL, BRUSH, ROOTS, STONES LARGER THAN 6 INCHES IN DIAMETER, OR OTHER OBJECTIONABLE MATERIAL.
8. FILL SHALL NOT BE PLACED ON FROZEN SURFACES.
9. FILL SHALL BE PLACED IN UNIFORM LAYERS NOT TO EXCEED 9 INCHES PRIOR TO COMPACTION.
10. THE MOISTURE CONTENT OF THE FILL SHALL BE SUFFICIENT TO OBTAIN FIRM COMPACTION.
11. 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.

TRENCH DRAIN & PIPELINE NOTES:

12. THE WIDTH OF THE TRENCH IS DEPENDED ON THE EAVE DRIP LINE. MINIMUM TRENCH WIDTH SHALL EXTEND FROM THE WALL OF THE ROOFED STRUCTURE TO 12" BEYOND THE EAVE DRIP LINE.
13. THE TRENCH BOTTOM SHALL BE GROOVED TO PROVIDE SUPPORT FOR THE BOTTOM 1/3 OF THE PIPE WHEN FLEXIBLE PIPE IS INSTALLED. GRAVEL BEDDING MAY BE USED TO PROVIDE LATERAL SUPPORT FOR THE PIPE WHEN THE TRENCH BOTTOM CANNOT BE GROOVED.
14. ROUND PIPE PERFORATION SHALL BE 3/16". PLACE HOLES DOWN. SLOTS SHALL BE NO LONGER THAN 1-1/4".
15. AS SOON AS PLACED AND INSPECTED THE CONVEYANCE PIPE SHALL BE HAND COVERED WITH LOOSE, FRIABLE MATERIAL FROM THE TRENCH SIDES OR FILTER GRAVEL TO A DEPTH OF 6" OVER THE PIPE.
16. DO NOT PUSH LARGE STONES INTO TRENCH.
17. THE OUTLET PIPE SHALL BE RIGID AND NON-PERFORATED FOR A MINIMUM OF 8 FEET. METAL PIPE SHALL BE USED IF THE HEADWALL IS CONCRETE.
18. DISCHARGE OUTLET SHALL NOT BE DIRECTLY PLACED IN AN EXISTING STREAM OR WATERCOURSE. THE PIPE OUTLET MUST DISCHARGE TO A GRASSED WATERWAY OR VEGETATED BUFFER ZONE OF NOT LESS THAN 30' FROM THE TOP OF BANK OF ANY WATERCOURSE.

FINISH WORK NOTES:

19. 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.	_____” TILE DRAIN		L.F.	41
4.	1 1/2” CRUSHED STONE		C.Y.	11
5.	_____” CONVEYANCE PIPE		L.F.	41
6.	GRAVEL BEDDING		C.Y.	11
7.	FENCE		L.F.	50
8.	SEEDING & MULCHING		ACRE	52



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

ROOF RUNOFF STRUCTURE-TRENCH DRAIN

CONSTRUCTION NOTES & BILL OF MATERIALS

VERMONT

File Name

Drawing Name

VT-558-001-2021

Sheet

of

PLAN VIEW

PROFILE:

[illegible]

File Name

Drawing Name

VT-558-001-2021

Sheet of

ROOF RUNOFF STRUCTURE-TRENCH DRAIN  
PLAN - PROFILE

# ALUMINIUM

HAZARD CLASS  
LOW

JOB CLASS



**United States  
Department of  
Agriculture**

**Natural Resources  
Conservation Service**



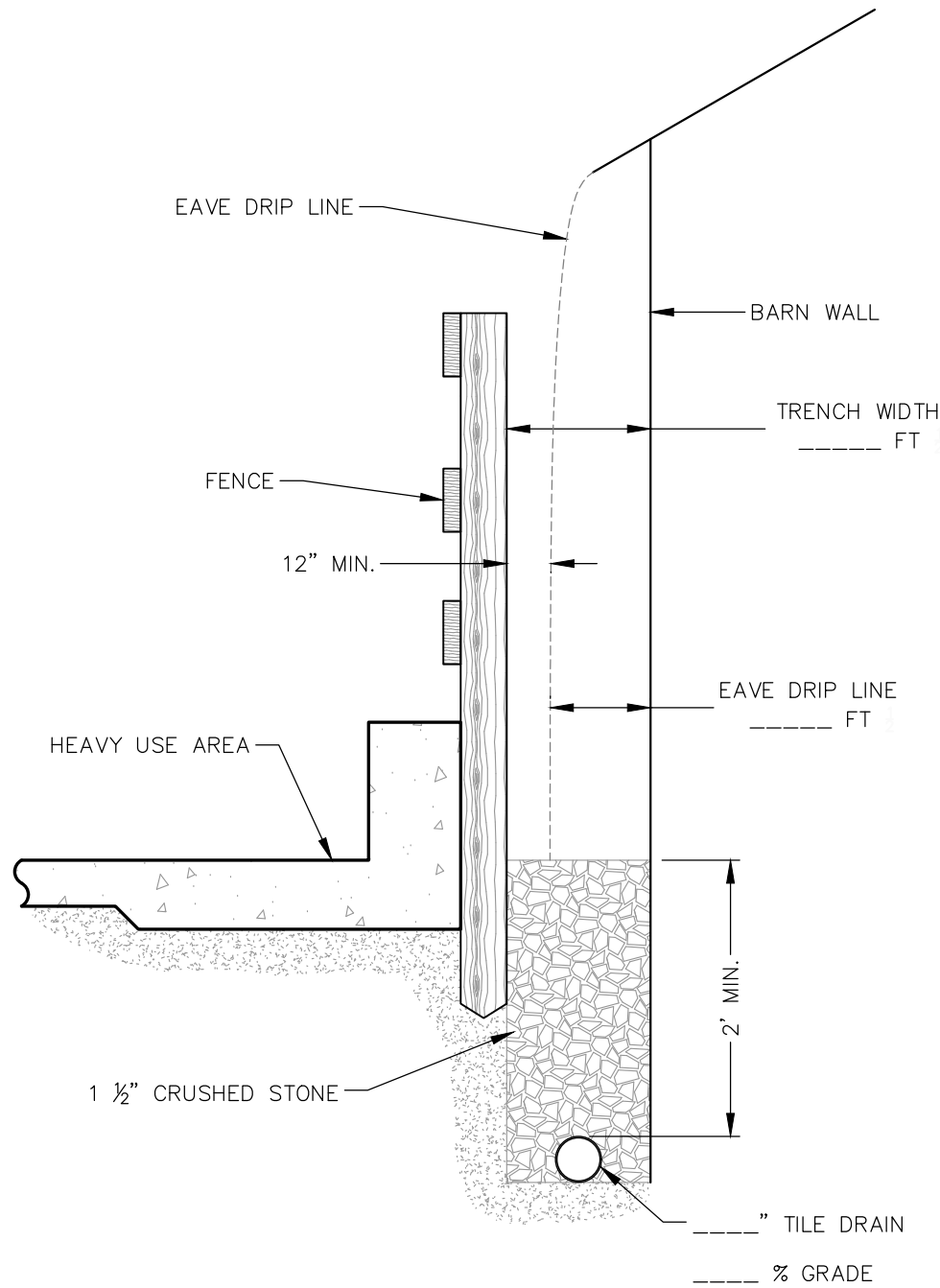
Designed 

Drawn VT STANDARD DRAWING 1/1/2021

Checked

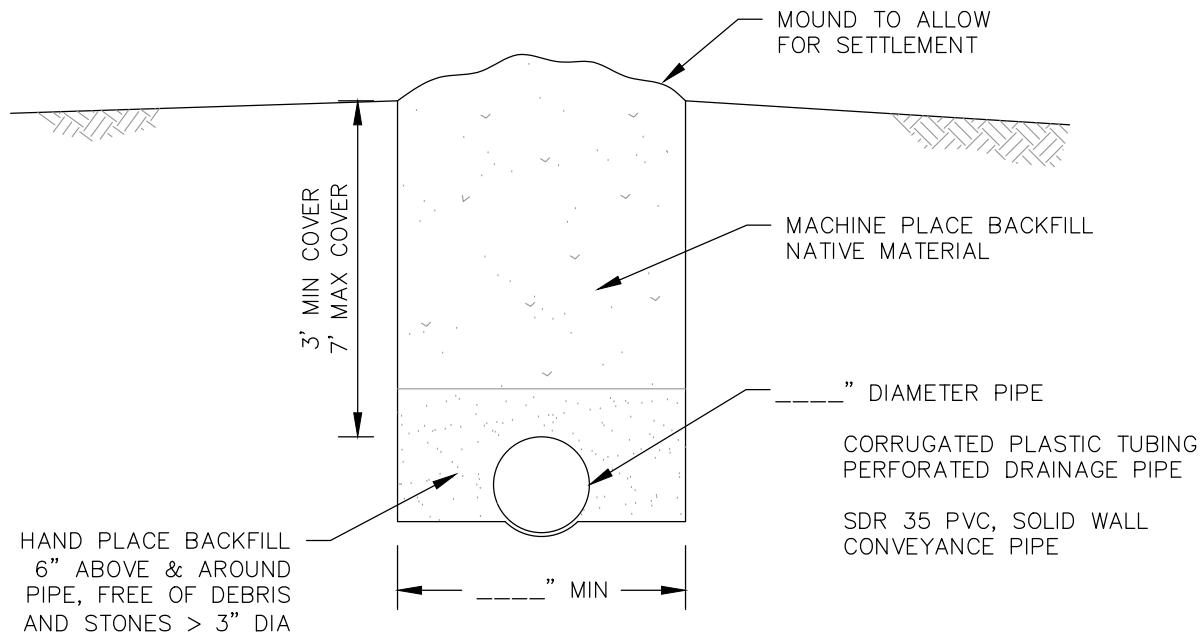
Approved by \_\_\_\_\_

TRENCH DRAIN DETAILS  
(NOT TO SCALE)

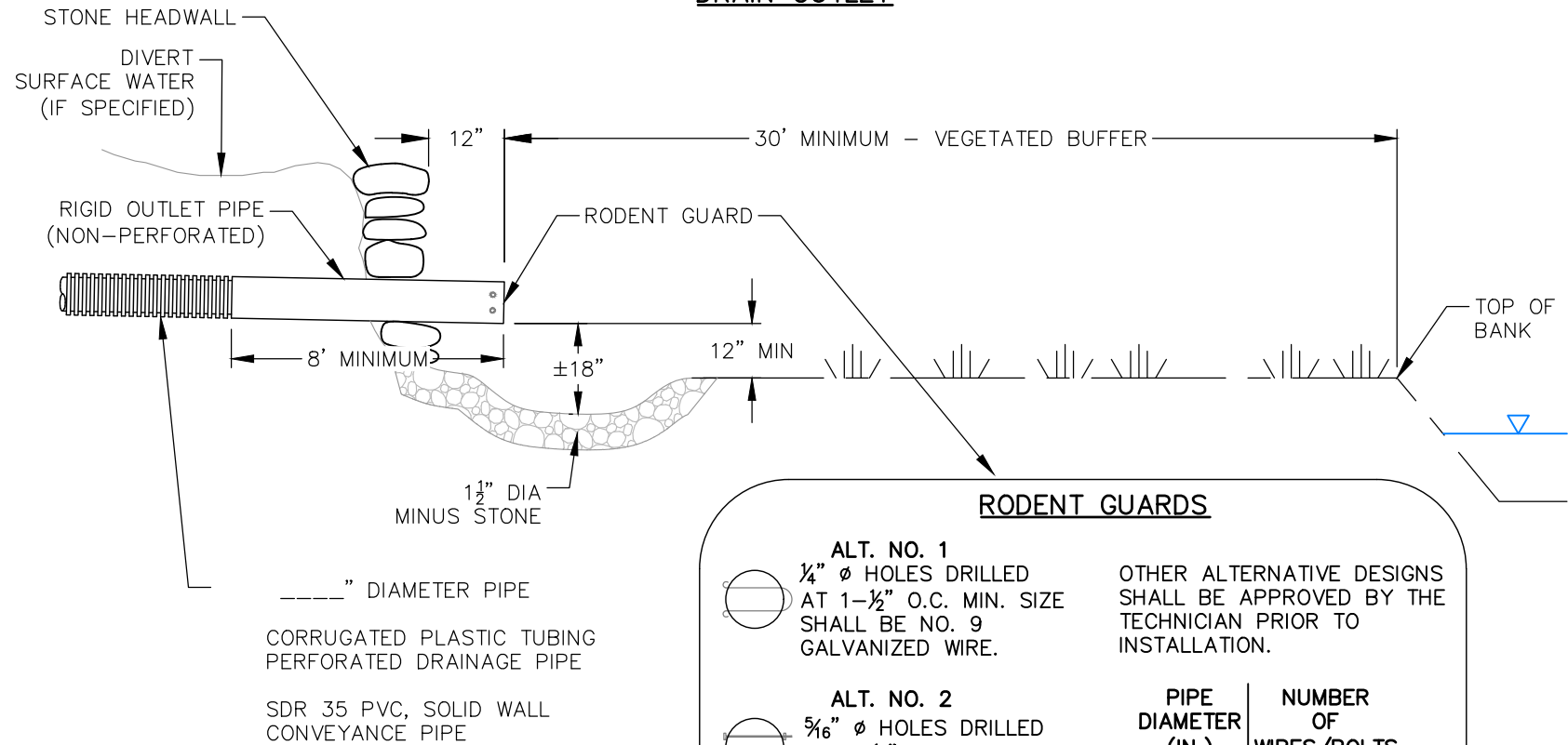


OUTLET PIPE DETAILS  
(NOT TO SCALE)

CONVEYANCE PIPE SECTION



DRAIN OUTLET



RODENT GUARDS

ALT. NO. 1  
1/4" Ø HOLES DRILLED  
AT 1-1/2" O.C. MIN. SIZE  
SHALL BE NO. 9  
GALVANIZED WIRE.

ALT. NO. 2  
5/16" Ø HOLES DRILLED  
AT 1-1/2" O.C.  
HORIZONTAL BARS  
SHALL BE 1/4"  
GALVANIZED BOLTS.

OTHER ALTERNATIVE DESIGNS  
SHALL BE APPROVED BY THE  
TECHNICIAN PRIOR TO  
INSTALLATION.

PIPE DIAMETER (IN.)	NUMBER OF WIRES/BOLTS
4"	2
6"	3
8"	5