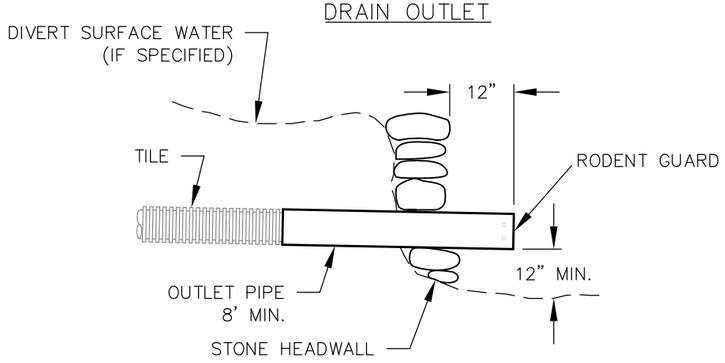
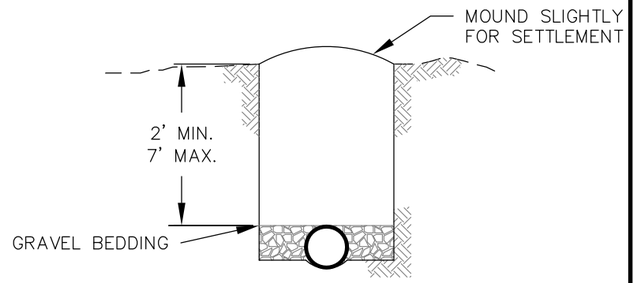
TILE DRAINAGE DETAILS

DRAIN OUTLET



TYPICAL SECTION



RODENT GUARDS

ALT. NO. 1
¼" ø HOLES DRILLED AT 1½" O.C. MIN. SIZE SHALL BE NO. 9 GALVANIZED WIRE.

ALT. NO. 2
5/16" ø HOLES DRILLED AT 1½" O.C. HORIZONTAL BARS SHALL BE ¼" GALVANIZED BOLTS.

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

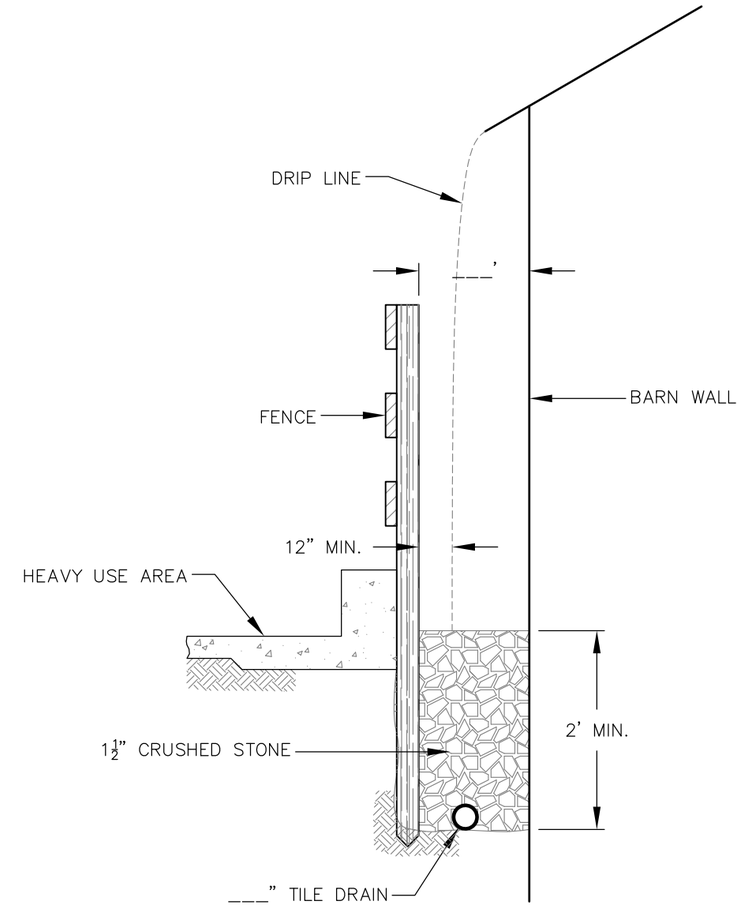
PIPE DIAMETER (IN.)	MINIMUM NUMBER WIRES/BOLTS
4"	2
6"	3
8"	5

CONSTRUCTION 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. THE TRENCH BOTTOM SHALL BE GROOVED TO PRIVIDE SUPPORT FOR THE BOTTOM ⅓ OF THE PIPE WHEN FLEXIBLE PIPE IS INSTALLED. STONE BEDDING MAY BE USED TO PROVIDE LATERAL SUPPORT FOR THE PIPE WHEN THE TRENCH BOTTOM CANNOT BE GROOVED.
5. ROUND PIPE PERFORATIONS SHALL BE 3/16 INCH. PLACE HOLES DOWN. SLOTS SHALL BE NO LONGER THAN 1¼".
6. AS SOON AS PLACED AND INSPECTED, THE PIPE SHALL BE HAND COVERED WITH LOOSE, CLEAN STONE 6 INCHES OVER THE PIPE.
7. DO NOT PUSH LARGE STONES INTO TRENCH.
8. THE OUTLET PIPE SHALL BE RIGID AND NON–PERFORATED. METAL PIPE SHALL BE USED IF THE HEADWALL IS CONCRETE OR IF DISCHARGE IS INTO A DRAINAGE CHANNEL OR STREAM.
9. ALL DISTURBED AREAS SHALL BE LIMED, FERTILIZED AND SEEDED IN ACCORDANCE WITH VT CONSTRUCTION SPECIFICATION #52.
10. NOTIFY NRCS AT LEAST 2 DAYS PRIOR TO START OF CONSTRUCTION.

TILED ROOF DRAIN DETAIL

(NOT TO SCALE)



NOTES:

- WIDTH OF TRENCH IS DEPENDENT ON DRIP LINE

BILL OF MATERIALS

ITEM #	ITEM	QUANTITY	UNIT	CONSTRUCTION SPECIFICATIONS
1.	EXCAVATION		C.Y.	11
2.	1 1/2" CRUSHED STONE		C.Y.	5, 11
3.	___" TILE DRAIN		L.F.	41
4.	GRAVEL BEDDING		C.Y.	5, 11
5.	___" OUTLET PIPE		L.F.	41
6.	RODENT GUARD		EA	
7.	FENCE		L.F.	50

Date 2-07
Designed
Drawn JD
Checked
Approved by

NRCS
Natural Resources Conservation Service
United States Department of Agriculture

HAZARD CLASS LOW

JOB CLASS ___

VERMONT

ROOF RUNOFF – NO CURB
TYPICAL SECTIONS & NOTES

File Name

Drawing Name

Sheet 1 of 2

PLAN VIEW

Designed	
Drawn JD	Date 2-07
Checked	
Approved by	

NRCS
Natural Resources Conservation Service
United States Department of Agriculture

HAZARD CLASS
LOW

JOB CLASS
___

ROOF RUNOFF – NO CURB
PLAN – PROFILE VIEW

VERMONT

File Name

Drawing Name

Sheet 2 of 2