TILE DRAINAGE DETAILS
TYPICAL SECTION

GRAVEL BEDDING

2' MIN.
7' MAX.

MOUND SLIGHTLY
FOR SETTLEMENT

DRAIN OUTLET
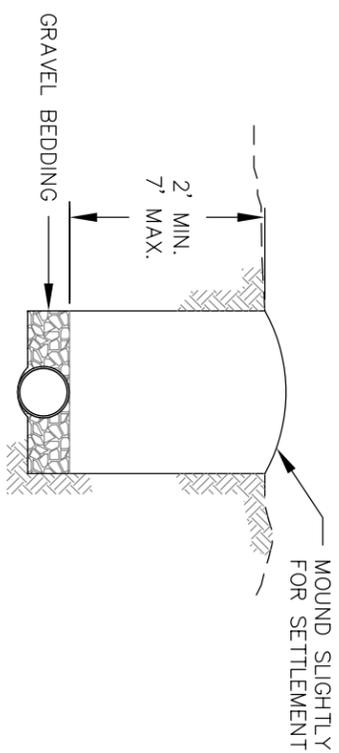
DIVERT SURFACE WATER
(IF SPECIFIED)

TILE

OUTLET PIPE
8' MIN.

STONE HEADWALL

RODENT GUARD

12"

12" MIN.

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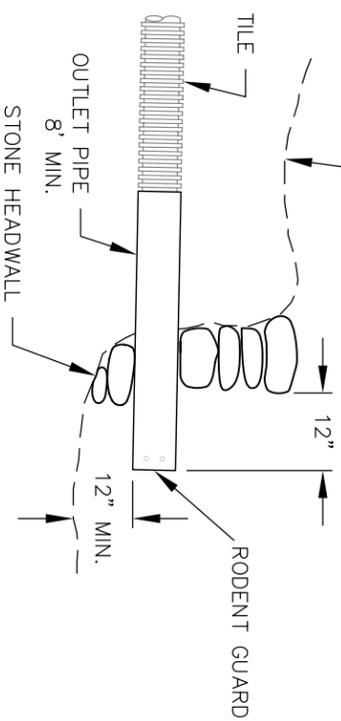
OTHER ALTERNATIVE DESIGNS
SHALL BE APPROVED BY THE
TECHNICIAN PRIOR TO
INSTALLATION.

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

CONSTRUCTION NOTES

1. THE TRENCH BOTTOM SHALL BE GROOVED TO PROVIDE SUPPORT FOR THE BOTTOM ⅓ 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.

2. ROUND PIPE PERFORATION SHALL BE ³⁄₁₆". PLACE HOLES DOWN. SLOTS SHALL BE NO LONGER THAN 1¼".

3. AS SOON AS PLACED AND INSPECTED THE PIPE SHALL BE HAND COVERED WITH LOOSE, FRIABLE MATERIAL FROM THE TRENCH SIDES, TOPSOIL OR FILTER GRAVEL TO A DEPTH OF 6" OVER THE PIPE.

4. DO NOT PUSH LARGE STONES INTO TRENCH.

5. 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.

6. NOTIFY NRCS AT LEAST 2 DAYS PRIOR TO START OF CONSTRUCTION.

TILED ROOF DRAIN DETAIL
(NOT TO SCALE)

EXISTING GROUND

1½" CRUSHED STONE

12" MIN.

——" TILE DRAIN

DRIP LINE

BARN WALL

2' MIN.
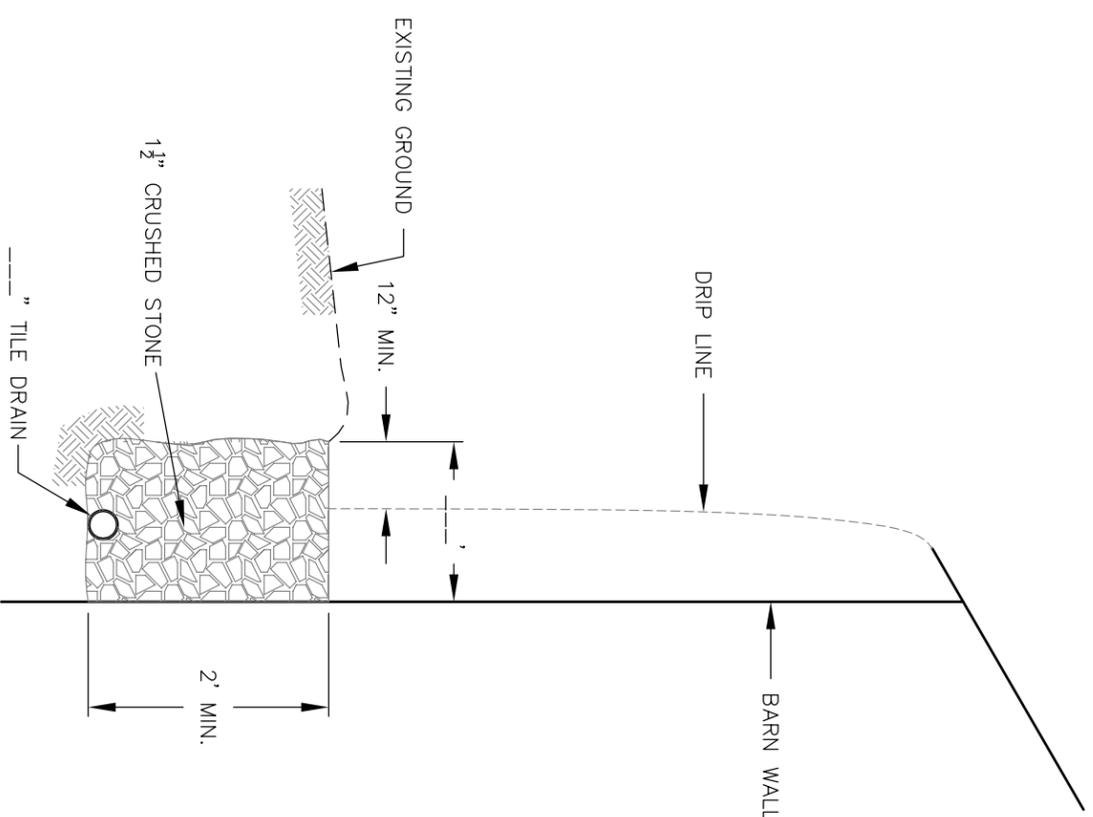
NOTES:
° WIDTH OF TRENCH IS DEPENDENT ON DRIP LINE

BILL OF MATERIALS

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

ROOF RUNOFF — NO CURB
PLAN — PROFILE VIEW

VERMONT

HAZARD CLASS
LOW

JOB CLASS
———

NRCS
Natural Resources Conservation Service
United States Department of Agriculture

Date

Designed _____

Drawn _JD_____ 2–07

Checked _____

Approved by _____
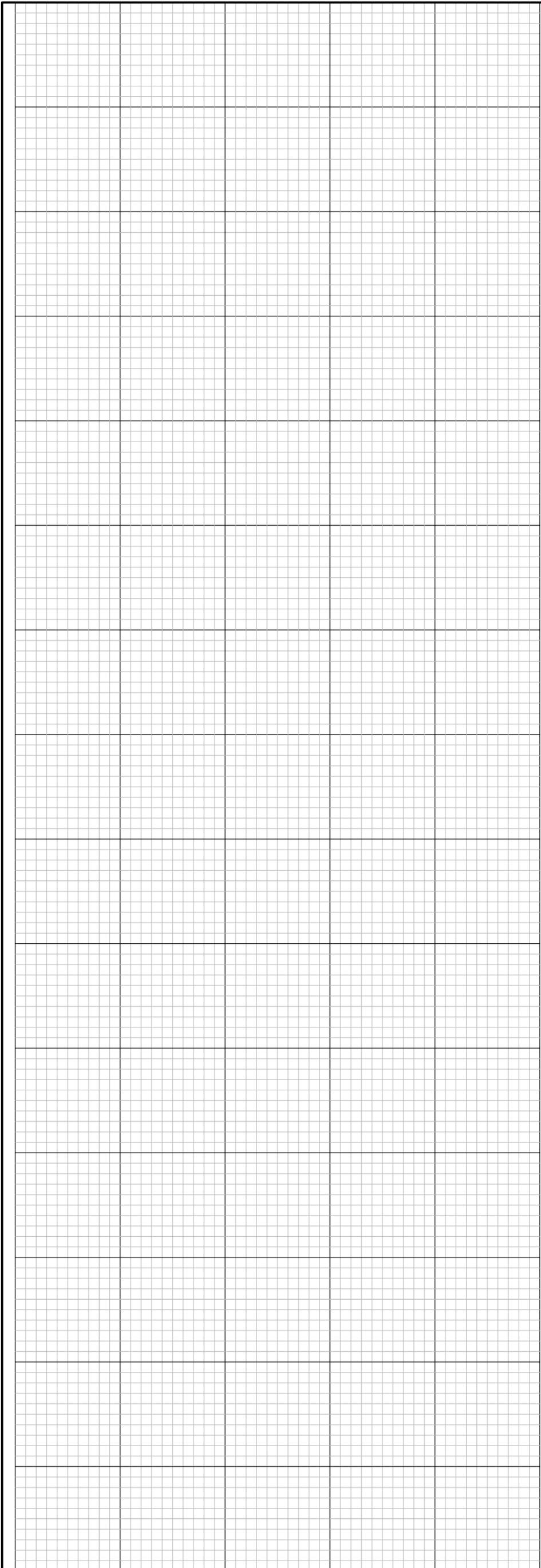
Sheet 2 of 2

Drawing Name

File Name