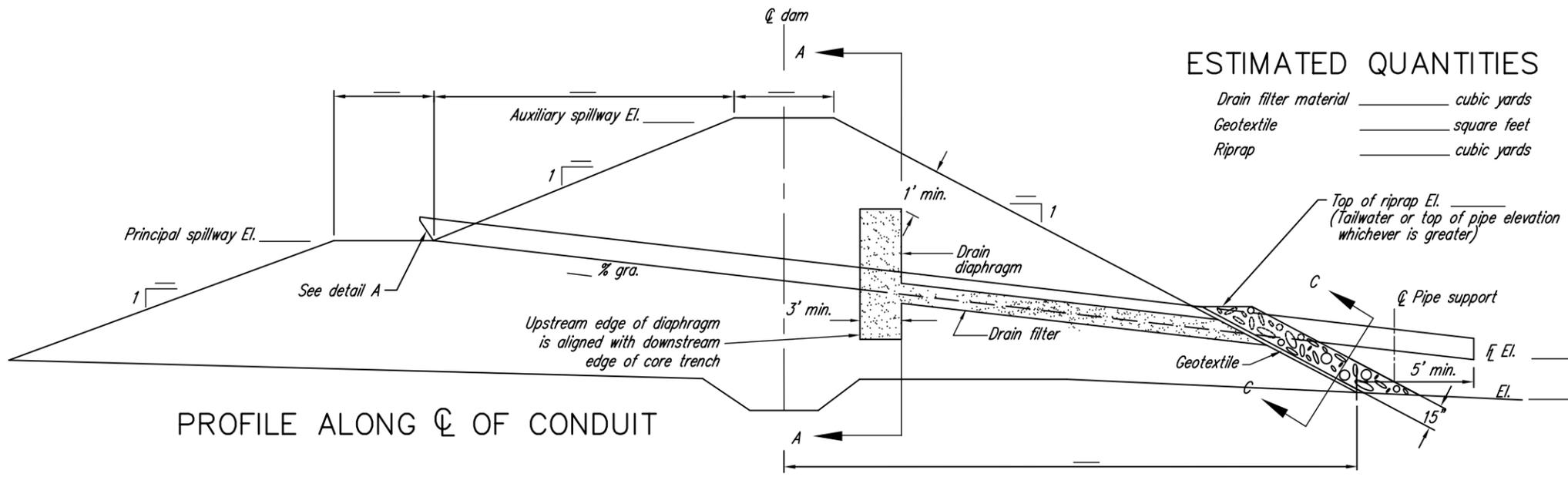


Date _____
 Designed _____
 Drawn _____
 Checked _____
 Approved _____



ESTIMATED QUANTITIES

- Drain filter material _____ cubic yards
- Geotextile _____ square feet
- Riprap _____ cubic yards

Drain Filter Gradation

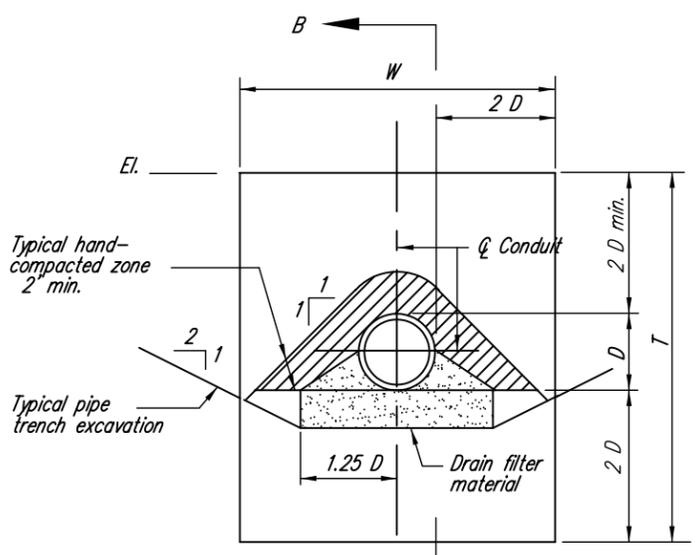
Sieve Size	Percent Passing
3/8	100
4	95-100
8	76-100
16	50-85
30	25-60
50	10-30
100	0-10

Riprap Gradation

Percent Smaller	Weight Range (lbs.)	Size Range (in.)
100	100	15
80-100	80-100	12
40-60	40-60	8
10-30	10-30	6

ASTM C 33 fine aggregate
 KDOT 1102 fine aggregate
 KDOT 1102 FA-A & FA-B

PROFILE ALONG C OF CONDUIT

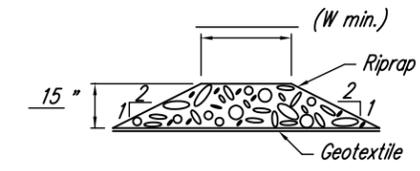


SECTION A-A

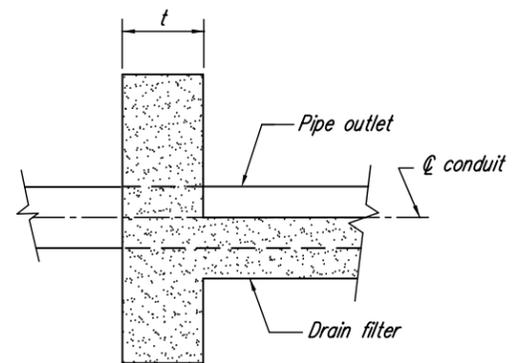
MATERIAL NOTE

The geotextile shall conform to the Class I requirements in Table 592-1 (woven) or Table 592-2 (nonwoven) in Material Specification 592 except the percent open area (POA) of the woven shall be greater than 6% and the porosity of the nonwoven shall be greater than 30%.

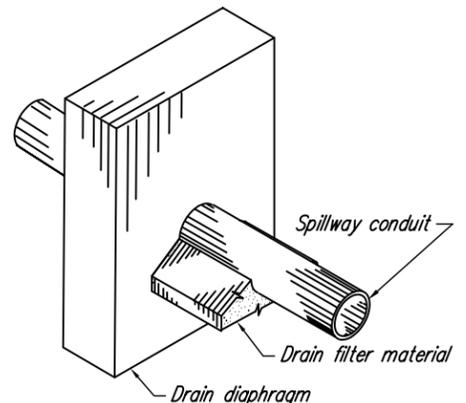
Note: Cut hole in geotextile slightly smaller than conduit.



SECTION C-C OF RIPRAP
 Perpendicular to slope

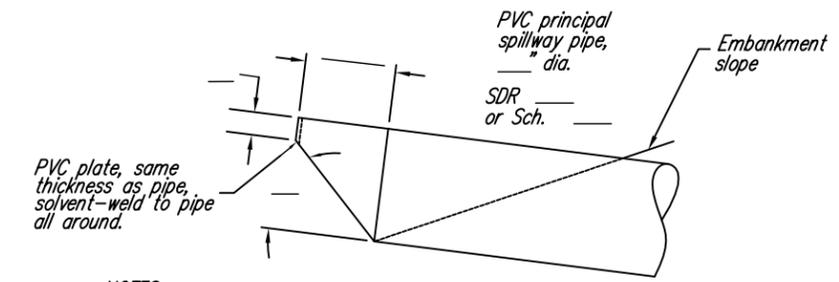


SECTION B-B



PARTIAL ISOMETRIC

Showing conduit, drain diaphragm, and drain filter material



- NOTES:
- Specified SDR pressure-rated PVC pipe shall conform to ASTM D 2241. Schedule 40 and 80 PVC shall conform to ASTM D 1785.
 - Pipe material designation shall be PVC 1120 or 1220.
 - Fabricate plate using end cap cut to fit and solvent-weld to pipe. Alternative fabrications shall be approved by NRCS.
 - PVC pipe shall be joined by gasketed couplings. Solvent-welded couplings are not permitted.

DETAIL A
 PVC CANOPY INLET
 Drain Diaphragm

Definitions

D = Outside diameter of circular conduit
 W = Width of drain diaphragm
 T = Height of drain diaphragm
 t = Thickness of drain diaphragm (2' min.)

CONSTRUCTION NOTES:

- No compaction of the drain filter material is required beyond that resulting from the placing and spreading operations. The drain diaphragm material shall be placed in 12" lifts. Each lift shall be saturated uniformly with approximately 1.2 gallons of water per cubic foot of loose drain material.
- The maximum height of drop of the riprap onto the geotextile shall be 3'.

BEFORE ANY INVESTIGATION OR CONSTRUCTION ACTIVITY, THE EXCAVATOR IS RESPONSIBLE FOR CALLING KANSAS ONE-CALL AT 800-344-7233 (800-DIG-SAFE)

Not to Scale

COUNTY, KANSAS



File Name _____
 Drawing Name _____
 Sheet _____ of _____