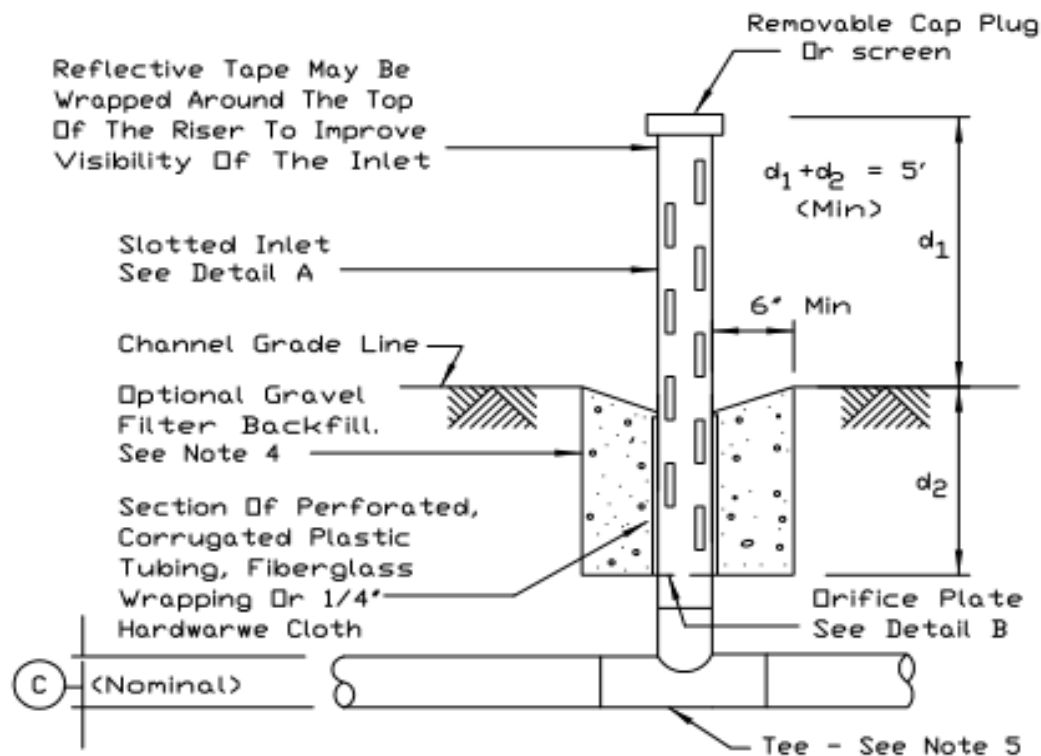
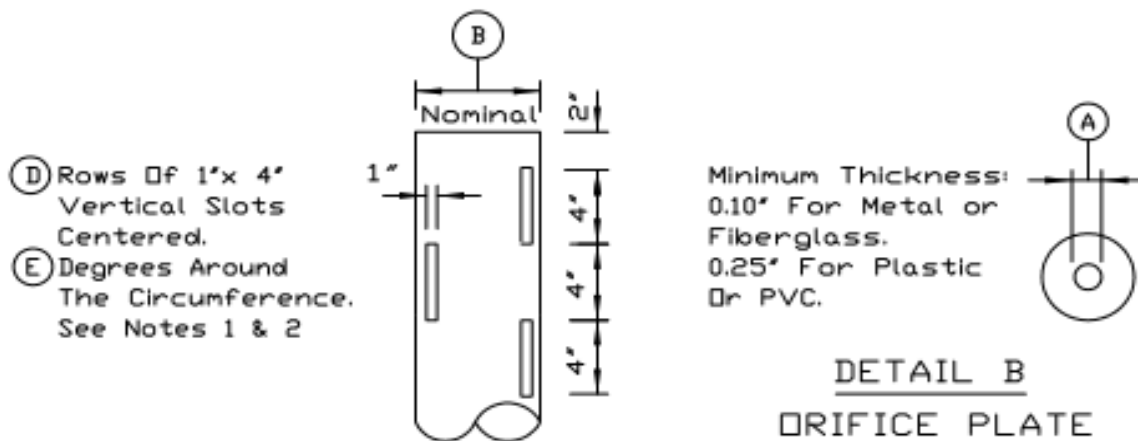


INLET FOR UNDERGROUND OUTLET - METAL



INLET FOR UNDERGROUND OUTLET



DETAIL A - SLOTTED INLET

DETAIL B ORIFICE PLATE

REFERENCE
Project _____
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____



NRCS
Natural Resources Conservation Service

STANDARD DWG. NO.
IL-543
SHEET 1 OF 2
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INLET FOR UNDERGROUND OUTLET - METAL

STANDARD DIMENSIONS TABLE

(A) (Inches)	(B) (Inches)	(C) Min. (Inches)	(D) (Rows)	(E) (Deg)	Min.Wall Thickness	
					Steel	
					Corr. Gage	Smooth (Inches)
1.50-3.50	6	4	4	90	16	.10
3.75-5.50	8	6	6	60	16	.10
5.75-6.00	10	8	8	45	16	.13

DESIGN DIMENSIONS

Inlet Number	Drifce Dia (A)	Inlet Dia (B)	d ₁ (Ft)	d ₂ (Ft)

NOTES:

1. Slotted inlets shall be fabricated from corrugated metal or smooth steel.
2. Slots shall be cut clearly and deburred. Ends of slots may be round or square.
3. Drifce plate, cap and all fittings shall be snug and securly fastened. Drifce plate shall be cleanly cut and free of burrs with care taken not to round the edges.
4. Gravel filter, if used, shall be pit run sand and natural gravel with maximum particle diameter of 2".
5. Fabricated or standard elbow; fabricated or standard tee with main tile line or plug in upstream end; or standard tee with with one end embedded in concrete.
6. An optional break-away coupling may be placd 6-8 inches below ground.
7. Thirty 1" diameter holes per foot of riser may be substituted for the 1"x 4" for 6" diameter riser.

REFERENCE

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SHEET 2 OF 2

DATE 6-29-93