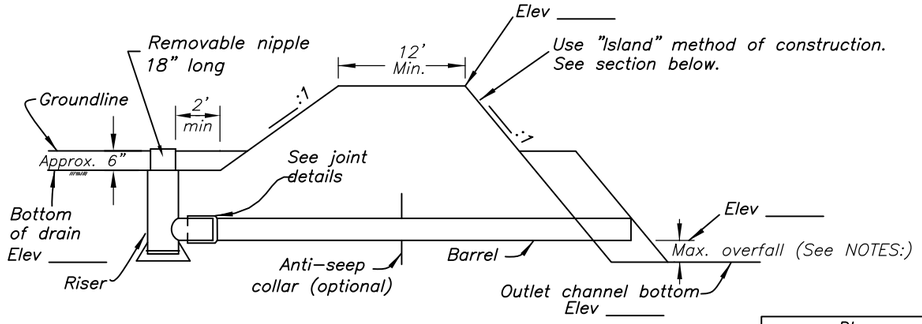
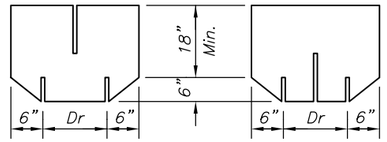
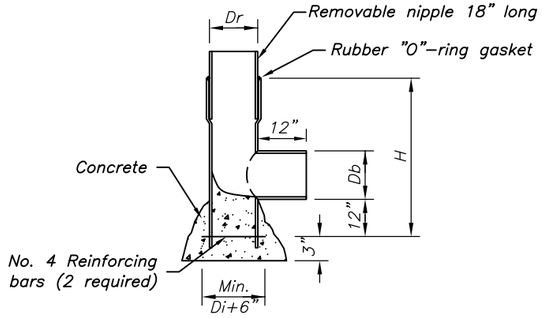
29N412



ELEVATION

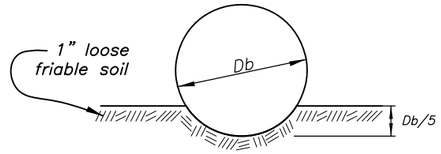


ANTI VORTEX BAFFLE (OPTIONAL)



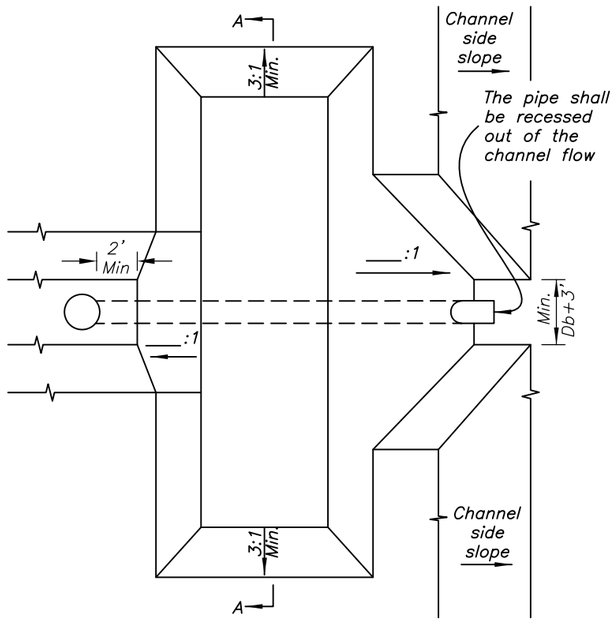
RISER DETAILS

Db Barrel Dia. Inches	Dr Riser Dia. Inches	Volume of Concrete (V_1) Cu. Ft.	Rebar Length Inches
8	10	1.3	16
10	12	2.0	18
12	15	3.2	21
16	21	6.9	27
18	24	9.7	30



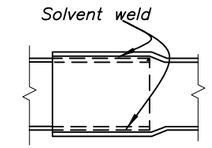
MIN PIPE BEDDING REQUIREMENTS

Barrel length: _____

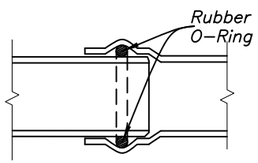


PLAN

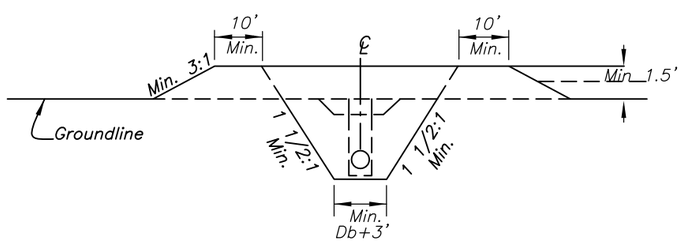
NOTES:
1. Barrel and riser to be fabricated from PVC pipe. All solvent welding to be shop welded.
2. The barrel stub may be attached to the riser by the following method. Grind surfaces to roughen within four inches of joint. Weld the joint with a hot air PVC welding gun. Apply a quick set filler paste to all joints. Prime all roughened surfaces then apply four layers of fiberglass matting and a styrene based resin. Use 6 layers of fiberglass on 18" barrels. All material is to be placed and finished in a workmanlike manner.
3. The maximum pipe slope shall be 0.125 ft/ft.
4. Pipe couplings to be solvent welded or rubber o-ring gasket type as recommended by manufacturer. Bell of couplings to be placed upstream.
5. The pipe outlet shall be 2 feet or barrel diam. above the outlet channel, whichever is less.
6. For additional details see Missouri Construction Specification 410-B.
7. The upstream slope shall be 2:1 (min) and the downstream slope shall be 1 1/2:1 (min). 8. Anti-seep collars shall conform to Missouri Standard Drawing 29-L-225 or equivalent.



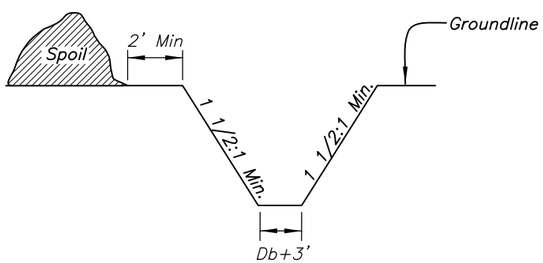
DETAILS SOLVENT WELDED JOINT



DETAILS RUBBER O-RING JOINT



SECTION "A-A"



TRENCH EXCAVATION

Adapted from Louisiana Standard Drawing LA011002

Revised 09/97

NOT TO SCALE

Date
Designed
Drawn
Checked
Approved

DROP INLET
LOW HEAD PVC PIPE DROP

United States Department of Agriculture
Natural Resources Conservation Service
NRCS

DRAFT
NOT FOR CONSTRUCTION

File Name

Drawing Name
29-N-412

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