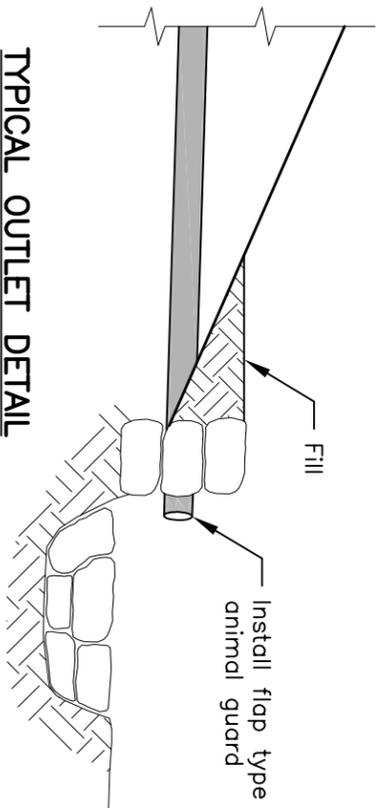


TYPICAL INLET DETAIL



TYPICAL OUTLET DETAIL

CONSTRUCTION SPECIFICATIONS AND NOTES

1. Remove all existing vegetation and topsoil from the footprint of the embankment. Topsoil shall be stockpiled for respreading on the embankment.
2. Core trench required when pool depth exceeds (2) feet. Locate trench along or parallel to center line of embankment, extending down to impervious layer. Use width of anticipated compaction equipment as bottom width with (2) feet as a minimum for hand compactors. Depth of trench should be at least (2) feet unless bedrock is encountered. Core trench fill shall be placed in layers not to exceed (9) inches and shall be compacted by a minimum of (3) passes of the construction equipment over the entire surface of the layer.
3. Fill material shall be obtained from shallow excavations at least (10) feet upstream from the toe of the embankment, or from a borrow source accepted by the approving official. Fill shall not contain vegetation, sod, frozen material, brush and roots, stones larger than (6) inches in diameter, or other objectionable material.
4. Embankment fill shall be placed in layers not to exceed (9) inches and shall be compacted by a minimum of (3) passes of the construction equipment over the entire surface of the layer.
5. Drain structure, if specified, shall have backfill materials placed and hand compacted in (4) inch layers up to (2) feet over pipe.
6. A nonwoven geotextile conforming to NRCS Materials Specification 592, Class 1 shall be installed to the full width of the stone center. A minimum of (6) inches of gravel may be substituted for geotextile (applies to Rock Lined Auxiliary Spillways).
7. Pipe shall be anchored to prevent floating.
8. A minimum of 5% of the embankment height shall be added to the embankment to allow for settlement. (Elev. = settled elev. + 0.05 height).
9. The top surface of the embankment shall be graded to be smooth and free draining. Finished side slopes shall be no steeper than 5H to 1V (5:1).
10. Apply lime and fertilizer according to soil test recommendations.
11. The embankment shall be seeded upon completion according to the following specification.

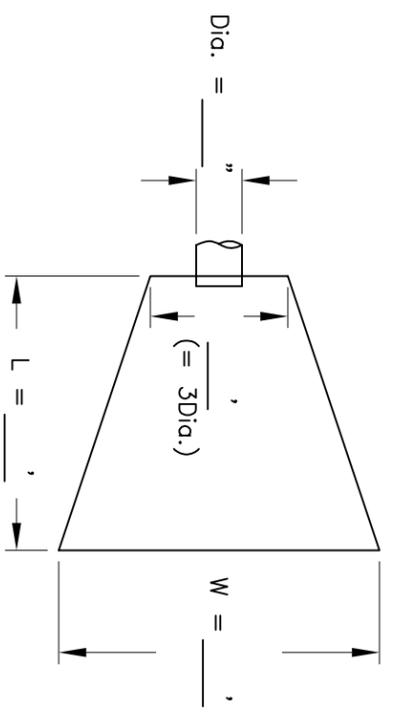
Unless otherwise specified, apply seed at the following rates:

Creeping Red Fescue (EnsyIva)	20 Lbs./Ac.	_____ Lbs. total	_____ Lbs./Ac.	_____ Lbs. total
Red Top (Common)	3 Lbs./Ac.	_____ Lbs. total	_____ Lbs./Ac.	_____ Lbs. total
Birdfoot Trefoil (Empire)	8 Lbs./Ac.	_____ Lbs. total	_____ Lbs./Ac.	_____ Lbs. total

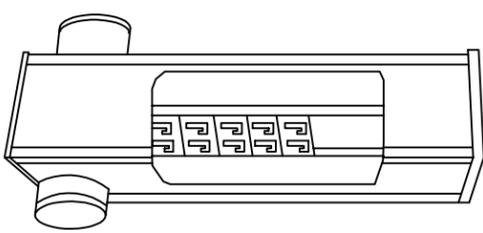
Apply late season cover crop of: _____ Lbs./Ac. (after Sept. 15)
12. Apply a mulch of straw or hay at a rate of (2) Tons/Ac.

ROCK OUTLET PROTECTION

Dia. (in.)	L (ft.)	W (ft.)	d ₅₀ (in.)	Quan. (c.y)	Thickness (in.)
6	5	6	4	.5	9
8	6	7	4	1	9
10	11	12	4	2.5	9
12	14	15	6	5.5	14



ROCK OUTLET DETAIL



TYPICAL DRAIN STRUCTURE

Can be located upstream or downstream

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Topsoil removal	C.Y.	
Core trench excavation	C.Y.	
Earthfill	C.Y.	
_____ " Dia. pipe	Ft.	
Material _____		
Drain structure	Anti-seep collar (specify material)	_____ " w x _____ " h
		_____ " Dia. x _____ " h

B.M. Elev. _____
B.M. Desc. _____

NOT TO SCALE

REVISIONS

Date Revised	Item(s) Revised	Revised by	Approved by



**WETLAND ENHANCEMENT - 659
LOW EMBANKMENT - TYPE B**

Designed _____	Date _____
Drawn _____	_____
Checked _____	_____
Approved _____	_____
Title _____	_____