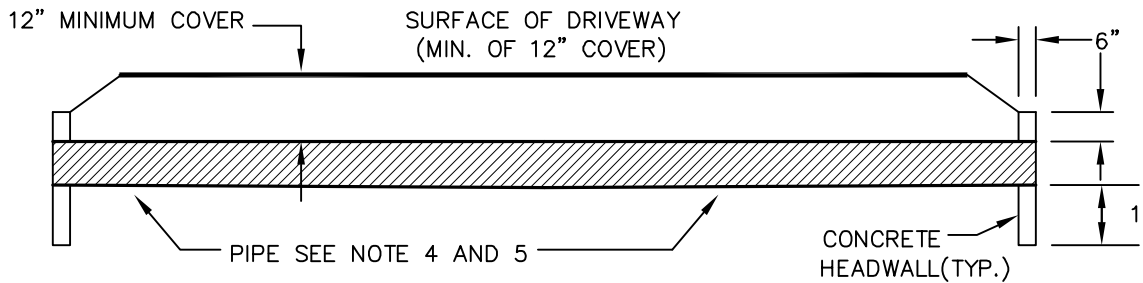


CONC./DIP CULVERT CROSS SECTION



PVC/HDPE CULVERT CROSS SECTION

NOTES

1. MINIMUM PIPE SIZE SHALL BE 12" INSIDE DIAMETER AND 20 FEET IN LENGTH. PIPE SHALL EXTEND A MINIMUM OF ONE FOOT BEYOND THE TOE OF FILL.
2. CONCRETE HEADWALL (6" THICK) REQUIRED WHEN USING PVC AND/OR HDPE. THE WIDTH OF THE HEADWALL SHALL BE THE FULL WIDTH OF THE DITCH.
3. SPECIFICATIONS FOR MATERIALS USED IN CONSTRUCTION SHALL CONFORM TO CURRENT ODOT/APWA STANDARD SPECIFICATIONS.
4. PIPE SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS TO SUPPORT HL 93 LOADING.
5. REFER TO SECTION 440.1.1 OF THESE ROADWAY STANDARDS FOR ACCEPTABLE PIPE MATERIAL.
6. PROVIDE 5'x5'x12" DEEP CLASS 10 RIP-RAP AT PIPE OUTLET WHEN THE PIPE SLOPE IS GREATER THAN 5%.

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REVISION	DATE	BY

DEPARTMENT OF TRANSPORTATION  
AND DEVELOPMENT  
150 BEAVERCREEK ROAD  
OREGON CITY, OR 97045



APPROVAL DATE: 1/1/10

SCALE: N.T.S.

TYPICAL PLAN FOR DRIVEWAY  
CULVERT INSTALLATION

STANDARD  
DRAWING  
D250