



APPROVED FOR PRIVATE STORM DRAIN SYSTEM

NOTES:

1. DRAIN ROCK SHALL BE LINED ON BOTH SIDES AND OVER LAPPED ON TOP WITH GEOTEXTILE MATERIAL.
2. THE INFILTRATION TRENCH IS GENERALLY USED FOR SMALL DRAINAGE AREAS, AN EMERGENCY SPILLWAY MAY NOT BE NECESSARY. HOWEVER, AN OVERFLOW OUTLET MAY BE REQUIRED TO BE PROVIDED.
3. AN OBSERVATION WELL SHOULD BE INSTALLED AT THE LOWER END OF THE INFILTRATION TRENCH TO CHECK WATER LEVELS, DRAWDOWN TIME, SEDIMENT ACCUMULATION, AND CONDUCT WATER QUALITY MONITORING. FOR LARGER TRENCHES A 12"-36" WELL CAN BE INSTALLED TO FACILITATE MAINTENANCE OPERATIONS SUCH AS PUMPING OUT OF SEDIMENT. THE TOP OF THE WELL IS TO BE CAPPED TO DISCOURAGE VANDALISM AND TAMPERING. PUBLIC INFILTRATION TRENCH REQUIRES A CLEANOUT TO BE INSTALLED AT END OF PERFORATED PIPE.
4. THE STONE AGGREGATE IS TO BE PLACED IN LIFTS AND COMPACTED USING PLATE COMPACTORS. THE MAXIMUM LOOSE LIFT THICKNESS IS TO BE 12".
5. FOLLOWING THE DRAIN ROCK PLACEMENT, THE GEOTEXTILE MUST BE FOLDED OVER THE TOP TO FORM A 12" MINIMUM LONGITUDINAL OVERLAP. THE UPSTREAM ROLL SHALL OVERLAP A MINIMUM OF 2' OVER THE DOWNSTREAM ROLL (PROVIDE SHINGLE AFFECT).
6. VOIDS BETWEEN THE GEOTEXTILE AND THE EXCAVATION SIDES MUST BE AVOIDED.
7. IF VERTICALLY EXCAVATED WALLS BECOME DIFFICULT TO MAINTAIN, USE TRAPEZOIDAL SECTION.
8. PER CCSWM BMP T5.10B.

DWG: D12.DWG

NO.	REVISIONS	DATE	BY



Department of
Public Works
CLARK COUNTY
WASHINGTON
proud past, promising future

INFILTRATION TRENCH
PRIVATE

[Signature]
APPROVED
COUNTY ENGINEER

01/07/16
DATE

STANDARD
D12
DETAIL
DESIGNED
DRAWN
DATE 01/30/15