



NOTES

1. UNDERDRAINS SHALL BE CONNECTED INTO A STORMWATER SYSTEM OR OPEN DRAINWAY AS APPROVED BY THE ENGINEER.
2. UNLESS OTHERWISE SHOWN ON PLANS, UNDERDRAIN SHALL BE INSTALLED UNDER THE ROADWAY DITCH.
3. WHEN TRENCH IS UNDER A ROADBED, PAVED DITCH, OR OTHER STRUCTURE, THE WASHED ROCK BACKFILL MATERIAL AND FILTER CLOTH SHALL COMPLETELY FILL THE TRENCH.
4. NON-PERFORATED PIPE MAY BE USED AT THE OUTLET ENDS OF UNDERDRAINS AS APPROVED BY THE ENGINEER.
5. UNLESS CONNECTED TO A STORMWATER SYSTEM THE OUTFALL END OF AN UNDERDRAIN PIPE SHALL BE COVERED WITH GALVANIZED NO. 17 GAGE HARDWARE CLOTH SCREEN WITH 1/2" x 1/2" MESH OPENINGS. THE SCREEN SHALL CLAMPED ON WITH A STAINLESS STEEL CLAMP. THE OUTLET END OF THE UNDERDRAIN SHALL BE MARKED WITH A SUITABLE MARKER APPROVED BY THE ENGINEER.
6. THE UPSTREAM END OF THE UNDERDRAIN SHALL COMMENCE WITH A CLEANOUT. CLEANOUTS ARE REQUIRED IN THE UNDERDRAIN PIPE EVERY 150 FEET.

SCALE: NTS	DATE: 12/3/96	CITY AND BOROUGH OF JUNEAU, ALASKA	
DRAWN BY: DRW	CHECKED BY: JB/STAFF	UNDERDRAIN	
APPROVED BY: 	REVISED: 8/14/2011	STANDARD 113	