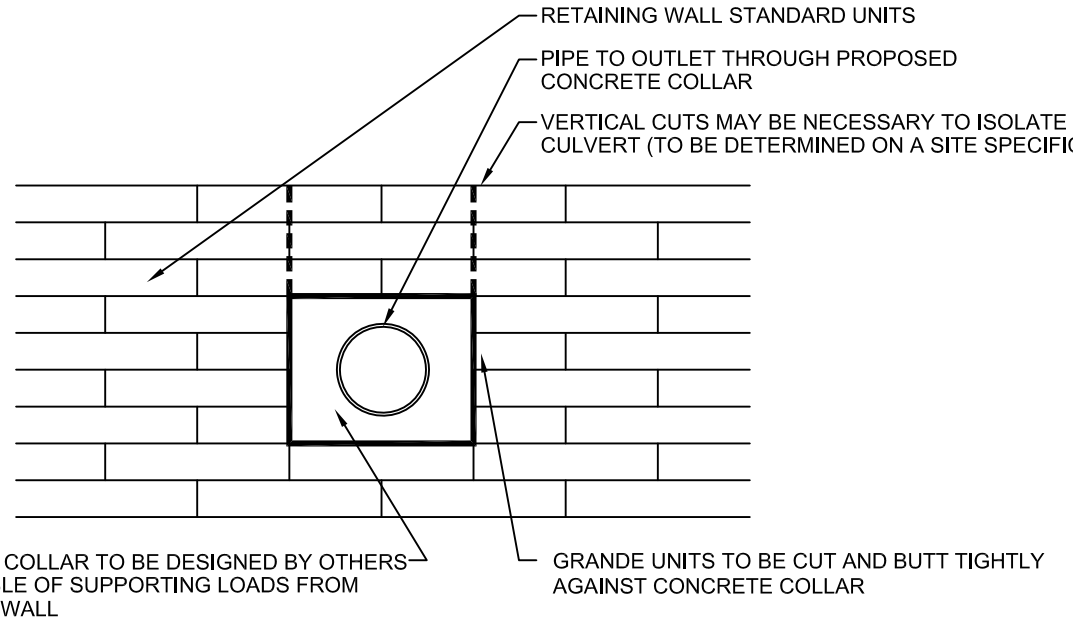
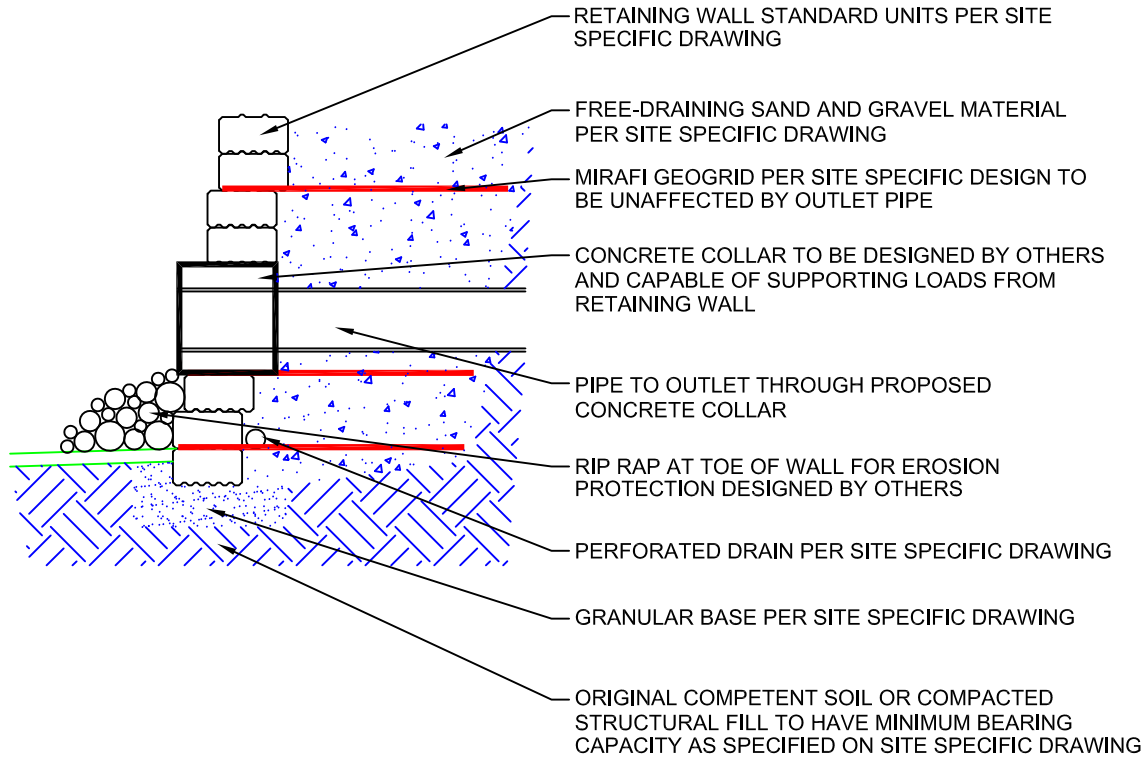
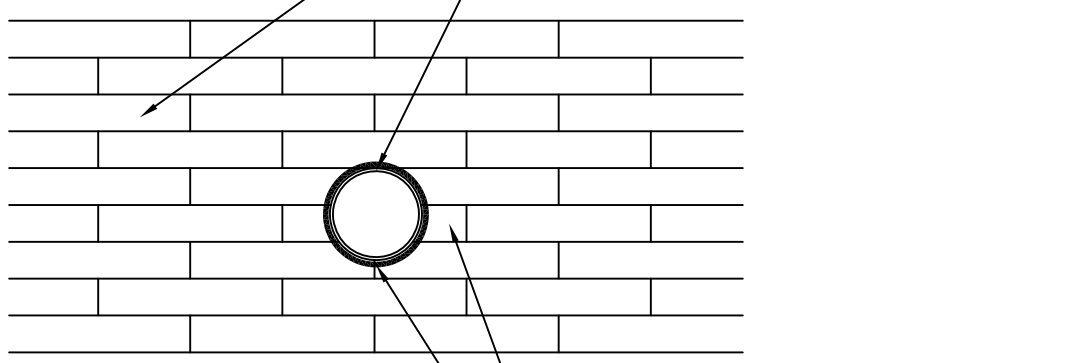
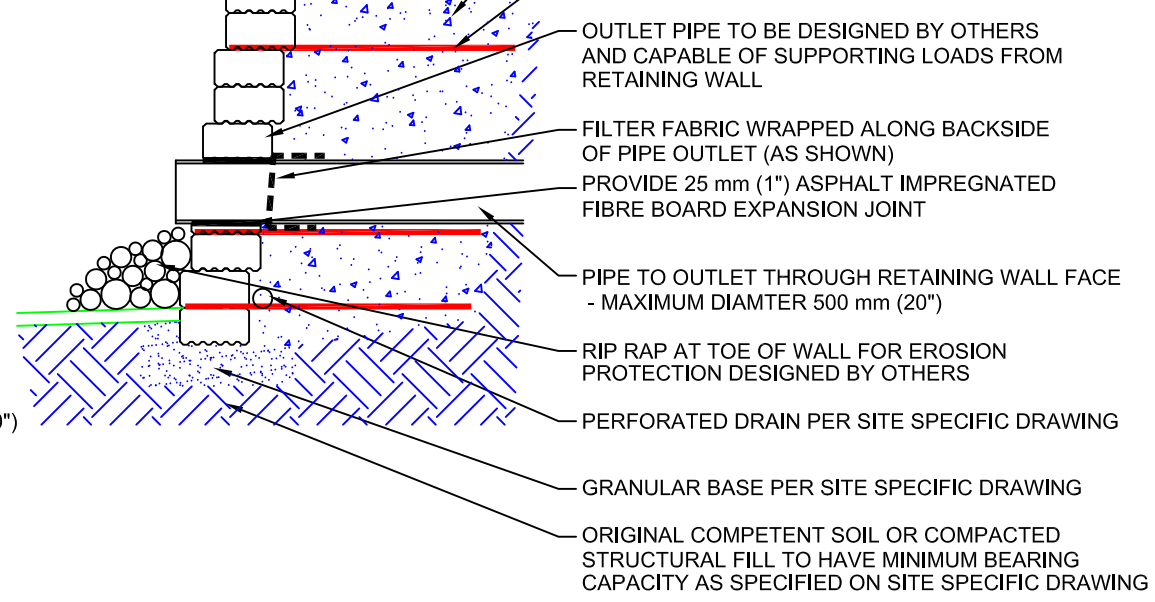




OPTION # 1



OPTION # 2



GENERAL NOTES:

1. FOR EXCAVATION, BASE PREPARATION AND BACKFILLING, PLEASE REFER TO STANDARD ENGINEERING OR SITE SPECIFIC DESIGN.

2. PIPE REQUIRED TO BE DESIGNED TO WITHSTAND ANY LOADING APPLIED BY THE RETAINING WALL. TO BE REVIEWED BY OTHERS PRIOR TO CONSTRUCTION.

3. UTILITIES TO BE INSTALLED IN CONJUNCTION WITH THE CONSTRUCTION OF THE RETAINING WALL

4. WHEN CONSTRUCTING GRAVITY WALLS WITH MULTISIZED BLOCKS, SAME PRINCIPAL APPLIES.

5. ALL PRODUCT NAMES AND STYLIZED REPRESENTATIONS ARE TRADEMARKS OF PERMACON PRODUCTS, OR APPROVED FOR USE BY PERMACON PRODUCTS' COMPANIES.

6. THE APPLICABILITY OF THIS RETAINING WALL DETAIL MUST BE REVIEWED ON A SITE SPECIFIC BASIS BY A QUALIFIED PROFESSIONAL ENGINEER.

REV.	DATE	DESCRIPTION	BY
0	JAN 1/08	ISSUED FOR USE	PAS

DRAWING:
RETAINING WALL
PIPE THROUGH WALL DETAIL

PROJECT:
Navascape Products
RETAINING WALL
STANDARD ENGINEERING

Navascape Products

NAVASCAPE
BY PERMACON

DESIGN ENGINEER:

DRAWN BY:	CH'D BY:
PAS	

DATE: NOVEMBER 14, 2007

SCALE: NOT TO SCALE

FILE NAME: GRANDE - Culvert Detail.DWG

DRAWING No.

PIPE THROUGH WALL DETAIL