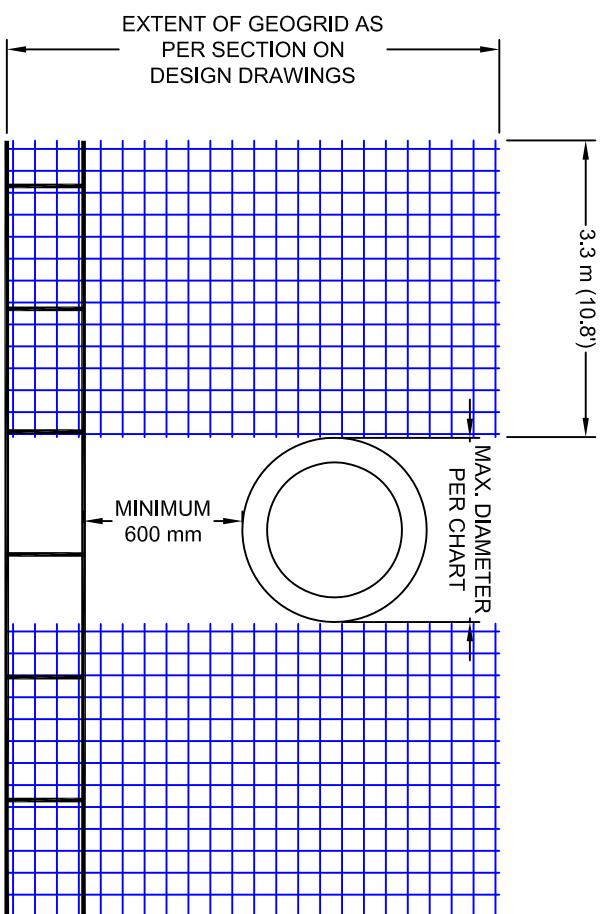
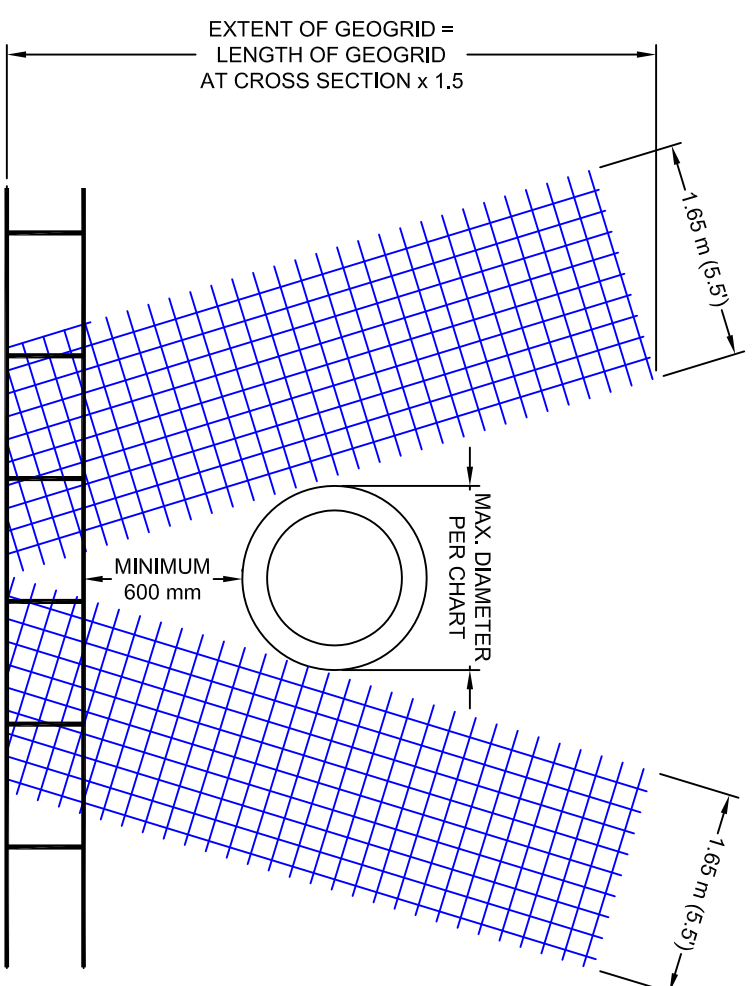


- NOTES:
 1) EACH LAYER TO ALTERNATE FROM DETAIL 1 TO DETAIL 3 DURING CONSTRUCTION AT VERTICAL OBSTRUCTIONS.
 2) OBSTRUCTION DETAIL TO BE DESIGNED ON A SITE SPECIFIC BASIS BY A QUALIFIED PROFESSIONAL ENGINEER.

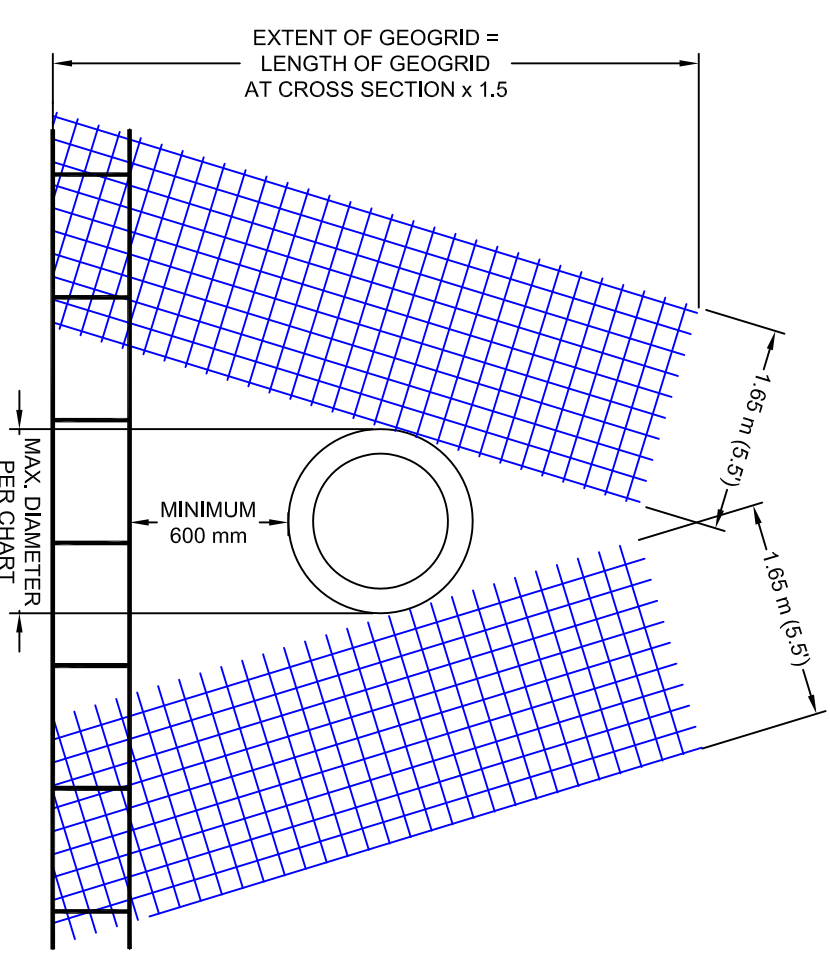
RETAINING WALL PRODUCT	MAXIMUM DIAMETER OF OBSTRUCTION
WALLSTONE WALL	1.2 m (4.0')
GRANDE WEDGE	1.2 m (4.0')
GRANDE STANDARD	1.5 m (5.0')
RB	1.2 m (4.0')



DETAIL # 1



DETAIL # 2



DETAIL # 3

DRAWING: **RETAINING WALL UTILITIES VERTICAL OBSTRUCTION DETAIL**

PROJECT: Navascape Products
RETAINING WALL
STANDARD ENGINEERING

PROJECT ENGINEER:

Navascape Products
Retaining Walls



NAVASCAP
BY PERMACON

DESIGN ENGINEER:

PML Peto MacCallum Ltd
CONSULTING ENGINEERS

DRAWN BY: PAS

DRAWING No.

DATE: NOVEMBER 9, 2007

WALL - VERTICAL OBSTRUCTION

SCALE: NOT TO SCALE

FILE NAME: WALL - Vertical Obstruction Detail.DWG

REV.	DATE	DESCRIPTION	BY
0	JAN 11/08	ISSUED FOR USE	PAS