



CONCRETE MASONRY RETAINING WALL

NOTES:

1. NATURAL STONE MASONRY WALL TO BE CONSTRUCTED USING SAND/CEMENT MORTAR OF 1:3 SAND CEMENT OR $f'c = 25 \text{ MPa}$. POINTED MORTAR JOINTS, ROCK TO BE EXPOSED ON FACE OF WALL.
2. ALL STONES TO BE LAID ON A BED OF MORTAR SUCH THAT THE FINISHED MORTAR THICKNESS IS AT LEAST 30mm BETWEEN INDIVIDUAL ROCKS. STONE SIZE TO BE BETWEEN 100 & 300mm.
3. BACKFILL SHALL NOT BE PLACED AGAINST THE REAR OF THE WALLS AT LEAST 21 DAYS AFTER CONSTRUCTION
4. OF THE WALLS.
5. ALL SERVICE TRENCHES UNDER OR ADJACENT TO MASONRY RETAINING WALL TO BE BACKFILLED AND COMPACTED
6. (TO 98% RELATIVE COMPACTION DENSITY) WITH CLASS 3 FCR.
7. WALL BASE TO BE KEYED INTO SURROUNDING NATURAL SOIL.
8. CONCRETE FOOTING STRENGTH SHALL BE 25 MPa .
9. STONE SHALL BE CAREFULLY PLACED IN CONCRETE BY HAND & ALL SPACES BETWEEN ROCKS PACKED & WEDGED
10. WITH SUITABLY SHAPED PALLS & CONCRETE.
11. RETAINING WALLS OVER 1000MM IN HEIGHT ARE REQUIRED TO BE CERTIFIED BY A REGISTERED STRUCTURAL ENGINEER.

RETAINING HEIGHT (H)	TOP WALL (W)	FOOTING BASE (B)	FOOTING DEPTH (D)
500	200	485	250
1000	300	750	250



City of Whittlesea

CONCRETE MASONRY
RETAINING WALL

SD 410

DATE: 27/05/2019

REV A