



NOTE:-
NO MATERIAL WITHIN 450mm OF THE FINAL SURFACE IS TO BE FROST SUSCEPTIBLE

NOTE:-
ALL PROPOSED ROADS ARE WITHIN AREAS

REQU

ALL EARTHWORKS SHOULD BE CARRIED OUT IN ACCORDANCE WITH SPECIFICATION 600. IN AREAS OF ROADS ALL EARTHWORKS SHOULD BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS SERIES 600.

ENGINEERING BRICKWORK

AND A WATER ABSORPTION RATE OF LESS THAN OR EQUAL TO 7%. ALL BRICKS TO BE OF FL/FN QUALITY. THIS RELATES TO FROST RESISTANCE AND DURABILITY PURPOSES FOR EXTERIOR WALLS. THE FOLLOWING ARE THE MINIMUM REQUIREMENTS FOR RETAINING WALLS. MORTAR DESIGNATION TO BE 1 OR R. MORTAR DESIGNATION 1 TO BE USED WHERE THERE IS A COPPING/COPING BUT NO WATERPROOFING ON THE RETAINING FACE. MORTAR TYPE 1 TO BE USED WHERE COPING AND WATERPROOFING IS REQUIRED. 100% OF THE JOINTS TO BE FILLED WITH MORTAR. 100% OF THE JOINTS TO BE FILLED WITH SULPHATE-RESISTING PORTLAND CEMENT MAY BE NECESSARY IN THE MORTAR DEPENDENT UPON GROUND CONDITIONS. IT IS STRONGLY RECOMMENDED THAT SUCH WALLS BE CONSTRUCTED WITH AN EFFECTIVE COPING. THE PROVISION OF AN EFFECTIVE COPING WITH A DPC AND WATERPROOFING OF THE RETAINING FACE OF THE WALL IS DESIRABLE.

FACING BRICK/CLAY MASONRY UNITS -

TO BE 1 OR 1 HD - F2 AND S1 OR S2 UNITS WITH MORTAR
DESIGNATION II TO BE USED WHERE THERE IS A CAPPING/COPING
BUT NO WATERPROOFING ON THE RETAINING FACE. MORTAR
TYPE II TO BE USED WHERE COPING AND WATERPROOFING IS
USED ON RETAINING FACE. WHERE S1 CLAY MASONRY UNITS ARE
USED SULPHATE - RESISTING PORTLAND CEMENT MAY BE
NECESSARY IN THE MORTAR DEPENDENT UPON GROUND
CONDITIONS. IT IS STRONGLY RECOMMENDED THAT SUCH WALL
BE BACKFILLED WITH FREE DRAINING MATERIALS. THE PROVISION
OF AN EFFECTIVE COPING WITH A DPC AND WATERPROOFING OF
THE RETAINING FACE OF THE WALL IS DESIRABLE.

AGGREGATE CONCRETE BRICKS

MORTAR TYPE II TO BE USED WHERE COPING AND WATERPROOFING IS USED ON RETAINING FACE. MINIMUM COMPRESSIVE STRENGTH CLASS OF $>33\text{N/mm}^2$ WITH MORTAR TYPE I OR II TO BE USED WHERE COPING/CAPPING WITH NO WATERPROOFING ON RETAINING FACE. IT IS STRONGLY RECOMMENDED THAT SUCH WALLS BE BACKFILLED WITH FREE DRAINING MATERIALS. THE PROVISION OF AN EFFECTIVE COPING WITH A DPC AND WATERPROOFING OF THE RETAINING FACE OF THE WALL IS DESIRABLE.

WHERE COPING/CAPPING WITH NO WATERPROOFING ON RETAINING FACE IS USED A MORTAR DESIGNATION I OR II SHOULD BE USED. SOME TYPES OF AUTOCLAVED AERATED CONCRETE BLOCKS AND AGGREGATE CONCRETE BLOCKS ARE NOT SUITABLE FOR THE ABOVE CONDITIONS - THE SPECIFIC MANUFACTURER SHOULD BE CONSULTED IN THESE OCCASIONS.

BLOCKWORK TO COMPLY WITH DS1-AC-1S SOIL CONDITIONS.

BACKFILL BEHIND WALL
PROVIDED 400mm DIA.

GRAVEL SURROUND.

WALLS TO BE BACKFILLED WITH GRANULAR MATERIAL AS AGREED WITH ENGINEER. NO 'ON SITE' MATERIAL TO BE USED FOR BACKFILLING WITHOUT WRITTEN AGREEMENT.

NO CONTRACTORS PLANT TO OPERATE BEHIND WALL DURING CONSTRUCTION OR ON COMPLETION OF RETAINING WALL.

SLOPE BEHIND WALL NOT TO EXCEED GRADIENT SHOWN ON SECTION DETAILS AT ANY TIME DURING CONSTRUCTION WORKS

FOUNDATION NOTES

CONCRETE TO BE GRADE C28/35.
FOUNDATION CONCRETE TO BE DS1-AC-1S GRADE IN
ACCORDANCE WITH 1-2005 B.R.E. SPECIAL DIGEST -2005
CONCRETE IN AGGRESSIVE GROUND.
50mm BLINDING TO FOUNDATIONS THROUGHOUT.

FORMATION LEVEL TO BE INSPECTED BY ENGINEER. ANY
REQUIRED OVERDIG TO BE BACKFILLED WITH LEAN MIX
CONCRETE OR TYPE 1 GRANULAR MATERIAL COMPACTED TO
D.O.T. SPECIFICATION.

TOP OF FOUNDATION NOT TO BE LOWERED BELOW DIMENSIONS
GIVEN ON SECTION DETAILS.

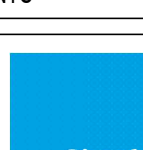


WHERE EXISTING GROUND LEVELS HAS BEEN EXCAVATED BELOW ORIGINAL / ASSUMED LEVELS
GROUND CAN BE MADE UP TO REQUIRED LEVEL USING BE BELOW.

GOOD QUALITY GRANULAR MATERIAL SHOULD BE USED.

- IT SHOULD BE FREE OF ANY ORGANIC MATTER.
- IT SHOULD NOT CONTAIN MORE THAN 15% FINES (I.E. NOT MORE THAN 15% BY WEIGHT OF PARTICLES OF SILT AND CLAY SIZE).
- IT SHOULD BE FREE DRAINING.
- IT SHOULD BE DURABLE AND NOT EASILY DEGRADED WITHIN THE DESIGN LIFE OF THE PLATFORM.
- THE MAXIMUM PARTICLE SIZE SHOULD NOT BE GREATER THAN 2/3 OF THE THICKNESS OF THE LAYERS IN WHICH THE MATERIAL IS COMPACTED OR 150mm WHICHEVER IS THE SMALLER. (POSITIONAL TOLERANCES OF SOME PILES CANNOT BE MAINTAINED USING PLATFORM MATERIAL WITH PARTICLES AS LARGE AS 150mm AND IN SUCH CASES A SMALLER MAXIMUM PARTICLE SIZE OF, SAY, 75mm IS REQUIRED.)

ENGINEER TO INSPECT GROUND BUILD UP PRIOR TO THE WORKS PRIOR TO CONSTRUCTION OF WALL.

B		GARDEN RETAINING WALL DETAILS ADDED	21.02.24	AM	SC
B		2.3m RETAINING WALL DETAIL ADDED	31.01.24	FM	BM
Rev.	Description	Date	Info	Checked	
INITIAL COMMENTS					
Status SIMPLY UCD					
Location COLDHARBOUR ROAD, NORTH-FLEET, GRAVESEND, DA11 8NT					
Drawing title EXTERNAL CONSTRUCTION DETAILS					
Date 24.01.24	Drawn by 9630	Profile AS SHOWN	Checked by BM	Issue 0003	Rev B
www.cordoba.co.uk					8