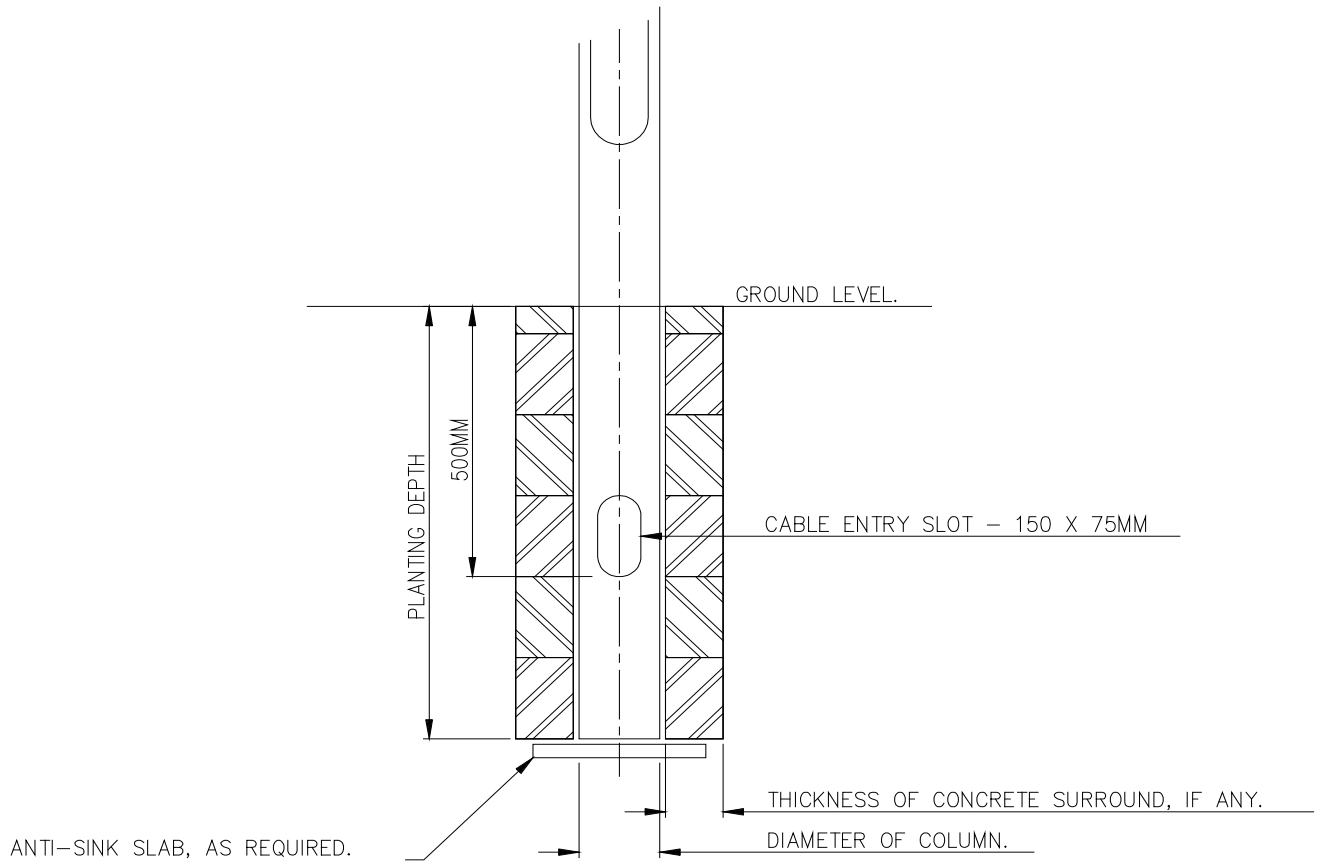


Rooted Column Foundation Instructions



1. FOR PLANTING DEPTH & THICKNESS OF CONCRETE SURROUND SEE EITHER SPECIFIC COLUMN DATA SHEET OR PREVIOUS TABLES
2. FOR DIAMETER OF COLUMN SEE PREVIOUS TABLES
3. SOIL TYPE FACTOR G IS TAKEN FROM BS5649 / EN40 PART2, OR SEE TABLE BELOW
4. THIS DIAGRAM IS TO BE READ IN CONJUNCTION WITH THE FOUNDATION GUIDANCE NOTES.
5. A SUITABLE PRE-FORMED DUCT SHOULD BE INSERTED FOR PROTECTION OF THE CABLE.
6. THE HOLE SHOULD BE EXCAVATED TO THE DEPTH REQUIRED FOR THE ROOT FOR THE PARTICULAR COLUMN, KEEPING THE WIDTH OF THE HOLE TO A MINIMUM & CREATING AS LITTLE DISTURBANCE AS POSSIBLE TO THE SURROUNDING SOIL.
 A CONCRETE OR PAVING SLAB MAY BE REQUIRED IN PARTICULARLY SOFT GROUND TO PREVENT SINKING. WHERE THE HOLE IS TO BE BACKFILLED WITH CONCRETE, THE CONCRETE SHOULD EXTEND FROM THE BASE OF THE COLUMN TO JUST BELOW GROUND LEVEL.
 WHERE THE HOLE IS TO BE BACKFILLED WITH THE EXCAVATED MATERIAL OR WITH MATERIAL OF BETTER QUALITY, THE BACKFILLING MATERIAL SHOULD BE PLACED IN LAYERS NOT EXCEEDING 150MM THICK AND WELL COMPACTED.
7. FOR UNDETERMINED OR UNUSUAL SOIL CONDITIONS GUIDANCE SHOULD BE SOUGHT FROM A CIVIL ENGINEER.

G	SOIL TYPE
630	GOOD: COMPACT, WELL GRADED SAND & GRAVEL, HARD CLAY, WELL GRADED FINE & COARSE SAND, DECOMPOSED GRANITE ROCK & SOIL, WELL DRAINED.
390	AVERAGE: COMPACT FINE SAND, MEDIUM CLAY, COMPACT WELL DRAINED SANDY LOAM, LOOSE COARSE SAND & GRAVEL, SUFFICIENTLY DRAINED.
230	POOR: SOFT CLAY, CLAY LOAM, POORLY COMPACTED SAND, CLAYS CONTAINING HIGH AMOUNTS OF SILT & VEGETABLE MATTER, MADE GROUND, POORLY DRAINED.