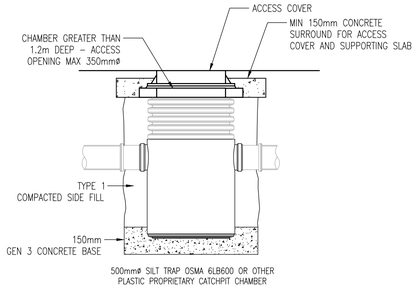
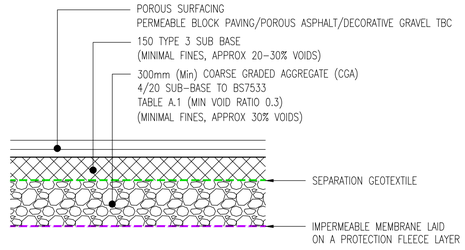


450mm PLASTIC INSPECTION CHAMBER



SILT TRAP



PERMEABLE PAVEMENT DRIVEWAY

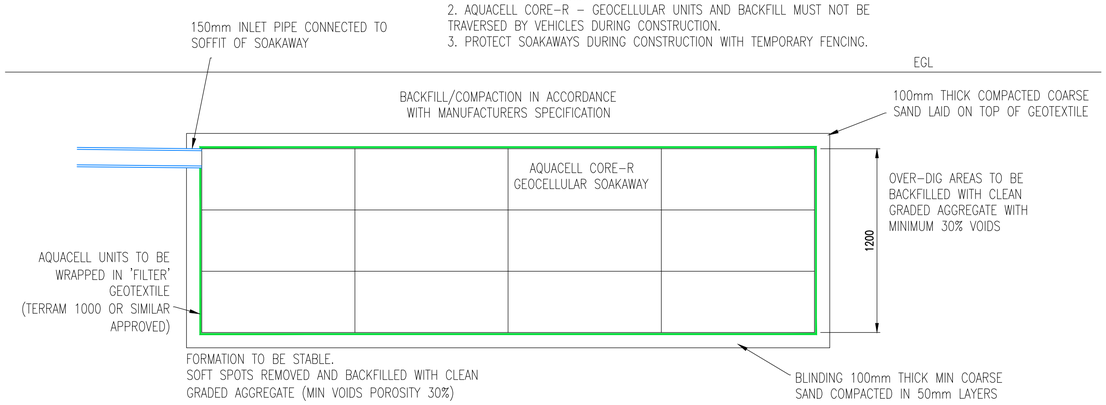
ASSUMED CBR = 4%

DEPTH OF LOWER SUB BASE/CAPPING REQUIREMENT TO BE CONFIRMED FOLLOWING CBR RESULTS

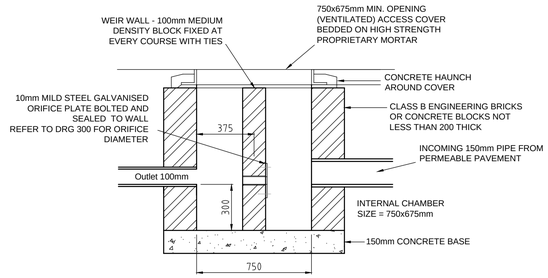
NOTES

1. ALL FORMATION LEVELS ARE TO BE SOLID AND STABLE. SOFT SPOTS TO BE REMOVED AND BACKFILLED WITH SUB BASE/CGA/CAPPING MATERIAL TO SUIT PAVEMENT TYPE.
2. CAPPING TO BE IN ACCORDANCE WITH SPECIFICATION FOR HIGHWAY WORKS 600 SERIES AND COMPACTED AS PER TABLE 6/1. OR RECYCLED MATERIAL GRADED AND TESTED IN ACCORDANCE WITH SHW TABLE 6/1 AS CAPPING MATERIAL (TO BE CONFIRMED BY CONTRACTOR AND CHECKED BY ENGINEER)
3. SUB BASE MATERIAL, LAYING AND COMPACTION TO BE IN ACCORDANCE WITH SPECIFICATION FOR HIGHWAY WORKS 800 SERIES.
4. SUB BASE/CGA MATERIAL MUST NOT BE TRACKED BY CONSTRUCTION VEHICLES OTHER THAN REQUIRED FOR CONSTRUCTING THE PAVEMENT. AREAS REQUIRED FOR CONSTRUCTION ACCESS TO BE PROTECTED BY A MINIMUM 150mm LAYER OF COMPACTED 'SACRIFICIAL' TYPE 1 MATERIAL, LAID ON A GEOTEXTILE.
5. SUBGRADE MUST NOT BE LEFT EXPOSED AND MUST BE BACKFILLED IMMEDIATELY WITH STONE/GEOTEXTILE AS PER PAVEMENT DETAILS. SUBGRADE MUST NOT BE TRACKED BY CONSTRUCTION VEHICLES.
6. SUB BASE/CGA DEPTH TO BE DETERMINED FOLLOWING ONSITE SITE CBR TESTS.
7. CONCRETE TO BE GEN3 UNLESS OTHERWISE STATED

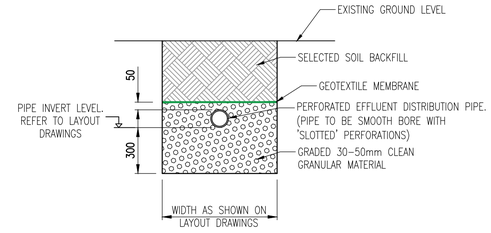
NOTES
1. GEOCELLULAR UNITS TO BE INSTALLED IN ACCORDANCE WITH AQUACELL'S SPECIFICATION AND GUIDELINES
2. AQUACELL CORE–R – GEOCELLULAR UNITS AND BACKFILL MUST NOT BE TRAVERSED BY VEHICLES DURING CONSTRUCTION.
3. PROTECT SOAKAWAYS DURING CONSTRUCTION WITH TEMPORARY FENCING.



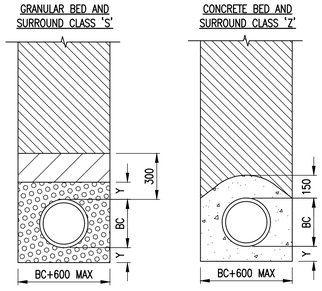
SOAKAWAY DETAIL



FLOW CONTROL CHAMBER



DRAINAGE FIELD DISTRIBUTION TRENCH



PIPE BEDDING DETAILS

KEY

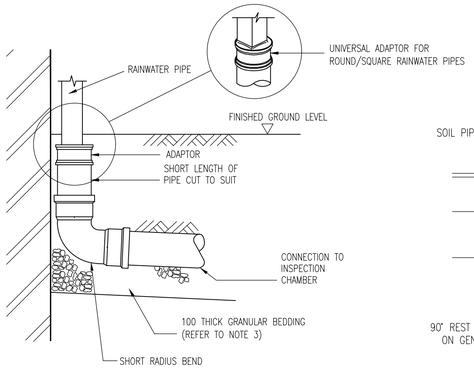
- ADOPTED HIGHWAY – TYPE 1 GRANULAR SUB BASE. BLOCK PAVED ACCESS ROAD – CGA COARSE GRADED AGGREGATE 4/20 LANDSCAPED AREAS – SUITABLE BACKFILL
- SELECTED SIDEFILL AND SURROUND.
- SINGLE SIZE GRANULAR BEDDING MATERIAL
- GEN3 CONCRETE BED AND SURROUND.

DN = NOMINAL INTERNAL DIAMETER OF PIPE.
BC = OUTSIDE DIAMETER OF PIPE.

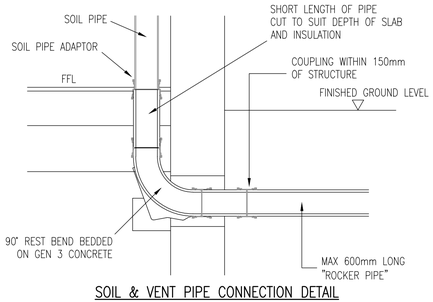
DIMENSION Y

CLASS	MACHINE DUG UNIFORM SOIL	ROCK OR MIXED SOILS
S & Z	NOTE (i)	NOTE (ii)

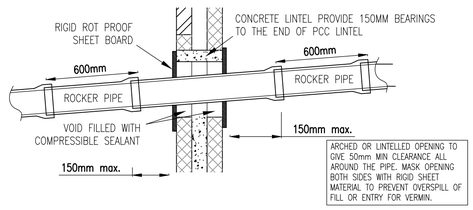
(i) Y=BC/6, WITH MIN 100 UNDER BARRELS (50 FOR SLEEVE JOINTED) AND MIN 50 UNDER SOCKETS, WHICHEVER IS THE GREATER, WITH MAX OF 400.
(ii) Y=BC/4, WITH MIN 200 UNDER BARRELS (150 FOR SLEEVE JOINTED) AND MIN 150 UNDER SOCKETS, WHICHEVER IS THE GREATER, WITH A MAX OF 400.



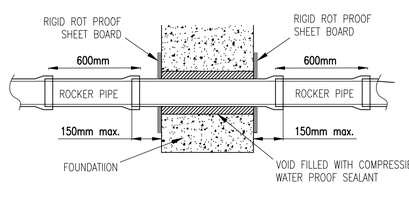
RAIN WATER PIPE CONNECTION DETAIL



SOIL & VENT PIPE CONNECTION DETAIL



TYPICAL SECTION PIPE PASSING THROUGH WALL
PIPE THROUGH LINTELLED OPENING



PIPE PENETRATING FOUNDATION DETAIL

P2	15-01-24	RH		Flow control detail added, Perm pavement detail revised
P1	24-11-23	RH		First Issue
REV	DATE	CAD	CHKD	DESCRIPTION

STATUS: Preliminary

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12 Dowry Square, Hotwells, Bristol, BS8 4SH

CLIENT: TONY ILES

PROJECT: BURBERRY HOUSE

DRAWING: Drainage Details

SCALE: n/a SIZE: A1 FIRST ISSUE: Nov 23

CAD: ENG: CHECKED:

PROJECT.No	COMPANY	VOLUME	LEVEL	TYPE	ROLE	DRAWING.No	REV
223123	KB2	XX	00	DR	S	310	P2

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