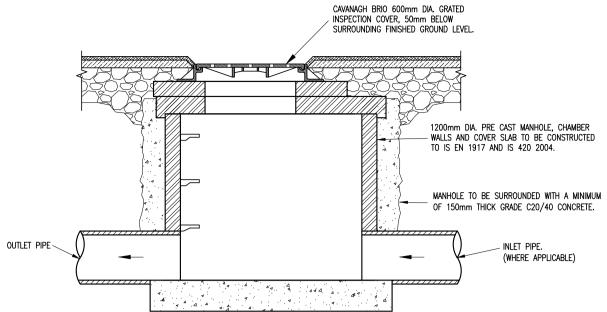
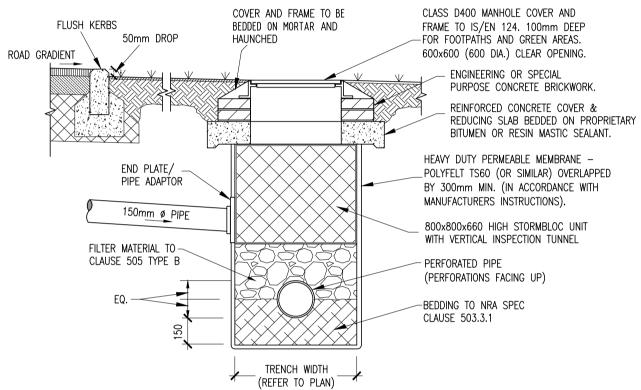


TYPICAL SERVICES PROTECTION DETAIL
SCALE 1:25



GRATED MANHOLE INLET CHAMBER - CROSS-SECTION SCALE: N.T.S.



GULLY CONNECTION TO FILTER DRAIN

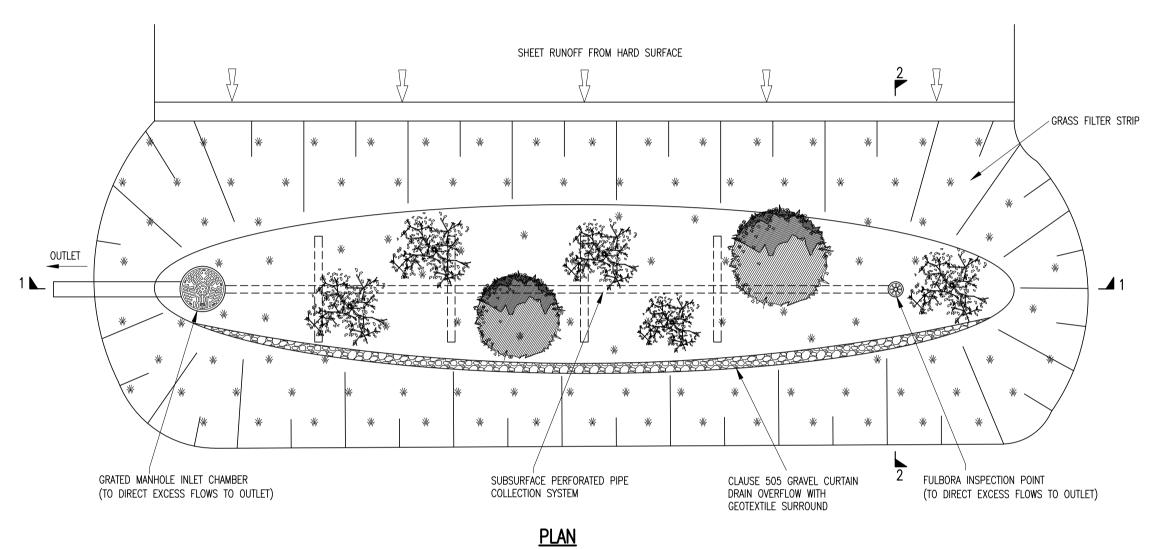
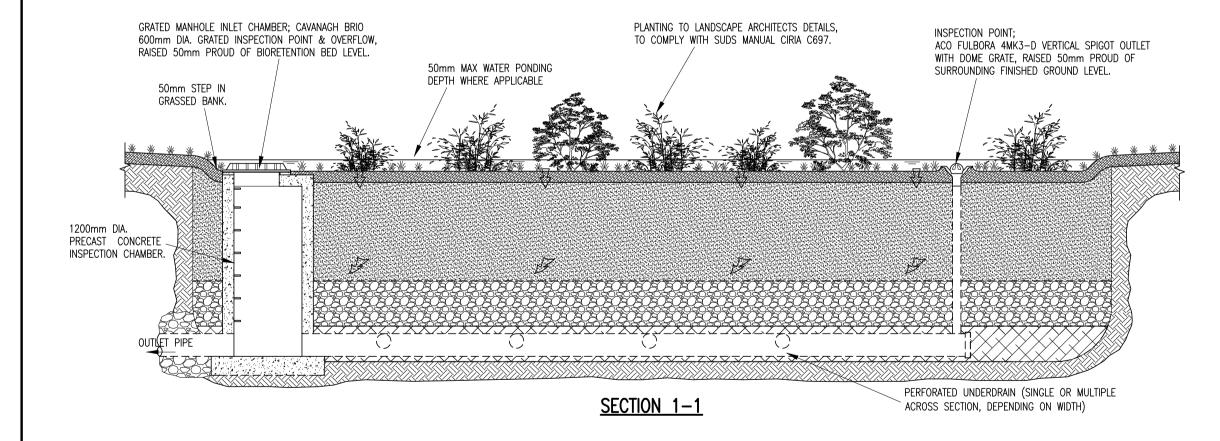
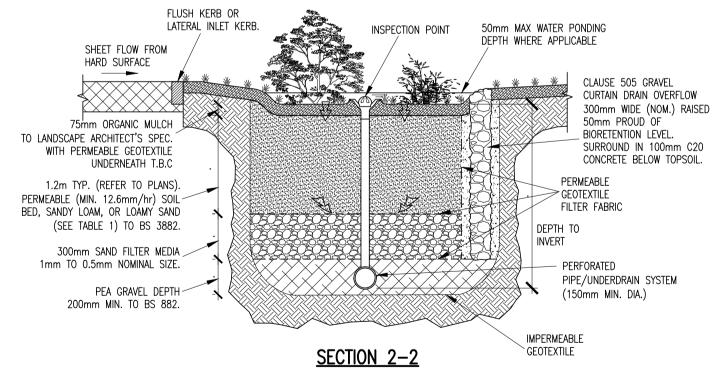


TABLE 1	
PERCENTAGE MIXTURE	
35-60%	
30-50%	
10-25%	
0-4%	
_	





BIORETENTION AREA - SCHEMATIC LAYOUT

P1 03-12-19 FOR ABP APPLICATION
REV. DATE DESCRIPTION **PLANNING** DESIGNED SPB DATE OCT 2019 CHECKED DUBLIN OFFICE Ormond House, Upper Ormond Quay, Dublin 7, Ireland. PHONE +353 1 400 4000 FAX +353 1 400 4050 WATERFORD OFFICE Unit 2, The Chandlery, 1-2 O' Connell Street, Waterford, Ireland. PHONE +353 51 309 500 FAX +353 51 844 913 DBFL Consulting Engineers EMAIL info@dbfl.ie SITE www.dbfl.ie PROPOSED DEVELOPMENT AT CORNELSCOURT

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. WHERE ROCKS OR OTHER HARD TRENCH BOTTOM IS

TYPE 1 GRANULAR MATERIAL:

RETAINED ON 5mm SIEVE.

5mm SIEVE.

RECOMMENDATIONS

EN1916 AND IS 6 2004.

TYPE 2 GRANULAR MATERIAL :

CLAUSE 601 S.R.W. BACKFILL:

STONES RETAINED ON A 37.5mm SIEVE.

ENCOUNTERED. THE FIGURE DENOTED BY * IS TO BE DOUBLED.

BROKEN STONE OR GRAVEL TO PASS 10mm SIEVE AND BE

BROKEN STONE OR GRAVEL TO PASS 10mm - 25mm SIEVE, ACCORDING TO PIPE SIZE, (SEE TABLE) AND BE RETAINED ON

UNIFORM READILY COMPACTED MATERIAL FREE FROM TREE ROOTS,

VEGETABLE MATTER, BUILDING DEBRIS, AND FROZEN SOIL AND

EXCLUDING CLAY LUMPS RETAINED ON A 75mm SIEVE AND

. RIGID PIPES SHALL MEAN CAST OR SPUN IRON, CONCRETE OR

REQUIREMENTS OF I.S./E.N./124 1994. GULLIES SHALL BE CLASS

GULLY WALLS SHALL BE CONSTRUCTED IN CLASS 30N/mm2

PRECAST OR INSITU CONCRETE OR ALTERNATIVELY IN SOLID

CONCRETE BLOCKS DESIGNATED S10, STRENGTH 10N/mm2

. SURFACE WATER SEWERS TO BE CLASS H CONCRETE TO IS

. ALL PIPES TO BE BEDDED IN ACCORDANCE WITH MANUFACTURERS

. GULLY GRATINGS AND FRAMES SHALL COMPLY WITH THE

DRG. TITLE

TYPICAL DRAINAGE CONSTRUCTION DETAILS SHEET 3

CORNEL LIVING LIMITED

AS SHOWN @A1 FILE REF. 180208-DBFL-XX-XX-DR-C-301

180208-DBFL-XX-XX-DR-C-3012 | P1

