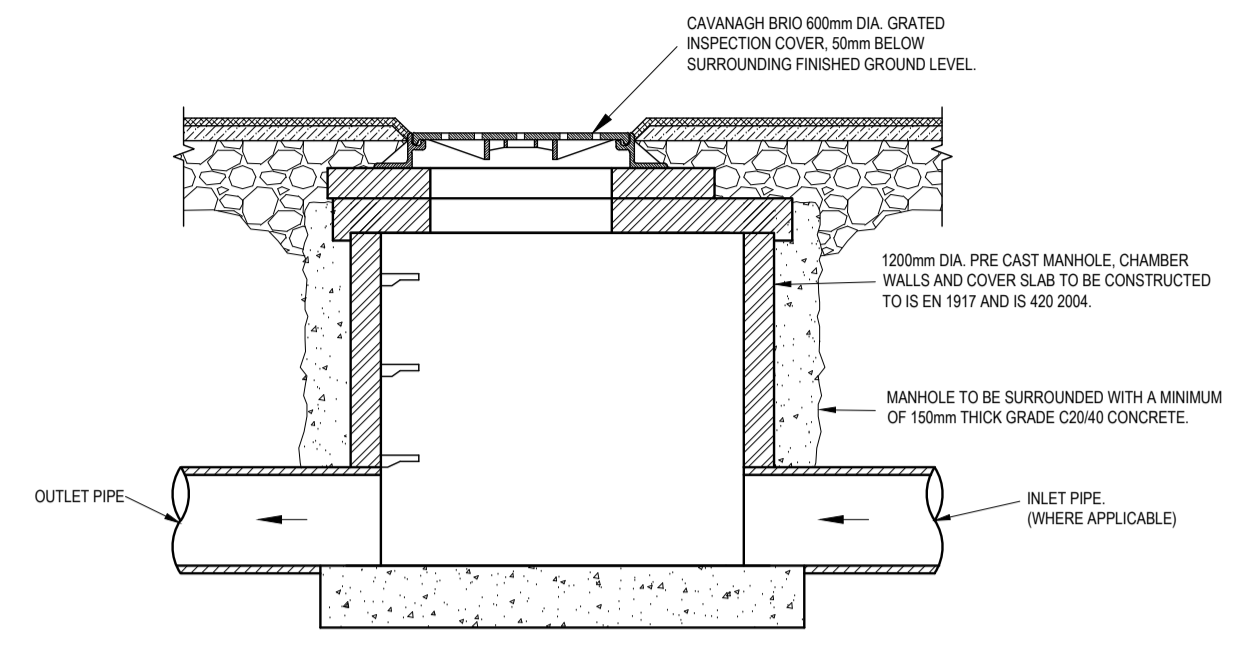
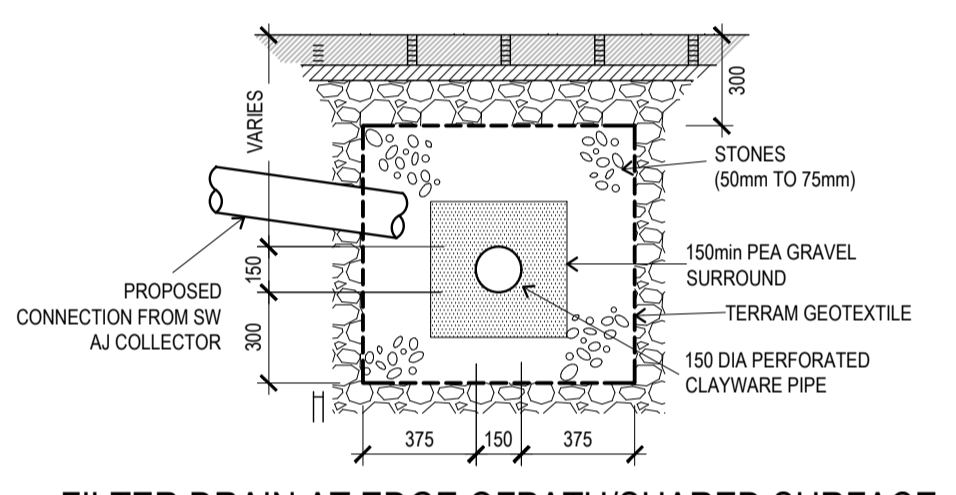


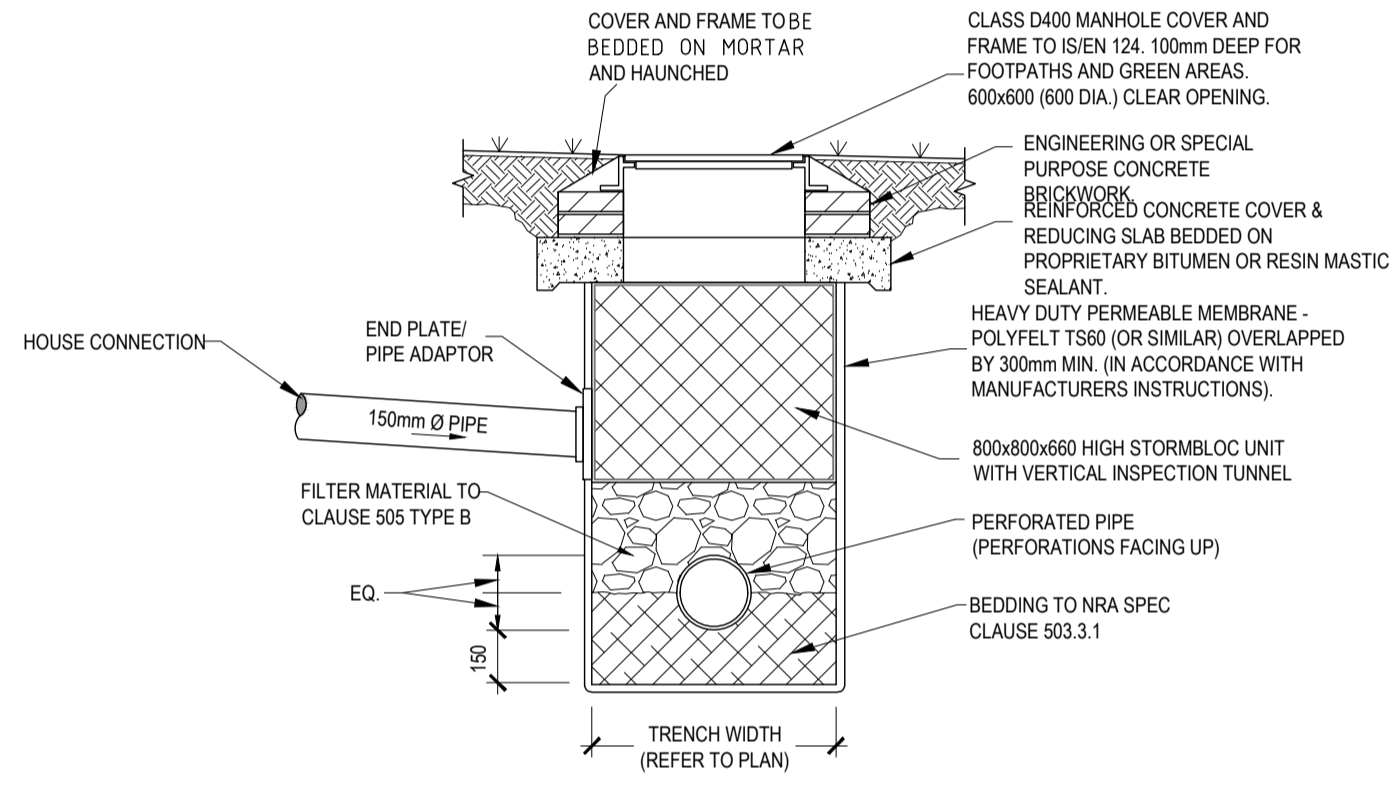
TYPICAL SERVICES PROTECTION DETAIL  
SCALE 1:25



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



FILTER DRAIN AT EDGE OF PATH/SHARED SURFACE



INFILTRATION TRENCH / FILTER DRAIN (TO REAR OF HOUSES ALONG EASTERN BOUNDARY)  
SCALE: NTS

- NOTES:
- WHERE ROCKS OR OTHER HARD TRENCH BOTTOM IS ENCOUNTERED, THE FIGURE DENOTED BY \* IS TO BE DOUBLED.
  - TYPE 1 GRANULAR MATERIAL : BROKEN STONE OR GRAVEL TO PASS 10mm SIEVE AND BE RETAINED ON 5mm SIEVE.
  - TYPE 2 GRANULAR MATERIAL : BROKEN STONE OR GRAVEL TO PASS 10mm - 25mm SIEVE, ACCORDING TO PIPE SIZE, (SEE TABLE) AND BE RETAINED ON 5mm SIEVE.
  - CLAUSE 601 S.R.W. BACKFILL : 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 STONES RETAINED ON A 37.5mm SIEVE.
  - RIGID PIPES SHALL MEAN CAST OR SPUN IRON, CONCRETE OR CLAY.
  - GULLY GRATINGS AND FRAMES SHALL COMPLY WITH THE REQUIREMENTS OF I.S./E.N/124 1994. GULLIES SHALL BE CLASS D400.
  - GULLY WALLS SHALL BE CONSTRUCTED IN CLASS 30N/mm<sup>2</sup> PRECAST OR INSITU CONCRETE OR ALTERNATIVELY IN SOLID CONCRETE BLOCKS DESIGNATED S10, STRENGTH 10N/mm<sup>2</sup>
  - ALL PIPES TO BE BEDDED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS
  - SURFACE WATER SEWERS TO BE CLASS H CONCRETE TO IS EN1916 AND IS 6 2004.

P3	22-11-21	FOR SHD APPLICATION	JVS	BK
P2	22-11-21	FOR SHD APPLICATION	JVS	BK
P1	03-12-19	FOR ABP APPLICATION	JVS	BK
REV.	DATE	DESCRIPTION	BY	CHKD.

**PLANNING**

DESIGNED	SPB	PREPARED	JVS
DATE	OCT 2019	CHECKED	BK

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PROJECT  
**PROPOSED DEVELOPMENT AT CORNELSCOURT**

DRG. TITLE  
**TYPICAL DRAINAGE CONSTRUCTION DETAILS SHEET 3**

CLIENT  
**CORNEL LIVING LIMITED**

SCALE	AS SHOWN @A1	FILE REF.	180208-DBFL-XX-XX-DR-C-3011
DRG. NO.	180208-DBFL-XX-XX-DR-C-3012		P3