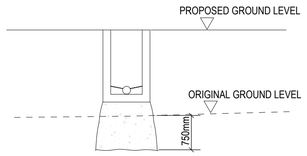
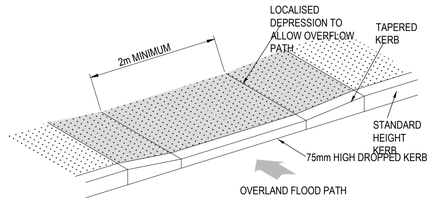
MANHOLES IN BUILT-UP GROUND TO BE CONSTRUCTED OF LEAN-MIX CONCRETE WHICH IS TO BE TAKEN TO A MINIMUM DEPTH OF 750mm BELOW ORIGINAL GROUND LEVEL.

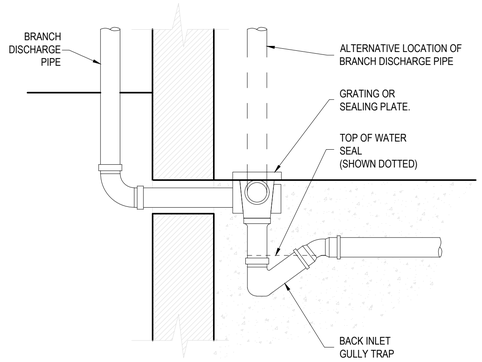



NOTE: ALL DRAINS ABOVE EXISTING GROUND LEVEL TO BE CONSTRUCTED BY FIRST STRIPPING TOPSOIL AND MAKING UP GROUND TO PROPOSED LEVELS. TRENCH EXCAVATION THEN TO BE CARRIED OUT TO ORIGINAL STRIPPED GROUND LEVEL AND GRANULAR MATERIAL TO BE LAID IN WELL-COMPACTED LAYERS (MAX. 150mm THICK) TO INVERT LEVEL. PIPE THEN TO BE LAID.

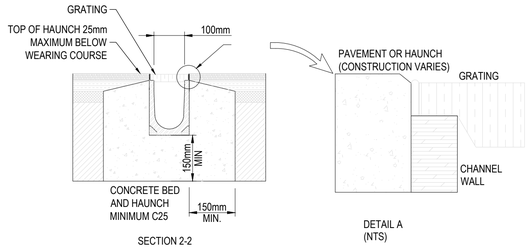
## DRAINS IN BUILT-UP GROUND

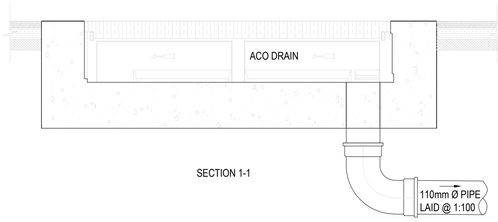



DROPPED KERB
(FOR OVERLAND FLOWPATH)

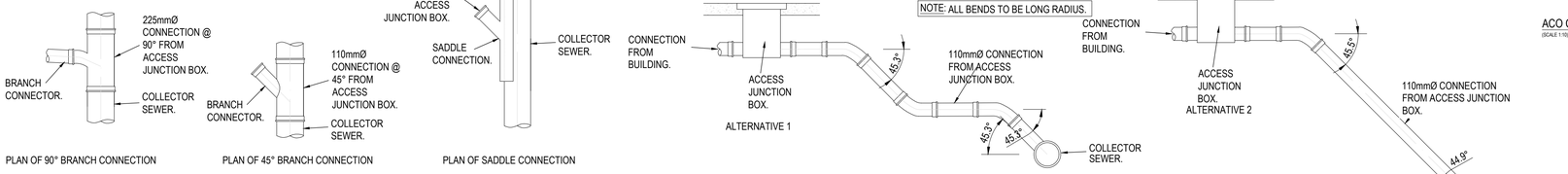



## BACK INLET GULLY TRAP

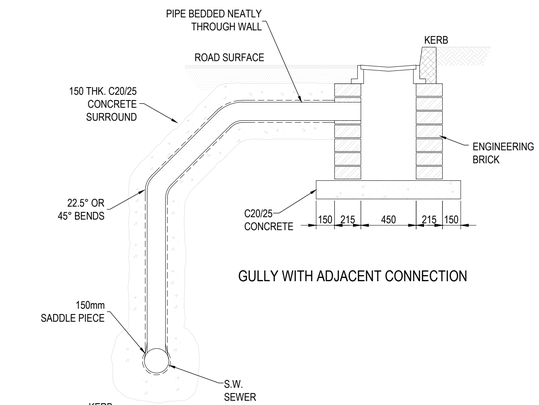


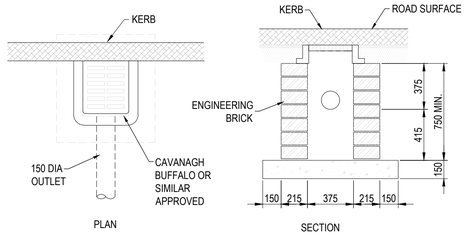



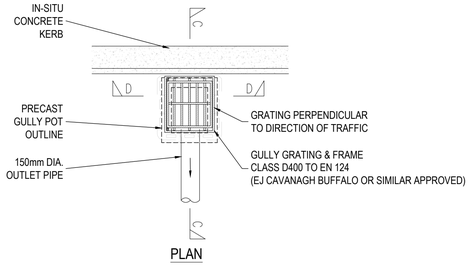

ACO CHANNELS
(SCALE 1:10)



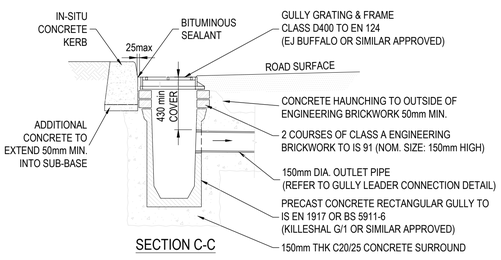

## SADDLE CONNECTION FROM ACCESS JUNCTION (AJ) BOX TO COLLECTOR SEWER



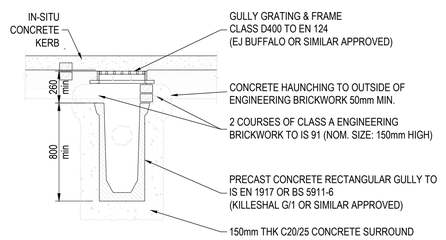



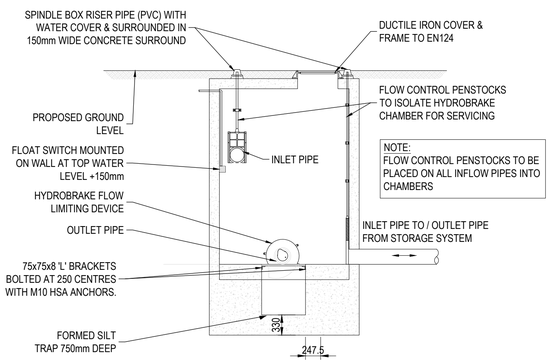

PLAN



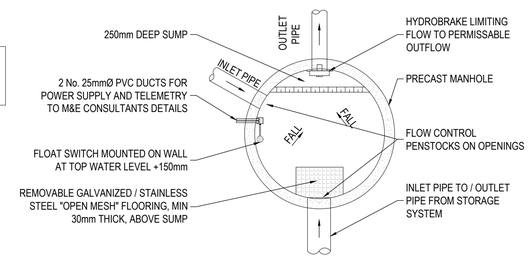

SECTION C-C



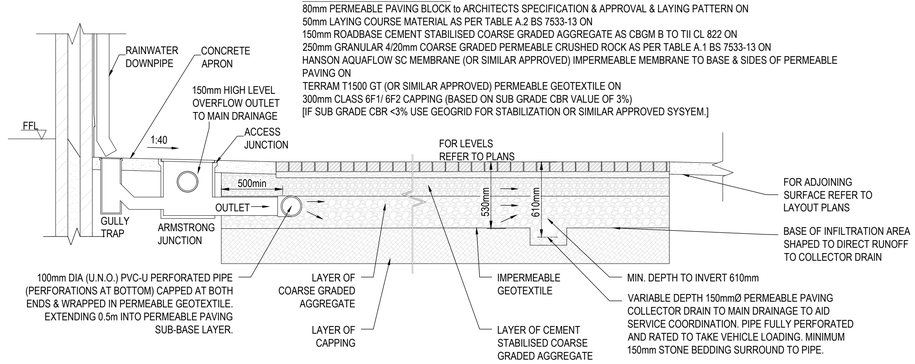

SECTION D-D
RECTANGULAR PRECAST ROAD GULLY DETAIL




SECTION THROUGH HYDROBRAKE MANHOLE
SCALE 1:50




TYPICAL PLAN OF HYDROBRAKE MANHOLE
SCALE 1:50




DRIVEWAY - PERMEABLE PAVING :
80mm PERMEABLE PAVING BLOCK to ARCHITECTS SPECIFICATION & APPROVAL & LAYING PATTERN ON
50mm LAYING COURSE MATERIAL AS PER TABLE A.2 BS 7533-13 ON
150mm ROADBASE CEMENT STABILISED COARSE GRADED AGGREGATE AS CBGM B TO TII CL 822 ON
250mm GRANULAR 4/20mm COARSE GRADED PERMEABLE CRUSHED ROCK AS PER TABLE A.1 BS 7533-13 ON
HANSON AQUAFLOW SC MEMBRANE (OR SIMILAR APPROVED) IMPERMEABLE MEMBRANE TO BASE & SIDES OF PERMEABLE PAVING ON
TERRAM T1500 GT (OR SIMILAR APPROVED) PERMEABLE GEOTEXTILE ON
300mm CLASS 6F1/ 6F2 CAPPING (BASED ON SUB GRADE CBR VALUE OF 3%)
[IF SUB GRADE CBR <3% USE GEOGRID FOR STABILIZATION OR SIMILAR APPROVED SYSYEM.]

TYPICAL HOUSE DRAINAGE & TANKED INFILTRATION PERMEABLE PAVING SECTION
SCALE : NTS

27/05/2026

# FOR PLANNING

| REV | DESCRIPTION | BY | DATE |
|---|---|---|---|
| P01 | FOR COSTING | MM | 06.03.26 |
| P02 | PART 8 PLANNING | ED | 19.06.26 |

NOTES:
1. C20/25 CONCRETE TO HAVE A MINIMUM CEMENT CONTENT OF 260Kg/m$^3$, MAXIMUM WATER/CEMENT RATIO OF 0.65 AND SLUMP CLASS S2.
2. C25/30 CONCRETE TO HAVE A MINIMUM CEMENT CONTENT OF 280Kg/m$^3$, MAXIMUM WATER/CEMENT RATIO OF 0.65 AND SLUMP CLASS S2.
3. C40/50 CONCRETE TO HAVE A MINIMUM CEMENT CONTENT OF 400Kg/m$^3$, MAXIMUM WATER/CEMENT RATIO OF 0.45 AND SLUMP CLASS S3.
4. WHERE CLASS 6F1/6F2 CAPPING MATERIAL IS PROPOSED WITHIN 500mm OF CONCRETE OR STEEL, CLASS 6N TO BE USED INSTEAD.

NOTE:
ALL WORKS & SPECIFICATIONS TO BE UNDERTAKEN IN ACCORDANCE WITH
- TII SPECIFICATION FOR ROADWORKS
- GREATER DUBLIN CODE OF PRACTICE FOR DRAINAGE WORKS
- RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS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PROJECT
NEW RESIDENTIAL DEVELOPMENT
HARBOUR ROAD
MULLINGAR, Co. WESTMEATH

CLIENT
WESTMEATH COUNTY COUNCIL

TITLE
CIVIL STANDARD DETAILS
SHEET 3

| DISCIPLINE | | | SCALE |
|---|---|---|---|
| CIVIL | | | NTS |
| DRAWN | DESIGNED | CHECKED | APPROVED |
| MM | AM | AL | AL |
| DRAWING No | | | ISSUE |
| 26019-MHT-XX-ZZ-DR-C-0702 | | | P02 |