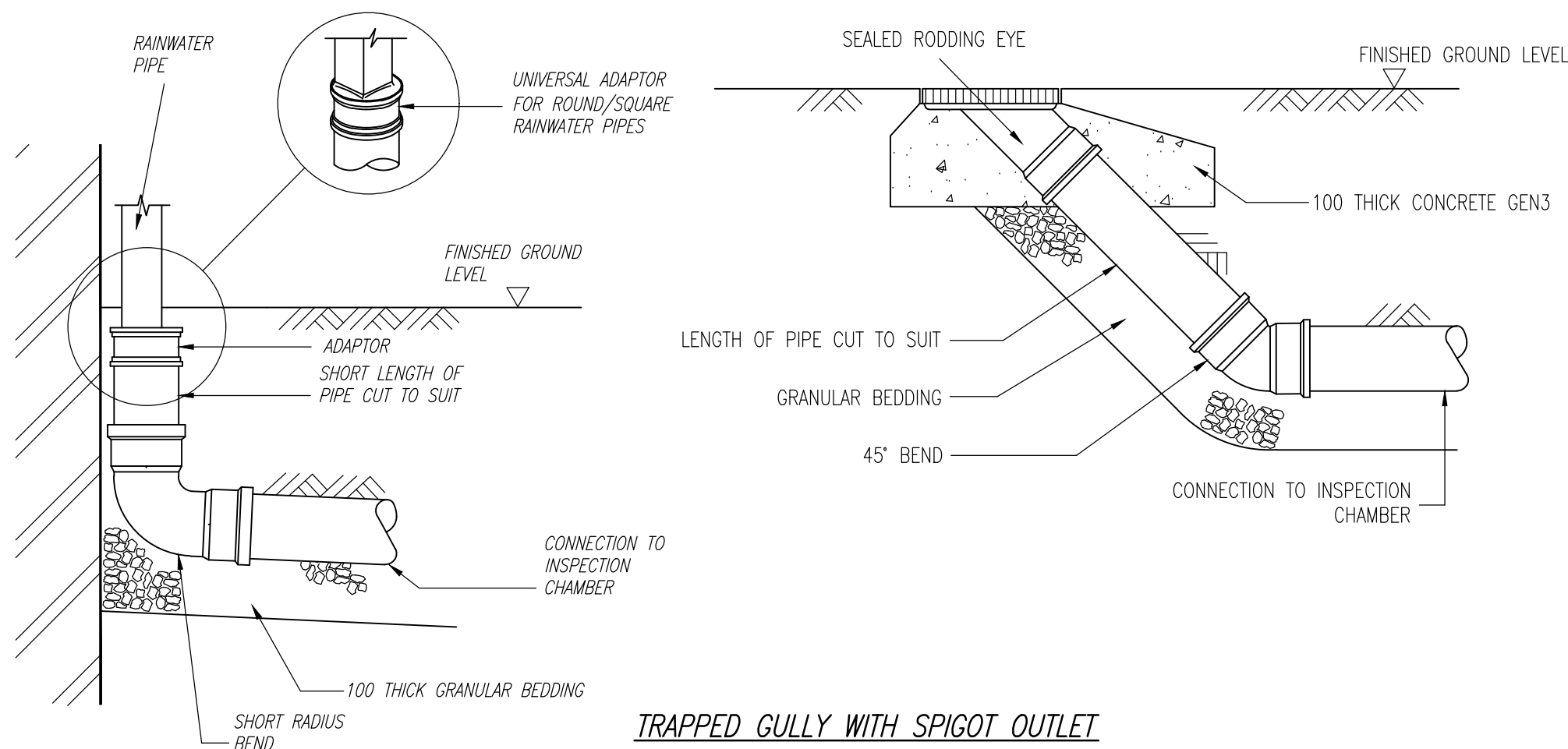
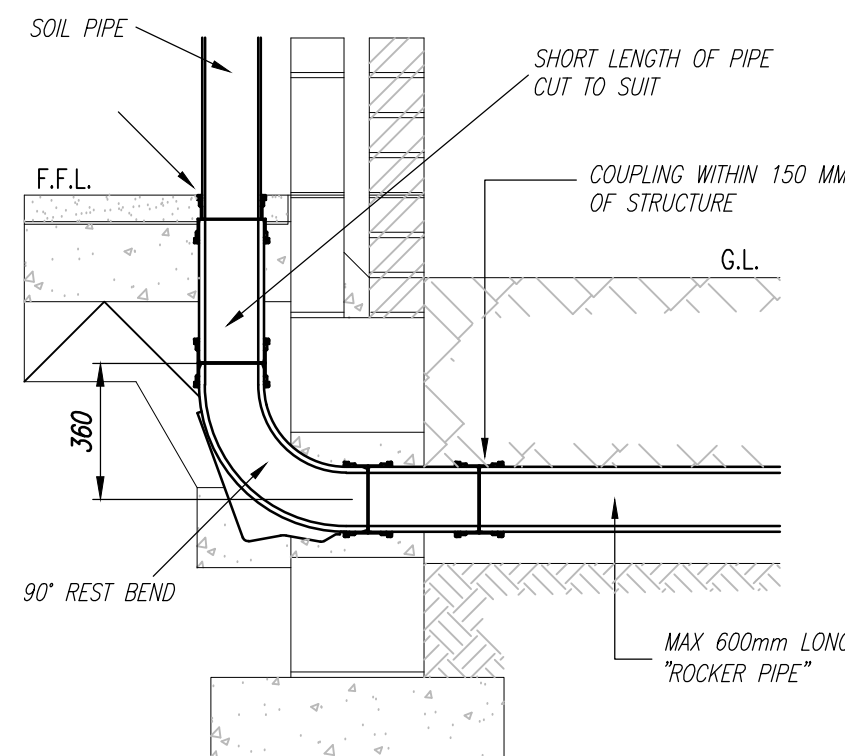


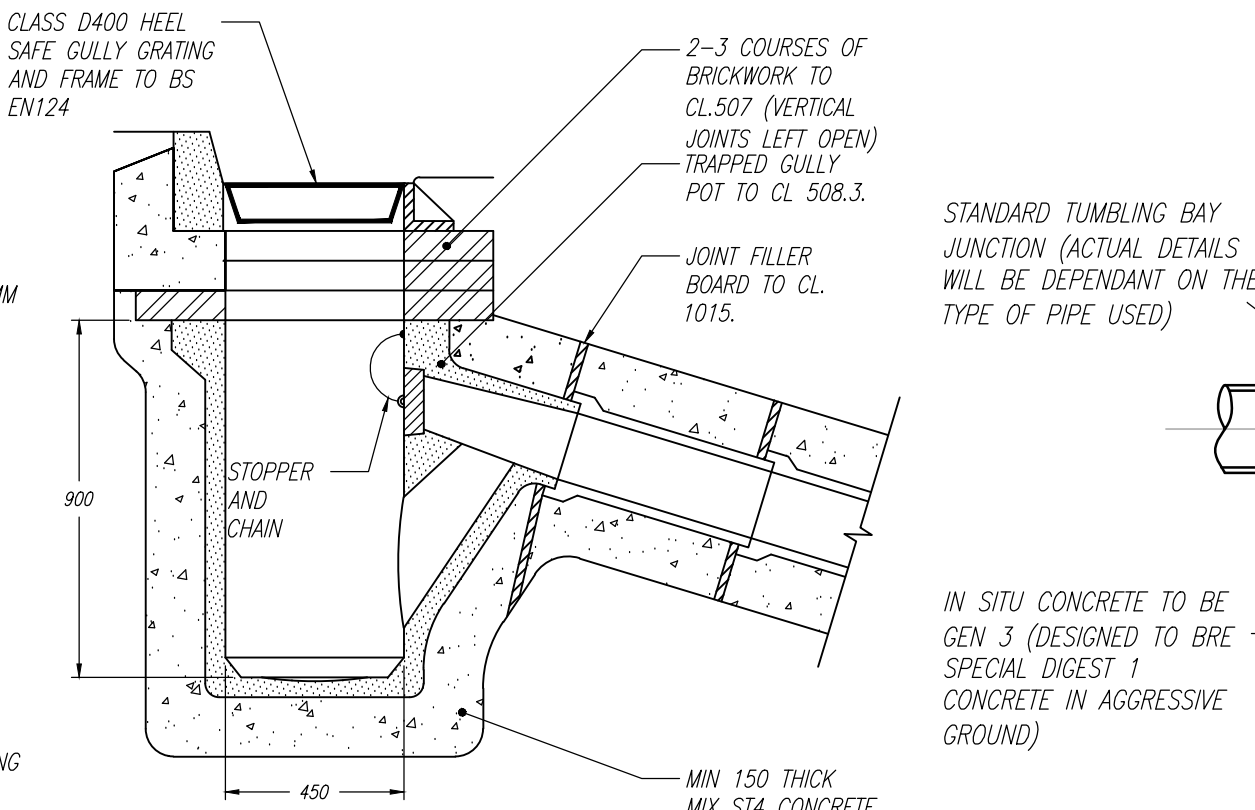
RAINWATER PIPE CONNECTION



SOIL & VENT PIPE CONNECTION DETAIL

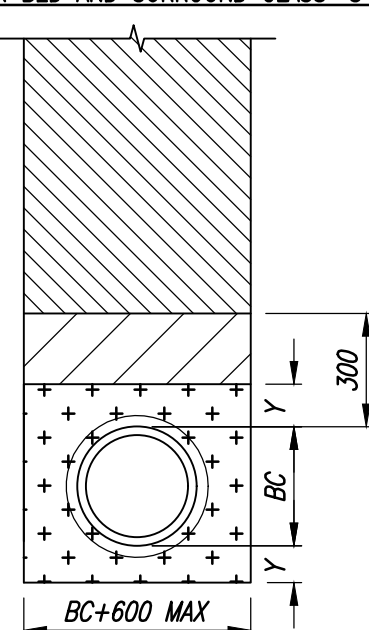


TRAPPED GULLY WITH SPIGOT OUTLET

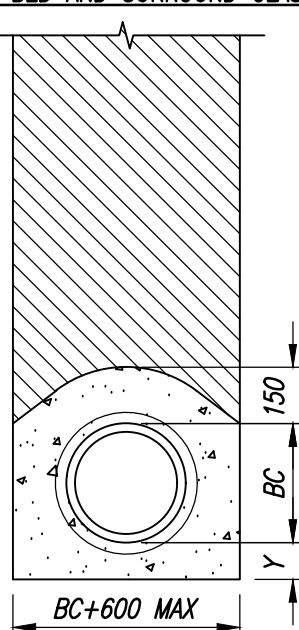


PIPE BEDDING DETAILS

PIPE BEDDING DETAIL 1 GRANULAR BED AND SURROUND CLASS 'S'



PIPE BEDDING DETAIL 2 CONCRETE BED AND SURROUND CLASS 'Z'



KEY

- SUITABLE BACKFILL MATERIAL.
- SELECTED SIDEFILL AND SURROUND.
- GRANULAR BEDDING MATERIAL
- GEN3 CONCRETE

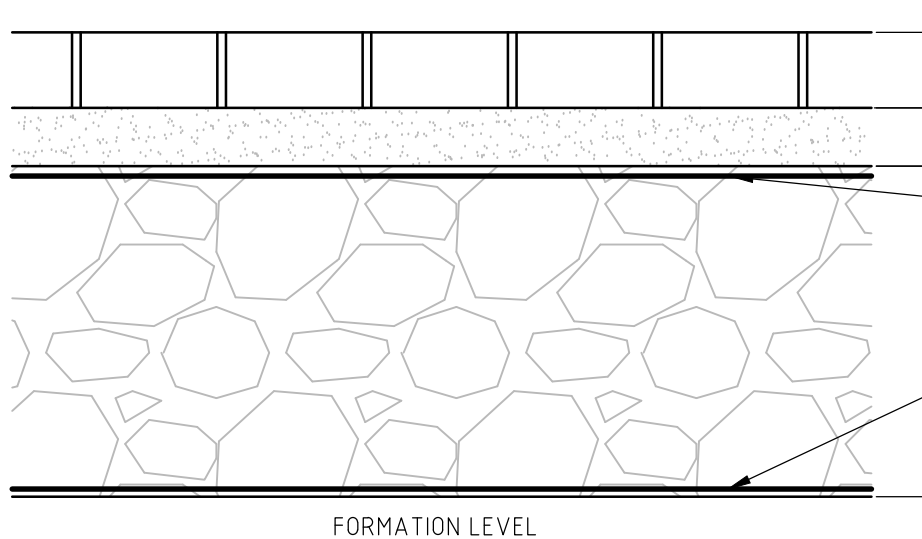
DN = NOMINAL INTERNAL DIAMETER OF PIPE.
BC = OUTSIDE DIAMETER OF PIPE.

DIMENSION Y

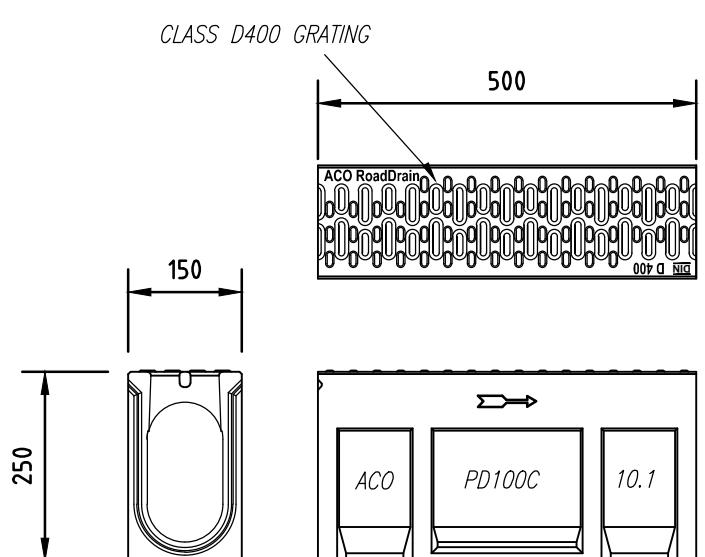
CLASS	MACHINE DUG UNIFORM SOIL	ROCK OR MIXED SOILS
S & Z	NOTE (i)	NOTE (ii)

(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.

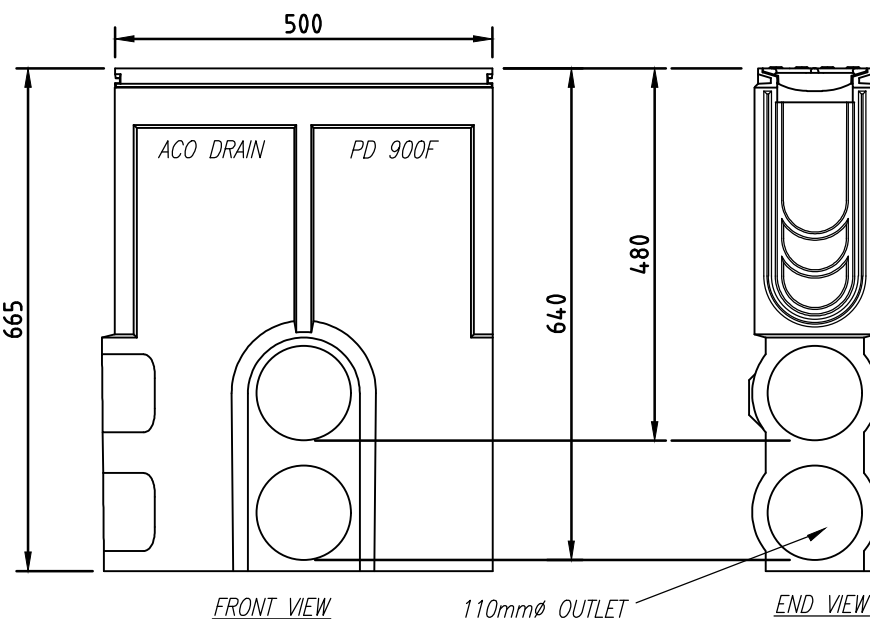
BLOCK PAVED PARKING BAYS (TANKED PERMEABLE CONSTRUCTION SYSTEM 3.0% CBR) SUBJECT TO LIGHT VEHICLE LOADING ONLY



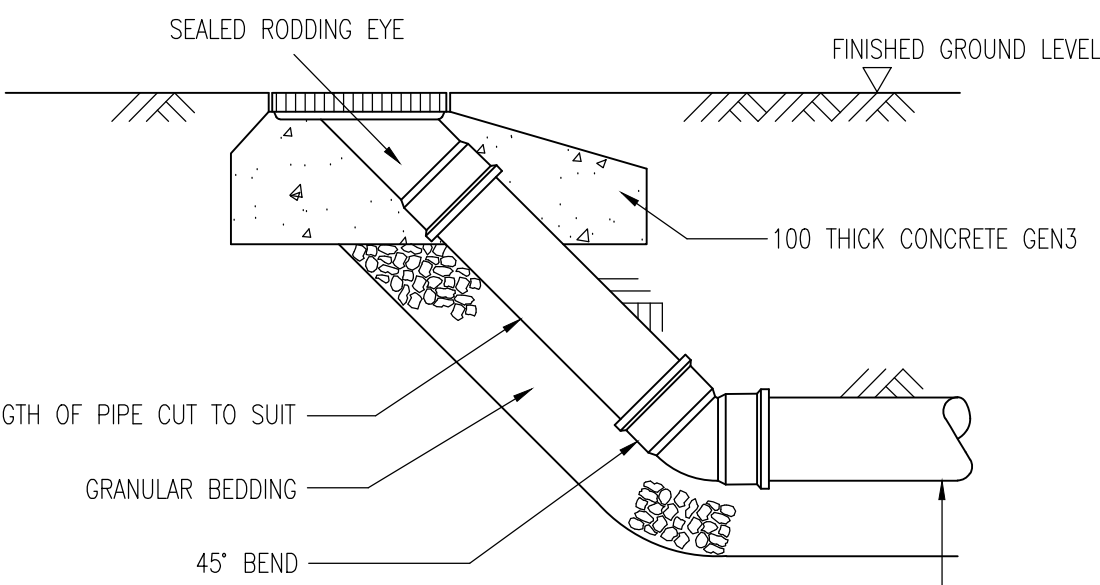
ACO CHANNEL DRAIN



ACO SUMP CHAMBER/OUTLET UNIT

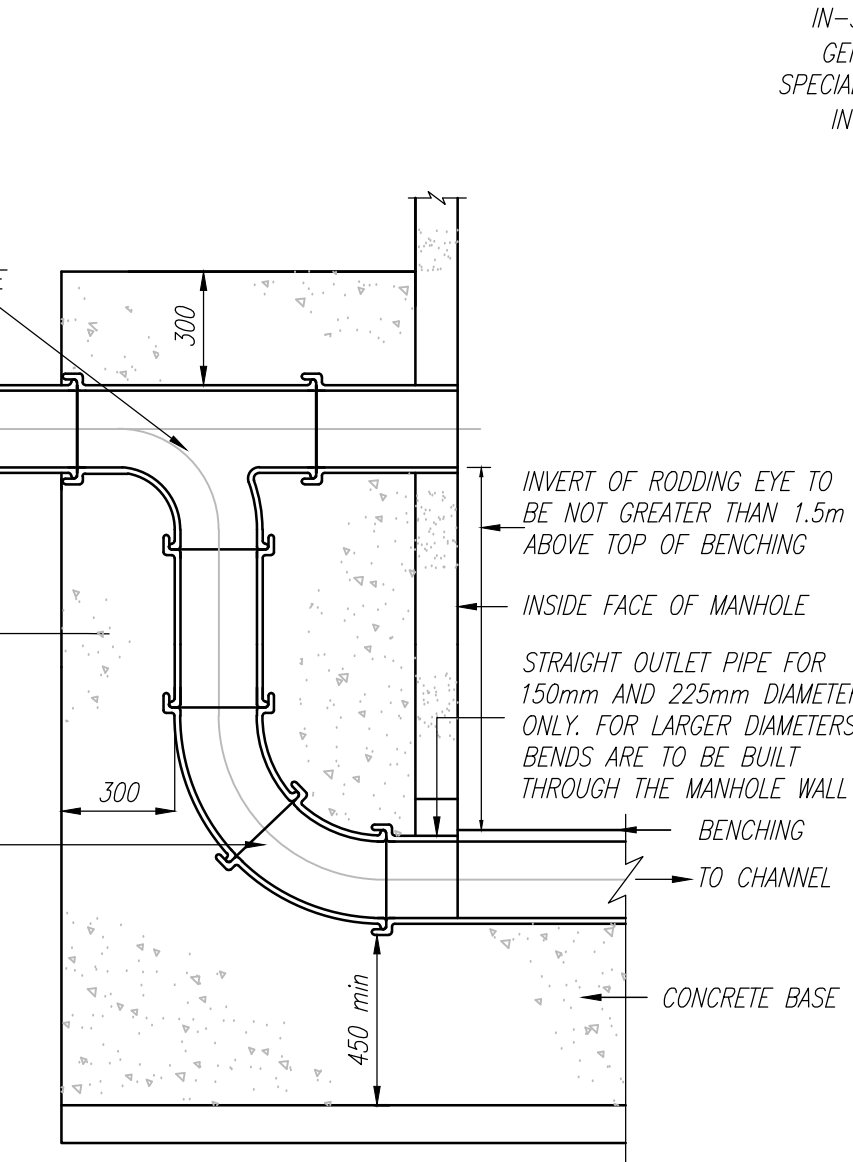


SEALED RODDING EYE



PIPE CROSSINGS DETAIL

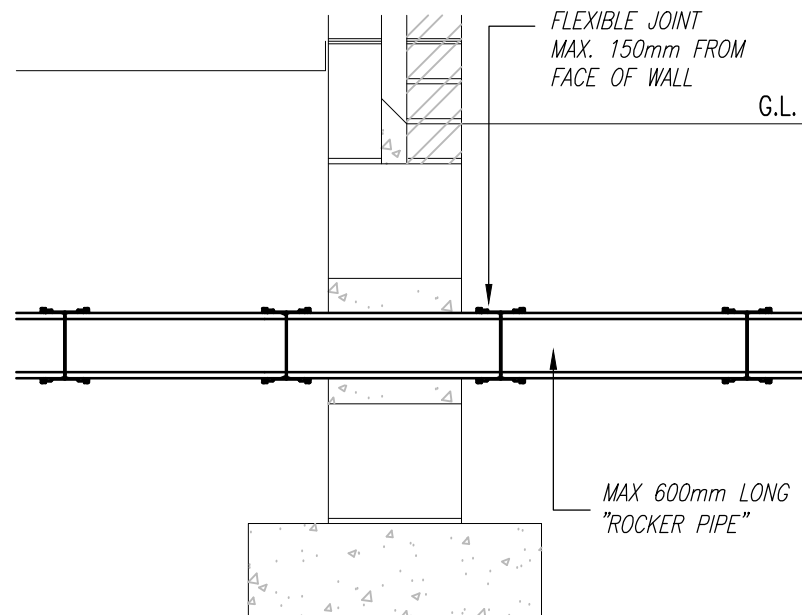
(SCALE 1:20)



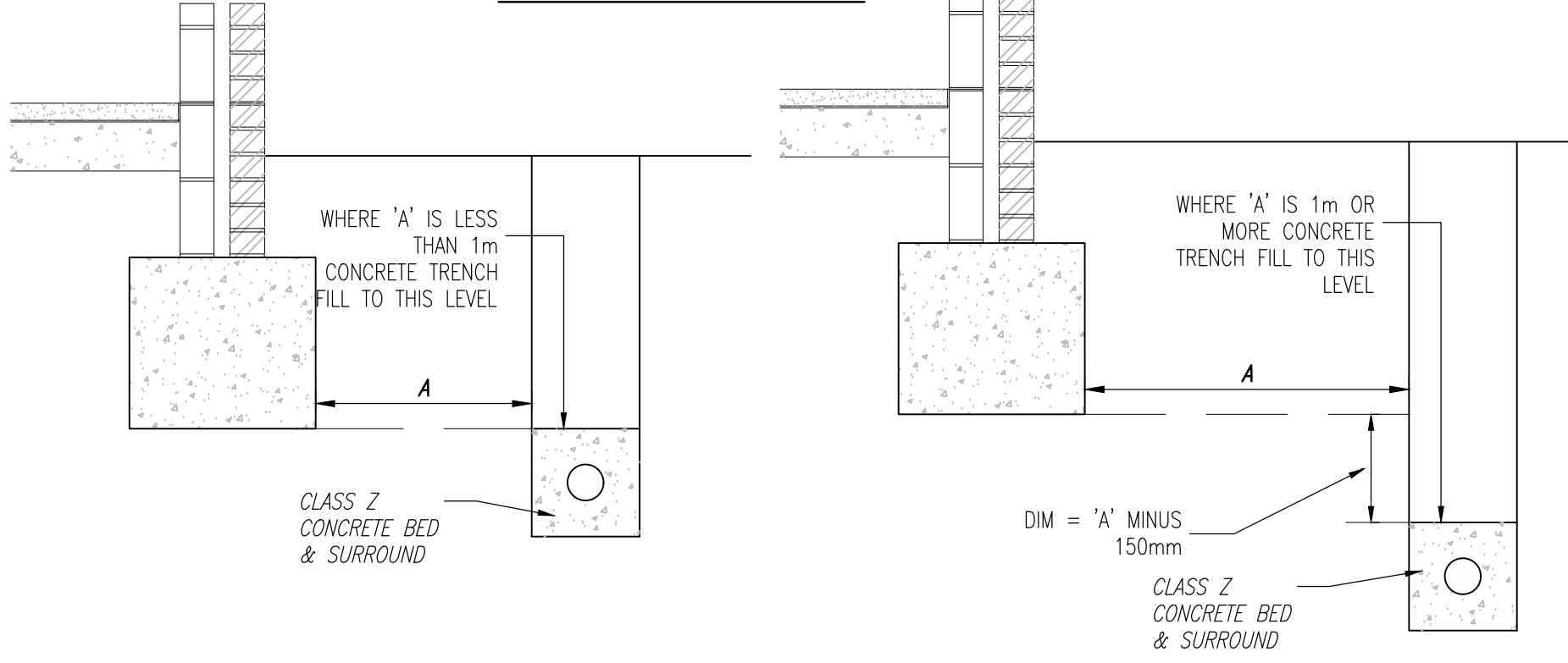
EXTERNAL VERTICAL BACKDROP

SCALE 1:10

PIPE BEDDED IN WALL FOUNDATION

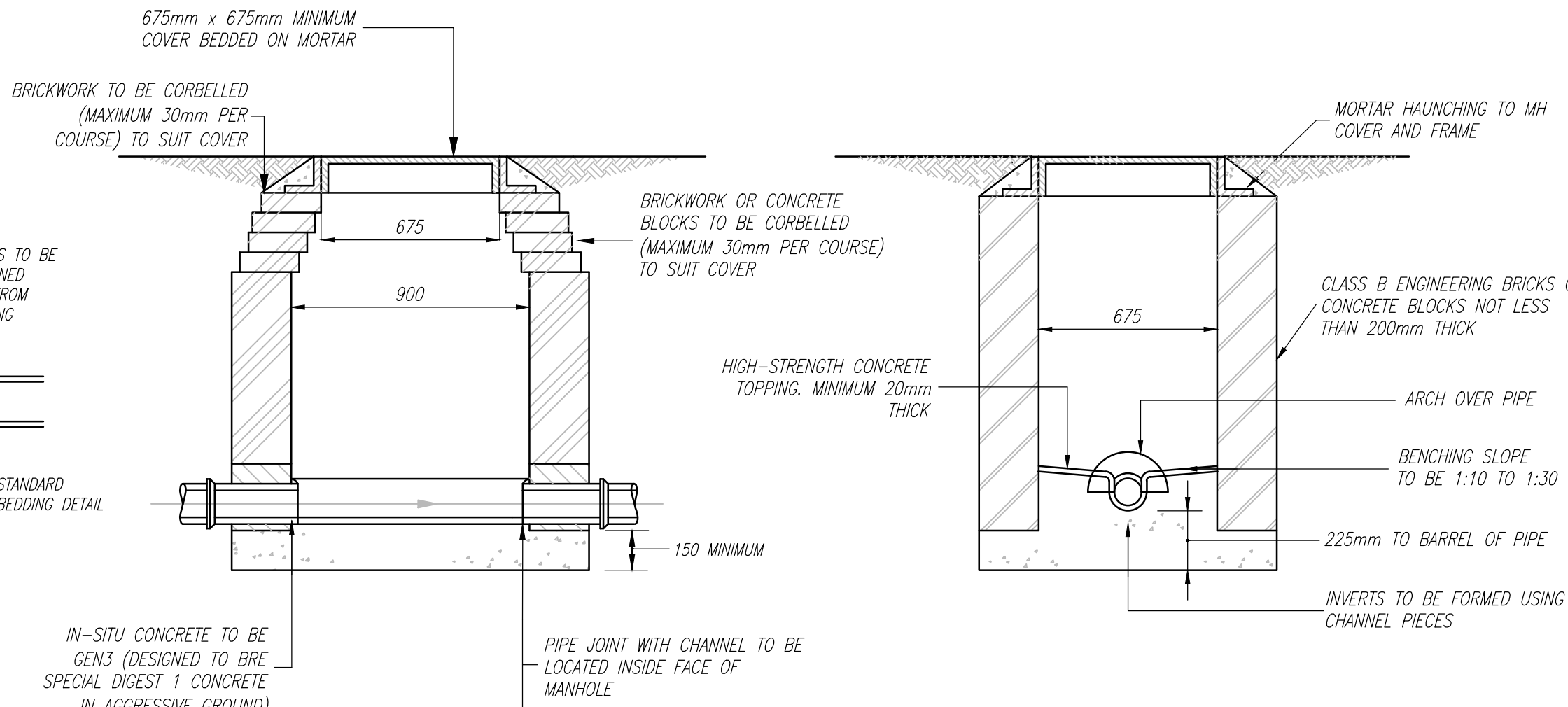


PIPE RUNS NEAR BUILDINGS



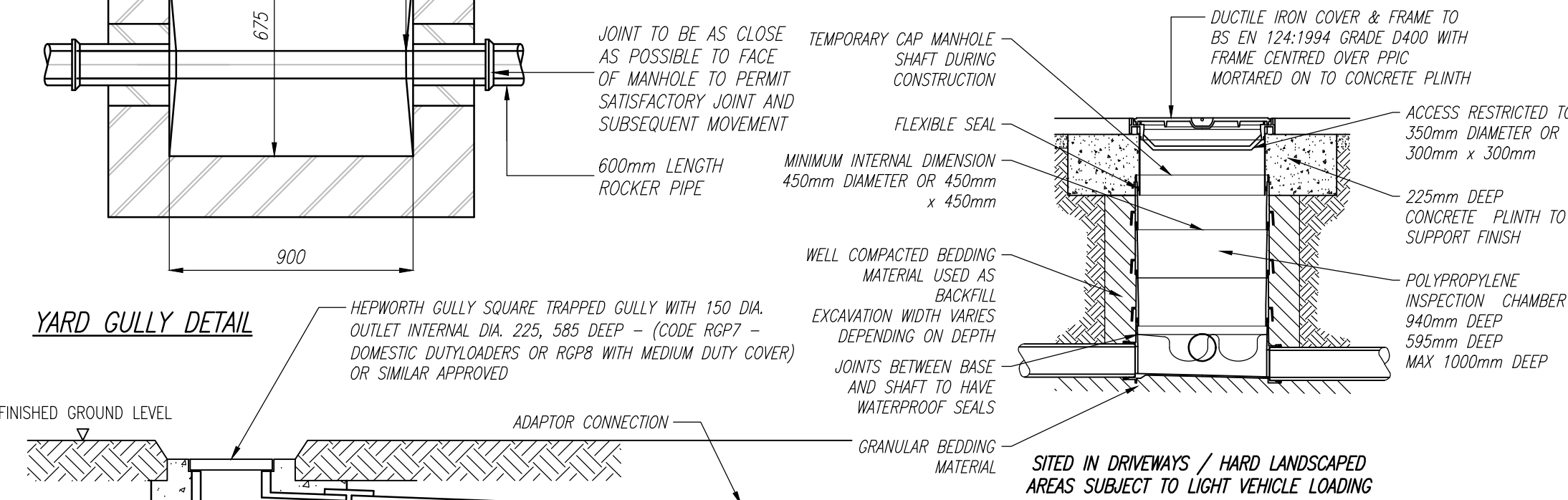
TYPICAL RECTANGULAR INSPECTION CHAMBER

TO HAVE DOUBLE-SEALED & LOCKABLE COVER WHERE LOCATED INTERNALLY

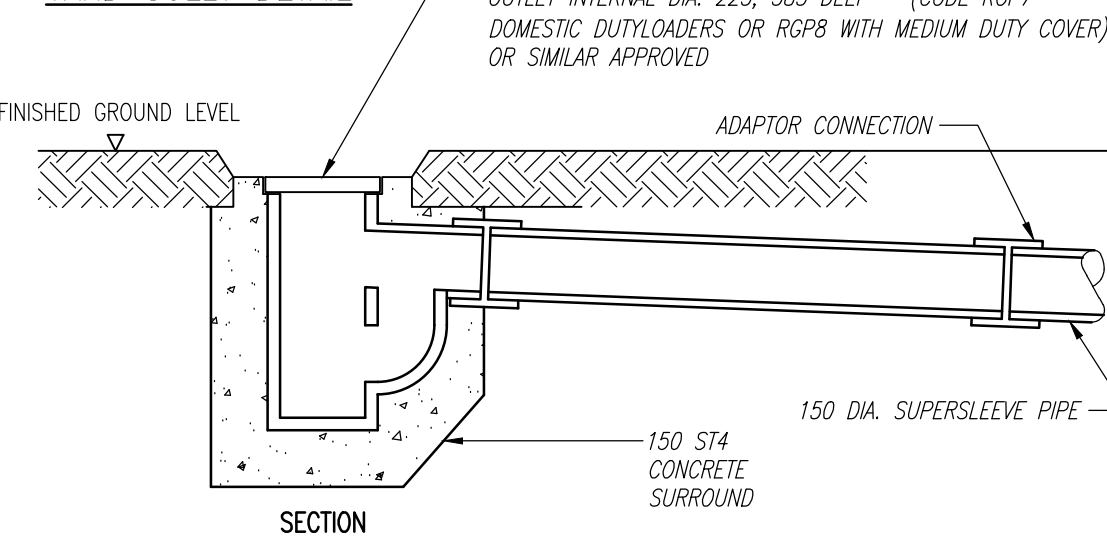


TYPICAL ACCESS CHAMBER TYPE 4

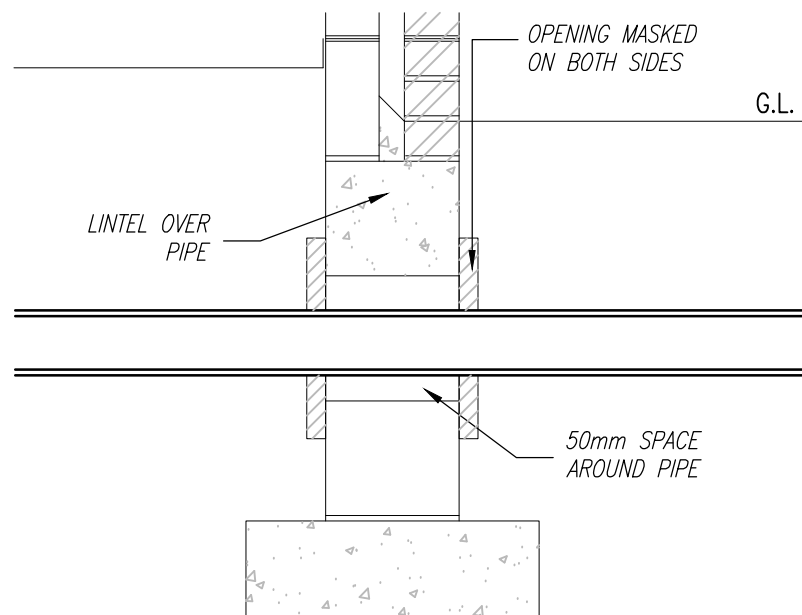
MAX 3.0m DEEP (NON ENTRY)



YARD GULLY DETAIL

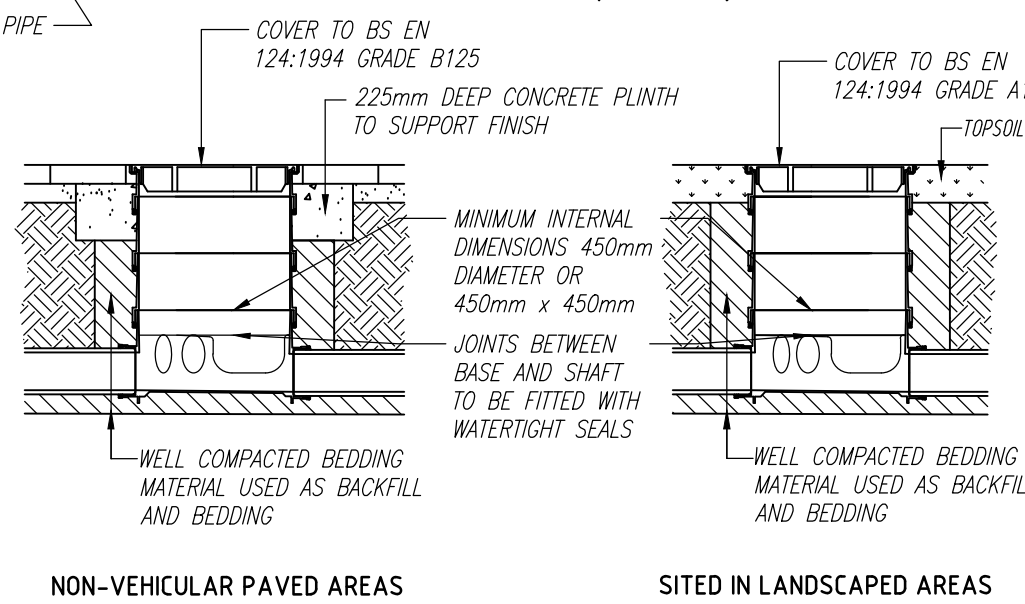


PIPE PASSING THROUGH LINTELLED OPENING

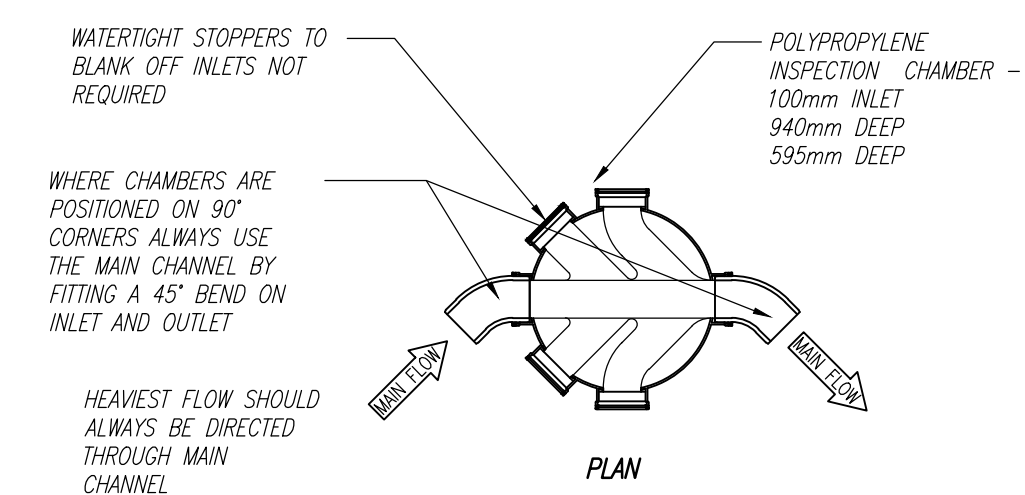


TYPICAL ACCESS CHAMBER TYPE 5

MAX 1000mm DEEP (NON ENTRY)

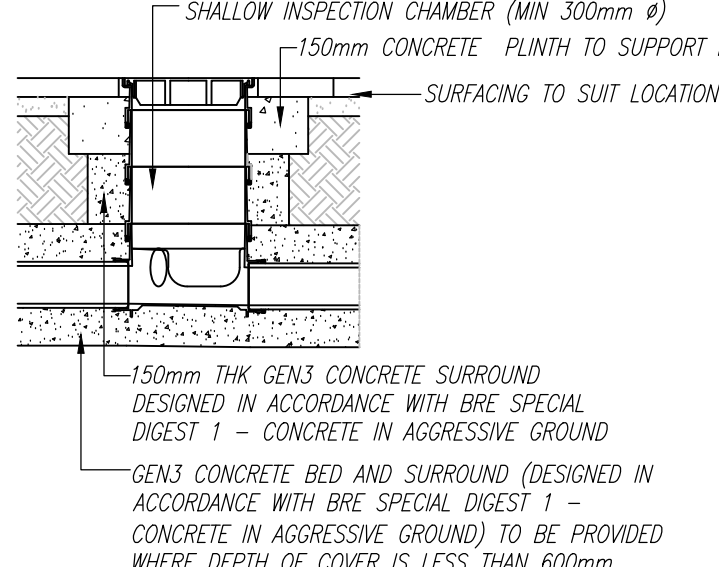


TYPICAL ACCESS CHAMBER BASE UNIT PLAN DETAIL



SHALLOW INSPECTION CHAMBER (TYPE 6) DETAIL

300Ø (MAX) MAX DEPTH 0.6m



NOTES

- ALL PROPRIETARY PRODUCTS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- CONTRACTOR TO CONFIRM ALL EXISTING SERVICES HAVE BEEN DIVERTED.
- CONTRACTOR TO CONFIRM FOUL AND SURFACE WATER LEVEL OUTFALL LOCATION AND INVERT LEVEL PRIOR TO COMMENCEMENT.

ATTENUATION TANK GENERAL NOTES

- ATTENUATION TANK INSTALLATION AND BACKFILL - REFER TO MANUFACTURERS SPECIFICATION AND GUIDELINES.
- WHEN BACKFILLING GEOCELLULAR TANK INSTALLATIONS: MACHINES PLACING THE MATERIAL MUST BE LOCATED OFF THE UNITS. BACKFILL - FIRST LAYER SHOULD BE 300mm THICK BEFORE USING ANY COMPACTION PLANT. NO VIBRATORY MECHANISM SHOULD BE USED FOR COMPACTION THIS FIRST LAYER. COMPACTION PLANT MUST NOT EXCEED 2300KG PER METRE WIDTH.
- VEHICLES AND CONSTRUCTION PLANT/VEHICLES MUST NOT TRAVERSE OVER THE TANK.
- CONSTRUCTION PLANT AND MATERIALS MUST BE PLACED/STORED AT LEAST 1m CLEAR FROM THE EDGE OF THE TANK.
- FOR THE DURATION OF THE CONTRACT THE TANK IS TO BE PROTECTED BY TEMPORARY FENCING.

Rev. Revision Detail Drawn Date

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CLIENT:

DarwinGroup
Construction Has Evolved

PROJECT:

CONNELL CO-OP COLLEGE

TITLE:

PRELIMINARY DRAINAGE DETAILS
SHEET 1 OF 2

Drawn: MU Checked: MU Date: Dec '20

Scale: AS SHOWN Original Sheet Size: A1 Status: Planning

Drawing No. 20-315-DR003 Revision: -

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