

HYDRO-BRAKE OPTIMUM® FLOW CONTROL UNIT
 UNIT REFERENCE SHE-0053-1730-2000-1730
 DISCHARGE RATE = 1.73 l/s, DESIGN HEAD = 2.00m.

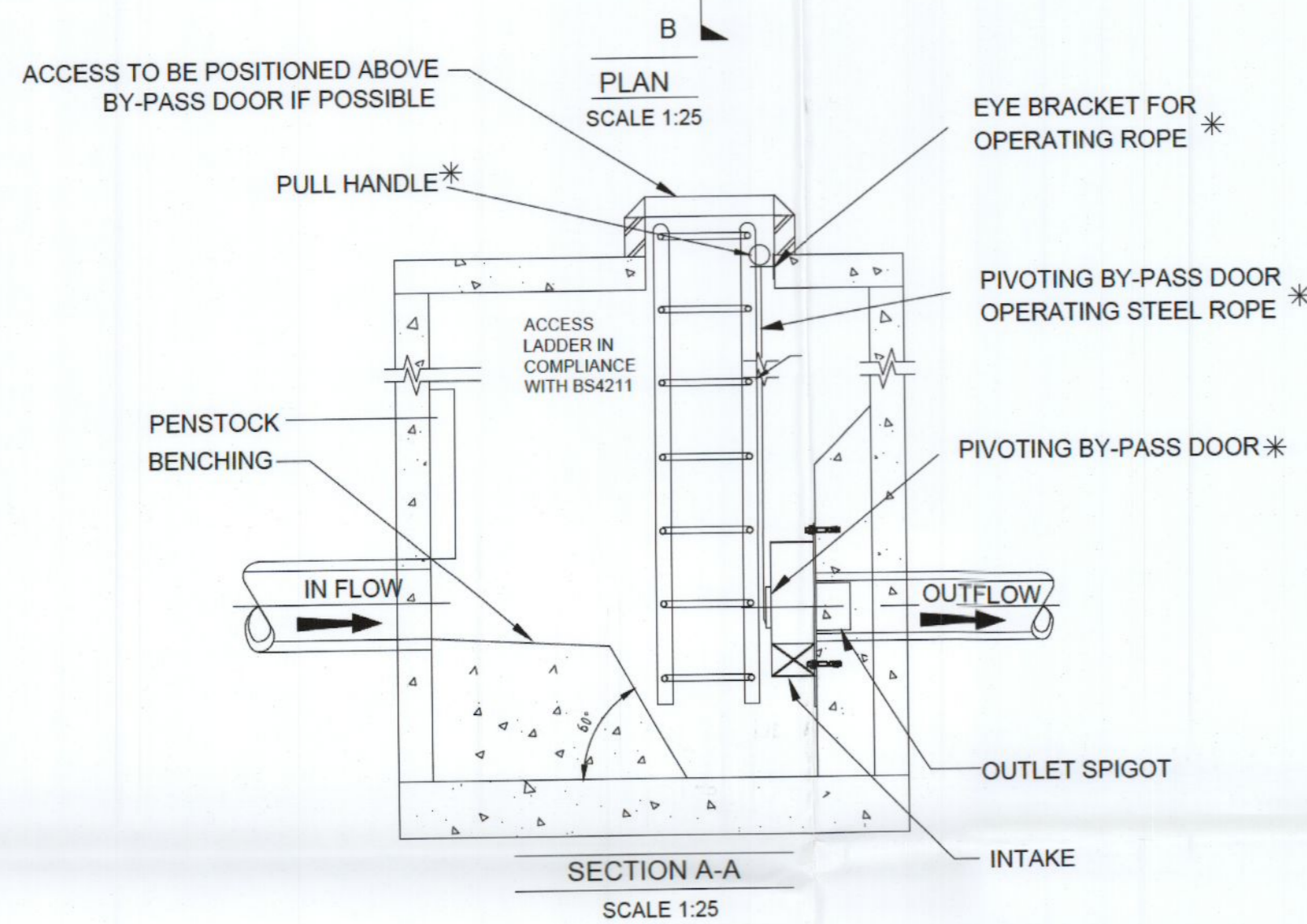
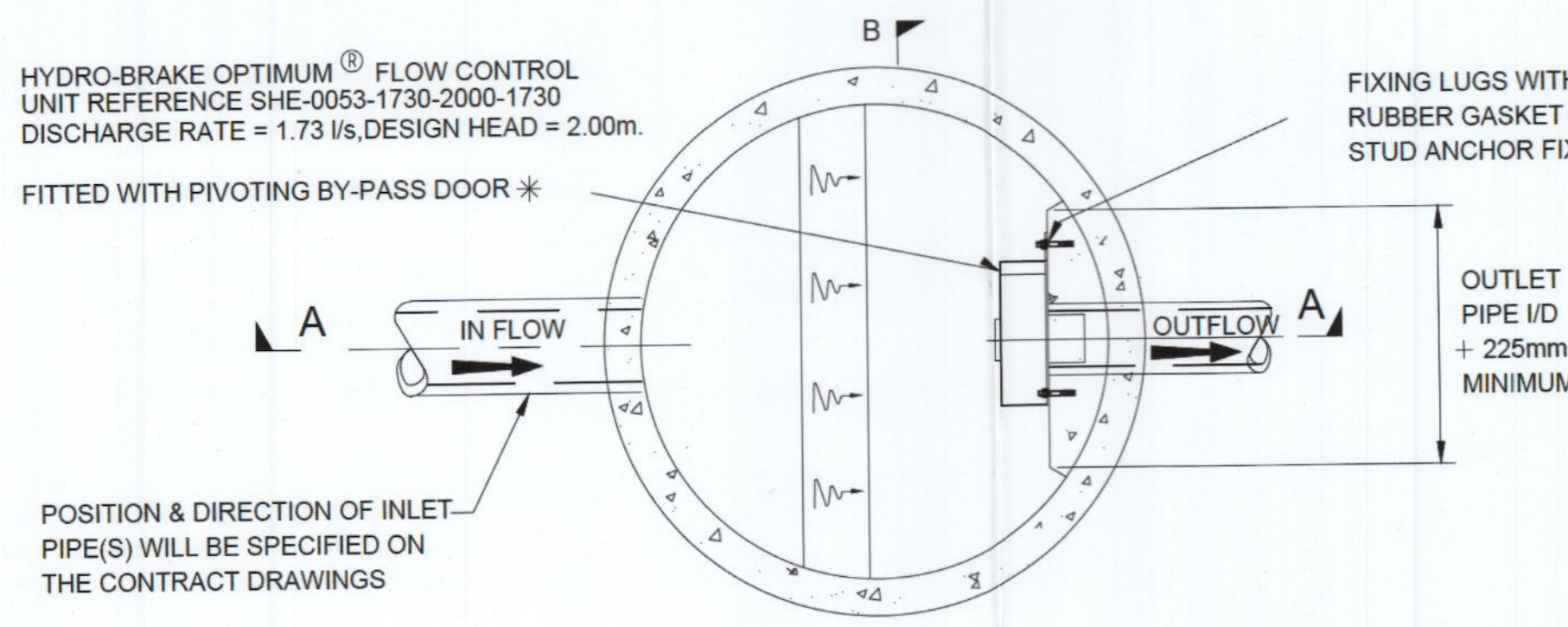
FITTED WITH PIVOTING BY-PASS DOOR *

POSITION & DIRECTION OF INLET PIPE(S) WILL BE SPECIFIED ON THE CONTRACT DRAWINGS

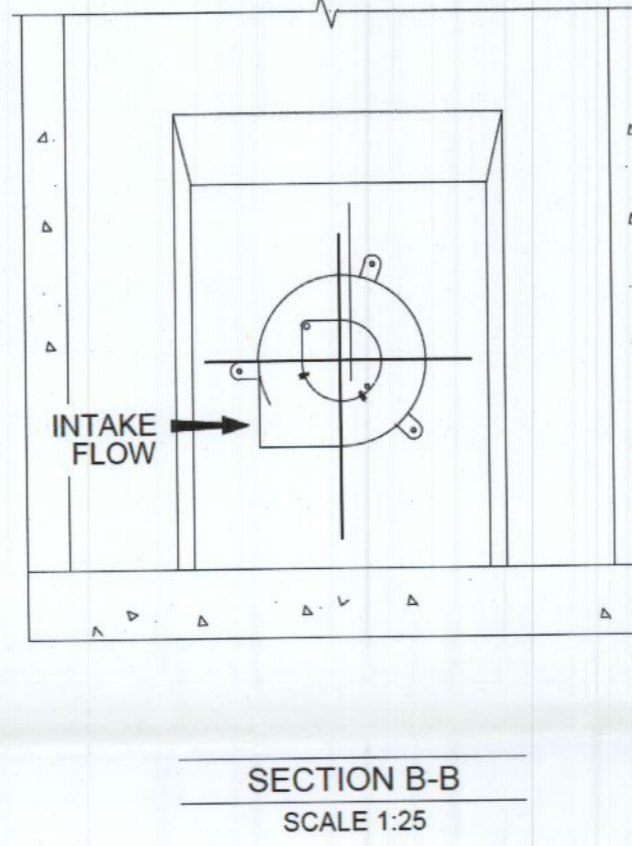
FIXING LUGS WITH NEOPRENE RUBBER GASKET & MASONRY STUD ANCHOR FIXING BOLTS

HYDROBRAKE TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS

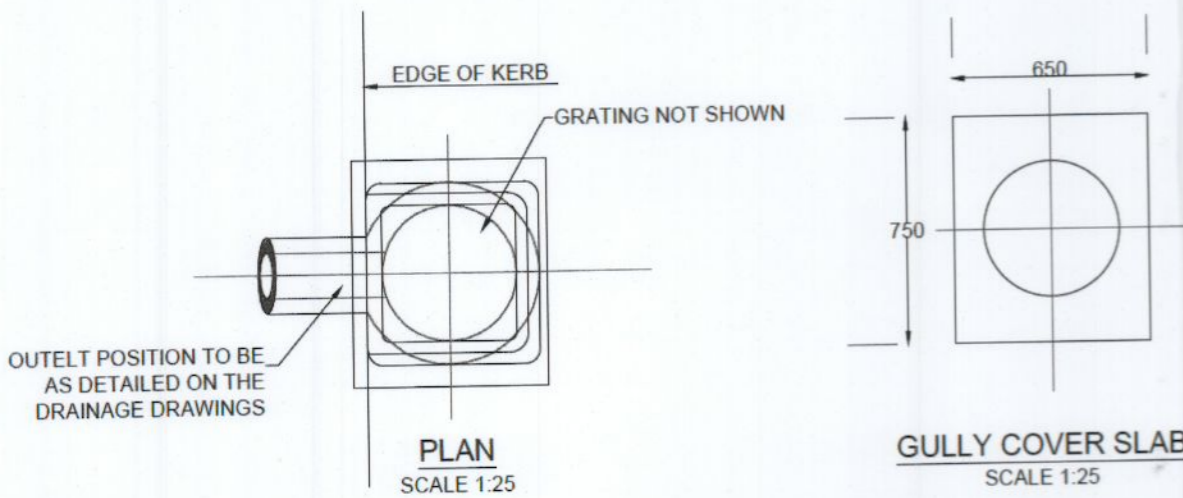
NOTE :-
 - GALVANISED LADDER MOUNTED ON WALL OF MANHOLE BELOW COVER TO COMPLY WITH BS4211.
 - 10mm NOMINAL SAFETY CHAIN TO EDGE OF LANDING AREA TO COMPLY WITH BS4942.
 - REFER TO NRA DRAWING RCD/500/11 FOR DETAILS OF LADDERS & CHAINS.
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT (eg CIVIL) DRAWINGS AND SPECIFICATIONS.
 - ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED
 - PENSTOCK VALVE TO BE INSTALLED IN IN HYDROBRAKE MANHOLE



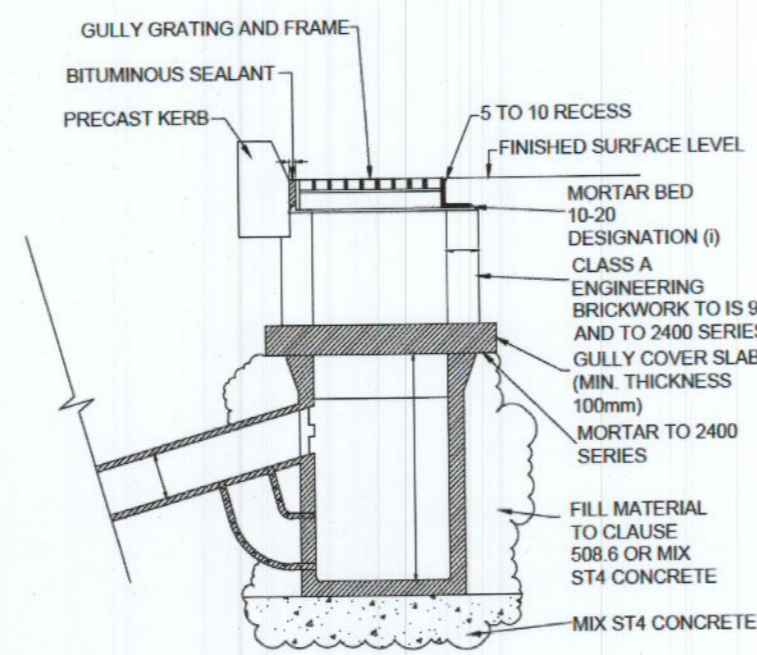
PROPOSED "HYDROBRAKE OPTIMUM" UNIT
 MANHOLE DETAILS
 SCALE 1:25



SECTION B-B
 SCALE 1:25



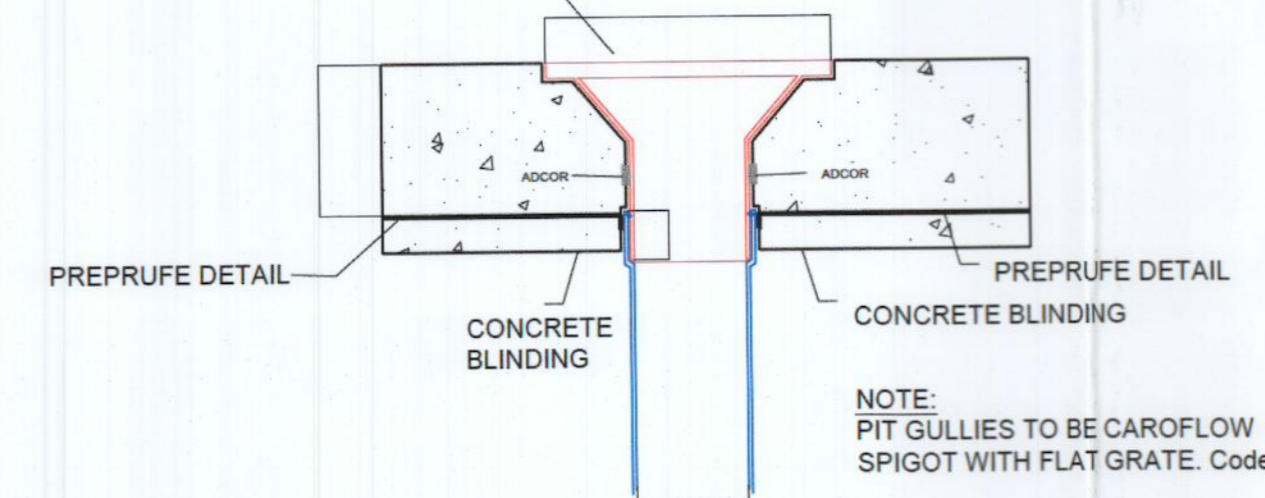
PLAN SCALE 1:25
 GULLY COVER SLAB SCALE 1:25



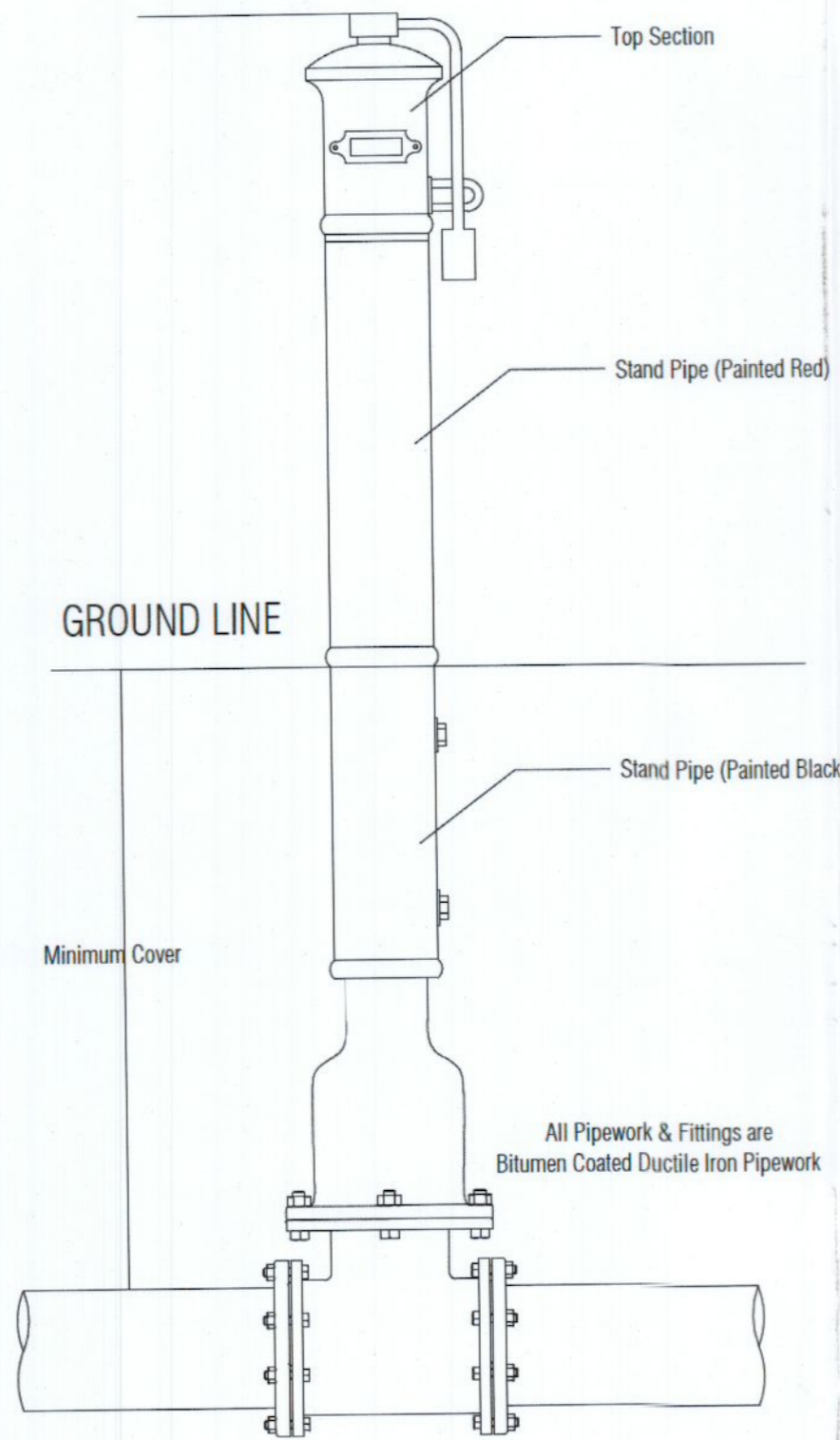
PRECAST CONCRETE GULLY - SECTION - 100 No
 SCALE 1:25

GULLIES TO BE SET NEXT TO WALLS TO ENABLE PROTECTIVE GUIDE RAILS TO NAVIGATE AROUND. LOCATION OF GULLIES TO BE COORDINATED TO SUIT M&E PLANT LAYOUT

REFER TO MECHANICAL DRAWING PACK FOR GULLY SPECIFICATION



TYPICAL FLOOR GULLY DETAIL WITHIN DATA HALL
 Scale 1:10



TYPICAL INDICATOR VALVE DETAIL
 Scale NTS

NOTES

KEYNOTES

LEGEND

GENERAL NOTES

- ROCK IN TRENCHES SHALL BE EXCAVATED AND TRIMMED TO UNDERSIDE LEVEL OF PIPE BED
- GRANULAR MATERIAL CLASS 'B' TO BE USED FOR BEDDING AND HAUNCHING
- CONCRETE MIX C25/30 TO BE USED FOR SURFACE WATER AND FOUL DRAINS
- SEE TABLE 'A' FOR CONCRETE BED WIDTHS
- WHERE FLEXIBLE JOINTS ARE USED, VERTICAL MOVEMENT JOINTS SHALL BE PROVIDED IN THE BED AT MAX INTERVALS OF 5M AND ALIGNED WITH THE FACE OF PIPE SOCKET. JOINTS TO BE 12mm WIDE AND FILLED WITH FLEXCELL OR SIMILAR IN THE CONCRETE BED AND SURROUND.
- GRANULAR BEDS TO DRAINS SEE TABLE 'B'
- IF COVER TO PIPE IS LESS THAN 1.2M IN ROADS AND DRIVEWAYS 0.9M IN OPEN SPACES AND PATHS NOT NEAR CARRIAGEWAYS SURFACE WATER AND FOUL DRAINS SHALL BE SURROUNDED BY 150 THK C25 CONCRETE
- ALL CONCRETE TO BE MIX C25
- WHERE PVC PIPES ARE ENCASED IN CONCRETE, THEY SHALL BE FIRST WRAPPED IN VISQUEEN 1000.
- ALL SERVICES TO HAVE MARKER TAPE LAID OVER FULL WIDTH OF SERVICE MINIMUM 400mm BELOW FINISHED SURFACE LEVEL.

TRENCH: MINIMUM WIDTH TO BE PIPE Ø +300mm
 MAXIMUM WIDTH TO BE PIPE Ø + 600mm

REV	DATE	DESCRIPTION	DRN	ENG	CHK	APP
P03	09/12/22	PLANNING ISSUE	LT	CD	CD	HF
P02	14/10/22	PLANNING ISSUE	LT	CD	CD	HF
P01	02/09/22	DRAFT PLANNING ISSUE	LT	CD	CD	HF

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PROJECT:	Unit 1, M50 Business Park
TITLE:	PROPOSED SERVICES DETAILS SHEET 1
DRAWING NO.:	22_112-CSE-00-XX-DR-C-2911
A1 SCALE:	AS INDICATED
AGILE No.:	
REV:	P03