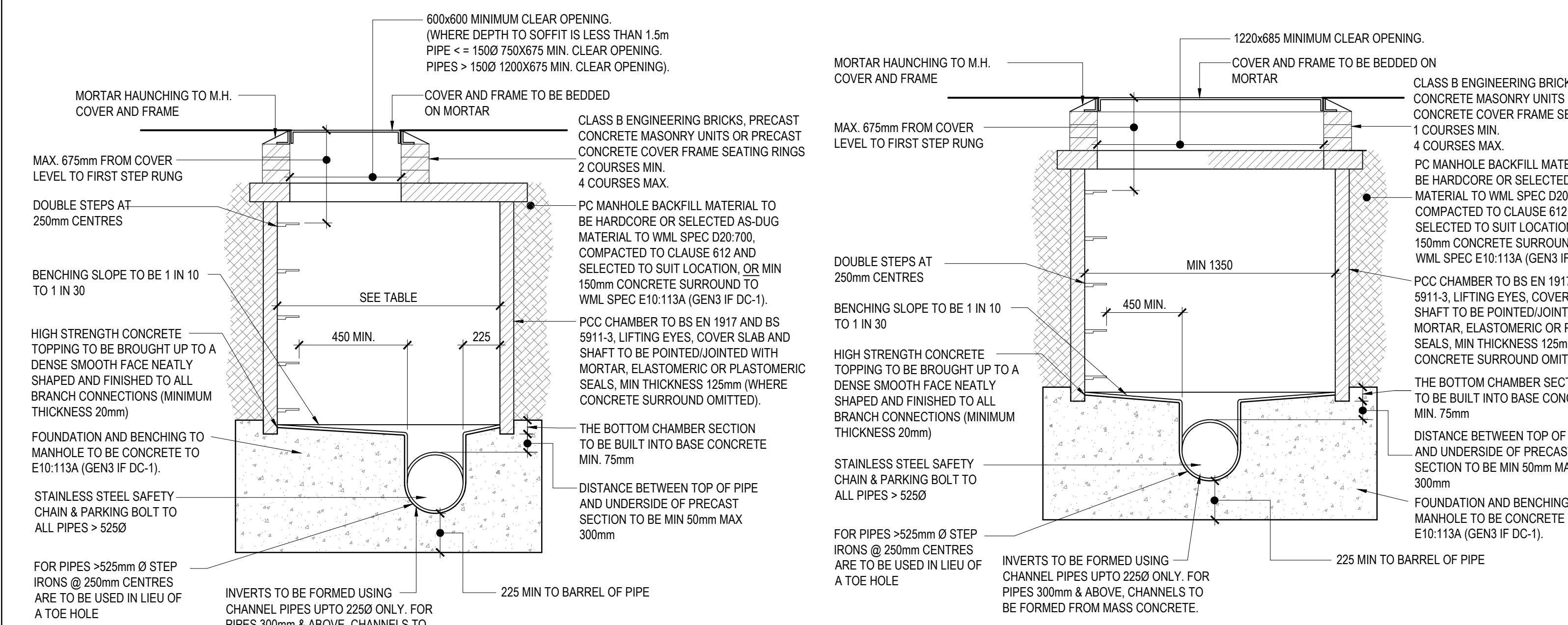
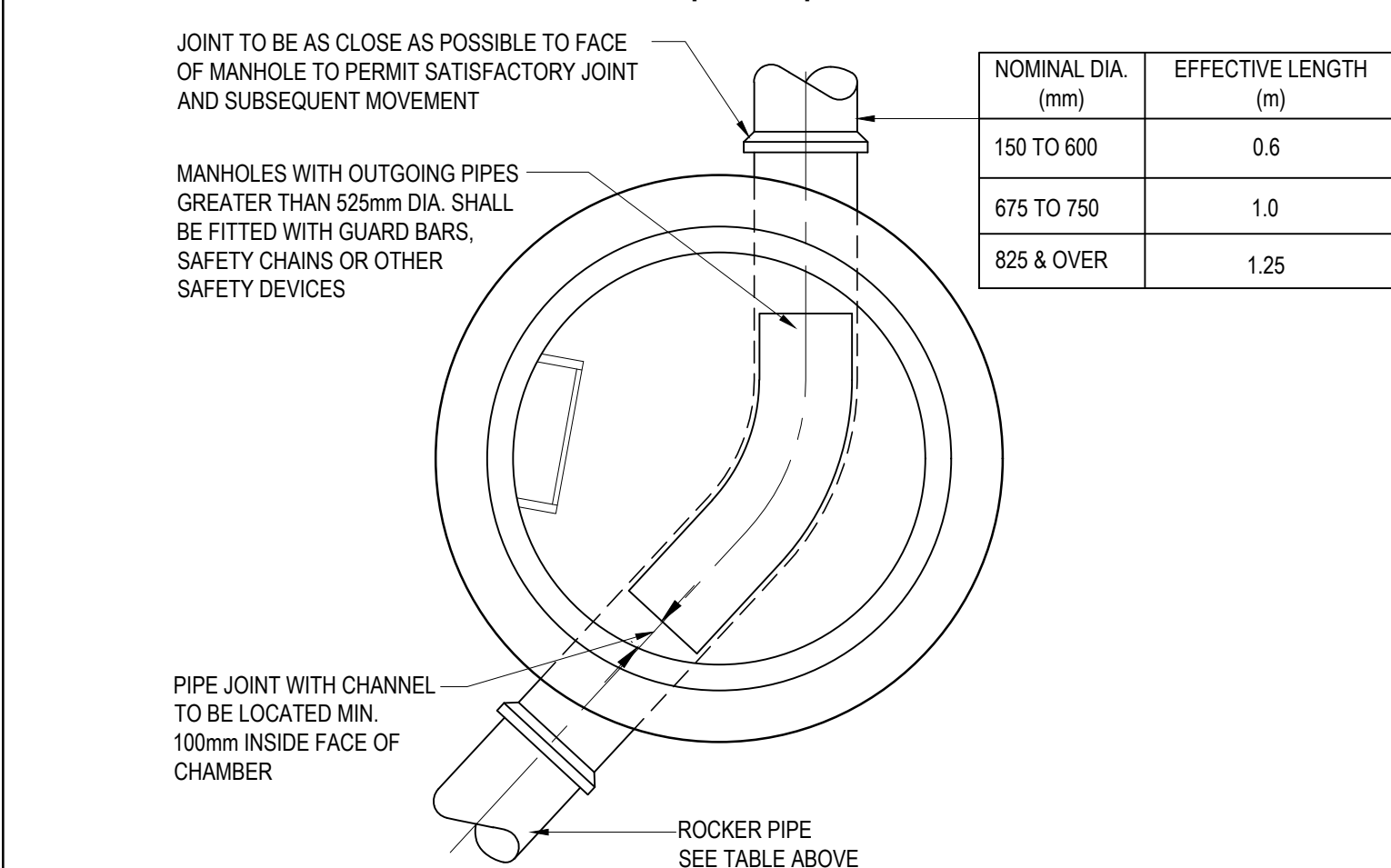




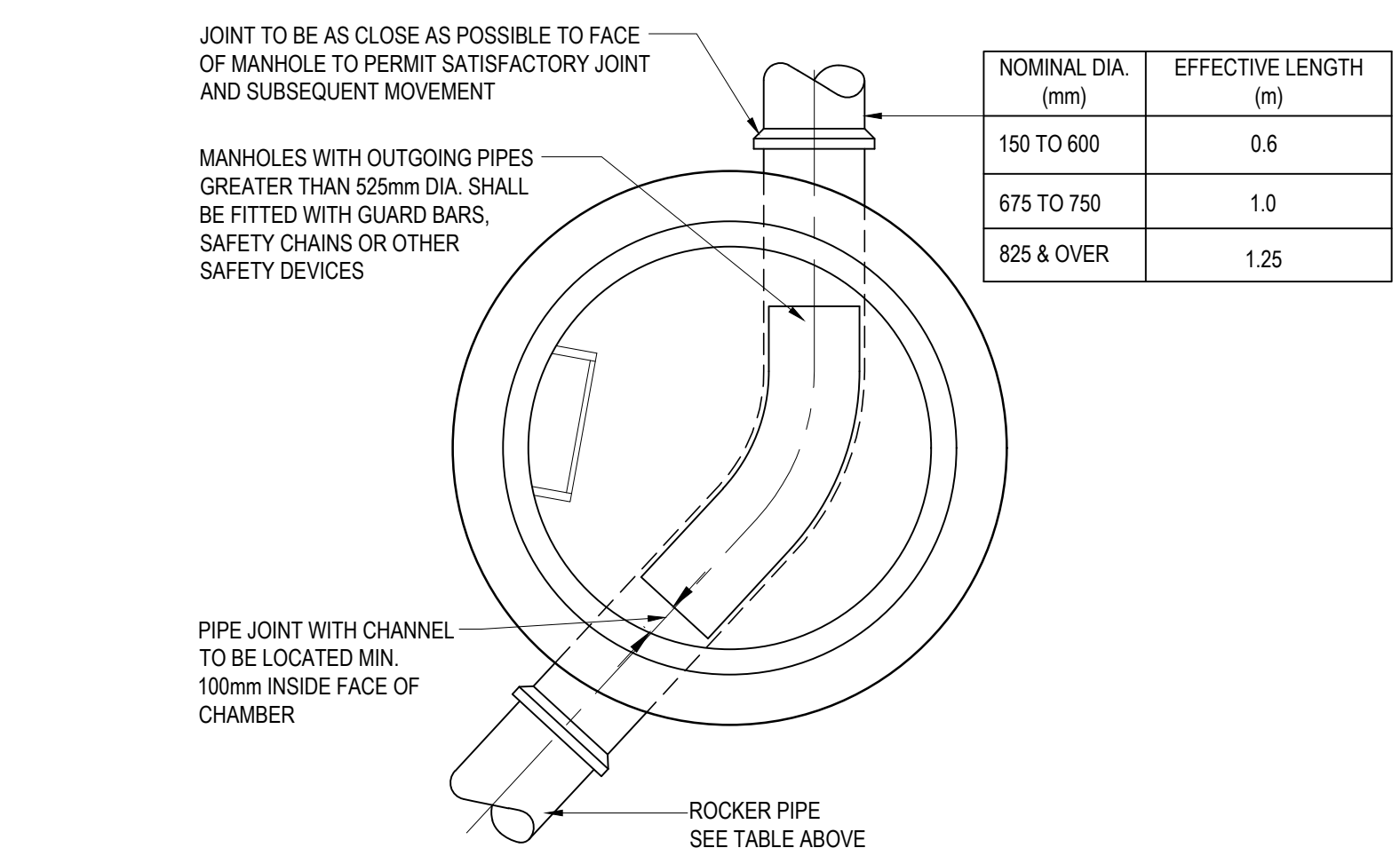
TYPICAL MANHOLE SECTION DETAIL TYPE B (TYPE 3)
DEPTH TO SOFFIT OF PIPE 1.5-3m
(SCALE 1:20)



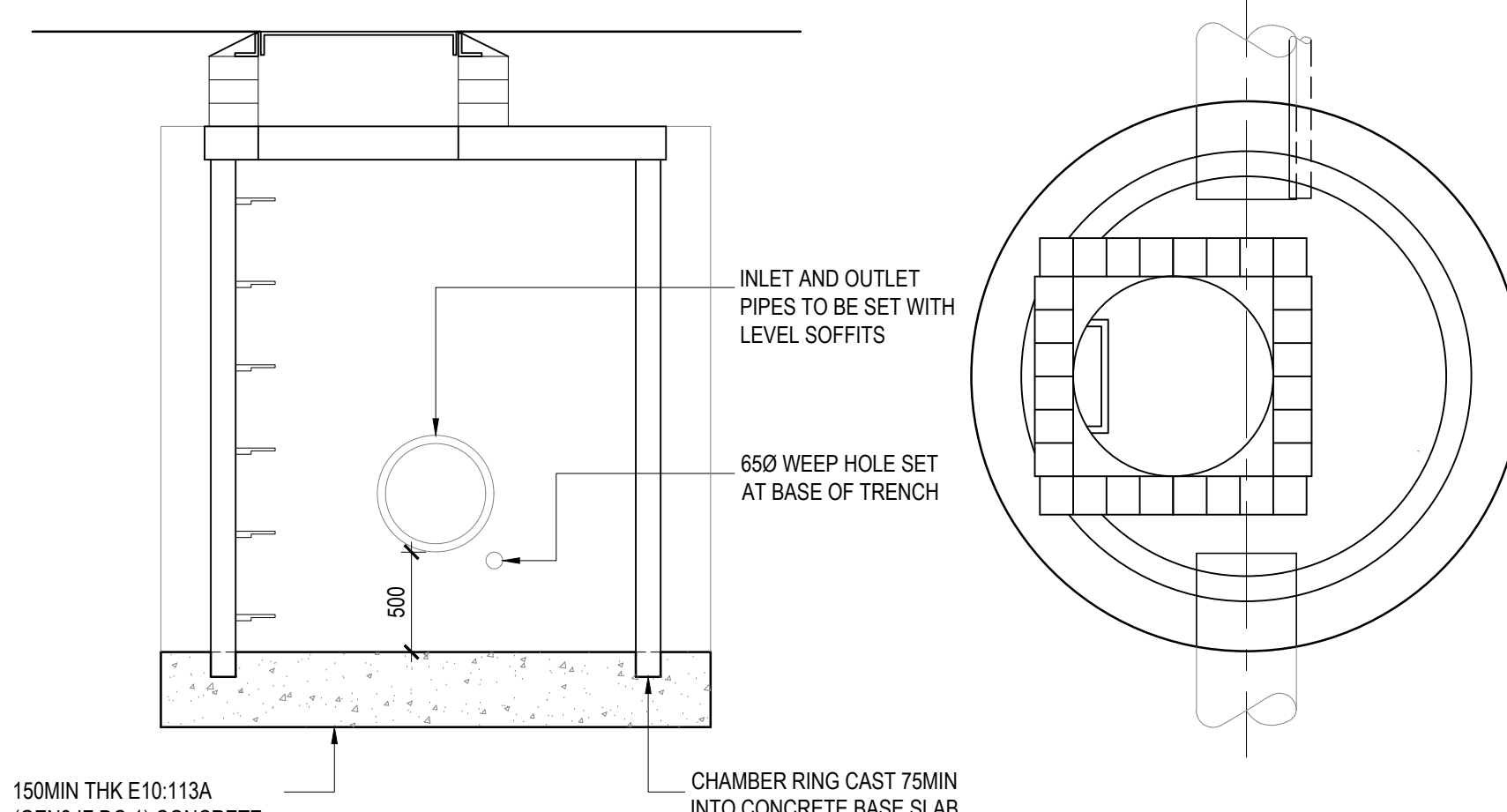
TYPICAL MANHOLE PLAN DETAIL TYPE B (TYPE 3)
DEPTH TO SOFFIT OF PIPE 1.5-3m
(SCALE 1:20)

DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	MIN. MANHOLE INTERNAL DIAMETER (mm)
< 375mm (WHERE > 1.5m DEEP TO SOFFIT)	1200
375mm - 450mm (OR WHERE < 1.5m DEEP TO SOFFIT)	1350
450mm - 700mm	1500
700mm - 900mm	1800
> 900mm	PIPE DIA + 900

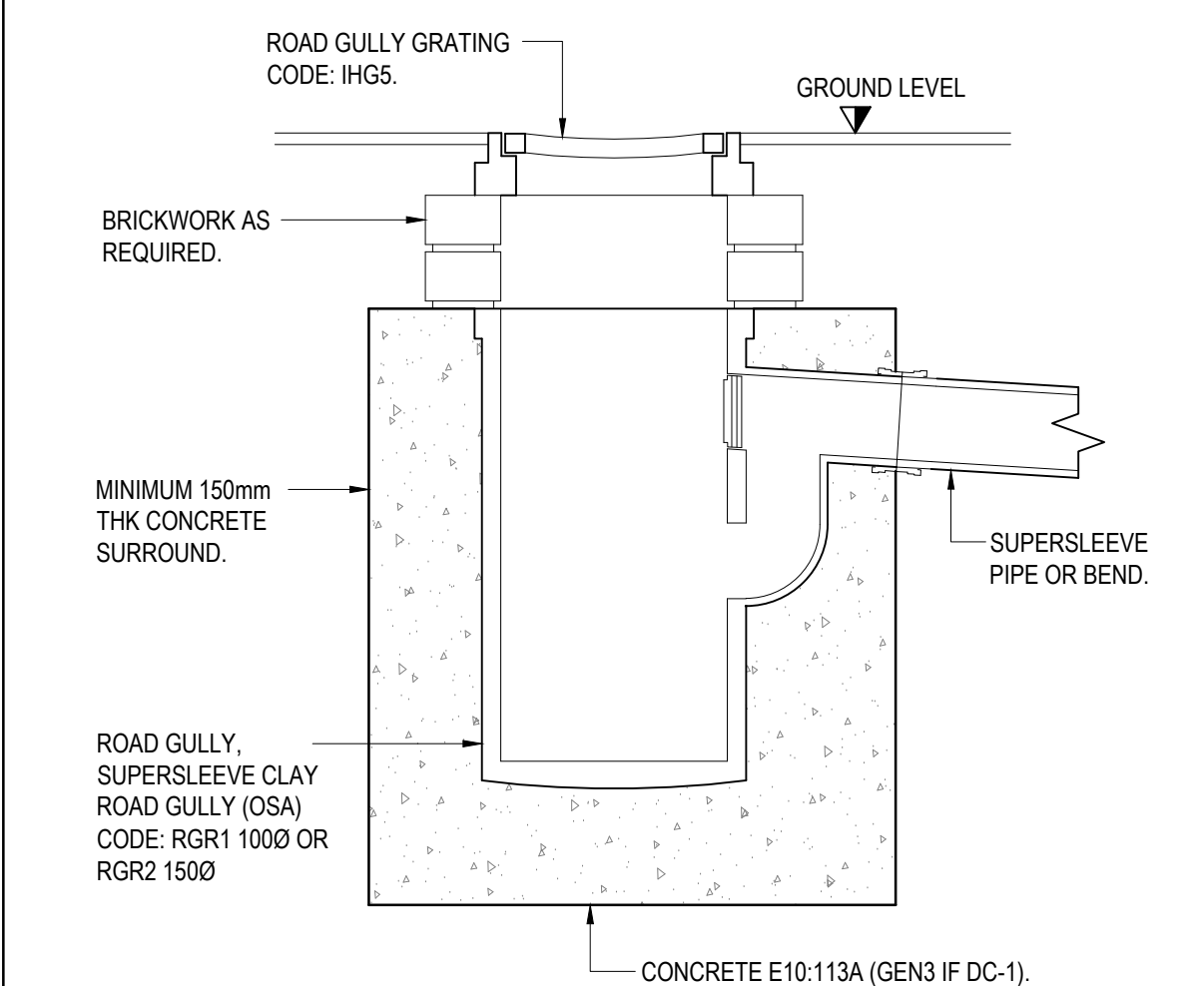
TYPICAL MANHOLE SECTION DETAIL TYPE C (TYPE 2)
DEPTH TO SOFFIT OF PIPE LESS THAN 1.5m, MAX PIPE DIA 450mm
(SCALE 1:20)



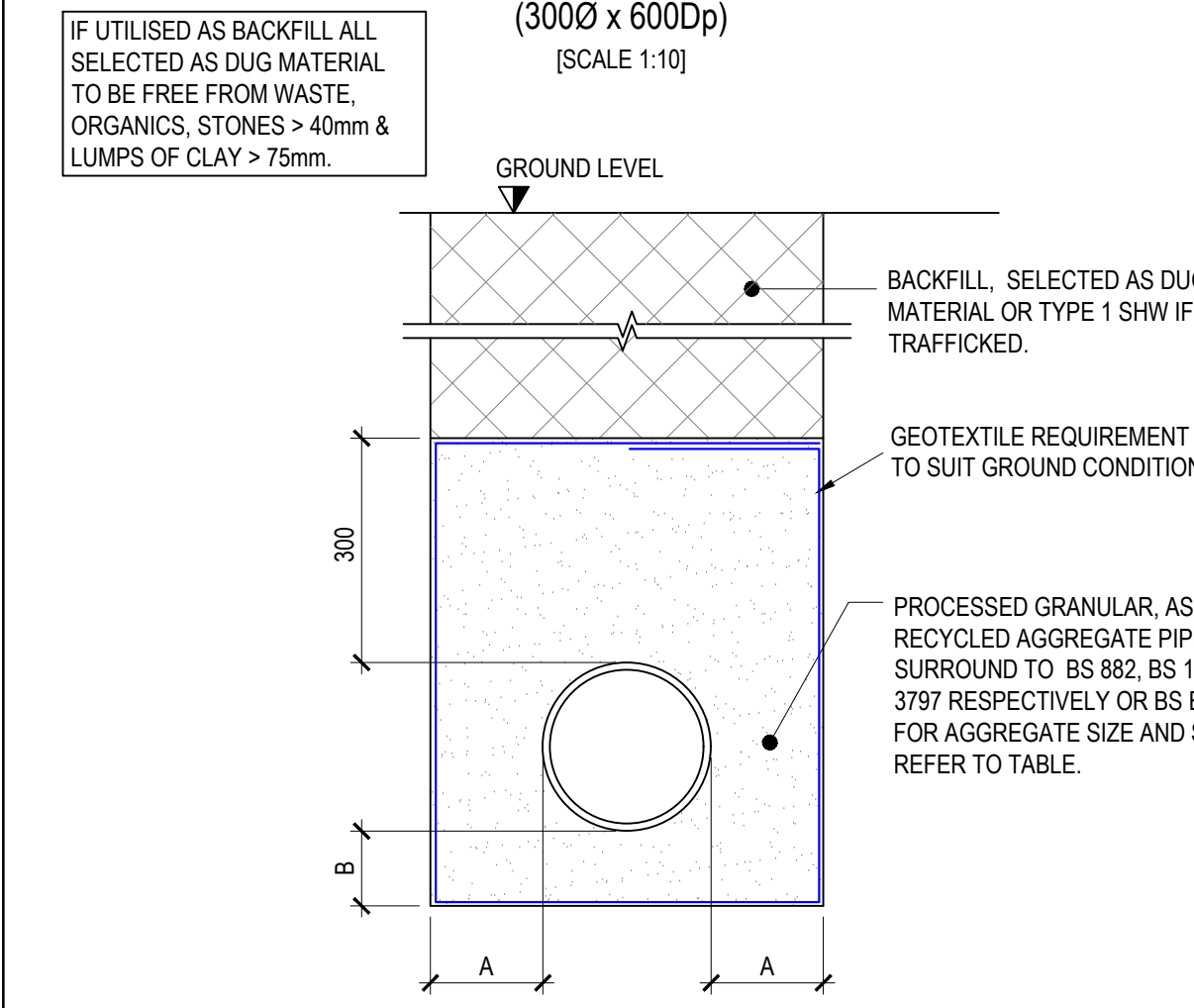
TYPICAL MANHOLE PLAN DETAIL TYPE C (TYPE 2)
DEPTH TO SOFFIT OF PIPE LESS THAN 1.5m, MAX PIPE DIA 450mm
(SCALE 1:20)



TYPICAL CATCHPIT MANHOLE PLAN & SECTION
(BACKFILL, SHAFT, ACCESS, COVER SLAB AND COVER & FRAME AS PER POC MANHOLES)
(SCALE 1:20)

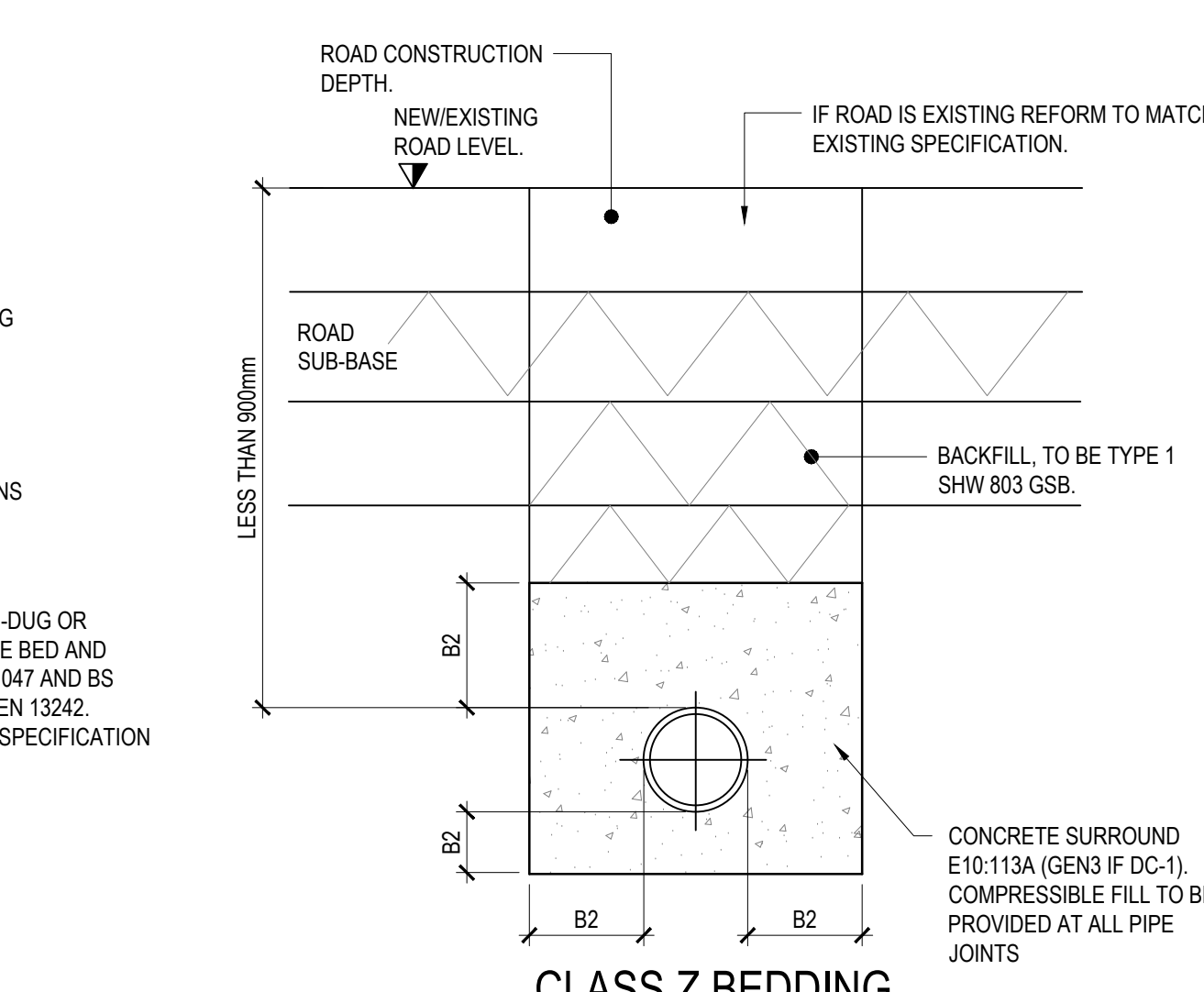


ROAD GULLY
(3000 x 600DP)
(SCALE 1:10)



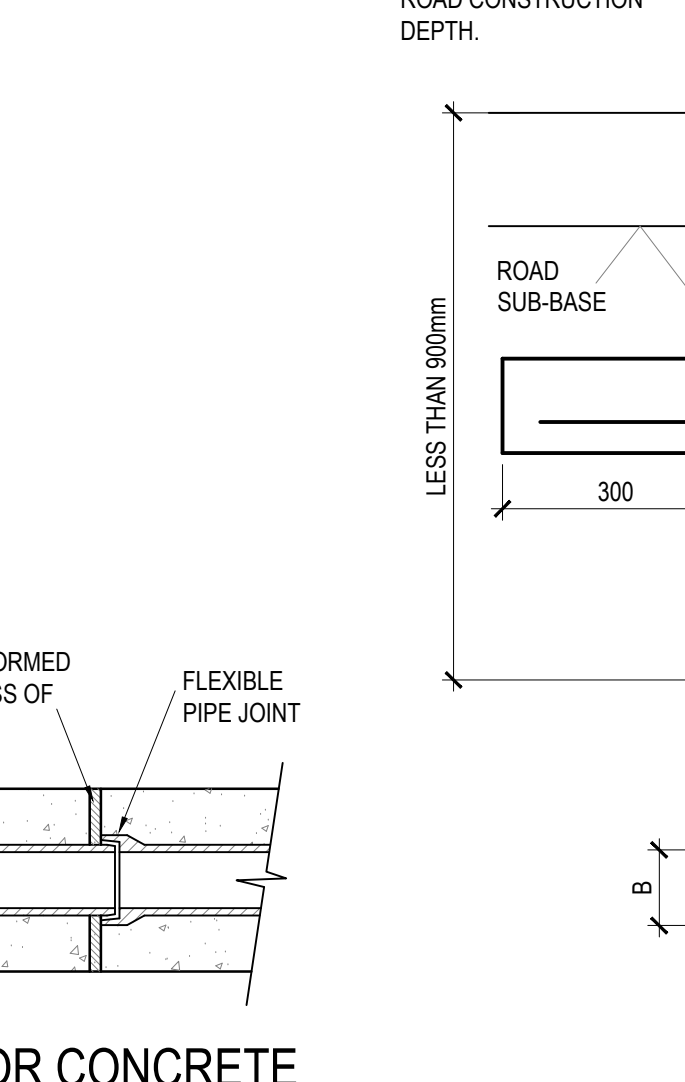
CLASS S BEDDING
NON PRESSURISED FLEXIBLE PIPES
(SCALE 1:10 @ A1)

RWP DETAIL
(SCALE 1:10)

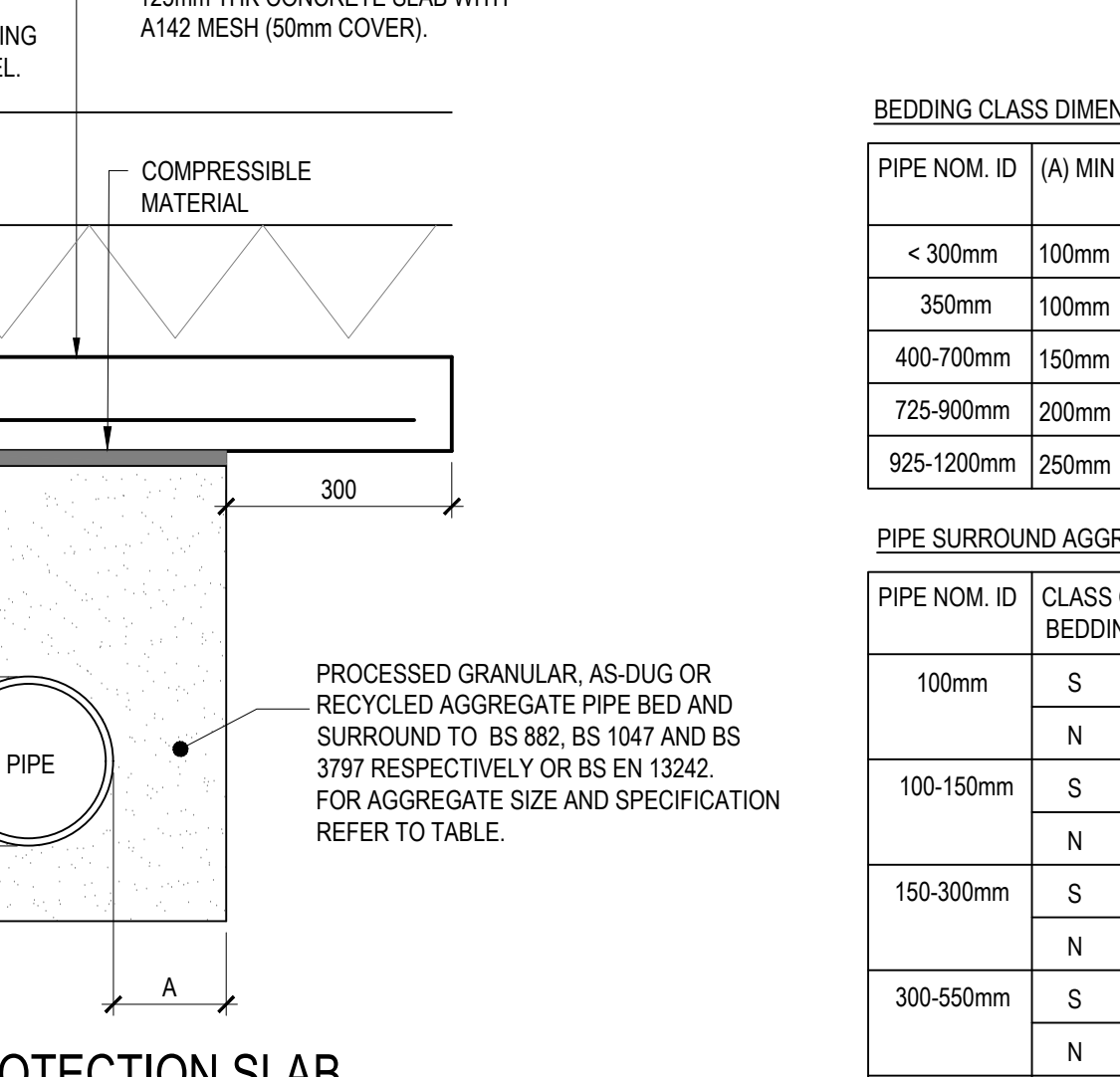


SOIL VENT PIPE
(SCALE 1:10)

SOIL VENT PIPE
(SCALE 1:10)



YARD GULLY CONNECTION DETAIL
(SCALE 1:10)

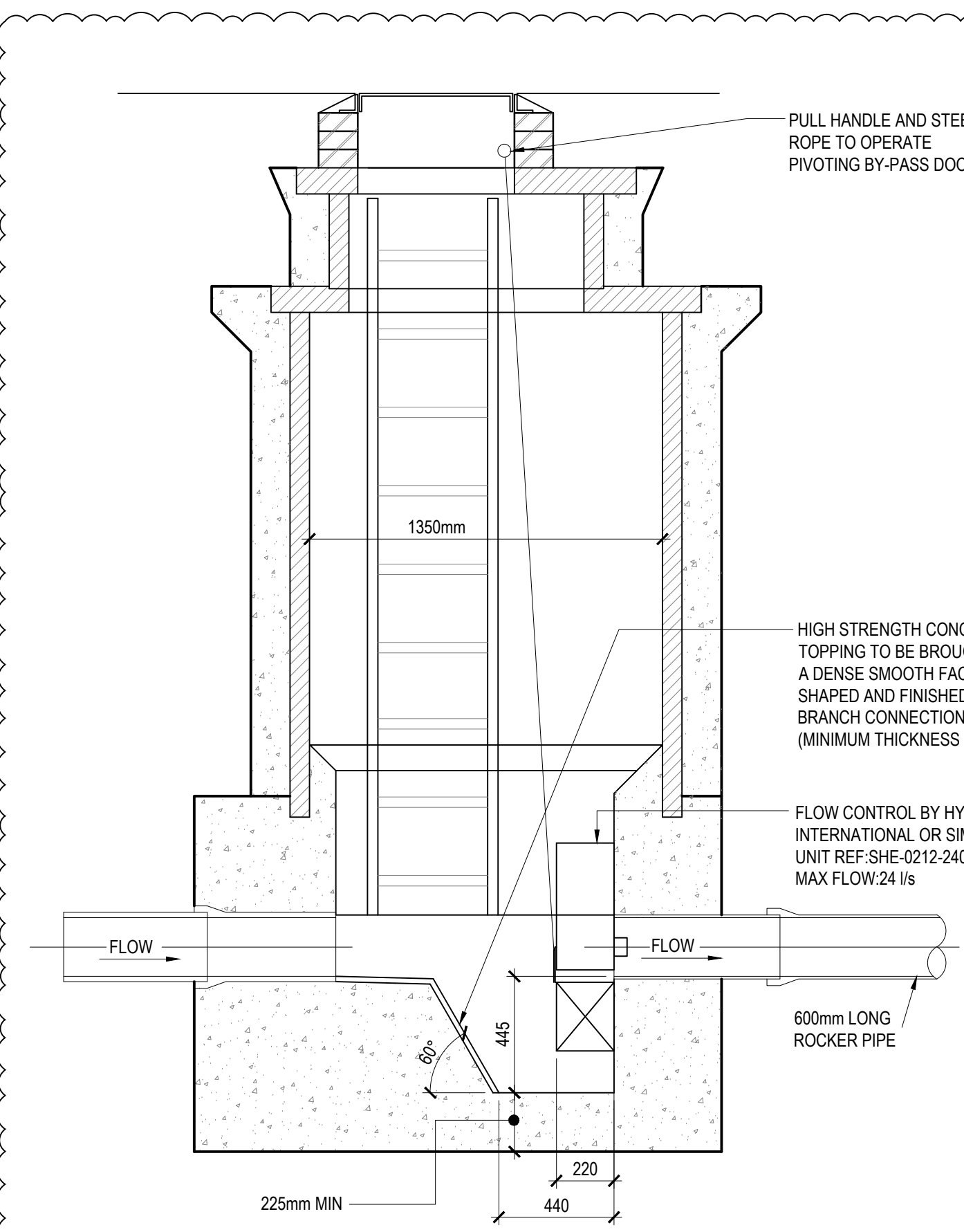


PIPES UNDER SLABS
(SCALE 1:10)

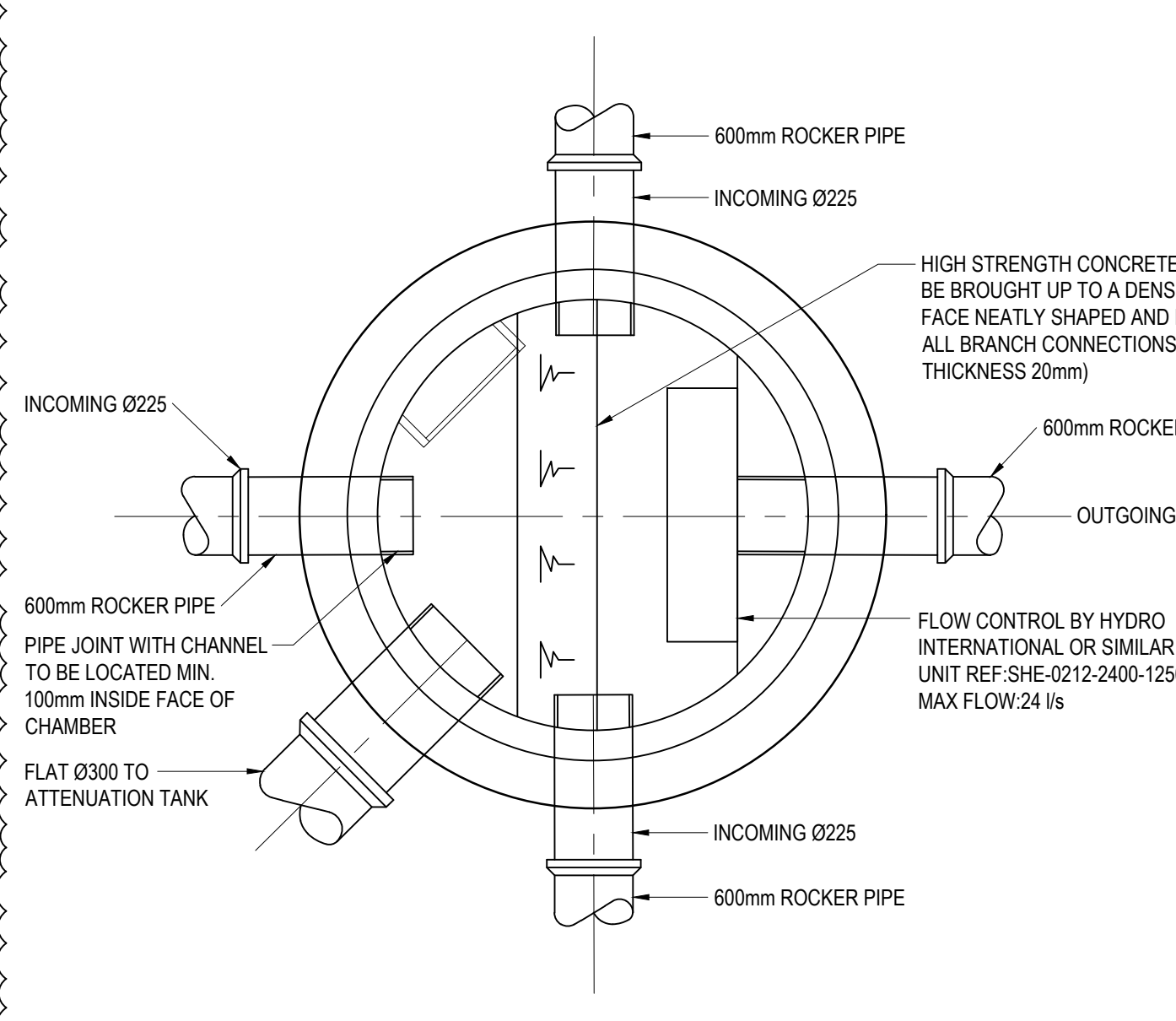
PIPE NOM. ID	(A) MIN	(A) MAX	(B)1 EVEN TRENCH BOTTOM	(B)2 ROCK OR UNEVEN TRENCH BOTTOM
< 300mm	100mm	300mm	100mm	150mm
300mm	100mm	300mm	100mm	200mm
400-700mm	150mm	350mm	150mm	250mm
725-900mm	200mm	400mm	200mm	300mm
925-1200mm	250mm	550mm	250mm	350mm

PIPE SURROUND AGGREGATE SIZE (FROM WIS 4-08-02)	PERMISSIBLE BEDDING MATERIAL
100mm	S 10mm NOM. SINGLE SIZE COURSE, MEDIUM OR FINE SAND
100-150mm	S 10 OR 14mm NOM. SINGLE SIZE OR 14-5mm GRADED COURSE, MEDIUM OR FINE SAND
150-300mm	S 10, 14 OR 20mm NOM. SINGLE SIZE OR 14-5mm GRADED ALL-IN AGG. OR COURSE, MEDIUM OR FINE SAND
300-650mm	S 14 OR 20mm NOM. SINGLE SIZE OR 14-5mm GRADED ALL-IN AGG. OR COURSE, MEDIUM OR FINE SAND
OVER 650mm	S 14, 20 OR 40mm NOM. SINGLE SIZE OR 14-5mm GRADED ALL-IN AGG. OR COURSE, MEDIUM OR FINE SAND

NOTE: PROCESSED AGGREGATE MATERIALS TO BS 882, AIR-COOLED BLAST FURNACE SLAG TO BS 1047 AND LIGHTWEIGHT AGGREGATES TO BS 379



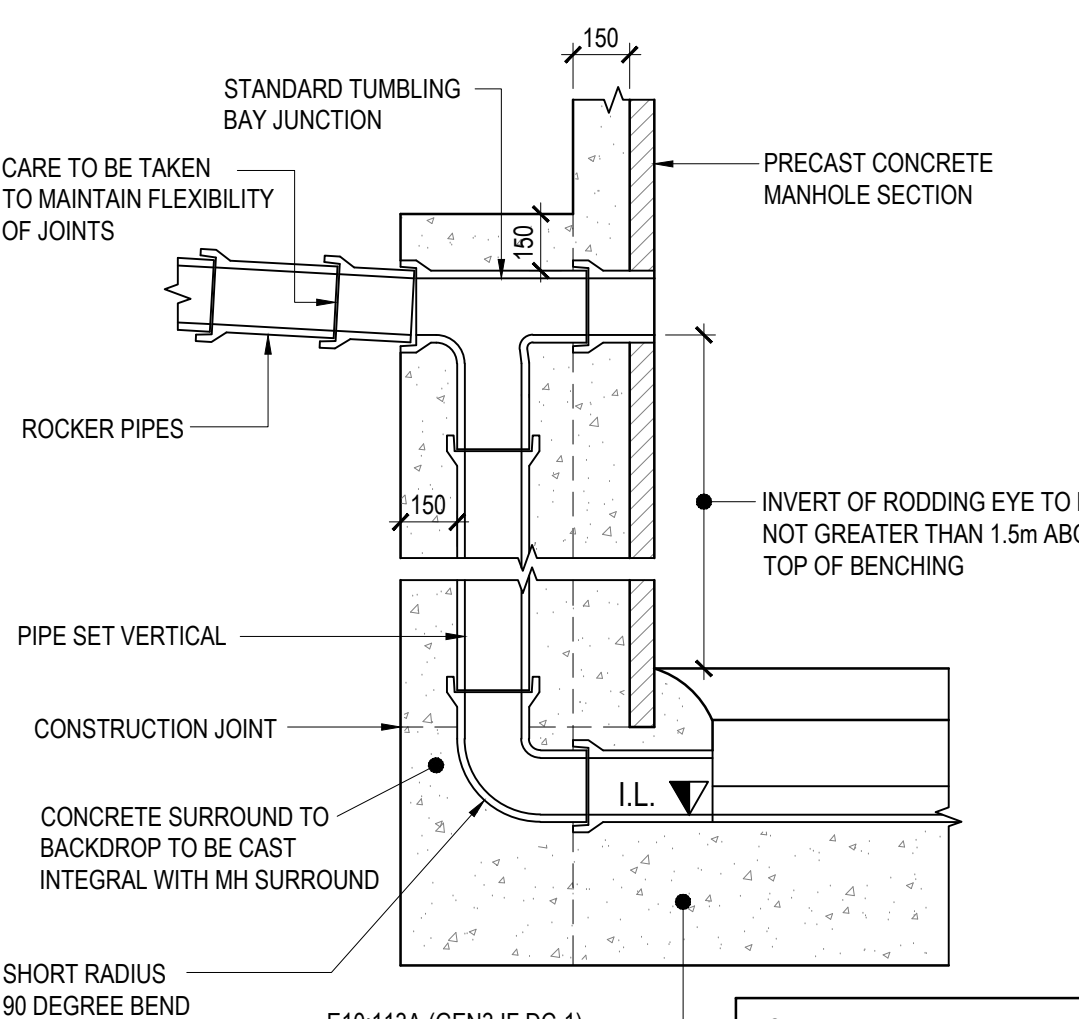
TYPICAL SECTION THROUGH MANHOLE
HYDROBRAKE S16
(SCALE 1:20)



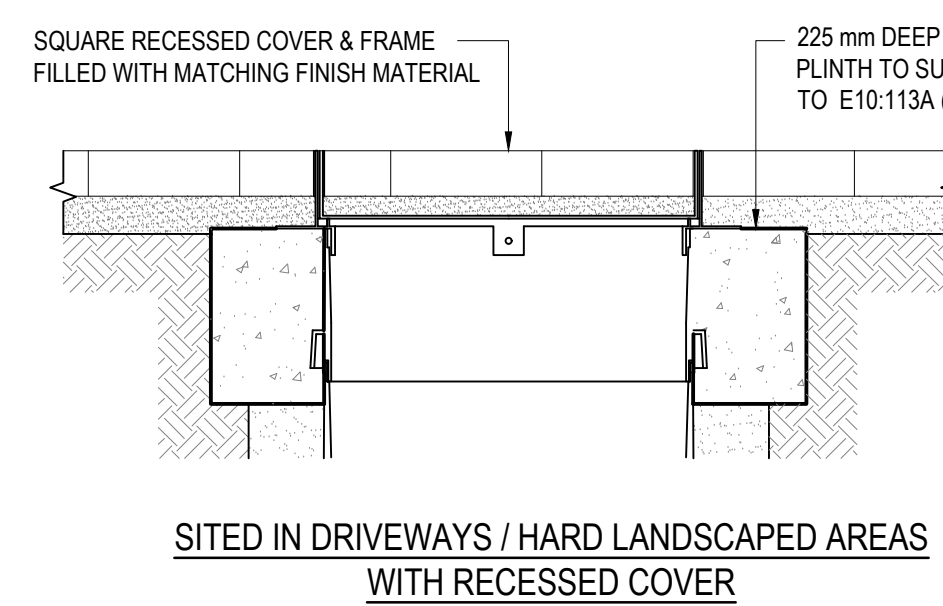
TYPICAL MANHOLE PLAN DETAIL
HYDROBRAKE S16
(SCALE 1:20)

TYPICAL VERTICAL EXTERNAL BACKDROP DETAIL
(SCALE 1:20)

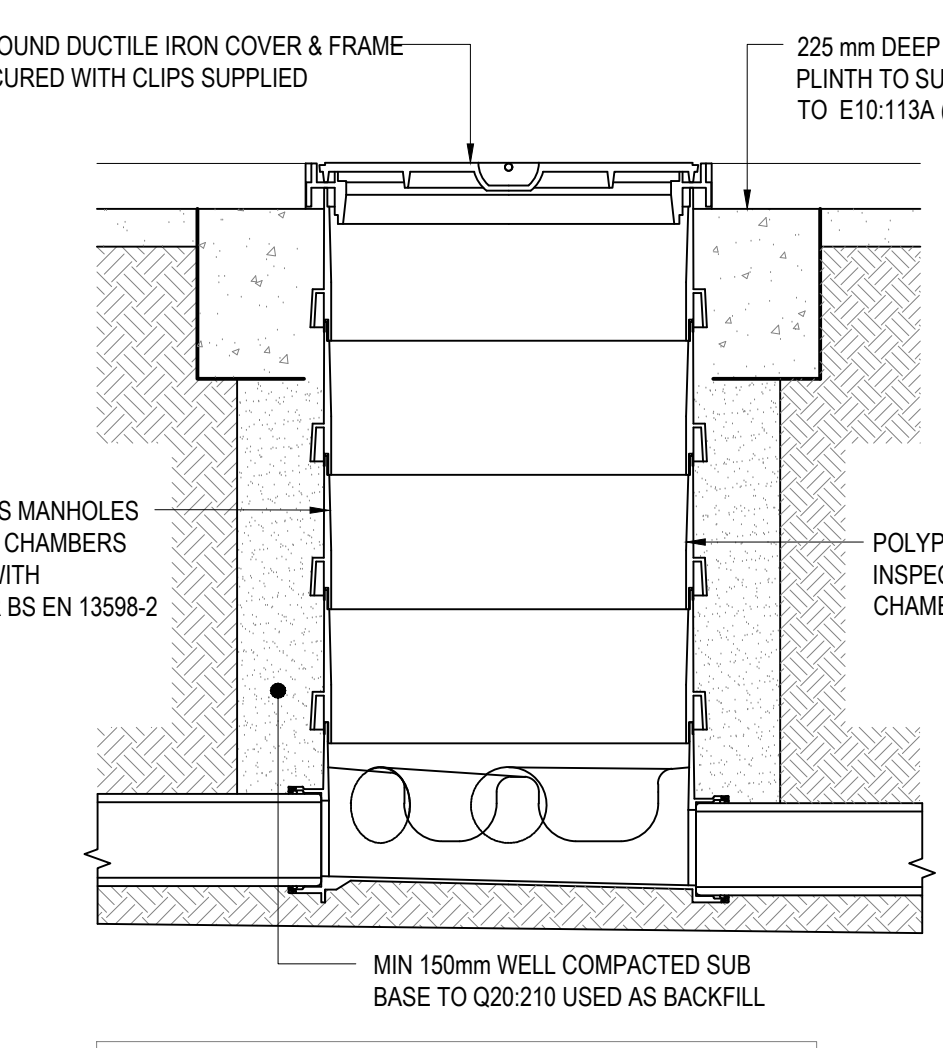
POLYPROPYLENE INSPECTION CHAMBER
INSTALLATION DETAIL (475Ø UPTO 1.2m DEEP)
(HEPWORTH PRODUCTS)
NTS



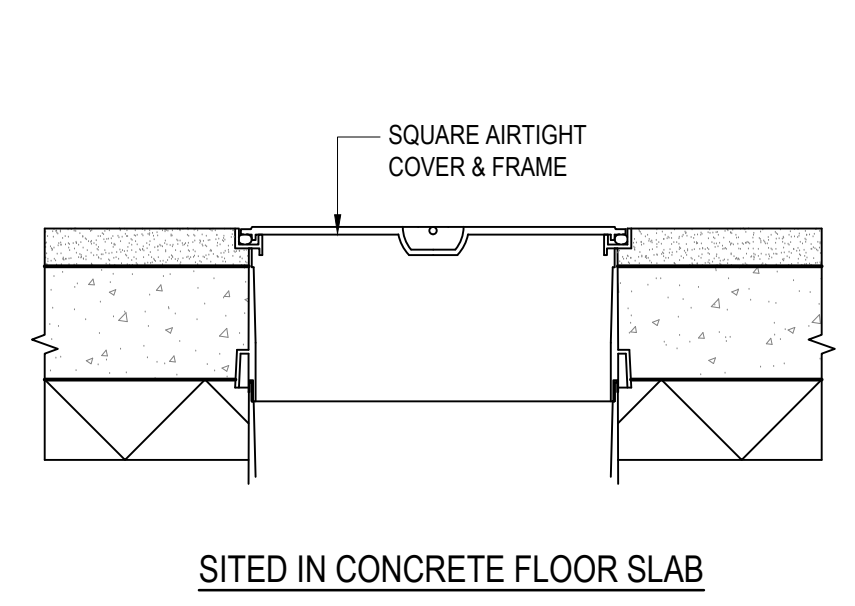
TYPICAL VERTICAL EXTERNAL BACKDROP DETAIL
(SCALE 1:20)



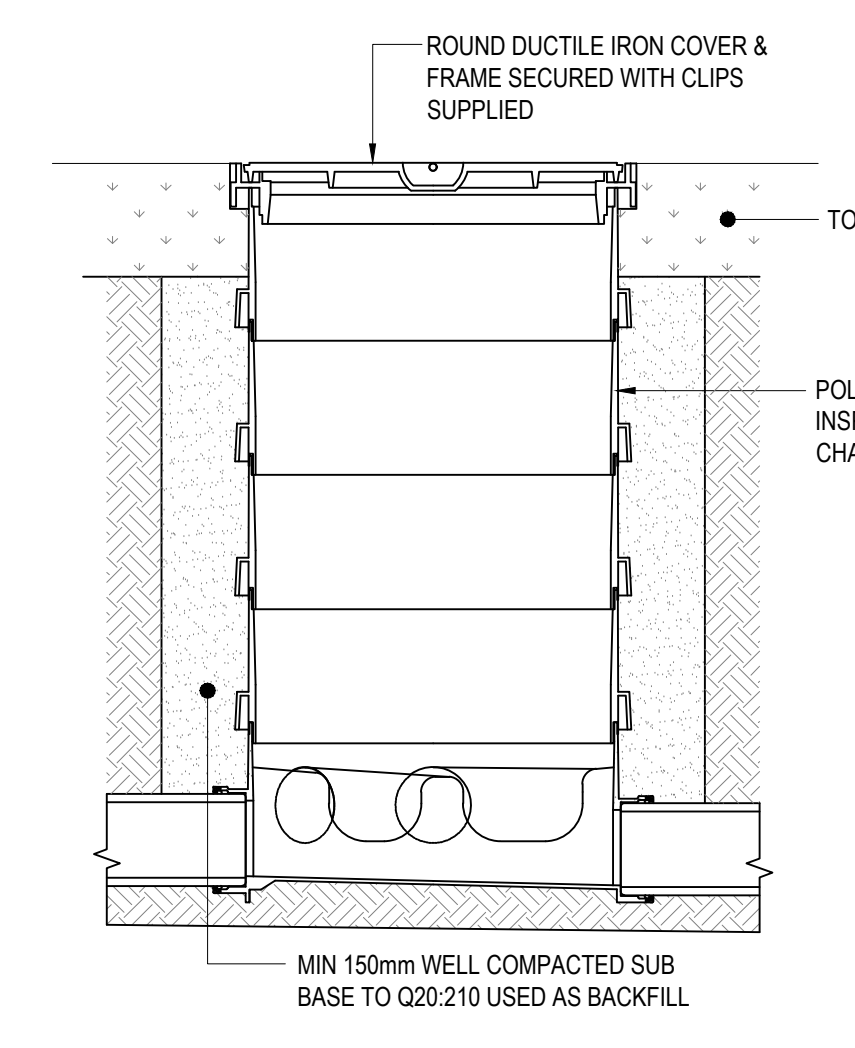
SITED IN DRIVEWAYS / HARD LANDSCAPED AREAS
WITH RECESSED COVER



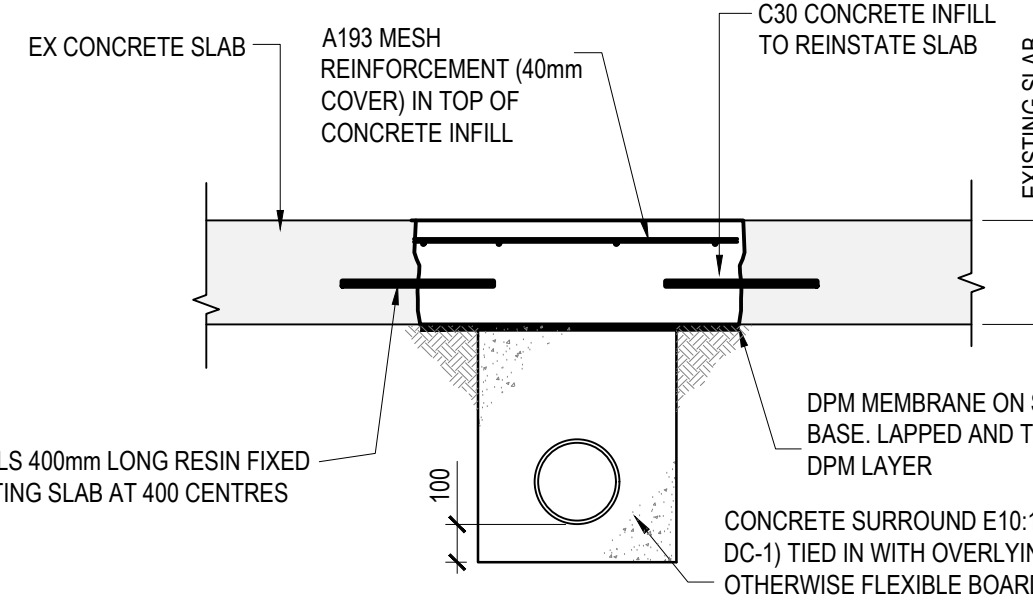
SITED IN DRIVEWAYS / HARD LANDSCAPED AREAS
WITH STANDARD ROUND COVER



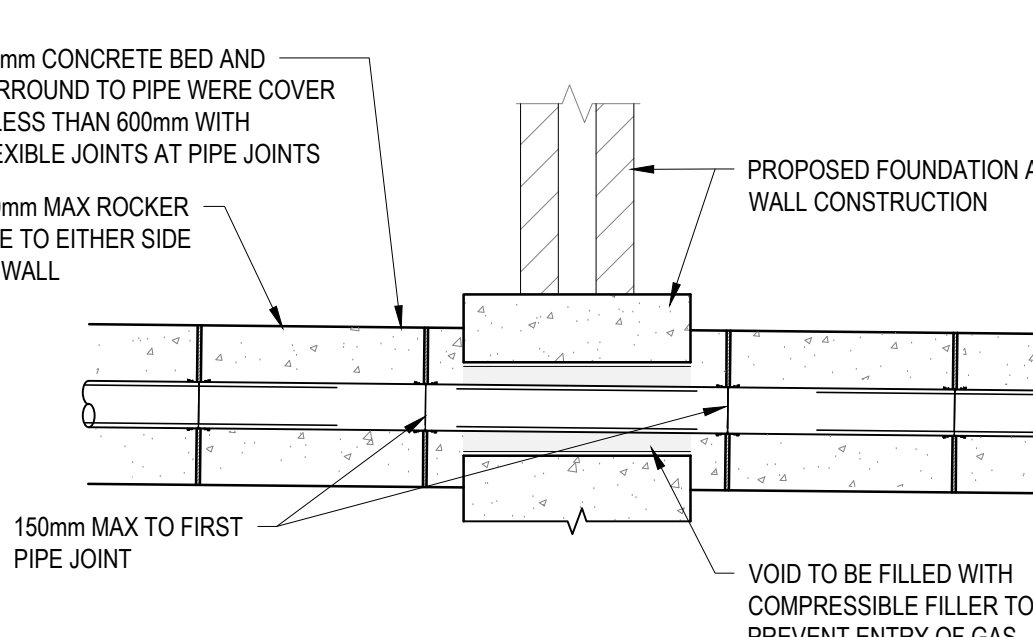
SITED IN CONCRETE FLOOR SLAB



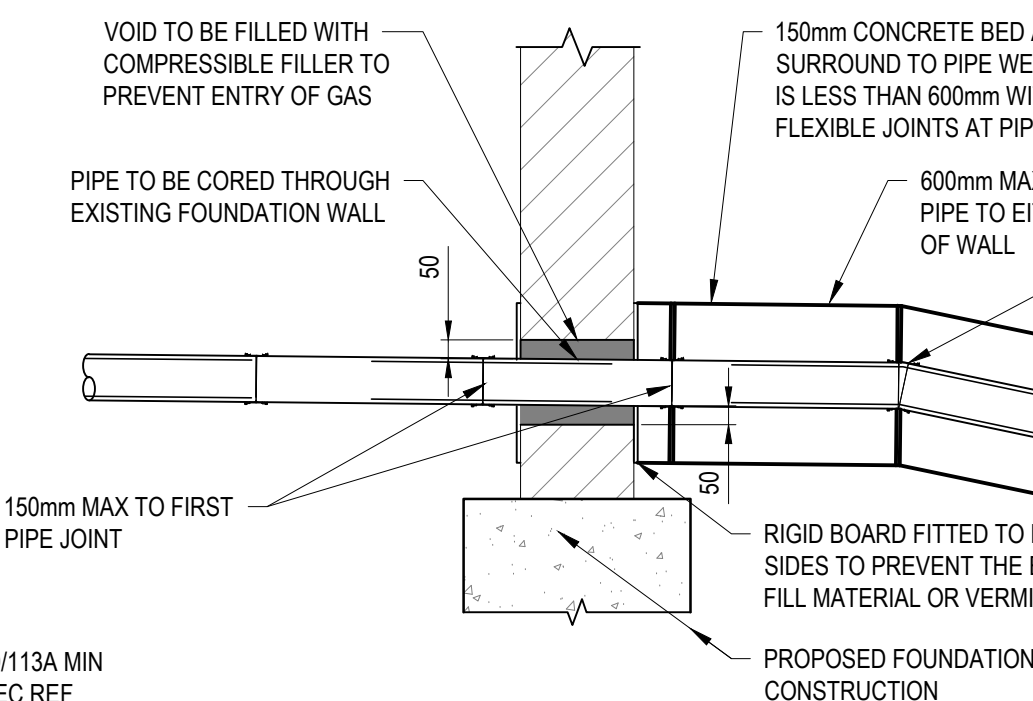
SITED IN SOFT LANDSCAPED AREAS WITH
STANDARD ROUND COVER



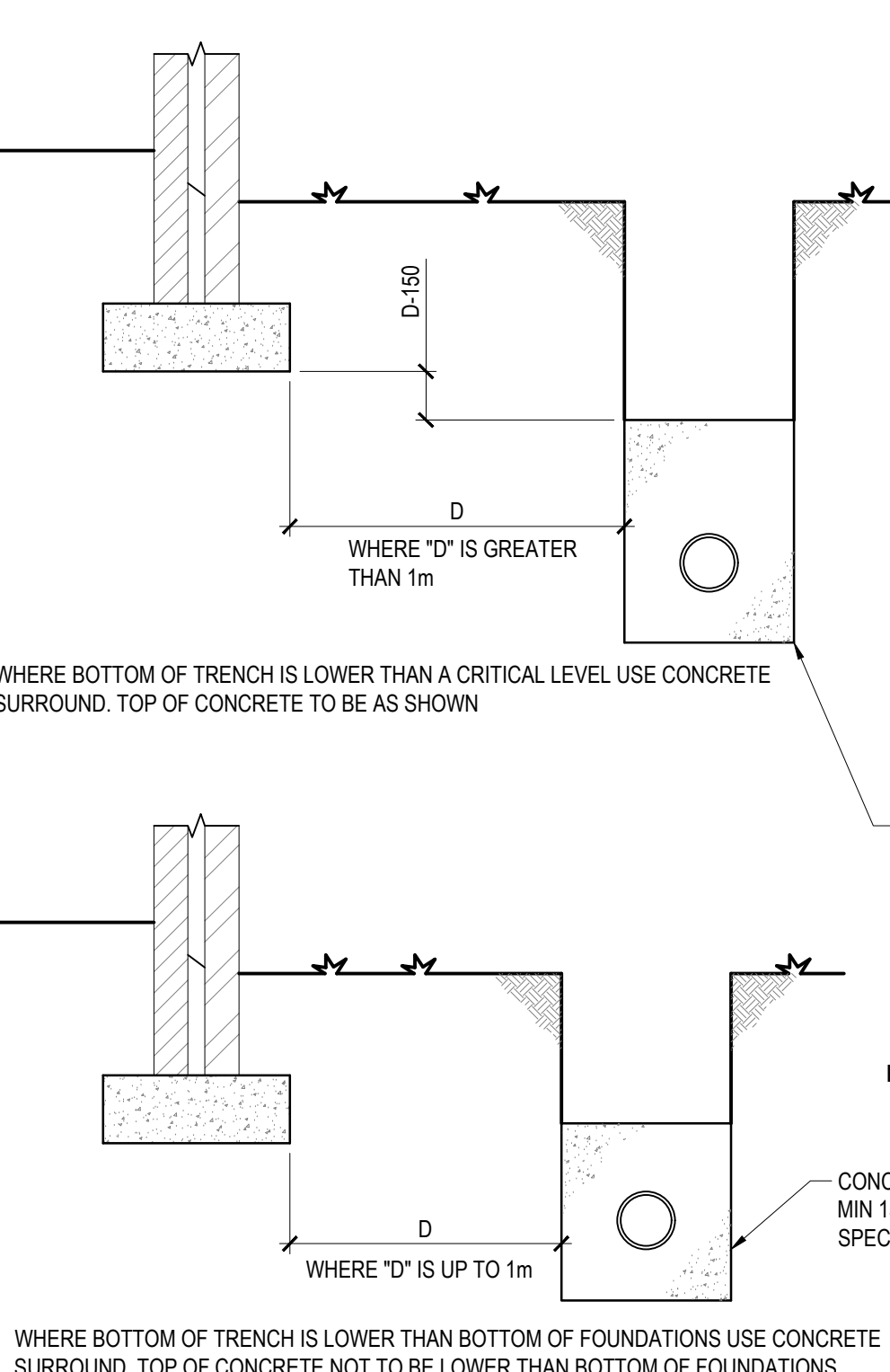
SLAB REPAIR FOR DRAIN TRENCHES
(SCALE 1:20)



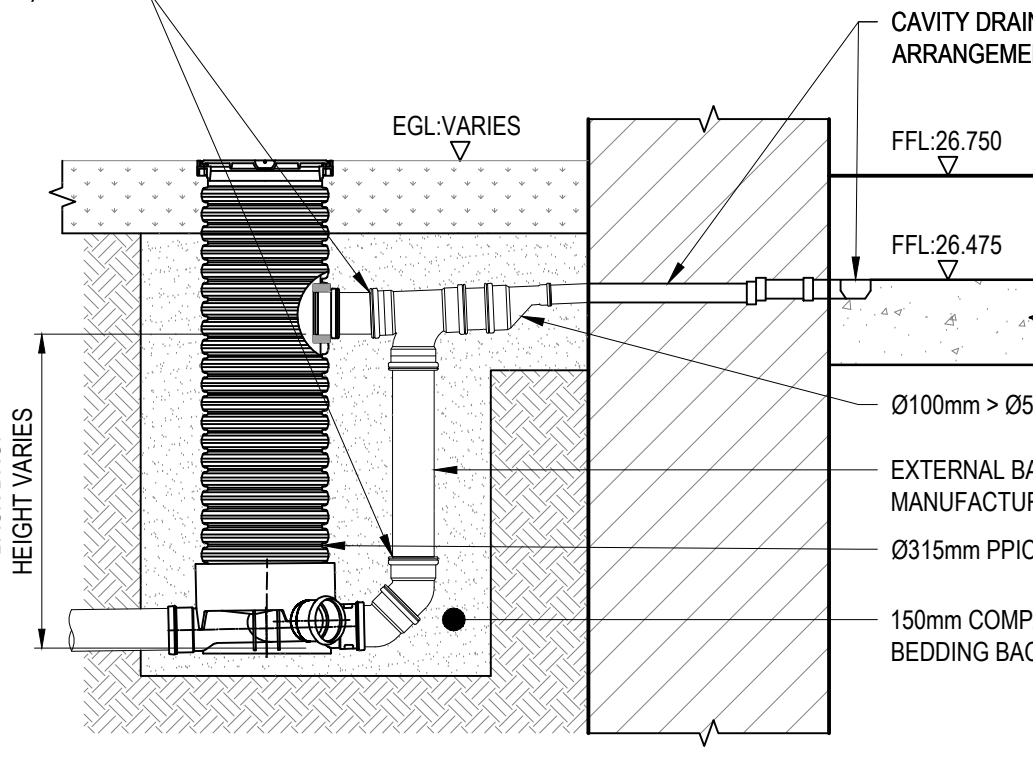
PIPE THROUGH FOUNDATION TYPICAL DETAIL
(SCALE 1:20)



PIPE THROUGH FOUNDATION WALL
TYPICAL DETAIL
(SCALE 1:20)



PIPES NEAR FOUNDATIONS
(SCALE 1:20)



TYPICAL CAVITY DRAIN CONNECTION DETAIL
(SCALE 1:20)

SUBJECT TO APPROVAL FROM
LOCAL PLANNING AUTHORITY
AND UNITED UTILITIES

CONSTRUCTION

C03	REVISED TO SUIT LPA COMMENTS.	20.02.25	DB	RJ
C02	DETAILS ADDED/UPDATED.	11.09.24	DB	RJ
Rev	CONSTRUCTION ISSUE	07.08.24	DB	RJ
C01	Amendment	Date	By	Chkd
Project: TALBOT MILL MANCHESTER				
Client: CAPITAL & CENTRIC				
Title				
TYPICAL DRAINAGE DETAILS				
WML 650 No. 10531	Drawn RH	Checked RJ	Date DECEMBER 2022	Scale AS SHOWN
WML CONSULTING Civil, Structural & Geotechnical Engineers				
No. 8 Oak Green East Road Sharncliffe Green Business Park Chester CH66 6RL Tel: 0161 442 0800 Fax: 0161 442 0810 email: info@wmlconsulting.com www.wmlconsulting.com				
Drawing No. 10531 - WML - ZZ - XX - DR - C - 9002 Rev				