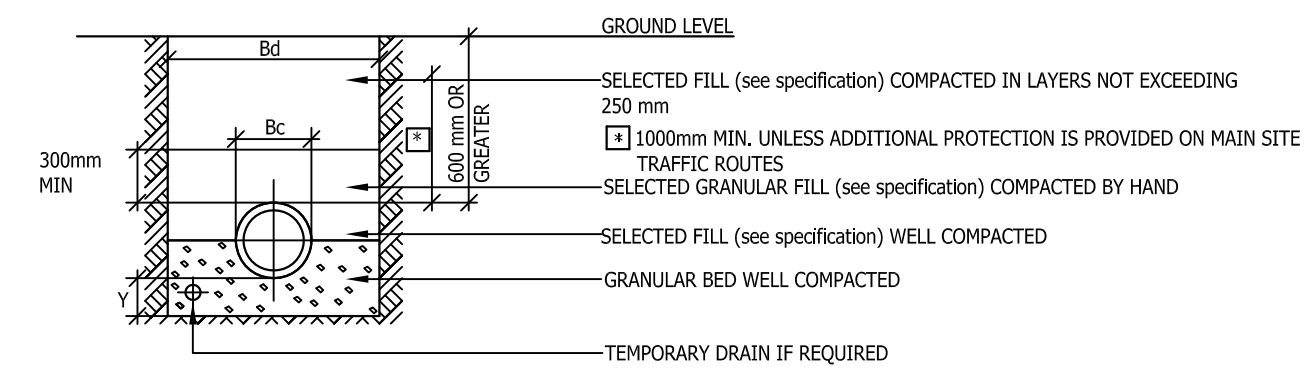
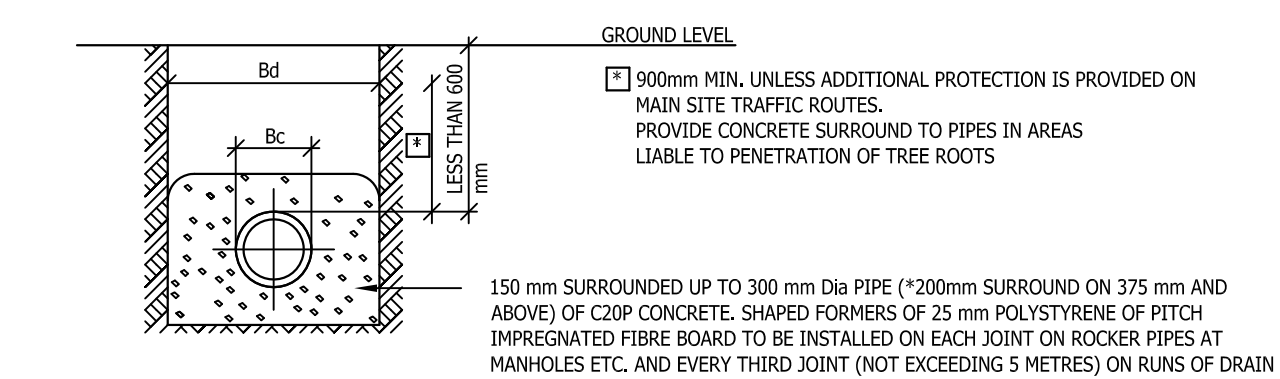


CLASS B GRANULAR BED



CONCRETE BED & SURROUND (C.B.S.)



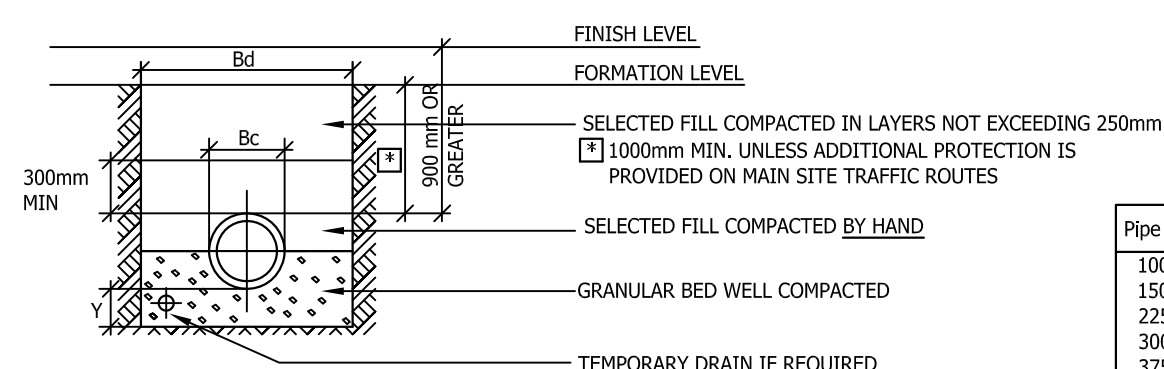
- DIMENSION Y =
- IN ROCK, CONCRETE OR MIXED SOILS CONTAINING ROCK BANDS, BOULDERS, LARGE FLINTS OR STONES OR OTHER IRREGULAR HARD SPOTS THAT RESULT IN UNEVEN TRENCH BOTTOM Y=1/4 Bc OR 200 mm WHICH EVER IS THE GREATER, BUT NOT LESS THAN 50mm UNDER COLLARS
- NOTES
- IN SOILS THAT PERMIT AN EVEN TRENCH BOTTOM TO BE EXCAVATED Y=1/6 Bc OR 150 mm WHICH EVER IS GREATER, BUT NOT LESS THAN 50mm UNDER COLLARS
 - 1) FOR PIPES EXCEEDING 600 mm DIA REFER TO ENGINEER
 - 2) IN WET OR SOFT GROUND SEEK GUIDANCE FROM ENGINEER
 - 3) THE BEDDINGS MAY BE MODIFIED FOR CERTAIN SUB-SOIL CONDITIONS AT THE ENGINEERS DISCRETION
 - 4) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADDITIONAL PROTECTION IN AREAS SUBJECT TO LOADS FROM SITE TRAFFIC. THE CONTRACTOR SHALL IDENTIFY THESE ZONES AND RESTRICT TRAFFIC ELSEWHERE
 - 5) SEE ALSO BS 8301
 - 6) FOR GREATER TRENCH WIDTHS SEEK GUIDANCE FROM ENGINEER

PIPE SIZE	Bd TRENCH WIDTH
100 mm	0.6 m
150 mm	0.6 m
225 mm	0.7 m
300 mm	0.8 m
375 mm	1.1 m
400 mm	1.1 m
450 mm	1.2 m
500 mm	1.2 m
600 mm	1.4 m

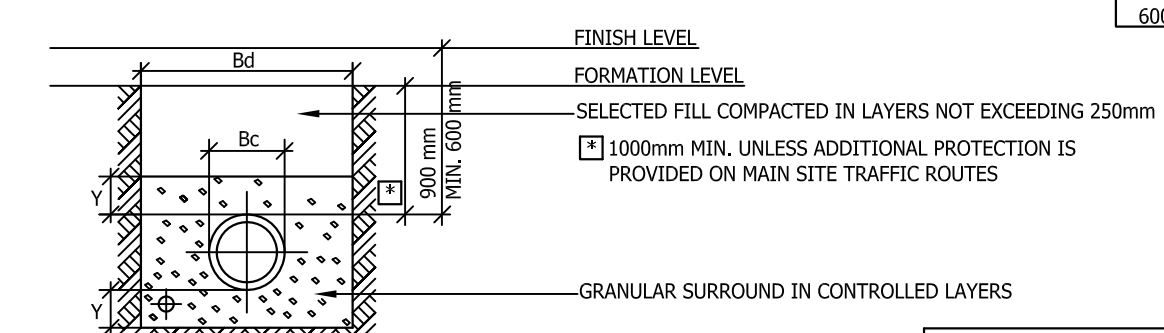
GRANULAR MATERIAL	PIPE SIZE	AGGREGATE
100 mm	10 mm	SINGLE SIZE
150 mm	10 mm	OR 14-5 mm GRADED
150 mm	10, 14, 20	SINGLE SIZE OR 20-25 mm GRADED
500 mm	10, 14, 20	OR 40 mm SINGLE
600 mm	CRUSHED ROCK	OR 40-45 mm GRADED

BEDDING DETAILS LANDSCAPE AREAS

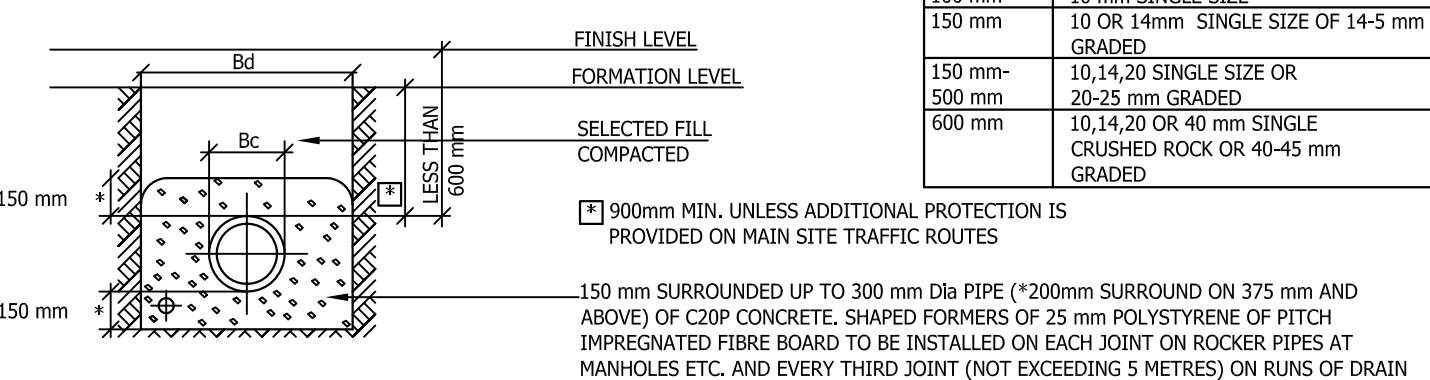
CLASS B GRANULAR BED



CLASS S GRANULAR SURROUND



CONCRETE BED & SURROUND (C.B.S.)



- DIMENSION Y =
- IN ROCK, CONCRETE OR MIXED SOILS CONTAINING ROCK BANDS, BOULDERS, LARGE FLINTS OR STONES OR OTHER IRREGULAR HARD SPOTS THAT RESULT IN UNEVEN TRENCH BOTTOM Y=1/4 Bc OR 200 mm WHICH EVER IS THE GREATER, BUT NOT LESS THAN 50mm UNDER COLLARS
- NOTES
- IN SOILS THAT PERMIT AN EVEN TRENCH BOTTOM TO BE EXCAVATED Y=1/6 Bc OR 150 mm WHICH EVER IS GREATER, BUT NOT LESS THAN 50mm UNDER COLLARS
 - 1) FOR PIPES EXCEEDING 600 mm DIA REFER TO ENGINEER
 - 2) IN WET OR SOFT GROUND SEEK GUIDANCE FROM ENGINEER
 - 3) THE BEDDINGS MAY BE MODIFIED FOR CERTAIN SUB-SOIL CONDITIONS AT THE ENGINEERS DISCRETION
 - 4) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADDITIONAL PROTECTION IN AREAS SUBJECT TO LOADS FROM SITE TRAFFIC. THE CONTRACTOR SHALL IDENTIFY THESE ZONES AND RESTRICT TRAFFIC ELSEWHERE
 - 5) SEE ALSO BS 8301
 - 6) FOR GREATER TRENCH WIDTHS SEEK GUIDANCE FROM ENGINEER

BEDDING DETAILS LIGHT TRAFFIC AREAS

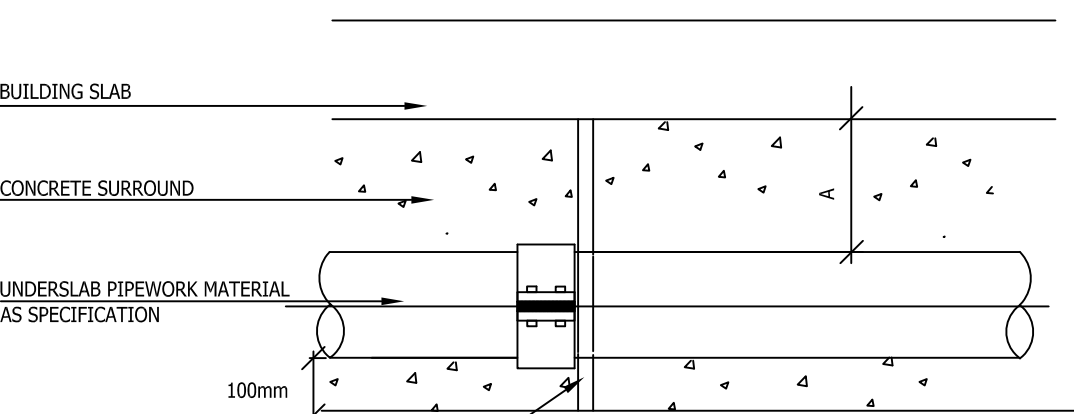
Pipe Size	Trench Width
100 mm	0.6 m
150 mm	0.6 m
225 mm	0.7 m
300 mm	0.8 m
375 mm	1.1 m
400 mm	1.1 m
450 mm	1.2 m
500 mm	1.2 m
600 mm	1.4 m

PIPE SIZE	AGGREGATE
100 mm	10 mm SINGLE SIZE
150 mm	10 OR 14mm SINGLE SIZE OF 14-5 mm GRADED
150 mm	10, 14, 20 SINGLE SIZE OR 20-25 mm GRADED
500 mm	10, 14, 20 OR 40 mm SINGLE
600 mm	CRUSHED ROCK OR 40-45 mm GRADED

GRANULAR BED
(* 'A' IS GREATER THAN 300mm)

PIPE DIA. Dn mm	RECOMMENDED TRENCH WIDTH Bd mm
100 mm	550
150 mm	600
225 mm	700
300 mm	750

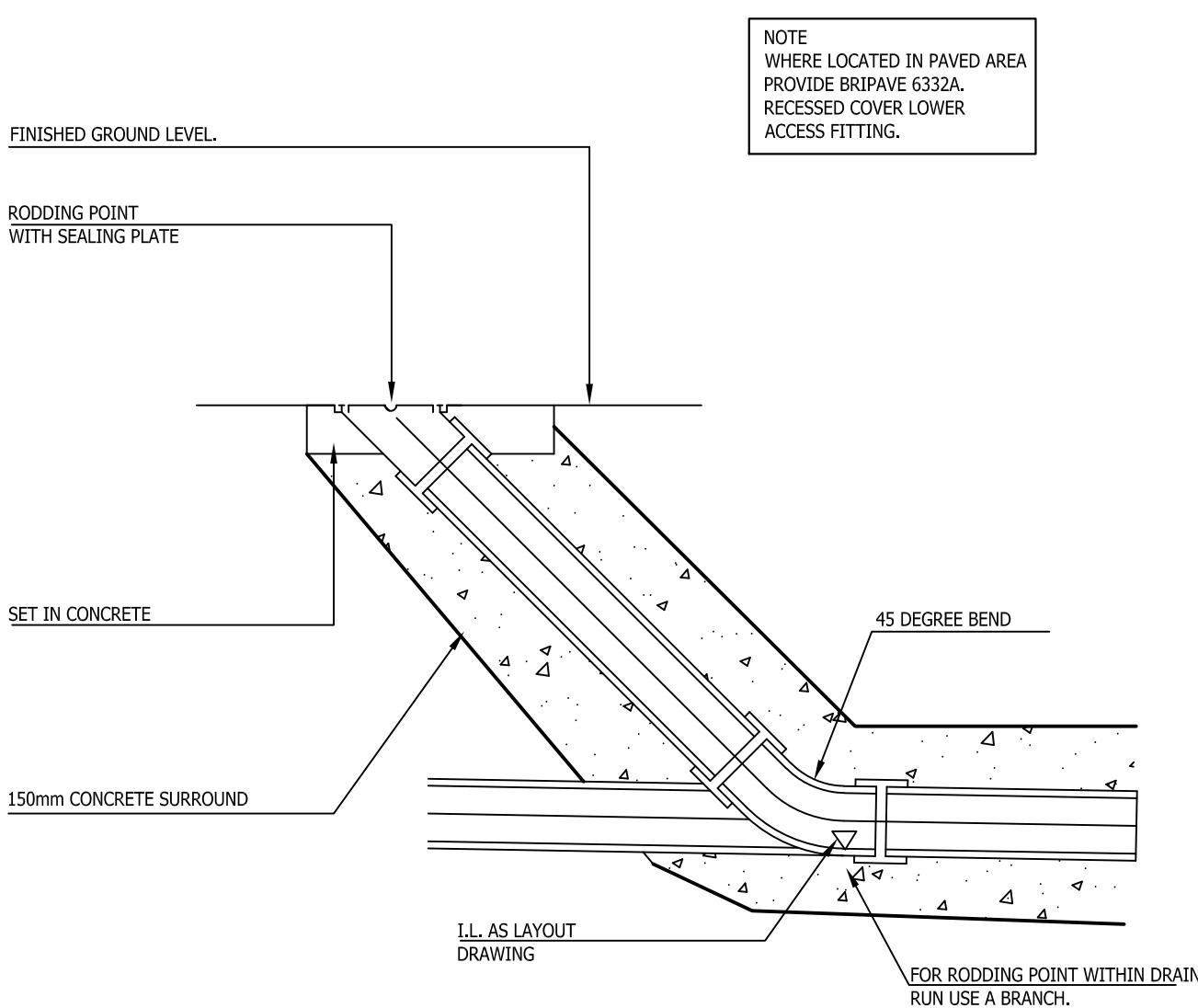
NOTE
WHEN DIMENSION 'A' IS GREATER THAN 300mm GRANULAR BED SHALL APPLY. IF LESS THAN 300mm THEN CONCRETE SURROUND. THIS DETAIL IS FOR PIPES LAID IN DRY UNIFORM SOILS ONLY. FOR WET SOILS ADD 75mm THICK LAYERS OF WEAK MIX CONCRETE UNDER BED.



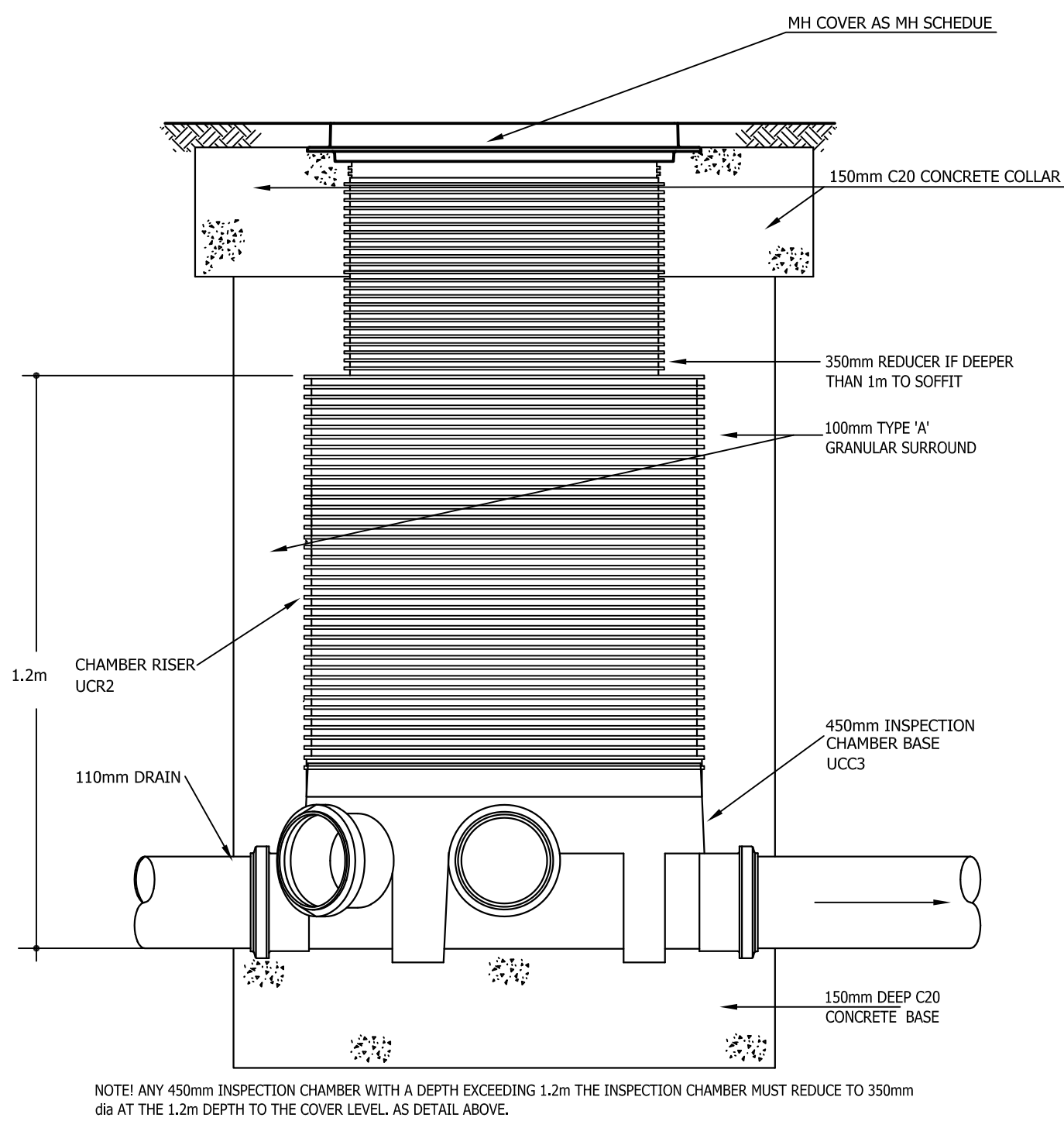
CONCRETE SURROUND
(* 'A' IS LESS THAN 300mm)

18mm THICK COMPRESSIBLE BOARD TO BS 1142 CUT TO PIPE PROFILE & INSERTED AT EACH JOINT

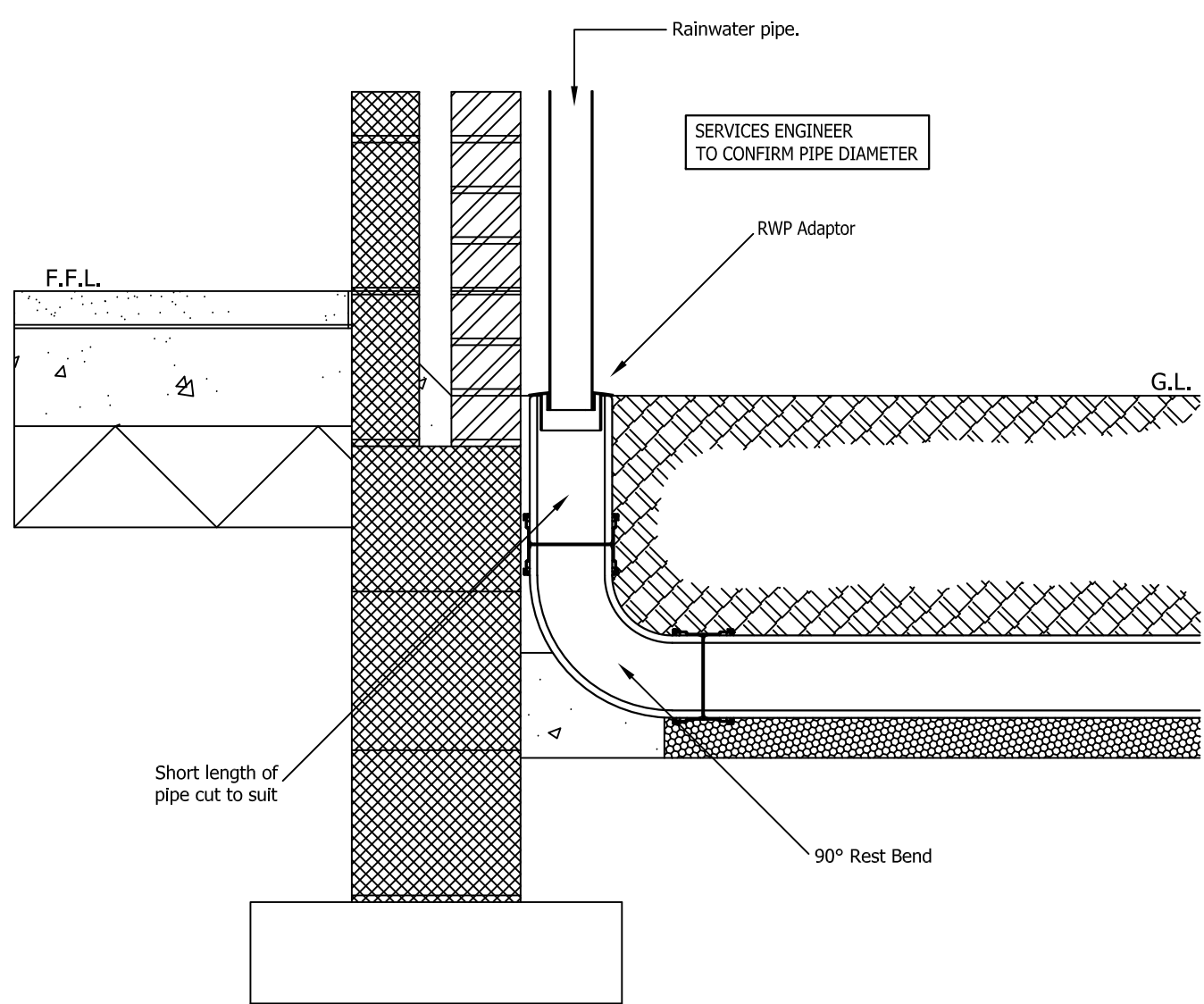
BEDDING DETAILS FOR
PIPE UNDERBUILDING



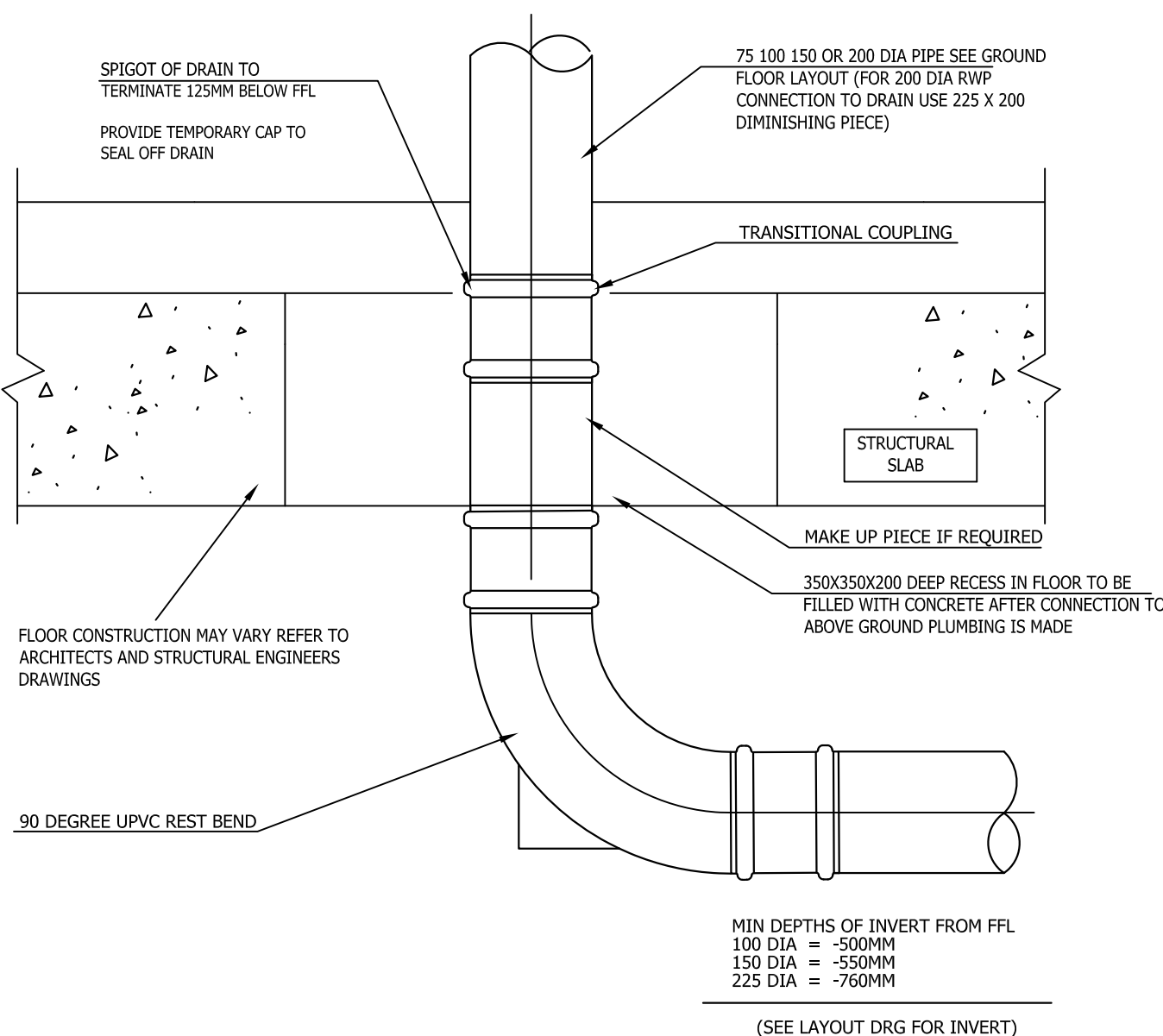
RODDING POINT SHALLOW DRAIN RUN



450mm INSPECTION CHAMBER



DOMESTIC RAINWATER PIPE CONNECTION
TO DRAIN



DRAIN POINT TERMINATION

- GENERAL NOTES
1. The location, size, depth and identification of existing services that may be shown or referred to on this drawing have been assessed from non intrusive observations, record drawings or the like. The contractor shall safely carry out intrusive investigations, trial holes or soundings prior to commencing work to satisfy himself that it is safe to proceed and that the assessments are accurate. Any discrepancies shall be notified to gta prior to works commencing.
 2. Tender or billing drawings shall not be used for construction or the ordering of materials.
 3. Do not scale. All dimensions and levels to be site confirmed.
 4. This drawing shall be read in conjunction with all relevant architects, consultants drawings and specifications, together with H&S plan requirements.
 5. Copyright : This drawing must not be copied, amended nor reproduced without the prior written agreement of gta.
 6. All drawings specifications and recommendations made by gta are subject to Local Authority and other relevant Statutory Authorities approval. Any works or services made abortive due to the client proceeding prior to these approvals is considered wholly at the Clients risk. gta hold no responsibility for resulting abortive works or costs.

P2	INSPECTION CHAMBER DETAIL AMENDED	04.06.2020	JR	MR
P1	INITIAL ISSUE	06.05.2020	JR	MR
Rev	Amendments	Date	Dsn	Chk

Status	PRELIMINARY		
Client	RANDALL & CHISNALL CONSTRUCTION LTD		
Architect	FOLKES ARCHITECTS		
Project	16 WORTHING ROAD FERRING, BN16 1AZ		
Title	SITE DRAINAGE DETAILS SHEET 1 OF 2		
Date	MAY 2020	Scale	@ A1
Clients Ref.		Project Ref.	7338
 Civils & Transport Gloucester House, 66a Church Walk, Burgess Hill, West Sussex, RH15 9AS Tel.01444 871444 Web: www.gtacivils.co.uk			
Drawing Number		Rev.	
7338/1701		P2	