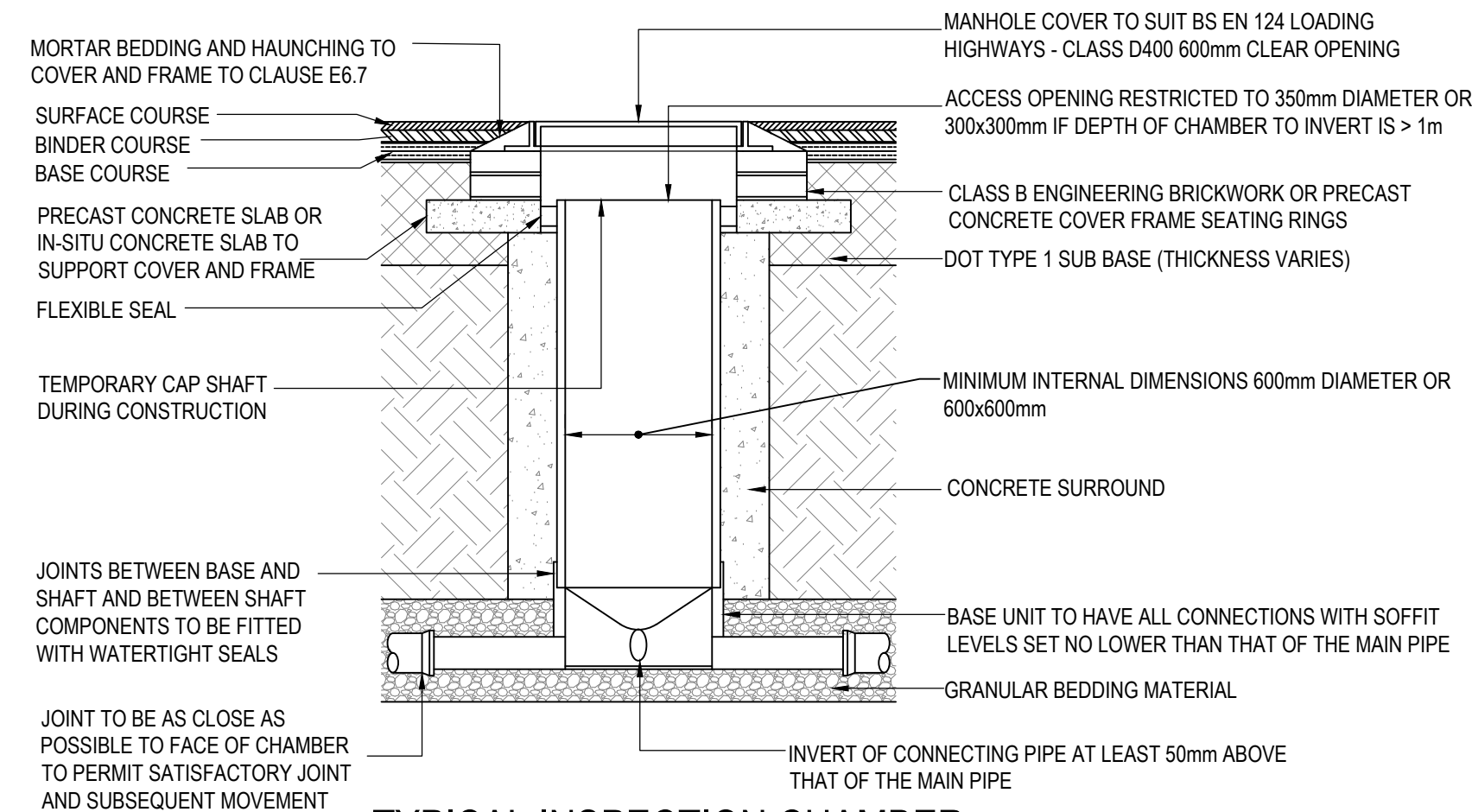
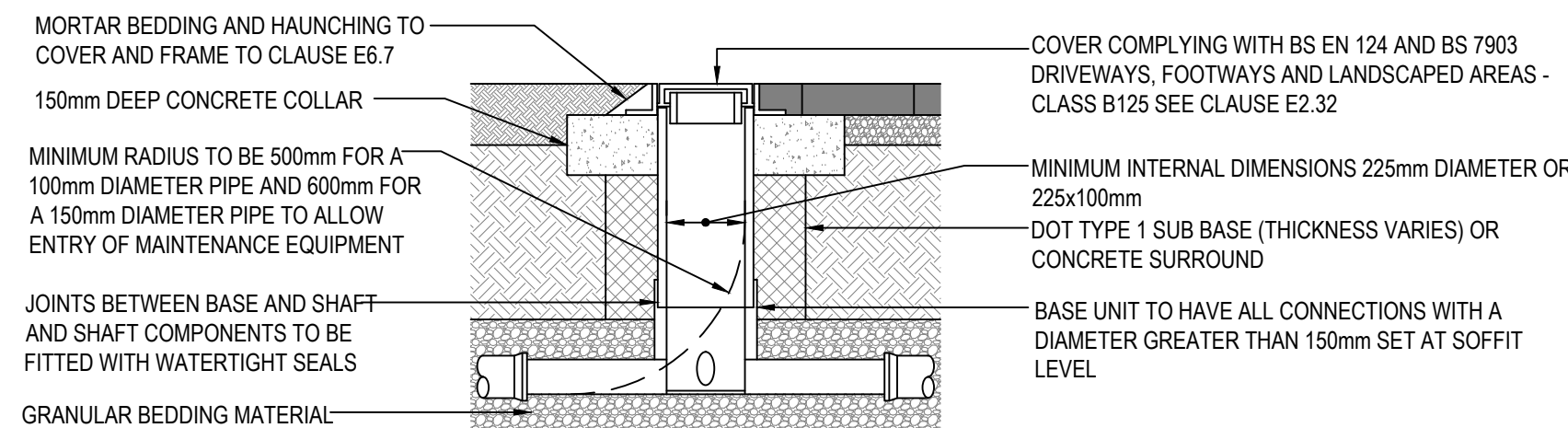


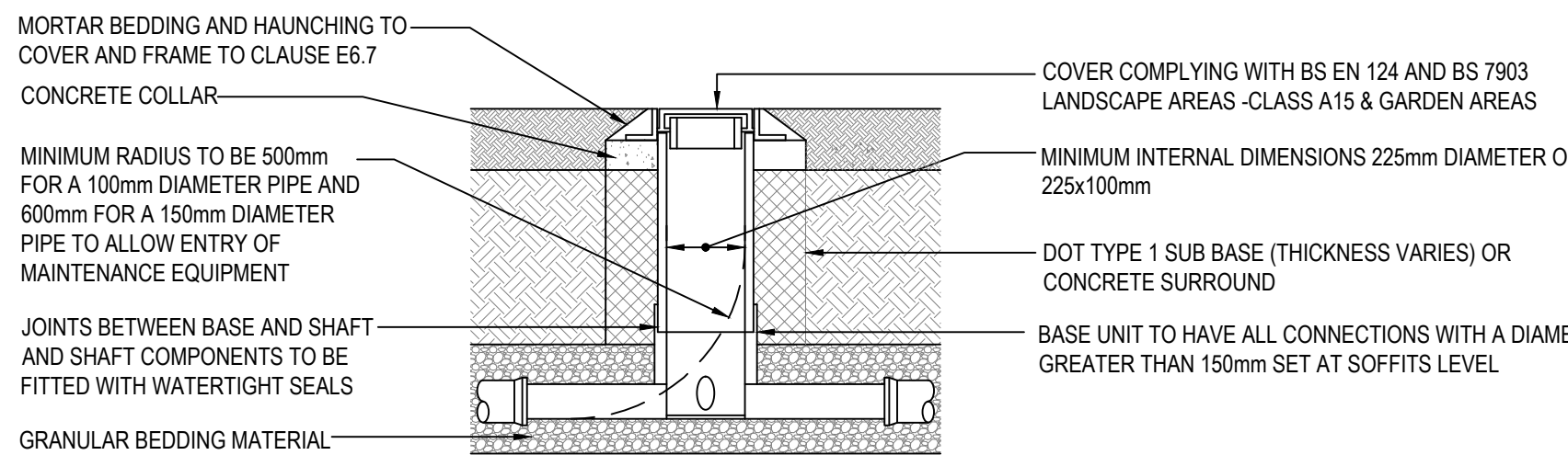


**TYPICAL INSPECTION CHAMBER
DETAIL - TYPE 3**
(FLEXIBLE MATERIAL DETAIL)



TYPICAL INSPECTION CHAMBER DETAIL - TYPE 4A
WITHIN PAVED AREAS

(REFER TO FIG. B.21 OF SEWERS FOR ADOPTION 7th ED) - SITED IN DRIVEWAYS/PAVED AREAS
(FLEXIBLE MATERIAL DETAIL)
SCALE 1:20



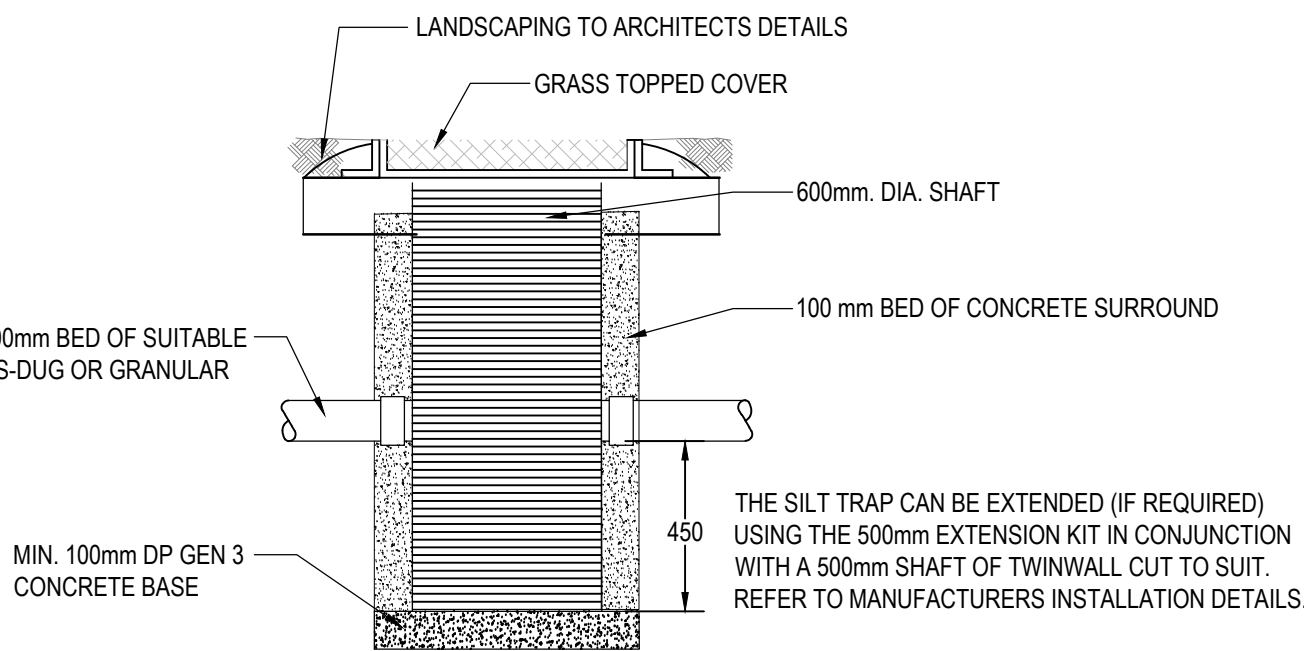
TYPICAL INSPECTION CHAMBER DETAIL - TYPE 4B
WITHIN LANDSCAPE AREAS

(REFER TO FIG. B.21 OF SEWERS FOR ADOPTION 7th ED) SITED IN DOMESTIC GARDENS
(FLEXIBLE MATERIAL DETAIL)
SCALE 1:20

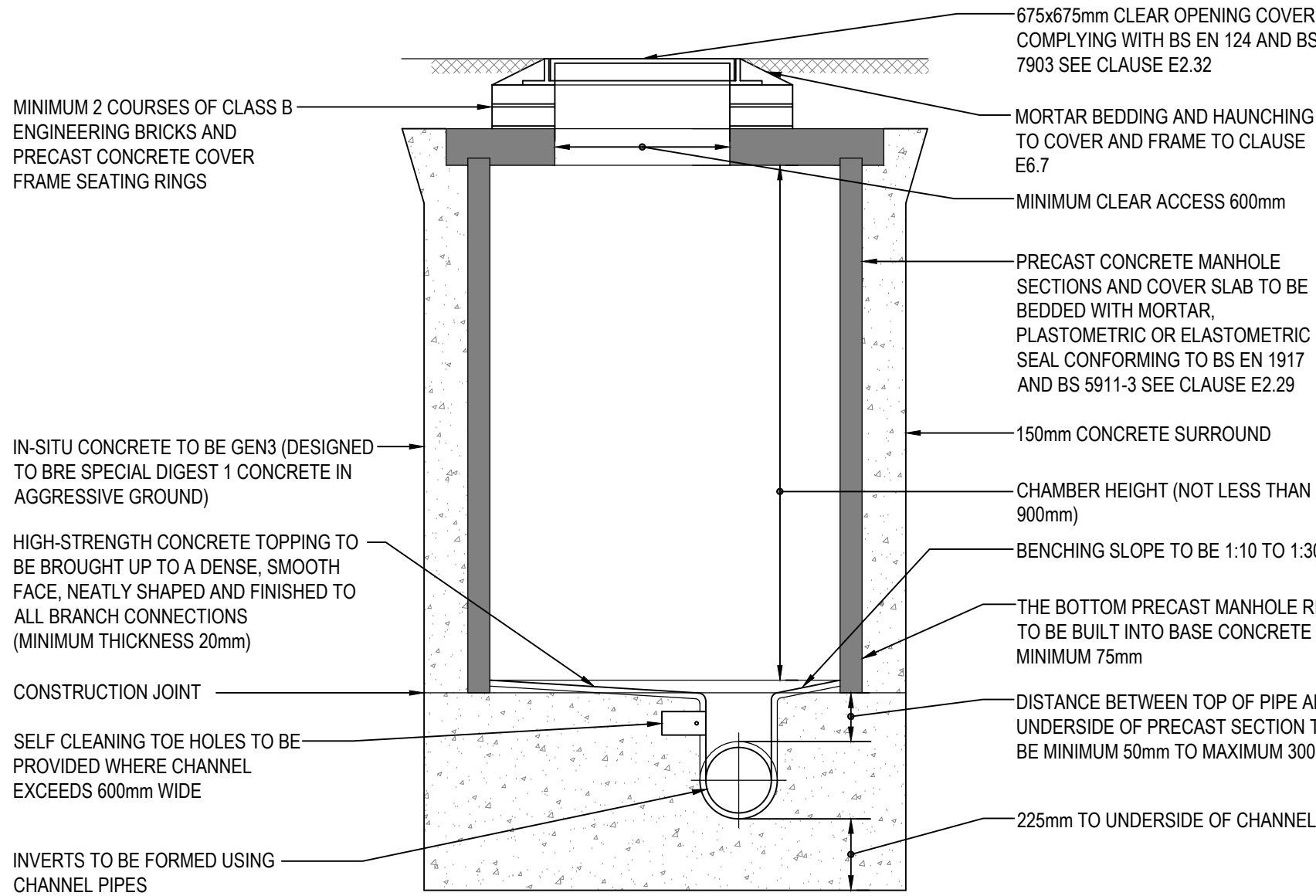
MAXIMUM DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 2m, NON-ENTRY
PLASTIC CHAMBERS AND RINGS SHALL COMPLY WITH BS EN 13598-1 AND BS EN 13598-2 OR HAVE EQUIVALENT INDEPENDENT APPROVAL

PIPE DIA.	ROCKER PIPE LENGTH
100 - 600	0.60m

**ROCKER PIPE DETAILS FOR INSPECTION
CHAMBERS, MANHOLES & CATCHPITS**

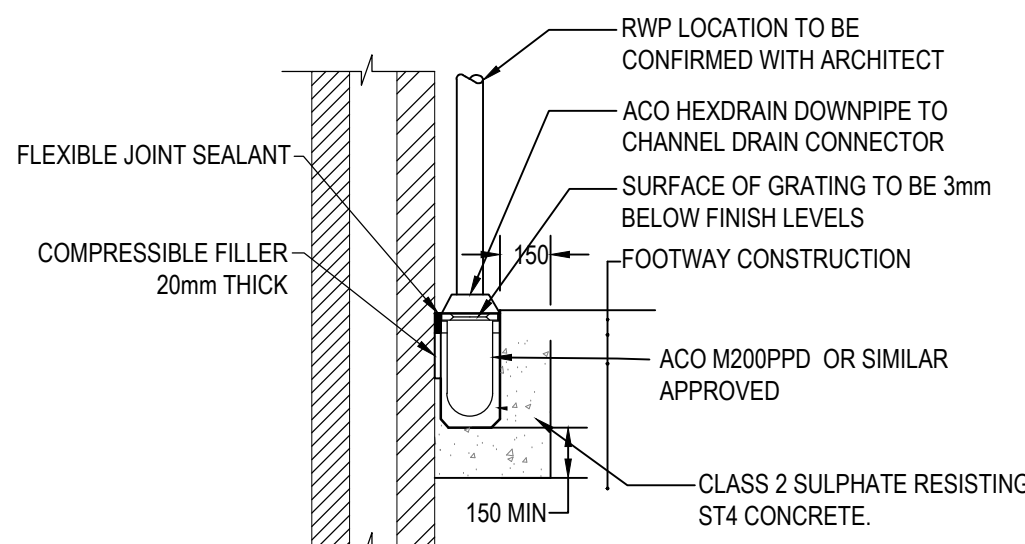


**TYPICAL UPVC CATCHPIT
CHAMBER CONSTRUCTION**
SCALE 1:20



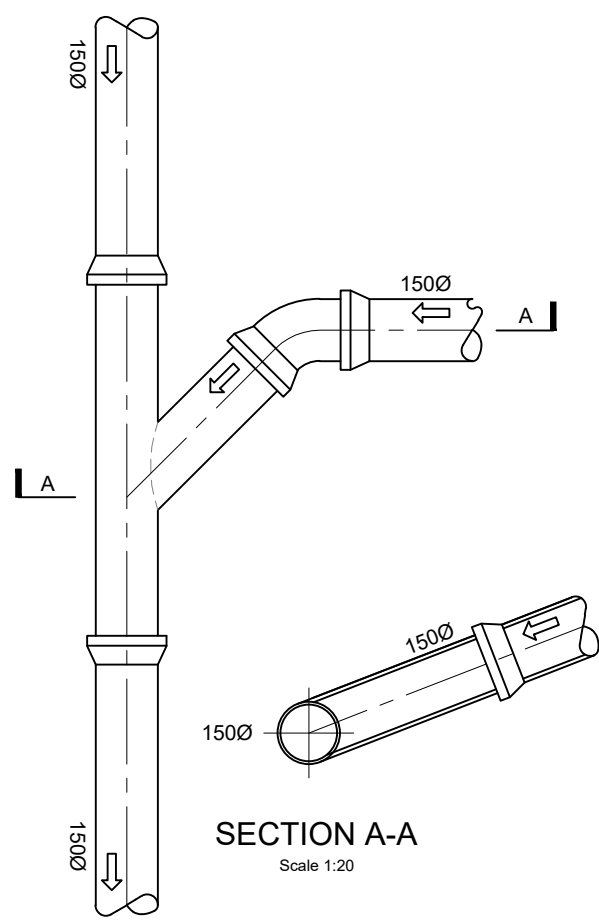
TYPICAL MANHOLE DETAIL TYPE 2 - 1200Ø

(REFER TO FIG. B.12 OF SEWERS FOR ADOPTION 7th ED)
(MAXIMUM DEPTH FROM COVER TO SOFFIT LEVEL OF PIPE - 3.0m)
SCALE 1:20

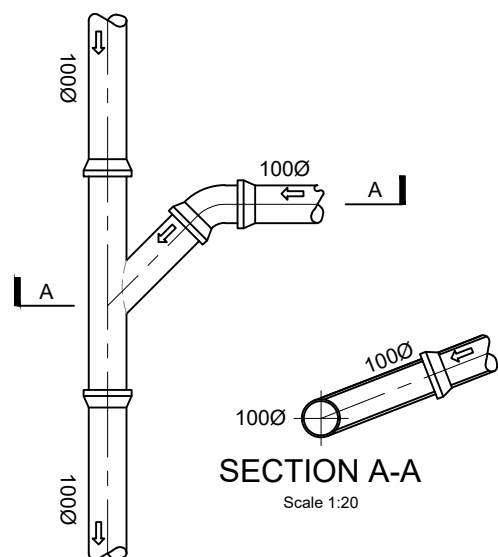


- NOTES:
- DRAINAGE CHANNELS TO BE ACO M200PPD OR SIMILAR APPROVED
 - FOUNDATION FOR CHANNELS TO BE LAID ON A ROLLED SUB-BASE OF 150mm MINIMUM THICKNESS.
 - GRATING LOAD CLASSIFICATION TO BE C250 D400
 - RWPS TO HAVE ACO HEXDRAIN CONNECTORES TO CHANNEL GRATINGS - REFER TO MANUFACTURERS GUIDELINES

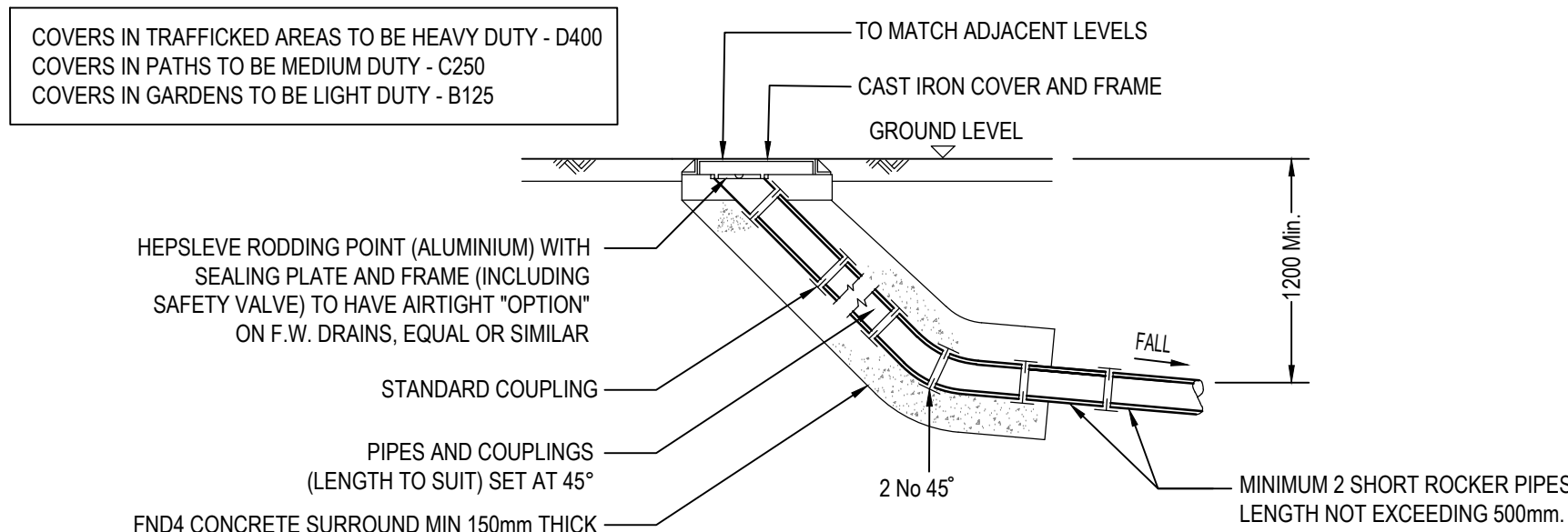
DRAINAGE CHANNEL DETAIL
SCALE NTS



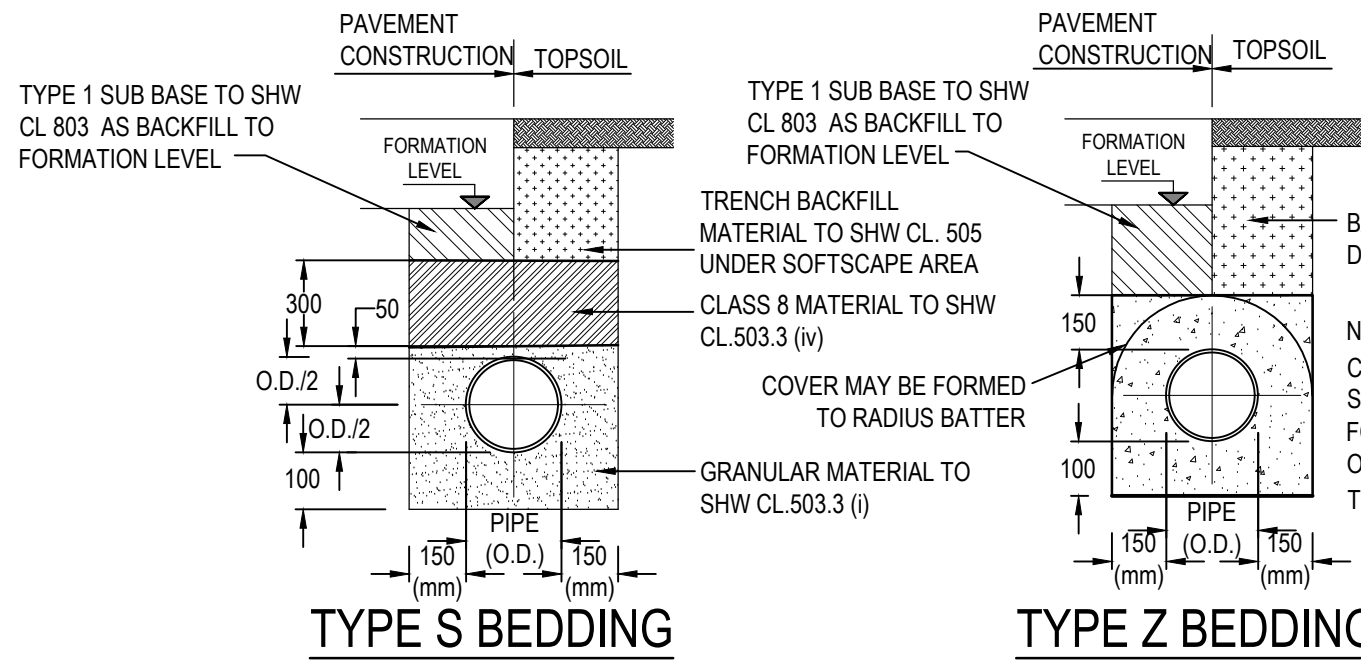
**PREFORMED 'Y' BRANCH
CONNECTION**
Scale 1:20



**PREFORMED 'Y' BRANCH
CONNECTION**
Scale 1:20



EXTERNAL RODDING EYE
SCALE 1:20



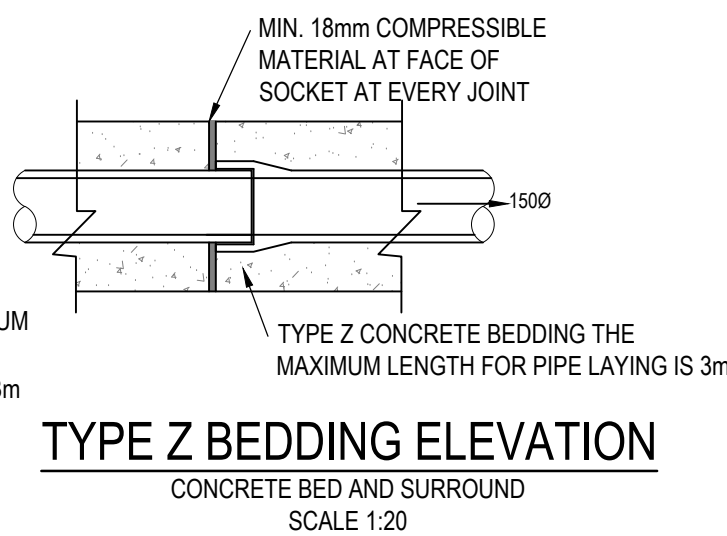
TYPE S BEDDING
GRANULAR BED AND SURROUND UNDER ROAD
(BEDDING FACTION = 2.2)
SCALE 1:20

NOTE: CLASS 'S' BEDDING FOR USE WITH ALL ADAPTABLE DRAINAGE WITH COVER TO SOFFIT OF PIPE GREATER THAN 1200mm. PRIVATE DRAINAGE WITHIN LANDSCAPED AND OTHER NON-TRAFFICKED AREAS WITH COVER GREATER THAN 1000mm TO THE PIPE SOFFIT MAY USE PIPE BEDDING CLASS 'T'

TYPE Z BEDDING
CONCRETE BED AND SURROUND
(BEDDING FACTION = 2.6)
SCALE 1:20

NOTE: CLASS 'Z' BEDDING FOR USE WITH ALL ADAPTABLE DRAINAGE WITH COVER TO SOFFIT OF PIPE LESS THAN 1200mm.

BEDDING DETAILS



TYPE Z BEDDING ELEVATION
CONCRETE BED AND SURROUND
SCALE 1:20

- BEDDING DETAIL NOTES:**
- REFER TO SHW TABLE 5/3 AND SHW TABLE 6/1
 - BEDDING BENEATH AND AT SIDES OF THE PIPE TO BE WELL COMPACTED IN ACCORDANCE WITH CL 505.
 - CONCRETE CRADLES AND ARCHES MAY BE EXTENDED TO THE SIDES OF THE TRENCH.
 - GEOTEXTILES MAY BE USED WHERE DIRECTED OR APPROVED BY THE ENGINEER TO CONTAIN BEDDING MATERIAL IN CERTAIN SOILS EG. RUNNING SAND.
 - IN VERY WET CONDITIONS, WHERE DIRECTED OR APPROVED BY THE ENGINEER A TEMPORARY LAND DRAIN MAY BE LAID WITHIN THE GRANULAR BED. (TYPE Z ONLY)
 - WHERE PIPES WITH FLEXIBLE JOINTS ARE USED, THE CONCRETE PROTECTION IS TO BE INTERRUPTED OVER ITS FULL CROSS SECTION AT INTERVALS NOT EXCEEDING 5 METRES (OR AS DIRECTED BY THE ENGINEER) BY A SHAPED FORMER OF BITUMEN IMPREGNATED MIN. 18mm COMPRESSIBLE FILLER. THESE INTERRUPTIONS SHALL COINCIDE WITH PIPE JOINTS. (SEE TABLE E5 IN SFA 7th EDITION.
 - CONCRETE TO BE FND4 WHERE FLEXIBLE PIPES ARE USED. CARE MUST BE TAKEN TO PREVENT THE PIPES FROM FLOATING.

GENERAL NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- ALL LEVELS ARE SHOWN IN METRES UNLESS NOTED OTHERWISE.
- DO NOT SCALE FROM THE DRAWING. USE FIGURED DIMENSIONS ONLY.
- ANY DISCREPANCIES TO BE REPORTED IMMEDIATELY TO THE ENGINEER.
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS, SUBCONTRACTORS AND SPECIALISTS DRAWINGS AND SPECIFICATIONS.
- EXISTING SERVICES HAVE NOT BEEN SHOWN BUT ARE PRESENT - THE CONTRACTOR IS TO LIAISE WITH ALL STATUTORY AUTHORITIES PRIOR TO THE COMMENCEMENT OF ANY WORKS.
- TEMPORARY WORKS DESIGN BY OTHERS.
- DESIGN RISK ASSESSMENTS AND METHOD STATEMENTS ARE TO BE PROVIDED TO THE PRINCIPLE CONTRACTOR PRIOR TO THE COMMENCEMENT OF ANY WORKS.

ANY WORKS ON SITE PRIOR TO PLANNING, HIGHWAY/ DRAINAGE APPROVALS BEING GRANTED TO BE UNDERTAKEN AT DEVELOPER / CONTRACTORS OWN RISK.

02	HT	PG	20.08.24	PRE-APP SAB ISSUE
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01	HT	PG	21.06.24	FIRST ISSUE
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rev.	drawn	chkd.	approved	date	description
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Client
DANTWYN (PONTARDDULAI) LTD

Project
**GLYNHIR ROAD
PONTARDDULAI
SA4 8PT**

Title
**DRAINAGE CONSTRUCTION DETAILS
SHEET 1**



date	drawn	checked	approved
11.06.24	RM	PG	

scale @ A1	project no.
1:500	18649

status	drg. no.	rev.
P	18649/510	01