

225mm THICK ST 2 CONCRETE PLINTH TO SUPPORT COVER AND FINISH

DOT TYPE 1 SUB BASE MATERIAL OR CONCRETE SURROUND

JOINTS BETWEEN BASE AND SHAFT AND BETWEEN SHAFT COMPONENTS TO BE FITTED WITH WATER TIGHT SEALS

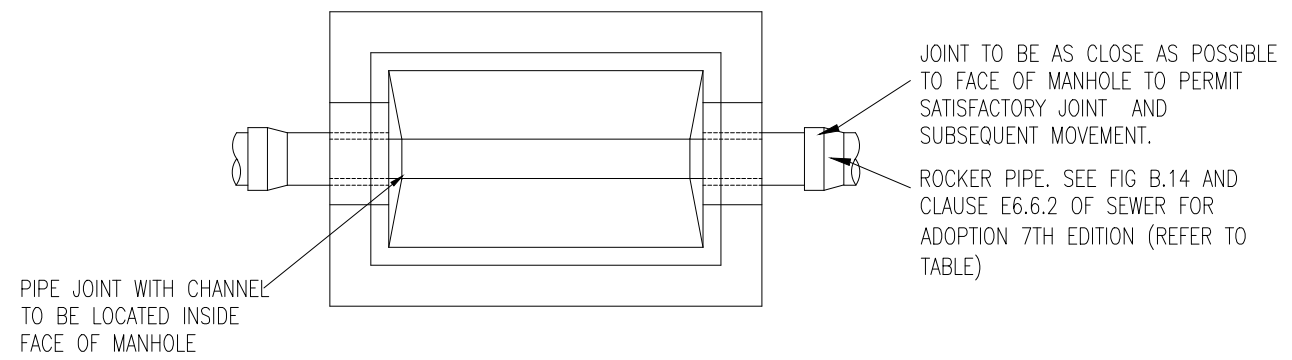
GRANULAR BEDDING

CLASS B ENGINEERING BRICK, CONCRETE BLOCKS OR PRECAST CONCRETE COVER FRAME SEATING RINGS

450mm DIA. (OR 450x450mm) POLYPROPYLENE INSPECTION CHAMBER

JOINT TO BE AS CLOSE AS POSSIBLE TO FACE OF MANHOLE TO PERMIT SATISFACTORY JOINT AND SUBSEQUENT MOVEMENT.

Depth from ground level to soffit of pipe Max. 3.0m for areas subject to vehicle loading, Non-entry



Depth from ground level to soffit of pipe Max. 3.0m for areas not subject to vehicle loading or areas subject to light vehicle loading, non-entry

NOMINAL DIAMETER (mm)	ROCKER PIPE EFFECTIVE LENGTH (m)
150 – 600	0.60
601 – 750	1.00
OVER 750	1.25

MIN. 900mm COVER

150 MIN

300

EXCAVATED BACKFILL

GEN 3 CONCRETE SLAB

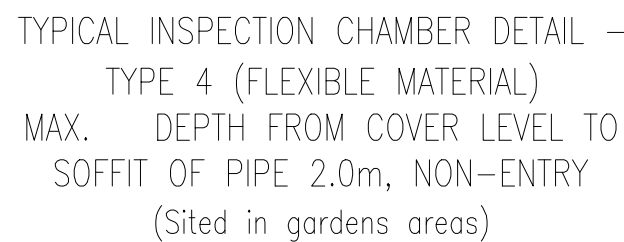
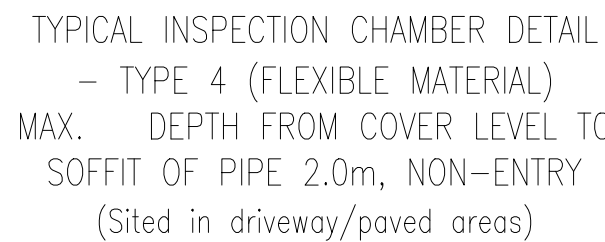
GRANULAR BEDDING MATERIAL

X

150 MIN 150* MIN

150* MIN 150 MIN

CONCRETE SLAB
PROTECTION
REINFORCEMENT IN SLAB TO SUIT LOADING CONDITION
TYPICAL PIPE BEDDING FOR PIPES UP TO 800mm DIA
SCALE 1:10



BACKFILL TO CLAUSE 505 OF DTP SPECIFICATION

TO NOTE 2 BELOW

300mm REFER

150mm (min)

O.D./2 (150 MIN)

150 (min) PIPE (O.D.) 150 (min)

MAR REF

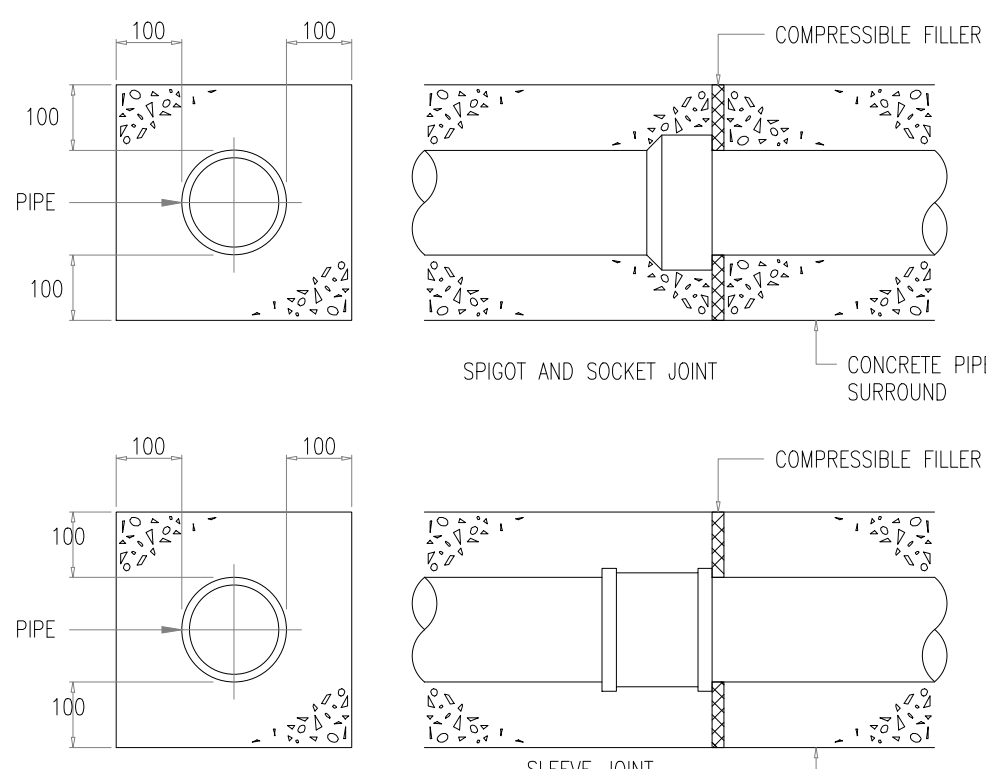
GR BE

NOTES:

- NOTES:
1. BEDDING BENEATH AND AT THE SIDES OF THE PIPE TO BE WELL COMPACTED
 2. THE FIRST 300mm OF FILL ABOVE THE CROWN OF THE PIPE IS TO BE LIGHTLY TAMPED BY HAND
 3. MECHANICAL COMPACTMAY BE USED ONLY ABOVE THIS LEVEL.
 4. GEOTEXTILES MAY BE USED WHERE DIRECTED OR APPROVED BY THE ENGINEER TO CONTAIN BEDDING MATERIAL IN CERTAIN SOILS e.g. RUNNING SAND
 5. IN VERY WET CONDITIONS, WHERE DIRECTED OR APPROVED BY THE ENGINEER A TEMPORARY LAND DRAIN MAY BE LAID WITHIN THE GRANULAR BED.



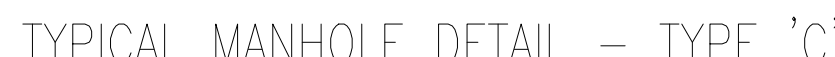
FIGURE B.24
CONNECTIONS TO SEWER



JOINTS FOR CONCRETE INCASED PIPES



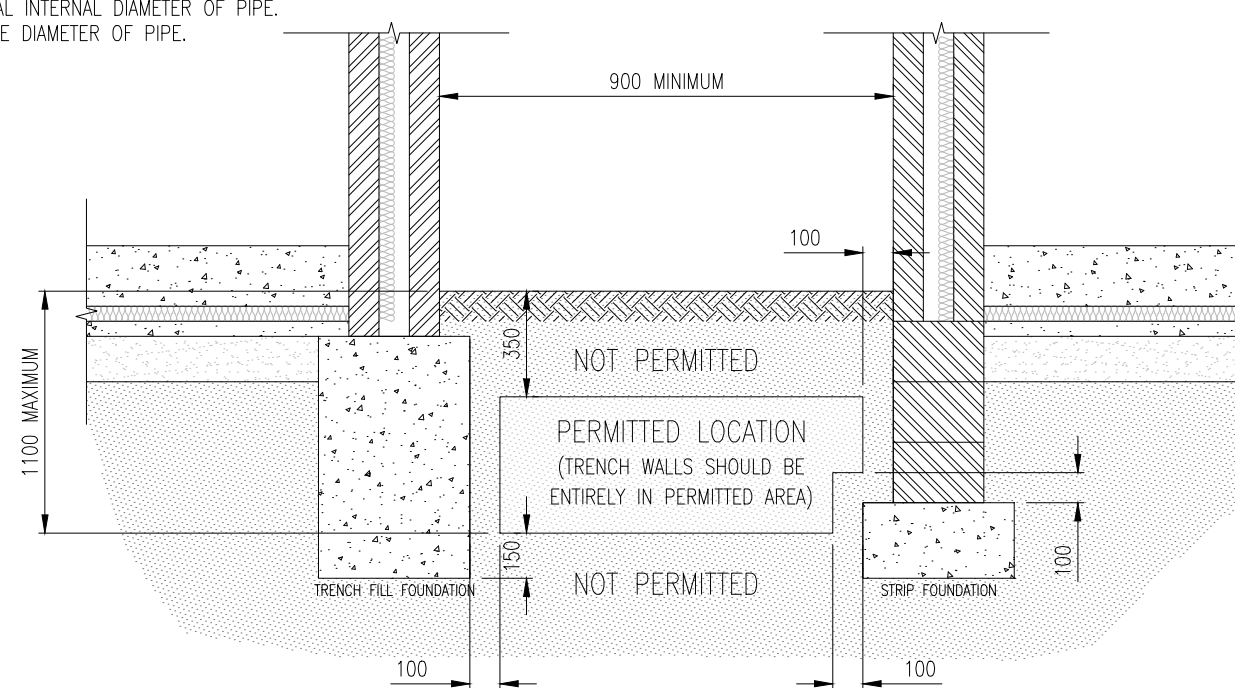
TYPICAL INSPECTION CHAMBER DETAIL - TYPE 4
(RIGID MATERIAL)



DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 1.0m TO 1.5m
SCALE 1:25



DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 1.0m TO 1.5m
SCALE 1:25



1. ALL WORKS FOR ADOPTION UNDER A SECTION 104 AGREEMENT SHALL BE CARRIED OUT TO THE NATIONAL WATER COUNCIL GUIDE "SEWERAGE AND WASTEWATER" 7TH EDITION, THE REQUIREMENTS OF WELSH WATER AS THE STATUTORY SEWERAGE UNDERTAKER AND THE CIVIL ENGINEERING REGULATION OF THE WATER INDUSTRY (CESWI) 7TH EDITION AND DCWW AMENDMENTS TO CESWI
2. A SECTION 106 APPLICATION TO CONNECT MUST BE MADE TO DCWW, THE DEVELOPER MUST GIVE 21 DAYS NOTICE PRIOR TO CONNECTION, THE WORKS MAY ONLY BE UNDERTAKEN BY A DCWW HEALTH & SAFETY APPROVED CONTRACTOR
3. AN ACCREDITED CONTRACTOR BY THE BRITISH PLASTICS FEDERATION WILL BE USED TO LAY ANY ADOPTABLE PLASTICS PIPES, A COPY OF THE ACCREDITATION CERTIFICATE TO BE SUPPLIED TO DCWW BEFORE ANY WORK IS TO BE COMPLETED COMMENCES ON SITE.
4. PLASTIC PIPE SYSTEMS APPROVED BY DCWW ARE AS FOLLOWS
 4.1. ASMA ULTRABIS SYSTEM
 MARLEY TWINWALL SYSTEM
 UPONER ULTRABIS SYSTEM
 POLYSEWER TWINWALL SYSTEM
 PLAIN PIPE RIGISEWER (400-600mm AND 750-900mm)
5. THE INSTALLER MUST BE ACCREDITED WITH THE BRITISH PLASTICS FEDERATION (BPF)

1. DO NOT SCALE
2. THE CONTRACTOR IS TO CHECK AND VERIFY ALL BUILDINGS AND SITE DIMENSIONS AND LEVELS, INCLUDING SINKER INVERT LEVELS, BEFORE WORKS START ON SITE. THE CONTRACTOR IS TO COMPLY IN ALL ASPECTS WITH THE CURRENT BUILDING LEGISLATION, BRITISH STANDARDS, BUILDING REGULATIONS ETC.
3. POSITIONS OF EXISTING SERVICES/STATUTORY UNDERTAKERS APPARATUS ADJACENT TO OR CROSSING PROPOSED WORKS ARE TO BE CHECKED BY THE CONTRACTOR PRIOR TO STARTING WORK
4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH AND CHECKED AGAINST ALL OTHER DRAWINGS, ENGINEERING DETAILS SPECIFICATION AND ANY STRUCTURAL, GEOTECHNICAL OR OTHER SPECIALIST DOCUMENT PROVIDED.
5. ANY CONTRADICTION OR CONTRADICTION BETWEEN ANY OF THE ABOVE IS TO BE REPORTED TO COASTAL HOUSING GROUP.
6. THIS DRAWING IS SCHEMATIC FOR CLARITY OF USE, POSITIONS OF PIPE RUNS AND MANHOLELAYS MAY VARY ON SITE DUE TO SITE CONDITIONS.

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PROJECT

Coastal Housing
Harvey Crescent
Aberavon, Port Talbot

DRAWING TITLE:

Section 104 Construction Detail

DRAWN:	CHK:	STATUS:	SCALE:
TOR	SJD	Approval	NTS @ A1
DATE:	JOB NO.	DRG. NO.	REV.
Aug 2022	2336	101	A