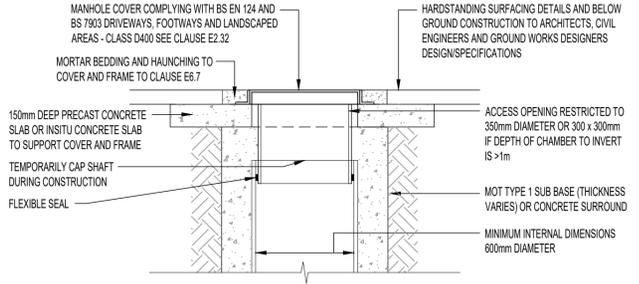
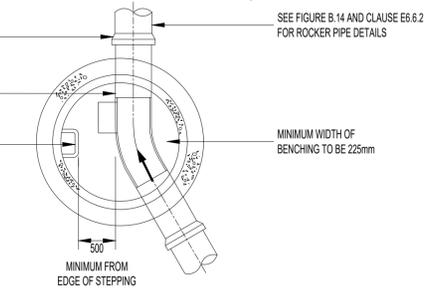
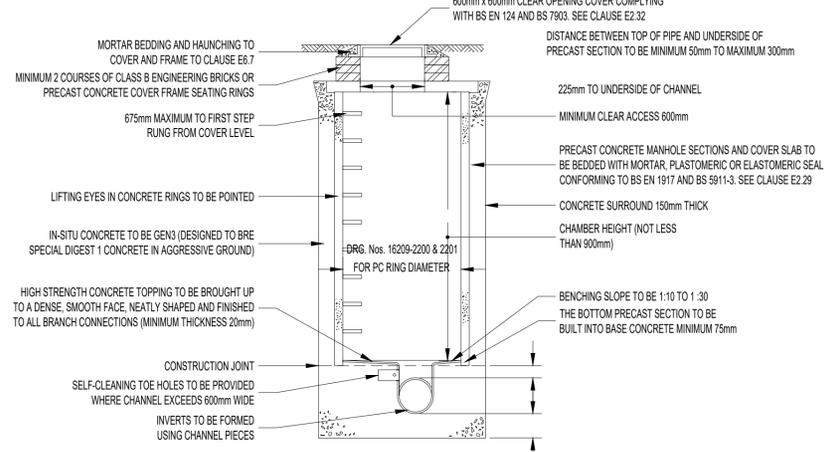


**TYPICAL INSPECTION CHAMBER DETAIL**  
**MAX. DEPTH (GROUND LEVEL TO SOFFIT OF PIPE) 3.0m NON-ENTRY**  
**(FLEXIBLE MATERIAL DETAIL)**  
 SCALE 1:25

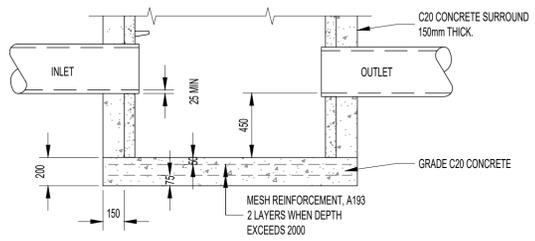
NOTE: PLASTIC CHAMBERS AND RINGS SHALL COMPLY WITH BS EN 13598-1 AND BS EN 13598-2 OR HAVE EQUIVALENT INDEPENDENT APPROVAL



**SITED IN HARDSTANDING AREA**  
 SCALE 1:25



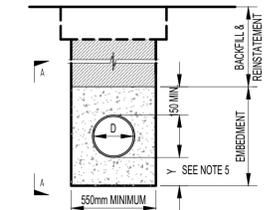
**FIGURE B.12**  
**TYPICAL MANHOLE DETAIL - TYPE 2**  
 MAXIMUM DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 3.0m



**CATCHPIT BASE**

- BEDDING CLASS 3 NOTES:**
- KEY TO MATERIALS:
    - SELECTED EXCAVATED MATERIAL OR GSB 1
    - GEN 3 (MIN GRADE) CONCRETE PLACED IN ONE OPERATION
    - PROCESSED GRANULAR MATERIAL TO BS EN 12620 (SEE TABLE BELOW FOR REQUIREMENTS)
  - GENERALLY BACKFILL MATERIAL TO BE OBTAINED FROM SELECTED EXCAVATED MATERIAL WHERE POSSIBLE. ADDITIONAL MATERIAL TO MAKE UP ANY DEFICIENCY TO BE IMPORTED. THIS MATERIAL TO BE GRANULAR SUB-BASE TYPE 1 UNLESS OTHERWISE STATED. ONLY GRANULAR SUB-BASE TYPE 1 MATERIAL TO BE USED IN LOCATIONS OF CAR PARK, GRASS VERGE AND ROAD.
  - JOINT HOLES TO BE PROVIDED IN PIPE BED TO ENSURE THAT PIPE RESTS ON ITS BARREL.
  - MINIMUM DEPTH 'Y' OF BED TO PIPE BARREL TO BE 100mm FOR PIPES UP TO AND INCLUDING 100mm DIA. NB, 150mm FOR PIPES GREATER THAN 100mm DIA. NB, AND 200mm FOR TRENCHES IN ROCK.
  - IN WET SOILS GRANULAR MATERIAL TO BE SURROUNDED BY FILTER FABRIC.

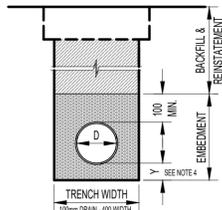
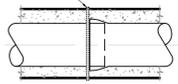
EMBEDMENT	
D	NOMINAL SIZE OF GRANULAR MATERIAL (mm)
UP TO 150mm	10/14 SINGLE SIZE OR 14>5 GRADED
150 TO 550mm	10/14/20 SINGLE SIZE OR 14>5 OR 20>5 GRADED
GREATER THAN 550mm	10/14/20/40 SINGLE SIZE OR 14>5 OR 20>5 OR 40>5 GRADED



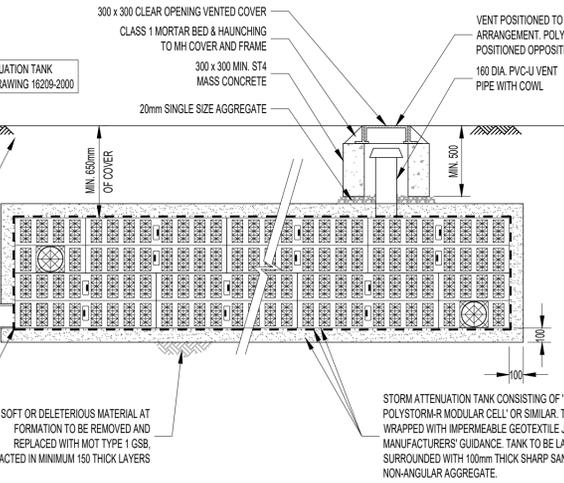
**BEDDING CLASS Z**  
**(CONCRETE SURROUND)**  
 NOT TO SCALE

D	THICKNESS OF COMPRESSIBLE FILLER (mm)
LESS THAN 450mm	18mm
450 - 1200mm	36mm

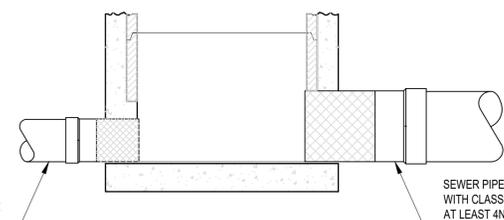
COMPRESSIBLE FILLER FOR INTERRUPTING CONCRETE PROTECTION TO PIPES SHALL CONSIST OF BITUMEN-IMPREGNATED INSULATING BOARD TO BS EN 622-1 AND BS EN 622-4 (INTERVALS NOT TO EXCEED 8M)



**BEDDING CLASS S**  
 NOT TO SCALE



**TYPICAL GEOCELLULAR STORAGE DETAIL**  
 SCALE 1:25

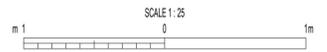


**PIPE ABANDONMENT**  
 NOT TO SCALE

NOMINAL DIAMETER (mm)	MAXIMUM EFFECTIVE LENGTH (m)
150 - 600	0.6
601 - 750	1.00
OVER 750	1.25

ALL PIPES ENTERING THE BOTTOM OF THE MANHOLE TO HAVE SOFFITS LEVEL

**FIGURE B.14**  
**TYPICAL ARRANGEMENT OF PIPE JUNCTIONS WITHIN MANHOLES**



- NOTES**
- ALL DIMENSIONS IN MILLIMETRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS SHOWN OTHERWISE.
  - THIS DESIGN IS PROPOSED ON THE BASIS OF CLIENT BRIEF, SPECIFICATIONS, BEST PRACTICE AND RISK REDUCTION / ELIMINATION. THE DESIGNER MUST BE CONSULTED ON ANY PROPOSED CHANGES, BEFORE THEY ARE CONSIDERED FOR IMPLEMENTATION.
  - ALL PVC-U PIPEWORK MUST BE MANUFACTURED IN ACCORDANCE WITH BS EN 13476. MINIMUM STIFFNESS CLASS 8.
  - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH 16209-2000, 16209-2001, 16209-2200, 16209-2201
  - ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH CESWI8 (CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY (8TH EDITION)).

REV	DATE	DESCRIPTION	ORG	CHK	APP
T02	14/01/2026	CATCHPIT BASE DETAIL ADDED	CF	TI	MW
T01	12/06/2025	FIRST ISSUE	CF	TI	MW

CLIENT

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SCHEME

**CENTRE 27 BUSINESS PARK, BIRSTALL**

TITLE

**TYPICAL DETAILS**

ORIGINATOR	CHECKER	APPROVER
C. FREEMAN	T. INMAN	M. WELLINGTON
STATUS		
TENDER		
SCALE / SHEET SIZE	REV	
1:25 / A1	T02	
DRAWING NUMBER		
16209-2400		