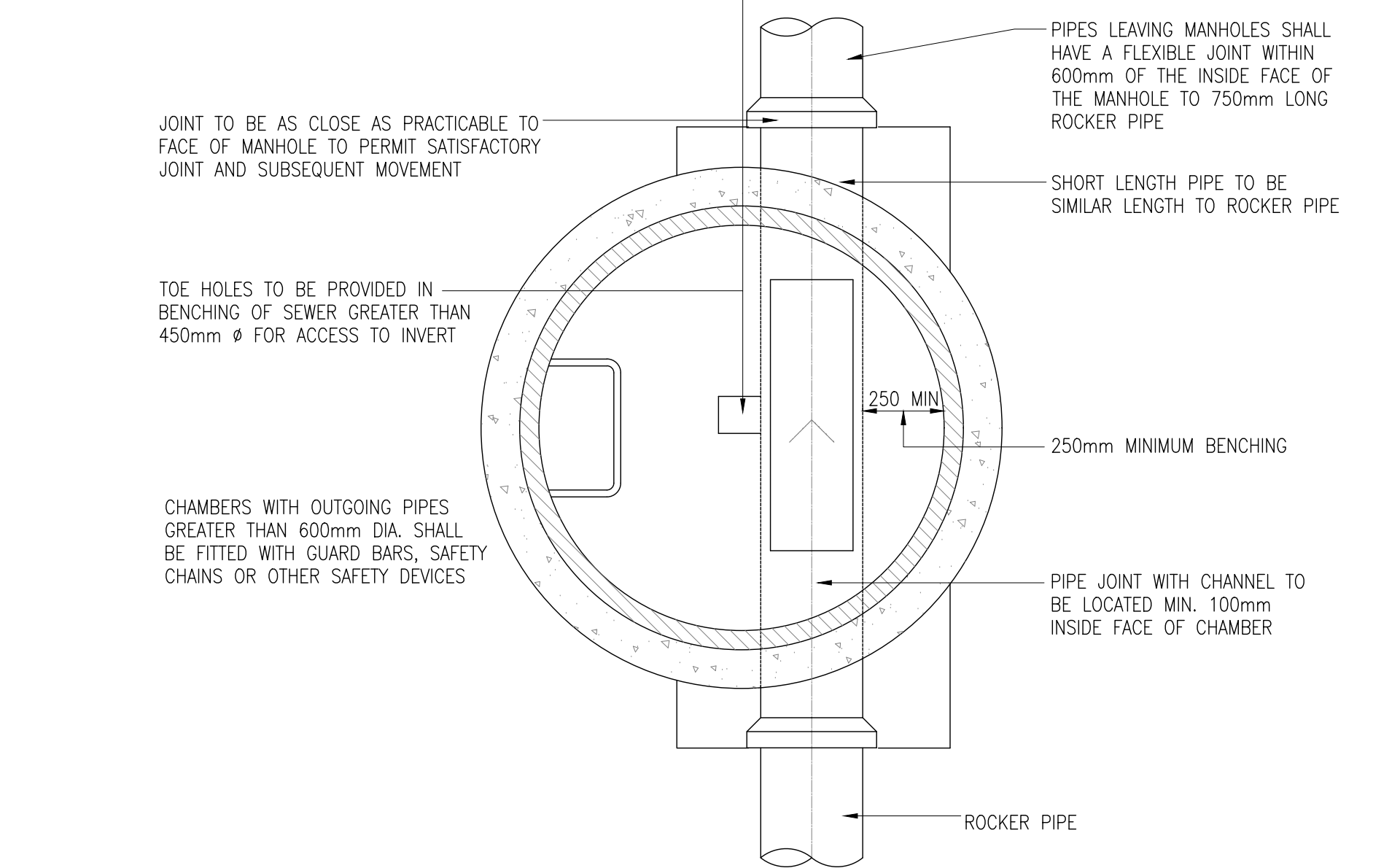




COMPRESSIBLE JOINT FILLER 18mm THICK

150 <375 150

150

150

FOR PIPES DIAMETER 375mm OR LESS

150 >375 150

FOR PIPES DIAMETER EXCEEDING 375mm

RODDING POINT WITH SEALING PLATE AND SAFETY VALVE

SAFETY VALVE

COUPLING

C20/150 CONCRETE SURROUND

DESIGNER TO SPECIFY - 300mm MIN

DOWNPIPE UP TO 110mmø

CEMENT MORTAR JOINT

ACCESS GULLY WITH INTEGRAL VERTICAL BACK INLET

PLASTIC STOPPER

150mm CONCRETE SURROUND

POLYPROPYLENE COUPLING

COVER & FRAME TO BE CLASS D400 TO BS EN 124 ON CLASS M1 MORTAR BED & HAUNCH WITH MIN CLEAR OPENING (SEE TABLE)

OPENING IN COVER SLAB (SEE TABLE)

1-3 SECTIONS OF COVER FRAME SEATING RINGS BEDDED IN CLASS M1 MORTAR

DOUBLE STEP

150

75 MIN

PCC SHAFT, CHAMBER SECTIONS & COVER SLAB TO BE BEDDED WITH CLASS M1 MORTAR

100

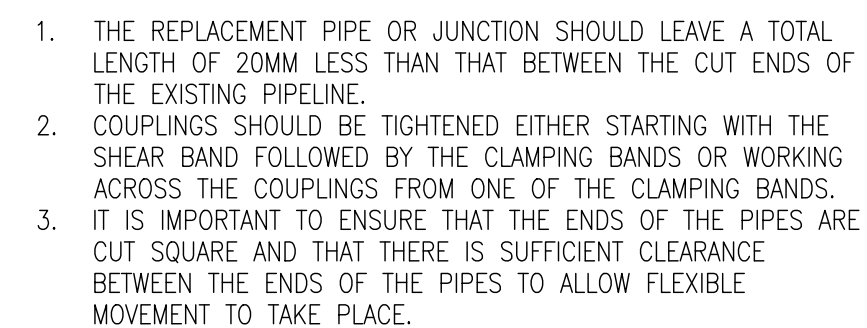
INVERTS FORMED GENERALLY USING CHANNEL PIPES

GEN3 CONCRETE

225 TO BARREL OF PCC

CONSTRUCTION JOINT

(MAX. DEPTH FROM GROUND LEVEL TO SOFFIT OF PIPE <1.5m)



DRAINAGE CHANNEL GRATING
APPROXIMATELY 5mm BELOW
FINISHED CAR PARK LEVEL

5

CAR PARK
SURFACING

Figure 10.1 consists of two cross-sectional diagrams illustrating the details of a concrete fill trench adjacent to a building foundation.

Top Diagram: This diagram shows a trench where the distance 'A' from the building foundation to the trench edge is less than 1 metre. The trench is filled with concrete. Labels include:

- OUTLINE OF BUILDING
- GROUND LEVEL
- UNDERSIDE OF FOUNDATION
- TYPE 1 SUB-BASE (UNDER CARRIAGEWAY ELSEWHERE USE SUITABLE FILL MATERIAL)
- WHERE 'A' IS LESS THAN 1 METRE CONCRETE FILL TRENCH TO THIS LEVEL

Bottom Diagram: This diagram shows a trench where the distance 'A' from the building foundation to the trench edge is 150mm or more. The trench is filled with concrete. Labels include:

- OUTLINE OF BUILDING
- GROUND LEVEL
- UNDERSIDE OF FOUNDATION
- TYPE 1 SUB-BASE (UNDER CARRIAGEWAY ELSEWHERE USE SUITABLE FILL MATERIAL)
- WHERE 'A' IS 150mm OR MORE CONCRETE FILL TRENCH TO THIS LEVEL

1. SETTING OUT SHALL BE UNDERTAKEN USING ONLY THE INFORMATION GIVEN. DISTANCES SHOULD NOT BE SCALED FROM THIS DRAWING.
2. ALL SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SEWERS FOR ADOPTION 7TH EDITION AND UNITED UTILITIES DETAILS & GUIDELINES.
3. THE MINIMUM GRAVITY PIPE DIAMETER UNDER ADOPTABLE HIGHWAYS SHALL BE 150mm
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION GIVEN WITH REGARDS TO EXISTING SERVICES AND DRAINAGE CONNECTIONS ETC. PRIOR TO COMMENCING THE WORKS. THE RATES SHALL INCLUDE FOR HAND DIG AROUND SERVICES WHERE NECESSARY. THE CONTRACTOR SHALL ADHERE TO THE CDM REGULATIONS AT ALL TIMES
5. THE OUTSIDES OF ALL SEWERS SHALL BE A MINIMUM OF 1.0m FROM KERB LINES AND THE OUTSIDE OF MANHOLES SHALL BE A MINIMUM OF 0.5m FROM KERB LINES
6. EXISTING FLOWS IN WATERCOURSES, SEWERS AND LAND DRAINS SHALL BE MAINTAINED AT ALL TIMES
7. ONLY TRAINED PERSONNEL SHALL BE PERMITTED TO ENTER CONFINED SPACES
8. ALL MATERIALS TO BEAR THE RELEVANT B.S. KITEMARK AND COMPLY FULLY WITH THE SPECIFICATIONS. ALL CONCRETE & CONCRETE PRODUCTS MUST USE SULPHATE RESISTANT CEMENT (UNLESS THE SITE INVESTIGATION REPORT PROVES THAT SULPHATE ATTACK FROM SOILS AND GROUNDWATER WILL NOT OCCUR TO WITHSTAND A CLASS
9. ALL OPENING NOTICES ETC. AS REQUIRED UNDER HIGHWAYS ACTS ETC. ARE TO BE OBTAINED PRIOR TO COMMENCEMENT OF WORKS. ALL WORKS ARE TO BE INSPECTED BY L.A., NIBC OR THE NETWORK OPERATOR AS APPLICABLE.
10. WHERE "ULTRA RIB" UPVC PIPES (OR SIMILAR APPROVED) ARE USED IN ADOPTABLE DRAINAGE THEY SHALL STILL BE HANDLED AND LAID IN ACCORDANCE WITH THE SPECIFICATION AND GUIDANCE ISSUED BY THE HIGH PERFORMANCE PIPE ASSOCIATION.
11. A CLASS S BED AND SURROUND MUST BE USED FOR SUCH PIPES. TRENCH BACKFILL IN HIGHWAYS TO WITHIN 1m OF HIGHWAY SHALL, AS DIRECTED BY THE HIGHWAY AUTHORITY BE A SUITABLE GRANULAR MATERIAL ALL IN ACCORDANCE WITH SEWERS FOR ADOPTION CL. 4.3.4.
12. SLAB LEVELS SHALL NOT BE VARIED WITHOUT REFERENCE TO THE ENGINEER FOR GUIDANCE
13. ALL GULLY CONNECTIONS TO BE 150mm VITRIFIED CLAY UNLESS NOTED OTHERWISE
14. ALL MANHOLE COVERS TO BE RECESSED TO ACCEPT FINISH AS DETAILED BY LANDSCAPE ARCHITECT
15. SLOW REST BENDS TO BE USED IN ALL LOCATIONS MADE UP FROM 2No. 45 DEG BENDS (600mm TO INVERT FROM FFL)
16. MANHOLE POSITIONS AND ACCESS COVERS TO BE ACCURATELY SET-OUT BY LANDSCAPE ARCHITECT TO SUIT EXTERNAL FINISHES
17. ALL DRAINS CAST THROUGH FOUNDATIONS TO HAVE ROCKER PIPES ON BOTH SIDES OF FOUNDATION
18. ALL POP UP POSITIONS TO BE CONFIRMED SET OUT DIMENSIONS TO BE AGREED & PROVIDED BY OTHERS
19. ALL DISCHARGE RATES TO BE CONFIRMED BY M&E DESIGNER
20. ALL SURFACE WATER COLLECTION FEATURES TO BE CONFIRMED BY THE LANDSCAPE ARCHITECT
21. STORAGE HAS BEEN PROVIDED IN A TUBOSIDER STORAGE TANK AND UP-SIZED MANHOLES AND PIPES.
22. EXISTING SEWER DEPTHS HAVE BEEN LAYER SURVEYS LTD SURVEYS. NEW CONNECTIONS TO BE CONFIRMED PRIOR TO CONSTRUCTION OF ANY DRAINAGE WORKS.
23. LANDSCAPE ARCHITECT TO CONFIRM GULLY AND DRAINAGE CHANNEL LOCATIONS TO LANDSCAPED AREAS.

DRAWING STATUS:											
CONSTRUCTION											
CLIENT: BURY COUNCIL											
ARCHITECT: POZZONI											
PROJECT: RADCLIFFE CIVIC HUB											
TITLE: BELOW GROUND DRAINAGE TYPICAL DRAINAGE DETAILS - SHEET 2 OF 3											
STATUS:		PROJECT No:		PROJECT	ORIGINATOR	VOUS/SYS	LEVEL	TYPE	ROLE	DRAWING No:	REV:
S2		221-145		RADHUB-AJP-ZZ-00-DR				C - 0003		C01	
SCALE @ A1: N.T.S		DESIGNED: JRS		DRAWN: JJR		CHECKED: JRS		APPROVED: DJS		DATE: SEP 2022	