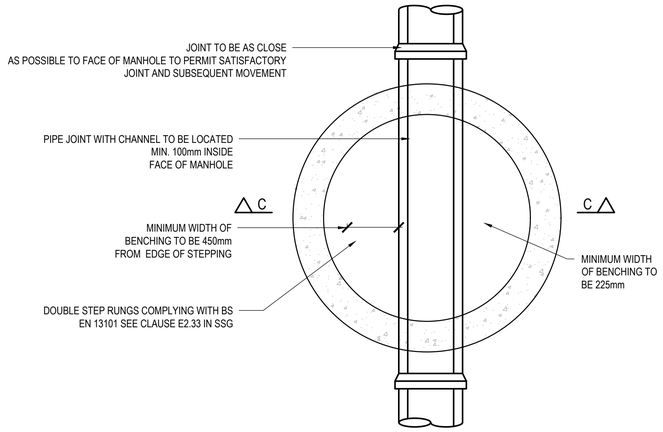
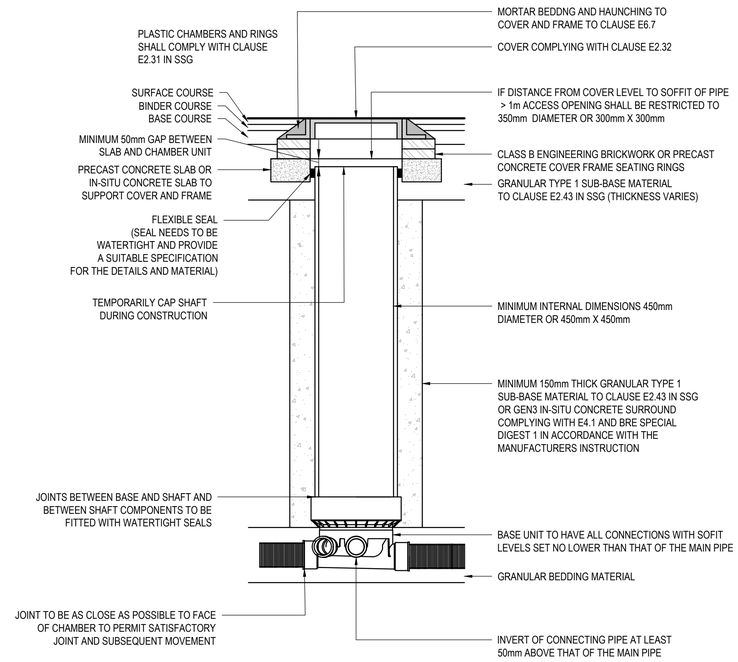


INTERNAL DIMENSIONS OF MANHOLE BENCHING NORMALLY 150mm BUT MANHOLE DIAMETER SHOULD BE INCREASED FOR PIPES LARGER THAN 450mm DIAMETER TO GIVE 225mm BENCHING IN ACCORDANCE WITH CLAUSE B5.2.29 IN SSG

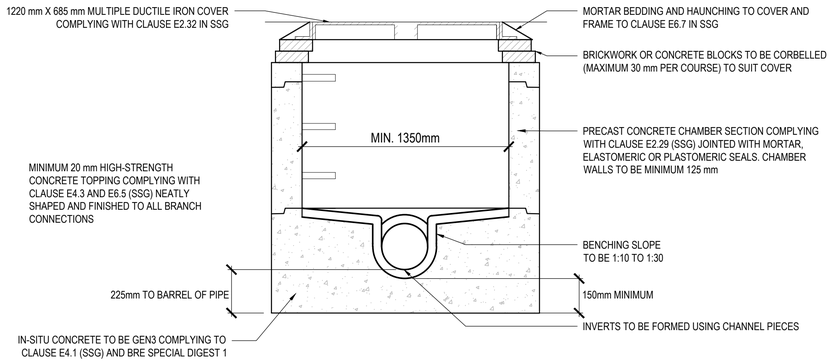
PLAN VIEW



NOTE: WHERE THE ACCESS CHAMBER IS IN THE HIGHWAY (INCLUDING ANY FOOTWAY), THE HIGHWAY AUTHORITY CAN HAVE SPECIFIC REQUIREMENTS

TYPICAL INSPECTION CHAMBER DETAIL - TYPE D
(FLEXIBLE MATERIAL DETAIL)

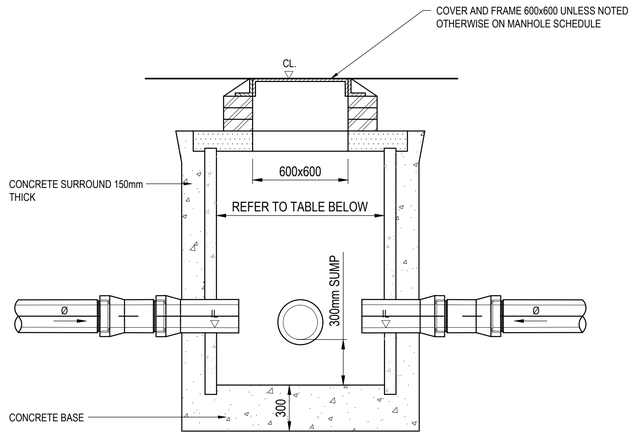
DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE UP TO 3 m
FLEXIBLE MATERIAL CONSTRUCTION FOR USE IN AREAS
SUBJECT TO VEHICLE LOADING



SECTION 'C-C'
MANHOLE DETAIL TYPE C

DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE LESS THAN 3.0m
MAXIMUM PIPE SIZE 450mm DIAMETER
NOT TO SCALE

NOTE: THE USE OF PRECAST CONCRETE CHAMBER UNITS TO CLAUSE E2.29 (SSG) WITH 150 mm GEN3 IN SITU CONCRETE COMPLYING WITH CLAUSE E4.1 (SSG) AND BRE SPECIAL DIGEST 1 IN PLACE OF BRICKWORK CONSTRUCTION IS PERMITTED



CATCHPIT MANHOLE DETAIL

NOT TO SCALE

Ø OF LARGEST PIPE IN MANHOLE (mm)	INTERNAL DIAMETER OF MANHOLE (mm)
< 375	1200
375-700	1500
750-900	1800
> 900	LIAISE WITH WATER AUTHORITY

© Buro Happold Limited or its group companies.
All Rights reserved. Buro Happold and its group companies assert (unless otherwise agreed in writing) their rights under s.77 to 89 of the Copyright, Designs and Patents Act 1988.

DO NOT SCALE THIS DRAWING.

HEALTH AND SAFETY INFORMATION

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING

CONSTRUCTION.

- WORKS WITHIN POTENTIAL CONFINED SPACE CONDITIONS
- WORKS IN PROXIMITY TO LIVE SERVICES
- WORKS INTERFACE WITH THE PUBLIC ON MILLER STREET

MAINTENANCE/CLEANING/OPERATION.

- WORKS WITHIN POTENTIAL CONFINED SPACE CONDITIONS
- WORKS IN PROXIMITY TO LIVE SERVICES
- WORKS INTERFACE WITH THE PUBLIC ON MILLER STREET

DECOMMISSIONING/DEMOLITION.

- WORKS WITHIN POTENTIAL CONFINED SPACE CONDITIONS
- WORKS IN PROXIMITY TO LIVE SERVICES
- WORKS INTERFACE WITH THE PUBLIC ON MILLER STREET

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS, DETAILS AND SPECIFICATIONS.
3. ALL DRAINAGE SHALL BE CONSTRUCTED IN ACCORDANCE WITH BS EN 752 DRAINS AND SEWERS OUTSIDE BUILDINGS, THE CURRENT LOCAL BUILDING REGULATIONS AND TO THE SATISFACTION OF THE WATER AUTHORITY / BUILDING CONTROL OR SPECIFIC REQUIREMENTS OF THE CLIENT IF APPLICABLE.
4. BURIED CONCRETE, INCLUDING PRECAST CONCRETE TO BE DESIGNED TO BRE DIGEST 1, CONCRETE IN AGGRESSIVE GROUND. SULPHATE RESISTING CEMENT SHALL BE USED UNLESS AN ALTERNATIVE IS AGREED WITH THE SUPERVISING OFFICER/ENGINEER.
5. FOR DESIGNED, DESIGNATED OR STANDARDISED PRESCRIBED CONCRETE REFER TO BS EN 206-1 AND BS 8500. THEY SHALL HAVE A 20mm NOMINAL MAXIMUM SIZE OF AGGREGATE, AND A SLUMP CLASS S2 FOR TARGET 70mm AND NO ADMIXTURES.
6. ALL PIPES SHALL BE LAID SOFFIT TO SOFFIT UNLESS STATED OTHERWISE ON THE MANHOLE SCHEDULE.
7. MANHOLES & COVER SLABS TO BS EN 1917 AND BS 5911-3. PREFORMED SWEPT CHANNELS SHALL BE USED AT JUNCTIONS AND NO BRANCH SHALL ENTER AT LESS THAN 90 DEGREES FROM THE OUTGOING SEWER.
8. MANHOLE COVERS TO BE TO BS EN 124.
9. ALL PROPRIETARY PRODUCTS ARE TO BE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS AND SPECIFICATION.

Rev	Description	Date	Iss'd	Rev'd	App'd
P02	ISSUED FOR STAGE 3+	25.08.2023	CR	DC	PT
P01	ISSUED FOR STAGE 3 COSTING	27.06.2023	CR	PT	PT

STAGE 3

Project Stage

INFORMATION

Status of Drawing

BURO HAPPOLD

3 Wellington Place
Leeds
LS1 4AP
UK

Tel: +44 (0)113 204 2200
Fax: +44 (0)870 787 4144
Email: 0052681@burohappold.com
Web: www.burohappold.com

Client *MEPC*
Architect *PLANIT-IE*
Project **ANGEL SQUARE PUBLIC REALM**
Drg Title PROPOSED DRAINAGE DETAILS SHEET 2

Job No. 0052681
Scale@A1 AS SHOWN
Drawn/Designed By. CR
Checked By. PT
Approved By. PT
Drawing No. 0052681-BHE-XX-XX-DR-C-3701
Revision P02

Saved Cared P:\0052681 HOM\Angel Square Public Realm\08 Cities - Info\01_Sheet\0052681-BHE-XX-XX-DR-C-3700_Drainage Details.dwg