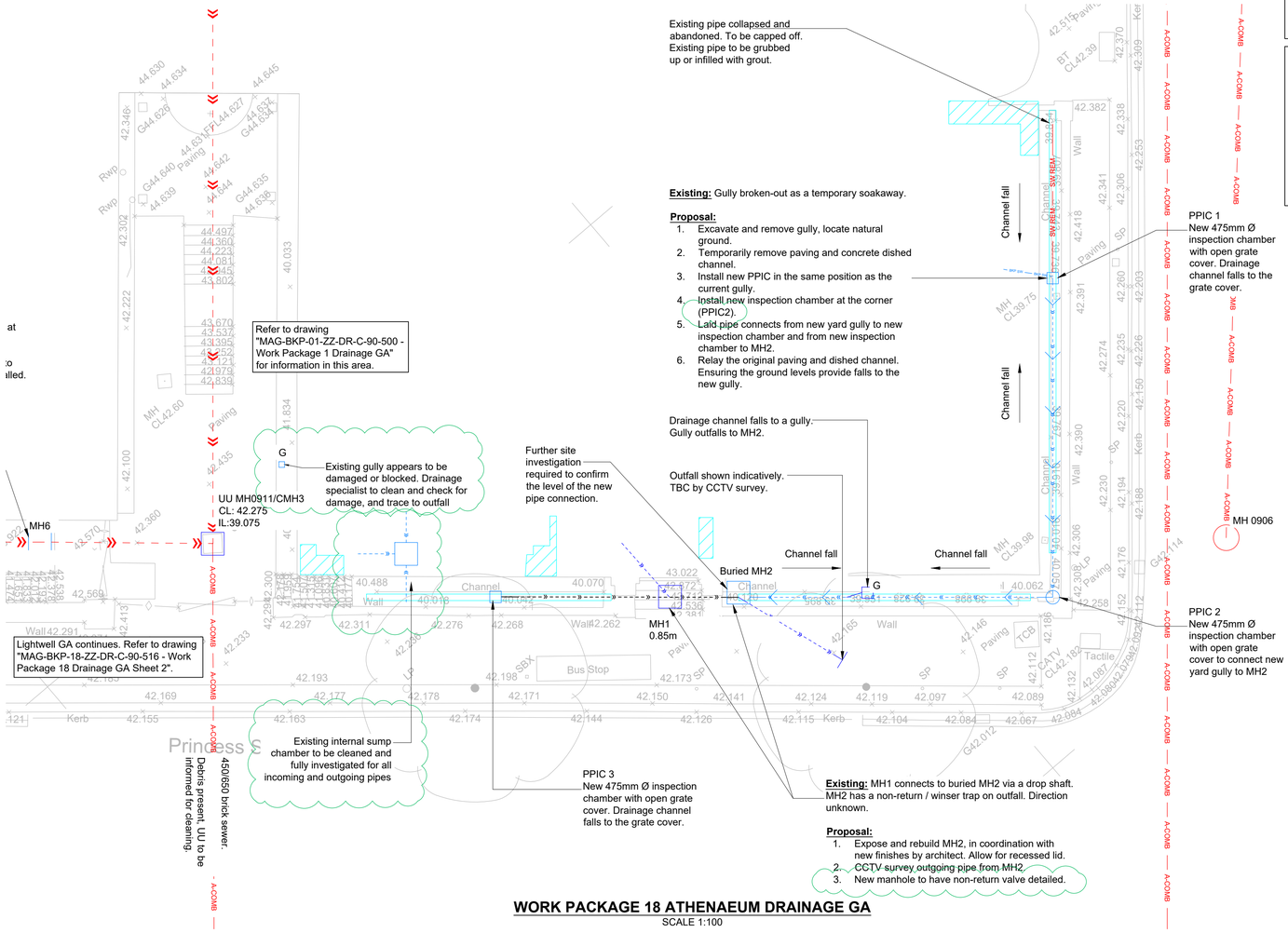
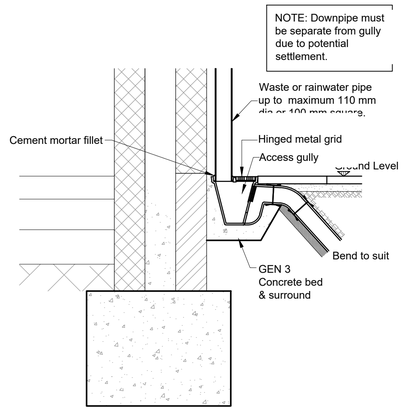



## WORK PACKAGE 18 ATHENAEUM DRAINAGE GA
SCALE 1:100

**NOTE:**
This is a live drawing and will be updated as investigations are undertaken / more information provided.

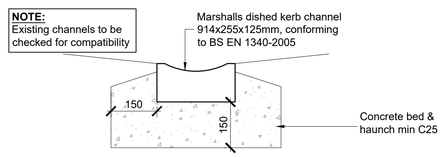
**Overall Scope Requirements:**
1. Maintain the now cleaned condition of drainage goods. Monitor fortnightly.
2. Possible hazardous/biohazardous waste around site. Appropriate PPE to be worn and caution taken.
3. Contractor to arrange release of any manhole/gully lids to allow survey.
4. CCTV survey of remaining manholes and connected gullies, traced to outfall.
5. Surveys to date demonstrate that the existing system is generally repairable and useable. This drawing scopes the areas where repairs / alterations are required.

**Note:**
All paving and external masonry joints around the building perimeter present numerous defects that suggest a root cause of some of the damp issues internally. It was also noted that some drainage goods are not positioned at low points, creating ponding. Refer to architect's details and proposals for repairs and any additional specialist waterproofing details.




## TYPICAL ACCESS GULLY DETAIL
SCALE 1:20

**NOTE:**
Existing channels to be checked for compatibility




## DISHED CHANNEL DRAINAGE DETAIL
SCALE 1:10

# NOTES

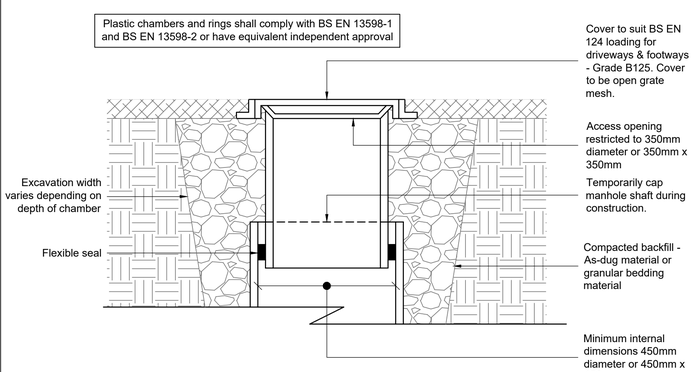
1. Do not scale from this drawing.
2. This drawing is copyright and is sent to you in confidence. It must not be copied, used or disclosed, in whole or in part, to third parties without written permission. It remains the property of Booth King Partnership Ltd. and must be returned on request.
3. This drawing is to be read in conjunction with all relevant contractual documents.
4. Anyone using this drawing must be aware of their legal duties under the CDM Regulations 2015, refer to the HSE website for further information. BKPL are not Principal Designers.
5. All dimensions shown on this drawing are in millimeters unless noted otherwise.
6. If the Contractor consider that they do not have sufficient information to safely complete the works detailed on this drawing, they should contact the Engineer.
7. All works are to be carried out in accordance with the Building Regulations (as amended) and to the approval of Building Standards.
8. Drawing to be reviewed alongside drawings for Work Packages 1, 3, 8, 9, 10,11, 14, 15, 16 & 20.
9. Refer to drawing 'MAG-BKP-XX-ZZ-DR-C-90-0550 - Multiple Work Packages Drainage Scope GA' for overall below ground drainage drawing.

# LEGEND

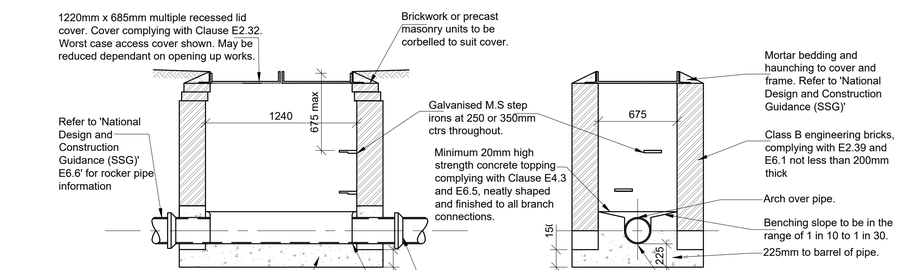
- Denotes areas subject to ongoing water penetration based on H+R investigation report.
- Denotes existing permeable areas that have been paved over.
- A-COMB — Existing UU adopted combined sewer.
- Existing combined drainage.
- Existing surface water drainage.
- Existing surface water channel features.
- Slot drain.
- UTR — Unable to remove.
- A-COMB — Denotes drawing extent, run continues. Refer to UU map for full extent.
- SW REM — Existing surface water drainage to be removed
- Proposed above ground channel by others.
- Proposed surface water drainage.
- Denotes proposed surface water manholes & gullies.
- Denotes existing surface water manholes & gullies.

CONSTRUCTION ISSUE

| REV. | DATE | REVISION DETAILS | INITIALS |
|---|---|---|---|
| C03 | 29.11.24 | Revised to suit updated WP08 design | MS |
| C02 | 23.08.24 | Updated Construction Issue | JDE |
| C01 | 10.05.24 | Construction Issue | JDE |
| P04 | 14.11.23 | WP18 Updated | JDE |
| P03 | 06.10.23 | Minor Updates To Text | JDE |
| P02 | 22.08.23 | CI/SfB Code. Proposals amended to suit site investigation an DT comments. | JDE |
| P01 | 09.08.23 | Preliminary Issue | JDE |



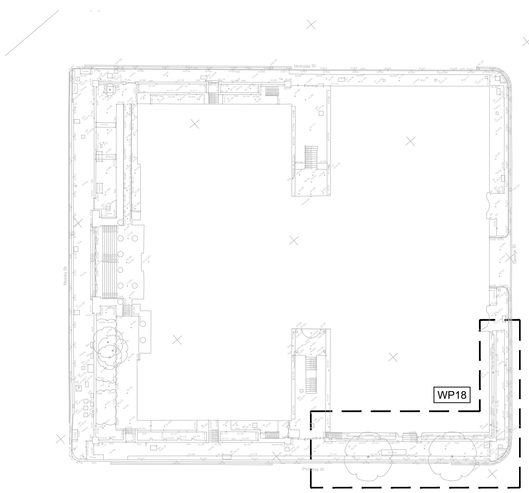

## TYPICAL PPIC DETAIL ; NO VEHICLE LOADING
SCALE 1:20




Note: The use of precast concrete chamber units to E2.29 with 150mm GEN3 in-situ concrete complying with E4.1 and BRE Special Digest 1 in place of brickwork construction is permitted.

Note: Internal dimensions of manhole normally 1240x675, but manhole width should be increased for pipes larger than 225Ø to give 225mm benching each side, with the brickwork/masonry units corbelled down to suit cover.

## TYPICAL BRICKWORK MANHOLE DETAIL - TYPE C
## DEPTH FROM GROUND LEVEL TO SOFFIT OF PIPE 1.00m TO 1.50m
SCALE 1:20




## KEY PLAN
SCALE 1:500


booth king PARTNERSHIP LIMITED
CONSULTING CIVIL & STRUCTURAL ENGINEERS
www.booth-king.co.uk office@booth-king.co.uk
MANCHESTER Tel: 0161 694 7087 | RAMSBOTTOM Tel: 01706 822 022 | EDINBURGH Tel: 0131 229 1547


PROJECT:
Manchester Art Gallery

TITLE:
Work Package 18
Drainage GA Sheet 1

| SCALE @ A1: | DRAWN: | DATE: | REVISION: | STATUS: |
|---|---|---|---|---|
| As Shown | JDE | Aug' 23 | C03 | S3 |

DRAWING No:
MAG-BKP-18-ZZ-DR-C-90-0515