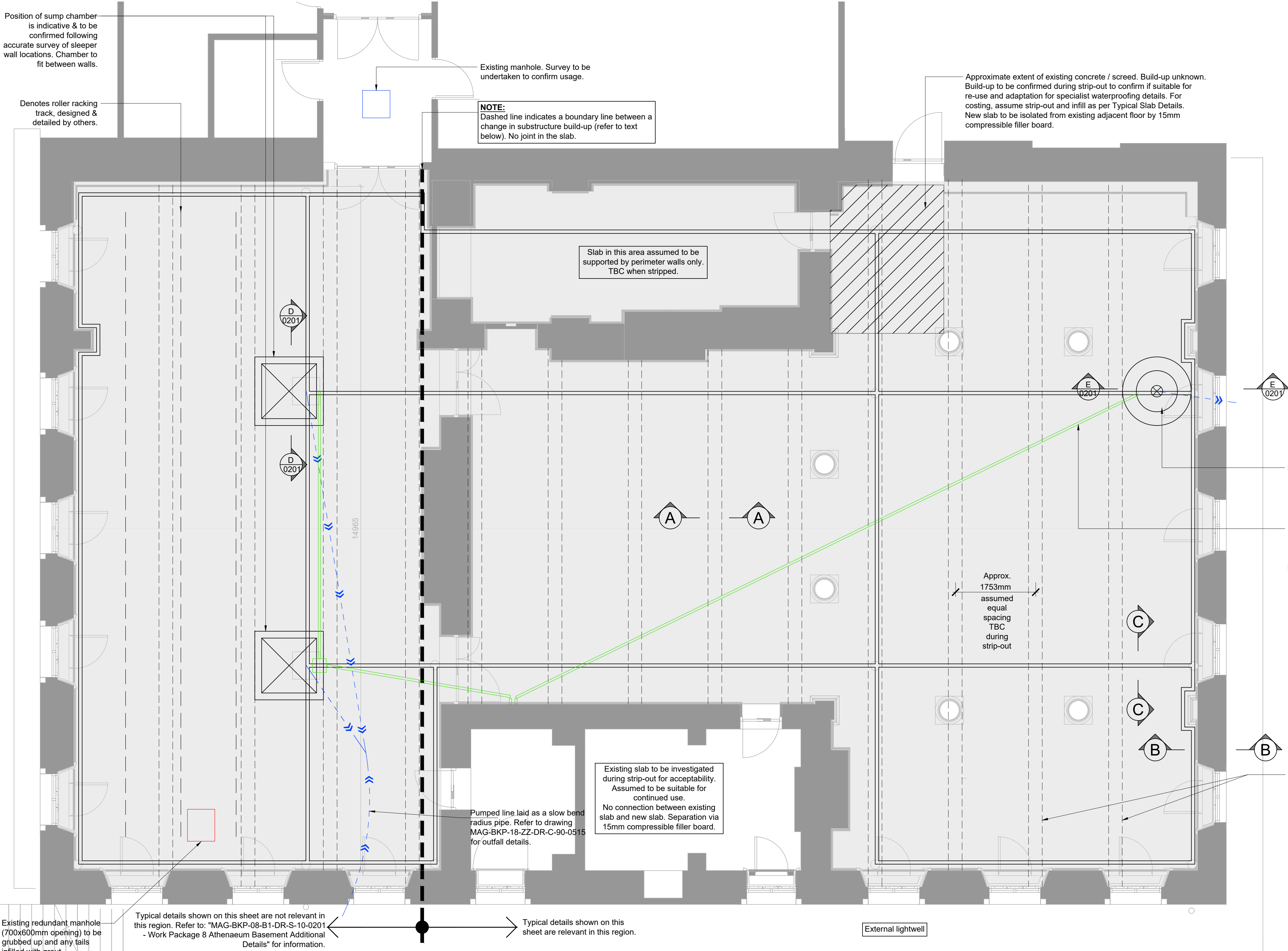




- DESIGN NOTES
1. Floor and substrate design based on overall blanket load of 5kN/m²

2. RC slab designed for local increased load of 10kN/m²

3. Scream and waterproofing designed by others to meet this requirement.
- FOUNDATION NOTES
- If existing buried services are encountered their function must be determined by investigation.

- Existing services, electric cables etc passing through structure to be relocated as required, by others.

- Formations which are to be left exposed overnight prior to concreting shall receive Grade ST3 blinding to BS5328 Part 2:1991.

- All formations to have 50mm weak mix concrete blinding as soon as possible after exposure to avoid softening disturbances.

- All concrete in contact with the ground to be suitable for use in the following conditions:

Design Sulphate Class

DS-1

Aggressive Chemical Environment

AC-1

- Max aggregate size 20mm

- All concrete to be in accordance with National Structural Concrete Specification for Building Construction.

- All foundations to be in accordance with BS EN1992, Foundations and BS EN 206, Structural use of concrete.

- Refer to Architects drawings for full waterproofing and DPM details.

- Refer to Architects drawings for details of all rebates and chamfers.

- Reinforcement allowances:

Typical slab :

100kg/m³

Additional loose bars for perimeter and channel:

50kg/m³

- 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. Refer to drawing 'MAG-BKP-08-B1-DR-S-10-0201 - Work Package 8 Proposed Athenaeum Basement Additional Details' for sump and floor void details.
- OPENING-UP WORK NOTES
1. Contractor to prepare a detailed method statement based upon the documentation and any planning / local authority requirements and submit for appraisal accordingly.

2. Any temporary support details shall be contractor design elements.

3. Existing services are unknown so not shown on the drawings. The contractor shall ensure that these are properly located and that any relevant works are fully notified and agreed by the relevant body.

4. For all waterproofing details refer to waterproofing specialist's, and Architect's, drawings, details and specification/instructions.

5. For all above ground drainage & plumbing details refer to MEP drawings, details and specification/instructions.

6. Lifting/handling materials: Contractor to make themselves aware of material sizes/weights and adopt safe lifting/handling practices as outlined in the latest HSE guidelines.

- KEY
- Denotes pumped surface water. Refer to MAG-BKP-18-77-DR-C-0515 for outfall details

1200x1200x800mm deep RC sump chamber, with 150mm thk walls & base. All RC25/30 grade.Refer to drawing 'MAG-BKP-08-B1-DR-S-10-0201 - Work Package 8 Proposed Athenaeum Basement Additional Details' for details.

Backfilled sump chamber. Refer to drawing 'MAG-BKP-08-B1-DR-S-10-0201 - Work Package 8 Proposed Athenaeum Basement Additional Details' for details.

ISSUED FOR STAGE 4 - PRELIMINARY

P07	13.05.24	Updated to design team comments and updates, notation added.	JDE
P06	03.05.24	Updated to suit latest comments	JDE
P05	19.04.24	Updated to suit latest survey & Architect drawing.	PA
P04	02.02.24	Insulation added, void area noted, columns and channels arrangement updated	JDE
P03	09.08.23	Internal Drainage Added, Slab Details To Suit	JDE
P02	25.07.23	Slab Redesign To Suit Waterproofing Advice	JDE
P01	25.05.23	Preliminary Issue	JDE
REV.	DATE	REVISION DETAILS	INITIALS

bk

boothking

PARTNERSHIP LIMITED

CONSULTING CIVIL & STRUCTURAL ENGINEERS

www.booth-king.co.uk

office@booth-king.co.uk

MANCHESTER

RAMSBOTTOM

EDINBURGH

Tel: 0161 694 7087

Tel: 01706 822 022

Tel: 0131 229 1547

PROJECT:

Manchester Art Gallery

TITLE:

Work Package 8 - Proposed Athenaeum Basement GA

SCALE @ A1: DRAWN: JDE

DATE: May '24

REVISION: P07

STATUS: S3

DRAWING No:

MAG-BKP-08-B1-DR-S-10-0200

