

## **Appendix 6 – Kings Waterfront Estates Drainage Plans**

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NOTES

1. Do not scale from this drawing.
2. This drawing is copyright and is sent to you in confidence. It must not be reproduced, stored in a retrieval system or in any way made available to the public without the written permission of the architect. If you are not the intended recipient, you must not use, copy, or disseminate this information and must inform the architect immediately.
3. This drawing is to be read in conjunction with all relevant contractual documents.
4. All works and materials to be in accordance with the requirements of BS EN 12047-1:2012 and the requirements of BS EN 12047-2:2012.
5. All materials to be in accordance with the requirements of BS EN 12047-1:2012 and the requirements of BS EN 12047-2:2012.
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All Surface water pop locations to be co-ordinated and setout by Architect.

surface water flooding may occur for certain events between the most severe 1:100 and the most severe 1:100 + 20 % climate change storms. This overflow storage volume is to be provided for the most severe 1:100 + 20 % climate change storm. Approximate overflow storage volume 98 m<sup>3</sup>. Estimated maximum flood volume required 120 m<sup>3</sup>.

ACO Qmax 350 linear drain to pick up 2811 m<sup>2</sup> along its length but with zero base flow. Qmax will be level and will have one number outlet. An ACO design has been provided which confirms this size is adequate for a 75mm rainfall intensity. Drain to be fitted with heavy duty edge. ACO Qmax access chambers to be added at the ends of each run for maintenance purposes.

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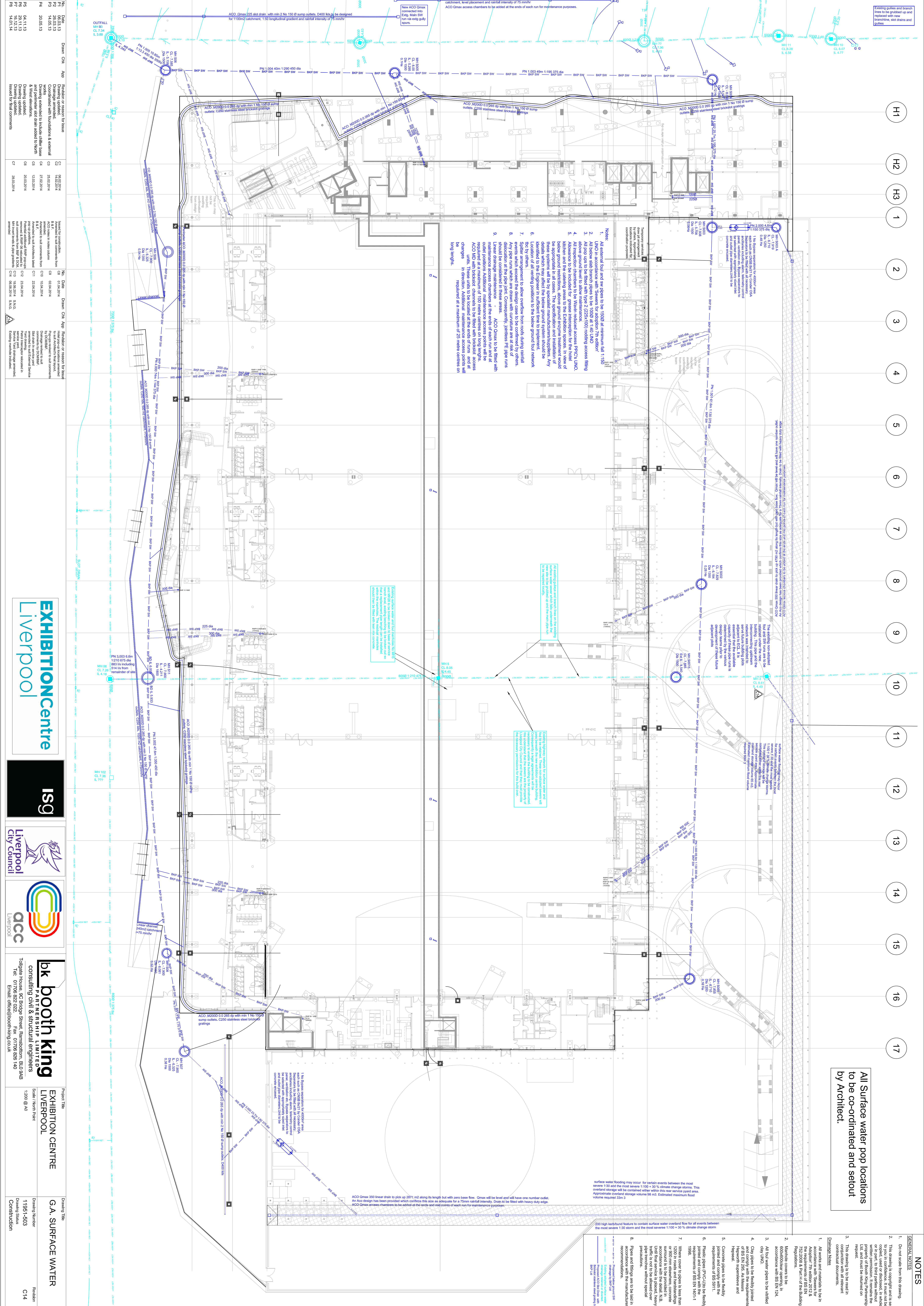
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1. All proposed full and open up to be 1500 at minimum fall 1:100.
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P1	14.01.14				Drawn
P2	26.03.13				Drawn
P3	14.05.13				Drawn
P4	20.05.13				Drawn
P5	04.11.13				Drawn
P6	26.12.13				Drawn
P7	14.01.14				Drawn
P8	14.01.14				Drawn

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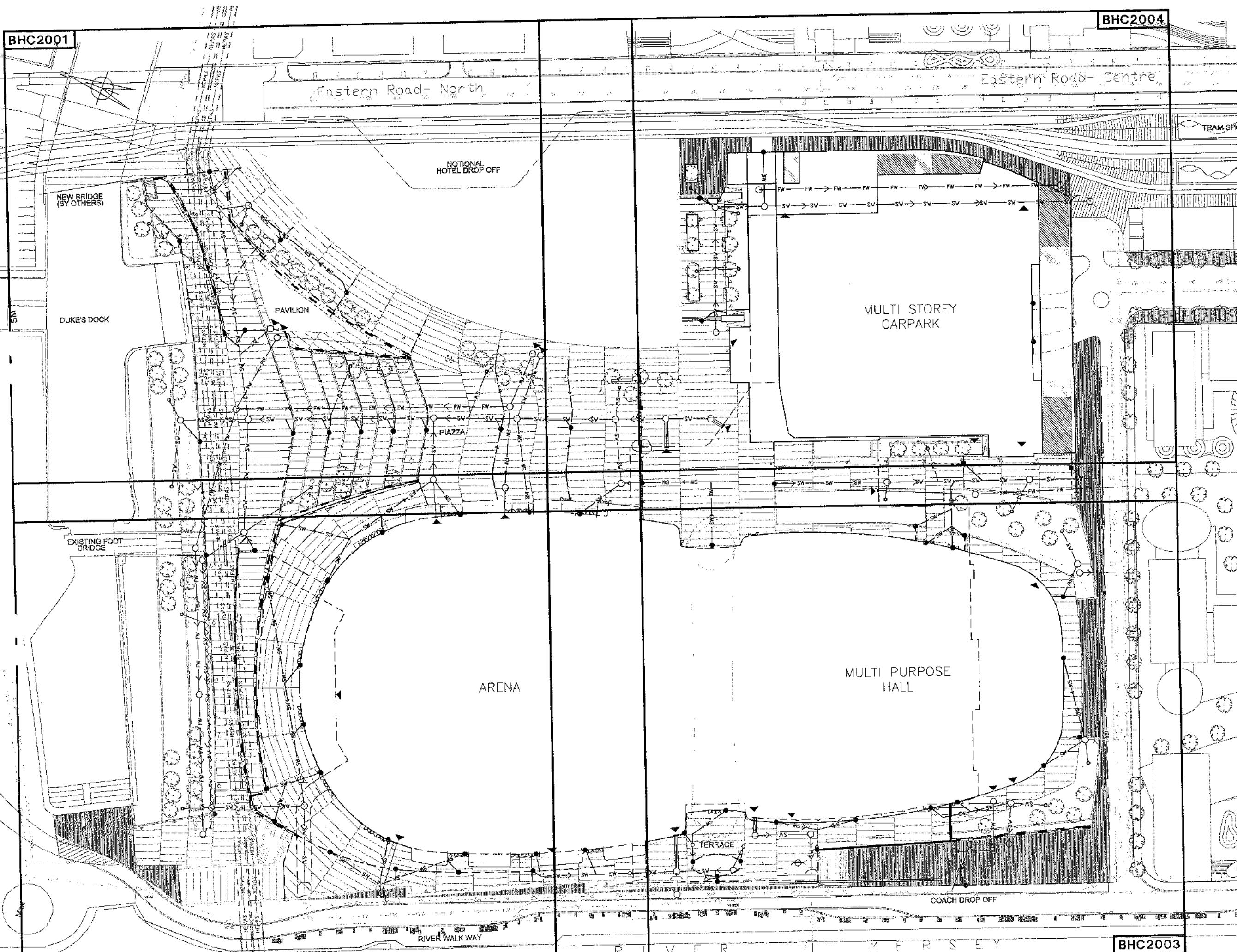
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C205	20.05.13				Drawn
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C215	20.05.13				Drawn
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C268	20.05.13				Drawn
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C281	20.05.13				Drawn
C282	20.05.13				Drawn
C283	20.05.13				Draw



BHC2001

BHC2004



DO NOT SCALE THIS DRAWING

Notes

1. DO NOT SCALE FROM THIS DRAWING.
2. REFER TO DRG BHC2020-21 FOR STANDARD DETAILS.
3. REFER TO MANHOLE SCHEDULE FOR MANHOLE AND INVERT LEVEL INFORMATION.
4. REFER TO BHC1500 AND BHC1510 FOR EXISTING DRAINAGE AND ABANDONMENT WORKS.
5. REFER TO BHC2030 FOR LINEAR DRAINAGE NETWORK DETAILS.
6. REFER TO BHC3000 SERIES DRAWINGS FOR BELOW SLAB DRAINAGE.
7. LANDSCAPE DRAINAGE BY OTHERS.
8. PROPOSED DRAINAGE CONNECTIONS AWAITING CONFIRMATION FROM MASTERPLAN AND UNITED UTILITIES APPROVAL.
9. POSITION OF DRAINAGE LINES AND MANHOLES TO BE CONFIRMED WITH LANDSCAPE ARCHITECT.
10. "MERSEY ESTUARY POLLUTION ALLEVIATION SCHEME" (MEPAS).  
WARNING: MEPAS TWIN 2700mm SEWERS LOCATED AS SHOWN. CONTRACTOR IS TO FAMILIARISE HIMSELF WITH SEWER LOCATION AND ASSOCIATED CONTROL EQUIPMENT. ALL WORK WITHIN IMMEDIATE VICINITY TO BE DISCUSSED WITH UNITED UTILITIES AND APPROVED PRIOR TO COMMENCEMENT.

## LEGEND

- PROPOSED EXTERNAL MANHOLE
- SV → SV PROPOSED SURFACE WATER
- FW → FW PROPOSED FOUL WATER
- EXISTING FOUL RISING MAIN
- ▲ BUILDING DISCHARGE POINT (REFER TO BHC3000 SERIES)
- INDICATIVE LANDSCAPE DRAINAGE CATCHPIT (INCOMING LANDSCAPE DRAINAGE BY OTHERS)
- LINEAR DRAINAGE SUMP
- LINEAR DRAINAGE (REFER TO BHC 2030)
- PERFORATED DRAIN FROM RETAINING WALLS
- CONNECTION TO SEWERS

02 FOR TENDER	13.05.05	RMAB
01 TENDER ISSUE	12.05.05	RMAB
00 ORIGINAL ISSUE	04.04.05	RMAB

No.	Description	Date	Checked
02	FOR TENDER	13.05.05	RMAB
01	TENDER ISSUE	12.05.05	RMAB
00	ORIGINAL ISSUE	04.04.05	RMAB

FOR TENDER	JUNE 05
Issued only for purpose indicated	Date

17 Newnham Street  
London  
W1P 3HD

Tel: 0171 927 9700  
Fax: 0171 927 9701

**Buro Happold**  
Consulting Engineers

Project: KINGS WATERFRONT  
PROPOSED DRAINAGE  
GENERAL LAYOUT AND KEY PLAN

Scale: 1:50 @ A1	Job No: 008636
Drawn by: ACK	Drawing No: BHC2000
Checked by: RMAB	Date: JUN 2005
Date: JUN 2005	Rev: 0

BHC2002

BHC2003