

## Appendix B Flood Compensation & Exceedance

- Flood Compensation Layout
- Flood Exceedance Pre-development

2:100 m AOD  
PRE-DEVELOPMENT  
0.1% AEP (1000 YR) FLOOD LEVEL

[illegible]

| FLOOD VOLUMES @ 100mm INTERVALS |                   |                   |                                                                                     |                |
|---------------------------------|-------------------|-------------------|-------------------------------------------------------------------------------------|----------------|
| Number                          | Minimum Elevation | Maximum Elevation | Color                                                                               | Volumes (cu.m) |
| 1                               | 1.750             | 1.850             |  | 2207.7         |
| 2                               | 1.650             | 1.750             |  | 1572.8         |
| 3                               | 1.550             | 1.650             |  | 1110.9         |
| 4                               | 1.450             | 1.550             |  | 687.6          |
| 5                               | 1.350             | 1.450             |  | 340.7          |
| 6                               | 1.250             | 1.350             |  | 104.8          |
| 7                               | 1.150             | 1.250             |  | 43.2           |
| 8                               | 1.050             | 1.150             |  | 31.2           |
| 9                               | 0.950             | 1.050             |  | 21.9           |
| 10                              | 0.850             | 0.950             |  | 14.3           |
| 11                              | 0.750             | 0.850             |  | 9.6            |
| 12                              | 0.650             | 0.750             |  | 6.8            |
| 13                              | 0.550             | 0.650             |  | 5.0            |
| 14                              | 0.450             | 0.550             |  | 3.5            |
| 15                              | 0.350             | 0.450             |  | 2.2            |
| 16                              | 0.250             | 0.350             |  | 1.1            |
| 17                              | 0.150             | 0.250             |  | 0.4            |
| 18                              | 0.050             | 0.150             |  | 0.1            |
| 19                              | 0.000             | 0.050             |  | 0.0            |

POST DEVELOPMENT FLOOD  
COMPENSATION VOLUME  
= 6258m<sup>3</sup>

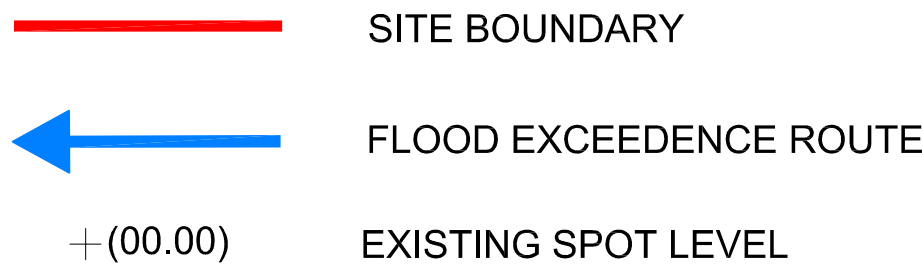
| Number | Minimum Elevation | Maximum Elevation | Color                                                                                 | Volumes (cu.m) |
|--------|-------------------|-------------------|---------------------------------------------------------------------------------------|----------------|
| 1      | 1.750             | 1.850             |  | 2043.7         |
| 2      | 1.650             | 1.750             |  | 1663.4         |
| 3      | 1.550             | 1.650             |  | 1253.8         |
| 4      | 1.450             | 1.550             |  | 738.2          |
| 5      | 1.350             | 1.450             |  | 317.9          |
| 6      | 1.250             | 1.350             |  | 102.5          |
| 7      | 1.150             | 1.250             |  | 43.1           |
| 8      | 1.050             | 1.150             |  | 31.2           |
| 9      | 0.950             | 1.050             |  | 21.9           |
| 10     | 0.850             | 0.950             |  | 14.3           |
| 11     | 0.750             | 0.850             |  | 9.6            |
| 12     | 0.650             | 0.750             |  | 6.8            |
| 13     | 0.550             | 0.650             |  | 5.0            |
| 14     | 0.450             | 0.550             |  | 3.5            |
| 15     | 0.350             | 0.450             |  | 2.2            |
| 16     | 0.250             | 0.350             |  | 1.1            |
| 17     | 0.150             | 0.250             |  | 0.4            |
| 18     | 0.050             | 0.150             |  | 0.1            |
| 19     | 0.000             | 0.050             |  | 0.0            |

**FLOOD COMPENSATION PROVIDED AT  
1.850M AOD 1% AEP (100YR) + 45%  
CLIMATE CHANGE FLOOD LEVEL**

NOTES

1. All dimensions are to be checked on site before the commencement of works. Any discrepancies are to be reported to the Architect & Engineer for verification. Figured dimensions only are to be taken from this drawing.
2. The DWG file is issued for the purposes of coordination only and do not represent formal drawing issue and are not to be reprinted in any form. Formal issue of drawings is via DWF, Adobe PDF files and/or hard copies and their associated information issue sheets.
3. Note that all care has been taken with the export of DWG files and their content, but we recommend that you make due dimensional checks before using any DWG file information. Any errors found are to be reported to Hydrock immediately.
4. Levels shown in metres above Ordnance Datum (mAOD).

|                                                                                                                                                                                                                                                 |                         |          |            |                   |                 |          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------|------------|-------------------|-----------------|----------|
| P01                                                                                                                                                                                                                                             | PRELIMINARY ISSUE       |          |            |                   |                 |          |
|                                                                                                                                                                                                                                                 | J.MAGEE                 | 27/09/19 | J.MAGEE    | 27/09/19          | M.GRIFFIN       | 27/09/19 |
| REV                                                                                                                                                                                                                                             | REVISION NOTES/COMMENTS |          |            |                   |                 |          |
|                                                                                                                                                                                                                                                 | DRAWN BY                | DATE     | CHECKED BY | DATE              | APPROVED BY     | DATE     |
|  <p> <b>Hydrock</b> Merchants' House North<br/> Wapping Road<br/> Bristol<br/> BS1 4RW<br/> t: +44 (0)117 945 9325<br/> e: bristolcentral@hydrock.com </p> |                         |          |            |                   |                 |          |
| CLIENT                                                                                                                                                                                                                                          |                         |          |            |                   |                 |          |
| PROJECT                                                                                                                                                                                                                                         |                         |          |            |                   |                 |          |
| SALTBOX SITE<br>BOGNOR REGIS                                                                                                                                                                                                                    |                         |          |            |                   |                 |          |
| TITLE                                                                                                                                                                                                                                           |                         |          |            |                   |                 |          |
| FLOOD COMPENSATION LAYOUT                                                                                                                                                                                                                       |                         |          |            |                   |                 |          |
|                                                                                                                                                                                                                                                 |                         |          |            |                   |                 |          |
| HYDROCK PROJECT NO.<br>C-13319-C                                                                                                                                                                                                                |                         |          |            | SCALE @ A1<br>NTS |                 |          |
| STATUS DESCRIPTION<br>INFORMATION                                                                                                                                                                                                               |                         |          |            |                   | STATUS<br>S2    |          |
| DRAWING NO. (PROJECT CODE-ORIGINATOR-ZONE-LEVEL-TYPE-ROLE-NUMBER)<br>SAL-HYD-00-ZZ-DR-C-7410                                                                                                                                                    |                         |          |            |                   | REVISION<br>P01 |          |



|     |                        |          |           |          |           |          |
|-----|------------------------|----------|-----------|----------|-----------|----------|
| PO1 | ISSUED FOR INFORMATION |          |           |          |           |          |
|     | R.HUNT                 | 11/10/19 | M.GRIFFIN | 11/10/19 | M.GRIFFIN | 11/10/19 |

|     |                         |      |            |      |             |      |
|-----|-------------------------|------|------------|------|-------------|------|
| REV | REVISION NOTES/COMMENTS |      |            |      |             |      |
|     | DRAWN BY                | DATE | CHECKED BY | DATE | APPROVED BY | DATE |

# Hydrock

 Merchants' House North  
Wapping Road  
Bristol  
BS1 4RW  
t: +44 (0)117 945 9225  
e: [bristolcentral@hydrock.com](mailto:bristolcentral@hydrock.com)

CLIENT

LANDLINK ESTATES

PROJECT

SALTBOX  
BOGNOR REGIS

TITL

FLOOD EXCEEDANCE  
PRE-DEVELOPMENT

|                                                                                              |                      |
|----------------------------------------------------------------------------------------------|----------------------|
| HYDROCK PROJECT NO.<br>C-13319-C                                                             | SCALE @ A1<br>1:1000 |
| STATUS DESCRIPTION<br>INFORMATION                                                            | STATUS<br>S2         |
| DRAWING NO. (PROJECT CODE-ORIGINATOR-ZONE-LEVEL-TYPE-ROLE-NUMBER)<br>SAL-HYD-00-ZZ-SK-C-7703 | REVISION<br>P01      |

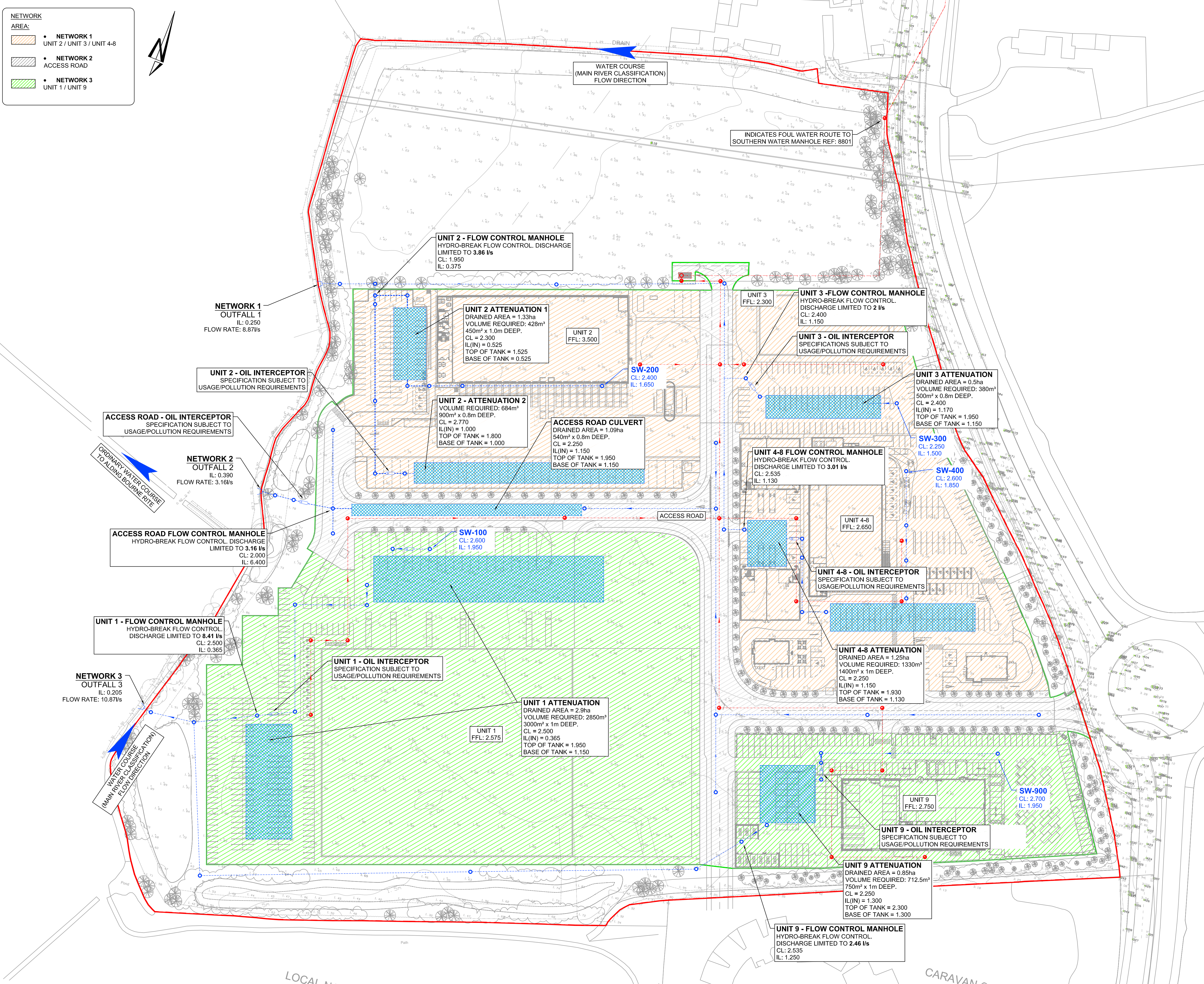
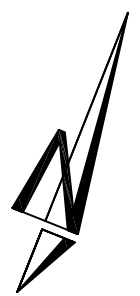
## Appendix C Surface Water Drainage

- Pre-Development Catchment Areas.
- Post-Development Impermeable and Permeable Catchment Areas
- Post-Development Unit Plot Catchment Areas
- Site Wide Drainage Strategy

NETWORK

AREA:

- NETWORK 1  
UNIT 2 / UNIT 3 / UNIT 4-8
- NETWORK 2  
ACCESS ROAD
- NETWORK 3  
UNIT 1 / UNIT 9



- NOTES
1. All dimensions are to be checked on site before the commencement of works. Any discrepancies are to be reported to the Architect & Engineer for verification. Figured dimensions only are to be taken from this drawing.
  2. The DWS file is issued for the purposes of coordination only and do not represent formal drawing issue and are not to be reprinted in any form. Formal issue of drawings is via DWF, Adobe PDF files and/or hard copies and their associated information issue sheets.
  3. Note that all care has been taken with the export of DWG files and their content, but we recommend that you make due dimensional checks before using any DWG file information. Any errors found are to be reported to Hydrock immediately.
  4. All levels are shown in metres above Ordnance Datum (m AOD).
  5. All private drainage to comply with current Building Regulations, BS EN-752 Drain and Sewer systems outside Buildings and other relevant British Standards and Codes of Practices.
  6. Drainage pipework routes under building footprint will require Co-ordination with foundations.
  7. Final foul pipe connection routes and manholes are subject to confirmation of above ground drainage design discharge points at ground level by others to allow final pipe sizes, configuration and connections.
  8. Door threshold drainage channel requirements to be advised by others.
  9. Surface water drainage RWP locations to be confirmed by Architect.
  10. External levels shown on this drawing relating to the civils, drainage works etc are to be confirmed on receipt of final external levels drawing (by others).
  11. Foul drainage shown indicative subject to detailed design.

| PLANNING ISSUE          |              |          |            |          |             |
|-------------------------|--------------|----------|------------|----------|-------------|
| PO1                     | D. GALLIMORE | 11/10/19 | M. GRIFFIN | 11/10/19 | M. GRIFFIN  |
| REVISION NOTES/COMMENTS |              |          |            |          |             |
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Hydrock

Merchants' House North  
Wapping Road  
Bristol  
BS1 4RW  
t: +44 (0)117 945 9225  
e: bristolcentral@hydrock.com

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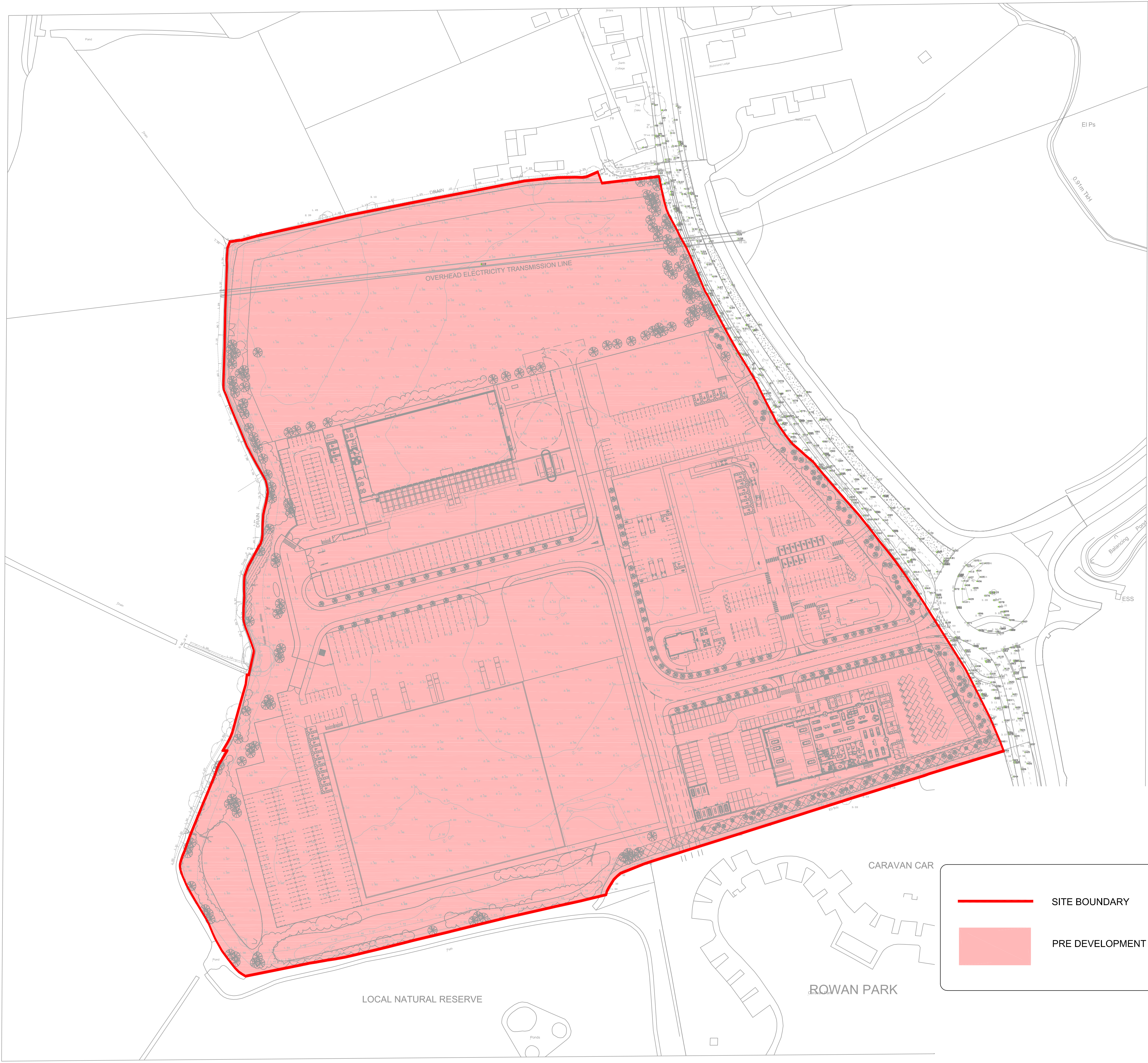
PROJECT

SALTBOX  
BOGNOR REGIS

TITLE

SITE DRAINAGE STRATEGY

|                                                                                              |  |                     |  |
|----------------------------------------------------------------------------------------------|--|---------------------|--|
| HYDROCK PROJECT NO.<br>C-13319-C                                                             |  | SCALE @ A1<br>1:750 |  |
| STATUS DESCRIPTION<br>PLANNING                                                               |  | STATUS<br>S2        |  |
| DRAWING NO. (PROJECT CODE-ORIGINATOR-ZONE-LEVEL-TYPE-ROLE-NUMBER)<br>SAL-HYD-00-ZZ-DR-C-7000 |  | REVISION<br>PO1     |  |



SITE BOUNDARY

PRE DEVELOPMENT CATCHMENT AREA = 12ha



KEY PLAN

NOTES

|     |                         |          |            |          |             |          |
|-----|-------------------------|----------|------------|----------|-------------|----------|
| P01 | ISSUED FOR INFORMATION  |          |            |          |             |          |
|     | R.HUNT                  | 11/10/19 | M.GRIFFIN  | 11/10/19 | M.GRIFFIN   | 11/10/19 |
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Merchants' House North  
Wapping Road  
Bristol  
BS1 4RW  
t: +44 (0)117 945 9225  
e: bristolcentral@hydrock.com

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PROJECT

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TITLE

PRE DEVELOPMENT CATCHMENT AREA

|                                                                                              |                      |                 |
|----------------------------------------------------------------------------------------------|----------------------|-----------------|
| HYDROCK PROJECT NO.<br>C-13319-C                                                             | SCALE @ A1<br>1:1000 | STATUS<br>S2    |
| STATUS DESCRIPTION<br>INFORMATION                                                            |                      |                 |
| DRAWING NO. (PROJECT CODE-ORIGINATOR-ZONE-LEVEL-TYPE-ROLE-NUMBER)<br>SAL-HYD-00-ZZ-SK-C-7700 |                      | REVISION<br>P01 |



NOTES

|     |                         |          |            |          |             |          |
|-----|-------------------------|----------|------------|----------|-------------|----------|
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**Hydrock**

Merchants' House North  
Wapping Road  
Bristol  
BS1 4RW  
t: +44 (0)117 945 9225  
e: [bristolcentral@hydrock.com](mailto:bristolcentral@hydrock.com)

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PROJECT

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|                                                                          |
|--------------------------------------------------------------------------|
| TITLE                                                                    |
| POST DEVELOPMENT CATCHMENT AREAS<br>IMPERMEABLE AND PERMEABLE CATCHMENTS |

|                                                                                              |  |                      |
|----------------------------------------------------------------------------------------------|--|----------------------|
| HYDROCK PROJECT NO.<br>C-13319-C                                                             |  | SCALE @ A1<br>1:1000 |
| STATUS DESCRIPTION<br>INFORMATION                                                            |  | STATUS<br>S2         |
| DRAWING NO. (PROJECT CODE-ORIGINATOR-ZONE-LEVEL-TYPE-ROLE-NUMBER)<br>SAL-HYD-00-ZZ-SK-C-7701 |  | REVISION<br>P01      |



Total Catchment Area = 7.89ha



KEY PLAN

NOTES

|                        |                         |          |            |          |             |          |
|------------------------|-------------------------|----------|------------|----------|-------------|----------|
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| P01                    | R.HUNT                  | 11/10/19 | M.GRIFFIN  | 11/10/19 | M.GRIFFIN   | 11/10/19 |
| REV                    | REVISION NOTES/COMMENTS |          |            |          |             |          |
|                        | DRAWN BY                | DATE     | CHECKED BY | DATE     | APPROVED BY | DATE     |



Merchants' House North  
Wapping Road  
Bristol  
BS1 4RW  
t: +44 (0)117 945 9225  
e: bristolcentral@hydrock.com

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TITLE

POST DEVELOPMENT  
UNIT PLOT CATCHMENT AREAS

|                                                                                              |                   |                 |
|----------------------------------------------------------------------------------------------|-------------------|-----------------|
| HYDROCK PROJECT NO.<br>C-13319-C                                                             | SCALE @ A1<br>NTS | STATUS<br>S2    |
| STATUS DESCRIPTION<br>INFORMATION                                                            |                   |                 |
| DRAWING NO. (PROJECT CODE-ORIGINATOR-ZONE-LEVEL-TYPE-ROLE-NUMBER)<br>SAL-HYD-00-ZZ-SK-C-7702 |                   | REVISION<br>P01 |