ARUN DISTRICT COUNCIL BR/132/21/OUT

RIVER

POINT

Drain

REFER TO UNIT 2
DRAINAGE LAYOUT

+2400

64 VAN PARKING SPACES

**OIL INTERCEPTOR - OI-501**
FULL RETENTION SEPARATOR (WITH ALARM). KLARGESTER NSFA200 OR SIMILAR APPROVED. SIZED ACCORDING TO EA DOCUMENT PPG3 AND INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
TREATMENT AREA = 8,370m²

**ATTENUATION TANK - CA-501**
TO BE LOCATED BENEATH CARRIAGEWAY.
IMPERMEABLE DRAINED AREA = 8,370m²
SRP = 1 IN 100 YR + 40% CLIMATE CHANGE.
845m³ STORAGE PROVIDED IN CONCRETE CULVERT
137.0m x 6.5m x 1.0m (INTERNAL) DEEP.
TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS
CL = 2.450 (LOWEST POINT)
COVER TO TANK: 500mm (MIN) AT LOWEST POINT
TOP OF TANK = 1.950
BASE OF TANK = 0.650

**SW-508**
**CATCHPIT**
D400 CVR
CL: 2.060
IL: 0.988

**HEADWALL - H-02**
CL: 2.000
IL: 0.390

**SW-507**
**CATCHPIT**
B125 CVR
CL: 2.000
IL: 0.431

225Ø@1:125

225Ø@1:100

225Ø@1:50

**FLOW CONTROL MANHOLE - FC-501**
**CATCHPIT**
1.5Ø PC RING
HYDRO-BREAK FLOW CONTROL
DISCHARGE LIMITED TO **3.16 l/s**
D400 CVR
CL: 2.200
IL(600Ø IN): 0.625
IL(225Ø OUT): 0.640

**SW-509**
**CATCHPIT**
D400 CVR
CL: 2.180
IL: 0.827

INDICATES CHANNEL IN CONCRETE CULVERT SEE DRAWING 7104 FOR DETAILS

**SW-505b**
**CATCHPIT**
D400 CVR
CL: 2.630
IL: 0.728

**SW-505a**
**CATCHPIT**
D400 CVR
CL: 2.960
IL: 0.795

IL (OUT) : 0.650
IL (IN) : 0.710
IL (OUT) : 0.720
IL (IN) : 0.765
IL (OUT) : 0.775

3 | 4 | 4

6.500

47.000

45.000

150Ø@1:135

**FW-500**
CL: 2.000
IL: 0.426

**FW-501**
CL: 2.800
IL: -0.172

INDICATES SPUR FOR UNIT 1 FOUL ROUTE (APPROX)
1:80 SPUR IL: 0.466 (APPROX)
**SUBJECT TO DETAILED DESIGN**

INDICATES ACCESS ROAD BOUNDARY

SEE DRAWING SAL-HYD-00-GF-DR-C-7021 FOR CONTINUATION

22 HGV PARKING SPACES

LOADIN

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).
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. All external drainage within trafficked areas with less than 1.2m cover to have type Z concrete bed and surround. All external drainage within landscaped areas with cover less than 0.6m to have type Z concrete bed and surround. All drainage with greater cover than the minimum required to have type S bed and surround.
7. All drainage to be laid soffit to soffit unless otherwise shown.
8. The Contractor is to verify the line, level and diameter of existing sewers before commencing drainage works.
9. All foul drainage to be minimum 100mm diameter, all surface water drainage to be minimum 150mm diameter unless otherwise shown.
10. Cover levels shown on this drawing refer to approximate surface levels. It is the contractors responsibility to ensure that access covers and frames are set at the final surface levels.
11. Where possible the contractor is to orientate manhole biscuits and covers to locate them parallel to kerbs and paving.
12. The Contractor should comply with hsg() 47 "Avoiding Danger from Underground Services" when excavating around existing services.
13. It is the contractors responsibility to determine the location and depth of all existing services, mains and cables prior to construction.
14. Contractor to provide temporary screens in each of the down stream manholes during the construction period of the development in accordance with SFA 2.9.10 and the local sewerage undertakers requirements.
15. All in-situ concrete and precast concrete components to be manufactured using Sulphate Resisting Portland Cement, (SRPC) to BS 4027, if required, subject to soil conditions. Manhole components to be to BS EN 1917:2002.
16. All ironwork to be kite marked by BSI or certified by equal inspection authority.
17. All redundant connections to be capped off and grouted from the down stream manhole.
18. All new drainage pipes to be jetted, CCTV surveyed with DVD recording and any defects highlighted to the supervising officer. Following the rectification of any defects, the drain is to be re-surveyed with CCTV and the recordings made available to the project manager/engineer.
19. Prior to commencing the works the contractor is to confirm details of the existing drainage system as noted on the drawing.
20. Prior to commencing the works the contractor is to undertake the drainage investigation work as noted on the drawing.

| REV | DRAWN BY | DATE | CHECKED BY | DATE | APPROVED BY | DATE |
|---|---|---|---|---|---|---|
| | REVISION NOTES/COMMENTS | | | | | |
| C07 | AS BUILT ISSUE | | | | | |
| | O.DAVIS | 22.07.21 | D.GALLIMORE | 22.07.21 | D.GALLIMORE | 22.07.21 |
| C06 | HEALTH AND SAFETY FILE ISSUE | | | | | |
| | J.SHIMMIN | 28/06/21 | D.GALLIMORE | 28/06/21 | M. GRIFFIN | 26/06/21 |
| C05 | HEALTH AND SAFETY FILE ISSUE | | | | | |
| | J.SHIMMIN | 10/06/21 | D.GALLIMORE | 10/06/21 | M. GRIFFIN | 10/06/21 |
| C04 | GULLIES REVISED/ADDED FOLLOWING LEVELS REVIEW. | | | | | |
| | D. GALLIMORE | 16/12/20 | D.GALLIMORE | 16/12/20 | M. GRIFFIN | 16/12/20 |
| C03 | GULLIES REVISED/ADDED FOLLOWING LEVELS REVIEW. | | | | | |
| | D. GALLIMORE | 13/10/20 | D.GALLIMORE | 13/10/20 | M. GRIFFIN | 13/10/20 |
| C02 | GULLIES REVISED/ADDED FOLLOWING LEVELS REVIEW. | | | | | |
| | D. GALLIMORE | 11/08/20 | D.GALLIMORE | 11/08/20 | M. GRIFFIN | 11/08/20 |
| C01 | ISSUED FOR CONSTRUCTION | | | | | |
| | D. GALLIMORE | 24/07/20 | D.GALLIMORE | 24/07/20 | M. GRIFFIN | 24/07/20 |
| P12 | ISSUED FOR CONTRACT | | | | | |
| | D. GALLIMORE | 04/05/20 | D.GALLIMORE | 04/05/20 | M. GRIFFIN | 04/05/20 |
| P11 | ISSUED FOR CONTRACT | | | | | |
| | R.HUNT | 13/03/20 | D.GALLIMORE | 13/03/20 | M. GRIFFIN | 13/03/20 |
| P10 | REVISED AS CLOUDED | | | | | |
| | D. GALLIMORE | 25/02/20 | M. GRIFFIN | 25/02/20 | M. GRIFFIN | 25/02/20 |
| P09 | REVISED AS CLOUDED | | | | | |
| | D. GALLIMORE | 13/12/19 | M. GRIFFIN | 13/12/19 | M. GRIFFIN | 13/12/19 |
| P08 | REVISED FOLLOWING COMMENTS (AS CLOUDED) | | | | | |
| | D. GALLIMORE | 20/11/19 | M. GRIFFIN | 20/11/19 | M. GRIFFIN | 20/11/19 |
| P07 | REVISED FOLLOWING COMMENTS (AS CLOUDED) | | | | | |
| | D. GALLIMORE | 15/11/19 | M. GRIFFIN | 15/11/19 | M. GRIFFIN | 15/11/19 |
| P06 | REVISED FOLLOWING COMMENTS (AS CLOUDED) | | | | | |
| | D. GALLIMORE | 06/11/19 | M. GRIFFIN | 06/11/19 | M. GRIFFIN | 06/11/19 |
| P05 | NOTES AMENDED | | | | | |
| | J.MAGEE | 23/10/19 | M. GRIFFIN | 23/10/19 | M. GRIFFIN | 23/10/19 |
| P04 | CULVERT AMENDED | | | | | |
| | J.MAGEE | 22/10/19 | M. GRIFFIN | 22/10/19 | M. GRIFFIN | 21/10/19 |
| P03 | CULVERT AMENDED | | | | | |
| | D. GALLIMORE | 21/10/19 | M. GRIFFIN | 21/10/19 | M. GRIFFIN | 21/10/19 |
| P02 | TENDER ISSUE | | | | | |
| | D. GALLIMORE | 17/10/19 | M. GRIFFIN | 17/10/19 | M. GRIFFIN | 17/10/19 |


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CLIENT
LANDLINK ESTATES

PROJECT
SALTBOX
BOGNOR REGIS

TITLE
ACCESS ROAD DRAINAGE LAYOUT
SHEET 1

HYDROCK PROJECT NO.
C-13319-C

SCALE @ A1
1:250

STATUS DESCRIPTION
AS BUILT ISSUE

STATUS
A1

DRAWING NO. (PROJECT CODE-ORIGINATOR-ZONE-LEVEL-TYPE-ROLE-NUMBER)
SAL-HYD-PH1-ZZ-DR-C-7020

REVISION
C07

## LEGEND

### PROPOSED DRAINAGE - FOUL

100Ø@1:100 — FOUL WATER DRAIN - **CLAY**
Approx. gradient and diameter as noted, 100mm Ø UNO

FW-01 — FOUL WATER MANHOLE
PC Ring REFER TO DETAILS FOR MANHOLE DIAMETER

FW-01 — FOUL WATER INSPECTION CHAMBER
PVCu 450mm Ø. Max 1.2m depth - reduced access to 3.0m

*Note: All internal foul MH's and IC's to have recessed covers. double sealed and locking to prevent odours. Refer to layout for location.*

SAC — FOUL WATER SHALLOW ACCESS CHAMBER
Max depth to invert 600mm from GL, 300mm Ø

RE — FOUL RODDING EYE
Ø as noted

YG — FOUL YARD GULLY (to be trapped)
Gully reference as noted on drawing.
Cover grade to suit loading.

FD — FLOOR DRAIN (to be trapped)
Internal use only, refer to architect for details / specification.
Roddable from above slab into standard (01) fitting.
Floor Drain / Gully to be kept charged to avoid odours.

01 & 01A — FOUL OUTLET / STACK POSITION
Shown indicative, refer to architect for setting out.
All branches 100mm Ø UNO.
01 - Outlet connects into standard 90° rest bend.
01A - Indicates access required in above slab plumbing for rodding, refer to service engineers drawings for details.
SVP - Indicates soil vent pipe by service engineer: with access.

### PROPOSED DRAINAGE - STORM

150Ø@1:100 — STORM WATER DRAIN - **CLAY**
Approx. gradient and diameter as noted, 150mm Ø UNO

SW-01 — STORM WATER MANHOLE
PC Ring REFER TO DETAILS FOR MANHOLE DIAMETER

SW-01 — STORM WATER INSPECTION CHAMBER
PVCu 450mm Ø. Max 1.2m depth - reduced access to 3.0m

RE — STORM RODDING EYE
Ø as noted

SILT TRAP

CONCRETE ENCASEMENT TO PIPE
Refer to limits of cover table drawing 7101

01 & 01A — RAIN WATER OUTLET
Shown indicative, refer to architect for setting out.
All branches 100mm Ø UNO.
01 - Outlet connects into standard 90° rest bend.
01A - Indicates access required in above slab plumbing for rodding, refer to service engineers drawings for details.

AG — RAIN WATER OUTLET ACCESS GULLY
AG - Outlet connects to gully.

RG — ROAD GULLY (to be trapped)

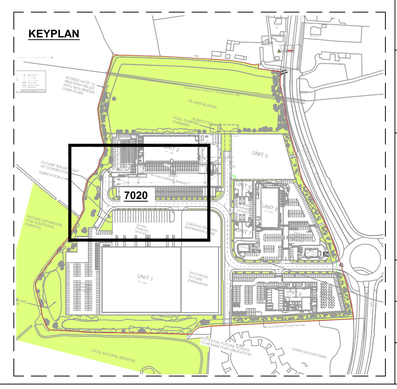
YG — YARD GULLY (to be trapped)

PG — PAVED AREA GULLY (to be trapped)

DC — DRAINAGE CHANNEL
(Refer to layout for specification)

TH — THRESHOLD DRAINAGE CHANNEL
(Refer to architect for details / specification)

*Note: All internal SW MH's and IC's to have recessed covers. double sealed and locking to prevent odours. Refer to layout for location.*

*Note: All connections not made to manholes to be connected via oblique 45 degree junctions with the incoming connecting pipe positioned at 10 or 2 o'clock in section*

**KEYPLAN**