ARUN DISTRICT COUNCIL BR/133/21/DOC

PROPOSED DRAINAGE - STORM

1500@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 MH 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

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.

01 & 01A

(00.00) — PERMEABLE PAVING SUB BASE LEVELS
Refer to drawing 7300 for paving 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)

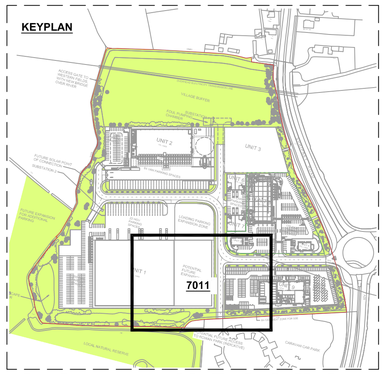
TH — THRESHOLD DRAINAGE CHANNEL
(Refer to architect for details / specification)

FIN DRAIN — FIN DRAIN
Refer to details for specifications)
all pipes to be 150Ø UNO

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.

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



UNIT 1
FFL +3350

POTENTIAL FUTURE EXPANSION

SEE DRAWING SAL-HYD-PH2-ZZ-DR-C-7010 FOR CONTINUATION

FOR UNIT 9 DRAINAGE

ATTENUATION TANK - AT-401
TO BE LOCATED BENEATH CAR PARK
SRP = 1 IN 100 YR + 40% CLIMATE CHANGE.
DRAINED AREA= 9,984m²
676m³ STORAGE PROVIDED IN SDS GEOLIGHT 400 CELLULAR STORAGE CRATES (OR SIMILAR APPROVED).
951m²(70.5m x 13.5m) x 0.75m DEEP.
TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS
CL = 2.670 (LOWEST POINT)
IL = 1.380
TOP OF TANK = 2.130
BASE OF TANK = 1.380

INDICATES UNIT 9 DRAINAGE PASSING THROUGH ROAD TO BE INSTALLED IN PHASE 1 **LEVELS, LOCATIONS AND PIPE DIAMETER SUBJECT TO UNIT 9 AND 1 DETAILED DESIGN.**

(00.00) 00.000

INDICATES SPUR FOR UNIT 9 SW DRAINAGE CONNECTION IN FUTURE WORKS

SW-900
D400 CVR
CL: 2.880 APPROX
IL: 1.250
COVER LEVEL SUBJECT TO UNIT 9 DETAILED DESIGN

400Ø@1:300

INDICATES APPROX PROPOSED GROUND LEVELS

(1.800) 2.830

INDICATES BANKING TO EXISTING LEVEL

(1.890) 2.790

450Ø@1:300

(1.630)

SW-902
B125 CVR
CL: 1.850 MIN
RAISED 220mm LOCALLY
MINIMUM COVER LEVEL TO SUIT FLOOD LEVELS
IL: 0.880

INDICATES EXISTING GROUND LEVELS

(1.940)

SW-901
B125 CVR
CL: 2.050 MIN
RAISED 110mm LOCALLY
MINIMUM COVER LEVEL REQUIRED TO PROVIDE 600mm COVER TO PIPE
IL: 1.210

POTENTIAL FUTURE ACCESS TO ROWAN PARK (INDICATIVE)

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 he(g) 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.

SEE DRAWING SAL-HYD-PH2-ZZ-DR-C-7012 FOR CONTINUATION

NOTES

REV						
C04	AS BUILT ISSUE					
	J.SHIMMIN	27.07.21	D.GALLIMORE	27.07.21	J. MAGEE	27.07.21
C03	ISSUED FOR CONSTRUCTION					
	D. GALLIMORE	28/06/21	M. GRIFFIN	28/06/21	M. GRIFFIN	28/06/21
C02	ISSUED FOR CONSTRUCTION					
	D. GALLIIMORE	23/10/20	D.GALLIMORE	23/10/20	M. GRIFFIN	23/10/20
C01	ISSUED FOR CONSTRUCTION					
	D. GALLIIMORE	24/07/20	D.GALLIMORE	24/07/20	M. GRIFFIN	24/07/20
P05	ISSUED FOR CONTRACT					
	R.HUNT	04/05/20	D.GALLIMORE	04/05/20	M. GRIFFIN	04/05/20
P04	ISSUED FOR CONTRACT					
	R.HUNT	13/03/20	D.GALLIMORE	13/03/20	M. GRIFFIN	13/03/20
P03	DRAWING TITLE CHANGED					
	R.HUNT	24/02/20	D. GALLIMORE	24/02/20	M. GRIFFIN	24/02/20
P02	TENDER ISSUE					
	R.HUNT	21/02/20	D. GALLIMORE	21/02/20	M. GRIFFIN	21/02/20
P01	ISSUED FOR TENDER					
	D. GALLIMORE	10/02/20	D. GALLIMORE	10/02/20	M. GRIFFIN	10/02/20
	REVISION NOTES/COMMENTS					
	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE

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CLIENT
LANDLINK ESTATES

PROJECT
SALTBOX
BOGNOR REGIS

TITLE
UNITS 1 AND 9
DRAINAGE LINK SHEET 1

HYDROCK PROJECT NO.
C-13319-C

SCALE @ A1
1:250

STATUS DESCRIPTION
AS BUILT ISSUE

STATUS
A1

DRAWING NO. (PROJECT CODE-ORGINATOR-ZONE-LEVEL-TYPE-ROLE-NUMBER)
SAL-HYD-PH2-ZZ-DR-C-7011

REVISION
C04