TECHNICAL DESIGN NOTE

Project name	C-13319 - Saltbox, Bognor Regis		
Design note title	Site Completion Report		
Document reference	SAL-HYD-XX-XX-RP-C-0005		
Author	Jacek Zylinski MICE – Senior Infrastructure Engineer		
Revision	P01		
Date	27 July 2021	Approved	✓

Introduction

This document has been prepared by Hydrock Consultants Limited. To be submitted to Arun District Council for discharge of Condition 15 of planning permission BE/92/21/DOC.

The author and inspector of the completion report (Jacek Zylinski) is independent of the Hydrock design team for the Saltbox project and therefore has been kept separate from the project design scheme. Jacek was specifically engaged on the project to check and review the design to confirm that the scheme has been designed to the approved details and therefore can satisfy the planning condition.

BE/92/21/DOC:

Immediately following implementation of the approved surface water drainage system and prior to occupation of any part of the development, the developer/applicant shall provide the local planning authority with as-built drawings of the implemented scheme together with a completion report prepared by an independent engineer that confirms that the scheme was built in accordance with the approved details. The scheme shall thereafter be maintained in perpetuity.

ARUN DISTRICT COUNCIL BE/92/21/DOC

1. REFERENCE DOCUMENTS

This technical design note should be read in conjunction with the following information:

Hydrock Civils Drawings:

SAL-HYD-PH1-ZZ-DR-C-7010 – Unit 2 Drainage Sheet 1

SAL-HYD-PH1-ZZ-DR-C-7011 – Unit 2 Drainage Sheet 1

SAL-HYD-PH1-ZZ-DR-C-7020 – Access Road Drainage Sheet 1

SAL-HYD-PH1-ZZ-DR-C-7021 - Access Road Drainage Sheet 2

SAL-HYD-PH1-ZZ-DR-C-7022 - Access Road Drainage Sheet 3

SAL-HYD-PH1-ZZ-DR-C-7100 – Drainage Details Sheet 1

SAL-HYD-PH1-ZZ-DR-C-7101 - Drainage Details Sheet 2

SAL-HYD-PH1-ZZ-DR-C-7102 - Drainage Details Sheet 3

SAL-HYD-PH1-ZZ-DR-C-7103 - Drainage Details Sheet 4

SAL-HYD-PH1-ZZ-DR-C-7104 - Drainage Details Sheet 5

SAL-HYD-PH1-ZZ-DR-C-7110 – Headwall Details

SAL-HYD-PH1-ZZ-DR-C-7220 - Access Road External Sheet 1

SAL-HYD-PH1-ZZ-DR-C-7221 - Access Road External Sheet 2

SAL-HYD-PH1-ZZ-DR-C-7222 - Access Road External Sheet 3

SAL-HYD-PH1-ZZ-DR-C-7300 - External Details

SAL-HYD-PH2-ZZ-DR-C-7010 – Unit 4/5/8 Drainage Layout

SAL-HYD-PH2-ZZ-DR-C-7011 – Unit 1 & 9 Drainage link Sheet 1

SAL-HYD-PH2-ZZ-DR-C-7012 – Unit 1 & 9 Drainage Link Sheet 2

SAL-HYD-PH2-ZZ-DR-C-7100 – Unit 4/5/8 Drainage Details sheet 1

SAL-HYD-PH2-ZZ-DR-C-7101 – Unit 4/5/8 Drainage Details sheet 2

SAL-HYD-PH2-ZZ-DR-C-7200 – Unit 4/5/8 External Works

ARUN DISTRICT COUNCIL BE/92/21/DOC

2. PHASE 1/2 ON-SITE VISITS

Site Visit (November)

Weather	Inspection	Time of inspection	Date
Sunny / Cloudy	Progress	11.15	20/11/20

- Photo 1: Sub-base placed and compacted, with base course laid on top. HB2 kerbs installed.
- Photo 2: Manhole PC ring, cover slab and cover installed to SW507.
- Photo 3: Kerb haunching and tie in to site. Installation of base course to access road.
- Photo 4: Formation of Unit 2 site.
- Photo 5: Phase 2 foundations installed (began works)

Photo 1. Photo taken November 20th 2020

Photo 2. Photo taken November 20th 2020

Photo 3. Photo taken November 20th 2020

Photo 4. Photo taken November 20th 2020

ARUN DISTRICT COUNCIL BE/92/21/DOC

Photo 5 Photo taken November 20th 2020

ARUN DISTRICT COUNCIL BE/92/21/DOC

Site Visit (December)

Weather	Inspection	Time of inspection	Date
Cloudy	Progress	2.30	10/12/20

- Photo 6: Formation of road cut and culvert being constructed.
- Photo 7: Construction of FW-205 with benching. Constructed in accordance with Hydrock drawing C-7100.
- Photo 8: Construction of pipe run with Class S bedding. In accordance with Hydrock drawing C-7101.
- Photo 9: Partial construction of SW-201 with benching. In accordance with Hydrock drawing C-7100.
- Photo 10: Unit 8 (ALDI) Frame is constructed

Photo 6. Photo taken December 10th 2020

Photo 7. Photo taken December 10th 2020

Photo 8. Photo taken December 10th 2020

Photo 9. Photo taken December 10th 2020

ARUN DISTRICT COUNCIL BE/92/21/DOC

Photo 10. Photo taken December 10th 2020

ARUN DISTRICT COUNCIL BE/92/21/DOC

Site Visit (January)

Weather	Inspection	Time of inspection	Date
Cloudy	Progress	9:45	12/01/21

- Photo 11: Edging and HB2 installed with haunching visible. Footway installed to top of sub-base.
- Photo 12: Klargester NSFA200 as per Hydrock drawing ready to install downstream of FC-501.
- Photo 13: Channel of attenuation tank (CA-501). Constructed in accordance with Hydrock drawing C-7020.
- Photo 14: Unit 2 site at formation, kerbs installed prior to sub-base being laid.

Photo 11. Photo taken January 12th 2021

Photo 12. Photo taken January 12th 2021

Photo 13. Photo taken January 12th 2021

Photo 14. Photo taken January 12th 2021

ARUN DISTRICT COUNCIL BE/92/21/DOC

Site Visit (March)

Weather	Inspection	Time of inspection	Date
Cloudy/ Sunny	Progress	2.00	10/03/21

- Photo 15: External slab installed east of Unit 2. Constructed in accordance with Hydrock drawing C-7300.
- Photo 16: Kerbs of Weybridge installed east of Unit 2.
- Photo 17: Currently constructing external slab south of Unit 2 - Rebar exposed.
- Photo 18: Cover of culvert and FC-501 up to cover slab installed.

Photo 15. Photo taken March 10th 2021

Photo 16. Photo taken March 10th 2021

Photo 17. Photo taken March 10th 2021

Photo 18. Photo taken March 10th 2021

ARUN DISTRICT COUNCIL BE/92/21/DOC

Site Visit (May)

Weather	Inspection	Time of inspection	Date
Cloudy / Sunny	Progress	11:15	28/05/21

- Photo 19: Access Road installed up to base course. Bellmouth installed.
- Photo 20: Kerbs installed with adjacent footway installed up to surface course.
- Photo 21: Unit 2 Permeable paving bays (P-B2 (P)) installed. in accordance with Hydrock drawing C-7200.
- Photo 22: Double gullies installed near SW505a. Constructed in accordance with Hydrock drawing C-7300
- Photo 23: Phase 2 car park/porous block paving installed on site

Photo 19. Photo taken March 28th 2021

Photo 20. Photo taken March 28th 2021

Photo 21. Photo taken March 28th 2021

Photo 22. Photo taken March 28th 2021

ARUN DISTRICT COUNCIL BE/92/21/DOC

Photo 23. Photo taken March 28th 2021

ARUN DISTRICT COUNCIL BE/92/21/DOC

Site Visit (June)

Weather	Inspection	Time of inspection	Date
Sunny	Progress	1:20	01/06/20

- Photo 24: Permeable paving bays (P-B2 (P)) and asphalt (A3) aisles installed; sand bedding visible prior to blocks (P-B1) being laid. Constructed in accordance with Hydrock drawing C-7210 and drawing 7200 (PH1 & PH2)
- Photo 25: Phase Permeable paving bays (P-B2 (P)) and asphalt (A3) aisles installed; sand bedding visible prior to blocks (P-B1) being laid. Constructed in accordance with Hydrock drawing C-7210 and drawing 7200 (PH1 & PH2)

Photo 24. Photo taken June 01st 2021

Photo 25. Photo taken June 01st 2021

ARUN DISTRICT COUNCIL BE/92/21/DOC

3. SUMMARY

Hydrock attended site from initial post cut/fill (November) to final installation of blocks at Unit 2/4/5/8 (June).

Hydrock confirms all attenuation features have been installed as per the approved plans and incorporated into the as built drawings.

We have received CCTV on 02/07/21 (Drain Flow ltd CCTV Inspection Report) All drainage is installed within accordance of the approved plans within sufficient tolerance.

Following these various site visits to Saltbox, Hydrock can confirm that all key elements of the drainage and external design had been built in accordance with the approved plans

Hydrock can therefore confirm the technical note can satisfy the discharge of condition 15 of planning permission BE/92/21/DOC.

ARUN DISTRICT COUNCIL BE/92/21/DOC