OS NORTH

Headwall CL89.820 IL89.820

Hydrobrake manhole
CL92.107
IL88.95
Design flow at 5.0l/s
Design head at 3m

Connection onto Phase 1B infrastructure Spur, submitted under separate RM planning application.

Basin 2
1:3 side slopes
CL90.15
IL88.35
Total volume: 1822m³

Hydrobrake manhole
CL90.244
IL87.731
Design flow at 15.0l/s
Design head at 2.5m

Connection onto Phase 1B infrastructure Spur, submitted under separate RM planning application.

Hydrobrake manhole
SS8
CL91.213
IL88.050
Design flow at 10.0l/s
Design head at 2.2m

Connections onto Phase 1B infrastructure Spurs, submitted under separate RM planning application.

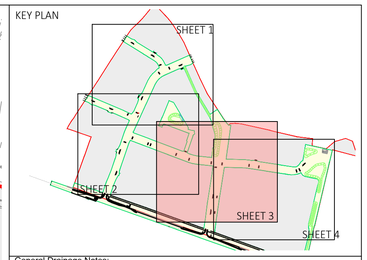
Swale
1:3 swale. Min. 1m base width. 1:500 w/ perforated underdrain.

Swale
1:3 swale. Min. 2m base width. 1:500 w/ perforated underdrain.

SW Outfall
CL88.80
IL87.650 (Approx.)

0m 10m 20m
SCALE BAR (1:500)

KEY PLAN



General Drainage Notes:

1. The planning, design and construction of sewers shall be in accordance with Sewers Sector Guidance Appendix C: Design and Construction Guidance, the Civil Engineering Specification for the Water Industry 7th Edition and Thames Water amendments to CESWI.
2. All Adoptable sewers within adoptable highway with less than 1.2m cover to have reinforced concrete slab protection. All Adoptable sewers within grassed areas with cover less than 0.9m to have reinforced concrete slab protection. All areas with greater cover than the minimum required to have type S bed and surround.
3. Sealed and lockable covers to be supplied where specified on manhole schedule.
4. Use of this drawing does not absolve the client from his responsibilities under the Health and Safety: The Construction Design and Management Regulations 2015. The Principal Designer is required to contact Hydrock Consultants prior to permitting this drawing to be used in connection with any construction works.
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 sewers to be laid soffit to soffit unless otherwise shown.
7. It is the Contractors responsibility to locate existing services on site accurately.
8. The Contractor should comply with hs(g) 47 "Avoiding Danger from Underground Services" when excavating around existing services.
9. The Contractor is to verify the line, level and diameter of existing sewers before commencing drainage works.
10. All levels are to OS datum.
11. Compliance with Health & Safety matters on any trench/manhole is obligatory and a permit to enter a confined space is required when connecting site drainage to the existing public sewerage system. A permit to enter a confined space will be obtained from Thames Water Ltd prior to the works commencing on any public sewerage system.
12. Proposed adoptable sewers are only permitted to have other sewer/gully connections and other services laid at an angle of between 45° and 90° across the line with a vertical clearance in excess of 300mm.
13. Where sewers are to be constructed inside the restricted tree root zone a suitable tree root protection barrier is to be installed to Thames's specification.
14. All svp and rwp positions shown are approximate only. For construction of svp's and rwp's refer to architects detailed construction drawings. Any discrepancies to be reported to the engineer prior to construction.
15. All private pipework shown is 100mmØ unless otherwise indicated.
16. Refer to Section 104 drawing for a full set of construction specification notes.

DRAINAGE LEGEND

- PROPOSED ADOPTABLE FOUL WATER SEWER
- PROPOSED ADOPTABLE SURFACE WATER SEWER
- OCC HIGHWAY ADOPTABLE ROAD GULLY (150mmØ pipe connection)
- OCC HIGHWAY ADOPTABLE INSPECTION CHAMBER
- PROPOSED ROADSIDE SWALE (MAX. 1:3 SIDE SLOPES) FOR DRAINAGE OF HIGHWAY RUNOFF & CONVEYANCE OF DRAINAGE TO EXISTING SOUTHERN DITCH NETWORK
- INFRASTRUCTURE PACKAGE BOUNDARY
- SITE BOUNDARY
- HATCHED AREAS OUTSIDE OF PHASE 1B RM APPLICATION AND ARE SUBJECT TO LAYOUT CHANGES DURING DESIGN DEVELOPMENT
- INDICATIVE POROUS PAVING WITHIN RESIDENTIAL PHASES - DETAILS SUBJECT TO DETAILED PHASE DESIGN
- ADOPTABLE FOUL WATER PUMPING STATION (CONFIRMATION OF SIZE & LAYOUT TBC).
- FW RISING MAIN (TO SPECIALIST DESIGN)

REVISIONS

Rev	Date	Description	By	Ckd	App
P06	10/06/24	Highway layout updated. Residential parcels removed from layout.	RAP	RJP	RAP
P05	15/03/24	Amended to suit new phase 2A layout	BT	JAC	-
P04	19/01/24	Amended to suit updated layout & Cala comments	BT	RA	-
P03	19/01/24	Amended to suit updated layout	BT	JAC	RA
P02	31/05/23	Issued for planning	BT	RA	RA
P01	06/04/23	First issue	BT	RA	RA

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PROJECT
HIMLEY VILLAGE, BICESTER

TITLE
PHASE 1B INFRASTRUCTURE
DRAINAGE LAYOUT SHEET 3 OF 4

HYDROCK PROJECT NO.	SCALE @ A1
C-27141-C	1 : 500

STATUS DESCRIPTION	STATUS
INFORMATION	S2

DRAWING NO. (PROJECT CODE-ORIGINATOR-ZONE-LEVEL-TYPE-ROLE-NUMBER)	REVISION
27141-HYD-1B-XX-DR-C-2303	P06