



- General Drainage Notes:**
- 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.
 - 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.
 - 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.
 - 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.
 - All sewers to be laid soffit to soffit unless otherwise shown.
 - It is the Contractors responsibility to locate existing services on site accurately.
 - The Contractor should comply with h(s)47 "Avoiding Danger from Underground Services" when excavating around existing services.
 - The Contractor is to verify the line, level and diameter of existing sewers before commencing drainage works.
 - All levels are to OS datum., based on the topographical survey
 - 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 sewer 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.
 - 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.
 - Where sewers are to be constructed inside the restricted tree root zone a suitable tree root protection barrier is to be installed.
 - All s/vp and r/w positions shown are approximate only. For construction of s/vp's and r/w's refer to architects detailed construction drawings. Any discrepancies to be reported to the engineer prior to construction.
 - All private pipework shown is 100mmØ unless otherwise specified.
 - Refer to Section 104 drawing for a full set of construction specification notes.
 - Gully catchments designed at max 180m² catchment area based on recent OCC correspondence and approvals
 - Any and all construction undertaken prior to technical approval is done so at risk.**

DRAINAGE LEGEND

	PROPOSED ADOPTABLE WATER SECTION 104 FOUL SEWER (Refer to manhole schedule for ring Ø)
	PROPOSED ADOPTABLE WATER SECTION 104 SURFACE SEWER (Refer to manhole schedule for ring Ø)
	PHASE 1B PROPOSED ADOPTABLE WATER SECTION 104 FOUL SEWER (Refer to manhole schedule for ring Ø)
	PHASE 1B PROPOSED ADOPTABLE WATER SECTION 104 SURFACE SEWER (Refer to manhole schedule for ring Ø)
	OXFORDSHIRE COUNTY HIGHWAY ADOPTABLE ROAD GULLY (150mmØ pipe connection)
	SURFACE WATER MANHOLE (Private) (Precast concrete ring 1.2mØ chamber built to adoptable standard)
	FOUL WATER INSPECTION CHAMBER (PVCu 450mm DIA. Max 1.2m depth - reduced access to 3.0m)
	SURFACE WATER INSPECTION CHAMBER (PVCu 450mm DIA. Max 1.2m depth - reduced access to 3.0m) (300mm min catchpit directly upstream of soakaway)
	FOUL WATER SHALLOW ACCESS CHAMBER (Depth to invert 600mm from GL, 225 x 100mm OR 180mm DIA.)
	RODING EYE (Depth to invert is 600mm unless otherwise shown, levels to be locally raised when close to shallow foul manholes to avoid clashing)
	CONCRETE DISH CHANNEL (Private yard gully located downstream of channel)
	LINEAR DRAINAGE CHANNEL (150mm wide at threshold of garage)
	PRIVATE CELLULAR STORAGE SOAKAWAY (Sized to accommodate up to the 1:100 year storm + 30% increase for climate change)

Note designs are subject to S104 and S38 technical approval. Any construction undertaken prior to approvals are at the sole risk of the client.

REVISIONS

Rev	Date	Description	By	Ckd	App
CO1	20/12/24	Construction Issue. Updated to latest layout.	DN	SM	OD
PO3	13/09/24	Plots 1-20, roads and sewers issued for construction.	JH	OD	OD
PO2	09/07/24	Revised to latest site layout and drainage strategy	DN	OD	OD
PO1	08/03/24	First Issue.	BT	JAC	JC

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PROJECT
HIMLEY VILLAGE, BICESTER

TITLE
**PHASE 2A DRAINAGE LAYOUT
 SHEET 1 OF 3**

HYDROCK PROJECT NO. C-27141-C	SCALE @ A1 1 : 250	STATUS FOR CONSTRUCTION	STATUS A1
DRAWING NO. (PROJECT CODE-ORIGINATOR-ZONE-LEVEL-TYPE-ROLE-NUMBER) 27141-HYD-2A-XX-DR-C-0600		REVISION C01	

1:3 BANK INTO EXISTING. LEVELS TO BE CONFIRMED FOR CARE HOME SITE.

S255 Hydrobrake
 Design head = 2.0m
 Design flow = 10.0l/s
 Unit ref = MD-SHE-0131-1000-2000-1000