



**General Drainage Notes:**

- The planning, design and construction of sewers shall be in accordance with Sewers for Adoption 6th Edition, a design and construction guide for developers, the Civil Engineering Specification for the Water Industry 7th Edition and Thames Water amendments to CEWSW.
- 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 0.1m to have reinforced concrete slab protection. All sewers with greater cover than the minimum required to have type B bed and surround. Sealed and lockable covers to be supplied where specified on manholes schedule.
- 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 Hydrack Consultants prior to permitting this drawing to be used in connection with any construction works.
- All sewers to be laid with 1% fall unless otherwise shown.
- It is the Contractors responsibility to locate existing services on site accurately. Services to be located using ground penetrating radar (GPR) or other suitable methods.
- The Contractor should comply with HSE 47 'Avoiding Danger from Underground Services' when excavating around existing services.
- The Contractor is to verify the level and diameter of existing sewers before commencing drainage work.
- All levels are to OS datum.
- Compliance with Health & Safety matters on any benchmarks 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.
- Proposed adoptable sewers are only permitted to have other sewerage 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 zone a suitable tree protection system is to be installed to Thames Water's specification.
- Refer to Section 104 drawing for a full set of construction specification notes.
- Contractor to refer to drainage layout drawings for highway gully connections.

**14. Drawing to be read in conjunction with drainage strategy report WPF-2110-XX-XX-RP-0003**

**15. Refer to drawing WPF-HYD-XX-XX-DR-C-2101 for swale profiles**

Rev	Date	Description	By	Clk	App	Date	Description	By	Clk	App
PO1	21/10/21	Four storage arrangement updated.	RAP	ID	RAP					
PO2	01/06/21	Highway alignment revised. Foul storage requirement updated in accordance with the design and construction guidance for sewers.	RAP	ID	RAP					

REV	NO	DATE	DESCRIPTION	BY	CHK	APP
PO1	19/03/21	Viewpoint amended. Drainage updated.	RAP	ID	RAP	
PO2	26/01/21	Deletion basin details amended following planning comments.	RAP	ID	RAP	
PO3	10/12/20	Highway application boundaries added to drawing.	RAP	ID	RAP	
PO4	23/11/20	Minor updates to swale profile. Note 14 and 15 added.	RAP	ID	RAP	
PO5	09/10/20	Pumping station location updated to sit at southern point of sports pitch B.	RFS	SM	RFS	
PO6	14/09/20	Updated pipework diameters to account for 40% allowance for climate change.	RFS	SM	RFS	
PO7	15/03/18	First Issue.	RFS	SM	RFS	

**Attenuation Basin B (Catchment 2)**  
 Base Area: 540m<sup>2</sup>  
 Base Slopes: 1 in 4  
 Base Level: 120.00  
 Top of Basin: 123.00  
 Top Water Level: 122.70  
 (1 in 100 Year + 40% Storm Event)

**1500mm deep sediment forebay**

**100mm deep low flow channel**

**Flow Control (Vortex)**  
 Design Head: 2.7m  
 Flow Restriction: 5.0l/s

**0.1m deep spillway**

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**CLIENT**  
 L&Q ESTATES

**PROJECT**  
 WYKHAM PARK FARM  
 BANBURY

<b>TITLE</b> DRAINAGE LAYOUT SHEET 4 OF 5		<b>HYDRACK PROJECT NO.</b> C-04841-C	<b>SCALE @ AD</b> 1 : 500
<b>STATUS</b> S2		<b>INFORMATION</b>	<b>REVISION</b> PO9
<b>DRAWING NO.</b> PROJECT CODE-ORIGINATOR ZONE LEVEL-TYPE-ROLE-NUMBER WPF-HYD-XX-XX-DR-C-0604			