

Open area 4.00ha  
 Impermable area @ 65% = 2.60ha



CATCHMENT SECONDARY SCHOOL  
 SPORTS PITCHES  
 DEVELOPMENT AREA 1.83ha  
 Impermeable area @ 50% = 0.92ha

CATCHMENT R7  
 Area 2.00ha  
 Impermeable area @ 65% = 1.30ha

0.66ha  
 @ 65% = 3.03ha

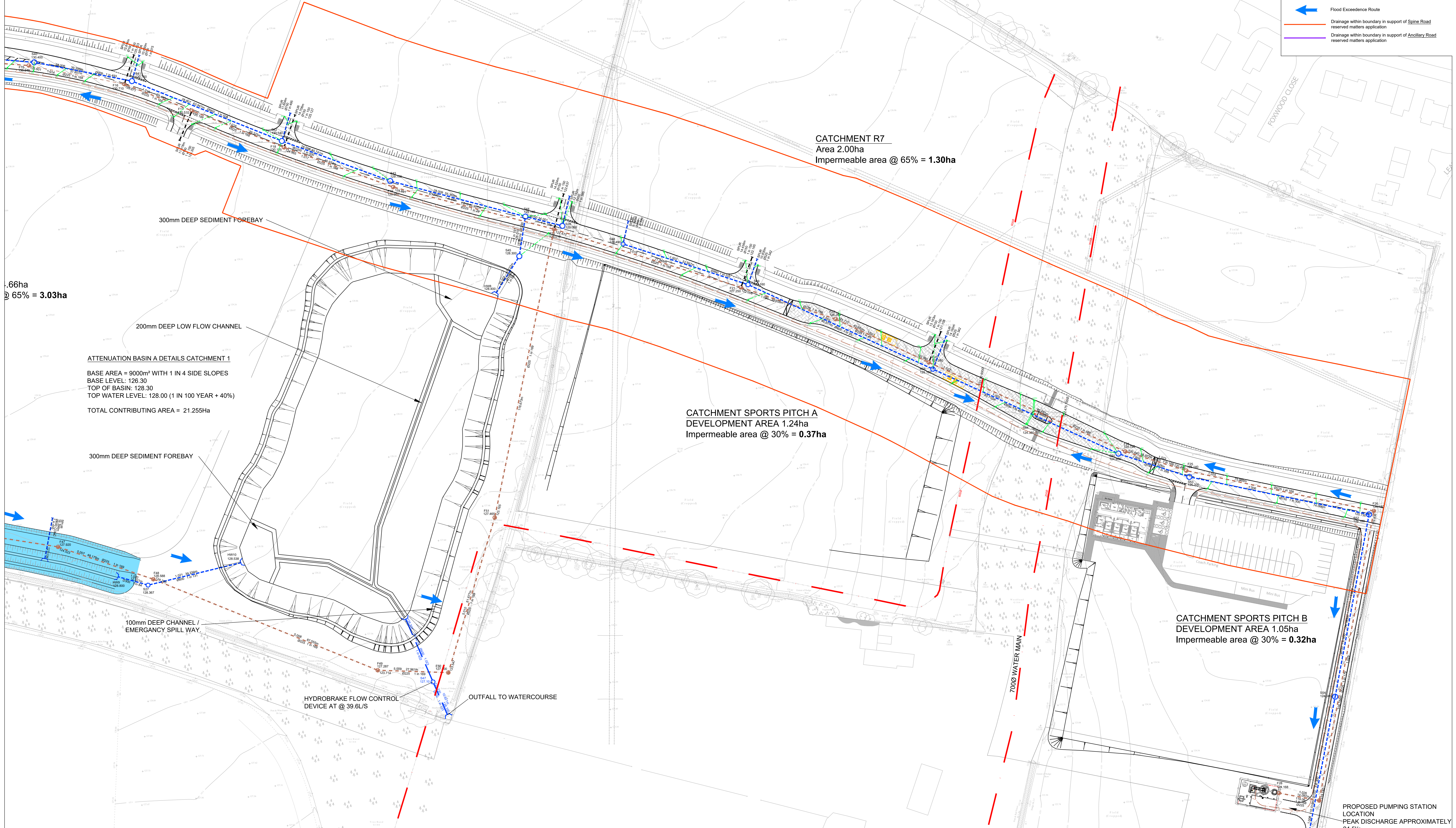
ATTENUATION BASIN A DETAILS CATCHMENT 1  
 BASE AREA = 9000m<sup>2</sup> WITH 1 IN 4 SIDE SLOPES  
 BASE LEVEL: 126.30  
 TOP OF BASIN: 128.30  
 TOP WATER LEVEL: 128.00 (1 IN 100 YEAR + 40%)  
 TOTAL CONTRIBUTING AREA = 21.255Ha

CATCHMENT SPORTS PITCH A  
 DEVELOPMENT AREA 1.24ha  
 Impermeable area @ 30% = 0.37ha

CATCHMENT SPORTS PITCH B  
 DEVELOPMENT AREA 1.05ha  
 Impermeable area @ 30% = 0.32ha

**Key**

- Proposed adoptable Thames water section 104 foul sewer
- Proposed adoptable Thames water section 104 surface sewer
- Section 104 rising main
- 125MM OD PE110 SDR 11
- Oxfordshire county highway adoptable drain
- Oxfordshire county highway adoptable road gully
- Proposed Swale (Swale to surface water drainage connection for the spine and ancillary road drainage to attenuation basins)
- Flood Exceedance Route
- Drainage within boundary in support of Spine Road reserved matters application
- Drainage within boundary in support of Ancillary Road reserved matters application



PROPOSED PUMPING STATION LOCATION  
 LOCATION  
 PEAK DISCHARGE APPROXIMATELY 24.5l/s

**General Drainage Notes:**

- The planning, design and construction of sewers shall be in accordance with the 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 sewerage 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.
- All adoptable sewers within adoptable highway with less than 1.2m cover to have reinforced concrete side protection. All adoptable sewers within grassed areas with cover less than 0.8m to have reinforced concrete side protection. All areas with greater cover than the minimum required to have type 'S' bed and surround.
- Spaded and lockable covers to be supplied where specified on manhole 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 Hydrock Consultants prior to permitting this drawing to be used in connection with any construction works.
- All sewers to be laid soffit to soffit unless otherwise shown.
- It is the Contractor's responsibility to locate existing services on site accurately.
- The Contractor should comply with 'hugli 47' Avoiding Danger from Underground Services' when excavating ground 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.
- 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.
- 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 restrict tree zone a suitable tree protection barrier 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-HYD-XX-XX-DR-003
15. Refer to drawing WPF-HYD-XX-XX-DR-C-2101 for attenuation basins and swale profiles

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Rev	Date	Description	By	Chk
PS	26/01/21	Detention basin details amended following planning comments.	RAP	JD
PS	10/12/20	Highway application boundaries added to drawing	RAP	JD
PA	23/11/20	Minor updates to swale profile. Note 14 and 15 added.	RAP	JD
PO3	09/10/20	Pumping station location updated to sit at southern point of sports pitch B	RFS	SM
PO2	14/09/20	Updated pipework diameters to account for 40% allowance for climate change. Pumping station location up dated to sports pavilion	RFS	SM
PO1	15/03/18	First Issue	RFS	SM

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Note:  
 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. Signed dimensions only are to be taken from this drawing. This drawing is to be read in conjunction with all relevant Engineering and Service Engineer drawings and specifications. This drawing is copyright.

**Project:**  
 WYKHAM PARK FARM  
 BANBURY

**Client:**  
 L&Q ESTATES

**Drawing Title:**  
 DRAINAGE LAYOUT  
 SHEET 4

**Project Number:**  
 C-04841-C

Drawn:	Checked:	Scale @ A0:	Drawn Date:	First Issue:
RFS	SM	1:500	-	-

**Drawing Status:**  
 SUITABLE FOR INFORMATION

**Drawing No.:** WPF-HYD-XX-XX-DR-C-0604 **Revision:** P06