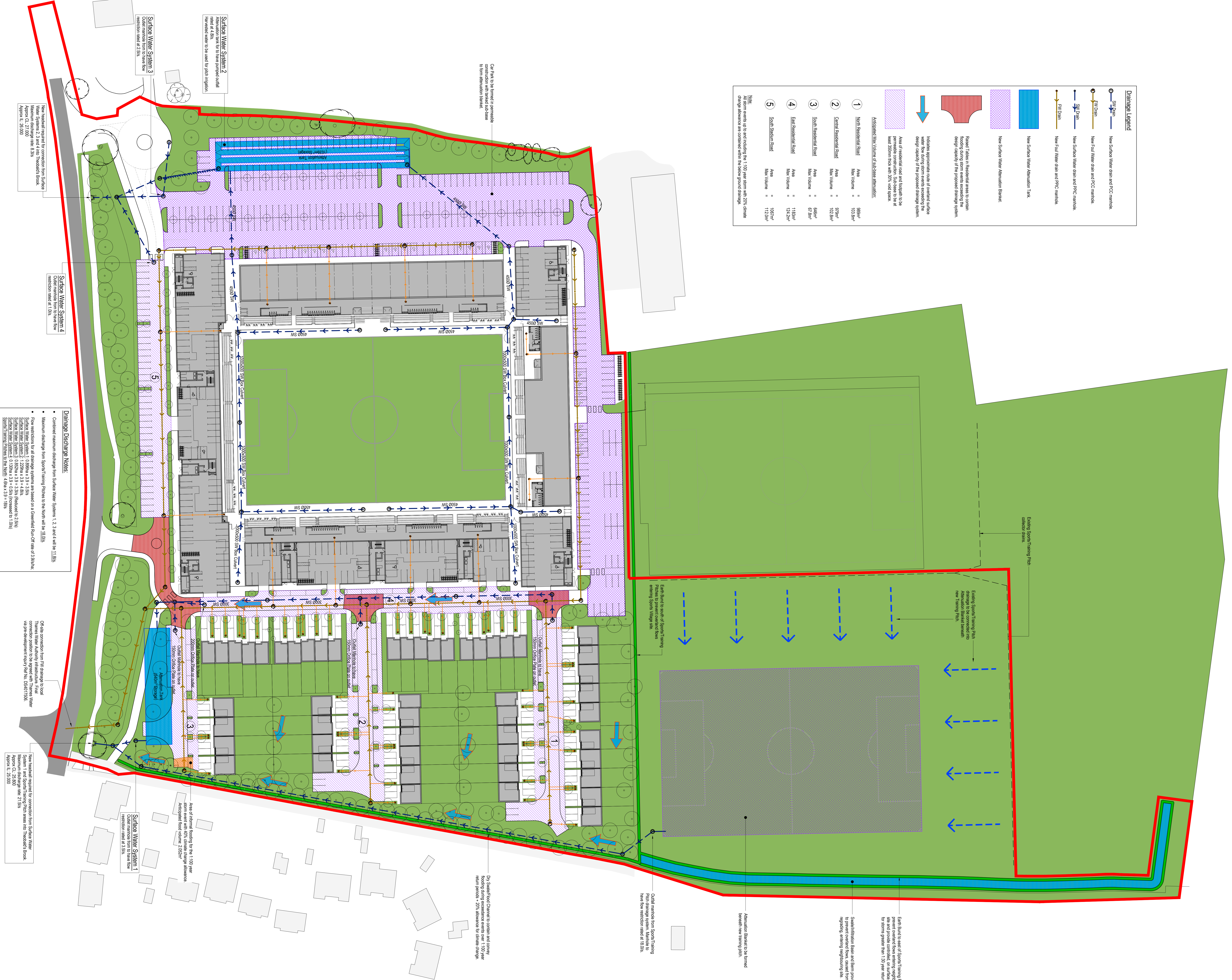


Drainage Legend

- New Surface Water drain and PFC manhole
- New Foul Water drain and PFC manhole
- New Surface Water drain and PFC manhole
- New Foul Water drain and PFC manhole
- New Surface Water Amenuation Tank
- New Surface Water Amenuation Basin

Notes:
 1. Road Status: Theoretical areas to contain road surface water are shown in red. The design capacity of the proposed drainage system indicates approximate nature of road surface water flow during events exceeding the design capacity of the proposed drainage system.
 2. Area of retained road and footpath to be retained with permeable construction with 20% permeable areas with 30% and 20% permeable areas as indicated within the below ground drainage.
 3. Adapted Max Volume of Sub-base Retention

Adapted Max Volume of Sub-base Retention	Area	Max Volume
1 North Residential Road	888m ²	103.8m ³
2 South Residential Road	979m ²	102.8m ³
3 South Residential Road	848m ²	67.2m ³
4 East Residential Road	1492m ²	128.2m ³
5 South Stadium Road	1107m ²	112.0m ³



Drainage Discharge Notes:

- Combined maximum discharge from Surface Water Systems 1, 2, 3 and 4 will be 11.8L/s.
- Maximum discharge from Sports Training Pitches to the north will be 18.0L/s.
- Discharge from Sports Training Pitches to be based on a Scheduled Rainfall rate of 38.0mm/h.
- Surface Water System 1: 0.068m³ x 3.9 = 0.266m³ (Peak Flow: 2.7L/s)
- Surface Water System 2: 0.228m³ x 3.9 = 0.898m³ (Peak Flow: 2.7L/s)
- Surface Water System 3: 0.128m³ x 3.9 = 0.500m³ (Peak Flow: 2.7L/s)
- Surface Water System 4: 0.176m³ x 3.9 = 0.686m³ (Peak Flow: 2.7L/s)
- Sports Training Pitches to the North: 0.8m³ x 3.9 = 3.12m³ (Peak Flow: 18.0L/s)

Details associated from PFA design to local Thames Water Authority representative final construction position to be agreed with Thames Water on the development form No. 02/01/1500.

New manhole required for connection from Surface Water System 2, 3 and into Theobalds Brook. Minimum coverage area: 6.5m². Approx. CL: 26.600.

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- PL5 25.05.17 (MD) Drawing updated to suit Residential Roads and Southern Stadium Road being revised to permeable construction.
- PL4 24.02.17 (AL) Informal flood storage areas added.
- PL3 23.09.16 (MD) Stadium Football Pitch drainage omitted. Surface Water System 2 discharge rate amended to suit. Water Harvesting note added to Surface Water System 2 attenuation tank.
- PL2 09.09.16 (MD) Redline boundary amended and footpath added to secondary crossover from Theobalds Lane to suit architects layout.
- PL1 07.09.16 (MD) Drawing raised to Planning status.