

Based on the Ordnance Survey Map with the Sanction of the controller of H.M. Stationery Office, License no. 100019345 Crown Copyright Reserved.

Thames Water Utilities Ltd, Property Searches, PO Box 3189, Slough SL1 4W, DX 151280 Slough 13 T 0845 070 9148 E searches@thameswater.co.uk I www.thameswater-propertysearches.co.uk

9681         n/a         n/a           9502.         n/a         n/a           9502.         n/a         n/a           9502.         n/a         n/a           9502.         n/a         n/a           9503.         45.78         44.54           9504.         45.13         44.58           9502.         93.15         45.06           9502.         93.15         45.06           9503.         n/a         n/a           9504.         n/a         n/a           9505.         n/a         n/a	Manhole Reference	Manhole Cover Level	Manhole Invert Level
SeCEnhnhnhSeCDnanaSeCDnanaSeCDnanaSeCDnanaSeCDnanaSecDnanaSecDnanaSecDsistnaSecDsistnaSecDnana <th></th> <th></th> <th></th>			
96CDnianiania96C1nianiania96C248.7344.68960149.1344.68881649.144.2881749.144.00880150.145.00880250.110.00880350.145.00880450.110.00880560.010.00880760.010.00880710.0010.00880710.0010.00880810.0010.00880910.0010.00880910.0010.00880910.0010.00880810.0010.00880946.544.55880710.0010.00881610.0010.00881710.0010.00881810.0010.00881910.0010.00881910.0010.00881910.0010.00881910.0010.00881910.0010.00881910.0010.00881910.0010.00881910.0010.00881910.0010.00881910.0010.00881910.0010.00881910.0010.00881910.0010.00881910.0010.00881910.0010.00881910.0010.00881910.00<			
96CC.nånnånnån677149.7644.64677243.7144.68677243.7144.68677274.7145.06880274.7274.72784874.7274.72784974.7345.06784014.7374.74880214.7374.74880514.7374.74880516.7474.74880716.7474.74880816.7474.74880716.7474.74880816.7474.74880716.7474.74880816.7474.74880716.7474.74881716.7474.74881816.7474.74882716.7474.74882816.7474.74882916.7474.74882916.7474.74882916.7474.74882916.7474.74892716.7474.74992816.7474.74992916.7474.74992916.7474.74992116.7474.74992116.7474.74992116.7474.74992116.7474.74992116.7474.74992116.7474.74992116.7474.74992116.7474.74992216.7474.74992316.74 <th>96CD</th> <th>n/a</th> <th>n/a</th>	96CD	n/a	n/a
87014.8.784.4.6.4870249.134.6.4881849.14.4.2881843.14.6.8882233.154.6.87843nana8802nana8802nana8802nana8802nana8802nana8803nana8804nana8816nana8817nana8818nana8817nana8818nana8817nana8818nana8817nana8818nana8819nana8819nana8811nana8811nana8812nana8813nana8814nana8815nana8817nana8818nana8819nana8819nana8819nana8819nana8819nana8819nana8819nana8819nana8819nana8819nana8819nana8819nana8819nana8819na <th></th> <th></th> <th></th>			
870249.1344.68881649.1344.68881640.1342.2881740.1540.66881740.1540.66881840.1540.66882040.2343.41882147.3843.41882247.3843.41882547.3843.41882647.3843.41882740.247.38882840.247.38882940.243.61882940.244.58882940.244.58882940.244.58884140.444.58884240.444.58884340.444.58884440.444.58884540.444.58884540.444.58884640.444.58894740.444.58894840.444.58894940.444.58894140.444.58894144.5144.58894240.444.58894340.444.58894444.5844.58894544.5844.58894544.5844.58894544.5844.58894744.5844.58894744.5844.58894844.5844.58894944.5444.58894044.5444.58894144.5444.58			
Brif94.144.2B01nanaB02S1.545.06B02NaNaB03NaNaB04NaNaB05NaA.1B06NaNaB07NaNaB08NaNaB07NaNaB08NaNaB08NaNaB08NaNaB08NaNaB08NaNaB08NaNaB08NaNaB08NaNaB08NaNaB08NaNaB09NaNaB01NaNaB02NaNaB03NaNaB04NaNaB05NaNaB05NaNaB06NaNaB07NaNaB08NaNaB08NaNaB09NaNaB01NaNaB02NaNaB03NaNaB04NaNaB05NaNaB06NaNaB07NaNaB08NaNaB08NaNaB09NaNaB01NaNaB02NaNaB03NaNaB04NaNa <t< th=""><th></th><th></th><th></th></t<>			
8601na nna hna h74.0na nana h74.0na nana h74.0na hna h74.0na hna h8602na nana h8603na hna h8604na hna h8605na hna h8606na hna h8607na hna h8608na hna h8619na hna h8630na hna h8641na hna h8642na hna h8643na hna h8644na hna h8645na hna h8646na hna h8647na hna h8648na hna h8649na hna h8641na hna h8642na hna h8643na hna h8644na hna h8645na hna h8645na hna h8646na hna h8647na hna h8648na hna h8649na hna h8641na hna h8642na hna h8643na hna h <t< th=""><th></th><th></th><th></th></t<>			
880251.546.067ABn/an/a7ABn/an/a7ABn/an/a8002n/an/a8003n/an/a8004n/an/a8005n/an/a8005n/an/a8006n/an/a8007n/an/a8018n/an/a8019n/an/a8019n/an/a8011n/an/a8011n/an/a8012n/an/a801345.5844.538014n/an/a8015n/an/a8016n/an/a8017n/an/a8018n/an/a8019n/an/a8020n/an/a803146.67n/a8042n/an/a8043n/an/a8044n/an/a8045n/an/a8046n/an/a8047n/an/a8048n/an/a8049n/an/a8041n/an/a8042n/an/a8043n/an/a8044n/an/a8045n/an/a8046n/an/a8047n/an/a8048n/an/a8049n/an/a8049n/an/a			
7ABCnanana82B0nana82B1nana82B2nana82B2nana82B3nana82B4nana82B5nana82B5nana82B6nana82B7nana <tr< th=""><th></th><th></th><th></th></tr<>			
78ACnanana88Dna9a88D43.4188D10089D10089D <th></th> <th></th> <th></th>			
86BDnanana88D247.3843.4188D2nana88D2nana88D3nana88D4nana80D5nana80D6nana80D7nana80D8nana80D7nana80D7nana80D7nana80D7nana80D7nana80D8nana80D9nana80D9nana80D1nana80D1nana80D2nana80D3nana80D6nana80D7nana80D8nana80D8nana80D7nana80D8nana80D7nana80D7nana80D8nana80D7nana80D7nana80D8nana80D7nana80D6nana80D7nana80D7nana80D7nana80D7nana80D7nana80D7nana80D7nana80D7nana80D1nana80D1nana </th <th></th> <th></th> <th></th>			
888Cnanana888Bnanana888Bnanana8815nanana8816nanana8817nanana8818nanana8819nanana8801nanana8802nanana8803nanana8816nanana8817nanana8818nanana8819nanana8819nanana8819nanana8819nanana8819nanana8819nanana8819nanana8819nanana8819nanana8819nanana8819nanana8819nanana8819nanana8819nanana8819nanana8819nanana8819nanana8819nanana8819nanana8911nanana8912nanana8913nanana8914nanana <tr< th=""><th></th><th></th><th></th></tr<>			
868Bnanana861Enana861Enana861Fnana864Fnana864Fnana864Anana864Anana864Anana864Cnana965Cnana964Cnana965Cnana965Cnana966Cnana <tr< th=""><th></th><th></th><th>43.41</th></tr<>			43.41
868En/an/a8615n/an/a8614n/an/a8637n/an/a8638n/an/a8639n/an/a8630n/an/a8631n/an/a8633n/an/a8644n/an/a8645n/an/a8646n/an/a8647n/an/a8647n/an/a8648n/an/a8649n/an/a8649n/an/a8640n/an/a8641n/an/a8641n/an/a8642n/an/a8643n/an/a8644n/an/a8645n/an/a8656n/an/a8657n/an/a8658n/an/a8659n/an/a8659n/an/a8651n/an/a8652n/an/a8654n/an/a8655n/an/a8656n/an/a8657n/an/a8658n/an/a8659n/an/a8659n/an/a8650n/an/a8651n/an/a8652n/an/a8654n/an/a8655n/an/a8656n/an/a8657 </th <th></th> <th></th> <th></th>			
815n/an/a88A.1n/an/a88A.1n/an/a88A.1n/an/a88A.1n/a14.588A.1n/a14.588A.1n/a14.588A.1n/a14.588A.1n/a14.588A.1n/an/a88A.1n/an/a98C.1n/an/a98B.2n/an/a98B.3n/an/a98B.4n/an/a98B.5n/an/a98B.6n/an/a98B.7<			
BéAJn/an/aBAFFn/an/aBAGI1/61/aBAGI4,534,453BACTn/an/aBACTn/an/aBACTn/an/aBACT1/an/aBACTn/an/aBAC			
BEBFn/an/aB6A1n/an/a86A146.5844.5886C1n/an/a86C4n/an/a86C510n/a86C610n/a86C7n/an/a86C846.67n/a96B5n/an/a96B7n/an/a96			
BAIn/an/aBG0346.5044.53BGCFn/an/aBGCAn/an/aBGCAn/an/aBGCAn/an/aBGCBn/an/aBGCBn/an/aBGCAn/an/aBGC			
860344.5644.56967Fn/an/a9614n/an/a9615n/a23.66960146.67n/a960346.67n/a9604n/an/a9605n/an/a9605n/an/a96067n/an/a9607n/an/a96087n/an/a960988n/an/a960999n/an/a96000n/an/a9601n/an/a96020n/an/a9603n/an/a9604n/an/a9605n/an/a9605n/an/a9606n/an/a9607n/an/a9608n/an/a9609n/an/a9610n/an/a9611n/an/a9612n/an/a9613n/an/a9614n/an/a9615n/an/a9616n/an/a9617n/an/a9618n/an/a9619n/an/a9619n/an/a9620n/an/a9631n/an/a9641n/an/a9652n/an/a9653n/an/a9654n/an/a9655n/an/a9656n/an/a<			
96CFn/an/a961An/an/a96014.6.629.8.696014.6.629.8.69610n/an/a9620n/an/a9631n/an/a963210.3n/a963410.3n/a963510.4n/a963610.4n/a96374.4.2539.42851810.410.4861410.410.486154.4.554.4.56861610.44.6.51861710.44.6.51861810.410.4861410.410.4861510.44.6.51861610.410.4861710.410.4861810.410.4861910.410.4861910.410.4861910.410.4861910.410.4861010.410.4861110.410.4862210.410.4863510.410.4864610.410.4864710.410.4864810.410.4864910.410.4864910.410.4864910.410.4864910.410.4864910.410.4864910.410.4864910.410.4864910.410.48649			
981An/an/a98CGn/an/a98CGn/an/a98Dn/an/a98BDn/an/a98BC <th></th> <th>n/a</th> <th></th>		n/a	
901146.628.8698EDN/aN'a98EGN/aN'a98EGN/aN'a98CAN/aN'a98C	961A	n/a	n/a
96BDNaNaNa96BGNaNa96BGNaNa96CANaNa96CANaNa96CCNaNa96CCNaNa96CCNaNa9701NaNa980244.2533.429803NaNa9804NaNa9805NaNa9806NaNa9807NaNa9807NaNa9808NaNa9809NaNa </th <th></th> <th></th> <th></th>			
968GNaNaNa980346.57NaNa9804NaNaNa9805NaNaNa9804NaNaNa980544.2539.428818NaNaNa8817NaNaNa8818NaNaNa8001,446.1541.36801,446.1541.36801,450.8443.56801,450.8443.56801,4NaNa801,4NaNa801,4NaNa801,4NaNa801,4NaNa801,4NaNa801,4NaNa801,4NaNa801,4NaNa801,4NaNa801,4NaNa801,4NaNa801,4NaNa801,4NaNa801,4NaNa802,4NaNa803,5NaNa804,5NaNa805,5NaNa806,6NaNa807,7NaNa808,6NaNa809,7NaNa801,4NaNa802,5NaNa803,6NaNa804,6NaNa804,7NaNa804,6NaNa804,7NaNa			
960346.67n/an/a962Fn/an/an/a962Cn/an/an/a962Cn/a1/an/a962Cn/a1/a1/a9701n/an/an/a9701n/an/a1/a9631n/a1/a1/a96411/a1/a1/a96411/a1/a1/a96411/a1/a1/a96531/a1/a1/a96641/a1/a1/a96741/a1/a1/a96751/a1/a1/a96761/a1/a1/a96771/a1/a1/a96781/a1/a1/a96791/a1/a1/a96741/a1/a1/a96751/a1/a1/a96761/a1/a1/a96771/a1/a1/a96781/a1/a1/a96791/a1/a1/a96791/a1/a1/a96701/a1/a1/a96711/a1/a1/a96721/a1/a1/a96731/a1/a1/a96741/a1/a1/a96751/a1/a1/a96761/a1/a1/a96771/a1/a1/a96781/a1/a1/a <t< th=""><th></th><th></th><th></th></t<>			
96BFn/an/a96CAn/an/a96CAn/an/a96BCn/an/a96BCn/an/a950244.2539.42851Bn/an/a861An/an/a861An/an/a861An/an/a861An/an/a860150.8449.568602n/an/a8603n/an/a8604n/an/a8605n/an/a8606n/an/a8607n/an/a8608n/an/a8619n/an/a8614n/an/a8615n/an/a8616n/an/a8617n/an/a8618n/an/a8619n/an/a8620n/an/a8621n/an/a8625n/an/a8626n/an/a8627n/an/a8628n/an/a8629n/an/a8629n/an/a8621n/an/a8621n/an/a8622n/an/a8633n/an/a8644n/an/a8645sittsitt8651sittsitt8661n/an/a8661n/an/a8671sittsitt			
96CAn/an/a96BCn/a9.42950244.2539.42950244.2539.429503n/an/a95041/an/a7501n/an/a9601A46.1541.369601A60.2449.569603n/an/a8603n/an/a8614n/an/a8603n/an/a8615n/an/a8616n/an/a8603n/an/a8617n/an/a8618n/an/a8619n/an/a8619n/an/a8619n/an/a8620n/an/a8621n/an/a8622n/an/a8623n/an/a8624n/an/a8625n/an/a8626n/an/a8627n/an/a8628n/an/a8629n/an/a8620n/an/a8631n/an/a8642n/an/a8653n/an/a8654n/an/a8654n/an/a8655n/an/a8656n/an/a8657n/an/a8658n/an/a8659n/an/a8659n/an/a86511010 </th <th></th> <th></th> <th></th>			
96BCn/an/a950244.2539.42851Bn/an/a851An/an/a861An/an/a861An/a1.3861A0.541.36861A1.01.0861A1.01.0860A50.8449.56860Bn/a1.0860Bn/a1.0860Bn/a1.0860Bn/a1.0860Bn/a1.0860Bn/a1.0860Bn/a1.0860C49.8745.66860Dn/a1.0860Dn/a1.0860Dn/a1.0860Dn/a1.0860Dn/a1.0860Dn/a1.0860Dn/a1.0860Dn/a1.0860Dn/a1.0860Dn/a1.0860Dn/a1.0860Dn/a1.0860Dn/a1.0860An/a1.0860Bn/a1.0860Bn/a1.0860Bn/a1.0860Bn/a1.0860Bn/a1.0860Bn/a1.0860Bn/a1.0860Bn/a1.0860Bn/a1.0860Bn/a1.0860Bn/a1.0860Bn/a1.0			
950244.2594.425851BN/aN/a7501N/aN/a7501N/aN/a9607A46.1541.369607A46.1541.36650150.8449.566502N/aN/a6503N/aN/a5614N/aN/a5615N/aN/a5616N/aN/a6682N/aN/a6681N/aN/a6682N/aN/a6682N/aN/a6684N/aN/a6685N/aN/a6686N/aN/a6687N/aN/a6687N/aN/a6687N/aN/a6691N/aN/a6602N/aN/a6603N/aN/a6604N/aN/a6605N/aN/a6606N/aN/a6607N/aN/a6608N/aN/a6609N/aN/a6601N/aN/a6614N/aN/a6625N/aN/a6636N/aN/a6641N/aN/a6642N/aN/a6705N/aN/a684346.65680448.5446.6568041/aN/a690348.7745.26904N/aN/a69051.43N/a </th <th></th> <th></th> <th></th>			
B1Bn/an/a7501n/an/a801An/an/a801An/an/a801A6.1541.36650150.8449.566502n/an/a6603n/an/a6603n/an/a551Gn/an/a561En/an/a668Fn/an/a668Fn/an/a668Fn/an/a660249.8745.066605n/an/a6607n/an/a6607n/an/a6608n/an/a6609n/an/a6601n/an/a6602n/an/a6603n/an/a6604n/an/a6605n/an/a6606n/an/a6607n/an/a6608n/an/a6609n/an/a6601n/an/a6602n/an/a6603n/an/a6604n/an/a6605n/an/a6606n/an/a6607n/an/a6608n/an/a6609n/an/a6609n/an/a6609n/an/a6609n/an/a6609n/an/a6609n/an/a6609n/an/a			
7501n/an/a9601A46.1541.369601A46.1541.369601A46.1541.366502n/an/a6503n/an/a6504n/an/a5616n/an/a5617n/an/a6682n/an/a6684n/an/a6685n/an/a6685n/an/a6686n/an/a6687n/an/a6687n/an/a6687n/an/a6691n/an/a6601n/an/a6502n/an/a6503n/an/a6504n/an/a6505n/an/a6506n/an/a6507n/an/a6508n/an/a6518n/an/a6519n/an/a6510n/an/a6511n/an/a6512n/an/a6513n/an/a6514n/an/a6515n/an/a6516n/an/a6517n/an/a6518n/an/a6519n/an/a651450.3145.316515n/a1.426516n/a1.43651745.321.436518n/a1.43651945.42	851B		
9601A46.1541.36650150.8449.566502n/an/a6503n/an/a5111n/an/a5112n/an/a5114n/an/a6882n/an/a6892n/an/a6893n/an/a6894n/an/a6895n/an/a6802n/an/a6803n/an/a6804n/an/a6805n/an/a6807n/an/a6808n/an/a6809n/an/a6801n/an/a6802n/an/a6803n/an/a6804n/an/a6805n/an/a6807n/an/a6808n/an/a6809n/an/a6801n/an/a6802n/an/a6803n/an/a6804n/an/a6805n/an/a6806n/an/a6807n/an/a6808n/an/a6809n/an/a6801n/an/a680348.3446.656804101068051010780153.3445.18780154.1410780355.177.62780355.1410.4 <th>7501</th> <th>n/a</th> <th>n/a</th>	7501	n/a	n/a
650150.8449.566502n/an/a6603n/an/a6603n/an/a651Gn/an/a551Fn/an/a661Fn/an/a662En/an/a663En/an/a6640n/an/a6651n/an/a665249.8745.066701n/an/a6601n/an/a6601n/an/a6701n/an/a5702n/an/a6703n/an/a5704n/an/a5705n/an/a5705n/an/a5706n/an/a5707n/an/a5818n/an/a5819n/an/a5819n/an/a5810n/an/a5810n/an/a5811n/an/a581250.2347.535907n/an/a581360.348.34581430.546.425705n/an/a5816n/an/a5908n/an/a680148.3446.65680348.3446.626705n/an/a781153.3449.07781150.3341.81780150.4345.21780150.4445.637803<			
6502n/an/a6503n/an/a5616n/an/a5617n/an/a5618n/an/a5618n/an/a6802n/an/a660249.8745.065600n/an/a6601n/an/a6602n/an/a6601n/an/a6602n/an/a6603n/an/a6604n/an/a6605n/an/a6605n/an/a6606n/an/a6607n/an/a6608n/an/a6609n/an/a6601n/an/a6602n/an/a6603n/an/a6604n/an/a6605n/an/a6605n/an/a6606n/an/a6607n/an/a6608n/an/a6609n/an/a6601n/an/a6601n/an/a6602n/an/a6603aa6704n/an/a680348.3446.656705n/an/a790153.3449.07791153.3449.0779256.0251.4379356.1451.2479455.1747.62795356.1451.2			41.36
6603n/an/an/a5611Gn/an/a5611Fn/an/a5611En/an/a6682Fn/an/a668249.8745.06560249.8745.066601n/an/a660249.8745.065601n/an/a660210/an/a6603n/an/a6604n/an/a6605n/an/a6606n/an/a6607n/an/a5608n/an/a5609n/an/a5618n/an/a661n/an/a5619n/an/a5610n/an/a5611n/an/a561250.2347.535707n/an/a5806n/an/a5907n/an/a5908n/an/a690156.1550.97690348.0546.42690448.05n/a6905n/an/a790153.3446.18790148.07n/a780148.050.766962n/a1.22790155.3449.07780148.050.76696349.07780148.053.7669641.241.2479751.341.347981.431.43 <tr< th=""><th></th><th></th><th></th></tr<>			
561Gn/an/a561Fn/an/a561Fn/an/a561BEn/an/a66BEn/an/a66D1n/an/a6601n/an/a6601n/an/a6601n/an/a56CCn/an/a56C1n/an/a56C2n/an/a56C3n/an/a56C4n/an/a56C5n/an/a561An/an/a561Bn/an/a561Bn/an/a561Bn/an/a561Bn/an/a561Gn/an/a561An/an/a561Bn/an/a562Gn/an/a563Gn/an/a56450.2347.535907n/an/a5906n/an/a690156.1550.97600348.3446.65600148.05n/a690150.8346.18790145.2790145.65790146.25790146.25790250.8346.18790348.7745.2790448.5630.78791448.5630.7879256.0251.4379356.1451.2479456.1551.3779556.1451.2479			
561Fn/an/a658En/an/a668En/an/a660249.8745.066601n/an/a6601n/an/a6601n/an/a6601n/an/a6601n/an/a6601n/an/a6601n/an/a6601n/an/a6601n/an/a6601n/an/a5618n/an/a6611n/an/a5618n/an/a6611n/an/a6611n/an/a6612n/an/a6613n/an/a6614n/an/a661550.2347.536705n/an/a690156.1550.97690348.3446.65690148.0546.42690150.3346.18690148.05n/a690150.3346.18690148.05n/a690348.7745.2690448.05n/a790453.3449.07780148.7745.2690348.7745.2690448.05n/a790450.251.436905n/a16.26906n/an/a790155.177.62690355.4151.24690410/a10/a <th></th> <th></th> <th></th>			
Sellen/an/a66BEn/an/a66BFn/an/a660249.8745.0656CDn/an/a6601n/an/a6601n/an/a6601n/an/a56CCn/an/a56CCn/an/a56CCn/an/a56CCn/an/a56CBn/an/a56CBn/an/a56CBn/an/a56CCn/an/a56CBn/an/a56CCn/an/a56CCn/an/a56CCn/an/a56CCn/an/a56CCn/an/a56CCn/an/a56CCn/an/a56CCn/an/a56CCn/an/a56CCn/an/a58CCn/an/a58CCn/an/a58CCn/an/a58CCn/an/a58CCn/an/a5906n/an/a5907n/an/a5908n/an/a680348.3446.65680148.05n/a790153.3449.07780148.05n/a780148.05n/a780348.7745.2780448.6630.78568Fn/an/a79256.02			
66BENaNaNa660249.8745.0656CDnana6601nana6601nana6601nana6601nana6601nana6601nana6601nana6601nana6601nana6601nana5602nana5603nana5618nana661nana5618nana661nana661nana5618nana5619nana5610nana5611nana5612nana5613sonna5614nana561550.37na5616nana5617sonson5618nana5619nana5611sonson5611sonson5612nason5613sonson5614nason5615sonson5702sonson5703sonson5704sonson5704sonson5705nason5705nason5702sonson5702 <th></th> <th></th> <th></th>			
66BFNaNaNa660249.8745.0656CDNaNa6601NaNa6601NaNa6601NaNa6601NaNa56CCNaNa56CCNaNa56CBNaNa561ANaNa561BNaNa66C1NaNa581C50.2347.535907NaNa5908NaNa5908NaNa680148.3446.65680148.3446.65680348.3446.656804NaNa790150.3346.18790153.3449.07780148.05Na780448.05Na780448.5630.78588FNaNa79355.1751.23586FNaNa780448.5630.78588FNaNa79355.1747.53581F50.2347.53581F50.2347.53581F50.2347.53581F50.2347.53581F50.2347.53581F50.2347.53581F50.2347.53581F50.2347.53581F50.2347.53581F50.2347.53581F50.2347.53 <th></th> <th></th> <th></th>			
660249.8745.0656CDn/an/a6601n/an/a6601n/an/a6601n/an/a6602n/an/a56CCn/an/a56CBn/an/a56CBn/an/a561Bn/an/a66C1n/an/a586Gn/an/a581Bn/an/a586Gn/an/a586Gn/an/a5907n/an/a5908n/an/a5908n/an/a680166.1550.97680348.3446.65680148.05n/a790153.3449.07780148.05n/a8804n/an/a870382.0149.2870448.0530.78568Fn/an/a790153.3445.2870352.0149.2870487.745.2870355.6430.78568Fn/an/a70455.6451.74570256.0251.43571747.62580355.6451.74581450.2347.53581550.2347.535816n/a1/a581750.2347.53581850.2347.53581950.2347.53581150.2347.53<	66BF	n/a	n/a
6601n/an/a650Jn/an/a650Cn/an/a56CCn/an/a56CBn/an/a56CBn/an/a561Bn/an/a66C1n/an/a66C2n/an/a66C3n/an/a561Bn/an/a561C50.2347.53581C50.2347.535907n/an/a5908n/an/a5908n/a64.22680148.3446.65680148.0546.426705n/a46.25670448.05n/a780148.05n/a880348.7745.2880348.7745.2880352.0130.78568En/an/a780148.5630.78568En/an/a780148.5630.78568En/an/a780348.7745.2880352.0130.78568En/an/a780152.0251.43568Hn/an/a570256.0251.43571450.2347.53581550.2347.535816n/an/a572151.7747.62581750.2347.53581850.2347.53591950.2347.53591450.2	6602	49.87	45.06
66D.Jn/an/a56CCn/an/a56CCn/an/a56CBn/an/a56CBn/an/a561An/an/a561Bn/an/a561Cn/an/a561Bn/an/a561Cn/an/a561Cn/an/a561Cn/an/a581C50.2347.535907n/an/a5908n/an/a690150.1550.97680348.3446.65680148.0546.42670250.8346.18701148.05n/a8804n/an/a880352.0149.07780148.5530.7856BFn/an/a880352.0149.256BFn/an/a56BFn/an/a570256.0251.435704n/an/a8804n/an/a56BFn/a1.2456BFn/a1.24570250.0251.43570451.7147.62580550.2347.53581650.2347.53581751.2451.77581850.2347.53581950.2347.53581150.2347.53581250.2347.53581451.7751.62581550.23			
56CC         n/a         n/a           56C1         n/a         n/a           56C8         n/a         n/a           56C9         n/a         n/a           5611         n/a         n/a           5612         n/a         n/a           5616         n/a         n/a           66C1         n/a         n/a           5616         n/a         n/a           5617         50.23         47.53           5816         n/a         n/a           5907         n/a         n/a           5907         n/a         n/a           5907         n/a         n/a           5908         n/a         n/a           6901         56.15         50.97           6803         48.34         46.65           6702         50.83         46.18           6702         50.83         46.18           7901         53.34         49.07           7801         48.05         n/a           7803         48.77         45.2           8704         48.56         30.78           568E         n/a         n/a <t< th=""><th></th><th></th><th></th></t<>			
56Cl         n/a         n/a           56CB         n/a         n/a           561A         n/a         n/a           561A         n/a         n/a           561B         n/a         n/a           561C         n/a         n/a           561C         n/a         n/a           561C         n/a         n/a           561C         50.23         47.53           5907         n/a         n/a           5906         n/a         n/a           5906         n/a         n/a           6901         56.15         50.97           6803         48.34         46.65           6801         48.05         46.42           6705         n/a         46.25           6705         n/a         46.25           6704         48.05         n/a           7901         53.34         46.18           7901         48.05         n/a           8004         n/a         n/a           8703         42.71         45.2           803         52.01         49.2           8704         48.56         30.78			
56CB         n/a         n/a           561A         n/a         n/a           561B         n/a         n/a           66CI         n/a         n/a           66CI         n/a         n/a           58BC         n/a         n/a           58BC         n/a         n/a           5907         n/a         n/a           5906         n/a         n/a           5907         n/a         n/a           5906         n/a         n/a           5907         n/a         n/a           5906         n/a         n/a           5907         n/a         n/a           5908         n/a         n/a           6901         56.15         50.97           6803         48.34         46.65           6705         n/a         46.25           6702         50.83         46.18           7901         43.05         n/a           8804         n/a         n/a           7803         48.77         45.2           8803         52.01         49.2           56BF         n/a         n/a           702			
561A         n/a         n/a           561B         n/a         n/a           561B         n/a         n/a           561C         n/a         n/a           568G         n/a         n/a           568G         n/a         n/a           5907         n/a         n/a           5906         n/a         n/a           5907         n/a         n/a           5906         n/a         n/a           5907         n/a         n/a           5908         n/a         n/a           6901         56.15         50.97           6803         48.34         46.65           6801         48.05         n/a           6901         50.83         46.18           7901         53.34         49.07           7801         48.05         n/a           803         52.01         49.2           803         52.01         49.2           803         52.01         49.2           804         n/a         n/a           568F         n/a         1.43           568F         n/a         1.43           5702			
561B     n/a     n/a       66C1     n/a     n/a       568G     n/a     n/a       588G     n/a     n/a       581C     50.23     47.53       5907     n/a     n/a       5906     n/a     n/a       5908     n/a     n/a       6901     56.15     50.97       6803     48.34     46.65       6801     48.05     46.42       6705     n/a     46.25       6704     48.05     46.42       6705     n/a     46.25       6704     48.05     n/a       7801     48.05     n/a       8804     n/a     n/a       8703     48.77     45.2       8803     52.01     49.2       8803     52.01     49.2       8804     n/a     n/a       56BF     n/a     n/a       56BF     n/a     n/a       56BF     n/a     n/a       5702     56.02     51.43       581A     55.17     47.62       581A     55.17     47.62       581A     55.17     51.43       581F     50.23     47.53       581F     50.23			
66Cl         n/a         n/a           56BG         n/a         n/a           581C         50.23         47.53           5907         n/a         n/a           5906         n/a         n/a           5907         n/a         n/a           5906         n/a         n/a           5908         n/a         n/a           6901         56.15         50.97           6803         48.34         46.65           6801         48.05         46.42           6705         n/a         46.25           6702         50.83         46.18           7901         53.34         49.07           7801         48.05         n/a           8703         48.77         45.2           8804         n/a         n/a           8704         48.56         30.78           56BE         n/a         n/a           56BF         n/a         n/a           56BH         n/a         n/a           5702         56.02         51.43           5810         50.23         47.53           5811         50.23         47.53      <			
56BG         n/a         n/a           501C         50.23         47.53           5907         n/a         n/a           5906         n/a         n/a           6901         56.15         50.97           6803         48.34         46.65           6801         48.05         46.42           6705         n/a         46.25           6706         50.83         49.07           7801         48.05         n/a           8804         n/a         16           8703         48.77         45.2           8803         52.01         49.2           8704         48.56         30.78           56BE         n/a         n/a           7604         48.56         30.78           56BF         n/a         n/a           56BH         n/a         n/a           5604         n/a         14           517         47.62           5810         50.23         47.53           5811         50.23         47.53           5812         50.23         47.53           5902         56.84         52.16 <td< th=""><th>66CI</th><th>n/a</th><th>n/a</th></td<>	66CI	n/a	n/a
5907         n/a         n/a           5906         n/a         n/a           6901         56.15         50.97           6803         48.34         46.65           6801         48.05         46.42           6705         n/a         46.25           6702         50.83         46.18           7901         53.34         49.07           7801         48.05         n/a           8804         n/a         n/a           8703         48.77         45.2           8803         52.01         49.2           8704         48.56         30.78           56BE         n/a         n/a           56BF         n/a         n/a           56BF         n/a         n/a           5702         56.02         51.43           581A         55.17         47.62           5803         55.64         51.24           581D         50.23         47.53           581F         50.23         47.53           5901         57.21         51.77           581F         50.23         47.53           5901         57.21         51.77 </th <th>56BG</th> <th>n/a</th> <th>n/a</th>	56BG	n/a	n/a
5906         n/a         n/a           5908         n/a         n/a           6801         56.15         50.97           6803         48.34         46.65           6801         48.05         46.42           6705         n/a         46.25           6702         50.83         46.18           7901         53.34         49.07           7801         48.05         n/a           8804         n/a         n/a           8703         48.77         45.2           8803         52.01         49.2           8704         48.56         30.78           56BE         n/a         n/a           56BF         n/a         n/a           56BH         n/a         n/a           5702         56.02         51.43           5604         n/a         n/a           5702         56.42         51.24           581F         50.23         47.53           581F         50.23         47.53           581F         50.23         47.53           581F         50.23         47.53           5901         57.21         51.77			
5908         n/a         n/a           6901         56.15         50.97           6803         48.34         46.65           6801         48.05         46.42           6705         n/a         46.25           6702         50.83         46.18           7901         53.34         49.07           7801         48.05         n/a           8804         n/a         n/a           8703         48.77         45.2           8803         52.01         49.2           8704         48.56         30.78           56BE         n/a         n/a           56BF         n/a         n/a           56BF         n/a         n/a           5702         56.02         51.43           5810         50.23         47.53           5811         50.23         47.53           5812         50.23         47.53           5902         56.84         52.16           5901         57.21         51.77           551A         n/a         n/a           561C         n/a         n/a           5610         58.99         49.55			
6801         56.15         50.97           6803         48.34         46.65           6801         48.05         46.42           6705         n/a         46.25           6702         50.83         46.18           7901         53.34         49.07           7801         48.05         n/a           8804         n/a         n/a           8703         48.77         45.2           8803         52.01         49.2           8704         48.56         30.78           66BF         n/a         n/a           56BE         n/a         n/a           56BF         n/a         n/a           5604         n/a         n/a           5702         56.02         51.43           581A         55.17         47.62           5803         55.64         51.24           581F         50.23         47.53           581F         50.23         47.53           581E         50.23         47.53           5902         56.84         52.16           5901         57.21         51.77           51A         n/a         n/a <th></th> <th></th> <th></th>			
6803         48.34         46.65           6801         48.05         46.42           6705         n/a         46.25           6702         50.83         46.18           7901         53.34         49.07           7801         48.05         n/a           8804         n/a         n/a           8703         48.77         45.2           8803         52.01         49.2           8704         48.56         30.78           66BE         n/a         n/a           56BF         n/a         n/a           56BH         n/a         n/a           56BH         n/a         n/a           5604         n/a         n/a           5702         56.02         51.43           581A         55.17         47.62           5803         55.64         51.24           581D         50.23         47.53           581E         50.23         47.53           5902         56.84         52.16           5901         57.21         51.77           551A         n/a         n/a           561C         n/a         n/a			
6801     48.05     46.42       6705     n/a     46.25       6702     50.83     46.18       7901     53.34     49.07       7801     48.05     n/a       8804     n/a     n/a       8703     48.77     45.2       8803     52.01     49.2       8704     48.56     30.78       56BE     n/a     n/a       56BF     n/a     n/a       56BF     n/a     n/a       5604     n/a     n/a       5702     56.02     51.43       581A     55.17     47.62       581B     50.23     47.53       581F     50.23     47.53       5902     56.84     52.16       5901     57.21     51.77       551A     n/a     n/a       561C     n/a     n/a       561D     n/a     n/a       561D     n/a     n/a       561D     n/a     n/a       561D <t< th=""><th></th><th></th><th></th></t<>			
6705       n/a       46.25         6702       50.83       46.18         7901       53.34       49.07         7801       48.05       n/a         8804       n/a       n/a         8703       48.77       45.2         8803       52.01       49.2         8704       48.56       30.78         8605       n/a       n/a         8704       48.56       30.78         568E       n/a       n/a         568F       n/a       n/a         568F       n/a       n/a         568H       n/a       n/a         5604       n/a       n/a         5702       56.02       51.43         581A       55.17       47.62         581D       50.23       47.53         581F       50.23       47.53         5902       56.84       52.16         5901       57.21       51.77         51A       n/a       n/			
6702     50.83     46.18       7901     53.34     49.07       7801     48.05     n/a       8804     n/a     n/a       8703     48.77     45.2       8803     52.01     49.2       8704     48.56     30.78       56BE     n/a     n/a       56BF     n/a     n/a       56BH     n/a     n/a       5604     n/a     n/a       5702     56.02     51.43       5810     55.64     51.24       5811     50.23     47.53       5812     50.23     47.53       5814     50.23     47.53       5902     56.84     52.16       5901     57.21     51.77       551A     n/a     n/a       5602     55.89     49.55       5610     n/a     n/a       5602     55.89     49.55       5610     n/a     n/a       5610     n/a     n/a       5610     n/a     n/a       5602     55.89     49.55       5610     n/a     n/a       5602     55.89     49.55       5610     n/a     n/a       5602     55.8	6705	n/a	46.25
7801     48.05     n/a       8804     n/a     n/a       8703     48.77     45.2       8803     52.01     49.2       8704     48.56     30.78       56BE     n/a     n/a       56BF     n/a     n/a       5664     n/a     n/a       5684     n/a     n/a       5684     n/a     n/a       5684     n/a     n/a       5684     n/a     n/a       5604     n/a     n/a       5702     56.02     51.43       581A     55.17     47.62       5803     55.64     51.24       581F     50.23     47.53       581E     50.23     47.53       5901     57.21     51.77       551A     n/a     n/a       5901     57.21     51.77       561C     n/a     n/a       561D     n/a     n/a       5602     55.89     49.55       561D     n/a     n/a       560C     n/a     14       560B     n/a     14       560C     n/a     14       560B     n/a     14       560B     n/a     14   <	6702	50.83	46.18
8804         n/a         n/a           8703         48.77         45.2           8803         52.01         49.2           8704         48.56         30.78           56BE         n/a         n/a           56BF         n/a         n/a           5604         n/a         n/a           5702         56.02         51.43           5702         56.02         51.43           581A         55.17         47.62           5803         55.64         51.24           581D         50.23         47.53           581E         50.23         47.53           5901         57.21         51.77           5902         56.84         52.16           5901         57.21         51.77           551A         n/a         1/a           5602         56.84         52.16           5901         57.21         51.77           561C         n/a         1/a           5602         55.89         49.55           561D         n/a         1/a           5602         55.89         49.55           561D         n/a         1/a			
8703       48.77       45.2         8803       52.01       49.2         8704       48.56       30.78         56BE       n/a       n/a         56BF       n/a       n/a         56BH       n/a       n/a         5604       n/a       n/a         5702       56.02       51.43         581A       55.17       47.62         5803       55.64       51.24         581D       50.23       47.53         581F       50.23       47.53         581F       50.23       47.53         581E       50.23       47.53         5902       56.84       52.16         5901       57.21       51.77         551A       n/a       n/a         5602       55.89       49.55         561C       n/a       n/a         5602       55.89       49.55         561D       n/a       n/a         5602       55.89       49.55         561D       n/a       n/a         5602       55.89       49.55         561D       n/a       n/a         560B       n/a			
8803         52.01         49.2           8704         48.56         30.78           56BE         n/a         n/a           56BF         n/a         n/a           56BH         n/a         n/a           5604         n/a         n/a           5702         56.02         51.43           581A         55.17         47.62           5803         55.64         51.24           581D         50.23         47.53           581F         50.23         47.53           581E         50.23         47.53           5902         56.84         52.16           5901         57.21         51.77           551A         n/a         n/a           5602         55.89         49.55           561C         n/a         n/a           5602         55.89         49.55           561D         n/a         n/a           5602         55.89         49.55           561D         n/a         n/a           5602         55.89         49.55           561D         n/a         n/a           560DC         n/a         n/a </th <th></th> <th></th> <th></th>			
8704     48.56     30.78       56BE     n/a     n/a       56BF     n/a     n/a       56BH     n/a     n/a       5604     n/a     n/a       5702     56.02     51.43       581A     55.17     47.62       5803     55.64     51.24       581D     50.23     47.53       581F     50.23     47.53       581F     50.23     47.53       581E     50.23     47.53       5902     56.84     52.16       5901     57.21     51.77       551A     n/a     n/a       5602     55.89     49.55       561D     n/a     n/a       5602     55.89     49.55       561D     n/a     n/a       560C     n/a     n/a       560B     n/a     49.43			
56BE         n/a         n/a           56BF         n/a         n/a           56BH         n/a         n/a           5604         n/a         n/a           5702         56.02         51.43           581A         55.17         47.62           5803         55.64         51.24           581D         50.23         47.53           581F         50.23         47.53           581E         50.23         47.53           5902         56.84         52.16           5901         57.21         51.77           551A         n/a         n/a           5602         55.89         49.55           561D         n/a         n/a           560C         n/a         n/a           56DB         n/a         n/a           5603         53.54         49.43			
56BF         n/a         n/a           56BH         n/a         n/a           5604         n/a         n/a           5702         56.02         51.43           581A         55.17         47.62           5803         55.64         51.24           581D         50.23         47.53           581F         50.23         47.53           581E         50.23         47.53           5902         56.84         52.16           5901         57.21         51.77           551A         n/a         n/a           5602         55.89         49.55           561D         n/a         n/a           560C         n/a         n/a           560B         n/a         n/a           5603         53.54         49.43			
56BHn/an/a5604n/an/a570256.0251.43581A55.1747.62580355.6451.24581D50.2347.53581F50.2347.53581E50.2347.53590256.8452.16590157.2151.77551An/an/a561Cn/an/a561Dn/an/a561Dn/an/a561Dn/an/a560255.8949.55561Dn/an/a560Cn/an/a560Bn/an/a560353.5449.43			
5604n/an/a570256.0251.43581A55.1747.62580355.6451.24581D50.2347.53581F50.2347.53581E50.2347.53590256.8452.16590157.2151.77551An/an/a560255.8949.55561Dn/an/a560Cn/an/a560Bn/an/a560353.5449.43			
570256.0251.43581A55.1747.62580355.6451.24581D50.2347.53581F50.2347.53581E50.2347.53590256.8452.16590157.2151.77551An/an/a560255.8949.55561Dn/an/a560Cn/an/a56DBn/an/a560353.5449.43	5604	n/a	n/a
581A55.1747.62580355.6451.24581D50.2347.53581F50.2347.53581E50.2347.53590256.8452.16590157.2151.77551An/an/a560255.8949.55561Dn/an/a56DBn/an/a560353.5449.43	5702	56.02	51.43
581D50.2347.53581F50.2347.53581E50.2347.53590256.8452.16590157.2151.77551An/an/a561Cn/an/a560255.8949.55561Dn/an/a56DCn/an/a56DBn/an/a560353.5449.43			47.62
581F50.2347.53581E50.2347.53590256.8452.16590157.2151.77551An/an/a561Cn/an/a560255.8949.55561Dn/an/a56DCn/an/a56DBn/an/a560353.5449.43			
581E50.2347.53590256.8452.16590157.2151.77551An/an/a561Cn/an/a560255.8949.55561Dn/an/a56DCn/an/a56DBn/an/a560353.5449.43			
590256.8452.16590157.2151.77551An/an/a561Cn/an/a560255.8949.55561Dn/an/a56DCn/an/a56DBn/an/a560353.5449.43			
590157.2151.77551An/an/a561Cn/an/a560255.8949.55561Dn/an/a56DCn/an/a56DBn/an/a560353.5449.43			
551An/an/a561Cn/an/a560255.8949.55561Dn/an/a56DCn/an/a56DBn/an/a560353.5449.43			
561C       n/a       n/a         5602       55.89       49.55         561D       n/a       n/a         56DC       n/a       n/a         56DB       n/a       n/a         5603       53.54       49.43			
5602       55.89       49.55         561D       n/a       n/a         56DC       n/a       n/a         56DB       n/a       n/a         5603       53.54       49.43			
561D       n/a       n/a         56DC       n/a       n/a         56DB       n/a       n/a         5603       53.54       49.43			
56DB         n/a         n/a           5603         53.54         49.43	561D	n/a	n/a
5603 53.54 49.43			
ilities Ltd. Property Searches, PO Box 3189, Slough SI 1 4W, DX 151280, Slough 13			49.43

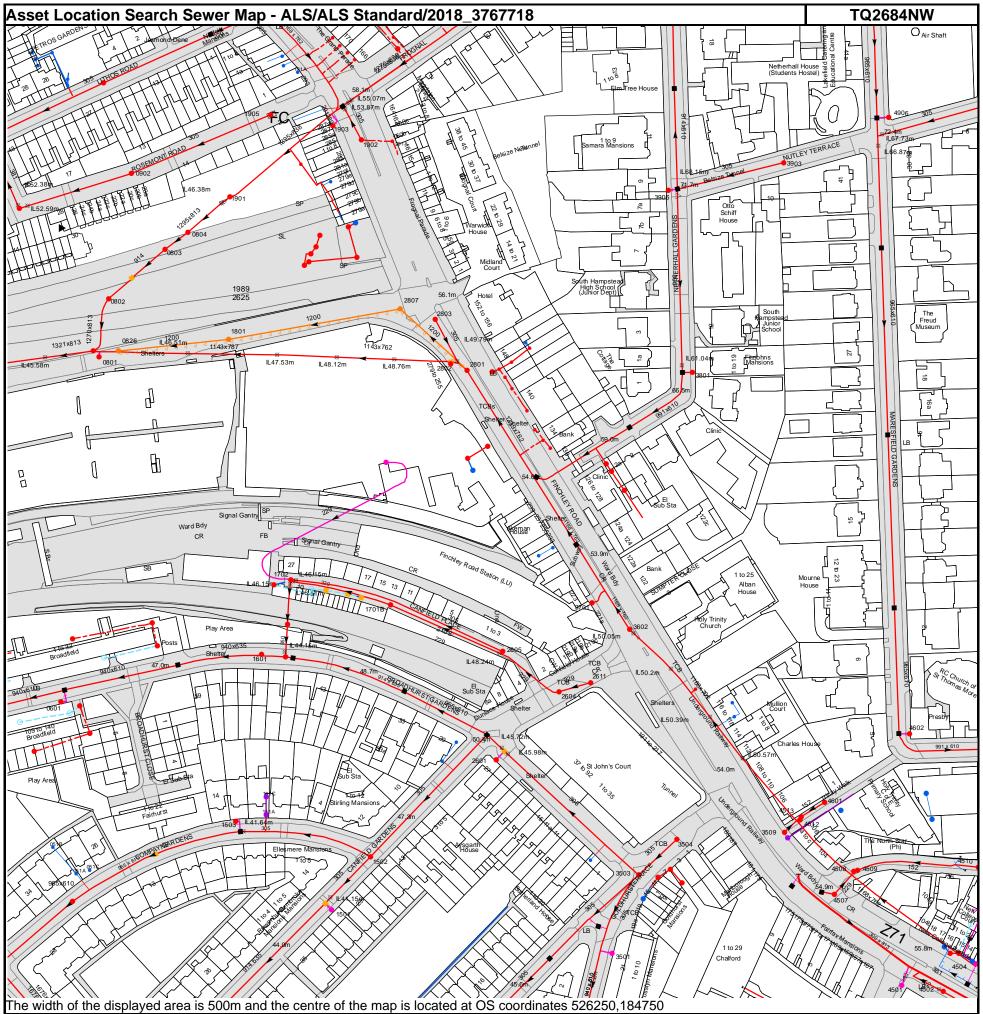
Thames Water Utilities Ltd, Property Searches, PO Box 3189, Slough SL1 4W, DX 151280 Slough 13 T 0845 070 9148 E searches@thameswater.co.uk I www.thameswater-propertysearches.co.uk

Page 10 of 24

Manhole Reference	Manhole Cover Level	Manhole Invert Level
56DA	n/a	n/a
56CJ	n/a	n/a
5502	52.33	50.48
56DD	n/a	n/a
9802	53.42	48.16
8805	52.9	50.57
9901	53.22	49.09
9902	54.18	49.87
9903	55.25	51.37
7902	53.14	48.56

The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.

Thames Water Utilities Ltd, Property Searches, PO Box 3189, Slough SL1 4W, DX 151280 Slough 13 T 0845 070 9148 E searches@thameswater.co.uk I www.thameswater-propertysearches.co.uk



The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.

Based on the Ordnance Survey Map with the Sanction of the controller of H.M. Stationery Office, License no. 100019345 Crown Copyright Reserved.

<u>Thames Water Utilities Ltd</u>, Property Searches, PO Box 3189, Slough SL1 4W, DX 151280 Slough 13 T 0845 070 9148 E <u>searches@thameswater.co.uk</u> I <u>www.thameswater-propertysearches.co.uk</u>

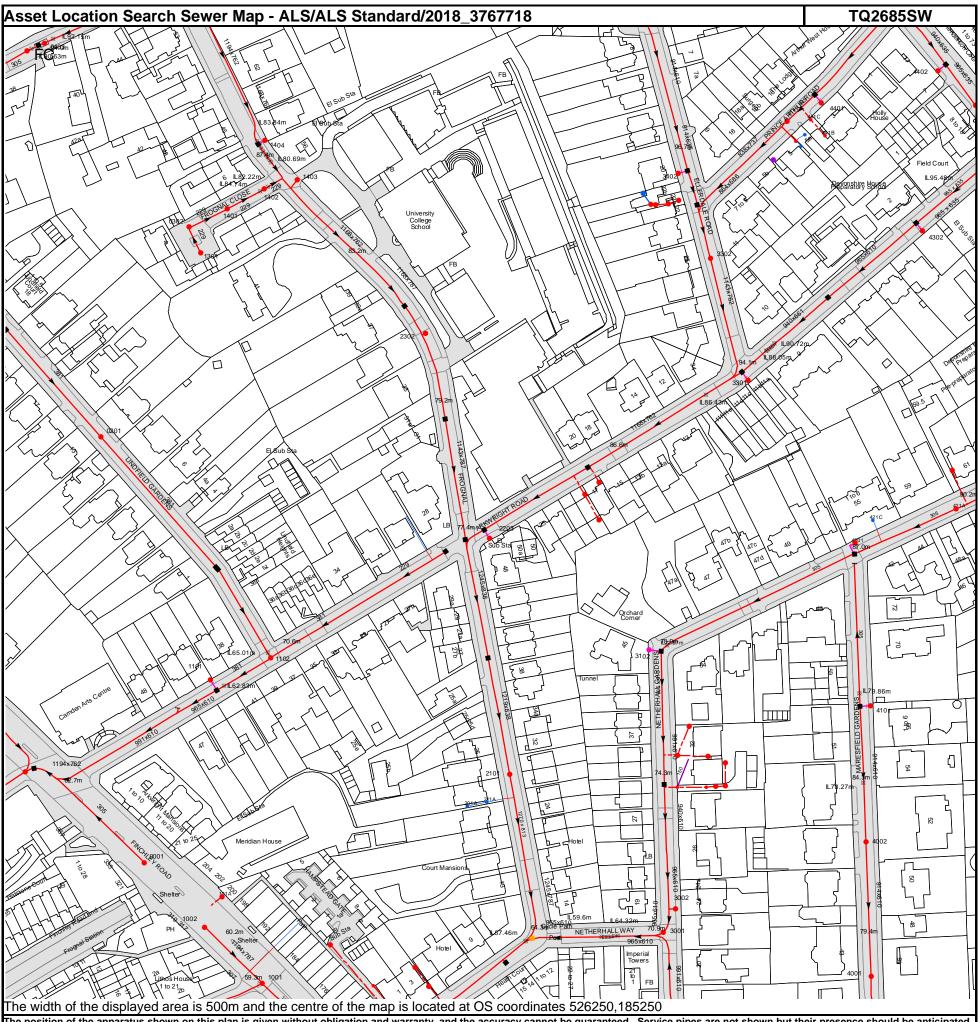
Manhole Reference	Manhole Cover Level	Manhole Invert Level
4906	n/a	n/a
4501	54.71	n/a
4602	n/a	n/a
46AI 45DG	n/a n/a	n/a
4502	55.61	n/a 49.91
45DC	n/a	n/a
45DA	n/a	n/a
45CJ	n/a	n/a
45CI	n/a	n/a
45DB	n/a	n/a
4504 4510	56.29 61.48	51.57
35BJ	n/a	n/a n/a
4507	54.72	53.27
35CD	n/a	n/a
35CB	n/a	n/a
4508	56.38	53.21
4509 35CC	56.52 n/a	55.45 n/a
3504	52.33	48.88
451A	n/a	n/a
3509	54.32	52.46
4512	55.99	50.83
4513	55.96	52.38
45EF	n/a	n/a
261B 261A	n/a n/a	n/a n/a
261A 2601	n/a n/a	n/a n/a
2605	52.05	50.07
271B	n/a	n/a
271C	n/a	n/a
2604	52.67	48.54
2611	53.12	49.01
3701 3705	n/a n/a	n/a n/a
3706	n/a	n/a
3602	53.34	52.43
361A	n/a	n/a
361B	n/a	n/a
361C	n/a	n/a
4601	58.43	57.79
2803 2802	55.99 n/a	52.04 n/a
2801	55.4	49.44
27CJ	n/a	n/a
27CI	n/a	n/a
27DA	n/a	n/a
28CI	n/a	n/a
28CH 281C	n/a n/a	n/a n/a
28CG	n/a	n/a
281B	n/a	n/a
28CE	n/a	n/a
281A	n/a	n/a
28CF	n/a	n/a
271E 271D	n/a n/a	n/a n/a
271D 271A	n/a	n/a
3704	n/a	n/a
3906	n/a	n/a
3801	n/a	n/a
3903	72.04	69.19 p/2
3501 1501	n/a 45.13	n/a n/a
3503	50.97	47.23
351A	n/a	n/a
1502	46.46	42.31
1503	n/a	n/a
151A	n/a	n/a
161C 161B	n/a n/a	n/a n/a
1601	47.44	43.74
06BH	n/a	n/a
161A	n/a	n/a
06BE	n/a	n/a
1701B 17BD	50.28 p/2	47.36 n/a
17BD 17BE	n/a n/a	n/a n/a
17BC	n/a	n/a
1702	48.6	n/a
1703	n/a	n/a
1801	49.02	46.5
2807	55.9	48.57
18AH	n/a	n/a
18AG 18AD	n/a	n/a n/a
18AD 18AJ	n/a n/a	n/a n/a
0803	49.12	46.09
18AI	n/a	n/a
tilities Ltd. Property Searches, PO Box 3189. Slough SL1		

Thames Water Utilities Ltd, Property Searches, PO Box 3189, Slough SL1 4W, DX 151280 Slough 13 T 0845 070 9148 E searches@thameswater.co.uk I www.thameswater-propertysearches.co.uk

Page 13 of 24

Manhole Reference	Manhole Cover Level	Manhole Invert Level
18BB	n/a	n/a
0804	51.78	46.19
18AE	n/a	n/a
18AF	n/a	n/a
1901	56	50.41
191C	n/a	n/a
191D	n/a	n/a
291A	n/a	n/a
1902	57.86	54.02
06BG	n/a	n/a
06BB	n/a	n/a
0801	50.19	n/a
0826	49.4	46.13
auto	n/a	n/a
0802	49.31	45.87
06AF	n/a	n/a
06AJ	n/a	n/a
0601	n/a	n/a
06AG	n/a	n/a
06AH	n/a	n/a
06BA	n/a	n/a
auto	n/a	n/a
051A	n/a	n/a
051A 051C		
	n/a	n/a
051B	n/a	n/a
1905	58.3	55.92
191H	n/a	n/a
191B	n/a	n/a
191A	n/a	n/a
1903	n/a	n/a
1911	n/a	n/a
191G	n/a	n/a
191F	n/a	n/a
191E	n/a	n/a
1916	n/a	n/a
2901	n/a	n/a
091A	n/a	n/a
0902	57.55	53.8
091C	n/a	n/a
091B	n/a	n/a
091H	n/a	n/a
091F	n/a	n/a
091E	n/a	n/a
091D	n/a	n/a
091G	n/a	n/a
		d the accuracy cannot be guaranteed. Service pipes are no y Thames Water for any error or omission. The actual positio

Thames Water Utilities Ltd, Property Searches, PO Box 3189, Slough SL1 4W, DX 151280 Slough 13 T 0845 070 9148 E searches@thameswater.co.uk I www.thameswater-propertysearches.co.uk



The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.

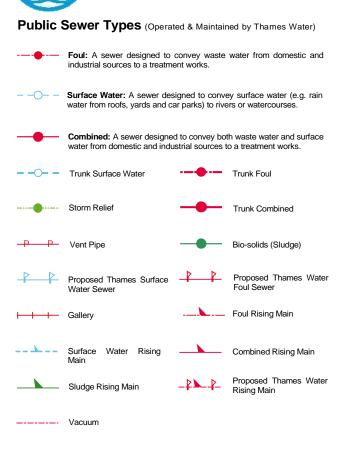
Based on the Ordnance Survey Map with the Sanction of the controller of H.M. Stationery Office, License no. 100019345 Crown Copyright Reserved.

<u>Thames Water Utilities Ltd</u>, Property Searches, PO Box 3189, Slough SL1 4W, DX 151280 Slough 13 T 0845 070 9148 E <u>searches@thameswater.co.uk</u> I <u>www.thameswater-propertysearches.co.uk</u>

Manhole Reference	Manhole Cover Level	Manhole Invert Level
34BH	n/a	n/a
34BI	n/a	n/a
34BJ	n/a	n/a
34CA	n/a	n/a
3402	n/a	n/a
34CB	n/a	n/a
341A	n/a	n/a
441G 441F	n/a n/a	n/a n/a
441D	n/a	n/a
441E	n/a	n/a
441C	n/a	n/a
4401	n/a	n/a
441B	n/a	n/a
4302	n/a	n/a
4402	n/a	n/a
441A	n/a	n/a
3112	n/a	n/a
3105	n/a	n/a
3111	n/a	n/a
3107	n/a	n/a
3302	n/a	n/a
3110	n/a	n/a
3108	n/a	n/a
3109	n/a	n/a
3301	n/a	n/a
4201	n/a	n/a
4002	82.58	76.52
4101	n/a	n/a
4001	76.82	71.76
421C 4206	n/a n/a	n/a n/a
4200 421A	n/a	n/a
1001	59.4	54.85
1004	n/a	n/a
1005	n/a	n/a
2007	n/a	n/a
2008	n/a	n/a
3001	70.81	64.89
1002	60.41	55.76
3002	n/a	n/a
101A	n/a	n/a
201A	n/a	n/a
211A	n/a	n/a
2101	69.04	62.55
3106	n/a	n/a
1101	n/a	n/a
1102	70.36	64.86
3102	n/a	n/a
2203	n/a	n/a
3201	n/a	n/a
2210	n/a	n/a
3202	n/a	n/a
2302 1301	n/a 89.91	n/a 87.74
0302	89.8	87.09
1401	88.72	85.96
1401	86.98	n/a
1402	86.35	80.51
1404	88.07	n/a
0001	61.45	58.7
auto	n/a	n/a
auto	n/a	n/a
0403	93.85	n/a
0201	79.17	71.93
	-	

of mains and services must be verified and established on site before any works are undertaken.

ALS Sewer Map Key



## **Sewer Fittings**

A feature in a sewer that does not affect the flow in the pipe. Example: a vent is a fitting as the function of a vent is to release excess gas.

- Air Valve Dam Chase Fitting
- ≥ Meter

Π

0 Vent Column

### **Operational Controls**

A feature in a sewer that changes or diverts the flow in the sewer. Example: A hydrobrake limits the flow passing downstream.

X Control Valve Ф Drop Pipe Ξ Ancillary Weir

Outfall

Inlet

Undefined End

#### End Items

いし

End symbols appear at the start or end of a sewer pipe. Examples: an Undefined End at the start of a sewer indicates that Thames Water has no knowledge of the position of the sewer upstream of that symbol, Outfall on a surface water sewer indicates that the pipe discharges into a stream or river.

**Other Symbols** 

Symbols used on maps which do not fall under other general categories

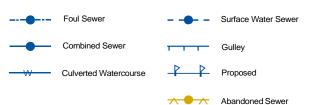
- **\**/ Public/Private Pumping Station
- \* Change of characteristic indicator (C.O.C.I.)
- Ø Invert Level
- < Summit

#### Areas

Lines denoting areas of underground surveys, etc.

Agreement **Operational Site** :::::: Chamber Tunnel Conduit Bridge

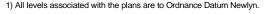
#### Other Sewer Types (Not Operated or Maintained by Thames Water)



#### Notes:

hames

Water



2) All measurements on the plans are metric.

- 3) Arrows (on gravity fed sewers) or flecks (on rising mains) indicate direction of flow.
- 4) Most private pipes are not shown on our plans, as in the past, this information has not been recorded.

5) 'na' or '0' on a manhole level indicates that data is unavailable.

6) The text appearing alongside a sewer line indicates the internal diameter of the pipe in milimetres. Text next to a manhole indicates the manhole reference number and should not be taken as a measurement. If you are unsure about any text or symbology present on the plan, please contact a member of Property Insight on 0845 070 9148.

Thames Water Utilities Ltd, Property Searches, PO Box 3189, Slough SL1 4W, DX 151280 Slough 13 T 0845 070 9148 E searches@thameswater.co.uk I www.thameswater-propertysearches.co.uk

Appendix F Camden Flood SuDS Proforma

## Pro-forma for any schemes in flood risk areas & all major development - Camden LLFA

All yellow boxes **must** be completed on this and all relevant tabs

Complete peach cells with source document and section/page references, required to support/justify responses Do not edit grey cells

Please note guidelines / notes in column M Complete all relevant tabs

**Introduction:** This Proforma is intended to help you understand the Sustainable Drainage and Flood Risk considerations that the Lead Local Flood Authority (LLFA) and Local Planning Authority (LPA) will take into account when considering an application in Camden, as well as helping us to consider the application. This does not replace the need also to provide where required a Drainage Statement, Flood Risk Assessment, and GLA-Camden SuDS Pro-forma, and observe the detailed guidance in ' Camden Planning Guidance (CPG) Water & Flooding'. Any information provided should be referenced to the relevant section of submitted supporting documents. This summary page will help provide key details on the application. Note that certain cells on this and other tabs will be populated automatically from previous answers given.

## A. Application details

Planning reference (if known)				
Scheme name	O2 Fincheley Road,	O2 Fincheley Road, London		
Scheme address	255 Finchley Road,	London,		
Postcode	NW36LU			
Scale of development as registered	Major			_
Scale - policy subcategory	Major - largescale	Residential parts		Non-residential parts
Type(s) of development	Residential	New/re-l	build	
Site area, hectares	5.72	100%		
Of which total permeable area, to nearest 0.0001 ha	0	0%		
Of which total impermeable area, to nearest 0.0001 ha	5.14	90%		

	Existing	Existing Proposed				
	TOTAL pre- development		infills, re-build,	Retained (refurbished or change of use)	•	Net UPLIFT post- development
Total floor area of development (GIA)	0	0	43570	0	43570	43570
of which residential	0	0	43570	0	43570	43570
of which non- residential		51400	0	0	0	0
Number of residential units						
List all use class(es)						

Drainage Statement document details	104878-PEF-ZZ-ZZ-RP-D-100017
Flood Risk Assessment document details	104878-PEF-ZZ-ZZ-EP-D-100009

Recommendation (Council to complete) B. Flood Risk and SuDS - Policy & Documents Filter	
Site area 1 hectare or greater? Yes	
Major application? Yes	
In Critical Drainage Area?	
In or bordering (<50m) Local Flood Risk Zone(s)? Border	
Name of LFRZ(s):	
On Historically Flooded Street 1975 or 2002? No	
Name of HFS(s):	
Area at risk of flooding (surface water)? CHECK SITE DETAILS	
Elevated groundwater susceptibility or <50m of GW incide No	
In area with recorded sewer flooding incident?	
In street with historical underground watercourse?	
Area at risk of flooding (other relevant types)? Yes	
Basement proposed - new, enlarged or change of use? No	
IF YES, list proposed basement uses (all spaces):	
Approve/Condition/Refuse IF YES, are habitable or vulnerable use(s) included?	
Approve/Condition/Refuse IF NO, is other (non-basement) vulnerable development (Yes	
Vulnerable development in flood-prone area?         Yes	
Site-specific Flood Risk Assessment (FRA) required? CHECK SITE DETAILS	
Approve/Condition/Refuse         Site-specific FRA submitted?         Yes         If Yes, go to Flood Risk Proposals tab	
Drainage Statement (DS) required? CHECK SITE DETAILS	
Approve/Condition/Refuse       DS submitted?       Yes       If Yes, go to Flood Risk Proposals tab	
Sustainable drainage (SuDS) proposals required? CHECK SITE DETAILS	
Approve/Condition/Refuse SuDS proposals submitted? Yes If Yes, go to SuDS Proposals tab	
FRA/DS/SuDS supporting evidence required?       CHECK SITE DETAILS	
Approve/Condition/Refuse Supporting evidence submitted? Yes If Yes, go to Flood Risk Proposals &/or Su	DS Proposals ta

## Flood Risk Assessment, Proposals & Evidence

Recommendation (Council to complete)	Assessments	Required?	Document submitted?	Document title	Page/ section reference
(	Site-specific Flood Risk Assessment	CHECK SITE DETAILS	Yes	104878-PEF-ZZ-ZZ-RP-D-100009	
	Deciment Otsternent	CHECK SITE DETAILS			
	Drainage Statement SuDS Proposals tab completed		Yes	104878-PEF-ZZ-ZZ-RP-D-100017	
	SuDS Proposals	CHECK SITE DETAILS		104878-PEF-ZZ-ZZ-RP-D-100017	
	SuDS Proposals tab completed	CHECK SITE DETAILS	Yes	104878-PEF-ZZ-ZZ-RP-D-100017	
Recommendation (Council to complete)	Policy compliance	Required?	Requirement met?	Document title	Page/ section reference
	Assessments address local, regional & national policies	CHECK SITE DETAILS	Yes	104878-PEF-ZZ-ZZ-RP-D-100009	Section 3
	include suitable research & quantification of site flood risks		Yes		Section 4
	address cumulative impact of developments	CHECK SITE DETAILS	Yes	104878-PEF-ZZ-ZZ-RP-D-100009	Section 2
	propose suitable flood ingress internal coping measures		No		
	propose suitable flood risk mitigation measures	CHECK SITE DETAILS	Yes	104878-PEF-ZZ-ZZ-RP-D-100009	Section 5
	Internal water consumption target 105 l/p/d (residential)	Yes	N/A		
	External water consumption target 5 l/p/d (residential)	Yes	N/A		
	BREEAM Excellent water consumption target (non-resi >500m2)	No	Residential		
	Will not locate vulnerable development in flood-prone area	Yes	No	104878-PEF-ZZ-ZZ-RP-D-100009	Section 5
	Scheme does not increase flood risk on & off site		Yes		Section 6
	Scheme reduces on&off-site flood risk where possible	CHECK SITE DETAILS	Yes		Section 5
Recommendation (Council to complete)	Evidence supporting Assessments & Proposals	Required?	Evidence submitted?	Document title	Page/ section reference
	Drawings showing site-specific flood risk up to 100yr+40%		Yes	104878-PEF-ZZ-ZZ-RP-D-100009	Section 4
	Drawings showing proposed internal coping measures		No		
	Drawings showing proposed flood mitigation measures	CHECK SITE DETAILS	Yes	104878-PEF-ZZ-ZZ-RP-D-100017	Appendix D
	Drawings showing proposed basement/ground floor uses	CHECK SITE DETAILS	Yes	Submitted Layout Plans	
	Building flood risk emergency evacuation plan Drawings showing on&off-site overland exceedance flows	CHECK SITE DETAILS	No No		
		UNEUR SITE DETAILS			
	Internal water calculations & proposals (resi)	Yes	No		
	External water calculations & proposals (resi)	Yes	No		
	BREEAM water calculations & proposals (non-resi >500m2)	No	Residential		

#### Guidelines / notes

Policy CC3 c. consider the impact of development in areas at risk of flooding

Policy CC3 c. consider the impact of development in areas at risk of flooding (including drainage);

Policy CC3 b. avoid harm to the water environment and improve water quality& e. utilise Sustainable Drainage Systems (SuDS) in line with the drainage hierarchy to achieve a greenfield run-off rate where feasible

including Local Plan CC3, CPG, new London Plan, National Planning Policy Framework including Strategic Flood Risk Assessment, Update LFRZ Map & EA Mapping Policy CC3 c. consider the impact of development in areas at risk of flooding Policy CC3 d. incorporate flood resilient measures in areas prone to flooding; Policy CC3 d. incorporate flood resilient measures in areas prone to flooding;

Policy CC3 a. incorporate water efficiency measures Policy CC3 a. incorporate water efficiency measures Policy CC3 a. incorporate water efficiency measures

Policy CC3 f. not locate vulnerable development in flood-prone areas.

Policy CC3 The Council will seek to ensure that development does not increase flood risk

Policy CC3 The Council will seek to ensure that development...reduces the risk of flooding where possible

allowing 300mm freeboard to potential water ingress points

Policy CC3 a. incorporate water efficiency measures Policy CC3 a. incorporate water efficiency measures Policy CC3 a. incorporate water efficiency measures

## Sustainable Drainage (SuDS) Assessment, Evidence and Proposals

\_\_\_\_

Recommendation ouncil to complete)	Assessments	Document submitted?	Document title	Page/ section refere
	Drainage Statement (DS)	Yes	104878-PEF-ZZ-ZZ-EP-D-100017	
	GLA-Camden SuDS Pro-forma (fully completed)	Yes	104878-PEF-ZZ-ZZ-EP-D-100017	Appendix E & F
commendation Incil to complete)	Policy compliance	Requirement met?	Document title	Page/ section refer
	DS must include identification of flood risk	Yes	104878-PEF-ZZ-ZZ-EP-D-100009	FRA document
	DS must include assessment of existing, greenfield & proposed runoff rates	Yes	104878-PEF-ZZ-ZZ-EP-D-100017	Section 3
	DS must include identification of measures, in line with the drainage hierarchy, to reduce runoff rates	Yes	104878-PEF-ZZ-ZZ-EP-D-100017	Section 3
	Achieve greenfield runoff rates wherever feasible, or as close as possible	Yes	104878-PEF-ZZ-ZZ-EP-D-100017	Sections 3, 4 & 5
	Constrain runoff volumes to greenfield for 100yr 6hr event where feasible	Yes	104878-PEF-ZZ-ZZ-EP-D-100017	Sections 3, 4 & 5
	Backstop target for unaltered buildings: >50% reduction in existing run-off	Yes	104878-PEF-ZZ-ZZ-EP-D-100017	Sections 3, 4 & 5
	Developments must include SuDS unless inappropriate	Yes	104878-PEF-ZZ-ZZ-EP-D-100017	Section 3.5
	Development should follow the detailed London Plan drainage hierarchy	Yes	104878-PEF-ZZ-ZZ-EP-D-100017	Section 3.1
	EA climate change factor applied: 2080s upper rainfall intensity allowance (40%)	Yes	104878-PEF-ZZ-ZZ-EP-D-100017	Appendix C
commendation ncil to complete)	Evidence supporting Assessments & Proposals	Evidence submitted?	Document title	Page/ section refer
/	Drawings detailing SuDS extent & position (incl. outfalls, control points, levels)	Yes	104878-PEF-ZZ-ZZ-EP-D-100017	Appendix D
	Blue-green roof details with area & minimum 150mm substrate for storage	No		
	Results of cross-site infiltration rate or similar tests to show soil (in)compatibility	Yes	Geo-Environmental Report	
	Professional run-off calculations supporting rates & volumes reported in DS	Yes	104878-PEF-ZZ-ZZ-EP-D-100017	Appendix C and Section 2
	Drawings showing on&off-site overland exceedance flows	No	104878-PEF-ZZ-ZZ-EP-D-100009	No exceedance routes pre
	Evidence of site surveys and investigations relating to drainage	Yes	104878-PEF-ZZ-ZZ-EP-D-100017	Appedix A, B and E
	Lifetime maintenance and adoption arrangements (and maintenance owner)	Yes	104878-PEF-ZZ-ZZ-EP-D-100017	Section 3.6
	Management of health & safety risks related to SuDS design	Yes	104878-PEF-ZZ-ZZ-EP-D-100017	Section 3.5

Yes

Confirmation of discharge capacity (or correspondence) from relevant body eg TW

104878-PEF-ZZ-ZZ-EP-D-100017

Appendix E

#### Guidelines / notes

Policy CC3 c. consider the impact of development in areas at risk of flooding (including drainage);

Download from www.london.gov.uk/what-we-do/environment/climate-change/surface-

Policy CC3 e. utilise Sustainable Drainage Systems (SuDS) in line with the drainage hierarchy to achieve a greenfield run-off rate where feasible & Policy CC3 supporting text §8.67

Policy CC3 e. utilise Sustainable Drainage Systems (SuDS) in line with the drainage hierarchy to achieve a greenfield run-off rate where feasible & Policy CC3 supporting text §8.66

Policy CC3 e. utilise Sustainable Drainage Systems (SuDS) in line with the drainage hierarchy to achieve a greenfield run-off rate where feasible & Policy CC3 supporting text §8.68

Appendix G Camden SuDS Proforma



# GREATER **LONDON** AUTHORITY



	Project / Site Name (including sub- catchment / stage / phase where appropriate)	O2 Finchley Road, London
	Address & post code	255 Finchely Road, London, NW56LU
		E 526164
	OS Grid ref. (Easting, Northing)	N 184818
tails	LPA reference (if applicable)	
Project & Site Details	Brief description of proposed work	Urban regeneration development comprising approximately 1800 units and commercial and residential spaces surrounded by landscaped areas providing a link each end of the site and provide communal areas for residents.
	Total site Area	57,218 m <sup>2</sup>
	Total existing impervious area	51,400 m <sup>2</sup>
	Total proposed impervious area	43,570 m <sup>2</sup>
	Is the site in a surface water flood risk catchment (ref. local Surface Water Management Plan)?	No
	Existing drainage connection type and location	Combined sewer drainage to the south of the site.
	Designer Name	Richard Holmes
	Designer Position	Associate
	Designer Company	Pell Frischmann

	2a. Infiltration Feasibility						
	Superficial geology classification	No recorde	ed superficial geology (BGS)				
	Bedrock geology classification	London Clay Formation					
	Site infiltration rate		m/s				
	Depth to groundwater level	1.26-1.8	9 m belo	w ground level			
	Is infiltration feasible?		No				
	2b. Drainage Hierarchy						
ements			Feasible (Y/N)	Proposed (Y/N)			
ang	1 store rainwater for later use		Y	Y			
ırge Arr	2 use infiltration techniques, such surfaces in non-clay areas	Ν	Ν				
Proposed Discharge Arrangements	3 attenuate rainwater in ponds or features for gradual release	Y	Y				
ropose	4 attenuate rainwater by storing in sealed water features for gradual results.		Y	Y			
2. P	5 discharge rainwater direct to a w	atercourse	Ν	N			
	6 discharge rainwater to a surface sewer/drain	Y	Y				
	7 discharge rainwater to the comb	Y	Y				
	2c. Proposed Discharge Details						
	Proposed discharge location	new surface	e and foul sewe	ers across site			
	Has the owner/regulator of the discharge location been consulted?	Yes					



## GREATER LONDON AUTHORITY



		Greenfield (GF) runoff rate (l/s)	Existing discharge rate (I/s)	Required storage for GF rate (m <sup>3</sup> )	Proposed discharge rate (l/s)
	Qbar	24.9	$\ge$	$\geq$	$>\!$
	1 in 1	21.1	520	594	24.9
	1 in 30	57.2	1240	2051	24.9
	1 in 100	79.3	1337	3048	24.9
	1 in 100 + CC		$\geq$	4605	24.9
	Climate change a	llowance used	40%		
3. Drainage Strategy	3b. Principal Met Control	hod of Flow	Hydrobrake Ma	anhole	
e St	3c. Proposed Sul	S Measures			
inag			Catchment	Plan area	Storage
Drai			area (m²)	(m <sup>2</sup> )	vol. (m <sup>3</sup> )
з.	Rainwater harves	ting	0	$\geq \leq$	0
	Infiltration system	ns	0	$\geq$	0
	Green roofs		0	5650	0
	Blue roofs		0	0	0
	Filter strips				
			0	0	0
	Filter drains		0	0	0
	Filter drains Bioretention / tre		0	0	
	Filter drains Bioretention / tre Pervious paveme		0 0 0	0 0 500	0
	Filter drains Bioretention / tre Pervious paveme Swales		0 0 0	0	0
	Filter drains Bioretention / tre Pervious paveme Swales Basins/ponds	nts	0 0 0 0	0 0 500	0 0 0 0 0
	Filter drains Bioretention / tre Pervious paveme Swales	nts	0 0 0	0 0 500 250	0 0 0 0

	4a. Discharge & Drainage Strategy	Page/section of drainage report
	Infiltration feasibility (2a) – geotechnical factual and interpretive reports, including infiltration results	Factual Ground Investgation Report - RSK Geosciences - December 2021
	Drainage hierarchy (2b)	Section 3.1
ſ	Proposed discharge details (2c) – utility plans, correspondence / approval from owner/regulator of discharge location	Section 3.2
4. Supporting Information	Discharge rates & storage (3a) – detailed hydrologic and hydraulic calculations	Section 3.3
ting Inf	Proposed SuDS measures & specifications (3b)	Section 3.5
por	4b. Other Supporting Details	Page/section of drainage report
Sup	Detailed Development Layout	Appendix B/AHMM Architects
4.	Detailed drainage design drawings, including exceedance flow routes	100006 Existing SW Catchment 100008 Proposed SuDS 100010 Proposed DS 100017 Overland Flow Routes
	Detailed landscaping plans	EAST Landscape Architects
	Maintenance strategy	Section 3.6
	Demonstration of how the proposed SuDS measures improve:	
	a) water quality of the runoff?	Section 3.5
	b) biodiversity?	Section 3.5
	c) amenity?	Section 3.5

Appendix H Greenfield Runoff Report



# Greenfield runoff rate estimation for sites

www.uksuds.com | Greenfield runoff tool

Calculated by:	Matthew Fox			Site Details				
	02 Finchley R	her		Latitude:	51.54781° N			
		Jau		Longitude:	0.18388° W			
Site location:								
This is an estimation of t in line with Environment SC030219 (2013), the (Defra, 2015). This inform	Agency guidance SuDS Manual C7	e "Rainfall runoff m 53 (Ciria, 2015) ar	anagement for dev nd the non-statutor	velopments", Reference:	4259196723 Nov 03 2022 12:25			
the drainage of surface								
Runoff estimatior	n approach	IH124						
Site characteristi	cs			Notes				
Total site area (ha):	5.72			(1) $ _{0} \cap _{-} < 2 \cap  _{0}  _{0}  _{0}$				
Methodology				(1) Is Q <sub>BAR</sub> < 2.0 l/s/ha?				
Q <sub>BAR</sub> estimation me	thod: Calcu	llate from SPR	and SAAR	When Q <sub>BAR</sub> is < 2.0 l/s/ha then l	imiting discharge rates are set			
SPR estimation met	hod: Calcu	llate from SOIL	type	at 2.0 l/s/ha.				
Soil characteristie	<b>cs</b> Defaul	lt Edite	ed					
SOIL type:	4	4		(2) Are flow rates < 5.0 l/s?				
HOST class:	N/A	N/A		Where flow rates are less than 5	$\Omega I/c$ concept for discharge is			
SPR/SPRHOST:	0.47	0.47		usually set at 5.0 l/s if blockage				
Hydrological cha	racteristics	Default	Edited	materials is possible. Lower con where the blockage risk is addre	-			
SAAR (mm):		640	640	drainage elements.				
Hydrological region:		6	6	(3) Is SPR/SPRHOST ≤ 0.3?				
Growth curve factor 1 year:		0.85	0.85					
Growth curve factor 30 years:		2.3	2.3	Where groundwater levels are low enough the use of				
Growth curve factor 100 years:		3.19	3.19	soakaways to avoid discharge o preferred for disposal of surface	•			
Growth curve factor	200 years:	3.74	3.74					

Greenfield runoff rates	Default	Edited
Q <sub>BAR</sub> (I/s):	24.87	24.87
1 in 1 year (l/s):	21.14	21.14
1 in 30 years (l/s):	57.19	57.19
1 in 100 year (l/s):	79.32	79.32
1 in 200 years (l/s):	93	93

This report was produced using the greenfield runoff tool developed by HR Wallingford and available at www.uksuds.com. The use of this tool is subject to the UK SuDS terms and conditions and licence agreement, which can both be found at www.uksuds.com/termsand-conditions.htm. The outputs from this tool are estimates of greenfield runoff rates. The use of these results is the responsibility of the users of this tool. No liability will be accepted by HR Wallingford, the Environment Agency, CEH, Hydrosolutions or any other organisation for the use of this data in the design or operational characteristics of any drainage scheme. Appendix I Proposed Development Drainage Calculations

London W1U 3PD Date 12/12/2022 14:08 File 104878 Phase 1A.MDX Designed by MFox Checked by	Pell Frischmann			Page 1
NIU 3PD       Designed by MFox Checked by         Innovyze       Network 2020.1.3         STORM SEWER DESIGN by the Modified Rational Method         Designed for Modified Rational Method         Design Criteria for Storm         Discuss STANDARD Manhole Sizes STANDARD         Design Criteria for Storm         Gene design Criteria for Storm         Discuss STANDARD Manhole Sizes STANDARD         Discuss STANDARD Manhole Sizes STANDARD         Discuss STANDARD Manhole Sizes STANDARD         Metwork 2020.1.3         Discuss STANDARD Manhole Sizes STANDARD         Metwork 2020.1.3         Discuss STANDARD Manhole Sizes STANDARD         Metwork 2020.1.3         Discuss STANDARD         Metwork 2020.1.3         Discuss STANDARD         Maximum Field (years)         Discuss STANDARD         Maximum Field (years)         Discuss Standard         Discuss Standard         Discuss Standard         Discuss Standard         Discuss Standard         Discuss Colspandard <td>5 Manchester Square</td> <td></td> <td></td> <td></td>	5 Manchester Square			
bate 12/12/2022 14:08 File 104878 Phase 1A.MDX Checked by Innovyze Network 2020.1.3 CREAKED DESIGN by the Modified Rational Method Design Criteria for Storm File Sizes STANDARD Manhole Sizes STANDARD FEH Rainfall Version FEH Rainfall Model C (lkm) C (lkm	London			
Date 12/12/2022 14:03       Designed by MFOX         Checked by       Network 2020.1.3         Innovyze       Network 2020.1.3         Designed by the Modified Rational Method         Design Criteria for Storm         Designed With Level Softia         Network 2020.1.3	W1U 3PD			Micco
Interview Network 2020.1.3  Network 2020.1.3  STORM SEWER DESIGN by the Modified Rational Method Design Criteria for Storm Pipe Sizes STANDARD Manhole Sizes STANDARD  FEH Rainfall Version FEH Rainfall Version C (1km) C (1k	Date 12/12/2022 14:08	Designed by MFc	X	
STORM SEWER DESIGN by the Modified Rational Method         Design Criteria for Storm         File Sizes STANDARD Manhole Sizes STANDARD         FEH Rainfall Model         Return Period (years)       100 Maximum Time of Concentration (mins) 30         FEH Rainfall Version       100 Maximum Time of Concentration (mins) 30         FEH Rainfall Version       1999       Volumetric Runoff Coeff. 0.750         Site Location GB 526100 184450 TO 26100 84450       Colspan="2">Colspan="2">Colspan= 48, 100         C       C (1km)       0.330       Minimum Backdrop Height (m) 1.500         Di (1km)       0.321 Min Design Depth for Optimisation (m) 1.200         E (1km)       0.321 Min Nel for Auto Design only (m/a)         Disigned with Level Soffits         Free Flowing Outfall Details for Storm         Maximum Findal Cutfall C. Level I. Level Min D.L W         Min D.L W         Pipe Number Name (m) (m) (m)         (m) Cutfall C. Level T. Level Min D.L W         Pipe Number Name (n) (n) COURD (n)         S1.002       \$ 49.150 46.060 0.000 0 0       0       0 </td <td>File 104878 Phase 1A.MDX</td> <td>Checked by</td> <td></td> <td>Diamage</td>	File 104878 Phase 1A.MDX	Checked by		Diamage
Design Criteria for storm         Dispanding Criteria for storm         FER Rainfall Model         Return Period (years)       100 Maximum Time of Concentration (mins) 30 Foul Sewage (1/s/ha) 0.000         FER Rainfall Version       100 Maximum Time of Concentration (mins) 30 Foul Sewage (1/s/ha) 0.000         State Location GB 526100 184450 TO 26100 84450       FIM (%) 100         C (1km)       -0.025         C (1km)       -0.025         D (1km)       -0.025         D (1km)       -0.025         D (1km)       -0.025         D (1km)       -0.027         Maximum Backdrop Height (m) 1.500         D (1km)       -0.023         D (1km)       -0.023         D (1km)       -0.025         D (1km)	Innovyze	Network 2020.1.	3	
Design Criteria for storm         Dispanding Criteria for storm         FER Rainfall Model         Return Period (years)       100 Maximum Time of Concentration (mins) 30 Foul Sewage (1/s/ha) 0.000         FER Rainfall Version       100 Maximum Time of Concentration (mins) 30 Foul Sewage (1/s/ha) 0.000         State Location GB 526100 184450 TO 26100 84450       FIM (%) 100         C (1km)       -0.025         C (1km)       -0.025         D (1km)       -0.025         D (1km)       -0.025         D (1km)       -0.025         D (1km)       -0.027         Maximum Backdrop Height (m) 1.500         D (1km)       -0.023         D (1km)       -0.023         D (1km)       -0.025         D (1km)				
Fipe Sizes STANDARD Manhole Sizes STANDARD         FEH Rainfall Model         Return Period (years)       100 Maximum Time of Concentration (mins) 30 Foul Sewage (1/s/ha) 0.000         FEH Rainfall Version       1999         Volumetric Runoff Coeff. 0.750         Site Location GB 526100 184450 TQ 26100 84450         C (1km)       -0.025         Add Flow / Climate Change (%)         D1 (1km)       0.330         Minimum Backdrop Height (m)         J2 (1km)       0.277         Maximum Backdrop Height (m)         J3 (1km)       0.234 Min Design Depth for Optimisation (m)         J2 (1km)       0.2519         Min Slope for Optimisation (1:X)       500         Fee Flowing Outfall Details for Storm         Maximum Rainfall (mm/hr)       50         Designed with Level Soffits         Free Flowing Outfall Details for Storm         Min Dig Number Name (m) (m) (m) (m)         (m)         S1.002       X 49.150 46.060 0.000 0 0	STORM SI	EWER DESIGN by the Modif.	ied Rational Method	
FEH Rainfall ModelReturn Period (years)100 Maximum Time of Concentration (mins)30 Foul Sewage (1/s/ha)0.000FEH Rainfall Version1999Volumetric Runoff Coeff.0.750 PIMP (%)Site Location GB 526100 184450 TQ 26100 84450PIMP (%)100 PIMP (%)C (1km)-0.025Add Flow / Climate Change (%)1D1 (1km)0.330Minimum Backdrop Height (m)1.500 D.227D2 (1km)0.234Min Design Depth for Optimisation (m)1.200 E (1km)E (1km)0.332Min Vel for Auto Design only (m/s)1.00 F (1km)F (1km)2.519Min Slope for Optimisation (1:X)500Maximum Rainfall (mm/hr)50Designed with Level SoffitsFree Flowing Outfall Details for StormOutfall Outfall C. Level I. Level (Min D, L W Pipe Number Name (m) (m) I. Level (mm) (mm) (m)S1.002S 49.15046.0600.0000		Design Criteria for	Storm	
Return Period (years)       100 Maximum Time of Concentration (mins)       30         FEH Rainfall Version       1999       Volumetric Runoff Coeff. 0.750         Site Location GB 526100 184450       -0.025       Add Flow / Climate Change (%)       10         C (1km)       -0.025       Add Flow / Climate Change (%)       10         D1 (1km)       0.330       Minimum Backdrop Height (m)       1.500         D2 (1km)       0.237       Maximum Backdrop Height (m)       1.500         D3 (1km)       0.332       Min Vel for Auto Design only (m/s)       1.00         F (1km)       2.519       Min Slope for Optimisation (1:X)       500         Maximum Rainfall (mm/hr)       50         Designed with Level Soffits         Free Flowing Outfall Details for Storm         (m) (m) I. Level (mm) (mm)         y a store         Store         Store         A store         A store         Min Slope for Optimisation (1:X)         Store         Min Slope for Storm         (m) (m) (m) (m)         Store         Store         Store		Pipe Sizes STANDARD Manhole S	Sizes STANDARD	
Foul Sewage (1/s/ha) 0.000           FEH Rainfall Version         1999         Volumetric Runoff Coeff. 0.750           Site Location GB 526100 184450 TQ 26100 84450         FIMP (%) 100           C (1km)         -0.025         Add Flow / Climate Change (%) 10           D1 (1km)         0.330         Minimum Backdrop Height (m) 1.500           D3 (1km)         0.234 Min Design Depth for Optimisation (m) 1.200           E (1km)         0.332         Min Vel for Auto Design only (m/s) 1.00           F (1km)         2.519         Min Slope for Optimisation (1:X) 500           Maximum Rainfall (mm/hr)         50           Designed with Level Soffits           Free Flowing Outfall Details for Storm           (m) (m) (m) (m)           S1.002           S1.002		FEH Rainfall Mode	51	
FEH Rainfall Version       1999       Volumetric Runoff Coeff. 0.750         Site Location GB 526100 184450 TQ 26100 84450       PIMP (%) 100         C (1km)       -0.025       Add Flow / Climate Change (%) 10         D1 (1km)       0.330       Minimum Backdrop Height (m) 1.500         D2 (1km)       0.277       Maximum Backdrop Height (m) 1.500         D3 (1km)       0.234 Min Design Depth for Optimisation (m) 1.200         E (1km)       0.332       Min Vel for Auto Design only (m/s) 1.00         F (1km)       2.519       Min Slope for Optimisation (1:X) 500         Maximum Rainfall (mm/hr)       50         Designed with Level Soffits         Free Flowing Outfall Details for Storm         Outfall Outfall C. Level I. Level Min D,L W         Pipe Number Name (m) (m) (m) (m)       (m)         (m) X 49.150 46.060 0.000 0	Return Period (years)	100	Maximum Time of Concentration (mins)	30
Site Location GB 526100 184450 TQ 26100 84450 C (1km) -0.025 Add Flow / Climate Change (%) 10 D1 (1km) 0.330 Minimum Backdrop Height (m) 1.500 D3 (1km) 0.234 Min Design Depth for Optimisation (m) 1.200 E (1km) 0.332 Min Vel for Auto Design only (m/s) 1.00 F (1km) 2.519 Maximum Rainfall (mm/hr) 50 Designed with Level Soffits <u>Free Flowing Outfall Details for Storm</u> Outfall Outfall C. Level I. Level Min D.L W Pipe Number Name (m) (m) I. Level (mm) (mm) (m) S1.002 S 49.150 46.060 0.000 0 0			Foul Sewage (l/s/ha) 0.00	00
C (1km) D1 (1km) D1 (1km) D2 (1km) D2 (1km) D3 (1km) E (1km) Maximum Backdrop Height (m) 1.500 D3 (1km) E (1km) F (1km) D3 (1km) D4 (1				
Dl (1km) D2 (1km) D3 (1km) D3 (1km) D3 (1km) E (1km) Maximum Rainfall (mm/hr) D4 (1km) C (1km) D3 (1km) C (1km) C (1km) C (1km) D (1km) C (1km				
D2 (1km) D3 (1km) E (1km) Maximum Backdrop Height (m) 1.500 0.234 Min Design Depth for Optimisation (m) 1.200 0.332 Min Vel for Auto Design only (m/s) 1.00 F (1km) Maximum Rainfall (mm/hr) 50 Designed with Level Soffits Free Flowing Outfall Details for Storm Outfall Outfall C. Level I. Level Min D,L W Pipe Number Name (m) (m) I. Level (mm) (mm) (m) S1.002 S 49.150 46.060 0.000 0 0				
D3 (1km)0.234 Min Design Depth for Optimisation (m) 1.200E (1km)0.332 Min Vel for Auto Design only (m/s) 1.00F (1km)2.519 Min Slope for Optimisation (1:X) 500Maximum Rainfall (mm/hr)50Designed with Level SoffitsFree Flowing Outfall Details for StormOutfall Outfall C. Level I. Level Min D.L WPipe Number Name (m)(m)S1.002S 49.15046.0600.0000				
E (1km)0.332Min Vel for Auto Design only (m/s)1.00F (1km)2.519Min Slope for Optimisation (1:X)500Maximum Rainfall (mm/hr)50Designed with Level SoffitsFree Flowing Outfall Details for StormOutfall Outfall C. Level I. Level Min D,L WPipe Number Name(m)I. Level (mm) (mm)(m)\$1.002\$49.15046.0600.0000				
F (1km) Maximum Rainfall (mm/hr) Designed with Level Soffits <u>Free Flowing Outfall Details for Storm</u> Outfall Outfall C. Level I. Level Min D,L W Pipe Number Name (m) (m) I. Level (mm) (mm) (m) S1.002 S 49.150 46.060 0.000 0 0				
Maximum Rainfall (mm/hr) 50 Designed with Level Soffits <u>Free Flowing Outfall Details for Storm</u> Outfall Outfall C. Level I. Level Min D,L W Pipe Number Name (m) (m) I. Level (mm) (mm) (m) S1.002 S 49.150 46.060 0.000 0 0				
Free Flowing Outfall Details for StormOutfallOutfall C. Level I. LevelMinD,LWPipe NumberName(m)(m)I. Level (mm)(mm)(m)(m)(m)(m)\$1.002\$49.15046.0600.0000				
OutfallOutfall C. Level I. LevelMinD,LWPipeNumberName(m)I. Level (mm)(mm)(m)1.002S49.15046.0600.0000		Designed with Level S	offits	
Pipe Number         Name         (m)         I. Level (mm) (mm)           (m)         (m)           \$1.002         \$ 49.150         46.060         0.000         0	Fi	ree Flowing Outfall Deta	ils for Storm	
Pipe Number         Name         (m)         I. Level (mm) (mm)           (m)         (m)           \$1.002         \$ 49.150         46.060         0.000         0	Outfal	1 Outfall C Level I Leve	Al Min DT. W	
S1.002 S 49.150 46.060 0.000 0 0				
			(m)	
©1982-2020 Innovyze	S1.	.002 S 49.150 46.06	50 0.000 0 0	
©1982-2020 Innovyze				
		©1982-2020 Innov	VZe	

Pell Frischmann				Page 2
5 Manchester Square				
London				
W1U 3PD				- Micro
Date 12/12/2022 14:08	Desi	gned by MFox		Drainage
File 104878 Phase 1A.MDX	Chec	ked by		Diamage
Innovyze	Netw	ork 2020.1.3		
	Simulation	Criteria for Storm	1	
Areal Reduction Factor Hot Start (mins) Hot Start Level (mm) Number of Inp	0 Additional Flow - % o 0 MADD Factor * 10r ut Hydrographs 0 Number o:	hectare (l/s) 0.000 Flo of Total Flow 0.000 m³/ha Storage 2.000 f Offline Controls 0 Nu	Inlet Coeffiecien ow per Person per Day (l/per/day Run Time (mins Output Interval (mins umber of Time/Area Diagrams 0 umber of Real Time Controls 0	) 0.000 ) 60
	Synthetic	c Rainfall Details		
Return E FEH Rai	ainfall Model eriod (years) nfall Version Site Location GB 526100 1844 C (1km) D1 (1km) D2 (1km) D3 (1km)	-0.025 0.330	E (1km) 0.332 F (1km) 2.519 Summer Storms Yes Winter Storms No Cv (Summer) 0.750 Cv (Winter) 0.840 rm Duration (mins) 30	
	©1982	-2020 Innovyze		

Pell Frischmanr									Pa	
5 Manchester So	quare									
London										
V1U 3PD										Micro
Date 12/12/2022 14:08			Designed	by MFox						
File 104878 Pha	ase 1A.MDX			Checked k	by					Drainage
Innovyze				Network 2	2020.1.3					
	Uni Desi	rdro-Brake® Op t Reference MD- gn Head (m) Flow (1/s)	ptimum Ma	500-2000-150 2.00 1.	, DS/PN:	S1.002, V	Sump Avail Diameter nvert Level	able Ye: (mm) 4 (m) 46.20	9 0	
		Flush-Flo™ Objective Mi Application	nimise ups		5 55	Outlet Pipe sted Manhole				
		Objective Mi	-	tream storag	ge Sugges ce		e Diameter		0	
	Cont	Objective Mi Application	Head (m)	tream storag Surfac Flow (l/s)	ge Sugges ce	sted Manhole	e Diameter <b>Head</b>	(mm) 120	0	
	Cont	Objective Mi Application rol Points	Head (m)	tream storag Surfac Flow (1/s) 1.5	ge Sugges ce Cont	sted Manhole	e Diameter <b>Head</b> -Flo® 0.	(mm) 120 (m) Flow (	0 (1/s)	
another type of	Cont	Objective Mi Application rol Points int (Calculated) Flush-Flo <sup>3</sup> ave been based of other than a Hyd	Head (m) ) 2.000 ™ 0.212 on the Head dro-Brake (	tream storag Surfac Flow (1/s) 1.5 0.9 d/Discharge Optimum® be	ge Sugges ce Mean Flow relationsh utilised t	rol Points Kick- over Head F ip for the hen these s	e Diameter Head Flo® 0. Range Hydro-Brake torage rout	(mm) 120) (m) Flow ( 438 - 2® Optimum ting calcul	0 (1/s) 0.8 1.1 as specifie ations will	l be invalidate
another type of	Cont Design Po I calculations h control device Flow (1/s) Depth	Objective Mi Application rol Points int (Calculated) Flush-Flo <sup>3</sup> ave been based of other than a Hyd	Head (m) ) 2.000 ™ 0.212 on the Head dro-Brake (	tream storag Surfac Flow (1/s) 1.5 0.9 d/Discharge Optimum® be Flow (1/s)	ge Sugges ce Mean Flow relationsh utilised t	rol Points Kick- over Head F ip for the hen these s Flow (1/s)	e Diameter Head Flo® 0. Range Hydro-Brake torage rout	(mm) 120) (m) Flow ( 438 - 2® Optimum ting calcul	0 (1/s) 0.8 1.1 as specific ations will Depth (m)	l be invalidate
another type of Depth (m) E	Cont Design Po I calculations h control device Flow (1/s) Depth 0.8 0	Objective Mi Application rol Points int (Calculated Flush-Flo <sup>n</sup> ave been based o other than a Hyd (m) Flow (1/s)	Head (m) ) 2.000 ™ 0.212 on the Head dro-Brake ( Depth (m) 1.600	tream storag Surfac Flow (1/s) 1.5 0.9 d/Discharge Optimum® be Flow (1/s) 1.4	ge Sugges Ce Mean Flow relationsh utilised t Depth (m)	rol Points Kick- over Head F ip for the hen these s Flow (1/s) 1.7	Head Head Flo® 0. Range Hydro-Brake torage rout	(mm) 120) (m) Flow ( 438 - 2® Optimum ting calcul Flow (1/s)	0 (1/s) 0.8 1.1 as specific ations will Depth (m) 3 7.500	l be invalidate Flow (1/s) 2.8
another type of Depth (m) E 0.100	Cont Design Po al calculations h control device Flow (1/s) Depth 0.8 0 0.9 0 0.9 1	Objective Mi Application rol Points int (Calculated Flush-Flo <sup>3</sup> ave been based of other than a Hyd (m) Flow (1/s) 600 0.9 800 1.0 000 1.1	Head (m) ) 2.000 M 0.212 on the Head dro-Brake ( Depth (m) 1.600 1.800 2.000	tream storag Surfac Flow (1/s) 1.5 0.9 d/Discharge Optimum® be Flow (1/s) 1.4 1.4 1.5	ge Sugges Ce Mean Flow relationsh utilised t Depth (m) 2.600 3.000 3.500	rol Points Kick- over Head F ip for the hen these s Flow (1/s) 1.7 1.8 1.9	Head Flo® 0. Range Hydro-Brake torage rout Depth (m) 5.000 5.500 6.000	(mm) 120) (m) Flow ( 438 - 2® Optimum ting calcul Flow (1/s) 2.3	0 (1/s) 0.8 1.1 as specific ations will Depth (m) 7.500 8.000 8.500	l be invalidate <b>Flow (1/s)</b> 2.8 2.8 2.9
another type of <b>Depth (m) E</b> 0.100 0.200	Cont Design Po al calculations h control device Flow (1/s) Depth 0.8 0 0.9 0 0.9 1 0.8 1	Objective Mi Application rol Points int (Calculated) Flush-Flo <sup>n</sup> ave been based of other than a Hyd (m) Flow (1/s) .600 0.9 .800 1.0	Head (m) ) 2.000 M 0.212 on the Head dro-Brake ( Depth (m) 1.600 1.800 2.000 2.200	tream storag Surfac Flow (1/s) 1.5 0.9 d/Discharge Optimum® be Flow (1/s) 1.4 1.4 1.5 1.6	ge Sugges Cont Mean Flow relationsh utilised t Depth (m) 2.600 3.000 3.500 4.000	rol Points Kick- over Head F ip for the hen these s Flow (1/s) 1.7 1.8 1.9 2.1	Head Flo® 0. Range Hydro-Brake torage rout Depth (m) 5.000 5.500 6.000 6.500	(mm) 120) (m) Flow ( 438 - 2® Optimum ting calcul Flow (1/s) 2.3 2.4	0 (1/s) 0.8 1.1 as specific ations will Depth (m) 7.500 8.000 8.500 9.000	l be invalidate <b>Flow (1/s)</b> 2.8 2.8 2.9 3.0

©1982-2020 Innovyze

Pell Frischmann		Page 4
5 Manchester Square		
London		
W1U 3PD		Micro
Date 12/12/2022 14:08	Designed by MFox	Micro Drainage
File 104878 Phase 1A.MDX	Checked by	
Innovyze	Network 2020.1.3	
	Storage Structures for Storm	
	Tank or Pond Manhole: S3, DS/PN: S1.002	
	Invert Level (m) 46.200	
Dept	ch (m) Area (m <sup>2</sup> ) Depth (m) Area (m <sup>2</sup> ) Depth (m) Area (m <sup>2</sup> )	
	0.000 143.0 2.000 143.0 2.001 0.0	
	©1982-2020 Innovyze	