The Park - Drainage & Paving Maintenance Plan

Job. No. 25020

Private Surface and Foul Water Drainage: Operation and Maintenance requirements

Maintenance	Required Action	Frequency
Regular maintenance	Inspect and identifying of any areas that are not operating correctly and taking remedial actions when necessary	Monthly for first 3 months, then every 6 months
	Debris and grass removal from catchment surface	
	When rainfall infiltrates into blocks from above, check surface of filter for blockage by silt or algae. Remove and replace surface infiltration medium as required.	
	Inspect all inlet and outlets, silt traps and clear silt and debris	6 monthly

Permeable/Porous Paving: Operation and Maintenance requirements

Maintenance	Required Action	Frequency
NOTE	Don't put loose materials, such as sand, cement or soil onto the paving without covering the surface with a tarpaulin or similar sheeting.	**At all times**
Regular maintenance and remedial work	Ideally, after heavy rainfall, inspect and identify any areas that are not operating correctly - ponding will be apparent.	6 monthly - Yearly
	To keep the joints clear, sweep the surface with a stiff brush or vacuum the detritus out of the joints.	6 monthly - Yearly
	Remove any vegitation from the joints - manually or using a suitable weedkiller.	6 monthly - Yearly
	Winter maintenance: Don't use de-icing salts with added sand or grit.	If needed

Flow Control: Operation and Maintenance requirements

Maintenance	Required Action	Frequency
Regular maintenance	Inspect the manhole and flow control device to identify any areas that are not operating correctly and take remedial actions when necessary	6 monthly
	Debris removal from the manhole	6 monthly
Remedial work	Inspect and repair all inlets and outlet pipes to control manhole	As required
	Clean the flow control outlet pipe to avoid future blockages	As required
	Removal of silt build up within the sump area and manhole in general	As required

WYTHENSHAWE COMMUNITY HOUSING GROUP CHOSEN MAINTENANCE AND MANAGEMENT COMPANY WILL BE LOOKING AFTER THE MAINTENANCE ON THE PROPERTY

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. DO NOT SCALE THIS DRAWING. ALL DETAILS AND DIMENSIONS ARE TO BE CHECKED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER.
3. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE
4. ALL LEVELS ARE RELEVANT TO ORDNANCE DATUM (NEWLYN).
5. LOCATION OF EXISTING SEWERS, UTILITIES AND SERVICES TO BE SURVEYED BEFORE COMMENCING WORK ON SITE.
6. ALL ADOPTABLE SEWER WORKS AND MATERIAL TO BE IN ACCORDANCE WITH "SEWERS FOR ADOPTION" 6TH EDITION, THE RELEVANT BRITISH/EUROPEAN AND UNITED UTILITIES'S STANDARDS/REQUIREMENTS/ADDENDUM TO THE MECHANICAL AND ELECTRICAL SPECIFICATION AND KITEMARKED.

EXISTING 675Ø FOUL SEWER
EXISTING 750Ø SURFACE WATER SEWER
EXISTING 675Ø FOUL SEWER
EXISTING 100Ø FOUL SEWER
EXISTING INVERT LEVEL TO BE CONFIRMED, PRIOR TO CONSTRUCTION
PROPOSED CONNECTION TO EXISTING SURFACE WATER SEWER MANHOLE SUBJECT TO UU APPROVAL
FLOW RATE SUBJECT TO LLFA & UU APPROVAL
PROPOSED CONTROL CHAMBER 49mm ORIFACE PLATE Q=5l/s
EXISTING DRAINAGE CONNECTIONS TO BE SURVEYED AND ABANDONED IF NOT IN USE.
S7 CL29.98 IL28.815
12.780m 225Ø 1:165 1.005
S6-FC CL30.407 IL28.892
F1-PPIC CL30.00 IL28.95
150Ø
600Ø 1:400 1.004
41.726m
F2-PPIC CL29.90 IL28.71
7.25m
6.00m
150Ø 1:80
S1(PPIC) CL30.300 IL29.789
225Ø FFL 30.225
1130Ø 1:150 1.006
20.995m
S2 (PPIC) CL30.175 IL29.649
13.60m
150Ø 1:150 1.001
150Ø 1:150 1.002
S3PPIC) CL30.075 IL29.558
S4(PPIC) CL30.200 IL29.528
150Ø 1:150 1.003
12.765m
EXISTING 675Ø FOUL SEWER
LINE AND LEVEL TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION
CONNECTION INTO EXISTING 675Ø FOUL SEWER SUBJECT TO UU S106 APPROVAL.
F3 CL30.420 IL28.45
S5 CL30.528 IL28.996
4.80m
9.77m
14.35m
ALL PIPE WORK BELOW 900mm TO HAVE CONCRETE BED AND SURROUND.
11nr. PARKING BAYS TO BE IMPERMEABLE AND FALL TOWARDS THE PERMEABLE PAVING IN THE CENTRE.
ALL PERMEABLE PAVING TO HAVE 450mm OF CLEAN STONE, TO BE WRAPPED IN GEO-CELLULAR LAYER TO BE USED AS STORAGE AND TO CLEAN FLOWS

Perm Paving 1: Depth: 450mm Volume of storage: 31m³
Perm Paving 2: Depth: 450mm Volume of storage: 10.3m³
Perm Paving 3: Depth: 450mm Volume of storage: 19.6m³
Perm Paving 4: Depth: 450mm Volume of storage: 21.10m³
Perm Paving 5: Depth: 450mm Volume of storage: 10.3m³
Perm Paving 6: Depth: 450mm Volume of storage: 10.3m³

DRAINAGE HIERARCHY
- INFILTRATION NOT VIABLE DUE TO HIGH GROUND WATER PRESENT. REFER TO LK GROUP SITE INVESTIGATION REPORT
- NO WATERCOURSE PRESENT.
- EXISTING SURFACE AND FOUL WATER SEWER PRESENT NEARBY TO THE SITE.
- FOUL WATER RATE TO BE UNRESTRICTED.
- SURFACE WATER RATE TO BE 5L/S CONFIRMED BY UU

Rev:	Description:	Date:	By:	Chkd:
K	Updated to Watsons Comments	26.08.26	DW	DW
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H	NOTE ADDED TO DRAWING	18.08.26	DW	DW
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F	Updated to suit latest layout	06.07.26	ET	DW
E	Updated to suit latest layout	26.06.26	ET	DW
D	Updated gully location	03.06.26	ET	DW
C	Updated to suit latest layout	28.05.26	ET	DW
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