

Maintenance period	Maintenance Task	Frequency
Regular	Brushing and vacuuming (standard cosmetic sweep over whole surface)	Once a year, after autumn leaf fall, or as required, based on site specific observations of clogging or manufacturer's recommendations.
Occasional	Removal of weeds	As required
Remedial work	Remediation work to any depressions, rutting and cracked or broken blocks considered detrimental to the structural performance or a hazard to users	As required
Monitoring	Inspect silt accumulation rates and establish appropriate brushing frequencies	Annually
	Monitor inspection chambers	Annually

Maintenance period	Maintenance Task	Frequency
Regular	Inspect all components including soil substrate, vegetation, drains, membranes and roof structure for proper operation, integrity of waterproofing and structural stability	Annually and after severe storms
	Inspect soil substrate for evidence of erosion channels and identify any sediment source	Annually and after severe storms
	Inspect drain inlets to ensure unrestricted run-off from the drainage layer to conveyance or roof drain system.	Annually and after severe storms
	Inspect underside of roof for evidence of leakage.	Annually and after severe storms
	Remove debris and litter to prevent clogging of inlet drains and interference with plant growth.	Six monthly and annually or as required
	During establishment (i.e. year one), replace dead plants as required.	Monthly
	Post-establishment, replace dead plants as required (where 25% of coverage)	Annually (in autumn)
	Remove fallen leaves and debris from deciduous plant foliage.	Six monthly or as required
	Remove nuisance and invasive vegetation, including weeds	Six monthly or as required

Maintenance period	Maintenance Task	Frequency
Regular	Inspect and identify any elements that are not operating correctly. If required, take remedial action.	Monthly for three months, then annually
	Remove sediment/debris from catchment surface that may lead to blockage of structures.	Monthly or as required
	Remove sediment/debris from catch pits/gullies and control structures.	Annually, after severe storms or as required
Remedial Work	Repair inlets, outlets, vents, overflows and control structures.	As required
	Inspect all inlets, outlets, vents, overflows and control structures to ensure they are in good condition and operating as designed.	Annually or after severe storms
Monitoring	Survey inside of system for sediment build-up and remove if necessary	Every year or as required

Maintenance period	Maintenance Task	Frequency
Occasional	Removal of weeds	As required
Remedial work	Remediation work to any depressions or rutting in the soil	As required
Monitoring	Inspect silt accumulation rates and establish appropriate brushing frequencies	Annually
	Monitor downstream inspection chambers	Annually

- NOTES**
- ALL DRAWINGS TO BE CHECKED BY CONTRACTOR ON SITE AND ENGINEER INFORMED OF DISCREPANCIES BEFORE WORK COMMENCES
 - ALL LEVELS ARE IN METRES AND ARE RELATED TO ORDNANCE DATUM
 - ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE
 - CONTRACTOR SHALL SATISFY HIMSELF AS TO THE ACCURACY OF PAVEMENT LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORKS ON SITE
 - ALL SURFACE WATER DRAINAGE WORKS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY'S CODE OF PRACTICE FOR DRAINAGE AND THE SUDS
 - ALL SURFACE WATER SEWERS TO BE CLASS H CONCRETE TO EN1916 & IS 6 2004.
 - ALL FOLIAGE DRAINAGE WORKS TO BE IN ACCORDANCE WITH IRISH WATER'S CODE OF PRACTICE FOR WASTEWATER SUPPLY AND WASTEWATER INFRASTRUCTURE STANDARD DETAILS.
 - FOLIAGE SEWERS TO BE THERMOPLASTIC STRUCTURED WALL PIPES (COMPLYING WITH THE PROVISION OF IS EN 13476 AND WS 4-35-01 2000) AND COMPLY WITH THE REQUIREMENTS OF THE IRISH WATER CODE OF PRACTICE FOR WATER SUPPLY AND WATER INFRASTRUCTURE STANDARD DETAILS.
 - WATERMAIN INSTALLATION AND ALL WATER SUPPLY WORKS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF IRISH WATER'S CODE OF PRACTICE FOR WATER SUPPLY AND WATER INFRASTRUCTURE STANDARD DETAILS.
 - WATERMANS TO BE TYPE HPE, PE-100, SDR-17 RATED AND SHALL CONFORM TO IS EN 12201 (PART 1, PART 2 & PART 3).
 - WATERMAIN SERVICE CONNECTION PIPES TO BE HDPE (PE-80) MATERIAL WITH SDR-17 RATING.
 - RISING MAIN PIPES AND FITTINGS TO BE POLYETHYLENE PE100 AND SHALL COMPLY WITH IS EN 12201.
 - ANCHOR BLOCKS TO BE POSITIONED AT DEAD ENDS, TEES, BENDS AND AT EACH SIDE OF HYDRANTS AND VALVES IN ACCORDANCE WITH THE REQUIREMENTS OF IRISH WATER STANDARD DETAIL STD-W-28 (WATER MAIN THRUST AND SUPPORT BLOCKS).
 - ALL DOMESTIC PROPERTIES TO BE WITHIN 46m FROM A HYDRANT.
 - HYDRANT OUTLET TO BE 200mm BELOW GROUND LEVEL UNLESS REQUESTED OTHERWISE.
 - WHERE COVER TO PIPE IS LESS THAN 800mm IN GREEN AREAS AND 1200mm IN TRAFFICED AREAS, ENCASE PIPE IN NEW 150mm CONCRETE WITH MOVEMENT JOINTS.

- LEGEND**
- SS2 CL 76.02 IL 75.00 PROPOSED SURFACE WATER MANHOLE
 - 725#01100 PROPOSED SURFACE WATER SENR
 - TP1 PROPOSED TREE PIT
 - RWP PROPOSED RAINWATER DOWNPIPE
 - FS EXISTING FOLIAGE SENR
 - SW EXISTING SURFACE WATER SENR
 - WM EXISTING WATERMAIN
 - Red outline SITE OUTLINED RED (0.46m/s)
 - Dashed line BASEMENT OUTLINE
 - Grey fill PROPOSED BUILDING
 - Green fill PROPOSED GREEN ROOF ATTENUATION
 - Blue fill PROPOSED PERMEABLE PAVING

Rev	Date	Description	SM	SJ	By	Chk
P	02/09/21	ISSUED FOR PLANNING	SM	SJ		

PLANNING

gdcl
CONSULTING ENGINEERS

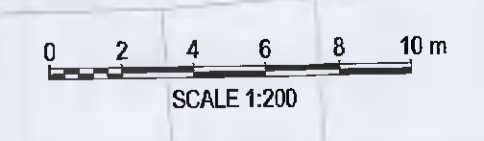
Scope House, 75 Shelton Street, Covent Garden, London WC2H 8JQ
Perrystown, Dublin D12 K8PP www.gdclconsulting.com

PROJECT
Silver Granite, Palmerstown

CLIENT
Hollyville Investments Ltd.

DRAWING TITLE
SuDS Strategy Layout

dm. by: SM	date: OCT20	scale: 1:200
drawing size: A1	chk: SJ	app: GD
job no: P-2012	drw. no: P-2012-C-105	rev: P



NOT FOR CONSTRUCTION