

MAINTENANCE SCHEDULES

Attenuation Tank Maintenance Schedule

SUDS Element	Maintenance	Maintenance Task	Frequency
Attenuation Tank	Maintenance Issues	Failure of components, blockage from debris	
	Maintenance Period		
	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	Cleaning of grated "brico" manholes	Annually, after severe storms or as required	
Monitoring	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	
	Survey inside of tank for sediment build-up and remove if necessary	Every year or as required	

ATTENUATION TANK MAINTENANCE SCHEDULE

Permeable Paving Maintenance Schedule

SUDS Element	Maintenance	Maintenance Task	Frequency
Permeable Paving	Maintenance Period		
	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
	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	

PERMEABLE PAVING MAINTENANCE SCHEDULE

Petrol Interceptor Maintenance Schedule

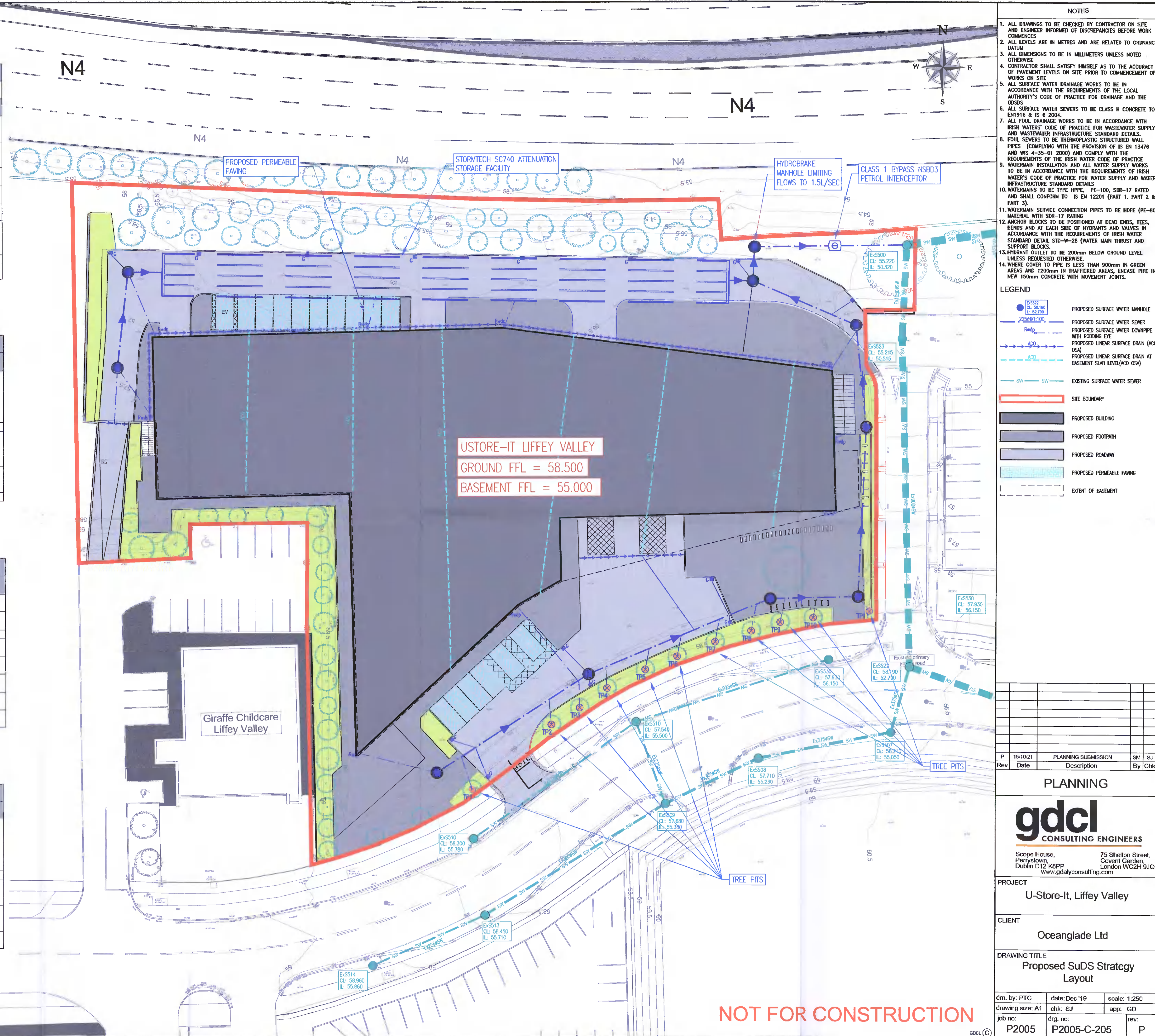
SUDS Element	Maintenance	Maintenance Task	Frequency
Petrol Interceptor	Maintenance Period		
	Regular inspections	Inspect upstream and downstream manholes visually and assess silt build-up	Quarterly
		Measure the thickness of oil and assess the level of sludge/silt	Biannually
	Regular maintenance	Level of sludge/silt to be assessed	Biannually
		Servicing of petrol interceptor by manufacturer	Biannually
Remedial work	Integrity of interceptor to be assessed by manufacturer	Biannually	
	Interceptor to be cleared of possible blockages by means of inspections	Quarterly	
	Removal and replacing of interceptor to be carried out by manufacturer	As required	
	Inspector to produce written interceptor inspection report	Post-inspection	

PETROL INTERCEPTOR MAINTENANCE SCHEDULE

Tree Pit Maintenance Schedule

SUDS Element	Maintenance	Maintenance Task	Frequency
Tree Pit	Maintenance Period		
	Regular	Brushing and vacuuming (standard cosmetic sweep over tree pit 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
	Remedial work	Remediation work to any soil depressions, which might compromise the integrity of the tree pit.	As required
	Monitoring	Inspect silt accumulation rates and establish appropriate brushing frequencies	Annually
Monitor connections to inspection chambers		Annually	

TREE PIT MAINTENANCE SCHEDULE



- 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 TO BE 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 GSDS
 - ALL SURFACE WATER SEWERS TO BE CLASS H CONCRETE TO EN1916 & IS 6 2004.
 - ALL FOU DRAINAGE WORKS TO BE IN ACCORDANCE WITH IRISH WATER'S CODE OF PRACTICE FOR WASTEWATER SUPPLY AND WASTEWATER INFRASTRUCTURE STANDARD DETAILS.
 - FOUL 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
 - 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 SD-W-28 (WATER MAIN THRUST AND SUPPORT BLOCKS).
 - HYDRANT OUTLET TO BE 200mm BELOW GROUND LEVEL UNLESS REQUESTED OTHERWISE.
 - WHERE COVER TO PIPE IS LESS THAN 900mm IN GREEN AREAS AND 1200mm IN TRAFFICKED AREAS, ENCASE PIPE IN NEW 150mm CONCRETE WITH MOVEMENT JOINTS.

- LEGEND
- PROPOSED SURFACE WATER MANHOLE
 - PROPOSED SURFACE WATER SEWER
 - PROPOSED SURFACE WATER DOWNPIPE WITH RODDING EYE
 - PROPOSED LINEAR SURFACE DRAIN (ACO)
 - PROPOSED LINEAR SURFACE DRAIN AT BASEMENT SLAB LEVEL(ACO)
 - EXISTING SURFACE WATER SEWER
 - SITE BOUNDARY
 - PROPOSED BUILDING
 - PROPOSED FOOTPATH
 - PROPOSED ROADWAY
 - PROPOSED PERMEABLE PAVING
 - EXTENT OF BASEMENT

Rev	Date	Description	SM	SJ	By	Chk
P	15/10/21	PLANNING SUBMISSION				

PLANNING

gdcl
CONSULTING ENGINEERS

Scope House,
Perrystown,
Dublin D12 K8PP
www.gdclconsulting.com

75 Shelton Street,
Covent Garden,
London WC2H 9JQ

PROJECT
U-Store-It, Liffey Valley

CLIENT
Oceanglade Ltd

DRAWING TITLE
Proposed SuDS Strategy Layout

dm. by: PTC	date: Dec '19	scale: 1:250
drawing size: A1	chk: SJ	app: GD
job no: P2005	drg. no: P2005-C-205	rev: P

NOT FOR CONSTRUCTION