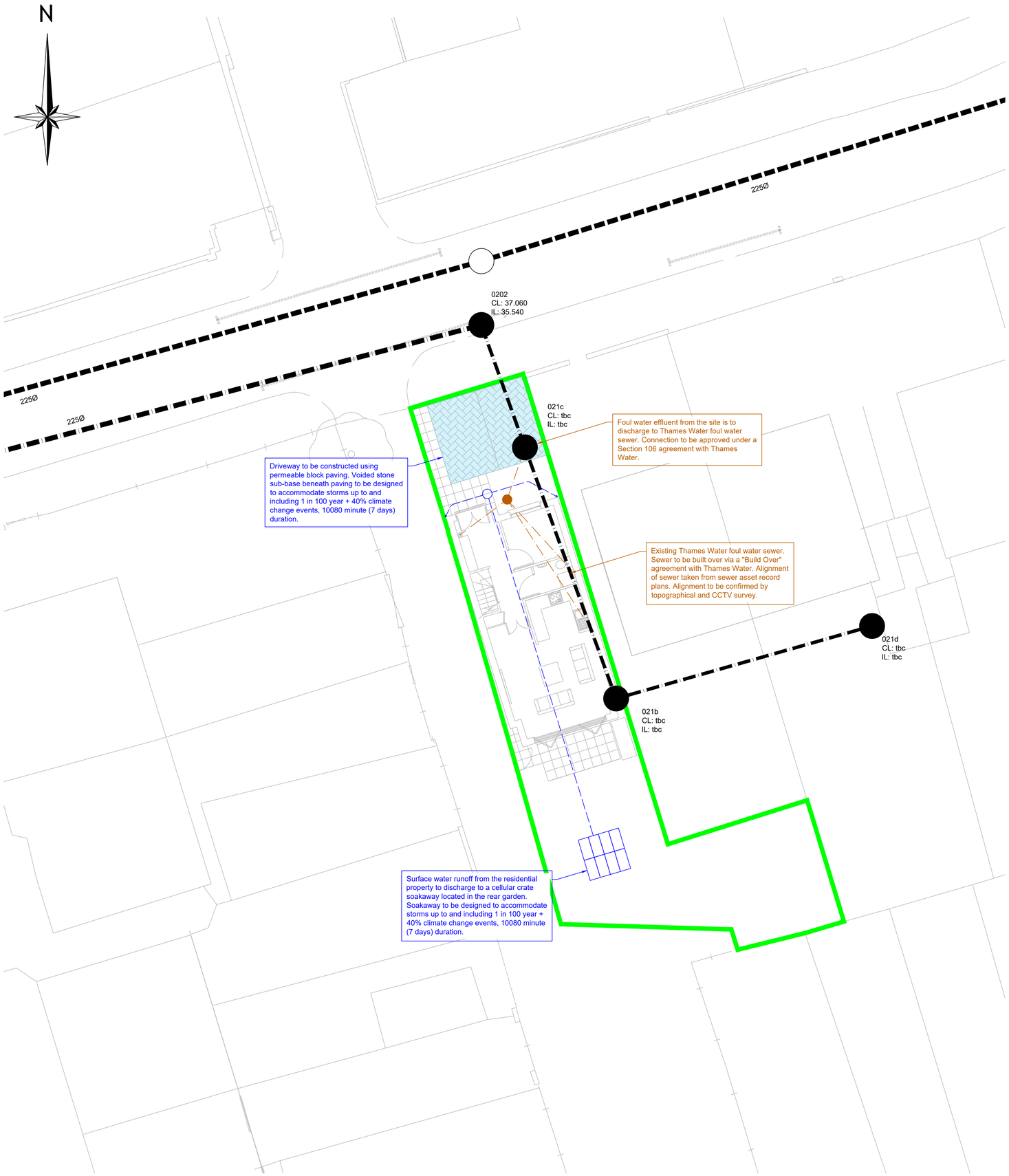

Operation and Maintenance Requirements for Pervious Pavements		
Maintenance Schedule	**Required Action**	**Typical Frequency**
Regular Maintenance	Brushing and vacuuming (standard cosmetic sweep over whole surface)	Once a year, after autumn leaf fall, or reduced frequency as required, based on site-specific observations of clogging or manufacturer's recommendations- pay particular attention to areas where water runs onto pervious surface from adjacent impermeable areas as this area is most likely to collect
Occasional Maintenance	Stabilise and mow contributing and adjacent areas	As required
	Removal of weeds or management using glyphosphate applied directly into the weeds by an applicator rather than spraying	As required- once a year on less frequently used pavements
Remedial Actions	Remediate any landscaping which, through vegetation maintenance or soil slip, has been raised to within 50mm of the level of the paving	As required
	Remedial work to any depressions, rutting and cracked or broken blocks considered detrimental to the structural performance or a hazard to users, and replace lost jointing material	As required
	Rehabilitation of surface and upper substructure by remedial sweeping	Every 10 to 15 years or as required (if infiltration performance is reduced due to significant clogging)
Monitoring	Initial Inspection	Monthly for three months after installation
	Inspect for evidence of poor operation and/or weed growth- if required, take remedial action	Three-monthly, 48h after large storms in first six months
	Inspect silt accumulation rates and establish appropriate brushing frequencies	Annually
	Monitor inspection chambers	Annually

Operation and Maintenance Requirements for Proprietary Treatment System (Trapped Rainwater Downpipes)		
Maintenance Schedule	**Required Action**	**Typical Frequency**
Routine Maintenance	Remove litter and debris and inspect for sediment, oil and grease accumulation.	Six monthly
	Remove sediment, oil, grease and floatables.	As necessary - indicated by system inspections or immediately following significant spill.
Remedial Actions	Replace malfunctioning parts or structures.	As required.
Monitoring	Inspect for evidence of poor operation	Six monthly
	Inspect sediment accumulation rates and establish appropriate removal frequancies.	Monthly during first half of operation, then six months.

Operation and Maintenance Requirements for Soakaways		
Maintenance Schedule	**Required Action**	**Typical Frequency**
Regular Maintenance	Inspect for sediment and debris in pre-treatment components and floor of inspection tube or chamber and inside of concrete manhole rings.	Annually
	Cleaning of gutter and any filters on downpipes.	Annually (or as required based on inspections)
	Trimming of gutter and any filters on downpipes	Annually (or as required)
Occasional Maintenance	Remove sediment and debris from pre-treatment components and floor of inspection tube or chamber and inside of concrete manhole rings.	As required, based on inspections.
Remedial Actions	Reconstruct soakaway and/or replace or clean void fill, if performance deteriorates or failure occurs.	As required.
	Replacement of clogged geotextile (will require reconstruction of soakaway)	As required.
Monitoring	Inspect silt traps and note rate of sediment accumulation	Monthly in the first year and then annually.
	Check soakaway to ensure emptying is occuring.	Annually.

Operation and Maintenance Requirements for Piped Drainage Network		
Maintenance Schedule	**Required Action**	**Typical Frequency**
Regular	Inspection of manholes for debris and sediment build-up	Annually (and following poor performance)
	Cleaning of manhole chambers and removing any debris and sediment build-up.	Annually (and following poor performance)
Occasional Maintenance	Jetting of pipes between manholes to flush any debris and sediment build-up down the pipes. Debris and sediment build-up to be collected at the downstream manhole and removed from the piped network.	Three monthly (or as required)
Monitoring	Survey pipes for any signs of root ingress, cracking or collapse and undertake remedial work to replace pipe runs as necessary.	Every 5 years or as required following poor performance.

Operation and Maintenance Requirements for Rainwater Harvesting (Water Butts)		
Maintenance Schedule	**Required Action**	**Typical Frequency**
Regular Maintenance	Inspection of the tank for debris and sediment build-up, inlets / outlets / withdrawal devices, overflow areas, pumps and filters.	Annually (and following poor performance)
	Cleaning of tank, inlets, outlets, gutters, wihdrawal devices and roof drain filters of silts and other debris.	Annually (and following poor performance)
Occasional Maintenance	Cleaning and / or replacement of any filters.	Three monthly (or as required)
Remedial Actions	Repair overflows erosion damage or damge to tank	As required
	Pump repairs	As required

G30 Consulting Ltd

General Notes

1. Do not scale this drawing.
2. All dimensions are in millimeters unless stated otherwise.
3. This drawing is to be read in conjunction with all other relevant drawings & specifications.
4. All proprietary items to be installed in strict compliance with manufacturers instructions and recommendations.
5. No works shall commence on site until approval has been obtained from all relevant Agencies / Authorities.
6. All dimensions referred to in this drawing must be verified.

Key

- Site boundary
- Existing Thames Water foul water manhole
- Existing Thames Water foul water drain
- Proposed foul water manhole
- Proposed foul water drain
- Existing Thames Water surface water manhole
- Existing Thames Water surface water drain
- Proposed surface water manhole
- Proposed surface water drain
- Cellular crate soakaway

Revision	Description	Date
P2	Surface water drainage layout revised. Maintenance schedules updated to suit.	17.05.2021
P1	First Issue	18.01.2021

PRELIMINARY

59 Springfield Road, Sheffield, South Yorkshire, S7 2GG
W: www.g30consulting.com
E: enquiries@g30consulting.com
T: 0114 349 2720

Project
Land Adjacent 2 Evelyns Close, Hillingdon, UB8 3LR

Title
Foul and Surface Water Drainage Layout Plan

Drawn by	Checked by	Paper Size
SG	SG	A1

Drawing Number	Revision	Scale	Date
09-0029-001	P2	1:100	18.01.2021