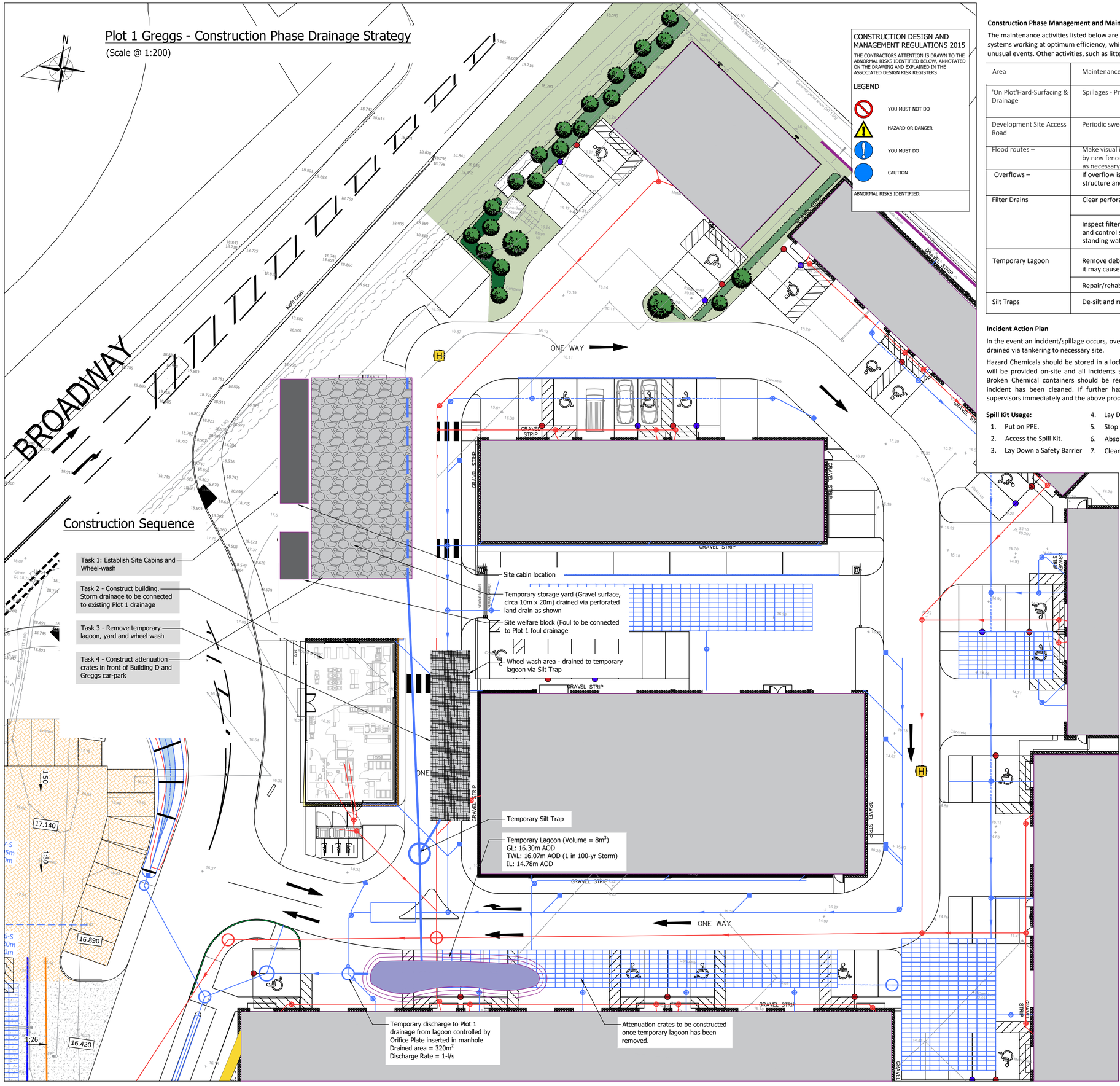
Plot 1 Greggs - Construction Phase Drainage Strategy

(Scale @ 1:200)



Construction Sequence

Task 1: Establish Site Cabins and Wheel-wash

Task 2 - Construct building. Storm drainage to be connected to existing Plot 1 drainage

Task 3 - Remove temporary lagoon, yard and wheel wash

Task 4 - Construct attenuation crates in front of Building D and Greggs car-park

CONSTRUCTION DESIGN AND MANAGEMENT REGULATIONS 2015

THE CONTRACTORS ATTENTION IS DRAWN TO THE ABNORMAL RISKS IDENTIFIED BELOW, ANNOTATED ON THE DRAWING AND EXPLAINED IN THE ASSOCIATED DESIGN RISK REGISTERS

LEGEND

- YOU MUST NOT DO
- HAZARD OR DANGER
- YOU MUST DO
- CAUTION

ABNORMAL RISKS IDENTIFIED:

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Construction Phase Management and Maintenance

The maintenance activities listed below are considered to be the basic tasks necessary to keep the site drainage systems working at optimum efficiency, which is necessary to ensure that they have capacity to deal with extreme/ unusual events. Other activities, such as litter removal/ repairs etc. will be required.

Area	Maintenance Activity	Frequency	Responsibility
'On Plot'Hard-Surfacing & Drainage	Spillages - Provision of Spill Kits to contain contaminants	As required	Site supervisor
Development Site Access Road	Periodic sweeping to remove debris, leaves,etc	Every 2-4 weeks during autumn	Site supervisor
Flood routes –	Make visual inspection. Check route is not blocked by new fences, walls, soil or other rubbish. Remove as necessary-	Monthly	Site supervisor
Overflows –	If overflow is not clear then dismantle the structure and reassemble to design detail	As required	Site Supervisor
Filter Drains	Clear perforated pipework of blockages	As required	Site Supervisor
	Inspect filter drain surface, inlet/outlet pipework and control systems for blockages, clogging, standing water and structural damage	Monthly	Site Supervisor
Temporary Lagoon	Remove debris from the catchment surface (where it may cause risks to performance)	Monthly	Site Supervisor
	Repair/rehabilitate inlets, outlet,	As Required	Site Supervisor
Silt Traps	De-silt and remove litter and debris.	Every 2-4 Weeks in Autumn, and monthly throughout rest of year.	Site Supervisor

Incident Action Plan

In the event an incident/spillage occurs, overflow from settlement lagoon to be covered and lagoon drained via tankering to necessary site.

Hazard Chemicals should be stored in a lockable container. In the event a spillage occurs, spill kits will be provided on-site and all incidents should be cleaned/fixed, before construction resumes. Broken Chemical containers should be removed from site by an approved company once the incident has been cleaned. If further hazardous material is found, staff should inform their supervisors immediately and the above procedure should be followed.

Spill Kit Usage:

1. Put on PPE.
2. Access the Spill Kit.
3. Lay Down a Safety Barrier
4. Lay Down a Safety Barrier.
5. Stop the Leak.
6. Absorb the Spillage.
7. Clean- up the spill site.
8. Dispose of contaminated Chemical Waste.
9. Report the Incident.

	Land Use	Non-residential Car Park	Commercial/Industrial Roofs
Pollution Hazard Level		Medium	Low
Total Suspended Solids (TSS)		0.7	0.3
Metals		0.6	0.2
Hydro-Carbons		0.7	0.05
Mitigation Indices	**Type of SuDS Component**	**Bioretention System**	**Silt Trap**
	TSS	0.8	0.3
	Metals	0.8	0.3
	Hydro-Carbons	0.8	0.2
Residual Indices	**TSS**	0	0
	Metals	0	0
	Hydro-Carbons	0	0

Key

- HB-HALF BATTERED KERB
- BN-BULLNOSE KERB
- TN-TRANSITION KERB
- EF-EDGING OF FOOTPATH
- Permeable Paving
- Proposed Access Road Construction
- Proposed Footpath
- Proposed Concrete Yard Construction
- Proposed Levels
- 1:36 Arrow Gradient
- Existing Levels
- Surface Water Polypropylene Inspection Chamber
- Private Surface Water Manhole
- Surface Water Pipeline
- Surface Water Perforated Pipeline
- Rodding Eye
- Rain Water Pipe discharges to driveway
- Drainage Channel
- Existing Surface Water Manhole
- Existing Surface Water Pipeline
- Foul Water Polypropylene Inspection Chamber
- Foul Water Pipeline
- Existing Surface Water Manhole to be demolished
- Existing Surface Water Pipeline to be demolished
- Existing Gully to be demolished

Client
Barnack Estates UK Ltd

Project
Broadway, Yaxley

Title
Plot 1 - Greggs Construction Phase Drainage Strategy

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