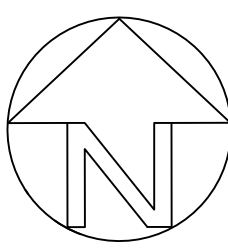




Detention basin operation & maintenance requirements

Maintenance Schedule	Required Action	Recommended Frequency
Regular maintenance	Litter and debris removal.	Monthly.
	Grass cutting - for spillways and access routes.	Monthly (during growing season) or as required.
	Grass cutting - meadow grass in and around basin.	Half yearly (spring - before nesting season, and autumn).
	Manage other vegetation and remove nuisance plants.	Monthly (at start then as required).
	Tidy all dead growth before start of growing season.	Annually.
	Remove sediments from inlets, outlet and forebay.	Annually. (or as required).
	Manage wetlands plants in outlet pool - where provided.	Annually.
	Re-seed area of poor vegetation growth.	Annually. (or as required).
	Prune and trim trees and remove cuttings.	2 years, (or as required).
	Remove sediments from forebay, when 50% full and from micropools if volume is reduced by >25%.	3-10 years, (or as required).
Occasional maintenance	Repair of erosion or other damage by re-seeding or re-turfing.	As required.
	Re-alignment of rip-rap.	As required.
	Repair/rehabilitation of inlets, outlets and overflows.	As required.
	Re-level uneven surfaces and reinstatement design levels.	As required.
Remedial actions	Inspect inlets, outlets and overflows for blockages, and clear if required.	Monthly/after large storms.
	Inspect bankside, structures and pipework, etc for evidence of physical damage.	Monthly/after large storms.
Monitoring	Inspect inlets and facility surface for silt accumulation. Establish appropriate silt removal frequencies.	Half yearly.
	Check penstocks and other mechanical devices.	Half yearly.



General Notes

This drawing is to be used in conjunction with all relevant drawings, specifications and details. All dimensions are in metres unless noted otherwise. Do not scale from this drawing.

Drawing Key

- Site boundary (Taken from latest architect site layout)
- Phase 2 boundary (Taken from latest architect site layout)
- Proposed surface water sewer with manhole
- Proposed foul water sewer with manhole
- Proposed foul water rising main
- 9m existing ditch standoff (in accordance with North Level District IDB)
- Proposed banking works

EGL: 1.000
MGL: 1.765 (+0.765)
IL: 0.115

MIN FFL = 2.190
Minimum cover level (Difference from EGL)
Minimum finished floor level
Indicative private foul water drainage
Indicative private storm water drainage

Storm water drainage strategy:

Outfall to ditch "B2" via piped network and attenuation basin.
Basin sized at 35m³ to accommodate all flows up to and including 1 in 100 year + 40% CC storm event
All systems except attenuation basin are to be adopted by Anglian Water
MINIMUM FLOOR LEVEL TO BE 2.19M IN ACCORDANCE WITH CONDITION 3.8

Rev	C	Drawing updated to show Suds plan.			By	GA	Checked	TH	06.01.2020
Rev	B	Drawing updated following receipt of latest site layout. Revised based on latest drainage strategy			By	JW	Checked	TH	06.09.2019
Rev	A	Pond layout updated following confirmation of flow rate from IDB			By	JW	Checked	TH	24.05.2019
Drawn By:	JW		Client	L&H Homes					
Chkd By:	TH		Project	Housing Development Crease Drive Crowland Drainage Strategy					
Scale @ A0:	1:250		Title						
Date:	April 2019								
Status:	FOR PLANNING								
Project No.:	11557H		Drawing No:	101					
Rev:	C								

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