



HydroBrake Control MH S9
 HydroBrake Optimum
 CTL-SHE-0132-8100-1000-8100
 HydroBrake Orifice size = 132mm
 - Design head - 1.0m
 - Design Flow - 8.1l/s

Approx extent of slopes back to natural ground level @ max 1:2.5

Adoptable SUDS Detention Basin
 • Basin area excluding 1.5m maintenance strip = 330m²
 • Basin storage volume at 1.3m deep = 484m³
 Top water levels to be:-
 131.276 for 1:1yr
 131.649 for 1:30yr
 131.836 for 1:100yr
 132.113 for 1:100yr +40%

Please refer to drawings 6972/210 for detailed detention basin information and details

Low Flow Channel
 IL: 131.112

Approx extent of slopes back to natural ground level @ max 1:2.5

Indicative line of culvert discharging to existing watercourse

- Site Boundary
- Adoptable Surface Water Sewer
- Adoptable Foul Water Sewer
- - - Non Adoptable Surface plot drainage
- - - Non Adoptable Foul plot drainage
- Adoptable Surface Water MH
- Adoptable Foul Water MH
- G Road Gully
- Easement

- Adoptable Drainage
1. 150mm - 300mm pipework to be Polysewer by Polypipe.
 2. 375 - 450mm drainage to be Ridgisewer by Polypipe.
 3. All Adoptable drainage shall be constructed in accordance with United Utilities standard details, and all corresponding approved drawings.
 4. For detailed pipe bedding information please refer to United Utilities Standard details on UU STND/19/008 Rev A.

Plot 6
 Fl.134.80

Plot 7
 Fl.135.40

FFL 134.500

Plot 5
 Fl.134.55

Plot 4
 Fl.134.50

Plot 3
 Fl.134.44

Plot 2
 Fl.134

- Revisions
- E - 25/03/21 - Foul and surface water layout updated. (AC)
 - F - 08/04/21 - Foul and surface water inverts lowered.
 - G - 12/05/21 - Manhole diameters added. (AC)
 - H - 11/06/21 - Updated Basin to include low flow channel (S1)
 - J - 19/08/21 - Exceedance routes added (RB)
 - K - 07/09/21 - Foul Pipe 1.004 altered. (RB)
 - L - 16/09/21 - Northern site boundary altered. (RB)
 - M - 16/11/21 - Site Layout and drainage layout updated (AC)
 - N - 25/11/21 - Culvert diverted around existing houses to the west. (RB)
 - P - 03/03/22 - Site layout and drainage layout amended. (AC)
 - Q - 09/03/22 - Floor levels amended and MH diameters added. (AC)

PRELIMINARY

Project
Residential Development at School Brow, Moresby Parks

Client
Raemore Developments Limited

Drawing
Drainage Strategy
 Sheet 2 of 3

Project no	Drawing no	Date	Drawn by	Rev	Scale	Sheet
6972	201	Nov 20	AC	Q	1:200	A1

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