



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

Exceedance Route

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

Raise levels locally to provide sufficient cover to pipe or re-grade from crest of detention basin to watercourse @ approx. 1:15

1.5m wide maintenance strip around entire basin

New outfall to existing watercourse

Low Flow Channel IL: 131.112

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

Access track

GAS

GAS

GAS

GAS

GAS

GAS

GAS

GAS

GAS

GAS

GAS

Legend

- 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
- Road Gully
- Easement

Adoptable Drainage

- 150mm - 300mm pipework to be Polysewer by Polypipe.
- 375 - 450mm drainage to be Ridgisewer by Polypipe.
- All Adoptable drainage shall be constructed in accordance with United Utilities standard details, and all corresponding approved drawings.
- For detailed pipe bedding information please refer to United Utilities Standard details on UJ 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

Indicative line of culvert discharging to existing watercourse

- Revisions**
- E - 25/03/21 - Foul and surface water layout updated. (AC)
 - F - 08/04/21 - Foul and surface water inverts lowered. (AC)
 - 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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