



HydroBrake Control MH S19
 HydroBrake Optimum
 CTL-SHE-0132-8100-1000-8100
 HydroBrake Orifice size = 132mm
 - Design head - 1.0m
 - Design Flow - 8.1/s

1.5m wide maintenance strip around entire basin

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

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:-
 131.315 for 1:1yr
 131.755 for 1:30yr
 131.952 for 1:100yr

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

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
- G Road Gully
- Easement

ALL ADAPTABLE DRAINAGE TO BE CONSTRUCTED IN ACCORDANCE WITH SEWER SECTOR GUIDANCE DOCUMENTS. DRAINAGE TO ALSO BE CONSTRUCTED IN ACCORDANCE WITH UNITED UTILITIES STANDARD DETAILS.

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

Access track

Low Flow Channel IL: 131.112

MH-S16
 13500 PCC
 CL: 133.500
 IL: 131.811

MH-S15
 15000 PCC
 CL: 133.600
 IL: 131.943

MH-S13
 13500 PCC
 CL: 135.250
 IL: 132.956

MH-F9
 12000 PCC
 CL: 135.526
 IL: 134.150

MH-S12
 15000 PCC
 CL: 135.442
 IL: 133.053

MH-F8
 10500 PCC
 CL: 135.800
 IL: 134.530

MH-S11
 10500 PCC
 CL: 135.880
 IL: 134.113

Level of Gas main to be verified on site and pipe crossing to be constructed in accordance with Northern Gas Networks technical guidance and details.

Plot 13
 FI.135.2

Plot 14
 FI.134.9

Plot 15
 FI.134.8

Plot 16
 FI.134.8

Plot 12
 FI.135.9

Plot 17
 FI.134.9

Plot 18
 FI.134.8

Revisions
 D - 19/03/21 - Foul water layout added and updated. Surface water amended 56 - pond. (AC)
 E - 25/03/21 - Foul and surface water layout updated. (AC)
 F - 08/04/21 - Foul and surface water inverts lowered. Indicative plot drainage connections added. (AC)
 G - 12/05/21 - Manhole diameters added. (AC)
 H - 11/06/21 - Updated Basin to include low flow channel (S1)

PRELIMINARY

Project
 Residential Development at
 School Brow, Moresby Parks

Client

Drawing
 Drainage Strategy
 Sheet 2 of 3

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

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