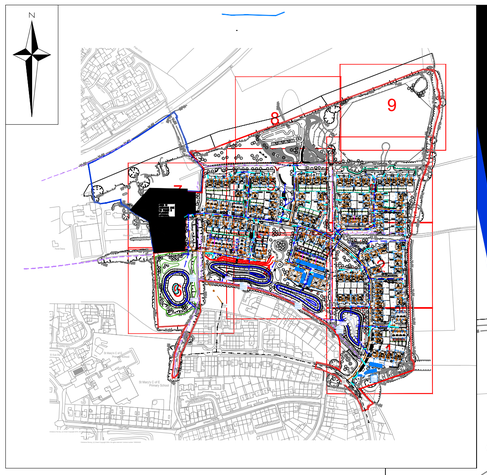


Drainage Key

- (150Ø 1:100) — Existing Surface Water Sewer
- 150Ø 1:100 1.001 — Proposed Adoptable Surface Water Sewer
- Adoptable Surface Water Manhole
- Adoptable Surface Water Type 3 Inspection Chamber
- GU's — Surface Water Gully & Connection
- 150Ø 1:100 — Proposed Private Surface Water Sewer
- Private Surface Water Manhole
- Private Surface Water Ø600mm PPIC
- Private Surface Water Ø450mm PPIC
- RE — Rodding Eye
- RWP — Rain Water Pipe Position
- YG — Yard Gully
- Linear Drainage Aco Channel
- Concrete Dished Channel with Yard Gully
- Granular Trench / French Drain
- Retaining Wall Drainage 100mm dia
- Permeable Block Paving
- Below Ground Storage Tank
- (150Ø 1:100) — Existing Foul Water Sewer
- 150Ø 1:100 1.001 — Proposed Adoptable Foul Water Sewer
- Adoptable Foul Water Manhole
- Adoptable Foul Water Type 3 Inspection Chamber
- 150Ø 1:100 — Proposed Private Foul Water Sewer
- Private Foul Water Manhole
- Private Foul Water Ø600mm PPIC
- Private Foul Water Ø450mm PPIC
- Private Foul Water Ø250mm PPIC
- SVP — Soil Vent Pipe Position
- G — Foul Water Gully
- Site Boundary
- Existing ditch
- Existing Ditch Removed / Stopped
- Heras Fencing - RPA
- RW — Retaining Wall

F45 CL:38.415 IL:35.063
S67 CL:37.430 IL: 33.376
F46 CL:38.500 IL: 34.939
150Ø @1:106
Stubb Capped IL:35.120 (Future Heritage Development Connection)
S57 CL35.890 IL32.585
Stubb Capped IL:32.925 (Future Heritage Development Connection)
750Ø @ 1:36 0.016
Headwall Type 1
Detention Basin 2
Top of Basin 32.500
Base of Basin 30.950
Shelf 31.700
Freeboard 32.100
1:100+45% cc Water Level 32.200
Approx Storage Volume To 100yr+45% Water Level 1696m³
Permanent Wet Pond Below Basin 650mm below base of Basin.
Pond IL 30.300
Permanent Water Level 30.950
Basin (2) CL 32.500 IL.30.950
Swales Margin, Freeboard, Shelf, Bank, Access Margin
S69 - Hydrobrake - 5.2 l/s CTL-SHE-0102-5200-1348-5200 CL32.500 IL30.850 Design Head 1.348m
750Ø @ 2.67 0.011
IL30.800
450Ø @ 1.189 10.000
SOUTFALL CL 31.982 IL 30.800
Headwall Type 2
F31 CL 37.113 IL 34.700
150Ø @1:110 4.005
F40 CL 37.332 IL 34.817
Turning for Fire and Refuse Vehicle
S46 CL37.320 IL35.985
F32 CL 34.089 IL 31.604
150Ø @1:13 1.004
RW 1800 Green Wall
RW 1200
RW 500
10 steps
8 steps
300Ø @ 1:275 9.000
F39 CL 37.72 IL 35.137
RW 1710
112 111 110 109 108 107 102 103 104 106
AR S/O
SPEY (DS) LB3P FFL 37.650
STOUR M4(2) NDSS 3 FFL 37.650
STOUR M4(2) NDSS 3 FFL 37.950
STOUR M4(2) NDSS FFL 37.950
TRENT M4(2) NDSS 2 FFL 38.025
TRENT M4(2) NDSS FFL 38.025
CL 37.505 IL 36.555
CL 37.675 IL 36.330
CL 37.650 IL 36.220
CL 37.835 IL 36.215
CL 37.900 IL 36.385
CL 37.840 IL 36.750
CL 37.950 IL 36.900
CL 37.900 IL 36.950
CL 38.015 IL 37.065
BCP
GU
GB 545
F33 (Ex MH 5103) CL 31.979 IL 30.020
S38 - Hydrobrake 8.5 l/s CTL-SHE-0131-8500-1300-8500 CL34.850 IL33.125 Design Head 1.300m
450Ø @ 1.47 13.189
450Ø @ 1:346 0.006
Headwall Type 1
Headwall Type 2
Ditch Outfall IL 33.100
150Ø @1:31 1.005
164
136

Notes:

1. This drawing presents the drainage layout for H9376 (890815).
2. Existing level information taken from NJC Survey topographical survey drawing number S1572/02 dated 18.03.2019.
3. The existing drainage information shown on this drawing is taken from Southern Water.
4. Ground conditions assessed in the site investigation report.
5. This drawing is to be printed in COLOUR.
6. House levels are Finished Floor Levels (FFL's).
7. Figures quoted next to manholes / rodding eyes are cover & invert level, in Metres AOD.
8. Footpaths are to be laid with a crossfall to allow drainage to soft landscaped areas.
9. This drawing is schematic for clarity, and where possible drains should be laid within 2m of houses, and connections kept as short as possible.
10. Where possible all drainage runs shall be kept a minimum of 4.0m from any existing tree that is to be retained.
11. This drawing has been prepared for House Drainage purposes only, and must not be used for House Setting Out.
12. All drainage design is subject to technical approval, no connections shall be made to any public sewers without written consent from the drainage authority.
13. The location of rain water pipes (RWP) are subject to confirmation by the Architect / Services Engineer.
14. The location of soil vent pipes (SVP) / stub stacks (SS) is subject to confirmation by the Architect / Services Engineer.
15. Where pipes pass under buildings, unless beam & block floors are used, they are to be surrounded in concrete.
16. All rest bends associated with stub stacks, soil vent pipes, wc connections and stub wastes are to be set with their inverts at 450mm below Finished Floor Level (FFL).
17. All drains and connections to be 100mm diameter, unless shown otherwise.
18. All branch drains, or connections, are to discharge to the collectors obliquely, and in the direction of the main flow.
19. All high void ratio attenuation units to be installed strictly in accoAMance with manufacturer's requirements.