N

4 x 6 Con Pad

4 x 6 Con Pad

4 x 6 Con Pad

4m wide type 1 track

4m wide type 1 track

Existing ditch. To be cleared of vegetation, silt & debris, and to be regraded where necessary to provide continuous fall from headwall

Path (unmade)

Existing ditch

Western Ditch

Top section of existing ditch to be deepened to allow gravity connection from new Pond

Bagwork Headwall with scour protection
IL 3.750m
See detail on Drawing 51

SW-06
1500Ø Type 2
Hydrobrake 13 l/s
SHE-0157-1300-1470-1300
Design Head 1.470m
By Hydro International
CL 6.300
IL 3.780
Base 3.245

Althon R10CA
Headwall with 150mm opening and hinged cranked grating
IL 3.800m

Glass House Catchment 2

Proposed Pond / Swales / Car Park and Hardstanding areas are part of Catchment 1

Pond
Storage Volume 810m³
Bed @ 3.800 - 4.100m
Top of Water 5.250m

Althon R20B
Headwall with two 600mm openings and hinged cranked gratings
IL 4.100m

Althon R20B
Headwall with two 600mm openings and hinged cranked gratings
IL 4.140m

1500Ø 3.8m @1:200 PN 4.000

1500Ø 8.3m @1:400 PN 4.000

1500Ø 15.3m @1:345 PN 4.000

DENSE VEGETATION

ROUGH TRACK

ROUGH TRACK

RIDGE 13.19

STORAGE

DP

CP

ARAB

SIN6
498871.51E
104220.43N
5.80m

GENERAL NOTES:

1. All dimensions to be checked on site. All details and dimensions relating to sub-Contractors work must be checked and agreed between the sub-Contractor or supplier and the general Contractor.

2. This drawing is to be read in conjunction with all relevant Architect's and Engineer's drawings and specification.

3. The main Contractor is responsible for ensuring the stability of the structure whilst the works are in progress.

4. Any information given regarding existing underground services is given in good faith after consultation with the relevant authority. No liability is accepted by the Consultant and the main Contractor is responsible for obtaining and checking all information and taking due care and attention whilst undertaking the works.

DRAINAGE NOTES:

1. All adoptable pipes, bends and junctions shall be vitrified clay to BS EN 295-1, with flexible joints and kitemark certified.

2. All Adoptable sewers shall be in strict accordance with the 7th edition of Sewers For Adoption. Unless otherwise stated adoptable sewers shall be 150mm diameter and shall be laid in a class S bedding. Where the depth to soffit is less than 1.2m under a public highway or 0.9m elsewhere the pipe shall be laid with a class Z bedding.

3. All private building drainage shall be constructed in strict accordance with BS EN 752:2008. Unless otherwise specified building drainage shall be 100mm diameter and shall be laid at a minimum gradient of 1 in 40 for foul drains and 1 in 80 for surface water drains. All building drains shall be laid in class B bedding unless otherwise specified.

4. Where a pipe is within 1m of a foundation the trench shall be filled with class GEN 3 concrete up to the lowest level of the foundation. Where the trench is further than 1m from the foundation, the trench shall be filled with class GEN 3 concrete to a level below the lowest level for the foundation equal to the distance from the foundation less 150mm. In both cases the pipe shall be bedded and surrounded in 150mm thick class GEN 3 concrete.

5. Where pipes, external to the structures, have a depth to soffit from ground level of less than 450mm they shall have a class GEN 3 concrete encasement (150mm thick). In all other cases the pipes shall be bedded and surrounded with 100mm thick granular material.

6. In any circumstances where pipes are bedded and surrounded in concrete flexible joints should be provided. Compressible boards (fibreboard or polystyrene) shall be provided at a maximum of 8m centres (coinciding with pipe joints). The boards shall be pre-cut to pipe diameter and to a height and width equal to the concrete cross section. A board thickness of 18mm for pipes up to 450mm nominal diameter and 36mm for pipes over 450mm nominal diameter.

7. All svps shall have rodding access plates fitted at their bases (ground floor level).

8. Where existing pipes are to be abandoned they shall be dug out together with any abandoned manholes.

9. Any discrepancy between the drawing and site should be reported immediately to the Engineer.

10. All manhole and chamber sizes are given as a minimum to meet the 7th edition of Sewers For Adoption

11. All pipes to connect soffit to soffit.

SHEET 1 SHEET 2 SHEET 3 SHEET 4 SHEET 5 SHEET 6

SHEET PLAN

LEVELS KEY

5.31+	Existing Topographical Survey Level
ex 4.684 ×	Existing Tie into Level
4.684 ×	Proposed Spot Level
1:11 ►	Proposed Gradient
6.000	Proposed Contours 50mm intervals on site 250mm intervals on pond

DRAINAGE KEY

Private Storm Drainage
- Type 2 Precast Concrete Manhole Type
- CP Catchpit Manholes
- Aco Channels
- Fin Drain
- French Drain
- Surface Water Drainage by Jackson Purdue Lever - See Drawings 001679-DR-D-4001 to 4004

Private Foul Drainage
- Type 2 Precast Concrete Manhole Type
- Type 3 Inspection Chambers
- Rising Main

Root Protection Area

REV	DATE	INT	DESCRIPTION	CHK
G	02.11.21	PR	Swale outfall headwall revised to 150mm.	SB
F	24.09.20	PR	Manhole Type and Diameters added to plan.	SB
E	21.08.20	PR	Levels and Drainage updated.	SB
D	25.06.20	PR	Pipe sizes and headwalls revised	SB
C	12.06.20	PR	Existing Ditch shown and connection from Pond added.	SB
B	19.03.20	PR	Rising main route revised and details off final connection added.	SB
A	03.03.20	PR	Minor Amendments	SB

Issue Status: PRELIMINARY

The Civil Engineering Practice
11 Tungsten Building
George Street
Fishersgate
Sussex
BN41 1RA
01273 424424
reception@civil.co.uk
www.civil.co.uk

CLIENT: DPS Limited

PROJECT: Wicks Farm
Ford

TITLE: Proposed Levels and Drainage
Sheet 4 of 6

DRAWN: PR	DATE: Feb 2020	PROJECT NO.: 23314	
ENGINEER: SB	CHECKED:	DRG. No.: 24	REV.: G
SCALE: 1:250 @ A1			