DRAWING No: PB2348-500-03

DO NOT SCALE

METRES 0 5 10 25 50 SCALE 1:500

SHEET 2 SHEET 3

PE IL. 25,850 IS BASED ON ASSUMED ING DITCH INVERT LEVEL OF 26,000 WHICH IS TO BE VERIFIED ON SITE

HEADWALL TYPE 6 HCC9/D/115

IL. 25,850

CP6000 CL. 26,944 IL. 25,500

FWMHS4 CL. 27.30 IL. 24.60

FWMHF5 CL. 27.70 IL. 25.40

300mmØ SAINT GOBAIN ENSIGN PLUS (BSEN 877) CAST IRON PIPE 5m @ 1:15

CP3105 CL. 27,080 IL. 25,170

MH3106 CL. 26,760 IL. 24,909

3.005 150mmØ 44m @ 1:169

1.003 225mmØ 85m @ 1:53

MH3003 CL. 26.585 IL. 25.800

CP3104 CL. 27,300 IL. 25,395

SWALES WITH BUILT IN FALLS

HIGH LEVEL OUTLET 150Ø 8m @1:100

CP3103 CL. 27,450 IL. 25,609

HIGH LEVEL OUTLET 150Ø 4m @ 1:80

SWALES WITH BUILT IN FALLS

LAND DRAINAGE CULVERT

IL. 24.880

FWMHS6 CL. 25.70 IL. 23.38

HEADWALL TYPE 6 HCC9/D/115

FWMHF6 CL. 25.80 IL. 23.65

MH3002 CL. 27.285 IL. 25.333

1.002 225mmØ 98m @ 1:105

1.001 225mmØ 90m @ 1:100

CP3001 CL. 27.375 IL. 25.933

FWMHS18 CL. 27.75 IL. 25.60

FWMHF17 CL. 27.75 IL. 26.40

CP3102 CL. 27,525 IL. 26,000

MH3101 CL. 27,525 IL. 26,250

CATCHMENT 3

CATCHMENT 4

GAS PIPELINE

CP4000A CL. 27,450 IL. 25,775

1.000A 150Ø 4m @ 1:40

MH3100 CL. 27,500 IL. 26,500

TANK IL. 25,675

HIGH LEVEL OUTLET 150mmØ 5m @ 1:80

FWMHS19 CL. 25.00 IL. 22.80

FWMHF18 CL. 25.00 IL. 23.65

CP3000 CL. 27,425 IL. 26,600

TANK IL. 25,500

150mmØ PIPE AT HIGH LEVEL FROM SWALE OUTLET HEADWALL TO CATCHPIT

MH4100 CL. 27,500 IL. 26,500

1.001 225Ø 5m @ 1:100

CP4000 CL. 27,45 IL. 25,10

MH4101 CL. 27,500 IL. 24,750

MH4103 CL. 27,700 IL. 24,194

1.002 225Ø 5m @ 1:100

MH4102 CL. 26,700 IL. 25,000

4.002 225Ø 5m @ 1:6

TANK IL. 23,358

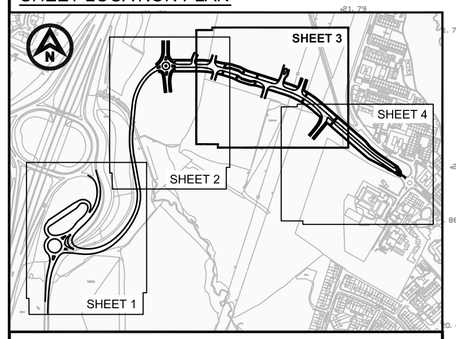
TANK IL. 24,042

Drain

Cherrytree Row

SHEET 2 SHEET 3

SHEET LOCATION PLAN



REPRODUCED FROM ORDNANCE SURVEY MAPS WITH PERMISSION FROM THE CONTROLLER OF HM STATIONERY OFFICE, CROWN COPYRIGHT RESERVED, LICENCE No, 100017728 2014,

THIS DRAWING HAS BEEN BASED UPON SURVEY INFORMATION SUPPLIED BY SEAMEN SMITH LTD. AND ROYAL HASKONINGDHV CAN NOT GUARANTEE THE ACCURACY OF DATA.

NOTES

1. All dimensions are in metres unless noted otherwise.
2. All levels are in metres relative to Ordnance Datum Newlyn unless noted otherwise.
3. Manholes
 a. All chamber covers to be Class D400 to BS EN 124.
4. Gullies
 a. Exact gully positions are to be confirmed on site.
 b. All gully gratings to be Class D400 to BS EN 124
 c. Gully pots to be trapped.
 d. All gully connections to be 150mm diameter and must have bedding type z.
5. The contractor shall undertake jetting and CCTV surveys of existing downstream piped drainage systems to established their condition and suitability to receive proposed flows prior to connecting the new drainage.

KEY

- EXISTING SURFACE WATER (SOUTHERN WATER)
- EXISTING WATER MAINS (PORTSMOUTH WATER)
- EXISTING FOUL WATER (SOUTHERN WATER)
- EXISTING FOUL WATER MANHOLE
- PROPOSED 150Ø ADOPTED FOUL WATER SEWER
- PROPOSED PRIVATE SURFACE WATER SEWER
- FWMH** PROPOSED ADOPTED FOUL WATER MANHOLE / PRIVATE SURFACE WATER SEWER MANHOLE
- DIS-USED DRAIN
- DG* DISUSED GULLY
- PROPOSED GULLY CONNECTION
- FD PROPOSED FILTER DRAIN (SEE HCC STANDARD DETAILS DWG. NO. HCC9/D/010 - TYPE 1B)
- PROPOSED HIGHWAY DRAINAGE CARRIER DRAIN
- G* PROPOSED GULLY (SEE HCC STANDARD DETAILS DWG. NO. HCC9/D/015 - TYPE 1 & HCC9/D/025 - TYPE 3. FOR TYPE 3 REFER TO DRAWINGS)
- MH**** PROPOSED MANHOLE (SEE HCC STANDARD DETAILS DWG. NO. HCC9/D/045 - TYPE M1A, M1B, M1C & HCC9/D/065 - TYPE M5. FOR TYPE M5 REFER TO DRAWINGS)
- CP**** PROPOSED CATCHPIT (SEE HCC STANDARD DETAILS DWG. NO. HCC9/D/040)
- CPG**** PROPOSED CATCHPIT/GULLY (SEE HCC STANDARD DETAILS DWG. NO. HCC9/D/035)
- PROPOSED DRAINAGE KERB
- SU PROPOSED DRAINAGE KERB SUMP UNIT
- PROPOSED SURFACE WATER STORAGE CRATES (X-SECTION 1000 x 800mm)
- PROPOSED SURFACE WATER STORAGE CRATES (X-SECTION 500 x 400mm)
- PROPOSED SURFACE WATER STORAGE TANK (CRATES) - X-SECTION 4000x800mm
- PROPOSED SWALE INLET/OUTLET HEADWALL (OUTLETS FITTED WITH GRILL)
- PROPOSED POND INLET/OUTLET HEADWALL (OUTLETS FITTED WITH GRILL)
- STONE PITCHING SCOUR PROTECTION
- # MANHOLE COVER AND FRAME TO BE OF A TYPE WITH HIGH FRICTION SURFACE SUCH AS SAINT GOBAIN PAM GRIPTOP™ OR SIMILAR APPROVED
- CHECK DAM

FOR CONSTRUCTION

REV	DATE	DESCRIPTION	BY	CHK	APP
C2	02,07,15	Culvert amended following EA comments	SAR	SRT	SRT
C1	10,06,15	Construction Issue	NKS	SRT	SRT
D4	06,05,15	Minor amendments	NKS	JM	SRT
D3	10,04,15	Amended following HCC comments	NKS	JM	SRT
D2	21,01,15	Levels and gradients added.	NKS	JM	SRT
D1	06,01,15	First issue	JG	JM	SRT

REVISIONS

CLIENT

VolkerFitzpatrick

Portsmouth City Council

PROJECT

DUNSBURY HILL FARM

TITLE

PROPOSED DRAINAGE

SHEET 3 OF 4

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DRAWN	CHECKED	APPROVED
PK	JM	SRT

DATE	SCALE AT A1	AUTOCAD REF.
OCT '14	1:500	PB2348-500-03.DWG

DRAWING No. PB2348-500-03

REVISION C2

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