

SURFACE WATER MANHOLE SCHEDULE					
Ref.	Size	Invert Level	Ref.	Size	Invert Level
1	1350	-1.26	16	1350	-1.75
2	1350	-1.49	17	1800	-3.25
3	1350	-1.72	18	1200	-1.19
4	1350	-1.76	19	1200	-1.19
5	1800	-1.88	20	1200	-1.60
6	1200	-1.00	21	1200	-1.90
7	1200	-1.15	22	1200	-2.20
8	1200	-1.34	23	1800	-2.80
9	1200	-1.065	24	1800	-3.10
10	1350	-1.58	25	1200	-1.15
11	1350	-1.92	26*	1200	-1.27
12	1200	-1.35	27	1200	-1.37
13	1200	-1.55	28	1200	-1.20
14	1800	-2.185	29	1200	-1.10
15	1200	-1.40	30	1200	-1.30

FOUL WATER MANHOLE SCHEDULE				
Ref.	Up Stream Pipe Dia.	Invert Level	Upstream Bedding	
F1	150ø VC	-0.8	Concrete Surround	
F2	150ø VC	-1.2	Concrete Surround	
F3	150ø VC	-1.3	F	
PS F1	90ø HPPE	-1.60	Granular Surround	
F4	150ø VC	-0.80	Concrete Surround	
F5	150ø VC	-1.15	F	
F6	150ø VC	-1.31	F	
F7	150ø VC	-1.47	F	
PS F2	125ø HPPE	-1.60	Granular Surround	

INTERCEPTOR SCHEDULE					
Ref.	Flow l/s	I	Condor Ref.	Class	Pipe
1	140	8400	CNSB205/2	1	450ø
2	18	1100	CNSB35/2	1	225ø
3	16	950	CNSB35/2	1	225ø
4	150	8400	CNS150/1	1	525ø
5	150	8400	CNS150/1	1	525ø
6	50	6200	CNS100/1	1	300ø

NOTE:
FOR DETAILS OF OIL INTERCEPTOR INSTALLATION SEE DRAWING NUMBER 5048976-CI-01-1087

NOTE:
ALL FW MANHOLE TO BE 1200x750 TYPE 1a
SEE DRAWING No.5048976-CI-01-2052

NOTE:
ALL MANHOLE INVERT LEVELS BELOW GROUND LEVEL.
ASSUME A LEVEL SITE AT +0.0m.
* MH26 SHALL BE A DRAINAGE SWITCH PIT WITH 2No. 300ø VALVES

COMMERCIAL IN CONFIDENCE

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- DRAWING REFERENCES:
5048976-CI-01-2010 TO 2075 GENERAL AIRFIELD DETAILS
- MINIMUM PIPE COVER AT ROAD CROSSING TO BE 1.2m.
- FOR DETAILS OF FOULWATER DRAINAGE IN BUILDINGS SEE DRAWING No. 1410, 1411, 1420.
- FOUL WATER PUMPING STATION TO COMPRISE PACKAGE PUMPING STATION WITH DUTY AND STANDBY PUMPS SUITABLE FOR DOMESTIC SEWAGE FLOW OF 5.4 L/s FOR PSF1 (12.1L/s FOR PSF2). THE STATION TO COMPRISE A PLASTIC OR SUITABLE MATERIAL CHAMBER WITH COVERS SUITABLE FOR TRAFFIC LOADINGS. CHAMBER TO INCLUDE ALL LIFTING SHAFTS, DELIVERY PIPES, GATE VALVES, REFLUX VALVES AND FLOATS. STATION TO BE SURROUNDED IN MINIMUM 150 THICK MASS CONCRETE AND FOUNDED ON 150 THICK RC BASE SLAB (USE 50kg/m REBAR DENSITY).
- FOR GULLY AND ACO DRAIN DETAILS SEE DRAWING No. 5048976-CI-01-2061.
- FOAM TANK TO BE A GRP 800 LITRE CAPACITY TANK WITH 300dia INLET. ALLOW FOR 300 THICK MASS CONCRETE SURROUND

LEGEND:

- FW FW FOULWATER DRAINAGE MANHOLES (SEE DRG No. 5048976-CI-01-2052)
- PSF2 PSF2 FOULWATER PUMPING STATIONS (SEE DRG. No. 5048976-CI-01-2051)
- FW FW FOULWATER SEWER (SEE DRG. No. 5048976-CI-01-2051)
- FW FW FOULWATER PUMPING MAINS
- SW SW SURFACE WATER DRAINAGE (SEE DRG. No. 5048976-CI-01-2052)
- ACO/SLOT DRAIN (SEE DRG. No. 5048976-CI-01-2050 & 2061).
- RB RB RODDING BOX (SEE DRG. No. 5048976-CI-01-2050)
- CP CP CATCHPIT (SEE DRG. No. 5048976-CI-01-2050)
- INT INT INTERCEPTOR

B	ISSUED FOR TENDER	BnH	25.07	GW	RDJ
A	ADDITIONAL SW DRAINAGE ADDED	GW	09.3.07	GW	RDJ

Rev.	Description	By	Date	Chk'd	Auth

Tender	B	25.07	RDJ
Review and Pricing	A	09.3.07	RDJ
Preliminary	-	19.1.07	RDJ

Code	Purpose of issue	Rev	Date	Authorised

Client
DFID

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Project St Helena Reference Design					
Title Airfield General Arrangement Airsides and Landside Surface & Foul Water Drainage					
Scale at A1	Drawn	Checked	Authorised	Status	
1:500	BnH	RDJ	RDJ	T	
Drawing Number	Date	Date	Date	Rev	
5048976 - CI - 01 - 1026	18.1.07	18.1.07	19.1.07	B	

