DO NOT SCALE

COMMERCIAL IN CONFIDENCE

NOTES:

1. DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
2. REFERENCE DESIGN DRAWINGS TO BE READ IN CONJUNCTION WITH EMPLOYER'S REQUIREMENTS AND REFERENCE DESIGN SPECIFICATIONS.
3. LAND LEVELS ARE RELATIVE TO MEAN SEA LEVEL.
4. SPECIFIED PRODUCTS SHALL BE OR EQUAL APPROVED.
5. CONCRETE GRADES TO BS8500
   REINFORCED CONCRETE GRADE: RC40
   MASS CONCRETE GRADE: GEN3
   BLINDING CONCRETE GRADE: GEN1
6. HIGH YIELD REINFORCEMENT WITH YIELD STRENGTH OF 460N/mm².
7. FOR SECTIONS AND DETAILS SEE DRAWING No. 5048976 – CI – 01 – 1505.
8. BIRD DETERRENT IS REQUIRED FOR THIS POND SINCE THERE WILL BE A WATER SURFACE AT MOST TIMES. THE USE OF BIRD BALLS BY EURO–MATIC OR SIMILAR IS RECOMMENDED. NOTE THAT BALLS TO BE SUITABLE FOR A DESIGN WIND SPEED OF 33KNOTS (38MPH).
9. DEPTH OF COVER TO PIPES IS TO BE 1200 MIN IN TRAFFICKED AREAS AND 700 MIN ELSEWHERE.

35000 10000 5000 13500 48000 13500 5000

2000x2000 RC CHAMBER WITH 250THICK BASE AND WALLS. WITH GALVANISED STEEL COVER & FRAME.

SW DRAINAGE CHANNEL

1050ø CONCRETE PIPE

MHS12 MHS13 MHS16

1050ø CONCRETE PIPE. 1050ø BYPASS PIPE

CABLE PIT CABLE DUCTS

1050ø PENSTOCKS WITH MOTORISED HANDWHEELS.

FALL 5000 6500

GROUND LEVEL APPROXIMATELY 300.4

SLOPE 2:1

VEHICLE ACCESS TRACK

297.4

10000

11500 5000 13500 18000 13500 5000 10000

℄ OF TAXIWAY

A

1050ø CONCRETE PIPE

SLOPE 2:1

SLOPE 1:3

SW STORAGE POND (SOUTH)

150 GABION MATTRESS PROTECTION

SW OUTLET INTO POND

3000 4000

150 GABION MATTRESS PROTECTION VEHICLE ACCESS

ROAD RC SLAB OVER CHANNEL.

EMERGENCY OVERFLOW CHANNEL.

4000 3000

DOWNTURN BEND INLET AT I.L. +293.15

292.85

BENTONITE CLAY WATER STOP 450 SURROUND TO OUTLET PIPE

3000

300ø HPPE PIPE

1050ø BYPASS PIPE

OUTFALL

CABLE PIT CABLE PIT CABLE PIT CABLE DUCTS 297.4 CABLE PIT

IL 293.1

MHS14

IL 292.8

300ø CONCRETE PIPE

MHS15

SLOPE 2:1

GROUND LEVEL APPROXIMATELY 303.4

TO CONTROL BUILDING

MH23

ORIFICE PLATE (500 x 500 x 15 THICK GALVANISED PLATE WITH 99ø HOLE) AND 300ø HALF–FRAME PENSTOCK AND MOTORISED HANDWHEEL.

1500 x 1500 RC CHAMBER WITH 250 THICK WALLS AND BASE. WITH GALVANISED STEEL COVER AND FRAME.

FULL RETENTION OIL SEPERATOR TO BS EN858 (3900 LONG x 1300ø) WITH CONCRETE SURROUND AND DI COVER.

OUTFALL (250 THICK RC BASE AND WALLS).

CHANNEL TO STREAM.

0 10 Millimetres 150

Rev.	Description	By	Date	Chk'd	Auth
A	TENDER ISSUE	KT	2.5.07	TJM	RDJ

Code	Purpose of issue	Rev	Date	Authorised
	Tender	A	2.5.07	RDJ
	Review & Pricing	-	09.03.07	RDJ

Client

DFID

Consultant

Atkins Limited ©
Consulting Engineers,
Woodcote Grove,
Ashley Road,
Epsom, Surrey, England,
KT18 5BW
ATKINS
www : http://www.atkinsglobal.com
Fax (01372) 740055
Tel. (01372) 726140

Project

St Helena Reference Design

Title

South Runway Drainage Storage Pond Plan

Scale at A1	Drawn	Checked	Authorised	Status
1:250	RH	JAW	RDJ	T
	Date 21.02.07	Date 09.03.07	Date 09.03.07	

Drawing Number: 5048976 - CI - 01 - 1504

Rev: A

P:\GBEMF\Civil Infrastructure\Jobs\5048976 – ST HELENA REF DESIGN\09 Draw out\01 –Site\Home\Clout\5048976–CI–01–1504.dwg
May 02, 2007 – 3:52pm