RESERVOIR No.1

8MI RESERVOIR

RESERVOIR No.2

8MI RESERVOIR

2 x 110mm Ø CABLE DUCTS

2 x 250mm Ø PN 16 3N 5050 "KEITH5" RISING MAINS

OPEN DISH DRAIN

JETTING ACCESS
SALT PUMP JA17

JETTING ACCESS
SALT PUMP JA16

JETTING ACCESS
SALT PUMP JA18

JETTING ACCESS
SALT GRAV JA1

JB

HANDRAIL

STANDPIPE

DOWNPIPE

KERB ON EDGE

ROOF VENT

STOPCOCK

WALKWAYS OVER SAND SETTLING TANKS OMITTED FOR CLARITY SEE DRG 105851 EL 162

CAST IRON RE

SAND SETTLING TANK

SAND RECOVERY UNITS REFER TO DRG 105851 EL 177

CCTV CAMERA

OVERFLOW PIPE

INLET CHAMBER REFER TO DRG 105851EL106

OUTLET CHAMBER DRG 105851EL116 (ABANDONED)

SALT SEW MH1

SALT SEW MH2

SALT SEW MH3

SEW RMH1

SEW RMH2

SEW RMH3

SEW RMH4

SEW RMH5

SW RMH1

SW RMH2

SW RMH3

SW RMH4

SW RMH5

SW RMH6

SW RMH7

SW RMH8

SW RMH10

110mm Ø DRAINAGE PIPE

110mm Ø PVC DRAIN PIPE

ANCHOR BLOCK

40mm Ø HDPE WATER

25mm Ø HDPE WATER

WATER TAKE-OFF POINT

110mm Ø PVC BACKWASH PIPE (UNDER RESERVOIR ROOF)

315 Ø PVC EMERGENCY BYPASS (UNDER RESERVOIR ROOF)

DRUM SCREEN BUILDING

STAIRCASE WITH HANDRAIL

RINGMAIN

BRIDGE OVER RESEVOIR OMITTED FOR CLARITY REFER TO DRG 105851EL160

400mm Ø CLASS 12 UPVC SALT WATER GRAVITY MAIN 52.6m

200mm Ø UPVC CLASS 34 SALT WATER SEWER 44.6m

40mm Ø HDPE PIPE

ELECTRIFIED BOUNDARY FENCE

3 x 110mm Ø CABLE DUCTS

GRASSED EMBANKMENT

TRACK

PALISADE FENCE

GRASSED AREA

PAVED AREA

MAINTENANCE BUILDING WORKSHOP AND STORE

GULLEY

FIRE HOSE

WASHING BAY

PARKING AREA

OFFICE

SAND TRAP

OIL GREASE TRAP

GULLEY AND STORMPIPE

2 x GRATING INLETS

4 x PARKING BAYS

110mm Ø uPVC SEWER (ENCLOSED IN CONCRETE)

110Ø uPVC, Cl9

400 HDPE, Cl10

GEOTEXTILE UNDERDRAIN

110 Ø DUCT FOR IRRIGATION

CONCRETE RAMP

EDGING KERB

LANDSCAPING

STREET LIGHT

W110 LANDSCAPING

W40

W40 HDPE, Cl10

375mm Ø

450mm Ø

700mm Ø

675mm Ø

600mm Ø

160mm Ø SEWER (uPVC)

200mm Ø (uPVC)

FUTURE 450mm Ø

FUTURE 200mm Ø

TO HEADWALL AND OUTLET

800mm Ø

110mm Ø DRAIN PIPE

CONTROL CHAMBER DRG 105851EL133

37

38

35

1:1500

REFERENCE DRAWINGS

105851 EL 100 – RESEVOIR CONRETE DETAILS
105851 EL 106 – INLET CHAMBER PIPE AND CONCRETE DETAILS
105851 EL 116 – PLAN VIEW OF OUTLET CHAMBER
105851 EL 123 – KERBING LAYOUT AND TYPICAL DETAILS
105851 EL 124 – TYPICAL CATCHPIT DETAILS
105851 EL 126 – STORMWATER MANHOLE TYPICAL DETAILS
105851 EL 127 – SALTWATER SEWER – GENERAL DETAILS
105851 EL 128 – BELLMOUTH DETAIL AND ROAD LEVELS
105851 EL 130 – TYPICAL DETAILS SALTWATER RISING MAIN
105851 EL 132 – TYPICAL DETAILS GRAVITY MAIN–SHEET 1
105851 EL 133 – TYPICAL DETAILS GRAVITY MAIN–SHEET 2
105851 EL 134 – SITE LEVELS AND CO–ORDINATES
105851 EL 135 – CONTROL INLET CHAMBER
105851 EL 140 – SEWER RETICULATION LONG SECTION (DOMESTIC SEWER)
105851 EL 141 – STORMWATER LONG SECTION
105851 EL 142 – SALTWATER SEWER AND OUTLET
105851 EL 142 – SALTWATER SEWER AND OUTLET
105851 EL 150 – FOUNDATIONS, COLUMNS, STRIP FOOTINGS AND EAVES BEAM LAYOUT
105851 EL 160 – STEELBRIDGE
105851 EL 165 – ROOF STEEL–SAND SETTLING TANK AND DRUMSCREEN BUILDING DETAIL
105851 EL 174 – WASHBAY LAYOUT AND DRAINAGE DETAIL

RECORD DRAWING
aurecon

For Aurecon AME:	For Client:
D. Schoeman	Date:

*	RECORD DRAWING		
1	CONSTRUCTION DRAWING		
0	CONSTRUCTION DRAWING		
No	AMENDMENTS	APPR.	DATE

SURVEYED	——	FILE	105851/TECHNICAL WORK/DRAWINGS
PLOTTED	CAD	SURVEY CHECKED	——
DRAWN	C.Rudman	DRAWING CHECKED	D. Schoeman
DESIGNED	C.Rudman	CHECKED	D. Schoeman
PLOT FILE	——	PLOT SCALE	——

APPROVED BY:

SIGNATURE: NAME: DATE:

PROJECT DIRECTOR

DATE:

THE MASTER DRAWING WITH THE ORIGINAL SIGNATURE IS HELD AT THE AURECON EAST LONDON OFFICE

CLIENT/EXTERNAL APPROVAL:

FOR:

DATE:

CONSULTING ENGINEERS:

CLIENT:

east london idz
business streamlined

EAST LONDON INDUSTRIAL DEVELOPMENT ZONE (PTY) LTD

MARICULTURE ZONE

SITE LAYOUT SHOWING INTERCONNECTING PIPEWORK

CONTRACT NO. MAR2/02/10/Z1A

MAIN CONTRACTOR **WBHO CONTRUCTION PTY LTD**
P.O. BOX 13289
VINCENT 5217
TEL (043) 790–3447

SCALE	SHEET 1 OF 1 SHEETS
1 : 125	DATE JUNE 2011
DRAWING No 105851 EL 178	REVISION *