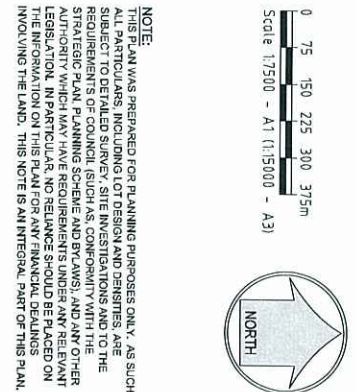




Flinders (Precinct 1) Boundary

Section B - Proposed Treated Effluent Irrigation Area (Stages 9-12)

MEDQ

FLINDERS

**SEWERAGE TREATMENT
PLANT & TREATED EFFLUENT
IRRIGATION AREA**

RP DESCRIPTION

Lot 390 on SP 133193, Lot 2 on RP 46302
Lot 1 on RP 46806, Lot 2 on S 31878 and
Lot 200 on SP 133189

PARISH OF UNDULLAH
COUNTY OF STANLEY

CLIEB



PACIFIC
INTERNATIONAL
GROUP

OWNER

PACIFIC EXCHANGE HOLDINGS P/L

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ASSOCIATED CONSULTANT



robertsday

ILIV group

**+GILBERT
SUTHERLAND**

convergence
 CONVERGENCE • CONVERGENTLY

== PLACE
PLANNING DESIGN INVESTMENT
JWA
Ecological Consultants



W. N. WEISS & ASSOCIATES, P.T.Y., LTD.
ARCHITECTS

B0Z Technical Services Pty Ltd

Stephen Hashing Surveys Pty Ltd

DRAWING TITLE

CONCEPT PLAN
(SHEET 1 OF 3)

MORTONS
urban solutions
Urban & Regional Planning

Civil Engineering Project Coordination

MUS Pty Ltd T/As:
Mortons-Urban Solutions
ARN: 39 116 375 065

Postal Address:
PO Box 248
Southport QLD 421

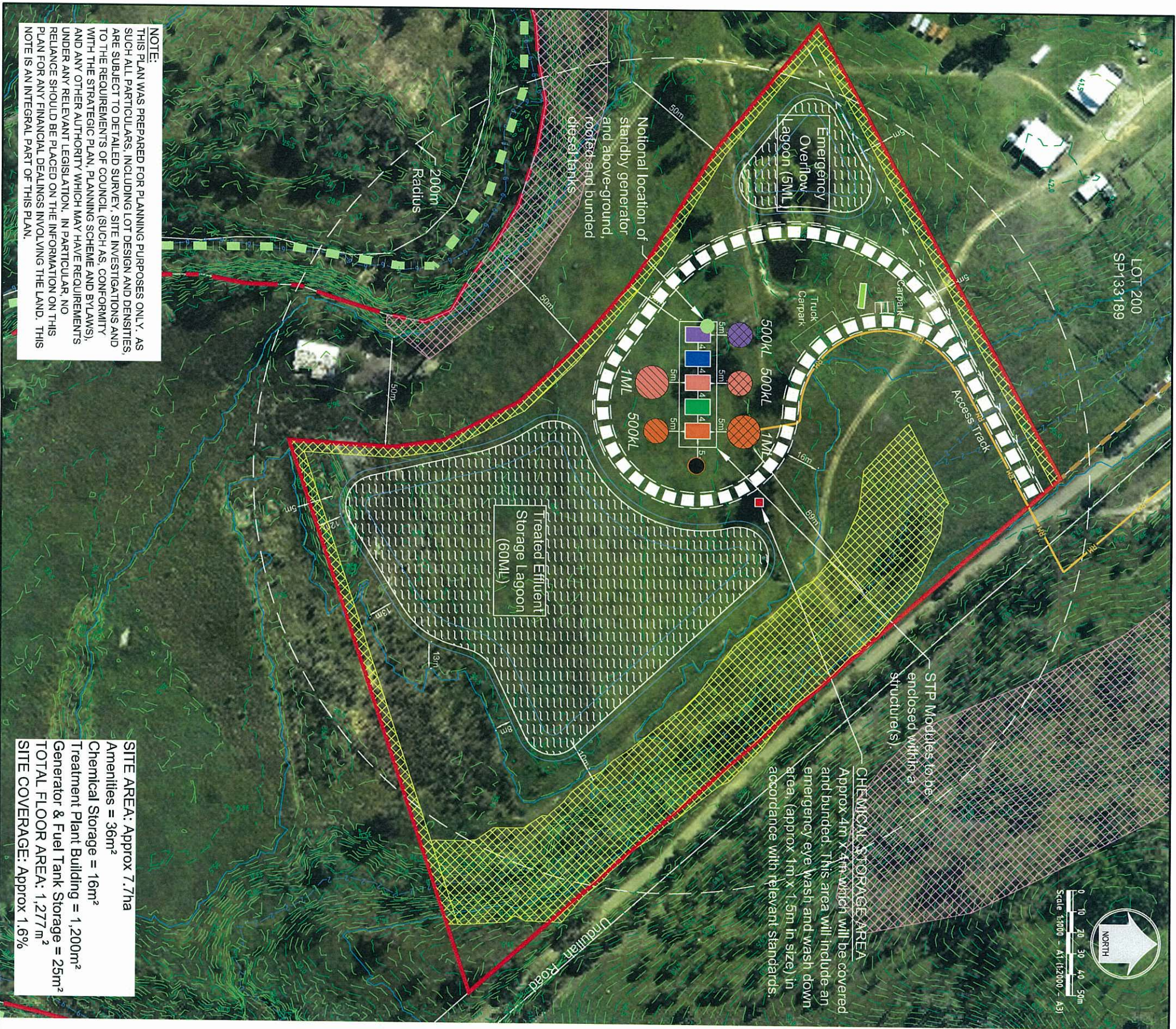
Gold Coast office

Tel 07 5571 1099 Suite 9, 19 Short St
Fax 07 5571 1088 Southport QLD 4215

DESIGNED MM	APPROVED <i>AK</i>	REQ 4706
DRAWN LM	DATE 29-08-12	AMEND LM
	DATE 23-09-13	

DRAWING NUMBER
23300-STP-P163

AMEND.
H



NOTE:
THIS PLAN WAS PREPARED FOR PLANNING PURPOSES ONLY. AS SUCH ALL PARTICULARS, INCLUDING LOT DESIGN AND DENSITIES, ARE SUBJECT TO DETAILED SURVEY, SITE INVESTIGATIONS AND TO THE REQUIREMENTS OF COUNCIL (SUCH AS, CONFORMITY WITH THE STRATEGIC PLAN, PLANNING SCHEME AND BYLAWS), AND ANY OTHER AUTHORITY WHICH MAY HAVE REQUIREMENTS UNDER ANY RELEVANT LEGISLATION. IN PARTICULAR, NO RELIANCE SHOULD BE PLACED ON THE INFORMATION ON THIS PLAN FOR ANY FINANCIAL DEALINGS INVOLVING THE LAND. THIS NOTE IS AN INTEGRAL PART OF THIS PLAN.

SITE AREA: Approx 7.7ha
Amenities = 36m²
Chemical Storage = 16m²
Treatment Plant Building = 1,200m²
Generator & Fuel Tank Storage = 25m²
TOTAL FLOOR AREA: 1,277 m²
SITE COVERAGE: Approx 1.6%

LEGEND

- Subject Site Boundary
- Flinders Site Boundary
- Local Government Boundary
- Treated Effluent Delivery Main (either within road reserve or within private property, being Lot 200 SP133189)
- Q100 (pre development)
- Diversion Drains
- Access Track
- Sewer Rising Main
- Existing Contours
- Proposed Landscape Buffer
- 250KL Sewerage Treatment Plant Modules
- Buffer Tank
- Treated Effluent Storage Tank (if required)
- 200KL Sludge Digester Tank
- Stage 01 - To be constructed upfront
- Stage 02 - To be constructed prior to 250kl inflow
- Stage 03 - To be constructed prior to 500kl inflow
- Stage 04 - To be constructed prior to 750kl inflow
- Stage 05 - To be constructed prior to 1,000kl inflow
- Amenities
- Chemical Storage
- Remnant Vegetation
- Generator & Fuel Tank Storage

PLANS AND DOCUMENTS
referred to in the PDA APPROVAL
01 OCT 2013
MEDQ

Structures are shown in notional locations and sizes and are subject to future detailed design

- Notes:
- Vegetation information is based upon approved PMAV 2010/004717 sourced from Department of Environment and Resource Management for the relevant lots.
 - The sizes and dimensions of the STP infrastructure are for information only. The actual size and dimensions may change during the detailed design phase.
 - For details of the floor plans & elevations associated with the STP Enclosure & Amenities Block please refer to drawing 23300-STP-P164.
 - Triggers and staging identified on this drawing relate to 250kl modules. Alternative module sizes may be constructed and therefore the triggers and staging adjusted accordingly.

Gullys / Drainage Path

10m
20m
30m
40m
50m

Stream order
Reference Background Vegetation Mapping
& Stream orders from Regional
Vegetation Map - Ver 2.1 dated 2012 from
Department of Environment & Resource
Management
Please note that the streams have been
relocated to match the contours.

FLINDERS
SEWERAGE TREATMENT
PLANT & TREATED EFFLUENT
IRRIGATION AREA

PACIFIC EXCHANGE HOLDINGS P/L
OWNERS

PACIFIC INTERNATIONAL GROUP
CLIENT

PARISH OF UNDULLAH
COUNTY OF STANLEY

RP DESCRIPTION
Lot 390 on SP 133189, Lot 2 on RP 46302,
Lot 1 on RP 46806, Lot 2 on S 31878 and
Lot 200 on SP 133189

ASSOCIATED CONSULTANTS
robertsday
iluv
iluv group
CONVERGE
PLATE
ARCHITECTS
W.A. WEBB & ASSOCIATES PTY LTD
THE CONSULTANT BUREAU
STEPHEN STOKES SURVEYS Pty Ltd
BIG Technical Services Pty Ltd
JWA
Ecological Consultants
QUADRANT

CONCEPT PLAN
(SHEET 2 OF 3)

MORTONS
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RESIGNED MML APPROVED
DRAWN LM DATE 29-08-12
CHECKED LM DATE 25-09-13
23300-STP-P163
K

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PLANS AND DOCUMENTS
referred to in the PDA APPROVAL

01 OCT 2013

MEDQ

2
RP46303

1414.2

2
S31878

2
S31878

3
S311896

2

315.0008
Balance Area

2004.1

20
SP149887

30
SP133190

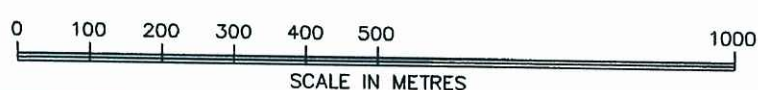
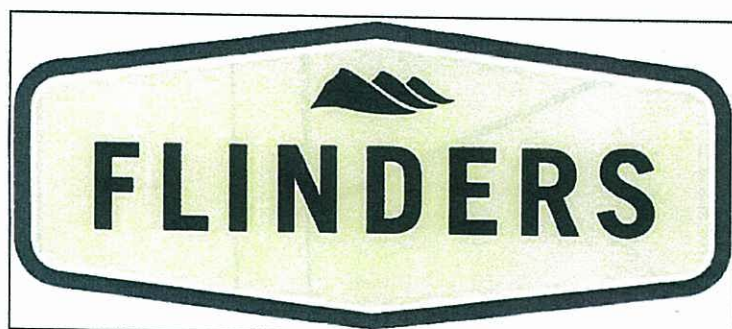
19
W31189

1

7.688 ha
SEE SHT 2

22
SP164832

1
RP50209



NOTES

Dimensions and areas are subject to final survey, engineering design constraints and local and state government authority approvals

SCALE 1:10000@A3	DATE 14/08/2012
LEVEL DATUM AHD	DRAWN AVP
LEVEL ORIGIN Lidar - DNR&M	CHECKED SRH
FIELD BOOK	CLIENT PACIFIC INTERNATIONAL DEVELOPMENT CORPORATION PTY LTD
COUNCIL LOGAN CC	

**FLINDERS ESTATE
PRECINCT 1**
Reconfiguration of Part of Lot 200 on SP133189
Parish of UNDULLAH
County of STANLEY

STEPHEN HOSKING SURVEYS PTY. LTD.
CONSULTING SURVEYORS A.C.N. 056 982 293

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SOUTHPORT QLD. 4215	SOUTHPORT BC QLD. 4215	FAX (07) 55917709

AMENDMENTS
A - 13/06/2013
DRAWING NO 2029/19/A3 (STPProposal.Dwg) (Sht 1 of 2)



2 (Pt)

UNDULLAH

WYATT RD

181.0

ROAD

375.757

35

35

34

33

32

31

72.0

Woollaman

Creek

2 (Pt)

244.821

42

41

40

39

38

37

36

35

34

33

32

31

30

29

28

27

26

25

24

23

22

21

20

19

18

17

16

15

14

13

12

7.688 ha

EXISTING
DAM

58.109

19.965

15.043

28.365

32.767

40.639

24.337

49.663

77.491

Min 50m O/Set to Q100 Flood Line

Woollaman

Creek

Woollaman

Creek

NOTES
Dimensions and areas are subject to final survey, engineering design constraints and local and state government authority approvals

FLINDERS ESTATE

PRECINCT 1

Reconfiguration of Part of Lot 200 on SP133189

Parish of UNDULLAH

County of STANLEY

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Email: shsurveys@ozemail.com.au PHONE: (07) 55917703 FAX: (07) 55917709

AMENDMENTS

A - 13/06/2013

DRAWING NO

2029/19/A3

(STP Proposal Dwg)

(Sh1 2 of 2)

PLANS AND DOCUMENTS
referred to in the PDA APPROVAL
01 OCT 2013
MEDQ



SCALE	1:2000@A3	DATE	14/08/2012
LEVEL DATUM	AHD	DRAWN	AVP
LEVEL ORIGIN	Lider - DNR&M	CHECKED	SRH
FIELD BOOK		CLIENT	PACIFIC INTERNATIONAL DEVELOPMENT CORPORATION PTY LTD
COUNCIL	LOGAN CC		



SEWERAGE TREATMENT
PLANT & TREATED EFFLUENT
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PARISH OF UNDULLAH
COUNTY OF STANLEY



OWNERS
PACIFIC EXCHANGE HOLDINGS P/L

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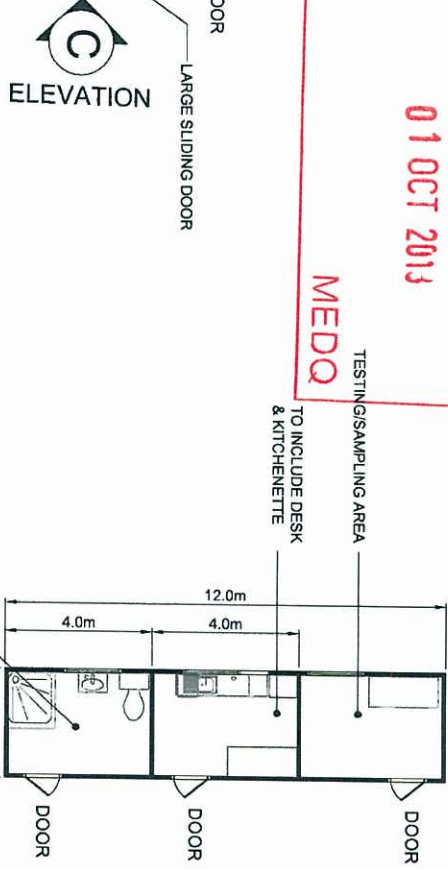
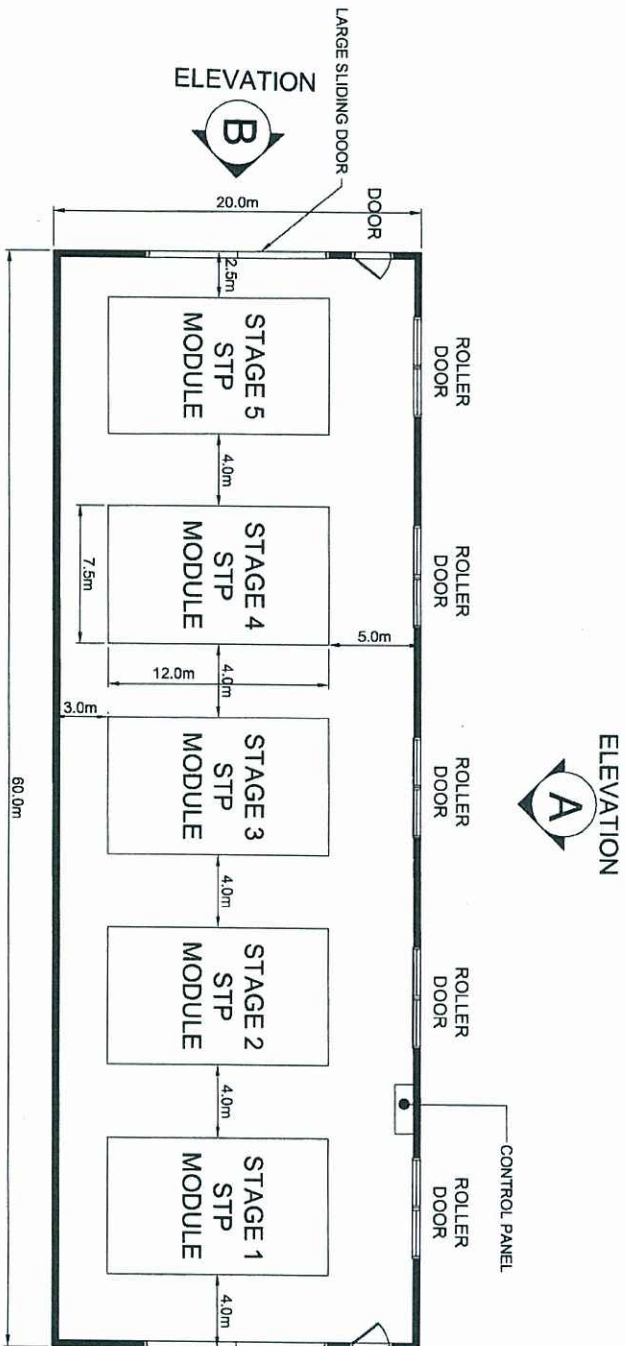
ASSOCIATED CONSULTANTS



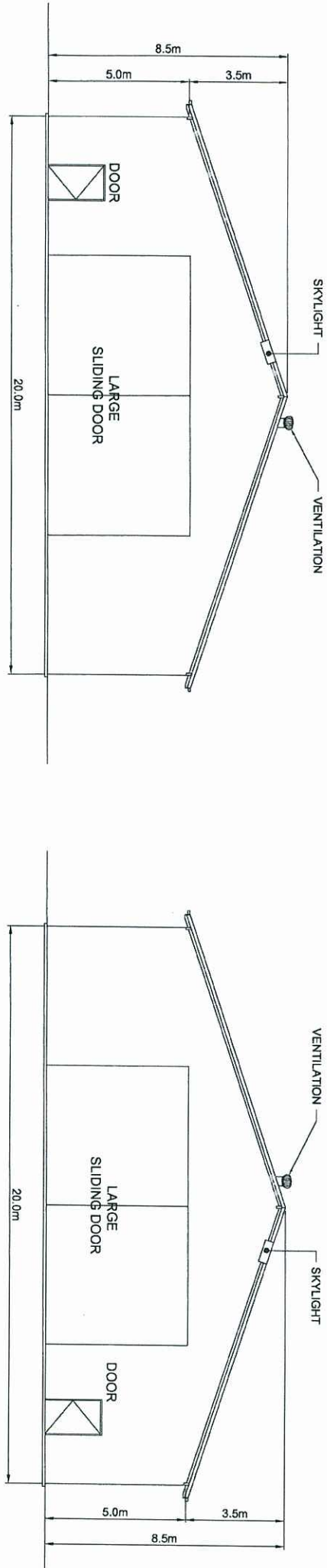
Stephen Skoofing Surveys Pty Ltd

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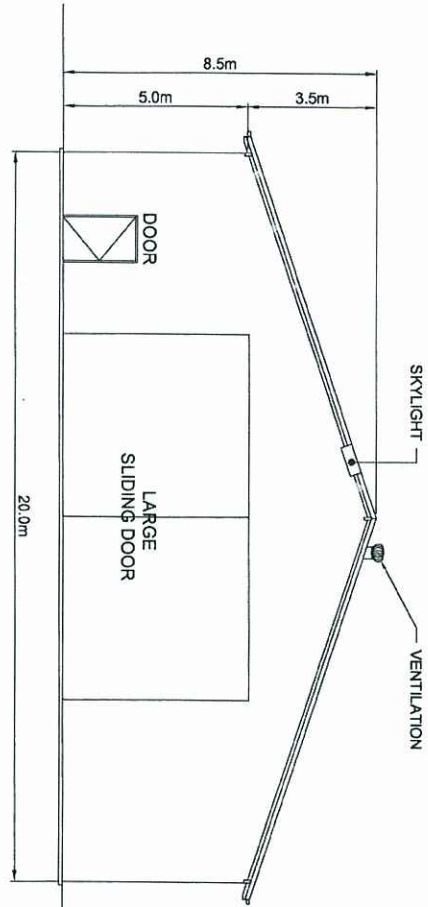
STP ENCLOSURE
& AMENITIES BLOCK
FLOOR AND ELEVATION
PLAN



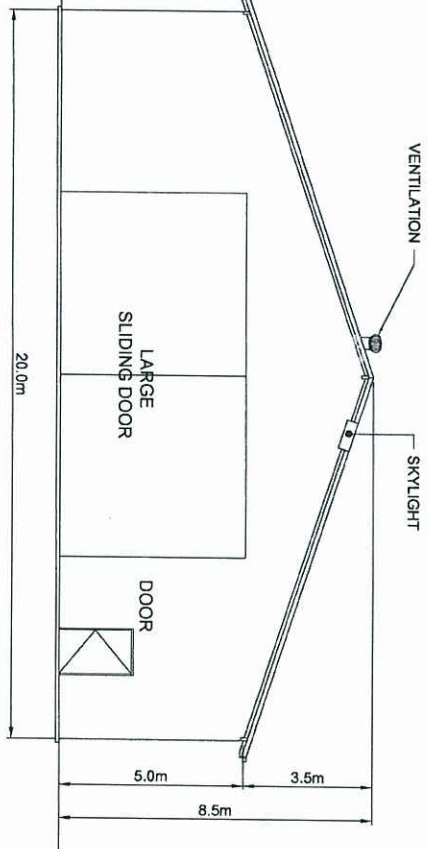
PLANS AND DOCUMENTS
referred to in the PDA APPROVAL
01 OCT 2013
MEDQ
TESTING/SAMPLING AREA
TO INCLUDE DESK
& KITCHENETTE
TO INCLUDE SHOWER,
TOILET AND BASIN



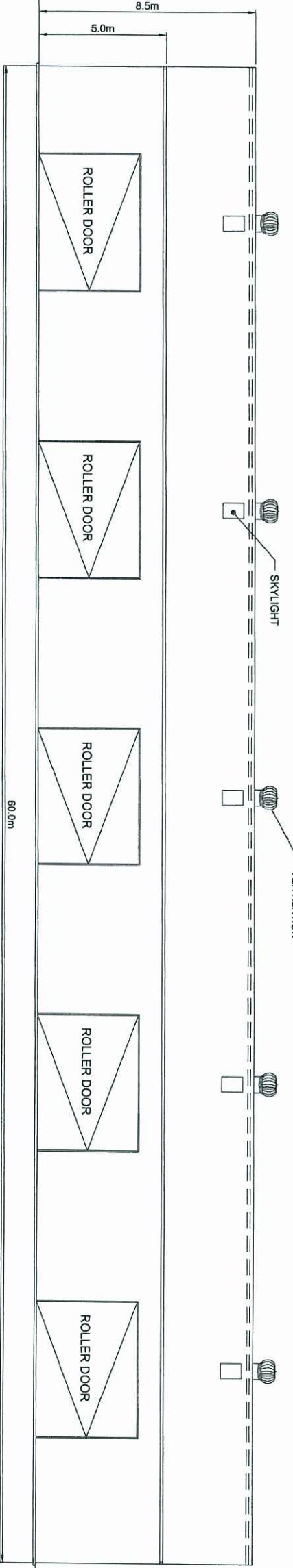
STP ENCLOSURE - ELEVATION 'A'
SCALE: 1:100 - A1 (1:200 - A3)



STP ENCLOSURE - ELEVATION 'B'
SCALE: 1:100 - A1 (1:200 - A3)



STP ENCLOSURE - ELEVATION 'C'
SCALE: 1:100 - A1 (1:200 - A3)



STP ENCLOSURE - ELEVATION A
SCALE: 1:100 - A1 (1:200 - A3)

NOTE:
ENCLOSURE MAY BE BUILT IN STAGES. THE SIZES AND DIMENSIONS OF THE
STP INFRASTRUCTURE ARE FOR INFORMATION ONLY. THE ACTUAL SIZE AND
DIMENSIONS MAY CHANGE DURING THE DETAILED DESIGN PHASE.

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Designed by: [Signature] Approved: [Signature] Date: 07-06-13
DRAWING NUMBER: 23300-STP-P164