

Client:

GCMA

Site Address:

Captain Cook Highway, Killaloe

RPD:
Lot:
Plan:
Parish:
County:
Local Authority: Douglas Shire Council
Level Datum:
Meridian:
Contour Interval:
PSM:
RL:

Associated Consultants:

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Property boundaries have not been defined by this survey and have been compiled from RP.
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| - | 19-12-14 | ORIGINAL ISSUE | RGM | BC | |
| Issue | Date | Description | DRN | CHK | |

Scale at A3: 1:5000

Date: 19-08-15

Design: -

Drawn: RGM

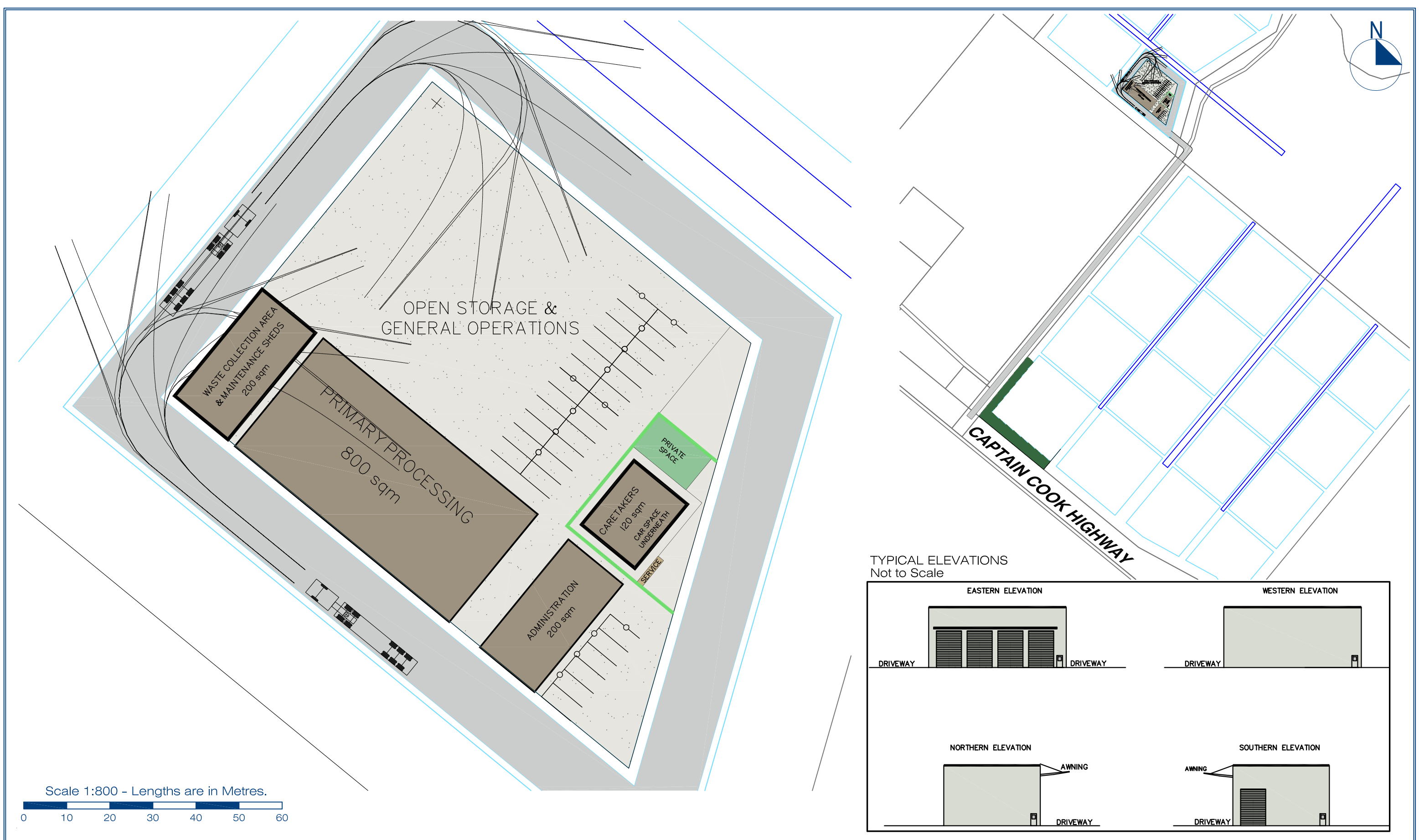
Checked: BC

Drawing Title:

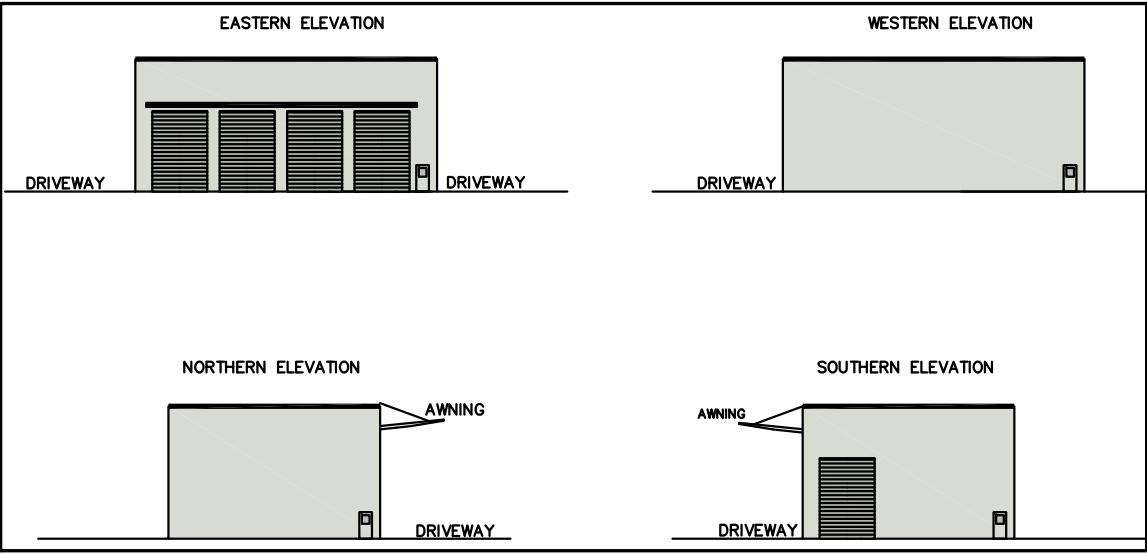
Proposal Plan
Lot 7 on RP846941
Lot 8 on NR153
Lot 201 on SP222765


Drawing No: 5555 P PP 100

Rev. No:



TYPICAL ELEVATIONS
Not to Scale






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planning
design
environment
surveying

Scale at A3: 1:800

Date: 04-09-15

Design: PC

Drawn: PC

Checked: BFG

| Issue | Date | Description | DRN | CHK |
|----------|------|----------------|-----|-----|
| 00-00-00 | | ORIGINAL ISSUE | SJH | BFG |

Project:

CAPTAIN COOK HIGHWAY,
KILLALOE

Client:

GCMA AQUACULTURE

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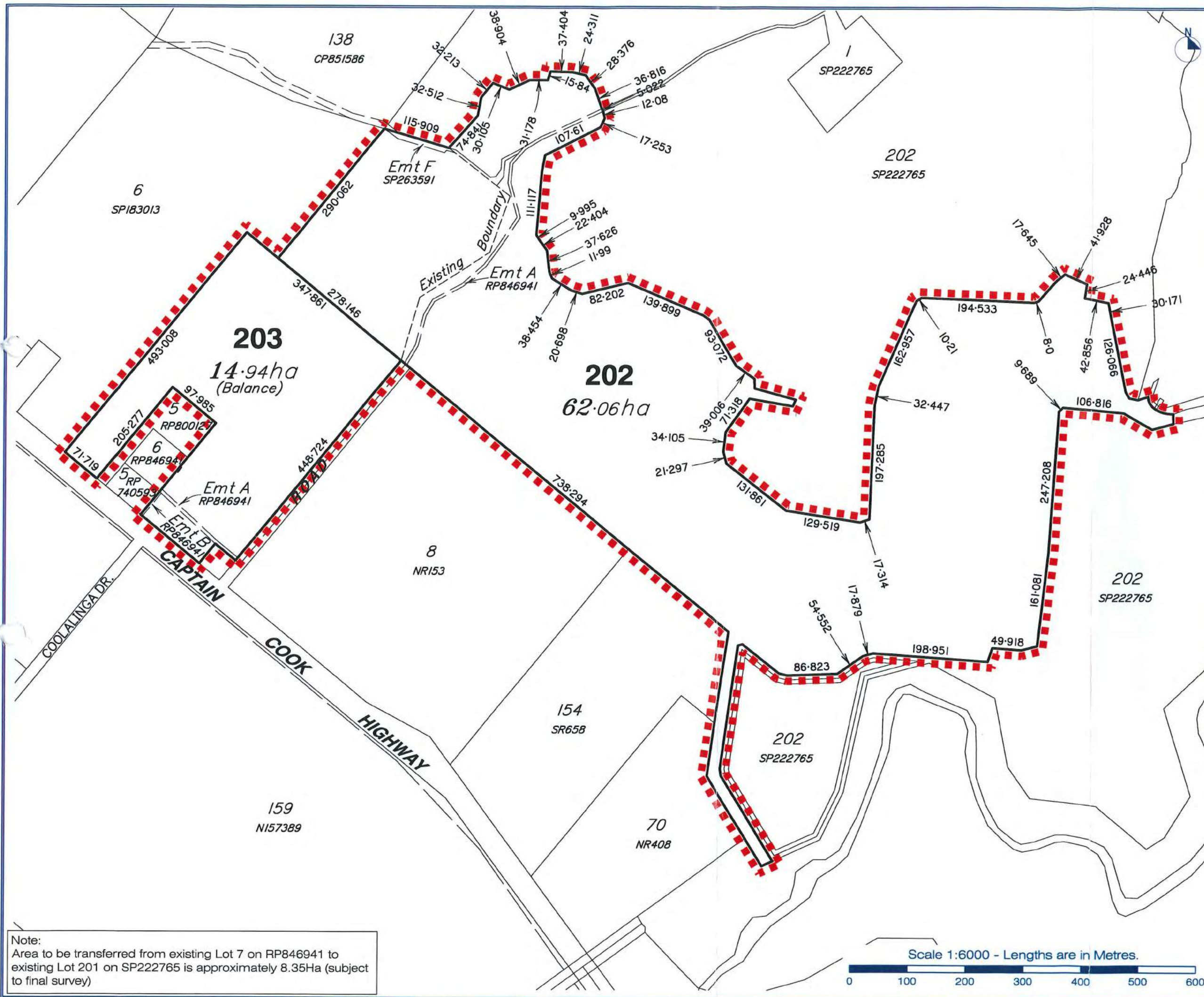
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Drawing Title:

CONCEPT PLAN
OPERATIONAL AREA

Drawing No: 5555-P CP 01.C

Revision No: 000



Client: **GCMA**

Site Address: **Captain Cook Highway, Killaloe**

RPD:
Lot: 201/SP222765 & 7/RP846941
Parish: Victory
County: Solander
Local Authority: Douglas Shire Council
Level Datum: MGA
Meridian: DCDB
Contour Interval: 1m
PSM: 10m
RL: 10m

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| Issue | Date | Description | SJH | BFG |
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| 05-02-15 | 05-02-15 | ORIGINAL ISSUE | SJH | BFG |

Scale at A3: 1:6000

Date: 05-02-15

Design: -

Drawn: SJH

Checked: BFG

Drawing Title: **Proposed Reconfiguration of Land (Boundary Relocation)**

Canceling Lot: 201 on SP222765 and Lot 7 on RP846941

Drawing No: 5555 P ROL 02
Rev. No: 02

MOSMAN

CHANGE OF LEVEL OF LAND

BULK EARTHWORKS - STAGE 01 & 02

No.307- 01 - PRAWN FARM

SCHEDULE OF DRAWINGS

| NUMBER | REV NO | TITLE |
|------------------------------|--------|----------------------------------|
| GENERAL | | |
| 307-01-000 | C | COVER SHEET |
| 307-01-001 | A | GENERAL NOTES & LEGEND |
| 307-01-003 | A | KEY PLAN |
| 307-01-005 | A | EXISTING SURFACE PLAN-SHEET 01 |
| 307-01-006 | A | EXISTING SURFACE PLAN-SHEET 02 |
| 307-01-007 | A | EXISTING SURFACE PLAN-SHEET 03 |
| SEDIMENT & EROSION | | |
| 307-01-010 | B | CONTROL PLAN-SHEET 01 |
| 307-01-011 | B | CONTROL PLAN-SHEET 02 |
| 307-01-012 | B | CONTROL PLAN-SHEET 03 |
| 307-01-013 | B | CONTROL PLAN-SHEET 04 |
| 307-01-014 | B | CONTROL PLAN-SHEET 05 |
| 307-01-015 | B | CONTROL PLAN-SHEET 06 |
| 307-01-016 | B | CONTROL PLAN-SHEET 07 |
| 307-01-017 | B | CONTROL PLAN-SHEET 08 |
| BULK EARTHWORKS | | |
| 307-01-020 | B | CUT FILL PLAN-SHEET 01 |
| 307-01-031 | B | CUT FILL PLAN-SHEET 02 |
| 307-01-032 | B | CUT FILL PLAN-SHEET 03 |
| 307-01-033 | B | CUT FILL PLAN-SHEET 04 |
| 307-01-034 | C | CUT FILL PLAN-SHEET 05 |
| 307-01-035 | B | CUT FILL PLAN-SHEET 06 |
| 307-01-036 | C | CUT FILL PLAN-SHEET 07 |
| 307-01-037 | C | CUT FILL PLAN-SHEET 08 |
| 307-01-050 | B | EARTHWORKS SECTIONS KEY PLAN |
| 307-01-051 | B | BULK EARTHWORK SECTIONS SHEET 01 |
| 307-01-052 | B | BULK EARTHWORK SECTIONS SHEET 02 |
| 307-01-053 | A | BULK EARTHWORK SECTIONS SHEET 03 |
| TYPICAL SECTIONS AND DETAILS | | |
| 307-01-090 | A | SHEET 01 |
| 307-01-091 | A | SHEET 02 |



CLIENT:

GOLD COAST MARINE
AQUACULTURE

LOCALITY PLAN



GENERAL

1. CONTRACT SPECIFICATIONS
2. SETOUT
3. DATUM
4. EXISTING SERVICES - External Works
5. ALL MATERIALS ARISING FROM ROADS AND SERVICES ARE TO BE COMPACTED TO FUTURE STAGES, TO LEVEL 1 OR IF DIRECTED BY THE SUPERINTENDENT SHALL BE TRUCKED TO A LICENSED TIP.
6. CONTRACTOR IS RESPONSIBLE TO ENSURE ANY ELECTRONIC DATA FILES MATCH THE DRAWINGS.

CONSTRUCTION SEQUENCE/SILT MANAGEMENT PROGRAM

1. PRE START
 2. CLEARING AND BULK EARTHWORKS
 3. CONSTRUCTION OF SEWER/ROOFWATER/STORMWATER/SERVICES
 4. CONSTRUCTION - SEDIMENT BASINS
 5. CONSTRUCTION - STOCKPILING
 6. CONSTRUCTION - ROADWORKS
 7. CONSTRUCTION - ALLOTMENTS
 8. POST CONSTRUCTION - ALLOTMENTS
 9. POST CONSTRUCTION - ROAD RESERVES
 10. MAINTENANCE (PRE TO POST CONSTRUCTION)
- THE SILT FENCES ARE TO BE INSPECTED WEEKLY. ANY REPAIRS REQUIRED ARE TO BE EFFECTED IMMEDIATELY. SILT AFTER RAIN IS TO BE CLEANED FROM STREETS AND ALLOTMENTS IMMEDIATELY AND CORRECTIVE ACTION TAKEN TO AVOID A RE-OCCURRENCE OF THE FAILURE.
- BASIN CONSTRUCTION**
1. PRIOR TO COMMENCING CONSTRUCTION OF THE DETENTION BASIN THE DIVERSION OF SURFACE WATER FROM THE PROPOSED WORKS AREA, USING MEASURES SUCH AS OPEN DRAINS/SUMPS, ARE REQUIRED TO AID IN SITE DEWATERING.
 2. BASIN TO CONTINUE ACTING AS SEDIMENT BASIN UNTIL 85% OF CATCHMENT CONSTRUCTION IS COMPLETE.
 3. THE CLAY FILLING FOR THE BASIN WALLS SHALL BE PLACED IN HORIZONTAL LAYERS OF 200mm THICKNESS AND COMPACTED TO A DENSITY RATIO WITHIN THE RANGE 98% - 102% STANDARD COMPACTION (AS 1289 5.11). PLACEMENT MOISTURE CONTENTS SHOULD BE WITHIN THE RANGE OMC -1% TO OMC +2% (WHERE OMC = OPTIMUM MOISTURE CONTENT FOR STANDARD COMPACTION).
 4. CONTRACTOR TO PROVIDE SAFETY FENCING TO BASINS DURING CONSTRUCTION & APPROPRIATE SIGNAGE (PERMANENT OR TEMPORARY).

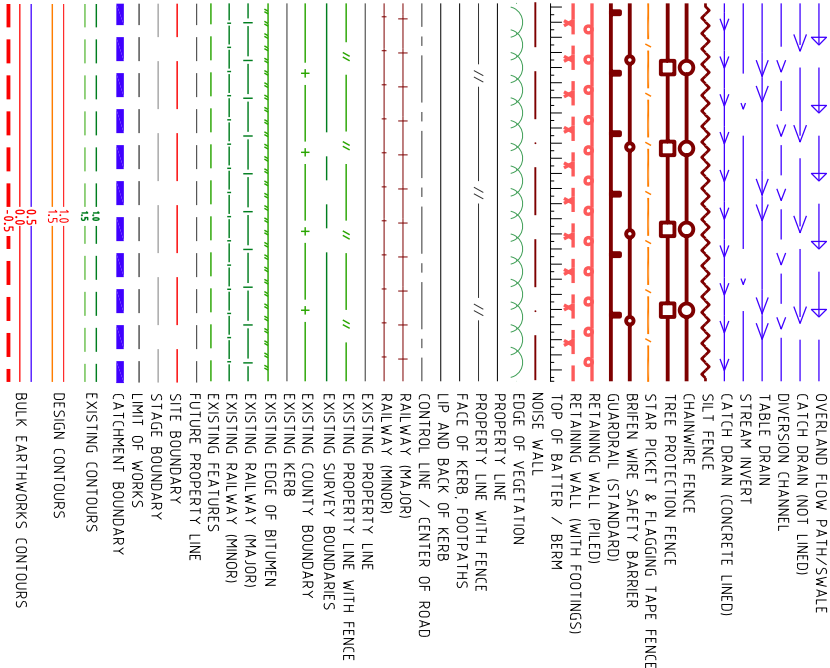
SEDIMENT AND EROSION

1. THE OBJECTIVE OF THE EROSION AND SEDIMENT CONTROL PROGRAM ARE TO:
 - A) ALLOW STORMWATER TO PASS THROUGH THE SITE IN A CONTROLLED MANNER AT NON-EROSIVE FLOW VELOCITIES.
 - B) MINIMISE SOIL EROSION FROM WATER AND WIND.
 - C) MINIMISE ADVERSE EFFECTS OF SEDIMENT RUN-OFF.
 - D) MINIMISE OR PREVENT ENVIRONMENTAL HARM ASSOCIATED WITH DISCHARGE FROM THE CONSTRUCTION SITE.
 - E) ENSURE THAT THE VALUE AND USE OF RESIDENTIAL PROPERTIES ADJACENT TO THE DEVELOPMENT ARE NOT DIMINISHED AS A RESULT OF THE MIGRATION OF SEDIMENT FROM THE DEVELOPMENT.
2. THE EROSION AND SEDIMENT CONTROL PROGRAM SHALL COMPLY WITH THE ENVIRONMENTAL BEST PRACTICE FOR EROSION AND SEDIMENT CONTROL. THE SOIL EROSION AND SEDIMENT CONTROL - ENGINEERING GUIDELINES FOR QUEENSLAND CONSTRUCTION SITES. THE CURRENT INSTITUTION OF ENGINEERS AUSTRALIA AND LOCAL AUTHORITY GUIDELINES.
3. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO CONTROL EROSION AND DOWNSTREAM SEDIMENTATION DURING ALL STAGES OF CONSTRUCTION INCLUDING THE MAINTENANCE PERIOD.
4. PRIOR TO THE COMMENCEMENT OF EARTHWORKS THE CONTRACTOR IS TO CARRY OUT SOIL TESTING (IF REQUIRED BY SUPERINTENDENT) TO DETERMINE THE DISPERSIVE CHARACTERISTICS OF THE SEDIMENT CONTROL PLAN CAN BE COMPLETED.
5. TOPSOIL SHALL BE STRIPPED AND STOCKPILED IN LOCATIONS AGREED WITH THE SUPERINTENDENT. CLEARING OF SITE AND STOCK PILE AREAS TO BE AS DIRECTED BY THE SUPERVISING ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING DUST AT ALL TIMES INCLUDING WEEKENDS AND PUBLIC HOLIDAYS.
6. SUITABLE ACCESS SHALL BE PROVIDED TO ALLOW MAINTENANCE OF ALL SEDIMENT CONTROL DEVICES (IT IS TO BE NOTED THAT CLEARING SHALL ONLY OCCUR IN AREAS WHERE THERE IS NO OTHER ALTERNATIVE TO GAIN ACCESS TO THE LOCATION OF THE SEDIMENT CONTROL DEVICES). APPROVAL FOR REMOVAL OF PROTECTED SIZE VEGETATION MUST BE OBTAINED PRIOR TO CLEARING.
7. PLACE ROCK BUND AROUND ALL HEADWALLS DURING CONSTRUCTION.
8. PLACE 0.8m WIDE TIRE STRIP BEHIND ALL KERBS AND ON ALL BATTERS WITHIN PRIVATE OPEN SPACE STEEPER THAN 1:4 UNLESS OTHERWISE NOTED.
9. THE EXTENT OF GRASSING SHALL BE DETERMINED BY THE ENGINEER AND SHALL BE SEED, AS SPECIFIED WITHIN 7 DAYS OF FINAL TRIMMING.
10. GEOPHABRIC LINING OF CHANNELS AND CHECK DAMS MAY BE REQUIRED SUBJECT TO THE SITE CONDITIONS.
11. FILLING AND OR MAINTENANCE OF EXISTING AND OR SEDIMENT BASINS MAY REQUIRE FLOCCULATION.
12. BATTERS WITHIN PUBLIC OPEN SPACE TO BE VEGETATED IN ACCORDANCE WITH APPROVED OPEN SPACE MANAGEMENT PLAN (OSMP).
13. IT IS THE CONTRACTORS RESPONSIBILITY TO CLEAN OUT GPT'S, FOREBAYS AND ALL OTHER SEDIMENT CONTROL DEVICES AT BOTH ON AND OFF MAINTENANCE. THE CONTRACTOR SHALL ALLOW FOR THE COST OF THESE WORKS WITHIN HIS SUBMITTED TENDER PRICE.

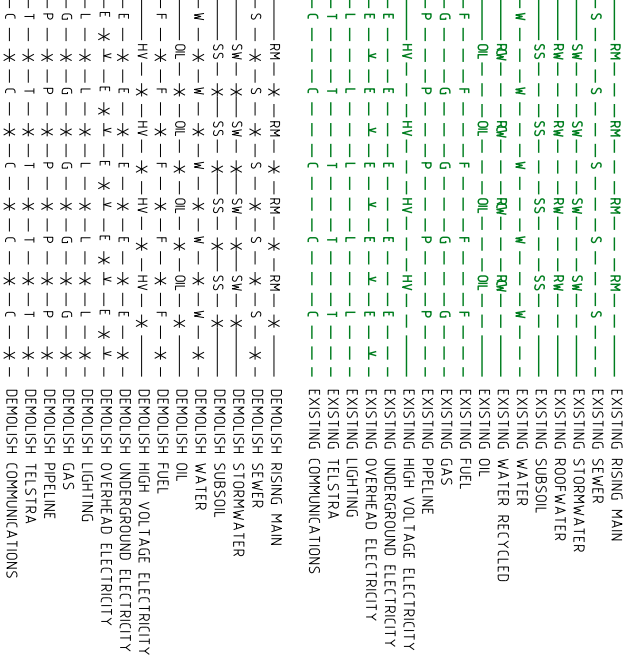
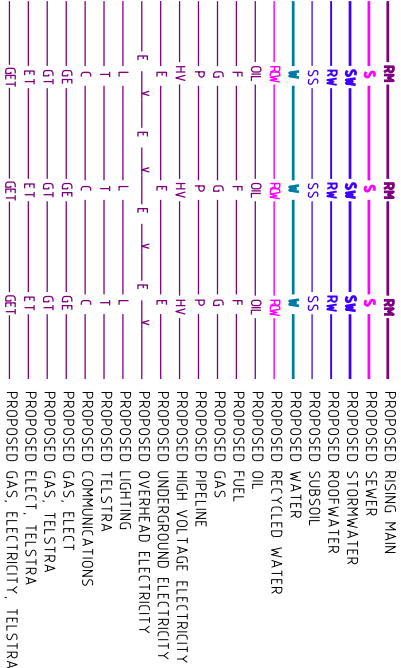
EARTHWORKS/ROADWORKS

1. TOPSOIL STRIPPING
 2. EARTHWORKS LEVELS
 3. COMPACTION STANDARD
 4. PAVEMENT DEPTHS
 5. TESTING
 6. TOPSOIL REPLACEMENT
 7. GRASSING
 8. SUBSOIL DRAINS
 9. ROCK
 10. EARTHWORKS ZONE
 11. STOCKPILES
- THE CONTRACTOR SHALL NOT CREATE STOCKPILES OF SURPLUS MATERIALS UNLESS DIRECTED BY THE SUPERINTENDANT. ALL MATERIALS ARISING FROM THE WORKS SHALL BE COMPACTED TO FUTURE FILL AREAS AS NOMINATED.

FEATURE LEGEND



SERVICES LEGEND



PROJECT NAME

MOSSMAN

CHANGE OF LEVEL OF LAND
BULK EARTHWORKS-STAGE 01 & 02

R. P. DESCRIPTION
LOT 8, NR53
MOSSMAN FARM

CLIENT

**GOLD COAST MARINE
AQUACULTURE**

ISSUES DATE

| ISSUES | DATE |
|----------------|----------|
| TENDER COUNCIL | 23-07-15 |
| CONSTRUCTION | |

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AND
LEGEND

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Civil Engineering
Project Coordination

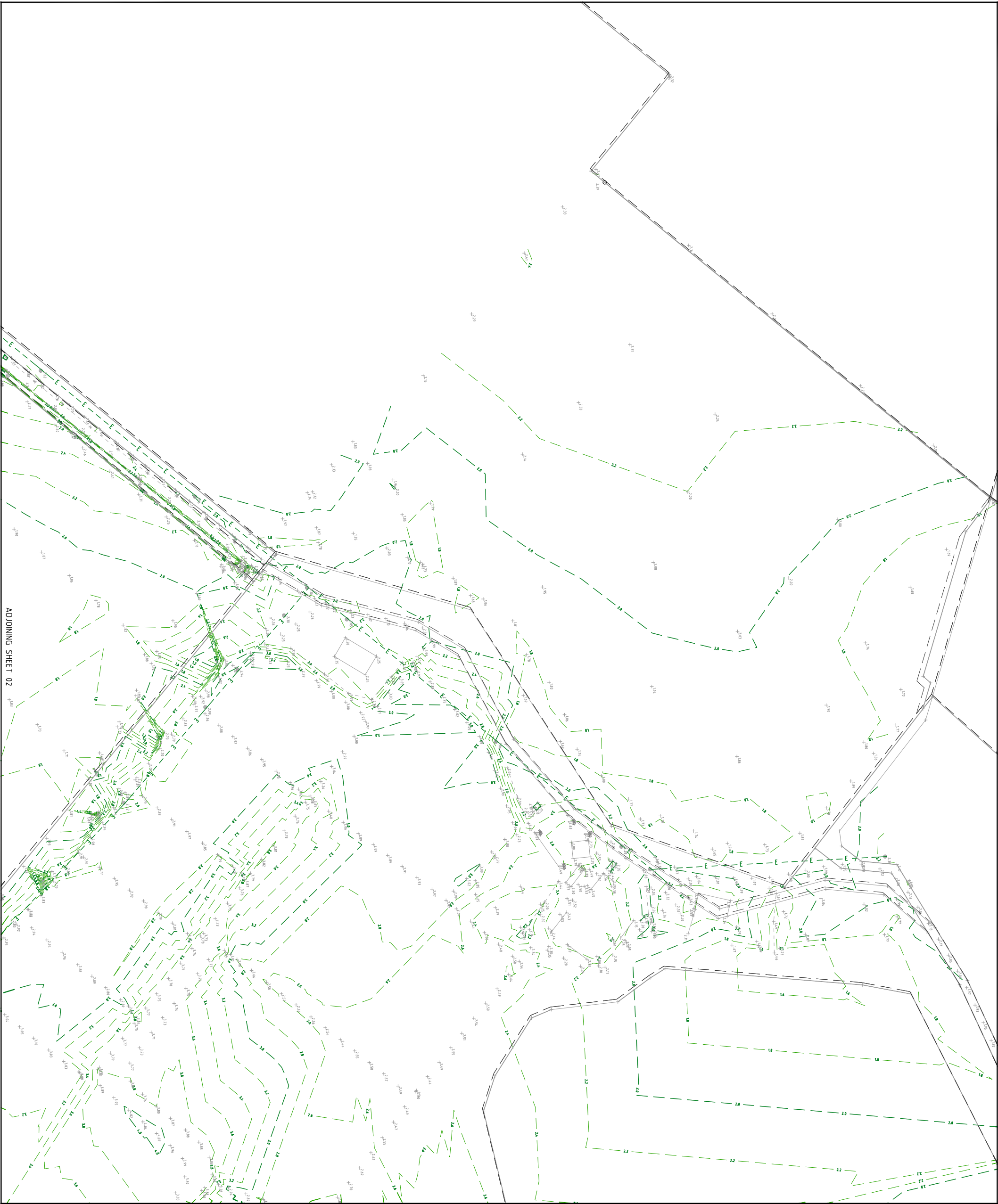
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Southport QLD 4215



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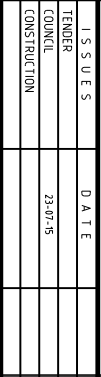
DRAWING NUMBER
307-01-001

DATE
22-05-15

BY
A



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| <p>PROJECT NAME</p> <h1 style="text-align: center;">MOSSMAN</h1> <p style="text-align: center;">CHANGE OF LEVEL OF LAND BULK EARTHWORKS-STAGE 01 & 02</p> <p style="text-align: center;">R.P. DESCRIPTION</p> <p style="text-align: center;">LOT 8, NRPS MOSSMAN FARM</p> | | | | | |
| <p>CLIENT</p> <p style="text-align: center;">GOLD COAST MARINE AQUACULTURE</p> | | | | | |
| <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> | | | | | |
| ISSUES | | DATE | | | |
| TENDER | COUNCIL | 23-07-15 | | | |
| CONSTRUCTION | | | | | |
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| DRAWING TITLE | | | | | |
| NATURAL SURFACE LEVEL PLAN | | | | | |
| SHEET 01 | | | | | |
| <div style="display: flex; justify-content: space-between; align-items: center;"> <div> <p>MORTONS urbansolutions Urban & Regional Planning Civil Engineering Project Coordination</p> <p>MUS Pty Ltd T/as: Mortons-Urban Solutions ABN 39 116 375 065 mortons@urbansolutions.net.au Tel 07 5571 1099 Fax 07 5571 1088</p> </div> <div style="text-align: right;"> <p>Postal Address PO Box 2484, Southport QLD 4215</p> <p>Gold Coast Office Suite 9, 19 Short St Southport QLD 4215</p> </div> </div> | | | | | |
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GENERAL ARRANGEMENT
SEDIMENT & EROSION
CONTROL PLAN
SHEET 02



MORTONS

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D R A W I N G T I T L E

GENERAL ARRANGEMENT
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SHEET 03



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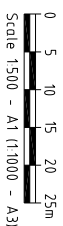
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D R A W I N G T I T L E

GENERAL ARRANGEMENT
SEDIMENT & EROSION
CONTROL PLAN
SHEET 05



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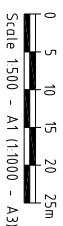
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GENERAL ARRANGEMENT
SEDIMENT & EROSION
CONTROL PLAN
SHEET 07



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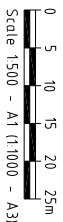
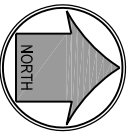
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CONTROL PLAN
SHEET 08



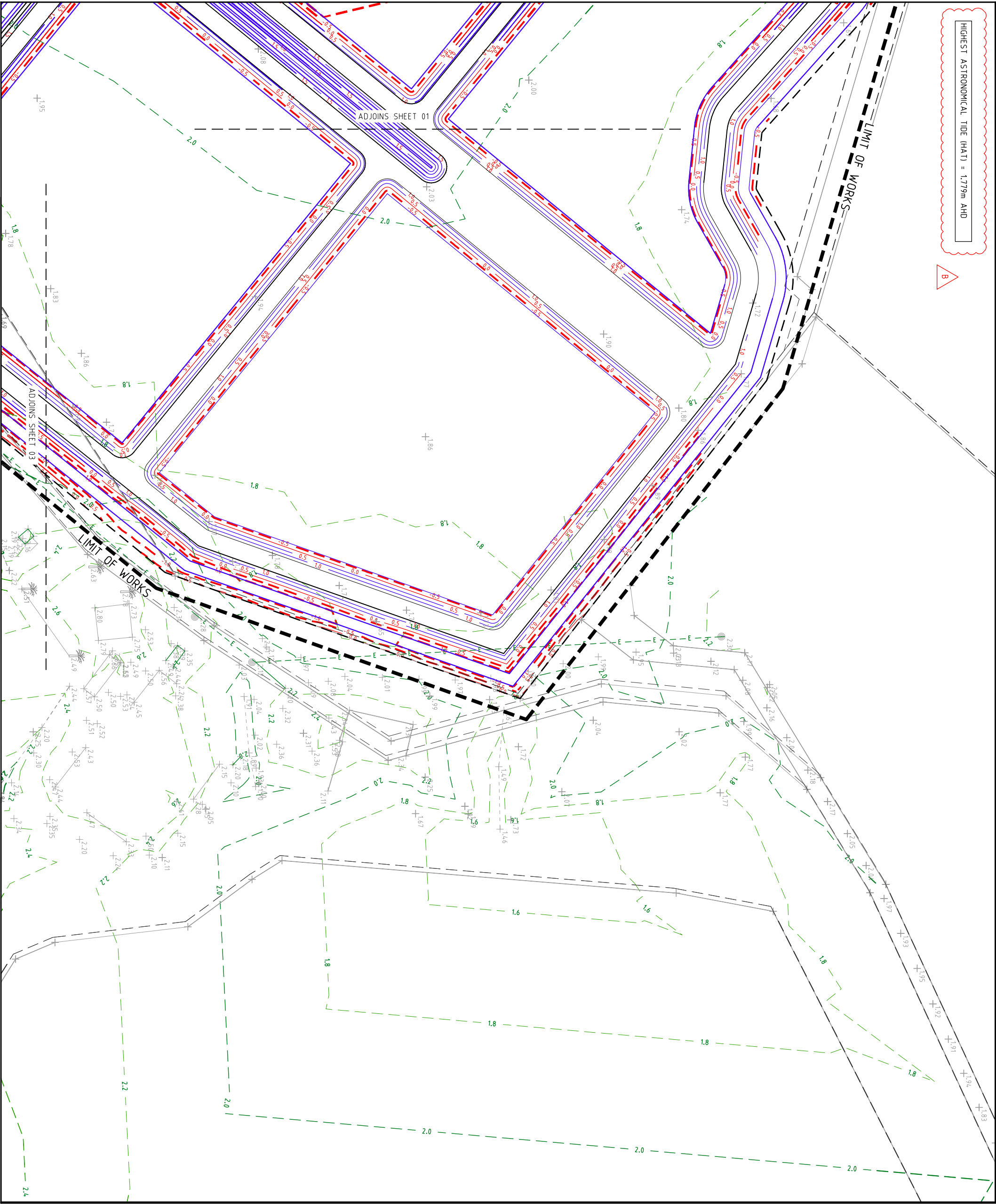
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PROJECT NAME

MOSSMAN
CHANGE OF LEVEL OF LAND
BULK EARTHWORKS-STAGE 01 & 02
R.P. DESCRIPTION
LOT 8, NR53
MOSSMAN FARM

CLIENT

GOLD COAST MARINE
AQUACULTURE

ISSUES

| ISSUES | DATE |
|--------------|----------|
| TENDER | |
| COUNCIL | 23-07-15 |
| CONSTRUCTION | |

SCALE

0 5 10 15 20 25m

Scale 1:500 - A1 (1:1000 - A3)

AMENDMENT

| AMENDMENT | DATE | NOTE |
|-----------|----------|---------------|
| A | 23-07-15 | COUNCIL ISSUE |
| B | 21-12-15 | NOTE ADDED |

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DRAWING TITLE

BULK EARTHWORKS
CUTFILL PLAN
SHEET 02

DESIGNED BY

MORTONS
urbansolutions
Urban & Regional Planning
Civil Engineering
Project Coordination
MUS Pty Ltd T/As
Mortons-Urban Solutions
ABN 39 116 375 065
morton@urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088

DRAWN BY

Gold Coast Office
Suite 9, 19 Short St
Southport QLD 4215

APPROVED BY

26-06-15
26-06-15

DRAWING NUMBER

307-01-031
B

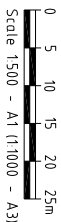
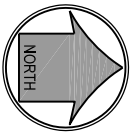


CHANGE OF LEVEL OF LAND
BULK EARTHWORKS-STAGE 01 & 02
R.P. DESCRIPTION

LOT 8, NR153
MOSSMAN FARM

CLIENT

GOLD COAST MARINE
AQUACULTURE



| ISSUES | DATE | |
|--------------|----------|--|
| TENDER | | |
| COUNCIL | 23-07-15 | |
| CONSTRUCTION | | |
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| PREPARE | DATE | AMENDMENT |
|---------|----------|---------------|
| A | 21-12-15 | NOTE ADDED |
| B | 23-07-15 | COMICAL ISSUE |
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| | | |
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D R A W I N G T I T L E

**BULK EARTHWORKS
CUTFILL PLAN
SHEET 04**



UrbanSolutions
Urban & Regional Planning
Civil Engineering
Project Coordination

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 Southport QLD 4215

Gold Coast Office
 Suite 9, 19 Short St
 Southport QLD 4215

| | |
|-------------|----------|
| DESIGNED BY | DRAWN BY |
|-------------|----------|

307-01-033

MEMO.

MOSMAN

R.P. DESCRIPTION

MOSSMAN FARR

GOLD COAST MARINE
AQUACULTURE



| | | |
|--------------|----------|--|
| ISSUES | DATE | |
| TENDER | | |
| COUNCIL | 23-07-15 | |
| CONSTRUCTION | | |

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D R A W I N G T I T L E

**BULK EARTHWORKS
CUTFILL PLAN
SHEET 05**



urbansolutions
Urban & Regional Planning
Civil Engineering
Project Coordination

MUS Pty Ltd T/As:
Mortons-Urban Solutions

itions

ABN: 39 116 375 065

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Gold Coast Office
Suite 9, 19 Short St
Southport QLD 4215

APPROVED *M.K. Smith*
DATE 26-06-15

307-01-034

AMEND.

| | | |
|-------------------------|----------|---------------|
| APPROVED <i>h. K. m</i> | REQ 4706 | DATE 26-06-15 |
| DRAWING NUMBER | | |
| 307-01-035 | AMEND. | |
| | B | |

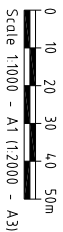
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| DESIGNED | RB | DRAWN | RV |
| APPROVED | <i>for K. m...</i> | RECD | 4706 |
| DRAWING NUMBER | | DATE | 26-06-15 |
| 307-01-036 | | AMEND. | C |

R. P. DESCRIPTION

MOSSMAN FARI

CLIENT

GOLD COAST MARINE
AQUACULTURE



| T E N D E R | | D A T E |
|--------------|---------------------------------|----------|
| COUNCIL | | 23-07-15 |
| CONSTRUCTION | | |
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| | | |
| B | SECTION 1 & SECTION 2 REQUESTED | |
| A | GOMUL ISSUE | |
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| P R E | A M E N D M E N T | |
| D A T E | | |

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100

DRAWING TITLE

BULK EARTHWORKS
SECTIONS SHEET 01

MUS Pty Ltd T/A:
Mortons-Urban Solutions
ABN: 39 116 375 065

Postal Address
PO Box 2484,
Southport QLD 4215

Gold Coast Office
Suite 9, 19 Short St
Southport QLD 4215

| | | | |
|----------|----|-------|----|
| DESIGNED | RB | DRAWN | RV |
|----------|----|-------|----|

DRAWING NUMBER:

M E N D.

| CHANGAGE | EXISTING SURFACE | FINISHED SURFACE | DATUM -9.0 |
|----------|------------------|------------------|------------|
| 0 | 3.645 | | |
| 10 | 3.671 | | |
| 20 | 3.904 | 3.922 | |
| 30 | 3.208 | 2.726 | |
| 40 | 3.845 | 4.335 | |
| 50 | 3.77 | 2.3 | |
| 60 | 3.695 | 2.3 | |
| 70 | 3.621 | 2.3 | |
| 80 | 3.547 | 2.3 | |
| 90 | 3.473 | 2.3 | |
| 100 | 3.478 | 2.3 | |
| 110 | 3.497 | 2.3 | |
| 120 | 3.516 | 2.3 | |
| 130 | 3.536 | 2.3 | |
| 140 | 3.555 | 4.4 | |
| 150 | 3.574 | 2 | |
| 160 | 3.596 | 4.4 | |
| 170 | 3.615 | 2.3 | |
| 180 | 3.626 | 2.3 | |
| 190 | 3.636 | 2.3 | |
| 200 | 3.646 | 2.3 | |
| 210 | 3.656 | 2.3 | |
| 220 | 3.666 | 2.3 | |
| 230 | 3.676 | 2.3 | |
| 240 | 3.686 | 2.3 | |
| 250 | 3.696 | 2.3 | |
| 260 | 3.704 | 3.086 | |
| 270 | 3.713 | 4.4 | |
| 280 | 3.723 | 4.4 | |
| 290 | 3.735 | 2.3 | |
| 300 | 3.746 | 2.3 | |
| 310 | 3.758 | 2.3 | |
| 320 | 3.769 | 2.3 | |
| 330 | 3.777 | 2.3 | |
| 340 | 3.784 | 2.3 | |
| 350 | 3.791 | 2.3 | |
| 360 | 3.798 | 2.3 | |
| 370 | 3.805 | 2.3 | |
| 380 | 3.812 | 2.358 | |
| 390 | 3.819 | 3.942 | |
| 400 | 3.826 | 3.558 | |
| 410 | 3.833 | 2.742 | |
| 420 | 3.84 | 2.3 | |
| 430 | 3.103 | 2.3 | |
| 440 | 3.684 | 2.3 | |
| 450 | 3.731 | 2.3 | |
| 460 | 3.777 | 2.3 | |
| 470 | 3.824 | 2.3 | |
| 480 | 3.87 | 2.3 | |
| 490 | 3.916 | 2.3 | |
| 500 | 3.963 | 3.295 | |
| 510 | 4.009 | 4.696 | |
| 520 | 4.072 | 4.847 | |
| 530 | 3.803 | | |
| 540 | 4.701 | | |
| 547.123 | 4.864 | | |

SECTION 1

| | DATUM - 70.0 | | |
|---------|------------------|------------------|-----|
| CHAMGNE | EXISTING SURFACE | FINISHED SURFACE | |
| 0 | 2.113 | | HCP |
| 10 | 2.167 | 2.54 | RP |
| 20 | 2.382 | 2.429 | |
| 30 | 2.237 | 3.346 | RP |
| 40 | 2.161 | 2.989 | |
| 50 | 2.084 | 2.3 | |
| 60 | 2.007 | 2.3 | |
| 70 | 1.93 | 2.3 | |
| 80 | 1.854 | 2.3 | |
| 90 | 1.782 | 2.3 | |
| 100 | 1.788 | 2.3 | |
| 110 | 1.795 | 2.3 | |
| 120 | 1.801 | 2.3 | |
| 130 | 1.807 | 2.3 | |
| 140 | 1.814 | 4.4 | |
| 150 | 1.82 | 2 | |
| 160 | 1.824 | 4.4 | |
| 170 | 1.833 | 2.3 | |
| 180 | 1.853 | 2.3 | |
| 190 | 1.874 | 2.3 | |
| 200 | 1.894 | 2.3 | |
| 210 | 1.915 | 2.3 | |
| 220 | 1.935 | 2.3 | |
| 230 | 1.956 | 2.3 | |
| 240 | 1.977 | 2.3 | |
| 250 | 1.997 | 2.3 | |
| 260 | 2.018 | 3.086 | |
| 270 | 2.025 | 5.1 | |
| 280 | 1.999 | 4.4 | |
| 290 | 2.001 | 2.3 | |
| 300 | 1.997 | 2.3 | |
| 310 | 1.994 | 2.3 | |
| 320 | 1.99 | 2.3 | |
| 330 | 1.986 | 2.3 | |
| 340 | 1.982 | 2.3 | |
| 350 | 1.978 | 2.3 | |
| 360 | 1.974 | 2.3 | |
| 370 | 1.97 | 2.3 | |
| 380 | 1.966 | 2.358 | |
| 390 | 1.962 | 3.942 | |
| 400 | 1.959 | 3.558 | |
| 410 | 1.955 | 2.742 | |
| 420 | 2.006 | 2.3 | |
| 430 | 1.809 | 2.3 | |
| 440 | 1.795 | 2.3 | |
| 450 | 1.784 | 2.3 | |
| 460 | 1.774 | 2.3 | |
| 470 | 1.763 | 2.3 | |
| 480 | 1.753 | 2.3 | |
| 490 | 1.743 | 2.346 | |
| 500 | 1.732 | 4.298 | |
| 510 | 1.416 | 0.825 | |
| 520 | 0.995 | | RP |
| 530 | 1.94 | | |
| 540 | 2 | | |
| 547.123 | 2 | | HCP |

SECTION 2

| DATUM - 10.0 | | | |
|------------------|------------------|----------|--|
| FINISHED SURFACE | EXISTING SURFACE | CHAINAGE | |
| 0 | 2.342 | | |
| 10 | 2.368 | | |
| 20 | 2.346 | 1.307 | |
| 30 | 2.337 | 3.2 | |
| 40 | 2.332 | 1.1 | |
| 50 | 2.327 | 1.1 | |
| 60 | 2.322 | 1.1 | |
| 70 | 2.324 | 1.1 | |
| 80 | 2.344 | 1.1 | |
| 90 | 2.349 | 1.1 | |
| 100 | 2.353 | 1.1 | |
| 110 | 2.352 | 1.1 | |
| 120 | 2.327 | 1.1 | |
| 130 | 2.288 | 1.1 | |
| 140 | 2.243 | 1.1 | |
| 150 | 2.199 | 1.1 | |
| 160 | 2.161 | 1.1 | |
| 170 | 2.113 | 2.823 | |
| 180 | 2.048 | 3.2 | |
| 190 | 1.982 | 3.2 | |
| 200 | 1.916 | 3.2 | |
| 210 | 1.85 | 3.2 | |
| 220 | 1.795 | 3.2 | |
| 230 | 1.77 | 3.2 | |
| 240 | 1.794 | 3.2 | |
| 250 | 2.029 | 3.2 | |
| 260 | 2.058 | 3.2 | |
| 270 | 2.104 | 3.2 | |
| 280 | 2.154 | 3.2 | |
| 290 | 2.189 | 1.463 | |
| 300 | 2.181 | | |
| 309.247 | 2.278 | | |

SECTION 3

| DATUM - 10.0 | | | |
|------------------|------------------|---------|--|
| FINISHED SURFACE | EXISTING SURFACE | CHAMNAE | |
| 0 | 2.25 | | |
| 10 | 2.25 | | |
| 20 | 2.297 | 0.8 | |
| 30 | 2.282 | 3.2 | |
| 40 | 2.267 | 1.1 | |
| 50 | 2.252 | 1.1 | |
| 60 | 2.227 | 1.1 | |
| 70 | 2.202 | 1.1 | |
| 80 | 2.182 | 1.1 | |
| 90 | 2.183 | 1.1 | |
| 100 | 2.184 | 1.1 | |
| 110 | 2.184 | 1.1 | |
| 120 | 2.185 | 1.1 | |
| 130 | 2.167 | 1.1 | |
| 140 | 2.147 | 1.1 | |
| 150 | 2.123 | 3.2 | |
| 160 | 2.098 | 3.552 | |
| 170 | 2.069 | 2.249 | |
| 180 | 2.042 | 1.1 | |
| 190 | 2.016 | 1.1 | |
| 200 | 1.989 | 1.1 | |
| 210 | 1.962 | 1.1 | |
| 220 | 1.934 | 1.1 | |
| 230 | 1.902 | 1.1 | |
| 240 | 1.871 | 1.1 | |
| 250 | 1.832 | 1.1 | |
| 260 | 1.755 | 1.1 | |
| 270 | 1.699 | 1.1 | |
| 280 | 1.835 | 3.2 | |
| 290 | 2.099 | 0.8 | |
| 300 | 2.52 | | |
| 309.247 | 3.03 | | |

SECTION 4

MOSMAN

CHANGE OF LEVEL OF LAND
BULK EARTHWORKS-STAGE 01 & 02

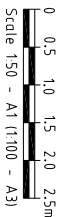
R. P. DESCRIPTION

LOT 8, NR153
MOSSMAN FARM

MOSSMAN FARM

CLIENT

GOLD COAST MARINE
AQUACULTURE



| | | |
|--------------|----------|--|
| ISSUES | DATE | |
| TENDER | | |
| COUNCIL | 23-07-15 | |
| CONSTRUCTION | | |

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WITH 001-NOTES AND 002-LEGEND

ASSOCIATED CONSULTANT

ASSOCIATED CONSUL

D R A W I N G T I T L E

TYPICAL SECTIONS

SHEET 01



Project

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MUS Pty Ltd T/A:

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www.urbandsolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088

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| DESIGNED | RB | DRAWN | RV |
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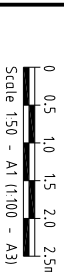
307-01-090

A

R.P. DESCRIPTION

MOSSMAN FARM

CLIENT

GOLD COAST MARINE
AQUACULTURE

| ISSUES | DATE |
|--------------|----------|
| TENDER | |
| COUNCIL | 23-07-15 |
| CONSTRUCTION | |

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TYPICAL SECTIONS
SHEET 02

MORTONS
urban solutions

Project Coordination
Civil Engineering
Urban & Regional Planning

MUS Pty Ltd 17/As
Mortons-urban Solutions
ABN 39 316 315 065

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gold Coast Offices
Suite 9, 79 Short Street
Southport QLD 4215

www.mortonsurban.com.au
info@mortonsurban.com.au
Tel 07 5571 1099
Fax 07 5571 1088



Statement of Landscape Intent

Client - Gold Coast Marine Aquaculture
Address - Captain Cook Highway, Killaloe

Date: 30/06/2015
Scale: 1:3000 @ A3
Dwg No: 5555 L LI 01
Sheet: 1 of 3





PLANTING HAS BEEN SELECTED FOR EASE OF MAINTENANCE AS WELL AS THE SUITABILITY AND TOLERANCE TO THE VARYING CONDITIONS OF THE SITE.

THE PLANTING SCHEME USED IS PREDOMINATELY NATIVE WHICH SOFTENS THE BUILT FORM, IMPROVES NATURAL ECOSYSTEMS AND MINIMISED WATER USAGE.

THE SCALE AND NATURE OF THE LANDSCAPING MATERIALS SHALL BE APPROPRIATE TO THE SIZE OF THE STRUCTURES AND THE AVAILABLE SPACE.

| CODE | BOTANIC NAME | COMMON NAME |
|---------|--|---------------------------|
| ACA red | <i>Azalea wilkesiana "red"</i> | Fijian fire plant |
| ACE smi | <i>Acmena smithii</i> | Lilly pilly |
| ACH spp | <i>Aechmea spp</i> | Bromeliad |
| AGA blu | <i>Agapanthus orientalis "blue"</i> | Agapanthus blue |
| AGA whi | <i>Agapanthus orientalis "white"</i> | Agapanthus white |
| ARC ale | <i>Archontophoenix alexandrae</i> | Alexandra Palm |
| ARC cun | <i>Archontophoenix cunninghamia</i> | Pickabeen Palm |
| BUC cel | <i>Buckinghamia celicissima</i> | Ivory Cuit |
| BAC cit | <i>Backhousia citrodora</i> | Lemon Scented Myrtle |
| BAR suv | <i>Barklya syriaca</i> | Crown of Gold |
| BIS nob | <i>Bismarkia nobilis</i> | Bismark Palm |
| BRA bid | <i>Brachychiton bidwillii</i> | Little Kurrajong |
| BRA mul | <i>Brachyscome multifida</i> | Cut Leaf Daisy |
| BRA pop | <i>Brachychiton populneus</i> | Kurrajong |
| CAL pro | <i>Callistemon "Prolific Pink"</i> | Bottle Brush |
| CAL red | <i>Callistemon "Red Flash"</i> | Elephant ear |
| CAR acu | <i>Carpentaria acuminata</i> | Carpentaria Palm |
| CAS que | <i>Cassia queenslandica</i> | Queensland Cassia |
| CLI min | <i>Clivia miniata</i> | Clivia |
| COR can | <i>Cordyline canniifolia</i> | Palm lily |
| COR red | <i>Cordyline australis "Red Sensation"</i> | Cordyline |
| CRI ped | <i>Crinum pedunculatum</i> | Swamp Lily |
| CUR rec | <i>Curculigo recurvata</i> | Palm Grass |
| DIA bre | <i>Dianella brevipedunculata</i> | Pin Cushion Flax Lily |
| DIA cae | <i>Dianella caerulea</i> | Flax Lily |
| DIA can | <i>Dianella congesta</i> | Coast Flax Lily |
| DIP aus | <i>Diplazium australe</i> | Native tamarind |
| DOR exc | <i>Doryanthes excelsa</i> | Gymea Lily |
| ELA eum | <i>Elaeocarpus eumundii</i> | Eumundi Quandong |
| FLI aus | <i>Flindersia australis</i> | Crows ash |
| HEL spp | <i>Heliconia spp.</i> | Golden Torch |
| HIB het | <i>Hibiscus heterophyllus</i> | Native Hibiscus |
| HIB tl | <i>Hibiscus tiliaceus</i> | Cottonwood Hibiscus |
| IXO spp | <i>Ixora species</i> | Ixoras |
| LIV aus | <i>Livistona australis</i> | Cabbage Palm, Fan Palm |
| LIV dec | <i>Livistona decipiens</i> | Weeping Cabbage tree palm |
| MEL ell | <i>Melicope elleryana</i> | Pink Euodia |
| RAN fit | <i>Randia fitzalanii</i> | Native Gardenia |
| STR nic | <i>Strelitzia nicotia</i> | Saint Bird of Paradise |
| STR reg | <i>Strelitzia reginae</i> | Bird of Paradise |
| THY max | <i>Thysanotus maxima</i> | Tiger Grass |
| TRA jas | <i>Trachelospermum jasminoides</i> | Star Jasmine |



| | |
|-----------------------|-------------|
| DOUGLAS SHIRE COUNCIL | |
| Received | |
| File Name | CA1044/2015 |
| Document No. | |
| 31 MAR 2016 | |
| Attention | NRB orig ✓ |
| Information | |



Department of Infrastructure,
Local Government and Planning

Our reference: SDA-1015-024906
Your reference: CA 1044/2015

24 March 2016

Chief Executive Officer
Douglas Shire Council
PO Box 723
Mossman QLD 4873

Att: Neil Beck

Dear Sir / Madam

Concurrence agency response—with conditions

Development application for a material change of use (expansion of existing aquaculture facility & caretaker's residence), Reconfiguration of a lot (boundary realignment) and Operational work on land located at Captain Cook Highway, Killaloe and more particularly described as Lot 8 on NR153, Lot 201 on SP222765 and Lot 7 on RP846941

(Given under section 285 of the *Sustainable Planning Act 2009*)

The referral agency material for the development application described below was received by the Department of Infrastructure, Local Government and Planning under section 272 of the *Sustainable Planning Act 2009* on 20 October 2015.

Applicant details

| | |
|----------------------------|---|
| Applicant name: | Gold Coast Marine Aquaculture c/- Gassman Development Perspectives |
| Applicant contact details: | PO Box 392 Beenleigh QLD 4207 bcraddock@gassman.com.au |

Site details

| | |
|------------------------|---|
| Street address: | Captain Cook Highway, Killaloe |
| Lot on plan: | Lot 8 on NR153, Lot 201 on SP222765 and Lot 7 on RP846941 |
| Local government area: | Douglas Shire Council |

Application details

| | |
|-----------------------|--|
| Proposed development: | Development permit (combined application) for a material change of use (expansion of existing aquaculture facility & caretaker's residence), Reconfiguration of a lot (boundary realignment) and Operational work for change to ground level |
|-----------------------|--|

Aspects of development and type of approval being sought

| Nature of Development | Approval Type | Brief Proposal of Description | Level of Assessment |
|------------------------|--------------------|--|---------------------|
| Material Change of Use | Development permit | Expansion of existing aquaculture facility & caretaker's residence | Impact Assessment |
| Reconfiguring a Lot | Development permit | Boundary realignment | Impact Assessment |
| Operational Work | Development permit | Change to ground levels | Impact Assessment |

Referral triggers

The development application was referred to the department under the following provisions of the *Sustainable Planning Regulation 2009*:

| | |
|------------------|--|
| Referral trigger | Schedule 7, Table 2, Item 13 – Tidal works, or development in a coastal management district |
| | Schedule 7, Table 2, Item 28 – Certain aquaculture |
| | Schedule 7, Table 3, Item 1 – State-controlled road |
| | Schedule 7, Table 3, Item 5 – Coastal management districts |

Conditions

Under section 287(1)(a) of the *Sustainable Planning Act 2009*, the conditions set out in Attachment 1 must be attached to any development approval.

Reasons for decision to impose conditions

Under section 289(1) of the *Sustainable Planning Act 2009*, the department must set out the reasons for the decision to impose conditions. These reasons are set out in Attachment 2.

Further advice

Under section 287(6) of the *Sustainable Planning Act 2009*, the department offers advice about the application to the assessment manager—see Attachment 3.

Approved plans and specifications

The department requires that the following plans and specifications set out below and in Attachment 4 must be attached to any development approval.


| Drawing/Report Title | Prepared by | Date | Reference | Version/Issue |
|----------------------|-------------|------|-----------|---------------|
|----------------------|-------------|------|-----------|---------------|

| | | | no. | |
|---|---|------------|--------------------------------------|---|
| Aspect of development: Material change of use and operational work | | | | |
| Proposal Plan - Lot 7 on RP846941, Lot 8 on NR153, Lot 201 on SP222765 | Gassman Development Perspectives | 09-02-16 | 555 P PP 100 | A |
| Concept Plan Operational Area | Gassman Development Perspectives | 04-09-15 | 555-P CP 01.C | - |
| Statement of Landscaping Intent | Gassman Development Perspectives | 30/06/2015 | 5555 L LI 01 (Sheet 1 of 3) | - |
| General Arrangement Sediment & Erosion Control Sheet 06 | Mortons Urban Solutions | 21-12-15 | 307-01-015 | B |
| General Arrangement Sediment & Erosion Control Sheet 08 | Mortons Urban Solutions | 21-12-15 | 307-01-017 | B |
| Bulk Earthworks CutFill Plan Sheet 06 | Mortons Urban Solutions | 21-12-15 | 307-01-035 | B |
| Bulk Earthworks CutFill Plan Sheet 08 | Mortons Urban Solutions | 02-03-16 | 307-01-037 | C |
| TMR Layout Plan (20A – 64.48km) | Queensland Government Transport and Main Roads | 17/11/2015 | 275/20A (500-924) | A |
| Rural Property Access – Single or Dual Carriageway (Conditional) | Austroroads: Part 4 - Intersections and Crossings - General | 2009 | Figure 7.2 | - |
| Aspect of development: Reconfiguration of a lot | | | | |
| Existing & Proposed Reconfiguration of Land (Boundary Relocation) | Gassman Development Perspectives | 05-02-16 | 5555 P ROL 02 – 2OF 2 (Sheet 2 of 2) | A |

A copy of this response has been sent to the applicant for their information.

For further information, please contact Joanne Manson, Principal Planning Officer, SARA Far North QLD on 4037 3228 or email joanne.manson@dilgp.qld.gov.au who will be pleased to assist.

Yours sincerely



Graeme Kenna
Manager (Planning)

cc: Gold Coast Marine Aquaculture, c/- Gassman Development Perspectives
email: bcraddock@gassman.com.au

enc: Attachment 1—Conditions to be imposed
Attachment 2—Reasons for decision to impose conditions
Attachment 3—Further advice
Attachment 4—Approved Plans and Specifications

Our reference: SDA-1015-024906

Your reference: 5555.BC

Attachment 1—Conditions to be imposed

| No. | Conditions | Condition timing |
|--|---|--|
| Material change of use (expansion of existing aquaculture facility & caretaker's residence), and Operational work | | |
| Schedule 7, Table 2, Item 13 – Tidal work, or development in a coastal management district (operational work) and Schedule 7, Table 3, Item 5 - Coastal management districts (material change of use) —Pursuant to section 255D of the <i>Sustainable Planning Act 2009</i> , the chief executive administering the Act nominates the Director-General of the Department of Environment and Heritage Protection to be the assessing authority for the development to which this development approval relates for the administration and enforcement of any matter relating to the following condition(s): | | |
| 1. | <p>The development must be carried out generally in accordance with the following plan:</p> <ul style="list-style-type: none"> Existing & Proposed Reconfiguration of Land (Boundary Relocation), prepared by Gassman Development Perspectives, dated 05-02-16, drawing no. 555P ROI02-OF2, Sheet 2 of 2, Issue A Proposal Plan - Lot 7 on RP846941, Lot 8 on NR153 and Lot 201 on SP222765, prepared by Gassman Development Perspectives, dated 09-02-16, drawing no. 555 P PP100, Issue A Concept Plan Operational Area, prepared by Gassman Development Perspectives, dated 04-09-15, drawing no. 555-P CP 01.C | Prior to the commencement of use and to be maintained at all times |
| 2. | Erosion and sediment control measures are to be installed and maintained to prevent the release of sediment to tidal waters. | Prior to commencement of the works and maintained until their completion |
| 3. | Any disturbed or oxidised acid sulphate soil must be treated and managed in accordance with the current <i>Queensland Acid Sulfate Soil Technical Manual: Soil Management Guidelines v4.0</i> , prepared by the Department of Science, Information Technology, Innovation and the Arts, 2014. | For the duration of the works the subject of this approval |
| Material change of use (expansion of existing aquaculture facility) | | |
| Schedule 7, Table 2, Item 28 — Certain aquaculture - Pursuant to section 255D of the <i>Sustainable Planning Act 2009</i> , the chief executive administering the Act nominates the Director-General of the Department of Agriculture and Fisheries to be the assessing authority for the development to which this development approval relates for the administration and enforcement of any matter relating to the following condition(s): | | |
| 4. | <p>The development must be carried out generally in accordance with following plans:</p> <ul style="list-style-type: none"> Proposal Plan Lot 7 on RP846941, Lot 8 on NR153, Lot 201 on SP222765 prepared by Gassman Development Perspectives dated 09-12-16, reference 5555 P PP 100, Issue A | Prior to the commencement of use and to be maintained at all times |

| No. | Conditions | Condition timing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|--|--------------------|------------------------|-----------------|--------------------------------|--------------|---------------------------|----------------|-----------------------|------------|-------------------------|----------------|------------------------------|--------------------------|-------------------------------|---------------|---------------------------|---------------|-------------------------------|-----------------------|-------------------------------|-------------------|------------------------|----------------------|-------------------------------|-----------------------|----------------------------|-----------------------|-------------------------------|-------------------|---------------------------|-------|-----------------------------|--------------------|-------------------------------|------------------|--------------------------|-------------|-----------------------------|-------------|----------------------------------|------------------------------------|-------------------------------|------------------------------------|---------------------------------|--------------------------------------|----------------------------------|----------------|------------------------|------------------------|-----------------------------|---------------|-----------------------------|--------------|
| 5. | Development authorised under this approval is limited as follows: <ul style="list-style-type: none">Conduct aquaculture in the approved Aquaculture Area being limited to 62.42 hectares and show in Proposal Plan Lot 7 on RP846941, Lot 8 on NR153 Lot 201, on SP222765 prepared by Gassman Development Perspectives dated 09-02-16, reference 5555 P PP 100, Issue A | At all times | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. | <p>The operator is authorised to conduct aquaculture on and harvest the following approved species.</p> <table><thead><tr><th><u>Common Name</u></th><th><u>Scientific Name</u></th></tr></thead><tbody><tr><td>Australian bass</td><td><i>Macquaria novemaculeata</i></td></tr><tr><td>Banana prawn</td><td><i>Penaeus merguensis</i></td></tr><tr><td>Barcoo grunter</td><td><i>Scortum barcoo</i></td></tr><tr><td>Barramundi</td><td><i>Lates calcarifer</i></td></tr><tr><td>Barramundi cod</td><td><i>Cromileptes altivelis</i></td></tr><tr><td>Barred-cheek coral trout</td><td><i>Plectropomus maculatus</i></td></tr><tr><td>Batik Lobster</td><td><i>Panulirus longipes</i></td></tr><tr><td>Black Lobster</td><td><i>Panulirus penicillatus</i></td></tr><tr><td>Black Slipper Lobster</td><td><i>Parribacus antarcticus</i></td></tr><tr><td>Black tiger prawn</td><td><i>Penaeus monodon</i></td></tr><tr><td>Blue endeavour prawn</td><td><i>Metapenaeus endeavouri</i></td></tr><tr><td>Blue-spot coral trout</td><td><i>Plectropomus laevis</i></td></tr><tr><td>Blunt Slipper Lobster</td><td><i>Scyllarides squammosus</i></td></tr><tr><td>Brown tiger prawn</td><td><i>Penaeus esculentus</i></td></tr><tr><td>Cobia</td><td><i>Rachycentron canadum</i></td></tr><tr><td>Common coral trout</td><td><i>Plectropomus leopardus</i></td></tr><tr><td>Eel tail catfish</td><td><i>Tandanus tandanus</i></td></tr><tr><td>Estuary cod</td><td><i>Epinephelus coioides</i></td></tr><tr><td>Flowery cod</td><td><i>Epinephelus fuscoguttatus</i></td></tr><tr><td>Golden perch (Cooper Creek strain)</td><td><i>Macquaria ambigua n.sp</i></td></tr><tr><td>Golden perch (Dawson River strain)</td><td><i>Macquaria ambigua oriens</i></td></tr><tr><td>Golden perch (Murray-Darling strain)</td><td><i>Macquaria ambigua ambigua</i></td></tr><tr><td>Golden Snapper</td><td><i>Lutjanus johnii</i></td></tr><tr><td>Green Tropical Lobster</td><td><i>Panulirus versicolor</i></td></tr><tr><td>Gulf Saratoga</td><td><i>Scleropages jardinii</i></td></tr></tbody></table> | <u>Common Name</u> | <u>Scientific Name</u> | Australian bass | <i>Macquaria novemaculeata</i> | Banana prawn | <i>Penaeus merguensis</i> | Barcoo grunter | <i>Scortum barcoo</i> | Barramundi | <i>Lates calcarifer</i> | Barramundi cod | <i>Cromileptes altivelis</i> | Barred-cheek coral trout | <i>Plectropomus maculatus</i> | Batik Lobster | <i>Panulirus longipes</i> | Black Lobster | <i>Panulirus penicillatus</i> | Black Slipper Lobster | <i>Parribacus antarcticus</i> | Black tiger prawn | <i>Penaeus monodon</i> | Blue endeavour prawn | <i>Metapenaeus endeavouri</i> | Blue-spot coral trout | <i>Plectropomus laevis</i> | Blunt Slipper Lobster | <i>Scyllarides squammosus</i> | Brown tiger prawn | <i>Penaeus esculentus</i> | Cobia | <i>Rachycentron canadum</i> | Common coral trout | <i>Plectropomus leopardus</i> | Eel tail catfish | <i>Tandanus tandanus</i> | Estuary cod | <i>Epinephelus coioides</i> | Flowery cod | <i>Epinephelus fuscoguttatus</i> | Golden perch (Cooper Creek strain) | <i>Macquaria ambigua n.sp</i> | Golden perch (Dawson River strain) | <i>Macquaria ambigua oriens</i> | Golden perch (Murray-Darling strain) | <i>Macquaria ambigua ambigua</i> | Golden Snapper | <i>Lutjanus johnii</i> | Green Tropical Lobster | <i>Panulirus versicolor</i> | Gulf Saratoga | <i>Scleropages jardinii</i> | At all times |
| <u>Common Name</u> | <u>Scientific Name</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Australian bass | <i>Macquaria novemaculeata</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Banana prawn | <i>Penaeus merguensis</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Barcoo grunter | <i>Scortum barcoo</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Barramundi | <i>Lates calcarifer</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Barramundi cod | <i>Cromileptes altivelis</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Barred-cheek coral trout | <i>Plectropomus maculatus</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Batik Lobster | <i>Panulirus longipes</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Lobster | <i>Panulirus penicillatus</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Slipper Lobster | <i>Parribacus antarcticus</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black tiger prawn | <i>Penaeus monodon</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blue endeavour prawn | <i>Metapenaeus endeavouri</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blue-spot coral trout | <i>Plectropomus laevis</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blunt Slipper Lobster | <i>Scyllarides squammosus</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brown tiger prawn | <i>Penaeus esculentus</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cobia | <i>Rachycentron canadum</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Common coral trout | <i>Plectropomus leopardus</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eel tail catfish | <i>Tandanus tandanus</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Estuary cod | <i>Epinephelus coioides</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flowery cod | <i>Epinephelus fuscoguttatus</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Golden perch (Cooper Creek strain) | <i>Macquaria ambigua n.sp</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Golden perch (Dawson River strain) | <i>Macquaria ambigua oriens</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Golden perch (Murray-Darling strain) | <i>Macquaria ambigua ambigua</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Golden Snapper | <i>Lutjanus johnii</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Green Tropical Lobster | <i>Panulirus versicolor</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gulf Saratoga | <i>Scleropages jardinii</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| No. | Conditions | Condition timing |
|-----|--|----------------------|
| | <p>Kuruma prawn <i>Penaeus japonicus</i></p> <p>Mahi Mahi <i>Coryphaena hippurus</i></p> <p>Mangrove jack <i>Lutjanus argentimaculatus</i></p> <p>Moreton Bay bug <i>Thenus orientalis</i></p> <p>Moreton Bay bug <i>Thenus indicus</i></p> <p>Mud Lobster <i>Panulirus polyphagus</i></p> <p>Mulloway <i>Argyrosomus japonicus</i></p> <p>Murray cod <i>Maccullochella peeli peeli</i></p> <p>Passionfruit trout <i>Plectropomus areolatus</i></p> <p>Queensland groper <i>Epinephelus lanceolatus</i></p> <p>Sand Lobster <i>Panulirus homarus</i></p> <p>Sand whiting <i>Sillago ciliata</i></p> <p>Silver perch <i>Bidyanus bidyanus</i></p> <p>Sleepy cod <i>Oxyeleotris lineolatus</i></p> <p>Snapper <i>Pagrus auratus</i></p> <p>Southern saratoga <i>Scleropages leichardti</i></p> <p>Tropical rock lobster <i>Panulirus ornatus</i></p> | |
| 7. | The administering authority must be informed via notifications@daf.qld.gov.au of any changes to the personal contact details for this development approval. | Within 28 days |
| 8. | An aquaculture production return must be submitted in the approved form to the Department of Agriculture and Fisheries (Fisheries Qld). This includes lodging a nil return when no activity has occurred. | By 31 July each year |
| 9. | The possession and use of "regulated fishing apparatus" under the <i>Fisheries Regulation 2008</i> , Chapter 4, Part 1, Division 4, Subdivision 1 (freshwater) and Subdivision 2, sections 188 and 189 (marine), are authorised at the approved aquaculture area. | At all times |
| 10. | <p>Aquaculture fisheries resources must not be released into Queensland waters (as defined in the <i>Acts Interpretation Act 1954</i>) other than those waters approved under this development approval.</p> <p>Unless otherwise authorised, aquaculture fisheries resources must not be sold, traded or given away for the purposes of using for bait. This includes the use of whole fish and any part of the fish.</p> | At all times |
| 11. | The movement of animals of any species cultivated under this approval must comply with the relevant species specific health protocol. If the species being cultivated under this approval does not have a species specific health protocol the following conditions 12 and 13 apply. | At all times |
| 12. | Animals of a species approved for aquaculture under this development approval must not be brought into Queensland for rearing without a health certificate or pathology report issued by | At all times |

| No. | Conditions | Condition timing |
|-----|---|--|
| | <p>the exporting state or territory's fisheries, or a veterinary authority certifying the animals health, which must include a statement that the specimens originate from:</p> <ul style="list-style-type: none"> (a) a hatchery, farm, aquaculture premises or region which is recognised as free from infection by the diseases on the Queensland Declared Disease List based on the requirements listed in the <i>OIE Manual of Diagnostic Tests for Aquatic Animals</i>, current edition (Fourth Edition 2003 or later) for recognition as free from infection; or (b) a hatchery, farm, aquaculture premises or region in which an appropriate targeted surveillance scheme over 2 years has been undertaken under the supervision of State or Territory Fisheries agencies or fisheries approved Veterinary authorities and where the requirements for recognition as free from infection by diseases of concern for that species on the <i>OIE Manual of Diagnostic Tests for Aquatic Animals</i>, current edition (Fourth Edition 2003 or later) have been met; or (c) a single batch of gametes, larvae, fry, post-larvae, spat or early juvenile or adult of a species of finfish, crustaceans or molluscs, isolated from open waters, which has been tested using suitable techniques (refer to DAF Health Translocation Protocols appropriate for the approved species) to provide evidence that the batch is free from infection by diseases of concern on the Queensland Declared Disease List for that species. (d) an animal of an aquatic species that is not finfish, crustacean or mollusc must not be brought into Queensland for rearing without a specific risk assessment and under a specific translocation protocol for that species. | |
| 13. | <ul style="list-style-type: none"> (a) Animals of a species approved for aquaculture under this development approval must not be brought into Queensland for rearing unless an "Application to allow the Translocation of Live Aquatic Animals into and within Queensland form"(FDU1398) and Pathology Report has been completed and the administering authority has provided written acknowledgement and approval of the "Details of translocation form" and the Pathology Report. (b) The "Application to allow the Translocation of Live Aquatic Animals into and within Queensland form" and a signed copy of the Pathology Report (as detailed above) must be provided to the administering authority via translocation@daf.qld.gov.au, a minimum of three (3) working days prior to all shipments into Queensland. It is a requirement that the pathology report/health certificate is dated no more than 14 days before shipment date. (c) After arrival, any unusual clinical signs or mortalities in the stock must be reported immediately to the Queensland Boating and Fisheries Patrol. If directed by an officer of the administering authority, specimens must be forwarded to a veterinary laboratory as directed by the officer. | <p>(a) At all times</p> <p>(b) A minimum three working days prior to shipments into Queensland</p> <p>(c) At all times</p> |
| 14. | The control over the release of water from all ponds, tanks and | At all times |

| No. | Conditions | Condition timing |
|--|--|--|
| | drainage systems within the approved aquaculture area must be maintained at all times. | |
| 15. | The aquaculture area is secured to prevent the overland escape of aquaculture product by maintaining a perimeter barrier that is impervious to all size classes of the aquaculture fisheries resources that are capable of overland escape. | At all times |
| 16. | All reasonable and practicable measures to ensure that all waters (ponds, tanks, aquaria drainage systems etc.) on the approved aquaculture area are screened in such a way to prevent the escape of any specimens (eggs, juveniles or adults) into Queensland waters (as defined in the <i>Acts Interpretation Act 1954</i>). | At all times |
| 17. | Where waters are introduced for the aquaculture of the approved species, all reasonable measures must be taken to ensure all waters are sufficiently screened to prevent the movement of any juvenile or adult wild fauna (excepting zooplankton) into the approved aquaculture area. | At all times |
| 18. | This development approval authorises the purchase of broodstock and/or culture stock from the holder of a commercial fishing boat licence, a commercial fisher, or holder of any other authority that allows the sale of the approved species | At all times |
| 19. | Any Development Approval and/or Resource Allocation Authority area, and any associated areas which are used for activities related to the approved aquaculture operation (including processing), and all records relating to the aquaculture activity, must be made available for inspection by an inspector under the <i>Fisheries Act 1994</i> during reasonable hours. | At all times |
| Material change of use (expansion of existing aquaculture facility & caretakers residence) | | |
| Schedule 7, Table 3, Item 1— State-controlled road (material change of use) - Pursuant to section 255D of the <i>Sustainable Planning Act 2009</i>, the chief executive administering the Act nominates the Director-General of the Department of Transport and Main Roads to be the assessing authority for the development to which this development approval relates for the administration and enforcement of any matter relating to the following condition(s): | | |
| In accordance with approved plans | | |
| 20. | <p>The development must be carried out generally in accordance with the following plans:</p> <ul style="list-style-type: none"> Existing & Proposed Reconfiguration of Land (Boundary Relocation), prepared by Gassman Development Perspectives, dated 05-02-16, drawing no. 555P ROI02-OF2, Sheet 2 of 2, Issue A Proposal Plan Lot 7 on RP846941, Lot 8 on NR153, Lot 201 on SP222765, prepared by Gassman Development Perspectives, dated 09-02-16, Drawing No 555 P PP 100, Issue A Statement of Landscaping Intent, prepared by Gassman Development Perspectives, dated 30/06/2015, Dwg No 5555 L LI 01, Sheet 1 of 3 General Arrangement Sediment & Erosion Control Sheet 06 prepared by Mortons Urban Solutions, dated 21-12-15, Drawing No 307-01-015, Amend B General Arrangement Sediment & Erosion Control Sheet | Prior to the commencement of use and to be maintained at all times |

| No. | Conditions | Condition timing |
|---|---|--|
| | <p>08, prepared by Mortons Urban Solutions, dated 21-12-15, Drawing No 307-01-017, Amend B</p> <ul style="list-style-type: none"> • Bulk Earthworks CutFill Plan Sheet 06 prepared by Mortons Urban Solutions, dated 21-12-15, Drawing No 307-01-035, Amend B • Bulk Earthworks CutFill Plan Sheet 08 prepared by Mortons Urban Solutions, dated 02-03-16, Drawing No 307-01-037, Amend C • TMR Layout Plan (20A – 64.48km) prepared by Queensland Government Transport and Main Roads, dated 17/11/2015, File Ref: 275/20A (500-924), Issue A. | |
| In accordance with approved report | | |
| 21. | <p>The development must be in accordance with the Development Application, prepared by Gassman Development Perspectives, dated September 2015, and given reference/revision number Section 6.0: The Proposal and in particular:</p> <ul style="list-style-type: none"> • Creation of an additional 21 aquaculture ponds and associated buildings. • No excavated fill will be transported from the land (balance cut/fill). • No retail sales to the general public all deliveries are freighted to the Cairns Airport | Prior to the commencement of use and to be maintained at all times |
| Location of the direct vehicular access to the state-controlled road | | |
| 22. | <p>The permitted road access location, for which approval under section 62 of the <i>Transport Infrastructure Act 1994</i> must be obtained, is to be located generally in accordance with TMR Layout Plan (20A – 64.48km) prepared by Queensland Government Transport and Main Roads, dated 17/11/2015, File Ref: 275/20A (500-924), Issue A.</p> | At all times |
| Design vehicle and traffic volume | | |
| 23. | <p>Road access works comprising of a sealed property access to the development, for which approval under section 33 of the <i>Transport Infrastructure Act 1994</i> must be obtained, at the permitted road access location, must be provided generally in accordance with TMR Layout Plan (20A – 64.48km) prepared by Queensland Government Transport and Main Roads, dated 17/11/2015, File Ref: 275/20A (500-924), Issue A.</p> <p>The road access works must be designed and constructed in accordance with Guide to Road Design - Part 4 of Austroads: Intersections and Crossings - General, Figure 7.2 (rural property access – single or dual carriageway (conditional)).</p> | Prior to the commencement of use and to be maintained at all times |
| Stormwater and Drainage impacts on the state-controlled road | | |
| 24. | <p>(a) The development must be in accordance with the Stormwater Management Plan entitled Proposed Prawn Farm Expansion - Flood Assessment, prepared by BMT WBM Pty Ltd, dated 24/08/15, and given reference/revision number R.B21286.00:</p> <p>(b) Any works on the land must not:</p> <ol style="list-style-type: none"> create any new discharge points for stormwater runoff onto the state-controlled road; interfere with and/or cause damage to the existing stormwater drainage on the state-controlled road; | (a) and (b) At all times |

| No. | Conditions | Condition timing |
|-----|--|---|
| | <p>iii. surcharge any existing culvert or drain on the state-controlled road;</p> <p>iv. reduce the quality of stormwater discharge onto the state-controlled road.</p> <p>AND</p> <p>(c) RPEQ certification must be provided to the Program Delivery and Operations Unit, Department of Transport and Main Roads, Far North Queensland Region: (Far.North.Queensland.IDAS@tmr.qld.gov.au), within the Department of Transport and Main Roads, confirming that the development has been designed and constructed in accordance with parts (a) and (b) of this condition.</p> | <p>(c) Prior to the commencement of use</p> |

Our reference: SDA-1015-024906

Your reference: 5555:BC

Attachment 2—Reasons for decision to impose conditions

The reasons for this decision are:

- To ensure the development is carried out generally in accordance with the plans of development submitted with the application.
- To ensure the development carried out generally in accordance the aspects of the planning report submitted with the application.
- To ensure the development is carried out in the location and to the extent specified on the approved plans of development.
- To ensure the development avoids or minimises adverse impacts on coastal resources and their values.
- To ensure that the authorised species are managed for the net benefit of the species in question and to avoid or acceptably minimise biosecurity risks to any rare, threatened or endangered fish.
- To facilitate the monitoring of the development works for compliance purposes.
- To ensure that the aquaculture facility is designed to maintain integrity of the aquaculture product.
- To ensure that the aquaculture facility is designed and constructed to mitigate risks of impact on the natural environment and to allow for the management of disease.
- To ensure that the aquaculture facility is designed and constructed to mitigate risks of impact on the natural environment and to allow for the management of disease and to ensure that land based aquaculture facilities that hold fish capable of overland escape are designed to prevent such escape.
- To ensure the aquaculture facility is designed, constructed and maintained to avoid leakage, to ensure immunity from flooding and minimise biosecurity and disease risks.
- To ensure that the authorised species are managed for the net benefit of the species in question and to avoid or acceptably minimise biosecurity risks to any rare, threatened or endangered fish.
- To ensure the road access location to the state-controlled road from the site does not compromise the safety and efficiency of the state-controlled road.
- To ensure the design of any road access maintains the safety and efficiency of the state-controlled road.
- To ensure that the impacts of stormwater events associated with development are minimised and managed to avoid creating adverse impacts on the state transport corridor.
- To ensure the development achieves the outcomes in 3.1 Aquaculture state code, 10.1 Tidal works, or development in a coastal management district and 19.1 Access to state-controlled roads state code in the State Development Assessment Provisions version 1.6.

Our reference: SDA-1015-024906

Your reference: CA 1044/2015

Attachment 3—Further advice

| General advice | |
|--|---|
| Ref | State Planning Policy July 2014 interim development assessment provisions |
| 1. | Douglas Shire Council, in its role as assessment manager, must assess the development application against the State Planning Policy July 2014, and in particular the interim development assessment provisions (Part E), such Coastal environment, Water quality and Natural hazards, risk and resilience and to the extent it is relevant to the proposed development. |
| Further development permits, compliance permits or compliance certificates | |
| Ref | Road access works approval |
| 2. | <p>Under sections 62 and 33 of the <i>Transport Infrastructure Act 1994</i>, written approval is required from the Department of Transport and Main Roads to carry out road works that are road access works (including driveways) on a state-controlled road.</p> <p>Please contact the Department of Transport and Main Roads on 4045 7144 at the Cairns district office to make an application for road works approval. This approval must be obtained prior to commencing any works on the state-controlled road reserve.</p> <p>The approval process may require the approval of engineering designs of the proposed works, certified by a Registered Professional Engineer of Queensland (RPEQ).</p> <p>The road access works approval process takes time – please contact the Department of Transport and Main Roads as soon as possible to ensure that gaining approval does not delay construction.</p> |
| Applicable self-assessable codes | |
| Ref | Self-assessable code MPO3 On-farm drain maintenance works involving the removal, destruction or damage of marine plant (Department of Agriculture and Fisheries) |
| 3. | Section 6.10 Marine plants are only removed from the bed and one bank from drains that are 2 to 8 metres wide. |
| 4. | Section 6.5 The removal of marine plants is only undertaken where necessary to maintain the function of existing on-farm drains. |
| 5. | Section 6.6 a. Mangroves are pruned or trimmed no more frequently than every 12 months; b. Mangroves are pruned or trimmed by no more than a third of their height. |

Our reference: SDA-1015-024906
Your reference: 5555:BC

Attachment 4—Approved plans and specifications



[illegible]

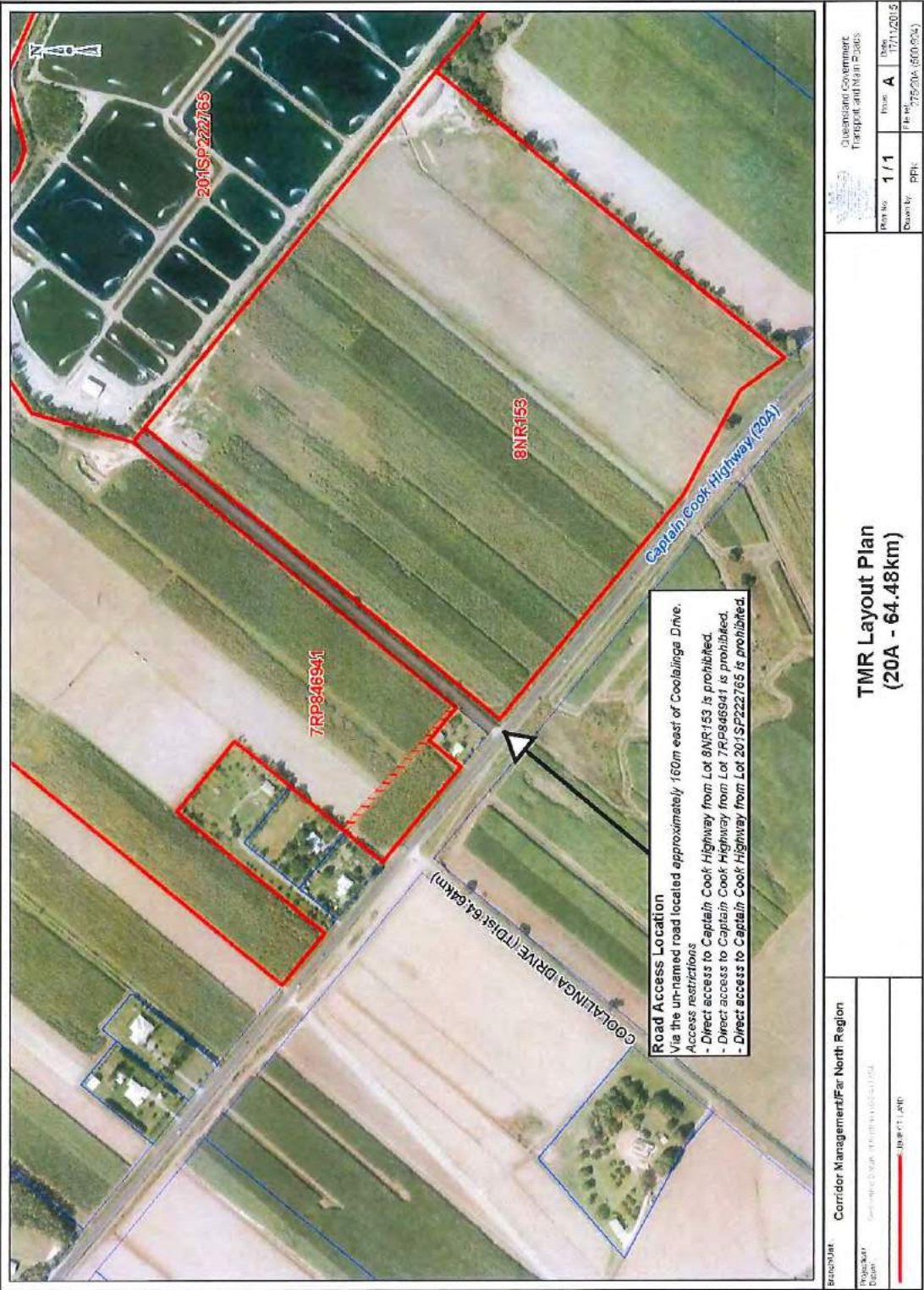
Statement of Landscape Intent

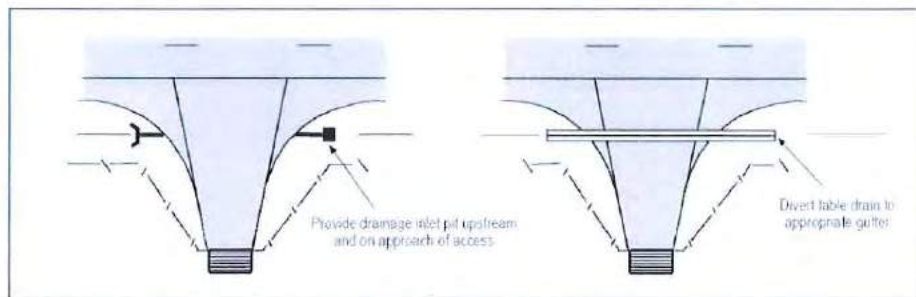
Client - Gold Coast Marine Aquaculture
Address - Captain Cook Highway, Killaloe



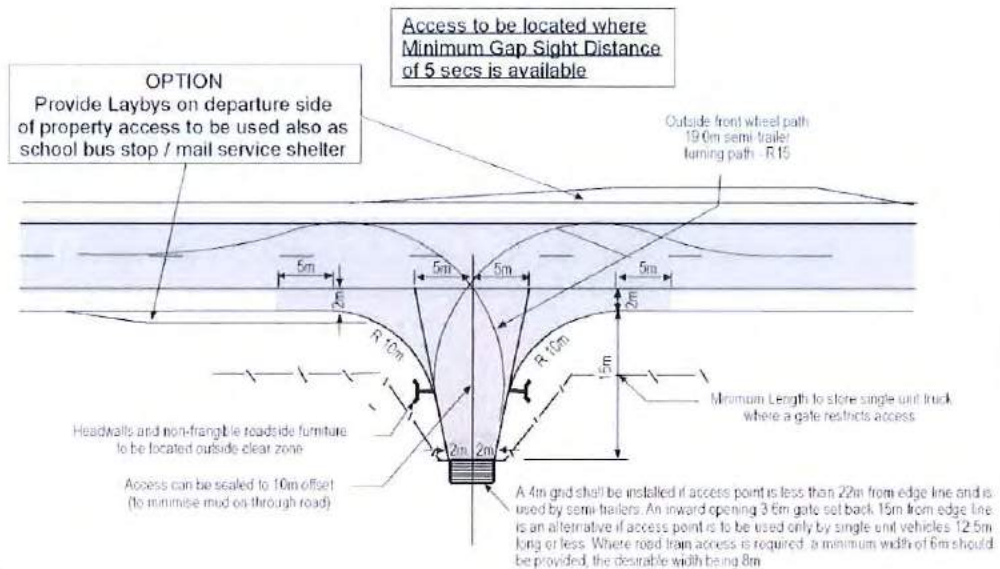








ALTERNATE TREATMENTS FOR TABLE DRAIN CROSSING



INFRASTRUCTURE CHARGES NOTICE

| | | |
|-------------------------------|-------------|--------------------------------|
| Gold Coast Marine Aquaculture | 0 | 0 |
| DEVELOPERS NAME | ESTATE NAME | STAGE |
| Captain Cook Highway | Killaloe | 8NR153, 201SP222765, 7RP846941 |
| STREET No. & NAME | SUBURB | LOT & RP No.s |
| Combined; ROL, MCU, Ops Wrks | 1044/2015 | 25-May-16 |
| DEVELOPMENT TYPE | COUNCIL FIL | PARCEL No. |
| 775426 | 1 | 5000, 151233, 5004 |
| DSC Reference Doc . No. | VERSION No. | VALIDITY PERIOD (years) |
| | | Four (4) |

| | Use | Charge per Use | Amount Due | Amount Paid | Receipt Code & GL Code |
|--|-----|----------------|------------------|-------------|------------------------|
| Rural Areas - Water Only | | | | | |
| proposed | 800 | 42.50 | 34,000.00 | | |
| | 200 | 55.74 | 11,148.00 | | |
| existing | 1 | 11,411.06 | 11,411.06 | | |
| | 0 | 0.00 | 0.00 | | |
| Total | | | 56,559.06 | | |
| Urban Areas - Water only | | | | | |
| proposed | 0 | 0.00 | 0.00 | | |
| | 0 | 0.00 | 0.00 | | |
| existing | 0 | 0.00 | 0.00 | | |
| | 0 | 0.00 | 0.00 | | |
| Total | | | 0.00 | | |
| Urban Areas - Water & Sewer | | | | | |
| proposed | 0 | 0.00 | 0.00 | | |
| | 0 | 0.00 | 0.00 | | |
| existing | 0 | 0.00 | 0.00 | | |
| | 0 | 0.00 | 0.00 | | |
| Total | | | 0.00 | | |
| TOTAL | | | 56,559.06 | | |

| | | | | |
|--------------|----------|-----------|-------------|--|
| Prepared by | D Lamond | 25-May-16 | Amount Paid | |
| Checked by | N Beck | 25-May-16 | Date Paid | |
| Date Payable | | | Receipt No. | |
| Amendments | | Date | Cashier | |
| | | | | |

Note:

The Infrastructure Charges in this Notice are payable in accordance with Part 2 Division 1 of the *Sustainable Planning Act 2009 (SPA)*.

Charges are payable to: Douglas Shire Council. You can make payment at any of Council's Business Offices or by mail with your cheque or money order to Douglas Shire Council, PO Box 723, Mossman QLD 4873. Cheques must be made payable to Douglas Shire Council and marked 'Not Negotiable.' Acceptance of a cheque is subject to collection of the proceeds. Post dated cheques will not be accepted

Any enquiries regarding Infrastructure Charges can be directed to the Development & Environment, Douglas Shire Council on 07 4099 9444 or by email on enquiries@douglas.qld.gov.au