

Notice of Modification

Section 75W of the *Environmental Planning and Assessment Act 1979*

As delegate of the Minister for Planning and Infrastructure under delegation executed on 14 September 2011, we the Planning Assessment Commission of New South Wales (the Commission) approve the modification of the project application referred to in Schedule 1, as set out in Schedules 2 to 4.

Member of the Commission

Member of the Commission

Sydney

2012

SCHEDULE 1

Application Number:	MP 06_0228
Proponent:	Shoalhaven Starches Pty Ltd
Approval authority:	Minister for Planning
Project:	Shoalhaven Starches Expansion Project
Date of original approval:	29 January 2010
Modification:	MP 06_0228 MOD 2 – Operational and Energy Efficiency Improvements

This approval is modified by:

- 1) Replacing the definition of 'Project' in the definitions list as follows:

Project — The development described in the EA, which includes the continued implementation of all existing and approved development on site, as modified by MP 06_0228 MOD 1 and MP 06_0228 MOD 2.

SCHEDULE 2

- 2) Replacing Condition 2 of Schedule 2 with the following:

2. The Proponent shall carry out the project generally in accordance with the:
 - a) EA and associated site plans (see Appendix 2);
 - b) amended modification proposal MP 06_0228 MOD 1 prepared by ME Engineering Pty Ltd and dated 21 December 2010;
 - c) modification proposal MP 06_0228 MOD 2, accompanying Environmental Assessment dated January 2012 and response to submissions report dated 4 May 2012, prepared by Cowman Stoddart Pty Ltd, accompanying plans (see Appendices 2A and 2B) and supplementary odour report dated 30 July 2012, prepared by PAE Holmes Pty Ltd;
 - d) statement of commitments; and
 - e) conditions of this approval.

- 3) Inserting a new Condition 8A after Condition 8 in Schedule 2 with the following:

Structural Adequacy of Early Works (MP 06_0228 MOD 2)

- 8A. Within 2 months of the date of the approval of MP 06_0228 MOD 2, the Proponent shall:
 - a) obtain and provide copies to the Director-General all necessary building certificate(s) from Shoalhaven City Council for any structures proposed as part of MP 06_0228 MOD 2 that have been constructed or partially constructed prior to the approval of MP 06_0228 MOD 2; and

- b) ensure that all new structures, and any alterations or additions to existing structures, are constructed in accordance with the relevant requirements of the Building Code of Australia.

SCHEDULE 3

- 4) Inserting a new Condition 6A after Condition 6 in Schedule 3 with the following:

Odour Verification (MP 06_0228 MOD 2)

- 6A. The Proponent shall ensure that any Independent Odour Audit submitted to the Director-General in accordance with Condition 5 of this Schedule includes:
- a) 3 monthly (quarterly) odour monitoring with samples taken from the carbon dioxide/ethanol recovery scrubber inlet/s and outlet/s; and
 - b) annual odour monitoring with samples taken of single vent stack (direct to atmosphere) emissions from a filling fermenter tank at 10% intervals (up to 50%).

- 5) Inserting the following note under Condition 19 in Schedule 3 as follows:

Note: the provisions of this plan shall be implemented for all construction works associated with the project and/or modification approved thereafter.

- 6) Inserting a new Condition 37A after Condition 37 in Schedule 3 as follows:

Pre-construction Studies for MP 06_0228 MOD 2

- 37A. The Proponent shall prepare and implement a Construction Safety Study in accordance with the Department's *Hazardous Industry Planning Advisory Paper No.7 - Construction Safety Guidelines*, for MP 06_0228 MOD 2 to the satisfaction of the Director-General. The Proponent shall not commence any construction on site associated with MP 06_0228 MOD 2 until written approval of the Construction Safety Study has received from the Director-General.

Note: preliminary construction works outside the scope of the hazard studies may be undertaken prior to the approval of the Construction Safety Study referred to above.

- 7) Replacing the following subsections a) and e) of Condition 38 in Schedule 3 with the following:

- a) an updated Fire Safety Study for the project as modified by MP 06_0228 MOD 2 prepared in accordance with the Department's *Hazardous Industry Planning Advisory Paper No.2 - Fire Safety Study Guidelines* and the New South Wales Government's *Best Practice Guidelines for Contaminated Water Retention and Treatment Systems*. The Fire Safety Study shall also be prepared and implemented to the satisfaction of the NSW Fire Brigade;
- e) an updated Emergency Plan for the project as modified by MP 06_0228 MOD 2 prepared in accordance with the Department's *Hazardous Industry Planning Advisory Paper No. 1 - Industry Emergency Planning Guidelines*; and

- 8) Inserting new Conditions 39A and 39B after Condition 39 in Schedule 3 as follows:

Pre-Commissioning Hazard Studies for MP 06_0228 MOD 2

- 39A. The Proponent shall prepare and implement the following to the satisfaction of the Director-General:
- a) a Hazard and Operability Study for MP 06_0228 MOD 2 prepared in accordance with the Department's *Hazardous Industry Planning Advisory Paper No.8 - HAZOP Guidelines*, chaired by an independent qualified person approved by the Director-General, includes a program for the implementation of all recommendations made during the study; and if the Proponent intends to defer the implementation certain recommendations, then provide justification for the proposed deferral; and
 - b) a Final Hazards Analysis (FHA) for MP 06_0228 MOD 2 prepared in accordance with the Department's *Hazardous Industry Planning Advisory Paper No. 6 - Guidelines for Hazard Analysis*.

Hazard Audit

- 39B. Twelve months after the commencement of operations of MP 06_0228 MOD 2 and every three years thereafter, or at such intervals as the Director General may agree, the Applicant shall carry out a comprehensive Hazard Audit of the project as modified by MP 06_0228 MOD 2 and the site and within one month of each audit submit a report to the Director General. The initial Hazard Audit should report on the effectiveness of the upgraded deluge system and the effectiveness of the location of the hydrocarbon detectors.

The audits shall be carried out at the Applicant's expense by a qualified person or team, independent of the project, prior to commencement of each audit and shall be consistent with the

- 9) Inserting a new Condition 44 after Condition 43 in Schedule 3 as follows:

44. The Proponent shall, to the satisfaction of the Director-General, ensure that:
- a) all landscaping works proposed in the Landscape Plan/s in Appendix 2B of this approval are completed within 6 months of the date of approval of MP 06_0228 MOD 2 in consultation with Council;
 - b) the Landscape Plan/s in Appendix 2B of this approval are incorporated into the approved Landscaping and Vegetation Management Plan for the project; and
 - c) suitable measures are in place and detailed in the Landscaping and Vegetation Management Plan to ensure vegetation at the site is maintained for the life of the project.

SCHEDULE 4

- 10) Replacing the note under Condition 4 in Schedule 4 with the following:

Note: Wherever possible, the timing of the Independent Environmental Audit, Independent Odour Audit and Hazard Audit should be co-ordinated to avoid duplication, and the experts conducting the Independent Odour Audit and Hazard Audit should be included in the broader audit team. In the initial years, the Independent Environmental Audit team should include experts in Odour, Noise, and Wastewater Irrigation.

- 11) Inserting a new Condition 5A after Condition 5 in Schedule 4 as follows:

Revisions of Management Plans/Monitoring Programs

- 5A. Within 3 months of:
- a) a modification to this approval; and/or
 - b) any audit required under this approval,

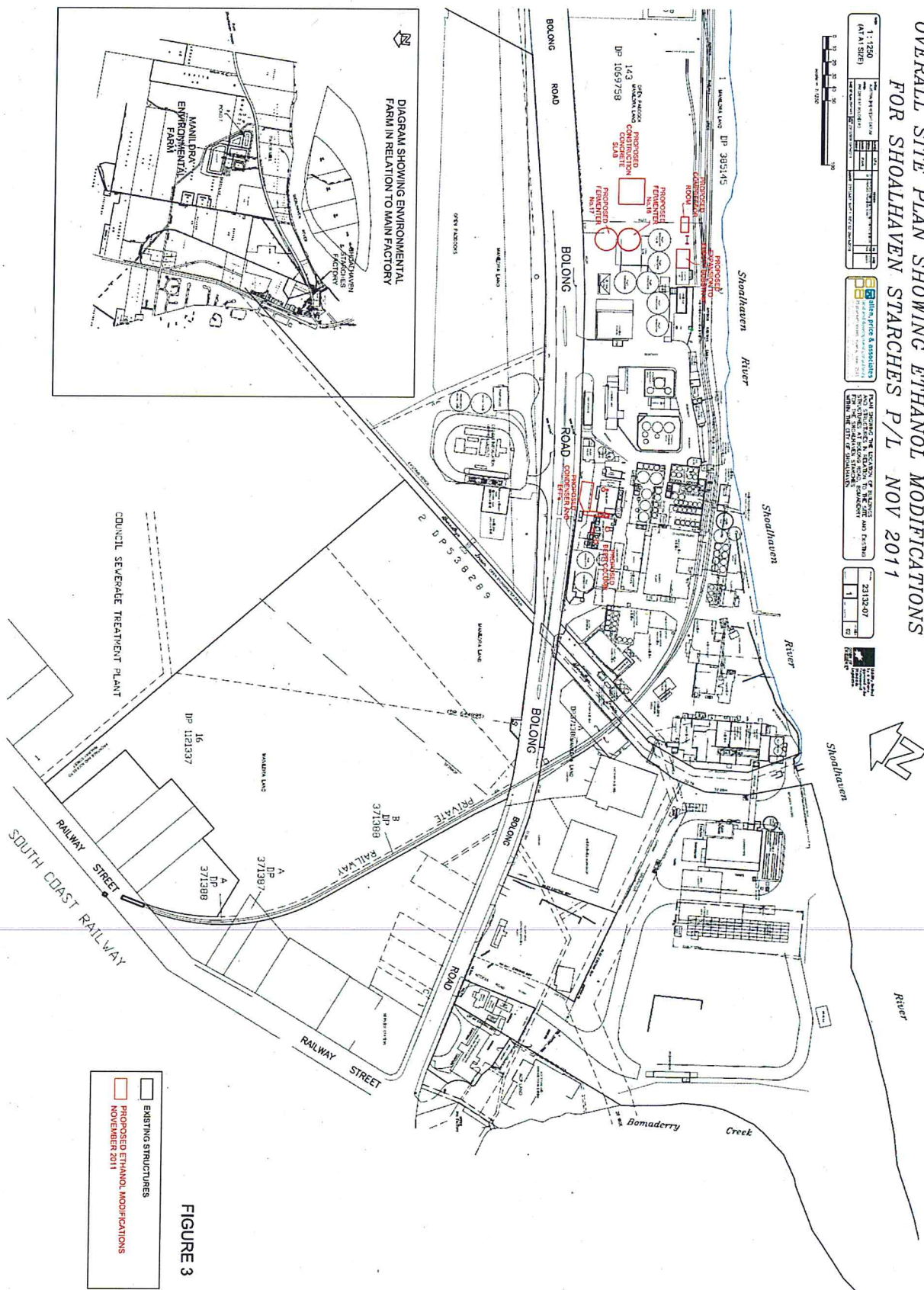
the Proponent must review, and if necessary revise, the strategies, plans, and programs required under this approval to the satisfaction of the Director-General.

Note: this is to ensure the strategies, plans and programs are updated on a regular basis, and incorporate any recommended measures to improve the environmental performance of the project.

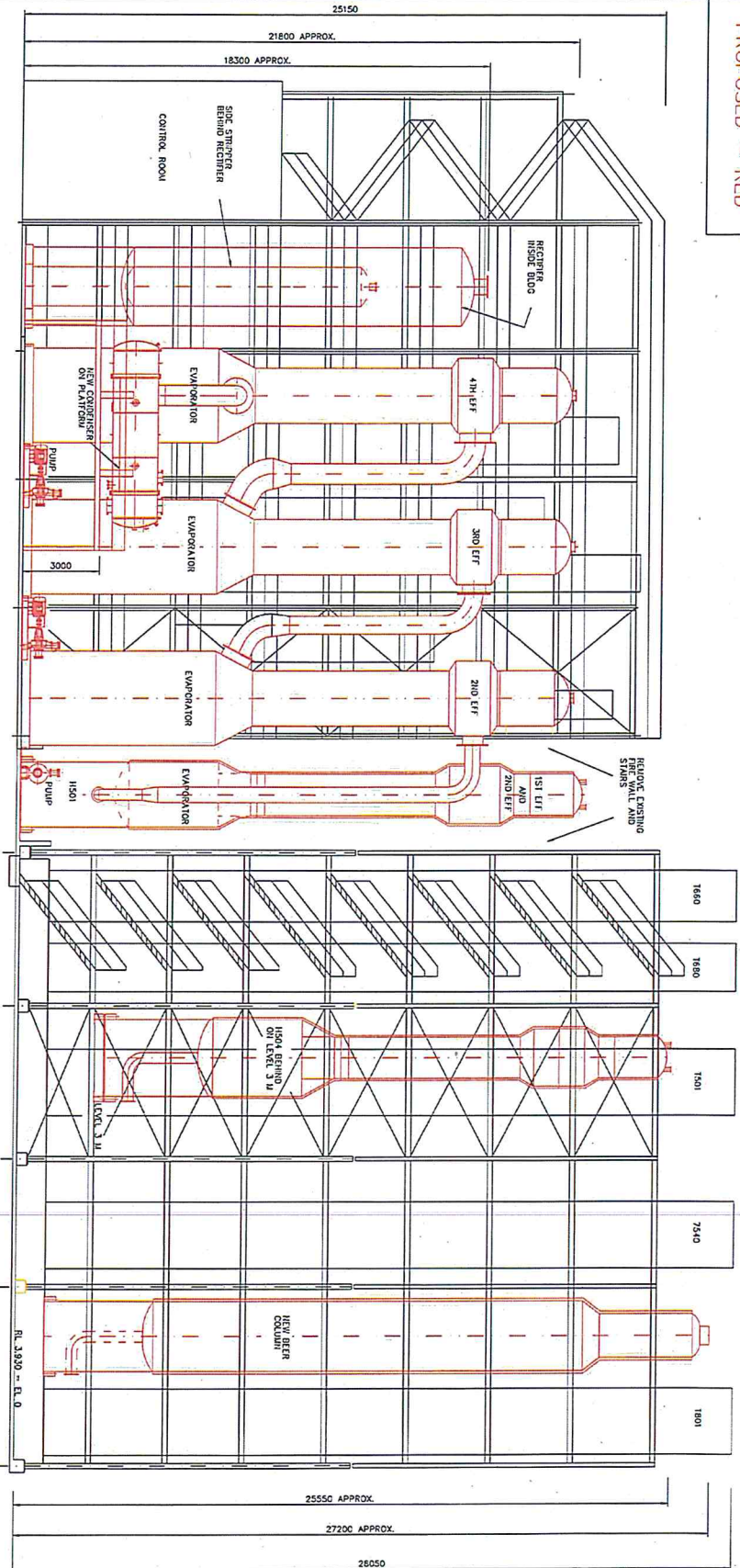
- 12) Inserting new Appendices 2A and 2B as follows:

APPENDIX 2A
SITE PLANS (MP 06_0228 MOD 2)

OVERALL SITE PLAN SHOWING ETHANOL MODIFICATIONS
FOR SHOALHAVEN STARCHES P/L NOV 2011



EXISTING — BLACK.
PROPOSED — RED



ELEVATION LOOKING SOUTH

FIGURE 5

REF 0102

AO 2212, AO 2214

Revisions added			
D	1510 ADDED	AC	13.11
B	RECEIVER AND STRIPPER ADDED	AC	8.11
A	FOR INFORMATION	AC	7.11
REV	FOR INFORMATION	AC	7.11
REV	FOR INFORMATION	AC	7.11
REV	FOR INFORMATION	AC	7.11

MANIDRA GROUP
ELEVATION LOOKING SOUTH

DISTILLERY MODIFICATIONS
PROPOSED EQUIPMENT SHOWN IN RED.
SHOALHAVEN STARCHES PTY. LTD.

Revisions added			
D	1510 ADDED	AC	13.11
B	RECEIVER AND STRIPPER ADDED	AC	8.11
A	FOR INFORMATION	AC	7.11
REV	FOR INFORMATION	AC	7.11
REV	FOR INFORMATION	AC	7.11
REV	FOR INFORMATION	AC	7.11

EXISTING - BLACK.
PROPOSED - RED

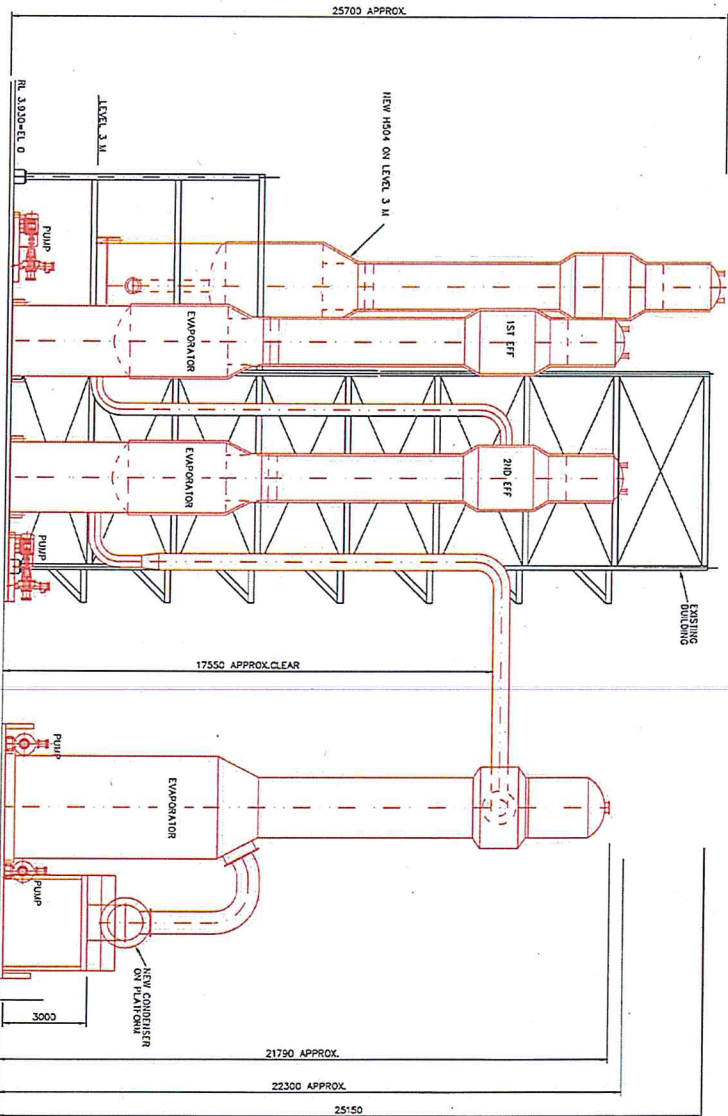
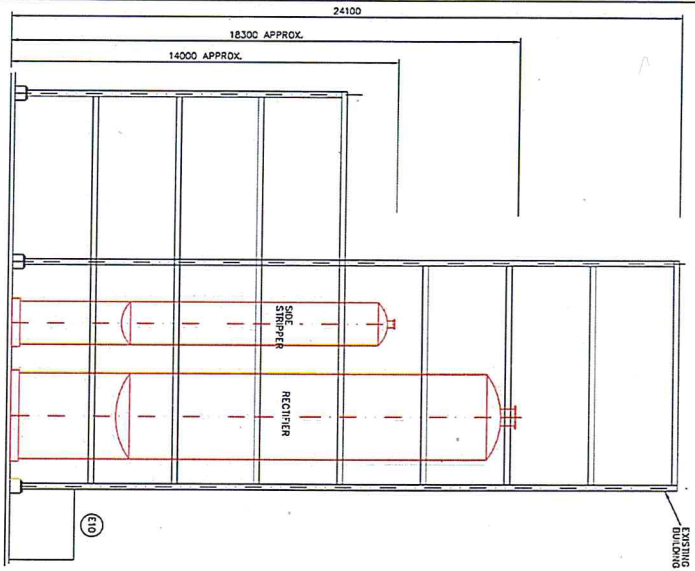


FIGURE 6

REF: DUC

AO 2212, AO 2213

Distillations added

Rectifier and Strips added

FOR REORGANIZATION

REV 0000000000

REV 0000000000

REV 0000000000

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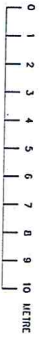
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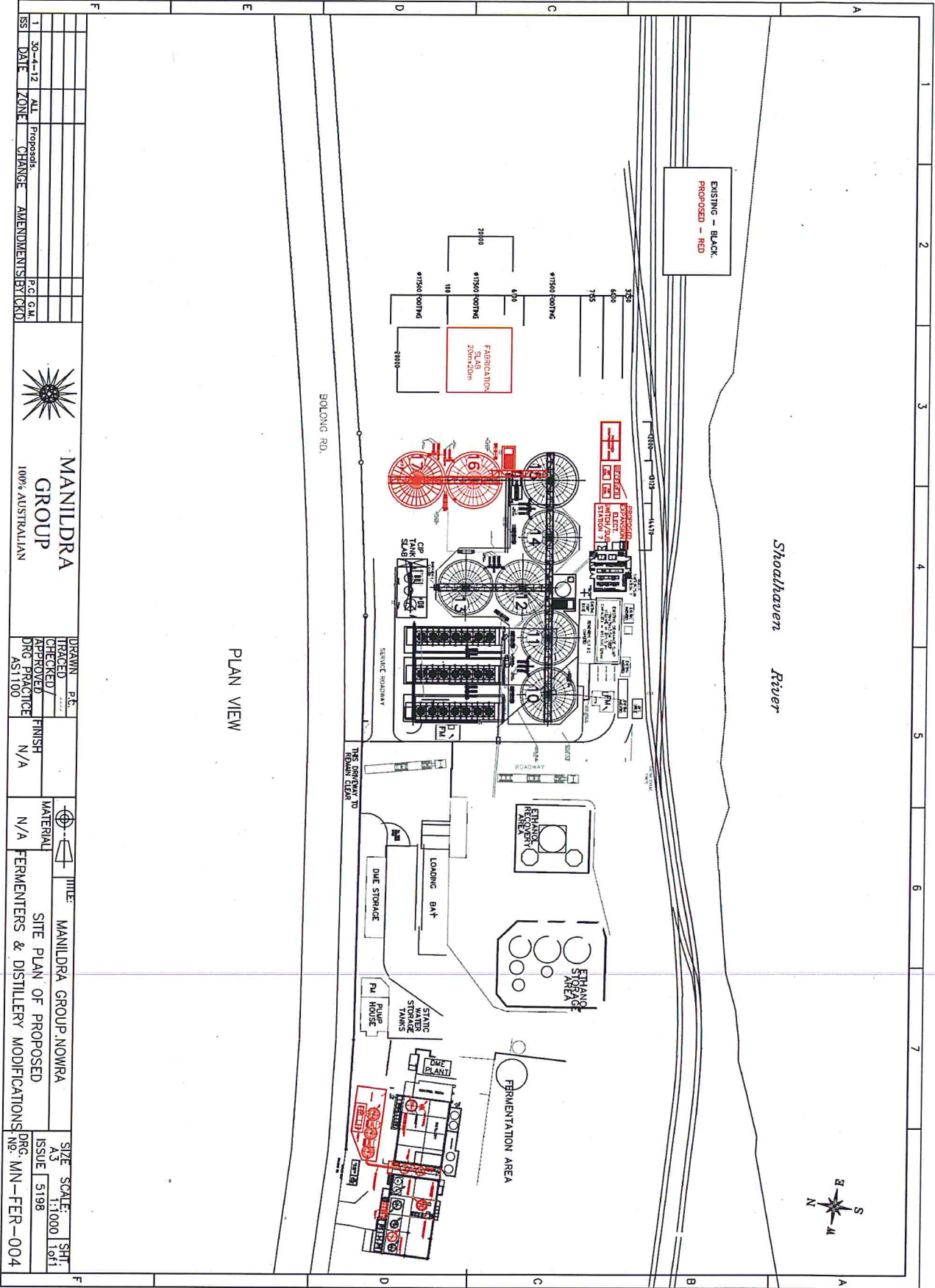
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REV 0000000000

DISTILLERY MODIFICATIONS
PROPOSED EQUIPMENT SHOWN IN RED.
SHOALHAVEN STARCHES PTY. LTD.





PLAN VIEW

1	30-4-12	ALL	Proposed	P.C. G.M.
ISS	DATE	ZONE	CHANGE	AMENDMENTS/RECKO

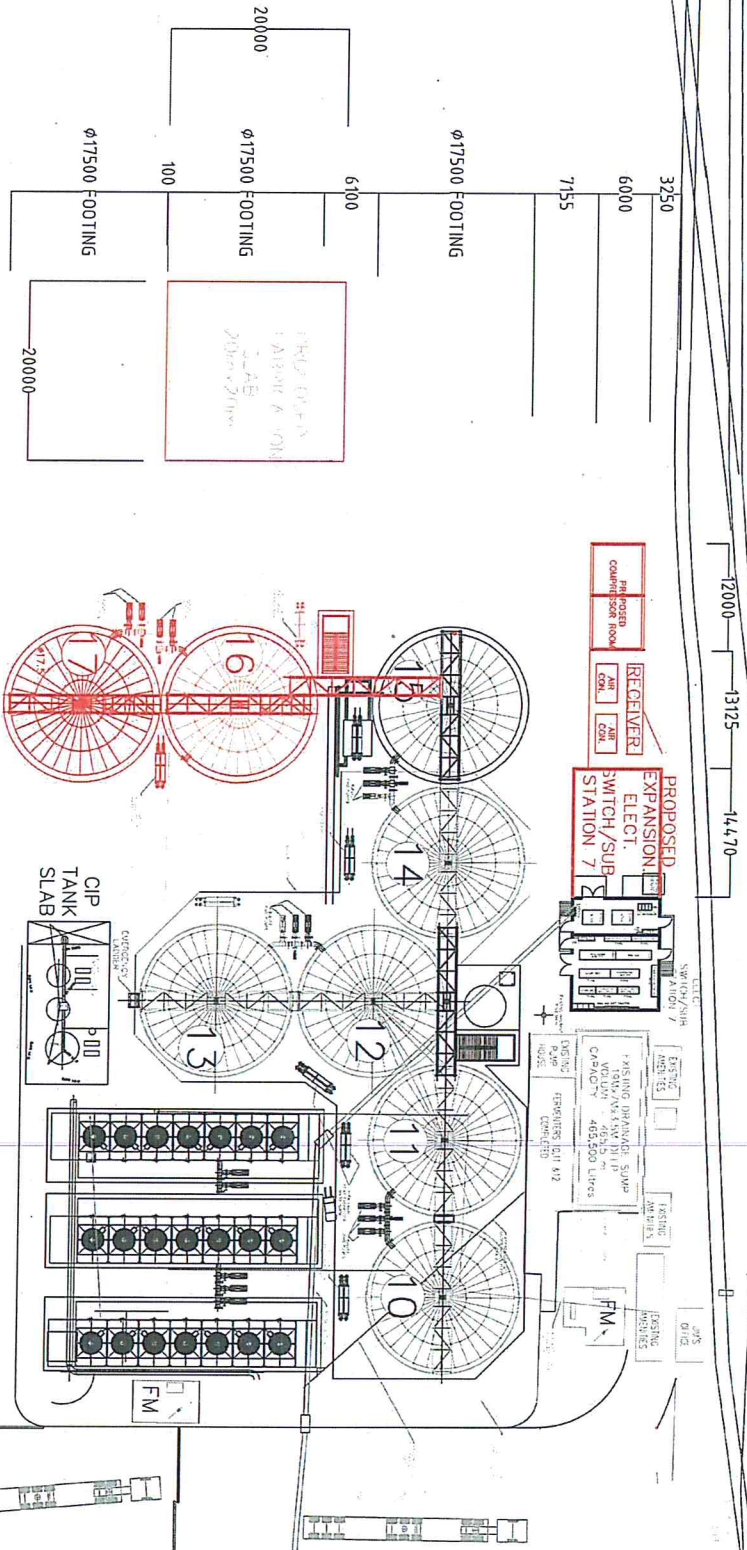


MANILDRA GROUP
100% AUSTRALIAN

DRAWN	P.C.	TRACED	FINISH	MATERIAL	TITLE	MANILDRA GROUP, NOWRA	SIZE	SCALE	SH:
CHECKED	FINISH	APPROVED	N/A	N/A	SITE PLAN OF PROPOSED		1:1000	1:1071	
DRG PRACTICE	AST100				FERMENTERS & DISTILLERY MODIFICATIONS		ISSUE	5198	
							DRG. MN-FER-004		

EXISTING — BLACK.
PROPOSED — RED

Shoalhaven River



FERMENTER MODIFICATIONS
PROPOSED EQUIPMENT SHOWN IN RED.
SHOALHAVEN STARCHES PTY. LTD.

ISS	DATE	ZONE	CHANGE	AMENDMENTS BY CKD	MANILDRAGROUP 100% AUSTRALIAN	MANILDRAGROUP NOWRA FERMENTER AREA LAYOUT. PROPOSED FERMENTERS #16 & #17 & ASSOCIATED EQUIPMENT.	SIZE A3 ISSUE 5198	SCALE 1:500	SHT. 16/17
C	21-12-11	ALL	Dimensions added.	P.C. G.M.					
B	29-11-11	D3	Construction area added.	P.C. G.M.					
A	17-11-11	C4	Fermenter centres were 23.5m	P.C. G.M.					
1	16-11-11	ALL	For quantity tender.	P.C. G.M.					

EXISTING — BLACK.
PROPOSED — RED



<p> ITEM: MANILDRA GROUP, NOWRA FERMENTER AREA, ELEVATIONS, PROPOSED FERMENTERS #16 & #17, & ASSOCIATED EQUIPMENT. </p>

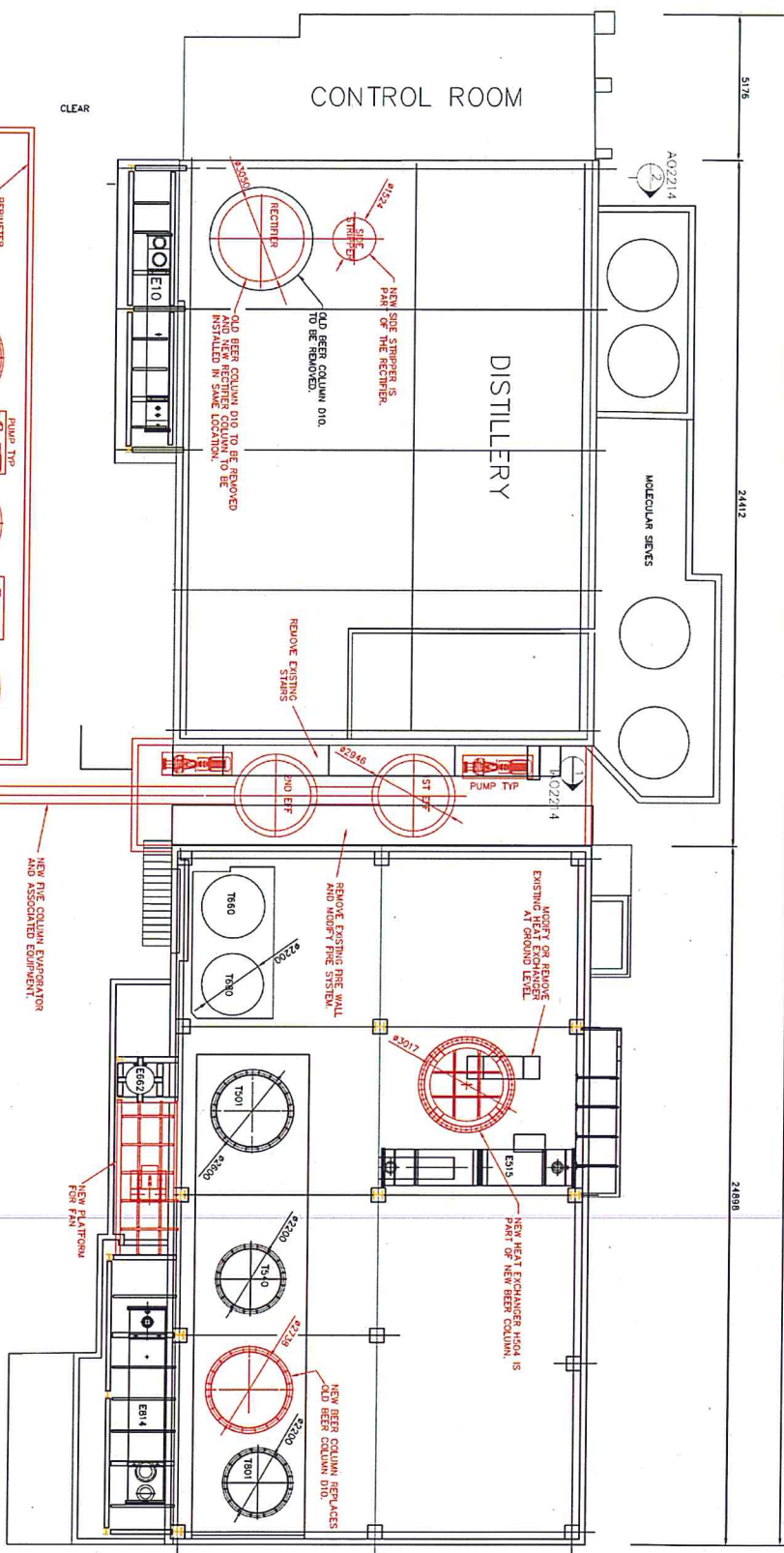


5176

24412

54486

24689



A

A

B

C

MODIFY MATIX PLANTING BY MOVING
GROUNDCOVERS UNDER TREES

0 1 2 3 4 5 6 7 8 9 10 METRE

BOLONG RD
DISTILLERY MODIFICATIONS
PROPOSED EQUIPMENT SHOWN IN RED.
SHOALHAVEN STARCHES PTY. LTD.

BOUNDARY FENCE

PLANT LIST ON L01

MODIFY MATIX PLANTING BY MOVING
GROUNDCOVERS AWAY FROM BAYS

PPLA			
PROJECT: PROPOSED MODIFICATIONS TO DISTILLERY			
FAC: WANDLON FACTORY			
WANDLON GROUP/NOVA			
LANDSCAPE PLAN			
SCALE: 1:1000 AS			
DATE: April 2012			
DRAWN: Peter Phillips		REV: A	

Shoalhaven River

FABRICATION
SLAB
20m x 20m

Landscape contractor must show extreme care in protecting services and works by other contractors. This will include all points and structures.

MOUNDING OF GARDEN BEDS

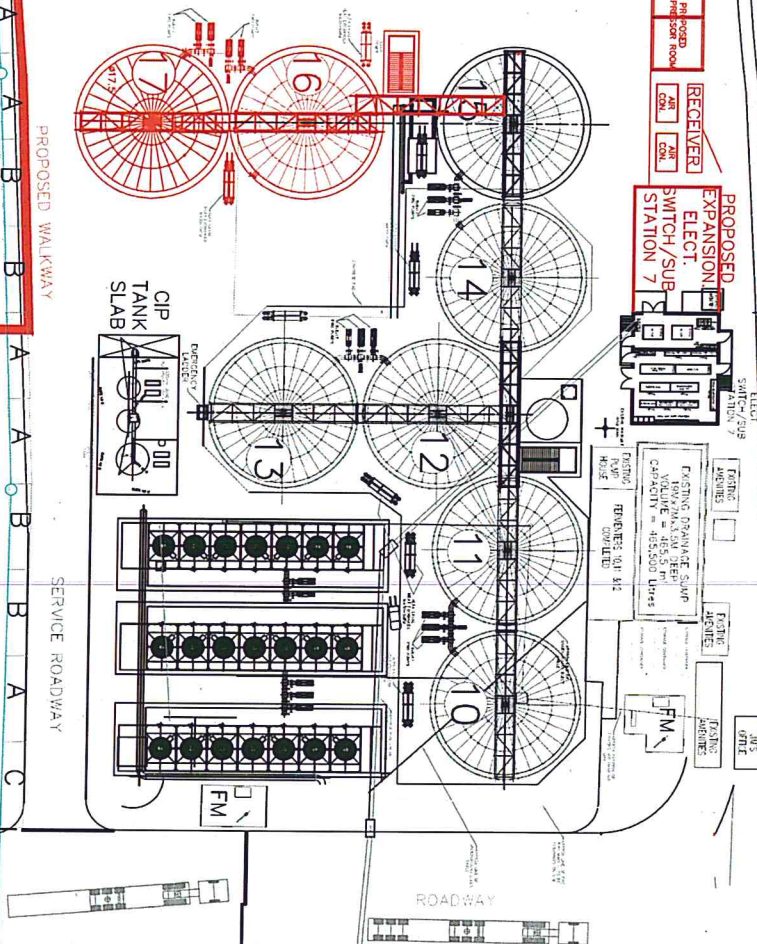
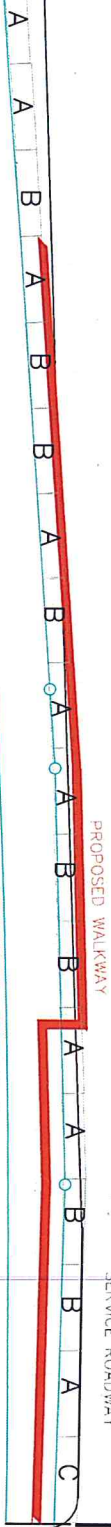
Landscape contractor is to allow to build extra soil to provide mounding to the planting bed to a minimum height of 400mm. This will provide a medium for good growth.

CULTIVATION OF EXISTING GROUND

Existing ground is to be ripped and cultivated to a depth of 200mm minimum with gypsum to be incorporated, 100mm for topsoil.

GARDEN EDGING

Timber edging shall be installed along the boundary fence to deter grass invading the planting beds.



BOLONG RD.
PROPOSED EQUIPMENT SHOWN IN RED.
SHOALHAVEN STARCHES PTY. LTD.



**MANILDRA
GROUP**
100% AUSTRALIAN

DRAWN / TRACED / CHECKED / APPROVED / DRG. PRACTICE ASI 100	TITLE: MANILDRA GROUP. NOWRA FERMENTER AREA. LAYOUT. PROPOSED FERMENTERS # 16 & ASSOCIATED EQUIPMENT.
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PPLA
1485007450256 BOUNDARY 2241 FAX: 6042421315 MOB: 6101000207
PROJECT: PROPOSED NOTIFICATION TO FENCEMETERS
MUNIDATA FACTORY
MUNIDATA GROUP NOVINA

Peter Phillips
Landscape Architecture

LANDSCAPE PLAN

SCALE: 1:500 A3

DATE: April 2012

DWG. LOT DWG. LOT
DRAWN: Peter Phillips REV: A