

## **APPENDIX D**

*Consultation Correspondence with Randwick City Council*

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ABN: 77 362 844 121



Your Ref: 034-w11-032

13 December 2006

INCORPORATED

AS A MUNICIPALITY

22 FEBRUARY 1859

PROCLAIMED AS

A CITY 1ST JULY 1990

www.randwick.nsw.gov.au

Ms Catherine Blaine  
James Rose Consulting  
Unit F21, 1-15 Barr Street  
BALMAIN NSW 2041

Dear Madam,

**RE: Draft Environmental Assessment Report for the proposed installation of in-ground stormwater treatment unit at P&O Shipping Terminal at 42 Friendship Road, Port Botany**

I refer to the above-mentioned matter as raised in your e-mail to Ms Emma FitzRoy dated 11 December 2006 and the accompanying draft Environmental Assessment Report for the above-mentioned project pursuant to State Environmental Planning Policy (Major Projects) 2005.

Council would require that the following issues be addressed in any assessment of the project:

- **Statutory Requirements**

- **Clause 16 Zone No 4B (Port Botany Zone)**

The land is zoned 4B – Port Botany. This clause, amongst other things, lists the landuses that are permissible in the zone. Appropriate assessment of the proposed development, its permissibility and consistency with the objectives of the zone should be undertaken.

- **Clause 36 (4) Additional development in industrial zones**

Clause 36(4) states that Council may grant consent to development of land in Zone 4B only where it has considered the port Botany Landuse Safety Study 1996 prepared by the Department of Urban Affairs and Planning. Statements clearly addressing this matter should be included in the Environmental Assessment Report for this project.

- **Clause 37 Development in the Port Botany industrial area**

Clause 37 states that Council may grant consent to land in Zone 4B only if it is satisfied that the proposed development is for port-related activity or activities and will not adversely affect the continued operation of the port. Statements clearly addressing this matter should be included in the Environmental Assessment Report for this project.

- **Clause 42B Contaminated Land**

Clause 42B requires that contaminated land be remediated and be suitable for its intended use. Accordingly, contaminated land should be remediated in accordance with SEPP No. 55 and the Contaminated Land Management Act.

- **Ecological issues arising from impacts on Botany Bay**

The proposal should address any potential ecological impacts, including, but not limited to, the following:

- Loss of biodiversity in the Botany Bay
- Disturbance of acid sulphate soil particularly related to any earthworks
- Impacts on water quality
- Impact on the groundwater levels and quality including the Botany Aquifer
- Impact on wetland areas

Statements clearly addressing these issues should be included in the Environmental Assessment Report for this project.

- **Potential noise, odour and pollution impacts**

As the proposal may potentially be a Department of Environment and Conservation (DEC) Scheduled Premises, DEC should appropriately condition any approval to ensure that protection of the environment, and the amenity of the nearby industrial and residential land, is maintained in regards to air emissions, water treatment and disposal and acoustic amenity. In this regard, the proposal must obtain general terms of approval from DEC as part of the Integrated Development provisions for State Significant Development (Section 92) of the EP&A Act.

It should be noted that Council regularly receives complaints from residential neighbours pertaining to increased noise nuisances during the night and evening periods from the Sydney Ports area creating sleep disturbance. Appropriate acoustical assessment and report should be prepared for the proposed development.

The proposal should ensure that the proposed construction, changes to the facility and the operation of all plant and equipment shall not give rise to an 'offensive noise' as defined in the Protection of the Environment Operations Act 1997 and Regulations. In this regard, the operation of the premises and plant and equipment shall not give rise to a sound pressure level at any affected premises that exceeds the background (LA90), 15 min noise level, measured in the absence of the noise source/s under consideration by more than 5dB(A). The source noise level is assessed as an LAeq, 15 min and adjusted in accordance with the NSW Environmental Protection Authority's Industrial Noise Policy 2000 and Environmental Noise Control Manual (sleep disturbance).

The potential for odour and any other pollution from the future use of the in-ground stormwater treatment unit on the site should be addressed. There are to be no emissions or discharges from the premises which would give rise to a public nuisance or result in an offence under the Protection of the Environment Operations Act 1997 and Regulations.

Any measures necessary to mitigate noise and odour impacts should be included in the proponent's Statement of Commitment that will form part of the Environmental Assessment for this project or alternatively included as a condition in any Instrument of Approval for the project.

- **Acid Sulphate Soil**

The draft EA states that soil tests undertaken directly adjacent to the proposed works area indicates that results were below Action Criteria Values which trigger the need to prepare Acid Sulphate Soils Management Plan. Notwithstanding this, the draft EA proposes a mitigation measure that requires all works to cease and excavation to be inspected by suitably qualified consultants to determine appropriate management procedures prior to recommencement should ASS be encountered during works. This measure has not been nominated in the list of draft Statement of Commitments and should be included.

- **Traffic**

The draft EA mentions in Section 7.1 Page 14 that a mitigation measure to address construction traffic impact will be provided involving appropriate temporary barricades with flashing lights to be installed around the perimeter of the construction works area throughout the entirety of the construction period. This measure has not been included in the draft Construction Environmental Management Plan (CEMP) Appendix E and should be included.

- **Water Quality/Erosion Control**

The mitigation measures for sediment and erosion control during construction works (Section 7.5 Page 18) has not been included in the draft Construction Environmental Management Plan (CEMP) Appendix E and should be included.

- **Excavation**

As the proposal involves excavation of up to 3.5 metres, suitable geotechnical investigation shall be undertaken to determine whether the proposed works will encounter groundwater. Should groundwater be encountered within the depth of the proposed excavation, the applicant shall liaise directly with the Department of Natural Resources regarding their requirements for temporary dewatering.

Should you have any further enquiries on this matter, please contact David Ongkili on 9399 0793.

Yours faithfully,

Sima Truvert  
DIRECTOR – CITY PLANNING

Per: .....  .....

**Catherine Blaine**

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**From:** Catherine Blaine [catherine.blaine@jamesrose.com.au]  
**Sent:** Wednesday, 6 December 2006 10:33 AM  
**To:** 'emma.fitzroy@randwick.nsw.gov.au'  
**Subject:** P&O Stormwater Treatment Unit Project

Hi Emma,

As discussed, please find attached a draft of our Environmental Assessment (EA) for the proposed installation of an in-ground stormwater treatment unit at the P&O Port Botany Shipping Terminal, 42 Friendship Rd Matraville.

The proposal will be the subject of a Part 3A Major Projects Application to the Department of Planning (DoP). We have submitted a Preliminary Project Description to the DoP and received Director-General's comments, which require an appropriate level of consultation with Council during preparation of the EA. We are hence seeking initial comment from Council regarding any issues to be addressed in the EA (particularly any that are not yet featured in the attached draft EA). Appendix B of the EA contains a copy of the Director-General's requirements, for your reference.

Please note that Sect 6.3 of the EA has been left intentionally blank in parts to accommodate Council's comments from this process, which I will include once received.

As discussed, we are only after initial comments for items to be included in the EA, rather than a full assessment of the proposal, as we expect that the application will be referred to Randwick Council by the DoP during the formal assessment process. If possible, we are hoping to submit our application to the DoP within the next two weeks, so a prompt response from council would be greatly appreciated.

Many thanks for your help.

Kind Regards,

Catherine Blaine  
Director

**James Rose Consulting**  
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e-mail: [catherine.blaine@jamesrose.com.au](mailto:catherine.blaine@jamesrose.com.au)

## **APPENDIX E**

### *Draft Construction Environmental Management Plan*

21 December 2006

Ref. 034-W1.1-033



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## **Construction Environmental Management Plan**

Installation of In-ground Stormwater Treatment Unit

at P&O Port Botany Terminal, 42 Friendship Road, Matraville

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### **1.0 Introduction**

This Construction Environmental Management Plan (CEMP) has been prepared by James Rose Consulting (JRC) to satisfy the Environmental Assessment and Consent Conditions of the Instrument of Approval for Major Projects Application No. 06\_0317, an in-ground stormwater treatment unit at the P&O Port Botany Shipping Terminal, 42 Friendship Road, Matraville.

This CEMP has been prepared in accordance with the *Guideline for the Preparation of Environmental Management Plans (Dept of Infrastructure Planning and Natural Resources, 2004)*.

### **2.0 Description of Works**

The proposal involves the installation of a "SPEL Stormceptor" treatment unit for the removal of contaminants from stormwater runoff over a 10,000m<sup>2</sup> area of the terminal identified to pose potential risk in terms of surface contamination.

Construction works will involve excavation of a section of pavement approximately 12m x 5m x 3.5m deep to allow installation of the unit. The walls of the excavation are to be adequately shored and the excavation de-watered to create safe working conditions during installation. The treatment unit will be placed inside the excavated area and secured by holding straps and concrete surround, to ensure in-situ stability. The excavation will be backfilled with crushed rock to allow drainage of groundwater, and the structural pavement above reinstated.

Construction works are expected to be conducted over a period of approximately 4 weeks.

### **3.0 Environmental Issues and Controls**

Potential environmental issues associated with the works were identified in the Environmental Assessment (EA) prepared by JRC as part of the Major Projects Application for the works (Document Ref: 034-w11-032).

The potential issues identified along with proposed control measures, responsibilities, timing and relevant references to the EA and Instrument of Consent, are summarised in the following table. The table is also a checklist for the completion of environmental protection monitoring onsite during construction and should be completed by the Contractor on a daily basis. Copies of the completed forms and any documentation required in the checklist shall be kept onsite at all times throughout the period of construction.

The attached Sediment and Erosion Control Plan (JRC Drawing No. 034-L1-06) depicts the proposed works area and shows details of proposed sediment protection barriers and devices to be installed and maintained throughout the construction process.

DRAFT

Item No.	Item	Responsible Party	Timing / Frequency	Completed (Date & initial)	Reference / Notes
<b>1</b>	<b>Safety</b>				
1.1	All contractors shall be inducted by P&O prior to access on site.	Contractor / P&O	Prior to commencing on site		Environmental Assessment (EA) Sect 7.1
1.2	All construction works shall be in accordance with Occupational Health and Safety Regulations and NSW Workcover requirements.	Contractor	Throughout construction		EA Sect 7.1
1.3	Works areas shall be separated from site operations and traffic thoroughfares by temporary barricades with flashing lights around the perimeter of the works area.	Contractor	Throughout construction		EA Sect 7.1
<b>2</b>	<b>Traffic and Transport</b>				
2.1	All construction traffic shall enter P&O Shipping Terminal via the main security entrance off Friendship Road (Gate B34). Construction vehicles shall not queue or park within the surrounding local road network.	Contractor	Throughout construction		EA Sect 7.1
2.2	All construction vehicles shall park in areas designated by P&O only.	Contractor	Throughout construction		EA Sect 7.1
<b>3</b>	<b>Noise</b>				
3.1	Construction shall be limited to the following hours: Monday – Friday 7:00am to 6:00pm Saturday 8:00am to 1:00pm No work on Sunday & Public Holidays	Contractor	Throughout construction		EA Sect 7.3
3.2	Should work be required outside allowable hours, written permission shall be gained from the Director-General prior to undertaking works.	P&O	Prior to commencing works		
3.3	Any noise complaints are to be promptly investigated and remedied.	Contractor	Throughout construction		EA Sect 7.3

Item No.	Item	Responsible Party	Timing / Frequency	Completed (Date & initial)	Reference / Notes
<b>4</b>	<b>Air</b>				
4.1	Construction equipment to be maintained to avoid pollutive air emissions.	Contractor	Throughout construction		EA Sect 7.4
4.2	All excavated areas should be back-filled and sealed as soon as practicable.	Contractor	Throughout construction		EA Sect 7.4
4.3	All trucks entering and leaving the site are to be appropriately covered to prevent the escape of material.	Contractor	Throughout construction		EA Sect 7.4
4.4	All stockpiles of loose material to be covered or sprayed with water to prevent dust emission.	Contractor	Throughout construction		EA Sect 7.4
<b>5</b>	<b>Water Quality</b>				
5.1	Sediment Controls shall be installed in accordance with Soil & Erosion Management Plan (JRC Drawing No. 034-L5-01). All controls to remain in place & functioning throughout the construction period.	Contractor	Throughout construction		EA Sect 7.5
5.2	All stockpiled materials shall be located away from drains and flow paths and protected by bunding and covered if necessary.	Contractor	Throughout construction		EA Sect 7.5
5.3	All trucks entering and leaving the site are to be appropriately covered to prevent the escape of sediment onto roadways. All stockpiles of loose material should be covered to avoid erosion/dust emissions. All truck tyres are to be brushed down prior to leaving the works area to prevent tracking of excavated soil.	Contractor	Throughout construction		EA Sect 7.5
5.5	Ensure that stormwater leaving the construction site is free of sediment to ensure compliance with section 120 of the <i>Protection of the Environment Operations Act 1997</i> which prohibits the pollution of waters.	Contractor	Throughout construction		EA Sect 7.5
<b>6</b>	<b>Acid Sulfate Soils</b>				
6.1	Acid Sulfate Soils are not expected within the works locality. Should Acid Sulfate Soils be encountered during works, all works will cease and the excavation inspected by suitably qualified consultants to determine appropriate management procedures prior to recommencement of works.	Contractor	Throughout construction		EA Sect 7.7

Item No.	Item	Responsible Party	Timing / Frequency	Completed (Date & initial)	Reference / Notes
<b>7</b>	<b>Waste Management</b>				
7.1	Excavated material and material off-cuts to be reused / recycled where possible. All excess to be disposed offsite in a legal fashion.	Contractor	Throughout construction		EA Sect 7.10
7.2	All material to be disposed in compliance with <i>Waste Avoidance and Resource Recovery Act 2001</i> at a licensed waste facility.	Contractor	Throughout construction		EA Sect 7.10
7.3	All waste trucks leaving site to be inspected to ensure load is covered where necessary to prevent pollution.	Contractor	Throughout construction		EA Sect 710
<b>8</b>	<b>Services</b>				
8.1	All services and public utilities shall be identified prior to commencement of works.	Contractor	Prior to commencing works		
<b>9</b>	<b>Complaints and Incidents</b>				
9.1	A sign shall be clearly displayed near the entrance in a position that is clearly visible to the public, and which clearly indicates the purposes of the sign to the site, clearly stating the following: - <ul style="list-style-type: none"> <li>▪ The name of the primary contractor;</li> <li>▪ a telephone number on which complaints about construction and operational activities at the site may be registered; and</li> <li>▪ a postal address to which written complaints may be sent.</li> </ul>	Contractor	Prior to commencing works		EA Sect 8
9.2	All complaints received must be recorded in the Complaints Register provided with this CEMP. The Complaints Register shall be made available for inspection by the Director-General upon request.	Contractor	Throughout construction		EA Sect 8
9.3	Should an incident occur with actual or potential significant off-site impacts on people or the biophysical environment, the Director-General, DEC and any other relevant authorities (eg local council) must be notified within 12 hours of becoming aware of the incident. The cause or impact of the incident must be addressed as required by the Director-General.	Contractor / P&O	Throughout construction		

**Registered By:**

**CEMP COMPLAINT REGISTER FORM**

Installation of In-ground Stormwater Treatment Unit

**Nature of Complaint:**

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**Action Required (if applicable):**

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Name:

Signature:

Date:

Time:

Registered by: *phone / mail / email*  
(circle one)

**Complainant Details (if provided):**

Name:

Contact No.:

Address:

Follow up date:

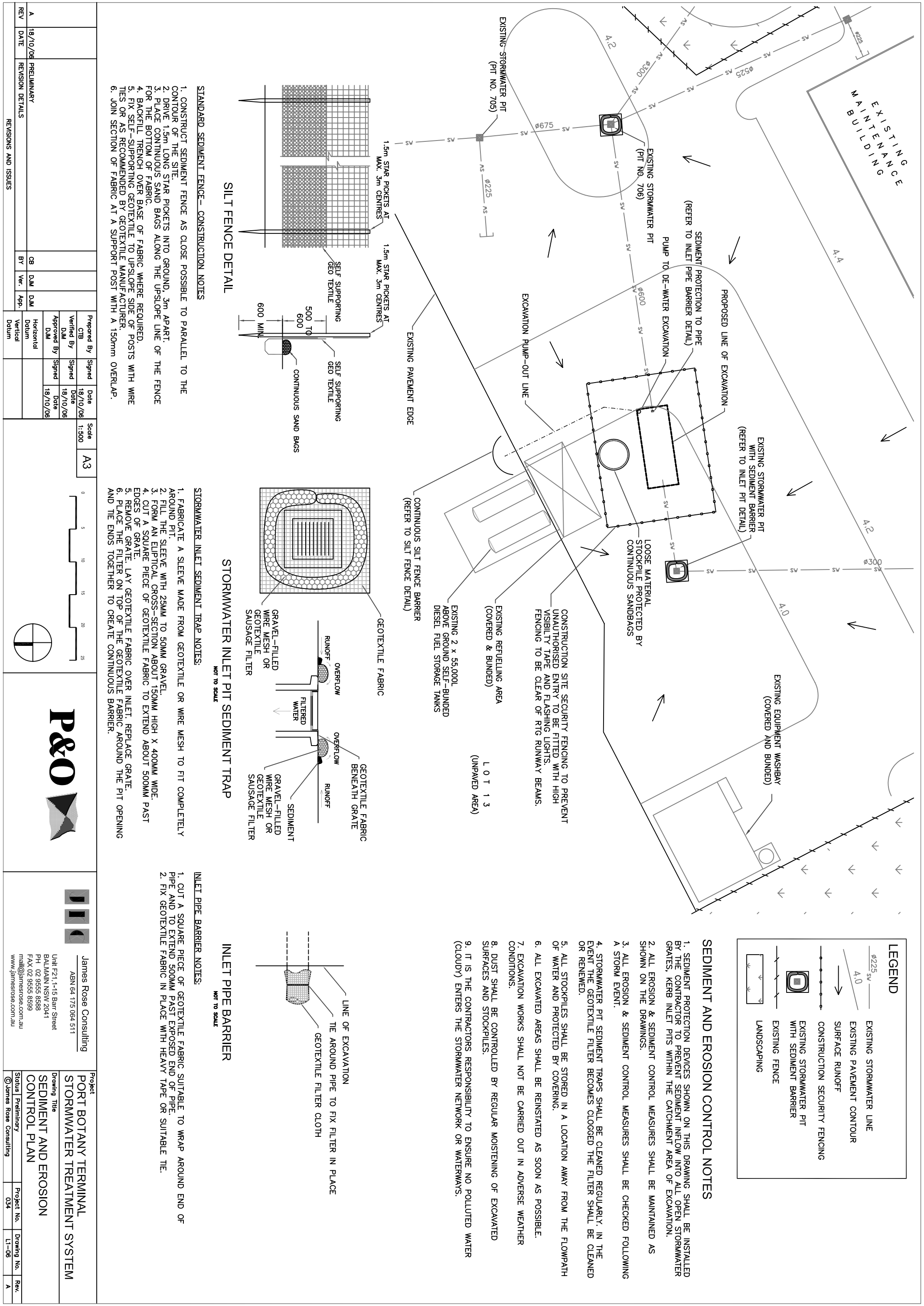
Action Required By: Name:

Date:

Checked By Environmental Officer / Supervisor

Signature:

Date:



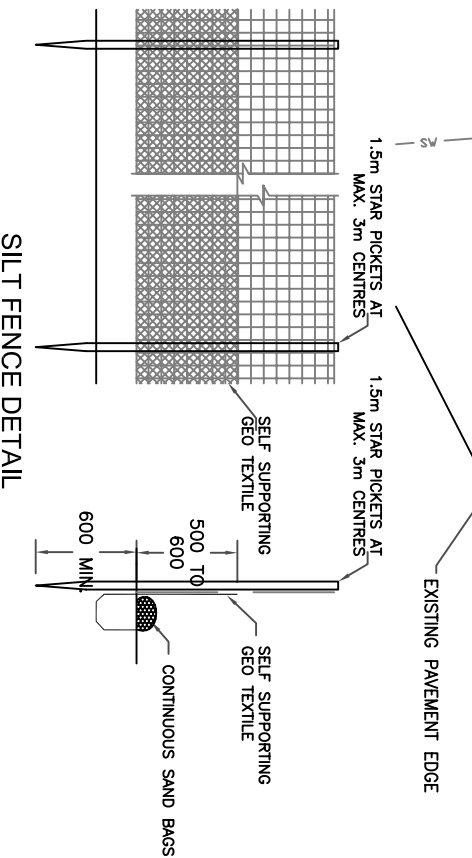
EXISTING MAINTENANCE BUILDING

**LEGEND**

- EXISTING STORMWATER LINE
- EXISTING PAVEMENT CONTOUR
- SURFACE RUNOFF
- CONSTRUCTION SECURITY FENCING
- EXISTING STORMWATER PIT WITH SEDIMENT BARRIER
- EXISTING FENCE
- LANDSCAPING

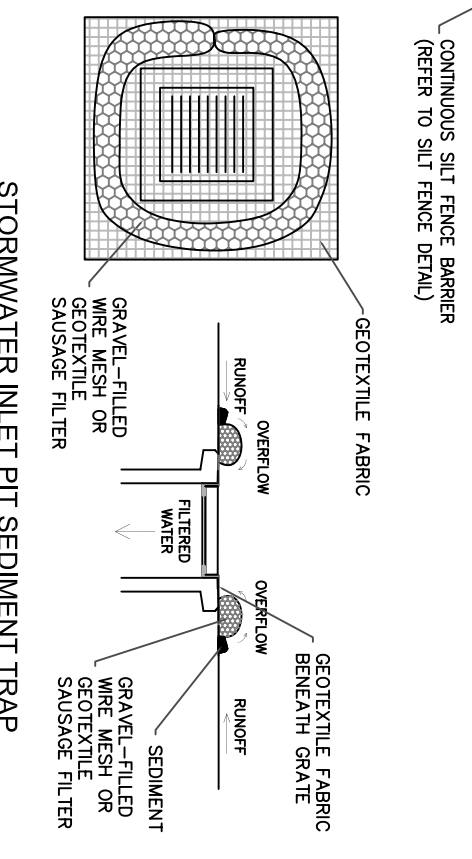
**SEDIMENT AND EROSION CONTROL NOTES**

1. SEDIMENT PROTECTION DEVICES SHOWN ON THIS DRAWING SHALL BE INSTALLED BY THE CONTRACTOR TO PREVENT SEDIMENT INFLOW INTO ALL OPEN STORMWATER GRATES. KERB INLET PITS WITHIN THE CATCHMENT AREA OF EXCAVATION.
2. ALL EROSION & SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AS SHOWN ON THE DRAWINGS.
3. ALL EROSION & SEDIMENT CONTROL MEASURES SHALL BE CHECKED FOLLOWING A STORM EVENT.
4. STORMWATER PIT SEDIMENT TRAPS SHALL BE CLEANED REGULARLY. IN THE EVENT THE GEOTEXTILE FILTER BECOMES CLOGGED THE FILTER SHALL BE CLEANED OR RENEWED.
5. ALL STOCKPILES SHALL BE STORED IN A LOCATION AWAY FROM THE FLOWPATH OF WATER AND PROTECTED BY COVERING.
6. ALL EXCAVATED AREAS SHALL BE REINSTATED AS SOON AS POSSIBLE.
7. EXCAVATION WORKS SHALL NOT BE CARRIED OUT IN ADVERSE WEATHER CONDITIONS.
8. DUST SHALL BE CONTROLLED BY REGULAR MOISTENING OF EXCAVATED SURFACES AND STOCKPILES.
9. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE NO POLLUTED WATER (CLOUDY) ENTERS THE STORMWATER NETWORK OR WATERWAYS.



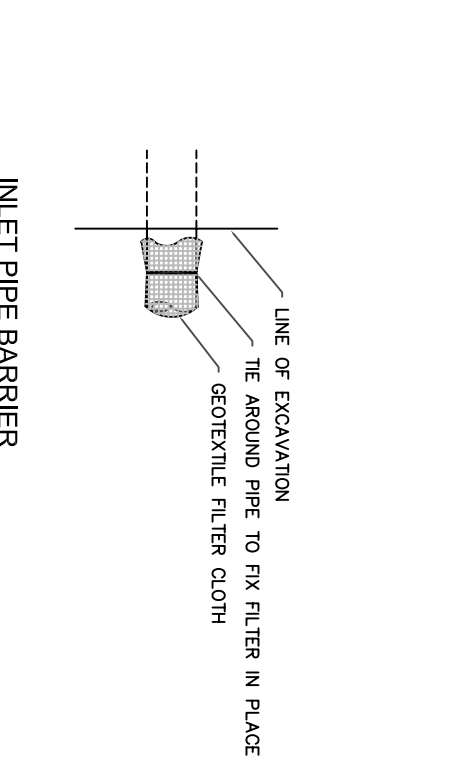
**STANDARD SEDIMENT FENCE - CONSTRUCTION NOTES**

1. CONSTRUCT SEDIMENT FENCE AS CLOSE POSSIBLE TO PARALLEL TO THE CONTOUR OF THE SITE.
2. DRIVE 1.5m LONG STAR PICKETS INTO GROUND, 3m APART.
3. PLACE CONTINUOUS SAND BAGS ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF FABRIC.
4. BACKFILL TRENCH OVER BASE OF FABRIC WHERE REQUIRED.
5. FIX SELF-SUPPORTING GEOTEXTILE TO UPSLOPE SIDE OF POSTS WITH WIRES OR AS RECOMMENDED BY GEOTEXTILE MANUFACTURER.
6. JOIN SECTION OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.



**STORMWATER INLET SEDIMENT TRAP NOTES:**

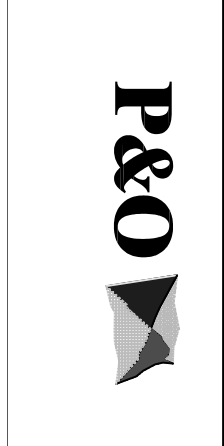
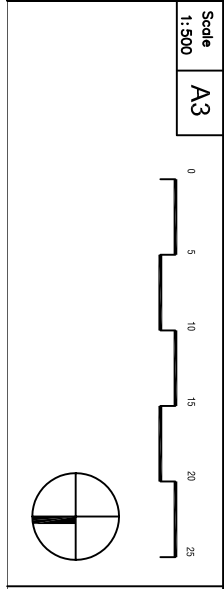
1. FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH TO FIT COMPLETELY AROUND PIT.
2. FILL THE SLEEVE WITH 25MM TO 50MM GRAVEL.
3. FORM AN ELIPTICAL CROSS-SECTION ABOUT 150MM HIGH X 400MM WIDE.
4. CUT A SQUARE PIECE OF GEOTEXTILE FABRIC TO EXTEND ABOUT 500MM PAST EDGES OF GRATE.
5. REMOVE GRATE. LAY GEOTEXTILE FABRIC OVER INLET. REPLACE GRATE.
6. PLACE THE FILTER ON TOP OF THE GEOTEXTILE FABRIC AROUND THE PIT OPENING AND THE ENDS TOGETHER TO CREATE CONTINUOUS BARRIER.



**INLET PIPE BARRIER NOTES:**

1. CUT A SQUARE PIECE OF GEOTEXTILE FABRIC SUITABLE TO WRAP AROUND END OF PIPE AND TO EXTEND 500MM PAST EXPOSED END OF PIPE.
2. FIX GEOTEXTILE FABRIC IN PLACE WITH HEAVY TAPE OR SUITABLE TIE.

REV	DATE	REVISION DETAILS	BY	Ver.	Appr.	Prepared By	Signed	Date	Scale
A	18/10/06	PRELIMINARY	CB	DJM	DJM	CTB	[Signature]	18/10/06	1:500
REVISIONS AND ISSUES						Verified By	Signed	Date	
						DJM	[Signature]	18/10/06	
						Approved By	Signed	Date	
						DJM	[Signature]	18/10/06	
						Horizontal Datum			
						Vertical Datum			



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Project		PORT BOTANY TERMINAL STORMWATER TREATMENT SYSTEM
Drawing Title		SEDIMENT AND EROSION CONTROL PLAN
Status	Preliminary	
Project No.	034	
Drawing No.	L1-06	
Rev.	A	