

# Phase I Preliminary Site Investigation

Honeycomb Drive, Eastern Creek NSW

Prepared for: The Next Generation NSW Pty Ltd  
(TNG NSW)

7438 / PSI 1  
v3. final  
13<sup>th</sup> June 2014



**ADECONSULTINGGROUP**  
SOLUTIONS THROUGH INNOVATION



**ADE**  
CONSULTING  
**GROUP**

**Prepared for:**

The Next Generation NSW Pty Ltd (TNG NSW)

## **Phase I Preliminary Site Investigation**

Honeycomb Drive, Eastern Creek NSW

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Envirotech Australia Pty Ltd.

# TABLE OF CONTENTS

<b>EXECUTIVE SUMMARY .....</b>	<b>5</b>
<b>1 INTRODUCTION.....</b>	<b>7</b>
1.1 General.....	7
1.2 Proposed Development .....	7
1.3 Objectives .....	9
1.4 Scope of Work.....	9
1.5 Legislative Requirements.....	10
1.6 Whole Report.....	10
<b>2 SITE IDENTIFICATION.....</b>	<b>11</b>
2.1 Site Location.....	11
2.2 Site Inspection and Description .....	11
2.3 Surrounding Land-use .....	12
2.4 Summary of Site Details .....	12
<b>3 PHYSICAL SETTING .....</b>	<b>13</b>
3.1 Site Topography and Hydrology.....	13
3.2 Local Geology and Soil .....	13
3.3 Hydrogeology .....	14
3.4 Acid Sulphate Soils .....	15
<b>4 SITE HISTORY.....</b>	<b>15</b>
4.1 Historical Land and Title Search.....	15
4.2 Aerial Photographs Review .....	16
4.3 Contaminated Land Register Search.....	18
4.4 Previous Investigation Reports .....	18
4.5 Section 149 .....	18
4.6 Dial Before You Dig .....	19
4.7 Assessment of Historical Information Integrity .....	19
4.8 WorkCover .....	19
<b>5 POTENTIAL CONTAMINATION TYPES AND RECEPTORS .....</b>	<b>20</b>
5.1 Potential Contamination Types.....	20
5.2 Primary Transport Mechanisms.....	20
5.3 Potential Contamination Receptors.....	21
<b>6 ASSESSMENT CRITERIA.....</b>	<b>21</b>
6.1 Soil.....	21
6.2 Water and Sediment .....	22
<b>7 CONCLUSIONS.....</b>	<b>23</b>
<b>8 RECOMMENDATIONS.....</b>	<b>24</b>
<b>9 LIMITATIONS.....</b>	<b>25</b>
<b>10 REFERENCES .....</b>	<b>26</b>

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<b>APPENDIX I</b>	<b>PHOTOGRAPHS .....</b>	<b>27</b>
<b>APPENDIX II</b>	<b>LTO RECORDS .....</b>	<b>30</b>
<b>APPENDIX III</b>	<b>AERIAL PHOTOGRAPHS .....</b>	<b>31</b>
<b>APPENDIX IV</b>	<b>GROUNDWATER SEARCH – NR ATLAS .....</b>	<b>37</b>
<b>APPENDIX V</b>	<b>SECTION 149.....</b>	<b>38</b>
<b>APPENDIX VI</b>	<b>CONTAMINATED LANDS SEARCH.....</b>	<b>39</b>
<b>APPENDIX VII</b>	<b>DIAL BEFORE YOU DIG .....</b>	<b>40</b>
<b>APPENDIX VIII</b>	<b>WORKCOVER.....</b>	<b>41</b>
<b>APPENDIX IX</b>	<b>ACID SULFATE SOILS MAP.....</b>	<b>42</b>

### LIST OF TABLES

TABLE 1. SITE DETAILS AND INFORMATION.....	13
TABLE 2. LIST OF GROUNDWATER BORES WITHIN 1 KM RADIUS OF SITE. ....	15
TABLE 3. SUMMARY OF LTO RECORDS FOR LOT 2 IN DEPOSITED PLAN (DP) 1145808 .....	15
TABLE 4. SUMMARY OF AERIAL PHOTOGRAPHY. ....	17
TABLE 5. SUMMARY OF UTILITIES LOCATED ON OR ADJACENT TO THE SITE .....	19
TABLE 6. POTENTIAL SOURCES, LOCATIONS AND TYPES OF CONTAMINANTS. ....	20

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## EXECUTIVE SUMMARY

A. D. Envirotech Australia Pty Ltd (ADE) was engaged by Urbis on behalf of The Next Generation NSW Pty Ltd (TNG NSW) to undertake a Phase I Preliminary Site Contamination Investigation (PSI) to assess the potential for contamination on the site located off Honeycomb Dr, Eastern Creek NSW (hereafter referred to as the 'site').

A site inspection was undertaken on the 23<sup>rd</sup> April 2014 and comprised of a visual assessment of the site. Details of the field inspection are given in this report, together with comments on the significance of the findings from the investigation.

ADE has been advised that the proposed development is the construction of an 'Energy from Waste Facility'. The plant will allow for unsalvageable and uneconomic residue waste from the Genesis Material Processing Centre (MPC) and Waste Transfer Station (WTS) to be used for the generation of electrical power.

The subject site comprises Lots 2 and 3 of Deposited Plan (DP) 1145808 in the Local Government Area of Blacktown Council, Parish of Melville, County of Cumberland. The site is approximately 9 hectares (ha) in size.

The objectives of the investigation were to identify past and present potentially contaminating activities; identify potential contamination types; discuss the site condition; provide an assessment of site contamination; conclusions regarding the potential for contamination at the subject area; and assess the need for further investigations.

The site is situated within an area of expanding industrial and commercial developments. Surrounding land use includes a waste recycling facility, asphalt processing plant, grazing land and electrical wire easements. The site is currently in use as grazing land and evidence of regular use by trail bikes throughout the site was observed.

The site is situated within a larger area of currently undeveloped land earmarked to be re-developed under the *Western Sydney Employment Area State Environmental Planning Policy (WSEA SEPP)*. Erskine Park, Minchinbury, Prospect and Horsley Park surround the subject site.

No buildings or structures were observed on the site, however, fencing, a number of groundwater wells and two stockpiles were observed on the site totalling approximately 500 m<sup>3</sup>. Large shale rocks and associated materials which appear to have been excavated and dumped on site were observed along the western border of the site. Imported fill with waste materials such as paper, plastic etc was observed across an area of approximately 500 - 2000 m<sup>2</sup> in the centre of the site.

The site is situated on the side of a valley at an elevation varying between 85 m and 50 m above mean sea level, topography is sloping from north to south down towards the watercourse. The overall gradient of the site slopes north south with some undulations in various directions. The closest permanent water bodies would be the drainage basin situated south-east of the site and a farm dam south-west of the site. A watercourse which is a tributary to Eastern Creek.

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The site is located on a Blacktown Soil Landscape (bt) as indicated on the Penrith Soil Landscape Map, prepared by the Soil Conservation Services of NSW.

A review of the Acid Sulphate Soil Risk Maps showed that the site is within an area of "extremely low probability of occurrence" for acid sulphate soils (refer to *APPENDIX IX – ACID SULFATE SOILS MAP*).

A Targeted Phase II Detailed Site Contamination Investigation around the boundary of the asphalt plant should be undertaken to determine whether contamination is present within the soil, and or surface water and river sediment within the boundaries of the site.

A Phase II Targeted Detailed Site Contamination Investigation should be undertaken to determine whether potential contamination on site within the soil on site.

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# 1 INTRODUCTION

## 1.1 General

A. D. Envirotech Australia Pty Ltd (ADE) was engaged by Urbis on behalf of The Next Generation NSW Pty Ltd (TNG NSW) to undertake a Phase I Preliminary Site Contamination Investigation (PSI) to assess the potential for contamination at the site located off Honeycomb Drive, Eastern Creek NSW (hereafter referred to as the 'site').

The subject site comprises Lots 2 and 3 of Deposited Plan (DP) 1145808 in the Local Government Area of Blacktown Council, Parish of Melville, County of Cumberland. The future location of the energy plant location (refer to figure 1.), hereafter referred to as the 'site' encompasses an area located south of the Genesis landfill facility. The site is approximately 9 hectares (ha) in size (refer to Appendix X – Site Layout Plan). For the purpose of this report, the scope of investigation extends to the area outlined within Figure 1 below, with an approximate area of 15 hectares.

A site inspection was undertaken on the 23<sup>rd</sup> April 2014 and comprised of a visual assessment of the site. Details of the field inspection are given in this report, together with comments on the significance of the findings from the investigation.

This report was completed in accordance with the *Guidelines for Consultants Reporting on Contaminated Sites*, NSW EPA, September 2000.

## 1.2 Proposed Development

ADE has been advised that the proposed development involves the construction of an Energy from Waste (EFW) Electricity Generation Plant for The Next Generation NSW Pty Ltd (TNG NSW) in Eastern Creek, approximately 36km west of the Sydney CBD.

The development involves the construction and operation of an Electricity Generation Plant, which will allow for unsalvageable and uneconomic residue waste from the Genesis Xero Material Processing Centre (MPC) and Waste Transfer Station (WTS) to be used for generation of electrical power. The EFW Plant is proposed to be located on Lots 2 and 3, DP 1145808.

This development site is part of a proposal to construct and operate NSW's largest Energy from Waste Plant using as fuel, residual waste which would otherwise be land filled, to allow for a "green" electricity generation facility. The plant, powered by burning non-recyclable combustible waste material, will have a capacity for up to 1.35 million tonnes of waste material per annum, as follows:

- 850,000 tonnes per annum from waste already being received at the neighbouring Genesis Xero Waste Facility; and
- Up to 500,000 tonnes per annum from external (new) sources.

The proposed EFW Facility will employment of a total of up to 55 staff upon operation, working over 3 shifts (i.e. not on site at any one time).

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The project is identified as State Significant Development (SSD) under Schedule 1 of the State Environmental Planning Policy (State and Regional Development) 2011 being:

*Cl. 20 Electricity generating works and heat or co-generation:*

*Development for the purpose of electricity generating works or heat or their co-generation (using any energy source, including gas, coal, biofuel, distillate, waste, hydro, wave, solar or wind power) that:*

*(a) has a capital investment value of more than \$30 million, or*

*(b) has a capital investment value of more than \$10 million and is located in an environmentally sensitive area of State significance*

The proposal has a capital investment value of greater than \$30 million and therefore is classified as a State Significant Development.

The site which is accessed off Honeycomb Drive at Eastern Creek is surrounded by land owned by the Corporate Group Alexandria Landfill Pty Ltd, ThaQuarry Pty Ltd, Australand, Hanson, Jacfin, the Department of Planning and Infrastructure and Sargents. The site and surrounding land is identified as part of the 'State Environmental Planning Policy (Western Sydney Employment Area) 2009 (WSEA SEPP)' to be redeveloped for higher end industrial and employment uses over the next decade. The site has a total area of approximately 56 Ha including the Riparian Corridor, with a specific development area of circa 9 Ha.

The proposed works will, in addition to the Energy from Waste Electricity Generation Facility, include the adoption of a plan of subdivision and the following ancillary works:

- Earthworks associated with the balance of the site;
- Internal roadways;
- Provision of a direct underpass connection (Precast Arch and Conveyor Culvert) between TNG Facility and the Genesis Xero Waste Facility;
- Staff amenities and ablutions;
- Staff carparking facilities;
- Water detention and treatment basins;
- Services (Sewerage, Water Supply, Communications, Power Supply).

Further to the above physical works associated with the proposed Energy from Waste Facility, this application seeks approval for the subdivision Lot 1, 2 and 3 in DP 1145805 in order to create a separate lot of 10,000m<sup>2</sup> for the Transgrid Switching or Substation and additional lots to allow for future development of land not associated with the Energy from Waste Facility and the Genesis Xero Material Processing Plant.

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### 1.3 Objectives

The objectives of the investigation were to:

- identify past and present potentially contaminating activities;
- identify potential sources of contamination and types of contaminants;
- discuss the site condition;
- provide a preliminary assessment of site contamination for the suitability of the proposed development; and
- assess the need for further investigations.

### 1.4 Scope of Work

The scope of work required to achieve the objectives of the investigation involved the following:

- completion of a Safety, Health & Environment Work Method Statement (SHEWMS);
- desktop site review of:
  - land title records;
  - section 149 certificates;
  - EPA contaminated lands register for notations; and
  - Dial Before You Dig service search.
- review of past and current activities on the site;
- review of past and current activities on neighbouring sites and identification of any potential on-site/off-site sources of contamination;
- review of past aerial photographs of the site and its surrounds to identify the locations of any previous buildings and/or other infrastructure associated with activities that could be on-site/off-site sources of contamination;
- review of local geology and hydrogeology (including groundwater bore search);
- site inspection by an experienced environmental scientist; and
- preparation of a Phase I PSI report outlining:
  - detailed information on the results of the desktop review and site inspection;
  - conclusions regarding the potential for contamination at the site;
  - conclusions regarding the sites suitability for the proposed development; and
  - recommendations for a Phase II Detailed Site Investigation (DSI), should it be warranted.

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## 1.5 Legislative Requirements

The legislative framework for the report is based on guidelines that have been issued and/or endorsed by the NSW Environmental Protection Agency (EPA) formerly the Office of Environment and Heritage (OEH) under the following Acts/Regulations:

- *Protection of the Environment Operations Act 1997*
- *Protection of the Environment Operations (Underground Petroleum Storage Systems) Regulation 2008*
- *Contaminated Land Management Act 1998*

The relevant guidelines issued under the provisions of the aforementioned Acts/Regulations include:

- *Guidelines for the NSW Site Auditor Scheme, NSW DEC 2006.*
- *Guidelines for Consultants Reporting on Contaminated Sites, NSW EPA, 2000.*
- *Guidelines for Assessing Service Station Sites, NSW EPA 1994.*
- *Guidelines on the Investigation Levels for Soil and Groundwater, National Environmental Protection Measure 1999, 2013 Amendment (NEPM 2013).*
- *Australian Standard AS 4482.1 Guide to the sampling and investigation of potentially contaminated soil. Part 1: Non-volatile and semi-volatile compounds.*
- *Australian Standard AS 4482.2 Guide to the sampling and investigation of potentially contaminated soil. Part 2: Volatile substances.*
- *Sampling Design Guidelines - NSW EPA, 1995.*
- *Waste Classification Guidelines Part 1: Classifying Waste, DECCW, 2009.*
- *Guidelines for Implementing the Protection of the Environment Operations (Underground Petroleum Storage Systems) Regulation 2008, NSW DECCW 2009.*
- *Guidelines for the Assessment and Management of Groundwater Contamination, NSW DEC, 2007.*

## 1.6 Whole Report

No one section, or part of a section, of this report should be taken as giving an overall idea of this report. Each section must be read in conjunction with the whole of this report, including its appendices and attachments.

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## 2 SITE IDENTIFICATION

### 2.1 Site Location

The site is situated to the south of Honeycomb Drive as is shown by **Figure 1** below.



**Figure 1.** Aerial photograph of the area of investigation outlined in red (Aerial photograph from Urbis; accessed on 30.04.2014).

Bearings provided in this report are approximate only. For ease of representing locations in the report, the site is considered to be off Honeycomb Drive, with a nominal east-west direction assumed. All references to points of the compass within the report are based on these approximate bearings.

### 2.2 Site Inspection and Description

The proposed development referred to in this report as the 'site' is situated to the south of the Genesis Landfill facility located off Honeycomb Drive, Eastern Creek. The site is situated within an area of expanding industrial and commercial developments. The site is currently in use as grazing land and evidence of regular use for trail bikes throughout the site was observed.

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The site is situated within a larger area of currently undeveloped land earmarked to be re-developed under the *Western Sydney Employment Area State Environmental Planning Policy (WSEA SEPP)*. Erskine Park, Minchinbury, Prospect and Horsley Park surround the subject site.

The site is approximately 9 ha in size. The land is sloped to the south towards a watercourse and riparian corridor situated in the south-eastern corner of the site. An area of woodland is situated adjacent to the watercourse. Off site immediately to the south-east of the watercourse is a waste water storage dam which is built up significantly higher than the surrounding land.

No buildings or structures were observed on the site, however, fencing, a number of groundwater wells and two stockpiles were observed on the site totaling approximately 500 m<sup>3</sup>. Large shale rocks and associated materials which appear to have been excavated and dumped on site were observed along the western border of the site. Imported fill with waste materials such as paper, plastic etc was observed across an area of approximately 500 - 2000 m<sup>2</sup> in the centre of the site.

Exposed soil surfaces observed within man made drainage lines indicate the area to be natural and consistent with local geology.

Some vegetation along the watercourse was wilting or dead, however the majority of vegetation on site appeared at the time of the inspection, to be healthy with no signs of stress or discolouration.

### **2.3 Surrounding Land-use**

The immediately surrounding area of the site consists of industrial properties. Genesis landfill facility is situated approximately 200 m north of the northern boundary. East of the site is an asphalt plant which has been functioning since at least 1978. Grazing land and electrical easement lines occur to the south and west of the site. More broadly the surrounding land use is predominantly for grazing and commercial properties. The M4 Motorway is situated approximately 1 km to the north of the site.

### **2.4 Summary of Site Details**

**Table 1** below provides a summary of details pertaining to the site.

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**Table 1.** Site details and information.

Site Details	
Site address's	Off Honeycomb Drive, Eastern Creek NSW
Title identification	Lots 2 and 3 of Deposited Plan (DP) 1145808
Current site use	Pastural / grazing land
Future site use	Energy from Waste Electricity Generation Plant
Investigation area	Approximately 15 ha

### 3 PHYSICAL SETTING

#### 3.1 Site Topography and Hydrology

The site is situated on the side of a valley at an elevation varying between 85 m and 50 m above mean sea level, topography is sloping from north to south down towards the watercourse. The overall gradient of the site slopes north south with some undulations in various directions. The closest permanent water bodies would be the drainage basin situated south-east of the site beneath the asphalt plant and a farm dam south-west of the site. A watercourse occurs on site which flows towards Eastern Creek.

#### 3.2 Local Geology and Soil

The site is located on a Blacktown Soil Landscape (bt) as indicated on the Penrith Soil Landscape Map, prepared by the Soil Conservation Services of NSW.

The topsoil (A1 Horizon) consists of a friable brownish-black loam with moderately pedal sub angular-blocky structure and rough-faced porous ped fabric. The pH ranges from slightly acidic (pH 5.5) to neutral (pH 7.0). Roots are common. Shale and charcoal fragments are sometimes present.

Beneath this layer occurs the A2 Horizon consisting of a hardsetting brown clay loam to silty clay loam with an apedal massive to weakly pedal structure and slowly porous earthy fabric. The pH varies from moderately acid (pH 5.0) to slightly acid (pH6.5). Platy ironstone gravel-sized shale fragments are common. Roots and charcoal fragments are absent.

The subsoils consist of two B horizons. The shallow subsoil consists of a strongly pedal, brown light to medium clay with a smooth-faced dense ped fabric. Soil texture often increases with depth as does red, yellow and grey clay mottling. The pH ranges from strongly acidic (pH 4.5) to slightly acidic (pH 6.5). Fine to coarse gravel-sized shale fragments are common, often occurring in stratified bands. Roots and charcoal fragments are rare.

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The deep subsoil consists of a plastic light grey silty clay to heavy clay with moderately ped polyhedral to sub-angular blocky structure and a smooth ped fabric. This material often occurs above a shale bedrock (C Horizon). The pH ranges from strongly acidic (pH 4.0) to moderately acidic (pH 5.5). Strongly weathered ironstone concretions and rock fragments are common. Roots and gravel-sized shale fragments are occasionally present. Charcoal fragments are rare.

#### *Fill material*

No intrusive works were conducted during the site inspection. Two (2) stockpiles totalling approximately 500 m<sup>3</sup> were observed on the site. One is situated on the proposed driveway close to the northern boundary of the site, the other is situated approximately 35 m south-west of the proposed driveway. The stockpiles were overgrown with vegetation. No rubbish or waste materials were observed however visual access to the soil material was limited. The client has informed ADE that the stockpiles originate from on site and have been accumulated from surrounding areas. The nature of the materials is therefore considered to be of no concern.

An area containing soil materials inconsistent with local geology observed to contain waste materials such as shredded paper, plastic etc across an area of approximately 500 - 2000 m<sup>2</sup>. These materials were located along the tracks and paths throughout the centre of the site. The area appeared to be used as a dirt bike track.

### **3.3 Hydrogeology**

It was beyond the scope of work to study the groundwater flow direction. The local groundwater flow is likely to have a southerly direction towards the watercourse before heading west towards Eastern Creek.

Mobile contaminants located at the site would be expected to progress down to the groundwater surface, and migrate laterally towards Eastern Creek.

Surface water runoff is expected to progress down slope towards the onsite watercourse before progressing west towards Eastern creek.

Standing water level in surrounding monitoring wells is noted to be approximately 40 m below ground level. Given the location of these wells and the site topography it is expected the standing ground water level in areas of lower elevation such as adjacent to the water course, would be much closer to the surface.

A search for registered groundwater wells within a 2 km radius of the site was undertaken by ADE via the NSW Office of Water (NSW Groundwater works, NR Atlas website). Four (4) groundwater bores were found. No groundwater quality data with regard to contaminants of concern were available within the search area (refer to **Appendix IV – Department of Environment and Sustainability**).

A number of groundwater monitoring wells were observed on the site, three (3) wells within metal casings were noted as well as six (6) PVC pipes protruding from the ground were noted. No available groundwater data has been provided by the client.

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**Table 2.** List of groundwater bores within 1 km radius of site.

Bore ID	Use	Completion Date	SWL (mBTOC)	Total depth (m)
GW110311	Monitoring bore	08.07.2009	31.6 m	100 m
GW110313	Monitoring bore	08.07.2009	40.3 m	150 m
GW110312	Monitoring bore	08.07.2009	39.8 m	100 m
GW110314	Monitoring bore	08.07.2009	40.3 m	151 m

### 3.4 Acid Sulphate Soils

A review of the Acid Sulphate Soil Risk Maps showed that the site is within an area of “extremely low probability of occurrence” for acid sulphate soils (refer to *APPENDIX IX – ACID SULFATE SOILS MAP*).

## 4 SITE HISTORY

### 4.1 Historical Land and Title Search

The site history has been compiled from information gathered from the Land Titles Office (LTO), Land Property Information (LPI) and Council records.

The site comprises 2 and 3 of Deposited Plan (DP) 1145808 in the Local Government Area of Blacktown Council, Parish of Melville, County of Cumberland.

**Table 3** represents the summary of the records held by the LTO for the Lot 2 (refer to **Appendix II - L.T.O**).

**Table 3.** Summary of LTO records for Lot 2 in Deposited Plan (DP) 1145808

Date	Transferred/Leased From	Transferred/Leased To	Transfer No.	Certificate reference
<b>Unknown</b>				
17.08.1819	Crown land	William Cox	Unknown	Vol 14726 Fol 222
Unknown	Unknown	Unknown	Unknown	Unknown
<b>Vol 14726 Folio 222</b>				
28.07.1983	Unknown	Leased to : Pioneer Concrete (N.S.W) Pty Ltd	T646462	Vol 14726 Fol 222
<b>Vol 13544 Fol 125</b>				
17.08.1819	Crown land	William Cox	Unknown	Vol 13544 Fol 125
06.02.1978	Unknown	Leased to : Ray Fitzpatrick Quarries Pty Ltd	13544125	Vol 13544 Fol 125

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**Table 3.** continued ...

Date	Transferred/Leased From	Transferred/Leased To	Transfer No.	Certificate reference
<b>Lot 2 Deposited Plan 262213</b>				
06.08.1987	Unknown	Report created	Unknown	Lot 2 DP 262213
23/12/1996	Variation of lease.	Unknown	2716424	Lot 2 DP 262213
12/9/2005	Transefer of lease	Unknown	20343	Lot 2 DP 262213
25/5/2006	DEPOSITED PLAN	Unknown	DP1097123	Lot 2 DP 262213
14/6/2006	Lease		AC54545	Lot 2 DP 262213
12/08/2008	Withdrawn – Deposited Plan		DP1127167	Lot 2 DP 262213
<b>Lot 2 Deposited Plan 1145808</b>				
18/12/2009	Deposited Plan		DP1145808	Lot 2 DP 1145808
12/08/2008	Withdrawn – Deposited Plan			
<b>Lot 3 Deposited Plan 1145808</b>				
18/12/2009	Deposited Plan		DP1145808	Lot 3 DP 1145808

The information obtained from the LTO, LPI and Council Records indicates that the site has been in use as grazing land with a quarry and asphalt plant adjacent the site for greater than 40 years.

#### **4.2 Aerial Photographs Review**

A review of aerial photographs was conducted and is summarised in **Table 5** below. Aerial photographs from the years of 1955, 1978, 1994, and 2013 were examined (refer to **Appendix III - Aerial Photographs**).

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**Table 4.** Summary of aerial photography.

Year	Type	Subject Site Description	Adjacent Site Description
1955	Black and White	The site is cleared pasture land, some areas of woodland are present. The watercourse running from east to west through the site is present. The quarry to the north is present with a surrounding foot print of disturbed land. Minimal roads associated with the site can be observed. A track along the south-western boundary is present. Some small site sheds and buildings are present.	A quarry is present to the north of the site, a farm dam occurs to the south-west and grazing lands surround the site. Some clearing and ground disturbance is evident to the north of the quarry.
1978	Black and White	The site appears to have been cleared with the majority of the vegetation previously present removed. A road surrounds the northern and western boundary of the site. A power line easement can now be seen overhead the south-western boundary. Plant equipment, storage facilities, numerous small buildings and storage tanks are present within the quarry / asphalt plant directly to the east.	The quarry to the north of the site has deepened and expanded in all directions. A number of roads now lead to the quarry. An asphalt plant is present immediately adjacent the eastern boundary. A waste water dam is present associated with the asphalt plant is located adjacent the south-eastern corner of the site. There is significant evidence of land disturbance within the surrounding areas. The M4 is now present to the north of the quarry and there are areas of urban development to the north-west. The farm dam and grazing lands to the south and south-west appear unchanged from the previous photo.
1994	Colour	The site remains predominantly unchanged from the previous photo. The site appears to be remain for grazing purposes. Some evidence of dirt tracks can be seen. The creekline and small pocket of vegetation in the south-west corner appear unchanged.	Urban development is now present to the north and west of the site with large scale development of Erskine Park and Minchinbury. The depth of the Quarry appears deeper than the previous photo. An area to the west of the quarry has now been cleared. The asphalt plant to the east of the site appears largely unchanged from the previous photo. Archibold Road to the west of the site is now present.

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**Table 4.** continued ...

Year	Type	Subject Site Description	Adjacent Site Description
2013	Colour	The site is largely unchanged from the previous photo.	Much of the previously vacant land between the quarry and Wallgrove road is developed with large commercial properties. The quarry to the north of the site has been further developed with the addition of the recycling facility and an extension of the waste storage facility. The quarry / asphalt plant to the east of the site appears largely unchanged from the previous photo.

The site and adjacent areas appeared at the time of inspection as it appears in the 2013 aerial photograph.

### 4.3 Contaminated Land Register Search

A search of the sites listed by the EPA under the Contaminated Land Management Act 1997 revealed that no records have been issued against the site.

### 4.4 Previous Investigation Reports

No previous investigative reports for the site or surrounding area have been provided by the client.

### 4.5 Section 149

The site is currently zoned under Zone E2 - Environmental Conservation and IN1 - General Industrial under the provisions of State Environmental Planning Policy (Western Sydney Employment Area) 2009. The Planning Certificate under Section 149 of the *Environmental Planning and Assessment Act 1979* (See **Appendix V – Section 149 Certificate**) provides the state and local environmental planning instruments which affect the site.

The following matters are prescribed by section 59 (2) of the Contaminated Land Management Act 1997 as additional matters to be specified in the planning certificate.

- The land is not within an investigation area or remediation site under Part 3 of the Contaminated Land Management Act 1997;
- The land is not subject to an investigation order or an remediation order within the meaning of the Contaminated Land Management Act 1997;

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- The land is not subject to a voluntary investigation proposal (or voluntary remediation proposal) that is the subject of the Environmental Protection Authority's agreement under Section 19 or 26 of the Contaminated Land Management Act 1997; and
- The land is not subject to a site audit statement within the meaning of the Contaminated Land Management Act 1997.

#### 4.6 Dial Before You Dig

An online search for utilities located within the site was conducted and is summarised in **Table 6**, below. Asset owners Endeavour Energy, Jemena, Sydney Water and Telstra were notified and provided information on their utilities (refer to **Appendix VII – Dial Before You Dig**).

**Table 5.** Summary of utilities located on or adjacent to the site

Asset Owner	Utility Type	Utility Location
Ausgrid (formerly Energy Australia)	N/A	N/A
Jemena Gas South	N/A	N/A
Sydney Water	N/A	N/A
Telstra NSW, Central	N/A	N/A

Notes to table:

N/A = Not applicable

#### 4.7 Assessment of Historical Information Integrity

The site history assessment has been obtained from a variety of resources including government records from the NSW land titles office, local council, historical archives, historical aerial photographs, NSW Office of Water and EPA. The veracity of the information from these sources is considered to be high, however, due to a lack of information prior to the 1940's, there is a certain degree of information loss to be expected. The site history assessment is generally considered to be of high integrity with respect to the historical use of the site.

#### 4.8 WorkCover

A search of the Stored Chemical Information Database (SCID) and the microfiche records held by WorkCover NSW has located records pertaining to the above mentioned premises. A licence to keep dangerous goods on site under three separate business names, Pioneer Construction Materials Pty Ltd, Pioneer Concrete (NSW) Pty Ltd and Ray Fitzpatrick Quarries Pty Ltd were returned. These licences were issued between 1957 and 2001. There appears to have been two (2) 15 000 L underground petroleum

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storage tanks located approximate 450 m north-east of the site. The dangerous goods licence application from 1999 indicates that the tanks have been removed. A visual inspection of the former location of the tanks revealed the presence of a confined space within the approximate area. Discussions with the client confirm that this is not an underground petroleum storage tank.

Given the distance from the proposed site, it is considered unlikely that there is potential contamination as a result of the former underground petroleum storage tanks located off site approximately 450 m north-east.

## 5 POTENTIAL CONTAMINATION TYPES AND RECEPTORS

### 5.1 Potential Contamination Types

**Table 6** below provides details of the potential contamination types that were identified for the site. These are potential sources of contamination that may migrate to or be found on the site.

**Table 6.** Potential Sources, Locations and Types of Contaminants.

Source of contamination	Location	Potential contaminants
Fill Materials	Targeted to areas with soil profile not consistent with rest of local area	Asbestos Containing Materials, Heavy metals, PAHs, TRH, BTEX, OCPs, OPPs, PCBs, Phenols
Deposition of airborne dust	Entire site	Heavy metals, PAHs, TRH
Potential runoff and water from asphalt plant	Border of site and asphalt plant	Metals, TRH, PAHs
Surface water and sedimentation from adjacent wastewater pond	Surface water and sediment within Creek bed on site and downstream towards Eastern creek	Heavy metals

Based on the information obtained throughout the course of this investigation it is the opinion of ADE that due to the sites proximity to an asphalt plant, the potential for onsite dust deposition from nearby quarry, the unknown nature of fill, and the potential runoff / overflow of water and sediment from the adjacent wastewater pond, there is potential for contamination to be present on site.

### 5.2 Primary Transport Mechanisms

Primary transport mechanisms for the migration of potential contaminants on to the site or off the site include:

- airborne particulates due to wind turbulence events;
- surface water runoff; and
- wastewater overflow and sediment deposition from adjacent storage pond

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### 5.3 Potential Contamination Receptors

The main potential contamination receptors were considered to include:

- site visitors, contractors, and adjacent property owners/users, who may come into contact with contaminated soil or dust; and
- downstream tributaries to watercourse.

## 6 ASSESSMENT CRITERIA

### 6.1 Soil

The Health-Based Investigation Levels assigned by the *National Environmental Protection Measure (Assessment of Site Contamination), 1999, as amended 2013* for “commercial/industrial such as shops, offices, factories and industrial sites” should be applied if an assessment of site contaminant concentrations is required.

Refer to contaminant thresholds listed within Schedule B1 of the *National National Environmental Protection Measure (Assessment of Site Contamination), 1999, as amended 2013*. Specifically the following tables should be referred with regard to potential contaminants:

- Table 1A(1) Health investigation levels for soil contaminants
- Table 1A(3) Soil HSLs for vapour intrusion (mg/kg)
- Table 1A(5) Soil vapour HSLs for vapour intrusion (mg/m<sup>3</sup>)

These are levels at which further investigation and evaluation is required to assess whether the site is considered suitable for the proposed land-use.

Additionally the criteria specified in the following publications should apply if a site assessment is required:

- *Guidelines for Assessing Service Station Sites, NSW EPA 1994*
- *Guidelines for the NSW Site Auditor Scheme, NSW DECC 2006, 2<sup>nd</sup> Edition*

A contaminant concentration in soil will be deemed acceptable if:

- all samples meet the specified acceptance criteria;
- the 95% upper confidence limit (UCL) average concentration of each contaminant is below the acceptance criteria; or
- no individual exceedance is greater than 2.5 times the site acceptance criteria.

If a location is found to have more than 2.5 times a contaminants acceptable limit then it will be classified as a “hot-spot”, requiring further assessment, remediation, removal or management.

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If the calculated 95% UCL of the arithmetic average concentration of the contaminant is above their acceptance criteria, then the soil will be considered contaminated, requiring further assessment, remediation, removal or management.

If the 95% UCL of the arithmetic average concentrations is below the acceptance criteria, and no concentrations are at a “hotspot” level, slight elevations above the acceptance criteria may be considered to pose an insignificant human health risk.

## 6.2 Water and Sediment

Refer to contaminant thresholds listed within Schedule B1 of the *National Environmental Protection (Assessment of Site Contamination) Measure, Amendment 2013*. Specifically the following table should be referred with regard to potential contaminants:

- Table 1C Groundwater Investigation Levels (GILs)
- Table 1A(4) Groundwater HSLs for vapour intrusion (mg/L)

Additionally the criteria specified in the following publications should apply if a site assessment is required:

- *Groundwater Investigation Levels, National Environmental Protection Measure (Assessment of Site Contamination), 1999, as amended 2013, Schedule B(1)*;
- *Australian and New Zealand Water Quality Guidelines for Fresh and Marine Waters, 2000, (ANZWQG)*.

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## 7 CONCLUSIONS

Based on the data and evidence collected in the course of the site inspection and site history review, the findings of the Phase I PSI are as follows:

- The site has been utilised as grazing land as far back as records indicate.
- ADE has been advised that the site will be developed into an electricity generating facility.
- An asphalt plant and associated waste water overflow dam has been present adjacent the site since at least 1978.
- A quarry to the north of the site has been in operation since at least 1955.
- It is the opinion of ADE that due to the proximity of the asphalt plant, the potential overflow from adjacent waste water dam, the potential for contaminated fill and the potential for the deposition of airborne dust, there is the potential for contamination to be present on site.
- The potential contamination types that were identified for the site include: Asbestos Containing Materials, Heavy metals, BTEX, PAHs, TRHs, OCPs, OPPs, PCBs and Phenols.
- A Targeted Phase II Detailed Site Contamination Investigation around the boundary of the asphalt plant should be undertaken to determine whether contamination is present within the soil, and or surface water and river sediment within the boundaries of the site.
- Should the Targeted Phase II DSI reveal the site is not contaminated, the site can be deemed suitable for the proposed development.

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## 8 RECOMMENDATIONS

A. D. Envirotech Australia Pty Ltd recommends the following:

- A Targeted Phase II Detailed Site Contamination Investigation around the boundary of the asphalt plant should be undertaken to determine whether contamination is present within the soil, and or surface water and river sediment within the boundaries of the site.

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## 9 LIMITATIONS

This report has been prepared for use by the client who has commissioned the works in accordance with the project brief only and has been based on information provided by the client. The advice herein relates only to this project and all results, conclusions and recommendations made should be reviewed by a competent and experienced person with experience in environmental investigations, before being used for any other purpose. A.D. Envirotech Australia Pty Ltd (ADE) accepts no liability for use or interpretation by any person or body other than the client who commissioned the works. This report should not be reproduced or amended in any way without prior approval by the client or ADE and should not be relied upon by any other party, who should make their own independent enquiries.

Furthermore, soils, rock and aquifer conditions are often variable, resulting in non-homogenous contaminant distributions across a site. Boundaries between zones of variable contamination are often indistinct and have been interpreted based on available information and the application of professional judgement. The accuracy with which the subsurface conditions have been characterised depends on the frequency and methods of sampling and the uniformity of subsurface conditions and is therefore limited by the scope of works undertaken.

This report does not provide a complete assessment of the environmental status of the site and it is limited to the scope defined herein. Should information become available regarding conditions at the site including previously unknown sources of contamination, ADE reserves the right to review the report in the context of the additional information.

ADE's professional opinions are based upon its professional judgement, experience, training and results from analytical data. In some cases further testing and analysis may be required, thus producing different results and/or opinions. ADE has limited investigation to the scope agreed upon with its client.

ADE has used a degree of care and skill ordinarily exercised in similar investigations by reputable member of the Environmental Industry within Australia. No other warranty, expressed or implied, is made or intended.

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## 10 REFERENCES

1. Australian Standard AS 4482.1 *Guide to the sampling and investigation of potentially contaminated soil. Part 1: Non-volatile and semi-volatile compounds.*
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## APPENDIX I PHOTOGRAPHS

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**Photograph 1.** View from the southern border of the site, facing north.



**Photograph 2.** Fill materials along the western boundary of the site.

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**Photograph 3.** Imported fill with plastic and other debris throughout.



**Photograph 4.** One of two stockpiles, located approximately 35m south-west of the proposed driveway.

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## APPENDIX II LTO RECORDS

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# TITLE SEARCH

Title Reference: 3/1145808

LAND AND PROPERTY INFORMATION NEW SOUTH WALES - TITLE SEARCH

FOLIO: 3/1145808

SEARCH DATE	TIME	EDITION NO	DATE
16/4/2014	10:41 AM	2	11/11/2011

LAND

LOT 3 IN DEPOSITED PLAN 1145808  
 AT EASTERN CREEK  
 LOCAL GOVERNMENT AREA BLACKTOWN  
 PARISH OF MELVILLE COUNTY OF CUMBERLAND  
 TITLE DIAGRAM DP1145808

FIRST SCHEDULE

ACN 114 843 453 PTY LIMITED

SECOND SCHEDULE (4 NOTIFICATIONS)

- RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
- AE435918 MORTGAGE TO DENARKE PTY LIMITED
- DP1145808 RIGHT OF CARRIAGEWAY 30 METRE(S) WIDE APPURTENANT TO THE LAND ABOVE DESCRIBED
- AG615110 MORTGAGE TO WESTPAC BANKING CORPORATION

NOTATIONS

UNREGISTERED DEALINGS: NIL

\*\*\* END OF SEARCH \*\*\*

PRINTED ON 16/4/2014

\* ANY ENTRIES PRECEDED BY AN ASTERISK DO NOT APPEAR ON THE CURRENT EDITION OF THE CERTIFICATE OF TITLE. WARNING: THE INFORMATION APPEARING UNDER NOTATIONS HAS NOT BEEN FORMALLY RECORDED IN THE REGISTER.

# TITLE SEARCH

Title Reference: 2/1145808

LAND AND PROPERTY INFORMATION NEW SOUTH WALES - TITLE SEARCH

FOLIO: 2/1145808

SEARCH DATE	TIME	EDITION NO	DATE
16/4/2014	10:40 AM	5	2/12/2013

LAND

LOT 2 IN DEPOSITED PLAN 1145808  
 AT EASTERN CREEK  
 LOCAL GOVERNMENT AREA BLACKTOWN  
 PARISH OF MELVILLE COUNTY OF CUMBERLAND  
 TITLE DIAGRAM DP1145808

FIRST SCHEDULE

ACN 114 843 453 PTY LIMITED

SECOND SCHEDULE (11 NOTIFICATIONS)

- 1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
- 2 DP262213 RIGHT OF CARRIAGEWAY AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM
- 3 DP262213 EASEMENT FOR SERVICES AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM
- 4 AE435918 MORTGAGE TO DENARKE PTY LIMITED
- 5 DP1145808 RIGHT OF CARRIAGEWAY 21 METRE(S) WIDE AND VARIABLE APPURTENANT TO THE LAND ABOVE DESCRIBED
- 6 DP1145808 RIGHT OF CARRIAGEWAY & EASEMENT FOR SERVICES 21.5 METRE(S) WIDE AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM
- 7 DP1145808 EASEMENT FOR SERVICES 2.5 WIDE, 5 WIDE AND VARIABLE AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM
- 8 DP1145808 RIGHT OF CARRIAGEWAY 23 WIDE & 30 WIDE AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM
- 9 DP1145808 RIGHT OF CARRIAGEWAY 30 METRE(S) WIDE AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM
- 10 AG367113 RIGHT OF ACCESS 25 WIDE AND VARIABLE AFFECTING THE SITE DESIGNATED (A) IN PLAN WITH AG367113
- 11 AG615110 MORTGAGE TO WESTPAC BANKING CORPORATION

NOTATIONS

UNREGISTERED DEALINGS: NIL

\*\*\* END OF SEARCH \*\*\*

PRINTED ON 16/4/2014

\* ANY ENTRIES PRECEDED BY AN ASTERISK DO NOT APPEAR ON THE CURRENT EDITION OF THE CERTIFICATE OF TITLE.  
 WARNING: THE INFORMATION APPEARING UNDER NOTATIONS HAS NOT BEEN FORMALLY RECORDED IN THE REGISTER.





# HISTORY OF TITLE TRANSACTION

Title Reference: 2/1145808

LAND AND PROPERTY INFORMATION NEW SOUTH WALES - HISTORICAL SEARCH

SEARCH DATE  
-----  
16/4/2014 10:41AM

FOLIO: 2/1145808  
-----

First Title(s): OLD SYSTEM  
Prior Title(s): 2/262213

Recorded	Number	Type of Instrument	C.T. Issue
-----	-----	-----	-----
18/12/2009	DP1145808	DEPOSITED PLAN	FOLIO CREATED EDITION 1
6/1/2011	AF977130	MORTGAGE	EDITION 2
17/8/2011	AG367113	TRANSFER GRANTING EASEMENT	EDITION 3
11/11/2011	AG615110	MORTGAGE	EDITION 4
2/12/2013	AI184150	DISCHARGE OF MORTGAGE	EDITION 5

\*\*\* END OF SEARCH \*\*\*

PRINTED ON 16/4/2014

# HISTORY OF TITLE TRANSACTION

Title Reference: 3/1145808

LAND AND PROPERTY INFORMATION NEW SOUTH WALES - HISTORICAL SEARCH

SEARCH DATE  
-----  
16/4/2014 10:40AM

FOLIO: 3/1145808  
-----

First Title(s): OLD SYSTEM  
Prior Title(s): 2/262213

Recorded -----	Number -----	Type of Instrument -----	C.T. Issue -----
18/12/2009	DP1145808	DEPOSITED PLAN	FOLIO CREATED EDITION 1
11/11/2011	AG615110	MORTGAGE	EDITION 2

\*\*\* END OF SEARCH \*\*\*

PRINTED ON 16/4/2014

# HISTORY OF TITLE TRANSACTION

Title Reference: 2/262213

LAND AND PROPERTY INFORMATION NEW SOUTH WALES - HISTORICAL SEARCH

SEARCH DATE  
 -----  
 30/4/2014 2:36PM

FOLIO: 2/262213  
 -----

First Title(s): SEE PRIOR TITLE(S)  
 Prior Title(s): VOL 14726 FOL 222

Recorded	Number	Type of Instrument	C.T. Issue
-----	-----	-----	-----
5/6/1987		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
6/8/1987		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
21/5/1996		AMENDMENT: LOCAL GOVT AREA	
23/12/1996	2716424	VARIATION OF LEASE	EDITION 1
19/6/1998	5067558	DEPARTMENTAL DEALING	
9/11/2004	AB78884	REQUEST	EDITION 2
23/12/2004	AB183817	CAVEAT	
16/3/2005	AB222195	MORTGAGE	EDITION 3
12/9/2005	AB760521	WITHDRAWAL OF CAVEAT	
12/9/2005	AB760522	DISCHARGE OF MORTGAGE	
12/9/2005	AB760523	TRANSFER	
12/9/2005	AB760524	MORTGAGE	
12/9/2005	AB760525	MORTGAGE	EDITION 4
25/5/2006	DP1097123	DEPOSITED PLAN	
26/5/2006	AC224767	SUB-MORTGAGE	
26/5/2006	AC224768	SUB-MORTGAGE	
14/6/2006	AC54545	LEASE	
14/6/2006	AC54546	LEASE	
14/6/2006	AC54547	LEASE	
14/6/2006	AC54548	LEASE	
14/6/2006	AC54549	LEASE	EDITION 5
29/12/2006	DP1106086	DEPOSITED PLAN	
3/1/2007	AC762291	TRANSFER GRANTING EASEMENT	EDITION 6
12/8/2008	DP1127167	WITHDRAWN - DEPOSITED PLAN	

END OF PAGE 1 - CONTINUED OVER

PRINTED ON 30/4/2014



LAND AND PROPERTY INFORMATION NEW SOUTH WALES - HISTORICAL SEARCH

SEARCH DATE

30/4/2014 2:36PM

FOLIO: 2/262213

PAGE 2

Recorded	Number	Type of Instrument	C.T. Issue
9/1/2009	AE435914	DISCHARGE OF MORTGAGE	
9/1/2009	AE435915	DISCHARGE OF MORTGAGE	
9/1/2009	AE435918	MORTGAGE	EDITION 7
18/12/2009	DP1145808	DEPOSITED PLAN	FOLIO CANCELLED

\*\*\* END OF SEARCH \*\*\*

PRINTED ON 30/4/2014

# CERTIFICATE OF TITLE

PROPERTY ACT, 1900



13544125

NEW SOUTH WALES

Appln. No.52818

Vol. 13544 Fol. 125

EDITION ISSUED

6 2 1978



I certify that the person described in the First Schedule is the registered proprietor of the undermentioned estate in the land within described subject nevertheless to such exceptions encumbrances and interests as are shown in the Second Schedule.

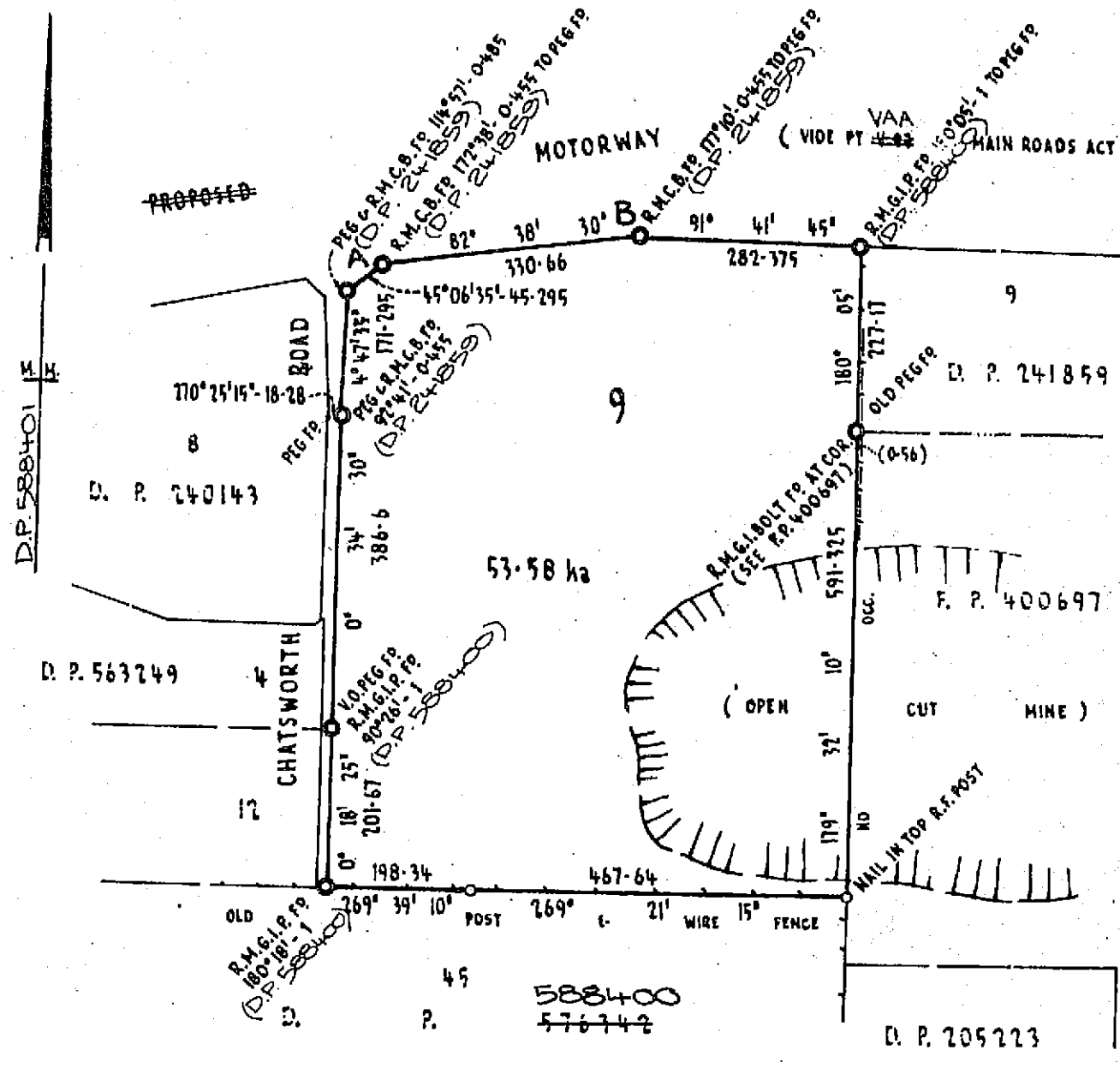
*[Signature]*  
Registrar General.



### PLAN SHOWING LOCATION OF LAND

LENGTHS ARE IN METRES

**CANCELLED**



#### ESTATE AND LAND REFERRED TO

Estate in Fee Simple in Lot 9 in Deposited Plan 588401 at Ropes Creek in the Municipality of Blacktown Parish of Melville and County of Cumberland being part of Portion 14 granted to William Cox (Junior) on 17-8-1819.

#### FIRST SCHEDULE

RAY FITZPATRICK PTY. LIMITED.

#### SECOND SCHEDULE

1. Reservations and conditions, if any, contained in the Crown Grant above referred to.
2. Book 2603 No.79 Lease to Ray Fitzpatrick Quarries Pty.Limited. Date of expiry 14-2-1979.

PERSONS ARE CAUTIONED AGAINST ALTERING OR ADDING TO THIS CERTIFICATE OR ANY NOTIFICATION HEREON

WARNING: THIS DOCUMENT MUST NOT BE REMOVED FROM THE LAND TITLES OFFICE.

13544 Fol. 125  
(Page 1) Vol.


CT. 10-9  
 DP 26 221

FIRST SCHEDULE (continued)

REGISTERED PROPRIETOR	NATURE	INSTRUMENT NUMBER		DATE	ENTERED	Signature of Registrar General

NEW CERTIFICATES OF TITLE ISSUED ON DP 26 2213  
 NO DEALING TO BE REGISTERED WITHOUT REFERENCE TO  
 DEALINGS BRANCH.

SECOND SCHEDULE (continued)

NATURE	INSTRUMENT NUMBER	DATE	PARTICULARS	ENTERED	Signature of Registrar General	CANCELLATION
	DP 26 2213	30.3.1982	Interests created pursuant to Section 88B Conveyancing Act, 1919, by the registration of Deceased Plan 262213	30.3.1982		
			This Deed is cancelled as to whole New Certificates of Title have issued on 26-4-1982 for lots in Deposited Plan to 26-2213 as follows: Lots 2 to 5 Vol 14 786 Fol 2023 to 2025 respectively.			
			REGISTRAR GENERAL			

NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR GENERAL ARE CANCELLED

# CERTIFICATE OF TITLE



NEW SOUTH WALES

PROPERTY ACT, 1900

Appln. Nos. 52818 & 52819

Vol. 14726 Fol. 222

EDITION ISSUED

23 4 1982

Prior Titles Vol.13544 Fol.125  
Vol.13548 Fol. 70  
Vol.13507 Fol.223



I certify that the person described in the First Schedule is the registered proprietor of the undermentioned estate in the land within described subject nevertheless to such exceptions encumbrances and interests as are shown in the Second Schedule.

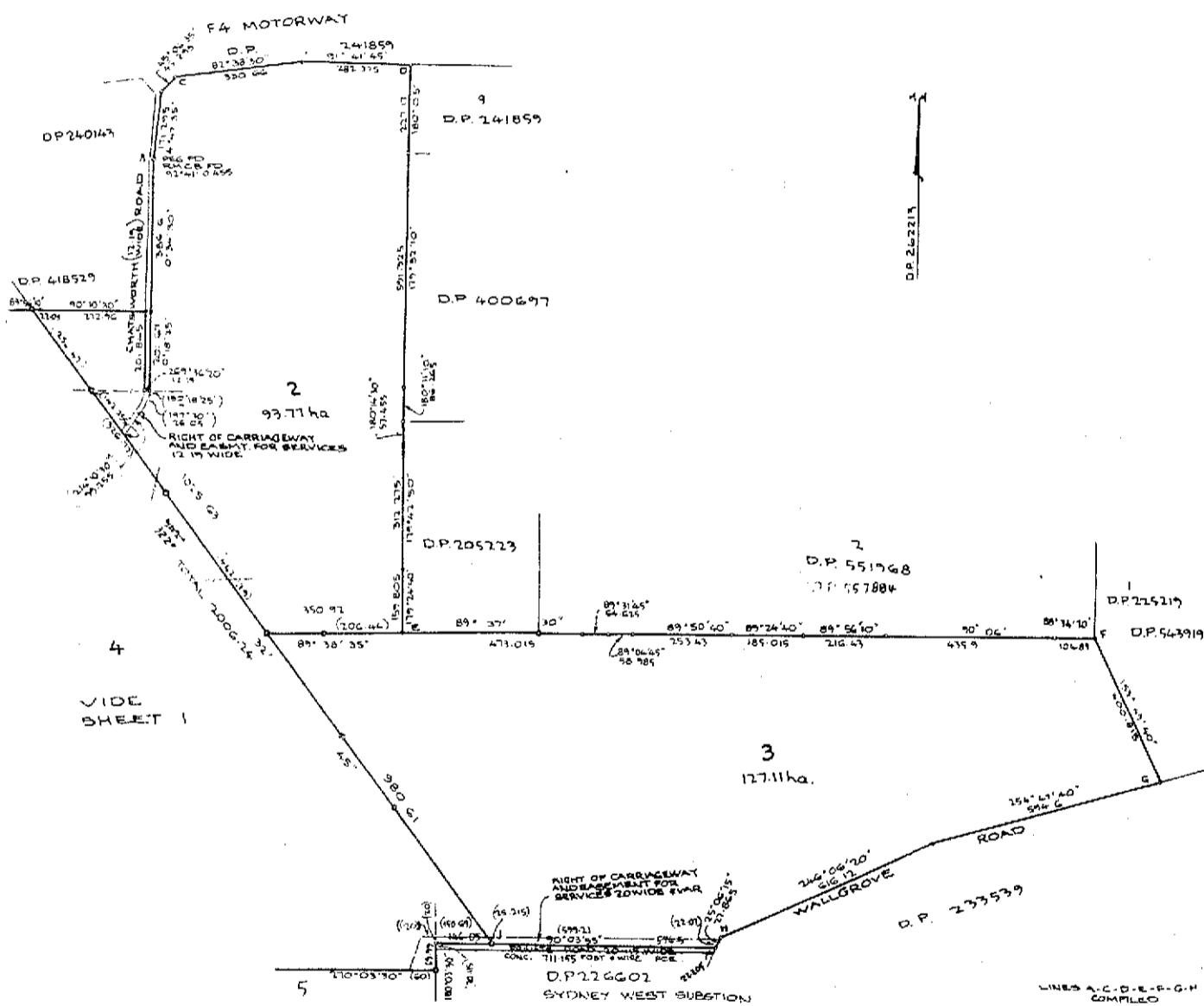
## CANCELLED

Registrar General.  
SEE AUTO FOLIO



### PLAN SHOWING LOCATION OF LAND

LENGTHS ARE IN METRES



### ESTATE AND LAND REFERRED TO

Estate in Fee Simple in Lot 2 in Deposited Plan 262213 at Ropes Creek in the City of Blacktown Parish of Melville and County of Cumberland being part of Portion 14 granted to William Cox (Junior) on 17-8-1819 and part of Portion 45 granted to John Thomas Campbell on 17-8-1819.

### FIRST SCHEDULE

RAY FITZPATRICK PTY. LIMITED.

### SECOND SCHEDULE

- GRAY 1. Reservations and conditions, if any, contained in the Crown Grants above referred to.
- RC(SB) 2. DP262213 Right of carriageway affecting the part of the land above described shown so burdened in the plan hereon.
- EG(SB) 3. DP262213 Easement for services affecting the part of the land above described shown so burdened in the plan hereon.

NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR GENERAL ARE CANCELLED

PERSONS ARE CAUTIONED AGAINST ALTERING OR ADDING TO THIS CERTIFICATE OR ANY NOTIFICATION HEREON (Page 1) Vol. 14726 Fol. 222

CT 7.83  
 T646462  
 3 Oct

NOTATIONS AND UNREGISTERED DEALINGS

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7 T646462 Lease to Pioneer Concrete (N.S.W.) Pty. Limited. Expires 31-12-2004.  
 Registered 28-7-1983

*[Signature]*

PARTICULARS  
 SECOND SCHEDULE (continued)  
 Registrar General CANCELLATION

--	--

REGISTERED PROPRIETOR  
 FIRST SCHEDULE (continued)  
 Registrar General



## APPENDIX III AERIAL PHOTOGRAPHS

---

**New South Wales Office:**

A. D. Envirotech Australia Pty Ltd  
Unit 4, 10-11 Millennium Court  
Silverwater, NSW 2128

**Queensland Office:**

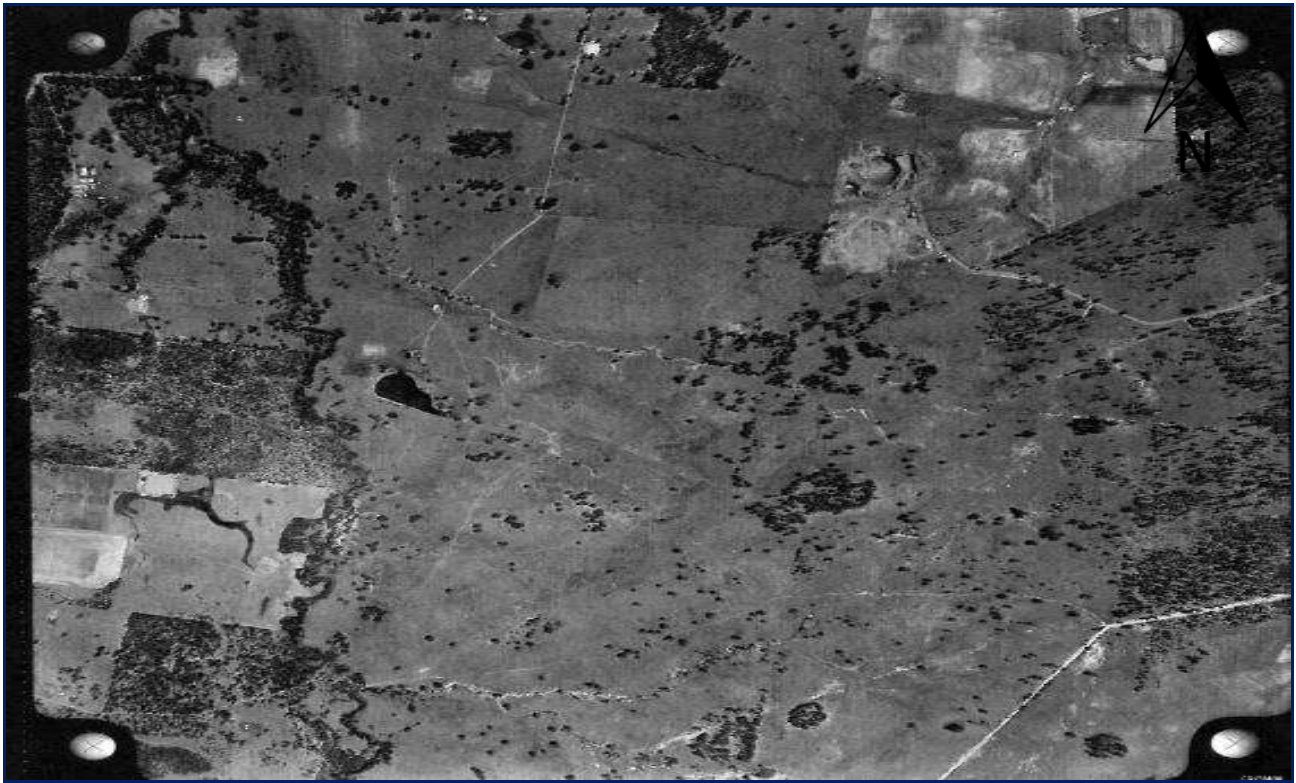
A. D. Envirotech Australia Pty Ltd  
P.O. Box 288  
Upper Coomera, QLD 4209

**Telephone:**

NSW: (02) 9648 6669  
QLD: (07) 5519 4610

**Internet:**

site: [www.ADenvirotech.com.au](http://www.ADenvirotech.com.au)  
e-mail: [info@ADenvirotech.com.au](mailto:info@ADenvirotech.com.au)



**Aerial Photograph 1.** Aerial photograph of the site, dated 1955. Sourced from Department of Environment and Primary Industries records, accessed on the 15.04.14



**Aerial Photograph 2.** Close up aerial photograph of the site, dated 1945. Sourced from Department of Environment and Primary Industries records, accessed on the 15.04.14

**New South Wales Office:**

A. D. Envirotech Australia Pty Ltd  
Unit 4, 10-11 Millennium Court  
Silverwater, NSW 2128

**Queensland Office:**

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P.O. Box 288  
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e-mail: [info@ADenvirotech.com.au](mailto:info@ADenvirotech.com.au)



**Aerial Photograph 3.** Aerial photograph of the site, dated 1978. Sourced from Department of Environment and Primary Industries records, accessed on the 15.04.14



**Aerial Photograph 4.** Close up aerial photograph of the site, dated 1978. Sourced from Department of Environment and Primary Industries records, accessed on the 15.04.14

**New South Wales Office:**

A. D. Envirotech Australia Pty Ltd  
 Unit 4, 10-11 Millennium Court  
 Silverwater, NSW 2128

**Queensland Office:**

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 e-mail: [info@ADenvirotech.com.au](mailto:info@ADenvirotech.com.au)



**Aerial Photograph 5.** Close up aerial photograph of the site, dated 1978. Sourced from Department of Environment and Primary Industries records, accessed on the 15.04.14



**Aerial Photograph 6.** Close up of aerial photograph of the site, dated 1994. Sourced from Department of Environment and Primary Industries records, accessed on the 15.04.14

**New South Wales Office:**

A. D. Envirotech Australia Pty Ltd  
Unit 4, 10-11 Millennium Court  
Silverwater, NSW 2128

**Queensland Office:**

A. D. Envirotech Australia Pty Ltd  
P.O. Box 288  
Upper Coomera, QLD 4209

**Telephone:**

NSW: (02) 9648 6669  
QLD: (07) 5519 4610

**Internet:**

site: [www.ADenvirotech.com.au](http://www.ADenvirotech.com.au)  
e-mail: [info@ADenvirotech.com.au](mailto:info@ADenvirotech.com.au)



**Aerial Photograph 7.** Close up aerial photograph of the site, dated 1994. Sourced from Department of Environment and Primary Industries records, accessed on the 15.04.14



**Aerial Photograph 8.** Aerial photograph of the site, dated 1994. Sourced from Department of Environment and Primary Industries records, accessed on the 15.04.14

**New South Wales Office:**

A. D. Envirotech Australia Pty Ltd  
Unit 4, 10-11 Millennium Court  
Silverwater, NSW 2128

**Queensland Office:**

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P.O. Box 288  
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site: [www.ADenvirotech.com.au](http://www.ADenvirotech.com.au)  
e-mail: [info@ADenvirotech.com.au](mailto:info@ADenvirotech.com.au)



**Aerial Photograph 9.** Close up aerial photograph of the site, dated 2013. Sourced from maps.six.nsw.gov.au on the 15.04.2014

**New South Wales Office:**

A. D. Envirotech Australia Pty Ltd  
Unit 4, 10-11 Millennium Court  
Silverwater, NSW 2128

**Queensland Office:**

A. D. Envirotech Australia Pty Ltd  
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e-mail: [info@ADenvirotech.com.au](mailto:info@ADenvirotech.com.au)

## APPENDIX IV GROUNDWATER SEARCH – NR ATLAS

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**New South Wales Office:**

A. D. Envirotech Australia Pty Ltd  
Unit 4, 10-11 Millennium Court  
Silverwater, NSW 2128

**Queensland Office:**

A. D. Envirotech Australia Pty Ltd  
P.O. Box 288  
Upper Coomera, QLD 4209

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site: [www.ADenvirotech.com.au](http://www.ADenvirotech.com.au)  
e-mail: [info@ADenvirotech.com.au](mailto:info@ADenvirotech.com.au)

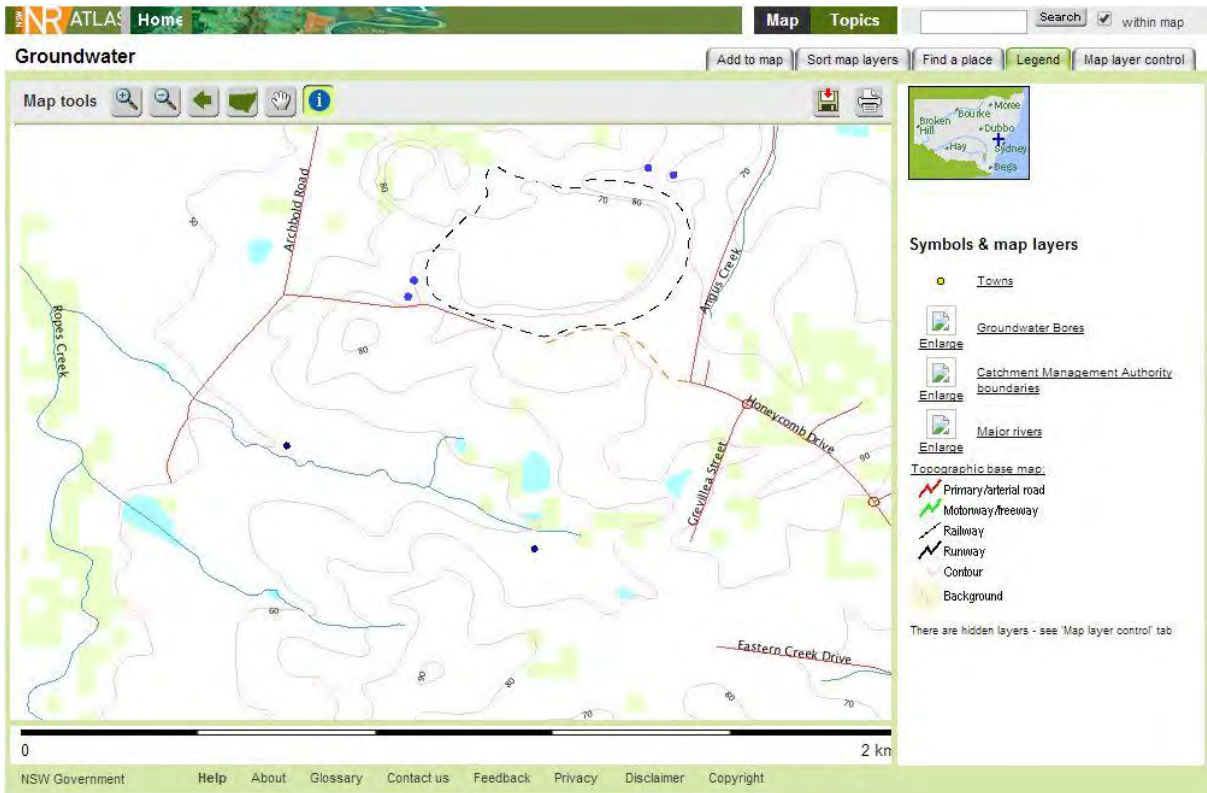


Image sourced from nratlas.nsw.gov.au on the 25.04.2014



**APPENDIX V SECTION 149**

---

**New South Wales Office:**

A. D. Envirotech Australia Pty Ltd  
Unit 4, 10-11 Millennium Court  
Silverwater, NSW 2128

**Queensland Office:**

A. D. Envirotech Australia Pty Ltd  
P.O. Box 288  
Upper Coomera, QLD 4209

**Telephone:**

NSW: (02) 9648 6669  
QLD: (07) 5519 4610

**Internet:**

site: [www.ADenvirotech.com.au](http://www.ADenvirotech.com.au)  
e-mail: [info@ADenvirotech.com.au](mailto:info@ADenvirotech.com.au)

**Applicant** DIAL A DUMP PTY LTD  
VIA SAI GLOBAL PROPERTY  
PO BOX A2151  
SYDNEY SOUTH NSW 1235

**Property** LOT 1 DP 1145808 OFF ARCHBOLD RD  
LOT 2 DP 1145808

ARCHBOLD ROAD,

**Suburb** EASTERN CREEK

RECEIVED  
14 APR 2014

Parish of Melville

**NOTE:** The land the subject of this Certificate is known to be located in the suburb of Eastern Creek.  
For all correspondence and property transactions this suburb name is to be used.

**PART A**  
**PRESCRIBED INFORMATION PROVIDED PURSUANT TO**  
**SECTION 149(2) OF THE ENVIRONMENTAL PLANNING**  
**AND ASSESSMENT ACT 1979 (EP&A Act 1979)**

**NOTE:** The following information is provided pursuant to Section 149(2) of the EP&A Act 1979, as prescribed by Schedule 4 of the *Environmental Planning and Assessment Regulation 2000*, and is applicable as of the date of this certificate.

**1. NAMES OF RELEVANT PLANNING INSTRUMENTS AND DEVELOPMENT CONTROL PLANS**

**1.1 Environmental Planning Instruments**

As at the date of this certificate the abovementioned land is not affected by Blacktown Local Environmental Plan 1988.

**1.2 Development Control Plans**

As at the date of this certificate the abovementioned land is not affected by Blacktown Development Control Plan 2006.

**1.3 Relevant State Environmental Planning Policies (SEPPs), including draft policies, or Regional Environmental Plans deemed to be SEPPs**

**State Environmental Planning Policy No. 6 - Number of Storeys in a Building**

This policy sets out a method for determining the number of storeys in a building, to prevent possible confusion arising from the interpretation of various environmental planning instruments.

**State Environmental Planning Policy No. 19 - Bushland in Urban Areas**

This policy protects and preserves bushland within certain urban areas, as part of the natural heritage or for recreational, educational and scientific purposes. The policy is designed to protect bushland in public open space zones and reservations, and to ensure that bush preservation is given a high priority when local environmental plans for urban development are prepared.

**State Environmental Planning Policy No. 32 - Urban Consolidation (Redevelopment of Land)**

This policy states the Government's intention to ensure that urban consolidation objectives are met in all urban areas throughout the State. The policy focuses on the redevelopment of urban land that is no longer required for the purpose it is currently zoned or used and encourages local councils to pursue their own urban consolidation strategies to help implement the aims and objectives of the policy. Councils will continue to be responsible for the majority of rezonings. The policy sets out guidelines for the Minister to follow when considering whether to initiate a regional environmental plan (REP) to make particular sites available for consolidated urban redevelopment. Where a site is rezoned by an REP, the Minister will be the consent authority.

**State Environmental Planning Policy No. 33 - Hazardous and Offensive Development**

This policy provides new definitions for 'hazardous industry', 'hazardous storage establishment', 'offensive industry' and 'offensive storage establishment'. The definitions apply to all planning instruments, existing and future. The new definitions enable decisions to approve or refuse a development to be based on the merit of proposal. The consent authority must carefully consider the specifics of the case, the location and the way in which the proposed activity is to be carried out. The policy also requires specified matters to be considered for proposals that are 'potentially hazardous' or 'potentially offensive' as defined in the policy. For example, any application to carry out a potentially hazardous or potentially offensive development is to be advertised for public comment, and applications to carry out potentially hazardous development must be supported by a preliminary hazard analysis (PHA). The Policy does not change the role of Councils as consent authorities, land zoning, or the designated development provisions of the Environmental Planning and Assessment Act 1979.

### **State Environmental Planning Policy No. 55 - Remediation of Land**

This policy provides state-wide planning controls for the remediation of contaminated land. The policy states that land must not be developed if it is unsuitable for a proposed use because it is contaminated. If the land is unsuitable, remediation must take place before the land is developed. The policy makes remediation permissible across the State, defines when consent is required, requires all remediation to comply with standards, ensures land is investigated if contamination is suspected, and requires councils to be notified of all remediation proposals.

### **State Environmental Planning Policy No. 62 - Sustainable Aquaculture**

This policy encourages the sustainable expansion of the industry in NSW. The policy implements the regional strategies already developed by creating a simple approach to identify and categorise aquaculture development on the basis of its potential environmental impact. The SEPP also identifies aquaculture development as a designated development only where there are potential environmental risks.

### **State Environmental Planning Policy No. 64 - Advertising and Signage**

This policy aims to ensure that outdoor advertising is compatible with the desired amenity and visual character of an area, provides effective communication in suitable locations and is of high quality design and finish. The SEPP was amended in August 2007 to permit and regulate outdoor advertising in transport corridors (e.g. freeways, tollways and rail corridors). The amended SEPP also aims to ensure that public benefits may be derived from advertising along and adjacent to transport corridors.

### **State Environmental Planning Policy - Affordable Rental Housing 2009**

This policy establishes a consistent planning regime for the provision of affordable rental housing. The policy provides incentives for new affordable rental housing, facilitates the retention of existing affordable rentals, and expands the role of not-for-profit providers. It also aims to support local centres by providing housing for workers close to places of work, and facilitate development of housing for the homeless and other disadvantaged people.

### **State Environmental Planning Policy - Exempt and Complying Development Codes**

This policy streamlines assessment processes for development that complies with specified development standards. The policy provides exempt and complying development codes that have State-wide application, identifying, in the General Exempt Development Code, types of development that are of minimal environmental impact that may be carried out without the need for development consent; and, in the General Housing Code, types of complying development that may be carried out in accordance with a complying development certificate as defined in the Environmental Planning and Assessment Act 1979.

### **State Environmental Planning Policy - Major Development 2005**

The SEPP facilitates the development, redevelopment or protection of important urban, coastal and regional sites of economic, environmental or social significance to the State so as to facilitate the orderly use, development or conservation of those State significant sites for the benefit of the State. Schedule 3 of the SEPP identifies State significant sites and provides planning provisions for those sites. Note: This SEPP was formerly known as State Environmental Planning Policy (Major Projects) 2005.

### **State Environmental Planning Policy - Western Sydney Employment Area 2009**

This State Environmental Planning Policy promotes economic development and the creation of employment in the Western Sydney Employment Area by providing for development, including major warehousing, distribution, freight transport, industrial, high technology and research facilities. The policy provides for coordinated planning, development and rezoning of land for employment or environmental conservation purposes.

### **State Environmental Planning Policy - Infrastructure 2007**

This policy provides a consistent planning regime for infrastructure and the provision of services across NSW, along with providing for consultation with relevant public authorities during the assessment process. The SEPP supports greater flexibility in the location of infrastructure and service facilities along with improved regulatory certainty and efficiency.

### **State Environmental Planning Policy - Mining, Petroleum Production and Extractive Industries 2007**

This policy aims to provide for the proper management and development of mineral, petroleum and extractive material resources for the social and economic welfare of the State. The policy establishes appropriate planning controls to encourage ecologically sustainable development.

### **State Environmental Planning Policy - Temporary Structures 2007**

This policy provides for the erection of temporary structures and the use of places of public entertainment, while protecting public safety and local amenity. The SEPP supports the transfer of the regulation of places of public entertainment and temporary structures (such as tents, marquees and booths) from the Local Government Act 1993 to the Environmental Planning and Assessment Act 1979.

### **Sydney Regional Environmental Plan No. 9 - Extractive Industry Sydney Region**

This plan aims to protect the viability of extractive resources in the Sydney Metropolitan Area by ensuring consideration is given to the impact of encroaching development.

## 2. ZONING AND LAND USE UNDER RELEVANT ENVIRONMENTAL PLANNING INSTRUMENTS

- (a) The abovementioned land is subject to the provisions of State Environmental Planning Policy (Western Sydney Employment Area) 2009 and is zoned:

E2 - ENVIRONMENTAL CONSERVATION  
IN1 - GENERAL INDUSTRIAL

- (b) The land does not include or comprise a critical habitat. Critical habitat refers to habitat that is critical to the survival of endangered species, populations or ecological communities. Areas of critical habitat are declared under Part 3 of the Threatened Species Conservation Act 1995 and Part 7A of the Fisheries Management Act 1994.
- (c) The land is not within a conservation area.
- (d) This land does not contain an item of environmental heritage under the protection of Blacktown Local Environmental Plan 1988.

## 3. COMPLYING DEVELOPMENT

Complying Development under the *General Housing Code* of the Codes SEPP may be carried out on the land.

Complying Development under the *Rural Housing Code* of the Codes SEPP may be carried out on the land.

Complying Development under the *Housing Alterations Code* of the Codes SEPP may be carried out on the land.

Complying Development under the *General Development Code* of the Codes SEPP may be carried out on the land.

Complying Development under the *Commercial and Industrial Alterations Code* of the Codes SEPP may be carried out on the land.

Complying Development under the *Commercial and Industrial (New Buildings and Additions) Code* of the Codes SEPP may be carried out on the land.

Complying Development under the *Subdivisions Code* of the Codes SEPP may be carried out on the land.

Complying Development under the *Demolition Code* of the Codes SEPP may be carried out on the land.

Complying Development under the *Fire Safety Code* of the Codes SEPP may be carried out on the land.

**Note:** Despite the above provisions, if only part of a lot is subject to an exclusion or exemption under Clause 1.17A or Clause 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 then complying development may be carried out on that part of the lot that is not affected by the exclusion or exemption.

**Disclaimer:** This information only addresses matters raised in Clauses 1.17A and 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008. It is your responsibility to ensure that you comply with the general requirements of the State Environmental Planning Policy (Exempt and Complying Codes) 2008. Failure to comply with these provisions may mean that a Complying Development Certificate issued under the provisions of State Environmental Planning Policy (Exempt and Complying Codes) 2008 is invalid.

#### **4. COASTAL PROTECTION**

The land is not affected by the operation of Sections 38 or 39 of the *Coastal Protection Act, 1979*.

#### **5. MINE SUBSIDENCE**

The land has not been proclaimed to be a mine subsidence district within the meaning of Section 15 of the *Mine Subsidence Compensation Act, 1961*.

#### **6. ROAD WIDENING AND ROAD REALIGNMENT**

Blacktown Local Environmental Plan 1988 and Blacktown Development Control Plan 2006 nominate preferred road patterns throughout the City.

The land is not affected by road widening/road realignment under Division 2 of Part 3 of the Roads Act 1993 and/or environmental planning instrument.

The land is affected by a road pattern.

#### **7. COUNCIL AND OTHER PUBLIC AUTHORITY POLICIES ON HAZARD RISK RESTRICTIONS**

Council has not adopted any policies to restrict the development of the land by reason of the likelihood of landslip, bushfire, tidal inundation, subsidence or the occurrence of acid sulphate soils. Although the Council has not adopted a specific policy to restrict development on bush fire prone land, it is bound by statewide bush fire legislation that may restrict development. In this regard, refer to point 11 below.

Council has adopted a policy on contaminated land which may restrict the development of this land. The land contamination policy applies when zoning or land use changes are proposed on land which has previously been used for certain purposes or has the potential to be affected by such purposes undertaken on nearby lands. Council's records may not be sufficient to determine all previous uses on the land, or determine activities that may have taken place on this land. Consideration of Council's policy and the application of provisions under the relevant State legislation and guidelines is necessary.

#### **7A. FLOOD RELATED DEVELOPMENT CONTROLS INFORMATION**

There are currently no mainstream or backwater flood-related development controls adopted by Council that apply to the land subject to this Certificate.

## **8. LAND RESERVED FOR ACQUISITION**

Clauses 17, 17A and 18 of Blacktown Local Environmental Plan 1988 provide for the acquisition of certain land zoned 5(a), 5(b), 5(c), 6(a) or 6(c) by a public authority.

## **9. CONTRIBUTIONS PLANS**

Council currently levies contributions under Section 94 of the EP&A Act 1979 for facilities and services. The further development of the subject land may incur such contribution.

This property is affected by Draft Section 94 Contributions Plan No 18 - Eastern Creek Stage 3.

## **9A. BIODIVERSITY CERTIFIED LAND**

The land has not been granted biodiversity certification within the meaning of the Threatened Species Conservation Act 1995.

## **10. BIOBANKING AGREEMENTS**

Council has not been notified of the existence of a biodiversity agreement under the Threatened Species Conservation Act 1995.

## **11. BUSH FIRE PRONE LAND**

The *Rural Fires and Environmental Assessment Legislation Amendment Act 2002*, which came into force on 1 August 2002, introduced development provisions for bush fire prone land as shown on a Bush Fire Prone Land Map. "Bush fire prone land" is land that has been designated by the Commissioner of the NSW Rural Fire Service as being bush fire prone due to characteristics of vegetation and topography. The land the subject of this certificate has been identified on Council's Bush Fire Prone Land Map as being:

**clear of any bush fire prone land**

On land that is bush fire prone, certain development may require further consideration under Section 79BA or Section 91 of the EP&A Act 1979 and under Section 100B of the *Rural Fires Act 1997*.

## **12. PROPERTY VEGETATION PLANS**

Land to which this Certificate applies is not subject to a Property Vegetation Plan under the provisions of the *Native Vegetation Act 2003*.

## **13. ORDERS UNDER TREES (DISPUTES BETWEEN NEIGHBOURS) ACT 2006**

Land to which this Certificate applies is not the subject of an order made under the *Trees (Disputes Between Neighbours) Act 2006*.



**14. DIRECTIONS UNDER PART 3A**

Land to which this Certificate applies is not subject to the above.

**15. SITE COMPATIBILITY CERTIFICATES AND CONDITIONS FOR SENIORS HOUSING**

Land to which this Certificate applies is not subject to the above.

**16. SITE COMPATIBILITY CERTIFICATES FOR INFRASTRUCTURE**

Land to which this Certificate applies is not subject to the above.

**17. SITE COMPATIBILITY CERTIFICATES AND CONDITIONS FOR AFFORDABLE RENTAL HOUSING**

Land to which this Certificate applies is not subject to the above.

**18. MATTERS ARISING UNDER THE CONTAMINATED LAND MANAGEMENT ACT 1997 AND CONTAMINATED LAND MANAGEMENT AMENDMENT ACT 2008**

- (a) The land to which this certificate relates has not been declared to be significantly contaminated land at the date when the certificate was issued.
- (b) The land to which the certificate relates is not subject to a management order at the date when the certificate was issued.
- (c) The land to which this certificate relates is not the subject of an approved voluntary management proposal at the date when the certificate was issued.
- (d) The land to which this certificate relates is not subject to an ongoing maintenance order as at the date when the certificate was issued.
- (e) The land to which this certificate relates is not the subject of a site audit statement provided to the Council.

**PART B**  
**ADDITIONAL INFORMATION PROVIDED PURSUANT TO**  
**SECTION 149(5) OF THE ENVIRONMENTAL PLANNING**  
**AND ASSESSMENT ACT 1979 (EP&A Act 1979)**

NOTE: When information pursuant to section 149(5) is requested the Council is under no obligation to furnish any of the information supplied herein pursuant to that section. Council draws your attention to section 149(6) which states that a Council shall not incur any liability in respect of any advice provided in good faith pursuant to sub-section (5). The absence of any reference to any matter affecting the land shall not imply that the land is not affected by any matter not referred to in this Certificate.

This advice is provided in accordance with Section 149(5) and 149(6) of the EP&A Act 1979:

The land is affected by a tree preservation control under Blacktown Local Environmental Plan 1988. A person shall not ringbark, cut down, lop, top, remove, injure or wilfully destroy any tree, or cause any tree to be ringbarked, cut down, topped, lopped, injured or wilfully destroyed, except with the consent of the Council.

The provisions of any covenant, agreement or instrument applying to this land purporting to restrict or prohibit certain development may be inconsistent with the provisions of a Regional Environmental Plan, State Environmental Planning Policy or Blacktown Local Environmental Plan 1988, in which case the provisions of any such covenant, agreement or instrument may be overridden.

The *Threatened Species Conservation Act 1995* provides for the conservation of threatened species, populations and ecological communities of animals and plants. The *Threatened Species Conservation Act* amended the *Environmental Planning and Assessment Act 1979* to require, amongst other things, that:-

- (a) a critical habitat (as defined in the *Threatened Species Conservation Act 1995*) be identified in environmental planning instruments;
- (b) consent authorities and determining authorities must, when considering proposed development or an activity, assess whether it is likely to significantly affect threatened species, populations and ecological communities, or their habitats, and, if a significant effect is likely, to require the preparation of a species impact statement in accordance with the requirements of the *Threatened Species Conservation Act 1995*;
- (c) consent authorities and determining authorities must, when considering proposed development or an activity, have regard to the relevant recovery plans and threat abatement plans; and
- (d) a regime for concurrence and consultation between consent authorities and determining authorities and the Minister administering the *Threatened Species Conservation Act 1995* or the Director-General of the National Parks and Wildlife be instructed to aid the assessment process under the *Environmental Planning & Assessment Act 1979*.

The *Commonwealth Environment Protection and Biodiversity Conservation Act 1999* provides protection for items of national significance. The Act requires a separate Commonwealth approval to be obtained where an action is likely to have significant impacts on items of national environmental significance. Items of national environmental significance include, amongst other things, nationally threatened animal and plant species and ecological communities. The Commonwealth Department of the Environment and Water Resources should be contacted for further advice.

General Manager

Per:  \_\_\_\_\_

**End of Certificate**

## APPENDIX VI CONTAMINATED LANDS SEARCH

---

**New South Wales Office:**

A. D. Envirotech Australia Pty Ltd  
Unit 4, 10-11 Millennium Court  
Silverwater, NSW 2128

**Queensland Office:**

A. D. Envirotech Australia Pty Ltd  
P.O. Box 288  
Upper Coomera, QLD 4209

**Telephone:**

NSW: (02) 9648 6669  
QLD: (07) 5519 4610

**Internet:**

site: [www.ADenvirotech.com.au](http://www.ADenvirotech.com.au)  
e-mail: [info@ADenvirotech.com.au](mailto:info@ADenvirotech.com.au)



You are here: [Home](#) > [Contaminated land](#) > [Record of notices](#)

## Search results

Your search for: LGA: Blacktown City Council

Matched 7 notices  
relating to 2 sites.

[Search Again](#)

[Refine Search](#)

Suburb	Address	Site Name	Notices related to this site
Kings Park	21 Tattersall Road	<a href="#">Former Dow Corning Sealants Factory</a>	1 current and 4 former
Seven Hills	27 Powers Road	<a href="#">Ma-Refine Oils Seven Hills</a>	2 current

Page 1 of 1

16 April 2014

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Offices  
Report pollution

NSW Government  
jobs.nsw

Accessibility  
Disclaimer  
Privacy  
Copyright

## APPENDIX VII DIAL BEFORE YOU DIG

---

**New South Wales Office:**

A. D. Envirotech Australia Pty Ltd  
Unit 4, 10-11 Millennium Court  
Silverwater, NSW 2128

**Queensland Office:**

A. D. Envirotech Australia Pty Ltd  
P.O. Box 288  
Upper Coomera, QLD 4209

**Telephone:**

NSW: (02) 9648 6669  
QLD: (07) 5519 4610

**Internet:**

site: [www.ADenvirotech.com.au](http://www.ADenvirotech.com.au)  
e-mail: [info@ADenvirotech.com.au](mailto:info@ADenvirotech.com.au)



# Network Protection

## Assets Affected

In reply to your enquiry, there are gas mains at the location of your intended work as per the attached map. For an explanation of the map, please see the key below. The following excavation guidelines apply.

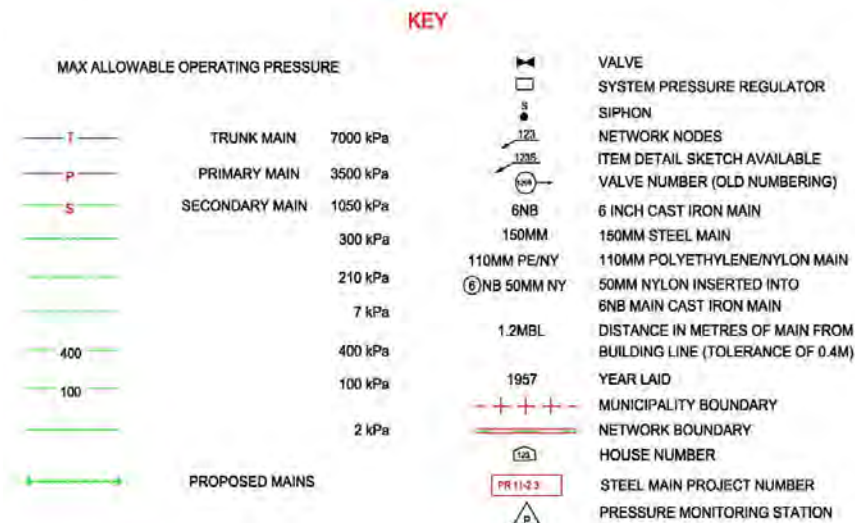
### Excavation Guidelines:

It is essential the location of gas pipe/s are confirmed by carefully pot-holing by hand excavation prior to proceeding with mechanical excavation in the vicinity of gas pipes. If you cannot locate the gas main, contact the local depot.

In accordance with clause 34(5) of the Gas Supply (Safety and Network Management) Regulation 2013 (NSW), you should be informed that all excavation, (including pot-holing by hand to confirm the location of pipes) should be performed in accordance with “**Work Near Underground Assets Guideline**” published in 2007 by the Work Cover Authority.

A copy of this Guideline is available at: [www.workcover.nsw.gov.au](http://www.workcover.nsw.gov.au)

DBYD Administration 1300 880 906

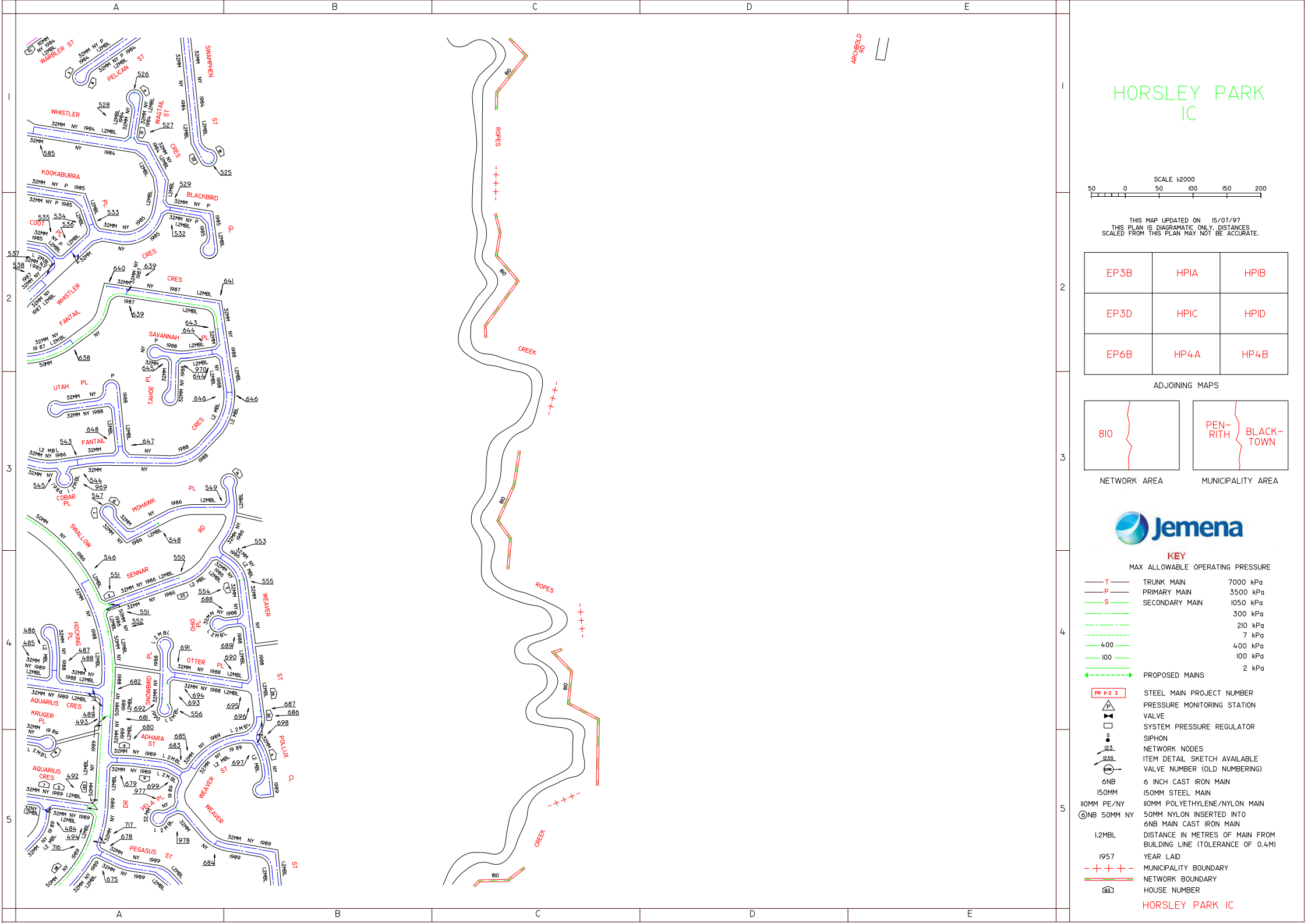


**Warning:** The enclosed plans show the position of Jemena Gas Networks (NSW) Ltd's underground gas mains and installations in public gazetted roads only. **Individual customers' services and services belonging to other third parties are not included** on these plans. These plans have been prepared solely for the use of Jemena Gas Networks (NSW) Ltd and Jemena Asset Management Pty Ltd (together “**Jemena**”) and any reliance placed on these plans by you is entirely at your own risk. The plans may show the position of underground mains and installations relative to fences, buildings etc., as they existed at the time the mains etc were installed. The plans may not have been updated to take account of any subsequent change in the location or style of those features since the time at which the plans were initially prepared. Jemena makes no warranty as to the accuracy or completeness of the enclosed plans and does not assume any duty of care to you nor any responsibility for the accuracy, adequacy, suitability or completeness of the plans or for any error, omission, lack of detail, transmission failure or corruption in the information provided. Jemena does not accept any responsibility for any loss that you or anyone else may suffer in connection with the provision of these plans, however that loss may arise (including whether or not arising from the negligence of Jemena, its employees, agents, officers or contractors). The recipient of these plans must use their own care and diligence in carrying out their works and must carry out further surveys to locate services at their work site. Persons excavating or carrying out other earthworks will be held responsible for any damage caused to Jemena's underground mains and equipment. In accordance with the Work Near Underground Assets Guideline published in 2007 by Work Cover Authority, Jemena recommends that you carry out pot-holing by hand to accurately confirm the location of gas mains and installation prior to commencing excavations.

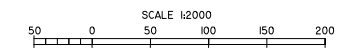
**In case of Emergency Phone 131 909 (24 hours)**

**Admin**  
**1300 880 906**

*Jemena Asset Management Pty Ltd ABN 53 086 013 461  
for and on behalf of Jemena Gas Networks (NSW) Ltd ABN 87 003 004 322*



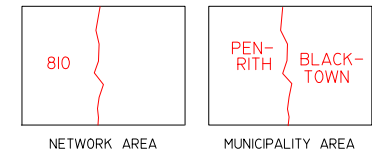
# HORSLEY PARK IC



THIS MAP UPDATED ON 15/07/97  
 THIS PLAN IS DIAGRAMATIC ONLY. DISTANCES  
 SCALED FROM THIS PLAN MAY NOT BE ACCURATE.

EP3B	HPIA	HPIB
EP3D	HPIC	HPID
EP6B	HP4A	HP4B

ADJOINING MAPS



## KEY

MAX ALLOWABLE OPERATING PRESSURE

	TRUNK MAIN	7000 kPa
	PRIMARY MAIN	3500 kPa
	SECONDARY MAIN	1050 kPa
		300 kPa
		210 kPa
		7 kPa
		400 kPa
		100 kPa
		2 kPa
	PROPOSED MAINS	

	STEEL MAIN PROJECT NUMBER
	PRESSURE MONITORING STATION
	VALVE
	SYSTEM PRESSURE REGULATOR
	SIPHON
	NETWORK NODES
	ITEM DETAIL SKETCH AVAILABLE
	VALVE NUMBER (OLD NUMBERING)
	6 INCH CAST IRON MAIN
	150MM STEEL MAIN
	110MM POLYETHYLENE/NYLON MAIN
	6NB MAIN CAST IRON MAIN
	50MM NYLON INSERTED INTO
	DISTANCE IN METRES OF MAIN FROM BUILDING LINE (TOLERANCE OF 0.4M)
	YEAR LAID
	MUNICIPALITY BOUNDARY
	NETWORK BOUNDARY
	HOUSE NUMBER

HORSLEY PARK IC



# Guide to reading Sydney Water DBYD Plans



## Legend

### Sewer

Sewer Main (with flow arrow & size type text)	
Disused Main	
Rising Main	
Maintenance Hole (with upstream depth to invert)	
Maintenance Hole with Overflow	
Ventshaft EDUCT	
Ventshaft INDUCT	
Property Connection Point (with chainage to downstream MH)	
Concrete Encased Section	
Terminal Maintenance Shaft	
Maintenance Shaft	
Rodding Point	
Lamphole	
Vertical	
Pumping Station	

### Pressure Sewer

Pressure Sewer Main	
Pump Unit (Alarm, Electrical Cable, Pump Unit)	
Property Valve Boundary Assembly	
Stop Valve	
Reducer / Taper	
Flushing Point	

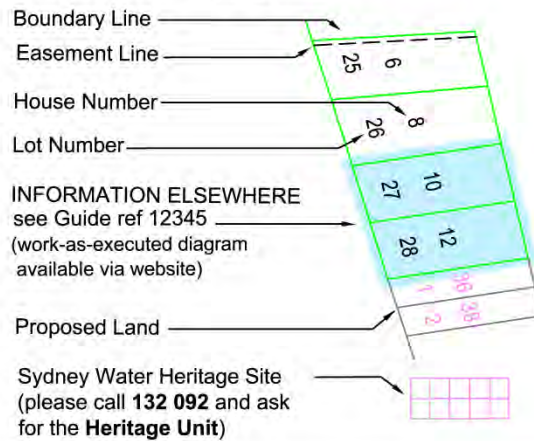
### Vacuum Sewer

Pressure Sewer Main	
Division Valve	
Vacuum Chamber	
Clean Out Point	

### Stormwater

Stormwater Pipe	
Stormwater Channel	
Stormwater Gully	
Stormwater Maintenance Hole	

### Property Details



### Water

WaterMain - Potable (with size type text)	
Disconnected Main - Potable	
Proposed Main - Potable	
Water Main - Recycled	
Special Supply Conditions - Potable	
Special Supply Conditions - Recycled	
Restrained Joints - Potable	
Restrained Joints - Recycled	
Hydrant	
Maintenance Hole	
Stop Valve	
Stop Valve with By-pass	
Stop Valve with Tapers	
Closed Stop Valve	
Air Valve	
Valve	
Scour	
Reducer / Taper	
Vertical Bends	
Reservoir	
Recycled Water is shown as per Potable above. Colour as indicated	

### Private Mains

Potable Water Main	
Recycled Water Main	
Sewer Main	
Symbols for Private Mains shown grey	

## Pipe Types

<b>ABS</b>	Acrylonitrile Butadiene Styrene	<b>AC</b>	Asbestos Cement
<b>BRICK</b>	Brick	<b>CI</b>	Cast Iron
<b>CICL</b>	Cast Iron Cement Lined	<b>CONC</b>	Concrete
<b>COPPER</b>	Copper	<b>DI</b>	Ductile Iron
<b>DICL</b>	Ductile Iron Cement (mortar) Lined	<b>DIPL</b>	Ductile Iron Polymeric Lined
<b>EW</b>	Earthenware	<b>FIBG</b>	Fibreglass
<b>FL BAR</b>	Forged Locking Bar	<b>GI</b>	Galvanised Iron
<b>GRP</b>	Glass Reinforced Plastics	<b>HDPE</b>	High Density Polyethylene
<b>IBL</b>	Internal Bitumen Lined	<b>MS</b>	Mild Steel
<b>MSCL</b>	Mild Steel Cement Lined	<b>PE</b>	Polyethylene
<b>PC</b>	Polymer Concrete	<b>PP</b>	Polypropylene
<b>PVC</b>	Polyvinylchloride	<b>PVC - M</b>	Polyvinylchloride, Modified
<b>PVC - O</b>	Polyvinylchloride, Oriented	<b>PVC - U</b>	Polyvinylchloride, Unplasticised
<b>RC</b>	Reinforced Concrete	<b>RC-PL</b>	Reinforced Concrete Plastics Lined
<b>S</b>	Steel	<b>SCL</b>	Steel Cement (mortar) Lined
<b>SGW</b>	Salt Glazed Ware	<b>SPL</b>	Steel Polymeric Lined
<b>SS</b>	Stainless Steel	<b>STONE</b>	Stone
<b>VC</b>	Vitrified Clay	<b>WI</b>	Wrought Iron
<b>WS</b>	Woodstave		

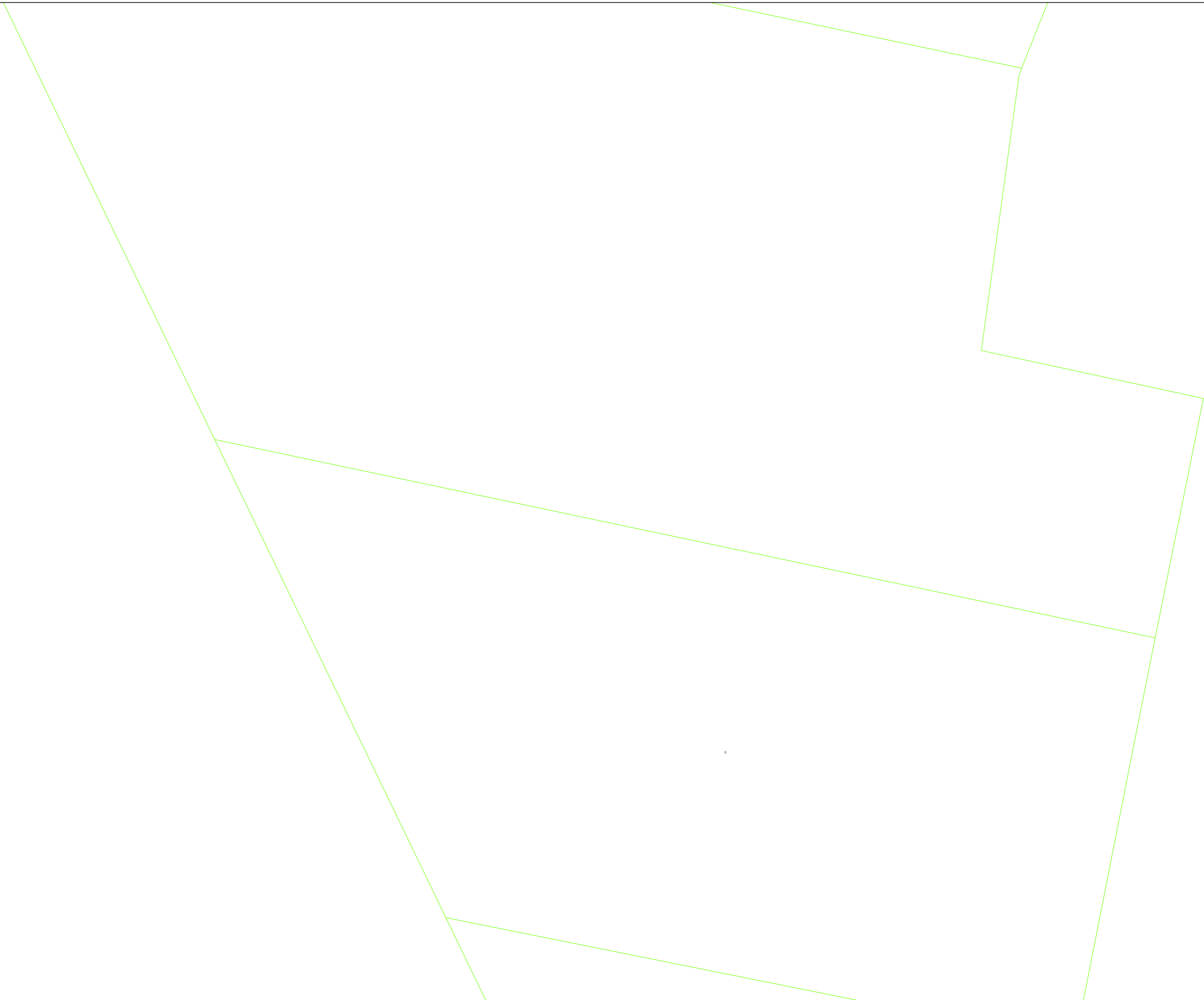
## Further Information

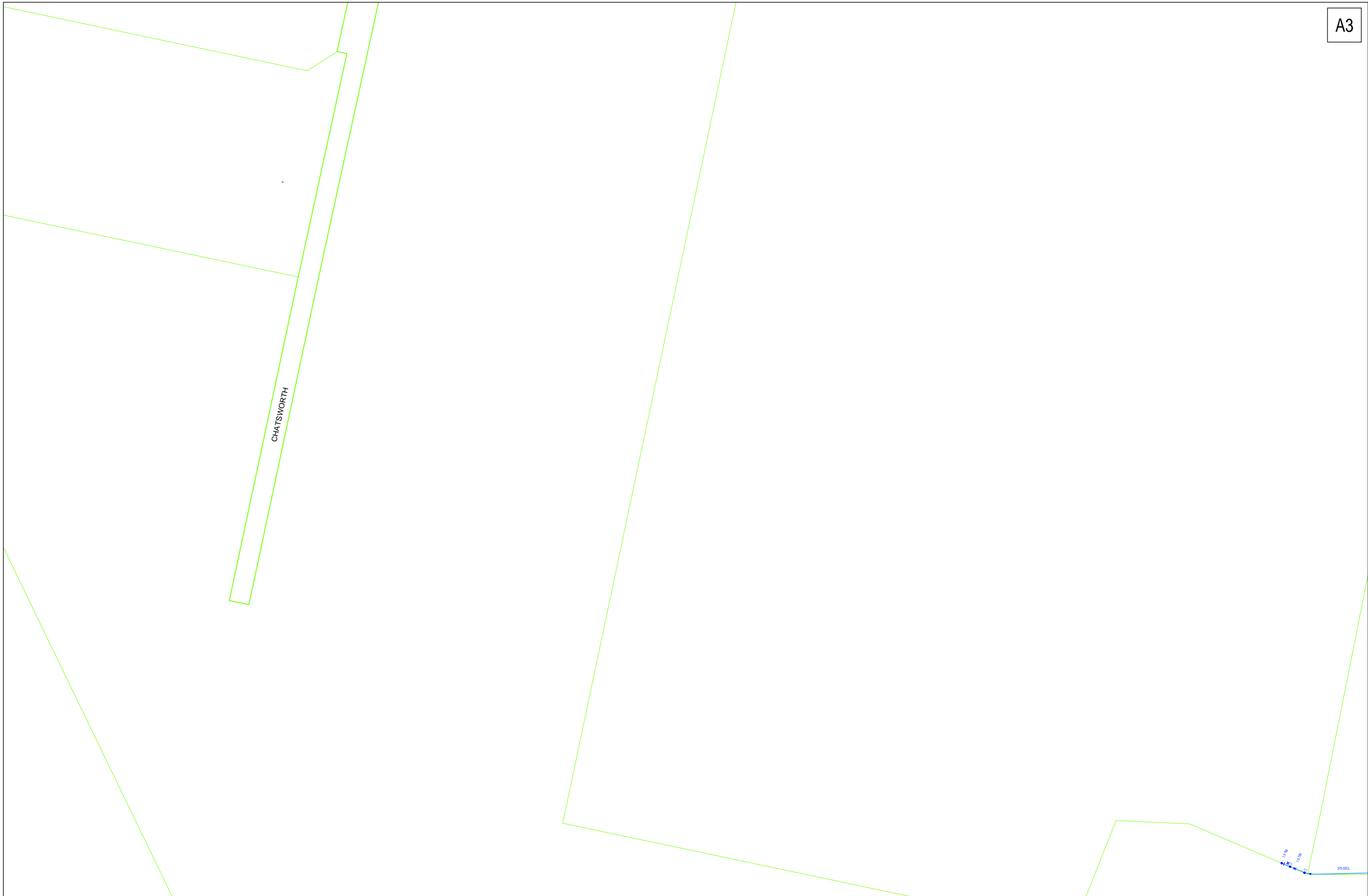
Please consult the [Dial Before You Dig enquiries](#) page on the Sydney Water website

For general enquiries please call the Customer Contact Centre on **132 092**

**In an emergency, or to notify Sydney Water of damage or threats to its structures, call 13 20 90 (24 hours, 7 days)**







Head Office: 51 Huntingwood Drive Huntingwood NSW 2148

## ENDEAVOUR ENERGY

### DBYD Underground Search Report

Date: 05/05/2014

DBYD Sequence No: 33834632

DBYD Job No: 7383476

To:	Mr Evan Webb	Company:	AD Envirotech
Address:	4 10 Millenium, Silverwater, NSW 2128		
Cust. ID:	1153777	Email:	e.webb@adenvirotech.com.au
Phone:	0296486669	Mobile:	0449960490
		Fax:	Not Supplied
Enquiry Location: Wonderland Drive, Eastern Creek, NSW 2766			

#### Our Search has shown that:

**NO UNDERGROUND CABLES ARE PRESENT** on our plans within the nominated enquiry location. However, in conjunction with the disclaimer as shown on our plan, persons are expected to exercise all due care especially in the vicinity of Padmount and Pole Substation, Transmission Poles and Towers as Underground Earth Grids may exist but are not shown on our plans.

#### **WARNING:**

The customer must obtain a new set of plans from Endeavour Energy if work has not been started or completed within twenty (20) working days of the original plan issue date.

**All electrical apparatus shall be regarded as live until proved de-energised.** Contact with live electrical apparatus will cause severe injury or death.

Those excavating near Endeavour Energy's cables should be aware that **ASBESTOS OR ASBESTOS-CONTAINING MATERIAL MAY BE PRESENT** in Endeavour Energy's underground assets and that Organo-Chloride Pesticides (OCP) may be present in some sub-transmission trenches.

**In accordance with the Electricity Supply Act 1995, YOU ARE OBLIGED TO REPORT ANY DAMAGE TO ENDEAVOUR ENERGY'S ASSETS IMMEDIATELY BY CALLING 131003.**

#### **NOTE:**

For the safety of our customers, plans are provided as a free service and if further clarification of information is required, call 02 9853 4161.

Endeavour Energy's assets are generally located in the road reserve. Endeavour Energy's plan does not show any underground customer service mains or information relating to service mains within private property.

All plans must be printed and made available at the worksite where excavation is to be undertaken. These plans must be reviewed and understood by the crew on site prior to excavation commencing.

The excavator must carry out work in accordance with the WorkCover Authority's 'Work Near Underground Asset Guideline'. This guideline can be downloading at [http://www.workcover.nsw.gov.au/formspublications/publications/Pages/WC01419\\_WorkNearUndergroundAssets.aspx](http://www.workcover.nsw.gov.au/formspublications/publications/Pages/WC01419_WorkNearUndergroundAssets.aspx)

If you are unable to print the plans, call 02 9853 4161 for assistance and arrange for plans to be collected from Head Office. Endeavour Energy does not mail the hard copy of plans.

**Endeavour Energy thanks you for your assistance in the protection of Critical Infrastructure and your DBYD enquiry**

## APPENDIX VIII WORKCOVER

---

**New South Wales Office:**

A. D. Envirotech Australia Pty Ltd  
Unit 4, 10-11 Millennium Court  
Silverwater, NSW 2128

**Queensland Office:**

A. D. Envirotech Australia Pty Ltd  
P.O. Box 288  
Upper Coomera, QLD 4209

**Telephone:**

NSW: (02) 9648 6669  
QLD: (07) 5519 4610

**Internet:**

site: [www.ADenvirotech.com.au](http://www.ADenvirotech.com.au)  
e-mail: [info@ADenvirotech.com.au](mailto:info@ADenvirotech.com.au)



Our Ref: D14/050150  
Your Ref: Evan Webb

24 April 2014

Attention: Evan Webb  
AD Envirotech Australia Pty Ltd  
4/10-11 Millenium Ct  
Silverwater NSW 2128

Dear Mr Webb,

**RE SITE: Lots 2 & 3 DP 1145808 Eastern Creek NSW**

I refer to your site search request received by WorkCover NSW on 17 April 2014 requesting information on licences to keep dangerous goods for the above site.

Enclosed are copies of the documents that WorkCover NSW holds on Dangerous Goods Licence 35/012865 relating to the storage of dangerous goods at the above-mentioned premises, as listed on the Stored Chemical Information Database (SCID).

If you have any further queries please contact the Dangerous Goods Licensing Team on (02) 4321 5500.

Yours Sincerely



Brent Jones  
Senior Licensing Officer  
Dangerous Goods Notification Team



ATF

Licence No. 35/012865

## APPLICATION FOR RENEWAL OF LICENCE TO KEEP DANGEROUS GOODS

ISSUED UNDER AND SUBJECT TO THE PROVISIONS OF THE DANGEROUS GOODS ACT, 1975 AND REGULATION  
THEREUNDER

**DECLARATION:** Please renew licence number 35/012865 to 29/11/2004. I confirm that all the licence details shown below are correct (amend if necessary).

Glenn Troy  
(Signature)

GLENN TROY  
(Please print name)

2/7/03  
(Date signed)

for: PIONEER CONSTRUCTION MATERIALS PTY LTD

**THIS SIGNED DECLARATION SHOULD BE RETURNED TO:**

WorkCover New South Wales                      Enquiries:ph (02) 43215500  
Dangerous Goods Licensing Section                      fax (02) 92875500  
LOCKED BAG 2906  
LISAROW NSW 2252

**Details of licence on 2 July 2003**

Licence Number 35/012865

Expiry Date 29/11/2003

Licensee PIONEER CONSTRUCTION MATERIALS PTY LTD ACN 009 679 734  
WALLGROVE QUARRY

Postal Address: WALLGROVE QUARRY P O BOX 3042 MOUNT DRUITT VILLAGE NSW 2770

Licencee Contact GLENN TROY ~~DAVID BOLTON (MANAGER)~~ Ph. 02 9625 0444 Fax. 02 9625 2435

**Premises Licensed to Keep Dangerous Goods**

PIONEER CONSTRUCTION MATERIALS PTY LTD WALLGROVE QUARRY  
LOT 11 OLD WALLGROVE RD EASTERN CREEK 2766

Nature of Site GRAVEL AND SAND QUARRYING

Major Supplier of Dangerous Goods VARIOUS

Emergency Contact for this Site ~~DAVID BOLTON~~ Ph. ~~0447 242 044~~

Site staffing 24 HRS 7 DAYS

GLENN TROY 0409 080 749

**Details of Depots**

Depot No.	Depot Type	Goods Stored in Depot	Qty
1	MAGAZINE	Class 1.1D	4000 KG
		UN 0042 BOOSTERS	200 NO.
		UN 0241 EXPLOSIVE, BLASTING, TYPE E	1000 KG
2	MAGAZINE	Class 1.1B	1100 NO.
		UN 0029 DETONATORS, NON-ELECTRIC	300 NO.
		UN 0360 DETONATOR ASSEMBLIES, NON-ELECTRIC	400 NO.
5	ABOVE-GROUND TANK	Class C1	100000 L
		UN 00C1 DIESEL	40000 L

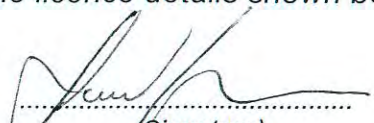


WorkCover New South Wales, 400 Kent Street, Sydney 2000. Tel: 9370 5000 Fax: 9370 5999 ALL MAIL TO G.P.O. BOX 5364 SYDNEY 2001  
Licence No. 35/012865

## APPLICATION FOR RENEWAL OF LICENCE TO KEEP DANGEROUS GOODS

ISSUED UNDER AND SUBJECT TO THE PROVISIONS OF THE DANGEROUS GOODS ACT, 1975 AND REGULATION THEREUNDER

**DECLARATION:** Please renew licence number 35/012865 to 29/11/2002 . I confirm that all the licence details shown below are correct (amend if necessary).

  
(Signature)  
for: PIONEER CONSTRUCTION MATERIALS PTY LTD

DAVID BOLTON  
(Please print name)

12/11/01  
(Date signed)

**THIS SIGNED DECLARATION SHOULD BE RETURNED TO: (please do not fax)**

WorkCover New South Wales  
Dangerous Goods Licensing Section  
GPO BOX 5364  
SYDNEY 2001

Enquiries: ph (02) 9370 5187  
fax (02) 9370 6104

**Details of licence on 31 October 2001**

Licence Number 35/012865                      Expiry Date 29/11/2001  
Licensee PIONEER CONSTRUCTION MATERIALS PTY LTD ACN 009 679 734  
WALGROVE QUARRY  
WALLGROVE ← 3042  
Postal Address: WALGROVE QUARRY BOX 742 P O MOUNT DRUITT VILLAGE NSW 2770  
Licensee Contact BILL PARMENTER (MANAGER) Ph. 02 9625 0444 Fax. 02 9625 2435  
DAVID BOLTON (MANAGER)  
Premises Licensed to Keep Dangerous Goods  
PIONEER CONSTRUCTION MATERIALS PTY LTD WALGROVE QUARRY  
LOT 11 OLD WALLGROVE RD EASTERN CREEK 2766

Nature of Site GRAVEL AND SAND QUARRYING  
Major Supplier of Dangerous Goods VARIOUS

Emergency Contact for this Site BILL PARMENTER (HOME) Ph. 02 4261 2249 DAVID BOLTON  
Ph: 0417 242 044.  
Site staffing 24 HRS 7 DAYS

**Details of Depots**

Depot No.	Depot Type	Goods Stored in Depot	Qty
1	MAGAZINE	Class 1.1D	4000 KG
		UN 0042 BOOSTERS	200 NO.
2	MAGAZINE	UN 0241 EXPLOSIVE, BLASTING, TYPE E	1000 KG
		Class 1.1B	1100 NO.
		UN 0029 DETONATORS, NON-ELECTRIC	300 NO.
5	ABOVE-GROUND TANK	UN 0360 DETONATOR ASSEMBLIES, NON-ELECTRIC	400 NO.
		Class C1	100000 L
		UN 00C1 DIESEL	40000 L

Workcover New South Wales, 400 Kent Street, Sydney 2000, Telephone 9370 5000 ALL MAIL TO G.P.O. BOX 5364 SYDNEY 2001.

35/012865

SCIENTIFIC SERVICES BRANCH

Dangerous Goods Licensing

ph. (02) 9370 5187 fax (02) 9370 6105

e-mail: scid@workcover.nsw.gov.au



Attn: FRANK CALABRIA

Licensee: PIONEER CONSTRUCTION MATERIALS PTY LTD ACN 009 679 734

LEVEL 5, 75 GEORGE ST  
PARRAMATTA NSW 2150

## LICENCE FOR THE KEEPING OF DANGEROUS GOODS

ISSUED UNDER AND SUBJECT TO THE PROVISIONS OF THE DANGEROUS GOODS ACT, 1975 AND REGULATIONS THEREUNDER

Licence Number 35/012865      Expiry Date 30/11/1999      No. of Depots 5

Licensee Contact FRANK CALABRIA Ph. 9354 2607 Fax. 9354 2699

Premises Licensed to Keep Dangerous Goods  
PIONEER CONSTRUCTION MATERIALS PTY LTD  
LOT 11 OLD WALLGROVE RD  
EASTERN CREEK 2766

Nature of Site GRAVEL AND SAND QUARRYING

Major Supplier of Dangerous Goods VARIOUS

Emergency Contact for this Site ~~MARTIN MENOLE Ph. 9625 5946~~

BILL PARMENTIER

0296250788  
025926630  
0242612249

Site staffing 24 HRS 7 DAYS

### Details of Depots

Depot No.	Depot Type	Goods Stored in Depot	Qty
1	MAGAZINE	Class 1.1D	4000 KG
		UN 0042 BOOSTERS	200 NO.
		UN 0241 EXPLOSIVE, BLASTING, TYPE E	1000 KG
2	MAGAZINE	Class 1.1B	1100 NO.
		UN 0029 DETONATORS, NON-ELECTRIC	300 NO.
		UN 0360 DETONATOR ASSEMBLIES, NON-ELECTRIC	400 NO.
3	UNDERGROUND TANK	Class 3 — <del>DELETE</del>	15000 L
		UN 1203 PETROL	14700 L
4	UNDERGROUND TANK	Class 3 — <del>DELETE</del>	15000 L
		UN 1203 PETROL	14000 L
5	ABOVE-GROUND TANK	Class C1	100000 L

THESE TWO TANKS (3 AND 4) HAVE BEEN REMOVED FROM SITE.

*Agreement*

PLEASE RETAIN AS PROOF OF LICENCE -  
Issued by Workcover Authority of New South Wales on 29 January 1999

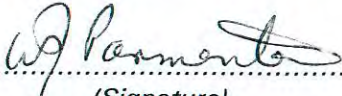
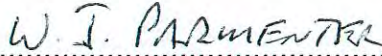
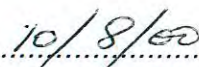


**\*\* REMINDER NOTICE \*\***

**APPLICATION FOR RENEWAL  
OF LICENCE TO KEEP DANGEROUS GOODS**

ISSUED UNDER AND SUBJECT TO THE PROVISIONS OF THE DANGEROUS GOODS ACT, 1975 AND REGULATION THEREUNDER

*DECLARATION: Please renew licence number 35/012865 to 2001/2002 . I confirm that all the licence details shown below are correct (amend if necessary).*




  
 (Signature) (Please print name) (Date signed)

for: PIONEER CONSTRUCTION MATERIALS PTY LTD

**THIS SIGNED DECLARATION SHOULD BE RETURNED TO:**

WorkCover New South Wales  
Dangerous Goods Licensing Section  
GPO BOX 5364  
SYDNEY 2001

Enquiries: ph (02) 9370 5187  
fax (02) 9370 6104

Details of licence on 8 August 2000

Licence Number 35/012865 Expiry Date 30/11/1999 No. of Depots 3

Licensee PIONEER CONSTRUCTION MATERIALS PTY LTD ACN 009 679 734  
WALGROVE QUARRY

Postal Address: WALGROVE QUARRY BOX V42 P O MOUNT DRUITT VILLAGE NSW 2770

Licensee Contact BILL PARMENTER(MANAGER) Ph. 02 9625 0444 Fax. 02 9625 2435

Premises Licensed to Keep Dangerous Goods  
PIONEER CONSTRUCTION MATERIALS PTY LTD WALGROVE QUARRY  
LOT 11 OLD WALLGROVE RD  
EASTERN CREEK 2766

Nature of Site GRAVEL AND SAND QUARRYING

Major Supplier of Dangerous Goods VARIOUS

Emergency Contact for this Site BILL PARMENTER (HOME) Ph. 02 4261 2249 - 0407926630

Site staffing 24 HRS 7 DAYS

Details of Depots

Depot No.	Depot Type	Goods Stored in Depot	Qty
1	MAGAZINE	Class 1.1D	4000 KG
		UN 0042 BOOSTERS	200 NO.
		UN 0241 EXPLOSIVE, BLASTING, TYPE E	1000 KG
2	MAGAZINE	Class 1.1B	1100 NO.
		UN 0029 DETONATORS, NON-ELECTRIC	300 NO.
		UN 0360 DETONATOR ASSEMBLIES, NON-ELECTRIC	400 NO.
5	ABOVE-GROUND TANK	Class C1	100000 L
		UN 00C1 DIESEL	40000 L

# Application for Licence to Keep Dangerous Goods



OVER  
WALES

Application for  new licence  amendment  transfer  renewal of expired licence

EXPIRY: 30.11.99

## PART A - Applicant and site information

See page 2 of Guidance Notes.

Name of applicant ACN  
Pioneer Construction Materials Pty Limited 009 679 734

Postal address of applicant Suburb/Town Postcode  
Lvl 5, 75 George Street Parramatta 2150

Trading name or site occupier's name  
~~Pioneer Construction Materials Pty Limited~~

Contact for licence inquiries  
Phone Fax Name  
(02) 9354 2607 (02) 9354 2699 Frank Calabria

Previous licence number (if known) 35/012865

Previous occupier (if known) Pioneer Concrete (NSW) Pty Ltd

Site to be licensed  
No Street Lot 11.  
Old Wallgrove Road

Suburb / Town Postcode  
Eastern Creek 2766

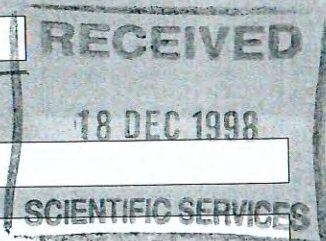
Main business of site Gravel & Sand quarrying

Site staffing: Hours per day  24 Days per week  7

Site emergency contact  
Phone Name  
 9625 5946 Martin Menole

Major supplier of dangerous goods Various

If a new site or for amendments to depots - see page 4 of Guidance Notes.  
Plan stamped by: Name of Accredited Consultant Date stamped



I certify that the details in this application (including any accompanying computer disk) are correct and cover all licensable quantities of dangerous goods kept on the premises.

Signature of applicant Printed name Date  
*Frank Calabria* FRANK CALABRIA 1/12/98

Please send your application, marked **CONFIDENTIAL**, to:  
**Dangerous Goods Licensing, Level 3, Locked Bag 10, Clarence Street,  
SYDNEY NSW 2000**

ATF

# Application for Licence to Keep Dangerous Goods



Application for  new licence  amendment  transfer  renewal of expired licence

Exp date 30/1/98

## PART A - Applicant and site information See page 2 of Guidance Notes.

1 Name of applicant ACN  
PIONEER CONCRETE NSW Pty Ltd 000 301 879

2 Postal address of applicant Suburb/Town Postcode  
Box V42 P.O. Mt Druitt Mt Druitt 2770

3 Trading name or site occupier's name  
PIONEER CONCRETE NSW P/L

4 Contact for licence inquiries  
Phone Fax Name  
02) 9625-3030 02) 9832 1026 Dennis Dobson

5 Previous licence number (if known) 35/ 012865

6 Previous occupier (if known) Same

7 Site to be licensed  
No Street  
(Lot 11) Old Wallgrove Road

Suburb / Town Postcode  
Eastern Creek 2766

8 Main business of site Gravel & Sand Quarrying 31.8.98 Licence Issued

9 Site staffing: Hours per day 10 Days per week 6

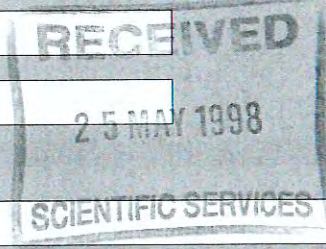
10 Site emergency contact  
Phone Name  
02) 9625-3030 Dennis Dobson

11 Major supplier of dangerous goods AMPOL

12 If a new site or for amendments to depots - see page 4 of Guidance Notes.  
Plan stamped by: Name of Accredited Consultant Date stamped  
Barry Biné 18/5/98

I certify that the details in this application (including any accompanying computer disk) are correct and cover all licensable quantities of dangerous goods kept on the premises.

13 Signature of applicant Printed name Date  
 DENNIS DOBSON 21.5.98.



Please send your application, marked CONFIDENTIAL, to:  
**Dangerous Goods Licensing, Level 3, Locked Bag 10, Clarence Street, SYDNEY NSW 2000**

What is a depot? See page 5 of the Guidance Notes.

**PART C - Dangerous Goods Storage** Complete one section per depot.

If you have more depots than the space provided, photocopy sufficient sheets first.

*to add*

Depot Number	Type of depot (see page 5)	Depot Class	Maximum storage capacity
5	Above Ground Tank	B C1	100 000 L

UN Number	Proper Shipping Name	PG Class (I, II, III)	Product or common name	Typical quantity	Unit, e.g. L, kg, m <sup>3</sup>
1202	DIESEL FUEL	3 C1	DIESEL	40000	L

Depot Number	Type of depot (see page 5)	Depot Class	Maximum storage capacity

UN Number	Proper Shipping Name	PG Class (I, II, III)	Product or common name	Typical quantity	Unit, e.g. L, kg, m <sup>3</sup>

Depot Number	Type of depot (see page 5)	Depot Class	Maximum storage capacity

UN Number	Proper Shipping Name	PG Class (I, II, III)	Product or common name	Typical quantity	Unit, e.g. L, kg, m <sup>3</sup>

Depot Number	Type of depot (see page 5)	Depot Class	Maximum storage capacity

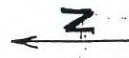
  

UN Number	Proper Shipping Name	PG Class (I, II, III)	Product or common name	Typical quantity	Unit, e.g. L, kg, m <sup>3</sup>



Site Sketch

35 / 012865



TO BRIDGEMAN

MA FREEWAY

TO PONDIA

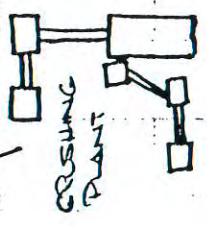
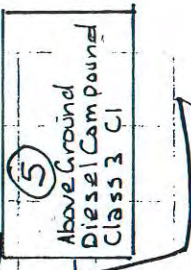
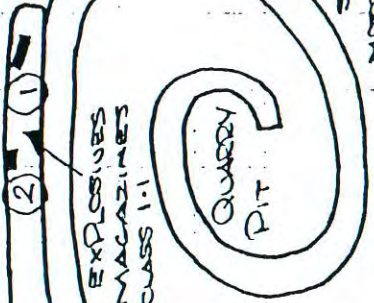
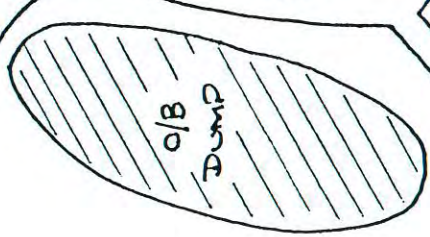
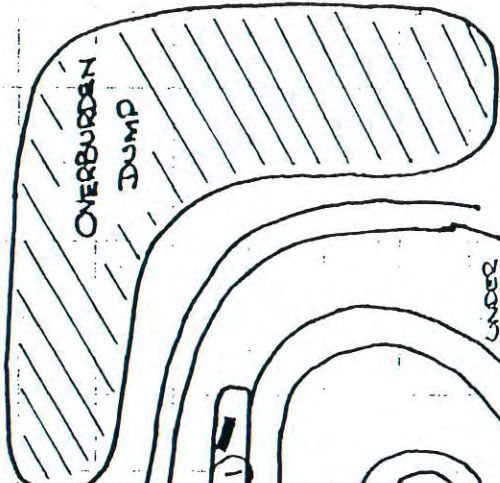
RURAL LANDS

RURAL LANDS

Accuboid Road

RURAL LANDS

SCALE = 1:10,000

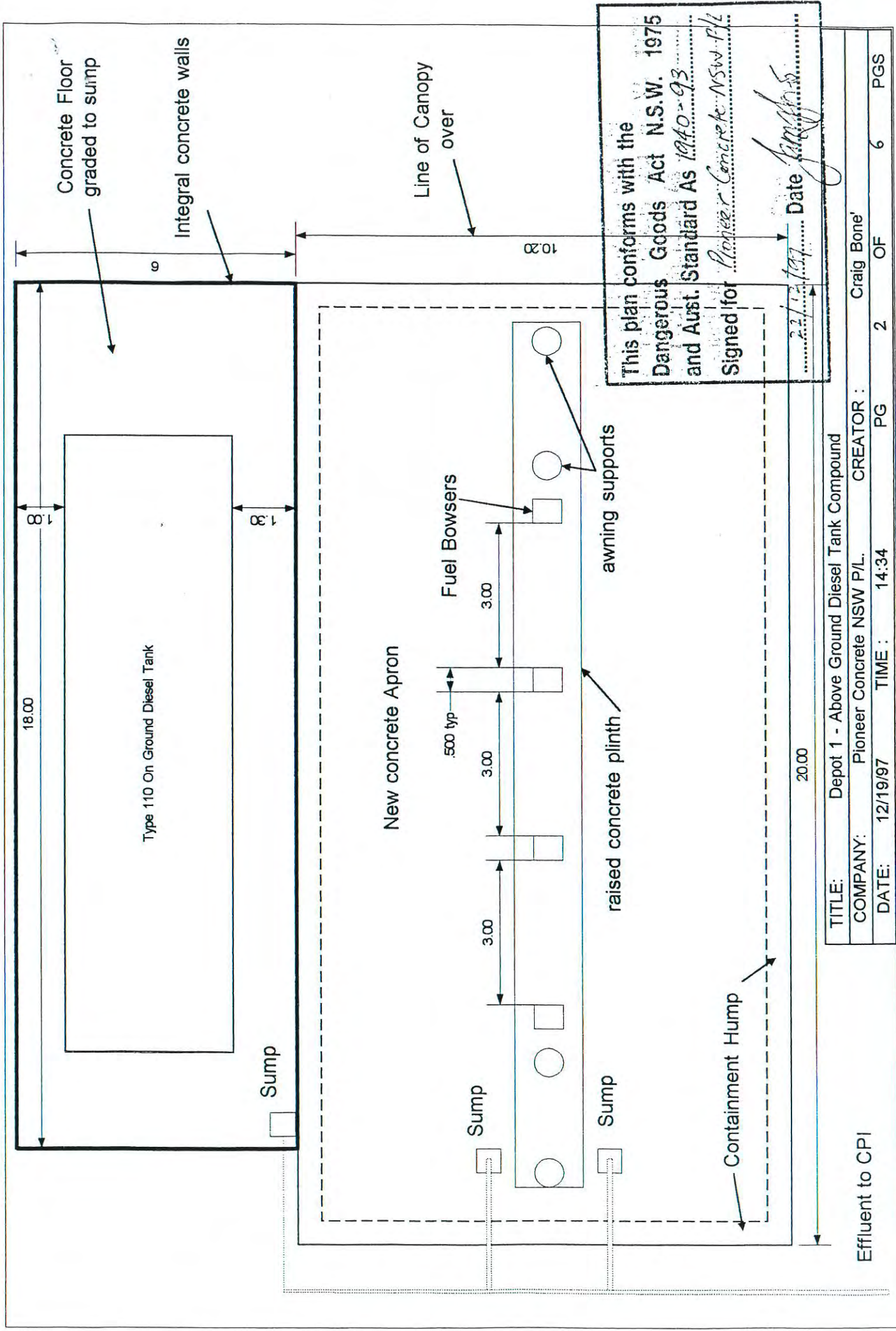


MAIN GATE

to Old Wallgrove

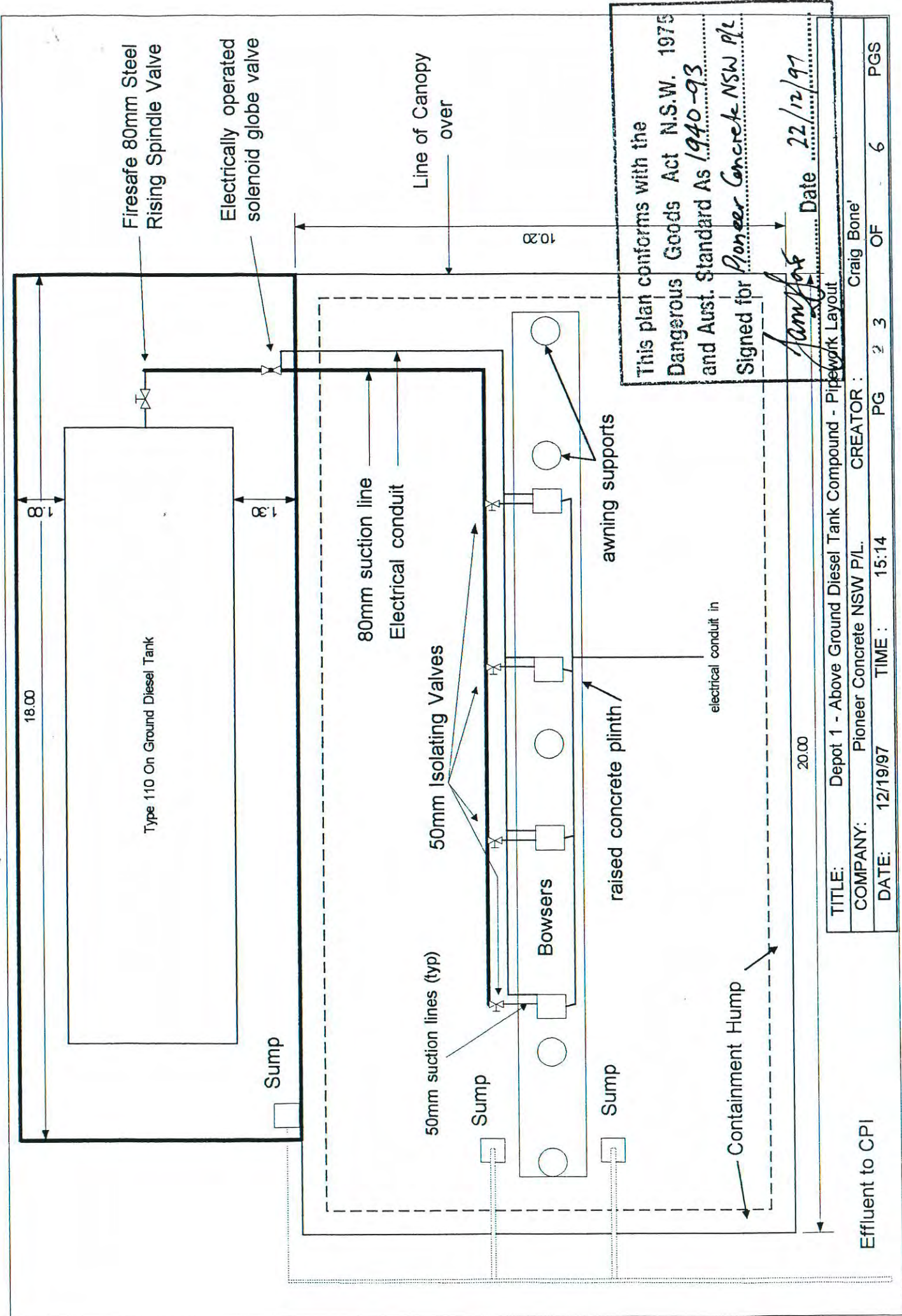
1/6

Pioneer Concrete NSW P/L  
Lot 11 Old Wallgrove Rd Eastern Creek



This plan conforms with the Dangerous Goods Act N.S.W. 1975 and Aust. Standard AS 1940-93  
 Signed for *Pioneer Concrete NSW P/L*  
 Date *23/12/97*

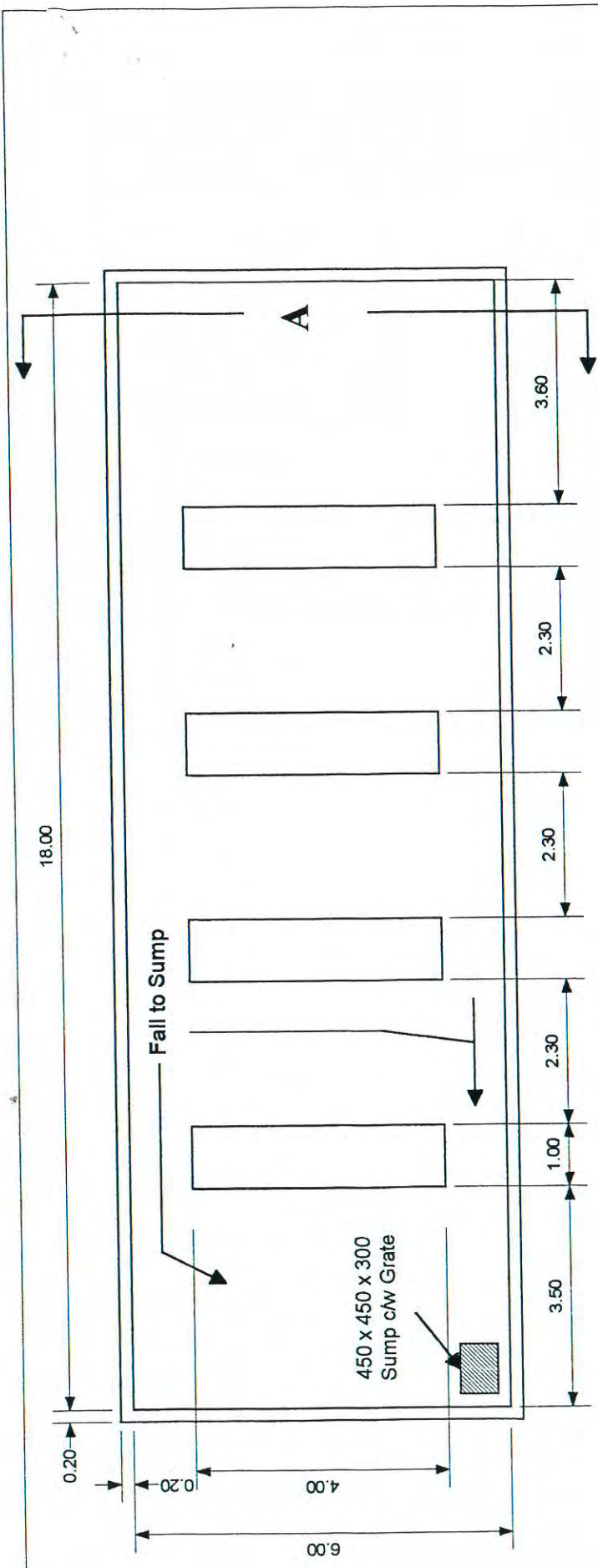
TITLE:	Depot 1 - Above Ground Diesel Tank Compound	CREATOR:	Craig Bone
COMPANY:	Pioneer Concrete NSW P/L.	PG	2
DATE:	12/19/97	TIME:	14:34
Effluent to CPI		OF	6
		PGS	6



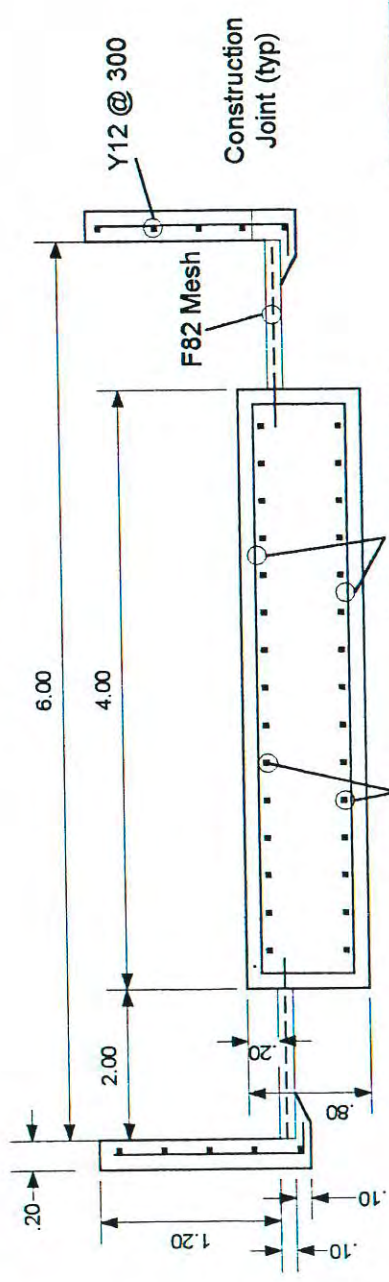
This plan conforms with the  
 Dangerous Goods Act N.S.W. 1975  
 and Aust. Standard AS 1940-93  
 Signed for *Pioneer Concrete NSW P/L*  
*[Signature]* Date *22/12/97*

TITLE:	Depot 1 - Above Ground Diesel Tank Compound - Piping Layout
COMPANY:	Pioneer Concrete NSW P/L. CREATOR: Craig Bone'
DATE:	12/19/97 TIME: 15:14
PG	2 3 OF 6 PGS

Effluent to CPI

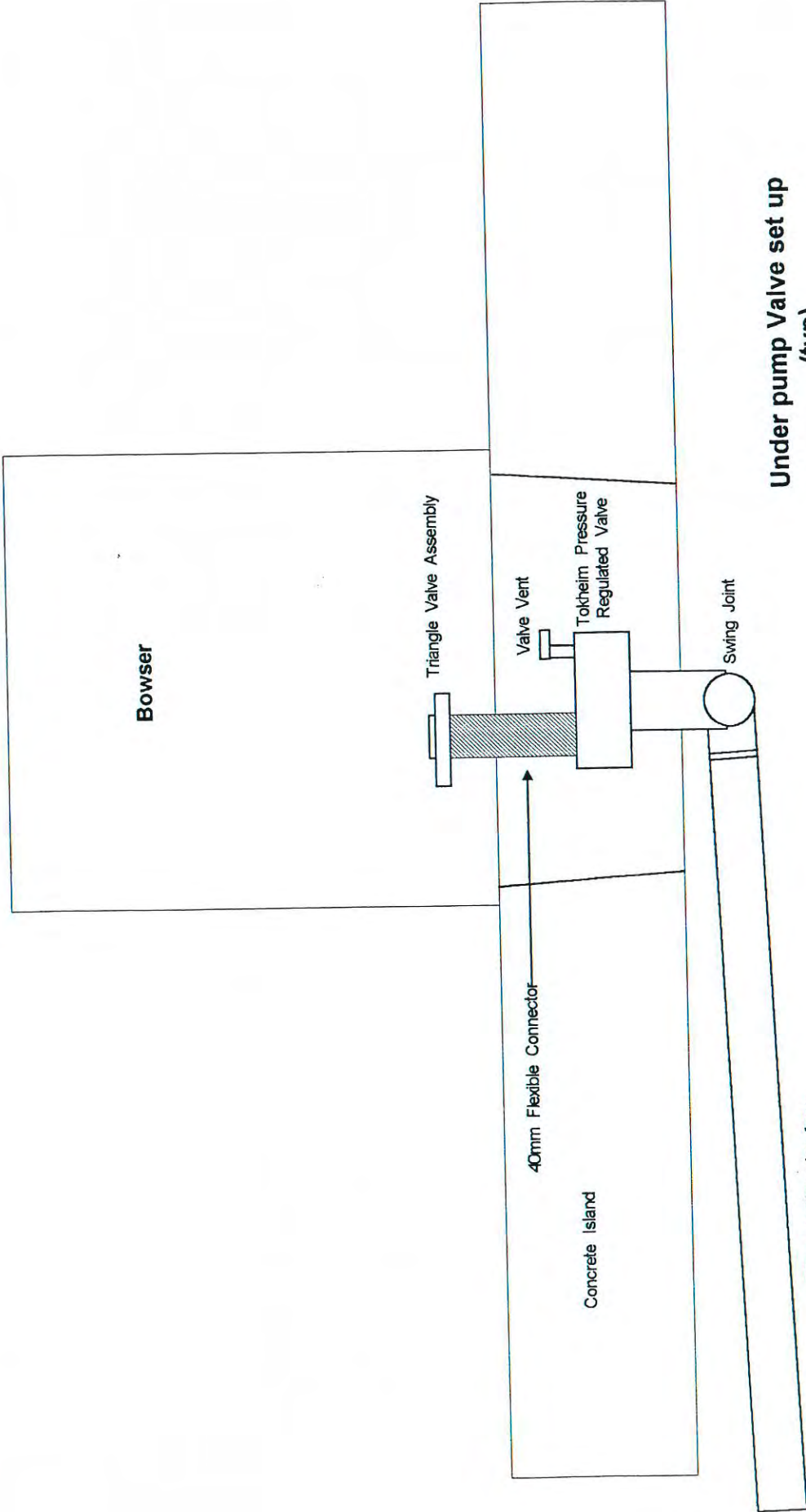


Plan View  
Scale 1:100



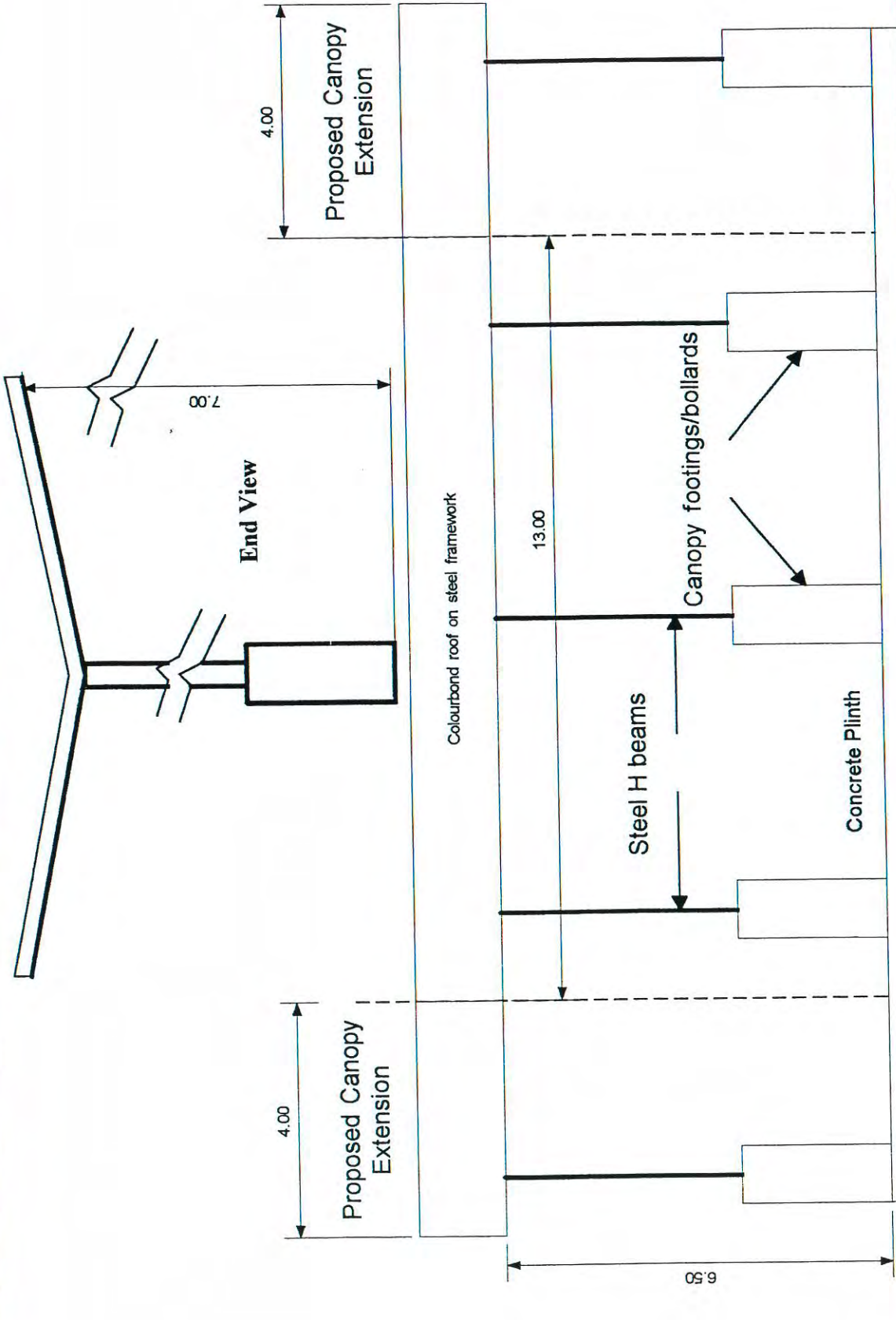
Section A.  
Scale 1:50

TITLE Pioneer Concrete (NSW) Pty Ltd		DRAWN BY Barry Bone'	
DESCRIPTION Wallgrove Fuel Facility - Slab details		PAGE 4 of 6	
DATE 24/11/97	SCALE 1:100 / 1:50		



Under pump Valve set up  
(typ).

TITLE:	Depot 1 - Above Ground Diesel Tank - Under pump Pressure Regulator Valve				
COMPANY:	Pioneer Concrete NSW P/L.	CREATOR:	Craig Bone'		
DATE:	12/19/97	TIME:	18:01	PG	5 OF 6 PGS



Side View

TITLE Pioneer Concrete NSW Pty Ltd		DRAWN BY Barry Bone	
DESCRIPTION Wallgrove Fuel Facility - Canopy Extension		PAGE 6 of 6	
DATE 24/11/97	SCALE 1:100		



Reference

## APPLICATION FOR RENEWAL OF LICENCE TO KEEP DANGEROUS GOODS

ISSUED UNDER AND SUBJECT TO THE PROVISIONS OF THE DANGEROUS GOODS ACT, 1975 AND REGULATION THEREUNDER

**DECLARATION:** *Please renew licence number 35/012865 to 1997. I confirm that all the licence details shown below are correct (amend if necessary).*

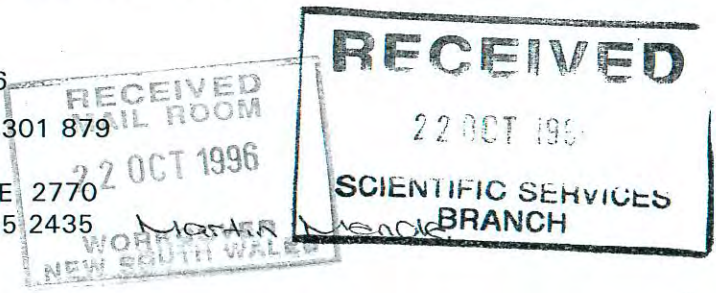
.....  
 (Signature) MARTIN MENDE 17.10.96  
 .....  
 (Please print name) (Date signed)  
 for: PIONEER CONCRETE (NSW) P/L

**THIS SIGNED DECLARATION SHOULD BE RETURNED TO:**

WorkCover New South Wales  
 Dangerous Goods Licensing Section (Level 3)  
 Locked Bag 10  
 P O CLARENCE STREET 2000

**Details of licence on 14 October 1996**

**Licence Number** 35/012865      **Expiry Date** 30/11/96  
**Licensee** PIONEER CONCRETE (NSW) P/L      ACN 000 301 879  
**Postal Address** BOX V42 P O, MOUNT DRUITT VILLAGE 2770  
**Licensee Contact** ~~Greg Leghissa~~ Ph. 625 5946 Fax. 625 2435  
**Premises Licensed to Keep Dangerous Goods**  
 OLD WALLGROVE RD  
 EASTERN CREEK 2766



**Nature of Site** CONSTRUCTION MATERIALS NEC - Mining      **Major Supplier of Dangerous Goods** VARIOUS  
**Emergency Contact for this Site** Bob Graham/Martin Mende ph. 625 5946  
**Site staffing** 24 hrs 7 days

**Details of Depots**

Depot No.	Depot Type	Goods Stored in Depot	Qty
1	MAGAZINE	Class 1.1d UN 0241 EXPLOSIVES BLASTING TY UN 0042 BOOSTERS	4000 kg 1000 kg 200 No.
2	MAGAZINE	Class 1.1b UN 0360 DETONATOR ASSEMBLIES, UN 0029 DETONATORS, NON-ELECTR	1100 No. 400 No. 300 No.
3	UNDERGROUND TANK	Class 3 UN 1203 PETROL	15000 L 14700 L
4	UNDERGROUND TANK	Class 3 UN 1203 PETROL	15000 L 14000 L





# WORKCOVER AUTHORITY

## LICENCE TO KEEP DANGEROUS GOODS

(Dangerous Goods Act 1975)

### Application for ~~new licence~~, amendment ~~or transfer~~

1. Name of applicant	PIONEER CONCRETE (NSW) PTY LTD		ACN	000-301-879
2. Site to be licensed	No	Street		
	None	OLD WANGRIDGE RD		
	Suburb/Town		Postcode	
	EASTERN CREEK		2710	
3. Previous licence number (if known)	35/012865			
4. Nature of site	Hard Rock Quarry & Crushing Plant			
5. Emergency contact on site:	Phone	Name		
	(02) 625 5916	BOB GRANALL	MARTIN MENDE	
6. Site staffing:	Hours per day	Days per week		
+ SECURITY	24	7		
7. Major supplier of dangerous goods	ICI + AMPOL LTD.			
8. If new site or significant modification	Plan stamped by:	Accredited consultant's name:	Date stamped	
	N/A	N/A	N/A	
9. Number of dangerous goods depots at site	4			
10. Trading name or occupier's name	Pioneer Concrete (NSW) Pty Ltd			
11. Postal address of applicant	Suburb/Town		Postcode	
	PO Box 142		Mt Druitt Village 2710	
12. Contact for licence enquiries:	Phone	Fax	Name	
	(02) 625 5916	(02) 625 2435	MARTIN MENDE	
13. Signature of applicant	[Signature]		Date	23-10-95

**RECEIVED**  
25 OCT 1995  
SCIENTIFIC SERVICES  
BRANCH

**DATA**  
30 OCT 1995  
**ENTER**

Please complete attached site sketch, depot listing and check sheet (if required) and return to WorkCover Authority in envelope provided.

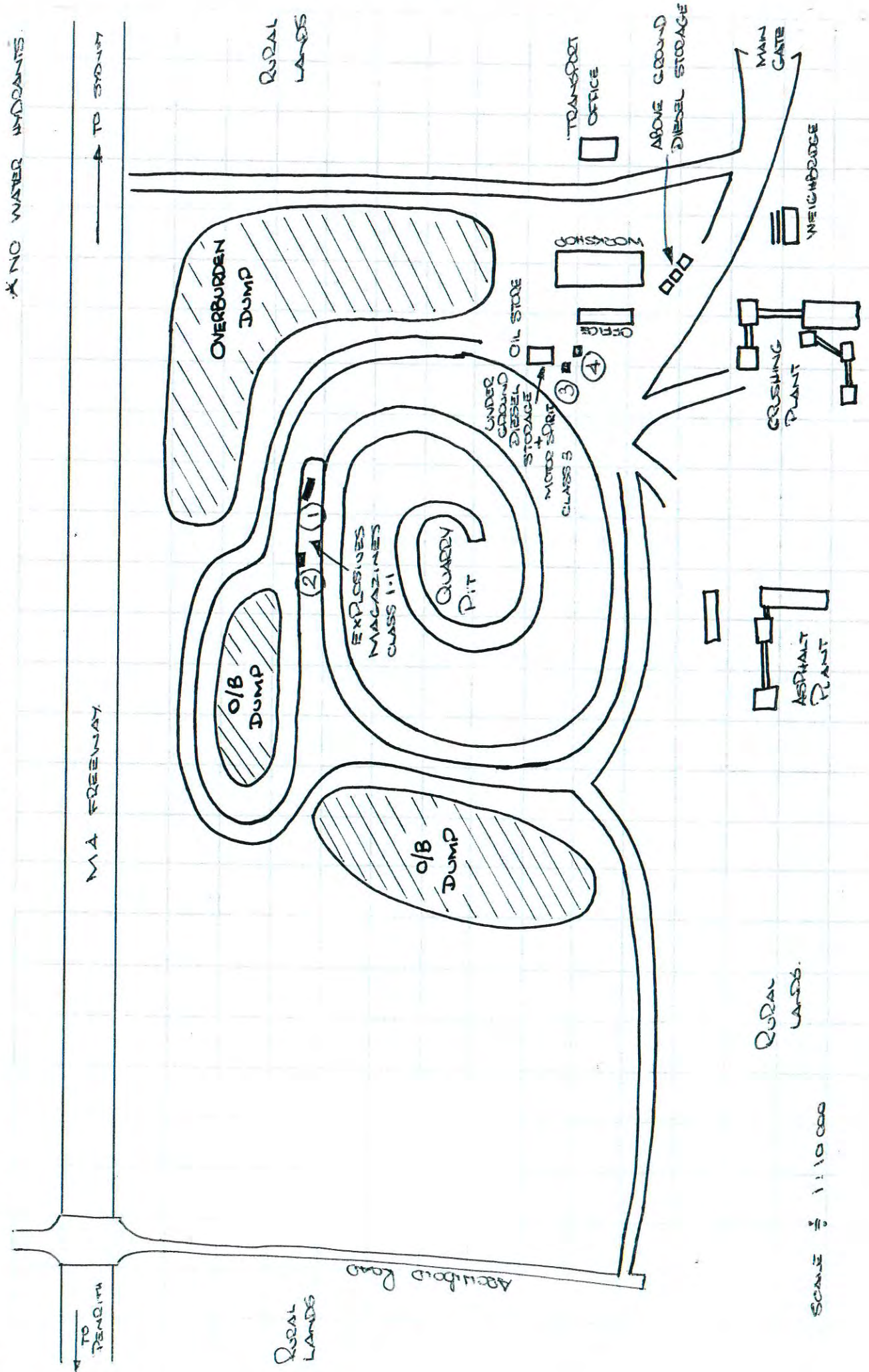
31 OCT 1995  
[Signature] Form DG1



# PART B

## Site Sketch

Please carefully read the instructions in Part B of the guide before sketching the site.



SCALE = 1:10,000

RURAL LANDS

Complete 1 section per depot

If you have more depots than the space provided, photocopy sufficient sheets first.

Depot number	Type of depot	Class			Licensed maximum storage capacity
1	EXPLOSIVE MAGAZINE	1.1			4000 kg

UN number	Shipping name	Pkg. Class	Group	EPG	Product or common name	Typical quantity	Uniteg. L, kg, m <sup>3</sup>
0241	EXPLOSIVE Blasting T.M.E	1.1D	N/A	N/A	Powder Magazine	1000	kg
0042	BOOSTERS w/out Detonators	1.1D	N/A	N/A	Primers	200	units

Depot number	Type of depot	Class			Licensed maximum storage capacity
<del>2</del>	<del>Explosive Magazine</del>	<del>1.1</del>			<del>4000 kg</del>

UN number	Shipping name	Pkg. Class	Group	EPG	Product or common name	Typical quantity	Uniteg. L, kg, m <sup>3</sup>
<del>0241</del>	<del>Explosive Blasting T.M.E</del>	<del>1.1D</del>	<del>N/A</del>	<del>N/A</del>	<del>Powder Magazine</del>		
<del>0042</del>	<del>BOOSTERS w/out Detonators</del>	<del>1.1D</del>	<del>N/A</del>	<del>N/A</del>	<del>Primers</del>		

Depot number	Type of depot	Class			Licensed maximum storage capacity
3	UNDERGROUND TANK	3			15 000 Litres

UN number	Shipping name	Pkg. Class	Group	EPG	Product or common name	Typical quantity	Uniteg. L, kg, m <sup>3</sup>
1203	MOTOR SPIRIT	3	II	Y5	UNLEADED Petrol	14 700	L

Depot number	Type of depot	Class			Licensed maximum storage capacity
4	UNDERGROUND TANK	3			15000 Litres.

UN number	Shipping name	Pkg. Class	Group	EPG	Product or common name	Typical quantity	Uniteg. L, kg, m <sup>3</sup>
1203	MOTOR SPIRIT	3	II	Y5	UNLEADED Petrol	14 000	L



PART A  
SCIENTIFIC SERVICES  
BRANCH  
30 JUN 1993  
DANGEROUS  
GOODS

Comer  
**X**

# WORKCOVER AUTHORITY

## LICENCE TO KEEP DANGEROUS GOODS

(Dangerous Goods Act 1975)

30/11/95 ✓  
**Application for new licence, amendment or transfer**

1. Name of applicant		ACN
PIONEER CONCRETE (NSW) PTY. LTD.		000-301-879
2. Site to be licensed		
No	Street	
NONE	OLD WALLGROVE ROAD.	
Suburb/Town		Postcode
EASTERN CREEK		2770
3. Previous licence number (if known) 35/012865		
4. Nature of site HARD ROCK QUARRY + CRUSHING PLANT. * 1404		
5. Emergency contact on site:		
Phone	Name	
(02) 625 5946	BOB CRAWHAM / GREG LEHISSA.	
6. Site staffing:	Hours per day	Days per week
+SECURITY.	24	7
7. Major supplier of dangerous goods ICI + AMPOL LTD.		
8. If new site or significant modification		
Plan stamped by:	Accredited consultant's name:	28 JUN Date stamped
	N/A	N/A
9. Number of dangerous goods depots at site 6		
10. Trading name or occupier's name		
PIONEER CONCRETE (NSW) PTY. LTD.		
11. Postal address of applicant		Suburb/Town Postcode
P.O. BOX V42		MT DROTT VILLAGE 2770
12. Contact for licence enquiries:		
Phone	Fax	Name
(02) 625 5946	(02) 625 2435	GREG LEHISSA.
I certify that the details contained in this application (or the accompanying computer disk) are true and correct		
13. Signature of applicant		Date
		23/6/93

Please complete attached site sketch, depot listing and check sheet (if required) and return to WorkCover Authority in envelope provided.

Sent NT 28/6/93.

Site Sketch

Please carefully read the instructions in Part B of the guide before sketching the site.

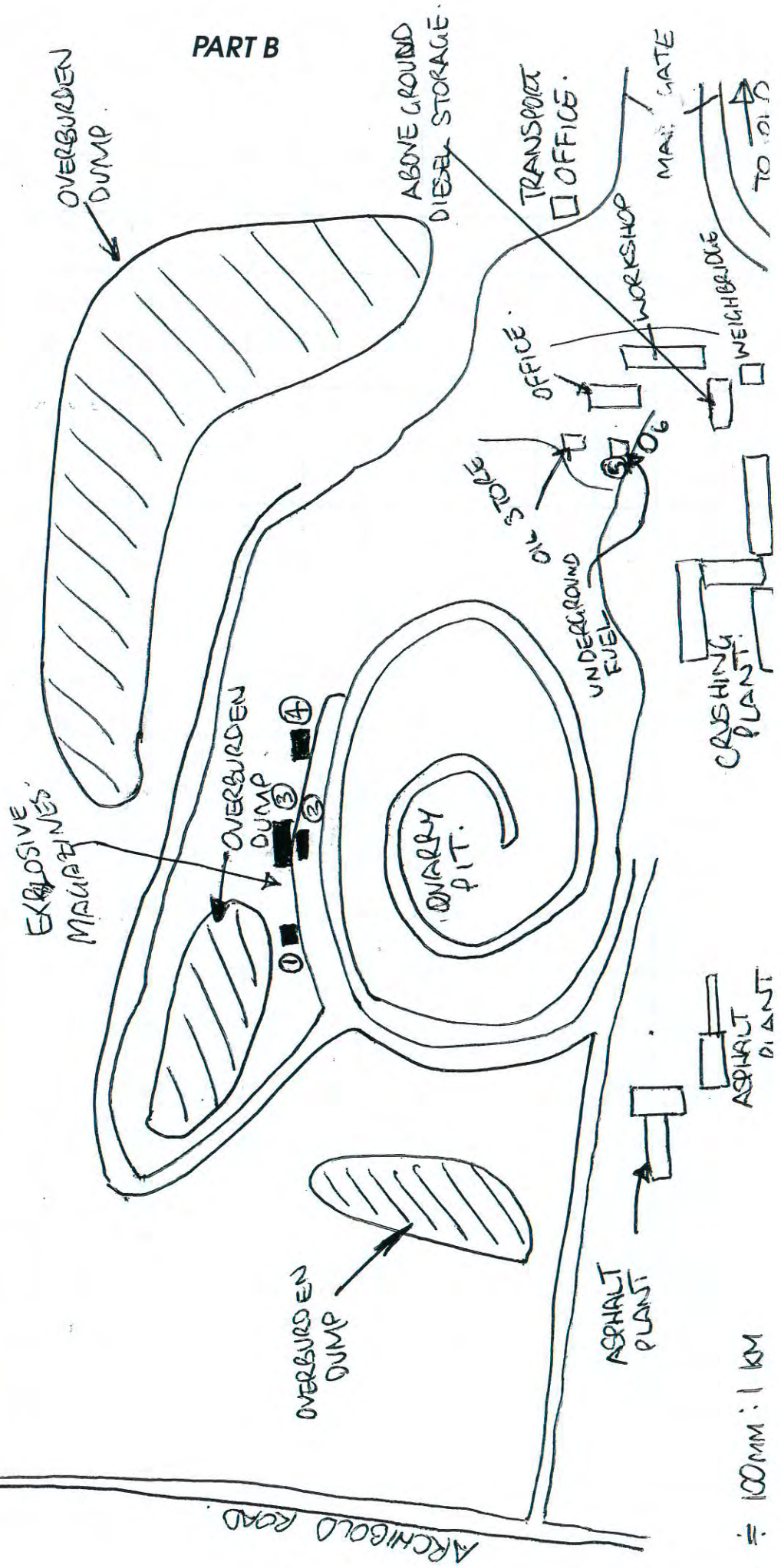
35/012865

TO NORTH

TO SYDNEY

NOTE:

\* NO WATER HYDRANTS.



PART B

SCALE = 100MM : 1 KM

**PART C**

Complete 1 section per depot

**CHEMICAL STORAGE**

35/012865

**If you have more depots than the space provided, photocopy sufficient sheets first.**

Depot number	Type of depot	Class			Licensed maximum storage capacity		
5	UNDERGROUND TANK	3			15 000 LITRES. ✓		
UN number	Shipping name	Pkg. Class Group EPG			Product or common name	Typical quantity	Uniteg. L, kg, m³
1203	MOTOR SPIRIT	3	11	YES	UNLEADED PETROL	14 700	L

Depot number	Type of depot	Class			Licensed maximum storage capacity		
6	UNDERGROUND TANK.	3			15 000 LITRES. ✓		
UN number	Shipping name	Pkg. Class Group EPG			Product or common name	Typical quantity	Uniteg. L, kg, m³
1203	MOTOR SPIRIT	3	11	YES	UNLEADED PETROL	14 000	L

Depot number	Type of depot	Class			Licensed maximum storage capacity		
1	EXPLOSIVE MAGAZINE	1.1			4 000 kg. ✓		
UN number	Shipping name	Pkg. Class Group EPG			Product or common name	Typical quantity	Uniteg. L, kg, m³
0082	EXPLOSIVES BLASTING TYPE E	1.1D	N/A	N/A	ANFO	2 000	kg.

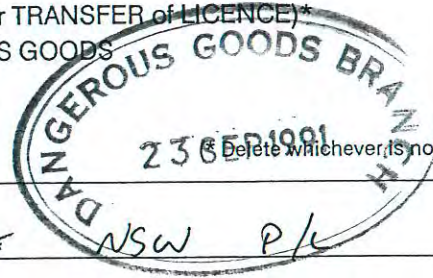
Depot number	Type of depot	Class			Licensed maximum storage capacity		
4	EXPLOSIVES MAGAZINE	1.1			2 000 kg. ✓		
UN number	Shipping name	Pkg. Class Group EPG			Product or common name	Typical quantity	Uniteg. L, kg, m³
0042	BOOSTERS WITHOUT DETONATORS	1.1D	N/A	N/A	PRIMERS	200 UNITS.	
0241	EXPLOSIVE BLASTING TYPE E	1.1D	N/A	N/A	POWERCEL MAGNUM	1 500	kg.



**WORKCOVER AUTHORITY**  
**DANGEROUS GOODS ACT, 1975**

LICENCE No.  
 35 012865

APPLICATION FOR LICENCE (or AMENDMENT or TRANSFER of LICENCE)\*  
 FOR THE KEEPING OF DANGEROUS GOODS



Jan.

Name of Applicant in full (see Item 1 - Explanatory notes - page 4)	PIONEER CONCRETE		
Trading name or occupier's name (if any)	As above		
Postal Address	P.O. Box V42 MT DRUITT	Postcode	2770
Address of the premises to be licensed. (Including Street No.)	Cm Wallgrove Rd 2 of Western Hwy WALLGROVE		Postcode 2164
Nature of premises (See Item 2 - Explanatory notes - page 4)	QUARRY		
Telephone number of applicant	STD Code 02	Number	625 0788

Particulars of type of depots and maximum quantities of dangerous goods to be kept at any one time.

Depot number	Type of depot (See item 3 - Explanatory notes - page 4)	Storage capacity	Dangerous goods	C & C
			Product being stored	Office use only
1	Underground Tank	15 000 L	SUPER	2 020 15x3
2	" "	15 000 L	UN LEADED FUEL	2 020 15x3
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

Data Entered  
 04 Nov 91

Has site plan been approved by the Dangerous Goods Branch?  Yes  No  
 If yes, no plans required.  
 If no, please attach site plan, or provide sketch plan overleaf. which has been checked by an accredited consultant

Have premises previously been licensed?  Yes  No  
 If, yes, state name of previous occupier, and licence No. (if known)

Name of oil company supplying flammable liquid (if applicable). AMPOL  
 Signature of applicant..... G. J. G. .... Date ..... 16-9-91 .....

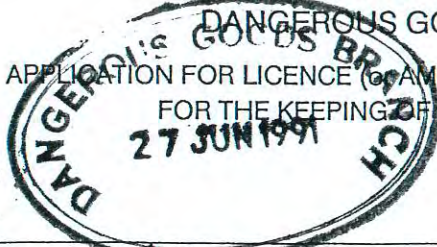
For external explosives magazine(s), please fill in page 3.

FOR OFFICE USE ONLY **CERTIFICATE OF INSPECTION**  
 I, being an Inspector under the Dangerous Goods Act, 1975, do hereby certify that the premises described above do comply with the requirements of the Dangerous Goods Act, 1975, and the Dangerous Goods Regulation with regard to their situation and construction for the keeping of dangerous goods of the nature and in the quantity specified.



WORKCOVER AUTHORITY

DANGEROUS GOODS ACT, 1975
APPLICATION FOR LICENCE (or AMENDMENT or TRANSFER of LICENCE)\*
FOR THE KEEPING OF DANGEROUS GOODS



Expired 15/1/90

JAN EXPIRE

(\* Delete whichever is not required)

Name of Applicant in full (see Item 1 - Explanatory notes - page 4) Pioneer Concrete (NSW) Pty Ltd
Trading name or occupier's name (if any) Pioneer Concrete (NSW) Pty Ltd
Postal Address PF P.O. Box 242 Mt Druitt Postcode 2770
Address of the premises to be licensed. (Including Street No.) Cnr Wallgrove Rd & Gt Western Hwy WALLGROVE Postcode 2164
Nature of premises (See Item 2 - Explanatory notes - page 4) Quarry
Telephone number of applicant STD Code 02 Number 62507899

Particulars of type of depots and maximum quantities of dangerous goods to be kept at any one time.

Table with 5 columns: Depot number, Type of depot, Storage capacity, Dangerous goods, C & C Office use only. Rows 1-12 detailing depot types like Explosives and Flammable Liq.

Has site plan been approved by the Dangerous Goods Branch? Yes No
If yes, no plans required. If no, please attach site plan, or provide sketch plan overleaf, which has been checked by an accredited consultant

Have premises previously been licensed? Yes No
If, yes, state name of previous occupier, and licence No. (if known) Pioneer Concrete 35-012865

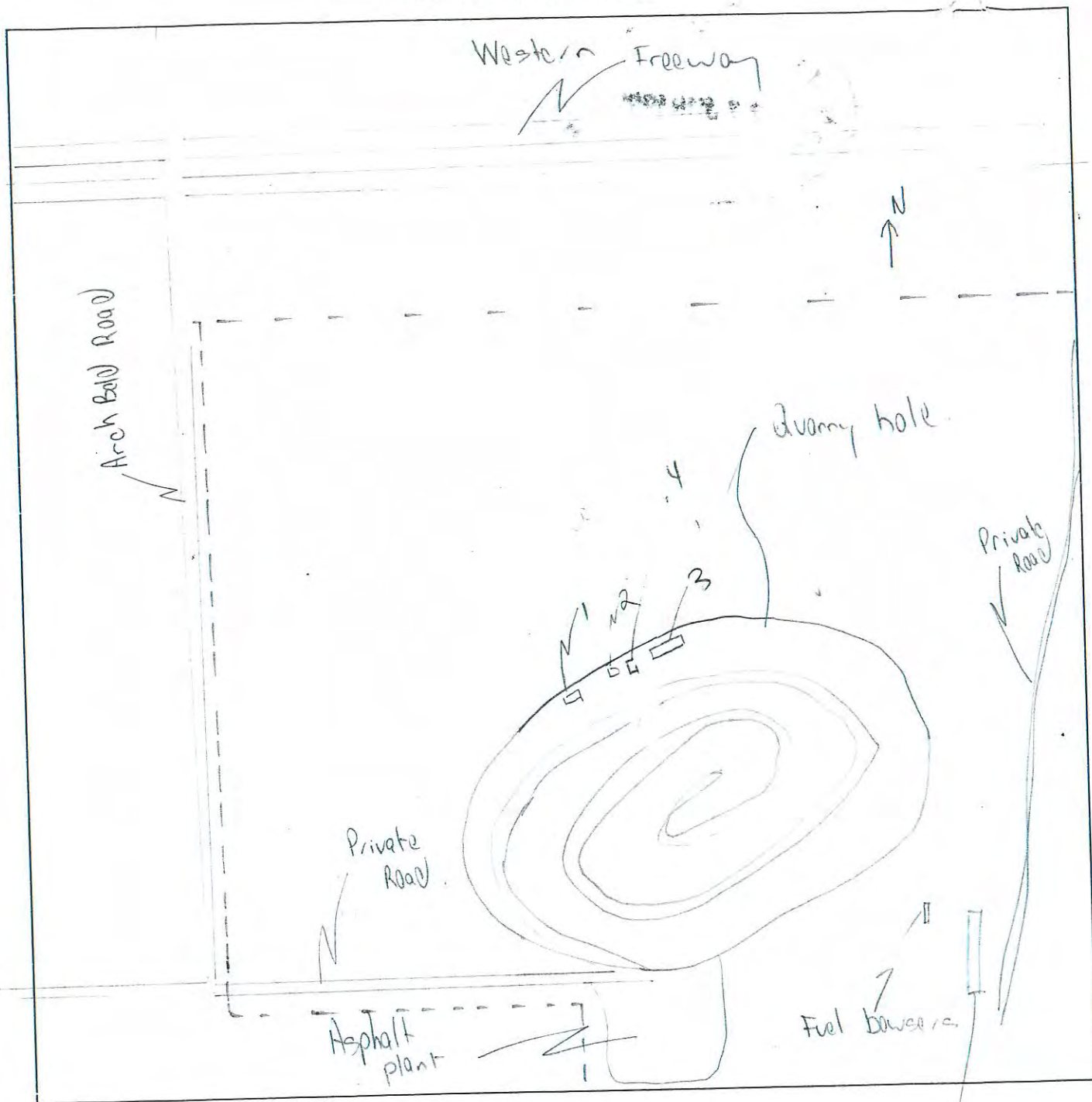
Name of oil company supplying flammable liquid (if applicable) AMPOL Craig KECHISSA

Signature of applicant X L L Date 25-6-91

For external explosives magazine(s), please fill in page 3.

FOR OFFICE USE ONLY CERTIFICATE OF INSPECTION
I, being an Inspector under the Dangerous Goods Act, 1975, do hereby certify that the premises described above do comply with the requirements of the Dangerous Goods Act, 1975, and the Dangerous Goods Regulation with regard to their situation and construction for the keeping of dangerous goods of the nature and in the quantity specified.
Signature of Inspector Date

# SKETCH PLAN OF SITE



Show positions of Depot(s) with:-

- (1) distances from public places and protected works;
- (2) street names;
- (3) nature and details of adjacent properties.

1cm = 100 metres

- 1 - ANFO Magazine
  - 2 - Detonators magazine
  - 3 - Primer magazine
  - 4 - Magazine
- Bounded area is Barry lease area.

Offices and workshop

Application is hereby made for—  
described below.

\*a licence (or amendment of the licence)  
\*the transfer of the licence

for the keeping of dangerous goods in or on the premises

FEE: \$10.00 per Depot for new licence.  
\$10.00 for amendment or transfer.

(\*delete whichever is not required)

5413 3/04/81 USA

880 - 2

Name of Applicant in full (see over)	PIONEER CONCRETE (NSW) PTY LTD.		
Trading name or occupier's name (if any)	SITE: WALLGROVE QUARRY.		
Postal address	AS ABOVE. HEAD OFFICE 63 GROVE STR. ST PETERS.		
Address of the premises including street number (if any)	WALLGROVE QUARRY. P.O. BOX 25 EASTERN CREEK	Postcode	2766
Nature of premises (see over)	WALLGROVE ROAD ROOTY HILL.		
Telephone number of applicant	STD Code	Number	6259784.

Particulars of type of depots and maximum quantities of dangerous goods to be kept at any one time.

Depot number	Type of depot (see over)	Storage capacity	Dangerous goods	C & C Office use only
			Product being stored	
1	MAGAZINE.	4000 kg.	MIXED AMMONIUM NITRATE & DISTILLATE	3400 43
2	✓	1100 kg	Nitrocompounds	3400 13
3	✓	2000 kg	Gunpowder	3400 23
4	✓	2000 kg	Blasting explosives	3400 23
5	✓	2000 kg	✓	3400 23
6	✓	2000 kg	✓	3400 23
7	underground tank	15,000 l	Petrol	2020 24
8	✓	15,000 l	✓	2020 24
9				
10				
11				
12				

Has site plan been approved?  Yes  No  
If yes, no plans required. If no, please attach site plan. ATTACHED.

Have premises previously been licensed?  Yes  No  
If yes, state name of previous occupier. AS ABOVE.

Name of company supplying flammable liquid (if any) ICI - IMPERIAL CHEMICAL INDUSTRIES.

Signature of applicant ..... R. Campbell ..... Date 20-2-81

For external explosives magazine(s), please fill in side 2. RANGI CAMPBELL - PLANT MANAGER.

FOR OFFICE USE ONLY CERTIFICATE OF INSPECTION WALLGROVE QUARRY.

I, RAYMOND CHARLES McCRAE being an Inspector under the Dangerous Goods Act, 1975, do hereby certify that the premises described above do comply with the requirements of the Dangerous Goods Act, 1975, and the Dangerous Goods Regulation with regard to their situation and construction for the keeping of dangerous goods of the nature and in the quantity specified.

Signature of Inspector ..... R.M.C. .... Date 19.5.81

e No. 35012865.9

premises described below.

(\*delete whichever is not required)

FEE: \$10.00 per Depot

*analyzed with 20104.*

*Application*

5607 17/04/79 03A

Name of Applicant in full (see over) *Pioneer Concrete (U.S.W) Pty Ltd*

Trading name or occupier's name (if any)

Postal address *63 Grove St. St Peters* Postcode *2044*

Telephone number of applicant STD Code \_\_\_\_\_ Number \_\_\_\_\_

Address of the premises in or on which the depot or depots are situated (including street number, if any) *Pioneer Quarry via Wallgrove Rd off Western H/way Wallgrove* Postcode *2164*

Nature of premises (see over)

PLEASE ATTACH SITE PLAN

Particulars of type of depots and maximum quantities of dangerous goods to be kept at any one time.

Depot number	Type of depot (see over)	Storage capacity	Dangerous goods	
			Product being stored	C & C Office use only
1	<i>underground tank</i>	<i>15000 litres</i>	<i>m/s</i>	<i>2.020.24</i>
2	<i>underground tank</i>	<i>15000 litres</i>	<i>m/s</i>	<i>2.020.24</i>
3	<i>explosives magazine</i>	<i>1100 kg</i>	<i>nitrocompounds</i>	<i>3.400.13</i>
4	<i>explosives magazine</i>	<i>2000 kg</i>	<i>gunpowder etc</i>	<i>3.400.23</i>
5	<i>explosives magazine</i>	<i>2.000 kg</i>	<i>blasting explosives</i>	<i>3.400.23</i>
6	<i>explosives magazine</i>	<i>2.000 kg</i>	<i>"</i>	<i>3.400.23</i>
7	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>3.400.23</i>
8				
9				
10				
11				
12				

Name of company supplying flammable liquid (if any)

Have premises previously been licensed? *Yes*

If known, state name of previous occupier *as above*

Licence No.

Signature of applicant *see previous papers*

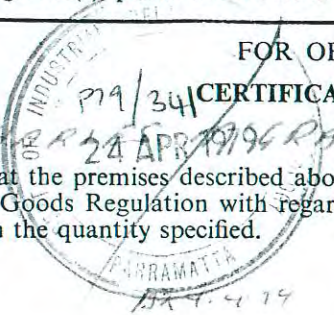
Date

For external explosives magazine(s), please fill in side 2.

FOR OFFICE USE ONLY

CERTIFICATE OF INSPECTION

I, *RAYMOND CHARLES* being an Inspector under the Dangerous Goods Act, 1975, do hereby certify that the premises described above do comply with the requirements of the Dangerous Goods Act, 1975, and the Dangerous Goods Regulation with regard to their situation and construction for the keeping of dangerous goods of the nature and in the quantity specified.



Signature of Inspector *[Signature]*

Date *21.5.79*

Name of Occupier Pioneer Concrete (NSW) Pty Limited  
 (Surname) (First Names)

Trading Name (if any) \_\_\_\_\_

Postal Address 63 Grove Street, ST.PETERS Postcode 2044

Address of the premises in which the depot or depots are situated cnr Wallgrove Road & Western Highway, WALLGROVE Postcode 2164

Occupation quarrying

Nature of Premises quarry

Particulars of construction of depots and maximum quantities of inflammable liquid and/or dangerous goods to be kept at any one time.

PLEASE SKETCH SITE ON BACK OR ATTACH PLAN

Depot No.	Construction of depots *			Inflammable Liquid		Dangerous Goods						
	Walls	Roof	Floor	Mineral spirit litres	Mineral oil litres	Class 1 litres	Class 2 litres	Class 3 kg	Class 4 m <sup>3</sup>	Class 5A# litres	Class 5B# litres	Class 9 litres
1	underground tank			15000								
2	underground tank			15000								
3												
4												
5												
6												
7												
8												
9												
10												
TOTAL												

\* If kept in tanks describe depots as underground or aboveground tanks.

# Insert water capacity of tanks or cylinders.

PUBLIC REVENUE A/c

Chq / \$ 25.00  
24/12/75

Name of Company supplying inflammable liquid \_\_\_\_\_ (Date) \_\_\_\_\_

Have premises previously been licensed? Yes 12865-1 Receipt No. 1749

If known, state name of previous occupier Pioneer Quarries (Sydney) Pty Ltd

Signature of applicant X [Signature] Date 23-1-76

Insp.  
Metrop.

CERTIFICATE OF INSPECTION

I, [Signature] being an Inspector under the Inflammable Liquid Act, 1915, do hereby certify that the premises or store described above does comply with the requirements of that Act and regulations with regard to its situation and construction for the keeping of inflammable liquid and/or dangerous goods in quantity and nature specified.

Signature of Inspector [Signature]  
 Date 23-1-76

**DIRECTIONS**

1. Applications must be forwarded to the Chief Inspector of Inflammable Liquid, Explosives Department, Box R.216, Royal Exchange Sydney, N.S.W. 2000 and must be accompanied by the prescribed fee, as set out hereunder:  
 Registration of Premises (Fee \$3.00 p.a.) - For quantities not exceeding 300 gallons of mineral oil and 100 gallons of mineral spirit, if kept together; or 800 gallons of mineral oil and 100 gallons of mineral spirit, if kept separate depots; or 500 gallons of mineral spirit, if kept in an underground tank depot; or 800 gallons of mineral oil and 500 gallons of mineral spirit, if mineral spirit is kept in an underground tank depot.  
 In addition to, or in lieu of the above, similar quantities of Dangerous Goods of Classes 1 and 2 may be kept under the like conditions; reading Dangerous Goods of Class 1 for the words Mineral Spirit and Dangerous Goods of Class 2 for the words Mineral Oil.  
 Store License, Div. A (Fee, \$6.50 p.a.) - For quantities in excess of those stated above, but not exceeding 4,000 gallons mineral oil and/or mineral spirit, and/or Dangerous Goods of Classes 1, 2 and 9.  
 Store License, Div. B (Fee, See Regulation 7) - For quantities exceeding 4,000 gallons of mineral spirit, and/or dangerous goods of Classes 1 and 2, and/or dangerous goods of Class 3.  
 For the keeping of Dangerous Goods of Classes 3 and/or 4. (\$15.00 p.a.).  
 Fees for the keeping of inflammable liquid and dangerous goods in excess of the above stated quantities and also for Liquid Petroleum Gas storage are set out in Regulation 7.

1. Name of occupier including full christian names.	PIONEER QUARRIES (SYDNEY) PTY LTD.
2. Trading Name (if any)	_____
3. Locality of the premises in which the depot or depots are situated	No. or Name <u>corner of</u>
	Street <u>Wallgrove Rd &amp; Western Highway,</u>
	Town <u>WALLGROVE.</u>
4. Postal address	<u>63 Grove St., ST. PETERS</u> Postcode <u>2044</u>
5. Occupation	<u>quarrying</u>
6. Nature of premises (dwelling, garage etc.)	<u>quarry.</u>

7. Particulars of construction of depots and maximum quantities of inflammable liquid and/or Dangerous Goods to be kept at any one time.

**PLEASE ATTACH PLAN OF PREMISES**

Depot No.	Construction of depots *			Inflammable liquid		Dangerous goods					
	Walls	Roof	Floor	Mineral spirit gallons	Mineral oil gallons	Class 1 gallons	Class 2 gallons	Class 3 lb	Class 4 cu ft	Class 5A water gal	Class 9 gallons
1	UNDERGROUND		TANK	3000							
2	✓		✓	3000							
3											
4											
5											
6											
7											
8											
9											
10											

PUBLIC REVENUE A/c.  
CHQ 18 15.00  
 17/12/70  
 (Date) Receipt No 1816

\* If product is kept in tanks describe depots as underground or aboveground tanks.

Signature of applicant [Signature]

Date of application \_\_\_\_\_, 19\_\_\_\_

**CERTIFICATE OF INSPECTION**

I, Harold Arthur Conway being an Inspector under the Inflammable Liquid Act, 1915 (as amended), do hereby certify that the premises or store herein referred to and described is suitable with regard to its situation and construction for the safe keeping of inflammable liquid and/or dangerous goods in quantity and nature specified.

Place Sydney

Signature of Inspector [Signature]

6777 B.P.

Mineral Oil - includes kerosene, mineral turpentine and white spirit (for cleaning), and compositions containing same.

Mineral Spirit - includes petrol, benzene, benzolene, benzol and naphtha, and compositions containing same.

Dangerous Goods -

Class 1 - acetal, acetaldehyde, acetone, acrolein, amyl mercaptan, butyl acetate, butyl mercaptan, butyl propionate, crotonaldehyde, dichloro-ethylene, diethylketone, dioxane, diethylamine, dimethyl hydrozine, dipropylamine, divinyl ether, dipropyl ether, ethyl acetate, ethyl acrylate, ethyl chloride, ethyl ether, dichloroethane (ethylene dichloride), ethyl mercaptan, ethyl methacrylate, ethyl methyl ether, ethyl propyl ether, ethyl propionate, methyl propyl ketone, methyl acetate, methyl acrylate, methylal, methyl ethyl ether, methyl ethyl ketone, methyl methacrylate, methyl vinyl ketone, methyl vinyl acetate, piperidine, propanal, propyl acetate, propylamine, propylene oxide, pyridine, tetrahydrofuran, thiophene, triethylamine, valeraldehyde, vinyl acetate, vinyl allyl ether, vinyl butyl ether, vinyl butyrate, vinyl cyanide (acrylonitrile), vinylidene chloride, vinyl ethyl ether, vinyl propyl ether, vinyl propionate, any combination of substances of an inflammable character suitable for use as an industrial solvent and having a true flashing point of less than 73 degrees Fahrenheit, manufactured products, containing organic solvents, having a true flashing point of less than 73 degrees Fahrenheit.

Class 2 - acetic acid, acetyl acetone, acetic anhydride, allyl alcohol, amyl acetate, amyl alcohol, butyl alcohol, butyl methacrylate, chlorobenzene, cyclohexanone, dibutyl ether, dibutyl ketone, dipentene, epichlorohydrin, ethanol (ethyl alcohol), ethyl benzene, ethylene diamine, furfural, mesityl oxide, methyl alcohol, methyl amyl ketone, methyl butyl ketone, pine oil (having a flashing point below 150°F), propyl benzene, propanol, vegetable turpentine, vinyl benzene (styrene monomer), any liquid containing more than 50 per centum ethyl alcohol, manufactured products, containing organic solvents, having a true flashing point of 73 degrees Fahrenheit and above but not exceeding 150 degrees Fahrenheit.

Class 3 - nitro-cellulose moistened with an alcohol, nitro-cellulose product.

Class 4 - compressed or dissolved acetylene contained in a porous substance.

Class 5 (A) - liquefied inflammable gases (liquefied petroleum gas, vinyl chloride, ethylene chloride, ethylene oxide, butadine, methylamine, dimethylamine and trimethylamine).

Class 9 - Carbon disulphide, ethyl nitrite.

*amend A12865 to Div B.  
to expire 30/12/69.*

FEE \$8-50. (amendment)  
DIRECTIONS

Applications must be forwarded to the Chief Inspector of Inflammable Liquid, Explosives Department, Department of Mines, Sydney, and must be accompanied by the prescribed fee, as set out in Regulation 7.

- Name in full of occupier
- Occupation
- Locality of the premises in which the depot or depots are situated
- Nature of premises (Dwelling, Garage, Store, etc.)

RAY FITZPATRICK QUARRIES  
PTY LTD  
Quarrymaster.  
No. or Name of C. Western H/way  
Street 9 off Wallgrove Rd.  
Town Wallgrove.  
Quarry  
Postcode ~~2164~~ ~~2044~~

- Particulars of construction of depots and maximum quantities of inflammable liquid and/or Dangerous Goods to be kept at any one time

PLEASE ATTACH PLAN OF PREMISES.

Depot No.	Construction of depots*			Inflammable liquid		Dangerous goods					
	Walls	Roof	Floor	Mineral Spirit gallons	Mineral Oil gallons	Class 1 gallons	Class 2 gallons	Class 3 lb	Class 4 cu ft	Class 5 A water gallons	Class 9 gallons
1	Underground Tank			3000							
2	—			3000							
3											
4											
5											
6											
7											
8											
9											
10											

PUBLIC REVENUE A/c.  
Chgo \$ 8.50  
6/2/69  
(Date)  
Receipt No.

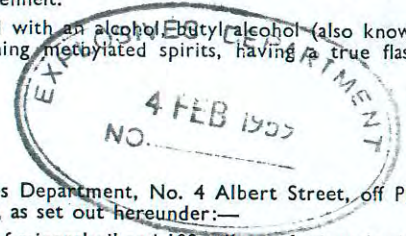
\* If product is kept in tanks describe depots as underground or aboveground tanks.

Ray Fitzpatrick Quarrymaster  
Signature of Applicant  
Postal Address 63 GROVE ST  
ST PETERS.

Mineral Oil—includes kerosene, mineral turpentine and white spirit (for cleaning), and compositions containing same.  
 Mineral Spirit—includes petrol, benzene, benzolene, benzol and naphtha, and compositions containing same.

**Dangerous Goods—**

- Class 1.—Acetone, amyl acetate, butyl acetate, carbon bisulphide; any combination of substances of an inflammable character suitable for use as an industrial solvent and having a true flashing point of less than 73 degrees Fahrenheit.
- Class 2.—Nitro-cellulose (also known as "pyroxylin" and "collodion cotton") moistened with an alcohol (butyl alcohol (also known as "butanol"), methylated spirits, vegetable turpentine; and any liquid or solid containing methylated spirits, having a true flashing point of less than 150 degrees Fahrenheit.
- Class 3.—Nitro-cellulose product.
- Class 4.—Compressed or dissolved acetylene contained in a porous substance.



**DIRECTIONS**

1. Applications must be forwarded to the Chief Inspector of Inflammable Liquid, Explosives Department, No. 4 Albert Street, off Phillip Street, Circular Quay, Sydney (Box 48, G.P.O.), and must be accompanied by the prescribed fee, as set out hereunder:—

**Registration of Premises (Fee £1 10s. 0d. p.a.)**—For quantities not exceeding 300 gallons of mineral oil and 100 gallons of mineral spirit, if kept together; or 800 gallons of mineral oil and 100 gallons of mineral spirit, if kept in separate depots; or 500 gallons of mineral spirit, if kept in an underground tank depot; or 800 gallons of mineral oil and 500 gallons of mineral spirit, if mineral spirit is kept in an underground tank depot.

In addition to, or in lieu of the above, similar quantities of Dangerous Goods of Classes 1 and 2 may be kept under the like conditions; reading Dangerous Goods of Class 1 for the words Mineral Spirit and Dangerous Goods of Class 2 for the words Mineral Oil.

**Store License, Div. A (Fee, £3 5s. 0d. p.a.)**—For quantities in excess of those stated above, but not exceeding 4,000 gallons mineral oil and/or mineral spirit, and/or Dangerous Goods of Classes 1 and 2.

**Store License, Div. B (Fees, See Regulation 7)**—For quantities exceeding 4,000 gallons of mineral oil and/or mineral spirit, and/or dangerous goods of Classes 1 and 2, and/or dangerous goods of Class 3.  
 For the keeping of Dangerous Goods of Classes 3 and/or 4. (£7 10s. 0d. p.a.).

2. The certificate of inspection at foot hereof must be signed by an Inspector under the Inflammable Liquid Act, 1915–1953, or Police Officer, or other officer duly authorised in that behalf, and where the premises are situated outside the Metropolitan Area of Sydney, it is requested that such certificate be obtained prior to forwarding application.

1. Name in full of occupier ... RAY FITZPATRICK QUARRIES PTY. LTD.

2. Occupation ... METAL QUARRY

3. Locality of the premises in which the depot or depots are situated ...  
 No. or Name situated behind Wallgrove  
 Street Military Camp Wallgrove  
 Town Underground Tank.

4. Nature of premises (Dwelling, Garage, Store, etc.) ...

5. Will mineral spirit be kept in a prescribed underground tank depot? YES.

6. Particulars of construction of depots and maximum quantities of inflammable liquid and/or Dangerous Goods to be kept at any one time.

Depot No.	Construction of Depots.			Inflammable Liquid.		Dangerous Goods.			
	Walls.	Roof.	Floor.	Mineral Spirit. Gallons.	Mineral Oil. Gallons.	Class 1. Gallons.	Class 2. Gallons.	Class 3. lb.	Class 4. cub. ft.
1	<u>Underground tank</u>			<u>2000</u>					
2									
3									
4									
5									
6									
7									
8									
9									
10									

RAY FITZPATRICK QUARRIES PTY. LTD.

Date of Application 31 - 1 - 1959

Signature of Applicant [Signature] Secretary

Postal Address 14 Meredith St Bankstown

**CERTIFICATE OF INSPECTION.**

I, \_\_\_\_\_ being an Inspector under the Inflammable Liquid Act, 1915–53, do hereby certify that the premises or store herein referred to and described is suitable with regard to its situation and construction for the safe keeping of inflammable liquid and/or dangerous goods in quantity and nature specified.

Place \_\_\_\_\_ Signature of Inspector \_\_\_\_\_

Date \_\_\_\_\_ [PLEASE TURN OVER]



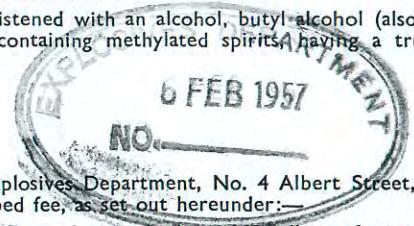
**EXPLANATORY**

**Inflammable Liquid—**

Mineral Oil—includes kerosene, mineral turpentine and white spirit (for cleaning), and compositions containing same.  
 Mineral Spirit—includes petrol, benzene, benzolene, benzol and naphtha, and compositions containing same.

**Dangerous Goods—**

- Class 1.—Acetone, amyl acetate, butyl acetate, carbon bisulphide; any combination of substances of an inflammable character suitable for use as an industrial solvent and having a true flashing point of less than 73 degrees Fahrenheit.
- Class 2.—Nitro-cellulose (also known as "pyroxylin" and "collodion cotton") moistened with an alcohol, butyl alcohol (also known as "butanol"), methylated spirits, vegetable turpentine; and any liquid or solid containing methylated spirits having a true flashing point of less than 150 degrees Fahrenheit.
- Class 3.—Nitro-cellulose product.
- Class 4.—Compressed or dissolved acetylene contained in a porous substance.



**DIRECTIONS**

1. Applications must be forwarded to the Chief Inspector of Inflammable Liquid, Explosives Department, No. 4 Albert Street, off Phillip Street, Circular Quay, Sydney (Box 48, G.P.O.), and must be accompanied by the prescribed fee, as set out hereunder:—

**Registration of Premises (Fee £1 10s. 0d. p.a.)**.—For quantities not exceeding 300 gallons of mineral oil and 100 gallons of mineral spirit, if kept together; or 800 gallons of mineral oil and 100 gallons of mineral spirit, if kept in separate depots; or 500 gallons of mineral spirit, if kept in an underground tank depot; or 800 gallons of mineral oil and 500 gallons of mineral spirit, if mineral spirit is kept in an underground tank depot.

In addition to, or in lieu of the above, similar quantities of Dangerous Goods of Classes 1 and 2 may be kept under the like conditions; reading Dangerous Goods of Class 1 for the words Mineral Spirit and Dangerous Goods of Class 2 for the words Mineral Oil.

**Store License, Div. A (Fee, £3 5s. 0d. p.a.)**.—For quantities in excess of those stated above, but not exceeding 4,000 gallons mineral oil and/or mineral spirit, and/or Dangerous Goods of Classes 1 and 2.

**Store License, Div. B (Fees, See Regulation 7)**.—For quantities exceeding 4,000 gallons of mineral oil and/or mineral spirit, and/or dangerous goods of Classes 1 and 2, and/or dangerous goods of Class 3.

For the keeping of Dangerous Goods of Classes 3 and/or 4. (£7 10s. 0d. p.a.).

2. The certificate of inspection at foot hereof must be signed by an Inspector under the Inflammable Liquid Act, 1915–1953, or Police Officer, or other officer duly authorised in that behalf, and where the premises are situated outside the Metropolitan Area of Sydney, it is requested that such certificate be obtained prior to forwarding application.

1. Name in full of occupier ... WALLGROVE BLUE METAL QUARRY PTY LTD

2. Occupation ... QUARRIES

3. Locality of the premises in which the depot or depots are situated ...  
 No. or Name \_\_\_\_\_  
 Street \_\_\_\_\_  
 Town Wallgrove

4. Nature of premises (Dwelling, Garage, Store, etc.) ... Quarry

5. Will mineral spirit be kept in a prescribed underground tank depot? Yes

6. Particulars of construction of depots and maximum quantities of inflammable liquid and/or Dangerous Goods to be kept at any one time.

Depot No.	Construction of Depots.			Inflammable Liquid.		Dangerous Goods.			
	Walls.	Roof.	Floor.	Mineral Spirit Gallons.	Mineral Oil Gallons.	Class 1. Gallons.	Class 2. Gallons.	Class 3. lb.	Class 4. cub. ft.
1	<u>Underground tank</u>			<u>2,000</u>					
2									
3									
4									
5									
6									
7									
8	<u>Date on which the tank was first filled:</u>								
9									
10									

Chg. 123-5-0  
 Public Revenue Account  
 (Date) 7-2-57  
 Receipt No 11951

Date of Application 4/2/1957 Signature of Applicant [Signature] Secret  
 Postal Address 10 Meredith St  
[Signature]

**CERTIFICATE OF INSPECTION.**

I, \_\_\_\_\_ being an Inspector under the Inflammable Liquid Act, 1915–53, do hereby certify that the premises or store herein referred to and described is suitable with regard to its situation and construction for the safe keeping of inflammable liquid and/or dangerous goods in quantity and nature specified.

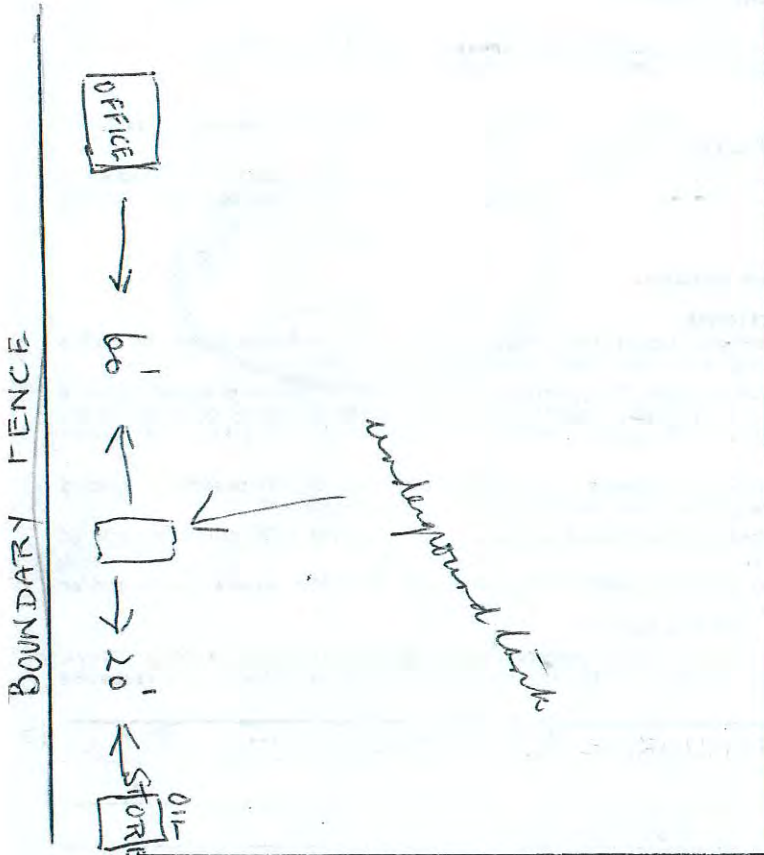
Place \_\_\_\_\_ Signature of Inspector \_\_\_\_\_  
 Date \_\_\_\_\_

PLEASE TURN OVER

Make Rough Sketches showing—

Ground plans of premises showing position of depot or depots and adjacent buildings, also distances separating depots and buildings.

Sketch of depot or depots showing provision made for ventilation, also inside dimensions (length, width, and depth) of the pit or lower portion, designed to prevent outflow. This sketch is not required for underground tanks.



TABLES SHOWING DISTANCES WHICH UNDER LICENSE MUST SEPARATE PROTECTED WORKS FROM DEPOTS.

Table I.—Where Mineral Spirit and/or Dangerous Goods of Class 1 (with or without Mineral Oil and/or Dangerous Goods of Class 2) are kept or to be kept :—

In an underground Tank Depot, in quantity exceeding 500 gallons, but not exceeding—	In an aboveground Tank Depot or other Depot, separated from protected works by a screen wall, in quantity exceeding 100 gallons, but not exceeding—	In an aboveground Tank Depot or other Depot not separated from protected works by a screen wall, in quantity exceeding 100 gallons, but not exceeding—	Distance not less than—
Gallons.	Gallons.	Gallons.	Feet.
2,000	1,000	250	10
2,400	1,200	300	11
2,800	1,400	350	12
3,200	1,600	400	13
3,600	1,800	450	14
4,000	2,000	500	15
7,200	3,600	900	16
10,400	5,200	1,300	17
13,600	6,800	1,700	18
16,800	8,400	2,100	19
20,000	10,000	2,500	20
22,000	11,000	2,750	21
24,000	12,000	3,000	22
26,000	13,000	3,250	23
28,000	14,000	3,500	24
30,000	15,000	3,750	25
32,000	16,000	4,000	26
40,000	20,000	5,000	30
80,000	40,000	10,000	40
100,000 and over.	80,000	20,000	50
	160,000	40,000	75
	320,000 and over.	80,000	100
		120,000	115
		240,000	130
		400,000 and over.	150

Table II.—Where Mineral Oil and/or Dangerous Goods of Class 2 only are kept or to be kept :—

St 8130

In an underground Tank Depot, in quantity exceeding 800 gallons, but not exceeding—	In an aboveground Tank Depot or other Depot separated from protected works by a screen wall, in quantity exceeding 800 gallons, but not exceeding—	In an aboveground Tank Depot or other Depot not separated from protected works by a screen wall, in quantity exceeding 800 gallons, but not exceeding—	Distance not less than—
Gallons.	Gallons.	Gallons.	Feet.
4,000	2,000	1,000	10
8,000	4,000	2,000	15
14,400	7,200	3,600	16
20,800	10,400	5,200	17
40,000	20,000	10,000	20
80,000	40,000	20,000	30
160,000	80,000	40,000	40
320,000 and over	160,000	80,000	50



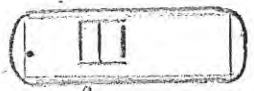
BP AUSTRALIA LIMITED

12865

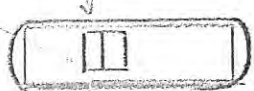
WORKSHOP + ADMINISTRATION

RAY FITZPATRICK QUARRIES PTY LTD  
WALLGROVE

OVER  
100'  
TO  
BOUNDARY



22'



INSTALL 2x5000 GAL  
TANKS FOR DSM.  
CONSTRUCT CONCRETE ISLAND  
OVER AND INSTALL CM DUAL  
FOR DSM/DSM EACH

OVER 100' TO BOUNDARY

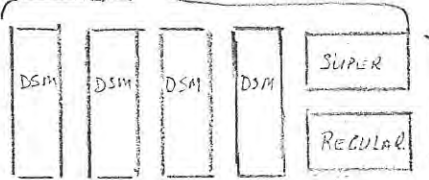
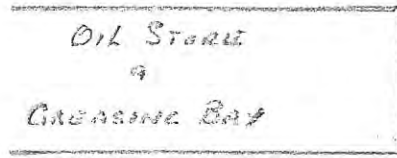
22'

10' APPROX.



INSTALL 2x3000 GAL  
M/S TANKS FOR  
SUPER & REG M/S  
CONNECT TO 2 CMS  
IN SITU.

4x3000 & 2x2000 EXISTING



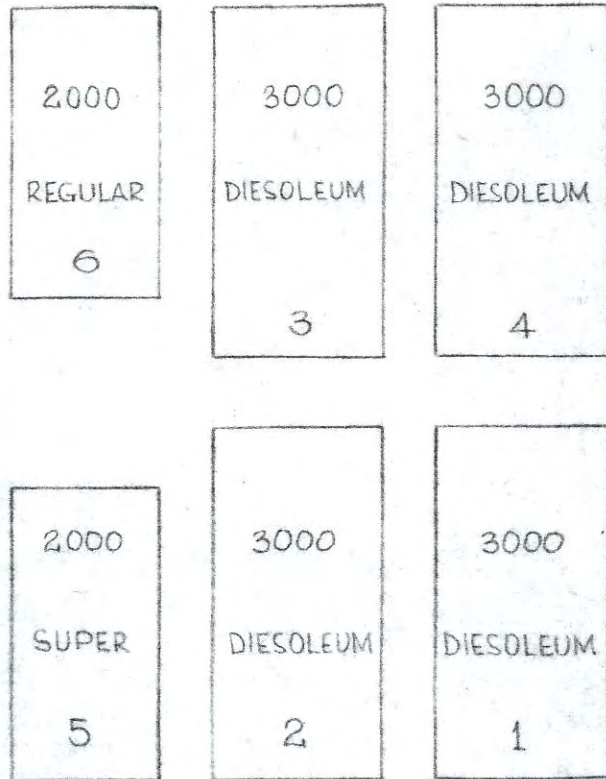
Convert M/S Tanks to DSM.

OVER  
100' TO BOUNDARY

2x CMS IN SITU CONNECT TO 2x3000 + 1x2000 EACH PUMP

*[Signature]*  
28.9.68.

RR: 23-3 GS NOT TO SCALE



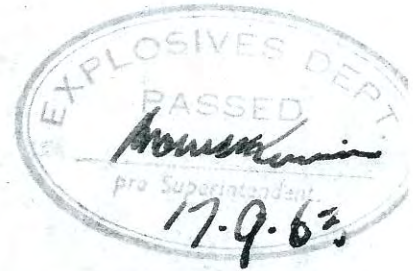
Regular ○  
Super ○

4 Dies ○  
3 Dies ○

2 Dies ○  
1 Dies ○



between tanks  
or 30' to boundaries or  
started works



RAY FITZPATRICK QUARRIES PTY LTD  
OFF HORSLEY ROAD  
WALGROVE

AMENDMENTS	DRN.	APP.

DRAWN DL	CHECKED	APPROVED	
SCALES Not to Scale	DATE 16.9.63		
BP AUSTRALIA LIMITED NEW SOUTH WALES BRANCH		DRAWING No. <b>NSW</b> 50	
		ISSUE	

## APPENDIX IX ACID SULFATE SOILS MAP

---

**New South Wales Office:**

A. D. Envirotech Australia Pty Ltd  
Unit 4, 10-11 Millennium Court  
Silverwater, NSW 2128

**Queensland Office:**

A. D. Envirotech Australia Pty Ltd  
P.O. Box 288  
Upper Coomera, QLD 4209

**Telephone:**

NSW: (02) 9648 6669  
QLD: (07) 5519 4610

**Internet:**

site: [www.ADenvirotech.com.au](http://www.ADenvirotech.com.au)  
e-mail: [info@ADenvirotech.com.au](mailto:info@ADenvirotech.com.au)



## Maps - Identify

The interface displays a map of a region in Australia, showing various soil data layers. The map includes a grid, roads (Great Western Highway, Western Motorway, Wallgrove Road, Westlink AP), and a scale bar (0 to 1 km). A legend on the right lists layers such as Geographic Context, Level 7 (Point Data), CSIRO Soil Archive, Level 5 (Intensive), Level 4, Level 3, Level 2, Level 1 (Broadscale), Australian Frameworks, Acid Sulfate Soils (ASS), APSIM, Climate, Landcover, Landscape and Terrain, National Soil Grids, ASRIS 2001, and Base Map. Below the map, there are search results for 'Acid Sulfate Soil Class' and 'Base-Map'. The search results for 'Acid Sulfate Soil Class' show 1 result: 'Cq(p4)' with 'Extremely Low Probability of Occurrence' and a 'Confidence Scale of source map' of '4'. The search results for 'Base-Map' show 1 result: 'mainland'. The interface also includes a 'Messages' section with a warning: 'Analysis and queries must be based on the data underlying the maps.' and a 'REFRESH MAP' button. The bottom status bar shows GDA94 Longitude: 150.8203, Latitude: -33.8174, a bookmark dropdown set to 'select', and an Approx Scale of 1:29,704.

Rec	Acid Sulfate Soil Class	Acid Sulfate Soil Probability	Confidence	Scale of source map
1	Cq(p4)	Extremely Low Probability of Occurrence	4	1:2M

Rec	Feature Type
1	mainland

GDA94 Longitude: 150.8203 Latitude: -33.8174 Bookmark: select Approx Scale: 1:29,704

Image sourced from asris.csiro.au accessed on the 25.04.2014

## APPENDIX X SITE LAYOUT PLAN

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**New South Wales Office:**

A. D. Envirotech Australia Pty Ltd  
Unit 4, 10-11 Millennium Court  
Silverwater, NSW 2128

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A. D. Envirotech Australia Pty Ltd  
P.O. Box 288  
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NSW: (02) 9648 6669  
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**Internet:**

site: [www.ADenvirotech.com.au](http://www.ADenvirotech.com.au)  
e-mail: [info@ADenvirotech.com.au](mailto:info@ADenvirotech.com.au)