Site Audit Report

0503-1902

Maritime Facility, Northern Portion 5 -11 Bank St
Pyrmont NSW

30 July 2020

55265-131205 (Rev 0)

JBS&G Australia Pty Ltd

www.jbsg.com.au

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Abbreviations

Term	Definition
ACM	Asbestos Containing Material
ADWG	Australian Drinking Water Guidelines
AFFF	Aqueous Film Forming Foams
AF/FA	Asbestos Fines / Fibrous Asbestos
AHD	Australian Height Datum
ANZECC	Australian and New Zealand Environment and Conservation Council
ANZG	Australian and New Zealand Governments
ARMCANZ	Agriculture and Resource Management Council of Australia and New Zealand
As	Arsenic
ASS	Acid Sulfate Soils
AST	Aboveground Storage Tank
BGL	Below Ground Level
BOM	Bureau of Meteorology
Cd	Cadmium
CLM	Contaminated Land Management
CLM Act	Contaminated Land Management Act
COC	Chain of Custody
COPC	Contaminants of Potential Concern
Cr	Chromium
CRC Care	Cooperative Research Centre for Contamination Assessment and Remediation of the Environment
CSM	Conceptual Site Model
Cu	Copper
BGL	Below Ground Level
BTEX	Benzene, Toluene, Ethylbenzene and Xylenes
B(a)P	Benzo(a) pyrene
DO	Dissolved oxygen
DP&E	NSW Department of Planning and Environment
DQI	Data Quality Indicators
DQO	Data Quality Objectives
DTW	Depth to water
EC	Electrical conductivity
EH	Redox potential
EIL	Ecological Investigation Level
EMP	Environmental Management Plan
EPA	New South Wales Environment Protection Authority
ESL	Ecological Screening Level
FID	Flame Ionisation Detector
GIL	Groundwater Investigation Levels
GME	Groundwater Monitoring Event
Ha	hectare
Hg	Mercury
HIL	Health Based Investigation Level
HSL	Health Screening Levels
IAA	Interim Audit Advice
LEL	Lower Explosive Limit
LNAPL	Light non-aqueous phase liquids
LOR	Limit of Reporting
m	Metre
MAH	Monocyclic Aromatic Hydrocarbon
mg/L	Milligrams per litre
mg/kg	Milligrams per kilogram
ML	Management Limits
MOD 3	Modification of Minister's Approval (MP11_0001 MOD 3) dated 12th December 2018
MPVE	Multi-phase vacuum extraction
NATA	National Association of Testing Authorities

Term	Definition
NEPC	National Environment Protection Council
NEPM	National Environment Protection Measure
NHMRC	National Health and Medical Research Council
Ni	Nickel
OCP	Organochlorine Pesticide
ORP	Oxidation-Reduction Potential
PAH	Polycyclic Aromatic Hydrocarbons
PID	Photo-ionisation Detector
Pb	Lead
PCB	Polychlorinated Biphenyls
POEO Act	Protection of the Environment, Operations Act
ppm	Parts per million
PASS	Potential Acid Sulfate Soils
QA/QC	Quality Assurance/Quality Control
RAP	Remediation Action Plan
RMS	Roads and Maritime Service
RPD	Relative Percentage Difference
RSL	Regional Screening Levels
SAR	Site Audit Report
SAS	Site Audit Statement
SSTL	Site Specific Trigger Level
SWL	Standing Water Level
TfNSW	Transport for NSW
TOC	Top of Casing
TPH	Total Petroleum Hydrocarbons
TRH	Total Recoverable Hydrocarbons
USCS	Unified Soil Classification System
UST	Underground Storage Tank
µg/L	Micrograms per litre
VMP	Voluntary Management Plan
VOC	Volatile Organic Compounds
Zn	Zinc

1. Introduction

1.1 Introduction and Background

Andrew Lau, of JBS&G Australia Pty Ltd (JBS&G), was engaged by Transport for NSW (TfNSW) on 27 July 2018 to conduct a site audit for a portion of a property located at 5 – 11 Bank St, Pyrmont, NSW, described as Lot 22 DP803159, Part Lot 19 DP803159, Lot 21 DP803159 and Part Lot 20 DP 803159 (the site), as shown in **Appendix C.**

The site is owned by TfNSW and is intended to be leased as the land-based part of a marina. A Remedial Action Plan (RAP) was prepared for the entire 5 -11 Bank St site in 2015 (SLR 2015[1]) to address the previously identified contamination issues as part of the proposed development of the site as a maritime facility. The RAP (SLR 2015c) was reviewed by the auditor and a Site Audit Statement (SAS) and Site Audit Report (SAR) were issued in 2015:

- *Site Audit Report, Bank Street, Pyrmont, 0503-1410*, (Audit No. 0503-1410), JBS&G, 28 April 2015 (JBS&G 2015)

This previous audit found that the site could be made suitable for commercial/industrial uses, and other uses: Maritime Facility including boat storage, exhibition space, community work space and maintenance workshop, publicly accessible foreshore walk, fixed wharf, floating pontoons and timber walkway subject to being remediated in accordance with the RAP (SLR 2015).

Following from the modifications to consent granted in December 2018, a RAP addendum was prepared (CONSARA 2018[2]). The auditor reviewed the 2018 RAP addendum and prepared an Interim Audit Advice (IAA) letter as referenced below:

- Interim Audit Advice Letter, Andrew Lau, 10th October 2018 (Interim Audit Advice, 0503-1901-1)

Andrew Lau is a Site auditor accredited by the NSW Environment Protection Authority (EPA) under the *Contaminated Land Management Act 1997* (CLM Act 1997) (Accreditation Number 0503). This audit was completed with the assistance of Dr Sara Arthur, one of JBS&G's trained and experienced audit assistants. The audit reference number is 0503-1902.

1.2 Objectives of the Site Audit

The objectives of this site audit were to:

- Independently review the RAP Addendum, site validation report and an environmental management plan (EMP) prepared following completion of remediation works;
- Prepare a SAR and SAS providing an opinion as to whether the site is suitable for the proposed commercial/ industrial and open space land uses.

In accordance with the requirements of the CLM Act 1997, the site audit was undertaken with consideration to:

- The provisions of the CLM Act, Regulations and subsequent amendments;
- The provisions of any environmental planning instruments applying to the site; and
- Relevant guidelines made or approved by the EPA (**Appendix A**).

[1] Remedial Action Plan, Sydney Heritage Fleet Base, Bank Street, Pyrmont, NSW, SLR Consulting Pty Ltd, 23 April 2015
[2] Addendum to Remedial Action Plan, Maritime Facility, 5-11 Bank Street, Pyrmont NSW, CONSARA Pty Ltd, 10 September 2018

1.3 Type of Audit

The audit was required under condition D25 of the Modification of Minister's Approval (MP11_0001 MOD 3) dated 12th December 2018 ("MOD 3"). Since the audit is being undertaken in response to a legal requirement imposed by the consent authority, it is a statutory audit within the meaning of the *Contaminated Land Management Act (1997)* ("the CLM Act"). Site Audit Notification (SAN) and associated Conflict of Interest Declaration was provided to the EPA on 24th June 2020 upon becoming aware of the statutory nature of the audit in accordance with the relevant requirements.

1.4 Documents Reviewed

The following documentation was reviewed as part of the site audit:

- *Remedial Action Plan, Sydney Heritage Fleet Base, Bank Street, Pyrmont,* NSW, SLR Consulting Pty Ltd, 23 April 2015 (SLR 2015);
- *Addendum to Remedial Action Plan, Maritime Facility, 5-11 Bank Street, Pyrmont NSW,* CONSARA Pty Ltd, 10 September 2018 (CONSARA 2018);
- *Bank Street Commercial Wharf – Dry Works Appendix B5 – DRAFT Acid Sulfate Soils Management Plan*, Christie Civil Pty Ltd, November 2019 (Christie Civil 2019);
- *Construction Environmental Management Plan, Bank Street Commercial Wharf,* Roads and Maritime Services (RMS), November 2019 (RMS, 2019), including reference to *Erosion and Sediment Control Plan – C4.01 Siteworks Plan & Details,* Christie Civil Pty Ltd;
- *Validation Report, Maritime Facility, Northern Part of 5-11 Bank St, Pyrmont, NSW,* Document Ref: C151008_RPT_10Jul2020E, CONSARA Pty Ltd, 10 July 2020 (CONSARA 2020a) ("the Validation Report") and an earlier draft dated 15 June 2020; and
- *Long-Term Environmental Management Plan, Maritime Facility, Northern Part of 5-11 Bank St, Pyrmont, NSW,* Document Ref: C151008_LTEMP_10Jul2020, CONSARA Pty Ltd, 10 July 2020 (CONSARA 2020b) ("the EMP") and an earlier draft dated 23 June 2020.

References within the 2015 SAR that have been relied upon for this audit are as follows:

- *Soil Contamination Investigation, Bank Street, Pyrmont NSW,* Noel Arnold & Associates Pty Ltd, June 2010 (NA 2010). It is noted that this report refers to a larger parcel of land, incorporating the current site and land adjoining the site to the east. The total site area of the NA 2010 investigation was reported to be approximately 10 500 m^2.
- Preliminary Contaminated Land Assessment, Sydney Heritage Fleet Base, Pyrmont NSW 2009 (Draft 1), SLR Consulting Pty Ltd, 9 November 2011 (SLR 2011).
- Sampling, Analytical and Quality Plan for Limited Contamination Assessment, Sydney Heritage Fleet Base, Pyrmont NSW, SLR Consulting Pty Ltd, 2 February 2015 (SLR 2015a).
- Preliminary Contamination Assessment, Sydney Heritage Fleet Base, Bank Street, Pyrmont NSW, SLR Consulting Pty Ltd, 23 April 2015 (SLR 2015b).
- Remedial Action Plan, Sydney Heritage Fleet Base, Bank Street, Pyrmont, NSW, SLR Consulting Pty Ltd, 23 April 2015 (SLR 2015c).

Additional correspondence relating to the site audit is provided in **Appendix B**.

1.5 Site Inspections

The site was inspected as shown in **Table 1.1.**

Table 1.2: Summary of Audit Inspections

Date	Attendance	Purpose
19 May 2020	Sara Arthur (JBS&G)	Site inspection to observe site layout and condition

1.6 Chronology of Site Assessment Works

The process of the assessment and audits undertaken at the site has been chronologically listed in **Table 1.2**.

Table 1.3: Summary of Investigation and Audit Works Undertaken at the Site

Date	Purpose
28 April 2015	Preparation of 2015 SAR finding the entire 5 – 11 Bank St site could be made suitable, subject to implementation of the 2015 RAP.
27 July 2018	Commencement of site audit (0503-1901).
10 September 2018	Submission of Addendum to RAP (CONSARA 2018)
10 October 2018	Issuance of Interim Audit Advice 0503-1901-1, by Andrew Lau, the Site auditor
12 December 2018	Minister's approval of MOD 3.
December 2019 to May 2020	Sampling of materials retained and materials imported to the site by CONSARA (CONSARA 2020a). For materials retained at site: 9 December 2019 and 14 January 2020 For materials imported to the site: 6 & 18 December 2019, 14 & 31 January 2020 and 18 May 2020.
December 2019 to May 2020	Sampling of materials for off site disposal by CONSARA (CONSARA 2020a). 9 December 2019, 28 February 2020, 18 March 2020, 14 April 2020 and 7 May 2020.
December 2019 to May 2020	Preparation of five Waste Classification Letters by CONSARA (CONSARA 2020a). Letters dated: 12 December 2019, 6 March 2020, 21 March 2020, 15 April 2020 and 13 May 2020.
19 May 2020	Site Inspection by audit assistant
June – July 2020	Preparation and submission of draft Validation Report and draft Long Term Environmental Management Plan. Based on auditor comments issued on 25 June 2020, a final Validation Report (CONSARA 2020a) and a final EMP (CONSARA 2020b) were issued on 10 July 2020.
July 2020	Receipt of Construction Environmental Management Plan (CEMP), Acid Sulfate Soils Management Plan (ASSMP) and *Erosion and Sediment Control Plan – C4.01 Siteworks Plan & Details* by auditor.
July 2020	Preparation of a Site Audit Statement (0503-1901) and Site Audit Report (JBS&G 2020), confirming remediation and validation works were completed in general accordance with the Addendum to the RAP (CONSARA 2018) and the site is suitable for commercial/industrial and public recreation/open space landuses subject to implementation of the ongoing EMP (CONSARA 2020b).

2. Site Description

2.1 Site Identification

The site details have been summarised in **Table 2.1** and described in further detail in the following sections. A plan identifying the subject site has been presented in **Appendix C**. The site location and layout is shown in **Appendix C**.

Table 2.1: Summary Site Details – Northern Portion of 5 – 11 Bank St, Pyrmont

Street Address	5 – 11 Bank St, Pyrmont
Property Description	Lot 22 DP803159, Part Lot 19 DP803159, Lot 21 DP803159 and Part Lot 20 DP 803159
Local Government Area	City of Sydney
Property Size	3600 m^2
Zoning	RE1 Public Recreation
Previous Use	Storage of dragon boats
Proposed Use	Temporary maritime support facility

2.2 Site Condition

The Validation Report (CONSARA 2020a) noted that, prior to re-development, the site was primarily unsealed and covered with gravels of crushed sandstone and concrete.

At the time of preparation of the Validation Report, the re-development for the temporary maritime facility and public open space area had been completed, and are described as follows:

> "The new maritime facilities are located on the southern part of the Site and comprise a concrete hardstand on which a number of demountable buildings, storage containers and other minor structures, equipment and carparking for the marina support facilities. On the northern part of the Site the public open space area has been completed and is comprised of a higher upper level at the Site's entrance from Bank Street and then a concrete ramp, footpath and stairs provide access to the lower levels that connect to the over water marina facilities established in the adjacent areas of Blackwattle Bay. The lower level of the open space areas are primarily covered with asphaltic pavement, with the concrete footpath and ramp along the southern edge and a concrete staircase on the northern edge that provides access. Gabions filled with oversize aggregate and sandstone have been placed in a terrace along the slope between the upper and lower levels with planting beds forming the upper edge of this terrace. The upper level comprises the concrete driveway from Bank Street into the Site, concrete footpaths and a large feature of terraced gabions located on the northern boundary. Some minor areas of crushed gravels/aggregate and planting beds are also located along the southern and eastern edge of the terraced gabions and at frontage to Bank Street.
>
> "The Site is secured by a 2 metre high fence with locked access from Bank Street. The temporary marina support facilities are separated from the open space area by a secured fence.
>
> "It is noted that the over water marina facility is comprised of floating pontoons and a pedestrian walkway has been installed to link the Site to the over water facilities."

2.3 Topography

The ASSMP (Christie Civil 2019) notes that site elevation is approximately 4 m AHD at the boundary with Banks St and slopes down towards Blackwattle Bay to an elevation of approximately 2 m AHD. Constructed seawalls form the western boundary with Blackwattle Bay.

During the site visit, it was noted that Bank St is bordered on the eastern side by a sandstone cutting of 4 to 5 m in height.

2.4 Soils and Geology

The site is located within the Triassic period Wianamatta group lithology comprising medium to coarse grained sandstone, very minor shale and laminite lenses, but that the soil landscape will consist of disturbed terrain.

CONSARA (2020a) reported that the site is located in an area that is the result of significant dredging and reclamation activities that commenced in the late 1800s; the Validation Report indicated that the natural soils at the site have been subject to significant disturbance by human activity and that filling materials of rock, building and waste materials are likely to be present. CONSARA (2020a) reported that during re-development, it was confirmed that the site had been filled primarily with sandstones and crushed sandstone materials with a small amount of building and demolition wastes present in the north west corner of the site adjacent to Bank Street.

2.5 Acid Sulphate Soils

The RAP Addendum (CONSARA 2018) indicated that there was a high probability of the occurrence of acid sulfate soils (ASS) at the site, based on the 1:25 000 Prospect/Parramatta River Acid Sulfate Soils Risk Map, given the presence of sediments and dredged materials at the site. A draft ASSMP was prepared but was not provided to the auditor until development works had been completed.

The Validation Report stated "…that during excavation works completed for the redevelopment that extended to depths of 1 to 1.5 metres below the current ground surface, there was no evidence of sediments, dredged materials or potentially acid sulphate soils" encountered at the site.

2.6 Hydrology

The Validation Report (CONSARA 2020a) noted that site redevelopment included a constructed stormwater system comprising surface pits and sub-surface pipes to collect surface water runoff from the buildings and hardstand pavements. On the upper part of the site the stormwater is directed to Bank St, while on the lower part of the site there is no constructed stormwater system but given the surface coverings in the area there is unlikely to be sheet flows to Blackwattle Bay.

2.7 Hydrogeology

CONSARA (2020a) considers that regional groundwater would be expected to be present at depth within the Hawkesbury sandstone and would likely flow to the west and northwest towards Blackwattle Bay. The Validation Report went on to note that previous investigations had identified some limited groundwater to be present perched within the fill materials at 2 to 4 m BGL, but that it was limited in extent, and low to negligible recharge given the surface treatments at the site, and was present within horizons of more permeable fill materials.

CONSARA reported that the excavation works at the site extended to depths of 1 to 1.5 m BGL and there was no evidence of the presence of groundwater at these depths.

2.8 Surrounding Environment

CONSARA 2020a noted that the land uses surrounding the site are as follows:

- North –Light commercial, High Density Residential and Open Space Recreational uses;
- East – Roadways and High Density Residential;
- South – The remaining area of 5-11 Bank Street and light industrial and commercial land use; and
- West – Blackwattle Bay

2.9 Audit Findings

The information provided by CONSARA 2020a and Christie Civil 2019 in regards to site condition and surrounding environment has been checked against, and generally meets the requirements of EPA, 2020.

The auditor notes that other information pertaining to the site and surrounding areas by the consultant was generally consistent with the observations made during the audit inspection outlined above in **Table 1.1.**

The information provided by CONSARA, information supplemented by observations made during the site audit inspection and review of publicly available information in relation to the site condition and the surrounding environment is considered adequate for the purposes of the site audit, with the exception that details of climate were not provided.

For completeness, the auditor conducted a review of Bureau of Meteorology (BoM) climate statistics for Sydney (Observatory Hill AWS[3]) which indicated the following:

- Mean maximum temperatures ranging from 17.0 °C in July to 26.0 °C in January;
- Mean minimum temperatures ranging from 8.1 °C in July to 18.9°C in February; and
- Mean monthly rainfall ranging from 68.1 mm in September to 133.1 mm in June, with an average annual rainfall of 1213.4.0 mm.

Overall, the information provided by the consultants (CONSARA and supplemented with information by Christie Civil, the site contractor) in relation to site condition and the surrounding environment is considered adequately complete for the purposes of assessing the contamination status of the site.

[3] http://www.bom.gov.au/climate/averages/tables/cw_066062.shtml ; accessed 20 July 2020.

3. Site History

CONSARA (2018, 2020a) did not prepare a site history based on historical searches. However, the auditor is satisfied that the Site History prepared for the 2015 audit was adequate, and the following sections (3.1 to 3.4 and 3.6) have been extracted from the 2015 SAR, relating to the entire 5 – 11 Bank St site, and the Audit Findings from the 2015 SAR have been included in Section 3.8, below. The auditor has undertaken some regulatory searches for this audit, and these can be found in **Appendix F.**

3.1 Site History Information Sources

The consultant (SLR 2011) used a combination of sources to provide a site history, including the following:

- Council records, in which the consultant reported, *'…there are no council records for this site which indicate any significant environmental issues*.'
- Aerial photographs (1930, 1951, 1961, 1972, 1982, 1991 and 2009).
- Historical maps (1865, 1903, 1938-1950 and 1956).
- Historical land titles.
- NSW EPA records.

A summary of relevant historical information for the site was provided in the consultant (SLR 2015b) and is summarised as follows:

- Lots 19 and 20 of DP 803159 both comprise reclaimed land, although associated with different periods of reclamation work, with Lot 20 reclaimed during the late 1800s. Since the time when the land was first reclaimed there has not been a substantial change in the shoreline.
- No exact details of the reclamation works at the site could be located. It was, however, common practice at the time to utilise dredged estuarine sediments and excess fill from industrial and residential development sites.
- Lot 19 was reclaimed between 1989 and 1991 to facilitate the construction of the eastern support pylon for the Anzac Bridge. It is anticipated that the nature of the works would have required the imported fill to meet certain geotechnical parameters to allow placement to the required engineering specification. Documents relating to the reclamation of this lot could not be identified and therefore, it is unknown whether there is a potential for contaminated fill to have been used to complete this work. The site had probably received further imported fill material between the time of the initial reclamation and present day, due to the postulated changes in operational ground level.
- Between 1989 and 2003 the NSW RTA owned both Lots 19 and 20. During this time, Lot 19 has been used only to accommodate the eastern pylon of the Anzac Bridge and Lot 20 had been left mostly untouched and empty.

3.2 Aerial Photographs

The consultant (SLR 2011) undertook an aerial photograph review of the site, with the following information provided:

- 1930: No detailed interpretation of the subject site was possible due to resolution, however, it was reported that the approximate line of the Pyrmont peninsula is similar to that in more recent images. Surrounding properties showed a high number of buildings and maritime traffic.

- 1951: The northwestern end of the site shows an 'L' shaped building, and the southeastern end shows a large wharf attached and potentially a small white building at the rear of the site. Surrounding properties showed more factories and large buildings.
- 1961: The large wharf had been removed and the southwest end of the site possibly contained boxes/pallets (assumed to be raw materials or finished goods). Surrounding properties appeared unchanged since the previous photograph.
- 1972: The 'L' shaped building had been removed, with a smaller rectangular building visible at the rear of the site, with what appears to be cars occupying the front (water side) of the site.
- 1982: The site is completely vacant with exposed dirt and concrete visible.
- 1991: Footing for the eastern pylon of the Anzac Bridge is visible.
- 2009: The eastern pylon of the Anzac Bridge dominates the Lot 19 parcel, however, the bridge obscures most of Lot 20.

3.3 Historical Maps

The reviewed historical maps (SLR 2011) generally did not show site-specific details, with the following exceptions:

- The 1938-1950 maps showed the large wharf referenced in the 1951 aerial photograph.
- The 1956 map shows Lot 20 as comprising two parts:
    - The western half is occupied by the Potato Marketing Board of Tasmania.

The eastern half is vacant with the large wharf attached, plus a smaller wharf towards the edge of the site.

3.4 Historical Land Titles

The consultant reviewed historical land titles from Service First Registrations for Lots 19 and 20 in DP803159, with the following summary:

<u>Lot 20</u>

- 1899 to 1955 - Ownership was generally individual owners or companies of unknown nature (such as 'Cam and Sons Limited').
- 1948 (for a portion of Lot 20) to 1989 – Colonial Sugar Refining Company Limited.
- 1989 to 2003 – RTA of NSW.
- 2003 to date – Waterways Authority.

<u>Lot 19</u>

- To 1989 – Maritime Services Board.
- 1989 to 2003 – RTA of NSW.
- 2003 to date – Waterways Authority.

In addition, three easements were identified for both Lots 19 and 20 in March 2003 comprising:

- Easement for Electricity Purposes - 3 and 4.625 m wide;
- Easement for Drain Water – 3 m wide; and
- Easement for Maintenance - variable width.

The consultant also noted during the 1970s to 1980s previous elongated lots which fronted Blackwattle Bay were amalgamated to provide the current larger blocks/lots which are now present.

3.5 Regulatory Searches

CONSARA (2018 2020a) did not report the results of a search of the NSW EPA online Contaminated Land Record or POEO Act Public Register but the auditor performed a search on 20 July 2020.

With regards the Contaminated land record, the review indicated the site was not listed on the record and that only one site in Pyrmont was reported to the EPA:

- 14 – 26 Wattle Street, Pyrmont – Former Council Works (Depot) - other industry (840 m south of the site) – reported as Regulation under the CLM Act not required.

With regards the POEO Act Public Register, a number of sites within Pyrmont were identified. The only site with a current licence and within 500 m of the site is licenced as follows:

- 41-45 Bank St, Pyrmont - concrete batching plant.

The auditor does not consider either of these sites or activities to impact upon the site. Copies of the search results can be found in **Appendix F**.

3.6 Previous Reports and Reference Documents Review

The consultant (SLR 2011) noted additional reports and documentation were prepared and/or reviewed for the site/surrounding site area:

- NA 2010, which refers to a larger parcel of land, incorporating the current site under investigation and land adjoining the site to the east. Additional detail of the findings of this report is outlined below in **Section 7**.
- DP 2008, which involved the investigation of sediments at the footprint of the former Hymix Australia wharf approximately 250 m east of the site and at additional locations within Blackwattle Bay (the auditor notes that all sample locations are outside of the current site area, including the area of the proposed wharf portion of the site that will extend into Blackwattle Bay). However, the consultant (DP 2008) reported that some polyaromatic hydrocarbons (PAHs) and heavy metals were reported in sediment samples collected during the investigation, and presented the following conclusions:
  - Contamination present is not necessarily caused by the wharf and associated activities and more likely due to discharge of contaminant-loaded effluent from various sources (e.g. storm water runoff) into Blackwattle Bay.
  - Given the high levels of contamination (PAHs) in sediments, care should be taken during removal of the wharf to ensure minimal disturbance of sediments.
- The consultant also conducted an internet search for a number of reference documents which provided details on the site and site history/background information of the Pyrmont area. In particular, it was noted that the former Pyrmont incinerator was located directly east and above the Lot 20 portion of the site. The primary use was a garbage incinerator for commercial and residential waste, and was in use until 1971 when the incinerator was abandoned until it was demolished in 1992.

3.7 Site History presented by CONSARA

The RAP addendum and the Validation Report (CONSARA 2018 and 2020a) summarised the results of previous site histories and found that fill material was potentially present at the site containing ash, coke, coal tars and slag.
CONSARA concluded that some fill materials at the site are potentially contaminated with polycyclic aromatic hydrocarbons, petroleum hydrocarbons and heavy metals. No fibrous asbestos (FA) and asbestos-containing materials (ACM) has been previously identified, however, given the history of

filling activities conducted at the Site there is the potential for these materials to be present in surface and sub-surface soils.

3.8 Audit Findings

With respect to Site History, the 2015 SAR made the audit findings described below for the entire 5 – 11 Bank St site.

A generally comprehensive historical review was undertaken by SLR 2011 and included a review of aerial photographs, historical maps, land titles and NSW EPA records. A summary of relevant findings was provided, however, the auditor notes the following deficiencies:

- *Section 149 planning certificates were not researched.*
- *The consultant reported that, '…there are no council records for this site which indicate any significant environmental issues.' Copies of council records were not provided in the SLR 2011 report, and as such, the auditor cannot verify the validity of this statement.*
- *WorkCover NSW records were not reviewed.*
- *Limited NSW EPA records were provided with the report, however, EPA records were not researched in follow-up documentation (SLR 2015b).*
- *The consultant did not undertake searches of relevant heritage databases.*

*"For completeness, on 24 April 2015 the auditor conducted an updated search of available NSW EPA online information databases including updated searches of the CLM register, the POEO register, and the List of NSW Contaminated Sites Notified to EPA, with the following findings (search records are provided in **Appendix E**):*

- *A search of the CLM register did not discover any notices related to the site.*
- *A search of the POEO register did not identify any licences referring to the site.*
- *A search of the List of NSW Contaminated Sites Notified to EPA did not identify any locations related to the site.*

*In addition, on 24 April 2015 the auditor had undertaken searches of the NSW Heritage and Australian Heritage databases, with the following information provided (records are provided in **Appendix E**):*

- *The site was not listed on the Australian Heritage Register.*
- *The site was not listed on the NSW Heritage Register, with the exception that the Anzac Bridge was listed as significant at a State level because of its technical qualities. It is noted that the proposed site development considers the presence of the eastern pylon of the Anzac Bridge, and the auditor understands that development is not expected to have an impact on the bridge structure.*

*Notwithstanding the above referenced deficiencies, the extent of site history information presented by the consultant (SLR 2011) is considered generally sufficient and comprehensive in identifying contamination issues at the site. In addition, the auditor considers that based on the systematic intrusive works undertaken across the site (SLR 2015b), supplemental NSW EPA searches undertaken by the auditor (above), the requirement for additional investigations at the site (refer to **Section 7**) and the proposed remedial strategy for the site (refer to **Section 8**), it is considered that the referenced deficiencies are unlikely to materially affect the outcome of the site audit.*

The Heritage database searches were repeated 20th July 2020 and the site was not found to be listed on any Heritage Registers.

The auditor notes that since his conclusions were made regarding the site history previously, the site has stood vacant or has been used for the storage of dragon boats. There were no observations of fly-tipping or other potentially contaminating activities made at the site by CONSARA (2018 and 2020a) so the auditor is satisfied that the potential for additional contamination at the site during the time since the previous audit is low, and therefore concludes that the audit findings reported in the 2015 SAR with regards to the site history still stand.

4. Conceptual Site Model

The National Environment Protection (Assessment of Site Contamination) Measure, NEPC, 1999 (as amended 2013, NEPC 2013) identifies a conceptual site model (CSM) as a representation of site related information regarding contamination sources, receptors, and exposure pathways between those sources and receptors. The development of a CSM is an essential part of all site assessments and remediation activities.

NEPC (2013) identified the essential elements of a CSM as including:

- Known and potential sources of contamination and contaminants of concern including the mechanism(s) of contamination;
- Potentially affected media (soil, sediment, groundwater, surface water, indoor and ambient air);
- Human and ecological receptors;
- Potential and complete exposure pathways; and
- Any potential preferential pathways for vapour migration (if potential for vapours identified).

Based on the known contamination, each of the elements of the CSM are discussed as follows.

4.1 Source of Contamination

CONSARA (2018 and 2020a) identified the following potential sources of contamination on site:

- Contaminated fill containing ash, coke, coal tars, slag and asbestos containing material (ACM).

Based on the identified sources of contamination, CONSARA (2018 and 2020a) identified the following contaminants of potential concern (COPCs), including:

- Heavy metals (arsenic, cadmium, chromium, copper, lead, nickel, mercury and zinc);
- Total Recoverable Hydrocarbons (TRHs)
- PAHs; and
- Asbestos

4.2 Potentially Affected Media

The Validation Report noted that the identified COPCs are potentially present in the fill material in the surface and subsurface at the site. It was noted that during development works soils containing ACM were found in the north eastern area of the site.

4.3 Potential Exposure Pathways

The Validation Report identified potential exposure pathways to include inhalation of vapours, both indoors and outdoors and via dermal contact with soils or groundwater.

4.4 Potential Human and Ecological Receptors

CONSARA (2020a) reported that human receptors included occupiers and users of the site, (children to adults) and intrusive workers.

The Validation Report noted that the nearest off site human receptors were residents located on top of the cutting to the east of Bank Street or those occupying commercial properties to the south. It was concluded that there are no off-site human receptors that are at risk from potential contamination sourced from the site.

CONSARA identified Blackwattle Bay to be the receiving environment for groundwater and stormwater from the site.

Based on the main exposure pathways identified by CONSARA, intrusive construction and maintenance workers and future users of the site were identified as exposed receptors, as well as the aquatic marine ecosystem of Blackwattle Bay.

4.5 Audit Findings

4.5.1 Contaminants

The Validation Report identified several COPCs due to historic filling activities at the site. Because of the proximity of the site to the White Bay Power Station, and the historic fill activities the auditor indicated in the 2015 SAR that the following PCOCs should be investigated:

- Heavy metals (arsenic, cadmium, chromium, copper, lead, nickel, mercury and zinc);
- Total Recoverable Hydrocarbons (TRHs)
- PAHs;
- Asbestos;
- Phenolic compounds;
- Benzene, toluene, ethylbenzene and xylenes (BTEX);
- Organochlorine pesticides (OCPs);
- Polychlorinated biphenyls (PCBs); and
- Dioxins.

4.5.2 Media

With regards potentially contaminated media, CONSARA discussed the surface and subsurface soils at the site, but did not identify groundwater as being a potentially impacted medium. However, given that:

- no perched groundwater was encountered during excavation works (depths to 1.5 m BGL);
- no evidence of gross contamination was reported at the site;
- the concentrations of contaminants reported are relatively low;
- leachability tests performed for waste classification purposes indicated that the contaminants are at low concentrations; and
- Groundwater is not extracted at the site and the area receives town water supply,

then the auditor is satisfied that groundwater at the site is not a highly impacted medium.

The 2015 SAR and 2018 IAA letter noted that sediment in Blackwattle Bay was a potentially contaminated medium. The auditor notes that within MOD 3, condition C34 required that the "…Proponent shall ensure that all the proposed works are carried out in a way that minimises the disturbance of the seabed…" and that "…measures to avoid turbidity and scouring of the sea floor shall be implemented throughout construction works". The CEMP appears to have included management processes such as the requirement that a "slow boring technique" is used to "minimise any localised turbidity for the installation of the support piles for the wharf and pontoons".

The auditor is satisfied that protection of the sediment has been managed through the consent process.

4.5.3 Pathways and Receptors

The auditor is satisfied that the Validation Report has identified all potential pathways and receptors at the site such as plants used for landscaping purposes. As growing medium has been imported to the site the landscaping plants are not a potential receptor of contamination brought to the site.

4.5.4 Summary of Audit Findings

Overall, the auditor is satisfied that the conceptual site model prepared by CONSARA is adequate.

5. Sampling Analytical and Quality Program

5.1 Assessment of Sampling Analytical Quality Program

An assessment of quality assurance and quality control (QA/QC) has been undertaken by CONSARA (2020a) by developing data quality indicators (DQIs) which were summarised in the RAP Addendum (CONSARA 2018), broadly based on the seven-step process referred to in NEPC 2013.

The auditor has undertaken a review of the QA/QC undertaken by CONSARA, which has been summarised in **Tables 5.1** against the PARCC parameters (precision, accuracy, representativeness, comparability and completeness).

Table 5.1: QA/QC Assessment (CONSARA 2020a)

Parameter	DQIs	Requirement	Auditor Assessment
Field and Lab QA/QC			
Precision	Intra-laboratory duplicates (blind)	Collected at a rate of 1 per 20 samples. Analysed for primary contaminants of concern. RPDs less than 50%.	Soil intra-laboratory duplicates were collected at a rate of 1 per 10 primary samples for all analytes, except asbestos for samples collected for site characterization purposes, and for those collected for imported materials. Relative percent differences (RPDs) were reported between 0-67% with some results outside acceptable ranges for some metals and PAHs. CONSARA attributed these to the heterogeneity of the fill material and concluded that this did not affect the useability of the data. Some high RPDs were for results that were low and close to the limit of reporting (LOR). The auditor has reviewed the data and the variance from acceptable ranges does not appear to be systemic.
	Inter-laboratory duplicates (spilt)	Collected at a rate of 1 per 20 samples. Analysed for primary contaminants of concern. RPDs less than 50%.	Soil inter-laboratory duplicates were collected at a rate of 1 per 10 primary samples for all analytes, except asbestos for samples collected for site characterization purposes, and for those collected for imported materials. RPDs were reported between 0-133% with some results outside acceptable ranges for some metals and PAHs. CONSARA attributed these to the heterogeneity of the fill material and concluded that this did not affect the usability of the data. Some high RPDs were for results that were low and close to the limit of reporting (LOR). The auditor has reviewed the data and the variance from acceptable ranges does not appear to be systemic.
	Laboratory duplicates	One per batch. RPDs less than 50%.	Laboratory duplicates were undertaken by both laboratories and all results were reported by CONSARA to be within acceptable ranges. A review of laboratory certificates by the auditor indicates that breaches were observed in instances where the results were low and close to LOR, especially for PAHs. This does not affect the usability of the data.
Accuracy	Field rinsate blanks	Not required	CONSARA stated that "…samples for chemical analysis were collected directly from stockpiles using single-use gloves and no reusable sampling equipment came into contact with the soil sampled the collection of rinsate blanks was not necessary." The auditor considers this appropriate.
	Trip blanks	Collected at a rate of 1 per day of sampling where primary contaminants of concern include volatiles.	Trip blanks were collected by CONSARA with all concentrations reported below the laboratory LOR. The auditor considers this appropriate.

Parameter	DQIs	Requirement	Auditor Assessment
		Analysed for volatiles of concern. Laboratory results below laboratory LOR.	
	Trip spike	Not required, but collected at a rate of 1 per batch in the first sampling round undertaken at the site where primary contaminants of concern include volatiles Laboratory results / recovery within 30 % of the spiked concentration	Trip spikes were collected by CONSARA as part of the validation program, with all concentrations reported between 88-91% in the initial sampling round. While CONSARA considered this indicated "excellent recovery and within the acceptance criteria". As sampling showed no volatile COPC in soils at the site, and the RAP addendum did not require trip spikes to be collected, trip spikes were not collected for other sampling rounds.
	Laboratory surrogate spikes	Surrogate spikes to be performed as required by NATA accreditation, generally per sample analysed by chromatographic methods. Recoveries to be within 70-130 % or 30-130 % (phenols only).	CONSARA did not report the surrogate spike recovery ranges. The auditor has reviewed the surrogate recoveries ranges and found they ranged from 74 to 128% but were generally within laboratory control limits. The auditor notes that no systematic variations were observed in the surrogate spike results and considers the results to be adequate.
	Laboratory method blanks	Laboratory method blanks to be performed as required by NATA accreditation, generally 1 blank per batch. Results to be below laboratory LOR.	CONSARA reported that all laboratory method blanks < LOR.
	Laboratory control samples (LCS)	LCS to be performed as required by NATA accreditation, generally one per 20 samples per batch. Recoveries to be within 70-130 % or 30-130 % (phenols only).	CONSARA did not report the LCS recoveries. The auditor has reviewed the LCS recoveries and found ranged from 91-138 % and were generally within the laboratory control limits and no systematic issues were identified. Elevated LCS results would be anticipated to cause over-estimation of results. The auditor considers the LCS results to be adequate.
	Laboratory matrix spikes (MS)	MS to be performed as required as NATA accreditation, generally one per 20 samples per batch. Recoveries to be within 70-130 % or 30-130 % (phenols only).	CONSARA reported that matrix spike results were within acceptable ranges. Review by the auditor has found some results outside the acceptable range (up to 138%) but the variance was not systematic and would tend to over-estimate results. The auditor considers this to be adequate.
Soil Sampling and Analytical Schedule and Sampling Methodology			
Representa-tiveness	Soil sampling locations	Samples to be collected on a representative basis consistent with the CSM.	All samples reported in the RAP were collected from stockpiles, and are representative of the site as a whole, but not of contamination from particular locations. As the site is subject to a cap and contain remediation strategy this is adequate, but if further remediation works are required at the site, for instance to remove the requirement for an EMP, then further sampling would be required on a grid to understand contaminant distribution.

Parameter	DQIs	Requirement	Auditor Assessment
	Soil sampling depths and intervals	Soil sampling depths should be consistent with the anticipated distribution of contamination as detailed in the consultant's CSM.	Samples were collected from depths of at least 10 cm within the stockpiles. This is adequate to avoid the loss of volatiles.
	Soil sampling methodology	Soil samples to be collected using a methodology which is appropriate for the primary contaminants of concern.	Soil samples were collected directly from the stockpiles reportedly using new disposable gloves for each sample. Based on this, the auditor considers that the sampling methods adopted by the consultants are considered appropriate and are not likely to affect the representativeness of the soil data.
Representa-tiveness	Soil sampling containers	Soil samples to be collected into laboratory supplied, clean unpreserved Teflon lined jars.	Soil samples were immediately placed in laboratory supplied samples jars which were sealed tight and placed on ice for transport to the analytical laboratories. Bulk soil samples (500 g) collected for analysis of asbestos were collected in plastic zip-lock bags accordance with the WA DoH 2009 sampling protocols.
	Soil sampling equipment decontaminat ion	Not required as new disposable gloves were used for each location.	This is adequate.
	Soil sample contaminatio n screening	Soil samples to be screened for contamination via visual / olfactory observations and photo-ionisation detector (PID) measurement.	Sample descriptions were included in the results tables indicating material type etc. No field screening with a PID was undertaken as previous results did not indicate the presence of volatile compounds, there were no field observations (olfactory or visual) indicating volatile compounds and laboratory results did not report any volatiles. The use of PIDs was described in the RAP addendum, however the auditor accepts the discussion presented in the Validation Report. Visual screening for asbestos fragments was conducted at the site and 10 L samples were screened manually on-site through a < 7 mm sieve.
	Sample storage and transport	Samples to be placed in an insulated container and chilled. Samples to be transported to laboratory under chain of custody conditions.	All samples were transported in ice-cooled chests, under chain of custody conditions, to laboratories that were NATA accredited for the analysis performed.
Representa-tiveness	Laboratory sample receipt advice	No damaged containers. No samples submitted in containers which have not been chilled. No samples to be submitted without sufficient times to comply with recommended holding times.	Laboratory sample receipt advice provided by the nominated laboratories confirmed that all samples were received in suitable condition, with completed chain of custody documentation provided in the reports.
	Holding times	Samples to be extracted and analysed within recommended holding times.	A review of the consultant's COC documentation and laboratory reports indicates that all samples were analysed within their holding times for all analyses undertaken.

Parameter	DQIs	Requirement	Auditor Assessment
	Analytical Method	Samples to be analysed using NATA accredited methodology.	Laboratories used included: Envirolab Services (primary) and ALS (secondary) for validation works. Laboratory certificates were NATA accredited.
Complete-ness	Sampling, analysis and quality plan completeness	100 % of sampling, analysis and quality plan to be implemented.	A sampling analysis and quality plan (SAQP) was presented in the RAP Addendum and has generally been met.
	Field documentation	All relevant field documentation to be collated including sampling logs and calibration records.	Field data sheets were not supplied in the Validation Report, but all samples were collected from stockpiles, so this is appropriate. Sample descriptions were included in results tables.
	Laboratory documentation	All relevant laboratory documentation to be collated, including chain of custody records, sample receipt advice and analytical reports.	The consultant provided all relevant COC documentation; laboratory sample receipt advice; and full laboratory certificates in the reports.
	Critical sample validity	All critical sample data to be valid.	The auditor considers that the data is considered reliable, for the purpose of the investigation.
	Sampling, analysis and quality approach	Adequately comparable sampling, analysis and quality approach to be used throughout the project.	The auditor considers that the data is comparable, as consistent sampling methods were employed throughout the validation program. Field staff were not identified in the Validation Report. All laboratory analysis was undertaken by NATA accredited laboratories.
	Sampler	Samplers used throughout the project to have sufficient experience.	

5.2 Audit Findings

The quality assurance/quality control measures employed by CONSARA (2020a) were checked and found, overall, to adequately comply with the requirements outlined in EPA 2020, NEPC 2013 and EPA 2017. The laboratory QA/QC results have been reviewed and the results indicate that the analytical laboratories were achieving adequate levels of precision and accuracy. As such, the sampling, analytical and quality protocols undertaken by the consultant were considered to be adequately reliable for the purpose of assessing the contamination status of the site; and is reliable and useable for the purpose of this audit.

6. Assessment Criteria

6.1 Soil Criteria

The Validation Report (CONSARA 2020a) compared the results for soils retained on site assessment criteria, sourced from the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended 2013 (NEPC 2013).

A portion of the site will be used for public open space purposes and the remainder for commercial/industrial purposes associated with maritime activities as shown in **Appendix C**. The site has been capped but the underlying residual material has been assessed against the following criteria.

- Health Investigation Levels (HIL): HIL-C – Recreational.
- Health Investigation Levels (HIL): HILD – commercial/industrial.
- Health Screening Levels (HSL): HSL D – soil HSLs for vapour intrusion in recreational/open space land use, sand, 0 to <1 m and 1 to <2 m.
- Health Screening Levels (HSL): HSL D – soil HSLs for vapour intrusion in commercial/industrial land use, sand, 0 to <1 m and 1 to <2 m.
- HSLs for asbestos in soil: HSL C – commercial/industrial, which included an asbestos screening level of 0.02% for bonded ACM and 0.001% for friable asbestos (FA) and asbestos fines (AF).
- HSLs for asbestos in soil: HSL D – commercial/industrial, which included an asbestos screening level of 0.05% for bonded ACM and 0.001% for friable asbestos (FA) and asbestos fines (AF).
- Ecological Investigation Levels (EILs) and Ecological Screening Levels (ESLs) for commercial/industrial landuse.

CONSARA (2020a) reported that in accordance with *AS4964-2004: Method for the Qualitative identification of asbestos in bulk samples*, and the contracted laboratory NATA accreditation, the reporting limit of for AF in soils was 0.01% w/w. This was considered an acceptable screening criterion by the consultant due to the non-friable nature of asbestos identified during intrusive investigations on-site.

In addition to the above, CONSARA (2020a) noted that aesthetic considerations including soil odour, discolouration, and presence of foreign materials were assessed during remediation.

CONSARA (2020A) also referenced EPA (2014) Waste Classification Guidelines and Virgin Excavated Natural Material (VENM) as defined in the POEO (Waste) Regulation 2014.

6.2 Audit Findings

CONSARA (2020a) did not consider ecological criteria for validation of soils at the site. The auditor considers this to be acceptable noting that sensitive environmental receptors were not identified on-site where an exposure pathway exists.

CONSARA (2020a) did not consider Management Limits for Petroleum Hydrocarbon fractions in soil for commercial/industrial landuse, coarse soils, but given the low concentrations of these COPC at the site, and that the site has a portion that will be for recreational use the auditor is satisfied that this is appropriate.

Overall, the auditor considers that the soil criteria adopted by CONSARA (2018, 2020a) were generally appropriate for assessing the nature and extent of contamination that is present within the site and for validating the remediation.

7. Site Investigation Results

The 2015 SAR assessed several investigations that had been performed to characterise the contamination at the entire 5 -11 Bank St site. The 2018 IAA summarised the contamination issues for the site prior to remediation, and this summary is presented in Section 7.1, below.

7.1 Summary of Contamination Issues

Based on the findings of limited intrusive investigations and RAP (SLR 2015) previously completed at the property and reviewed as part of the previous site audit (Audit No. 0503-1410), PAH impacted soils have been at the site requiring management prior to development for commercial/industrial use (maritime facility) proposed at the time.

Additionally, a number of data gaps have been identified at the site, required to be addressed prior to commencement of earthworks/ construction works:

- Assessment of potential presence of dioxins and phenolic compounds within fill material across the site;
- Characterisation of fill material across the site at appropriate sample density including leachability of identified contaminants;
- Assessment of groundwater quality dependent on the findings of the above soil investigations; and
- Assessment for asbestos in soil in accordance with requirements of WA DoH 2009 guidelines.

7.2 Audit Opinions

The data gaps listed above have been addressed and are discussed in **Section 8**.

8. Remediation and Validation

8.1 Remediation Objective

With regards the remediation objective, the 2015 SAR stated the following:

The consultant (SLR 2015c) reported that the site is to be developed for commercial and industrial land use (maritime facility), comprising a two story building with a two storage areas, exhibition spaces, meeting rooms, amenities, an entrance lobby and reception areas.

The consultant reported that the remediation goals are to manage the identified PAH impacted soils at the site in a manner that will not present an unacceptable risk of exposure to human health for the proposed landuse scenario (commercial/industrial).

The RAP addendum (CONSARA 2018) describe the remediation objective as the application of surface treatments in order to achieve the capping, containment and management approach outlined in the RAP (SLR) for the remediation and validation of the site.

8.2 Remediation Options

The 2015 SAR summarised the remediation options as follows:

The consultant (SLR 2015c) reported the preferred remedial strategy at the site is in-situ capping to provide a suitable physical barrier that would separate future site users from the identified and assumed contamination. This would be achieved through the building footprints and the paved surfaces that are proposed to be constructed. This strategy was selected based on the nature of the proposed development, and the ease of which this remediation strategy could be incorporated in to the proposed construction works.

The RAP addendum (CONSARA 2018) did not consider remediation options.

8.3 Remediation Activities and Validation Works Completed

8.3.1 Approvals and Licenses

CONSARA (2020a) reported that remediation works were undertaken in late 2019 to mid-2020 as approved under MOD 3.

8.3.2 Remediation Activities

The site was subject to cut and fill activities to achieve final levels, prior to placement of a marker layer over some of the site. Small demountable buildings, concrete paths, retaining walls, a concrete driveway, asphalt, garden beds and terraced gabion were installed at the site.

The Validation Report noted that some excess material was generated during cut and fill activities due in part to the installation of underground services. This had not been contemplated in the original RAP (SLR, 2015) nor the RAP Addendum (CONSARA 2018) and this material was exported from site to a licenced facility, as described below in **Section 8.3.6.**

Aggregate and growing medium were imported to the site to achieve final levels and to assist with landscaping. Figures provided in **Appendix C** show the site layout and the portion of the site to be used for recreation/open space activities and commercial/industrial activities.

8.3.3 Soil Validation Sampling and Analysis

CONSARA (2020a) reported soil validation works were performed in general accordance with the Validation Sampling, Analytical and Quality Plan (SAQP) described in the RAP Addendum. Validation activities consisted of site observations and sampling and analysis for heavy metals, BTEX/TRH, PAHs, OCPs, OPPs, total phenolics, PCBs and asbestos, unless otherwise indicated. The fate of each stockpile of material, representing material retained on site together with analytical results are summarised in Table 8.1 below.

Table 8.1 Stockpile sampling & analysis and Fate for material retained on site (CONSARA 2020a)

Stockpile Identifier and volume	Date of Sampling	Sample Identifier	Summary of Analytical Results	Fate of Stockpile
Oversize sandstone rocks and boulders (50 m^3)	N/A	N/A	N/A	Set aside for use in landscaping **Retained on site**
Two Stockpiles, no identifier provided (50 m^3)	9 December 2019	CS_01, CS_07 and CS_08	Metals at less than HIL-C concentrations and organic compounds were non-detects, aside from minor detections of PAHs, less than HIL-C, asbestos <0.1g/kg.	Backfill void along excavation for retaining wall and benching for landscaping. **Retained on site**
SP01, SP02, SP03 and SP04 (150 m^3)	14 January 2019	SP01_01, SP02_01, SP03_01 & SP03_02, SP04_01		Backfill underground service trenches and backfill the voids along the excavation for a retaining wall **Retained on site**
SP_ACM (100 m^3)	14 January 2019	SP_ACM_01, SP_ACM_03	Metals at less than HIL-C concentrations and organic compounds were non-detects, aside from minor detections of PAHs, less than HIL-C, asbestos <0.1g/kg.	Installed beneath the terraced gabions. **Retained on site**
	14 January 2019	SP_ACM_02, and SP_ACM_FRAG (fragment of bonded cement sheet)	Asbestos <0.1g/kg for SP_ACM_02. SP_ACM_FRAG contained chrysotile and crocidolite asbestos	

With regards SP_ACM, the auditor notes that it has been retained on site and has been installed beneath the terraced gabions. The works were supervised by Alliance Geotechnical and their reports summarising the works was included in the Validation Report. It indicated that no airborne asbestos fibres were detected above detection limits during the works and that no visible asbestos was observed on the surface soils after placement works had been completed. Photos included in the Validation Report indicate that the marker layer was placed over the asbestos containing material.

8.3.4 Placement of Marker Layer and Surface Treatments

As described in RAP addendum and the Validation Report (CONSARA 2018 and 2020a) a marker layer was installed over approximately one third of the site as shown in **Appendix C** prior to the installation of landscaping materials and the terraced gabions. The remainder of the site is overlain by buildings, concrete pavements and the driveway, and no marker is installed in these areas.

Specifications for the marker layer were included in the Validation Report and the marker layer appears fit for purpose, as it is designed for "separating contaminated from non-contaminated soils".

Photographs were included in the Validation Report showing the marker layer during installation and a small portion of it was visible during the site visit of 19 May 2020. The auditor is satisfied that the marker layer has been installed appropriately.

The marker layer was overlain with capping material consisting of landscaping materials that were imported to site.

8.3.5 Imported Material Assessment

Materials imported to site included bedding sands, recovered aggregate, and growing medium. The recovered aggregate was found to comply with the recovered aggregate exemptions under the *Protection of the Environment, Operations Act (1997)* (POEO Act). CONSARA (2020a) reported that the materials were inspected at the suppliers' premises prior to importation to site, as well as once they had arrived at the site. In addition, CONSARA performed sampling and analysis on growing medium and sands brought to the site. This is summarised in Table 8.2, below.

Table 8.2 Summary of Imported Materials (CONSARA 2020a)

Material	Quantity imported	Inspections	Samples Identifier	Summary of Analytical Results
Bedding Sands from crushed concrete and brick	223.8 tonnes	At source site and upon arrival at the site	IM_01 to IM_04	Metals and PAHs less than LOR or less than remediation criteria. All metals <50 mg/kg, TRH/BTEX, OCPs/OPPs, PCBs less than LOR. No asbestos detected above reporting limit of 0.1 g/kg
Recovered aggregate 20 mm	76.1 tonnes	At source site and upon arrival at the site	RA-20-10 to RA-20-05	Analysed for asbestos only: No asbestos detected above reporting limit of 0.1 g/kg
Recovered aggregate DGB20	223.4 tonnes	At source site and upon arrival at the site	DGB-01 to DGB-04	Metals and PAHs less than LOR or less than remediation criteria. Detections of Aldrin ranged from <0.1 to 0.2, but less than remediation criteria. TRH/BTEX, OPPs, PCBs less than LOR No asbestos detected above reporting limit of 0.1 g/kg
"Organic Garden Mix"	96 m^3	Upon arrival at the site	TS-01 to TS-05	Metals, TRH and PAHs less than LOR or less than remediation criteria. TRH/BTEX, OPPs, PCBs less than LOR No asbestos detected above reporting limit of 0.1 g/kg
Bedding Sands	Unknown, "small stockpile"	At the site	BS-01	Metals and PAHs less than LOR or less than remediation criteria. All metals <50 mg/kg TRH/BTEX, OCPs/OPPs, PCBs less than LOR No asbestos detected above reporting limit of 0.1 g/kg
"Forest Blend" mulch	30 m^3	Upon arrival at the site	N/A	N/A

Suppliers included Australian Native Landscapes (ANL), Concrete Recyclers, Metropolitan Demolitions and Benedict Industries.

Inspection by CONSARA at the site post-delivery reportedly confirmed that the imported materials did not contain any of the following:

- Foreign substances, suspicious staining, sheens and/or odours;
- Marine mud, peat, vegetation, timber, organic, soluble or perishable materials,

- Dangerous or toxic material or material susceptible to combustion;
- Metal, rubber, plastic or synthetic material or other forms of general rubbish;
- Materials that potentially contained asbestos; and/or
- Construction/demolition debris.

Delivery dockets for imported materials were included in the Validation Report. The auditor has spot checked quantities shown on the dockets and they align with quantities reported within the Validation Report.

8.3.6 Soil Waste Classification

During civil works at the site excess material were generated, primarily as a result of the installation of in-ground utilities. The Validation Report indicates that the wastes were classified and managed in accordance with the *Waste Classification Guidelines, Part 1: Classifying Waste* (EPA, 2014).

CONSARA sampled the materials from stockpiles at the site and prepared five waste classification letters. The dates, classifications and tonnages are shown below:

- 12 December 2019, General solid waste (non-putrescible), 961 tonnes;
- 6 March 2020, General solid waste (non-putrescible), 306 tonnes;
- 21 March 2020, General solid waste (non-putrescible), 117 tonnes;
- 15 April 2020, General solid waste (non-putrescible), 207 tonnes; and
- 13 May 2020, General solid waste (non-putrescible), 31 tonnes.

Waste disposal dockets were provided for tonnes of approximately 1622 to Breen Resources at 330 Captain Cook Drive, Kurnell. The auditor accessed the EPA register on[4]and notes that there is an Environment Protection License 4608 for Breen Resources allowing general solid waste (non putrescible) to be received and disposed to land.

8.4 Departures from the RAP

A summary of the remediation and validation works undertaken at the site have been included above in **Section 8.3**. The RAP Addendum (CONSARA 2018) prepared for the site was reviewed by the auditor and an Interim Audit Advice letter was issued in 2018. Departures from the RAP addendum included the export of waste material from the site.

8.5 Audit Opinions

8.5.1 RAP Addendum

CONSARA's nominated remediation objectives as reported in the Addendum to the RAP (2018) were appropriate and consistent with the proposed site landuses.

The consultant considered a range of remediation/management options and adopted cap and containment of the PAH impacted materials at the site. With consideration to the nature and extent of the identified soil contamination, the auditor accepts the preferred/adopted approach to be appropriate and consistent with relevant NSW EPA guidance. The adopted remediation approach was checked by the auditor and found to be:

- Technically feasible.
- Environmentally justifiable given the nature and extent of the identified contamination.

[4] https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=4608&id=4608&option=licence&searchrange=licence&range=POEO licence&prp=no&status=Issued accessed 22 July 2020

- Consistent with relevant laws, policies and guidelines, since the works were undertaken in a manner which did not appear to result in any relevant regulatory measures being breached.

8.5.2 Extent of Remediation Works

Remediation works conducted at the site involved cut and fill activities to reach final levels followed by installation of new impermeable and permeable surface treatments to provide a cap to prevent access to the underlying fill material by future site users.

The RAP Addendum (CONSARA 2018) described regulatory requirements relating to the remediation works, noting that the works were approved under modifications (MOD 3) to the Minister's consent for the site. No details of notifications to Council or to SafeWork NSW were included in the Validation Report.

The Validation Report (CONSARA 2020a) reported works were conducted in accordance with the RAP Addendum and the MOD 3 plans approved for the site, with deviations to the RAP reported as discussed above in **Section 8.5**.

The remediation works described by the consultant were also consistent with observations made by the site auditor representative during the audit inspection undertaken during the remediation works as outlined in **Section 1.5**.

8.5.3 Validation Works

The Validation Report (CONSARA 2020a) provided tables which adequately summarised the soil laboratory results.

The site plans provided by CONSARA were also prepared to scale and adequately identified the sampling locations relevant to the main site features, boundaries and street frontage.

The reported concentrations of contaminants by CONSARA 2020a were checked against and were found to be consistent with those reported by the laboratory. The laboratory procedures were also appropriate for the identified contaminants of concern and the adopted site validation criteria against which the results were compared.

The validation sampling approach undertaken by CONSARA 2020a comprised both a visual inspection and confirmatory sampling and provided photographic documentation in the validation report.

8.5.4 Waste Classification and Off-site Disposal

CONSARA undertook supplementary waste classification (CONSARA 2020a) of soil intended for off-site disposal during remediation works, in accordance with waste classification guidelines (EPA 2014). Based on review of waste disposal documentation, fill material was disposed from the site as summarised in Section 8.3.6.

Waste disposal documentation was provided by the consultant (CONSARA 2020a) indicates that the waste materials were appropriately classified and taken to facilities lawfully able to accept the waste materials, as classified.

8.5.5 Imported Material

Material imported to site as part of the surface treatments and for landscaping purposes comprised. The material was validated by CONSARA (2020a) as suitable for importation to site as discussed above in **Section 8.4.5**, in accordance with the validation requirements stipulated in the RAP (CONSARA 2018).

The information provided by the consultant indicated that the imported materials were suitable to be brought onto the site for their proposed use. The auditor accepts the information provided as supporting these statements.

8.5.6 Requirements from Interim Audit Advice, 0503-1901-1

The 2018 Interim Audit Advice presented the following opinions:

- *"The remediation strategy documented in the RAP Addendum (CONSARA 2018) was checked by the auditor and found to be technically feasible; environmentally justifiable given the nature and extent of the identified contamination; and generally consistent with relevant laws, policies and guidelines.*
- *"The scope of the RAP Addendum (CONSARA 2018) is considered appropriate to address the nominated remediation objective.*
- *"The auditor notes that the RAP Addendum did not include an assessment for dioxins as required by the previous audit. Following further clarification sought by the auditor, the consultant stated that PCBs included as part of the analytical suite will be utilised as an indicator for the presence of dioxins, noting that PCBs have not been detected in the limited sampling conducted to date. The auditor concurs and considers that the exclusion of dioxins would not materially affect the outcome of the current audit.*
- *"The consultant reported that as no significant excavation works were proposed, neither perched groundwater nor potential acid sulfate soils were expected to be encountered during site redevelopment. The consultant further reported that there is no need to consider remediation options for groundwater at the site, however, reported that consideration should be given to minimising the potential for the mobilisation of contaminants from the fill materials to groundwater that may be present at depth in the sandstone bedrock. The auditor notes that site validation should demonstrate that retained fill material does not pose a risk to groundwater.*
- *"The consultant stated that the construction contractor should prepare a detailed construction environmental management plan (CEMP) in accordance with the CEMP prepared by CONSARA, dated 31 May 2017. The CEMP has not made available for auditor review. A detailed CEMP as well as an Acid Sulfate Soils Management Plan (ASSMP) should be prepared for the site which must be reviewed and accepted by the site auditor prior to commencement of the site remediation works.*
- *"The site management provisions outlined in the RAP (SLR 2015) should be implemented during the remedial works. Additionally, an appropriate Sediment Management Plan will also need to be prepared and implemented as part of the site construction works as required by the previous audit.*
- *"The consultant (CONSARA 2018) stated that a validation report will be prepared at the completion of remediation and validation activities. The consultant noted that the validation report will be prepared in accordance with OEH (2011), EPA (2017) and other relevant NSW EPA guidelines. The validation report will require review and endorsement by the auditor with a SAR and SAS issued upon completion of the remediation works.*
- *"Based on the nature of remediation works proposed for the site, the consultant (CONSARA 2018) stated that a Long-Term Environmental Management Plan (LTEMP) will also be prepared, detailing the long-term management strategy for the site. In accordance with relevant NSW EPA requirements, the EMP must reasonably be able to be made legally enforceable and there must be an appropriate public notification mechanism to inform interested parties a as to the requirements relating to the management of contamination at the site."*

With regards the above, the auditor notes the following.

<u>PCB Analysis</u>

Analysis for PCBs in all samples collected from the soils at the site was undertaken. No PCBs were detected and the auditor is satisfied that further analysis for dioxins was not required.

ASSMP

The ASSMP was not submitted to the auditor prior to commencement of remediation works and the auditor received a copy after preparation of the Validation Report. The auditor notes the following:

- The Validation Report indicated that during excavation works completed for the redevelopment that extended to depths of 1 to 1.5 metres below the current ground surface, there was no evidence of sediments, dredged materials or potentially acid sulphate soils, groundwater or perched groundwater encountered at the site.
- An ASSMP had been prepared as a requirement of MOD 3.
- The Toxicity Characteristic Leaching Procedure (TCLP) had been conducted on materials from the site for the purposes of waste classification. The auditor has reviewed the TCLP results and is satisfied that the risk of leaching of contaminants from the site to groundwater is low.

The auditor considers that the risk from acid sulfate soils to the waters of Blackwattle Bay from material at the site is negligible and acceptable.

CEMP and Sediment Management

The CEMP and Sediment Management Plan were not submitted to the auditor prior to commencement of remediation works and the auditor received a copy after preparation of the Validation Report. The auditor notes the following:

- The CEMP had been prepared as a requirement of MOD 3.
- MOD 3 at condition C34 required that the "…Proponent shall ensure that all the proposed works are carried out in a way that minimises the disturbance of the seabed…" and that "…measures to avoid turbidity and scouring of the sea floor shall be implemented throughout construction works". The CEMP appears to have included management processes such as the requirement that a "slow boring technique" is used to "minimise any localised turbidity for the installation of the support piles for the wharf and pontoons".

The auditor is satisfied that protection of the sediment of Blackwattle Bay has been managed through the consent process.

8.5.7 Overall Conclusions

Overall, the conclusions reached by CONSARA 2020a in relation to the validation of the remediation works undertaken to render the site suitable for the proposed commercial/industrial and recreation/open space land use are considered appropriate and meet the requirements of the site audit.

9. Environmental Management Plan

9.1 Overview

The 2015 SAR concluded that the site could be made suitable subject to the successful implementation of the RAP (SLR 2015c) and a long term Environmental Management Plan (EMP) was required under the conditions of the 2015 SAR.

The RAP Addendum (CONSARA 2018) also contemplated the preparation and implantation of an EMP after remediation at the site, to manage contaminated soils remaining on site that have been retained under a cap. An EMP has been prepared for the site and key features include the maintenance of the cap and procedures for managing the soils beneath the cap in the event of intrusive work.

Table 9.1 Audit Review of the EMP

Required Information	Addressed in EMP	Audit Opinion
Document Status	Document Control details are provided inside the front cover	Adequate
Title "EMP"	The EMP is entitled *Long-Term Environmental Management Plan*	Adequate
Reason for, and purpose of the plan	Purpose of the plan is stated in s1.2 and is to ensure that site users are not exposed to potentially contaminated soils beneath the surface coverings. The EMP also requires that any works that disturb the surface are undertaken protect the health of workers, site users and members of the public. The EMP assigns roles and responsibilities.	Adequate
Time Period	EMP states at S3.5 that it is required to be continually implemented (in perpetuity) to ensure that the Site remains suitable for commercial/industrial and open space/recreational use. This requirement can only be removed if additional remediation and validation works are undertaken and a SAS prepared by a NSW EPA Accredited Site Auditor is issued confirming the suitability of the Site for proposed use/s without the requirement for an EMP.	Adequate
How the plan will be made enforceable	S1.1 indicates that: • TfNSW, the site owner, has responsibility for implementation of the EMP. • MOD 3 requires that a SAS be issued for the site. Implementation of the EMP is required as a condition of the SAS. • Public notification will be made on the Section 10.7(2) certificate for the site (under the *Environmental Planning and Assessment Act, 1979)*.	Adequate
Whether the EMP is active or passive	The EMP is stated to be passive.	The auditor agrees with this assessment.
Parties responsible for implementation and review/maintenance of the plan and their tasks	S3.3 of the EMP outlines the responsibilities for implementation of the EMP. A "responsibility matrix" is presented in Table 1. Positions described in Table 1 of the EMP include: • TfNSW (or nominated representative) • Site Manager, contractor/sub-contractor/environmental consultant. Responsibilities are listed against the roles. These include requirements around communications, inductions,	Adequate

Required Information	Addressed in EMP	Audit Opinion
	maintenance, inspections, record keeping, ensuring compliance with the EMP, supervision, review of the EMP and corrective actions. Pro-forma are provided in appendices for Inductions, inspection records, unexpected finds and complaints.	
Where the plan will be recorded	• Public notification will be made on the Section 10.7(2) certificate for the site (under the *Environmental Planning and Assessment Act, 1979)*. • The EMP will be attached to the SAS for the site. • TfNSW is required to provide a copy of the EMP to the occupiers, supervisors or person-in-charge of occupier/tenant employees and/or contractor/s who are undertaking any works relevant to the EMP.	Adequate
Objectives of the Plan	EMP states that it has been prepared to ensure that: • the surface coverings present across the Site are maintained to ensure that users are not exposed to potentially contaminated soils located beneath these surface coverings; and • Works that require disturbance of surface coverings are undertaken in a manner that protects the health of the workers, users of these areas and members of the public.	Adequate
Site Identification	S2.1 identifies the site as 5-11 Bank Street, Pyrmont with property identifiers for the Site being Lot 22 DP803159, Part Lot 19 DP803159, Lot 21 DP803159 and Part Lot 20 DP803159. The EMP includes site plans.	Adequate
Summary of site history relating to contamination which requires management	S2.2 provides a brief site history and s2.3 identifies the areas of concern at the site, noting that potentially impacted fill has been imported to the site. Potential contaminants are identified as PAHs and fragments of ACM.	Adequate
Current/future site use/layout	Remediation and construction works have been completed at the site. Site plans have been included in the EMP.	Adequate
Identify the contaminants of concern, contaminated media, concentrations and location(s) of the contaminants. Use a site plan to show location(s).	S4 and Table 2 identify the contaminants of concern at the site as TRHs, PAHs, metals, including lead and asbestos. These are identified as being present in the fill across the site.	Concentrations of contaminants are not presented in the EMP. As the management strategy is cap and contain this is adequate.
Summary of geology and hydrogeology	S2.3 describes contaminants are identified as being present in fill across the site. The absence of acid sulfate soils and shallow groundwater encountered during remediation is noted in the EMP.	Adequate for the purposes of the EMP.
Outline the Management Activities and procedures to be applied	S3 describes activities for implementation of the EMP. These include maintenance of surface coverings such as concrete, pavements and roadways as well as landscaping materials such as sandstone rocks, growing media etc. Works are divided into Minor and Major works and s4.2 discusses control measures for current activities and s 4.3 for future activities. Table 3 then outlines the control measures for Minor and Major works. These include the development of safety documentation for any works, use of PPE such as gloves and half face respirator, OH&S practices such as hand washing, the establishment of an exclusion zone around works and	Adequate

Required Information	Addressed in EMP	Audit Opinion
	contingency plans in the event that contamination such as sheens etc are identified during works.	
Management structure and responsibilities	S3.3 states that TfNSW is responsible for ensuring the implementation of the EMP.	Adequate
How the plan will sit in an existing Environmental Management System	No existing Environmental Management System was identified.	Not applicable.
Monitoring of site conditions and site management measures	S3 describes activities to be undertaken during works that might disturb the cap. S3.4 describes record keeping including inspection records.	Adequate
Approval and licensing requirements (if applicable)	Not applicable.	Not applicable.
How the EMP is consistent with conditions of consent under a planning instrument (if applicable)	S1.1 indicates that consent for the remediation and redevelopment works at the site was given under MOD 3 and that condition D25 requires a SAS to be issued by a site auditor.	Adequate
Communications protocols for management activities (if applicable)	Table 1 indicates that TfNSW or representative is responsible for communications.	Adequate
Emergency contacts and response, including 24-hour emergency phone number (if applicable)	Not applicable.	Not applicable.
Contingency plans (if applicable).	Not applicable.	Not applicable.
Relevant sections from SAQP if required.	No monitoring is required, so a SAQP is not required.	N/A
Schedule for EMP review	S3.5 discusses EMP revision triggers. These include change of local government area, jurisdictional changes for TfNSW or if a new SAS is issued for the site.	Adequate
Description of corrective actions and triggers for these actions	S4 lists unexpected finds or an environmental incident such as pollution of waters as triggering corrective actions.	Adequate
List of stakeholders	Table 1 lists stakeholders	Adequate
Outline details for how affected stakeholders including how potential purchasers will be notified of the existing/residual contamination and the EMP	• Public notification will be made on the Section 10.7(2) certificate for the site (under the *Environmental Planning and Assessment Act, 1979).* • The EMP will be attached to the SAS for the site and the auditor will provide the SAS to the City of Sydney Council.	Adequate
How the EMP is communicated and made enforceable, including any financial assurance requirements.	• The EMP will be attached to the SAS for the site. • TfNSW is required to provide a copy of the EMP to the occupiers, supervisors or person-in-charge of occupier/tenant employees and/or contractor/s who are undertaking any works relevant to the EMP.	Adequate
Outline details for informing stakeholders of changes to	TfNSW is responsible for communications with stakeholders, as described in Table 1.	Adequate

Required Information	Addressed in EMP	Audit Opinion
activities and/or responsible parties.		

9.2 Audit Findings

As outlined in **Table 9.1**, the EMP has been reviewed by the auditor in accordance with the checklist provided in the *Consultants Reporting on Contaminated Land Guidelines* (EPA 2020). The auditor considers that the appropriate conditions of the implementation of an EMP as described in *Guidelines for the NSW Site Auditor Scheme (3rd edition)* (EPA, 2017) have been met, namely:

- The EMP has been reviewed by the auditor;
- The EMP can be made legally enforceable and there will be appropriate public notification of restrictions applying to the site, given the requirements imposed by the Consent Conditions;
- The EMP is adequate for enabling the management of residual contamination beneath the cap at the site.

Based on the above, the auditor considers that the EMP will provide an adequate framework for the management of the TRH, PAHs, metals and asbestos contamination in soils at the site.

10. Evaluation of Landuse Suitability

In assessing the suitability of a site for an existing or proposed landuse in an urban context, the decision process for assessing urban redevelopment sites should be followed (Page 46 and 47, EPA 2017), as discussed in the following sections.

This audit was undertaken with the objective of independently reviewing the Validation Report (CONSARA 2020a)and the EMP (CONSARA 2020b) to determine if the land is suitable for open space/recreational use commercial/industrial land use subject to implementation of the processes outlined in the EMP.

10.1 Reporting in accordance with EPA requirements

The documents provided by the consultants have been checked against and meet the requirements of EPA 2020. As such, the reporting of the site remediation and validation process is considered to be appropriate and meets the requirements of this audit.

10.2 Aesthetic have been addressed

CONSARA provided adequate consideration to odours, soil discolouration and anthropogenic materials during the remediation/validation works.

As such, aesthetic issues are considered to have been adequately addressed.

10.3 Soils have been assessed against the appropriate investigation levels

The site assessment criteria adopted by CONSARA (2020a) have been checked against and are generally consistent with, appropriate criteria endorsed by the EPA. CONSARA adopted appropriate criteria considering the proposed open space/recreational use and commercial/industrial use.

The remediation and validation works were generally conducted in general accordance with the RAP Addendum (CONSARA 2018) and criteria endorsed by the EPA.

10.4 Groundwater has been assessed against appropriate investigation levels

Groundwater has not been assessed at the site. Groundwater was not encountered during remediation and civil works, no gross contamination was encountered, and TCLP analysis for waste classification purposes indicated that the leachability potential of contaminants to groundwater is negligible. The auditor is satisfied that potential for groundwater to be impacted at the site is low.

10.5 Background soil concentrations have been adequately addressed

No issues relating to background soil concentrations were identified as part of the site investigation process. Hence, there was no requirements to give any further consideration to background soil concentrations.

10.6 All impacts of chemical mixtures have been assessed

No issues relating to chemical mixtures in relation to identified contaminants of concern were identified. Hence, there was no requirement to give any further consideration to the impact of chemical mixtures.

10.7 Any potential ecological risks have been assessed

As part of the site assessment process, no potential ecological risks were identified which required remediation. As such, potential ecological risks have been adequately assessed.

10.8 Site management strategy is appropriate

Based on the remedial strategy adopted for the site, an EMP (CONSARA 2020b) has been prepared for the site. The EMP has been prepared to address residual risks relating to contaminated materials remaining at the site beneath the cap that has been installed at the site.

The auditor considers that the contamination management and unexcepted finds protocol and associated procedures prepared by the consultant (CONSARA 2020b) in the EMP are acceptable to address the residual contamination issues relating to impacted fill material at the site.

The auditor is satisfied that the EMP (CONSARA 2020b) will be reasonably able to be legally enforceable and have appropriate public notification mechanism, given that the cap/containment approach was approved as part of the development assessment and approval framework (which imposed conditions relating to the management of contamination which are legally enforceable) and there are legal obligations imposed by relevant WHS legislation and regulations in relation to the management of asbestos in the workplace.

10.9 Contaminant migration (actual or potential) has been addressed

The potential for contaminant migration was considered as part of the site assessment process and, as such, is considered by the auditor to have been appropriately addressed.

11. Audit Summary Opinion

On the basis of the findings of the site audit, and subject to the limitations in **Section 11**, the following summary opinions are provided:

- The site remediation and validation works are considered to have met the requirements of the Contaminated Land Management: Guidelines for the NSW Site Auditor Scheme (3rd Edition) (EPA 2017).
- The 2015 SAR indicated that contamination was present at the site, and a RAP was assessed and found to be appropriate. An Addendum to the RAP (CONSARA 2018) was subsequently prepared.
- The RAP Addendum (CONSARA 2018) prepared for the site addressed the identified contamination issues as they relate to the proposed uses of the site. The remediation approach documented in the RAP Addendum was checked by the auditor and was found to be technically feasible, environmentally justifiable given the nature and extent of the identified contamination and consistent with relevant laws, policies and guidelines.
- The remediation works completed at the site included excavation and off-site disposal of impacted soils and a cap and containment strategy for the remaining impacted fill material at the site.
- Given the nature of the identified contamination and the remediation works undertaken, there was no evidence of potential or actual migration of contaminants from the site which may result in unacceptable risks to surrounding human or ecological receptors.
- The auditor considers that the remediation and validation works were generally completed in accordance with the requirements of the RAP Addendum (CONSARA 2018) and auditor advice.
- The site is considered suitable for ongoing commercial/industrial and open space recreational use as defined in Section 3 of Schedule B7 NEPC 2013.
- Due to the presence of PAHs and asbestos below the ground surface, the suitability of the site for ongoing recreational/open space and commercial/industrial use is subject to the implementation of an Environmental Management Plan (EMP) (CONSARA 2020b). The auditor is satisfied that the EMP will be reasonably able to be legally enforceable and have appropriate public notification mechanism, given that the cap/containment approach was approved as part of the development assessment and approval framework (which imposed conditions relating to the management of contamination which are legally enforceable) and there are legal obligations imposed by relevant WHS legislation and regulations in relation to the management of asbestos in the workplace.

12. Limitations

This audit was conducted with a reasonable level of scrutiny, care and diligence on behalf of the client for the purposes outlined in the Contaminated Land Management Act 1997. The data used to support the conclusions reached in this audit were obtained by other consultants and the limitations which apply to the consultant's report(s) apply equally to this audit report.

Every reasonable effort has been made to identify and obtain all relevant data, reports and other information that provide evidence about the condition of the site, and those that were held by the client and the client's consultants, or that were readily available. No liability can be accepted for unreported omissions, alterations or errors in the data collected and presented by other consultants. Accordingly, the data and information presented by others are taken and interpreted in good faith.

Sampling and chemical analysis of environmental media is based on appropriate guidance documents made and approved by the relevant regulatory authorities. Conclusions arising from the review and assessment of environmental data are based on the sampling and analysis considered appropriate based on the regulatory requirements.

Limited sampling and laboratory analyses were undertaken as part of the investigations reviewed, as described herein. Ground conditions between sampling locations and media may vary, and this should be considered when extrapolating between sampling points. Chemical analytes are based on the information detailed in the site history. Further chemicals or categories of chemicals may exist at the site, which were not identified in the site history and which may not be expected at the site.

Changes to the subsurface conditions may occur subsequent to the investigations described herein, through natural processes or through the intentional or accidental addition of contaminants. The conclusions and recommendations reached in this audit are based on the information obtained at the time of the investigations.

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, JBS&G and the Site Auditor reserve the right to review the report in the context of the additional information, subject to meeting relevant guideline requirements imposed by the EPA.

Appendix A Guidelines made or Approved by the EPA

Guidelines made or approved by the EPA (s.105 CLM Act 1997)

Assessment and Management of Hazardous Ground Gases: Contaminated Land Guidelines (EPA, 2019, amended 2020)

Australian and New Zealand Guidelines for Fresh and Marine Water Quality (ANZG, August 2018)

Australian Drinking Water Guidelines, National Health and Medical Research Council and Agriculture and Resource Management Council of Australia and New Zealand, 2011 (NHMRC/NRMMC 2011)

Australian Water Quality Guidelines for Fresh and Marine Water Quality, Volume 3, Primary Industries – Rationale and Background Information (ANZECC & ARMCANZ, 2000)

Composite Sampling, Lock, W. H., National Environmental Health Forum Monographs, Soil Series No.3, 1996, SA Health Commission, (NEHF 1996)

Contaminated Sites: Sampling Design Guidelines, NSW EPA, 1995 (EPA 1995a)

Consultants Reporting on Contaminated Land: Contaminated Land Guidelines, NSW EPA, 2020 (EPA 2020)

Contaminated Sites: Guidelines for Assessing Banana Plantation Sites, NSW EPA, 1997 (EPA 1997)

Contaminated Sites: Guidelines for Assessing Former Orchards and Market Gardens, NSW EPA, 2005 (EPA 2005)

Contaminated Sites: Guidelines for the Vertical Mixing of Soil on Former Broad-Acre Agricultural Land, NSW EPA, 1995 (EPA 1995b)

Contaminated Sites: Guidelines for the NSW Site Auditor Scheme (3rd Edition), NSW EPA, 2017 (EPA 2017)

Contaminated Sites: Guidelines for the Assessment and Management of Groundwater Contamination, NSW EPA, March 2007 (EPA 2007)

Contaminated Sites: Guidelines on the Duty to Report Contamination under the Contaminated Land Management Act 1997, NSW EPA, June 2009 (EPA 2009)

Environmental Health Risk Assessment: Guidelines for assessing human health risks from environmental hazards, Department of Health and Ageing and EnHealth Council, Commonwealth of Australia, June 2012 (EnHealth 2012)

Guidelines for the Assessment and Clean Up of Cattle Tick Dip Sites for Residential Purposes, NSW Agriculture and CMPS&F Environmental (February 1996)

National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended 2013, National Environment Protection Council (NEPC 2013)

Appendix B Audit Correspondence

NSW Site Auditor Scheme

Site Audit Statement

A site audit statement summarises the findings of a site audit. For full details of the site auditor's findings, evaluations and conclusions, refer to the associated site audit report.

This form was approved under the *Contaminated Land Management Act 1997* on 12 October 2017.

For information about completing this form, go to Part IV.

Part I: Site audit identification

Site audit statement no. 0503-1902

This site audit is a:

☑ statutory audit

❒ non-statutory audit

within the meaning of the *Contaminated Land Management Act 1997*.

Site auditor details

(As accredited under the *Contaminated Land Management Act 1997*)

Name Andrew Lau

Company JBS&G

Address Level 1, 50 Margaret St

Sydney Postcode 2000

Phone 02 8245 0300

Email: ALau@jbsg.com.au

Site details

Address: 5 – 11 Bank St

Pyrmont Postcode 2009

Property description

(Attach a separate list if several properties are included in the site audit.)

Lot 22, DP803159; Part Lot 19, DP803159; Lot 21, DP803159 and Part Lot 20 DP803159

Local government area City of Sydney

Area of site (include units, e.g. hectares) 3600 m^2

Current zoning RE1: Public Recreation.

Regulation and notification

To the best of my knowledge:

☐ ~~**the site is** the subject of a declaration, order, agreement, proposal or notice under the *Contaminated Land Management Act 1997* or the *Environmentally Hazardous Chemicals Act 1985,* as follows: (provide the no. if applicable)~~

- ☐ ~~Declaration no.~~
- ☐ ~~Order no.~~
- ☐ ~~Proposal no.~~
- ☐ ~~Notice no.~~

☑ **the site is not** the subject of a declaration, order, proposal or notice under the *Contaminated Land Management Act 1997* or the *Environmentally Hazardous Chemicals Act 1985*.

To the best of my knowledge:

☐ ~~the site **has** been notified to the EPA under section 60 of the *Contaminated Land Management Act 1997*~~

☑ the site **has not** been notified to the EPA under section 60 of the *Contaminated Land Management Act 1997*.

Site audit commissioned by

Name	Julian Burgess
Company	Transport for NSW
Address	33 James Craig Road
	Rozelle Postcode 2039
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Contact details for contact person (if different from above)

Name

Phone

Email

~~Nature of statutory requirements~~ ~~(not applicable for non-statutory audits)~~

☐ ~~Requirements under the *Contaminated Land Management Act* 1997 (e.g. management order; please specify, including date of issue)~~

☐ ~~Requirements imposed by an environmental planning instrument (please specify, including date of issue)~~

☑ Development consent requirements under the *Environmental Planning and Assessment Act 1979* (please specify consent authority and date of issue)

MP 11_0001 (MOD 3), Minister for Planning, 12th December 2018

☐ ~~Requirements under other legislation (please specify, including date of issue)~~

Purpose of site audit

☐ ~~**A1** To determine land use suitability~~

~~Intended uses of the land:~~

OR

☑ **A2** To determine land use suitability subject to compliance with either an active or passive environmental management plan

Intended uses of the land:___ Land based Maritime facility and recreational area.

OR

~~(Tick all that apply)~~

☐ ~~**B1** To determine the nature and extent of contamination~~

☐ ~~**B2** To determine the appropriateness of:~~

- ☐ ~~an investigation plan~~
- ☐ ~~a remediation plan~~
- ☐ ~~a management plan~~

☐ ~~**B3** To determine the appropriateness of a **site testing plan** to determine if groundwater is safe and suitable for its intended use as required by the *Temporary Water Restrictions Order for the Botany Sands Groundwater Resource 2017*~~

☐ ~~**B4** To determine the compliance with an approved:~~

- ☐ ~~**voluntary management proposal** or~~
- ☐ ~~**management order** under the *Contaminated Land Management Act 1997*~~

☐ ~~**B5** To determine if the land can be made suitable for a particular use (or uses) if the site is remediated or managed in accordance with a specified plan.~~

~~Intended uses of the land:~~

Information sources for site audit

Consultancies which conducted the site investigations and/or remediation:

SLR, CONSARA

Titles of reports reviewed:

- *Remedial Action Plan, Sydney Heritage Fleet Base, Bank Street, Pyrmont,* NSW, SLR Consulting Pty Ltd, 23 April 2015 (SLR 2015);
- *Addendum to Remedial Action Plan, Maritime Facility, 5-11 Bank Street, Pyrmont NSW,* CONSARA Pty Ltd, 10 September 2018 (CONSARA 2018);
- *Bank Street Commercial Wharf – Dry Works Appendix B5 – DRAFT Acid Sulfate Soils Management Plan*, Christie Civil Pty Ltd, November 2019 (Christie Civil 2019);

- *Construction Environmental Management Plan, Bank Street Commercial Wharf,* Roads and Maritime Services (RMS), November 2019 (RMS, 2019), including reference to *Erosion and Sediment Control Plan – C4.01 Siteworks Plan & Details,* Christie Civil Pty Ltd;
- *Validation Report, Maritime Facility, Northern Part of 5-11 Bank St, Pyrmont, NSW,* Document Ref: C151008_RPT_10Jul2020E, CONSARA Pty Ltd, 10 July 2020 (CONSARA 2020a) ("the Validation Report") and an earlier draft dated 15 June 2020; and
- *Long-Term Environmental Management Plan, Maritime Facility, Northern Part of 5-11 Bank St, Pyrmont, NSW,* Document Ref: C151008_LTEMP_10Jul2020, CONSARA Pty Ltd, 10 July 2020 (CONSARA 2020b) ("the EMP") and an earlier draft dated 23 June 2020.

Other information reviewed, including previous site audit reports and statements relating to the site:

Site Audit Report, Bank Street, Pyrmont, 0503-1410, (Audit No. 0503-1410), JBS&G, 28 April 2015

Site Audit Statement No 0503-1410, JBS&G, 28 April 2015

Site audit report details

Title Site Audit Report, Maritime Facility, Northern Portion, 5 – 11 Bank St, Pyrmont

Report no. 0503-1902 Date 30 July 2020

Part II: Auditor's findings

Please complete either Section A1, Section A2 or Section B, not more than one section. (Strike out the irrelevant sections.)

- Use **Section A1** where site investigation and/or remediation has been completed and a conclusion can be drawn on the suitability of land uses **without the implementation** of an environmental management plan.
- Use **Section A2** where site investigation and/or remediation has been completed and a conclusion can be drawn on the suitability of land uses **with the implementation** of an active or passive environmental management plan.
- Use **Section B** where the audit is to determine:
  - (B1) the nature and extent of contamination, and/or
  - (B2) the appropriateness of an investigation, remediation or management plan[1], and/or
  - (B3) the appropriateness of a site testing plan in accordance with the *Temporary Water Restrictions Order for the Botany Sands Groundwater Source 2017*, and/or
  - (B4) whether the terms of the approved voluntary management proposal or management order have been complied with, and/or
  - (B5) whether the site can be made suitable for a specified land use (or uses) if the site is remediated or managed in accordance with the implementation of a specified plan.

[1] For simplicity, this statement uses the term 'plan' to refer to both plans and reports.

Section A1

I certify that, in my opinion:

~~The **site is suitable** for the following uses:~~

~~(Tick all appropriate uses and strike out those not applicable.)~~

- ☐ ~~Residential, including substantial vegetable garden and poultry~~
- ☐ ~~Residential, including substantial vegetable garden, excluding poultry~~
- ☐ ~~Residential with accessible soil, including garden (minimal home-grown produce contributing less than 10% fruit and vegetable intake), excluding poultry~~
- ☐ ~~Day care centre, preschool, primary school~~
- ☐ ~~Residential with minimal opportunity for soil access, including units~~
- ☐ ~~Secondary school~~
- ☐ ~~Park, recreational open space, playing field~~
- ☐ ~~Commercial/industrial~~
- ☐ ~~Other (please specify):~~

_____

~~**OR**~~

- ☐ ~~I certify that, in my opinion, the **site is not suitable** for any use due to the risk of harm from contamination.~~

~~Overall comments:~~

_____

_____

_____

_____

_____

_____

Section A2

I certify that, in my opinion:

Subject to compliance with the **attached** environmental management plan[2] (EMP), the site is suitable for the following uses:

(Tick all appropriate uses and strike out those not applicable.)

❑ ~~Residential, including substantial vegetable garden and poultry~~

❑ ~~Residential, including substantial vegetable garden, excluding poultry~~

❑ ~~Residential with accessible soil, including garden (minimal home-grown produce contributing less than 10% fruit and vegetable intake), excluding poultry~~

❑ ~~Day care centre, preschool, primary school~~

❑ ~~Residential with minimal opportunity for soil access, including units~~

❑ ~~Secondary school~~

☑ Park, recreational open space, playing field

☑ Commercial/industrial

❑ ~~Other (please specify):~~

EMP details

Title: Long-Term Environmental Management Plan, Maritime Facility, Northern Part of 5-11 Bank Street, Pyrmont NSW

Author CONSARA

Date 10 July 2020 No. of pages 37

EMP summary

This EMP (attached) is required to be implemented to address residual contamination on the site.

The EMP: (Tick appropriate box and strike out the other option.)

❑ ~~requires operation and/or maintenance of **active** control systems[3]~~

☑ requires maintenance of **passive** control systems only[3].

[2] Refer to Part IV for an explanation of an environmental management plan.
[3] Refer to Part IV for definitions of active and passive control systems.

Purpose of the EMP:
The EMP was prepared to document procedures that are required to be implemented to manage identified risks to users of the Site to ensure that:

- The surface coverings present across the Site are maintained to ensure that users are not exposed to potentially contaminated soils located beneath these surface coverings; and
- Works that require disturbance of surface coverings are undertaken in a manner that protects the health of the workers, users of these areas and members of the public.

The principal elements of the EMP are to:

- Detail the sub-surface conditions of the Site at the time of preparation of the EMP;
- Detail the surface conditions of the Site at the time of preparation of the EMP and detail the measures to be undertaken to ensure the integrity of these surfaces;
- Assign responsibilities for implementation of the EMP;
- Protect the health of users of the Site by ensuring maintenance of the surface coverings on the Site to prevent exposure to contaminants that may be present in the sub-surface environment; and
- Protect the health of maintenance workers on the Site if the surfaces are disturbed by works.

The control measures set out in the EMP, as set out above, primarily require that the current surface treatments remain in place and as such this plan is considered to be a passive EMP.

Description of the nature of the residual contamination:

Petroleum hydrocarbons, Polyaromatic Hydrocarbons, heavy metals and asbestos in soils.

Summary of the actions required by the EMP:

Maintenance of the cap above residual contaminated soils.

Procedures to be followed if penetrating the cap for maintenance or other civil works.

How the EMP can reasonably be made to be legally enforceable:

Conditions of consent (MOD 3) requires that a SAS be issued for the site. Implementation of the EMP is required as a condition of the SAS.

How there will be appropriate public notification:
Public notification will be made on the Section 10.7(2) certificate for the site (under the Environmental Planning and Assessment Act, 1979).

Overall comments:

- The site remediation and validation works are considered to have met the requirements of the Contaminated Land Management: Guidelines for the NSW Site Auditor Scheme (3rd Edition) (EPA 2017).
- The 2015 SAR indicated that contamination was present at the site, and a RAP was assessed and found to be appropriate. An Addendum to the RAP (CONSARA 2018) was subsequently prepared.
- The RAP Addendum (CONSARA 2018) prepared for the site addressed the identified contamination issues as they relate to the proposed uses of the site. The remediation approach documented in the RAP Addendum was checked by the auditor and was found to be technically feasible, environmentally justifiable given the nature and extent of the identified contamination and consistent with relevant laws, policies and guidelines.
- The remediation works completed at the site included excavation and off-site disposal of impacted soils and a cap and containment strategy for the remaining impacted fill material at the site.
- Given the nature of the identified contamination and the remediation works undertaken, there was no evidence of potential or actual migration of contaminants from the site which may result in unacceptable risks to surrounding human or ecological receptors.
- The auditor considers that the remediation and validation works were generally completed in accordance with the requirements of the RAP Addendum (CONSARA 2018) and auditor advice.
- The site is considered suitable for ongoing commercial/industrial and open space recreational use as defined in Section 3 of Schedule B7 NEPC 2013.
- Due to the presence of PAHs and asbestos below the ground surface, the suitability of the site for ongoing recreational/open space and commercial/industrial use is subject to the implementation of an Environmental Management Plan (EMP) (CONSARA 2020b). The auditor is satisfied that the EMP will be reasonably able to be legally enforceable and have appropriate public notification mechanism, given that the cap/containment approach was approved as part of the development assessment and approval framework (which imposed conditions relating to the management of contamination which are legally enforceable) and there are legal obligations imposed by relevant WHS legislation and regulations in relation to the management of asbestos in the workplace.

Section B

Purpose of the plan[4] which is the subject of this audit:

I certify that, in my opinion:

(B1)

☐ The nature and extent of the contamination **has** been appropriately determined

☐ The nature and extent of the contamination **has not** been appropriately determined

AND/OR (B2)

☐ The investigation, remediation or management plan **is** appropriate for the purpose stated above

☐ The investigation, remediation or management plan **is not** appropriate for the purpose stated above

AND/OR (B3)

☐ The site testing plan:

☐ **is** appropriate to determine

☐ **is not** appropriate to determine

if groundwater is safe and suitable for its intended use as required by the *Temporary Water Restrictions Order for the Botany Sands Groundwater Resource 2017*

AND/OR (B4)

☐ The terms of the approved voluntary management proposal* or management order** (strike out as appropriate):

☐ **have** been complied with

☐ **have not** been complied with.

*voluntary management proposal no.

**management order no.

AND/OR (B5)

☐ The site **can be made suitable** for the following uses:

(Tick all appropriate uses and strike out those not applicable.)

☐ Residential, including substantial vegetable garden and poultry

☐ Residential, including substantial vegetable garden, excluding poultry

[4] For simplicity, this statement uses the term 'plan' to refer to both plans and reports.

- ☐ Residential with accessible soil, including garden (minimal home-grown produce contributing less than 10% fruit and vegetable intake), excluding poultry
- ☐ Day care centre, preschool, primary school
- ☐ Residential with minimal opportunity for soil access, including units
- ☐ Secondary school
- ☐ Park, recreational open space, playing field
- ☐ Commercial/industrial
- ☐ Other (please specify):

IF the site is remediated/managed* in accordance with the following plan (**attached**):

*Strike out as appropriate

Plan title

Plan author

Plan date No. of pages

SUBJECT to compliance with the following condition(s):

Overall comments:

Part III: Auditor's declaration

I am accredited as a site auditor by the NSW Environment Protection Authority (EPA) under the *Contaminated Land Management Act 1997.*

Accreditation no. 0503

I certify that:

- I have completed the site audit free of any conflicts of interest as defined in the *Contaminated Land Management Act 1997,* and
- with due regard to relevant laws and guidelines, I have examined and am familiar with the reports and information referred to in Part I of this site audit, and
- on the basis of inquiries I have made of those individuals immediately responsible for making those reports and obtaining the information referred to in this statement, those reports and that information are, to the best of my knowledge, true, accurate and complete, and
- this statement is, to the best of my knowledge, true, accurate and complete.

I am aware that there are penalties under the *Contaminated Land Management Act 1997* for wilfully making false or misleading statements.

Signed

Date 30 July 2020

Part IV: Explanatory notes

To be complete, a site audit statement form must be issued with all four parts.

How to complete this form

Part I

Part I identifies the auditor, the site, the purpose of the audit and the information used by the auditor in making the site audit findings.

Part II

Part II contains the auditor's opinion of the suitability of the site for specified uses or of the appropriateness of an investigation, or remediation plan or management plan which may enable a particular use. It sets out succinct and definitive information to assist decision-making about the use or uses of the site or a plan or proposal to manage or remediate the site.

The auditor is to complete either Section A1 or Section A2 or Section B of Part II, **not** more than one section.

Section A1

In Section A1 the auditor may conclude that the land is *suitable* for a specified use or uses OR *not suitable* for any beneficial use due to the risk of harm from contamination.

By certifying that the site is *suitable*, an auditor declares that, at the time of completion of the site audit, no further investigation or remediation or management of the site was needed to render the site fit for the specified use(s). **Conditions must not be** imposed on a Section A1 site audit statement. Auditors may include **comments** which are key observations in light of the audit which are not directly related to the suitability of the site for the use(s). These observations may cover aspects relating to the broader environmental context to aid decision-making in relation to the site.

Section A2

In Section A2 the auditor may conclude that the land is *suitable* for a specified use(s) subject to a condition for implementation of an environmental management plan (EMP).

Environmental management plan

Within the context of contaminated sites management, an EMP (sometimes also called a 'site management plan') means a plan which addresses the integration of environmental mitigation and monitoring measures for soil, groundwater and/or hazardous ground gases throughout an existing or proposed land use. An EMP succinctly describes the nature and location of contamination remaining on site and states what the objectives of the plan are, how contaminants will be managed, who will be responsible for the plan's implementation and over what time frame actions specified in the plan will take place.

By certifying that the site is suitable subject to implementation of an EMP, an auditor declares that, at the time of completion of the site audit, there was sufficient information satisfying guidelines made or approved under the *Contaminated Land Management Act 1997*

(CLM Act) to determine that implementation of the EMP was feasible and would enable the specified use(s) of the site and no further investigation or remediation of the site was needed to render the site fit for the specified use(s).

Implementation of an EMP is required to ensure the site remains suitable for the specified use(s). The plan should be legally enforceable: for example, a requirement of a notice under the CLM Act or a development consent condition issued by a planning authority. There should also be appropriate public notification of the plan, e.g. on a certificate issued under s.149 of *the Environmental Planning and Assessment Act 1979*.

Active or passive control systems

Auditors must specify whether the EMP requires operation and/or maintenance of active control systems or requires maintenance of passive control systems only. Active management systems usually incorporate mechanical components and/or require monitoring and, because of this, regular maintenance and inspection are necessary. Most active management systems are applied at sites where if the systems are not implemented an unacceptable risk may occur. Passive management systems usually require minimal management and maintenance and do not usually incorporate mechanical components.

Auditor's comments

Auditors may also include **comments** which are key observations in light of the audit which are not directly related to the suitability of the site for the use(s). These observations may cover aspects relating to the broader environmental context to aid decision-making in relation to the site.

Section B

In Section B the auditor draws conclusions on the nature and extent of contamination, and/or suitability of plans relating to the investigation, remediation or management of the land, and/or the appropriateness of a site testing plan in accordance with the *Temporary Water Restrictions Order for the Botany Sands Groundwater Source 2017*, and/or whether the terms of an approved voluntary management proposal or management order made under the CLM Act have been complied with, and/or whether the site can be made suitable for a specified land use or uses if the site is remediated or managed in accordance with the implementation of a specified plan.

By certifying that a site *can be made suitable* for a use or uses if remediated or managed in accordance with a specified plan, the auditor declares that, at the time the audit was completed, there was sufficient information satisfying guidelines made or approved under the CLM Act to determine that implementation of the plan was feasible and would enable the specified use(s) of the site in the future.

For a site that *can be made suitable*, any **conditions** specified by the auditor in Section B should be limited to minor modifications or additions to the specified plan. However, if the auditor considers that further audits of the site (e.g. to validate remediation) are required, the auditor must note this as a condition in the site audit statement. The condition must not specify an individual auditor, only that further audits are required.

Auditors may also include **comments** which are observations in light of the audit which provide a more complete understanding of the environmental context to aid decision-making in relation to the site.

Part III

In **Part III** the auditor certifies their standing as an accredited auditor under the CLM Act and makes other relevant declarations.

Where to send completed forms

In addition to furnishing a copy of the audit statement to the person(s) who commissioned the site audit, statutory site audit statements must be sent to

- the **NSW Environment Protection Authority**:
  nswauditors@epa.nsw.gov.au or as specified by the EPA

  AND
- the **local council** for the land which is the subject of the audit.

55265-118300
L001 (Interim Advice 0503-1901-1 Rev 0)

10 October 2018

Jack Borozan
Roads and Maritime Services
Via email: Jack.Borozan1@rms.nsw.gov.au

Interim Audit Advice (0503-1901-1): 5-11 Bank Street, Pyrmont NSW

Dear Jack,

1. Introduction

Andrew Lau, of JBS&G Australia Pty Ltd (JBS&G), was engaged on 29 August 2018, by Roads and Maritime Services (RMS, the client), to conduct a site audit at a property located at 5-11 Bank Street, Pyrmont NSW (the site). The site is identified as Lot 22, Lot 19, Lot 21 and Part Lot 20 in DP803159, occupying an area of approximately 3600 m^2.

Andrew Lau ('the auditor') is a Site Auditor accredited by the NSW Environment Protection Authority (EPA) under the *Contaminated Land Management Act 1997* (CLM Act 1997) (Accreditation Number 0503).

A Remedial Action Plan (RAP) was prepared for the site in 2015 (SLR 2015[1]) to address the previously identified contamination issues as part of the proposed development of the site as a maritime facility. The RAP (SLR 2015) was reviewed by the auditor with a Site Audit Statement (SAS) and Site Audit Report (SAR) issued on 28 April 2015 (Audit No. 0503-1410), in response to development consent requirements imposed by the consent authority, Minister for Planning and Infrastructure (MP11_0001, 26 March 2014).

This Interim Audit Advice (IAA) has been prepared to provide an independent review of the suitability and appropriateness of an Addendum to the RAP prepared for the site by the consultant (CONSARA 2018).

2. Reports Reviewed

The documents reviewed as part of the preparation of the IAA included:

- *Addendum to Remediation Action Plan, Maritime Facility, 5-11 Bank Street, Pyrmont NSW*, CONSARA Pty Ltd, 10 September 2018 (CONSARA 2018).

The RAP (SLR 2015) and the previous Site Audit Statement and Report (Audit No. 0503-1410) were also considered as part of the preparation of this IAA.

3. Site Description

The consultant (CONSARA 2018) reported that the site was generally vacant apart from storage of Dragon Boats, with no buildings present. The ground surface was primarily covered with gravel, with minor grassed area and bitumen paved area adjacent to the seawall which formed the site boundary

[1] Remedial Action Plan, Sydney Heritage Fleet Base, Bank Street, Pyrmont, NSW, SLR Consulting Pty Ltd, 23 April 2015

with Blackwattle Bay. Buttresses of the ANZAC Bridge pylons were present in north-western area of the site.

The consultant (CONSARA 2018) reported that the site was bounded to the north by light commercial, high density residential and open space land uses; east by roadways and high density residential land use; south by light industrial and commercial land use and west by Blackwattle Bay.

4. Summary of Contamination Issues

Based on the findings of limited intrusive investigations and RAP (SLR 2015) previously completed at the property and reviewed as part of the previous site audit (Audit No. 0503-1410), PAH impacted soils have been at the site requiring management prior to development for commercial/industrial use (maritime facility) proposed at the time.

Additionally, a number of data gaps have been identified at the site, required to be addressed prior to commencement of earthworks/ construction works:

- Assessment of potential presence of dioxins and phenolic compounds within fill material across the site;
- Characterisation of fill material across the site at appropriate sample density including leachability of identified contaminants;
- Assessment of groundwater quality dependent on the findings of the above soil investigations; and
- Assessment for asbestos in soil in accordance with requirements of WA DoH 2009 guidelines.

5. Remediation Strategy

The preferred remedial strategy (SLR 2015) comprised in-situ capping to provide a suitable physical barrier that would separate future site users from the identified and assumed contamination. The capping was to be achieved through the building footprints and the paved surfaces as part of the proposed redevelopment.

An addendum to the RAP (CONSARA 2018) was subsequently prepared due to changes in the redevelopment plans that occurred since the preparation of the RAP (SLR 2015). The consultant (CONSARA 2018) reported that the site is now proposed for development for commercial/industrial (temporary maritime support facilities) and public open space land uses. The consultant reported that the preferred capping and containment strategy outlined in the RAP was considered to be appropriate and could be achieved under the new redevelopment plans (refer to **Attachment 2**). The remedial approach was outlined in the RAP Addendum (CONSARA 2018) as follows:

- The consultant reported that the capping layer will be constructed on the site in accordance with the detailed plans included in **Attachment 2.** In addition, the marker layer is required to meet conditions including: water permeability, high visibility, rot proof and chemically inert; high tensile strength; cover retained existing site soils; and parallel sheets are to be fixed together or overlap by 0.2 m.
- The consultant reported that a ‘cut to fill’ methodology has been proposed to achieve the final design levels for the site. In order to address data gaps identified during the previous audit, the consultant reported that additional assessment of the fill materials subject to the ‘cut to fill’ works will be conducted during construction works. The consultant reported that fill material will be assessed against the relevant NEPC (2013) criteria for Commercial/Industrial and Recreational landuse for human health and ecological receptors.

- The consultant reported that fill material to be imported to meet final design levels must be classified as virgin excavated natural material (VENM), material covered by an exemption under the POEO Act or other certified material (top soil, growing media, mulch, etc).
- Material excavated for off-site disposal to landfill will be classified in accordance with NSW EPA (2014) *Waste Classification Guidelines*.

6. Validation Strategy

The consultant (CONSARA 2018) provided the following validation approach for the site to confirm the achievement of remediation the objectives:

- During the remediation works, the consultant will undertake periodic site inspections and keep records of observations and photographic evidence;
- A site survey will be undertaken by a Registered Surveyor (minimum of one survey point per 15m x 15 m grid or equivalent) to confirm capping requirements provided in **Attachment 2**;
- Materials generated during the 'cut to fill' program during the construction works will be subject to a sampling analysis program, at a rate of 1 sample per 250 m^3, with analysis for heavy metals, total PAH, benzo(a)pyrene, phenols, PCBs, OCP/OPP, TRH/BTEX and asbestos;
- A program of validation/certification of imported materials required for the construction works;
- A program of sampling and analysis of soil materials that require disposal off-site; and
- The compilation of a validation report including survey, inspection results and records, results of sampling works, materials tracking and as-constructed plans for the construction works completed.

An assessment of validation data quality objectives and detailed validation sampling analysis and quality plan was presented in the RAP Addendum (CONSARA 2018).

7. Audit Opinions

The Addendum to RAP (CONSARA 2018) has been reviewed by the auditor with reference to the previously endorsed RAP (SLR 2015) and was found to have addressed the contamination issues identified at the site. Subject to limitations in **Attachment 1**, the following opinions are presented:

- The remediation strategy documented in the RAP Addendum (CONSARA 2018) was checked by the auditor and found to be technically feasible; environmentally justifiable given the nature and extent of the identified contamination; and generally consistent with relevant laws, policies and guidelines.
- The scope of the RAP Addendum (CONSARA 2018) is considered appropriate to address the nominated remediation objective.
- The auditor notes that the RAP Addendum did not include an assessment for dioxins as required by the previous audit. Following further clarification sought by the auditor, the consultant stated that PCBs included as part of the analytical suite will be utilised as an indicator for the presence of dioxins, noting that PCBs have not been detected in the limited sampling conducted to date. The auditor concurs and considers that the exclusion of dioxins would not materially affect the outcome of the current audit.
- The consultant reported that as no significant excavation works were proposed, neither perched groundwater nor potential acid sulfate soils were expected to be encountered

during site redevelopment. The consultant further reported that there is no need to consider remediation options for groundwater at the site, however, reported that consideration should be given to minimising the potential for the mobilisation of contaminants from the fill materials to groundwater that may be present at depth in the sandstone bedrock. The auditor notes that site validation should demonstrate that retained fill material does not pose a risk to groundwater.

- The consultant stated that the construction contractor should prepare a detailed construction environmental management plan (CEMP) in accordance with the CEMP prepared by CONSARA, dated 31 May 2017. The CEMP has not made available for auditor review. A detailed CEMP as well as an Acid Sulfate Soils Management Plan (ASSMP) should be prepared for the site which must be reviewed and accepted by the site auditor prior to commencement of the site remediation works.
- The site management provisions outlined in the RAP (SLR 2015) should be implemented during the remedial works. Additionally, an appropriate Sediment Management Plan will also need to be prepared and implemented as part of the site construction works as required by the previous audit.
- The consultant (CONSARA 2018) stated that a validation report will be prepared at the completion of remediation and validation activities. The consultant noted that the validation report will be prepared in accordance with OEH (2011), EPA (2017) and other relevant NSW EPA guidelines. The validation report will require review and endorsement by the Auditor with a SAR and SAS issued upon completion of the remediation works.
- Based on the nature of remediation works proposed for the site, the consultant (CONSARA 2018) stated that a Long-Term Environmental Management Plan (LTEMP) will also be prepared, detailing the long-term management strategy for the site. In accordance with relevant NSW EPA requirements, the EMP must reasonably be able to be made legally enforceable and there must be an appropriate public notification mechanism to inform interested parties a as to the requirements relating to the management of contamination at the site.

Please note that this interim advice does not constitute a Site Audit Statement or a Site Audit Report, but is provided to assist in the assessment and management of contamination issues at the site in regard to requirements of the site audit. The information provided herein should not be considered pre-emptive of the final audit conclusions, but rather represent the findings of the audit based on a preliminary review of available site information. Furthermore, the interim advice should not be regarded as approval of any proposed investigations or remedial activities, as any such approval is beyond the scope of an independent auditor.

Should you require clarification, please contact the undersigned on 02 8245 0300 or by email alau@jbsg.com.au.

Yours sincerely:

Andrew Lau
NSW EPA Accredited Site Auditor
JBS&G Australia Pty Ltd

Attachments (1) Limitations
(2) Consultant's Figures

Attachment 1 – Limitations

This audit was conducted with a reasonable level of scrutiny, care and diligence on behalf of the client for the purposes outlined in s.47 (1) of the *Contaminated Land Management Act 1997*. The data used to support the conclusions reached in this audit were obtained by other consultants and the limitations which apply to the consultant's report(s) apply equally to this audit report.

Every reasonable effort has been made to identify and obtain all relevant data, reports and other information that provide evidence about the condition of the site, and those that were held by the client and the client's consultants, or that were readily available. No liability can be accepted for unreported omissions, alterations or errors in the data collected and presented by other consultants. Accordingly, the data and information presented by others are taken and interpreted in good faith.

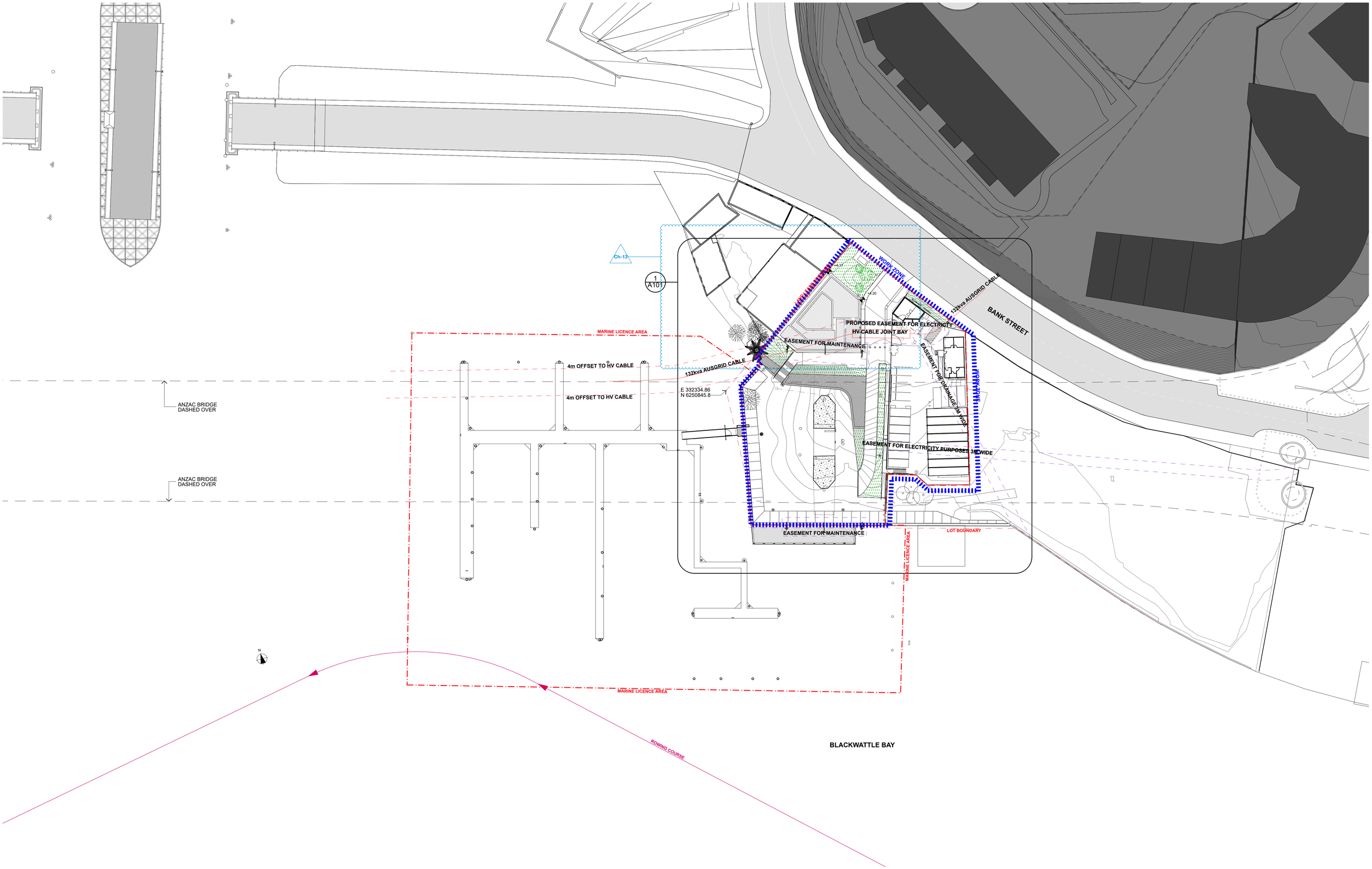
Sampling and chemical analysis of environmental media is based on appropriate guidance documents made and approved by the relevant regulatory authorities. Conclusions arising from the review and assessment of environmental data are based on the sampling and analysis considered appropriate based on the regulatory requirements. Limited sampling and laboratory analyses were undertaken as part of the investigations reviewed, as described herein. Ground conditions between sampling locations and media may vary, and this should be considered when extrapolating between sampling points. Chemical analytes are based on the information detailed in the site history. Further chemicals or categories of chemicals may exist at the site, which were not identified in the site history and which may not be expected at the site.

Changes to the subsurface conditions may occur subsequent to the investigations described herein, through natural processes or through the intentional or accidental addition of contaminants. The conclusions and recommendations reached in this audit are based on the information obtained at the time of the investigations.

Attachment 2 – Consultant's Figures

Figure 1: Site Location Plan
Project: Addendum to RAP, Marina Facility, 5-11 Bank Street Pyrmont NSW
Client: Roads and Maritime Services
—— Approximate Site Boundary

CONSARA
CONTAMINATED SITES assessment ■ remediation ■ advice



1 CONTEXT PLAN
1:500

Figure 2: Site Layout
Project: Addendum to RAP, Marina Facility, 5-11 Bank St Pyrmont NSW
Client: Roads and Maritime Service

CONSARA
CONTAMINATED SITES assessment ■ remediation ■ advice

ISSUE	FOR	DATE
01	Preliminary	16/3/18
A	50%	11/4/18
B	80%	18/4/18
C	100%	26/4/18
D	TENDER	3/5/18
E	TENDER ADDENDA 3	28/8/18

ISSUE	CHANGE ID	CHANGE DESCRIPTION
E	Ch-13	TERRACED LANDSCAPE

CLIENT
RMS

PROJECT NAME
Bank St Commercial Wharf
5-11 Bank Street Pyrmont

PROJECT NUMBER
180201

STRUCTURAL ENGINEER
TLB
02 9409 3300

SERVICES ENGINEER
BSE
02 9922 5200

PROJECT NORTH

SCALE:
1:500 @A1

STATUS
PRELIMINARY

DRAWING TITLE
CONTEXT PLAN

DRAWING NUMBER
A003

REVISION
E

BANK ST COMMERCIAL WHARF

CIVIL TENDER ISSUE

LOCALITY AERIAL
NOT TO SCALE

SOURCE : SIX MAPS

DRAWING SCHEDULE		
DRG No.	DRAWING TITLE	REV.
C1.01	Cover Sheet	8
C1.02	Specification Notes	5
C1.03	Existing Survey	4
C2.01	Sediment and Erosion Control Plan	4
C2.02	Sediment and Erosion Control Details	4
C4.01	Siteworks Plan and Details	8
C4.02	Bulk Earthworks Plan	6
C4.04	Road and Footpath Longitudinal Sections	5
C4.05	Siteworks Details	5
C6.01	Stormwater Layout Plan	7
C6.02	Stormwater Drainage Details	5
C6.03	Stormwater360 Standard Details	4
C9.01	Services Coordination Plan	7

CLIENT
URBAN GROWTH NSW

PROJECT MANAGER
APP PROPERTY AND INFRASTRUCTURE SPECIALISTS

ARCHITECT
BENNET AND TRIMBLE

Warren Smith & Partners

Warren Smith & Partners Pty Ltd
Level 9, 233 Castlereagh Street, Sydney 2000 NSW Australia
02 9299 1312 wsp@warrensmith.com.au
www.warrensmith.com.au **ABN** 36 300 430 126

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TITLE
COVER SHEET

SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	T.K.	N.M.	N.M.	M.C.

JOB No.	DRAWING No.	ISSUE
5721000	C1.01	8

DATE	STATUS
MAR 2018	CIVIL TENDER ISSUE

Plot Date

Cad File: T:\5721000\Drawings\AutoCAD\Civil\Design\Civil 2D\100% Main Works\C1.01 Cover Sheet.dwg
Login Name: MMcGowan
Plot Date: 20.08.2018@12:39:04
Xrefs:

GENERAL

G1. DESIGN HEREIN HAS BEEN PREPARED BY WARREN SMITH AND PARTNERS PTY LTD CONSULTING CIVIL ENGINEERS, LEVEL 9, 233 CASTLEREAGH ST, SYDNEY NSW 2000. TEL:- (02) 9299 1312, FAX:- (02) 9290 1295.

G2. ARCHITECTURAL ENGINEERS DETAILS AS FOLLOWS: BENNETT AND TRIMBLE LEVEL 2, 333 GEORGE STREET SYDNEY NSW 2000 AUSTRALIA TELEPHONE 02 8065 8766

G3. ALL DIMENSIONS IN MILLIMETRES UNO. REDUCED LEVELS AND CHAINAGES ARE IN METRES. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS.

G4. THE PROPOSED WORKS DETAILED HEREIN SHALL BE CONSTRUCTED TO THE REQUIREMENTS OF COUNCIL GENERALLY AS DETAILED HEREUNDER.

G5. ALL EXISTING SERVICES SHALL BE VERIFIED FOR DEPTH AND HORIZONTAL POSITION BY PHYSICAL MEANS PRIOR TO EXCAVATION. ANY DISCREPANCIES SHALL BE BROUGHT FORTHWITH TO THE PROJECT MANAGER'S ATTENTION.

STORMWATER & SUB-SOIL DRAINAGE MATERIALS:

STW1. PIPES AND FITTINGS FOR STORMWATER DRAINAGE SHALL BE AS FOLLOWS UNO ON THE DRAWINGS:
A. SEWER GRADE uPVC (SN8) WITH SOLVENT WELDED JOINTS FOR BELOW GROUND DRAIN3GE UP TO 255mm
B. FIBRE REINFORCED CEMENT CLASS 3 WITH RUBBER RINGS FOR PIPE DIA'S GREATER THAN 225mm. UNO.
C. REINFORCED CONCRETE WHERE REQUIRED BY AS 3500 FOR EXCESSIVE DEPTH.
D. INSTALL IN ACCORDANCE WITH AUSTRALIAN STANDARD AS3500 EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.

STW2. PIPES & FITTINGS FOR SUBSOIL DRAINAGE SHALL BE SLOTTED POLYVINYL CHLORIDE (uPVC) WITH SOLVENT WELDED JOINTS, MIN. 150mm DIAMETER.

STW3. IN GROUND DRAINAGE PIPEWORK SERVING DP's SHALL BE MINIMUM 150mm DIA. UNO.

STW4. GRATED DRAINS SHALL BE 150mm NOM.
A. 150mm NOM. WIDTH IN NON TRAFFICABLE AREAS.
B. 225mm NOM. WIDTH IN TRAFFICABLE AREAS.

STW5. STORMWATER PITS ARE AS SHOWN & SPECIFIED ON THE PLANS . PRECAST TYPE ACCEPTABLE WITH STEP IRONS FOR DEPTH GREATER THAN 1200. BENCH ALL PITS MIN. 50mm & FORM SMOOTH TRANSITION FROM INLET TO OUTLET

STW6. SELECT FILL SHALL BE MATERIAL OBTAINED FROM EXCAVATION OF THE PIPE TRENCH OR IMPORTED WITH A PARTICLE SIZE FOR ROCK NOT GREATER THAN 75mm OR FOR OTHER THAN ROCK NOT GREATER THAN 150mm.

STW7. IMPORTED FILL SHALL BE EITHER, AND GENERALLY CONSIST OF SINGLE SIZED AGGREGATE WITH PARTICLE SIZE NOT GREATER THAN 5mm WRAPPED ALL ROUND WITH GEOTEXTILE FILTER FABRIC OR APPROVED HIGH COMPACTION SAND OR APPROVED CRUSHED ROAD GRAVEL CONFORMING TO RTA FORM 3051 OR SIMILAR.

STW8. STORMWATER PITS AND GRATES TO CONFORM WITH STANDARD COUNCIL REQUIREMENTS, WHERE ON PUBLIC LAND. GRATES TO BE SUPPLIED IN CLASS SHOWN ON THE DRAWINGS.

INSTALLATION REQUIREMENTS:

STW9. PIPES SHALL BE TRUE TO GRADES SHOWN AND ALIGNED SO THAT THE CENTRES OF THE INLET PIPES INTERSECT WITH THE CENTRE OF THE OUTLET PIPE AT THE DOWNSTREAM FACE OF THE PIT.

STW10. MINIMUM GRADES FOR GRAVITY STORMWATER DRAINAGE SHALL CONFORM TO AS3500 PART3 AS FOLLOWS, UNO:
1% FOR 100 AND 150 mm DIA.
0.1% FOR 225 mm DIA
0.5% FOR 300 mm DIA
0.4% FOR 375 mm DIA

STW11. MINIMUM DEPTH OF COVER SHALL BE :-
- 300mm IN PRIVATE PROPERTY (NON VEHICULAR TRAFFIC).
- 450mm IN PUBLIC AREAS.
- 600mm IN VEHICULAR TRAFFICABLE AREAS (FOOTWAY/ROADWAY)

STW12. BED ALL PIPES FIRMLY AND EVENLY ONTO IMPORTED BEDDING FILL MATERIAL.

STW13. LAY AND JOINT ALL PIPES IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND AS 3725-1989 BURIED FLEXIBLE PIPELINES AS 2566-1998 LOADS ON BURIED FLEXIBLE PIPELINES AS 1597.2-1996 PRECAST REINFORCED CONCRETE BOX CULVERTS. AS 3500-1990 NATIONAL PLUMBING & DRAINAGE CODE. PART 2, SANITARY PLUMBING AND SANITARY DRAINAGE. SYDNEY WATER REQUIREMENTS.

STW14. ALLOW TO TEST ALL PIPES AND PITS TO MANUFACTURERS REQUIREMENTS.

CONCRETE WORKS

C1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS3600, THE STANDARDS ASSOCIATION AUSTRALIA, STANDARDS CITED IN AS3600, THE DRAWINGS AND THE SPECIFICATION.

C2. ALL CONCRETE SHALL BE 80mm NOMINAL SLUMP, 20mm MAXIMUM AGGREGATE WITH NO ADMIXTURES OR FLY ASH, UNLESS OTHERWISE APPROVED. ALL CONCRETE WORK IN CONTACT WITH SEWER TO HAVE TYPE SL PORTLAND CEMENT, OTHERWISE TYPE A CEMENT FOR BRIDGE WORKS, A MAXIMUM 56 DAYS SHRINKAGE OF 600 MICROSTRAIN, A MINIMUM CEMENT CONTENT 350kg/m3 AND MAXIMUM WATER:CEMENT RATIO OF 0.40

C3. STRENGTH GRADE OF CONCRETE SHALL BE : 25 MPa (KERBS, EDGE STRIPS & CONCRETE ENCASEMENT) AND 32 MPa ELSEWHERE.

C4. CONSTRUCTION JOINTS SHALL BE PROPERLY FORMED AND USED ONLY WHERE SHOWN OR APPROVED. GENERALLY FOR HAND PLACED KERB & GUTTER 6mm THICK APPROVED BITUMINOUS MASTIC JOINTING MATERIAL SHALL BE PROVIDED AT INTERVALS NOT EXCEEDING 6m. FOR MACHINE PLACED KERB & GUTTER 6mm THICK APPROVED BITUMIOUS MASTIC JOINTING MATERIAL SHALL BE PROVIDED AT INTERVALS NOT EXCEEDING 12m & GUILLOTINED DUMMY GROOVED JOINTS, 25mm IN DEPTH, SHALL BE FORMED EVERY 3m OF GUTTER. JOINTS ARE ALSO REQUIRED AT EACH END OF GUTTER CROSSING AND GULLY PITS. JOINTS SHALL BE SET VERTICAL AND SQUARE TO THE KERB.

C5. REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY AND IS NOT NECESSARILY SHOWN IN TRUE PROJECTION.

C6. ELDING OR SPLICES IN REINFORCEMENT SHALL BE USED ONLY IN POSITIONS APPROVED BY THE ENGINEER.

C7. CONCRETE CURING SHALL BE IN ACCORDANCE WITH AS3600. CURING SHALL BE COMMENCED WITHIN TWO HOURS OF FINISHING OPERATIONS AND SHALL BE CONTINUED FOR A MINIMUM OF SEVEN DAYS BY AN APPROVED PROPRIETARY COMPOUND OR BY KEEPING CONTINUOUSLY WET.

C8. FORMWORK SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH AS3610. FORMWORK SHALL NOT BE STRIPPED NOR PROPS REMOVED WITHOUT APPROVAL.

C9. FABRIC LAP DETAILS SHALL BE IN ACCORDANCE WITH FIG.13.2.4 OF AS3600.

C10. HOOKS, LAPS AND BENDS SHALL BE IN ACCORDANCE WITH AS3600 UNO.

C11. ALL CHEMICAL ANCHORS SHALL BE EITHER 'CHEMSET' BY "RAMSET" WITH THE GLASS CAPSULE SYSTEM INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS OR HILTI HVU ADHESIVE ANCHOR WITH FOIL CAPSULE SYSTEM INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS INSTRUCTION.

C12. ALL CHEMICAL ANCHORS SHALL BE HOT DIPPED GALVANIZED AND BE MIN M16 DIA. U.N.O.

GENERAL EARTHWORKS, SITEWORKS & FILLING:

FILLING:

SGE1. THESE CLAUSES SHALL BE READ IN CONJUNCTION WITH JK GEOTECHNICS GEOTECHNICAL INVESTIGATION REPORT, DATED 18TH MAY 2017 AND CONSARA CEMP REPORT.

SGE2. THE RECOMMENDATIONS CONTAINED IN THE GEOTECH REPORT SHALL OVERRIDE THE CLAUSES PRESENTED HEREIN.

SGE3. STRIP ALL TOPSOIL AND UNDERLYING FILL AND STOCKPILE TOPSOIL FOR LATER REUSE FOR LANDSCAPING PURPOSES

SGE4. NEW FILL REQUIRED TO REINSTATE CUT LEVELS TO PROPOSED BENCHING LEVELS SHALL BE SOURCED FROM OTHER PARTS OF THE EXCAVATION AS SELECT FILL OR IMPORTED FILL AS SPECIFIED BELOW IN SGE 4 AND SGE 5.

SGE5. SELECT FILL SHALL CONSIST OF LOCALLY DERIVED OR CUT NATURAL CLAYS.

SGE6. IMPORTED FILL SHALL CONSIST OF RIPPED SANDSTONE OR SHALE OR SIMILAR MATERIAL WITH MAXIMUM PARTICLE SIZE NOT GREATER THAN 120mm AND A MOISTURE CONTENT WITHIN 2-3% OF STANDARD OPTIMUM.

SGE7. ALL FILL (COHESIVE SOIL) SHALL BE PLACED IN LAYERS OF 200mm MAXIMUM THICKNESS, COMPACTED BY MACHINE ROLLING TO ACHIEVE A DRY DENSITY RATIO OF NOT LESS THAN 98% STANDARD MAXIMUM AT A CORRESPONDING MOISTURE CONTENT WITHIN 2-3% OF STANDARD OPTIMUM.

SGE8. IN AREAS WHERE HIGH IMPACT ROLLING IS USED TEST EACH FINAL LAYER OF NOT GREATER THAN 300mm TO 400mm TO ACHIEVE A DRY DENSITY SGE8. RATIO OF NOT LESS THAN 98% STANDARD MAXIMUM AT A CORRESPONDING MOISTURE CONTENT WITHIN 2-3% OF STANDARD OPTIMUM.

EXCAVATION BATTERS:

SGE9. ALL TEMPORARY BATTERS CUT IN CLAY SUBSTRATE SHALL BE 1 HORIZ : 1 VERT. ALL LONG TERM EXPOSED BATTERS CUT IN CLAY SUBSTRATE SHALL BE 2 HORIZ : 1 VERT. ALL DETENTION BASIN BATTERS IN CLAY SUBSTRATE SHALL BE 3 HORIZ : 1 VERT. ALL DETENTION BASIN BATTERS IN ROCK SUBSTRATE SHALL BE NEAR VERTICAL.

SGE10. GEOTECHNICAL TESTING IS TO BE UNDERTAKEN TO AT LEAST LEVEL 2 CONTROL OF FILL COMPACTION STANDARD, AS DEFINED IN AS. 3738 AS FOLLOWS

- FOR GENERAL FILL OR CUT AREAS OVER THE AREA PROVIDE ONE (1) TEST PER 200mm LAYER, OVER AN AREA NOT GREATER THAN 500 m^2

- FOR GENERAL FILL AREAS IN CONCENTRATED AREAS ADJACENT TO AND BEHIND THE STRUCTURE AND ADJACENT TO AND BEHIND RETAINING WALLS PROVIDE ONE (1) TEST PER 200mm LAYER, OVER AN AREA NOT GREATER THAN 50m^2

SGE11. SUBMIT ALL GEOTECHNICAL TEST RESULTS TO WARREN SMITH & PARTNERS FOR REVIEW PRIOR TO CONTINUATION WITH SUBSEQUENT SECTION OF WORK.

EARTH WORKS FOR SERVICES

E1. EXCAVATE TRENCHES AND STOCKPILE ALL MATERIAL FOR INSPECTION WITH REGARD TO RE-USE FOR TRENCH BACKFILL. REMAINING MATERIAL TO BE REMOVED FROM SITE.

E2. BEDDING MATERIAL SHALL CONSIST OF IMPORTED FILL ONLY. THICKNESS OF BEDDING LAYER SHALL BE 75mm IN O.T.R. AND 200mm IN ROCK.

E3. EMBED ALL PIPES WITH IMPORTED FILL. PROVIDE 200mm SIDE SUPPORT AND 150mm OVERLAY ABOVE PIPE CROWN.

E4. TRENCH FILL ABOVE THE EMBEDMENT ZONE TO THE UNDERSIDE OF THE ROAD PAVEMENT OR FOOTWAY FILL MATERIAL SHALL BE AS FOLLOWS :

UNDER ROADWAY

TRENCH FILL MATERIAL SHALL CONSIST OF IMPORTED FILL AS SPECIFIED HEREIN OF EITHER HIGH GRADE COMPACTION SAND OR APPROVED CRUSHED ROAD GRAVEL CONFORMING TO RTA FORM 3051 OR SIMILAR.

OTHER THAN ROADWAY

TRENCH FILL MATERIAL EXCAVATED SHALL CONSIST OF SELECT FILL AS SPECIFIED HEREIN AND SHALL NOT CONTAIN MORE THAN 20% OF STONES OF SIZE BETWEEN 75mm & 150mm AND NONE LARGER THAN 150mm. PRIOR TO THE USE OF THE EXCAVATED MATERIAL IT SHALL BE INSPECTED AND APPROVED BY THE CONSULTANT.

E5. COMPACT BEDDING, EMBEDMENT AND TRENCH FILL MATERIALS AS FOLLOWS:

EMBEDMENT:-
FOR GRANULAR FILL MATERIAL (NON-COHESIVE SOILS) EG. COARSE AGGREGATE FILL, HIGH GRADE COMPACTION SAND, THE DENSITY INDEX (ID) SHALL BE NOT LESS THAN 70%.

TRENCH FILL:-
FOR GRANULAR MATERIAL (NON-COHESIVE SOILS), THE DENSITY INDEX (ID) SHALL BE NOT LESS THAN 70%.

FOR NON-GRANULAR FILL MATERIAL (COHESIVE SOILS), THE DRY DENSITY RATIO (RD) SHALL BE NOT LESS THAN 95%.

E6. MEASURE OF COMPACTION:-
THE DEGREE OF COMPACTION SHALL BE MEASURED BY ONE OF THE FOLLOWING PARAMETERS :-

GRANULAR FILL (NON-COHESIVE SOILS). THE DENSITY INDEX (ID) DETERMINED IN ACCORDANCE WITH AS 1289.E6.1 BASED ON THE MAXIMUM AND MINIMUM DRY DENSITIES IN ACCORDANCE WITH AS 1289.E5.1 AND THE FIELD DRY DENSITY IN ACCORDANCE WITH AS 1289.5.3.2, AS 1289.E3.5 OR AS 1289.E8.1.

NON-GRANULAR FILL (COHESIVE SOILS). THE DRY DENSITY RATION (RD) DETERMINED IN ACCORDANCE WITH AS 1289.5.4.1 BASED ON THE FIELD DRY DENSITY IN ACCORDANCE WITH AS 1289.5.3.2 AND THE MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289.5.1.1

E7. GEOTECHNICAL TESTING IS TO BE UNDERTAKEN TO AT LEAST LEVEL 2 CONTROL OF FILL COMPACTION STANDARD, AS DEFINED IN AS. 3738 AS FOLLOWS:

- TEST EACH 300mm LAYER ABOVE PIPE CROWN.
- TEST BASE & SUB-BASE LAYERS WHERE APPLICABLE.
- TESTS SHALL BE REQUIRED AT EACH 50m CENTRES WHERE THE LENGTH OF TRENCH IS WITHIN THE 50m REQUIREMENT.

E8. SUBMIT ALL GEOTECHNICAL TEST RESULTS TO WARREN SMITH & PARTNERS FOR REVIEW PRIOR TO CONTINUATION WITH SUBSEQUENT SECTION OF WORK.

RESTORATION:

RES1. RESTORE ALL TRAFFIC AREAS TO PRE EXISTING CONDITION.

RES2. FOR ALL SURFACES OTHER THAN IN TRAFFIC AREAS RESTORE DISTURBED SURFACES TO PRE-EXISTING CONDITIONS AND COMPACT AS SPECIFIED.

RES3. RESTORE ALL AUTHORITY OWNED AREAS TO COUNCIL STANDARDS

ROAD WORKS, DRIVEWAYS & CARPARKS

R1. ALLOW FOR LEVEL 2 TESTING AND SUB-GRADE CONDITIONS & PAVEMENT THICKNESS TO BE VERIFIED BY GEOTECHNICAL CONSULTANT AFTER INSPECTION OF PRELIMINARY BOXING.

R2. ALLOW FOR ANY SUB-GRADE REPLACEMENT WORK TO BE DETERMINED AS REQUIRED BY GEOTECHNICAL CONSULTANT AT THE TIME OF PAVEMENT CONSTRUCTION.

R3. MINIMUM DRY DENSITY RATIOS (AS 1289 3.4.1-1993) TO BE:

BASE COURSE:	98% MODIFIED
SUB-BASE:	95% MODIFIED
SUB-GRADE:	100% STANDARD
SUB-GRADE REPLACEMENT:	100% STANDARD

R4. PAVEMENT MATERIALS TO COMPLY WITH RMS SPECIFICATION No. 3051 OR SIMILAR AS APPROVED BY GEOTECHNICAL CONSULTANT.

R5. PROVIDE (1) TEST FOR EACH LAYER NOT EXCEEDING 250mm THICK BEING BASECOURSE, SUB-BASE & SUB-GRADE OVER AN AREA NOT GREATER THAN 500m^2

R6. SUBMIT ALL GEOTECHNICAL TEST RESULTS TO WARREN SMITH & PARTNERS FOR REVIEW PRIOR TO CONTINUATION WITH SUBSEQUENT SECTION OF WORK.

APPROVALS

A1. THE AS CONSTRUCTED WORKS SHALL BE INSPECTED BY DESIGN CONSULTANT. MINIMUM 48 HOURS NOTICE SHALL APPLY TO ALL INSPECTIONS.

A2. THE DESIGN PLANS HEREIN ARE SUBJECT TO COUNCIL APPROVAL PRIOR TO CONSTRUCTION. OBTAIN EXPRESS (WRITTEN) ADVICE TO PROCEED FROM PROJECT MANAGER PRIOR TO COMMENCEMENT.

A3. SUBMIT WORK-AS-EXECUTED DRAWINGS IN CIVILCAD OR DXF DIGITAL FORMAT AND HARD COPY FORMAT. VERIFY ALL CONSTRUCTION WORKS SHOWN HEREON.

A4. CERTIFY THAT THE AS CONSTRUCTED SYSTEM HAS BEEN BUILT IN ACCORDANCE WITH THE APPROVED PLANS ISSUED FOR CONSTRUCTION.

SERVICES UNDER ROAD SURFACES

S1. ALL OTHER SERVICES INCLUDING BUT NOT LIMITED TO WATER, HYDRANT, GAS, SEWER, ELECTRICAL AND COMMUNICATIONS CONDUITS OR CABLES SHALL BE LAID WITH MINIMUM 600mm U.N.O. COVER BELOW PROPOSED ROAD SURFACE OR APPROVED OTHER MEANS TO PROTECT DURING CONSTRUCTION.

ROAD SIGNS & LINE MARKING

RS1. ALL SIGNS AND LINEMARKING SHALL BE TO RMS STANDARDS AND SPECIFICATIONS AND AS.1742, MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES

RS2. ALL LINEMARKING SHALL BE AUGMENTED BY RETROREFLECTIVE RAISED PAVEMENT MARKERS (RRPMs) AND ALL SHALL BE TO AS 1742.2 - 1994 AND AS 1742.2 /AMDT 1/1997-10-05

RS3. ALL ROAD SIGNS AND POSTS SHALL BE TO AS 1742.2 - 1994 AND AS 1742.2 /AMDT 1/1997-10-05

PROTECTION OF FLORA - REFER SPECIFICATION

1. ANY TRENCHES WITHIN 3m OF TREES SHALL BE HAND DUG TO AVOID DAMAGE TO TREE ROOTS.

2. THE SEWERAGE WORKS HAVE BEEN LOCATED TO MINIMISE CLEARING AND DAMAGE TO THE EXISTING FLORA ENVIRONMENT. NO TREES ARE PERMITTED TO BE REMOVED OR DAMAGED UNO. CONSTRUCTION OF THE SEWER GRAVITY OR RISING MAIN IN THE VICINITY OF EXISTING TREES SHALL BE HAND EXCAVATED ONLY, ENSURING IRREVERSIBLE DAMAGE OF THE ROOT SYSTEM DOES NOT OCCUR.

3. IF IT IS CONSIDERED NECESSARY TO PERFORM ANY WORK ON TREES, INCLUDING TRIMMING, LOPPING, ROOT CUTTING, REPAIR AND REMOVAL, APPLICATION IN WRITING SHALL BE MADE BY THE CONTRACTOR TO THE SUPERINTENDENT. ANY WORK PERMITTED TO BE DONE ON TREES TO BE RETAINED SHALL BE PERFORMED BY AN APPROVED TREE SURGEON.

4. NO MATURE TREES OR SHRUBS ARE TO BE REMOVED FOR THE PURPOSES OF THE WORKS WITHOUT PRIOR APPROVAL OF THE CITY OF SYDNEY COUNCIL.

AUTHORITY STANDARDS

LGA 1. THE DRAWINGS HEREIN SHALL BE READ IN CONJUNCTION WITH LOCAL AUTHORITY'S STANDARDS & SPECIFICATIONS WHICH SHALL OVERRIDE SPECIAL DETAILS SHOWN ON THE DRAWINGS.

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CLOSED CIRCUIT COLOUR TV (CCTV)

CCTV1. UNDERTAKE A CCTV INSPECTION OF ALL THE COMPLETED DRAINAGE IN ACCORDANCE WITH THE GUIDELINES OF THE THE AUSTRALIAN CONDUIT CONDITION EVALUATION MANUAL (ACCEM)

CCTV2. APPLY THE FOLLOWING REQUIREMENTS TO THE CCTV INSPECTION:-
A. USE DATA CAPTURE SOFTWARE APPROVED BY SYDNEY WATER

B. USE CERTIFIED CCTV OPERATORS

C. THE CCTV RECORDING SHALL BE OF QUALITY TO ALLOW ACCURATE ASSESSMENT OF THE INTERNAL CONDITION OF THE PIPE.

CCTV3. FURNISH TO THE DESIGN OF THE CONSULTANT:-
A. VIDEOS IN MPG FORMAT FOR REVIEW
B. CCTV REPORT AND SURVEY DATA IN PDF FORMAT

PRELIMINARY - NOT FOR CONSTRUCTION

DO NOT SCALE FROM DRAWINGS, CHECK & VERIFY ALL DIMENSIONS & LEVELS BEFORE COMMENCEMENT OF ANY WORK.

THIS DRAWING IS NOT TO BE COPIED IN PART OR WHOLE WITHOUT WRITTEN PERMISSION FROM WARREN SMITH AND PARTNERS.

REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
1	50% TENDER ISSUE	10/04/18			
2	90% TENDER ISSUE	18/04/18			
3	CIVIL 100% TENDER ISSUE	26/04/18			
4	CIVIL TENDER ISSUE	04/05/18			
5	CIVIL TENDER RE-ISSUE	10/05/18			

CLIENT: URBAN GROWTH NSW

PROJECT: BANK ST, PYRMONT

PREPARED BY
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CONSULTING ENGINEERS
Hydraulic Services Fire Protection Civil Engineering
Sydney Water Accredited Water Servicing Co-ordinator
- Design Project Management - Building Plan Approvals
SERVING THE CONSTRUCTION INDUSTRY SINCE 1981.
Lic No: QAC/95107771

TITLE: **SPECIFICATION NOTES**

SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	T.K.	N.M.	N.M.	M.C.

JOB No.	DRAWING No.	ISSUE
5721000	C1.02	5

DATE	STATUS
MAR 2018	CIVIL TENDER ISSUE

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SHEET SIZE: A1

Xrefs: M:\5721000\TB_A1H_C.dwt
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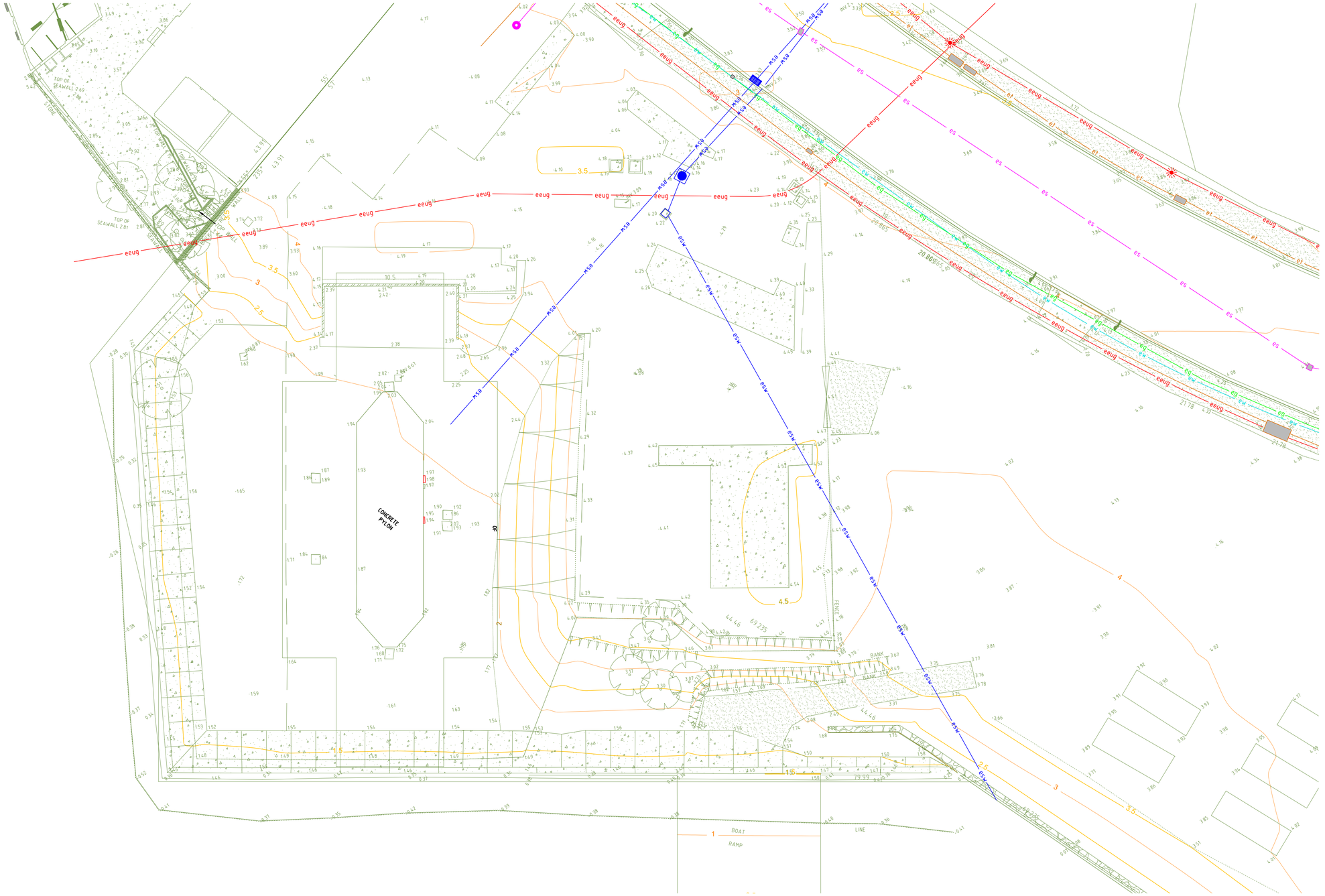
TOP OF SEAWALL 2.69
TOP OF SEAWALL 2.87
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BANK
BOAT RAMP
LINE
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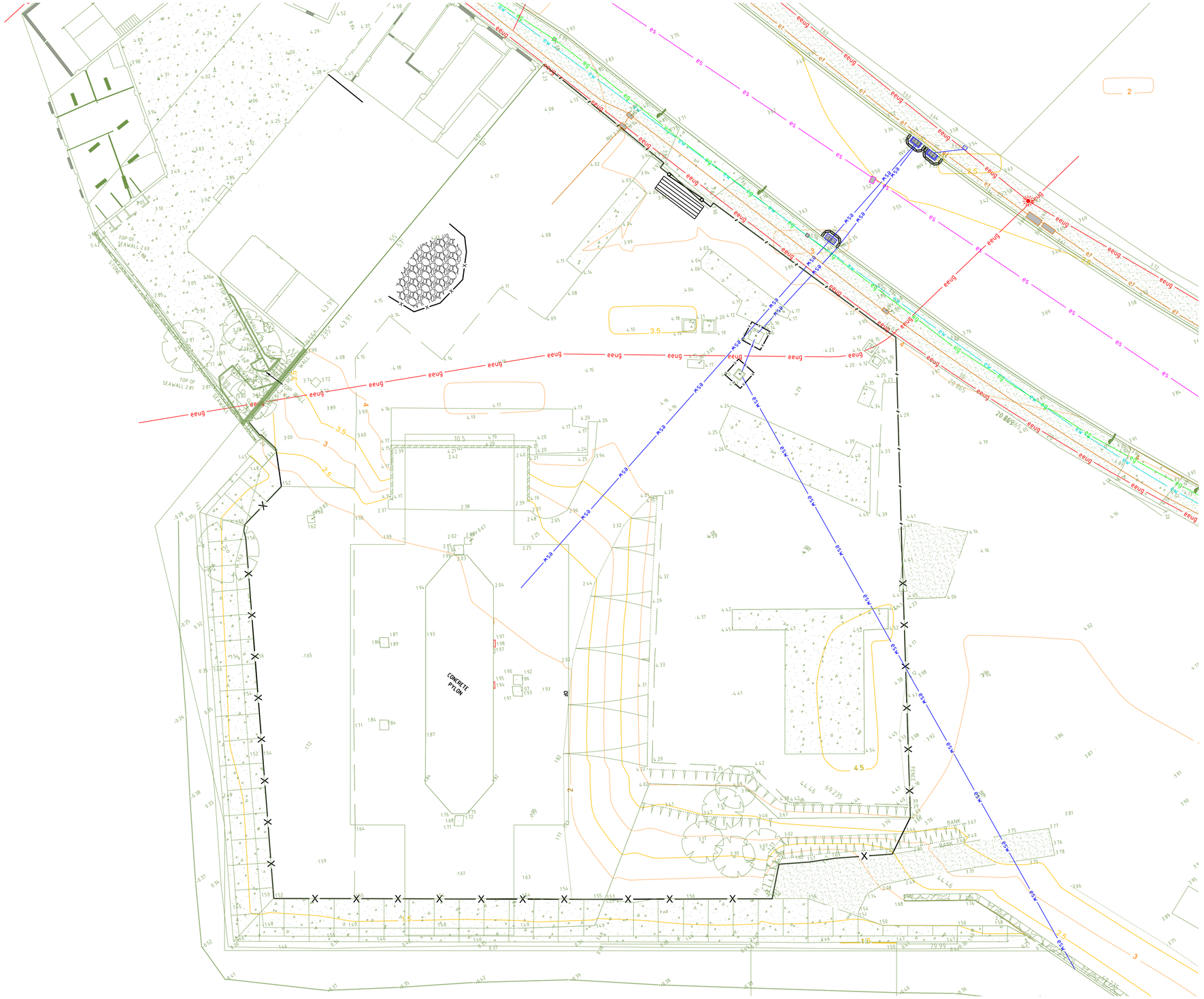

LEGEND

- SITE STOCKPILE
- SITE FENCE
- SITE GATE
- SEDIMENT FENCE
- GEOTEXTILE INLET FILTER - DROP INLET SEDIMENT TRAP
- SEDIMENT TRAP FOR KERB INLET - SAND BAGS
- VEHICLE ENTRY SHAKER GRID

NOTES

1. SEDIMENT AND EROSION CONTROL IS TO BE UNDERTAKEN AS PER DETAILS OUTLINED IN CONSARA CEMP.
2. ALL EXISTING STORMWATER PITS WITHIN THE DEVELOPMENT SITE TO BE FITTED WITH GEOTEXTILE INLET FILTERS.

PRELIMINARY - NOT FOR CONSTRUCTION

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NORTH

2.5 0 2.5 5.0 7.5 10.0m
PLAN SCALE 1:200 A1 SHEET

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150
SHEET SIZE: A1

REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
1	50% TENDER ISSUE	10/04/18			
2	90% TENDER ISSUE	18/04/18			
3	CIVIL 100% TENDER ISSUE	26/04/18			
4	CIVIL TENDER ISSUE	04/05/18			

CLIENT: URBAN GROWTH NSW

PROJECT: BANK ST, PYRMONT

PREPARED BY

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CONSULTING ENGINEERS
Hydraulic Services Fire Protection Civil Engineering
Sydney Water Accredited Water Servicing Co-ordinator
- Design Project Management - Building Plan Approvals

SERVING THE CONSTRUCTION INDUSTRY SINCE 1981.

Lic No: QAC/RB/10771

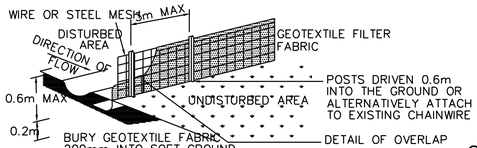
TITLE: **SEDIMENT AND EROSION CONTROL PLAN**

SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	T.K.	N.M.	N.M.	M.C.

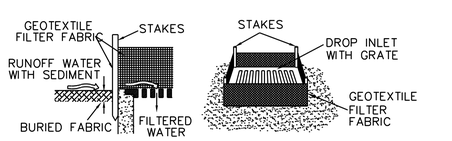
JOB No.	DRAWING No.	ISSUE
5721000	C2.01	4

DATE: MAR 2018 STATUS: CIVIL TENDER ISSUE

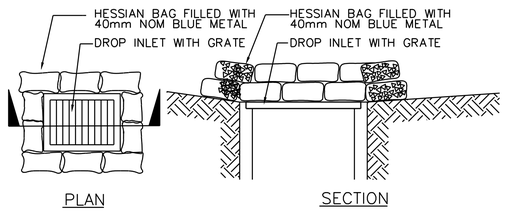
Xrefs: X:\5721000-SU_Contours X:\5721000-SU_Ground_A X:\5721000-TB_A1H_Civil
X:\5721000-PW-CIV-RB@1:500_LogoWave 400wet_CMYK.jpg X:\5721000\Drawings\AutoCAD\Civil\Design\Civil\2D\100k_Main Works\C2.01 Sediment and Erosion Control Plan.dwg



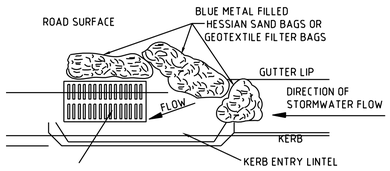
SEDIMENT CONTROL FENCE
NTS



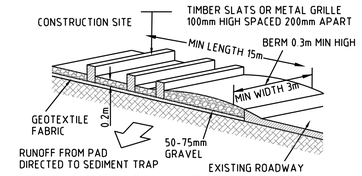
GEOTEXTILE FILTER FABRIC DROP INLET SEDIMENT TRAP
NTS



HESSIAN BAG DROP INLET SEDIMENT TRAP
N.T.S.



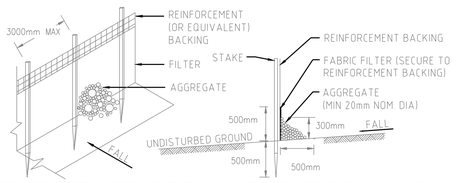
NEW/EXISTING GRATED KERB ENTRY PIT SEDIMENT CONTROL BARRIER
NTS



STABILIZED CONSTRUCTION SITE VEHICLE ENTRY/EXIT
NTS

SITE ENTRY/EXIT NOTES: –

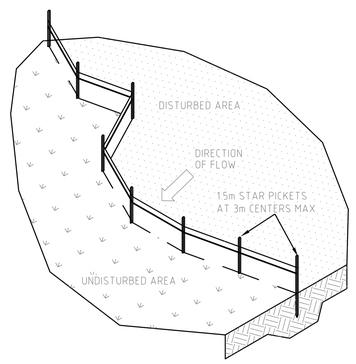
1. ALL VEHICLE ENTRANCES & EXITS TO THE CONSTRUCTION SITE MUST BE STABILIZED TO PREVENT THEM BECOMING A SOURCE OF SEDIMENT, BY PROVIDING A VEHICLE SHAKE AREA. THIS MAY CONSIST OF A TIMBER, CONCRETE OR STEEL SHAKER GRID OR RUBBLE AREA.
2. THE VEHICLE EXIT AREA IS TO BE MAINTAINED IN A CLEAN & SERVICEABLE CONDITION DURING THE TOTAL TIME OF USAGE.
3. ANY UNSEALED ROAD BETWEEN THE DEVICE AND COUNCILS ROADWAY IS TO BE TOPPED WITH 100mm THICK, 40mm NOMINAL SIZE AGGREGATE.
4. PUBLIC ROADS MUST BE KEPT FREE OF DIRT AND MUD. SEDIMENT TRACKED ONTO THE PUBLIC ROADWAY BY VEHICLES LEAVING THE CONSTRUCTION SITE IS TO BE SWEPT UP IMMEDIATELY.
5. FENCES SHOULD BE ERECTED TO ENSURE VEHICLES CAN NOT BYPASS THE STABILIZED ACCESS POINTS, UNLESS COMING FROM A STABILIZED AREA.

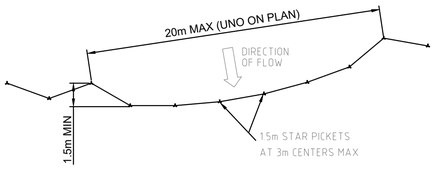


SEDIMENT FENCE DETAIL FOR ROCKY GROUND
NTS

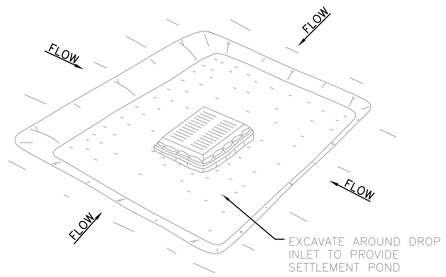
SEDIMENT FENCE NOTES: –

1. CONSTRUCT SEDIMENT FENCE AS CLOSE AS POSSIBLE TO PARALLEL TO THE CONTOURS OF THE SITE OR AT THE TOE OF A SLOPE.
2. DRIVE 1.5 METRE LONG STAR PICKETS INTO GROUND SUFFICIENT TO PROVIDE RIGID SUPPORT, 3 METERS APART. WHERE THERE IS INSUFFICIENT SOIL DEPTH OVER ROCK, HOLES ARE TO BE DRILLED INTO ROCK TO ACCEPT THE STAR PICKETS.
3. ON SOFT GROUND MATERIALS, DIG A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
4. BACKFILL TRENCH OVER BASE OF FABRIC & COMPACT.
5. FIX SELF–SUPPORTING GEOTEXTILE TO UPSLOPE SIDE OF POSTS WITH WIRE TIES OR AS RECOMMENDED BY THE GEOTEXTILE MANUFACTURER. USE A REINFORCEMENT BACKING WITH NON SELF–SUPPORTING GEOTEXTILE FABRIC.
6. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.
7. ON HARD OR ROCKY GROUND, SMOOTH A 500mm WIDE STRIP UPSLOPE OF THE FENCE LINE. TURN THE BOTTOM 500mm OF THE FABRIC UPSLOPE AND ANCHOR IN PLACE WITH SUITABLE AGGREGATE.
8. WHERE A SEDIMENT FENCE IS CONSTRUCTED DOWN SLOPE FROM A DISTURBED BATTER THE FENCE SHOULD BE LOCATED 1.5 TO 2.0 METERS DOWN SLOPE FROM THE TOE OF THE BATTER.





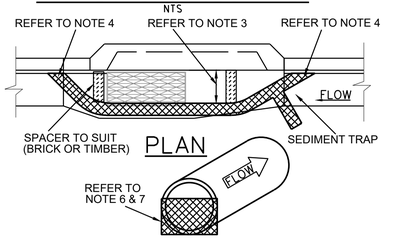
SEDIMENT FENCE LAYOUT PLAN
NTS



EXCAVATED SEDIMENT TRAP
NTS

EXCAVATED SEDIMENT TRAP NOTES: –

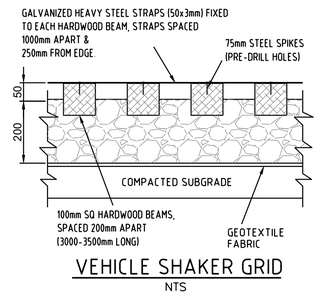
1. REMOVE THE SEDIMENT WHEN IT HAS ACCUMULATED TO HALF THE DESIGN DEPTH OF THE TRAP AND RESTORE THE TRAP TO ITS ORIGINAL DIMENSIONS.
2. PROVIDE 50 cu.m/Ha OF SEDIMENT STORAGE VOLUME.
3. REFER TO THE MAINTENANCE REQUIREMENTS.



GEOTEXTILE FILTER BAGS
NTS

SEDIMENT BARRIER FOR PITS & PIPES, NOTES: –

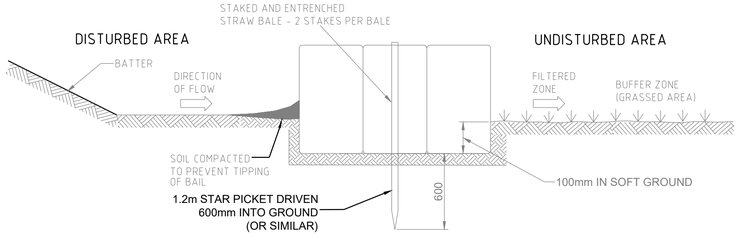
1. SLEEVES ARE TO BE MADE FROM GEOTEXTILE FABRIC LONGER THEN THE LENGTH OF THE INLET PIT.
2. FILL SLEEVE WITH 5 OR 10mm CLEAN GRAVEL.
3. PLACE THE SLEEVE AT THE OPENING OF THE KERB INLET LEAVING A 100mm GAP TO ACT AS AN EMERGENCY OVERFLOW.
4. SLEEVE MUST BE PLACED AGAINST THE KERB TO PREVENT BYPASS.
5. FIT SLEEVE TO ALL INLETS DOWNSTREAM OF THE WORKS.
6. FOR DRAINAGE WORKS FIT GEOTEXTILE FABRIC OR GEO BAGS TO UPSTREAM FACE OF ALL OPEN PIPES.
7. MAINTAIN AN OPENING AT THE TOP OF THE PIPE OF 1/3 OF THE PIPE DIAMETER.
8. THE FILTERS ARE TO BE CLEANED AND MAINTAINED DAILY.
9. ALL CARE SHOULD BE TAKEN TO MINIMIZE SEDIMENT REACHING THE STORMWATER SYSTEM BY MINIMIZING EXCAVATION WORKS AND PREVENTING EXCESS WATER FLOW THROUGH WORKS.



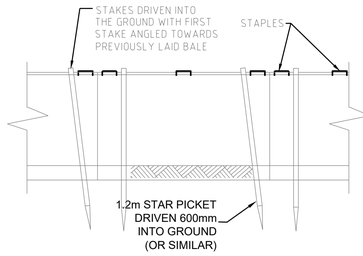
VEHICLE SHAKER GRID
NTS

SITE ENTRY/EXIT CONSTRUCTION NOTES: –

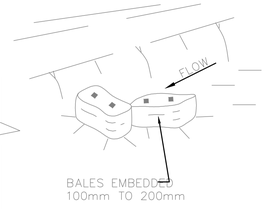
1. STRIP TOP SOIL & LEVEL SITE. PROVIDE CATCH DRAIN AT SIDES TO DIRECT RUNOFF WATER TO SEDIMENT TRAPS.
2. COMPACT SUBGRADE AND REMOVE ANY HIGH POINTS.
3. COVER AREA WITH GEOTEXTILE FABRIC. THIS MAY BE WOVEN OR NEEDLE PUNCHED PRODUCT WITH A MINIMUM CBR BURST STRENGTH (AS3706.4–90) OF 2500 N.
4. CONSTRUCT 200mm THICK RUBBLE PAD OVER GEOTEXTILE USING ROAD BASE OR 30–40mm AGGREGATE. MINIMUM LENGTH 15 METRES OR TO BUILDING ALIGNMENT. MINIMUM WIDTH 3 METRES. CONSTRUCT 300mm HIGH HUMP IMMEDIATELY WITHIN BOUNDARY TO DIVERT WATER TO A SEDIMENT TRAP.
5. WHERE GRIDS ARE USED FIRST CONSTRUCT A 150 THICK PAD OVER GEOTEXTILE FABRIC. LEVEL THIS IN BOTH DIRECTIONS. LOWER GRID ON TO THE PREPARED BASE AND ENSURE THAT NO PART IS SITTING ON ANY HIGH POINTS. BACKFILL THE SPACES BETWEEN THE GRIDS TO WITHIN 50mm OF THE TOP.
6. PROVIDE RAMPS AT ENDS AND SIDE OF GRIDS. IF DEPRESSIONS OCCUR IN THE RAMPS DURING USE. ADD ADDITIONAL MATERIAL.



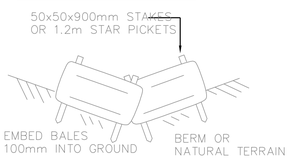
TYPICAL STRAW BALE SECTION
NTS



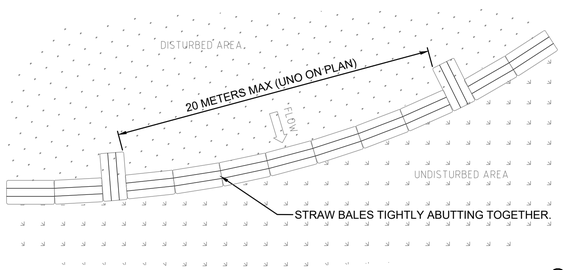
TYPICAL STRAW BALE DETAIL
NTS



VIEW OF CHECK DAM



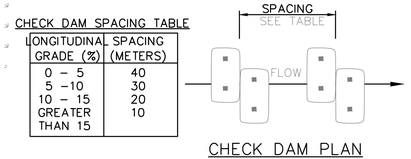
CHECK DAM SECTION



TYPICAL STRAW BALE LAYOUT PLAN
NTS

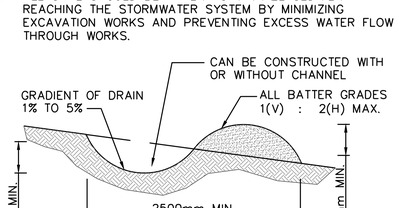
STRAW BALE NOTES: –

1. CONSTRUCT STRAW BALE FILTER AS CLOSE AS POSSIBLE TO PARALLEL TO THE CONTOURS OF THE SITE OR AT THE TOE OF A SLOPE.
2. PLACE BALES LENGTHWISE IN A ROW WITH ENDS TIGHTLY ABUTTING. USE STRAW TO FILL ANY GAPS BETWEEN BALES. STRAWS TO BE PLACED PARALLEL TO GROUND.
3. MAXIMUM HEIGHT OF FILTER IS ONE BALE.
4. ON SOFT MATERIALS, EMBED EACH BALE IN THE GROUND 75mm TO 100mm AND ANCHOR WITH TWO 1.2 METRE STAR PICKETS. ANGLE THE FIRST STAKE IN EACH BALE TOWARDS THE PREVIOUSLY LAID BAIL. DRIVE STAKES 600mm INTO THE GROUND AND FLUSH WITH THE TOP OF THE BALES.
5. WHERE A STRAW BALE FILTER IS CONSTRUCTED DOWN SLOPE FROM A DISTURBED BATTER THE BALES SHOULD BE LOCATED 1.5 TO 2.0 METERS DOWN SLOPE FROM THE TOE OF THE BATTER.
6. WHERE REQUIRED WRAP GEOTEXTILE FILTER FABRIC AROUND BALES AND STAPLE IN POSITION.



CHECK DAM PLAN

STRAW BALE CHECK DAM DETAILS
NTS



DIVERSION DRAIN (LOW FLOW)
NTS

DIVERSION DRAIN NOTES: –

1. CONSTRUCT WITH GRADIENT OF 1 PER CENT TO 5 PER CENT.
2. AVOID REMOVING TREES AND SHRUBS IF POSSIBLE.
3. DRAINS TO BE OF CIRCULAR, PARABOLIC OR TRAPEZOIDAL CROSS SECTION NOT V–SHAPED.
4. EARTH BANKS TO BE ADEQUATELY COMPACTED IN ORDER TO PREVENT FAILURE.
5. PERMANENT OR TEMPORARY STABILIZATION OF THE EARTH BANK TO BE COMPLETED WITHIN 10 DAYS OF CONSTRUCTION.
6. ALL OUTLETS FROM DISTURBED LANDS ARE TO FEED INTO A SEDIMENT BASIN OR SIMILAR.
7. DISCHARGE RUN OFF COLLECTED FROM UNDISTURBED LANDS ONTO EITHER A STABILIZED OR AN UNDISTURBED DISPOSAL SITE WITHIN THE SAME SUBCATCHMENT AREA FROM WHICH THE WATER ORIGINATED.
8. COMPACT BANK WITH A SUITABLE IMPLEMENT IN SITUATIONS WHERE THEY ARE REQUIRED TO FUNCTION FOR MORE THAN FIVE DAYS.
9. EARTH BANKS TO BE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT WILL IMPEDE NORMAL FLOW.

MAINTENANCE REQUIREMENTS: –

1. ACCUMULATED SILT & SEDIMENT MUST BE REMOVED AT REGULAR INTERVALS AND AFTER EACH MAJOR STORM.
2. SILT & SEDIMENT MUST BE REMOVED FROM OFF THE SITE OR TO A COUNCIL APPROVED LOCATION WITHIN THE SITE, WHERE IT WILL NOT ERODE.
3. THE SEDIMENT FENCES, BALES & TRAPS SHALL BE REGULARLY INSPECTED, ESPECIALLY AFTER RAIN AND KEPT IN GOOD REPAIR AND FUNCTIONING CONDITION AT ALL TIMES.
4. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT SEDIMENT, EROSION & WATER POLLUTION SHALL BE MINIMIZED.
5. THE SEDIMENT TRAPS SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE CONSTRUCTION AREA HAS BEEN PROPERLY STABILIZED.

PRELIMINARY - NOT FOR CONSTRUCTION

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REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
1	50% TENDER ISSUE	10/04/18			
2	90% TENDER ISSUE	18/04/18			
3	CIVIL 100% TENDER ISSUE	26/04/18			
4	CIVIL TENDER ISSUE	04/05/18			

CLIENT: URBAN GROWTH NSW

PROJECT: BANK ST, PYRMONT

PREPARED BY
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Sydney Water Accredited Water Servicing Co-ordinator
- Design Project Management - Building Plan Approvals
SERVING THE CONSTRUCTION INDUSTRY SINCE 1981.
Lic No: QAC/95107/71

TITLE: **SEDIMENT AND EROSION CONTROL DETAILS**

SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	T.K.	N.M.	N.M.	M.C.

JOB No.	DRAWING No.	ISSUE
5721000	C2.02	4

DATE: MAR 2018 STATUS: CIVIL TENDER ISSUE

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Login Name: KSheet
Date Plotted: 26/04/2018 @ 09:04:43

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SHEET SIZE: A1

INTEGRAL KERB TO TAPER DOWN TO ZERO HEIGHT OVER 1m TO TIE INTO VEHICLE CROSSING LEVELS

POLYFABRICS TERRASTOP HVL GEOTEXTILE LAYER TO BE INSTALLED BETWEEN SUBSURFACE SOILS AND GARDEN BED SURFACE TREATMENT

TERRACING TO BE CONSTRUCTED FROM CUT MATERIAL, WITH 200mm P3 CRUSHED BRICK LAYER ON TOP. POLYFABRICS TERRASTOP HVL GEOTEXTILE TO BE INSTALLED BETWEEN CUT MATERIAL AND P3 CRUSHED BRICK

EXISTING VEHICLE CROSSING TO BE WIDENED AND CONSTRUCTED TO THE CITY OF SYDNEY STANDARD DETAIL. REFER TO DRG C4.05.

EXISTING ELECTRICAL PITS

GABION WALL TO STRUCTURAL ENGINEERS DETAILS

STAIRS TO STRUCTURAL ENGINEERS DETAILS

GABION WALL TO STRUCTURAL ENGINEERS DETAILS

DEMOUNTABLE OFFICE FFL 4.60

FIRE HYDRANT PUMP ROOM

PROVIDE DROP EDGE KERB TO MAX DEPTH OF 0.45m.

REFER BATTER DETAIL ADJACENT

DROP EDGE KERB TO TAPER TO ZERO DEPTH OVER 7.7m LENGTH

PROVIDE DROP EDGE KERB TO MAX. DEPTH OF 0.6m.

RETAINING WALL AND STAIRS TO STRUCTURAL ENGINEERS DETAILS

BANK STREET

BOAT RAMP

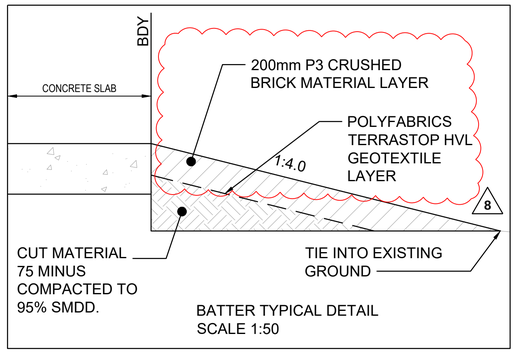
LINE

E 332334.86
N 6250846.8

LEGEND

IK	INTEGRAL KERB. REFER DRG C4.05 FOR DETAIL.
IDD	INTEGRAL DISH DRAIN. REFER DRG C4.05 FOR DETAIL.
RW	RETAINING WALL. REFER STRUCTURAL ENGINEERS DRAWINGS.
RL 1.530	FINISHED SURFACE SPOT LEVEL
3.4%	DIRECTION AND GRADE OF FALL
1:4.00	DIRECTION AND SLOPE OF BATTER
	KERB INLET PIT (ON GRADE)
	GRATED INLET PIT
GD	GRATED TRENCH DRAIN
	CRASH BARRIER
	DROP EDGE KERB
	BATTER

NOTES
1. SETOUT OF SITE TO BE TAKEN FROM 3D MODEL.
2. CONSTRUCTION CERTIFICATE TO BE DETAILED BY COS COUNCIL PRIOR TO COMMENCEMENT OF WORKS ON SITE.



BATTER TYPICAL DETAIL
SCALE 1:50

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NORTH

2.5 0 2.5 5.0 7.5 10.0m
PLAN SCALE 1:200 A1 SHEET

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150
SHEET SIZE: A1

REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
1	50% TENDER ISSUE	10/04/18			
2	90% TENDER ISSUE	18/04/18			
3	CIVIL 100% TENDER ISSUE	26/04/18			
4	CIVIL TENDER ISSUE	04/05/18			
5	CIVIL TENDER RE-ISSUE	10/05/18			
6	CIVIL TENDER RE-ISSUE	19/07/18			
7	CIVIL TENDER RE-ISSUE	24/07/18			
8	CIVIL TENDER RE-ISSUE	20/08/18			

CLIENT
URBAN GROWTH NSW

PROJECT
BANK ST, PYRMONT

PREPARED BY
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Lic No: QAC/8610/771

TITLE
SITEWORKS PLAN AND DETAILS

SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	T.K.	N.M.	N.M.	M.C.

JOB No.	DRAWING No.	ISSUE
5721000	C4.01	8

DATE	STATUS
MAR 2018	CIVIL TENDER ISSUE

Xrefs: X:\5721000\SU-Easements X:\5721000\DE_Spot Levels X:\5721000\DE_Contours X:\5721000\SU-Ground X:\5721000\DE_Design X:\5721000\AR_Ground X:\5721000\SW_Layout X:\5721000\AR_Roof X:\5721000-TB_A1H_Civil
Plot Date: 20.08.2018@13:12:43 Login Name: NMcGowan Cad File: T:\5721000\Drawings\AutoCAD\Civil\Design\Civil 2D\100% Main Works\C4.01 Siteworks Plan.dwg

Levels Table				
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2	-2.000	-1.500		21.29m³
3	-1.500	-1.000		39.69m³
4	-1.000	-0.500		74.48m³
5	-0.500	0.000		476.84m³
6	0.000	0.500		319.09m³
7	0.500	1.000		216.16m³
8	1.000	1.500		140.34m³
9	1.500	2.000		57.45m³
10	2.000	2.410		6.75m³

Volume

Cut volume	619 Cu. M.
Fill volume	740 Cu. M.
Net volume	121 Cu. M.<Fill>

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NORTH

PLAN SCALE 1:200 A1 SHEET

REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
1	50% TENDER ISSUE	10/04/18			
2	90% TENDER ISSUE	18/04/18			
3	CIVIL 100% TENDER ISSUE	26/04/18			
4	CIVIL TENDER ISSUE	04/05/18			
5	CIVIL TENDER RE-ISSUE	10/05/18			
6	CIVIL TENDER RE-ISSUE	24/07/18			

CLIENT

URBAN GROWTH NSW

PROJECT

BANK ST, PYRMONT

PREPARED BY

Warren Smith & Partners

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Lic No: QAC/95/1077/1

TITLE

BULK EARTHWORKS PLAN

SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	T.K.	S.E.	N.M.	M.C.

JOB No.	DRAWING No.	ISSUE
5721000	C4.02	6

DATE	STATUS
MAR 2018	CIVIL TENDER ISSUE

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SHEET SIZE: A1

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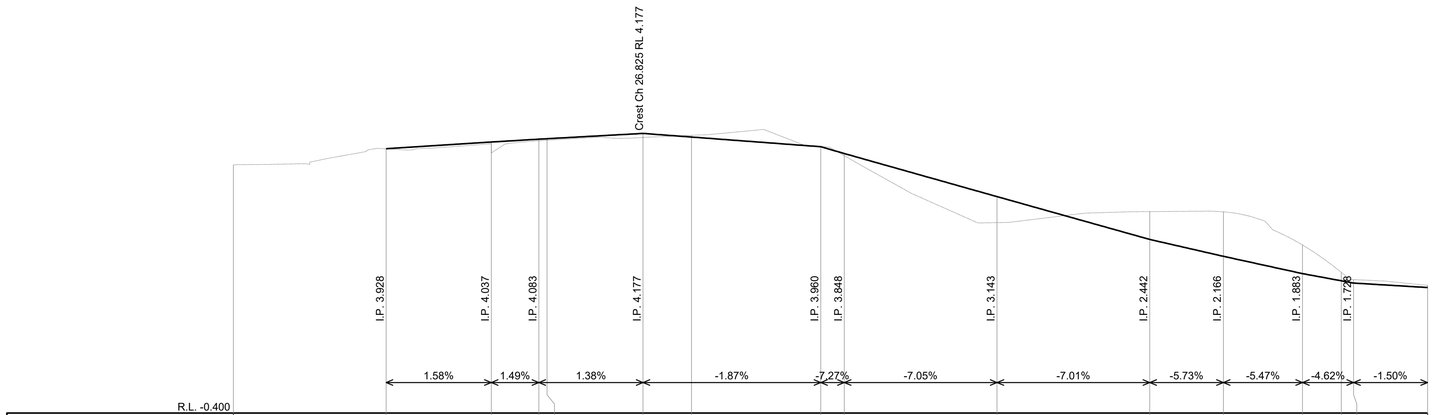
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-5.47%
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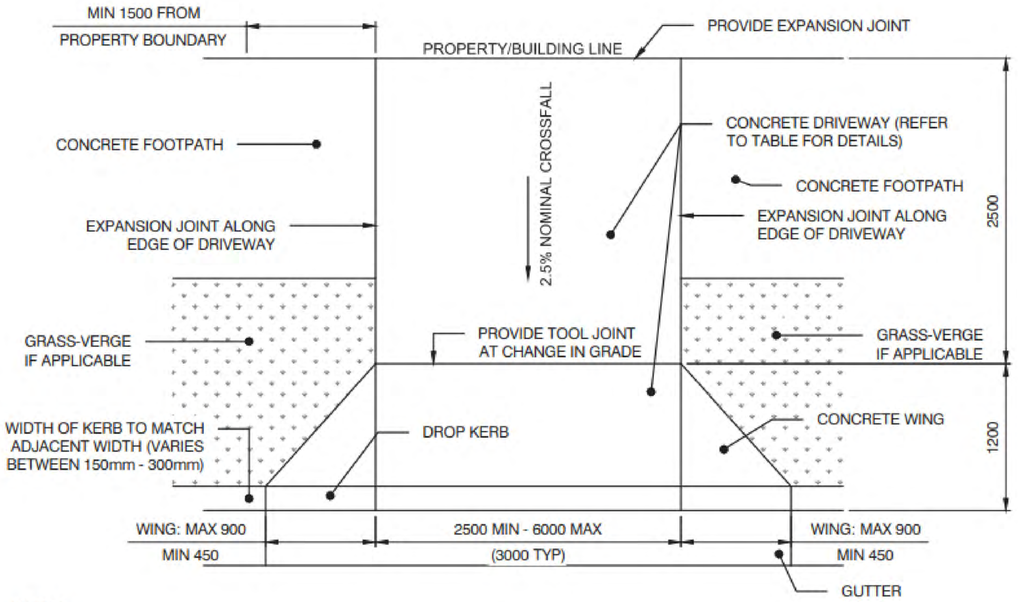
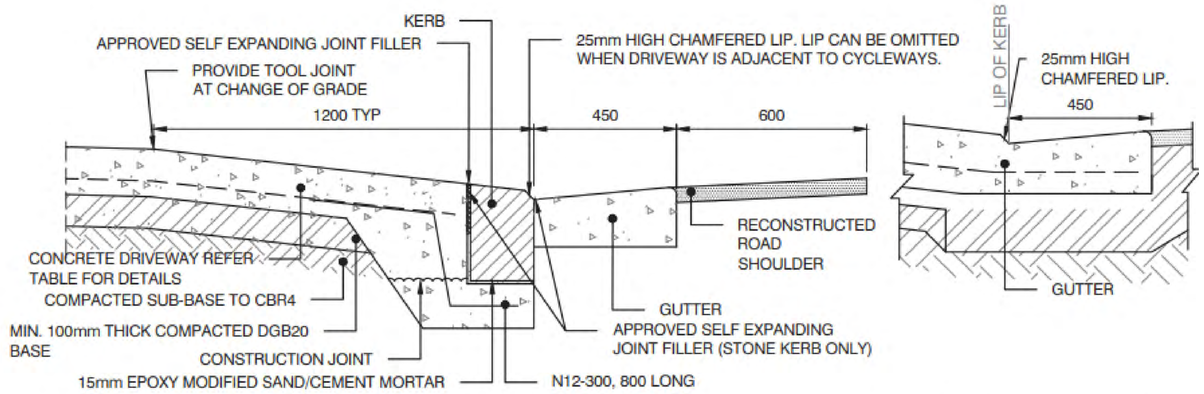
-1.50%
R.L. -0.400

| | | |



NOTES:

1. DRIVEWAY TO BE GENERALLY PERPENDICULAR TO KERB LINE, UNLESS APPROVED OTHERWISE.
2. VERTICAL AND HORIZONTAL CLEARANCE SHALL BE CHECKED BY THE DESIGNER IN ACCORDANCE WITH AS2890.1.
3. FOR NARROW FOOTPATHS LENGTH OF RAMP TO BE AS SHORT AS POSSIBLE, OR LAYBACK ONLY TO BE USED IN APPROVED APPLICATIONS.
4. FOR DRIVEWAYS WIDER THAN 6.0m A TOOL JOINT SHALL BE PROVIDED ALONG THE CENTRE OF THE DRIVEWAY.
5. DRIVEWAY CONCRETE SHALL BE WOOD FLOAT FINISHED.



SECTION (STONE KERB)
1:20

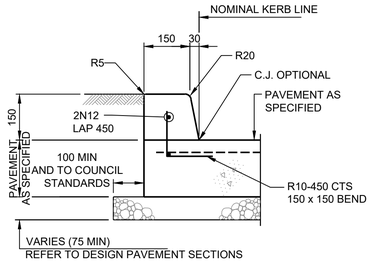
SECTION (CONCRETE KERB)
1:20

DRIVEWAY SPECIFICATIONS			
DRIVEWAY USE	CONCRETE STRENGTH	THICKNESS	REINFORCEMENT
SINGLE RESIDENTIAL	32MPa	150mm	SL82
MULTI RESIDENTIAL	32MPa	200mm	SL82
COMMERCIAL/ INDUSTRIAL	32MPa	250mm	TWO LAYERS SL82

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

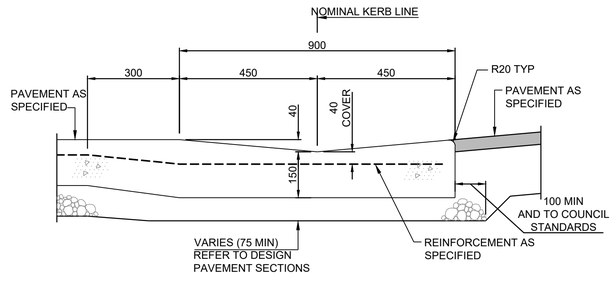
VEHICULAR CROSSING PLAN

NOT TO SCALE



INTEGRAL KERB (IK)

SCALE 1:10

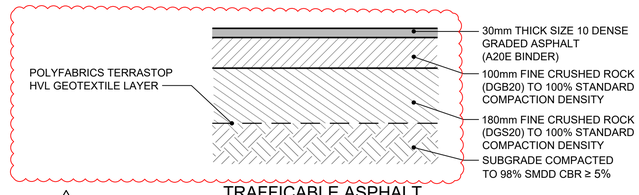


INTEGRAL DISH DRAIN (IDD)

SCALE 1:10

VEHICULAR CROSSING SECTION

NOT TO SCALE



TRAFFICABLE ASPHALT

ESA = 6 x 10^4 (ACCESS ROAD)

SCALE 1:10

PRELIMINARY - NOT FOR CONSTRUCTION

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100 0 100 200 300 400 500mm
PLAN SCALE 1:10 A1 SHEET

200 0 200 400 600 800 1000mm
PLAN SCALE 1:20 A1 SHEET

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SHEET SIZE: A1

REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
1	50% TENDER ISSUE	10/04/18			
2	90% TENDER ISSUE	18/04/18			
3	CIVIL 100% TENDER ISSUE	26/04/18			
4	CIVIL TENDER ISSUE	04/05/18			
5	CIVIL TENDER RE-ISSUE	20/08/18			

CLIENT: URBAN GROWTH NSW

PROJECT: BANK ST, PYRMONT

PREPARED BY
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Lic No. QAC/RB10/2711

TITLE: SITEWORKS DETAILS

SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	T.K.	N.M.	N.M.	M.C.

JOB No.	DRAWING No.	ISSUE
5721000	C4.05	5

DATE	STATUS
MAR 2018	CIVIL 100% TENDER ISSUE

Xref: X:\5721000-TB_A1H_DA_X-5721000-TB_A1H_100MW
Plot Date: 20.08.2018@12:20:01 Login Name: NMcGowan
Cad File: T:\5721000\Drawings\AutoCAD\Civil\Design\Civil 2D\100% Main Works\C4.05 Siteworks Details dwg.dwg

PIT 2/4
900SQ STW PIT
CLASS B COVER
RL 5.45
ILin 4.72
ILout 3.50

PIT 3/4
900SQ STW PIT
CLASS C GRATE
RL 3.85
ILin 3.18
ILout 2.95

PIT 4/4
600x900 GULLY PIT WITH
NO LINTEL
CLASS C GRATE
RL 3.92
ILin 2.84
ILout 2.81

PIT 1/4
900SQ STW PIT
CLASS B COVER
RL 6.05
IL 4.85

PIT 5/4
1500DIA STORMFILTER MANHOLE WITH 900SQ CLASS B ACCESS GRATE. PIT IS TO BE FITTED WITH 1no. STW360 690mm PSORB FILTERS
RL 3.75
ILin 2.77
ILout 2.67

CONNECT INTO EXISTING STW PIT AT IL 2.57. DEPTH OF PIT IS TO BE CONFIRMED ON SITE

CONNECT INTO EXISTING STW PIT AT IL 3.01. DEPTH OF PIT IS TO BE CONFIRMED ON SITE

450SQ STW SUMP PIT CLASS B FOR RAINWATER OVERFLOW. CONTRACTOR TO ENSURE AMPLE PIPE COVER.

600SQ STW SUMP PIT CLASS B GRATE FOR FIRE TEST. CONTRACTOR TO ENSURE AMPLE PIPE COVER.

PIT 2/1
1500DIA STORMFILTER MANHOLE WITH 900SQ CLASS C ACCESS GRATE. PIT IS TO BE FITTED WITH 3no. STW360 690mm PSORB FILTERS
RL 4.00
ILin 3.15
ILout 3.05

SUBSOIL TO BOLLARDS AS PER MANUFACTURER'S REQUIREMENTS

PIT 1/2
600SQ STW PIT
CLASS C GRATE
RL 1.55
ILin 0.95
ILout 0.71

PIT 1/1
900SQ STW PIT
CLASS C GRATE
RL 4.05
IL 3.22

2.80m LONG ACO K200 GRADED TRENCH DRAIN WITH CLASS C HEELSAFE GRATE. GRATE TO BE BOLTED DOWN. INVERT DEPTH 200mm TO 214mm @ 0.5%.
RL 1.60
IL 1.00

PIT 2/2
900SQ STW PIT
CLASS C GRATE
RL 1.55
ILin 0.61
ILout 0.58

1.2m LONG ACO K300 GRADED TRENCH DRAIN WITH CLASS C HEELSAFE GRATE. GRATE TO BE BOLTED DOWN. INVERT DEPTH 300mm TO 306mm @ 0.5%.
RL 2.68
IL 2.08

PIT 3/2
1500DIA. STW MANHOLE WITH 900SQ CLASS C ACCESS GRATE. PIT IS TO BE FITTED WITH 4no. STW360 690mm PSORB FILTERS
RL 1.50
ILin 0.52 (LINE 2)
ILin 0.52 (LINE 3)
ILout 0.42

5.85m LONG ACO K200 GRADED TRENCH DRAIN WITH CLASS C HEELSAFE GRATE. GRATE TO BE BOLTED DOWN. INVERT DEPTH 200mm TO 229mm @ 0.5%.

SEA OUTLET TO BE PROVIDED AT IL 0.39

1.2m LONG ACO K300 GRADED TRENCH DRAIN WITH CLASS C HEELSAFE GRATE. GRATE TO BE BOLTED DOWN. INVERT DEPTH 300mm TO 306mm @ 0.5%.
RL 1.70
ILin 1.10
ILout 1.07

NON-RETURN VALVE TO BE INSTALLED ON OUTLET PIPE

PIT 2/3
900SQ STW PIT
CLASS C GRATE
RL 1.60
ILin 0.63
ILout 0.60

PIT 1/3
600SQ INLINE STW PIT
CLASS C GRATE
RL 1.70
ILin 1.00
ILout 0.72

LEGEND

- Ø450 — PROPOSED PIPE DIAMETER AND DIRECTION OF FLOW
- SW — PROPOSED STORMWATER PIPE
- esw — EXISTING STORMWATER PIPE
- GRATED INLET PIT
- JUNCTION PIT
- STORMWATER TREATMENT PIT
- GD — GRATED TRENCH DRAIN
- INDICATIVE OVERLAND FLOW PATH
- IL 10.10 — STORMWATER PIPE INVERT LEVEL
- DP — DOWNPIPE
- SSD — SUBSOIL DRAINAGE LINE
- HER — SUBSOIL HIGH END RISER
- IR — SUBSOIL INTERMEDIATE RISER
- SUBSOIL DRAINAGE IMPERMEABLE
- CO — CLEAROUT

NOTES
1. ALL PITS TO BE FITTED WITH STORMWATER360 ENVIROPOED BASKETS.
2. CONTRACTOR TO CONFIRM EXISTING STORMWATER INVERT LEVEL.

PRELIMINARY - NOT FOR CONSTRUCTION

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NORTH

PLAN SCALE 1:200 A1 SHEET

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SHEET SIZE: A1

REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
1	50% TENDER ISSUE	10/04/18			
2	90% TENDER ISSUE	18/04/18			
3	CIVIL 100% TENDER ISSUE	26/04/18			
4	CIVIL TENDER ISSUE	04/05/18			
5	CIVIL TENDER RE-ISSUE	10/05/18			
6	CIVIL TENDER RE-ISSUE	19/07/18			
7	CIVIL TENDER RE-ISSUE	24/07/18			

CLIENT
URBAN GROWTH NSW

PROJECT
BANK ST, PYRMONT

PREPARED BY
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Lic No: QAC/RB1/0771

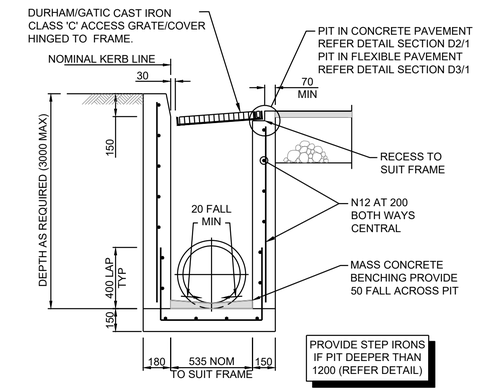
TITLE
STORMWATER LAYOUT PLAN

SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	T.K.	N.M.	N.M.	M.C.

JOB No.	DRAWING No.	ISSUE
5721000	C6.01	7

DATE MAR 2018
STATUS CIVIL TENDER ISSUE

Xrefs: X:\5721000-SU-Easements_Y-5721000-SU-Ground_X-5721000-AR_Roof_X-5721000-SU_Utilities-100%_X-5721000-TB_ANI-Civil_X-5721000-AR_Ground_X-5721000-SW_Layout
Plotted: 25/07/2018@09:54:45 - Login Name: ADowell - Full Name: - 5721000Drawings\Civil\C6.01Design\Civil\5721000 Main Works\A1 (1) Stormwater Layout.dwg



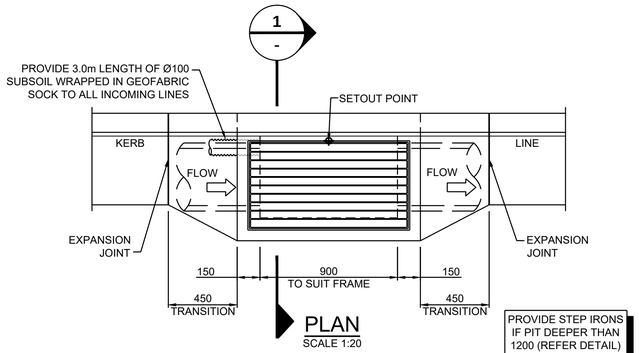
DETAIL D1/1 - SCALE 1:20

NOTES:

1. TRENCH WIDTH MAY NEED TO BE INCREASED SUBJECT TO ACHIEVING ADEQUATE COMPACTION.
2. MINIMUM PIPE COVER NOT UNDER ROADS = 450mm UNO.
3. THE CONTRACTOR SHALL ENSURE THAT THE SHORING OF TRENCHES IS INSTALLED AS REQUIRED BY STATUTORY REQUIREMENTS.
4. ENSURE BACKFILLING COMPACTION MEETS THE RELEVANT STANDARDS;

A) TRENCHES UNDER PAVED AREAS & BUILDINGS - 100% SMDD.

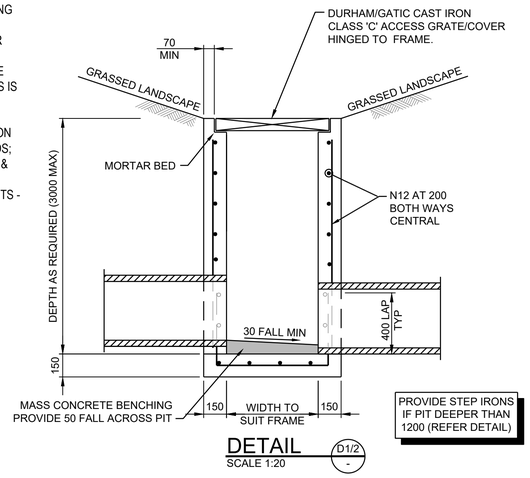
B) TRENCHES NOT UNDER PAVEMENTS - 95% SMDD.



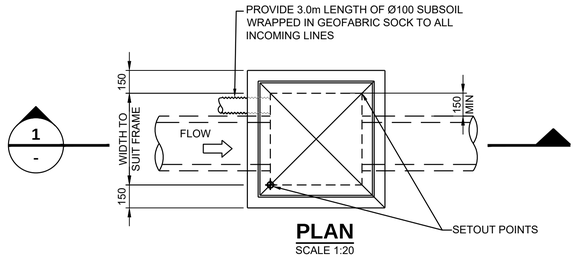
PLAN SCALE 1:20

GRATED GULLY PIT

(PIPE SIZES ≤ Ø375)

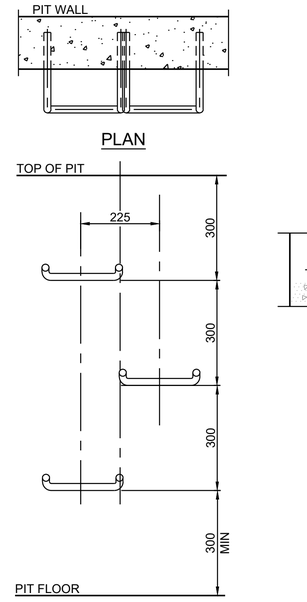


DETAIL D1/2 - SCALE 1:20



PLAN SCALE 1:20

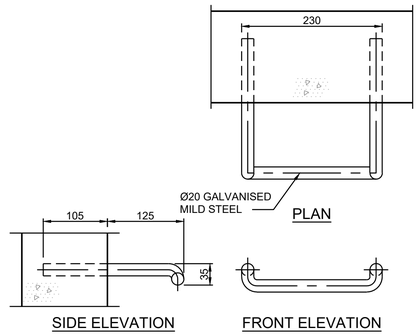
600 - 900SQ SURFACE INLET PITS



ELEVATION

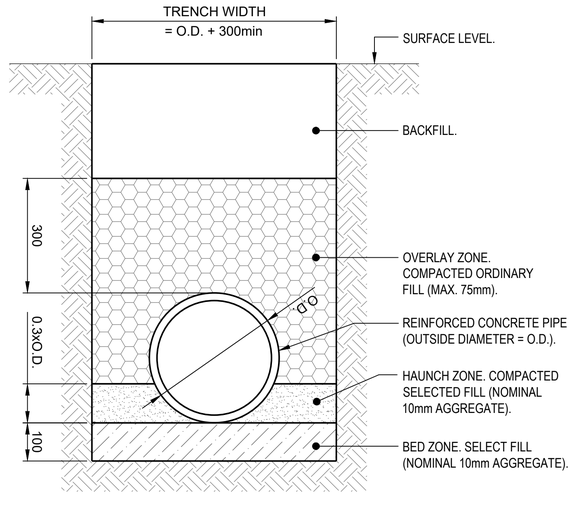
STEP IRON PLACEMENT TO PIT WALL

SCALE NTS



STEP IRON DETAIL

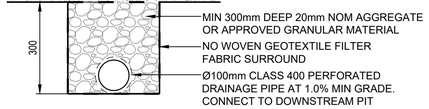
SCALE 1:5



GENERAL AREAS

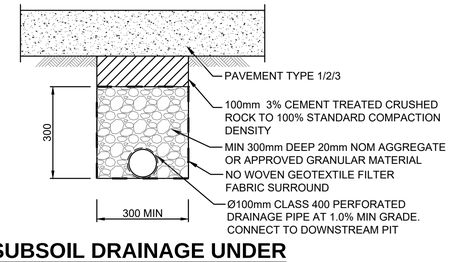
TYPICAL PIPE TRENCH

NOT TO SCALE



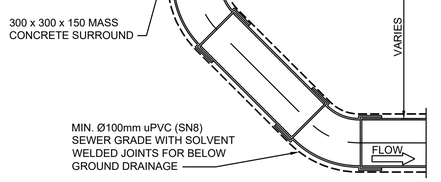
SUBSOIL IN LANDSCAPING AREA

SCALE 1:10



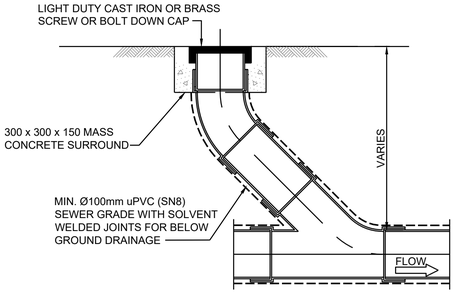
SUBSOIL DRAINAGE UNDER PAVEMENT TYPE 1, 2 & 3

SCALE 1:10



HIGH END RISER (HER)

SCALE 1:10



INTERMEDIATE RISER (IR)

SCALE 1:10

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100 0 100 200 300 400 500mm PLAN SCALE 1:10 A1 SHEET
200 0 200 400 600 800 1000mm PLAN SCALE 1:20 A1 SHEET
1000 0 500 1000 1500 2000mm PLAN SCALE 1:50 A1 SHEET

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SHEET SIZE: A1

REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
1	50% TENDER ISSUE	10/04/18			
2	90% TENDER ISSUE	18/04/18			
3	CIVIL 100% TENDER ISSUE	26/04/18			
4	CIVIL TENDER ISSUE	04/05/18			
5	CIVIL TENDER RE-ISSUE	10/05/18			

CLIENT: URBAN GROWTH NSW

PROJECT: BANK ST, PYRMONT

PREPARED BY
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- Design Project Management - Building Plan Approvals
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Ltd No: QAC/RB10771

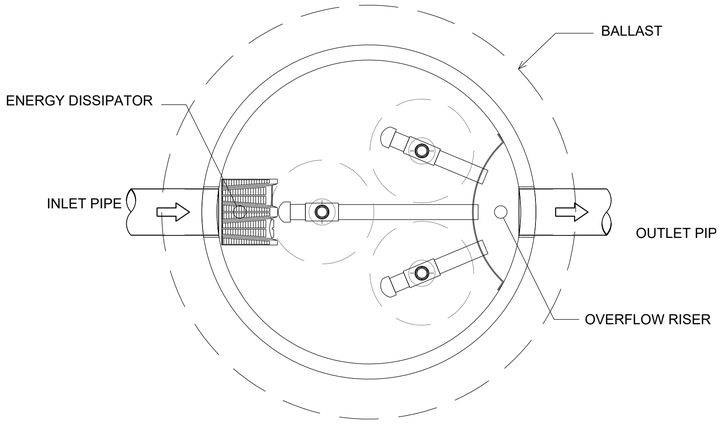
TITLE: STORMWATER DRAINAGE DETAILS

SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	T.K.	N.M.	N.M.	M.C.

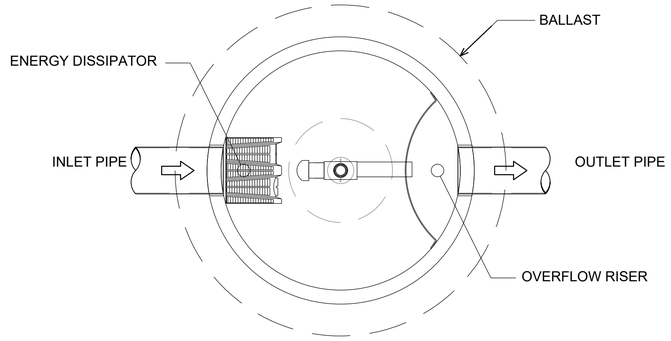
JOB No.	DRAWING No.	ISSUE
5721000	C6.02	5

DATE	STATUS
MAR 2018	CIVIL TENDER ISSUE

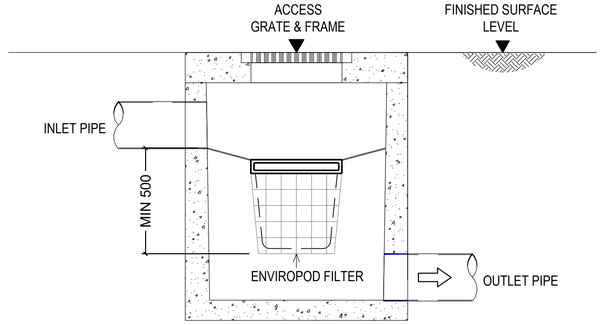
Civil File: T:\5721000\Drawings\AutoCAD\Civil\Design\Civil (2)\100% Main Works\C6.02 Stormwater Drainage Details.dwg
Logo Name: KSheet
Xrefs: X-5721000-TB, A1H, C-Ad
Plotted: 26/7/2018 (Mon) 09:53



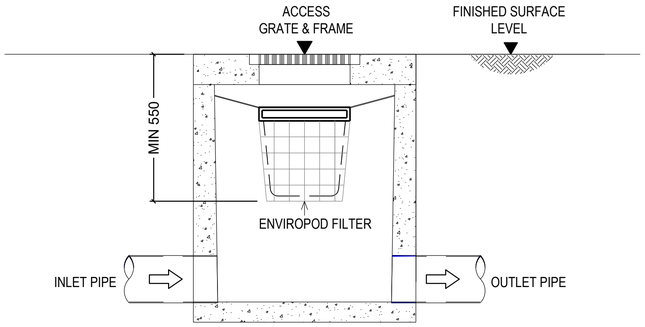
MANHOLE STORMFILTER PLAN



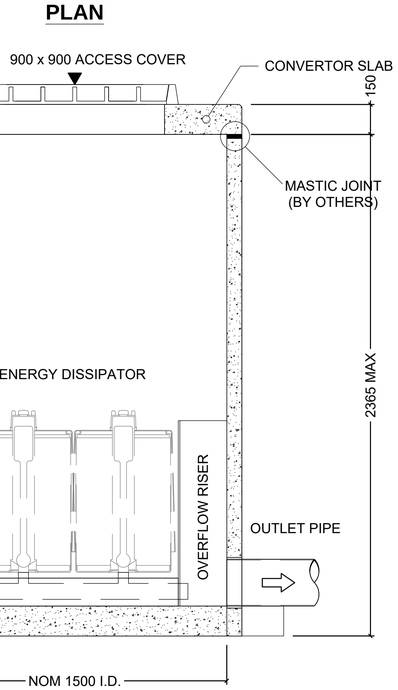
MANHOLE STORMFILTER PLAN



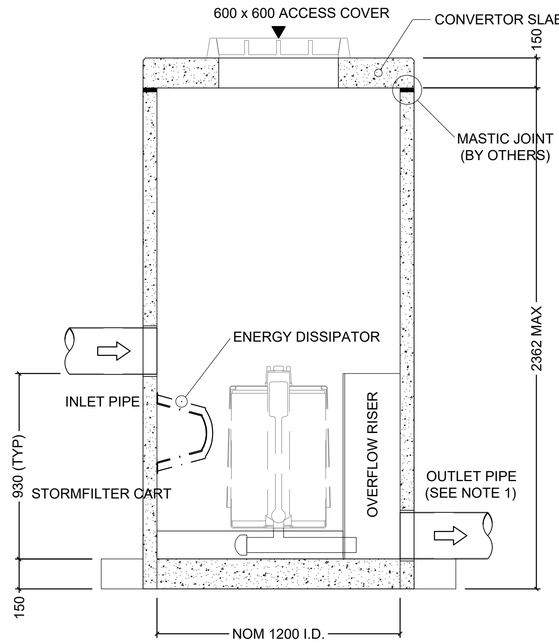
DROP PIPE ENVIROPOD CONFIGURATION SECTION



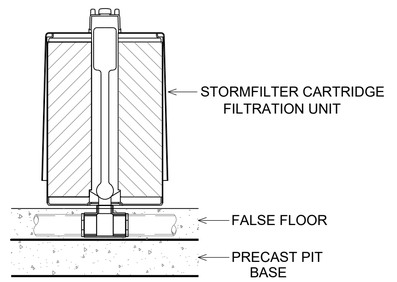
STANDARD ENVIROPOD CONFIGURATION SECTION



MANHOLE STORMFILTER SECTION (3 FILTERS)



MANHOLE STORMFILTER SECTION (1 FILTER)



STORMFILTER CARTRIDGE DETAIL

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REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
1	50% TENDER ISSUE	10/04/18			
2	90% TENDER ISSUE	18/04/18			
3	CIVIL 100% TENDER ISSUE	26/04/18			
4	CIVIL TENDER ISSUE	04/05/18			

CLIENT: URBAN GROWTH NSW

PROJECT: BANK ST, PYRMONT

PREPARED BY
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- Design Project Management - Building Plan Approvals
SERVING THE CONSTRUCTION INDUSTRY SINCE 1981.
Lic No: QAC/RS10771

TITLE: **STORMWATER360 STANDARD DETAILS**

SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	T.K.	N.M.	N.M.	M.C.

JOB No.	DRAWING No.	ISSUE
5721000	C6.03	4

DATE	STATUS
MAR 2018	CIVIL TENDER ISSUE

SHEET SIZE: A1

Xrefs: X:\5721000-TB_ANL.Dwt
Plot Date: 25/07/2018 08:12
Login Name: KSMart
Cad File: T:\5721000\Drawings\AutoCAD\Civil\Design\Civil\20100% Main Works\C6.03 Stormwater360 Standard Details.dwg

PROPOSED SEWER TO BE COORDINATED WITH THE EXISTING ELECTRICAL ASSET. MINIMUM VERTICAL CLEARANCE OF 300mm TO BE PROVIDED.

PROPOSED EASEMENT LINE TAKEN FROM SURVEY. EASEMENT WIDTH TO BE CONFIRMED.

PROPOSED ELECTRICAL SERVICES TO BE LAID AROUND PROPOSED STORMWATER PIT.

EXISTING STORMWATER MANHOLE
Ø300 ILin 2.477 (EXISTING)
Ø300 ILout 2.471 (EXISTING)

EXISTING JUNCTION PIT
Ø300 ILin 2.309 (EXISTING)
Ø450 ILout 2.237 (EXISTING)

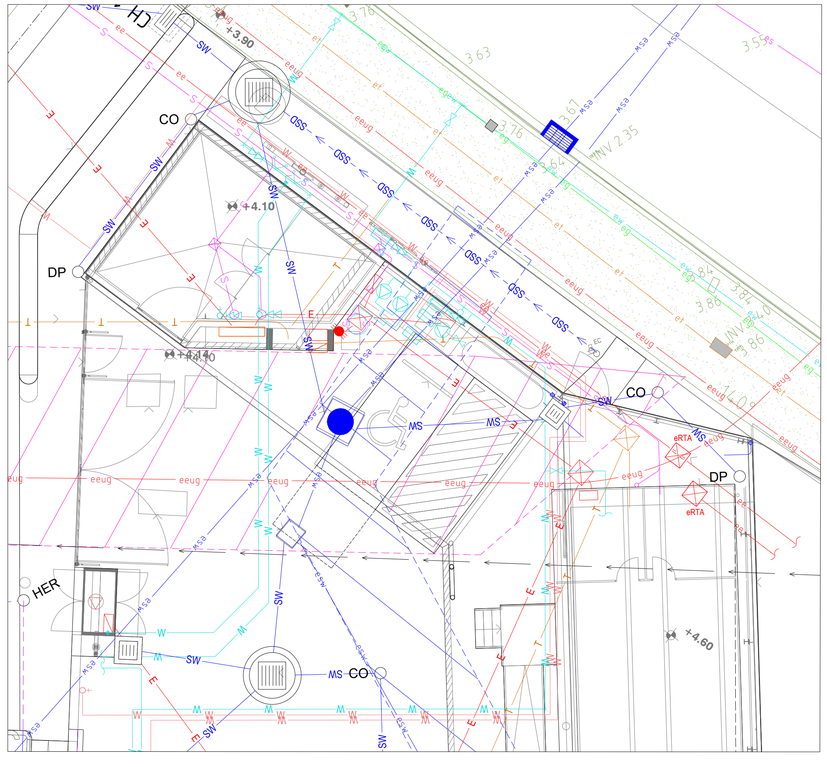
E 332334.86
N 6250845.8

NOTES

1. EXISTING STORMWATER, ELECTRICITY UNDERGROUND, SEWER, WATER MAINS, TELECOMS & GAS TAKEN FROM CRAIG & RHODES SURVEY DRAWING 102-15G T02 REV. 13.
2. ELECTRICITY TAKEN FROM BSA PROPOSED ELECTRICAL ROUTE DRAWING ANZ-SCE-110 ISSUE 00.
3. PROPOSED STORMWATER TAKEN FROM WARREN SMITH & PARTNERS STORMWATER LAYOUT PLAN C6.01 ISSUE 4.
4. PROPOSED TELECOMS AND ELECTRICITY UNDERGROUND TAKEN FROM BSE ELECTRICAL SERVICES DRAWINGS E03 ISSUE G AND E05 ISSUE E.
5. PROPOSED SEWER TAKEN FROM BSE HYDRAULIC SERVICES DRAWINGS H04 ISSUE G AND H02 ISSUE F.
6. CONTRACTOR TO EXPOSE ALL EXISTING SERVICES AT INTERSECTION POINTS WITH PROPOSED SERVICES.
7. ADEQUATE VERTICAL CLEARANCE TO BE PROVIDED BETWEEN ALL EXISTING AND PROPOSED SERVICES.
8. ALL EXISTING MANHOLE COVERS TO BE RAISED TO PROPOSED LEVELS.
9. PROPOSED SERVICES SUBJECT TO CHANGE FOLLOWING COORDINATION WORKSHOP.
10. PROPOSED WATER, SEWER AND ELECTRICAL TO BE OFFSET BELOW EXISTING ELECTRICAL.

LEGEND

- esw — EXISTING STORMWATER PIPE
- es — EXISTING SEWER LINE
- 900 x 900 GRATED INLET PIT
- ew — EXISTING WATER MAIN
- ee — EXISTING ELECTRICITY
- eeug — EXISTING ELECTRICITY UNDERGROUND
- et — EXISTING TELECOMMUNICATIONS LINE
- eg — EXISTING GAS
- SW — PROPOSED STORMWATER
- T — PROPOSED TELECOMMS
- E — PROPOSED ELECTRICITY UNDERGROUND
- S — PROPOSED SEWER
- W — PROPOSED POTABLE WATER MAIN
- W — PROPOSED NON-POTABLE WATER MAIN
- PROPOSED SUBSOIL DRAINAGE - IMPERMEABLE SURFACE
- SSD — SUBSOIL DRAINAGE LINE
- ELECTRICAL EASEMENT
- DRAINAGE EASEMENT



INSET A
SCALE 1:100

PRELIMINARY - NOT FOR CONSTRUCTION

DO NOT SCALE FROM DRAWINGS, CHECK & VERIFY ALL DIMENSIONS & LEVELS BEFORE COMMENCEMENT OF ANY WORK.

THIS DRAWING IS NOT TO BE COPIED IN PART OR WHOLE WITHOUT WRITTEN PERMISSION FROM WARREN SMITH AND PARTNERS.

NORTH

1.0 0 1.0 2.0 3.0 4.0 5.0m
PLAN SCALE 1:100 A1 SHEET
2.5 0 2.5 5.0 7.5 10.0m
PLAN SCALE 1:200 A1 SHEET

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150
SHEET SIZE: A1

REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
1	50% TENDER ISSUE	10/04/18			
2	90% TENDER ISSUE	18/04/18			
3	CIVIL 100% TENDER ISSUE	26/04/18			
4	CIVIL TENDER ISSUE	04/05/18			
5	CIVIL TENDER RE-ISSUE	10/05/18			
6	CIVIL TENDER RE-ISSUE	19/07/18			
7	CIVIL TENDER RE-ISSUE	24/07/18			

CLIENT
URBAN GROWTH NSW

PROJECT
BANK ST, PYRMONT

PREPARED BY
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T 02 9299 1312 F 02 9290 1295 wsp@warrensmith.com.au
www.warrensmith.com.au ABN 36 300 430 126
CONSULTING ENGINEERS
Hydraulic Services Fire Protection Civil Engineering
Sydney Water Accredited Water Servicing Co-ordinator
- Design Project Management - Building Plan Approvals
SERVING THE CONSTRUCTION INDUSTRY SINCE 1981.

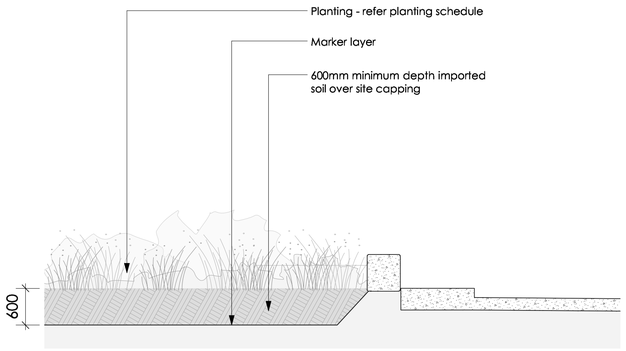
TITLE
SERVICES COORDINATION PLAN

SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
AS SHOWN	T.K.	N.M.	N.M.	M.C.

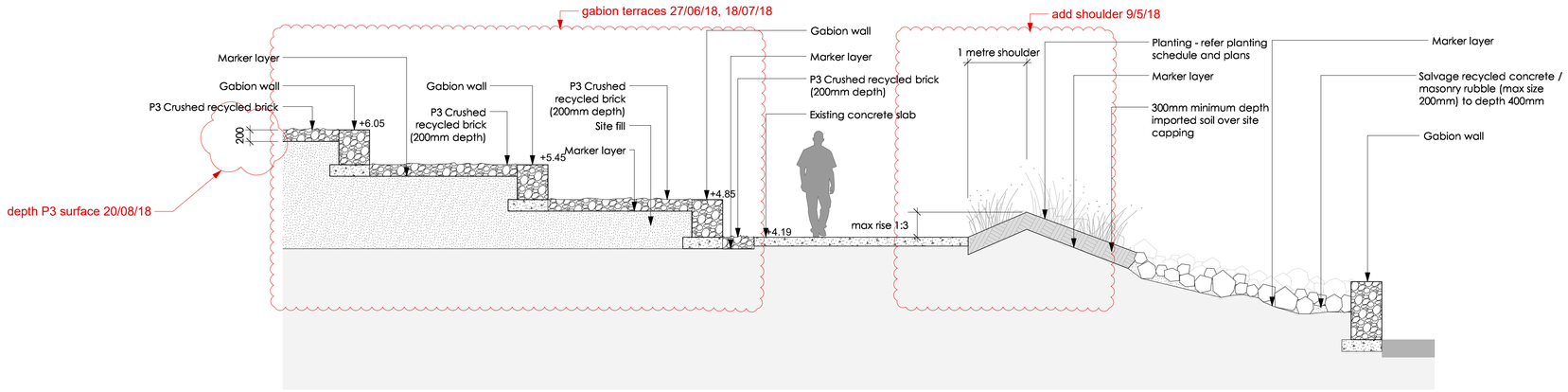
JOB No.	DRAWING No.	ISSUE
5721000	C9.01	7

DATE	STATUS
MAR 2018	CIVIL TENDER ISSUE

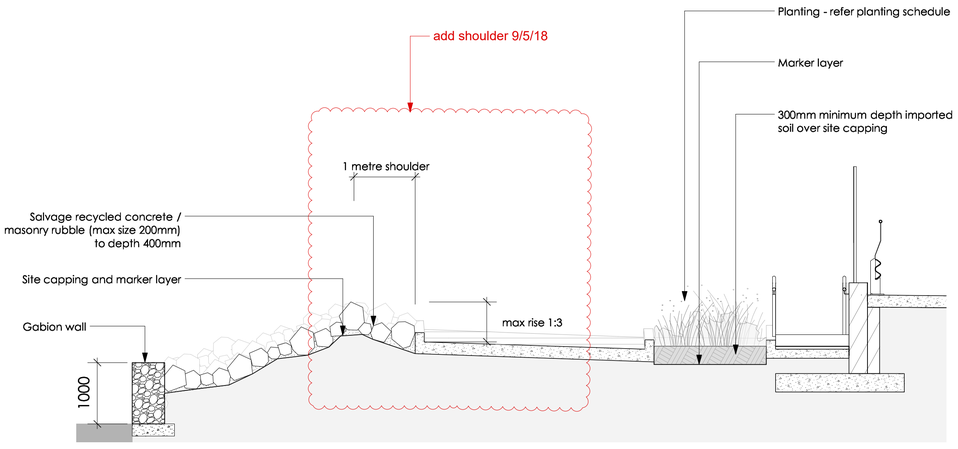
Xrefs: X:\5250000-SW_Subsoil; X:\5721000-SE_Proposed Electricity; X:\5721000-SE_Proposed Telecomms; X:\5721000-SE_Proposed Sewer; X:\5721000-SE_Proposed Stormwater; X:\5721000-SE_Proposed Potable Water; X:\5721000-SU-Ground; X:\5721000-AR_Ground; X:\5721000-SE_Design; X:\5721000-SU_Utilities-100%; X:\5721000-SU_Utilities-100%_X-5721000-SW_Layout; X:\5721000-AR_Roof; X:\5721000-TB_ATH_Civil; X:\5721000-SE_Proposed Nonpotable Water; X:\5721000-SU-Easements
Xref: X:\5721000\Design\AutoCAD\Drawings\acad-C9.01.dwg
Last Edit: 7/07/2018 09:58:14 AM Login Name: ADowd

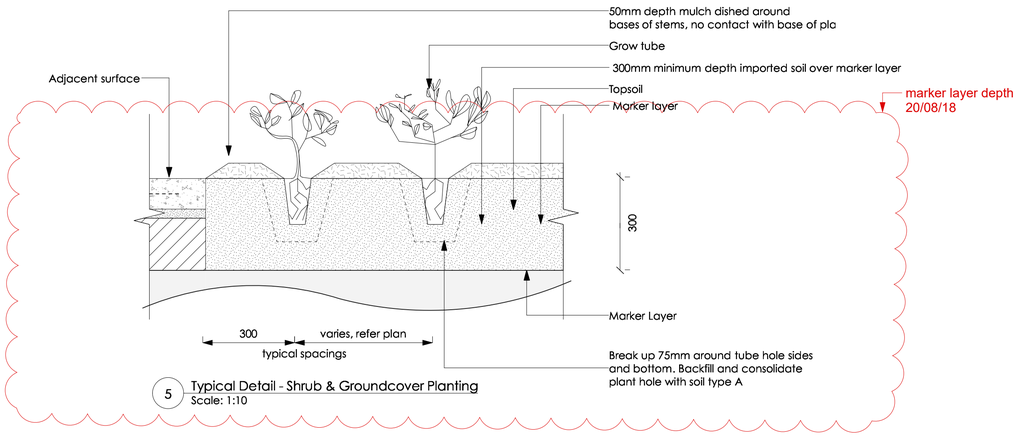


1 Landscape Section 1
Scale: 1:50

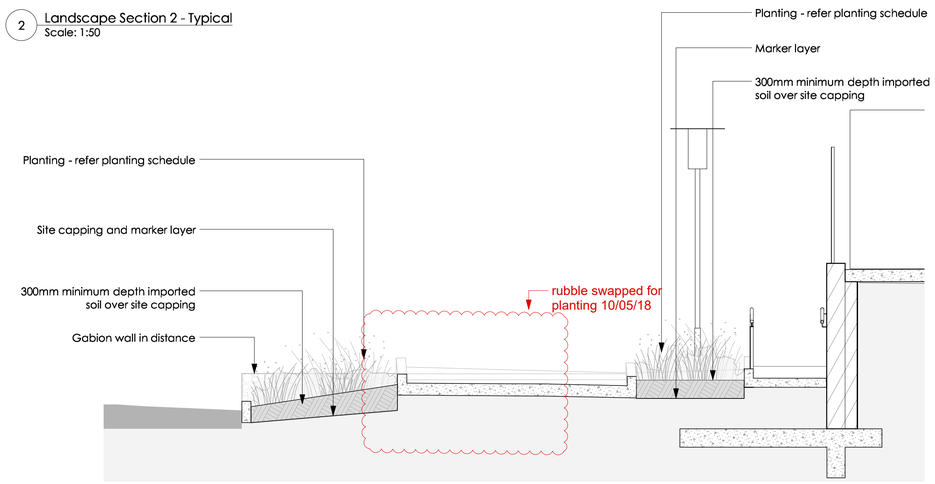


4 Landscape Section 4 - Typical
Scale: 1:50



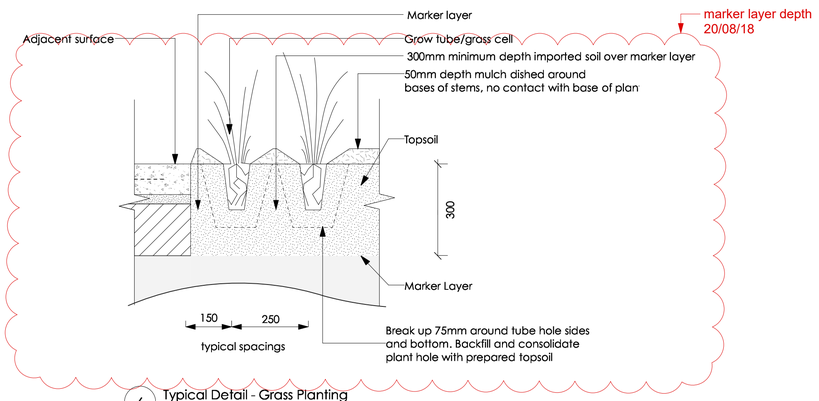


5 Typical Detail - Shrub & Groundcover Planting
Scale: 1:10



2 Landscape Section 2 - Typical
Scale: 1:50

3 Landscape Section 3
Scale: 1:50



6 Typical Detail - Grass Planting
Scale: 1:10

Issue	Description	Date	By
H	TENDER DRAWINGS	20/8/18	LC
G	TENDER DRAWINGS	9/8/18	LC
F	TENDER DRAWINGS	18/7/18	LC
E	TENDER DRAWINGS	27/6/18	LC
D	TENDER DRAWINGS	10/5/18	JEF
C	TENDER DRAWINGS	9/5/18	HL

- Dimension in millimetres.
- Confirm all dimensions and levels on site prior to commencing work.
- Use figured dimensions only.
- Do not scale.
- Comply with relevant authorities requirements, the Building Code of Australia and all relevant Australian Standards when executing works described in this drawing.

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Australia 2010
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Facsimile 61 2 9212 6951
email jila@jila.net.au
www.jila.net.au
jila

CLIENT
Roads and Maritime Services

PROJECT TITLE
Bank St Commercial Wharf
5-11 Bank Street
Pyrmont

DRAWING TITLE
Sections & Details

Scale @ A1
AS SHOWN

Job No
180404

Drawing Status
CONCEPT DESIGN

Drawing No
LA-04

Issue
H

Drafted By: LC

Drafting Checked: JI

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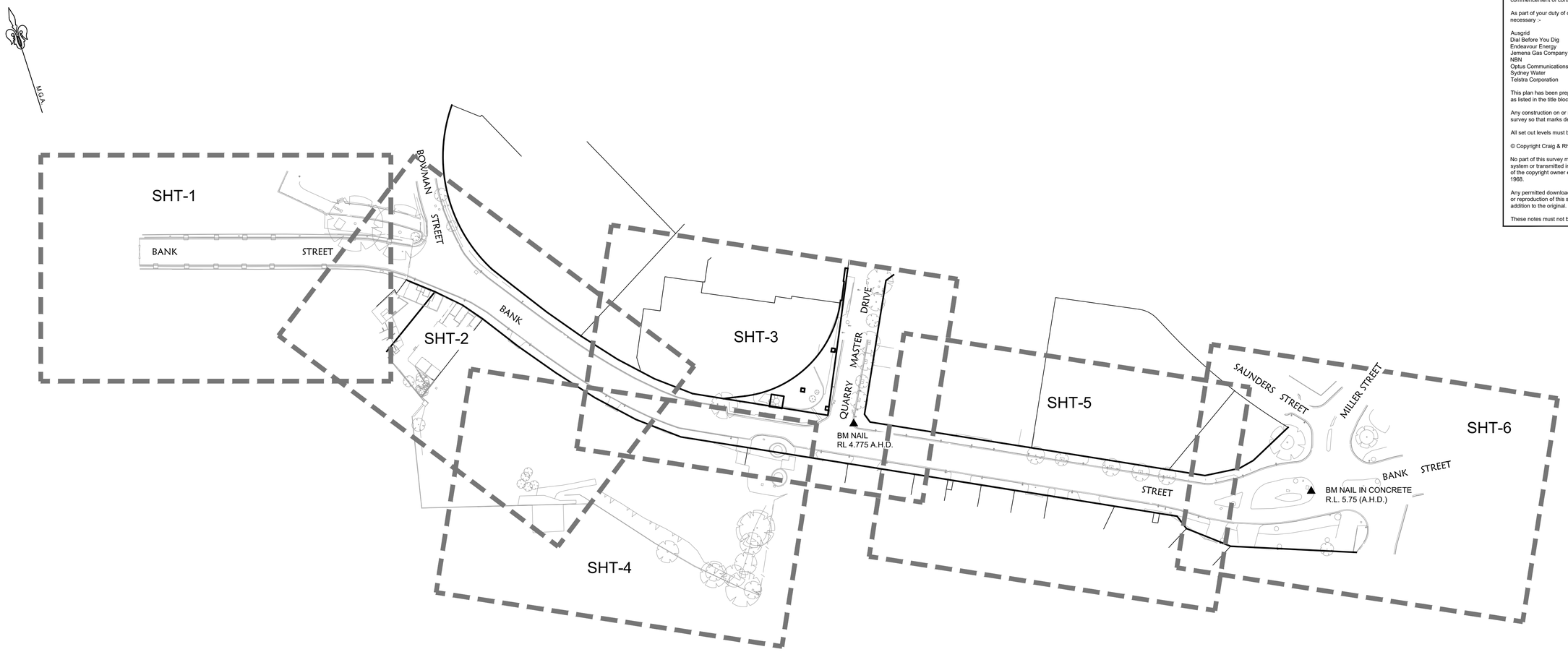
APPENDIX B: SURVEY PLANS



Survey Notes:-

Location of structures approximate only.

The levels and details on this plan have been determined by stadia methods and are within the general accepted accuracies for such surveys. All set out levels must be referred to the bench mark.

Bearings and Distances are by deed only and are subject to Final Survey. Except where shown by dimension, the relationship of improvements to boundaries is diagrammatic only. The true positions are subject to Final Survey.

Tree sizes are estimates and indicative only.

Services and utilities shown have been located by physical evidence and/or by reference to service plans from the relevant authorities. Subsurface utility information shown in accordance with AS5488-2013 QL-D. Pits may not have been opened to verify the type of utility. Excavation has not been carried out to confirm underground location. Service details should be confirmed with the relevant service authority during design and prior to commencement of construction.

As part of your duty of care, please contact the following where necessary :-

Ausgrid	Ph. 131535
Dial Before You Dig	Ph. 1100
Endeavour Energy	Ph. 131081
Jemena Gas Company	Ph. 131245
NBN	Ph. 1800 881 816
Optus Communications	Ph. 1800 505 777
Sydney Water	Ph. 132092
Telstra Corporation	Ph. 132203

This plan has been prepared for the exclusive use of the principal as listed in the title block.

Any construction on or near the boundaries will require further survey so that marks defining boundaries can be placed.

All set out levels must be referred to the bench mark.

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These notes must not be erased.

ORIGIN OF LEVELS: SSM 32843 RL5.36 A.H.D. VIDE SCIMS DATED 28/7/2015

50 40 30 20 10 0 50

1:1000 @ A1

AMEND. No.:	09	DATE:	24/11/2016	DETAILS:	JETTY DELETED
AMEND. No.:	08	DATE:	15/11/2016	DETAILS:	DRAFTING OF ADDITIONAL INFORMATION COMPLETED
AMEND. No.:	07	DATE:	14/11/2016	DETAILS:	ADDITIONAL INFORMATION ADDED
AMEND. No.:	6	DATE:	20/05/2016	DETAILS:	INTERNAL WALLS ADDED FOR 5 BUILDING (B.M. & S.E.)

DIAL 1100 BEFORE YOU DIG

Project:
DETAIL SURVEY OVER
LOTS 1 & 2 D.P.1089643, LOTS 5, 6, 12, 13, Pt.14, 19, 20, 21 & 22 D.P.803159
BANK STREET, QUARRY MASTER DRIVE, BOWMAN STREET
& MILLER STREET, PYRMONT

Principal: URBAN GROWTH

Scale	1:1000	Date	5/8/2015	Council Ref.	
		Datum	A.H.D.	L.G.A.	SYDNEY
Calc's	L.H., L.E., B.M., S.T.	Drawn.	A.P	Proj.Man.	D.J.S
Client Ref:					

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EPPING NSW 1710
ACN 050 209 991
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www.craigandrhodes.com.au
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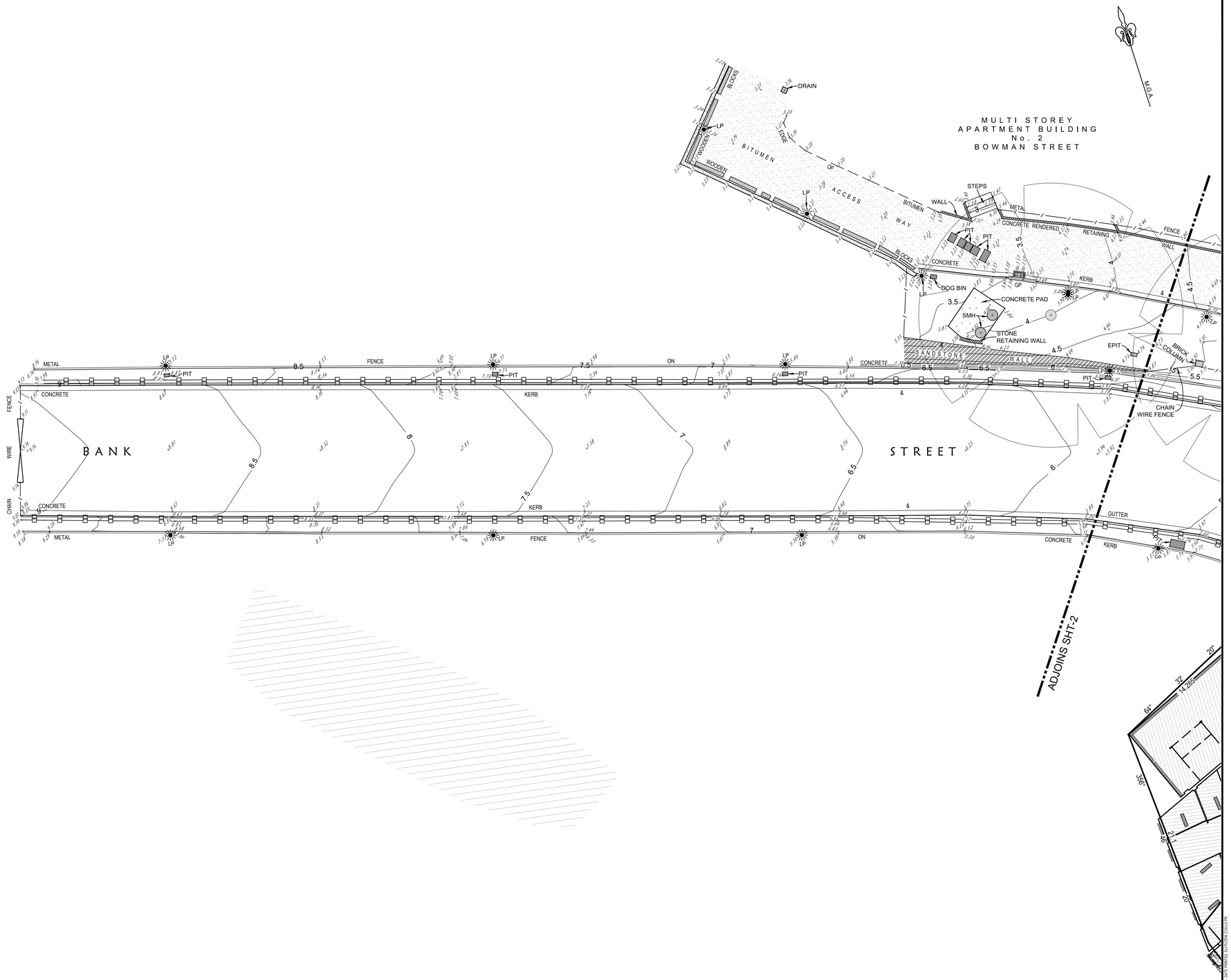
Our Ref. 102-15

Dwg File Ref. [Rev] - Sheet Ref.

102-15G T02 [09] - COVER SHEET

CAD REF: Z:\102-15\GR_PLANS\102-15G T02 [09].DWG - COVER SHEET - L.H., L.E., B.M., S.T. - A.P. - D.J.S - DATE PRINTED: 24/11/2016 3:58:37 PM



LEGEND

AHD	AUSTRALIAN HEIGHT DATUM
BM	BENCH MARK
TC	TELECOMMUNICATIONS PIT
EPIT	ELECTRICAL PIT
EP	ELECTRICAL PILLAR
EBOX	ELECTRICAL BOX
GP	GULLY PIT
HYD	HYDRANT
SMH	SEWER MAINTENANCE HOLE
SV	STOP VALVE
LP	LIGHT POLE
SWP	STORMWATER PIT
WM	WATER METER
SS	STREET SIGN
TL	TRAFFIC LIGHT
	BOLLARD (Ø265 mm)
	GATE
	FENCE
	RAIL
	METAL GUARD RAIL
	ROCK WALL
	TREE
COM	APPROXIMATE LOCATION OF UNDERGROUND TELECOMMUNICATION CABLES (TELSTRA, OPTUS, VOCUS & NEXTGEN) VIDE DBYD
T	APPROXIMATE LOCATION OF UNDERGROUND TELSTRA CABLE VIDE DBYD
O	APPROXIMATE LOCATION OF UNDERGROUND OPTUS CABLE VIDE DBYD
W	APPROXIMATE LOCATION OF WATER MAINS VIDE DBYD
S	APPROXIMATE LOCATION OF SEWER MAINS VIDE DBYD
G	APPROXIMATE LOCATION OF GAS MAINS VIDE DBYD
A	APPROXIMATE LOCATION OF UNDERGROUND AAPT CABLE VIDE DBYD
E	APPROXIMATE LOCATION OF UNDERGROUND ELECTRICAL DUCTS VIDE DBYD
V	APPROXIMATE LOCATION OF UNDERGROUND VERIZON DUCTS VIDE DBYD
SW	APPROXIMATE LOCATION OF STORMWATER PIPES VIDE DBYD

5 4 3 2 1 0 5 10

1:200 @ A1

ORIGIN OF LEVELS: SSM 32843 RL5.36 A.H.D. VIDE SCIMS DATED 28/7/2015

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LOTS 1 & 2 D.P.1089643, LOTS 5, 6, 12, 13, Pt.14, 19, 20, 21 & 22 D.P.803159
BANK STREET, QUARRY MASTER DRIVE, BOWMAN STREET
& MILLER STREET, PYRMONT

Principal: URBAN GROWTH

Scale	1:200	Date	5/8/2015	Council Ref.	
		Datum	A.H.D.	L.G.A.	SYDNEY
Calc's	L.H., L.E., B.M., S.T.	Drawn.	A.P	Proj.Man.	D.J.S
Client Ref:					

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Dwg File Ref. [Rev] - Sheet Ref.

102-15G T02 [09] - 1 OF 7

A1

'A' - EASEMENT FOR WATER SUPPLY 1.8 WIDE (D.P.882897) LIMITED IN STRATUM
'B' - EASEMENT TO DRAIN WATER VARIABLE WIDTH (D.P.882897) LIMITED IN STRATUM
'C' - EASEMENT FOR MAINTENANCE VARIABLE WIDTH (D.P.1041963)
'D' - EASEMENT TO DRAIN WATER 3 WIDE (D.P.1041963) LIMITED IN STRATUM
'E' - EASEMENT FOR ELECTRICITY 3 & 4.265 WIDE (D.P.1041963) LIMITED IN STRATUM
'F' - EASEMENT TO DRAIN WATER 1.735 WIDE (D.P.1041963) LIMITED IN STRATUM
'G' - EASEMENT TO DRAIN WATER 1.735 WIDE (D.P.8301160) LIMITED IN STRATUM
'H' - EASEMENT FOR FOOTINGS & SUPPORT (D.P.8031160) LIMITED IN STRATUM
'I' - PROPOSED EASEMENT FOR ELECTRICITY & OTHER PURPOSES OVER EXISTING LINE OF PIPE (APPROXIMATE POSITION) (D.P.120299)
'J' - EASEMENT FOR ELECTRICITY & OTHER PURPOSES 5 & 6.5 WIDE (D.P.120299)

NOTE:
* FULL DIMENSIONS & AREAS ARE NOT AVAILABLE FOR ALL LOTS.
ANY WORKS ON LANDS HEREIN MAY NECESSITATE THE LODGMENT OF A PLAN OF SURVEY.

SCHEDULE of LINES

No.	BEARING	DISTANCE
1	137°30'10"	0.27
2	16°15'30"	0.505
3	148°49'50"	0.485
4	55°56'30"	1.15

MGA

BOWMAN STREET
BANK STREET
QUARRY MASTER DRIVE
MILLER STREET
BOTTOM OF BANK
TOP OF BANK
PAVEMENT
EDGE
GUTTER
BITUMEN
CONCRETE
KERB & GUTTER
ROCK WALL
SANDSTONE KERB & GUTTER
CONCRETE DRIVEWAY
BITUMEN DRIVEWAY
BITUMEN ACCESS WAY
CONCRETE RENDERED RETAINING WALL
FENCE
WIRE
METAL
BRICK COLUMN
EBOX
SERVICES
BOOM GATE
PARKING METER
METAL FENCE ON CONCRETE KERB
BULKHEAD
STEPS
STEEL BEAM FRAME
LOW BRICK WALLS
UPPER WALL
LOWER WALL
SEAWALL
CONCRETE SEA WALL
ENGINEERING PIT
FLOOD LIGHT
EBOX DUCT
STORMWATER MANHOLE
CONCRETE PYLON
BOLLARD
GRAVEL
RETAINING WALL
CONCRETE PATH
BOAT RAMP
Ø170 mm PIPE

SSM 32843
RL 5.36 A.H.D.

BRICK BUILDING No.1
BANK STREET

1 2 D.P.1089643
TOTAL AREA 1324m² *
SEE BUILDINGS INTERNAL DETAIL ON SHEET 7

1 D.P.439245 0.9m²

22 D.P.803159

19 D.P.803159 1601m²

21 D.P.803159

20 D.P.803159 5612m²

92 D.P.1182887

SP46801

ADJOINS SHT-1

ADJOINS

SHT-6

ADJOINS SHT-3

LEGEND

AHD AUSTRALIAN HEIGHT DATUM
BM BENCH MARK
TC TELECOMMUNICATIONS PIT
EPIT ELECTRICAL PIT
EP ELECTRICAL PILLAR
EBOX ELECTRICAL BOX
GP GULLY PIT
HYD HYDRANT
SMH SEWER MAINTENANCE HOLE
SV STOP VALVE
LP LIGHT POLE
SWP STORMWATER PIT
WM WATER METER
SS STREET SIGN
TL TRAFFIC LIGHT
BOLLARD (Ø265 mm)
GATE
FENCE
RAIL
METAL GUARD RAIL
ROCK WALL
TREE

COM| APPROXIMATE LOCATION OF UNDERGROUND TELECOMMUNICATION CABLES (TELSTRA, OPTUS, VOCUS & NEXTGEN) VIDE DBYD
T| APPROXIMATE LOCATION OF UNDERGROUND TELSTRA CABLE VIDE DBYD
O| APPROXIMATE LOCATION OF UNDERGROUND OPTUS CABLE VIDE DBYD
W| APPROXIMATE LOCATION OF WATER MAINS VIDE DBYD
S| APPROXIMATE LOCATION OF SEWER MAINS VIDE DBYD
G| APPROXIMATE LOCATION OF GAS MAINS VIDE DBYD
A| APPROXIMATE LOCATION OF UNDERGROUND AAPT CABLE VIDE DBYD
E| APPROXIMATE LOCATION OF UNDERGROUND ELECTRICAL DUCTS VIDE DBYD
V| APPROXIMATE LOCATION OF UNDERGROUND VERIZON DUCTS VIDE DBYD
SW| APPROXIMATE LOCATION OF STORMWATER PIPES VIDE DBYD

BOUNDARY OF LOT 22 D.P.803159 ABOVE
BOUNDARY OF LOT 21 D.P.803159 ABOVE

ORIGIN OF LEVELS: SSM 32843 RL5.36 A.H.D. VIDE SCIMS DATED 28/7/2015

5 4 3 2 1 0 5 10
1:200 @ A1

AMEND. No.: 09	DATE: 24/11/2016	DETAILS:	JETTY DELETED
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DIAL 1100 BEFORE YOU DIG

Project: DETAIL SURVEY OVER
LOTS 1 & 2 D.P.1089643, LOTS 5, 6, 12, 13, Pt.14, 19, 20, 21 & 22 D.P.803159
BANK STREET, QUARRY MASTER DRIVE, BOWMAN STREET
& MILLER STREET, PYRMONT

Principal: URBAN GROWTH
Scale 1:200 | Date 5/8/2015 | Council Ref.
Datum A.H.D. | L.G.A. SYDNEY
Calc's L.H., L.E., B.M., S.T. | Drawn. A.P | Proj.Man. D.J.S | Client Ref:

CRAIG & RHODES
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102-15G T02 [09] - 2 OF 7

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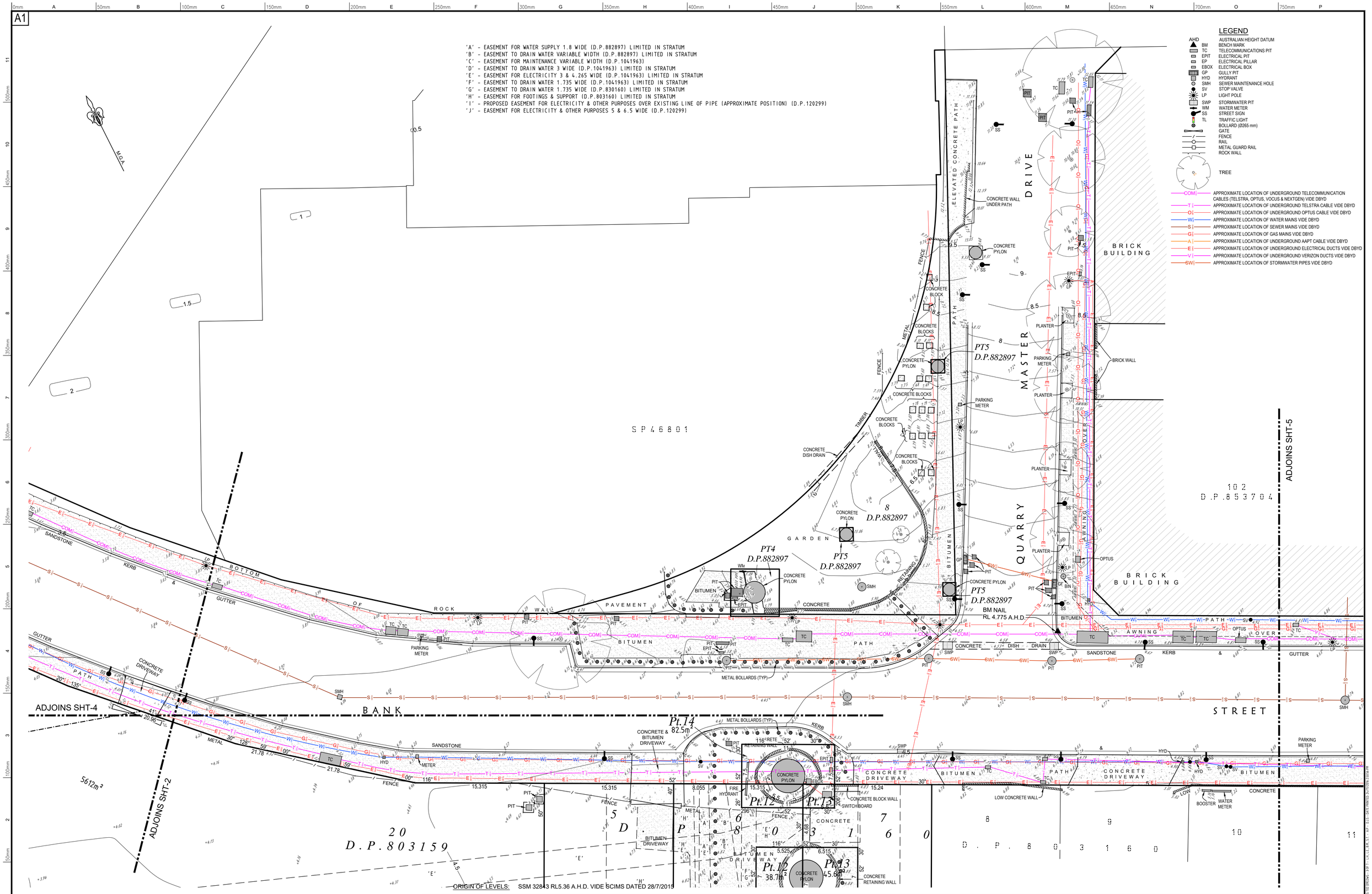

AMEND. No.:	DATE:	DETAILS:
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DIAL 1100 BEFORE YOU DIG

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Principal: URBAN GROWTH

Scale	1:200	Date	5/8/2015	Council Ref.	
		Datum	A.H.D.	L.G.A.	SYDNEY
Calc's	L.H., L.E., B.M., S.T.	Drawn.	A.P	Proj.Man.	D.J.S
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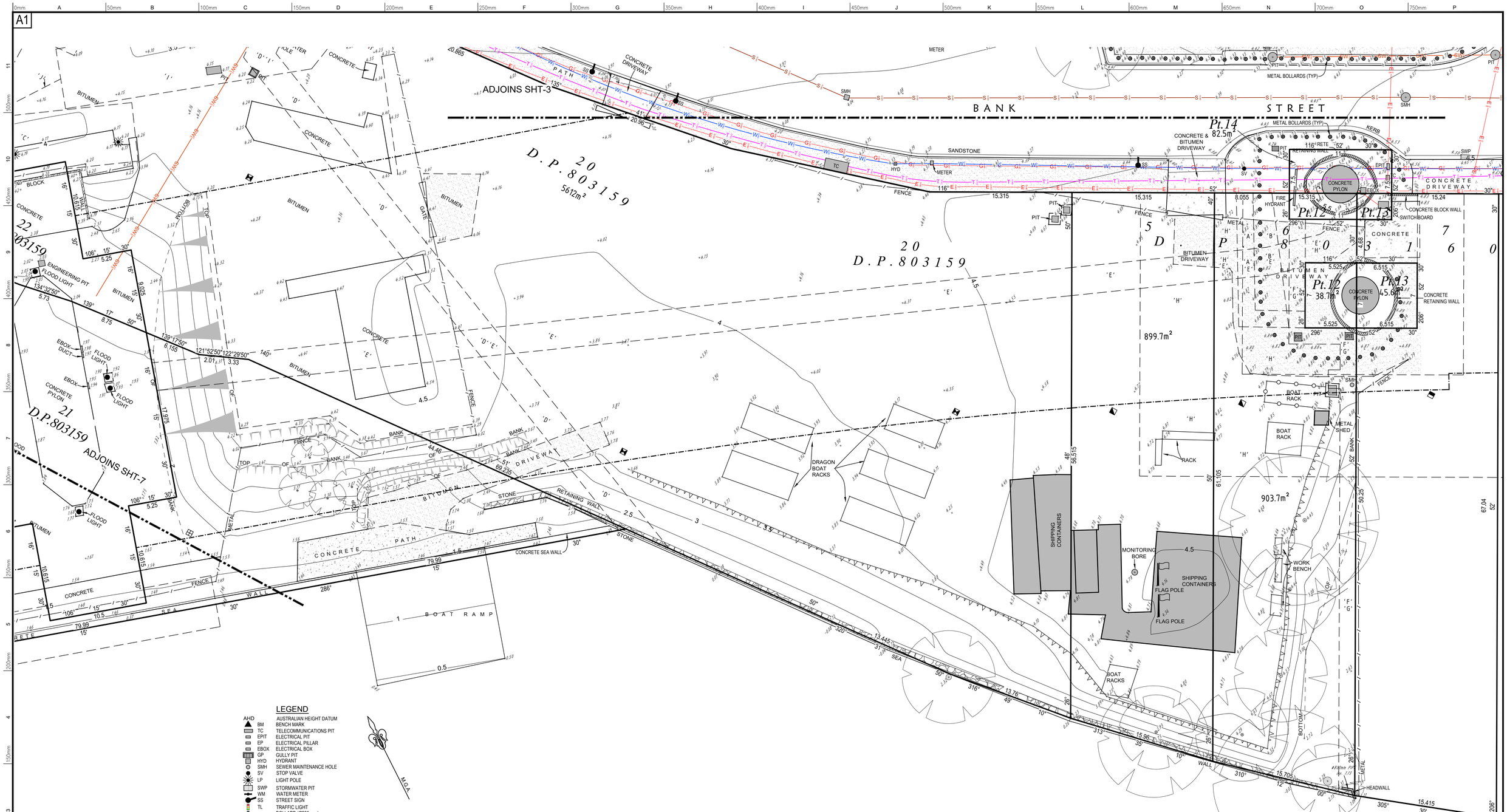
Our Ref. 102-15

Dwg File Ref. [Rev] - Sheet Ref.

102-15G T02 [09] - 3 OF 7



LEGEND

AHD	AUSTRALIAN HEIGHT DATUM
BM	BENCH MARK
TC	TELECOMMUNICATIONS PIT
EPIT	ELECTRICAL PIT
EP	ELECTRICAL PILLAR
EBOX	ELECTRICAL BOX
GP	GULLY PIT
HYD	HYDRANT
SMH	SEWER MAINTENANCE HOLE
SV	STOP VALVE
LP	LIGHT POLE
SWP	STORMWATER PIT
WM	WATER METER
SS	STREET SIGN
TL	TRAFFIC LIGHT
	BOLLARD (Ø265 mm)
	GATE
	FENCE
	RAIL
	METAL GUARD RAIL
	ROCK WALL
	TREE
COM	APPROXIMATE LOCATION OF UNDERGROUND TELECOMMUNICATION CABLES (TELSTRA, OPTUS, VOCUS & NEXTGEN) VIDE DBYD
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SW	APPROXIMATE LOCATION OF STORMWATER PIPES VIDE DBYD
	BOUNDARY OF LOT 22 D.P.803159 ABOVE
	BOUNDARY OF LOT 21 D.P.803159 ABOVE
	BOUNDARY OF LOT 12 D.P.803160 ABOVE
	BOUNDARY OF LOT 13 D.P.803160 ABOVE

'A' - EASEMENT FOR WATER SUPPLY 1.8 WIDE (D.P.882897) LIMITED IN STRATUM
'B' - EASEMENT TO DRAIN WATER VARIABLE WIDTH (D.P.882897) LIMITED IN STRATUM
'C' - EASEMENT FOR MAINTENANCE VARIABLE WIDTH (D.P.1041963)
'D' - EASEMENT TO DRAIN WATER 3 WIDE (D.P.1041963) LIMITED IN STRATUM
'E' - EASEMENT FOR ELECTRICITY 3 & 4.265 WIDE (D.P.1041963) LIMITED IN STRATUM
'F' - EASEMENT TO DRAIN WATER 1.735 WIDE (D.P.1041963) LIMITED IN STRATUM
'G' - EASEMENT TO DRAIN WATER 1.735 WIDE (D.P.830160) LIMITED IN STRATUM
'H' - EASEMENT FOR FOOTINGS & SUPPORT (D.P.803160) LIMITED IN STRATUM
'I' - PROPOSED EASEMENT FOR ELECTRICITY & OTHER PURPOSES OVER EXISTING LINE OF PIPE (APPROXIMATE POSITION) (D.P.120299)
'J' - EASEMENT FOR ELECTRICITY & OTHER PURPOSES 5 & 6.5 WIDE (D.P.120299)

ORIGIN OF LEVELS: SSM 32843 RL5.36 A.H.D. VIDE SCIMS DATED 28/7/2015

5 4 3 2 1 0 5 10
1:200 @ A1

AMEND. No.:	DATE:	DETAILS:
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DIAL 1100 BEFORE YOU DIG

Project: DETAIL SURVEY OVER LOTS 1 & 2 D.P.1089643, LOTS 5, 6, 12, 13, Pt.14, 19, 20, 21 & 22 D.P.803159 BANK STREET, QUARRY MASTER DRIVE, BOWMAN STREET & MILLER STREET, PYRMONT

Principal: URBAN GROWTH

Scale	1:200	Date	5/8/2015	Council Ref.	
		Datum	A.H.D.	L.G.A.	SYDNEY
Calc's	L.H., L.E., B.M., S.T.	Drawn.	A.P	Proj.Man.	D.J.S
Client Ref:					

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Our Ref. 102-15

Dwg File Ref. [Rev] - Sheet Ref.

102-15G T02 [09] - 4 OF 7

A1

MGA

ADJOINS SHT-3

ADJOINS SHT-6

102
D.P.853704

102
D.P.853704

101
D.P.853704

101
D.P.853704

1
D.P.820577

2
D.P.1064339

BRICK BUILDING

BRICK WALL

BRICK BUILDING

BITUMEN DRIVEWAY

BITUMEN DRIVEWAY

CONCRETE DRIVEWAY

CONCRETE TRAFFIC ISLAND

BITUMEN

AWNING

OVER

PATH

RAIL

STREET

BANK

STREET

KERB

GUTTER

PARKING METER

PARKING METER

OPTUS

OPTUS PIT

SANDSTONE

SANDSTONE

PLANTER

PLANTER

PLANTER

GAS

HYD

SMH

SV

LP

SS

TC

PIT

GP

4.5

4.5

BITUMEN

CONCRETE

BOOSTER

WATER METER

PATH

WALL

LOW CONCRETE WALL

METAL

POLES

CONCRETE DRIVEWAY

FENCE

POLE

BOOSTER

BITUMEN

PATH

CONCRETE DRIVEWAY

POLE

FENCE

METAL FENCE

CONCRETE DRIVEWAY

METER

METAL

CONCRETE DRIVEWAY

BITUMEN

PATH

GARDEN

Ø100 TIMBER BOLLARDS

CONCRETE DRIVEWAY

FENCE

GUTTER

CONCRETE PYLON

10

11

20

21

22

24

25

PT23
D.P.811844

PT28
D.P.815847

PT29
D.P.815847

D.P.803160

'POULOS BROS'

D.P.811844

D.P.815847

LEGEND

AHD		AUSTRALIAN HEIGHT DATUM
▲	BM	BENCH MARK
	TC	TELECOMMUNICATIONS PIT
	EPIT	ELECTRICAL PIT
	EP	ELECTRICAL PILLAR
	EBOX	ELECTRICAL BOX
	GP	GULLY PIT
	HYD	HYDRANT
	SMH	SEWER MAINTENANCE HOLE
	SV	STOP VALVE
	LP	LIGHT POLE
	SWP	STORMWATER PIT
	WM	WATER METER
	SS	STREET SIGN
	TL	TRAFFIC LIGHT
		BOLLARD (Ø265 mm)
		GATE
		FENCE
		RAIL
		METAL GUARD RAIL
		ROCK WALL
		TREE

COM	APPROXIMATE LOCATION OF UNDERGROUND TELECOMMUNICATION CABLES (TELSTRA, OPTUS, VOCUS & NEXTGEN) VIDE DBYD
T	APPROXIMATE LOCATION OF UNDERGROUND TELSTRA CABLE VIDE DBYD
O	APPROXIMATE LOCATION OF UNDERGROUND OPTUS CABLE VIDE DBYD
W	APPROXIMATE LOCATION OF WATER MAINS VIDE DBYD
S	APPROXIMATE LOCATION OF SEWER MAINS VIDE DBYD
G	APPROXIMATE LOCATION OF GAS MAINS VIDE DBYD
A	APPROXIMATE LOCATION OF UNDERGROUND AAPT CABLE VIDE DBYD
E	APPROXIMATE LOCATION OF UNDERGROUND ELECTRICAL DUCTS VIDE DBYD
V	APPROXIMATE LOCATION OF UNDERGROUND VERIZON DUCTS VIDE DBYD
SW	APPROXIMATE LOCATION OF STORMWATER PIPES VIDE DBYD

5 4 3 2 1 0 5 10

1:200 @ A1

AMEND. No.:	09	DATE: 24/11/2016	DETAILS: JETTY DELETED
AMEND. No.:	08	DATE: 15/11/2016	DETAILS: DRAFTING OF ADDITIONAL INFORMATION COMPLETED
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Principal: URBAN GROWTH

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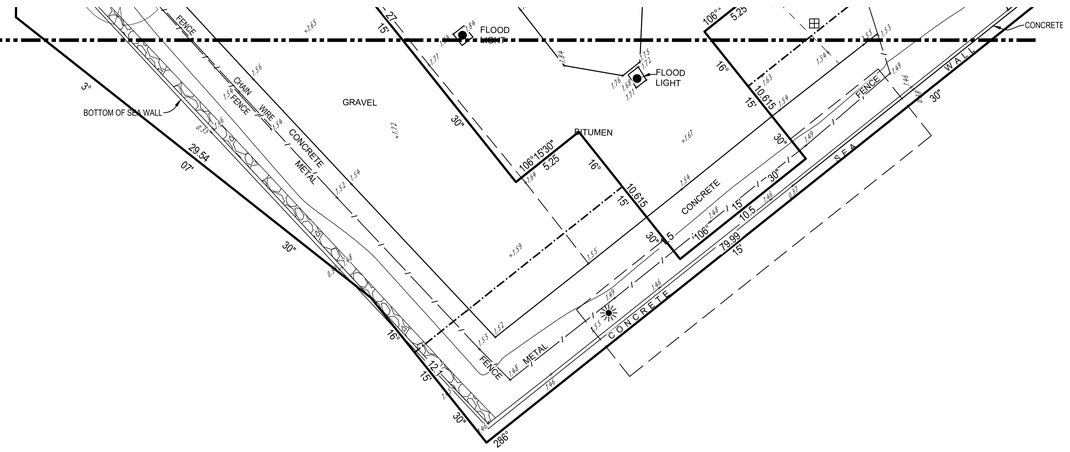
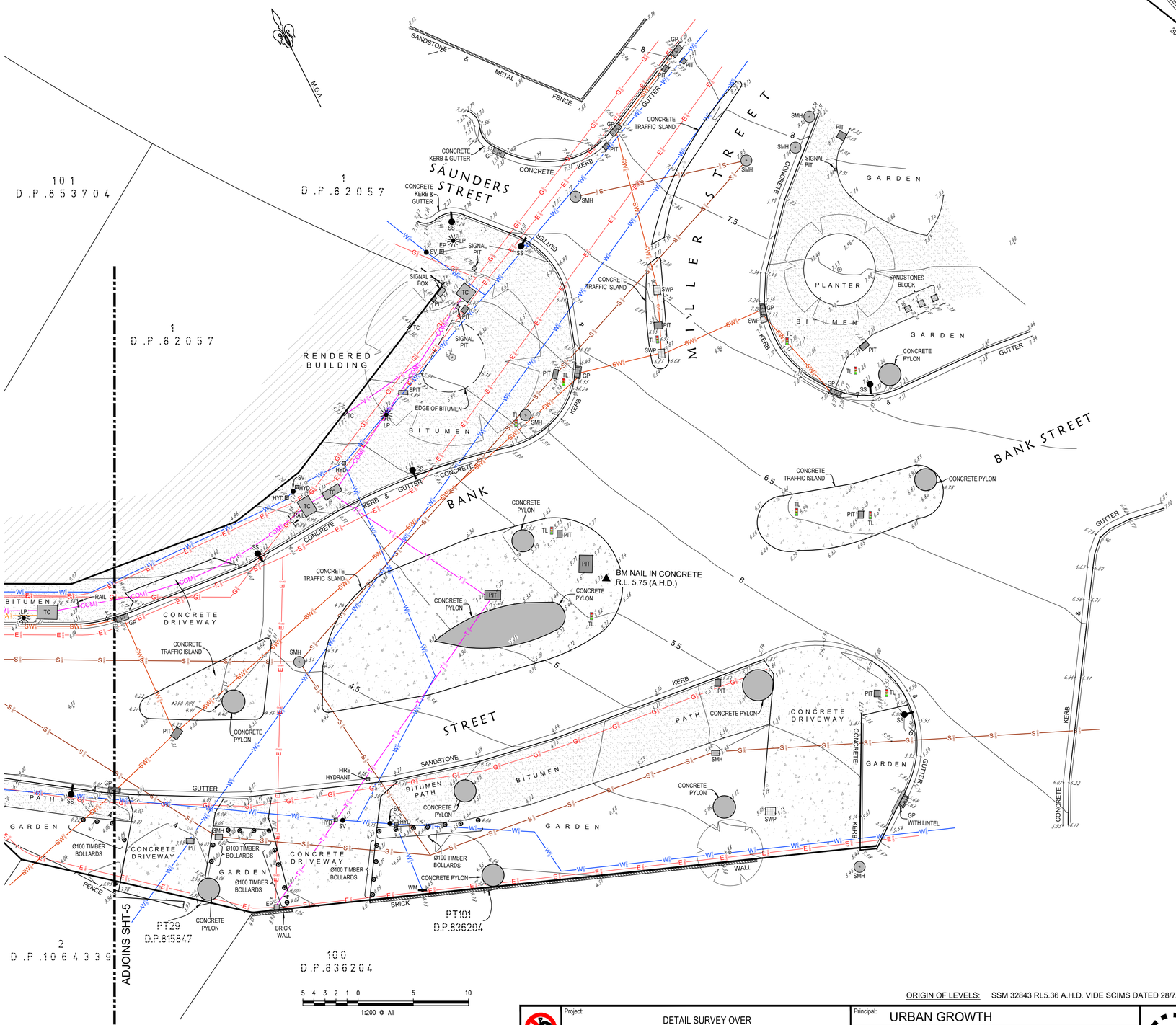
A1

ADJOINS SHT-2



SCALE 1:200



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ORIGIN OF LEVELS: SSM 32843 RL5.36 A.H.D. VIDE SCIMS DATED 28/7/2015

LEGEND

AHD		AUSTRALIAN HEIGHT DATUM
	BM	BENCH MARK
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GI		APPROXIMATE LOCATION OF GAS MAINS VIDE DBYD
AI		APPROXIMATE LOCATION OF UNDERGROUND AAPT CABLE VIDE DBYD
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Principal: URBAN GROWTH

Scale 1:200	Date 5/8/2015	Council Ref.	
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102-15G T02 [09] - 6 OF 7

CAD REF: J:\102-15\02_PLANS\102-15G T02.DWG - 6 OF 7 - LH, L.E, B.M, S.T. - A.P - 13.5 - LAST PRINTED 24/11/2016 2:51:58 PM

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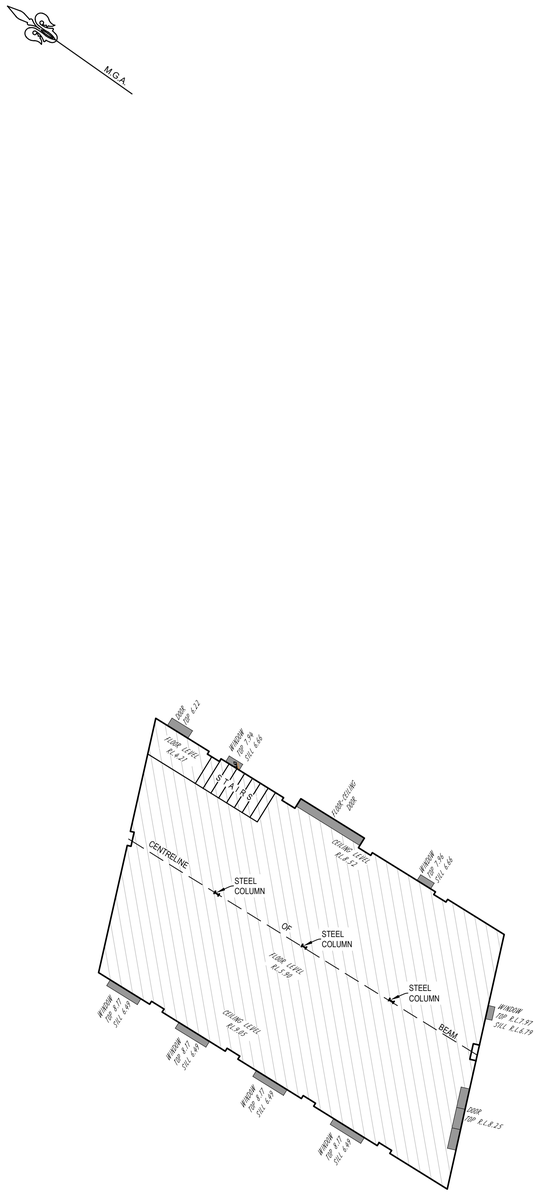

GROUND FLOOR DIAGRAM
SCALE 1:100

BUILDINGS INTERNAL DETAIL
SCALE 1:100

NOTE:
* FULL DIMENSIONS & AREAS ARE NOT AVAILABLE FOR ALL LOTS.
ANY WORKS ON LANDS HEREIN MAY NECESSITATE THE LODGMENT OF A PLAN OF SURVEY.

ORIGIN OF LEVELS: SSM 32843 RL5.36 A.H.D. VIDE SCIMS DATED 28/7/2015

5 4 3 2 1 0 5
1:100 @ A1

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Principal: URBAN GROWTH
Scale 1:200 1:100
Date 5/8/2015
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Datum A.H.D.
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102-15G T02 [09] - 7 OF 7

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Sara Arthur

From: Sara Arthur
Sent: Thursday, 25 June 2020 2:25 PM
To: 'Julian Burgess'; Harlow, Digby
Cc: rebeccaorgano@consara.com.au; Andrew Lau
Subject: RMS Bank St Pyrmont - comments on Draft Val Report and draft EMP

Hi Julian and Digby,

Andrew has completed his review of the draft *Validation Report, Maritime Facility, Northern Part of 5-11 Bank Street Pyrmont NSW*, (15 June 2020) and the draft *Long-Term Environmental Management Plan, Maritime Facility, Northern Part of 5-11 Bank Street Pyrmont, NSW*, (23 June 2020) both by CONSARA and offers the following comments.

Validation Report

- Site Identifiers: The consent modification (MP 11_0001 MOD 3) identifies the site as Lot 107 DP1076596, Part Lot 5 DP 1209992, ***Part* Lot 19 DP 803159, Part Lot 20 DP 803159, Lot 21 DP 803159, Lot 22 DP 803159** and the draft Validation Report refers to "the site" as being "**Lot 22 DP803159, Lot 19 DP803159, Lot 21 DP803159** and **Part Lot 20 DP803159**" and notes it makes up the northern portion of 5 – 11 Bank St, Pyrmont. The Auditor notes that the consent refers to "part lot 19 DP 803159" while the draft Validation Report refers to "Lot 19 DP 803159". This will need to be checked.
- Survey Plan: In accordance with sections 3.4.1 and 3.6.1 of the *Guidelines for the Site Auditor Scheme* (3rd edn, NSW EPA 2017) a survey plan that is capable of black and white reproduction and clearly shows the boundaries of the site with coordinates showing should be included in the Validation Report.

EMP

- The comments above that relate to the site identifiers and survey plan also relate to the EMP.
- Section 3.5 of the EMP should include a provision that the EMP can only be removed if additional remediation/validation is undertaken and a Site Audit Statement is issued confirming suitability of the site for the proposed use(s) without requiring an EMP.
- The updated guidelines *Consultants Reporting on Contaminated Land* (NSW EPA, May 2020) has a requirement for version number, author/reviewer names and who commissioned the report etc. The final EMP should provide these details.
- The updated guidelines also includes a checklist for EMPs that requires a statement whether an EMP is active or passive, within the "purpose" section of the EMP. The final EMP should address this.
- Minor typo: The text within Appendix B and C need to be swapped over.

If you have any queries please contact myself on 0425 287 451 or Andrew on 0412 512 614.

Kind Regards,

Sara

Dr Sara Arthur | Associate Consultant | JBS&G
Sydney | Melbourne | Adelaide | Perth | Brisbane | Canberra | Darwin | Wollongong | Bunbury
Level 1, 50 Margaret Street Sydney NSW 2000
T: 02 8245 0300 | M: 0425 287 451 | E: sarthur@jbsg.com.au | W: www.jbsg.com.au
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Appendix C Site Plans

A4

PROJECT No.	C151008
FILE NAME	F007
DATE	16/06/20
DRAWN	RR
APPROVED	RO

LEGEND

SITE BOUNDARY

CLIENT
TRANSPORT for NSW

PROJECT
LONG-TERM ENVIRONMENTAL MANAGEMENT PLAN, NORTHERN PART OF 5-11 BANK STREET, PYRMONT, NSW

TITLE
SITE LOCATION PLAN

FIGURE No.
1

CONSARA

Plotted By: ReynoldsR Plot Date: 06/07/05 - 22:37 Cad File: E:\personal_CAD R21_\CONSARA\C151008_BankStreet1\FIGURES\C151008-F007.dwg

A3

PROJECT No.	**C151008**
FILE NAME	**F008**
DATE	**16.06.20**
DRAWN	**RR**
APPROVED	**RO**

LEGEND

- SITE BOUNDARY
- COMMERCIAL MARINA FACILITY
- PUBLIC OPEN SPACE

0 2 4 6 8 10
(metres)

CLIENT
TRANSPORT for NSW

PROJECT
LONG-TERM ENVIRONMENTAL MANAGEMENT PLAN, NORTHERN PART OF 5-11 BANK STREET, PYRMONT, NSW

TITLE
SITE LAYOUT

FIGURE No.
2

CONSARA

A3

PROJECT No.	**C151008**
FILE NAME	**F011**
DATE	**02.07.20**
DRAWN	**RR**
APPROVED	**RO**

LEGEND

- SITE BOUNDARY
- GABION / RETAINING WALL
- BLOCK WALL
- ASPHALT
- CONCRETE
- ROCK
- GARDEN BED
- GRAVEL
- PITS / STRUCTURES
- KERB
- TOP OF GEOFABRIC MARKER LAYER
- 5.817 RL (m AHD)

EXTENT OF MARKER LAYER

E 332408.390
N 6250843.134
COORDINATES IN M.G.A.

E 332383.191
N 6250878.014

E 332346.068
N 6250852.885

E 332347.671
N 6250846.101

E 325459.295
N 6248332.504

E 332408.390
N 6250843.134

E 332335.839
N 6250808.149

E 332373.845
N 6250808.998

E 332370.182
N 6250798.180

E 332397.492
N 6250801.189

BANK STREET

OVER WATER MARINA

OVER WATER MARINA

BLACK WATTLE BAY

0 2 4 6 8 10
(metres)

CLIENT
TRANSPORT for NSW

PROJECT
LONG-TERM ENVIRONMENTAL MANAGEMENT PLAN, NORTHERN PART OF 5-11 BANK STREET, PYRMONT, NSW

TITLE
FINAL SITE LAYOUT

FIGURE No.
3

CONSARA

Appendix D Consultant's Summary Tables

CONSARA contaminated sites

Table 3 - Soil Analytical Results - Characterisation Samples - BTEX, TPH, PAHs, Metals

Sample ID										CS_01	QC01 (Intra-Lab Dup of CS_01)	QC02 (Inter-Lab Dup of CS_01)	CS_07	CS_08	SP01_01	SP02_01	SP03_01	SP03_02	SP04_01	SP05_01	SP_ACM_01	SP_ACM_03	QC01 (Intra-Lab Dup of SP_ACM_03)	QC100	QC101
Description										Sandy soils, some minor clays and silts, sandstone gravels, rocks			Crushed concrete road base, sands, gravels	Crushed concrete road base, sands, gravels	Sandy soils, some minor clays and silts, sandstone gravels, rocks	Sandy soils, some minor clays and silts, sandstone gravels, rocks	Sandy soils, some minor clays and silts, sandstone gravels, rocks	Sandy soils, some minor clays and silts, sandstone gravels, rocks	Sandy soils, some minor clays and silts, sandstone gravels, rocks	Sandy soils, some minor clays and silts, sandstone gravels, rocks	Sandy soils, some minor clays, silts and gravels, some fragments of ACM	Sandy soils, some minor clays, silts and gravels, some fragments of ACM		Trip Spike	Trip Blank
Date Sampled										9/12/2019			09/12/2019	09/12/2019	14/01/2020	14/01/2020	14/01/2020	14/01/2020	14/01/2020	14/01/2020	14/01/2020	14/01/2020		09/12/2019	09/12/2019
Compounds	Units	PQL	NEPM (2013) HSL C/ HSL D (SAND 0-<1m bgs)	NEPM (2013) HSL C/ HSL D (SAND 1 to <2m bgs)	NEPM (2013) HSL C/ HSL D (SAND 2 to 4m bgs)	NEPM (2013) HSL C/ HSL D (SAND 4+ m bgs)	NEPM (2013) Soil Saturation SAND (Csat)	NEPM (2013) HIL C	NEPM (2013) HIL D																
BTEX																									
Benzene	mg/kg	1	NL/3	NL/3	NL/3	NL/3	360	-		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	90%	<0.2
Toluene	mg/kg	1	NL	NL	NL	NL	560	-		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	91%	<0.5
Ethylbenzene	mg/kg	1	NL	NL	NL	NL	64	-		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	88%	<1
Xylene (m & p)	mg/kg	2	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<3	<2	<2	<2	<2	<2	88%	<2
Xylene (o)	mg/kg	1	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	90%	<1
Xylene Total	mg/kg		NL/230	NL	NL	NL	300	-		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	INTI	<3
Naphthalene	mg/kg	1	NL	NL	NL	NL	9	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	NA
TPH																									
TRH C6 - C9	mg/kg	10	-	-	-	-	-	-	-	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NA	NA
TRH C6 - C10	mg/kg	10	-	-	-	-	-	-	-	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NA	NA
vTPH C6 - C10 less BTEX (F1)	mg/kg	10	NL/260	NL/370	NL/630	NL	950	-		<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NA	NA
TRH C10 - C14	mg/kg	50	-	-	-	-	-	-	-	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	NA	NA
TRH C15 - C28	mg/kg	100	-	-	-	-	-	-	-	<100	<100	110	<100	<100	100	<100	<100	<100	<100	<100	<100	<100	<100	NA	NA
TRH C29 - C36	mg/kg	100	-	-	-	-	-	-	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	110	<100	<100	<100	NA	NA
TRH >C10-C16	mg/kg	50	-	-	-	-	-	-	-	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	NA	NA
TRH >C10 - C16 less Naphthalene (F2)	mg/kg	50	NL	NL	NL	NL	560	-	-	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	NA	NA
TRH >C16-C34	mg/kg	100	-	-	-	-	-	-	-	<100	<100	<100	160	<100	160	<100	<100	<100	<100	170	<100	<100	<100	NA	NA
TRH >C34-C40	mg/kg	100	-	-	-	-	-	-	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	NA	NA
Total +ve TRH (>C10-C40)	mg/kg	100	-	-	-	-	-	-	-	<50	<50	160	<50	<50	160	<50	<50	<50	<50	170	<50	<50	<50	NA	NA
PAHs																									
Naphthalene	mg/kg	0.1	NL	NL	NL	NL	9			<0.1	<0.1	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NA	NA
Acenaphthylene	mg/kg	0.1	-	-	-	-	-	-	-	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NA	NA
Acenaphthene	mg/kg	0.1	-	-	-	-	-	-	-	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	0	<0.1	NA	NA
Fluorene	mg/kg	0.1	-	-	-	-	-	-	-	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NA	NA
Phenanthrene	mg/kg	0.1	-	-	-	-	-	-	-	0.8	0.7	0.8	0.1	0.4	0.4	0.1	0.2	0.2	2.4	1	1	0	0	NA	NA
Anthracene	mg/kg	0.1	-	-	-	-	-	-	-	0.1	0.2	<0.5	<0.1	0.1	<0.1	<0.1	0.2	0.3	0.5	0	0	<0.1	<0.1	NA	NA
Fluoranthene	mg/kg	0.1	-	-	-	-	-	-	-	2.1	2.0	2.8	0.4	1.0	1.7	0.5	0.7	0.8	7.6	2	3	1	1	NA	NA
Pyrene	mg/kg	0.1	-	-	-	-	-	-	-	2.0	1.8	2.7	0.4	0.9	1.7	0.5	0.7	0.8	7.6	2	3	1	1	NA	NA
Benzo(a)anthracene	mg/kg	0.1	-	-	-	-	-	-	-	1.1	1.0	1.2	0.2	0.5	0.8	0.3	0.3	0.4	3.3	1	1	0	1	NA	NA
Chrysene	mg/kg	0.1	-	-	-	-	-	-	-	1.0	1.0	1.2	0.2	0.5	0.7	0.2	0.3	0.4	2.7	1	1	0	0	NA	NA
Benzo(b,j+k)fluoranthene	mg/kg	0.2	-	-	-	-	-	-	-	2.4	2.0	2.5	0.4	1.0	1.0	0.5	0.6	0.7	6.0	1	2	1	1	NA	NA
Benzo(a)pyrene	mg/kg	0.1	-	-	-	-	-	-	-	1.4	1.2	1.4	0.3	0.6	0.9	0.3	0.4	0.4	3.3	1	1	0	1	NA	NA
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	-	-	-	-	-	-	-	0.9	0.7	1.0	0.2	0.4	0.5	0.2	0.2	0.2	1.6	0	0	0	0	NA	NA
Dibenzo(a,h)anthracene	mg/kg	0.1	-	-	-	-	-	-	-	0.2	0.2	<0.5	<0.1	0.1	0.1	<0.1	<0.1	<0.1	0.3	<0.1	0	<0.1	<0.1	NA	NA
Benzo(g,h,i)perylene	mg/kg	0.1	-	-	-	-	-	-	-	1.3	0.9	1.3	0.2	0.5	0.6	0.2	0.2	0.2	1.8	0	0	0	0	NA	NA
PAHs (Sum of Total)	mg/kg	-	-	-	-	-	-	300	4000	14.0	12.0	14.9	2.5	5.9	8.8	2.8	3.8	4.2	37.0	7	12	4	5	NA	NA
Benzo(a)pyrene TEQ calc (zero)	mg/kg	0.5	-	-	-	-	-	3	40	2.2	1.8	1.9	<0.5	0.9	1.3	<0.5	<0.5	0.5	4.8	1	1	1	1	NA	NA
Benzo(a)pyrene TEQ calc(half)	mg/kg	0.5	-	-	-	-	-	3	40	2.2	1.8	2.1	<0.5	0.9	1.3	<0.5	0.5	0.6	4.8	1	1	1	1	NA	NA
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	0.5	-	-	-	-	-	3	40	2.2	1.8	2.4	<0.5	0.9	1.3	<0.5	0.6	0.6	4.8	1	1	1	1	NA	NA
Metals																									
Arsenic	mg/kg	1	-	-	-	-	-	300	3000	6	6	8	<4	5	5	<4	<4	4	5	<4	10	7	6	NA	NA
Cadmium	mg/kg	0.1	-	-	-	-	-	90	900	<0.4	<0.4	<1	<0.4	<0.4	<0.4	<0.4	1	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	NA	NA
Chromium	mg/kg	1	-	-	-	-	-	300[1]	3600[1]	9	9	7	9	10	9	8	12	13	9	8	10	8	9	NA	NA
Copper	mg/kg	1	-	-	-	-	-	17000	240000	93	49	53	18	33	40	16	24	27	36	34	59	50	55	NA	NA
Lead	mg/kg	1	-	-	-	-	-	600	1500	300	200	369	25	82	80	38	43	39	93	110	85	82	89	NA	NA
Mercury	mg/kg	0.05	-	-	-	-	-	80	730	0.3	0.2	0.3	<0.1	0.1	<0.1	<0.1	0	<0.1	0	<0.1	0	0	1	NA	NA
Nickel	mg/kg	1	-	-	-	-	-	1200	6000	13	11	14	16	9	7	5	7	8	8	7	12	10	11	NA	NA
Zinc	mg/kg	1	-	-	-	-	-	30000	400000	120	140	170	64	130	240	65	65	66	91	120	110	99	98	NA	NA

NOTES:
< Value = Concentration less than laboratory Practical Quantitation Limit (PQL)
NC - Non Calculable
NA - Not Analysed
1. Guideline is for Chromium (VI)

Table 4 - Soil Analytical Results - Characterisation Samples - OCPs, OPPs, PCBs, Phenols

Sample ID					CS_01	QC01 (Intra-Lab Dup of CS_01)	QC02 (Inter-Lab Dup of CS_01)	CS_07	CS_08	SP01_01	SP02_01	SP03_01	SP03_02	SP04_01	SP05_01	SP_ACH_01	SP_ACH_03	QC01 (Intra-Lab Dup of SP_ACH_03)
Date Sampled					09/12/2019			09/12/2019	09/12/2019	14/01/2020	14/01/2020	14/01/2020	14/01/2020	14/01/2020	14/01/2020	14/01/2020	14/01/2020	
Compounds	**Units**	**PQL**	**NEPM (2013) HIL C**	**NEPM (2013) HIL D**														
Organochlorine Pesticides																		
HCB	mg/kg	0.1	**10**	**80**	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1	**10**	**50**	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	**400**	**2500**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
DDT+DDE+DDD	mg/kg		**400**	**3600**	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Aldrin + Dieldrin	mg/kg		**10**	**45**	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Endosulfan	mg/kg		**340**	**2000**	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Organophosphorous Pesticides																		
Dichlorvos	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	0.1	-	-	<0.1	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	0.1	**250**	**3000**	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	0.1	-	-	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Azinphos-methyl (Guthion)	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PCBs																		
Aroclor 1016	mg/kg	0.1	-	-	<0.1	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1221	mg/kg	0.1	-	-	<0.1	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1232	mg/kg	0.1	-	-	<0.1	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1242	mg/kg	0.1	-	-	<0.1	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1248	mg/kg	0.1	-	-	<0.1	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1254	mg/kg	0.1	-	-	<0.1	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1260	mg/kg	0.1	-	-	<0.1	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PCBs	mg/kg		**1**	**7**	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Phenols																		
Total Phenolics	mg/kg	5	**40000**	**240000**	<5	<5	<0.5 to <5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5

NOTES:
< Value = Concentration less than laboratory Practical Quantitation Limit (PQL)
NC - Non Calculable
NA - Not Analysed

Table 5 - Soil Analytical Results - Characterisation Samples - Asbestos

Sample ID					CS_01	CS_07	CS_08	SP01_01	SP02_01	SP03_02	SP04_01	SP05_01	SP_ACM_01	SP_ACM_03	SP_ACM_FRAG
Date Sampled					09/12/2019	09/12/2019	09/12/2019	14/01/2020	14/01/2020	14/01/2020	14/01/2020	14/01/2020	14/01/2020	14/01/2020	14/01/2020
Parameters	**Units**	**PQL**	**NEPM (2013) HIL C**	**NEPM (2013) HIL D**											
Sample mass tested	g	--			620.05	633.21	652.11	794.33	566.97	684.24	622.96	676.81	667.47	596.14	NA
Sample Description	-	--			Grey coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown sandy soil & rocks	Brown sandy soil & rocks	Brown sandy soil & rocks	Brown sandy soil & rocks	Brown sandy soil & rocks	Brown sandy soil & rocks	Brown sandy soil & rocks	Fragment of Bonded Cement Sheet
Asbestos ID in soil	-	--			No asbestos detected at reporting limit of 0.1g/kg; Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg; Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg; Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg; Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg; Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg; Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg; Organic fibres detected:Synthetic Mineral Fibres detected	No asbestos detected at reporting limit of 0.1g/kg; Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg; Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg; Organic fibres detected	Chrysotile asbestos detected: Crocidolite asbestos detected
Trace Analysis	-	--			No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	NA
Total Asbestos g/kg	g/kg	<0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NA
Asbestos ID in soil <0.1 g/kg	-	--			No visable asbestos detected	No visable asbestos detected	No visable asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	NA
ACM >7mm Estimation	g	--			–	–	–	–	–	–	–	–	–	–	NA
FA and AF Estimation	g	--			–	–	–	–	–	–	–	–	–	–	NA
ACM >7mm Estimation %(w/w)	%	<0.01	**0.02**	**0.05**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA
FA and AF Estimation %(w/w)	%	<0.001	**0.001**	**0.001**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA
Total Asb Est w/w	%	<0.001			NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NA

NOTES:
< Value = Concentration less than laboratory Practical Quantitation Limit (PQL)
NC - Non Calculable
NA - Not Analysed

CONSARA contaminated sites

Table 6 - Soil Analytical Results - Imported Materials Samples - BTEX, TPH, PAHs, Metals

Supplier											Benedicts Materials							Metropolitan Demolitions				ANL - Growing medium topsoils						
Sample ID											IM_01	IM_02	IM_03	QC01 (Intra-Lab Dup of IM_03)	QC02 (Inter-Lab Dup of IM_03)	IM_04	BS_01	DGB-01	DGB-02	DGB-03	DGB-04	TS-01	TS-02	QC01 (Intra-Lab Dup of TS-02)	QC02 (Inter-Lab Dup of TS-02)	TS-03	TS-04	TS-05
Description											Recycled Aggregate - bedding sands	Recycled Aggregate - bedding sands	Recycled Aggregate - bedding sands			Recycled Aggregate - bedding sands	Recycled Aggregate - bedding sands imported to Site	DBG20 - Recycled Aggregate	DBG20 - Recycled Aggregate	DBG20 - Recycled Aggregate	DBG20 - Recycled Aggregate	Topsoils comprised of sands and silts	Topsoils comprised of sands and silts			Topsoils comprised of sands and silts	Topsoils comprised of sands and silts	Topsoils comprised of sands and silts
Date Sampled											6/12/2019	6/12/2019	6/12/2019			6/12/2019	14/01/2020	31/01/2020	31/01/2020	31/01/2020	31/01/2020	18/05/2020	18/05/2020			18/05/2020	18/05/2020	18/05/2020
Compounds	**Units**	**PQL**	**NEPM (2013) HSL C/ HSL D (SAND 0- <1m bgs)**	**NEPM (2013) HSL C/ HSL D (SAND 1 to <2m bgs)**	**NEPM (2013) HSL C/ HSL D (SAND 2 to 4m bgs)**	**NEPM (2013) HSL C/ HSL D (SAND 4+ m bgs)**	**NEPM (2013) Soil Saturation SAND (Csat)**	**NEPM (2013) HIL C**	**NEPM (2013) HIL D**																			
BTEX																												
Benzene	mg/kg	1	NL/3	NL/3	NL/3	NL/3	360	-			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	1	NL	NL	NL	NL	560	-			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	1	NL	NL	NL	NL	64	-			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<1
Xylene (m & p)	mg/kg	2	-	-	-	-	-	-	-		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.5	<2	<2	<2
Xylene (o)	mg/kg	1	-	-	-	-	-	-	-		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<1
Xylene Total	mg/kg	-	NL/230	NL	NL	NL	300	-			<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<0.5	<3	<3	<3
Naphthalene	mg/kg	1	NL	NL	NL	NL	3	-	-		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
TPH																												
TRH C6 - C9	mg/kg	10	-	-	-	-	-	-	-		<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<10	<25	<25	<25
TRH C6 - C10	mg/kg	10	-	-	-	-	-	-	-		<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<10	<25	<25	<25
vTPH C6 - C10 less BTEX (F1)	mg/kg	10	NL/260	NL/370	NL/630	NL	950	-	-		<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<10	<25	<25	<25
TRH C10 - C14	mg/kg	50	-	-	-	-	-	-	-		<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
TRH C15 - C28	mg/kg	100	-	-	-	-	-	-	-		<100	<100	<100	<100	<100	110	<100	<100	140	<100	<100	110	110	130	150	360	220	130	180
TRH C29 - C36	mg/kg	100	-	-	-	-	-	-	-		<100	<100	<100	<100	<100	<100	<100	<100	190	160	150	160	320	390	470	590	570	390	520
TRH >C10-C16	mg/kg	50	-	-	-	-	-	-	-		<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
TRH >C10 - C16 less Naphthalene (F2)	mg/kg	50	NL	NL	NL	NL	560	-			<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
TRH >C16-C34	mg/kg	100	-	-	-	-	-	-	-		<100	<100	<100	<100	<100	130	<100	<100	260	180	170	200	320	400	460	710	610	400	530
TRH >C34-C40	mg/kg	100	-	-	-	-	-	-	-		<100	<100	<100	<100	<100	<100	<100	180	170	150	190	180	250	280	530	330	240	300
Total +ve TRH (>C10-C40)	mg/kg	100	-	-	-	-	-	-	-		<50	<50	<50	<50	<50	130	<50	<50	450	350	330	390	500	650	740	1240	950	640	830
PAHs																												
Naphthalene	mg/kg	0.1	NL	NL	NL	NL	9	-	-		<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	-	-	-	-	-	-	-		<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	0
Acenaphthene	mg/kg	0.1	-	-	-	-	-	-	-		<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	-	-	-	-	-	-	-		<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	0
Phenanthrene	mg/kg	0.1	-	-	-	-	-	-	-		0.1	<0.1	0.2	0.2	<0.5	0.1	0.2	0.6	0.5	0.5	0	0	0.1	0.1	<0.5	0	0	1
Anthracene	mg/kg	0.1	-	-	-	-	-	-	-		<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	0.2	0.1	0.2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	0
Fluoranthene	mg/kg	0.1	-	-	-	-	-	-	-		0.2	0.2	0.2	0.2	<0.5	0.2	0.2	0.7	0.7	0.8	1	0	0.2	0.2	<0.5	0	0	1
Pyrene	mg/kg	0.1	-	-	-	-	-	-	-		0.2	0.2	0.2	0.2	<0.5	0.1	0.2	0.8	0.7	0.8	1	0	0.2	0.2	<0.5	0	0	0
Benzo(a)anthracene	mg/kg	0.1	-	-	-	-	-	-	-		<0.1	<0.1	0.1	<0.1	<0.5	<0.1	0.1	0.4	0.4	0.4	0	<0.1	0.1	0.1	<0.5	0	0	0
Chrysene	mg/kg	0.1	-	-	-	-	-	-	-		<0.1	<0.1	0.1	0.1	<0.5	<0.1	<0.1	0.4	0.4	0.4	1	0	0.2	0.1	<0.5	0	0	0
Benzo(b,j+k)fluoranthene	mg/kg	0.2	-	-	-	-	-	-	-		<0.2	<0.2	<0.2	<0.2	<0.5	<0.2	<0.2	0.5	0.5	0.6	1	<0.2	0.3	<0.2	<0.5	0	0	0
Benzo(a)pyrene	mg/kg	0.1	-	-	-	-	-	-	-		0.1	0.1	0.1	0.1	<0.5	0.1	0.1	0.4	0.4	0.4	0	0	0.2	0.1	<0.5	0	0	0
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	-	-	-	-	-	-	-		<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	0.2	0.2	0.2	0	<0.1	0.1	<0.1	<0.5	0	<0.1	<0.1
Dibenz(a,h)anthracene	mg/kg	0.1	-	-	-	-	-	-	-		<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	0.1	-	-	-	-	-	-	-		<0.1	<0.1	0.1	<0.1	<0.5	<0.1	<0.1	0.3	0.2	0.2	0	<0.1	0.1	<0.1	<0.5	0	<0.1	<0.1
PAHs (Sum of Total)	mg/kg	0.5	-	-	-	-	-	300	4000		0.5	0.4	1.1	0.7	<0.5	0.5	0.8	4.4	4.1	4.4	4	1	1.5	1.0	<0.5	2	1	3
Benzo(a)pyrene TEQ calc (zero)	mg/kg	0.5	-	-	-	-	-	3	40		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	0.5	-	-	-	-	-	3	40		<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	0.5	0.6	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	0.5	-	-	-	-	-	3	40		<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	0.6	0.6	0.6	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Metals																												
Arsenic	mg/kg	1	-	-	-	-	-	300	3000		4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	6	6	5	8	6	7	6
Cadmium	mg/kg	0.1	-	-	-	-	-	90	900		<0.4	<0.4	<0.4	<0.4	<1	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<1	<0.4	<0.4	<0.4	0
Chromium	mg/kg	1	-	-	-	-	-	300[1]	3600[1]		11	13	13	11	13	12	13	9	9	10	6	12	15	13	25	14	22	14
Copper	mg/kg	1	-	-	-	-	-	17000	240000		17	20	12	16	13	13	15	17	25	18	19	79	66	50	63	68	57	77
Lead	mg/kg	1	-	-	-	-	-	600	1500		19	24	26	30	26	24	11	22	21	19	11	22	23	22	36	52	24	28
Mercury	mg/kg	0.05	-	-	-	-	-	80	730		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	0
Nickel	mg/kg	1	-	-	-	-	-	1200	6000		6	7	7	7	8	8	8	5	6	5	4	7	8	7	8	9	7	8
Zinc	mg/kg	1	-	-	-	-	-	30000	400000		48	45	49	79	51	42	40	40	60	45	44	100	110	110	135	110	99	130

NOTES:
< Value = Concentration less than laboratory Practical Quantitation Limit (PQL)
NC - Non Calculable
NA - Not Analysed
1. Guideline is for Chromium (VI)

Table 7 - Soil Analytical Results - Imported Materials Samples - OCPs, OPPs, PCBs

Supplier					Benedicts Materials							Metropolitan Demolitions				ANL - Growing medium topsoils						
Sample ID					IM_01	IM_02	IM_03	QC01 (Intra-Lab Dup of IM_03)	QC02 (Inter-Lab Dup of IM_03)	IM_04	BS_01	DGB-01	DGB-02	DGB-03	DGB-04	TS-01	TS-02	QC01 (Intra-Lab Dup of TS-02)	QC02 (Inter-Lab Dup of TS-02)	TS-03	TS-04	TS-05
Date Sampled					6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019	14/01/2020	31/01/2020	31/01/2020	31/01/2020	31/01/2020	18/05/2020	18/05/2020	18/05/2020	18/05/2020	18/05/2020	18/05/2020	18/05/2020
Compounds	**Units**	**PQL**	**NEPM (2013) HIL C**	**NEPM (2013) HIL D**																		
Organochlorine Pesticides																						
DDT	mg/kg	0.1	10	80	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
beta-BHC	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Hexachlor	mg/kg	0.1	10	50	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
delta-BHC	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	0.10	0.10	0.20	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
pp-DDE	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Endrin	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
pp-DDD	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.05	<0.1	<0.2	<0.2
Endosulfan II	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
pp-DDT	mg/kg	0.1	-	-	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
Endrin Aldehyde	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	400	2500	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1
DDT+DDD+DDE	mg/kg		600	3600	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Aldrin + Dieldrin	mg/kg		10	45	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Endosulfan	mg/kg		340	2000	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Organophosphorous Pesticides																						
Dichlorvos	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Dimethoate	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Diazinon	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Ronnel	mg/kg	0.1	-	-	<0.1	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Malathion	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	0.1	250	2000	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Parathion	mg/kg	0.1	-	-	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Ethion	mg/kg	0.1	-	-	<0.2	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Azinphos-methyl (Guthion)	mg/kg	0.1	-	-	<0.1	<0.1	<0.05	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.2
PCBs																						
Aroclor 1016	mg/kg	0.1	-	-	<0.1	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1
Aroclor 1221	mg/kg	0.1	-	-	<0.1	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1
Aroclor 1232	mg/kg	0.1	-	-	<0.1	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1
Aroclor 1242	mg/kg	0.1	-	-	<0.1	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1
Aroclor 1248	mg/kg	0.1	-	-	<0.1	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1
Aroclor 1254	mg/kg	0.1	-	-	<0.1	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1
Aroclor 1260	mg/kg	0.1	-	-	<0.1	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1
PCBs	mg/kg		1	7	NC	NC	<0.1	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	<0.1	NC	NC	NC

NOTES:
< Value = Concentration less than laboratory Practical Quantitation Limit (PQL)
NC - Non Calculable
NA - Not Analysed

Table 8 - Soil Analytical Results - Imported Materials Samples - Asbestos

Supplier					Benedicts Materials - Bedding Sands - Recycled Aggregate					Concrete Recyclers - 20mm recycled aggregate					Metropolitan Demolitions - DBG20 Recycled Aggregate							ANL - Growing Medium Topsoils				
Sample ID					IM_01	IM_02	IM_03	IM_04	BS_01	RA-20-01	RA-20-02	RA-20-03	RA-20-04	RA-20-05	DGB-01	DGB-02	DGB-03	DGB-04	DGB-05	DGB-06	DGB-07	TS-01	TS-02	TS-03	TS-04	TS-05
Date Sampled					6/12/2019	6/12/2019	6/12/2019	6/12/2019	14/01/2020	18/12/2019	18/12/2019	18/12/2019	18/12/2019	18/12/2019	31/01/2020	31/01/2020	31/01/2020	31/01/2020	31/01/2020	31/01/2020	31/01/2020	18/05/2020	18/05/2020	18/05/2020	18/05/2020	18/05/2020
Parameters	**Units**	**PQL**	**NEPM (2013) HIL C**	**NEPM (2013) HIL D**																						
Sample mass tested	g	–			721.18	649.14	715.93	717.12	766.32	1947.10	1802.30	1112.50	1871.00	1123.20	749.36	745.14	648.08	839.68	802.24	794.90	768.83	351.74	278.59	334.95	360.85	383.30
Sample Description	-	–			Brown sandy soil & rocks & debris	Brown sandy soil & rocks & debris	Brown sandy soil & rocks & debris	Brown sandy soil & rocks & debris	Brown sandy soil & rocks	Assorted aggregate	Assorted aggregate	Assorted aggregate	Assorted aggregate	Assorted aggregate	Beige coarse-grained soil & rocks	Beige coarse-grained soil & rocks	Beige coarse-grained soil & rocks	Beige coarse-grained soil & rocks	Beige coarse-grained soil & rocks	Beige coarse-grained soil & rocks	Beige coarse-grained soil & rocks	Brown fine-grained soil & debris	Brown fine-grained soil & debris	Brown fine-grained soil & debris	Brown fine-grained soil & debris	Brown fine-grained soil & debris
Asbestos ID in soil	-	–			No asbestos detected at reporting limit of 0.1g/kg: Organic fibres detected: Synthetic mineral fibres detected	No asbestos detected at reporting limit of 0.1g/kg: Organic fibres detected: Synthetic mineral fibres detected	No asbestos detected at reporting limit of 0.1g/kg: Organic fibres detected: Synthetic mineral fibres detected	No asbestos detected at reporting limit of 0.1g/kg: Organic fibres detected: Synthetic mineral fibres detected	No asbestos detected at reporting limit of 0.1g/kg: Organic fibres detected:Synthetic Mineral Fibres detected	No asbestos detected at reporting limit of 0.1g/kg	No asbestos detected at reporting limit of 0.1g/kg	No asbestos detected at reporting limit of 0.1g/kg	No asbestos detected at reporting limit of 0.1g/kg	No asbestos detected at reporting limit of 0.1g/kg	No asbestos detected at reporting limit of 0.1g/kg: Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg: Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg: Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg: Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg: Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg: Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg: Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg: Organic fibres detected:Synthetic Mineral Fibres detected	No asbestos detected at reporting limit of 0.1g/kg: Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg: Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg: Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg: Organic fibres detected
Trace Analysis	–	–			No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected
Total Asbestos g/kg	g/kg	<0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Asbestos ID in soil <0.1 g/kg	-	–			No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected
ACM >7mm Estimation	g	–			–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
FA and AF Estimation	g	–			–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ACM >7mm Estimation %(w/w)	%	<0.01	**0.02**	**0.05**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
FA and AF Estimation %(w/w)	%	<0.001	**0.001**	**0.001**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Ash Est w/w	%	<0.001			NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

NOTES:
< Value = Concentration less than laboratory Practical Quantitation Limit (PQL)
NC - Non Calculable
NA - Not Analysed

CONSARA
contaminated sites

Table 1 - Soil Analytical Results - Waste Classification Stockpiled Materials

Sample ID											CS_02		CS_03		CS_04		CS_05	CS_06	
Date Sampled					General Solid Waste (NSW EPA, 2014)			Restricted Solid Waste			09/12/2019		09/12/2019		09/12/2019		09/12/2019	09/12/2019	
Compounds	Unit for Totals	EQL	Unit for TCLP	EQL	Contaminant Threshold Without Leaching (TCLP) CT1 (mg/kg)	Leachable Concentration TCLP1 (mg/L)	Specific Contaminant Concentration SCC1 (mg/kg)	Contaminant Threshold Without Leaching (TCLP) CT2 (mg/kg)	Leachable Concentration TCLP2 (mg/L)	Specific Contaminant Concentration SCC2 (mg/kg)	Totals (mg/kg)	TCLP (mg/L)	Totals (mg/kg)	TCLP (mg/L)	Totals (mg/kg)	TCLP (mg/L)	Totals (mg/kg)	Totals (mg/kg)	TCLP (mg/L)
TRHs																			
C6 - C9 Fraction	mg/kg	25			N/A	N/A	650	N/A	N/A	2,600	<25	NA	<25	NA	<25	NA	NA	<25	NA
C10 - C14 Fraction	mg/kg	50			-	-	-	-	-	-	<50	NA	<50	NA	<50	NA	NA	<50	NA
C15 - C28 Fraction	mg/kg	100			-	-	-	-	-	-	<100	NA	<100	NA	<100	NA	NA	<100	NA
C29 - C36 Fraction	mg/kg	100			-	-	-	-	-	-	<100	NA	<100	NA	<100	NA	NA	<100	NA
C10 - C36 Fraction (sum)	mg/kg	--			N/A	N/A	10,000	N/A	N/A	40,000	NC	NA	NC	NA	NC	NA	NA	NC	NA
C6 - C10 Fraction	mg/kg	25			-	-	-	-	-	-	<25	NA	<25	NA	<25	NA	NA	<25	NA
C6 - C10 Fraction minus BTEX (F1)	mg/kg	25			-	-	-	-	-	-	<25	NA	<25	NA	<25	NA	NA	<25	NA
>C10 - C16 Fraction	mg/kg	50			-	-	-	-	-	-	<50	NA	<50	NA	<50	NA	NA	<50	NA
>C16 - C34 Fraction	mg/kg	100			-	-	-	-	-	-	<100	NA	<100	NA	<100	NA	NA	<100	NA
>C34 - C40 Fraction	mg/kg	100			-	-	-	-	-	-	<100	NA	<100	NA	<100	NA	NA	<100	NA
>C10 - C40 Fraction (sum)	mg/kg	50			-	-	-	-	-	-	<50	NA	<50	NA	<50	NA	NA	<50	NA
>C10 - C16 Fraction minus Naphthalene (F2)	mg/kg	50			-	-	-	-	-	-	<50	NA	<50	NA	<50	NA	NA	<50	NA
BTEX																			
Benzene	mg/kg	0.2			10	0.5	18	40	2	72	<0.5	NA	<0.5	NA	<0.5	NA	NA	<0.5	NA
Ethylbenzene	mg/kg	1			600	30	1,080	2400	120	4,320	<1	NA	<1	NA	<1	NA	NA	<1	NA
Toluene	mg/kg	0.5			288	-	-	1,152	-	-	<0.5	NA	<0.5	NA	<0.5	NA	NA	<0.5	NA
Xylene (m & p)	mg/kg	2			-	-	-	-	-	-	<2	NA	<2	NA	<2	NA	NA	<2	NA
Xylene (o)	mg/kg	1			-	-	-	-	-	-	<1	NA	<1	NA	<1	NA	NA	<1	NA
Xylene Total	mg/kg	3			1,000	50	1800	4,000	200	7200	<3	NA	<3	NA	<3	NA	NA	<3	NA
PAHs																			
Naphthalene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	<0.1	<0.001	<0.1	<0.001	<0.1	<0.001	NA	<0.1	<0.001
Acenaphthylene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	<0.1	<0.001	<0.1	<0.001	<0.1	<0.001	NA	<0.1	<0.001
Acenaphthene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	<0.1	<0.001	<0.1	<0.001	<0.1	<0.001	NA	<0.1	<0.001
Fluorene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	<0.1	<0.001	<0.1	<0.001	<0.1	<0.001	NA	<0.1	<0.001
Phenanthrene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	0.2	<0.001	0.5	<0.001	0.3	<0.001	NA	0.5	<0.001
Anthracene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	0.1	<0.001	0.1	<0.001	<0.1	<0.001	NA	0.2	<0.001
Fluoranthene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	1	<0.001	1.3	<0.001	0.9	<0.001	NA	2.1	<0.001
Pyrene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	1	<0.001	1.2	<0.001	0.8	<0.001	NA	2	<0.001
Benzo(a)anthracene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	0.5	<0.001	0.6	<0.001	0.4	<0.001	NA	0.9	<0.001
Chrysene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	0.5	<0.001	0.5	<0.001	0.4	<0.001	NA	0.8	<0.001
Benzo(b,j+k)fluoranthene	mg/kg	0.2	mg/L	0.002	-	-	-	-	-	-	2	<0.002	1	<0.002	1	<0.002	NA	2	<0.002
Benzo(a)pyrene	mg/kg	0.05	mg/L	0.001	0.8	0.04	10	3	0.16	23	0.95	<0.001	0.69	<0.001	0.57	<0.001	NA	1.1	<0.001
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	0.7	<0.001	0.4	<0.001	0.4	<0.001	NA	0.6	<0.001
Dibenz(a,h)anthracene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	0.2	<0.001	0.1	<0.001	0.1	<0.001	NA	0.2	<0.001
Benzo(g,h,i)perylene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	1.1	<0.001	0.6	<0.001	0.5	<0.001	NA	0.9	<0.001
Total +vePAH's	mg/kg	0.05	mg/L		N/A	N/A	200	-	-	800	7.9	NIL (+)VE	7.2	NIL (+)VE	5.4	NIL (+)VE	NA	11	NIL (+)VE
Benzo(a)pyrene TEQ calc (zero)	mg/kg	0.5			-	-	-	-	-	-	1.4	NA	1	NA	0.9	NA	NA	1.6	NA
Benzo(a)pyrene TEQ calc(half)	mg/kg	0.5			-	-	-	-	-	-	1.4	NA	1	NA	0.9	NA	NA	1.6	NA
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	0.5			-	-	-	-	-	-	1.4	NA	1	NA	0.9	NA	NA	1.6	NA
OCPs																			
alpha-BHC	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
HCB	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
beta-BHC	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
gamma-BHC	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Heptachlor	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
delta-BHC	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Aldrin	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Heptachlor Epoxide	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
gamma-Chlordane	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
alpha-chlordane	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Endosulfan I	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
pp-DDE	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Dieldrin	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Endrin	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Endosulfan II	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
pp-DDD	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Endrin Aldehyde	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
pp-DDT	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Endosulfan Sulphate	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Methoxychlor	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Total +ve DDT+DDD+DDE	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
OPPs																			
Dichlorvos	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Dimethoate	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Diazinon	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Chlorpyriphos-methyl	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Ronnel	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Fenitrothion	mg/kg	0.1									<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Malathion	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Chlorpyriphos	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Parathion	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Bromophos-ethyl	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Ethion	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Azinphos-methyl (Guthion)	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Phenols																			
Total Phenolics	mg/kg	5			288	14.4	518	-	-	-	<5	NA	<5	NA	<5	NA	NA	<5	NA
Polychlorinated Biphenyls																			
Aroclor 1016	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Aroclor 1221	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Aroclor 1232	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Aroclor 1242	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Aroclor 1248	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Aroclor 1254	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Aroclor 1260	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Total +ve PCBs (1016-1260)	mg/kg	0.1			<50	-	<50	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA	NA	<0.1	NA
Metals																			
Arsenic	mg/kg	5	mg/L	0.05	100	5	500	400	20	2,000	<4	<0.05	25	<0.05	6	<0.05	NA	<4	<0.05
Cadmium	mg/kg	1	mg/L	0.01	20	1	100	80	4	400	<0.4	<0.01	<0.4	<0.01	<0.4	<0.01	NA	<0.4	<0.01
Chromium	mg/kg	2	mg/L	0.01	-	-	-	-	-	-	6	<0.01	8	<0.01	8	<0.01	NA	7	<0.01
Copper	mg/kg	5			-	-	-	-	-	-	16	NA	41	NA	59	NA	NA	29	NA
Lead	mg/kg	5	mg/L	0.03	100	5	1,500	400	20	6,000	38	0.04	58	0.04	110	0.07	NA	40	0.2
Mercury	mg/kg	0.1	mg/L	0.0005	4	0.2	50	16	0.8	200	<0.1	<0.0005	<0.1	<0.0005	0.2	<0.0005	NA	<0.1	<0.0005
Nickel	mg/kg	2	mg/L	0.02	40	2	1,050	160	8	4,200	5	<0.02	7	<0.02	10	<0.02	NA	6	0.02
Zinc	mg/kg	5			-	-	-	-	-	-	48	NA	100	NA	95	NA	NA	72	NA
Asbestos																			
Sample mass tested	g	--			-	-	-				552.52	NA	797.18	NA	667.88	NA	720.18	639.15	NA
Sample Description	-	--			-	-	-				Brown coarse-grained soil & rocks	NA	Brown coarse-grained soil & rocks	NA	Brown coarse-grained soil & rocks	NA	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	NA
Asbestos ID in soil	-	--			-	-	-				No asbestos detected at reporting limit of 0.1g/kg: Organic fibres detected	NA	No asbestos detected at reporting limit of 0.1g/kg: Organic fibres detected	NA	No asbestos detected at reporting limit of 0.1g/kg: Organic fibres detected	NA	No asbestos detected at reporting limit of 0.1g/kg: Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg: Organic fibres detected	NA
Trace Analysis	-	--			-	-	-				No asbestos detected	NA	No asbestos detected	NA	No asbestos detected	NA	No asbestos detected	No asbestos detected	NA
Total Asbestos g/kg	g/kg	<0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA	<0.1	<0.1	NA
Asbestos ID in soil <0.1 g/kg	-	--			-	-	-				No visible asbestos detected	NA	No visible asbestos detected	NA	No visible asbestos detected	NA	No visible asbestos detected	No visible asbestos detected	NA
ACM >7mm Estimation	g	--			-	-	-				--	NA	--	NA	--	NA	--	--	NA
FA and AF Estimation	g	--			-	-	-				--	NA	--	NA	--	NA	--	--	NA
ACM >7mm Estimation %(w/w)	%	<0.01			-	-	-				<0.01	NA	<0.01	NA	<0.01	NA	<0.01	<0.01	NA
FA and AF Estimation %(w/w)	%	<0.001			-	-	-				<0.001	NA	<0.001	NA	<0.001	NA	<0.001	<0.001	NA
Total Asb Est w/w	%	<0.001			-	-	-				NC	NA	NC	NA	NC	NA	NC	NC	NA

NOTES
All concentrations are in mg/kg
"-" indicates that the criteria is not applicable for these analytes
< Value = Concentration less than laboratory EQL

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Table 1 - Soil Analytical Results - Waste Classification Stockpiled Materials

Sample ID												SP01-01		SP01-02		SP01-03	
Date Sampled												28/02/2020		28/02/2020		28/02/2020	
					General Solid Waste (NSW EPA, 2014)			Restricted Solid Waste									
Compounds	Unit for Totals	EQL	Unit for TCLP	EQL	Contaminant Threshold Without Leaching (TCLP) CT1 (mg/kg)	Leachable Concentration TCLP1 (mg/L)	Specific Contaminant Concentration SCC1 (mg/kg)	Contaminant Threshold Without Leaching (TCLP) CT2 (mg/kg)	Leachable Concentration TCLP2 (mg/L)	Specific Contaminant Concentration SCC2 (mg/kg)		Totals (mg/kg)	TCLP (mg/L)	Totals (mg/kg)	TCLP (mg/L)	Totals (mg/kg)	TCLP (mg/L)
TRHs																	
C6 - C9 Fraction	mg/kg	25			N/A	N/A	650	N/A	N/A	2,600		<25	NA	<25	NA	<25	NA
C10 - C14 Fraction	mg/kg	50			-	-		-	-	-		<50	NA	<50	NA	<50	NA
C15 - C28 Fraction	mg/kg	100			-	-	-	-	-	-		<100	NA	<100	NA	<100	NA
C29 - C36 Fraction	mg/kg	100			-	-	-					<100	NA	<100	NA	<100	NA
C10 - C36 Fraction (sum)	mg/kg	-			N/A	N/A	10,000	N/A	N/A	40,000		NC	NA	NC	NA	NC	NA
C6 - C10 Fraction	mg/kg	25			-	-	-	-	-	-		<25	NA	<25	NA	<25	NA
C6 - C10 Fraction minus BTEX (F1)	mg/kg	25			-	-	-	-	-	-		<25	NA	<25	NA	<25	NA
>C10 - C16 Fraction	mg/kg	50			-	-	-	-	-	-		<50	NA	<50	NA	<50	NA
>C16 - C34 Fraction	mg/kg	100			-	-	-	-	-	-		<100	NA	110	NA	<100	NA
>C34 - C40 Fraction	mg/kg	100			-	-	-	-	-	-		110	NA	130	NA	<100	NA
>C10 - C40 Fraction (sum)	mg/kg	50			-	-	-	-	-	-		110	NA	240	NA	<50	NA
>C10 - C16 Fraction minus Naphthalene (F2)	mg/kg	50			-	-	-	-	-	-		<50	NA	<50	NA	<50	NA
BTEX																	
Benzene	mg/kg	0.2			10	0.5	18	40	2	72		<0.5	NA	<0.5	NA	<0.5	NA
Ethylbenzene	mg/kg	1			600	30	1,080	2400	120	4,320		<1	NA	<1	NA	<1	NA
Toluene	mg/kg	0.5			288	-	-	1,152	-	-		<0.5	NA	<0.5	NA	<0.5	NA
Xylene (m & p)	mg/kg	2			-	-	-	-	-	-		<2	NA	<2	NA	<2	NA
Xylene (o)	mg/kg	1			-	-	-	-	-	-		<1	NA	<1	NA	<1	NA
Xylene Total	mg/kg	3			1,000	50	1800	4,000	200	7200		<3	NA	<3	NA	<3	NA
PAHs																	
Naphthalene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-		<0.1	<0.001	<0.1	<0.001	<0.1	<0.001
Acenaphthylene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-		<0.1	<0.001	<0.1	<0.001	<0.1	<0.001
Acenaphthene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-		<0.1	<0.001	<0.1	<0.001	<0.1	<0.001
Fluorene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-		<0.1	<0.001	<0.1	<0.001	<0.1	<0.001
Phenanthrene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-		0.3	<0.001	0.5	<0.001	0.4	0.002
Anthracene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-		<0.1	<0.001	0.1	<0.001	0.1	<0.001
Fluoranthene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-		0.6	<0.001	1.2	<0.001	0.9	<0.001
Pyrene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-		0.6	<0.001	1.1	<0.001	0.8	<0.001
Benzo(a)anthracene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-		0.3	<0.001	0.6	<0.001	0.5	<0.001
Chrysene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-		0.3	<0.001	0.5	<0.001	0.4	<0.001
Benzo(b,j+k)fluoranthene	mg/kg	0.2	mg/L	0.002	-	-	-	-	-	-		0.6	<0.002	0.9	<0.002	0.8	<0.002
Benzo(a)pyrene	mg/kg	0.05	mg/L	0.001	0.8	0.04	10	3	0.16	23		0.3	<0.001	0.54	<0.001	0.4	<0.001
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-		0.1	<0.001	0.2	<0.001	0.2	<0.001
Dibenzo(a,h)anthracene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-		<0.1	<0.001	<0.1	<0.001	<0.1	<0.001
Benzo(g,h,i)perylene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-		0.1	<0.001	0.2	<0.001	0.2	<0.001
Total +ve PAH's	mg/kg	0.05	mg/L		N/A	N/A	200	-	-	800		3.3	NIL (+)VE	5.9	NIL (+)VE	4.9	NIL (+)VE
Benzo(a)pyrene TEQ calc (zero)	mg/kg	0.5			-	-	-	-	-	-		<0.5	NA	0.7	NA	0.6	NA
Benzo(a)pyrene TEQ calc(half)	mg/kg	0.5			-	-	-	-	-	-		<0.5	NA	0.8	NA	0.6	NA
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	0.5			-	-	-	-	-	-		0.5	NA	0.8	NA	0.7	NA
OCPs																	
alpha-BHC	mg/kg	0.1			-	-	-	-	-	-		<0.1	NA	<0.1	NA	<0.1	NA
HCB	mg/kg	0.1			-	-	-					<0.1	NA	<0.1	NA	<0.1	NA
beta-BHC	mg/kg	0.1			-	-	-					<0.1	NA	<0.1	NA	<0.1	NA
gamma-BHC	mg/kg	0.1			-	-	-					<0.1	NA	<0.1	NA	<0.1	NA
Heptachlor	mg/kg	0.1			-	-	-					<0.1	NA	<0.1	NA	<0.1	NA
delta-BHC	mg/kg	0.1			-	-	-					<0.1	NA	<0.1	NA	<0.1	NA
Aldrin	mg/kg	0.1			-	-	-					<0.1	NA	<0.1	NA	<0.1	NA
Heptachlor Epoxide	mg/kg	0.1			-	-	-					<0.1	NA	<0.1	NA	<0.1	NA
gamma-Chlordane	mg/kg	0.1			-	-	-					<0.1	NA	<0.1	NA	<0.1	NA
alpha-chlordane	mg/kg	0.1			-	-	-					<0.1	NA	<0.1	NA	<0.1	NA
Endosulfan I	mg/kg	0.1			-	-	-					<0.1	NA	<0.1	NA	<0.1	NA
pp-DDE	mg/kg	0.1			-	-	-					<0.1	NA	<0.1	NA	<0.1	NA
Dieldrin	mg/kg	0.1			-	-	-					<0.1	NA	<0.1	NA	<0.1	NA
Endrin	mg/kg	0.1			-	-	-	-	-	-		<0.1	NA	<0.1	NA	<0.1	NA
Endosulfan II	mg/kg	0.1			-	-	-	-	-	-		<0.1	NA	<0.1	NA	<0.1	NA
pp-DDD	mg/kg	0.1			-	-	-	-	-	-		<0.1	NA	<0.1	NA	<0.1	NA
Endrin Aldehyde	mg/kg	0.1			-	-	-	-	-	-		<0.1	NA	<0.1	NA	<0.1	NA
pp-DDT	mg/kg	0.1			-	-	-	-	-	-		<0.1	NA	<0.1	NA	<0.1	NA
Endosulfan Sulphate	mg/kg	0.1			-	-	-	-	-	-		<0.1	NA	<0.1	NA	<0.1	NA
Methoxychlor	mg/kg	0.1			-	-	-	-	-	-		<0.1	NA	<0.1	NA	<0.1	NA
Total +ve DDT+DDD+DDE	mg/kg	0.1			-	-	-	-	-	-		<0.1	NA	<0.1	NA	<0.1	NA
OPPs																	
Dichlorvos	mg/kg	0.1			-	-	-	-	-	-		<0.1	NA	<0.1	NA	<0.1	NA
Dimethoate	mg/kg	0.1			-	-	-	-	-	-		<0.1	NA	<0.1	NA	<0.1	NA
Diazinon	mg/kg	0.1			-	-	-	-	-	-		<0.1	NA	<0.1	NA	<0.1	NA
Chlorpyriphos-methyl	mg/kg	0.1			-	-	-	-	-	-		<0.1	NA	<0.1	NA	<0.1	NA
Ronnel	mg/kg	0.1			-	-	-	-	-	-		<0.1	NA	<0.1	NA	<0.1	NA
Fenitrothion	mg/kg	0.1										<0.1	NA	<0.1	NA	<0.1	NA
Malathion	mg/kg	0.1			-	-	-	-	-	-		<0.1	NA	<0.1	NA	<0.1	NA
Chlorpyriphos	mg/kg	0.1			-	-	-	-	-	-		<0.1	NA	<0.1	NA	<0.1	NA
Parathion	mg/kg	0.1			-	-	-	-	-	-		<0.1	NA	<0.1	NA	<0.1	NA
Bromophos-ethyl	mg/kg	0.1			-	-	-	-	-	-		<0.1	NA	<0.1	NA	<0.1	NA
Ethion	mg/kg	0.1			-	-	-	-	-	-		<0.1	NA	<0.1	NA	<0.1	NA
Azinphos-methyl (Guthion)	mg/kg	0.1			-	-	-	-	-	-		<0.1	NA	<0.1	NA	<0.1	NA
Polychlorinated Biphenyls																	
Aroclor 1016	mg/kg	0.1			-	-	-	-	-	-		<0.1	NA	<0.1	NA	<0.1	NA
Aroclor 1221	mg/kg	0.1			-	-	-	-	-	-		<0.1	NA	<0.1	NA	<0.1	NA
Aroclor 1232	mg/kg	0.1			-	-	-					<0.1	NA	<0.1	NA	<0.1	NA
Aroclor 1242	mg/kg	0.1			-	-	-					<0.1	NA	<0.1	NA	<0.1	NA
Aroclor 1248	mg/kg	0.1			-	-	-	-	-	-		<0.1	NA	<0.1	NA	<0.1	NA
Aroclor 1254	mg/kg	0.1			-	-	-	-	-	-		<0.1	NA	<0.1	NA	<0.1	NA
Aroclor 1260	mg/kg	0.1			-	-	-	-	-	-		<0.1	NA	<0.1	NA	<0.1	NA
Total +ve PCBs (1016-1260)	mg/kg	0.1			<50	-	<50	-	-	-		<0.1	NA	<0.1	NA	<0.1	NA
Metals																	
Arsenic	mg/kg	5	mg/L	0.05	100	5	500	400	20	2,000		<4	<0.05	<4	<0.05	<4	<0.05
Cadmium	mg/kg	1	mg/L	0.01	20	1	100	80	4	400		<0.4	<0.01	<0.4	<0.01	<0.4	<0.01
Chromium	mg/kg	2	mg/L	0.01	-	-	-	-	-	-		8	<0.01	10	<0.01	10	<0.01
Copper	mg/kg	5			-	-	-	-	-	-		19	NA	25	NA	25	NA
Lead	mg/kg	5	mg/L	0.03	100	5	1,500	400	20	6,000		50	<0.03	59	<0.03	66	<0.03
Mercury	mg/kg	0.1	mg/L	0.0005	4	0.2	50	16	0.8	200		<0.1	<0.0005	0.2	<0.0005	<0.1	<0.0005
Nickel	mg/kg	2	mg/L	0.02	40	2	1,050	160	8	4,200		7	<0.02	9	<0.02	10	<0.02
Zinc	mg/kg	5			-	-	-	-	-	-		72	NA	100	NA	120	NA
Asbestos																	
Sample mass tested	g	--			-	-	-					859.25	NA	794.64	NA	769.46	NA
Sample Description	-	--			-	-	-					Brown coarse-grained soil & rocks	NA	Brown coarse-grained soil & rocks	NA	Brown coarse-grained soil & rocks	NA
Asbestos ID in soil	-	--			-	-	-					No asbestos detected at reporting limit of 0.1g/kg; Organic fibres detected	NA	No asbestos detected at reporting limit of 0.1g/kg; Organic fibres detected	NA	No asbestos detected at reporting limit of 0.1g/kg; Organic fibres detected	NA
Trace Analysis	-	--			-	-	-					No asbestos detected	NA	No asbestos detected	NA	No asbestos detected	NA
Total Asbestos g/kg	g/kg	<0.1			-	-	-					<0.1	NA	<0.1	NA	<0.1	NA
Asbestos ID in soil <0.1 g/kg	-	--			-	-	-					No visible asbestos detected	NA	No visible asbestos detected	NA	No visible asbestos detected	NA
ACM >7mm Estimation	g	--			-	-	-					--	NA	--	NA	--	NA
FA and AF Estimation	g	--			-	-	-					--	NA	--	NA	--	NA
ACM >7mm Estimation %(w/w)	%	<0.01			-	-	-					<0.01	NA	<0.01	NA	<0.01	NA
FA and AF Estimation %(w/w)	%	<0.001			-	-	-					<0.001	NA	<0.001	NA	<0.001	NA
Total Asb Est w/w	%	<0.001			-	-	-					NC	NA	NC	NA	NC	NA

NOTES
All concentrations are in mg/kg
"-" indicates that the criteria is not applicable for these analytes
< Value = Concentration less than laboratory EQL

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Table 1 - Soil Analytical Results - Waste Classification Stockpiled Materials

Sample ID											SP01-01		SP01-02		SP01-03	
Date Sampled											18/03/2020		18/03/2020		18/03/2020	
					General Solid Waste (NSW EPA, 2014)			Restricted Solid Waste								
Compounds	Unit for Totals	EQL	Unit for TCLP	EQL	Contaminant Threshold Without Leaching (TCLP) CT1 (mg/kg)	Leachable Concentration TCLP1 (mg/L)	Specific Contaminant Concentration SCC1 (mg/kg)	Contaminant Threshold Without Leaching (TCLP) CT2 (mg/kg)	Leachable Concentration TCLP2 (mg/L)	Specific Contaminant Concentration SCC2 (mg/kg)	Totals (mg/kg)	TCLP (mg/L)	Totals (mg/kg)	TCLP (mg/L)	Totals (mg/kg)	TCLP (mg/L)
TRHs																
C6 - C9 Fraction	mg/kg	25			N/A	N/A	650	N/A	N/A	2,600	<25	NA	<25	NA	<25	NA
C10 - C14 Fraction	mg/kg	50			-	-		-	-	-	<50	NA	<50	NA	<50	NA
C15 - C28 Fraction	mg/kg	100			-	-	-	-	-	-	110	NA	410	NA	130	NA
C29 - C36 Fraction	mg/kg	100			-	-	-	-	-	-	180	NA	210	NA	250	NA
C10 - C36 Fraction (sum)	mg/kg	-			N/A	N/A	10,000	N/A	N/A	40,000	NC	NA	NC	NA	NC	NA
C6 - C10 Fraction	mg/kg	25			-	-	-	-	-	-	<25	NA	<25	NA	<25	NA
C6 - C10 Fraction minus BTEX (F1)	mg/kg	25			-	-	-	-	-	-	<25	NA	<25	NA	<25	NA
>C10 - C16 Fraction	mg/kg	50			-	-	-	-	-	-	<50	NA	<50	NA	<50	NA
>C16 - C34 Fraction	mg/kg	100			-	-	-	-	-	-	240	NA	410	NA	300	NA
>C34 - C40 Fraction	mg/kg	100			-	-	-	-	-	-	150	NA	210	NA	230	NA
>C10 - C40 Fraction (sum)	mg/kg	50			-	-	-	-	-	-	400	NA	610	NA	530	NA
>C10 - C16 Fraction minus Naphthalene (F2)	mg/kg	50			-	-	-	-	-	-	<50	NA	<50	NA	<50	NA
BTEX																
Benzene	mg/kg	0.2			10	0.5	18	40	2	72	<0.5	NA	<0.5	NA	<0.5	NA
Ethylbenzene	mg/kg	1			600	30	1,080	2400	120	4,320	<1	NA	<1	NA	<1	NA
Toluene	mg/kg	0.5			288	-	-	1,152	-	-	<0.5	NA	<0.5	NA	<0.5	NA
Xylene (m & p)	mg/kg	2			-	-	-	-	-	-	<2	NA	<2	NA	<2	NA
Xylene (o)	mg/kg	1			-	-	-	-	-	-	<1	NA	<1	NA	<1	NA
Xylene Total	mg/kg	3			1,000	50	1800	4,000	200	7200	<3	NA	<3	NA	<3	NA
PAHs																
Naphthalene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	<0.1	<0.001	<0.1	<0.001	<0.1	<0.001
Acenaphthylene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	0.3	<0.001	<0.1	<0.001	<0.1	<0.001
Acenaphthene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	<0.1	<0.001	<0.1	<0.001	<0.1	<0.001
Fluorene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	<0.1	<0.001	<0.1	<0.001	<0.1	<0.001
Phenanthrene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	0.3	<0.001	0.3	<0.001	0.2	<0.001
Anthracene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	0.1	<0.001	<0.1	<0.001	<0.1	<0.001
Fluoranthene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	1.1	<0.001	1	<0.001	1.1	<0.001
Pyrene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	1.1	<0.001	0.9	<0.001	1	<0.001
Benzo(a)anthracene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	0.6	<0.001	0.5	<0.001	0.5	<0.001
Chrysene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	0.6	<0.001	0.5	<0.001	0.5	<0.001
Benzo(b,j+k)fluoranthene	mg/kg	0.2	mg/L	0.002	-	-	-	-	-	-	2.6	<0.002	2	<0.002	2.2	<0.002
Benzo(a)pyrene	mg/kg	0.05	mg/L	0.001	0.8	0.04	10	3	0.16	23	0.97	<0.001	0.6	<0.001	0.68	<0.001
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	0.9	<0.001	0.4	<0.001	0.5	<0.001
Dibenzo(a,h)anthracene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	0.1	<0.001	<0.1	<0.001	<0.1	<0.001
Benzo(g,h,i)perylene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	0.9	<0.001	0.4	<0.001	0.5	<0.001
Total +vePAH's	mg/kg	0.05	mg/L		N/A	N/A	200	-	-	800	9.7	NIL (+)VE	6.4	NIL (+)VE	7.3	NIL (+)VE
Benzo(a)pyrene TEQ calc (zero)	mg/kg	0.5			-	-	-	-	-	-	1.5	NA	0.9	NA	1	NA
Benzo(a)pyrene TEQ calc(half)	mg/kg	0.5			-	-	-	-	-	-	1.5	NA	0.9	NA	1.1	NA
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	0.5			-	-	-	-	-	-	1.5	NA	1	NA	1.1	NA
OCPs																
alpha-BHC	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
HCB	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
beta-BHC	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
gamma-BHC	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
Heptachlor	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
delta-BHC	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
Aldrin	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
Heptachlor Epoxide	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
ganmma-Chlordane	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
alpha-chlordane	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
Endosulfan I	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
pp-DDE	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
Dieldrin	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
Endrin	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Endosulfan II	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
pp-DDD	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Endrin Aldehyde	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
pp-DDT	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Endosulfan Sulphate	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Methoxychlor	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Total +ve DDT+DDD+DDE	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
OPPs																
Dichlorvos	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Dimethoate	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Diazinon	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Chlorpyriphos-methyl	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Ronnel	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Fenitrothion	mg/kg	0.1									<0.1	NA	<0.1	NA	<0.1	NA
Malathion	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Chlorpyriphos	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Parathion	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Bromophos-ethyl	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Ethion	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Azinphos-methyl (Guthion)	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Polychlorinated Biphenyls																
Aroclor 1016	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Aroclor 1221	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Aroclor 1232	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
Aroclor 1242	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
Aroclor 1248	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Aroclor 1254	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Aroclor 1260	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Total +ve PCBs (1016-1260)	mg/kg	0.1			<50	-	<50	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Metals																
Arsenic	mg/kg	5	mg/L	0.05	100	5	500	400	20	2,000	5	<0.05	7	<0.05	5	<0.05
Cadmium	mg/kg	1	mg/L	0.01	20	1	100	80	4	400	<0.4	<0.01	<0.4	<0.01	<0.4	<0.01
Chromium	mg/kg	2	mg/L	0.01	-	-	-	-	-	-	7	<0.01	10	<0.01	8	<0.01
Copper	mg/kg	5			-	-	-	-	-		38	NA	57	NA	37	NA
Lead	mg/kg	5	mg/L	0.03	100	5	1,500	400	20	6,000	87	<0.03	410	<0.03	140	0.04
Mercury	mg/kg	0.1	mg/L	0.0005	4	0.2	50	16	0.8	200	0.1	<0.0005	0.2	<0.0005	0.2	<0.0005
Nickel	mg/kg	2	mg/L	0.02	40	2	1,050	160	8	4,200	8	<0.02	11	<0.02	8	<0.02
Zinc	mg/kg	5			-	-	-	-	-	-	91	NA	120	NA	99	NA
Asbestos																
Sample mass tested	g	--			-	-	-				629.76	NA	623.33	NA	540.63	NA
Sample Description	-	--			-	-	-				Brown fine-grained soil & rocks	NA	Brown fine-grained soil & rocks	NA	Brown fine-grained soil & rocks	NA
Asbestos ID in soil	-	--			-	-	-				No asbestos detected at reporting limit of 0.1g/kg: Organic fibres detected: Synthetic mineral fibres detected	NA	No asbestos detected at reporting limit of 0.1g/kg: Organic fibres detected	NA	No asbestos detected at reporting limit of 0.1g/kg: Organic fibres detected: Synthetic mineral fibres detected	NA
Trace Analysis	-	--			-	-	-				No asbestos detected	NA	No asbestos detected	NA	No asbestos detected	NA
Total Asbestos g/kg	g/kg	<0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
Asbestos ID in soil <0.1 g/kg	-	--			-	-	-				No visible asbestos detected	NA	No visible asbestos detected	NA	No visible asbestos detected	NA
ACM >7mm Estimation	g	--			-	-	-				–	NA	–	NA	–	NA
FA and AF Estimation	g	--			-	-	-				–	NA	–	NA	–	NA
ACM >7mm Estimation %(w/w)	%	<0.01			-	-	-				<0.01	NA	<0.01	NA	<0.01	NA
FA and AF Estimation %(w/w)	%	<0.001			-	-	-				<0.001	NA	<0.001	NA	<0.001	NA
Total Asb Est w/w	%	<0.001			-	-	-				NC	NA	NC	NA	NC	NA

NOTES:
All concentrations are in mg/kg
"-" indicates that the criteria is not applicable for these analytes
< Value = Concentration less than laboratory EQL

CONSARA
contaminated sites

Table 1 - Soil Analytical Results - Waste Classification Stockpiled Materials

Sample ID											SP01-01		SP02-01		SP02-02	
Date Sampled											14/04/2020		14/04/2020		14/04/2020	
Compounds	Unit for Totals	EQL	Unit for TCLP	EQL	General Solid Waste (NSW EPA, 2014) Contaminant Threshold Without Leaching (TCLP) CT1 (mg/kg)	General Solid Waste (NSW EPA, 2014) Leachable Concentration TCLP1 (mg/L)	General Solid Waste (NSW EPA, 2014) Specific Contaminant Concentration SCC1 (mg/kg)	Restricted Solid Waste Contaminant Threshold Without Leaching (TCLP) CT2 (mg/kg)	Restricted Solid Waste Leachable Concentration TCLP2 (mg/L)	Restricted Solid Waste Specific Contaminant Concentration SCC2 (mg/kg)	Totals (mg/kg)	TCLP (mg/L)	Totals (mg/kg)	TCLP (mg/L)	Totals (mg/kg)	TCLP (mg/L)
TRHs																
C6 - C9 Fraction	mg/kg	25			N/A	N/A	650	N/A	N/A	2,600	<25	NA	<25	NA	<25	NA
C10 - C14 Fraction	mg/kg	50			-	-		-	-	-	<50	NA	<50	NA	<50	NA
C15 - C28 Fraction	mg/kg	100			-	-	-	-	-	-	<100	NA	<100	NA	150	NA
C29 - C36 Fraction	mg/kg	100			-	-	-				130	NA	120	NA	220	NA
C10 - C36 Fraction (sum)	mg/kg	-			N/A	N/A	10,000	N/A	N/A	40,000	NC	NA	NC	NA	NC	NA
C6 - C10 Fraction	mg/kg	25			-	-	-	-	-	-	<25	NA	<25	NA	<25	NA
C6 - C10 Fraction minus BTEX (F1)	mg/kg	25			-	-	-	-	-	-	<25	NA	<25	NA	<25	NA
>C10 - C16 Fraction	mg/kg	50			-	-	-	-	-	-	<50	NA	<50	NA	<50	NA
>C16 - C34 Fraction	mg/kg	100			-	-	-	-	-	-	170	NA	140	NA	300	NA
>C34 - C40 Fraction	mg/kg	100			-	-	-	-	-	-	140	NA	130	NA	200	NA
>C10 - C40 Fraction (sum)	mg/kg	50			-	-	-	-	-	-	300	NA	270	NA	500	NA
>C10 - C16 Fraction minus Naphthalene (F2)	mg/kg	50			-	-	-	-	-	-	<50	NA	<50	NA	<50	NA
BTEX																
Benzene	mg/kg	0.2			10	0.5	18	40	2	72	<0.5	NA	<0.5	NA	<0.5	NA
Ethylbenzene	mg/kg	1			600	30	1,080	2400	120	4,320	<1	NA	<1	NA	<1	NA
Toluene	mg/kg	0.5			288	-	-	1,152	-	-	<0.5	NA	<0.5	NA	<0.5	NA
Xylene (m & p)	mg/kg	2			-	-	-	-	-	-	<2	NA	<2	NA	<2	NA
Xylene (o)	mg/kg	1			-	-	-	-	-	-	<1	NA	<1	NA	<1	NA
Xylene Total	mg/kg	3			1,000	50	1800	4,000	200	7200	<3	NA	<3	NA	<3	NA
PAHs																
Naphthalene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	<0.1	<0.001	<0.1	<0.001	<0.1	<0.001
Acenaphthylene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	<0.1	<0.001	<0.1	<0.001	<0.1	<0.001
Acenaphthene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	<0.1	<0.001	<0.1	<0.001	0.2	<0.001
Fluorene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	<0.1	<0.001	<0.1	<0.001	0.2	<0.001
Phenanthrene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	0.3	<0.001	1.1	<0.001	5.9	<0.001
Anthracene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	0.1	<0.001	0.2	<0.001	1.4	<0.001
Fluoranthene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	1.6	<0.001	1.9	<0.001	14	<0.001
Pyrene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	1.4	<0.001	1.6	<0.001	11	<0.001
Benzo(a)anthracene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	0.9	<0.001	0.8	<0.001	4.6	<0.001
Chrysene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	0.9	<0.001	0.7	<0.001	3.7	<0.001
Benzo(b,j+k)fluoranthene	mg/kg	0.2	mg/L	0.002	-	-	-	-	-	-	2	<0.002	1	<0.002	5.8	<0.002
Benzo(a)pyrene	mg/kg	0.05	mg/L	0.001	0.8	0.04	10	3	0.16	23	1.1	<0.001	0.72	<0.001	3.2	<0.001
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	1.1	<0.001	0.6	<0.001	2.4	<0.001
Dibenzo(a,h)anthracene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	0.2	<0.001	0.1	<0.001	0.4	<0.001
Benzo(g,h,i)perylene	mg/kg	0.1	mg/L	0.001	-	-	-	-	-	-	1.1	<0.001	0.6	<0.001	2.4	<0.001
Total +vePAHs	mg/kg	0.05	mg/L		N/A	N/A	200	-	-	800	11	NIL (+)VE	9.6	NIL (+)VE	55	NIL (+)VE
Benzo(a)pyrene TEQ calc (zero)	mg/kg	0.5			-	-	-	-	-	-	1.7	NA	1.1	NA	4.9	NA
Benzo(a)pyrene TEQ calc(half)	mg/kg	0.5			-	-	-	-	-	-	1.7	NA	1.1	NA	4.9	NA
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	0.5			-	-	-	-	-	-	1.7	NA	1.1	NA	4.9	NA
OCPs																
alpha-BHC	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
HCB	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
beta-BHC	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
gamma-BHC	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
Heptachlor	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
delta-BHC	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
Aldrin	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
Heptachlor Epoxide	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
gamma-Chlordane	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
alpha-chlordane	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
Endosulfan I	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
pp-DDE	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
Dieldrin	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
Endrin	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Endosulfan II	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
pp-DDD	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Endrin Aldehyde	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
pp-DDT	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Endosulfan Sulphate	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Methoxychlor	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Total +ve DDT+DDD+DDE	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
OPPs																
Dichlorvos	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Dimethoate	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Diazinon	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Chlorpyriphos-methyl	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Ronnel	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Fenitrothion	mg/kg	0.1									<0.1	NA	<0.1	NA	<0.1	NA
Malathion	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Chlorpyriphos	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Parathion	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Bromophos-ethyl	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Ethion	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Azinphos-methyl (Guthion)	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Polychlorinated Biphenyls																
Aroclor 1016	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Aroclor 1221	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Aroclor 1232	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
Aroclor 1242	mg/kg	0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
Aroclor 1248	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Aroclor 1254	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Aroclor 1260	mg/kg	0.1			-	-	-	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Total +ve PCBs (1016-1260)	mg/kg	0.1			<50	-	<50	-	-	-	<0.1	NA	<0.1	NA	<0.1	NA
Metals																
Arsenic	mg/kg	5	mg/L	0.05	100	5	500	400	20	2,000	5	<0.05	<4	<0.05	<4	<0.05
Cadmium	mg/kg	1	mg/L	0.01	20	1	100	80	4	400	<0.4	<0.01	<0.4	<0.01	<0.4	<0.01
Chromium	mg/kg	2	mg/L	0.01	-	-	-	-	-	-	10	0.01	10	0.01	8	<0.01
Copper	mg/kg	5			-	-	-	-	-	-	30	NA	71	NA	29	NA
Lead	mg/kg	5	mg/L	0.03	100	5	1,500	400	20	6,000	72	<0.03	92	<0.03	61	0.04
Mercury	mg/kg	0.1	mg/L	0.0005	4	0.2	50	16	0.8	200	0.1	<0.0005	0.1	<0.0005	<0.1	<0.0005
Nickel	mg/kg	2	mg/L	0.02	40	2	1,050	160	8	4,200	9	<0.02	12	<0.02	7	<0.02
Zinc	mg/kg	5			-	-	-	-	-	-	86	NA	82	NA	78	NA
Asbestos																
Sample mass tested	g	--			-	-	-				601.15	NA	581.11	NA	643.04	NA
Sample Description	-	--			-	-	-				Brown fine-grained soil & rocks	NA	Brown fine-grained soil & rocks	NA	Brown fine-grained soil & rocks	NA
Asbestos ID in soil	-	--			-	-	-				No asbestos detected at reporting limit of 0.1g/kg; Organic fibres detected	NA	No asbestos detected at reporting limit of 0.1g/kg; Organic fibres detected	NA	No asbestos detected at reporting limit of 0.1g/kg; Organic fibres detected	NA
Trace Analysis	-	--			-	-	-				No asbestos detected	NA	No asbestos detected	NA	No asbestos detected	NA
Total Asbestos g/kg	g/kg	<0.1			-	-	-				<0.1	NA	<0.1	NA	<0.1	NA
Asbestos ID in soil <0.1 g/kg	-	--			-	-	-				No visible asbestos detected	NA	No visible asbestos detected	NA	No visible asbestos detected	NA
ACM >7mm Estimation	g	--			-	-	-				–	NA	–	NA	–	NA
FA and AF Estimation	g	--			-	-	-				–	NA	–	NA	–	NA
ACM >7mm Estimation %(w/w)	%	<0.01			-	-	-				<0.01	NA	<0.01	NA	<0.01	NA
FA and AF Estimation %(w/w)	%	<0.001			-	-	-				<0.001	NA	<0.001	NA	<0.001	NA
Total Asb Est w/w	%	<0.001			-	-	-				NC	NA	NC	NA	NC	NA

NOTES
All concentrations are in mg/kg
"-" indicates that the criteria is not applicable for these analytes
< Value = Concentration less than laboratory EQL

Appendix E Regulatory Search Results

Background

A strategy to systematically prioritise, assess and respond to notifications under Section 60 of the ***Contaminated Land Management Act 1997*** (CLM Act) has been developed by the EPA. This strategy acknowledges the EPA's obligations to make information available to the public under ***Government Information (Public Access) Act 2009*** .

When a site is notified to the EPA, it may be accompanied by detailed site reports where the owner has been proactive in addressing the contamination and its source. However, often there is minimal information on the nature or extent of the contamination.

After receiving a report, the first step is to confirm that the report does not relate to a pollution incident. The Protection of the Environment Operations Act 1997 (POEO Act) deals with pollution incidents, waste stockpiling or dumping. The EPA also has an incident management process to manage significant incidents (https://www.epa.nsw.gov.au/reporting-and-incidents/incident-management).

In many cases, the information indicates the contamination is securely immobilised within the site, such as under a building or carpark, and is not currently causing any significant risks for the community or environment. Such sites may still need to be cleaned up, but this can be done in conjunction with any subsequent building or redevelopment of the land. These sites do not require intervention under the CLM Act, and are dealt with through the planning and development consent process. In these cases, the EPA informs the local council or other planning authority, so that the information can be recorded and considered at the appropriate time (https://www.epa.nsw.gov.au/your-environment/contaminated-land/managing-contaminated-land/role-of-planning-authorities).

Where indications are that the contamination could cause actual harm to the environment or an unacceptable offsite impact (i.e. the land is 'significantly contaminated'), the EPA would apply the regulatory provisions of the CLM Act to have the responsible polluter and/or landowner investigate and remediate the site. If the reported contamination could present an immediate or long-term threat to human health NSW Health will be consulted. SafeWork NSW and Water NSW can also be consulted if there appear to be occupational health and safety risks or an impact on groundwater quality.

As such, the sites notified to the EPA and presented in the list of contaminated sites notified to the EPA are at various stages of the assessment and remediation process. Understanding the nature of the underlying contamination, its implications and implementing a remediation program where required, can take a considerable period of time. The list provides an indication, in relation to each nominated site, as to the management status of that particular site. Further detailed information may be available from the EPA or the person who notified the site.

The following questions and answers may assist those interested in this issue.

Frequently asked questions

Why does my land appear on the list of notified sites?

Your land may appear on the list because:

• the site owner and/or the polluter has notified the EPA under section 60 of the CLM Act
• the EPA has been notified via other means and is satisfied that the site is or was contaminated.

If a site is on the list, it does not necessarily mean the contamination is significant enough to regulate under the CLM Act.

Does the list contain all contaminated sites in NSW?

No. The list only contains contaminated sites that EPA is aware of. If a site is not on the list, it does not necessarily mean the site is not contaminated.

The EPA relies on responsible parties and the public to notify contaminated sites.

How are notified contaminated sites managed by the EPA?

There are different ways the EPA can manage notified contaminated sites. Options include:

• regulation under the CLM Act, POEO Act, or both
• notifying the relevant planning authority for management under the planning and development process
• managing the site under the Protection of the Environment Operation (Underground Petroleum Storage Systems) Regulation 2014.

There are specific cases where contamination is managed under a tailored program operated by another agency (for example, the Resources & Geoscience's Legacy Mines Program).

What should I do if I am a potential buyer of a site that appears on the list?

You should seek advice from the seller to understand the contamination issue. You may need to seek independent contamination or legal advice.

The information provided in the list is indicative only and a starting point for your own assessment. Land contamination from past site uses is common, mainly in urban environments. If the site is properly remediated or managed, it may not affect the intended future use of the site.

Who can I contact if I need more information about a site?

You can contact the Environment Line at any time by calling 131 555 or by emailing info@environment.nsw.gov.au.

List of NSW Contaminated Sites Notified to the EPA

Disclaimer

The EPA has taken all reasonable care to ensure that the information in the list of contaminated sites notified to the EPA (the list) is complete and correct. The EPA does not, however, warrant or represent that the list is free from errors or omissions or that it is exhaustive.

The EPA may, without notice, change any or all of the information in the list at any time.

You should obtain independent advice before you make any decision based on the information in the list.

The list is made available on the understanding that the EPA, its servants and agents, to the extent permitted by law, accept no responsibility for any damage, cost, loss or expense incurred by you as a result of:

1. any information in the list; or
2. any error, omission or misrepresentation in the list; or
3. any malfunction or failure to function of the list;
4. without limiting (2) or (3) above, any delay, failure or error in recording, displaying or updating information.

Site Status	Explanation
Under assessment	The contamination is being assessed by the EPA to determine whether regulation is required. The EPA may require further information to complete the assessment. For example, the completion of management actions regulated under the planning process or *Protection of the Environment Operations Act 1997* .
Under Preliminary Investigation Order	The EPA has issued a Preliminary Investigation Order under s10 of the *Contaminated Land Management Act 1997* , to obtain additional information needed to complete the assessment.

Regulation under CLM Act not required	The EPA has completed an assessment of the contamination and decided that regulation under the *Contaminated Land Management Act 1997* is not required.
Regulation being finalised	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation under the *Contaminated Land Management Act 1997*. A regulatory approach is being finalised.
Contamination currently regulated under CLM Act	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation under the Contaminated Land Management Act 1997 (CLM Act). Management of the contamination is regulated by the EPA under the CLM Act. Regulatory notices are available on the EPA's Contaminated Land Public Record.
Contamination currently regulated under POEO Act	Contamination is currently regulated under the Protection of the Environment Operations Act 1997 (POEO Act). The EPA as the appropriate regulatory authority reasonably suspects that a pollution incident is occurring/ has occurred and that it requires regulation under the POEO Act. The EPA may use environment protection notices, such as clean up notices, to require clean up action to be taken. Such regulatory notices are available on the POEO public register.
Contamination being managed via the planning process (EP&A Act)	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation. The contamination of this site is managed by the consent authority under the *Environmental Planning and Assessment Act 1979* (EP&A Act) planning approval process, with EPA involvement as necessary to ensure significant contamination is adequately addressed. The consent authority is typically a local council or the Department of Planning and Environment.
Contamination formerly regulated under the CLM Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation under the *Contaminated Land Management Act 1997* (CLM Act). The contamination was addressed under the CLM Act.

Contamination formerly regulated under the POEO Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed under the *Protection of the Environment Operations Act 1997* (POEO Act).
Contamination was addressed via the planning process (EP&A Act)	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed by the appropriate consent authority via the planning process under the *Environmental Planning and Assessment Act 1979* (EP&A Act).
Ongoing maintenance required to manage residual contamination (CLM Act)	The EPA has determined that ongoing maintenance, under the Contaminated Land Management Act 1997 (CLM Act), is required to manage the residual contamination. Regulatory notices under the CLM Act are available on the EPA's Contaminated Land Public Record.

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ABBOTSFORD	Former Gasworks	83 Wymston PARADE	Gasworks	Contamination formerly regulated under the CLM Act	-33.85288351	151.1265979
ABBOTSFORD	Former Gasworks	82, 83, 84 Wymston Pde, & 37, 39, 43, 45 St Albans STREET	Gasworks	Contamination formerly regulated under the CLM Act	-33.85288316	151.1267729
ABBOTSFORD	Former Gasworks	85 Wymston PARADE	Gasworks	Regulation under CLM Act not required	-33.85265214	151.1266277
ABBOTSFORD	Former Gasworks	80-81 Wymston Pde and 35 and 41 St Albans STREET	Gasworks	Regulation under CLM Act not required	-33.85306653	151.1268142
ABBOTSFORD	Former Gasworks	43 St Albans STREET	Gasworks	Contamination formerly regulated under the CLM Act	-33.85270604	151.126976
ABERDEEN	Former Transport Depot	87-89 St Andrew STREET	Other Industry	Regulation under CLM Act not required	-32.17160931	150.8972859
ALBION PARK	Caltex Albion Park Service Station	1 Calderwood ROAD	Service Station	Regulation under CLM Act not required	-34.57131362	150.7647971
ALBION PARK RAIL	Caltex Service Station	174 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.56134097	150.7953663
ALBION PARK RAIL	Caltex Service Station	31 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.55162786	150.7880626
ALBION PARK RAIL	Former Timber Storage Area	36 Rivulet CRESCENT	Other Industry	Regulation under CLM Act not required	-34.54872597	150.7899351
ALBURY	Mobil Depot, Railway Place Albury	1 Railway PLACE	Other Petroleum	Regulation under CLM Act not required	-36.08526805	146.9236999
ALBURY	Woolworths Petrol	515 Young STREET	Service Station	Regulation under CLM Act not required	-36.08073723	146.92351
ALBURY	Former Caltex Service Station	842 David STREET	Service Station	Regulation under CLM Act not required	-36.06398743	146.9252143
ALBURY	SRA Land, 514 to 526 Young Street	514 to 526 Young STREET	Other Petroleum	Regulation under CLM Act not required	-36.08084123	146.9241682
ALBURY	Former Gasworks and surrounding commercial land.	441 Kiewa STREET	Gasworks	Contamination currently regulated under CLM Act	-36.08357983	146.9137004

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ALBURY	Coles Express Albury	465 Guinea STREET	Service Station	Regulation under CLM Act not required	-36.07513665	146.9213077
ALBURY	Former Thales Australia site, Albury	161 Fallon STREET	Other Industry	Contamination formerly regulated under the CLM Act	-36.064966	146.9434831
ALBURY	Xpress Service Station	616-624 Young STREET	Service Station	Contamination formerly regulated under the CLM Act	-36.07555262	146.9256466
ALBURY	Albury Plaza	Cnr Smollett Street and Townsend STREET	Other Industry	Regulation under CLM Act not required	-36.08112933	146.9135719
ALBURY	Mobil Albury Aviation Fuel Depot	Hangar 8 (Albury Airport), Ogden PLACE	Other Petroleum	Regulation under CLM Act not required	-36.07178139	146.9530165
ALBURY	SRA Land	448 and 452 Young STREET	Unclassified	Regulation under CLM Act not required	-36.08438605	146.9235454
ALBURY	Caltex Service Station	Dean Street, Corner Creek STREET	Service Station	Regulation under CLM Act not required	-36.07978937	146.9110825
ALEXANDRIA	Former Mobil Service Station	20 O'Riordan STREET	Service Station	Regulation under CLM Act not required	-33.9075539	151.2014811
ALEXANDRIA	Caltex Alexandria Service Station	133 Wyndham St, cnr McEvoy STREET	Service Station	Regulation under CLM Act not required	-33.90220927	151.2000425
ALEXANDRIA	Former Cadbury Schweppes	49-59 O'Riordan STREET	Other Industry	Contamination formerly regulated under the CLM Act	-33.91406619	151.195067
ALEXANDRIA	Formerly Gas N Go Alexandria (fully redeveloped into residential apartment as of September 2016)	10-20 Botany ROAD	Service Station	Regulation under CLM Act not required	-33.89536227	151.1987818
ALEXANDRIA	Mascot Developments	494-504 Gardeners ROAD	Other Industry	Regulation under CLM Act not required	-33.9198218	151.191282
ALEXANDRIA	Alexandria GoGas	562 Botany ROAD	Service Station	Regulation under CLM Act not required	-33.91577222	151.2000753
ALEXANDRIA	Australian Refined Alloys	202-212 Euston ROAD	Metal Industry	Regulation under CLM Act not required	-33.91505136	151.185872
ALEXANDRIA	Alexandra Canal Sediments	Off Huntley STREET	Other Industry	Contamination currently regulated under CLM Act	-33.92204213	151.1770009

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ALEXANDRIA	Australia Post	10-24 Ralph STREET	Other Industry	Contamination was addressed via the planning process (EP&A Act)	-33.91583041	151.197997
ALEXANDRIA	Perry Park	1B Maddox STREET	Landfill	Regulation under CLM Act not required	-33.90809949	151.1962945
ALEXANDRIA	Alexandria Gardens	146-156 Wyndham Street & 146-156 Botany ROAD	Unclassified	Regulation under CLM Act not required	-33.89956961	151.1997377
ALEXANDRIA	Sydney Park	Sydney Park ROAD	Landfill	Contamination currently regulated under CLM Act	-33.91163421	151.1840827
ALEXANDRIA	Former Industrial Site (now Value Suites)	16 O'Riordan STREET	Other Industry	Regulation under CLM Act not required	-33.9069796	151.201902
ALEXANDRIA	The Gentry Alexandria - 31 to 41 William St.	31-41 William STREET	Unclassified	Regulation under CLM Act not required	-33.91288033	151.1980106
ALSTONVILLE	Caltex Service Station Alstonville	73 Main STREET	Service Station	Regulation under CLM Act not required	-28.84115994	153.4388699
AMBARVALE	Caltex Service Station	37 Woodhouse DRIVE	Service Station	Regulation under CLM Act not required	-34.08438034	150.8019168
ANNANDALE	7-Eleven (former Mobil) Annandale Service Station	198 Parramatta ROAD	Service Station	Regulation under CLM Act not required	-33.88706434	151.1741135
ANNANDALE	Shell Coles Express Service Station	124-126 Johnston STREET	Service Station	Regulation under CLM Act not required	-33.88085651	151.1704805
APPIN	Elladale Creek Aqueduct Upper Canal	Macquariedale ROAD	Unclassified	Regulation under CLM Act not required	-34.18867067	150.7539597
APPIN	West Cliff Colliery	Wedderburn ROAD	Other Petroleum	Regulation under CLM Act not required	-34.21970612	150.8217522
ARDLETHAN	Landmark Fertiliser Storage Facility	18 & 24-26 Ariah STREET	Chemical Industry	Regulation under CLM Act not required	-34.35696645	146.9007084
ARGENTON	NSW Mines Rescue Services - Argenton	533 Lake ROAD	Other Industry	Regulation under CLM Act not required	-32.93807208	151.6269664
ARMIDALE	Former Mobil Depot	132 Niagara STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-30.51115918	151.6490343

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ARMIDALE	Caltex Service Station	146 Miller STREET	Service Station	Regulation under CLM Act not required	-30.51362759	151.6481123
ARMIDALE	RTA land adjoining Martin Street estate	Martin STREET	Other Industry	Contamination formerly regulated under the CLM Act	-30.5045	151.6433
ARMIDALE	Shell Service Station	93 Marsh STREET	Service Station	Regulation under CLM Act not required	-30.51299824	151.6697557
ARMIDALE	Parklands near the former gasworks	Beardy Street and Allingham STREET	Gasworks	Regulation under CLM Act not required	-30.51013465	151.6652722
ARMIDALE	Gasworks and portion of Harris Park	Corner of Beardy Street and Allingham STREET	Gasworks	Contamination currently regulated under CLM Act	-30.51157406	151.6623073
ARMIDALE	Martin Street Estate, Lot 3	Lot 3 Martin STREET	Other Industry	Regulation under CLM Act not required	-30.5066659	151.6453692
ARMIDALE	Martin Street Estate	Martin STREET	Other Industry	Regulation under CLM Act not required	-30.50559024	151.6431854
ARMIDALE	Caltex Armidale Girraween Service Station	6-8 Queen Elizabeth DRIVE	Service Station	Regulation under CLM Act not required	-30.50348872	151.6510748
ARMIDALE	Martin Street, Crown Land	Martin STREET	Other Industry	Contamination formerly regulated under the CLM Act	-30.50414076	151.6429516
ARMIDALE	Former Shell Depot	134 Niagara STREET	Other Petroleum	Regulation under CLM Act not required	-30.51180178	151.6488634
ARMIDALE	Caltex Service Station	144 Marsh STREET	Service Station	Regulation under CLM Act not required	-30.51709925	151.6675802
ARMIDALE	Caltex North Hill Service Station	2-4 Marsh STREET	Service Station	Regulation under CLM Act not required	-30.50320439	151.6727051
ARMIDALE	Mobil Armidale Service Station and Former Depot	10-12 McLennan STREET	Service Station	Regulation under CLM Act not required	-30.51107573	151.648242
ARMIDALE	Caltex Service Station	19/10541 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-30.53210764	151.6160492
ARMIDALE	Armidale Dumaresq Council Grafton Road Depot	15-25 Grafton ROAD	Other Petroleum	Regulation under CLM Act not required	-30.52058076	151.6815261

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ARNCLIFFE	7-Eleven Arncliffe	28 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-33.93428397	151.1525438
ARNCLIFFE	Combined Projects Arncliffe	104-128 Princes HIGHWAY	Other Industry	Regulation under CLM Act not required	-33.934009	151.152135
ARTARMON	7-Eleven (former Mobil) Artarmon Service Station	477 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.81053826	151.1774248
ASHBY	Ashby Dry Dock	via Clarence STREET	Other Industry	Contamination formerly regulated under the CLM Act	-29.44158377	153.1972304
ASHFIELD	Vehicle Workshop	445-449 Liverpool ROAD	Service Station	Regulation under CLM Act not required	-33.88826829	151.1167477
ASQUITH	BP Service Station	462 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.68982678	151.106156
ATTUNGA	Attunga Limestone Mine (Waste Oil Site)	Garthowen ROAD	Other Industry	Regulation under CLM Act not required	-30.92920627	150.8579435
AUBURN	DIC Australia	323 Chisholm ROAD	Other Industry	Regulation under CLM Act not required	-33.87228962	151.0157032
AUBURN	Former Ajax Chemical Factory	9 Short STREET	Other Industry	Contamination formerly regulated under the CLM Act	-33.83671601	151.0292071
AUBURN	Janyon	Manchester ROAD	Other Industry	Regulation under CLM Act not required	-33.84467826	151.020745
AUBURN	Maintrain Facility - Sydney Trains Auburn	Manchester ROAD	Other Industry	Regulation under CLM Act not required	-33.84410947	151.0242502
AUBURN	Department of Corrective Services land adjacent to the former Auburn Landfill	Jamieson STREET	Landfill	Contamination formerly regulated under the CLM Act	-33.82928257	151.0590653
AUBURN	Commercial land	11-13 Percy STREET	Other Industry	Under assessment	-33.850222	151.040962
AWABA	Awaba Colliery	Wilton ROAD	Other Industry	Regulation under CLM Act not required	-33.02098186	151.5383612
BALGOWLAH	BP Service Station	Cnr Sydney Road and Maretimo STREET	Service Station	Regulation under CLM Act not required	-33.79546175	151.2559309

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BALGOWLAH	Part of Manly Council Maintenance Depot	8-10 Roseberry STREET	Other Petroleum	Regulation under CLM Act not required	-33.78928907	151.2679557
BALGOWNIE	Fuel Power Plus	99 Balgownie ROAD	Service Station	Contamination currently regulated under POEO Act	-34.38925632	150.8808544
BALLINA	Former Mobil Service Station	37-41 Cherry STREET	Service Station	Regulation under CLM Act not required	-28.86952673	153.5624436
BALLINA	Ballina Shell	273 River STREET	Service Station	Regulation under CLM Act not required	-28.86809272	153.5552789
BALLINA	Woolworths Petrol	Kerr STREET	Service Station	Regulation under CLM Act not required	-28.85824461	153.5605439
BALLINA	Ballina Mays Motors	River STREET	Other Petroleum	Regulation under CLM Act not required	-28.86935402	153.5585931
BALRANALD	Caltex Service Station	Sturt HIGHWAY	Service Station	Regulation under CLM Act not required	-34.66747746	143.5662034
BANKSIA	Woolworths Petrol Service Station Banksia	314 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-33.94567308	151.1416884
BANKSIA	Cooks Cove Development	Cooks Cove PARK	Landfill	Regulation under CLM Act not required	-33.948464	151.153128
BANKSMEADOW	Orica Botany Groundwater Project	16-20 Beauchamp ROAD	Chemical Industry	Contamination currently regulated under CLM Act	-33.9552673	151.2151954
BANKSMEADOW	Discovery Cove, Former Ampol Rail Terminal	1801 Botany ROAD	Other Petroleum	Regulation being finalised	-33.96162178	151.2184122
BANKSMEADOW	Caltex Terminal	1-3 Penrhyn ROAD	Other Petroleum	Contamination currently regulated under POEO Act	-33.96335328	151.2171062
BANKSMEADOW	Orica Botany (Pre-2003 Regulation)	Port Feeder ROAD	Chemical Industry	Contamination currently regulated under CLM Act	-33.9516159	151.2195804
BANKSMEADOW	Veolia Waste Transfer Terminal (former Keith Engineering site)	34-36 McPherson STREET	Other Industry	Regulation under CLM Act not required	-33.95811039	151.2195225
BANKSMEADOW	Orica Former Chlor Alkali Plant (same site as Orica Botany Groundwater Project)	Botany Industrial Park, off Denison STREET	Chemical Industry	Contamination currently regulated under CLM Act	-33.95664283	151.221685

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BANKSMEADOW	Former Pipeline	Corish CIRCLE	Other Petroleum	Regulation being finalised	-33.94705787	151.2209919
BANKSMEADOW	Pacific National Rail Siding	1 Beauchamp ROAD	Chemical Industry	Contamination currently regulated under CLM Act	-33.95757712	151.2204974
BANKSMEADOW	Former Mobil Banksmeadow Terminal	Coal Pier ROAD	Other Petroleum	Regulation under CLM Act not required	-33.95405624	151.2142048
BANKSMEADOW	Orica Car Park Waste Encapsulation	Corish CIRCLE	Landfill	Contamination formerly regulated under the POEO Act	-33.94703665	151.22083
BANKSTOWN	7-Eleven Service Station	689 Henry Lawson DRIVE	Service Station	Regulation under CLM Act not required	-33.92749953	150.9804784
BANORA POINT	Caltex Service Station	Corner Leisure Drive and Darlington DRIVE	Service Station	Regulation under CLM Act not required	-28.21390712	153.5417434
BARGO	Tahmoor Colliery	Remembrance DRIVE	Other Industry	Regulation under CLM Act not required	-34.25090795	150.5793631
BARMEDMAN	Caltex - Barmedman	Corner Watson Street and Star STREET	Other Petroleum	Regulation under CLM Act not required	-34.14351302	147.3824934
BARRACK HEIGHTS	Caltex Service Station	332-336 Shellharbour ROAD	Service Station	Regulation under CLM Act not required	-34.56489171	150.8597814
BASS HILL	Woolworths Caltex Bass Hill	862 Hume HIGHWAY	Service Station	Under assessment	-33.9008648	150.9991181
BATEAU BAY	Former landfill	The Entrance ROAD	Landfill	Contamination currently regulated under CLM Act	-33.3938305	151.4699046
BATEAU BAY	Woolworths Service Station Bateau Bay	9 Bay Village ROAD	Service Station	Regulation under CLM Act not required	-33.37316432	151.4737125
BATEHAVEN	Caltex Service Station	264 Beach ROAD	Service Station	Regulation under CLM Act not required	-35.73255166	150.1997536
BATEHAVEN	Coles Express Service Station Batehaven	198 Beach ROAD	Service Station	Regulation under CLM Act not required	-35.72671807	150.1944931
BATEMANS BAY	Caltex Service Station	87-89 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-35.71940701	150.1762788

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BATHURST	Shell Coles Express Service Station	(Cnr Stewart and Rocket Street) 298 Stewart STREET	Service Station	Regulation under CLM Act not required	-33.41910999	149.5677773
BATHURST	Former Shell Depot Bathurst	56 Bant STREET	Other Petroleum	Regulation under CLM Act not required	-33.43471575	149.5774595
BATHURST	Bathurst Rail Fabrication Centre	34 Alpha STREET	Other Industry	Regulation under CLM Act not required	-33.42805153	149.5829156
BATHURST	Bathurst - Former Caltex Depot	114 Howick STREET	Other Petroleum	Regulation under CLM Act not required	-33.42296963	149.5862574
BATHURST	Caltex Bathurst Service Station	53 Durham STREET	Service Station	Regulation under CLM Act not required	-33.41689545	149.5848527
BATHURST	Former Police Station	Corner of William Street and Durham STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-33.41592424	149.5842233
BATHURST	Former Mobil Depot	1 Lambert STREET	Other Petroleum	Regulation under CLM Act not required	-33.42875534	149.5806344
BATHURST	Crago Mill site	Piper STREET	Other Industry	Regulation under CLM Act not required	-33.42777602	149.5809428
BATHURST	Former Mobil Depot	Lower Russell STREET	Other Petroleum	Regulation under CLM Act not required	-33.42497876	149.585128
BATHURST	Shell Coles Express Bathurst Service Station	59 Durham STREET	Service Station	Regulation under CLM Act not required	-33.41639415	149.5843243
BATHURST	Former Gasworks	71 Russell STREET	Gasworks	Contamination formerly regulated under the CLM Act	-33.42420302	149.5864517
BATHURST	Devro Cattle Hide Processing Plant	46 Vale ROAD	Other Industry	Regulation under CLM Act not required	-33.43926137	149.5803563
BATLOW	Crown Reserves	Mill ROAD	Other Industry	Under assessment	-35.524483	148.150379
BAULKHAM HILLS	Caltex Baulkham Hills Service Station	117 Seven Hills ROAD	Service Station	Regulation under CLM Act not required	-33.76139872	150.9750767
BAULKHAM HILLS	Caltex Service Station	130 Seven Hills ROAD	Service Station	Regulation under CLM Act not required	-33.76180431	150.9746297

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BAULKHAM HILLS	Shell Coles Express Service Station	363 Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.7601819	150.9916224
BAULKHAM HILLS	IBM Baulkham Hills Data Centre	3 Brookhollow AVENUE	Other Industry	Under assessment	-33.732526	150.96802
BEACON HILL	Caltex Service Station	176 Warringah ROAD	Service Station	Contamination currently regulated under CLM Act	-33.75381485	151.2602617
BEACON HILL	Former 7-Eleven Service Station, Beacon Hill	312 Warringah ROAD	Service Station	Regulation under CLM Act not required	-33.75129647	151.2469656
BEACONSFIELD	63-85 Victoria St, Beaconsfield	63-85 Victoria STREET	Other Industry	Regulation under CLM Act not required	-33.9102929	151.2016275
BEGA	Coles Express (former Caltex) Service Station	2-6 Swan (Corner Carp) STREET	Service Station	Regulation under CLM Act not required	-36.67388263	149.838163
BEGA	Former BP Service Station	100 - 102 Gipps STREET	Service Station	Regulation under CLM Act not required	-36.67563094	149.8433291
BEGA	Former Bega Gasworks	19-29 Upper STREET	Gasworks	Under preliminary investigation order	-36.67710613	149.8480253
BEGA	Caltex Service Station	36-40 Lagoon STREET	Service Station	Regulation under CLM Act not required	-36.66832965	149.8289048
BEGA	Lands Adjoining the Former Bega Gasworks	Part of Upper, East, Gordon & Gloucester STREET	Gasworks	Under preliminary investigation order	-36.67710613	149.8480253
BEGA	Spenco Site - owned by Bega Spotlight Property 2 Pty Ltd	53-65 Bega Street STREET	Other Industry	Regulation under CLM Act not required	-36.67135539	149.8450828
BELMONT	Coles Express Belmont Service Station	502 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.03317155	151.6605194
BELMONT	Former Ampol Service Station	467-469 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.0299728	151.6613301
BELMONT NORTH	Woolworths Service Station Belmont North	399 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.02454211	151.6634893
BELMONT NORTH	Caltex Belmont North Service Station	406 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.02476876	151.6623655

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BELMONT NORTH	Belmont Bus Depot	2 Floraville ROAD	Other Petroleum	Regulation under CLM Act not required	-33.02476269	151.6606657
BELMORE	SRA Land	348 Burwood ROAD	Unclassified	Regulation under CLM Act not required	-33.91753611	151.0859487
BELMORE	7-Eleven Service Station	792-794 Canterbury ROAD	Service Station	Regulation under CLM Act not required	-33.92567992	151.0873469
BELROSE	Glenrose Shopping Centre	56-58 Glen STREET	Unclassified	Contamination currently regulated under CLM Act	-33.73917996	151.2101029
BELROSE	Woolworths Petrol	60 Glen STREET	Service Station	Regulation under CLM Act not required	-33.74009002	151.2091045
BELROSE	Caltex Service Station	157 Forest WAY	Service Station	Regulation under CLM Act not required	-33.7347675	151.2212004
BENNETTS GREEN	Former Windale Wastewater Treatment Works	8 Templar PLACE	Other Industry	Regulation under CLM Act not required	-33.00317523	151.6936636
BERESFIELD	BP Beresfield Truckstop	2 Kinta Drive, corner John Renshaw DRIVE	Service Station	Regulation under CLM Act not required	-32.81122768	151.6393427
BERESFIELD	Former Koppers Timber Treatment Site	53 Weakleys DRIVE	Other Industry	Regulation under CLM Act not required	-32.79902937	151.6358846
BERKELEY VALE	Former Berkeley Vale Service Station	121-123 Lakedge AVENUE	Service Station	Regulation under CLM Act not required	-33.34899186	151.4423109
BERKSHIRE PARK	Shell Coles Express Berkshire Park	746 - 752 Richmond ROAD	Service Station	Regulation under CLM Act not required	-33.66508654	150.7990243
BEROWRA	Caltex Berowra Service Station	12-14 Berowra Waters ROAD	Service Station	Regulation under CLM Act not required	-33.6233827	151.1505554
BEROWRA	7-Eleven Berowra Service Station	965-969 Pacific (Cnr Waratah Rd) HIGHWAY	Service Station	Regulation under CLM Act not required	-33.62673163	151.1479171
BEROWRA	Shell Coles Express Berowra	955 Pacific (Cnr Yallambee Rd) HIGHWAY	Service Station	Regulation under CLM Act not required	-33.62818015	151.1475736
BEROWRA	42 Berowra Waters Road	42 Berowra Waters ROAD	Unclassified	Regulation under CLM Act not required	-33.6203211	151.1482454

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BERRIGAN	Caltex Service Station Berrigan	155-165 Chanter STREET	Service Station	Regulation under CLM Act not required	-35.6557616	145.8015557
BERRY	Berry Service Centre - Shell Branded	88 Queen STREET	Service Station	Regulation under CLM Act not required	-34.77571634	150.6961713
BERRY	BP branded service station Berry (Formerly Shell)	75 Queen STREET	Service Station	Contamination currently regulated under POEO Act	-34.77500516	150.695167
BEXLEY	7-Eleven Bexley	474 Forest ROAD	Service Station	Regulation under CLM Act not required	-33.95160096	151.1252355
BEXLEY	7-Eleven (former Mobil) Service Station Bexley	613 Forest ROAD	Service Station	Regulation under CLM Act not required	-33.95539246	151.118447
BILAMBIL HEIGHTS	Former Banana Plantation Land	38 McAllisters ROAD	Other Industry	Regulation under CLM Act not required	-28.21218056	153.4778762
BILLINUDGEL	CSR Readymix	Mogo PLACE	Other Industry	Regulation under CLM Act not required	-28.50210255	153.5278161
BILLINUDGEL	Billinudgel General Store	2A Wilfred STREET	Service Station	Under assessment	-28.50435	153.52701
BLACKMANS FLAT	Mount Piper Extension Development Site	2847 Boulder ROAD	Other Industry	Regulation under CLM Act not required	-33.35619968	150.0279881
BLACKMANS FLAT	Western Coal Services (former Lamberts Gully Mine)	Castlereagh HIGHWAY	Other Industry	Regulation under CLM Act not required	-33.36713827	150.0483236
BLACKTOWN	Former Caltex Service Station	131 Richmond ROAD	Service Station	Regulation under CLM Act not required	-33.75866104	150.8962614
BLACKTOWN	Valspar Blacktown	4 Steel STREET	Chemical Industry	Regulation under CLM Act not required	-33.75425018	150.9127714
BLACKTOWN	Harpers Bush (Reserve 752)	Reservoir ROAD	Unclassified	Regulation under CLM Act not required	-33.79119448	150.8967838
BLACKTOWN	7-Eleven Service Station	60 Walters ROAD	Service Station	Regulation under CLM Act not required	-33.77599783	150.8948926
BLAKEHURST	Woolworths Service Station Blakehurst	390 Princes HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-33.99019694	151.1135663

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BLAKEHURST	The Bay Nursing Home	392 & 394 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-33.99030465	151.1140293
BLAXLAND	7-Eleven (former Mobil) Service Station	137 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.74627	150.6137669
BOAMBEE	Lindsay Bros transport depot site	542 Pacific HIGHWAY	Other Petroleum	Regulation under CLM Act not required	-30.33106848	153.0802985
BOAMBEE	BP-branded (former Mobil) Boambee Service Station	601 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-30.33544287	153.0817266
BOBS FARM	Bob's Farm	15 Fenningham Island ROAD	Other Industry	Regulation under CLM Act not required	-32.74867207	152.0316217
BOGGABILLA	Former Caltex Service Station	90 Simpson Street, corner Newell HIGHWAY	Service Station	Regulation under CLM Act not required	-28.60654029	150.3571056
BOGGABILLA	Lowes (Former Mobil) Depot	Newell HIGHWAY	Other Petroleum	Regulation under CLM Act not required	-28.61023985	150.3529156
BOMADERRY	Caltex Service Station	341 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.84561952	150.5946978
BOMADERRY	Caltex Service Station Bomaderry	246 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.83833824	150.5958799
BOMADERRY	Former Mobil Emoleum Depot	7 Victa WAY	Other Petroleum	Regulation under CLM Act not required	-34.84454618	150.6139462
BOMADERRY	Former Shell Depot	44 Railway STREET	Other Petroleum	Regulation under CLM Act not required	-34.85193621	150.6117038
BOMADERRY	SRA Land	Lot 2 Meroo STREET	Unclassified	Regulation under CLM Act not required	-34.85314813	150.6099573
BOMADERRY	Bomaderry Works Depot	10 McIntyre WAY	Other Petroleum	Regulation under CLM Act not required	-34.84576748	150.6131411
BOMADERRY	Commercial Land	320 Princes HIGHWAY	Other Industry	Contamination currently regulated under CLM Act	-34.84424073	150.5958149
BOMBALA	Caltex Service Station Bombala	159-161 Maybe STREET	Service Station	Regulation under CLM Act not required	-36.91234945	149.2374622

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BOMBALA	Former Bright Street Timber Mill	Bright STREET	Other Industry	Regulation under CLM Act not required	-36.91547645	149.2302454
BOMBALA	Caltex Bombala Service Station	High Street corner Stephen STREET	Service Station	Regulation under CLM Act not required	-36.90447935	149.241292
BOMBALA	Prime Pine site	Sandy LANE	Other Industry	Regulation under CLM Act not required	-36.9315425	149.2110959
BOMEN	Caltex Terminal	34 Lewington STREET	Other Petroleum	Regulation under CLM Act not required	-35.0700202	147.4121955
BONDI	BP-branded Service Station	185 Bondi ROAD	Service Station	Regulation under CLM Act not required	-33.89432208	151.2647671
BONDI	Caltex Service Station Bondi	51 Bondi ROAD	Service Station	Regulation under CLM Act not required	-33.8936307	151.260001
BONDI JUNCTION	Waverley Bus Depot	1-15 Oxford STREET	Other Industry	Regulation under CLM Act not required	-33.89165341	151.2421246
BONNY HILLS	Bonny View Store	923 Ocean DRIVE	Service Station	Regulation under CLM Act not required	-31.59075636	152.8392935
BONNYRIGG	Metro (Formerly United & AP SAVER) Service Station Bonnyrigg	709 Cabramatta (W) ROAD	Service Station	Regulation under CLM Act not required	-33.89297085	150.8925935
BONNYRIGG HEIGHTS	BP-Branded Service Station Bonnyrigg	451 North Liverpool ROAD	Service Station	Regulation under CLM Act not required	-33.89416327	150.8578378
BOOLAROO	Cardiff West Estate - Pasminco Cockle Creek	Adjacent to PCC Smelter at 13A Main ROAD	Metal Industry	Regulation under CLM Act not required	-32.93950137	151.6349183
BOOLAROO	Cockle Creek and Cockle Bay Sediments	Off Creek Reserve ROAD	Metal Industry	Contamination currently regulated under CLM Act	-32.96079541	151.6141327
BOOLAROO	Pasminco Cockle Creek Smelter	Lake ROAD	Metal Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-32.94434593	151.6307345
BOOLAROO	Incitec Pivot	13 Main STREET	Other Industry	Contamination formerly regulated under the CLM Act	-32.94803538	151.6302187
BOOLAROO	Bunnings Site - Pasminco Cockle Creek	13a Main ROAD	Metal Industry	Contamination formerly regulated under the CLM Act	-32.94364503	151.6252316

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BOOLAROO	Part Lot 2 DP1127713 (proposed Lot G) - Pasminco Cockle Creek Smelter site	13a Main ROAD	Metal Industry	Contamination formerly regulated under the CLM Act	-32.94364503	151.6252316
BOOLAROO	Lot 600 DP1228699 (formerly Part Lot 2 DP1127713 & proposed 'Lot D') - Pasminco Cockle Creek Smelter site	Main ROAD	Metal Industry	Contamination formerly regulated under the CLM Act	-32.944397	151.626397
BOOROWA	Former Mobil Depot	14-16 Brial STREET	Other Petroleum	Regulation under CLM Act not required	-34.43673234	148.7300821
BOOROWA	Mobil Service Station	63-69 Marsden STREET	Service Station	Contamination formerly regulated under the CLM Act	-34.44157331	148.7162391
BOTANY	Former Aerosols of Australia	1617 Botany ROAD	Chemical Industry	Regulation under CLM Act not required	-33.9529386	151.2037468
BOTANY	Allnex	49-61 Stephen ROAD	Chemical Industry	Contamination currently regulated under CLM Act	-33.952588	151.21101
BOTANY	Former Tannery	2 Daniel STREET	Other Industry	Regulation under CLM Act not required	-33.94126194	151.1991087
BOTANY	Botany, Underwood	14a Underwood AVENUE	Unclassified	Contamination being managed via the planning process (EP&A Act)	-33.94508532	151.1947626
BOTANY	Roads and Maritime Service	5 - 9 Lord STREET	Other Industry	Regulation under CLM Act not required	-33.94100279	151.1968763
BOTANY	Former Industrial Site	28 Folkestone PARADE	Unclassified	Contamination being managed via the planning process (EP&A Act)	-33.95187539	151.1960537
BOURKE	Caltex Service Station	82-86 Anson STREET	Service Station	Regulation under CLM Act not required	-30.09500388	145.9414388
BOURKE	Former Shell Bourke Depot	94-106 Anson STREET	Service Station	Regulation under CLM Act not required	-30.09548497	145.9436745
BOWENFELS	Bowenfels Field Support Centre	9-13 Cooerwull ROAD	Other Petroleum	Regulation under CLM Act not required	-33.47514572	150.1323899
BOWRAL	Shell Coles Express Bowral Service Station	430 Bong Bong STREET	Service Station	Regulation under CLM Act not required	-34.48269596	150.417389
BOWRAL	Former Gasworks	Merrigang STREET	Gasworks	Contamination currently regulated under CLM Act	-34.4783957	150.4255053

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BOX HILL	Former Waste Management Facility	25 Terry ROAD	Landfill	Regulation under CLM Act not required	-33.65559259	150.8977986
BOX HILL	Former Poultry Farm	27-33 Boundary ROAD	Other Industry	Regulation under CLM Act not required	-33.64866563	150.8815467
BOX HILL	Former Poultry Farm	19-25 Boundary ROAD	Other Industry	Under assessment	-33.65087576	150.88063
BRANXTON	Former Service Station Branxton	Part of 70 Maitland STREET	Service Station	Contamination currently regulated under CLM Act	-32.65647051	151.3516199
BRANXTON	Branxton Wastewater Treatment Works	2151 New England HIGHWAY	Other Industry	Regulation under CLM Act not required	-32.66069944	151.3625572
BREWARRINA	Dowell's Fuel	39 Doyle STREET	Service Station	Regulation under CLM Act not required	-29.96152786	146.8612561
BRIGHTON-LE-SANDS	Shell Service Station Brighton Le Sands & adjacent land	2 General Holmes DRIVE	Service Station	Contamination formerly regulated under the CLM Act	-33.9579214	151.1578665
BRIGHTON-LE-SANDS	Cook Park	General Holmes DRIVE	Service Station	Contamination formerly regulated under the CLM Act	-33.9581072	151.1579572
BROADMEADOW	Former Industrial Site	16 Broadmeadow ROAD	Service Station	Regulation under CLM Act not required	-32.91444096	151.7300112
BROADMEADOW	Nineways Broadmeadow Coles Express SS	Corner Brunker Road and Lambton ROAD	Service Station	Regulation under CLM Act not required	-32.92511185	151.7364247
BROKEN HEAD	South Byron Sewage Treatment Works	Broken Head ROAD	Other Industry	Regulation under CLM Act not required	-28.67233626	153.6148974
BROKEN HILL	Former Caltex Depot	3 Kanandah ROAD	Service Station	Regulation under CLM Act not required	-31.98341823	141.4332211
BROKEN HILL	Former Caltex Service Station	167-173 Argent STREET	Service Station	Regulation under CLM Act not required	-31.96066663	141.4624175
BROKEN HILL	Caltex Service Station	535 Argent STREET	Service Station	Regulation under CLM Act not required	-31.95311924	141.4745274
BROKEN HILL	Tasco Petroleum (Former Mobil) Depot	5 Kanandah ROAD	Other Petroleum	Regulation under CLM Act not required	-31.9843986	141.4329127

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BROKEN HILL	Former Mobil Aviation Refuelling Facility, Broken Hill Airport	Airport ROAD	Other Petroleum	Regulation under CLM Act not required	-31.99928312	141.4685759
BROKEN HILL	Caltex Service Station	73-87 Oxide STREET	Service Station	Contamination formerly regulated under the CLM Act	-31.95519591	141.4658647
BROKEN HILL	Former Mobil Depot	Corner Of Talc Street and Gossan STREET	Other Petroleum	Regulation under CLM Act not required	-31.96018102	141.4514752
BROKEN HILL	Former Gasworks	Cornish STREET	Gasworks	Contamination formerly regulated under the CLM Act	-31.96330562	141.4470611
BROOKLYN	Former Oyster Farm	139 Brooklyn (Off Government) ROAD	Unclassified	Regulation under CLM Act not required	-33.54716867	151.2229744
BROOKVALE	Coles Express Service Station Brookvale	198 Harbord ROAD	Service Station	Regulation under CLM Act not required	-33.76332299	151.2794028
BROOKVALE	Woolworths Petrol Brookvale	756 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.76170587	151.2762411
BROOKVALE	Caltex Service Station Brookvale	740-742 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.76146721	151.2745358
BROOKVALE	Harrison Manufacturing	75 Old Pittwater ROAD	Other Industry	Regulation under CLM Act not required	-33.76497282	151.2637961
BROOKVALE	Brookvale Bus Depot	630-636 Pittwater ROAD	Other Petroleum	Regulation under CLM Act not required	-33.76641698	151.2705659
BROOKVALE	Warringah Mall	Cnr Condamine Street, Old Pittwater Rd & Cross STREET	Other Industry	Regulation under CLM Act not required	-33.76729923	151.2657272
BROOKVALE	Littles Dry Cleaning	123 Old Pittwater ROAD	Other Industry	Regulation under CLM Act not required	-33.76759121	151.2625932
BROWNSVILLE	Caltex Service Station	342 Kanahooka ROAD	Service Station	Regulation under CLM Act not required	-34.48591734	150.8064373
BRUNSWICK HEADS	Caltex Service Station	5 Tweed STREET	Service Station	Regulation under CLM Act not required	-28.5381619	153.5487135
BUDGEWOI	Colongra Power Station	Off Scenic DRIVE	Other Industry	Under assessment	-33.21463137	151.5529338

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BULAHDELAH	Caltex Service Station	8 Red Gum Road, Corner Mahogany STREET	Service Station	Regulation under CLM Act not required	-32.39837094	152.2106015
BULAHDELAH	Former Caltex Service Station	53-59 Bulahdelah WAY	Service Station	Regulation under CLM Act not required	-32.40721638	152.2110291
BULAHDELAH	BP-branded (former Mobil) Service Station	73-75 Bulahdelah WAY	Service Station	Regulation under CLM Act not required	-32.40971018	152.2105785
BULLABURRA	Former Burmah Bullaburra Service Station	367 - 369 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.72482995	150.4124537
BULLI	Scrap Yard	7 Molloy STREET	Other Industry	Contamination formerly regulated under the CLM Act	-34.33663195	150.9131154
BULLI	Bulli Brickworks	Quilkey PLACE	Other Industry	Regulation under CLM Act not required	-34.33263113	150.9086247
BUNGALORA	Former landfill area	Part of 840 Terranora ROAD	Other Industry	Regulation under CLM Act not required	-28.245029	153.476206
BUNGENDORE	Former Timber Treatment Plant	Corner King Street and Butmaroo STREET	Other Industry	Contamination formerly regulated under the CLM Act	-35.26151273	149.4434907
BURONGA	Caltex Service Station	Sturt Hwy Cnr Silver City HIGHWAY	Service Station	Regulation under CLM Act not required	-34.17056496	142.1813847
BURWOOD	Burwood STA Depot	Cnr Shaftesbury and Parramatta ROADS	Other Industry	Contamination formerly regulated under the CLM Act	-33.86982934	151.1089057
BYRON BAY	Residential Development	Lot 15 Seaview STREET	Unclassified	Regulation under CLM Act not required	-28.65214464	153.6165573
BYRON BAY	Butler Street Reserve Byron Bay	Butler STREET	Landfill	Under assessment	-28.6434329	153.6101099
CABARITA	Dulux (Orica Australia)	Cabarita ROAD	Chemical Industry	Contamination formerly regulated under the CLM Act	-33.84643972	151.1157115
CABARITA	Wellcome Soil Containment Cells Cabarita	47 and 48 Phillips STREET	Other Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.85250251	151.1176366
CABRAMATTA	Caltex (former Mobil) Landsvale Service Station	141 Hume HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-33.89442261	150.9571507

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CABRAMATTA	Caltex Service Station Cabramatta	168 John STREET	Service Station	Regulation under CLM Act not required	-33.89422314	150.9279279
CABRAMATTA	Cabramatta Creek	17 A and 19A Liverpool Street STREET	Unclassified	Regulation under CLM Act not required	-33.90282	150.941563
CABRAMATTA WEST	BP Lansvale	115-119 Hume HIGHWAY	Service Station	Under assessment	-33.894709	150.960511
CALGA	Former service station	101 Peats Ridge ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.37592138	151.2254951
CALLALA BEACH	Callala Beach General Store	(formerly 1 Quay Rd) 114A Quay ROAD	Service Station	Regulation under CLM Act not required	-35.0101817	150.6964322
CAMBRIDGE GARDENS	Caltex Cambridge Park	1 Boomerang PLACE	Service Station	Regulation under CLM Act not required	-33.74068794	150.717174
CAMDEN	Camden High School (former)	John STREET	Gasworks	Regulation under CLM Act not required	-34.05114079	150.6951285
CAMDEN	Caltex Camden Service Station	21 Barsden STREET	Service Station	Regulation under CLM Act not required	-34.05808413	150.6914744
CAMDEN SOUTH	Coles Express Service Station Camden South	273 Old Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-34.08660995	150.6945444
CAMELLIA	Hymix Concrete	14 Grand AVENUE	Metal Industry	Contamination currently regulated under CLM Act	-33.82243454	151.044789
CAMELLIA	Mauri Foods	15 Grand AVENUE	Other Industry	Regulation being finalised	-33.81996985	151.0335725
CAMELLIA	James Hardie Factory (former, eastern portion)	1 Grand AVENUE	Other Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.8182384	151.0261019
CAMELLIA	Bitumen Manufacturer	12 Grand AVENUE	Other Industry	Contamination currently regulated under CLM Act	-33.82189695	151.0429251
CAMELLIA	Hambear	14 Thackeray STREET	Metal Industry	Regulation under CLM Act not required	-33.81920482	151.0419394
CAMELLIA	Former Asciano Properties	39 Grand AVENUE	Chemical Industry	Contamination currently regulated under CLM Act	-33.82056014	151.0443331

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CAMELLIA	Railway Land	27 Grand AVENUE	Other Industry	Regulation under CLM Act not required	-33.81910822	151.0382483
CAMELLIA	Wrigg	13 Grand AVENUE	Metal Industry	Under preliminary investigation order	-33.81971361	151.0321525
CAMELLIA	Former Akzo Nobel site	6 Grand AVENUE	Chemical Industry	Contamination currently regulated under CLM Act	-33.82238826	151.0319264
CAMELLIA	Former Shell Clyde Refinery	Durham STREET	Other Industry	Contamination currently regulated under POEO Act	-33.82804924	151.0378966
CAMELLIA	Council Reserve	11B Grand AVENUE	Metal Industry	Regulation under CLM Act not required	-33.81850502	151.0302425
CAMELLIA	Veolia	37 Grand AVENUE	Chemical Industry	Contamination currently regulated under CLM Act	-33.81980027	151.0430689
CAMELLIA	Sydney Water	41 Grand AVENUE	Chemical Industry	Contamination formerly regulated under the CLM Act	-33.8217493	151.0453367
CAMELLIA	Maritime Services Board	33A Grand AVENUE	Metal Industry	Regulation under CLM Act not required	-33.81836086	151.0401249
CAMMERAY	Tunks Park	Brothers AVENUE	Landfill	Contamination formerly regulated under the CLM Act	-33.81734704	151.2113338
CAMMERAY	Coles Express Cammeray	477-483 Miller STREET	Service Station	Regulation under CLM Act not required	-33.82141124	151.2108658
CAMPBELLTOWN	Mobil Service Station	96-98 Queen STREET	Service Station	Regulation under CLM Act not required	-34.06407588	150.8170082
CAMPBELLTOWN	BP Macarthur Service Station	Cnr Blaxland ROAD and Campbelltown ROAD	Service Station	Regulation under CLM Act not required	-34.05312872	150.8234349
CAMPBELLTOWN	Former vehicle wrecking yard	38 Blaxland ROAD	Other Industry	Regulation under CLM Act not required	-34.06055735	150.8130598
CAMPERDOWN	Former Gee Graphics	27 Church STREET	Other Industry	Regulation under CLM Act not required	-33.88737747	151.1773616
CAMPERDOWN	O'Dea Reserve	Salisbury LANE	Landfill	Contamination formerly regulated under the CLM Act	-33.89072786	151.1736948

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CAMPERDOWN	The Spruce	12-14 Marsden STREET	Other Industry	Regulation under CLM Act not required	-33.88720632	151.1784514
CAMPSIE	Budget Petroleum and adjacent property	403 Canterbury Road and 1 Una STREET	Service Station	Contamination currently regulated under CLM Act	-33.91605617	151.1086596
CAMPSIE	Former Sunbeam factory	60 Charlotte STREET	Other Industry	Contamination formerly regulated under the CLM Act	-33.92254225	151.1025796
CANLEY HEIGHTS	Former Caltex Canley Heights	368 Canley Vale ROAD	Service Station	Regulation under CLM Act not required	-33.88271081	150.9154176
CANLEY HEIGHTS	Caltex Canley Heights Service Station	280-286 Canley Vale ROAD	Service Station	Regulation under CLM Act not required	-33.88393501	150.9241656
CANLEY VALE	Coles Express Lansvale	99 Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-33.89295753	150.9606136
CANLEY VALE	Former Mobil Service Station	96 Canley Vale ROAD	Service Station	Regulation under CLM Act not required	-33.88591573	150.9369801
CANOWINDRA	BP-branded Jasbe Service Station	76 Rodd STREET	Service Station	Regulation under CLM Act not required	-33.56131773	148.6682805
CANTERBURY	Metro Petroleum Service Station	13-19 Canterbury ROAD	Service Station	Contamination currently regulated under CLM Act	-33.90783455	151.125207
CARDIFF	7-Eleven Service Station	399 Main ROAD	Service Station	Regulation under CLM Act not required	-32.93391137	151.6562111
CARDIFF	Former Caltex Service Station	367 Main ROAD	Service Station	Regulation under CLM Act not required	-32.93761223	151.6577781
CARDIFF	Maneela Oval	Main ROAD	Other Industry	Regulation under CLM Act not required	-32.93018443	151.6435559
CARDIFF	Former Mobil Depot	7 Ranton STREET	Other Petroleum	Regulation under CLM Act not required	-32.94516764	151.6470387
CARDIFF	BP Service Station (Reliance Petroleum)	Corner Sturt and Main ROADS	Service Station	Regulation under CLM Act not required	-32.93792229	151.6569905
CARDIFF	Woolworths (former Mobil) Cardiff Service Station	43 Macquarie ROAD	Service Station	Regulation under CLM Act not required	-32.94118246	151.6578195

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CARINGBAH	Adjacent to Spirent Australia	101-103 Cawarra ROAD	Other Industry	Contamination formerly regulated under the CLM Act	-34.03360747	151.1245577
CARINGBAH	Former Consumer Health Products Manufacturer	32-40 Cawarra ROAD	Other Industry	Regulation under CLM Act not required	-34.03024369	151.1277755
CARINGBAH	Caltex Lilli Pilli Service Station	477-481 Port Hacking ROAD	Service Station	Regulation under CLM Act not required	-34.05243807	151.1216353
CARINGBAH	7-Eleven Service Station	367 The KINGSWAY	Service Station	Regulation under CLM Act not required	-34.03948677	151.1203268
CARINGBAH	Spirent Australia	105 Cawarra ROAD	Other Industry	Contamination formerly regulated under the CLM Act	-34.03425343	151.1245092
CARINGBAH	BP Service Station Caringbah	54 Captain Cook DRIVE	Service Station	Regulation under CLM Act not required	-34.032986	151.1250656
CARLINGFORD	Caltex Service Station Carlingford	131 Pennant Hills ROAD	Service Station	Regulation under CLM Act not required	-33.78762398	151.0279422
CARLINGFORD	Caltex Service Station	797 Pennant Hills ROAD	Service Station	Regulation under CLM Act not required	-33.7757819	151.0516532
CARLTON	Shell Coles Express Service Station	277 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-33.9748579	151.1272732
CARRINGTON	Commercial Metals Company (CMC) Australia Pty Ltd	117-121 Bourke STREET	Other Industry	Regulation under CLM Act not required	-32.9148832	151.7677193
CARRINGTON	Carrington redevelopment site	11 Howden STREET	Other Industry	Regulation under CLM Act not required	-32.91309509	151.7625341
CARRINGTON	Forgacs Dockyard	81 Denison STREET	Other Industry	Regulation under CLM Act not required	-32.9207441	151.764816
CARRINGTON	NAT vacant land	Bourke STREET	Unclassified	Regulation under CLM Act not required	-32.91276029	151.7685894
CARRINGTON	Dyke Point Containment Cell	Dyke ROAD	Other Industry	Regulation under CLM Act not required	-32.91763422	151.7727101
CARRINGTON	Carrington Coal Tar Pavements	Bourke Street to Dyke ROAD	Other Industry	Regulation under CLM Act not required	-32.91441348	151.770271

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CARRINGTON	Pasminco Ship Loader	Dyke Berth 2 (off Bourke Street) OTHER	Metal Industry	Regulation under CLM Act not required	-32.9148698	151.7716837
CARSS PARK	Vacant Property	334 Princes HIGHWAY	Other Industry	Regulation under CLM Act not required	-33.98628486	151.1133908
CARWELL	Cement Australia Carwell Creek Quarries	Quarry ROAD	Other Industry	Regulation under CLM Act not required	-32.85570277	149.9170908
CASINO	Caltex Service Station and Depot Casino	28 & 32 Dyraaba STREET	Service Station	Regulation under CLM Act not required	-28.85488567	153.044806
CASINO	Caltex Service Station	96 Centre STREET	Service Station	Regulation under CLM Act not required	-28.86539567	153.0450654
CASINO	Former Gasworks	134-136 North STREET	Gasworks	Regulation under CLM Act not required	-28.86080712	153.0526043
CASINO	Woolworths Service Station Casino	130 Canterbury STREET	Service Station	Regulation under CLM Act not required	-28.86231341	153.0464642
CASINO	18 Beith Street, Casino	18 Beith STREET	Unclassified	Regulation under CLM Act not required	-28.84951426	153.0446585
CASINO	Corner Store	30 Barker STREET	Service Station	Regulation under CLM Act not required	-28.86316792	153.0389124
CASINO	Casino Roadhouse	86 Johnston STREET	Service Station	Contamination currently regulated under CLM Act	-28.85960698	153.0562429
CASULA	Caltex Casula Service Station	646 Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-33.95641262	150.8934783
CATHERINE HILL BAY	Catherine Hill Bay Coal Handling and Preparation Plant	1A Keene STREET	Other Industry	Regulation under CLM Act not required	-33.16120556	151.6302456
CESSNOCK	Caltex Cessnock Service Station	103-105 Wollombi (Cnr James Street) ROAD	Service Station	Regulation under CLM Act not required	-32.83936243	151.3430078
CESSNOCK	Former Mobil Service Station	102 Wollombi ROAD	Service Station	Regulation under CLM Act not required	-32.83844074	151.3436022
CESSNOCK	Former Service Station	2-4 Allandale ROAD	Service Station	Regulation under CLM Act not required	-32.83118911	151.3560677

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CHARBON	Charbon Colliery	Charbon ROAD	Other Industry	Regulation under CLM Act not required	-32.92390131	149.9839098
CHARLESTOWN	7-Eleven Charlestown	273 Charlestown ROAD	Service Station	Regulation under CLM Act not required	-32.95802555	151.6897931
CHARLESTOWN	Caltex Service Station	81 Pacific HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-32.96708479	151.6955919
CHARLESTOWN	Caltex Woolworths (Former BP)	91-93 Pacific HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-32.96633569	151.6959051
CHARLESTOWN	Ausgrid Powell Street Depot	8 Powell STREET	Other Industry	Regulation under CLM Act not required	-32.95912375	151.6944136
CHARMHAVEN	Caltex Charmhaven Service Station	13-15 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.21655768	151.5091452
CHATSWOOD	Former Caltex Chatswood Service Station	607 Pacific HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-33.80396472	151.1795766
CHATSWOOD	Woolworths Chatswood	364-366 Eastern Valley WAY	Service Station	Regulation under CLM Act not required	-33.78667419	151.2010828
CHATSWOOD	Caltex Service Station Chatswood	572 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.80381271	151.1789656
CHATSWOOD	Auto Repairs	2 Devonshire STREET	Service Station	Regulation under CLM Act not required	-33.8015482	151.1859632
CHATSWOOD	Coles Express Service Station Chatswood	877-879 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.79182176	151.1804867
CHATSWOOD WEST	Chatswood Toyota	728 Pacific HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-33.79654247	151.1776136
CHERRYBROOK	Caltex Service Station	67 Shepherds DRIVE	Service Station	Regulation under CLM Act not required	-33.72069183	151.0451415
CHESTER HILL	Former Orica, Chester Hill	127 Orchard ROAD	Chemical Industry	Contamination formerly regulated under the CLM Act	-33.8869823	150.9952873
CHIPPENDALE	Frasers Development	Wellington STREET	Chemical Industry	Under preliminary investigation order	-33.88669108	151.2015805

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CHIPPING NORTON	Former Solchem (Mobil) Depot Chipping Norton	49-51 Riverside ROAD	Other Petroleum	Regulation under CLM Act not required	-33.91621314	150.9696948
CHIPPING NORTON	Former ACR	85-107 Alfred STREET	Chemical Industry	Contamination currently regulated under CLM Act	-33.92226795	150.9586496
CHISWICK	Former Sydney Wiremills (BHP) site	Blackwall Point ROAD	Other Industry	Regulation under CLM Act not required	-33.85131849	151.1369131
CHITTAWAY BAY	Former Caltex Chittaway Point	100 Chittaway ROAD	Service Station	Regulation under CLM Act not required	-33.32707555	151.4293546
CHULLORA	Chullora Railway Workshops	Worth STREET	Other Industry	Regulation under CLM Act not required	-33.88639388	151.0598201
CLARENCE	Clarence Colliery	Chifley ROAD	Other Industry	Regulation under CLM Act not required	-33.46450217	150.2522729
CLARENDON	Coles Express Clarendon Service Station	244 Hawkesbury Valley WAY	Service Station	Regulation under CLM Act not required	-33.6083729	150.7890956
CLEARFIELD	Former Pamplings Dip Site	Off Clearfield ROAD	Cattle Dip	Regulation under CLM Act not required	-29.16287185	152.882974
CLYBUCCA	BP Service Station	2171 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-30.93845014	152.9422791
CLYDE	7-Eleven Clyde	3 Parramatta Road, corner Harbord STREET	Service Station	Regulation under CLM Act not required	-33.83494433	151.0222628
COBAR	Former Caltex (Bogas) Service Station Cobar	56-58 Marshall STREET	Service Station	Regulation under CLM Act not required	-31.49793339	145.8346684
COBAR	Mckinnons Gold Mine	Cobar ROAD	Metal Industry	Regulation under CLM Act not required	-31.78179755	145.693
COBAR	Caltex Service Station Cobar	99 Marshall (formerly Cnr Barrier Highway and Bathurst Street) STREET	Service Station	Regulation under CLM Act not required	-31.49631924	145.8275727
COBAR	Caltex Service Station	Lot 10 Railway PARADE	Service Station	Regulation under CLM Act not required	-31.49350124	145.8442372
COFFS HARBOUR	BP Service Station	134-136 Pacific HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-30.29187037	153.1182106

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
COFFS HARBOUR	Dan Murphy's Coffs Harbour	10 Elbow STREET	Service Station	Regulation under CLM Act not required	-30.29439262	153.115069
COFFS HARBOUR	Mobil Service Station	314-316 Harbour DRIVE	Service Station	Contamination formerly regulated under the CLM Act	-30.3056983	153.131966
COFFS HARBOUR	Mobil Coffs Harbour Airport	Aviation DRIVE	Other Petroleum	Contamination formerly regulated under the CLM Act	-30.313385	153.1175018
COFFS HARBOUR	Woolworths Petrol	Park Beach Plaza, Arthur STREET	Service Station	Regulation under CLM Act not required	-30.28101154	153.132027
COFFS HARBOUR	Caltex Service Station	157 Orlando STREET	Service Station	Regulation under CLM Act not required	-30.28975334	153.1306354
COFFS HARBOUR	Coffs Harbour Slipway	38 Marina DRIVE	Other Industry	Regulation under CLM Act not required	-30.30325637	153.1441437
COFFS HARBOUR	Aussitel Backpackers Hostel	312 Harbour DRIVE	Service Station	Contamination formerly regulated under the CLM Act	-30.30585731	153.131645
COLEAMBALLY	Former Mobil Coleambally Depot	19 Bencubbin AVENUE	Other Petroleum	Regulation under CLM Act not required	-34.80279552	145.8945239
COLLARENEBRI	Former Shell Depot	Corner Narran Street and Queen STREET	Other Petroleum	Regulation under CLM Act not required	-29.54114772	148.5789365
COLONGRA	Munmorah Colliery	Scenic DRIVE	Other Industry	Regulation under CLM Act not required	-33.21297737	151.5416882
COLONGRA	Endeavour Colliery	Scenic DRIVE	Other Industry	Regulation under CLM Act not required	-33.21297737	151.5416882
COLYTON	Coles Express (former Ampol) Service Station	86-88 Great Western HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-33.77552363	150.7953105
CONCORD	Caltex Service Station	89 Parramatta ROAD	Service Station	Regulation under CLM Act not required	-33.86785624	151.0993769
CONCORD WEST	Caltex Service Station	369-375 Concord ROAD	Service Station	Regulation under CLM Act not required	-33.84113835	151.0888843
CONDOBOLIN	BP-Branded Service Station	38 Denison Street, corner Molong STREET	Service Station	Regulation under CLM Act not required	-33.08520378	147.1524976

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CONDOBOLIN	Former Mobil Depot	6 Burnett STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-33.08010515	147.1642972
CONDOBOLIN	Former Ampol Depot	Cnr Parkes Road and Goobang STREET	Service Station	Regulation under CLM Act not required	-33.08034753	147.1642436
CONDOBOLIN	Former Caltex Depot	Parkes ROAD	Service Station	Regulation under CLM Act not required	-33.08255593	147.1585922
CONDOBOLIN	Mobil Condobolin Depot Railway Siding	Railway Siding behind 6 Burnett STREET	Other Petroleum	Regulation under CLM Act not required	-33.08058612	147.164225
CONSTITUTION HILL	Sydney Water Land	Caloola ROAD	Unclassified	Regulation under CLM Act not required	-33.79776636	150.9697715
COOGEE	Caltex Coogee Service Station	146-148 Coogee Bay Road, corner Mount STREET	Service Station	Regulation under CLM Act not required	-33.91989232	151.2517454
COOKS HILL	Former Council Depot Cooks Hill	152 Bruce Street and 115 Corlette STREET	Other Industry	Regulation under CLM Act not required	-32.93525537	151.7641074
COOLAC	Coolac Service Station	Corner Hume Highway and Coleman STREET	Service Station	Regulation under CLM Act not required	-34.95435052	148.1595525
COOLAH	BP Depot (Reliance Petroleum)	72 (formerly 17-23) Cunningham STREET	Other Petroleum	Regulation under CLM Act not required	-31.82275896	149.7243171
COOLONGOLOOK	Caltex Service Station	Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-32.21648325	152.322813
COOMA	Caltex Cooma Service Station	44 Sharp Street, corner Baron STREET	Service Station	Regulation under CLM Act not required	-36.23323489	149.1304134
COOMA	Former Mobil Cooma Depot	2 Commissioner STREET	Other Petroleum	Regulation under CLM Act not required	-36.23266081	149.1346674
COOMA	Former Caltex Cooma Depot	2 Short STREET	Service Station	Regulation under CLM Act not required	-36.2338672	149.1348862
COOMA	Lowes Petroleum Cooma Depot and Service Station (Former BP Reliance Petroleum)	2-4 Sharp STREET	Other Petroleum	Regulation under CLM Act not required	-36.22819468	149.1357696
COOMA	Woolworths Caltex Cooma Service Station	Bombala Street Cnr Massie STREET	Service Station	Regulation under CLM Act not required	-36.23364626	149.1267469

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
COOMA	Former Shell Depot	48-50 Bradley STREET	Other Petroleum	Regulation under CLM Act not required	-36.23448955	149.1347987
COOMA	Former Shell Service Station	48-52 Sharp STREET	Service Station	Contamination formerly regulated under the CLM Act	-36.23350402	149.1299514
COONABARABRAN	Former Mobil Depot	49 Cowper STREET	Other Petroleum	Regulation under CLM Act not required	-31.27096226	149.2818461
COONABARABRAN	Shell Coles Express Service Station	2-6 John STREET	Service Station	Regulation under CLM Act not required	-31.27706775	149.27836
COONABARABRAN	Former Shell Coonabarabran CVRO	Corner Cowper St and Dawson St, formerly 51 Cowper STREET	Other Petroleum	Regulation under CLM Act not required	-31.27003745	149.281788
COONABARABRAN	Caltex Service Station	Cnr Dawson & Drummond STREET	Service Station	Regulation under CLM Act not required	-31.26994941	149.28183
COONABARABRAN	Caltex Service Station	85-87 John STREET	Service Station	Regulation under CLM Act not required	-31.27231215	149.2771297
COONAMBLE	Former Shell Coonamble Depot	Corner Aberford Street and Quambone ROAD	Other Petroleum	Regulation under CLM Act not required	-30.95349182	148.3793432
COONAMBLE	Caltex Service Station	Quambone ROAD	Service Station	Regulation under CLM Act not required	-30.95410067	148.3792167
COORANBONG	Former Poultry Farm - 91 Alton Road, Cooranbong	64 - 98 Alton ROAD	Unclassified	Regulation under CLM Act not required	-33.06860138	151.4512156
COORANBONG	Avondale Auto Centre	677 Freemans DRIVE	Service Station	Regulation under CLM Act not required	-33.06968809	151.4636293
COOTAMUNDRA	Former BP Depot	1-5 Murray STREET	Other Petroleum	Regulation under CLM Act not required	-34.62915841	148.0306962
COOTAMUNDRA	Caltex Service Station	26-34 Hovell STREET	Service Station	Regulation under CLM Act not required	-34.63624703	148.0347479
COOTAMUNDRA	Former Caltex Depot	219 Sutton STREET	Other Petroleum	Regulation under CLM Act not required	-34.65126548	148.0145283
COOTAMUNDRA	Former Ampol Service Station	72 Parker STREET	Service Station	Regulation under CLM Act not required	-34.63471008	148.0296112

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
COOTAMUNDRA	Cootamundra Gasworks	140-146 Hovell STREET	Gasworks	Contamination currently regulated under CLM Act	-34.64572841	148.0255049
COOTAMUNDRA	Former Amoco Depot	68-72 Hovell STREET	Other Petroleum	Contamination currently regulated under CLM Act	-34.63871124	148.0321134
COOTAMUNDRA	Former Ampol Cootamundra Rail Siding	Back Brawlin ROAD	Other Petroleum	Regulation under CLM Act not required	-34.65326425	148.0143068
CORAMBA	Martin Street	End of Martin Street and adjacent car park OTHER	Service Station	Ongoing maintenance required to manage residual contamination (CLM Act)	-30.22125208	153.0156997
CORNWALLIS	532 Cornwallis Road, Cornwallis	532 Cornwallis ROAD	Other Industry	Regulation under CLM Act not required	-33.57473895	150.7792839
COROWA	Corowa Shire Council Works Depot	24 Poseidon ROAD	Other Petroleum	Regulation under CLM Act not required	-35.98807923	146.3652266
COROWA	Former Ampol Corowa	10 Bow STREET	Service Station	Regulation under CLM Act not required	-35.99364786	146.3901259
COROWA	Cignall Corowa	280 Hume STREET	Service Station	Under preliminary investigation order	-36.00996015	146.3760437
CORRIMAL	Woolworths Petrol - Corrimal	275 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.37527426	150.8962637
CORRIMAL	7-Eleven Corrimal	138-146 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.36986818	150.8978241
COWRA	Landmark Fertiliser Storage Facility	Corner Young Road & Waratah STREET	Chemical Industry	Regulation under CLM Act not required	-33.84321832	148.6722578
COWRA	Lowes Petroleum (former BP Cowra Depot)	12 Campbell STREET	Other Petroleum	Regulation under CLM Act not required	-33.83803706	148.6977873
COWRA	Former Gasworks	30 Brougham STREET	Gasworks	Contamination currently regulated under CLM Act	-33.8389659	148.6963482
COWRA	Shell Depot	34 Brougham STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-33.83932421	148.6976295
CRANGAN BAY	Big T Roadhouse	555 and 565 Pacific HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-33.17326538	151.6083864

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CREMORNE	Shell Coles Express Service Station	225 Military ROAD	Service Station	Regulation under CLM Act not required	-33.83063306	151.226223
CRESTWOOD	Former Caltex Depot Queanbeyan	36 Kendall (Cnr Stephens Rd) AVENUE	Other Petroleum	Regulation under CLM Act not required	-35.34615546	149.207807
CRESTWOOD	Former BP Queanbeyan	64 Uriarra ROAD	Service Station	Regulation under CLM Act not required	-35.34646177	149.2246263
CRONULLA	Breen Holdings	Bate Bay ROAD	Other Industry	Regulation under CLM Act not required	-34.03861737	151.1614114
CROWS NEST	Caltex Service Station	111-121 Falcon STREET	Service Station	Regulation under CLM Act not required	-33.82868236	151.2060317
CROYDON	Caltex Service Station	404-410 Liverpool ROAD	Service Station	Regulation under CLM Act not required	-33.88853994	151.115879
CROYDON	BP Ashfield	584 Parramatta ROAD	Service Station	Regulation under CLM Act not required	-33.87399409	151.1267296
CROYDON PARK	Mobil Service Station	334 Georges River ROAD	Service Station	Regulation under CLM Act not required	-33.89771626	151.0999194
CULCAIRN	Caltex Service Station	2883 Olympic HIGHWAY	Service Station	Regulation under CLM Act not required	-35.67441635	147.0356845
CULLEN BULLEN	Baal Bone Colliery	Castlereagh HIGHWAY	Other Industry	Regulation under CLM Act not required	-33.27193875	150.0587194
CUNDLETOWN	Caltex Service Station (1 Manning River Drive)	Old Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-31.89329598	152.5068225
CURL CURL	John Fisher Park	Corner Harbord and Abbott ROADS	Landfill	Regulation under CLM Act not required	-33.76622613	151.2860705
DACEYVILLE	Astrolabe Park	Cook AVENUE	Landfill	Regulation under CLM Act not required	-33.92963704	151.221773
DAPTO	RailCorp Dapto	(Rear of property) 12-14 Hamilton STREET	Other Industry	Regulation under CLM Act not required	-34.50045405	150.787353
DAPTO	Nicheinvest Pty Ltd (Former service station)	133-139 Lakelands DRIVE	Service Station	Regulation under CLM Act not required	-34.503254	150.803211

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
DARLINGHURST	Proposed Retail Unit	139-155 Palmer STREET	Unclassified	Regulation under CLM Act not required	-33.87504688	151.2168106
DARLINGHURST	Cross City Tunnel	Riley Street and William STREET	Service Station	Contamination was addressed via the planning process (EP&A Act)	-33.87424636	151.2158305
DARLINGHURST	18-28 Neild Avenue, Darlinghurst	18-28 Neild AVENUE	Landfill	Regulation under CLM Act not required	-33.87876581	151.2276546
DEE WHY	United Dee Why	148 Pacific Parade STREET	Service Station	Contamination currently regulated under POEO Act	-33.75569207	151.2959451
DEE WHY	Caltex Service Station	793-797 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.74566596	151.2920719
DEE WHY	Dee Why Town Centre	Pittwater ROAD	Other Industry	Regulation under CLM Act not required	-33.753169	151.2875805
DEE WHY	Roche Products Dee Why Facility	Inman ROAD	Other Industry	Contamination currently regulated under CLM Act	-33.73834964	151.2876392
DENHAM COURT	Denham Court Caravan Park and Service Station	505 Campbelltown ROAD	Service Station	Regulation being finalised	-33.98208395	150.8459471
DENILIQUIN	Shell Coles Express Service Station	336 Victoria STREET	Service Station	Contamination formerly regulated under the CLM Act	-35.52373613	144.9807345
DENILIQUIN	Former Deniliquin Gasworks	365, 369 and 329-331 George and 380 and 386 Charlotte STREET	Gasworks	Under assessment	-35.52663588	144.9634994
DENILIQUIN	Landmark Fertiliser Storage Facility	99-101 Davidson STREET	Chemical Industry	Regulation under CLM Act not required	-35.52534735	144.975142
DENILIQUIN	Former Deniliquin Caltex Depot	116-118 Hardinge (Cnr Wood St) STREET	Service Station	Regulation under CLM Act not required	-35.53196985	144.9544597
DENILIQUIN	BP Depot (Reliance Petroleum)	125 - 127 Hardinge STREET	Service Station	Regulation under CLM Act not required	-35.53222124	144.9517397
DENILIQUIN	Former Shell Depot	143-147 Napier STREET	Other Petroleum	Regulation under CLM Act not required	-35.5342355	144.953169
DENMAN	Former Industrial Site	10 Fontana WAY	Metal Industry	Regulation under CLM Act not required	-32.37945456	150.6868239

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
DENMAN	Former Industrial Site	9 Fontana WAY	Metal Industry	Regulation under CLM Act not required	-32.37911159	150.6869866
DORA CREEK	Former Service Station	4 Doree PLACE	Service Station	Regulation under CLM Act not required	-33.08452746	151.502415
DOYALSON	Part Lot 3 DP 259306	Off David STREET	Other Industry	Regulation under CLM Act not required	-33.20436131	151.5232558
DOYALSON	Munmorah Power Station	(Central Coast Highway) Scenic DRIVE	Unclassified	Regulation under CLM Act not required	-33.20678347	151.540795
DOYALSON	Mannering Colliery (formerly Wyee)	Rutleys ROAD	Other Industry	Regulation under CLM Act not required	-33.17179576	151.5419248
DOYALSON NORTH	Caltex Service Station	235 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.18501024	151.5526114
DOYALSON NORTH	Shell Coles Express Service Station	260-270 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.18636608	151.5482399
DRUMMOYNE	Coles Express Service Station Drummoyne (Eastbound)	36-46 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.85576628	151.1593519
DRUMMOYNE	Former Dry Cleaners	225 Victoria ROAD	Chemical Industry	Regulation under CLM Act not required	-33.8507152	151.1537113
DRUMMOYNE	Coles Express Service Station Drummoyne South (Westbound)	39-45 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.85606575	151.1589061
DRUMMOYNE	Caltex Service Station	191-195 Lyons ROAD	Service Station	Regulation under CLM Act not required	-33.85699216	151.1460356
DUBBO	BP Reliance Petroleum Service Station (Former Mobil Depot)	107 Erskine STREET	Other Petroleum	Regulation under CLM Act not required	-32.24441287	148.6111704
DUBBO	Dubbo Police Station	143 Brisbane STREET	Other Petroleum	Regulation under CLM Act not required	-32.24652288	148.6034702
DUBBO	Shell Coles Express Service Station	131-133 Cobra STREET	Service Station	Regulation under CLM Act not required	-32.25511317	148.6126147
DUBBO	Shell Coles Express Service Station	45-49 Whylandra STREET	Service Station	Regulation under CLM Act not required	-32.2474598	148.5932769

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
DUBBO	Former Mobil depot	40-44 Morgan STREET	Other Petroleum	Regulation under CLM Act not required	-32.23912277	148.6182711
DUBBO	Caltex Service Station, Dubbo	60 Windsor PARADE	Service Station	Regulation under CLM Act not required	-32.25459322	148.6318
DUBBO	BP-Branded Service Station Dubbo West	51-63 Whylandra STREET	Service Station	Regulation under CLM Act not required	-32.24827657	148.5927084
DUBBO	Lowes Petroleum (BP-Branded) Depot, Dubbo	105 Erskine STREET	Service Station	Regulation under CLM Act not required	-32.24423247	148.6101676
DUBBO	Inland Petroleum (Former Shell) Depot	109 Erskine STREET	Other Petroleum	Regulation under CLM Act not required	-32.24470512	148.6124108
DUBBO	Former Caltex Depot	Phillip (corner Fitzroy) STREET	Service Station	Regulation under CLM Act not required	-32.24534863	148.6150144
DUBBO	Caltex Service Station	119 Bourke STREET	Service Station	Regulation under CLM Act not required	-32.24336464	148.6091931
DUBBO	Former Ambulance Station	165 Brisbane STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-32.24850755	148.6031749
DUBBO	United (former Volume Plus) Service Station	219-223 Cobra STREET	Service Station	Regulation under CLM Act not required	-32.2565155	148.6228586
DUBBO	Caltex Service Station, Dubbo	Cnr Brisbane Street and Cobra STREET	Service Station	Contamination currently regulated under CLM Act	-32.25322183	148.603164
DULWICH HILL	Former Tyre Recapping	115-117 Constitution ROAD	Other Industry	Regulation under CLM Act not required	-33.90300876	151.1387724
DULWICH HILL	Denison Road Playground	194 Denison ROAD	Landfill	Regulation under CLM Act not required	-33.90121956	151.1404637
DUNEDOO	Former Shell Depot Dunedoo	Cnr Bolaro and Redbank STREET	Other Petroleum	Regulation under CLM Act not required	-32.01565761	149.3922418
DUNGOG	Lot 54 Common Rd	54 Common ROAD	Unclassified	Regulation under CLM Act not required	-32.39490989	151.739821
DUNGOG	Former HWC Maintenance Depot for Civil Engineering Works	86 Abelard STREET	Other Industry	Regulation under CLM Act not required	-32.40429396	151.7514073

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
DUNMORE	Equestrian Centre	71 Fig Hill LANE	Unclassified	Regulation under CLM Act not required	-34.62313393	150.8421544
DURAL	Caltex Dural Service Station	917-923 Old Northern ROAD	Service Station	Regulation under CLM Act not required	-33.68312075	151.0287519
DURAL	BP Dural Service Station	580 Old Northern ROAD	Service Station	Regulation under CLM Act not required	-33.69569985	151.0283357
DURAL	Caltex Service Station	530 Old Northern ROAD	Service Station	Regulation under CLM Act not required	-33.69348472	151.0202716
DURAL	Woolworths Service Station	532 Old Northern ROAD	Service Station	Regulation under CLM Act not required	-33.69348472	151.0202716
DURI	Duri Store	13 Railway AVENUE	Service Station	Under assessment	-31.21710021	150.8183675
EAGLE VALE	BP Service Station	Corner Eagle Vale Drive and Gould ROAD	Service Station	Regulation under CLM Act not required	-34.03128043	150.816363
EARLWOOD	RTA Land	3 Jackson PLACE	Unclassified	Contamination being managed via the planning process (EP&A Act)	-33.9272087	151.1432854
EARLWOOD	Wolli Creek Aqueduct	Unwin STREET	Unclassified	Regulation under CLM Act not required	-33.92788788	151.1480807
EARLWOOD	2, 4 & 6 Unwin Street Earlwood	2, 4 & 6 Unwin STREET	Landfill	Regulation under CLM Act not required	-33.92683423	151.1495176
EAST BALLINA	Caltex East Ballina Service Station	34 Links AVENUE	Service Station	Regulation under CLM Act not required	-28.85009113	153.5829246
EAST GOSFORD	Presbyterian Aged Care Facility	8-18 Enid CRESCENT	Landfill	Regulation under CLM Act not required	-33.4376675	151.3577947
EAST GOSFORD	Mobil Service Station	44 Victoria STREET	Service Station	Contamination formerly regulated under the CLM Act	-33.43804781	151.353303
EAST GOSFORD	Hylton Moore Park	Althrop STREET	Landfill	Contamination currently regulated under CLM Act	-33.43521607	151.3600229
EAST MAITLAND	United Service Station East Maitland	164 (also known as 250) Newcastle STREET	Service Station	Regulation under CLM Act not required	-32.75248998	151.5869338

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
EAST MAITLAND	Woolworths Caltex Green Hills	14 Mitchell DRIVE	Service Station	Regulation under CLM Act not required	-32.76182386	151.5927863
EAST MAITLAND	Former Gasworks Site	Corner Melbourne Street and Brisbane STREET	Gasworks	Regulation under CLM Act not required	-32.74939199	151.5788783
EAST MAITLAND	Caltex East Maitland Service Station	Newcastle Road, Corner William STREET	Service Station	Regulation under CLM Act not required	-32.74883712	151.5829296
EAST TAMWORTH	Caltex Service Station	350-362 Armidale ROAD	Service Station	Regulation under CLM Act not required	-31.11401974	150.9613327
EASTERN CREEK	Caltex Service Station	M4 (Eastbound) MOTORWAY	Service Station	Regulation under CLM Act not required	-33.801607	150.8857989
EASTERN CREEK	Caltex Service Station M4 Motorway Westbound	M4 (Westbound) MOTORWAY	Service Station	Regulation under CLM Act not required	-33.80255701	150.8829211
EASTERN CREEK	Fulton Hogan Industries (formerly Pioneer Road Services)	Honeycomb DRIVE	Other Industry	Regulation under CLM Act not required	-33.80231274	150.8288299
EASTGARDENS	130-150 Bunnerong Road Eastgardens	130 - 150 Bunnerong ROAD	Other Industry	Regulation under CLM Act not required	-33.94230414	151.2248138
EASTLAKES	Former Shell Rosebery service station and adjacent land	275-279 Gardeners ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.92470279	151.2100722
EASTLAKES	Eastlakes Reserve	Evans AVENUE	Service Station	Contamination formerly regulated under the CLM Act	-33.92497291	151.2102725
EASTLAKES	Budget Petroleum Eastlakes	102 Maloney STREET	Service Station	Contamination formerly regulated under the CLM Act	-33.93096702	151.2056606
EASTLAKES	Budget Petroleum Eastlakes	102 Maloney STREET	Service Station	Contamination formerly regulated under the CLM Act	-33.93120382	151.2054267
EASTLAKES	73 Gardeners Road	73 Gardeners ROAD	Unclassified	Regulation under CLM Act not required	-33.92541594	151.2182856
EASTWOOD	Former Mobil Service Station Eastwood	3-5 Trelawney (Cnr Rutledge St) STREET	Service Station	Regulation under CLM Act not required	-33.79273381	151.079584
EDEN	Caltex Service Station	159 Imlay STREET	Service Station	Regulation under CLM Act not required	-37.06324099	149.9044022

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
EDEN	Former Caltex Eden Depot	80-82 Imlay STREET	Service Station	Contamination currently regulated under CLM Act	-37.0570984	149.9038538
EDENSOR PARK	Caltex Bonnyrigg Service Station, Edensor Park	549 Elizabeth DRIVE	Service Station	Regulation under CLM Act not required	-33.88840816	150.8822609
EDENSOR PARK	7-Eleven (former Mobil) Service Station	615-621 Cowpasture Road (Cnr Elizabeth) DRIVE	Service Station	Regulation under CLM Act not required	-33.88326139	150.865591
EDGECLIFF	BP-branded (former Coles Express) Service Station	73-85A New South Head ROAD	Service Station	Regulation under CLM Act not required	-33.8769602	151.2311617
EDGEWORTH	Caltex Service Station	662 Main ROAD	Service Station	Regulation under CLM Act not required	-32.92566329	151.6278888
EDGEWORTH	Caltex-Woolworths Branded Service Station Edgeworth	738-742 Main ROAD	Service Station	Regulation under CLM Act not required	-32.92455492	151.6202897
EMERALD BEACH	Shell Coles Express Woolgoolga Service Station	1850 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-30.16450856	153.1826673
EMERTON	7-Eleven Emerton	135-137 Popondetta ROAD	Service Station	Regulation under CLM Act not required	-33.74463908	150.8102251
EMU HEIGHTS	7-Eleven Service Station	126 Old Bathurst ROAD	Service Station	Regulation under CLM Act not required	-33.74299098	150.6547098
EMU HEIGHTS	Woolworths Service Station	132 Old Bathurst ROAD	Service Station	Regulation under CLM Act not required	-33.7429739	150.6559655
EMU PLAINS	Woolworths Service Station	283 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.75371349	150.6530165
ENGADINE	Former Caltex Service Station	995 Old Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.06413459	151.0155734
ENGADINE	BP Service Station	1234 Princes HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-34.07735416	151.01121
ENGADINE	BP Branded Service Station	963 Old Princes HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-34.06428454	151.0167121
EPPING	7-Eleven (former Mobil) Service Station	246 Beecroft ROAD	Service Station	Regulation under CLM Act not required	-33.77073552	151.080581

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ERINA	Coles Express Service Station Erina	211 The Entrance ROAD	Service Station	Regulation under CLM Act not required	-33.43547804	151.3850522
ERINA	7-Eleven Erina	214 The Entrance ROAD	Service Station	Regulation under CLM Act not required	-33.43494257	151.3879511
ERINA	7-Eleven Service Station	96 The Entrance ROAD	Service Station	Regulation under CLM Act not required	-33.43786868	151.3729331
ERINA	Former Frozen Food Distribution Depot	1 Aston ROAD	Other Petroleum	Contamination currently regulated under CLM Act	-33.434878	151.3845431
ERINA	Caltex Service Station	155 The Entrance ROAD	Service Station	Regulation under CLM Act not required	-33.43824871	151.3801096
ERMINGTON	Blue Star Ermington	700 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.80859566	151.0660133
ERMINGTON	Caltex Service Station	562 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.81392814	151.0547543
ERSKINE PARK	Western Sydney Service Centre	25-55 Templar ROAD	Other Industry	Regulation under CLM Act not required	-33.81897822	150.7937394
ERSKINEVILLE	Redevelopment Site (Former Industrial Park) Erskineville	36/1A Coulson STREET	Other Industry	Regulation under CLM Act not required	-33.90325501	151.1855668
ERSKINEVILLE	Department of Housing	52 John STREET	Other Industry	Regulation under CLM Act not required	-33.8982925	151.1840284
ERSKINEVILLE	RailCorp land	Coulson STREET	Other Industry	Regulation under CLM Act not required	-33.90279502	151.1846827
ERSKINEVILLE	Lot 4/1A Coulson Street	Coulson STREET	Other Industry	Regulation under CLM Act not required	-33.90316549	151.1867963
ERSKINEVILLE	Area B - Public Domain / The Roadway	1A Coulson STREET	Other Petroleum	Regulation under CLM Act not required	-33.90479634	151.1871194
EUABALONG WEST	BP Euabalong West Depot (Reliance Petroleum)	12 Illewong STREET	Other Petroleum	Regulation under CLM Act not required	-33.05720426	146.3946386
EVANS HEAD	Evans Head Aerodrome	Memorial Airport DRIVE	Other Industry	Regulation under CLM Act not required	-29.10389976	153.4216791

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
EVANS HEAD	Bundjalung National Park	The Gap ROAD	Unclassified	Regulation under CLM Act not required	-29.24433977	153.3626472
EVANS HEAD	Evans Head Residential subdivision	Bounded by Currajong, Woodburn, Carrabeen Streets and Tuckeroo CRESCENT	Unclassified	Regulation under CLM Act not required	-29.1080969	153.4243577
EVELEIGH	Macdonaldtown Triangle	Burren STREET	Gasworks	Contamination being managed via the planning process (EP&A Act)	-33.89803492	151.186059
EVELEIGH	Australian Technology Park	Henderson ROAD	Other Industry	Regulation under CLM Act not required	-33.89634136	151.1944915
FAIRFIELD	Endeavour Energy Fairfield Zone Substation	22 Hedges STREET	Other Industry	Regulation under CLM Act not required	-33.86133019	150.9555899
FAIRFIELD EAST	Speedway-Branded Service Station Fairfield	251 The Horsley DRIVE	Service Station	Regulation under CLM Act not required	-33.8711661	150.9630077
FAIRFIELD HEIGHTS	7-Eleven Fairfield Heights	234 Hamilton (Cnr The Boulevarde) ROAD	Service Station	Regulation under CLM Act not required	-33.87208474	150.9373134
FAIRY MEADOW	Woolworths Petrol Service Station	47 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.39399705	150.8925369
FAIRY MEADOW	Caltex Fuel Depot and adjoining land	46 Montague STREET	Service Station	Contamination formerly regulated under the CLM Act	-34.40050499	150.8953125
FAIRY MEADOW	Deynal (Seeman)	51-59 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.39437085	150.8924666
FARLEY	Farley Wastewater Treatment Works	Owlpen LANE	Other Industry	Regulation under CLM Act not required	-32.74431314	151.5194217
FASSIFERN	Newstan Colliery	Fassifern ROAD	Other Industry	Regulation under CLM Act not required	-32.97942521	151.5660046
FASSIFERN	Former Arsenic Smelter	Fassifern ROAD	Other Industry	Regulation under CLM Act not required	-32.99649819	151.5618283
FEDERAL	Federal General Store	3-6 Federal DRIVE	Service Station	Contamination formerly regulated under the CLM Act	-28.65190728	153.4552976
FERN BAY	Former service station	37 Fullerton (1006 Nelson Bay Road) STREET	Service Station	Regulation under CLM Act not required	-32.87245004	151.7939904

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
FIVE DOCK	7-Eleven Five Dock Service Station	231-235 Great North ROAD	Service Station	Regulation under CLM Act not required	-33.86488376	151.130002
FIVE DOCK	Caltex Five Dock Service Station	47 Ramsay Road, corner Fairlight STREET	Service Station	Regulation under CLM Act not required	-33.87002804	151.1301835
FORBES	BP (Former Mobil) Depot Forbes	3-15 Union STREET	Other Petroleum	Regulation under CLM Act not required	-33.37751977	148.0101422
FORBES	Former Gasworks	24-26 Union STREET	Gasworks	Contamination currently regulated under CLM Act	-33.37752036	148.0090064
FORBES	Woolworths (Former Save on Fuel) Service Station	26 Dowling STREET	Service Station	Regulation under CLM Act not required	-33.38148764	148.0109845
FORBES	BP Service Station Forbes	29 Dowling STREET	Service Station	Regulation under CLM Act not required	-33.38121776	148.0100351
FORBES	Former Shell Depot	Stephen STREET	Other Petroleum	Regulation under CLM Act not required	-33.37704755	148.0103001
FORBES	Caltex Service Station Forbes	Parkes ROAD	Service Station	Regulation under CLM Act not required	-33.36333714	148.0223727
FORESTVILLE	BP Service Station	632 Warringah ROAD	Service Station	Contamination currently regulated under CLM Act	-33.75997969	151.2142944
FORESTVILLE	Shell Service Station	667 Warringah ROAD	Service Station	Regulation under CLM Act not required	-33.76035336	151.2184929
FORRESTERS BEACH	Caltex Service Station	The Entrance Rd Cnr Bellevue ROAD	Service Station	Regulation under CLM Act not required	-33.40057818	151.4687631
FORSTER	Caltex Service Station	16-18 Lake STREET	Service Station	Regulation under CLM Act not required	-32.18306967	152.5162492
FORSTER	Shell (Kneebone's) Service Station	2-6 The Lakes WAY	Service Station	Regulation under CLM Act not required	-32.1946108	152.5145662
FORSTER	Enhance (Former Mobil) Service Station	86-88 Macintosh STREET	Service Station	Regulation under CLM Act not required	-32.19079468	152.5154847
FREDERICKTON	Former Service station	2-4 Great North ROAD	Service Station	Regulation under CLM Act not required	-31.03513998	152.8794105

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
FRENCHS FOREST	Former BP Service Station	Russell AVENUE	Service Station	Regulation under CLM Act not required	-33.75018093	151.2245005
FRENCHS FOREST	Former 7-Eleven / Mobil Beacon Hill Service Station, Frenchs Forest	312 Warringah ROAD	Service Station	Regulation under CLM Act not required	-33.75129647	151.2469656
FRESHWATER	Prime Service Station Freshwater	117 Harbord ROAD	Service Station	Regulation under CLM Act not required	-33.77286748	151.2794354
GEORGETOWN	Former Caltex Service Station	4 Georgetown ROAD	Service Station	Regulation under CLM Act not required	-32.91121105	151.7319693
GERRINGONG	Gerringong Cooperative	18 Belinda STREET	Other Petroleum	Regulation under CLM Act not required	-34.74518835	150.8181054
GILGANDRA	United (Former Mobil) Service Station	13 Castlereagh STREET	Service Station	Regulation under CLM Act not required	-31.71715641	148.6581574
GILGANDRA	Former Mobil Depot	2 Federation STREET	Other Petroleum	Regulation under CLM Act not required	-31.70937362	148.6522102
GILGANDRA	Former Mobil Depot	20 Federation STREET	Other Petroleum	Regulation under CLM Act not required	-31.70771744	148.6514198
GILGANDRA	Caltex Service Station Gilgandra	6425 Newell HIGHWAY	Service Station	Regulation under CLM Act not required	-31.72545524	148.65281
GILLENBAH	Caltex (Former Mobil) Narrandera Service Station	16321 - 16335 Newell HIGHWAY	Service Station	Regulation under CLM Act not required	-34.76124219	146.5398604
GIRRAWEEN	Industrial Galvanizers site	20-22 Amax AVENUE	Metal Industry	Contamination currently regulated under POEO Act	-33.80500693	150.9396743
GIRRAWEEN	Caltex Pendle Hill Service Station Girraween	602 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.80827518	150.9421511
GLADESVILLE	Caltex Service Station	287-295 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.8285374	151.1268639
GLADESVILLE	Road Reserve	Pittwater ROAD	Other Industry	Regulation under CLM Act not required	-33.81603924	151.1355085
GLADESVILLE	Caltex Service Station	116 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.83575319	151.1277863

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
GLADESVILLE	Glade View Business Park	436-484 Victoria ROAD	Other Industry	Under assessment	-33.82382382	151.1223941
GLEBE	The Hill and Jubilee Embankment	12 Maxwell ROAD	Other Industry	Regulation under CLM Act not required	-33.87573032	151.1776027
GLEN INNES	Ambulance Station	106 Bourke STREET	Unclassified	Regulation under CLM Act not required	-29.73805854	151.7313138
GLEN INNES	Telstra Depot Glen Innes	126 Lambeth STREET	Unclassified	Regulation under CLM Act not required	-29.73565341	151.7278271
GLEN INNES	Caltex Glen Innes Service Station	Meade Street, corner Church STREET	Service Station	Regulation under CLM Act not required	-29.73699014	151.7379335
GLEN INNES	Former Shell Depot	Lambeth STREET	Other Petroleum	Regulation under CLM Act not required	-29.7376309	151.7276309
GLEN INNES	Former Caltex Depot, Glen Innes	Lot 1 DP785636 Lambeth STREET	Other Petroleum	Regulation under CLM Act not required	-29.73525485	151.7279167
GLEN INNES	Council-owned Laneway	Lot 2 Lang STREET	Gasworks	Regulation under CLM Act not required	-29.74385432	151.7323049
GLEN INNES	Caltex Service Station	Cnr Taylor Street & Church STREET	Service Station	Regulation under CLM Act not required	-29.73289036	151.739653
GLEN INNES	Caltex Glen Innes Paddock	9979 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-29.75608853	151.7344106
GLENBROOK	Caltex Service Station Glenbrook	78 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.76545234	150.6215447
GLENDALE	Coles Express Glendale	593 Main ROAD	Service Station	Regulation under CLM Act not required	-32.92709242	151.637946
GLENDALE	Settlement Pond	65 Glendale DRIVE	Unclassified	Regulation under CLM Act not required	-32.93411399	151.6483695
GLENDALE	Former Service Station	334-342 Lake ROAD	Unclassified	Regulation under CLM Act not required	-32.92775076	151.6433463
GLENDALE	Woolworths Service Station	Stockland DRIVE	Service Station	Regulation under CLM Act not required	-32.93250548	151.6404097

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
GLENDENNING	7-Eleven Plumpton Service Station Glendenning	1 Dublin Street, corner Richmond ROAD	Service Station	Regulation under CLM Act not required	-33.73988232	150.8603323
GLENORIE	Caltex Glenorie Service Station	912 Old Northern ROAD	Service Station	Regulation under CLM Act not required	-33.60550946	151.0126731
GLENTHORNE	Caltex Taree Service Station	Manning River DRIVE	Service Station	Regulation under CLM Act not required	-31.94415251	152.4703511
GLOUCESTER	Caltex Service Station	141 Church STREET	Service Station	Regulation under CLM Act not required	-32.01222514	151.9579521
GOOLMANGAR	Goolmangar General Store	851 Nimbin ROAD	Service Station	Regulation under CLM Act not required	-28.74694441	153.225401
GOONELLABAH	Former Invercauld Road Cattle Dip	161 Invercauld ROAD	Cattle Dip	Contamination formerly regulated under the CLM Act	-28.8308417	153.3098878
GOSFORD	United (former Mobil) Depot	Corner Merinee Road and Bowen CRESCENT	Other Petroleum	Regulation under CLM Act not required	-33.41523225	151.3257069
GOULBURN	Former Goulburn Gasworks	1 Blackshaw ROAD	Gasworks	Contamination currently regulated under CLM Act	-34.75237525	149.725507
GOULBURN	Goulburn Tannery	13 Gibson STREET	Other Industry	Regulation under CLM Act not required	-34.73756525	149.72059
GOULBURN	Caltex Depot	13 Sloane STREET	Other Petroleum	Regulation under CLM Act not required	-34.77423152	149.7088626
GOULBURN	Metro Goulburn Depot	23 Braidwood ROAD	Other Petroleum	Regulation under CLM Act not required	-34.76217302	149.7170897
GOULBURN	Caltex Service Station	72-74 Clinton STREET	Service Station	Regulation under CLM Act not required	-34.75728157	149.7135824
GOULBURN	Caltex Service Station	68 Goldsmith STREET	Service Station	Regulation under CLM Act not required	-34.75054432	149.7192098
GOULBURN	Former Shell Autoport Service Station	Corner Bruce Street and Lagoon STREET	Service Station	Regulation under CLM Act not required	-34.74807885	149.7266246
GOULBURN	Coles Express Service Station	90 Cowper (Corner Clinton Street) STREET	Service Station	Regulation under CLM Act not required	-34.75566648	149.7107831

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
GOULBURN	Mobil Service Station	129 Lagoon STREET	Service Station	Contamination formerly regulated under the CLM Act	-34.74618793	149.7330484
GOULBURN	Caltex Service Station	315 Auburn, corner Bradley STREET	Service Station	Regulation under CLM Act not required	-34.74942293	149.7232692
GOULBURN	Former Mobil Service Station Goulburn	422-426 Auburn STREET	Service Station	Regulation under CLM Act not required	-34.74869879	149.7229392
GRAFTON	Former General Store and Service Station Grafton	161 Turf STREET	Service Station	Regulation under CLM Act not required	-29.67412811	152.9336609
GRAFTON	Lowes Petroleum (BP-Branded) Depot, Grafton	13 Orara STREET	Other Petroleum	Regulation under CLM Act not required	-29.67016421	152.918161
GRAFTON	Former Shell Depot	2 Milton STREET	Other Petroleum	Regulation under CLM Act not required	-29.67723019	152.9205374
GRAFTON	Grafton Works Depot	26-28 Bruce STREET	Other Petroleum	Regulation under CLM Act not required	-29.67975507	152.9249357
GRAFTON	Former BP Service Station (Reliance Petroleum)	202 Queen STREET	Service Station	Regulation under CLM Act not required	-29.67645469	152.9423977
GRAFTON	Woolworths Petrol	75 - 77 Fitzroy Street Cnr of Duke STREET	Service Station	Regulation under CLM Act not required	-29.69221713	152.9343562
GRAFTON	Caltex Service Station	Corner Villiers St and Fitzroy STREET	Service Station	Regulation under CLM Act not required	-29.69296308	152.9366431
GRAFTON	BP Service Station (Reliance Petroleum)	14 Villiers (Cnr Fitzroy) STREET	Service Station	Regulation under CLM Act not required	-29.69345456	152.9373123
GRAFTON	Former Mobil Depot Grafton	2-16 Bruce STREET	Other Petroleum	Regulation under CLM Act not required	-29.68093591	152.9231289
GRAFTON	Caltex Service Station	179 Prince STREET	Service Station	Regulation under CLM Act not required	-29.68600117	152.9371093
GRANVILLE	Caltex Service Station	144 Parramatta ROAD	Service Station	Regulation under CLM Act not required	-33.83039605	151.0109216
GRANVILLE	Australand	15-17 Berry STREET	Other Industry	Regulation under CLM Act not required	-33.83600073	151.0211988

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
GRANVILLE	Woolworths Service Station Granville	158 Clyde STREET	Service Station	Regulation under CLM Act not required	-33.84623338	151.0124885
GRANVILLE	Commercial Property	2B Factory STREET	Other Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.84173556	151.0165687
GRANVILLE	Old Granville Depot	23 Elizabeth STREET	Unclassified	Regulation under CLM Act not required	-33.83765925	151.008528
GRANVILLE	7-Eleven Service Station	154-160 Parramatta ROAD	Service Station	Regulation under CLM Act not required	-33.83022685	151.0101322
GRANVILLE	A'Becketts Creek	Albert STREET	Unclassified	Under assessment	-33.82735397	151.0113643
GREENACRE	Former Plating Works	12 Claremont STREET	Unclassified	Regulation under CLM Act not required	-33.89992254	151.0386128
GREENACRE	7-Eleven (former Mobil) Service Station	301-305 Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-33.90524488	151.0419971
GREENACRE	Caltex Service Station	87 - 91 Roberts ROAD	Service Station	Regulation under CLM Act not required	-33.90461089	151.0648581
GREENACRE	Coles Greenacre	13-19 Boronia ROAD	Other Industry	Regulation under CLM Act not required	-33.9061123	151.0561759
GREENWICH	Gore Creek Reserve - Drainage Line	St Vincents ROAD	Other Industry	Regulation under CLM Act not required	-33.82888693	151.1819101
GRENFELL	Former SRA Fuel Depot	Grafton STREET	Other Petroleum	Regulation under CLM Act not required	-33.89351237	148.1560188
GRENFELL	Grenfell Gasworks	Corner Gooloogong Road & Bourke STREET	Gasworks	Regulation under CLM Act not required	-33.89006016	148.1615443
GRETA	Coles Express Greta	122 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-32.67656357	151.3872818
GRETA	redevelopment site	112-114 High STREET	Other Industry	Regulation under CLM Act not required	-32.67706709	151.3876682
GRETA	Former landfill	Hollingshed ROAD	Landfill	Regulation under CLM Act not required	-32.66705287	151.3923474

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
GREYSTANES	Metro Branded (former Mobil) Service Station	73 Ettalong ROAD	Service Station	Regulation under CLM Act not required	-33.81822648	150.9513946
GRIFFITH	Liberty Depot (former Shell CVRO) Griffith	6-10 Mackay AVENUE	Other Petroleum	Regulation under CLM Act not required	-34.2910045	146.063824
GRIFFITH	Former Murrumbidgee Irrigation Depot	55-77 Banna AVENUE	Other Industry	Regulation under CLM Act not required	-34.28858242	146.0567509
GRIFFITH	Mobil Depot - Griffith Airport	Off Rememberance DRIVE	Other Petroleum	Regulation under CLM Act not required	-34.25618872	146.0620449
GRIFFITH	Former Ampol Depot	32-34 Mackay AVENUE	Other Petroleum	Regulation under CLM Act not required	-34.2933331	146.0679503
GRIFFITH	Caltex Service Station and Depot	2-4 Mackay AVENUE	Service Station	Regulation under CLM Act not required	-34.2908766	146.0630815
GRIFFITH	Former Landmark Fertiliser Storage Facility	2-8 Jensen ROAD	Chemical Industry	Regulation under CLM Act not required	-34.29365599	146.0536413
GRIFFITH	Belford Petroleum (former Mobil) Depot	30 Banna AVENUE	Service Station	Regulation under CLM Act not required	-34.29042827	146.0595497
GRIFFITH	Former BP Service Station (Reliance Petroleum)	81 Banna AVENUE	Service Station	Regulation under CLM Act not required	-34.28851251	146.0540815
GUILDFORD	7-Eleven Service Station Guildford West	176 Fowler ROAD	Service Station	Regulation under CLM Act not required	-33.85149493	150.9722491
GULGONG	Lowes Petroleum (former BP) Depot Gulgong	6 Railway STREET	Other Petroleum	Regulation under CLM Act not required	-32.35950625	149.5461499
GULGONG	The Oval Site	Queen STREET	Unclassified	Regulation under CLM Act not required	-32.36169815	149.531075
GULMARRAD	BP Service Station Maclean	3976 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-29.48537407	153.2004311
GUMLY GUMLY	Caltex Service Station	3723 Sturt HIGHWAY	Service Station	Regulation under CLM Act not required	-35.13590309	147.4424551
GUMLY GUMLY	Brick Kiln Reserve	Eunony Bridge ROAD	Landfill	Regulation under CLM Act not required	-35.12098411	147.4196309

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
GUNDAGAI	Former Mobil Depot	98 Mount STREET	Other Petroleum	Regulation under CLM Act not required	-35.08206783	148.096221
GUNNEDAH	Caltex Service Station	21 Abbott STREET	Service Station	Regulation under CLM Act not required	-30.98021001	150.2561856
GUNNEDAH	Former Shell Depot Gunnedah	85-89 Barber STREET	Other Petroleum	Regulation under CLM Act not required	-30.97949284	150.2507401
GUNNEDAH	Mobil Gunnedah Depot	16-24 Wentworth STREET	Other Petroleum	Regulation under CLM Act not required	-30.98428725	150.260609
GUNNEDAH	BP Depot Gunnedah	103 Mathias ROAD	Other Petroleum	Contamination currently regulated under CLM Act	-30.96665001	150.2326526
GUNNEDAH	BP Service Station	Corner Conadilly Street & Henry STREET	Service Station	Contamination formerly regulated under the CLM Act	-30.98116266	150.2583066
GUNNEDAH	Mobil Service Station	341 Conadilly STREET	Service Station	Contamination formerly regulated under the CLM Act	-30.9807394	150.2578428
GUNNEDAH	Property NSW Site	35-37 Abbott STREET	Other Petroleum	Regulation under CLM Act not required	-30.9789841	150.25737
GUNNEDAH	Former Telstra Line Depot	81 Barber STREET	Other Petroleum	Regulation under CLM Act not required	-30.97933809	150.2503121
GUNNEDAH	Adjacent to Service Station	Intersection of Henry Street and Conadilly STREET	Service Station	Contamination formerly regulated under the CLM Act	-30.98072588	150.2582802
GUNNEDAH	Former Caltex Depot	61 Railway AVENUE	Other Petroleum	Contamination formerly regulated under the CLM Act	-30.97953242	150.2494457
GUNNING	Gunning Motors	56 Yass STREET	Service Station	Regulation under CLM Act not required	-34.78159326	149.2684791
GUYRA	Guyra Fourways Service Centre	87-89 Bradley STREET	Service Station	Regulation under CLM Act not required	-30.24580085	151.6701156
GUYRA	Caltex-branded Service Station	4352 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-30.20601937	151.6757291
GUYRA	StateRail land leased to Incitec	Starr ROAD	Other Industry	Regulation under CLM Act not required	-30.23157011	151.6707135

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
GWANDALAN	Metro Petroleum Gwandalan (Formerly Gwandalan Auto Care)	47 Orana ROAD	Service Station	Regulation under CLM Act not required	-33.13632941	151.5813396
GWANDALAN	Former Gwandalan Landfill	Kanangra DRIVE	Landfill	Regulation under CLM Act not required	-33.17497722	151.5917107
GYMEA	7-Eleven (former Mobil) Gymea Service Station	110 Gymea Bay ROAD	Service Station	Regulation under CLM Act not required	-34.03745848	151.0848547
GYMEA	Coles Express Kirrawee	470 Princes (Cnr The Boulevarde) HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-34.02735302	151.0845079
GYMEA	Former Shell Service Station Gymea	Gymea Bay ROAD	Service Station	Regulation under CLM Act not required	-34.04129676	151.0841328
HABERFIELD	7-Eleven Haberfield	25-35 Parramatta ROAD	Service Station	Contamination currently regulated under CLM Act	-33.88794591	151.14287
HALEKULANI	Former Halekulani Landfill	Macleay DRIVE	Landfill	Regulation under CLM Act not required	-33.21446301	151.5527625
HAMILTON	SRA Land	10 Maitland ROAD	Unclassified	Regulation under CLM Act not required	-32.91994358	151.7512417
HAMILTON	Taxi Services	116 Tudor STREET	Service Station	Contamination formerly regulated under the CLM Act	-32.92351606	151.7454742
HAMILTON	Caltex Hamilton	59-63 Tudor STREET	Service Station	Regulation under CLM Act not required	-32.92498593	151.7509313
HAMILTON	Newcastle Toyota	65 Tudor STREET	Other Petroleum	Regulation under CLM Act not required	-32.925171	151.7504048
HAMILTON	Hamilton Bus Depot	Cnr Denison Street and Gordon AVENUE	Other Petroleum	Regulation under CLM Act not required	-32.92687413	151.7501743
HAMILTON NORTH	Shell Newcastle Terminal	5 Chatham ROAD	Other Petroleum	Contamination currently regulated under CLM Act	-32.91630469	151.7408712
HAMILTON NORTH	Former Black and Decker Site	56 Clyde STREET	Metal Industry	Contamination currently regulated under CLM Act	-32.91080413	151.7358236
HAMILTON NORTH	Hamilton Gasworks	1 Chatham ROAD	Gasworks	Contamination currently regulated under CLM Act	-32.91362741	151.7406241

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
HAMILTON NORTH	Former ELMA Site	54 Clyde STREET	Other Industry	Contamination currently regulated under CLM Act	-32.91145768	151.7367691
HARBORD	Former Dry Cleaners	121 Wyndora AVENUE	Other Industry	Regulation under CLM Act not required	-33.77425321	151.2821553
HARDEN	SRA Site	31 Aurvill ROAD	Unclassified	Regulation under CLM Act not required	-34.54998656	148.3689577
HARDEN	SRA Site	51 Whitton LANE	Unclassified	Contamination formerly regulated under the CLM Act	-34.55396035	148.3713349
HARDEN	South West Fuel Harden	294 Albury STREET	Service Station	Regulation under CLM Act not required	-34.55007021	148.3513821
HAROLDS CROSS	Lot 59, Vernelly Road, Harolds Cross NSW 2622	Lot 59, Vernelly ROAD	Other Industry	Under assessment	-35.548668	149.588559
HARRIS PARK	Dalley Street Reserve	2A Dalley STREET	Other Industry	Regulation under CLM Act not required	-33.82749118	151.0097545
HARTLEY VALE	Former Shale Oil Refinery	Lot 52 Hartley Vale ROAD	Unclassified	Contamination currently regulated under CLM Act	-33.52925119	150.24216
HASTINGS POINT	Coles Express Hastings Point	99 Tweed Coast ROAD	Service Station	Regulation under CLM Act not required	-28.36914103	153.5725676
HAY	SRA Land	429, 431, 435, 437 & 439 Murray STREET	Other Industry	Regulation under CLM Act not required	-34.49965611	144.840976
HAY	SRA Land	443 Murray STREET	Other Industry	Contamination formerly regulated under the CLM Act	-34.49966753	144.8410778
HAY	Former Shell Hay Depot	391 Murray STREET	Other Petroleum	Regulation under CLM Act not required	-34.50028195	144.8463999
HAY	Former Mobil Depot Hay	397-399 Murray STREET	Other Petroleum	Regulation under CLM Act not required	-34.50019184	144.8456578
HAY SOUTH	Caltex Service Station	429-431 Moama STREET	Service Station	Regulation under CLM Act not required	-34.52001427	144.8380121
HAZELBROOK	Caltex Service Station Hazelbrook	198 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.72106175	150.4520976

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
HEATHCOTE	Caltex Service Station	1344 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.08841066	151.0072048
HEATHCOTE	Caltex Service Station	1403 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.09059834	151.003752
HEATHCOTE	Shell Coles Express Service Station	1355 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.08780042	151.0069741
HEATHERBRAE	Bogas (Former Caltex) Service Station	3 Speedy Lock LANE	Service Station	Regulation under CLM Act not required	-32.78057822	151.7372135
HEATHERBRAE	Shell Coles Express Motto Farm Service Station	2137 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-32.79835449	151.7176284
HEXHAM	QR National - Hexham Precinct	179 & 3/67 Maitland ROAD	Other Industry	Regulation under CLM Act not required	-32.83474038	151.6821895
HEXHAM	Caltex Diesel Stop	360 Maitland ROAD	Service Station	Regulation under CLM Act not required	-32.82844873	151.6851063
HEXHAM	Cummins Newcastle Facility Hexham	21 Galleghan STREET	Other Industry	Regulation under CLM Act not required	-32.83186739	151.686709
HEXHAM	BP Service Station (Reliance Petroleum)	Corner Pacific Highway and Old Maitland ROAD	Service Station	Regulation under CLM Act not required	-32.82756403	151.6846929
HEXHAM	Former Forgacs Site	21 Sparke STREET	Chemical Industry	Contamination currently regulated under CLM Act	-32.85464558	151.6988053
HEXHAM	Caltex-Bogas Warehouse	239 Old Maitland ROAD	Service Station	Regulation under CLM Act not required	-32.82899942	151.6861849
HEXHAM	Industrial Galvanizers	312 Pacific HIGHWAY	Metal Industry	Contamination currently regulated under POEO Act	-32.83457186	151.6884941
HEXHAM	14 Sparke St Hexham	14 Sparke STREET	Metal Industry	Under assessment	-32.85394328	151.6960863
HILLSTON	Former BP Depot Hillston	141-143 Cowper STREET	Other Petroleum	Regulation under CLM Act not required	-33.48823546	145.5381623
HOLBROOK	Caltex Truckstop	Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-35.71332625	147.3207237

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
HOMEBUSH	Ausgrid Mason Park Substation	1 Underwood ROAD	Other Industry	Regulation under CLM Act not required	-33.85674677	151.0747044
HOMEBUSH BAY	SUEZ Waste Recycling Centre (WRC) and Cleanaway Liquid Waste Treatment Plant (LWTP)	Corner Pondage Link and Hill ROAD	Landfill	Regulation under CLM Act not required	-33.84359299	151.0593656
HOMEBUSH WEST	Caltex Service Station Homebush West	334-336 Parramatta ROAD	Service Station	Regulation under CLM Act not required	-33.8581543	151.0681261
HOMEBUSH WEST	Former Ford Landfill	22 Mandemar AVENUE	Landfill	Under preliminary investigation order	-33.86180526	151.0635664
HORNSBY	Midas Car Care Centre Hornsby	2A Linda STREET	Other Industry	Regulation under CLM Act not required	-33.70052215	151.1004786
HORNSBY	Coles Express Hornsby	194- 206 Pacific HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-33.7071993	151.0991452
HORNSBY	Hornsby Train Maintenance Centre	1B Stephen STREET	Other Industry	Regulation under CLM Act not required	-33.69342449	151.1035295
HOXTON PARK	Endeavour Energy Hoxton Park	490 Hoxton Park ROAD	Other Industry	Regulation under CLM Act not required	-33.92766437	150.8689069
HUNTERS HILL	Coles Express Hunters Hill	4 Ryde ROAD	Service Station	Regulation under CLM Act not required	-33.8317985	151.141655
HUNTERS HILL	Foreshore Land	Rear of 7, 9 & 11 Nelson PARADE	Other Industry	Contamination currently regulated under CLM Act	-33.84248362	151.1649249
HUNTERS HILL	7, 9 and 11 Nelson Parade Hunters Hill	7, 9 and 11 Nelson PARADE	Other Industry	Regulation under CLM Act not required	-33.84218911	151.164968
HURLSTONE PARK	Former Telstra Depot	82 Canterbury ROAD	Service Station	Regulation under CLM Act not required	-33.90803171	151.1258121
HURLSTONE PARK	Former Speedway Petroleum Service Station	610 - 618 New Canterbury ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.90541228	151.1322009
HURLSTONE PARK	7-Eleven Hurlstone Park	670 New Canterbury ROAD	Service Station	Regulation under CLM Act not required	-33.90510388	151.1299825
HURSTVILLE GROVE	Moore Reserve	Morshead DRIVE	Landfill	Contamination currently regulated under CLM Act	-33.97920603	151.0873578

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
INGLEBURN	7-Eleven Ingleburn	72 Cumberland Road, corner Oxford ROAD	Service Station	Regulation under CLM Act not required	-34.00041505	150.8679742
INVERELL	Former Shell Depot	25 Edward STREET	Other Petroleum	Regulation under CLM Act not required	-29.76151684	151.1182033
INVERELL	Former Service Station	20 Oliver STREET	Service Station	Regulation under CLM Act not required	-29.77229743	151.1152692
INVERELL	Former Caltex Depot Inverell	4 Edward STREET	Service Station	Regulation under CLM Act not required	-29.76123104	151.1147983
INVERELL	Former Mobil Inverell Depot	29-33 Edward STREET	Other Petroleum	Regulation under CLM Act not required	-29.76135322	151.1171412
INVERELL	Caltex Service Station	55-59 Ring STREET	Service Station	Regulation under CLM Act not required	-29.76204512	151.1141737
INVERELL	Former Mobil Service Station	Corner Otho Street and Henderson STREET	Service Station	Regulation under CLM Act not required	-29.7786926	151.1149921
INVERELL	Former Caltex Service Station	141 Otho STREET	Service Station	Regulation under CLM Act not required	-29.77819403	151.1145699
ISLINGTON	Caltex Service Station	240 Maitland ROAD	Service Station	Regulation under CLM Act not required	-32.91138644	151.7457701
ISLINGTON	Shell Pipeline Easement (vacant land)	24 Fern STREET	Other Petroleum	Regulation under CLM Act not required	-32.91706254	151.7473809
JAMISONTOWN	BP Service Station Jamisontown	124 - 128 Mulgoa ROAD	Service Station	Regulation under CLM Act not required	-33.76978323	150.6764977
JAMISONTOWN	Former Caltex Jamisontown	229-231 Mulgoa ROAD	Service Station	Regulation under CLM Act not required	-33.76661447	150.6784735
JAMISONTOWN	7-Eleven Service Station	92 Mulgoa ROAD	Service Station	Contamination currently regulated under CLM Act	-33.7667231	150.6796488
JANNALI	Former Mobil Service Station	121 Georges River ROAD	Service Station	Regulation under CLM Act not required	-34.01614613	151.0681921
JANNALI	Former IGA	541 Box ROAD	Other Industry	Regulation under CLM Act not required	-34.01602134	151.0660384

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
JENNINGS	Jennings Former Arsenic Poison Factory	Duke Street, Manor Street, and Ballandean STREET	Chemical Industry	Contamination currently regulated under CLM Act	-28.929342	151.9298622
JENNINGS	United Jennings Service Station	1823 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-28.9323235	151.9260334
JESMOND	Caltex Service Station	27 Bluegum ROAD	Service Station	Regulation under CLM Act not required	-32.9029287	151.691164
JINDABYNE	BP Service Station (Reliance Petroleum)	8 Kosciuszko ROAD	Service Station	Regulation under CLM Act not required	-36.41478692	148.6178882
JINDABYNE	Caltex Service Station	50 Kosciuszko ROAD	Service Station	Regulation under CLM Act not required	-36.41395847	148.6225113
JINGELLIC	Former Jingellic School	3179 River ROAD	Other Industry	Regulation under CLM Act not required	-35.926501	147.701011
JUNEE	Subdivision Proposal	5858 Gundagai ROAD	Unclassified	Regulation under CLM Act not required	-34.87783587	147.6067578
JUNEE	United Junee Service Station	No. 118-134 BROADWAY	Service Station	Regulation under CLM Act not required	-34.86805686	147.583483
JUNEE	Junee Railway Workshops	92 Harold STREET	Other Industry	Under assessment	-34.88393	147.579631
KANAHOOKA	Former Dapto Smelter Site, Kanahooka (redeveloped)	Off Kanahooka ROAD	Metal Industry	Regulation under CLM Act not required	-34.4941348	150.8224482
KANDOS	Cement Australia Kandos Cement Works	1 Jamison STREET	Other Industry	Regulation under CLM Act not required	-32.86399912	149.9779259
KANWAL	Kanwal General Store and Fuel Supplies and Adjacent Land	68 and part of 70 Craigie AVENUE	Service Station	Contamination currently regulated under CLM Act	-33.263026	151.482125
KANWAL	Former Bus and Truck Rental Yard	645-647 Pacific Highway HIGHWAY	Other Petroleum	Regulation under CLM Act not required	-33.26233802	151.4825469
KARIONG	Coles Express Kariong	6 Central Coast HIGHWAY	Service Station	Regulation under CLM Act not required	-33.43443192	151.2963401
KARIONG	Caltex Service Station	Lot 2 Langford DRIVE	Service Station	Regulation under CLM Act not required	-33.43934827	151.2935447

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
KARUAH	BP Roadhouse Karuah	403 Tarean ROAD	Service Station	Regulation under CLM Act not required	-32.65371781	151.9629963
KATOOMBA	Aldi Stores	201 Katoomba STREET	Service Station	Regulation under CLM Act not required	-33.71756625	150.3101649
KATOOMBA	Former Katoomba/Leura Gasworks	Megalong STREET	Gasworks	Contamination currently regulated under CLM Act	-33.71318559	150.3187284
KELLYVILLE	Caltex Service Station	3-5 Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.71436125	150.9602175
KELLYVILLE	BP Service Station Kellyville	19-23 Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.71280997	150.9590756
KELSO	Caltex Service Station Kelso	19 Sydney ROAD	Service Station	Regulation under CLM Act not required	-33.41904247	149.6023985
KELSO	BP Service Station (Reliance Petroleum)	63 Sydney ROAD	Service Station	Regulation under CLM Act not required	-33.41925328	149.6076677
KEMBLA GRANGE	ShawCor Australia	66 West Dapto ROAD	Other Petroleum	Regulation under CLM Act not required	-34.46875328	150.8106326
KEMBLAWARRA	Griffins Bay, Lake Illawarra	Shellharbour ROAD	Landfill	Regulation under CLM Act not required	-34.49653984	150.8943776
KEMPS CREEK	Caltex-branded Service Station	1163 Mamre ROAD	Service Station	Regulation under CLM Act not required	-33.86972102	150.7966074
KEMPSEY	Kempsey Showground	19 Sea STREET	Unclassified	Contamination being managed via the planning process (EP&A Act)	-31.07334836	152.8308795
KEMPSEY	Former Shell Depot	43-51 Gladstone STREET	Other Petroleum	Regulation under CLM Act not required	-31.07500944	152.8346699
KEMPSEY	Former Mobil Depot	14 Hopetoun STREET	Other Petroleum	Regulation under CLM Act not required	-31.07603107	152.8350132
KEMPSEY	Shell Coles Express Service Station Kempsey	165 Smith STREET	Service Station	Regulation under CLM Act not required	-31.07036743	152.8461571
KEMPSEY	Mobil Depot	154 Belgrave STREET	Service Station	Regulation under CLM Act not required	-31.07965043	152.8326303

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
KEMPSEY	Liberty (Former Mobil) Service Station	108-112 Smith STREET	Service Station	Regulation under CLM Act not required	-31.07492508	152.8431945
KENSINGTON	7-Eleven Kensington	135 Anzac PARADE	Service Station	Regulation under CLM Act not required	-33.91035885	151.2228537
KENSINGTON	Former Ampol Service Station	76-82 Anzac PARADE	Service Station	Regulation under CLM Act not required	-33.9059246	151.2242891
KENSINGTON	Footpath adjacent to 10-20 Anzac Parade	10-20 Anzac PARADE	Service Station	Regulation under CLM Act not required	-33.9032124	151.2237836
KENSINGTON	Caltex Service Station	211-213 Anzac PARADE	Service Station	Regulation under CLM Act not required	-33.91460752	151.2251266
KENTHURST	Vacant Land	259 McCylmonts ROAD	Unclassified	Regulation under CLM Act not required	-33.61283529	150.9425303
KHANCOBAN	Khancoban Tip	Alpine WAY	Landfill	Regulation under CLM Act not required	-36.21994191	148.1542718
KIAMA	Former Gasworks	105 to 109 and 113 Shoalhaven STREET	Gasworks	Regulation under CLM Act not required	-34.67416881	150.8504143
KIAMA HEIGHTS	Former Mobil Service Station Kiama	7-9 South Kiama DRIVE	Service Station	Regulation under CLM Act not required	-34.69553931	150.8437977
KILLARA	7-Eleven Service Station (Former Mobil)	496 Pacific HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-33.77146554	151.1606903
KILLARA	Former Caltex Service Station	692B-694 Pacific HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-33.76306802	151.1550109
KILLARA	Killara Garage	544 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.76974164	151.1599696
KILLARA	Former BP Service Station Lindfield	478 Pacific HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-33.7719298	151.1613874
KILLARA	Land Adjacent to Former Service Station Site	684-684a, 690, 692 and 696 Pacific HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-33.76312226	151.1549237
KINCUMBER	Frost Reserve	Avoca DRIVE	Landfill	Contamination currently regulated under CLM Act	-33.47065695	151.3909044

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
KINGS PARK	Multi-Fill	14 Garling ROAD	Chemical Industry	Under assessment	-33.74478046	150.9111964
KINGS PARK	Former Dow Corning Factory	21 Tattersall ROAD	Chemical Industry	Regulation under CLM Act not required	-33.75012653	150.9138477
KINGSFORD	Caltex Service Station	603-611 Anzac PARADE	Service Station	Regulation under CLM Act not required	-33.93435787	151.2371198
KINGSFORD	Coles Express Service Station Kingsford	58 Gardeners ROAD	Service Station	Regulation under CLM Act not required	-33.9250054	151.2257601
KINGSGROVE	Shell Coles Express Service Station	137 Kingsgrove ROAD	Service Station	Regulation under CLM Act not required	-33.93276948	151.099026
KINGSGROVE	Caltex Kingsgrove	351-357 Stoney Creek ROAD	Service Station	Regulation under CLM Act not required	-33.95132175	151.0926872
KINGSGROVE	State Transit Authority Depot	17-23 Richland STREET	Other Petroleum	Regulation under CLM Act not required	-33.93646086	151.0973617
KIRRAWEE	Ingal Civil Products	127-141 Bath ROAD	Metal Industry	Regulation under CLM Act not required	-34.03029516	151.0754469
KIRRAWEE	7-Eleven (former Mobil) Service Station	542-546 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.03238179	151.0758071
KIRRAWEE	Caltex-branded Kirrawee Service Station	(1-3 Waratah Street) 487 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.02915971	151.0808279
KOGARAH	Scarborough Park South	184R Production AVENUE	Landfill	Regulation being finalised	-33.97922253	151.140276
KOGARAH	Caltex Service Station	29 President AVENUE	Service Station	Regulation under CLM Act not required	-33.96516866	151.141145
KOGARAH	7-Eleven Service Station	736 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-33.96406472	151.1376011
KOGARAH	Woolworths Petrol Service Station	69 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-33.96330397	151.1371182
KOOLKHAN	Former Koolkhan Power Station	Summerland WAY	Other Industry	Regulation under CLM Act not required	-29.61688704	152.9300645

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
KOORAGANG	NPC, berths 2 and 3	Heron ROAD	Metal Industry	Regulation being finalised	-32.89260063	151.7742527
KOORAGANG	Kooragang Island Waste Facility	Off Cormorant ROAD	Metal Industry	Contamination currently regulated under POEO Act	-32.86901125	151.7377773
KOORAGANG	Orica Kooragang Island	15 Greenleaf ROAD	Chemical Industry	Contamination currently regulated under CLM Act	-32.89654619	151.7771372
KOORAGANG	Former Boral Timber Export Facility	16 Heron ROAD	Other Industry	Regulation under CLM Act not required	-32.89710295	151.7739966
KOORAGANG	Cleanaway Technical Services	19 Egret STREET	Other Industry	Regulation under CLM Act not required	-32.8812145	151.766282
KOORAGANG	Industrial Facility	39 Heron ROAD	Chemical Industry	Under assessment	-32.89106439	151.7784064
KOORAGANG	Vacant Land	Raven Street and Cormorant ROAD	Unclassified	Regulation under CLM Act not required	-32.88410199	151.7701334
KOORAGANG	Linx Logistics	240 Cormorant ROAD	Other Industry	Regulation under CLM Act not required	-32.87480951	151.7757352
KOORINGAL	Former Shell Wagga Depot	11-15 Lake Albert ROAD	Other Petroleum	Regulation under CLM Act not required	-35.12273113	147.3786005
KOORINGAL	Caltex Service Station	265-267 Lake Albert ROAD	Service Station	Regulation under CLM Act not required	-35.14078443	147.3755442
KOORINGAL	Caltex-branded (former Mobil) Service Station	24 Lake Albert ROAD	Service Station	Regulation under CLM Act not required	-35.12239591	147.3769936
KOSCIUSZKO	Smiggin Holes Snow Clearing Shed	Link ROAD	Landfill	Regulation under CLM Act not required	-36.39098211	148.4304981
KOSCIUSZKO	Khancoban Spoil Dump	Alpine WAY	Landfill	Regulation under CLM Act not required	-36.21982803	148.1527401
KOSCIUSZKO	Sawpit Creek landfill	13km from Jindabyne, off Kosciuszko ROAD	Landfill	Regulation under CLM Act not required	-36.34858097	148.5673374
KURMOND	BP Service Station	501 Bells Line of road ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.55096662	150.6911676

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
KURNELL	Former Phillips Imperial Chemicals site	260 Captain Cook DRIVE	Chemical Industry	Regulation under CLM Act not required	-34.02493837	151.1952149
KURNELL	Caltex Kurnell Terminal (refer also to ID23868)	2 Solander STREET	Other Petroleum	Contamination currently regulated under POEO Act	-34.0175214	151.2159572
KURNELL	Abbott Australasia	Captain Cook DRIVE	Chemical Industry	Contamination formerly regulated under the CLM Act	-34.02339937	151.19921
KURNELL	Former Caltex Kurnell Service Station	Corner Captain Cook Drive and Solander STREET	Service Station	Regulation under CLM Act not required	-34.01269846	151.2094347
KURRI KURRI	United Petroleum Service Station Kurri Kurri	279-281 Lang STREET	Service Station	Contamination formerly regulated under the CLM Act	-32.82047175	151.477646
KURRI KURRI	Kurri Kurri Smelter	Hart ROAD	Metal Industry	Regulation under CLM Act not required	-32.7873063	151.4828827
KYOGLE	Caltex Service Station	22-24 Summerland WAY	Service Station	Regulation under CLM Act not required	-28.61806766	153.003862
LAKE HAVEN	Caltex Service Station	Goobarabah Ave Cnr Gorokan DRIVE	Service Station	Regulation under CLM Act not required	-33.24337276	151.5065335
LAKEMBA	Former Lakemba Police Station	59 Quigg STREET	Unclassified	Regulation under CLM Act not required	-33.92199239	151.079412
LAKEMBA	Caltex Service Station - Corner Punchbowl Rd and Wangee Rd	81 Wangee ROAD	Service Station	Regulation under CLM Act not required	-33.91153044	151.073306
LAKEMBA	Caltex Service Station	961-967 Canterbury ROAD	Service Station	Regulation under CLM Act not required	-33.92671102	151.0814905
LAMBTON	Caltex Service Station	422 Newcastle ROAD	Service Station	Regulation under CLM Act not required	-32.9095592	151.7109684
LANE COVE	7-Eleven Service Station	203 Burns Bay ROAD	Service Station	Regulation under CLM Act not required	-33.81458334	151.1543844
LANE COVE	BP-branded Jasbe Service Station	62-70 Epping ROAD	Service Station	Regulation under CLM Act not required	-33.81108427	151.1641531
LANE COVE	Pacific Power	Sirius ROAD	Other Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.80701776	151.1449658

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
LANE COVE	Coles Express Service Station Burns Bay	254 Burns Bay ROAD	Service Station	Regulation under CLM Act not required	-33.81719214	151.1518774
LANE COVE NORTH	Former Caltex Service Station	428-432 Mowbray ROAD	Service Station	Regulation under CLM Act not required	-33.80804563	151.1721538
LANE COVE NORTH	BP Artarmon Service Station, Lane Cove North	432 Pacific HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-33.8112038	151.175547
LANE COVE WEST	Caltex Lane Cove West	235-245 Burns Bay ROAD	Service Station	Regulation under CLM Act not required	-33.81719214	151.1518774
LANE COVE WEST	Ventemans Reach Bushland	Off Mars ROAD	Unclassified	Regulation under CLM Act not required	-33.80615015	151.1451474
LANSVALE	Mobil Service Station	44 Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-33.89172416	150.9656537
LAURIETON	Camden Haven Tyre and Brake Centre (Former Caltex Service Station)	461 Ocean DRIVE	Service Station	Regulation under CLM Act not required	-31.64367775	152.7977735
LAVENDER BAY	SRA Land	French STREET	Unclassified	Regulation under CLM Act not required	-33.84560621	151.2030148
LAVINGTON	Former Caltex Service Station	373-375 Wagga ROAD	Service Station	Regulation under CLM Act not required	-36.04797551	146.9385325
LAVINGTON	Caltex Service Station	436 Wagga (corner Dick Road) ROAD	Service Station	Regulation under CLM Act not required	-36.04500034	146.9444932
LAVINGTON	Former ERS liquid waste treatment and storage facility	819 Knights ROAD	Other Industry	Regulation under CLM Act not required	-36.06763885	146.942143
LEETON	Former Mobil Depot	108 Calrose STREET	Other Petroleum	Regulation under CLM Act not required	-34.55813326	146.3921296
LEETON	Caltex Service Station	1 Belah STREET	Service Station	Regulation under CLM Act not required	-34.55421752	146.3998431
LEETON	Yenda Producers (formerly Incitec) Leeton	1 - 2 Canal STREET	Other Petroleum	Regulation under CLM Act not required	-34.55184684	146.3862573
LEETON	Former Fuel Depot, Leeton	1-3 Short STREET	Other Petroleum	Regulation under CLM Act not required	-34.55253237	146.3864507

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
LEETON	United Leeton Service Station	110 Kurrajong AVENUE	Service Station	Under assessment	-34.55573364	146.4099077
LEICHHARDT	SRA Land	10-11 Balmain ROAD	Other Industry	Contamination formerly regulated under the CLM Act	-33.87774852	151.1590952
LEICHHARDT	Former Kolotex site	22 George STREET	Other Industry	Contamination currently regulated under CLM Act	-33.88855307	151.1482106
LEICHHARDT	Former Labelcraft Site	30-40 George STREET	Chemical Industry	Contamination currently regulated under CLM Act	-33.88778798	151.1484773
LEICHHARDT	Leichhardt Bus Depot Area E	240 Balmain Road, corner City West LINK	Other Industry	Regulation under CLM Act not required	-33.87589727	151.1598073
LEICHHARDT	RailCorp Leichhardt	7 Darley ROAD	Other Industry	Regulation under CLM Act not required	-33.87520846	151.1539012
LENNOX HEAD	Former Caltex Lennox Head	Byron STREET	Service Station	Regulation under CLM Act not required	-28.79189328	153.5883225
LENNOX HEAD	Spoors Dip	13 Fig Tree Hill DRIVE	Cattle Dip	Contamination formerly regulated under the CLM Act	-28.78258175	153.5752527
LEPPINGTON	Coles Express Leppington	1443 Camden Valley WAY	Service Station	Regulation under CLM Act not required	-33.96631609	150.8154793
LEUMEAH	Caltex Service Station	6 Rudd ROAD	Service Station	Regulation under CLM Act not required	-34.05398325	150.8299209
LEURA	Former Leura Garage	126-128 Leura MALL	Service Station	Regulation under CLM Act not required	-33.7125311	150.3315386
LIDCOMBE	Metro Lidcombe (former Liberty)	134 John STREET	Service Station	Contamination currently regulated under POEO Act	-33.85466534	151.04675
LIDDELL	Liddell Power Station	New England HIGHWAY	Other Industry	Regulation under CLM Act not required	-32.37393962	150.9756283
LIDSDALE	Angus Place Colliery	Wolgan ROAD	Other Industry	Regulation under CLM Act not required	-33.35274573	150.0996773
LIDSDALE	Kerosene Vale Colliery	Wolgan ROAD	Other Industry	Regulation under CLM Act not required	-33.38145755	150.0940097

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
LIGHTNING RIDGE	Former Ambulance Station	18 - 42 Pandora STREET	Other Industry	Regulation under CLM Act not required	-29.43133877	147.9812981
LIGHTNING RIDGE	Caltex Service Station	Onyx Street, corner Morilla STREET	Service Station	Regulation under CLM Act not required	-29.42922885	147.9747954
LILLIAN ROCK	Former 'Peters Dip' Cattle Tick Dip Site	427 Lillian Rock ROAD	Cattle Dip	Regulation under CLM Act not required	-28.5314327	153.1556392
LINDFIELD	7-Eleven (former Mobil) Service Station	238 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.7788603	151.1689594
LISAROW	OneSteel Recycling	902A Pacific HIGHWAY	Metal Industry	Regulation under CLM Act not required	-33.38420179	151.3655856
LISMORE	Caltex Lismore Service Station	136 Woodlark STREET	Service Station	Regulation under CLM Act not required	-28.80807597	153.2807591
LISMORE	Shell Coles Express Service Station	100 Dawson STREET	Service Station	Regulation under CLM Act not required	-28.81140865	153.2800472
LISMORE	Former Shell Depot	116 Wilson STREET	Other Petroleum	Regulation under CLM Act not required	-28.81070081	153.2621577
LISMORE	Caltex Service Station	73-75 Dawson STREET	Service Station	Regulation under CLM Act not required	-28.80894415	153.2809619
LISMORE	Lismore Gasworks	Cnr John Street & Keen STREET	Gasworks	Contamination formerly regulated under the CLM Act	-28.81764489	153.2710196
LISMORE	SRA Land	Norco LANE	Unclassified	Regulation under CLM Act not required	-28.810742	153.2702306
LISMORE HEIGHTS	Coles Express Lismore Heights	426 Ballina ROAD	Service Station	Contamination currently regulated under CLM Act	-28.81068067	153.3053065
LISMORE HEIGHTS	Beardow Street Road Reserve	22 New Ballina ROAD	Unclassified	Regulation under CLM Act not required	-28.804051	153.291801
LITHGOW	Former Shell CVRO and Depot	77 Bridge Street and 6 Gas Works LANE	Other Petroleum	Regulation under CLM Act not required	-33.47995091	150.162216
LITHGOW	Lithgow Thales	4 Martini PARADE	Metal Industry	Contamination formerly regulated under the CLM Act	-33.49012248	150.1415389

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
LITHGOW	Former Mobil Depot	353 Main STREET	Other Petroleum	Regulation under CLM Act not required	-33.48235166	150.1383012
LITHGOW	Former Gasworks	Mort STREET	Gasworks	Regulation under CLM Act not required	-33.47995167	150.1635401
LITHGOW	Jasbe BP-branded Service Station (Former Reliance Petroleum)	1106 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.48426647	150.134992
LITHGOW	Caltex Lithgow (Quota Park)	Adjacent to 1131 Great Western HIGHWAY	Unclassified	Regulation under CLM Act not required	-33.47927554	150.1366238
LIVERPOOL	AC McGrath (Wholesale) Pty Ltd	20 Shepherd Street and 6A & 6B Atkinson STREET	Other Industry	Regulation under CLM Act not required	-33.9320192	150.9236862
LIVERPOOL	Former Car Park	4 - 6 Rose STREET	Unclassified	Regulation under CLM Act not required	-33.93258955	150.9157936
LIVERPOOL	Woolworths Service Station	59-67 Orange Grove ROAD	Service Station	Regulation under CLM Act not required	-33.90711248	150.9178855
LIVERPOOL	68 Speed Street, Liverpool NSW	68 Speed STREET	Gasworks	Under assessment	-33.929889	150.92243
LOFTUS	BP Freedom Fuel Service Station Loftus	127 Loftus AVENUE	Service Station	Regulation under CLM Act not required	-34.04570765	151.0508004
LONG JETTY	Metro Petroleum Service Station Long Jetty	326 The Entrance ROAD	Service Station	Under assessment	-33.35897356	151.4847709
LONG JETTY	Caltex Service Station	431 The Entrance ROAD	Service Station	Regulation under CLM Act not required	-33.36022468	151.4826553
LONG JETTY	Westside Petroleum Service Station	290-294 The Entrance ROAD	Service Station	Contamination currently regulated under CLM Act	-33.35688982	151.4862246
LONG JETTY	7-Eleven (former Mobil) Service Station	184-186 The Entrance ROAD	Service Station	Regulation under CLM Act not required	-33.35089363	151.4924904
LONGUEVILLE	Caltex Service Station	5 Northwood ROAD	Service Station	Regulation under CLM Act not required	-33.82427366	151.1724497
LUCAS HEIGHTS	Harringtons Quarry	access from Little Forest ROAD	Landfill	Contamination currently regulated under CLM Act	-34.03555347	150.9751826

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
LUCAS HEIGHTS	IWC landfill	Little Forest ROAD	Landfill	Regulation under CLM Act not required	-34.03214889	150.9753474
LUDDENHAM	Caltex Service Station	3019-3035 The Northern ROAD	Service Station	Regulation under CLM Act not required	-33.87536093	150.6888872
MACKSVILLE	Caltex Service Station	Pacific (22-24 Cooper Street) HIGHWAY	Service Station	Regulation under CLM Act not required	-30.70977455	152.9198448
MACLEAN	MacLean Outdoors	255 River STREET	Service Station	Regulation under CLM Act not required	-29.45782683	153.1970725
MACQUARIE FIELDS	Caltex Service Station	68 Harold STREET	Service Station	Regulation under CLM Act not required	-33.98557276	150.8933681
MACQUARIE PARK	Caltex North Ryde Service Station	41-43 Epping ROAD	Service Station	Regulation under CLM Act not required	-33.79138236	151.1312248
MACQUARIE PARK	1-7 Waterloo Road, Macquarie Park	1-7 Waterloo ROAD	Other Petroleum	Regulation under CLM Act not required	-33.78806877	151.1332148
MACQUARIE PARK	Porters Creek Depot - Proposed Operations Centre Site	160 Wicks ROAD	Landfill	Regulation under CLM Act not required	-33.785348	151.13663
MACQUARIE PARK	De Burghs Cycleway - Lane Cove National Park	Riverside DRIVE	Other Petroleum	Regulation under CLM Act not required	-33.77802854	151.1367529
MAITLAND	Maitland Gasworks	Charles STREET	Gasworks	Contamination currently regulated under CLM Act	-32.73603658	151.5578926
MAITLAND	Hannan and High Street	Hannan Street and High STREET	Service Station	Regulation under CLM Act not required	-32.72731682	151.5515673
MAITLAND	Coles Express Service Station	235 High STREET	Service Station	Regulation under CLM Act not required	-32.73923807	151.5620399
MALABAR	ANZAC Rifle Range former landfill	Franklin STREET	Landfill	Regulation being finalised	-33.95792671	151.2566373
MANDALONG	Mandalong Mine	Mandalong ROAD	Other Industry	Regulation under CLM Act not required	-33.11725583	151.4616452
MANGROVE MOUNTAIN	Poultry Litter Containment Pit site	258 Waratah ROAD	Unclassified	Regulation under CLM Act not required	-33.28917277	151.167235

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MANILLA	Tamworth Regional Council Works Depot - Manilla	73 River STREET	Other Petroleum	Regulation under CLM Act not required	-30.74879943	150.7181011
MANLY	Caltex Service Station	86 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.79306889	151.2858638
MANLY	Former Little Manly Point Gasworks	End of Stuart STREET	Gasworks	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.80842005	151.2877784
MANLY	St Patrick's Estate	151 Darley ROAD	Unclassified	Regulation under CLM Act not required	-33.8044568	151.2938595
MANLY	Little Manly Point	Stuart STREET	Gasworks	Contamination formerly regulated under the CLM Act	-33.80814626	151.2876245
MANLY VALE	Caltex Service Station Manly Vale	236-238 Condamine STREET	Service Station	Regulation under CLM Act not required	-33.78508231	151.2674386
MANLY VALE	Former Landfill Addiscombe Road	Addiscombe ROAD	Landfill	Contamination currently regulated under CLM Act	-33.78307439	151.2747846
MANNERING PARK	Parkview General Store (a former service station)	2 Vales ROAD	Service Station	Regulation under CLM Act not required	-33.14753814	151.5387832
MANNERING PARK	Mannering Park Mini Mart	70 Vales ROAD	Service Station	Regulation under CLM Act not required	-33.15236501	151.5371767
MARAYONG	7-Eleven (former Mobil Blacktown West) Service Station Marayong	173 Richmond ROAD	Service Station	Regulation under CLM Act not required	-33.75472796	150.8913605
MARAYONG	Woolworths Petrol Service Station Marayong	Corner Vardys Road and Turbo ROAD	Service Station	Regulation under CLM Act not required	-33.7452356	150.9041601
MARDI	Former Mardi Landfill	70-90 McPherson ROAD	Landfill	Regulation under CLM Act not required	-33.29273289	151.4100941
MARKS POINT	Former Mobil Service Station (now 7-Eleven)	770-772 Pacific HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-33.05646268	151.6533795
MARKS POINT	Former Mobil Aviation Depot Belmont Airport	864 Pacific HIGHWAY	Other Petroleum	Regulation under CLM Act not required	-33.06657244	151.6497674
MAROUBRA	Coles Express Pagewood Service Station, Maroubra	299 Bunnerong PARADE	Service Station	Regulation under CLM Act not required	-33.94071282	151.2285063

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MARRANGAROO	United (Former Mobil) Service Station Marrangaroo	394-398 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.45253322	150.1181023
MARRICKVILLE	Former Mobil Service Station	384 Illawarra ROAD	Service Station	Regulation under CLM Act not required	-33.91534969	151.1506717
MARRICKVILLE	TRW Steering and Suspension	22-28 Carrington ROAD	Other Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.92012667	151.1566181
MARRICKVILLE	Woolworths Petrol Service Station Marrickville	490 Illawarra ROAD	Service Station	Regulation under CLM Act not required	-33.91845177	151.1459951
MARRICKVILLE	RailCorp	361 Victoria ROAD	Other Industry	Regulation under CLM Act not required	-33.91404835	151.1557132
MARRICKVILLE	Mackey Park	Cnr Richardsons Crescent and Carrington ROAD	Landfill	Regulation under CLM Act not required	-33.9220263	151.1547903
MARRICKVILLE	Cooks River Aqueduct	Thornley STREET	Unclassified	Contamination formerly regulated under the CLM Act	-33.92204604	151.1480332
MARRICKVILLE	2 Carrington Road	2 Carrington ROAD	Unclassified	Regulation under CLM Act not required	-33.91596071	151.1597199
MARRICKVILLE	Former Dry Cleaners and Loading Dock	Smidmore STREET	Other Industry	Contamination currently regulated under CLM Act	-33.90707592	151.171701
MARSDEN PARK	226 Grange Avenue	226 Grange AVENUE	Unclassified	Regulation under CLM Act not required	-33.70259609	150.83825
MARSFIELD	Coles Express Service Station Marsfield	189 Epping ROAD	Service Station	Regulation under CLM Act not required	-33.77519246	151.1053691
MARULAN	BP Express Marulan (Northbound)	(Northbound) Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-34.7188332	149.9949547
MARULAN	BP Service Station	(Southbound) Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-34.71932066	150.0014827
MARYVILLE	7-Eleven Service Station	184-188 Hannell STREET	Service Station	Contamination currently regulated under CLM Act	-32.91336028	151.7579315
MASCOT	Former Zinc Smelter and Paint Manufacturing Facility	163 O'Riordan STREET	Metal Industry	Regulation under CLM Act not required	-33.92526513	151.1892582

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MASCOT	Caltex Service Station	125 O'Riordan STREET	Service Station	Regulation under CLM Act not required	-33.92309169	151.1911539
MASCOT	Mascot Pioneer Plating	25-29 Ricketty STREET	Metal Industry	Contamination currently regulated under CLM Act	-33.92075288	151.1824801
MASCOT	Heritage Business Centre	5-9 Ricketty STREET	Unclassified	Regulation under CLM Act not required	-33.92029202	151.1816656
MASCOT	Telstra Exchange	904-922 Botany ROAD	Other Industry	Regulation under CLM Act not required	-33.9293166	151.1942777
MASCOT	Former Shell Service Station Mascot	746 Botany ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.92352295	151.1955852
MASCOT	ING Industrial Fund (unoccupied Land and General Parking)	19-33 Kent ROAD	Landfill	Regulation under CLM Act not required	-33.9227711	151.1854202
MASCOT	Former Mascot Galvanising	336-348 King STREET	Metal Industry	Contamination currently regulated under CLM Act	-33.92902126	151.185874
MASCOT	Sokol Corporation	50-56 Robey STREET	Other Industry	Regulation under CLM Act not required	-33.93162265	151.1904955
MASCOT	Linear Park	Off O'Riordan STREET	Landfill	Regulation under CLM Act not required	-33.92278693	151.1904751
MATRAVILLE	Port Botany Bus Depot	7 Bumborah Point ROAD	Other Petroleum	Regulation under CLM Act not required	-33.96880413	151.2255889
MATRAVILLE	Former Golden Fleece Terminal No2	151 Beauchamp ROAD	Other Petroleum	Contamination formerly regulated under the CLM Act	-33.95719404	151.2259884
MATRAVILLE	Former Rieco Incinerator	Kain AVENUE	Other Industry	Contamination being managed via the planning process (EP&A Act)	-33.95980534	151.2423679
MATRAVILLE	7-Eleven Service Station Matraville	515 Bunnerong ROAD	Service Station	Contamination currently regulated under CLM Act	-33.95943536	151.2317598
MATRAVILLE	Former Golden Fleece Terminal No1	133 -149 Beauchamp ROAD	Other Petroleum	Contamination formerly regulated under the CLM Act	-33.95776666	151.2248518
MATRAVILLE	Vacant Lot	3 Wilkes AVENUE	Other Industry	Regulation under CLM Act not required	-33.96006406	151.2431087

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MATRAVILLE	Eastern Suburbs Memorial Park	12 Military ROAD	Chemical Industry	Regulation under CLM Act not required	-33.9719906	151.2274386
MAYFIELD	7-Eleven (Former Mobil) Service Station	412-416 Maitland ROAD	Service Station	Regulation under CLM Act not required	-32.89292005	151.7300948
MAYFIELD	Shell Coles Express Service Station	63-69 Maud STREET	Service Station	Regulation under CLM Act not required	-32.89358962	151.7221298
MAYFIELD	BHP Closure Site (Hunter River Sediments)	Bed Sediments of the Hunter adjacent to Lot 221 DP1013964 RIVER	Metal Industry	Contamination formerly regulated under the CLM Act	-32.89203741	151.7646702
MAYFIELD	Australian Tube Mills Newcastle Site	Industrial DRIVE	Metal Industry	Under assessment	-32.88835767	151.7450751
MAYFIELD	BHP Steel River	The Buffer Zone' extending directly adjacent to the Hunter River; near the Tourle Street Bridge STREET	Metal Industry	Contamination currently regulated under CLM Act	-32.8773556	151.7252427
MAYFIELD	Waratah Steel Mill	23 Frith STREET	Metal Industry	Regulation under CLM Act not required	-32.89426592	151.7257429
MAYFIELD	OneSteel (BHP)	Industrial DRIVE	Metal Industry	Contamination currently regulated under CLM Act	-32.88366987	151.7449491
MAYFIELD NORTH	Former BHP Steelworks (Closure site)	Bound by Hunter River, Selwyn Street & Industrial DRIVE	Metal Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-32.89436064	151.7590762
MAYFIELD NORTH	OneSteel - Newcastle Wire, Rod and Bar Mills	141 & 151 Ingall STREET	Metal Industry	Under assessment	-32.89008485	151.752949
MAYFIELD NORTH	Former BHPB Supply site	Industrial DRIVE	Metal Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-32.88583041	151.7388423
MAYFIELD WEST	Stevenson Park landfill	2/559 Maitland ROAD	Landfill	Regulation under CLM Act not required	-32.88472556	151.7224791
MAYFIELD WEST	Koppers Coal Tar	East of Woodstock Street and Tourle STREET	Other Industry	Contamination currently regulated under POEO Act	-32.88554791	151.7368545
MAYFIELD WEST	Tourle Street Bridge Project	Tourle STREET	Landfill	Regulation under CLM Act not required	-32.88075518	151.7330073
MCDOUGALLS HILL	Caltex Service Station	4949 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-32.54484714	151.1490757

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MEADOWBANK	Former Council Works Depot	2 Parsonage STREET	Unclassified	Regulation under CLM Act not required	-33.82191421	151.0951974
MENAI	7-Eleven (Former Mobil) Service Station Menai	289 Menai ROAD	Service Station	Regulation under CLM Act not required	-34.01579095	151.0131737
MENAI	Caltex Service Station Menai	1 Carter Road ROAD	Service Station	Regulation under CLM Act not required	-34.01654043	151.0124133
MEREWETHER	Merewether Childcare Centre	2/23 Caldwell STREET	Unclassified	Regulation under CLM Act not required	-32.94249653	151.7504279
MERIMBULA	Caltex Service Station	19-25 Merimbula DRIVE	Service Station	Regulation under CLM Act not required	-36.88757881	149.9089159
MERIMBULA	Former Mobil Service Station	27 Market STREET	Service Station	Regulation under CLM Act not required	-36.88941693	149.9103485
MERRYLANDS	Former Timber Yard and Hardware	11-19 Centenary ROAD	Other Petroleum	Regulation under CLM Act not required	-33.83083025	150.9698915
MERRYLANDS	Caltex Service Station	229 Woodville ROAD	Service Station	Regulation under CLM Act not required	-33.84547463	150.9983413
MERRYLANDS	Caltex Service Station Merrylands	148 Woodville ROAD	Service Station	Regulation under CLM Act not required	-33.83818499	150.9997199
MERRYLANDS	Stockland Merrylands Court	249-259 Merrylands ROAD	Service Station	Regulation under CLM Act not required	-33.83560037	150.9869735
MERRYLANDS	7-Eleven Merrylands Service Station	295-297 Merrylands Road, corner Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.83533205	150.9851801
MERRYLANDS	Former Stockfeed Manufacturing Site	1-7 & 9-11 Neil STREET	Other Petroleum	Regulation under CLM Act not required	-33.83390257	150.9947449
MERRYLANDS WEST	Former Mobil Service Station	3 Centenary ROAD	Service Station	Regulation under CLM Act not required	-33.83214226	150.9698958
MILLER	Caltex Service Station	86 Cartwright AVENUE	Service Station	Regulation under CLM Act not required	-33.91878146	150.8827514
MILLERS FOREST	Chichester Trunk Gravity Main	water pipeline	Other Industry	Contamination currently regulated under POEO Act	-32.772877	151.6826841

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MILLERS POINT	Former AGL Gasworks	30 - 34 Hickson ROAD	Gasworks	Regulation under CLM Act not required	-33.86179594	151.2031726
MILLERS POINT	Moores Wharf UPSS	4 Towns PLACE	Other Petroleum	Regulation under CLM Act not required	-33.85581123	151.2024759
MILLERS POINT	Former AGL Gasworks	38 Hickson and road reserve ROAD	Gasworks	Contamination being managed via the planning process (EP&A Act)	-33.86280104	151.2032452
MILLERS POINT	Former AGL Gasworks	Berths 5, 6 and 7 (already demolished) and part Hickson ROAD	Gasworks	Contamination formerly regulated under the CLM Act	-33.86053571	151.2015022
MILLERS POINT	Former AGL Gasworks	Road reserve fronting 30-38 Hickson ROAD	Gasworks	Contamination formerly regulated under the POEO Act	-33.86241531	151.2024634
MILLERS POINT	Former AGL Gasworks 36 Hickson Road	36 Hickson ROAD	Gasworks	Contamination formerly regulated under the CLM Act	-33.86243824	151.2032514
MILPERRA	Heatcraft Australia Pty Ltd	286 Horsley ROAD	Other Industry	Regulation under CLM Act not required	-33.94031556	150.9958606
MILPERRA	United Group Rail Pty Limited	373 Horsley ROAD	Landfill	Regulation under CLM Act not required	-33.93286283	150.9934071
MILPERRA	Caltex Service Station	264 Milperra ROAD	Service Station	Regulation under CLM Act not required	-33.93018101	150.9910964
MILPERRA	Former Landfill	479 Henry Lawson DRIVE	Landfill	Regulation under CLM Act not required	-33.933968	150.977629
MILTON	Former Sanitary Depot	Slaughterhouse ROAD	Other Industry	Regulation under CLM Act not required	-35.33819825	150.4471917
MILTON	Caltex Milton Service Station and Depot	331 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-35.33154474	150.4492852
MINCHINBURY	7-Eleven (former Mobil) Service Station	815 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.78812909	150.8495992
MINCHINBURY	BP Service Station	1055 Great Western Highway corner Archbold ROAD	Service Station	Regulation under CLM Act not required	-33.78211857	150.8244185
MINTO	Land adjacent to Former Shell depot	Airds Road and Essex STREET	Other Petroleum	Regulation under CLM Act not required	-34.02140447	150.8415134

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MINTO	Shell Coles Express Service Station	73 Pembroke STREET	Service Station	Regulation under CLM Act not required	-34.02316454	150.8503118
MINTO	Former Endeavour Energy Depot	Pembroke ROAD	Other Petroleum	Regulation under CLM Act not required	-34.0408973	150.8451837
MINTO	Logistics Hub - Culverston Road, Minto	Culverston ROAD	Other Petroleum	Regulation under CLM Act not required	-34.0421711	150.833825
MIRANDA	Woolworth's Service Station	455 Kingsway OTHER	Service Station	Contamination currently regulated under CLM Act	-34.03492814	151.1124681
MITTAGONG	Enhance (former Coles Express) Service Station	224 Old Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-34.44746118	150.4326183
MITTAGONG	Lots 1 and 2 Alfred St.	Alfred STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-34.44738105	150.4565159
MITTAGONG	Caltex Mittagong Service Station	65 Bowral ROAD	Service Station	Regulation under CLM Act not required	-34.45245915	150.4381291
MOAMA	Caltex Moama Service Station	73 Meninya (Cnr Regent St) STREET	Service Station	Regulation under CLM Act not required	-36.10815134	144.752849
MOLONG	Cabonne BP Service Station	2 Gidley STREET	Service Station	Contamination currently regulated under CLM Act	-33.09026307	148.8695809
MOLONG	Former Gasworks	Hill STREET	Gasworks	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.09074595	148.8703262
MONA VALE	Mona Vale Bus Depot	58 Darley STREET	Other Petroleum	Contamination currently regulated under CLM Act	-33.67452414	151.3074246
MONA VALE	Former Caltex service station and adjacent properties	79 Barrenjoey Road, 2 Polo Avenue, 6 Polo Avenue, 45 Bassett STREET	Service Station	Contamination formerly regulated under the CLM Act	-33.6743659	151.3096932
MONA VALE	7-Eleven (former Mobil) Service Station	24 Barrenjoey ROAD	Service Station	Regulation under CLM Act not required	-33.676909	151.3082515
MONA VALE	BP Peninsula Express Service Station	Corner Barrenjoey Road and Darley Street East STREET	Service Station	Regulation under CLM Act not required	-33.67670799	151.3090068
MONA VALE	BP Service Station Mona Vale	1721 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.68043443	151.3023553

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MONA VALE	Caltex Investigation Area	Polo Ave, Perak STREET	Service Station	Contamination formerly regulated under the CLM Act	-33.67431333	151.3091148
MONA VALE	Taronga Place Mona Vale properties	Taronga PLACE	Other Petroleum	Contamination currently regulated under CLM Act	-33.674455	151.306569
MOOBALL	Mooball General Store	5913 Tweed Valley WAY	Service Station	Regulation under CLM Act not required	-28.44204594	153.4887648
MOONBI	Caltex Moonbi Service Station	New England HIGHWAY	Service Station	Regulation under CLM Act not required	-31.02264369	151.069094
MOORE PARK	Area 2, Moore Park	Driver AVENUE	Unclassified	Regulation under CLM Act not required	-33.89426868	151.2226839
MOOREBANK	Caltex Service Station	216 Newbridge ROAD	Service Station	Regulation under CLM Act not required	-33.92930835	150.9551469
MOOREBANK	Joyce Foam Products	5-9 Bridges ROAD	Chemical Industry	Regulation under CLM Act not required	-33.92596302	150.9335273
MOOREBANK	ABB Australia Pty Ltd	(a) 1 Bapaume ROAD	Other Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.94143741	150.9208754
MOOREBANK	Caltex Service Station Moorebank	2 Bridges ROAD	Service Station	Regulation under CLM Act not required	-33.92839682	150.9327012
MOOREBANK	Former Concrete Recyclers property, Newbridge Road, Moorebank	Newbridge ROAD	Landfill	Contamination being managed via the planning process (EP&A Act)	-33.938825	150.965169
MOORLAND	Caltex Service Station	99 Jericho ROAD	Service Station	Regulation under CLM Act not required	-31.79436622	152.6514849
MOREE	Former Freedom Service Station Site Moree	1 Dover STREET	Service Station	Contamination currently regulated under CLM Act	-29.4715814	149.8440279
MOREE	Caltex Depot	101 Gosport STREET	Other Petroleum	Regulation under CLM Act not required	-29.47603684	149.8476728
MOREE	Former Golden Fleece Depot	Gosport STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-29.47698315	149.8477108
MOREE	Former Mobil Depot	Gosport STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-29.47771921	149.8478438

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MOREE	Moree Airport Evaporation Pond	Newell HIGHWAY	Unclassified	Regulation under CLM Act not required	-29.50289837	149.8411301
MOREE	Caltex Service Station	54 Alice STREET	Service Station	Contamination currently regulated under CLM Act	-29.47158492	149.8433182
MOREE	Former Shell Depot	Adelaide STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-29.47655335	149.8465698
MOREE	Shell Coles Express Service Station	Corner Gwydir and Balo STREET	Service Station	Regulation under CLM Act not required	-29.46081826	149.8419975
MOREE	BP Truckstop and Depot Moree	Newell Highway - 423 Frome STREET	Service Station	Regulation under CLM Act not required	-29.48223274	149.8463679
MOREE	Sunnyside Road	Sunnyside ROAD	Unclassified	Regulation under CLM Act not required	-29.456633	149.8225
MORISSET	Railcorp Station Masters Cottage	24 Dora STREET	Unclassified	Regulation under CLM Act not required	-33.10849681	151.4880317
MORISSET	Morisset High School	Bridge STREET	Unclassified	Regulation under CLM Act not required	-33.10475221	151.4866482
MORPETH	Telstra Cable Installation and RTA Bridge work	Northumberland STREET	Other Petroleum	Regulation under CLM Act not required	-32.72489729	151.6266795
MORPETH	Former Service Station	Swan STREET	Service Station	Regulation under CLM Act not required	-32.72477413	151.6250642
MORTLAKE	Former Petroleum Storage Site	108-116 Tennyson ROAD	Other Petroleum	Regulation under CLM Act not required	-33.83979033	151.1064889
MORTLAKE	Kendall Bay Sediments	Kendall BAY	Gasworks	Contamination currently regulated under CLM Act	-33.83905999	151.1120458
MORTLAKE	Former AGL site	Tennyson ROAD	Gasworks	Contamination formerly regulated under the CLM Act	-33.84287407	151.1109313
MORTLAKE	Majors Bay Redevelopment	14-22 Hilly STREET	Other Industry	Regulation under CLM Act not required	-33.839553	151.105554
MORUYA	Former Fuel Depot Moruya	11 to 13 Ford STREET	Other Petroleum	Regulation under CLM Act not required	-35.9112243	150.0826475

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MORUYA	Caltex Service Station Moruya	80-84 Campbell STREET	Service Station	Regulation under CLM Act not required	-35.91195596	150.0824213
MORUYA	Caltex Service Station	26 Campbell STREET	Service Station	Regulation under CLM Act not required	-35.9104985	150.0711419
MOSMAN	7-Eleven Mosman	162A Spit Road Corner Mitchell ROAD	Service Station	Regulation under CLM Act not required	-33.81747016	151.2433633
MOSMAN	BP Service Station	175 Ourimbah ROAD	Service Station	Regulation under CLM Act not required	-33.82106757	151.233291
MOSMAN	7-Eleven Service Station Mosman	45 Spit ROAD	Service Station	Regulation under CLM Act not required	-33.82302718	151.2435627
MOSMAN	Allan Border Oval	Myahgah ROAD	Landfill	Regulation under CLM Act not required	-33.82685	151.241919
MOSS VALE	Woolworths Service Station Moss Vale	609 Argyle STREET	Service Station	Regulation under CLM Act not required	-34.55409411	150.3609797
MOSS VALE	Coles Express Service Station	579 Argyle STREET	Service Station	Regulation under CLM Act not required	-34.55313422	150.364684
MOSS VALE	Moss Vale Refuelling Facility	Lackey ROAD	Other Petroleum	Regulation under CLM Act not required	-34.54662421	150.3721525
MOUNT ANNAN	Woolworths Caltex Mount Annan	157 Narellan (Corner Smeaton Grange Road) ROAD	Service Station	Regulation under CLM Act not required	-34.04685527	150.7610434
MOUNT ANNAN	Great Southern Railways Aqueduct	Off Narellan ROAD	Unclassified	Regulation under CLM Act not required	-34.07308479	150.7707436
MOUNT COLAH	Caltex Service Station Mount Colah	603 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.67034662	151.1151861
MOUNT COLAH	Foxglove Oval	Foxglove ROAD	Landfill	Contamination currently regulated under CLM Act	-33.65829855	151.1229638
MOUNT DRUITT	Caltex (former Mobil) Service Station	17 Mount STREET	Service Station	Regulation under CLM Act not required	-33.76567994	150.8244544
MOUNT HUTTON	Woolworths Service Station	46 Wilsons ROAD	Service Station	Regulation under CLM Act not required	-32.9836378	151.67309

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MOUNT PRITCHARD	7-Eleven Service Station	352 Elizabeth DRIVE	Service Station	Regulation under CLM Act not required	-33.90260656	150.8963326
MOUNT THORLEY	Bulga Surface Operations	Broke ROAD	Other Industry	Regulation under CLM Act not required	-32.68325751	151.1206158
MOUNT THORLEY	Lowes Petroleum (Former BP) Depot Mount Thorley	74 Mount Thorley ROAD	Other Petroleum	Regulation under CLM Act not required	-32.62443074	151.1025122
MOUNT VICTORIA	Former Mobil Service Station	81 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.5889727	150.2511783
MOUNT VICTORIA	Caltex Service Station	36a Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.58436517	150.2465528
MUDGEE	Caltex Service Station	114-116 Church STREET	Service Station	Regulation under CLM Act not required	-32.59428029	149.5876199
MUDGEE	Shell Coles Express Service Station	47 Church STREET	Service Station	Regulation under CLM Act not required	-32.59347493	149.5884623
MUDGEE	BP Service Station Mudgee	77 Church STREET	Service Station	Regulation under CLM Act not required	-32.59545872	149.588123
MUDGEE	Mobil Depot	47 Douro STREET	Other Petroleum	Contamination currently regulated under CLM Act	-32.60023979	149.5823448
MUDGEE	Mudgee Gasworks	Mortimer Street and Court STREET	Gasworks	Regulation under CLM Act not required	-32.59168859	149.5817705
MUDGEE	Former Essential Energy Depot	27-31 Inglis STREET	Other Industry	Regulation under CLM Act not required	-32.60076552	149.5858905
MUDGEE	Former Caltex Depot Mudgee	cnr Nicholson Street & Atkinson STREET	Other Petroleum	Regulation under CLM Act not required	-32.60125298	149.5851398
MULGRAVE	7-Eleven (former Mobil) Service Station	Corner Windsor Road and Mulgrave ROAD	Service Station	Regulation under CLM Act not required	-33.61687781	150.8341809
MULWALA	Mulwala ADI Explosives Factory	Bayly STREET	Other Industry	Regulation under CLM Act not required	-35.97572689	145.9809786
MURWILLUMBAH	Murwillumbah Ambulance Depot	27 Queen STREET	Other Petroleum	Regulation under CLM Act not required	-28.32552576	153.4000182

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MURWILLUMBAH SOUTH	Puma Murwillumbah (formerly Matilda)	182 Tweed Valley WAY	Service Station	Contamination currently regulated under CLM Act	-28.3263681	153.4103824
MURWILLUMBAH SOUTH	Former Norco Butter Factory (Eastern Portion)	230 Tweed Valley WAY	Other Petroleum	Regulation under CLM Act not required	-28.32791359	153.4073052
MUSWELLBROOK	Former Caltex Depot	1 Lower William STREET	Other Petroleum	Regulation under CLM Act not required	-32.26614257	150.8865136
MUSWELLBROOK	Vacant Rail Land	27 Brook STREET	Unclassified	Regulation under CLM Act not required	-32.26346086	150.8873181
MUSWELLBROOK	United Branded (Former Mobil) Service Station Muswellbrook	49-51 Maitland STREET	Service Station	Regulation under CLM Act not required	-32.27218162	150.8900206
MUSWELLBROOK	Former Mobil Depot Muswellbrook	43-51 Ford STREET	Other Petroleum	Regulation under CLM Act not required	-32.2599725	150.887573
MUSWELLBROOK	Woolworths Petrol	72 Brook STREET	Service Station	Regulation under CLM Act not required	-32.26325377	150.8905966
MUSWELLBROOK	Caltex Muswellbrook Service Station	84-86 Maitland STREET	Service Station	Regulation under CLM Act not required	-32.27793094	150.8980938
MUSWELLBROOK	Former Gasworks	Corner Carl Street and Foley STREET	Gasworks	Regulation under CLM Act not required	-32.26672337	150.8935982
MUSWELLBROOK	Bayswater Power Station	New England HIGHWAY	Other Industry	Regulation under CLM Act not required	-32.3954046	150.9502683
MUSWELLBROOK	Former Industrial Site	Lot 89 Rathmore STREET	Other Industry	Regulation under CLM Act not required	-32.30544071	150.8823657
MUSWELLBROOK	Caltex Service Station	12-16 Sydney STREET	Service Station	Regulation under CLM Act not required	-32.26785559	150.8879601
MUSWELLBROOK	Former Caltex Depot	47-50 Victoria STREET	Service Station	Regulation under CLM Act not required	-32.26788823	150.8930609
MUSWELLBROOK	Former Pit Top No. 1 Colliery Muswellbrook Coal	Corner Clendinning Street and Victoria STREET	Other Industry	Regulation under CLM Act not required	-32.27031992	150.9009981
NABIAC	Caltex Service Station Nabiac	3964 Wallanbah (Cnr Wallanbah Rd and Pacific Hwy) ROAD	Service Station	Regulation under CLM Act not required	-32.09864883	152.3754346

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
NAMBUCCA HEADS	Former Mobil Service Station	6 Bowra STREET	Service Station	Regulation under CLM Act not required	-30.64282127	153.0035884
NARELLAN	Caltex Service Station Narellan	1 George Hunter DRIVE	Service Station	Regulation under CLM Act not required	-34.03963992	150.7432386
NARELLAN	Former Landfill	1 Elyard STREET	Landfill	Regulation under CLM Act not required	-34.043474	150.7393256
NAROOMA	Narooma Service Station	60 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-36.21617955	150.126261
NAROOMA	Former Caltex - Narooma	82 Princes HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-36.21711766	150.1279305
NARRABEEN	Caltex Service Station	1509-1511 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.70455756	151.2969352
NARRABEEN	Shell Coles Express Service Station	1418 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.70013931	151.3002782
NARRABEEN	Narrabeen Shotgun Range Sydney Academy of Sport	Wakehurst PARKWAY	Unclassified	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.72138423	151.2642798
NARRABEEN	7-Eleven Service Station	1234 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.71958892	151.298272
NARRABRI	Caltex Service Station	13 Doyle STREET	Service Station	Regulation under CLM Act not required	-30.3239182	149.7843052
NARRABRI	Lowes Petroleum (Former Mobil) Narrabri Depot	3 Old Gunnedah ROAD	Other Petroleum	Regulation under CLM Act not required	-30.33473586	149.789587
NARRABRI	Caltex Service Station	31-35 Cooma ROAD	Service Station	Regulation under CLM Act not required	-30.33968576	149.7657241
NARRABRI	Caltex Narrabri Service Station	31 Dangar (Cnr Anne and Dangar) STREET	Service Station	Regulation under CLM Act not required	-30.32989667	149.7756598
NARRABRI	Caltex Service Station	12 Reid STREET	Other Petroleum	Regulation under CLM Act not required	-30.32282764	149.7901182
NARRABRI	Cargill Soapstock Disposal Site	Westport ROAD	Unclassified	Contamination formerly regulated under the CLM Act	-30.4698458	149.6981931

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
NARRABRI	Caltex Service Station	7-13 James STREET	Service Station	Regulation under CLM Act not required	-30.33016168	149.7940732
NARRANDERA	Former Mobil Narrandera Depot	24 Whitton STREET	Other Petroleum	Regulation under CLM Act not required	-34.7410523	146.5620667
NARRANDERA	Former Mobil Emoleum Narrandera Depot	5-7 Margaret STREET	Other Petroleum	Regulation under CLM Act not required	-34.74105391	146.5628144
NARROMINE	Narromine Fuel (Former Caltex) Service Station	Cnr Burraway Street and Algalah STREET	Service Station	Regulation under CLM Act not required	-32.23565321	148.2454259
NELLIGEN	Former Clay Target Shooting Range	1398 Kings Highway and adjoining land on Old Bolaro Mountain ROAD	Unclassified	Contamination currently regulated under CLM Act	-35.64392469	150.0955224
NELLIGEN	Lot 2 Old Bolaro Road	Old Bolaro ROAD	Unclassified	Contamination formerly regulated under the CLM Act	-35.64485609	150.0937341
NELSON BAY	Shell Coles Express Service Station	25 Stockton STREET	Service Station	Regulation under CLM Act not required	-32.72265762	152.1437317
NELSON BAY	Former Caltex Service Station Nelson Bay	38 Stockton STREET	Service Station	Regulation under CLM Act not required	-32.72335662	152.1429384
NEMINGHA	Caltex Service Station and Depot Nemingha	428 Armidale (previously 16 New England Highway) ROAD	Service Station	Regulation under CLM Act not required	-31.12425169	150.9909054
NEUTRAL BAY	Caltex Service Station	16-38 Military ROAD	Service Station	Regulation under CLM Act not required	-33.82907162	151.2163342
NEUTRAL BAY	Shell Coles Express Service Station	200-204 Ben Boyd ROAD	Service Station	Regulation under CLM Act not required	-33.82915781	151.219437
NEW LAMBTON	Caltex Service Station New Lambton	144 Bridges ROAD	Service Station	Regulation under CLM Act not required	-32.93283668	151.7141748
NEW LAMBTON	BP Service Station	105 St James ROAD	Service Station	Regulation under CLM Act not required	-32.92910325	151.7155801
NEW LAMBTON	7-Eleven (former Mobil) Service Station	291 Turton ROAD	Service Station	Regulation under CLM Act not required	-32.91773864	151.7243096
NEWCASTLE	Reclaimed Land	26-28 Honeysuckle DRIVE	Unclassified	Contamination formerly regulated under the CLM Act	-32.92604705	151.7649508

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
NEWCASTLE	Wharf Road Newcastle Car Park	313-317 Wharf ROAD	Unclassified	Regulation under CLM Act not required	-32.92570385	151.7744076
NEWCASTLE	Newcastle Foreshore	40 Stevenson Place STREET	Other Industry	Regulation under CLM Act not required	-32.92556503	151.7876742
NEWCASTLE	SRA Land	Scott STREET	Gasworks	Regulation under CLM Act not required	-32.92641425	151.7837817
NEWCASTLE WEST	Former Mobil Service Station	113 Parry STREET	Service Station	Regulation under CLM Act not required	-32.92560628	151.7558542
NEWPORT	7-Eleven (former Mobil) Service Station	307 Barrenjoey ROAD	Service Station	Regulation under CLM Act not required	-33.65632902	151.3182089
NEWPORT	Former Caltex Service Station Newport	316-324 Barrenjoey ROAD	Service Station	Regulation under CLM Act not required	-33.65634516	151.3191571
NEWTOWN	Caltex Service Station Newtown	26 - 36 Enmore ROAD	Service Station	Regulation under CLM Act not required	-33.89851331	151.17714
NEWTOWN	Former Service Station	81 Wilson STREET	Service Station	Contamination formerly regulated under the CLM Act	-33.89626791	151.1827556
NEWTOWN	Aluminium Enterprises	66 Brocks LANE	Metal Industry	Contamination was addressed via the planning process (EP&A Act)	-33.89467126	151.1847528
NEWTOWN	Adjacent to Former Service Station	79 Wilson STREET	Service Station	Contamination formerly regulated under the CLM Act	-33.89630155	151.1826567
NORAVILLE	Former Toukley Landfill	Wilfred Barrett DRIVE	Landfill	Regulation under CLM Act not required	-33.27734185	151.5537784
NORTH ALBURY	Caltex Service Station and Diesel Stop	79 Union ROAD	Service Station	Regulation under CLM Act not required	-36.05496713	146.9487635
NORTH BOAMBEE VALLEY	Caltex Service Station	Cnr Pacific Hwy & Halls ROAD	Service Station	Regulation under CLM Act not required	-30.30639482	153.1007996
NORTH BONDI	Caltex Service Station North Bondi	321 Old South Head ROAD	Service Station	Regulation under CLM Act not required	-33.88463526	151.268551
NORTH NARRABEEN	7-Eleven Service Station	1501-1503 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.70749859	151.296351

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
NORTH RICHMOND	Caltex Service Station	50 Bells Line Of ROAD	Service Station	Regulation under CLM Act not required	-33.57991338	150.7202346
NORTH ROCKS	7-Eleven Service Station North Rocks	340 North Rocks ROAD	Service Station	Regulation under CLM Act not required	-33.76895144	151.0305952
NORTH ST MARYS	BP Service Station	76 Glossop STREET	Service Station	Regulation under CLM Act not required	-33.76020183	150.7818149
NORTH STRATHFIELD	Budget Service Station	143 Concord ROAD	Service Station	Regulation under CLM Act not required	-33.85945248	151.0927853
NORTH STRATHFIELD	Former Caltex Service Station	92a Concord ROAD	Service Station	Regulation under CLM Act not required	-33.86244297	151.0932434
NORTH SYDNEY	Iora Complex	1 Kiara PLACE	Gasworks	Regulation under CLM Act not required	-33.843145	151.2161142
NORTH SYDNEY	Neutral Bay Sediments	Adjacent to Sub Base Platypus, High STREET	Gasworks	Contamination formerly regulated under the CLM Act	-33.842724	151.2174523
NORTH SYDNEY	Sub Base Platypus (previously HMAS Platypus)	High STREET	Gasworks	Contamination formerly regulated under the CLM Act	-33.84325935	151.2170347
NORTH WOLLONGONG	Former Mobil Depot	122-126 Montague STREET	Other Petroleum	Regulation under CLM Act not required	-34.40988259	150.8939374
NORTHMEAD	Former Prestige Plastics	1C Redbank ROAD	Other Industry	Regulation under CLM Act not required	-33.79716925	150.989926
NORTHMEAD	Coles Express Service Station Northmead	197 Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.77741733	151.0001719
NORTHMEAD	Sydney Water Land	51c Hammers ROAD	Landfill	Regulation under CLM Act not required	-33.7887535	150.9858088
NORTHMEAD	Caltex Service Station	98-100 Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.78786563	150.9945909
NORTHMEAD	7-Eleven Service Station Northmead	56 Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.79090731	150.9967332
NOWRA	Former Gasworks Managers Residence	24 Osborne STREET	Gasworks	Regulation under CLM Act not required	-34.8708875	150.5992586

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
NOWRA	Fire Station	69 Bridge ROAD	Gasworks	Regulation under CLM Act not required	-34.87081582	150.6004881
NOWRA	Historically Filled Land	70 Bridge ROAD	Unclassified	Regulation under CLM Act not required	-34.87081809	150.6013231
NOWRA	Shell Coles Express Service Station	55 Kinghorne STREET	Service Station	Regulation under CLM Act not required	-34.87633757	150.6023481
NOWRA	Former gasworks	Lamonds LANE	Gasworks	Contamination currently regulated under CLM Act	-34.87111182	150.6000803
NOWRA	Former Hollingworth Scrap Yard	72-74 Jervis and 117 East STREET	Other Industry	Regulation under CLM Act not required	-34.88324216	150.6034361
NOWRA	Woolworths Service Station	60 North Street STREET	Service Station	Regulation under CLM Act not required	-34.87266278	150.6014052
NOWRA	Harry Sawkins Park	Bounded by Princes Hwy, Graham St & McGrath AVENUE	Gasworks	Regulation under CLM Act not required	-34.87093993	150.6037157
NOWRA EAST	Mobil Service Station	Lot 3 Kalandar STREET	Service Station	Contamination formerly regulated under the CLM Act	-34.88850535	150.6093504
NYNGAN	Caltex Service Station	39-41 Pangee STREET	Service Station	Regulation under CLM Act not required	-31.56101006	147.1914997
NYNGAN	Caltex Service Station	126 Pangee STREET	Service Station	Regulation under CLM Act not required	-31.56482841	147.2002892
OAK FLATS	Shellharbour City Works Depot	132 Industrial ROAD	Other Industry	Regulation under CLM Act not required	-34.56546013	150.8087225
OBERON	Caltex Service Station and Depot	Lowes Mount ROAD	Service Station	Regulation under CLM Act not required	-33.69509055	149.8570553
OBERON	Oberon Timber Complex	Lowes Mount ROAD	Other Industry	Regulation under CLM Act not required	-33.69264862	149.8564588
OBERON	Former Shell Depot	32 O'Connell ROAD	Other Petroleum	Regulation under CLM Act not required	-33.6997172	149.8450057
OBERON	CSR Ltd Property and King's Stockyard Creek	Off Endeavour STREET	Other Industry	Contamination formerly regulated under the CLM Act	-33.6922152	149.8686909

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
OCEAN SHORES	Former Ocean Shores Service Station	Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-28.51270299	153.5301496
OLD GUILDFORD	Caltex Service Station	636-644 Woodville ROAD	Service Station	Regulation under CLM Act not required	-33.86670857	150.9879189
ORANGE	Former Fuel Depot	24-28 Peisley STREET	Other Petroleum	Contamination currently regulated under CLM Act	-33.29624293	149.1017277
ORANGE	Caltex Orange Depot	184 Byng STREET	Service Station	Regulation under CLM Act not required	-33.28285589	149.1050273
ORANGE	Woolworths Orange Service Station	357-361 Summer Street, corner William STREET	Service Station	Regulation under CLM Act not required	-33.28445811	149.1053604
ORANGE	BP Orange Service Station (Reliance Petroleum)	81 Summer STREET	Service Station	Regulation under CLM Act not required	-33.2825884	149.0951535
ORANGE	BP-Branded Lowes Petroleum Depot	197 - 201 Margaret STREET	Other Petroleum	Regulation under CLM Act not required	-33.27145977	149.1078103
ORANGE	Caltex Summer Street Service Station Orange	70-74 Summer Street, corner Hill STREET	Service Station	Regulation under CLM Act not required	-33.28311722	149.0940712
ORANGE	Lowes Petroleum (BP-branded) Service Station	76 Peisley STREET	Service Station	Regulation under CLM Act not required	-33.29025034	149.1027194
ORANGE	Former Mobil Service Station	24-28 Bathurst ROAD	Service Station	Regulation under CLM Act not required	-33.2866912	149.1066505
ORANGE	BP (Reliance Petroleum) Service Station Orange	56-60 Bathurst ROAD	Service Station	Regulation under CLM Act not required	-33.28980053	149.1086212
ORANGE	Former Mobil Service Station	168 Peisley STREET	Service Station	Regulation under CLM Act not required	-33.28525478	149.1037259
ORANGE	5-7 Edward St Orange	5-7 Edward STREET	Other Industry	Contamination currently regulated under CLM Act	-33.2991077	149.1034092
OURIMBAH	Palmdale Service Centre Pty Ltd	3130 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.3381336	151.374586
OURIMBAH	United Ourimbah	51 Pacific HIGHWAY	Service Station	Under assessment	-33.36025941	151.3694483

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
OURIMBAH	Shell Coles Express Service Station	78-80 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.3468202	151.3710098
OXLEY VALE	Hayes Transport Services	10 Manilla ROAD	Other Petroleum	Regulation under CLM Act not required	-31.06991417	150.9101381
OYSTER BAY	Shell Coles Express Service Station	20 Carvers ROAD	Service Station	Contamination currently regulated under CLM Act	-34.00934475	151.0758626
OYSTER COVE	Cove Marine Pty Ltd	60 Frederick STREET	Unclassified	Contamination currently regulated under POEO Act	-32.73549959	151.952446
PADDINGTON	7-Eleven Service Station	59 Oxford STREET	Service Station	Contamination currently regulated under CLM Act	-33.88322921	151.2205024
PADDINGTON	Former Workshop	52 Hopewell STREET	Other Industry	Regulation under CLM Act not required	-33.881947	151.222074
PADSTOW	Caltex Padstow	115 Fairford ROAD	Service Station	Regulation under CLM Act not required	-33.9434571	151.0345671
PADSTOW	Selleys / Dulux	1-29 Gow STREET	Chemical Industry	Regulation under CLM Act not required	-33.93904125	151.0381725
PADSTOW	Former Exide Battery Manufacturing & Recycling	55 Bryant STREET	Other Industry	Contamination currently regulated under CLM Act	-33.94265241	151.0378986
PADSTOW	Galvatech	49 Gow STREET	Metal Industry	Contamination currently regulated under POEO Act	-33.93808679	151.0346862
PADSTOW	Foseco Australia	7 Stuart STREET	Chemical Industry	Regulation under CLM Act not required	-33.94342957	151.0377316
PADSTOW	Sebel Furniture	Parts 64 and 92 Gow STREET	Other Industry	Regulation under CLM Act not required	-33.93606752	151.0322057
PAGEWOOD	Former Email Site	Corner of Page Street and Holloway STREET	Metal Industry	Contamination currently regulated under CLM Act	-33.94302462	151.2132036
PAMBULA	Offsite area (roadways) adjacent to United Service Station Pambula (former Shell)	Corner Quondola Street and Bullara STREET	Service Station	Regulation under CLM Act not required	-36.93104481	149.8746763
PARKES	Caltex Service Station Parkes	352-360 Clarinda STREET	Service Station	Regulation under CLM Act not required	-33.13317454	148.173643

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PARKES	Former Caltex Parkes (Mugincoble) Depot - Eugowra Rd, Mugincoble	Eugowra ROAD	Service Station	Regulation under CLM Act not required	-33.19007031	148.224822
PARKES	BP Truckstop	(Newell Highway) 1 Forbes ROAD	Other Petroleum	Regulation under CLM Act not required	-33.14309226	148.1710282
PARKES	Former BP Telescope Service Station	339-341 Clarinda STREET	Service Station	Regulation under CLM Act not required	-33.13216152	148.1743239
PARKES	BP Reliance East End Service Station Parkes	46 Clarinda STREET	Service Station	Regulation under CLM Act not required	-33.14243539	148.1846227
PARKES	Former Parkes Gas Works (including Rail Corridor and offsite land)	129 Woodward Street and land within the Parkes railway CORRIDOR	Gasworks	Contamination currently regulated under CLM Act	-33.146775	148.186353
PARKLEA	Caltex Parklea Service Station	Old Windsor (north of Miami Street) ROAD	Service Station	Regulation under CLM Act not required	-33.72427108	150.9388531
PARRAMATTA	BP Service Station	435 Church STREET	Service Station	Regulation under CLM Act not required	-33.80498714	151.0056151
PARRAMATTA	Coleman Oval Embankment	Cnr of Pitt STREET and Maquarie STREET	Unclassified	Regulation under CLM Act not required	-33.80441625	150.9954841
PARRAMATTA	7-Eleven (former Mobil) Service Station	81 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.80919769	151.0142894
PARRAMATTA	Parramatta Park Toilet Block Demolition	The Cresent Toilet Block Parramatta PARK	Unclassified	Regulation under CLM Act not required	-33.81054034	150.9961968
PAUPONG	Former Timber Treatment Plant	Off Paupong ROAD	Other Industry	Regulation under CLM Act not required	-36.57657408	148.6624998
PENDLE HILL	7-Eleven Service Station	217 Wentworth AVENUE	Service Station	Regulation under CLM Act not required	-33.8017814	150.9577994
PENNANT HILLS	Shell Coles Express Pennant Hills West	386 Pennant Hills ROAD	Service Station	Contamination currently regulated under CLM Act	-33.73928611	151.0679704
PENRITH	Mirvac Industrial Site	2101 Castlereagh ROAD	Other Industry	Regulation under CLM Act not required	-33.73497514	150.6954097
PENRITH	7-Eleven (former Mobil) Service Station	212-222 Andrews ROAD	Service Station	Regulation under CLM Act not required	-33.73059678	150.6952571

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PENRITH	Lowes Petroleum (Former Mobil) Depot Penrith	174 Coreen AVENUE	Other Petroleum	Regulation under CLM Act not required	-33.74484268	150.6980504
PENRITH	Caltex Service Station	Castlereagh Rd Cnr Lugard STREET	Service Station	Regulation under CLM Act not required	-33.73426843	150.6933382
PENRITH	BP Express Service Station	Corner Coreen Avenue and Castlereagh ROAD	Service Station	Regulation under CLM Act not required	-33.74385498	150.6925743
PENRITH	Crane Enfield Metals	Castlereagh ROAD	Metal Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.73734959	150.696442
PENRITH	7-Eleven Service Station Penrith	30 Henry STREET	Service Station	Regulation under CLM Act not required	-33.75408799	150.7045594
PENRITH	Caltex Penrith Service Station	153 Coreen AVENUE	Service Station	Regulation under CLM Act not required	-33.74287244	150.6927071
PENRITH	Jet 60 Dry Cleaners	Shop 3 134-138 Henry STREET	Unclassified	Regulation under CLM Act not required	-33.75231953	150.6964541
PENRITH	St Mary's Shopping Village	Charles Hackett DRIVE	Other Industry	Regulation under CLM Act not required	-33.766814	150.770363
PENRITH	Former Dry Cleaners	Shop 3, 134-138 Henry STREET	Other Industry	Regulation under CLM Act not required	-33.75231953	150.6964541
PENSHURST	7-Eleven Service Station	612 Forest ROAD	Service Station	Regulation under CLM Act not required	-33.96153533	151.0793525
PENSHURST	Caltex Service Station	641 King Georges ROAD	Service Station	Regulation under CLM Act not required	-33.95985335	151.0891118
PERISHER VALLEY	Perisher Centre Loading Dock	Kosciuszko ROAD	Other Petroleum	Regulation under CLM Act not required	-36.40392862	148.4111593
PERISHER VALLEY	Perisher Ski Resort	Kosciuszko ROAD	Other Petroleum	Regulation under CLM Act not required	-36.41106374	148.4005469
PETERSHAM	Fanny Durack Aquatic Centre	Station STREET	Unclassified	Regulation under CLM Act not required	-33.89194583	151.151824
PHEASANTS NEST	7-Eleven Service Station	(Southbound) Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-34.28291571	150.6394606

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PHEASANTS NEST	7-Eleven (former Mobil) Service Station	(Northbound) Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-34.28303112	150.6363145
PICTON	Coles Express Picton	93-99 Argyle STREET	Service Station	Regulation under CLM Act not required	-34.16844337	150.6114236
PICTON	McDonalds	69 -71 Argyle STREET	Service Station	Regulation under CLM Act not required	-34.16711877	150.6121524
PITT TOWN	Whites Water Service	1 Canning PLACE	Other Industry	Under preliminary investigation order	-33.574095	150.881258
PLUMPTON	Woolworths Service Station Plumpton (Plumpton Marketplace Shops)	260 Jersey ROAD	Service Station	Regulation under CLM Act not required	-33.74478874	150.8369408
PORT BOTANY	Vopak B	20 Friendship ROAD	Chemical Industry	Regulation under CLM Act not required	-33.97946548	151.2121752
PORT BOTANY	Vopak A	49 Friendship ROAD	Chemical Industry	Regulation under CLM Act not required	-33.97426175	151.2206228
PORT BOTANY	Terminals	45 Friendship ROAD	Chemical Industry	Regulation under CLM Act not required	-33.97609287	151.2174402
PORT BOTANY	Bunnerong Canal	Between Brotherson Dock and Bumborah Point ROAD	Unclassified	Regulation under CLM Act not required	-33.96798227	151.2230052
PORT BOTANY	Bulk Liquids Berth UPSS, Port Botany	Charlotte ROAD	Other Petroleum	Regulation under CLM Act not required	-33.97386329	151.2120157
PORT BOTANY	Port Operations Centre UPSS, Port Botany	Penrhyn ROAD	Other Petroleum	Regulation under CLM Act not required	-33.96803686	151.2205968
PORT BOTANY	Port Botany Railway Corridors	Friendship ROAD	Other Industry	Regulation under CLM Act not required	-33.95467008	151.2178012
PORT BOTANY	Smith Bros	4 Bumborah Point ROAD	Other Petroleum	Regulation under CLM Act not required	-33.9681757	151.2239505
PORT BOTANY	Vopak Terminals	21 Fishburn ROAD	Other Industry	Under assessment	-33.978961	151.217144
PORT KEMBLA	Coates Hire Facility (Eastern Portion)	1 Flinders STREET	Other Industry	Regulation under CLM Act not required	-34.47104817	150.89162

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PORT KEMBLA	Shell Port Kembla CVRO	87-89 Flinders STREET	Other Petroleum	Regulation under CLM Act not required	-34.46964995	150.8953859
PORT KEMBLA	Darcy Road Rail Sidings	Darcy ROAD	Other Industry	Regulation under CLM Act not required	-34.47792834	150.9105503
PORT KEMBLA	No 2 Steelworks	Five Islands ROAD	Metal Industry	Regulation under CLM Act not required	-34.45965024	150.8844432
PORT KEMBLA	Port Kembla Orica	Foreshore Road and Darcy ROAD	Other Industry	Contamination currently regulated under CLM Act	-34.47773583	150.9054545
PORT KEMBLA	Port Kembla, Auszinc Metals and Alloys	Lot 2 Shellharbour ROAD	Metal Industry	Regulation under CLM Act not required	-34.49335414	150.8961205
PORT KEMBLA	South Yard Rail Sidings	Lot 3 Old Port ROAD	Unclassified	Regulation under CLM Act not required	-34.47500551	150.8951759
PORT KEMBLA	Manildra Park	Flinders STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-34.46946878	150.8935731
PORT KEMBLA	Port Kembla Copper Smelter	Military ROAD	Metal Industry	Contamination currently regulated under POEO Act	-34.4810006	150.9063426
PORT KEMBLA	Caltex Service Station	16 Flinders STREET	Service Station	Regulation under CLM Act not required	-34.47058088	150.8945864
PORT KEMBLA	BHP Area 21	Springhill ROAD	Metal Industry	Contamination formerly regulated under the CLM Act	-34.45244614	150.8676517
PORT KEMBLA	Port Kembla Steelworks Recycling Area	Springhill ROAD	Unclassified	Regulation under CLM Act not required	-34.45271181	150.8677127
PORT KEMBLA	Commonwealth Rolling Mills (CRM)	Old Port ROAD	Metal Industry	Regulation under CLM Act not required	-34.47476117	150.8974746
PORT KEMBLA	Port Kembla, Former Electricity Commission Site	Old Port Road/Christie Drive ROAD	Other Industry	Regulation under CLM Act not required	-34.46899143	150.8982854
PORT KEMBLA	Port Kembla Steelworks - Steelhaven	Five Islands ROAD	Other Industry	Regulation under CLM Act not required	-34.47605247	150.891144
PORT KEMBLA	Port Kembla Steelworks - No.1 Works Site	Five Islands ROAD	Metal Industry	Regulation under CLM Act not required	-34.47386606	150.8794912

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PORT KEMBLA	Port Kembla Springhill Works	Springhill ROAD	Metal Industry	Regulation under CLM Act not required	-34.45905808	150.8749558
PORT MACQUARIE	Former Mobil Depot	211 Lake ROAD	Other Petroleum	Regulation under CLM Act not required	-31.44688513	152.8864499
PORT MACQUARIE	Caltex Service Station	112-114 Gordon STREET	Service Station	Regulation under CLM Act not required	-31.43491709	152.9047618
PORT MACQUARIE	Caltex Port Macquarie Service Station	29 Lord STREET	Service Station	Regulation under CLM Act not required	-31.43326436	152.9169873
PORT MACQUARIE	Coles Myer	43 John Oxley DRIVE	Service Station	Regulation under CLM Act not required	-31.45741442	152.8739626
PORT MACQUARIE	Air BP Avgas Facility	Oliver DRIVE	Other Petroleum	Regulation under CLM Act not required	-31.43227222	152.8681083
PORT MACQUARIE	Former Mobil Service Station	Corner Oxley Highway and Major Innes DRIVE	Service Station	Regulation under CLM Act not required	-31.45738931	152.873956
PORT MACQUARIE	Port Macquarie Council Depot	Koala STREET	Unclassified	Regulation under CLM Act not required	-31.45341586	152.9032764
PORT MACQUARIE	Shell Coles Express Port Macquarie Service Station	121 Gordon STREET	Service Station	Regulation under CLM Act not required	-31.4343131	152.9046869
PORT MACQUARIE	Caltex Service Station	92 Hastings River DRIVE	Service Station	Regulation under CLM Act not required	-31.42934052	152.8830188
PORT MACQUARIE	Caltex Service Station	12-14 Bolwarra ROAD	Service Station	Regulation under CLM Act not required	-31.45015286	152.8854769
PORT MACQUARIE	Car park	28 Hayward STREET	Other Industry	Regulation under CLM Act not required	-31.43385131	152.9072399
PORTLAND	Ivanhoe Colliery	Pipers Flat ROAD	Other Industry	Regulation under CLM Act not required	-33.36595748	150.0099577
PORTLAND	Mt Piper Power Station	350 Boulder ROAD	Other Petroleum	Regulation under CLM Act not required	-33.35581541	150.0350801
PRAIRIEWOOD	7-Eleven (former Caltex) Service Station	485-487 Smithfield ROAD	Service Station	Regulation under CLM Act not required	-33.87102509	150.9031383

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PROSPECT	7-Eleven (former Mobil) Service Station Prospect	354 Flushcombe ROAD	Service Station	Regulation under CLM Act not required	-33.79541624	150.9049417
PROSPECT	Pincott's Cottage, Gate C1	Off Reservoir ROAD	Unclassified	Regulation under CLM Act not required	-33.81589773	150.9144343
PROSPECT	Gatehouse, 544 Reservoir Road	544 Reservoir ROAD	Unclassified	Regulation under CLM Act not required	-33.81049244	150.9157439
PROSPECT	Cottage 3, William Lawson Drive	William Lawson DRIVE	Unclassified	Regulation under CLM Act not required	-33.81490331	150.9149885
PUNCHBOWL	Former BP Service Station	1375 Canterbury Road, corner Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.93170424	151.0537302
PUNCHBOWL	Punchbowl Laundry	42-44 Belmore ROAD	Chemical Industry	Contamination currently regulated under CLM Act	-33.93582701	151.0562638
PUNCHBOWL	Caltex Service Station Punchbowl	1285-1289 Canterbury ROAD	Service Station	Regulation under CLM Act not required	-33.93146308	151.0596348
PUTNEY	Putney Marina	20 Waterview STREET	Other Industry	Regulation under CLM Act not required	-33.82608091	151.1003966
PYMBLE	Caltex Service Station	1089 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.74102977	151.1385257
PYMBLE	Shell Coles Express Service Station	21 Ryde ROAD	Service Station	Regulation under CLM Act not required	-33.75198512	151.1438115
PYMBLE	Former 3M site	950 Pacific HIGHWAY	Gasworks	Regulation under CLM Act not required	-33.75050288	151.1460578
PYMBLE	Pymble West Dry Cleaners	6 Philip MALL	Other Industry	Under preliminary investigation order	-33.76109009	151.1284329
PYRMONT	Former Council Works Depot (Fig and Wattle Depot)	14-26 Wattle STREET	Other Industry	Regulation under CLM Act not required	-33.8752655	151.1942645
QUAKERS HILL	7-Eleven (former Mobil) Service Station	83 Lalor ROAD	Service Station	Regulation under CLM Act not required	-33.72759077	150.8966764
QUAKERS HILL	BP Branded Parkway (Former Caltex) Service Station Quakers Hill	450 Quakers Hill PARKWAY	Service Station	Regulation under CLM Act not required	-33.72998613	150.9023617

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
QUEANBEYAN	Former Mobil Service Station	153 Uriarra ROAD	Service Station	Regulation under CLM Act not required	-35.34425514	149.2148687
QUEANBEYAN	Bill Lilley Automotive	169 Crawford STREET	Service Station	Regulation under CLM Act not required	-35.35138121	149.232486
QUEANBEYAN	Woolworths Queanbeyan Service Station	196 Crawford (Cnr Morisset St) STREET	Service Station	Regulation under CLM Act not required	-35.35163055	149.2335759
QUEANBEYAN	Caltex Queanbeyan Service Station	88 Macquoid (also known as Bungendore Rd) STREET	Service Station	Regulation under CLM Act not required	-35.34930535	149.2438607
QUEANBEYAN	Former Mobil Emoleum Depot	109-111 High STREET	Other Petroleum	Regulation under CLM Act not required	-35.3396115	149.237556
QUEANBEYAN	Former Caltex Depot	20-30 Railway STREET	Other Petroleum	Regulation under CLM Act not required	-35.34187485	149.2247277
QUEANBEYAN EAST	BP-Branded Service Station Queanbeyan	50 Yass ROAD	Service Station	Regulation under CLM Act not required	-35.34126641	149.2445103
QUEANBEYAN WEST	Caltex Service Station	Lanyon Dr Cnr Mccrae St (1 Suraci Place) STREET	Service Station	Regulation under CLM Act not required	-35.36372923	149.2067531
QUIRINDI	Former Mobil Depot Quirindi	4-6 Cross STREET	Other Petroleum	Regulation under CLM Act not required	-31.49903355	150.681972
QUIRINDI	Tamarang ServiCentre Quirindi	113-117 Station (also known as 119-121 Nowland) STREET	Service Station	Under assessment	-31.50179204	150.6814611
QUIRINDI	Caltex Service Station, Quirindi	199-201 George STREET	Service Station	Regulation under CLM Act not required	-31.5068778	150.6805874
RAMSGATE	Shell Coles Express Service Station	Grand Parade cnr Ramsgate ROAD	Service Station	Regulation under CLM Act not required	-33.98537988	151.1471234
RANDWICK	7-Eleven Service Station	126-130 Barker STREET	Service Station	Contamination currently regulated under CLM Act	-33.92096152	151.2355927
RANDWICK	Caltex Service Station	2 Alison ROAD	Service Station	Regulation under CLM Act not required	-33.9065752	151.2320697
RANDWICK	Metro Petroleum	345 Avoca STREET	Service Station	Regulation under CLM Act not required	-33.92544832	151.2396799

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
RANDWICK	Service Station, Randwick	33-37 Carrington ROAD	Service Station	Contamination currently regulated under CLM Act	-33.90655015	151.2525065
RAVENSWORTH	Ravensworth Operations Narama Mine	Lemington ROAD	Other Industry	Regulation under CLM Act not required	-32.47115903	151.0359579
RAVENSWORTH	Cumnock Colliery	Pikes Gully ROAD	Other Industry	Regulation under CLM Act not required	-32.40218281	150.9960082
RAYMOND TERRACE	Shell Coles Express Raymond Terrace	107 Adelaide (formerly Pacific Highway) STREET	Service Station	Regulation under CLM Act not required	-32.76110922	151.7492847
RAYMOND TERRACE	Caltex Service Station Raymond Terrace	136 Adelaide Street, corner Glenelg STREET	Service Station	Regulation under CLM Act not required	-32.76503842	151.7425264
RAYMOND TERRACE	Former Motor Registry	53 William STREET	Other Petroleum	Regulation under CLM Act not required	-32.76286473	151.7445839
RAYMOND TERRACE	Raymond Terrace Wastewater Treatment Works	22 Elizabeth AVENUE	Other Industry	Regulation under CLM Act not required	-32.774658	151.749978
REDFERN	BP Service Station	116 Regent STREET	Service Station	Regulation under CLM Act not required	-33.89367876	151.1995256
REDFERN	Former Printing Works	101a Marriott STREET	Other Industry	Regulation under CLM Act not required	-33.89512556	151.2113422
REDFERN	BP-branded Jasbe Surry Hills	411 Cleveland STREET	Service Station	Regulation under CLM Act not required	-33.89183974	151.2132466
REDFERN	Surry Hills Shopping Village	397-399 Cleveland & 2-38 Baptist STREET	Other Industry	Regulation under CLM Act not required	-33.89229521	151.2119397
REVESBY	Dorf Clark Industries	184-194 Milperra ROAD	Metal Industry	Regulation under CLM Act not required	-33.93387149	151.000553
REVESBY	Bituminous Products	33-35 Violet STREET	Chemical Industry	Contamination currently regulated under CLM Act	-33.93702092	151.0067896
REVESBY	Mirotone Pty Ltd	21 Marigold STREET	Chemical Industry	Contamination currently regulated under POEO Act	-33.93559608	151.0002207
REVESBY	Caltex Service Station Revesby	181 The River ROAD	Service Station	Regulation under CLM Act not required	-33.95573605	151.0171779

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
RHODES	Homebush Bay Sediments adjoining the former UCAL and Allied Feeds sites	Homebush BAY	Chemical Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.8263749	151.0839216
RHODES	Former Glad factory site	10-16 Marquet STREET	Chemical Industry	Regulation under CLM Act not required	-33.82884048	151.0848716
RHODES	Former Allied Feeds site	Walker STREET	Other Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.82465376	151.0870401
RHODES	Former UCAL site	Walker STREET	Chemical Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.82727505	151.0853195
RHODES	Homebush Bay sediments adjoining former Berger Paint factory	Oulton AVENUE	Chemical Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.83535308	151.083238
RICHMOND	Caltex Richmond Service Station	98 March (Cnr East Market St) STREET	Service Station	Regulation under CLM Act not required	-33.59937996	150.7514483
RIVERSTONE	Axalta Coating Systems	15-23 Melbourne ROAD	Other Industry	Regulation under CLM Act not required	-33.6636649	150.8557519
RIVERSTONE	7-Eleven Riverstone	55 Garfield ROAD	Service Station	Regulation under CLM Act not required	-33.67802232	150.8635246
RIVERSTONE	Woolworths Vineyard Service Station, Riverstone	1 Woodland Street, corner of Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.65607641	150.8724067
RIVERSTONE	Vacant Commercial Land	88-94 Junction ROAD	Unclassified	Regulation under CLM Act not required	-33.66226398	150.8789967
RIVERWOOD	7-Eleven Riverwood	30 Bonds ROAD	Service Station	Regulation under CLM Act not required	-33.9523701	151.0583887
ROCKDALE	7-Eleven (former Mobil) Service Station	293 West Botany STREET	Service Station	Regulation under CLM Act not required	-33.94995672	151.1484667
ROCKDALE	7-Eleven Service Station	99 Railway STREET	Service Station	Regulation under CLM Act not required	-33.95247322	151.1356785
ROCKDALE	Lindsay St, Rockdale	7 Lindsay STREET	Other Industry	Under assessment	-33.95900867	151.1436466
ROOTY HILL	7-Eleven (former Mobil) Service Station	106 Rooty Hill Road South ROAD	Service Station	Regulation under CLM Act not required	-33.78036181	150.8501998

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ROOTY HILL	7-Eleven (former Mobil) Service Station	1042 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.78214955	150.8287656
ROOTY HILL	Infrabuild NSW Pty Ltd (formerly OneSteel NSW Pty Ltd)	22 Kellogg ROAD	Other Industry	Under assessment	-33.76664143	150.8493465
ROSE BAY	Caltex Rose Bay Service Station	488 Old South Head ROAD	Service Station	Regulation under CLM Act not required	-33.87475145	151.2723847
ROSE BAY	Rose Bay Budget Service station	638-646 New South Head ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.87062149	151.2677617
ROSEBERY	Autofoil P/L	2 Mentmore AVENUE	Other Industry	Regulation under CLM Act not required	-33.91121318	151.2054882
ROSEBERY	Caltex Rosebery Service Station	321 Gardeners (Cnr Macquarie St) ROAD	Service Station	Contamination currently regulated under CLM Act	-33.92302898	151.2059541
ROSEBERY	Former Industrial Site (Former Electroplating Facility)	108 Dunning AVENUE	Other Industry	Regulation under CLM Act not required	-33.91630811	151.201557
ROSEBERY	Rosebery Service Station	395 Gardeners ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.92246784	151.2024589
ROSEHILL	James Hardie Australia and former James Hardie lands	Devon STREET	Landfill	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.82539019	151.0339466
ROSEHILL	2 Ritchie Street, Rosehill	2 Ritchie STREET	Unclassified	Contamination formerly regulated under the CLM Act	-33.82691192	151.0154948
ROSEHILL	James Hardie Factory (former, western portion)	181 James Ruse DRIVE	Other Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.81605834	151.0238145
ROSELANDS	Roselands Shopping Centre	24 Roseland AVENUE	Service Station	Regulation under CLM Act not required	-33.93499281	151.0691284
ROSELANDS	Woolworths Caltex Petrol Service Station Roselands	218 King Georges ROAD	Service Station	Regulation under CLM Act not required	-33.93303118	151.0735036
ROSELANDS	7-Eleven (former Mobil) Service Station	91 Canary's ROAD	Service Station	Regulation under CLM Act not required	-33.93356078	151.0736274
ROSEVILLE	Mobil Service Station	2 Boundary STREET	Service Station	Regulation under CLM Act not required	-33.78769177	151.1796011

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ROSEVILLE CHASE	Coles Express Roseville Chase	388 Eastern Valley WAY	Service Station	Regulation under CLM Act not required	-33.78337722	151.1973901
ROZELLE	Caltex Service Station	121 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.86252996	151.168497
ROZELLE	7-Eleven (former Mobil) Service Station	178-180 (176-184) Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.8630268	151.1680857
ROZELLE	Kennards Rozelle	15-39 Wellington STREET	Other Petroleum	Regulation under CLM Act not required	-33.86176757	151.1686519
ROZELLE	White Bay Power Station	Robert STREET	Other Industry	Regulation under CLM Act not required	-33.86674636	151.1772204
ROZELLE	BP Service Station	Corner Darling Street and Thornton STREET	Service Station	Regulation under CLM Act not required	-33.8591647	151.1716591
RUFUS RIVER	SA Water Depot - Rufus River	Old Wentworth STREET	Other Petroleum	Regulation under CLM Act not required	-34.04191512	141.2679475
RUSHCUTTERS BAY	d'Albora Marinas	1b New Beach ROAD	Other Industry	Contamination currently regulated under POEO Act	-33.87351297	151.2345082
RUTHERFORD	Rutherford Transpacific	11 Kyle STREET	Other Industry	Regulation under CLM Act not required	-32.71105203	151.500311
RUTHERFORD	Shell Coles Express Service Station Rutherford	118 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-32.7208703	151.5394595
RUTHERFORD	Caltex Service Station	134-138 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-32.7202589	151.5381526
RUTHERFORD	Transpacific Industrial Services/Nationwide Oil Pty Ltd	99 Kyle STREET	Chemical Industry	Regulation under CLM Act not required	-32.71262159	151.5013865
RYDALMERE	Caltex Service Station	309 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.81196193	151.0371185
RYDALMERE	Mitsubishi Electric	348 Victoria ROAD	Other Industry	Contamination currently regulated under CLM Act	-33.81040138	151.0392812
RYDALMERE	Rheem Australia	1 Alan STREET	Other Industry	Contamination formerly regulated under the CLM Act	-33.81545013	151.0295476

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
RYDALMERE	BP Service Station	265 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.8109483	151.0328101
RYDALMERE	Hunter Douglas	Victoria ROAD	Chemical Industry	Regulation under CLM Act not required	-33.81009112	151.0384732
RYDALMERE	United Petroleum (former 7-Eleven) Service Station Rydalmere	262-272 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.81006724	151.032377
RYDE	Shell Coles Express Ryde	45 Lane Cove ROAD	Service Station	Regulation under CLM Act not required	-33.80726028	151.109981
RYDE	Caltex Service Station	110 Lane Cove ROAD	Service Station	Regulation under CLM Act not required	-33.80142973	151.1137925
RYDE	7-Eleven (former Mobil) Service Station	326-328 Blaxland ROAD	Service Station	Regulation under CLM Act not required	-33.80242183	151.1004278
RYDE	Ryde Bus Depot	51 - 75 Buffalo ROAD	Other Petroleum	Regulation under CLM Act not required	-33.81679771	151.1225255
SANCTUARY POINT	United Service Station, Sanctuary Point	147 Larmer AVENUE	Service Station	Regulation under CLM Act not required	-35.09918861	150.6329537
SANDGATE	Caltex Service Station Sandgate	162 Maitland ROAD	Service Station	Regulation under CLM Act not required	-32.86501596	151.706161
SANDGATE	North Limited Storage Handling facility	Maitland ROAD	Other Industry	Contamination formerly regulated under the CLM Act	-32.86598453	151.7012866
SANS SOUCI	7-Eleven (Former Mobil) Service Station	474 Rocky Point ROAD	Service Station	Regulation under CLM Act not required	-33.99088939	151.1333779
SANS SOUCI	BP Sans Souci	520 Rocky Point ROAD	Service Station	Contamination currently regulated under CLM Act	-33.99246353	151.1323243
SANS SOUCI	Kendall Street Reserve	Lawson Street and Kendall STREET	Landfill	Under preliminary investigation order	-33.99966431	151.13005
SANS SOUCI	Former Service Station	542-544 Rocky Point ROAD	Service Station	Contamination was addressed via the planning process (EP&A Act)	-33.99376148	151.1316131
SANS SOUCI	Former 7-Eleven Ramsgate	368 Rocky Point ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.98615125	151.1359961

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
SCONE	Shell Coles Express Service Station	91- 93 Kelly STREET	Service Station	Contamination currently regulated under CLM Act	-32.04715941	150.8676346
SCONE	Scone Works Depot	220 Susan STREET	Other Petroleum	Regulation under CLM Act not required	-32.04444892	150.879152
SCONE	Mobil Scone Airport Elt	8 Walter Pye AVENUE	Other Petroleum	Regulation under CLM Act not required	-32.03596733	150.8323698
SCONE	BP - Former Depot	Scone St, Guernsey St & Susan STREET	Service Station	Contamination formerly regulated under the CLM Act	-32.04599284	150.8662046
SCONE	BP Scone	26 Kelly STREET	Service Station	Under assessment	-32.04033034	150.86549
SCONE	BP Scone Service Station	58 Kelly STREET	Service Station	Under assessment	-32.043776	150.866236
SEVEN HILLS	7-Eleven (Former Mobil) Service Station Seven Hills	151 Prospect HIGHWAY	Service Station	Regulation under CLM Act not required	-33.76894646	150.9427004
SEVEN HILLS	Australia Post	3 Powers ROAD	Unclassified	Regulation under CLM Act not required	-33.77434009	150.9395495
SEVEN HILLS	Car Park (Former Brickworks / Warehouse)	1 Powers ROAD	Other Industry	Regulation under CLM Act not required	-33.77387442	150.9379787
SEVEN HILLS	BP-branded Jasbe Petroleum Service Station	156 Prospect HIGHWAY	Service Station	Regulation under CLM Act not required	-33.76906502	150.9414821
SEVEN HILLS	Caltex Service Station	38 Abbott ROAD	Service Station	Regulation under CLM Act not required	-33.76692649	150.9548271
SEVEN HILLS	Caltex Service Station Seven Hills	105 Station ROAD	Service Station	Regulation under CLM Act not required	-33.77435881	150.9448733
SEVEN HILLS	Former Australian Waste Oil Refineries Site	27 Powers ROAD	Other Industry	Contamination formerly regulated under the CLM Act	-33.77536127	150.9511122
SHELLY BEACH	Former Shelly Beach Landfill	Oaks AVENUE	Landfill	Regulation under CLM Act not required	-33.36700551	151.4913631
SHORTLAND	Former Astra Street Landfill	2 (part) & 28 (part) Astra STREET	Landfill	Contamination currently regulated under CLM Act	-32.86716222	151.6966948

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
SHORTLAND	Tuxford Park landfill	10 King STREET	Landfill	Regulation under CLM Act not required	-32.87721139	151.6936837
SHORTLAND	Former Lorna St landfill	8/475 Sandgate ROAD	Landfill	Regulation under CLM Act not required	-32.87888726	151.7023245
SHORTLAND	7-Eleven (Former BP) Service Station	298-302 Sandgate ROAD	Service Station	Regulation under CLM Act not required	-32.8861645	151.6953912
SILVERWATER	Former Silverwater Landfill	Carnarvon ROAD	Landfill	Contamination currently regulated under CLM Act	-33.83506394	151.033214
SILVERWATER	Vacant property	103-105 Silverwater ROAD	Other Industry	Regulation under CLM Act not required	-33.83831374	151.0472576
SILVERWATER	Storage Facility	54-58 Derby STREET	Unclassified	Under assessment	-33.83855869	151.0478649
SILVERWATER	Former Printing Facility	46-58 Derby STREET	Unclassified	Under assessment	-33.83855869	151.0478649
SILVERWATER	Silverwater Correctional Complex	Holker STREET	Landfill	Regulation under CLM Act not required	-33.82944797	151.0567486
SINGLETON	BP Service Station Singleton	53 George (Cnr Macquarie St) STREET	Other Petroleum	Regulation under CLM Act not required	-32.56182325	151.1748054
SINGLETON	Singleton Gasworks	55-57 John STREET	Gasworks	Contamination formerly regulated under the CLM Act	-32.56774715	151.1658188
SINGLETON	Shell Coles Express Service Station	69-73 George STREET	Service Station	Regulation under CLM Act not required	-32.56297156	151.1755215
SINGLETON	Mobil Singleton Airport Elt	74B Range ROAD	Other Petroleum	Regulation under CLM Act not required	-32.60270846	151.1944828
SINGLETON	Putty Saw Mill	(via Singleton) Putty ROAD	Other Industry	Contamination currently regulated under CLM Act	-32.99958725	150.7111684
SINGLETON	NSW Mines Rescue Services - Singleton	6 Lachlan AVENUE	Other Industry	Regulation under CLM Act not required	-32.54537821	151.156584
SMITHFIELD	Caltex Smithfield	16-18 Tait STREET	Service Station	Regulation under CLM Act not required	-33.84596441	150.9435497

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
SMITHFIELD	Freestones	1 Hume ROAD	Other Petroleum	Regulation under CLM Act not required	-33.83577694	150.9310112
SMITHFIELD	Liquip International	13 Hume ROAD	Other Industry	Regulation under CLM Act not required	-33.83802635	150.9319034
SMITHFIELD	Coles Express (former Mobil) Service Station	678 The Horsley Drive, corner Smithfield ROAD	Service Station	Regulation under CLM Act not required	-33.85376154	150.9400104
SMITHFIELD	Former Landfill	Little STREET	Landfill	Contamination being managed via the planning process (EP&A Act)	-33.85025253	150.9411561
SOUTH ALBURY	BP Border Service Station	Corner Ebden Street and Wodonga PLACE	Service Station	Contamination currently regulated under CLM Act	-36.08875942	146.9093882
SOUTH BOWENFELS	Shell Coles Express Service Station	Lot 1 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.50589001	150.1238487
SOUTH COOGEE	Caltex South Coogee Service Station	169-173 Malabar ROAD	Service Station	Regulation under CLM Act not required	-33.93233184	151.2574377
SOUTH GRAFTON	Shell Coles Express Service Station	91 Bent STREET	Service Station	Regulation under CLM Act not required	-29.70605829	152.9400329
SOUTH GRAFTON	Former United (former Mobil) Service Station	Corner Pacific Highway and Charles STREET	Service Station	Regulation under CLM Act not required	-29.70814828	152.9412928
SOUTH GRAFTON	Former Caltex Service Station	46-58 Schwinghammer STREET	Service Station	Regulation under CLM Act not required	-29.71149672	152.9453337
SOUTH GRAFTON	Former Caltex Depot South Grafton	72-82 Swallow ROAD	Other Petroleum	Regulation under CLM Act not required	-29.73168549	152.944024
SOUTH GRAFTON	Caltex Service Station	Pacific Hwy Cnr Gwyder HIGHWAY	Service Station	Regulation under CLM Act not required	-29.70739015	152.9425508
SOUTH GRANVILLE	Enhance Service Station South Granville	2 Rawson ROAD	Service Station	Regulation under CLM Act not required	-33.86366193	151.0088768
SOUTH KEMPSEY	Caltex Service Station	52 Lachlan STREET	Service Station	Regulation under CLM Act not required	-31.09361084	152.8370796
SOUTH LISMORE	North Coast Petroleum (Former Mobil) Depot Lismore	19-21 Elliot ROAD	Other Petroleum	Regulation under CLM Act not required	-28.81212046	153.2661935

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
SOUTH LISMORE	Former Mobil Service Station	126 - 128 Union STREET	Service Station	Regulation under CLM Act not required	-28.81242175	153.267541
SOUTH LISMORE	Caltex Service Station	237 Union STREET	Service Station	Regulation under CLM Act not required	-28.82052708	153.2648111
SOUTH LISMORE	Former Mobil Depot	26-32 Phyllis STREET	Other Petroleum	Regulation under CLM Act not required	-28.81005206	153.2660073
SOUTH MURWILLUMBAH	Former Caltex Depot	39 Lundberg DRIVE	Service Station	Regulation under CLM Act not required	-28.332622	153.4212884
SOUTH MURWILLUMBAH	Caltex Service Station	1-7 Buchanan (Cnr Tweed Valley Way) STREET	Service Station	Regulation under CLM Act not required	-28.32687988	153.4093274
SOUTH MURWILLUMBAH	Former Mobil Depot	45 Wardrop STREET	Other Petroleum	Regulation under CLM Act not required	-28.33421395	153.3993772
SOUTH NOWRA	Caltex South Nowra	100 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.90516081	150.6029621
SOUTH PENRITH	7-Eleven Service Station	45 Aspen STREET	Service Station	Regulation under CLM Act not required	-33.77727694	150.7107228
SOUTH TAMWORTH	Coles Express Tamworth	251 - 253 Goonoo Goonoo ROAD	Service Station	Contamination currently regulated under CLM Act	-31.1118945	150.9228523
SOUTH TAMWORTH	Caltex Service Station	2 Kathleen Street, corner Kent STREET	Service Station	Regulation under CLM Act not required	-31.10361712	150.9186343
SOUTH WENTWORTHVILLE	Aldi Stores Development	331-339 Great Western HIGHWAY	Metal Industry	Regulation under CLM Act not required	-33.81605854	150.9697429
SOUTH WENTWORTHVILLE	Caltex Service Station	313 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.81643692	150.9718802
SOUTH WEST ROCKS	Former Trial Bay Caltex Depot	Phillip DRIVE	Other Petroleum	Regulation under CLM Act not required	-30.89190078	153.0573056
SOUTH WEST ROCKS	Former Shell Trial Bay Depot	Phillip DRIVE	Other Petroleum	Regulation under CLM Act not required	-30.89273836	153.0612772
SOUTH WEST ROCKS	Residential area and Reserve opposite Former Caltex terminal	Phillip DRIVE	Other Petroleum	Regulation under CLM Act not required	-30.89172594	153.0573164

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
SPRINGVALE	Springvale Colliery	Castlereagh HIGHWAY	Other Industry	Regulation under CLM Act not required	-33.40334736	150.1070462
ST CLAIR	7-Eleven (former Mobil) Service Station	4 Endeavour AVENUE	Service Station	Regulation under CLM Act not required	-33.79430926	150.7885793
ST IVES	7-Eleven (former Mobil) St Ives Service Station	157-159 Mona Vale Road, corner Putarri AVENUE	Service Station	Regulation under CLM Act not required	-33.73265301	151.1563899
ST IVES	Caltex Service Station	452 Mona Vale ROAD	Service Station	Regulation under CLM Act not required	-33.70752272	151.187545
ST IVES	Caltex Service Station	164 Mona Vale ROAD	Service Station	Regulation under CLM Act not required	-33.7307595	151.1570462
ST IVES	Caltex Service Station St Ives	363 Mona Vale ROAD	Service Station	Regulation under CLM Act not required	-33.7168971	151.1735263
ST IVES	Shell Service Station	179-181 Mona Vale ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.73124859	151.1575827
ST LEONARDS	Telstra Data Centre	4A Herbert STREET	Other Petroleum	Regulation under CLM Act not required	-33.81873741	151.1914222
ST MARYS	Former Woolworths Service Station	120-128 Forrester ROAD	Service Station	Regulation under CLM Act not required	-33.75525115	150.7752897
ST MARYS	7-Eleven (former Mobil) Service Station	2 Christie STREET	Service Station	Regulation under CLM Act not required	-33.74790843	150.7767667
ST MARYS	7-Eleven (former Mobil) Service Station	2 Wilson STREET	Service Station	Regulation under CLM Act not required	-33.77790415	150.771689
ST MARYS	Solveco	38 LINKS ROAD	Other Industry	Contamination currently regulated under CLM Act	-33.738673	150.771554
ST MARYS	Integral Energy Mt Druitt Transmission Substation	69 Kurrajong North ROAD	Other Industry	Regulation under CLM Act not required	-33.76376093	150.7921691
ST MARYS	Caltex St Marys Service Station	Wordoo St Cnr Forrester ROAD	Service Station	Regulation under CLM Act not required	-33.75334263	150.7755489
ST MARYS	Chemcolour Industries	19-25 Anne STREET	Chemical Industry	Regulation under CLM Act not required	-33.75027071	150.7725397

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ST MARYS	Old Drycleaning location	1-7 Queen STREET	Other Industry	Under assessment	-33.73873	150.771747
ST PETERS	Cooks River Rail Terminal	20 Canal ROAD	Unclassified	Regulation under CLM Act not required	-33.91943986	151.1726689
ST PETERS	Camdenville Park	May STREET	Other Industry	Regulation under CLM Act not required	-33.90911815	151.176951
ST PETERS	Former Tidyburn Facility	53 Barwon Park ROAD	Chemical Industry	Contamination formerly regulated under the CLM Act	-33.9130091	151.1809912
ST PETERS	BP Express Service Station	2 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-33.90982281	151.1809936
ST PETERS	Former Industrial Manufacturing Facility (Taubman's Paints)	75 Mary STREET	Other Industry	Regulation under CLM Act not required	-33.91307297	151.1731383
ST PETERS	Burrows Industrial Estate	1-3 Burrows ROAD	Landfill	Under assessment	-33.920035	151.17854
STANMORE	125 Corunna Road	125 Corunna ROAD	Unclassified	Regulation under CLM Act not required	-33.88937382	151.1644589
STOCKTON	Former Coroba Landfill	310 Fullerton STREET	Landfill	Regulation under CLM Act not required	-32.89807537	151.7896891
STRATHFIELD	7-Eleven (former Mobil) Service Station	577 Liverpool ROAD	Service Station	Regulation under CLM Act not required	-33.88736091	151.0743474
STRATHFIELD SOUTH	Former Landfill Site	7-9 Dunlop STREET	Landfill	Regulation under CLM Act not required	-33.89509698	151.0796751
STROUD	Stroud Fuel Supplies (Former Caltex) Service Station	1 Cowper STREET	Service Station	Regulation under CLM Act not required	-32.39092749	151.9563089
SUFFOLK PARK	BP Service Station	207-209 Broken Head ROAD	Service Station	Regulation under CLM Act not required	-28.68800088	153.6083821
SUFFOLK PARK	Suffolk Park dip site	Cnr Broken Head Road & Beech DRIVE	Cattle Dip	Regulation under CLM Act not required	-28.6874242	153.6072824
SURRY HILLS	Woolworths Petrol Surry Hills	475 Cleveland STREET	Service Station	Regulation under CLM Act not required	-33.89223271	151.2161434

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
SURRY HILLS	Former Legion Cabs (Trading) Cooperative	81 & 81A (Formerly 69 - 81) Foveaux STREET	Service Station	Regulation under CLM Act not required	-33.88470082	151.2107944
SURRY HILLS	Ausgrid Road Reserve	Mary STREET	Other Industry	Regulation under CLM Act not required	-33.88292195	151.2095176
SUTHERLAND	United Service Station and Sutherland Reservoir	1 to 3 Oxford STREET	Service Station	Contamination currently regulated under CLM Act	-34.029532	151.0579906
SUTHERLAND	7-Eleven Service Station	693 Old Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.02976735	151.0588789
SUTTON FOREST	Coles Express Sutton Forest West	Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-34.60808989	150.2250592
SWANSEA	Caltex Service Station	126 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.08811841	151.6381764
SWANSEA	Swansea 1 - Wastewater Pumping Station	137 and 137a Northcote AVENUE	Other Industry	Under assessment	-33.09745672	151.6473257
SYDENHAM	SRA Land	117 Railway PARADE	Other Industry	Regulation under CLM Act not required	-33.91560723	151.1656846
SYDENHAM	Sydenham XPT Maintenance Facility	Way STREET	Other Industry	Regulation under CLM Act not required	-33.91698468	151.1614089
SYDNEY	Interpro House (OSP 46581)	447 Kent STREET	Other Petroleum	Regulation under CLM Act not required	-33.87225413	151.204761
SYDNEY	Eurostar Dry Cleaners	100 Oxford STREET	Chemical Industry	Regulation under CLM Act not required	-33.879333	151.215668
SYDNEY OLYMPIC PARK	RMS Western Precinct	14A-14E and 16 Hill ROAD	Other Petroleum	Regulation under CLM Act not required	-33.82239777	151.0758664
SYDNEY OLYMPIC PARK	Haslams Creek South Area 3	At Kronos Hill, Kevin Coombes AVENUE	Landfill	Contamination formerly regulated under the CLM Act	-33.84113059	151.0602966
SYDNEY OLYMPIC PARK	Bicentennial Park	Bicentennial DRIVE	Landfill	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.84456248	151.0788116
SYDNEY OLYMPIC PARK	Former Golf Driving Range Landfill	Sarah Durack AVENUE	Landfill	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.85358517	151.0713987

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
SYDNEY OLYMPIC PARK	Kronos Hill Landfill	Kevin Coombes AVENUE	Landfill	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.84014442	151.0649521
SYDNEY OLYMPIC PARK	Wilson Park (Former oil gas plant site)	Newington ROAD	Gasworks	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.82633586	151.0534322
SYDNEY OLYMPIC PARK	Woo-la-ra Landfill	Hill ROAD	Landfill	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.82695807	151.07282
SYDNEY OLYMPIC PARK	Aquatic Centre Carpark Landfill	Shane Gould AVENUE	Landfill	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.85093439	151.0656713
SYDNEY OLYMPIC PARK	Blaxland Common Landfill	Jamieson STREET	Landfill	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.82638382	151.05972
SYLVANIA	Caltex Service Station	61 Port Hacking ROAD	Service Station	Regulation under CLM Act not required	-34.0140089	151.104212
SYLVANIA HEIGHTS	Caltex Service Station - Sylvania Heights	414-416 Princes HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-34.02361051	151.0895394
TALBINGO	Old Town Landfill	Bridle STREET	Landfill	Regulation under CLM Act not required	-35.59018237	148.3041771
TALBINGO	T3 Spoil dump and adjoining river sediments	Off Snowy Mountains HIGHWAY	Landfill	Contamination formerly regulated under the CLM Act	-35.6177268	148.2926158
TALBINGO	Former grit blasting site	Old Damsite ROAD	Other Industry	Regulation under CLM Act not required	-35.60894551	148.3030165
TAMINDA	Mobil Depot	9 Hinkler ROAD	Other Petroleum	Regulation under CLM Act not required	-31.09584286	150.9040493
TAMWORTH	Caltex Tamworth Service Station	109 Gunnedah ROAD	Service Station	Regulation under CLM Act not required	-31.09723226	150.8955299
TAMWORTH	Curlew Crescent	19-29 Curlew CRESCENT	Metal Industry	Regulation under CLM Act not required	-31.06963607	150.9069306
TAMWORTH	Former Service Station, Fitzpatrick Super Fund, Tamworth	210 Goonoo Goonoo ROAD	Service Station	Regulation under CLM Act not required	-31.10613594	150.9234143
TAMWORTH	Gunnedah Road Site	49 GUNNEDAH ROAD	Other Industry	Contamination formerly regulated under the CLM Act	-31.09574904	150.9021583

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
TAMWORTH	Elovera Former Sheep Dip	730 Ascot Calala ROAD	Cattle Dip	Regulation under CLM Act not required	-31.1801846	150.962897
TAMWORTH	Housing NSW	29 -33 White STREET	Other Petroleum	Regulation under CLM Act not required	-31.0915651	150.9357811
TAMWORTH	BP Tamworth Service Station and Depot	27-29 Gunnedah ROAD	Other Petroleum	Under assessment	-31.09642128	150.9058193
TAMWORTH	Former Mobil Service Station	373-375 Armidale ROAD	Service Station	Regulation under CLM Act not required	-31.10122679	150.9441341
TAMWORTH	Kensell's Mitsubishi	11-14 Kable AVENUE	Other Petroleum	Regulation under CLM Act not required	-31.08921565	150.9273063
TAMWORTH	Caltex Star Tamworth	21 White STREET	Service Station	Regulation under CLM Act not required	-31.09255137	150.9341709
TAMWORTH	Former Service Station Tamworth	(Cnr Scott Rd) 254-256 Goonoo Goonoo ROAD	Service Station	Regulation under CLM Act not required	-31.1118945	150.9228523
TAMWORTH	Cleanaway Operations Pty Ltd	31 Gunnedah ROAD	Other Industry	Under assessment	-31.09621029	150.9051567
TAMWORTH	Elgas Depot (former gasworks)	115 Marius STREET	Gasworks	Under preliminary investigation order	-31.08546191	150.926437
TAMWORTH	Proposed ALDI Store Tamworth	194-196 Peel STREET	Other Industry	Under assessment	-31.08522053	150.9260054
TARAGO	Tarago Railway Siding	Goulburn STREET	Other Industry	Contamination currently regulated under CLM Act	-35.0659976	149.6507068
TARCUTTA	Mobil Service Station	(Hume Highway) 32 Sydney STREET	Service Station	Contamination formerly regulated under the CLM Act	-35.2772942	147.73574
TAREE	Caltex Taree	12 Pitt STREET	Service Station	Regulation under CLM Act not required	-31.90551738	152.4783334
TAREE	Former Caltex Depot	44 Stevenson STREET	Other Petroleum	Regulation under CLM Act not required	-31.90563595	152.4640848
TAREE	Former BP Service Station (Reliance Petroleum)	150 Manning River DRIVE	Service Station	Regulation under CLM Act not required	-31.93842026	152.4682056

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
TAREE	Former Shell Depot	53-55 Stevenson STREET	Other Petroleum	Regulation under CLM Act not required	-31.90514622	152.4649706
TAREE	United Service Station and Former Mobil Depot	85 Muldoon Street, corner Grey Gum ROAD	Service Station	Regulation under CLM Act not required	-31.89744109	152.4508569
TAREE	Caltex Service Station	104-106 Commerce STREET	Service Station	Regulation under CLM Act not required	-31.90720519	152.4500926
TAREE	Footpath in front of the former BP service station	53-55 Victoria STREET	Service Station	Regulation under CLM Act not required	-31.91015653	152.4659073
TAREN POINT	Former Oyster Farm	Part 2R Alexander Avenue and part 98 Woodlands ROAD	Other Industry	Contamination was addressed via the planning process (EP&A Act)	-34.01714802	151.1252694
TAREN POINT	Former Oyster Farmer	1A Atkinson ROAD	Other Industry	Regulation under CLM Act not required	-34.02081803	151.1283282
TAREN POINT	Former manufacturing site	46-50 Bay ROAD	Other Industry	Regulation under CLM Act not required	-34.0236184	151.1231649
TAREN POINT	Mangrove Lane Cycle pathway	Mangrove LANE	Unclassified	Regulation under CLM Act not required	-34.02404025	151.1324783
TAREN POINT	Caltex Service Station	114 Taren Point ROAD	Service Station	Regulation under CLM Act not required	-34.02065958	151.1218938
TAREN POINT	Shell Coles Express Service Station	99-103 Parraweena ROAD	Service Station	Regulation under CLM Act not required	-34.02630233	151.1200897
TAREN POINT	Redevelopment Site	25 Bay ROAD	Landfill	Regulation under CLM Act not required	-34.02119591	151.1274727
TELARAH	Former Ausgrid Depot	Green STREET	Other Industry	Regulation under CLM Act not required	-32.7276446	151.5269745
TELARAH	ACIRL	5 Junction STREET	Other Industry	Regulation under CLM Act not required	-32.73457183	151.5400128
TEMORA	Woolworths Caltex Temora	98-100 Hoskins STREET	Service Station	Regulation under CLM Act not required	-34.44324584	147.5318667
TEMPE	Tempe Depot	1a Gannon STREET	Other Petroleum	Regulation under CLM Act not required	-33.92408255	151.1596469

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
TEMPE	Caltex Service Station	775 Princes HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-33.9253681	151.1596532
TEMPE	Former Tempe Tip	South STREET	Landfill	Contamination currently regulated under CLM Act	-33.9255792	151.1668117
TEMPE	Railcorp Site Renwick Street	Renwick STREET	Other Industry	Regulation under CLM Act not required	-33.91997709	151.1576058
TENTERFIELD	United Tenterfield Service Station	94 Rouse STREET	Service Station	Under assessment	-29.062753	152.016724
TERALBA	Lake Macquarie Teralba Sanitary Depot	Griffen ROAD	Landfill	Regulation under CLM Act not required	-32.9372059	151.6214528
TERALBA	Lucky's Scrap Metal Yard	21 Racecourse ROAD	Metal Industry	Contamination currently regulated under CLM Act	-32.946805	151.61698
TERANIA CREEK	Former Izzards Cattle Tick Dip	Wallace ROAD	Cattle Dip	Contamination formerly regulated under the CLM Act	-28.65425776	153.2767438
THE ROCKS	Dawes Point Park	Hickson ROAD	Other Industry	Under assessment	-33.855041	151.209547
THIRLMERE	Thirlmere Rail Heritage Museum	10 Barbour ROAD	Other Industry	Regulation under CLM Act not required	-34.20689245	150.5693902
THORNLEIGH	Caltex Thornleigh Service Station	192-198 Pennant Hills (Cnr Duffy Ave) ROAD	Service Station	Regulation under CLM Act not required	-33.72660793	151.08364
THORNLEIGH	Coles Express Service Station Thornleigh	188 - 190 Pennant Hills ROAD	Service Station	Regulation under CLM Act not required	-33.72502184	151.0850569
THORNTON	Energy Australia Thornton Pole Yard	55 Weakleys DRIVE	Other Industry	Regulation under CLM Act not required	-32.79973875	151.6374998
TIGHES HILL	Holcim Australia Cement Batching Plant	340 Industrial DRIVE	Other Industry	Regulation under CLM Act not required	-32.90532418	151.7574857
TIGHES HILL	SRA Land	73 Elizabeth STREET	Unclassified	Regulation under CLM Act not required	-32.90795794	151.754631
TIGHES HILL	Former Ampol Depot	94 Elizabeth STREET	Other Petroleum	Regulation under CLM Act not required	-32.90658137	151.757239

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
TIGHES HILL	Former Mobil Terminal	110 Elizabeth STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-32.90600406	151.7586907
TOCUMWAL	Former Mobil Depot	250 Murray STREET	Other Petroleum	Regulation under CLM Act not required	-35.79180653	145.5648214
TOCUMWAL	Former Mobil Depot	79-83 Deniliquin ROAD	Other Petroleum	Regulation under CLM Act not required	-35.80914914	145.5585528
TOMAGO	Balcombe Sweat Furnace	26 Laverick AVENUE	Metal Industry	Regulation under CLM Act not required	-32.82557395	151.7056416
TOMAGO	Former Hydromet Site	25 School DRIVE	Metal Industry	Under assessment	-32.8301553	151.7300603
TOMAGO	RZM Site - Tomago	1877 Pacific HIGHWAY	Other Industry	Regulation under CLM Act not required	-32.81419433	151.6985159
TOMERONG	Log Cabin Service Station (United Petroleum)	D1300 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-35.01820959	150.5779687
TOONGABBIE	7-Eleven (Former Mobil) Service Station Toongabbie	3 Metella ROAD	Service Station	Regulation under CLM Act not required	-33.78692357	150.9462837
TOORMINA	Caltex Service Station	2 Minorca PLACE	Service Station	Regulation under CLM Act not required	-30.35229568	153.0906606
TORONTO	Coles XP (Former Mobil) Toronto Service Station	133 - 137 Cary (Cnr Thorne St) STREET	Service Station	Regulation under CLM Act not required	-33.01187681	151.5930879
TORONTO	BP Toronto Service Station	132 Cary (Cnr Donnelly Ave) STREET	Service Station	Regulation under CLM Act not required	-33.01144673	151.5937863
TORONTO	Toronto Hotel	74 Victory PARADE	Unclassified	Regulation under CLM Act not required	-33.01214835	151.5958127
TORONTO	Caltex Service Station	147 Cary STREET	Service Station	Regulation under CLM Act not required	-33.01288007	151.5928388
TOUKLEY	Former Shell Toukley Autoport	211 Main ROAD	Service Station	Regulation under CLM Act not required	-33.26383791	151.5386268
TOUKLEY	7-Eleven Australia	287 Main ROAD	Service Station	Regulation under CLM Act not required	-33.26469166	151.5462414

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
TRANGIE	Caltex Service Station	(Mitchell Hwy) 76 Narromine STREET	Service Station	Regulation under CLM Act not required	-32.03234676	147.985164
TUGGERAH	BP Tuggerah	100 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.30578167	151.4198083
TUMBARUMBA	Former Caltex Depot	150 Albury STREET	Other Petroleum	Regulation under CLM Act not required	-35.77024081	147.9927182
TUMBI UMBI	Former Tumbi Landfill	140 Bellevue ROAD	Landfill	Regulation under CLM Act not required	-33.3993472	151.456471
TUMUT	CSR Blue Dam	Jepsen AVENUE	Other Industry	Under assessment	-35.30098337	148.1958308
TUMUT	CSR Railway cutting	Jepsen AVENUE	Unclassified	Under assessment	-35.30422002	148.1942579
TUMUT	Former Telstra Depot	22-26 Carey STREET	Other Industry	Regulation under CLM Act not required	-35.29873079	148.2191122
TUROSS HEAD	Tern Inn Restaurant (abandoned UPSS)	2 Trafalgar ROAD	Service Station	Regulation under CLM Act not required	-36.05871059	150.1308443
TURRAMURRA	7-Eleven (former Mobil) Service Station Turramurra	1408 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.73326389	151.1264194
TURRAMURRA	Woolworths Service Station	1233 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.73317594	151.1313195
TURRELLA	Tulloch Australia Pty Limited	61 Turrella STREET	Chemical Industry	Contamination currently regulated under CLM Act	-33.92857213	151.1475387
TWEED HEADS	Former Mobil Quix Service Station	60 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-28.20143775	153.5445381
TWEED HEADS	Francis Street Road Reserve adjacent to 79-81 Wharf Street, Tweed Heads	79-81 Wharf STREET	Other Petroleum	Regulation under CLM Act not required	-28.17351959	153.542262
TWEED HEADS SOUTH	Former BP Depot	142 Minjungbal DRIVE	Other Petroleum	Regulation under CLM Act not required	-28.20860702	153.5455932
TWEED HEADS SOUTH	Coles Express Service Station	Corner Minjungbal Drive and Heffron STREET	Service Station	Regulation under CLM Act not required	-28.19459987	153.5419978

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
TWEED HEADS SOUTH	Woolworths Plus Petrol	98-102 Pacific (100 Minjungbal Drive) HIGHWAY	Service Station	Regulation under CLM Act not required	-28.20488521	153.5448675
TWEED HEADS WEST	Caltex Service Station	96 to 98 Kennedy DRIVE	Service Station	Regulation being finalised	-28.1871486	153.5229866
TYAGARAH	Tyagarah Airstrip	25 Staceys WAY	Other Petroleum	Regulation under CLM Act not required	-28.59553079	153.5469165
ULAN	Ulan Coal Mine	4505 Ulan ROAD	Other Industry	Regulation under CLM Act not required	-32.25620603	149.7558075
ULLADULLA	Coles Express Ulladulla	153 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-35.36288274	150.47272
ULLADULLA	Woolworths Petrol Station	155-157 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-35.36316263	150.4725668
ULLADULLA	Caltex Service Station	62A Deering Street, corner Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-35.36276828	150.473578
ULTIMO	Shell Coles Express Service Station	387-429 Wattle STREET	Service Station	Regulation under CLM Act not required	-33.88138825	151.1966791
UNANDERRA	Endeavour Energy Springhill Field Service Centre	195 Five Island ROAD	Other Industry	Regulation under CLM Act not required	-34.45837706	150.8598825
UNANDERRA	BlueScope Stainless Steel	13 Marley PLACE	Metal Industry	Contamination currently regulated under CLM Act	-34.44959798	150.8571632
UNANDERRA	Unanderra Weekend Detention Centre	34-40 Lady Penryhn DRIVE	Landfill	Regulation under CLM Act not required	-34.4620226	150.8473821
UNANDERRA	Veolia Environmental Services	9 Waynote PLACE	Other Industry	Regulation under CLM Act not required	-34.46042393	150.863232
UNANDERRA	Caltex Service Station	86-98 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.45414951	150.845165
UNANDERRA	Former Prime Service Station and adjoining lands	41-49 Princes HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-34.45056105	150.8490833
URALLA	Caltex Service Station	103 Bridge STREET	Service Station	Regulation under CLM Act not required	-30.64524911	151.4934484

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
URALLA	Phoenix Foundry	44 Duke STREET	Metal Industry	Regulation under CLM Act not required	-30.65093272	151.5004479
URANQUINTY	Former Caltex Depot Kapooka (Wagga Wagga)	6876 Olympic (Uranquinty Rd) HIGHWAY	Service Station	Regulation under CLM Act not required	-35.15319793	147.3085469
URUNGA	Former Antimony Process plant	Hillside DRIVE	Chemical Industry	Contamination currently regulated under CLM Act	-30.50422942	153.0132011
VALENTINE	BP Express Service Station	855 Macquarie DRIVE	Service Station	Regulation under CLM Act not required	-33.00801109	151.6425806
VALENTINE	Valentine Public School	Tallawalla ROAD	Unclassified	Regulation under CLM Act not required	-33.0091613	151.6423231
VILLAWOOD	Nepotian (Former Toll) Site	110A Christina ROAD	Other Industry	Under preliminary investigation order	-33.87919117	150.9812193
VILLAWOOD	Former Defence Site	29 Biloela STREET	Landfill	Regulation under CLM Act not required	-33.88782978	150.9886275
VILLAWOOD	Former Siemens/Westinghouse	49 Miowera ROAD	Other Industry	Contamination formerly regulated under the CLM Act	-33.87641909	150.9836746
VILLAWOOD	Former Orica Crop Care	2 Christina ROAD	Chemical Industry	Contamination currently regulated under CLM Act	-33.880329	150.9896329
VILLAWOOD	PPG Industries	9 Birmingham AVENUE	Chemical Industry	Regulation under CLM Act not required	-33.87800757	150.9887929
VILLAWOOD	Former Electrical Component Manufacturer	66 Christina ROAD	Other Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.88018315	150.9838773
VILLAWOOD	Ettason Villawood Site	2A Birmingham AVENUE	Chemical Industry	Under preliminary investigation order	-33.878734	150.98259
VINEYARD	Shell Coles Express Service Station	731 Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.65780463	150.8753245
WAGGA WAGGA	Caltex Service Station	170 Fitzmaurice STREET	Service Station	Regulation under CLM Act not required	-35.10289587	147.3679002
WAGGA WAGGA	Former BP Service Station	31 Bourke STREET	Service Station	Regulation under CLM Act not required	-35.12626628	147.3547199

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WAGGA WAGGA	Caltex (former Mobil) Service Station	106 Edward STREET	Service Station	Regulation under CLM Act not required	-35.11910909	147.3682364
WAGGA WAGGA	Former Caltex Depot	60 Lake Albert DRIVE	Service Station	Regulation under CLM Act not required	-35.12316794	147.37724
WAGGA WAGGA	Former Mobil Depot Wagga Wagga	97-99 Coleman STREET	Other Petroleum	Regulation under CLM Act not required	-35.12173871	147.3576651
WAGGA WAGGA	Ashmont Autoport	Cnr Tobruk Street and Bardia STREET	Service Station	Regulation under CLM Act not required	-35.12517373	147.329919
WAGGA WAGGA	Former Caltex Service Station	343 Hammond AVENUE	Service Station	Regulation under CLM Act not required	-35.12420793	147.4157959
WAGGA WAGGA	Caltex Service Station	56 - 60 Docker St STREET	Service Station	Regulation under CLM Act not required	-35.11737947	147.3558145
WAGGA WAGGA	Former Iron Foundry	212-230 Hammond STREET	Metal Industry	Regulation under CLM Act not required	-35.12605478	147.4045461
WAGGA WAGGA	Coles Express Wagga Wagga	353-355 Edward STREET	Service Station	Regulation under CLM Act not required	-35.11606625	147.3509339
WAGGA WAGGA	Former Wiradjuri landfill	Narrung STREET	Landfill	Under assessment	-35.09628532	147.3619535
WAGGA WAGGA	Former Gasworks	54 Chaston STREET	Gasworks	Ongoing maintenance required to manage residual contamination (CLM Act)	-35.12262069	147.3482778
WAGGA WAGGA	Former Gasworks	Cnr Tarcutta Street and Cross STREET	Gasworks	Contamination currently regulated under CLM Act	-35.10871183	147.3737933
WAGGA WAGGA	BP Wagga Wagga	180 Edward STREET	Service Station	Regulation under CLM Act not required	-35.11850802	147.3639619
WAGGA WAGGA	Former Dry Cleaning Facility	183 Fitzmaurice STREET	Other Industry	Contamination currently regulated under CLM Act	-35.10209987	147.3683852
WAHROONGA	Coles Express Wahroonga	1601 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.71945571	151.1163002
WAHROONGA	7-Eleven Service Station	1579 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.71974617	151.1168106

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WAITARA	Caltex Service Station	59-61 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.71064349	151.1024644
WALGETT	Former Shell Depot	Castlereagh HIGHWAY	Other Petroleum	Regulation under CLM Act not required	-30.00861179	148.1239938
WALLERAWANG	Wallerawang Power Station	1 Main STREET	Other Petroleum	Regulation under CLM Act not required	-33.40339296	150.0855101
WALLERAWANG	Lidsdale Coal Loading Facility	Main STREET	Other Industry	Regulation under CLM Act not required	-33.39996523	150.0737717
WALLSEND	Caltex Maryland Service Station Wallsend	41 Minmi ROAD	Service Station	Regulation under CLM Act not required	-32.88967866	151.6619253
WALLSEND	Coles Express Wallsend East	15 Thomas STREET	Service Station	Regulation under CLM Act not required	-32.90719444	151.6693426
WALLSEND	OneSteel Recycling	64-80 Sandgate ROAD	Metal Industry	Regulation under CLM Act not required	-32.89425477	151.6799648
WALLSEND	Ausgrid Wallsend Depot	Abbott STREET	Other Industry	Regulation under CLM Act not required	-32.90162796	151.6857267
WALLSEND	Cnr of Douglas Street and 111 Newcastle Road Wallsend	111 Newcastle ROAD	Metal Industry	Regulation under CLM Act not required	-32.90414175	151.6830784
WAMBERAL	Caltex Service Station	654 The Entrance ROAD	Service Station	Regulation under CLM Act not required	-33.42338668	151.4375685
WANGI WANGI	Myuna Colliery	Wangi Point ROAD	Other Industry	Regulation under CLM Act not required	-33.06139532	151.5697186
WARATAH	Waratah Area Health	Turton ROAD	Unclassified	Regulation under CLM Act not required	-32.90961233	151.7260867
WARATAH	Waratah former Gasworks	Turton and Georgetown ROADS	Gasworks	Regulation being finalised	-32.9057763	151.7270033
WARDELL	Nancy's Cattle Dip, Thurgates Lane, Wardell	Thurgates LANE	Cattle Dip	Regulation under CLM Act not required	-28.954176	153.427349
WARILLA	Woolworths Petrol Warilla	43 -57 Shellharbour ROAD	Service Station	Regulation under CLM Act not required	-34.5470966	150.863748

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WARKWORTH	Emulsion Plant, Dyno Nobel Asia Pacific Pty Ltd	186 Long Point ROAD	Chemical Industry	Regulation under CLM Act not required	-32.5781708	151.0834387
WARKWORTH	United Colliery	Jerrys Plains ROAD	Other Industry	Regulation under CLM Act not required	-32.5654356	150.9916698
WARNERS BAY	Caltex Service Station	55 King STREET	Service Station	Regulation under CLM Act not required	-32.97418806	151.6476184
WARNERS BAY	7-Eleven (former Mobil) Service Station	393 Hillsborough ROAD	Service Station	Regulation under CLM Act not required	-32.9659363	151.6543264
WARNERS BAY	Historically Filled Land	41-43 Charles STREET	Unclassified	Regulation under CLM Act not required	-32.97340461	151.6464383
WARNERVALE	Former Timber Treatment Plant	Aldenham and Railway ROADS	Other Industry	Contamination formerly regulated under the CLM Act	-33.24732018	151.4469037
WARRAGAMBA	Warragamba Dam Viewing Platform	Eighteenth STREET	Unclassified	Regulation under CLM Act not required	-33.88546354	150.6024501
WARRAGAMBA	Megarrity's Creek Site	Weir ROAD	Unclassified	Regulation under CLM Act not required	-33.885049	150.597628
WARRAWONG	Caltex Service Station	75-77 King STREET	Service Station	Regulation under CLM Act not required	-34.49037817	150.888802
WARREN	Former Shell Depot	8 Dubbo STREET	Other Petroleum	Regulation under CLM Act not required	-31.69379262	147.8308088
WARREN	Caltex Warren Service Station	1 Coonamble ROAD	Service Station	Regulation under CLM Act not required	-31.69508383	147.8405578
WARREN	Former Mobil Warren Depot	16 Dubbo STREET	Other Petroleum	Contamination currently regulated under CLM Act	-31.6943058	147.8314606
WARWICK FARM	Warwick Farm Public School	95 Lawrence Hargrave ROAD	Unclassified	Regulation under CLM Act not required	-33.91050532	150.9302197
WATERLOO	Proposed Construction Site	2 John STREET	Other Industry	Regulation under CLM Act not required	-33.89989686	151.2010324
WATERLOO	Waverley Woollahra Process Plant	355 Botany ROAD	Other Industry	Regulation under CLM Act not required	-33.9063092	151.2042672

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WATERLOO	Shell Coles Express Service Station	867-877 South Dowling STREET	Service Station	Regulation under CLM Act not required	-33.90179774	151.2143789
WATERLOO	Lawrence Dry Cleaners	887-893 Bourke STREET	Unclassified	Contamination currently regulated under CLM Act	-33.89897433	151.2101436
WATERLOO	Divercity Waterloo Blocks C & D and adjacent plaza / park	1, 9, 13, 13A, 13B and 23 Archibald Avenue, 20 Dunkerley Place and 850 Bourke STREET	Other Industry	Regulation under CLM Act not required	-33.90200158	151.2098496
WATERLOO	Iconic (Former Chubb Factory) Waterloo	830-838 Elizabeth STREET	Other Industry	Regulation under CLM Act not required	-33.90227718	151.2060305
WATERLOO	22-24 Archibald Avenue	22-24 Archibald AVENUE	Other Petroleum	Regulation under CLM Act not required	-33.90263766	151.2132105
WAUCHOPE	Expressway Spares UST	3 Sancrox ROAD	Other Petroleum	Regulation under CLM Act not required	-31.44163879	152.8231104
WAUCHOPE	Former Shell Depot	56-64 High STREET	Other Petroleum	Regulation under CLM Act not required	-31.45804845	152.7314151
WAUCHOPE	Wauchope Service Station	57 High STREET	Service Station	Regulation under CLM Act not required	-31.45737022	152.7305018
WAUCHOPE	Former Timber Treatment Site	Blackbutt DRIVE	Other Industry	Regulation under CLM Act not required	-31.46575645	152.7228555
WAUCHOPE	Shell Coles Express Service Station	64 High STREET	Service Station	Regulation under CLM Act not required	-31.45764495	152.7315975
WAUCHOPE	Wauchope Public Primary School	2 Waugh STREET	Unclassified	Regulation under CLM Act not required	-31.4556387	152.7295455
WAVERTON	SRA Land	95 Bay ROAD	Unclassified	Contamination formerly regulated under the CLM Act	-33.83716728	151.1969497
WAVERTON	Berry's Bay Woodley's Marina	1 Balls Head DRIVE	Other Industry	Contamination formerly regulated under the POEO Act	-33.84441851	151.1947433
WAVERTON	Oyster Cove AGL	2 King STREET	Gasworks	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.83637995	151.193541
WEE JASPER	Wee Jasper Tavern	6499 Wee Jasper ROAD	Other Industry	Regulation under CLM Act not required	-35.110374	148.679405

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WELLINGTON	Former Caltex Service Station	124-128 Lee STREET	Service Station	Regulation under CLM Act not required	-32.55082729	148.9411537
WELLINGTON	BP Wellington Service Station	35A Maxwell STREET	Service Station	Under assessment	-32.55835121	148.9447284
WELLINGTON	Woolworths Petrol Wellington	79 Lee STREET	Service Station	Regulation under CLM Act not required	-32.54874227	148.9408531
WENTWORTH	Caltex - Wentworth	110 Adams STREET	Service Station	Regulation under CLM Act not required	-34.1024927	141.9160539
WENTWORTH FALLS	Bodington Hospital	Bodington DRIVE	Unclassified	Contamination formerly regulated under the CLM Act	-33.73201608	150.3874102
WENTWORTH POINT	RMS Eastern Precinct	3-7 Burroway ROAD	Other Petroleum	Regulation under CLM Act not required	-33.8233882	151.0815668
WENTWORTH POINT	Former TNT Express	23 Bennelong PARKWAY	Other Petroleum	Regulation under CLM Act not required	-33.83115118	151.0726636
WENTWORTHVILLE	Former Workshop	2 Rawson Rd and 8 Barfil CRESCENT	Unclassified	Regulation under CLM Act not required	-33.81568808	150.9671853
WERRINGTON	Caltex Service Station	Cnr Dunheved Rd and Henry Lawson DRIVE	Service Station	Regulation under CLM Act not required	-33.74577725	150.7409877
WERRINGTON	Claremont Meadows Former landfill	Gipps STREET	Landfill	Regulation under CLM Act not required	-33.77341076	150.7557628
WERRINGTON COUNTY	7-Eleven Werrington	Lot 122 Dunheved ROAD	Service Station	Regulation under CLM Act not required	-33.74699408	150.7428609
WEST BALLINA	Caltex Big Prawn Service Station	Pacific HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-28.86374913	153.5321482
WEST GOSFORD	Caltex Service Station	283 Manns ROAD	Service Station	Regulation under CLM Act not required	-33.41659727	151.325219
WEST GOSFORD	Caltex Service Station	69-71 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.42729985	151.3214621
WEST GOSFORD	Caltex Service Station	30a Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.42778813	151.3190581

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WEST GOSFORD	Adcock Memorial Park	Central Coast HIGHWAY	Landfill	Contamination currently regulated under CLM Act	-33.42963075	151.3273331
WEST NOWRA	Endeavour Energy Nowra Field Service Centre	20 Depot ROAD	Other Industry	Regulation under CLM Act not required	-34.88993085	150.5878854
WEST PENNANT HILLS	7-Eleven (former Mobil) Service Station	552 Pennant Hills ROAD	Service Station	Regulation under CLM Act not required	-33.74686545	151.0508067
WEST RYDE	7-Eleven (former Mobil) Service Station	917 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.80921103	151.0932917
WEST RYDE	Pfizer Australia Pty Ltd	38-42 Wharf ROAD	Chemical Industry	Regulation under CLM Act not required	-33.81021085	151.0693631
WEST RYDE	Reckitt Benckiser	44 Wharf ROAD	Chemical Industry	Regulation under CLM Act not required	-33.81172205	151.0692752
WEST RYDE	JHM Property Development	2A Mellor STREET	Other Industry	Regulation under CLM Act not required	-33.81207534	151.094598
WEST TAMWORTH	Woolworths Petrol	119 Bridge STREET	Service Station	Regulation under CLM Act not required	-31.09358262	150.9167693
WEST WYALONG	Lowes Petroleum (Former BP) Depot West Wyalong	Compton (formerly known as Town Bypass/Railway Road) ROAD	Other Petroleum	Regulation under CLM Act not required	-33.93440247	147.2154596
WEST WYALONG	Caltex Depot	(Wyalong By-pass Rd) Lot 1-3 Showground ROAD	Service Station	Regulation under CLM Act not required	-33.92580863	147.1978504
WEST WYALONG	Former Mobil Depot	104 Compton ROAD	Other Petroleum	Regulation under CLM Act not required	-33.93449194	147.2147948
WESTON	Illegal Dumping Site	Corner Kline Street & First STREET	Unclassified	Regulation under CLM Act not required	-32.81367986	151.4551507
WETHERILL PARK	Former Fuel Storage Depot	200-212 Cowpasture ROAD	Other Petroleum	Regulation under CLM Act not required	-33.84568871	150.8764012
WETHERILL PARK	Sims Wetherill Park	35-37 Frank STREET	Metal Industry	Regulation under CLM Act not required	-33.84056122	150.9086265
WETHERILL PARK	Shell Coles Express Service Station	565 Polding STREET	Service Station	Regulation under CLM Act not required	-33.8569731	150.8992804

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WETHERILL PARK	Cleanaway (Formerly Nationwide Oil) Wetherill Park	6 Davis ROAD	Other Industry	Regulation under CLM Act not required	-33.83770038	150.9045197
WETHERILL PARK	BOC Sydney Operations Centre	428-440 Victoria STREET	Chemical Industry	Regulation being finalised	-33.84375988	150.8960027
WETHERILL PARK	Camide Former Landfill	Newton ROAD	Landfill	Regulation under CLM Act not required	-33.83898879	150.8963813
WICKHAM	Caltex Terminal and "Building 33" on offsite adjacent land	156 Hannell Street and 33 Annie STREET	Other Petroleum	Contamination currently regulated under CLM Act	-32.9153413	151.7560062
WICKHAM	Former Warehouse	10 Dangar STREET	Unclassified	Regulation under CLM Act not required	-32.92383206	151.759761
WICKHAM	Former Factory	57 Annie STREET	Other Industry	Regulation under CLM Act not required	-32.91524827	151.7539893
WICKHAM	Railcorp Wickham	50 Railway STREET	Other Industry	Regulation under CLM Act not required	-32.9210433	151.7544687
WICKHAM	Fuchs Lubricants Wickham	2 Holland STREET	Other Industry	Under assessment	-32.9214709	151.7556928
WILBERFORCE	Former Drum Reconditioners	12-14 Box AVENUE	Other Industry	Contamination formerly regulated under the CLM Act	-33.5453884	150.8587934
WILBERFORCE	Former Solvent Recycling Site	13 Box AVENUE	Chemical Industry	Regulation under CLM Act not required	-33.54557427	150.8577006
WILEY PARK	Sydney Water Property	1B Hillcrest STREET	Other Industry	Regulation under CLM Act not required	-33.92391634	151.0676256
WILLIAMTOWN	Hunter Land Effluent Pond	38 Cabbage Tree ROAD	Other Industry	Regulation under CLM Act not required	-32.80750069	151.8310107
WILLOUGHBY	Shell Coles Express Service Station	616-626 Willoughby ROAD	Service Station	Regulation under CLM Act not required	-33.80593769	151.1988559
WILLOUGHBY	Caltex Service Station	157 Penhur STREET	Service Station	Regulation under CLM Act not required	-33.79793513	151.1981926
WILLOUGHBY	BP Express Tower	498 Willoughby STREET	Service Station	Contamination currently regulated under POEO Act	-33.81022918	151.199315

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WILLOUGHBY EAST	Willoughby Bus Depot	Corner Ann Street and Stan STREET	Other Industry	Regulation under CLM Act not required	-33.7982569	151.2038993
WILTON	Condell Park Homestead	(Part Lot 17 DP 270536) Condell Park ROAD	Unclassified	Regulation under CLM Act not required	-34.21910141	150.6837962
WINDANG	Caltex Service Station	244-248 Windang ROAD	Service Station	Regulation under CLM Act not required	-34.5274434	150.8691161
WINDSOR	Former Caltex Service Station	46-52 Macquarie STREET	Service Station	Regulation under CLM Act not required	-33.60783315	150.8213428
WINDSOR	Former Caltex Windsor Depot and Service Station	48-50 Mileham STREET	Service Station	Regulation under CLM Act not required	-33.61538627	150.8157517
WINDSOR	Woolworths (former Caltex) Service Station	Cnr Macquarie Street & Baker STREET	Service Station	Regulation under CLM Act not required	-33.60569346	150.8232803
WINDSOR	Former Fire Station Windsor	19 Fitzgerald STREET	Other Industry	Under assessment	-33.6064873	150.8199089
WINGHAM	Former Caltex Service Station	1036-1038 Wingham ROAD	Service Station	Regulation under CLM Act not required	-31.86236594	152.3805752
WINGHAM	Bogas Service Station	Cnr Primrose Street and Isabella STREET	Service Station	Regulation under CLM Act not required	-31.86833656	152.3716346
WINMALEE	Prime Winmalee Service Station	281 Hawkesbury ROAD	Service Station	Regulation under CLM Act not required	-33.68223276	150.5997203
WIRLINGA	Former Liquid Waste Disposal Facility	704 Riverina ROAD	Unclassified	Regulation under CLM Act not required	-36.07103958	147.0193522
WOLLI CREEK	Former Ausgrid Substation 10061	13 Gertrude STREET	Other Industry	Regulation under CLM Act not required	-33.93364031	151.1543818
WOLLONGONG	Redevelopment site	33 - 39 Beatson STREET	Other Petroleum	Regulation under CLM Act not required	-34.43196083	150.8976661
WOLLONGONG	Caltex Service Station	9 Flinders STREET	Service Station	Regulation under CLM Act not required	-34.41505616	150.8932515
WOLLONGONG	Greenhouse Park	Springhill ROAD	Landfill	Contamination currently regulated under CLM Act	-34.44119949	150.8931764

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WOLLONGONG	Former Wollongong Gasworks	120 and 122 Smith STREET	Gasworks	Regulation under CLM Act not required	-34.42030173	150.8906745
WOLLONGONG	Woolworths Service Station	425 Crown STREET	Service Station	Contamination currently regulated under CLM Act	-34.42637378	150.8799288
WOLLONGONG	Wollongong Harbour Central Spur	Off Endeavour DRIVE	Other Petroleum	Regulation under CLM Act not required	-34.42066879	150.906821
WOODBURN	Caltex Service Station	129 River STREET	Service Station	Regulation under CLM Act not required	-29.07206887	153.3409769
WOODBURN	Crown Reserve 88037 Woodburn	Pacific HIGHWAY	Landfill	Regulation under CLM Act not required	-29.06580577	153.3541886
WOOLGOOLGA	Caltex Woolgoolga Service Station	16 Bosworth ROAD	Service Station	Regulation under CLM Act not required	-30.12569561	153.1946006
WOOLGOOLGA	United Petroleum Service Station	58 Clarence STREET	Service Station	Under assessment	-30.11045544	153.1904609
WOOLLAHRA	Former Service Station	20 Wallis STREET	Service Station	Regulation under CLM Act not required	-33.8901965	151.2372752
WOOLLAHRA	Proposed Jewish Care Centre	7-21 Saber STREET	Unclassified	Regulation under CLM Act not required	-33.8904055	151.2480062
WOOLLAHRA	Caltex Woollahra Service Station	116 Old South Head ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.88959697	151.2553736
WOOLLOOMOOLOO	Former BP Service Station	2 Dowley STREET	Service Station	Contamination being managed via the planning process (EP&A Act)	-33.86940191	151.2218741
WOOLOMIN	Woolomin Gold Rush Store	65 Nundle ROAD	Other Petroleum	Contamination formerly regulated under the CLM Act	-31.30415134	151.149729
WOOLOOWARE	Caltex Service Station	100 Woolooware ROAD	Service Station	Regulation under CLM Act not required	-34.05274635	151.1408413
WOOLOOWARE	Oyster Farm	Captain Cook DRIVE	Other Industry	Regulation under CLM Act not required	-34.03807914	151.1476055
WOONGARRAH	Former Warnervale Landfill	236-264 Hakone ROAD	Landfill	Regulation under CLM Act not required	-33.2376313	151.464362

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WOOTTON	Former Chemical Spill Site	11859 Pacific HIGHWAY	Chemical Industry	Regulation under CLM Act not required	-32.28168548	152.3117819
WOY WOY	Mobil Former Woy Woy Service Station and adjacent land	177-181 Blackwall ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.49254403	151.3270829
WOY WOY	Barry Robertson Holden	231 Blackwall ROAD	Service Station	Regulation under CLM Act not required	-33.49621068	151.3285128
WOY WOY	Bogas Service Station	66 Memorial AVENUE	Service Station	Contamination currently regulated under CLM Act	-33.5069738	151.3315579
WOY WOY	Rogers Park	Dunban ROAD	Landfill	Regulation under CLM Act not required	-33.50009693	151.3181347
WOY WOY	Austin Butler Memorial Oval	Blackwall ROAD	Landfill	Regulation under CLM Act not required	-33.48626871	151.3276042
WOY WOY	James Browne Oval	Welcome STREET	Landfill	Regulation under CLM Act not required	-33.49756053	151.3234871
WYALONG	Caltex Service Station	50 Neeld (Newell Highway) STREET	Service Station	Regulation under CLM Act not required	-33.92665025	147.2446546
WYOMING	Caltex Service Station Wyoming	465 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.40945391	151.3499812
WYONG	Wyong Bayer/Kemcon	16 Lucca ROAD	Chemical Industry	Contamination formerly regulated under the CLM Act	-33.26192339	151.4429446
WYONG	Caltex Service Station	M1 Pacific (Northbound) MOTORWAY	Service Station	Regulation under CLM Act not required	-33.25641477	151.4024821
WYONG	Caltex Service Station	M1 Pacific (Southbound) MOTORWAY	Service Station	Regulation under CLM Act not required	-33.25330747	151.4053862
WYONG	IXOM Facility	8 Pavitt CRESCENT	Other Industry	Regulation under CLM Act not required	-33.26379108	151.4485113
YAGOONA	Galserv Galvanising Services	117-153 Rookwood ROAD	Metal Industry	Contamination currently regulated under POEO Act	-33.89493085	151.0388013
YAGOONA	BP Service Station Potts Hill (Yagoona)	155 Rookwood ROAD	Service Station	Regulation under CLM Act not required	-33.89330525	151.0390969

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
YAGOONA	7-Eleven (former Mobil) Service Station	519 Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-33.90760623	151.0207783
YAGOONA	Shell Coles Express Service Station	112 Rookwood ROAD	Service Station	Regulation under CLM Act not required	-33.89856213	151.0370458
YAGOONA	Sydney Water Corporation Potts Hill Complex	91 Brunker ROAD	Other Industry	Regulation under CLM Act not required	-33.89887589	151.0289165
YALLAH	Tallawarra Power Station site	Princes HIGHWAY	Unclassified	Ongoing maintenance required to manage residual contamination (CLM Act)	-34.52412143	150.8062159
YAMBA	Caltex Service Station	22 Treelands DRIVE	Service Station	Regulation under CLM Act not required	-29.42701701	153.3279204
YANCO	Former Service Station	14 Main AVENUE	Service Station	Contamination formerly regulated under the CLM Act	-34.60356494	146.4105016
YASS	Caltex Service Station	228 Comur STREET	Service Station	Regulation under CLM Act not required	-34.84440036	148.9140179
YASS	Caltex Service Station	1715 Yass Valley WAY	Service Station	Regulation under CLM Act not required	-34.80708856	148.8824228
YASS	Former Mobil Depot Yass and adjacent land	54-58 Laidlaw STREET	Service Station	Ongoing maintenance required to manage residual contamination (CLM Act)	-34.83252976	148.9068888
YASS	Former Gasworks	Dutton STREET	Gasworks	Contamination currently regulated under CLM Act	-34.83982614	148.9060029
YASS	Transgrid Depot Yass	Perry STREET	Unclassified	Under assessment	-34.86238341	148.9052809
YENNORA	Former Alcoa Australia Rolled Products Facility - Area 3	1 Kiora CRESCENT	Metal Industry	Regulation under CLM Act not required	-33.86568158	150.9649297
YENNORA	Spicer Axle Australia Manufacturing Facility	205-231 Fairfield ROAD	Other Industry	Regulation under CLM Act not required	-33.85655114	150.9579167
YENNORA	Former Caltex Service Station	137-141 Fairfield STREET	Service Station	Regulation under CLM Act not required	-33.86824768	150.9706137
YENNORA	Former Metal Plant	44 Larra STREET	Metal Industry	Contamination formerly regulated under the CLM Act	-33.86340576	150.9764349

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
YENNORA	TetraPak Site	6 Foray STREET	Other Industry	Contamination formerly regulated under the CLM Act	-33.8557183	150.9561605
YENNORA	19 Pine Road, Yennora	Pine ROAD	Metal Industry	Contamination currently regulated under CLM Act	-33.86713232	150.9621172
YETHOLME	Yetholme CCA Timber Treatment Plant	351 Eusdale ROAD	Other Industry	Contamination formerly regulated under the CLM Act	-33.45386256	149.8537787
YOUNG	Former Mobil Depot and Service Station Young	149 Lovell STREET	Service Station	Regulation under CLM Act not required	-34.31024587	148.290424
YOUNG	Former Shell Depot	166 Nasmyth STREET	Other Petroleum	Regulation under CLM Act not required	-34.31025192	148.2931008
YOUNG	Former battery recycler	45 Nasmyth STREET	Metal Industry	Contamination currently regulated under CLM Act	-34.31201571	148.306772
YOUNG	Adjacent to former battery recycler	47 Nasmyth STREET	Metal Industry	Contamination formerly regulated under the CLM Act	-34.31176273	148.3064765
YOUNG	Mobil Depot	186 Nasmyth STREET	Other Petroleum	Contamination currently regulated under CLM Act	-34.30954389	148.2908476
YOUNG	Former Caltex Depot	95 Lovell STREET	Service Station	Regulation under CLM Act not required	-34.31127119	148.2955092
ZETLAND	Energy Australia/ Ausgrid Zetland Depot	122 - 138 Joynton AVENUE	Other Industry	Regulation under CLM Act not required	-33.90883116	151.2101184
ZETLAND	Former Goodrich Control Systems, Zetland	84 - 92 Epsom ROAD	Other Industry	Regulation under CLM Act not required	-33.91025707	151.2078048

Appendix F Environmental Management Plan (CONSARA 2020b)

CONSARA
contaminated sites

FINAL

Long-Term Environmental Management Plan

Maritime Facility, Northern Part of 5-11 Bank Street Pyrmont, NSW

Date:
10 July 2020

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1 Introduction

This Long-term Environmental Management Plan (EMP) has been prepared for Transport for NSW (TfNSW) to set out the requirements for the management of the potential risks to human health associated with the presence and potential presence of contamination in fill materials in the sub-surface of the northern part of 5-11 Bank Street, Pyrmont (the Site). The location of the Site is presented in Figure 1 and the layout of the Site is presented on Figure 2.

The Site has had long history of commercial, industrial and recreational uses and it is understood that, in the vicinity of the Site, significant dredging and reclamation and infilling activities were undertaken in the late 1800s as part of the construction of the first Glebe Island Bridge with some further reclamation undertaken in the late 1980s as part of the preliminary works for the construction of the ANZAC Bridge. Historical reports indicate that the areas surrounding the bridge were primarily utilised for maritime related activities and light industrial activities.

At the time of the preparation of this EMP the Site had recently been redeveloped for temporary maritime support facilities (area shaded blue on Figure 2) and publicly accessible open space (area shaded green on Figure 2) to enable access from Bank Street down to the waterfront and over water marina facilities present in Blackwattle Bay at the west of the Site.

This EMP provides the control measures and procedures that are to be implemented by TfNSW to ensure that the health of the users of the Site are protected. These control measures primarily require that the current surface treatments remain in place and as such this plan is considered to be a passive EMP.

This EMP has been developed with reference to the relevant requirements of the NSW Environment Protection Authority (2020) *Contaminated Land Guidelines Consultants Reporting on Contaminated Land*, the National Environment Protection Council (NEPC) (2013) *National Environment Protection Measures (NEPM)*, the NSW EPA (2017) *Guidelines for the NSW Site Auditor Scheme – 3rd Edition*, the relevant requirements of the *Work Health and Safety Regulation 2011* (WHS Regulation) and on the information presented in the '*Validation Report, Maritime Facility, Northern Part of 5-11 Bank Street, Pyrmont NSW*' prepared by CONSARA and dated 10 July 2020.

1.1 Enforceability of the EMP

The implementation of this EMP will be undertaken by TfNSW who will maintain ultimate responsibility for the management of the Site. This EMP and its implementation is required to ensure that the Site is suitable for it uses as a maritime facility and as publicly accessible open space.

The *MP11_0001 – Sydney Heritage Fleet –Modification 3 , 5-19 Bank Street Pyrmont* as consented to by Minister for Planning on 12 December 2018 provided the development consent for the maritime facility and the publicly accessible open space (the Consent). Condition D25 of the Consent required that the Site be certified to be suitable for the proposed uses in a Site Audit Statement issued by a NSW EPA Accredited Site Auditor. This Site Audit Statement certifies the suitability of the Site for commercial/industrial and open space and recreational land use, subject to the implementation of this EMP. As the EMP is required in order to achieve satisfaction of Condition D25 it is considered that the EMP has been made legally enforceable.

TfNSW have committed to ensuring that the requirement for the public notification of the EMP on the Site is made on the Section 10.7(2) certificate (issued under the *Environment Planning and Assessment Act* 1979).

This EMP is required to be implemented on an ongoing and continual basis (in perpetuity) to ensure that the Site remains suitable for commercial/industrial and open space and recreational land use. It is noted that within this EMP direct reference is made to specific guidelines, regulations and legislation that were in force at the time of preparation of this EMP. Over time it is likely that these references will be superseded by updated and revised versions. In applying this EMP those responsible must ensure that the relevant guidelines, regulations and legislation that are applied are those that are in force at that time.

1.2 Purpose of the EMP

This EMP was prepared to document procedures that are required to be implemented to manage identified risks to users of the Site to ensure that:

- The surface coverings present across the Site are maintained to ensure that users are not exposed to potentially contaminated soils located beneath these surface coverings; and
- Works that require disturbance of surface coverings are undertaken in a manner that protects the health of the workers, users of these areas and members of the public.

The principal elements of this EMP are to:

- Detail the sub-surface conditions of the Site at the time of preparation of this EMP;
- Detail the surface conditions of the Site at the time of preparation of this EMP and detail the measures to be undertaken to ensure the integrity of these surfaces;
- Assign responsibilities for implementation of this EMP;
- Protect the health of users of the Site by ensuring maintenance of the surface coverings on the Site to prevent exposure to contaminants that may be present in the sub-surface environment; and
- Protect the health of maintenance workers on the Site if the surfaces are disturbed by works.

The control measures set out in this EMP, as set out above, primarily require that the current surface treatments remain in place and as such this plan is considered to be a passive EMP.

1.3 Terms used in this EMP

The Terms used in this EMP are defined below:

- **EMP** – means this Long-term Environmental Management Plan
- **TfNSW** – means Transport for NSW
- **Surface Cover** means surface treatments or finishes that cannot be removed readily without the use of tools as follows:
    - Unsealed - Topsoils or topsoils with grass cover, planting or mulch or wood chips or gravels/stones/rocks or similar that are underlain by a geotextile orange marker layer. Beneath this marker layer are the retained contaminated and potentially contaminated fill materials. The location and extent of the marker layer is shown on Figure 3.

      OR

    - Sealed - Hardstand surfaces, such as concrete, asphalt, bitumen, stones, gabions that cannot be removed by users in the course of expected use of these areas. Immediately beneath the hardstand surface treatments are the retained contaminated and potentially contaminated fill materials.

2 Site Conditions

2.1 Site Identification and Description

The Site is located in Pyrmont approximately 1km west of Sydney CBD and directly adjoins Blackwattle Bay. The Site consists of the northern to central section of a property known as 5-11 Bank Street, Pyrmont. The property identifiers for the Site comprise Lot 22 DP803159, Part Lot 19 DP803159, Lot 21 DP803159 and Part Lot 20 DP 803159 as shown on the survey plans provided in Appendix D. The Site has an area of approximately 3600 m^2. The Site is located within the City of Sydney Council area and is zoned RE1 Public Recreation under the *Sydney Local Environmental Plan 2012*.

Prior to the redevelopment of the Site, the larger property at 5-11 Bank Street was noted to be primarily unsealed and covered with gravels comprised of crushed sandstone and concrete. The area of the 5-11 Bank Street property to the south, that is now separate to the Site, was not affected by the redevelopment and remains unsealed and covered with gravels comprised of crushed sandstone and concrete. No buildings are present and a fence has been installed to divide this area of the property from the Site. It appears that the property is fenced and secured by a locked gate at Bank Street. The southern end of this property continues to be used for the storage of Dragon Boats and other TfNSW equipment. A seawall forms the boundary of the property and the Site with Blackwattle Bay. The presence of contaminated and potentially contaminated fill materials across the southern part of the 5-11 Bank Street property is managed through the '*Long-term Environmental Management Plan 5 Banks Street Pyrmont NSW*' prepared by CDM Smith Australia Pty Ltd and 30 October 2012 (the 2012 LTEMP). The implementation of the 2012 LTEMP has enabled the 5-11 Bank Street property to remain suitable for ongoing commercial, open space and recreational uses.

The new maritime facilities are located on the Site, across two areas, the southern and northern. On the southern area there is a concrete hardstand on which a number of demountable buildings, storage containers and other minor structures, equipment and carparking for the marina support facilities and on the northern part of the Site the public open space area comprises a higher upper level at the Site's entrance from Bank Street and then a concrete ramp, footpath and stairs provide access to the lower levels that connect to the over water marina facilities established in the adjacent areas of Blackwattle Bay. The lower level of the open space areas is primarily covered with asphaltic pavement, with the concrete footpath and ramp along the southern edge and a concrete staircase on the northern edge that provides access. Gabions filled with oversize aggregate and sandstone have been placed in a terrace along the slope between the upper and lower levels with planting beds forming the upper edge of this terrace. The upper level comprises the concrete driveway from Bank Street into the Site, concrete footpaths and a large feature of terraced gabions located on the northern boundary. Some minor areas of crushed gravels/aggregate and planting beds are also located along the southern and eastern edge of the terraced gabions and at frontage to Bank Street.

The Site is secured by a 2 metre high fence with locked access from Bank Street. The temporary marina support facilities are separated from the open space area by a secured fence.

It is noted that the over water marina facility is comprised of floating pontoons and a pedestrian walkway has been installed to link the Site to the over water facilities.

2.2 Site History

The Site is located within a local region that between the mid 1800s to the 1960s was occupied by a large range of industrial activity that included power stations, wool stores, railway yards, wharfs, abattoirs, tanneries and mills. Large scale infilling of the area now known as Wentworth Park, previously a large swamp referred to as Blackwattle Cove, commenced in the late 1870s to form Blackwattle Bay. Historical reports indicate that sediments dredged from the harbour were used as the filling materials along with waste and ballast materials.

In the vicinity of the Site it is understood that significant dredging and reclamation and infilling activities were undertaken in the late 1800s as part of the construction of the first Glebe Island Bridge with some further reclamation undertaken in the late 1980s as part of the preliminary works for the construction of the ANZAC

Bridge. Historical reports indicate that the areas surrounding the bridge were primarily utilised for maritime related activities and light industrial activities.

2.3 Areas and Contaminants of Concern

The results of works completed on the Site, for the Validation Report, have confirmed that the fill materials retained in the sub-surface of the Site do not contain gross or significant contamination or point source contamination, rather the contamination is primarily diffuse contamination, directly related to the presence of fill materials with the nature and distribution of any contamination likely to be variable. Contamination has been identified to be limited to the presence of concentrations of PAHs in fill materials across the Site and the presence of fragments of asbestos containing materials (ACM) in fill materials in a limited area in the north-eastern area of the Site. There also remains the potential for fill materials to be present in the sub-surface that are contaminated with petroleum hydrocarbons and heavy metals. There was no evidence of the presence of volatile contaminants, putrescible or other types of wastes, perched or shallow groundwater or acid sulphate soils.

The capping or surface cover over the retained fill materials on the Site installed as part of the redevelopment of the Site are detailed below

The redevelopment of the Site comprised the construction of various hardstand surface coverings, construction of demountable buildings, storage containers and carparking for the marina support facilities and concrete ramp, footpath and stairs, terraced sandstone rock and gabions and landscaped areas comprised of planted beds on the public open space areas. As such the capping layer comprises the following:

- Impermeable Surface Coverings - Concrete pavements, asphalt
- Permeable Surface Coverings – Terraced sandstone rock landscaping, gabion walls and terraces, planting beds. It is noted that as part of the capping layer in areas where these surface coverings were installed, a geotextile marker layer is present at the surface of the retained fill materials. This marker layer was installed and then the surface coverings were placed over the top of the marker layer. In areas of the sandstone rock and gabion wall landscaping the marker layer was placed and then these materials were placed directly over the top of the marker layer. In areas where planting beds were installed the marker layer was covered with a minimum of 300 mm of growing medium soils and mulch. as part of specific surface treatments as set out in the Landscape Plans provided in Appendix A. The location of the geotextile marker layer within the on the Site and the relative level in m AHD at which the geotextile marker layer was placed is provided on Figure 3.

3 Implementation of this EMP

This EMP is required to be implemented to ensure:

- Maintenance of the surface coverings in the condition described in this EMP; and
- Works that require the disturbance of the surface coverings, described below as 'minor works' and 'major works', are conducted in accordance with the requirements set out in this EMP.

3.1 Maintenance of Surface Coverings

For the purpose of this EMP, the surface coverings are defined in Section 1.3 and comprise concrete, pavements, roadways or slabs constructed of concrete, bitumen, asphalt or other materials such as sandstone rocks, paving stones, growing mediums (topsoils, mulch or similar) vegetation etc, that cannot be removed readily without the use of tools.

3.1.1 Sealed Area Maintenance

The integrity sealed surfaces such as hardstand surfaces (comprised primarily of concrete, asphalt, gabions or similar) must be maintained to prevent contact with potentially contaminated soils. Inspections must be undertaken to ensure that the hardstand pavements are not showing signs of deterioration.

Should a pothole or cracking area wider than 300 mm be observed in the hardstand, such that workers or users of this area could be practicably exposed to the underlying sub-surface materials present beneath the pavement (such as through dermal (skin) contact) then repairs are required to be undertaken following the protocol set out below for minor or major works as appropriate. At the time that such compromises of the integrity of the hardstand are identified an exclusion zone must be established, by cordoning off using physical barriers such as bollards, high visibility mesh, fencing or similar, to restrict access to the impacted area until repairs can be undertaken. Guidance on determining the period of time in which repairs must be made is as follows:

- Areas which are regularly used and occupied by users (such as footpaths, driveways, stairs, access walkways, entrances to buildings) – Repairs to hardstands must be made within a 4 week period or as otherwise determined by TfNSW to be reasonable;
- Areas which are not regularly used or occupied– Repairs to hardstands to be made within a timeframe considered to be reasonable by TfNSW but no longer than a 6 month period.

3.1.2 Unsealed Area Maintenance

The unsealed areas must be maintained to ensure the integrity of the surface coverings and to prevent contact with potentially contaminated soils. Inspections must be undertaken to ensure that no large scale erosion or removal of the surface coverings such as sands, soils, grasses, mulches, gravels etc has occurred that exposes the marker layer and/or the underlying surface or sub-surface materials present beneath the surface coverings.

Should such erosion or similar be observed then an exclusion zone must be established, by cordoning off using physical barriers such as bollards, high visibility mesh, fencing or similar, to restrict access and repairs are required to be undertaken within 2 weeks or as reasonably determined by TfNSW to ensure re-establishment of the surface covering in these areas. Inspections must be undertaken to ensure that the surface covering has been appropriately re-established prior to users being able to re-gain access to these areas.

3.2 Disturbance of the Surface Coverings

For the purpose of this EMP:

- **Minor works** comprise works that require minimal disturbance of the surface coverings and comprise activities such as:
  - Hardstand or pavement maintenance works at surface level only such as filling in of cracks, patching of holes or small scale replacement of sections of pavement where sub-surface soils are not required to be disturbed;
  - Landscaping works such as mowing, shallow planting, mulching, raking leaves, maintenance of gravel pathways or similar, where direct contact with the materials used in the surface treatment is possible, but no contact with the underlying surface or sub-surface soils (beneath the surface coverings) is possible.
- **Major works** comprise larger scale disturbance to the surface coverings and the underlying materials and comprise activities such as:
  - Any works across hardstands/concrete slabs during which direct contact with the sub-surface soils is possible;
  - Any works that directly affect or disturb materials present at depths greater than marker layer or where direct contact with the surface or sub-surface soil materials present beneath the surface coverings (whichever is greatest);
  - Construction and/or maintenance of sub-surface services, such as gas, electricity, stormwater, surface drainage, telephone, cabling and water supply;
  - Installation of equipment or undertaking of construction that requires excavation of the sub-surface where direct contact with soils is possible;
  - Installation and/or maintenance of features or equipment that require off-site disposal of the surface and/or sub-surface soils where direct contact with the sub-surface soils is possible.

3.3 Responsibilities

The TfNSW is responsible for the overall implementation and maintenance of this EMP and for ensuring that owners, occupiers, tenants and contractors working on the Site have been informed of the requirements of the EMP prior to commencement of works.

The TfNSW is responsible for ensuring that during the planning process for any works to be conducted, during the course of any works that fall into the "Minor" or "Major" categories as defined below, and at the completion of any "Minor" or "Major" works that the requirements of this EMP are implemented. The specific responsibilities of the TfNSW and the supervisor or person in-charge of the works are outlined in Table 1 below.

Table 1: Responsibility Matrix

Position	Responsibilities
TfNSW (OR its nominated representative)	• Advise persons occupying and working on the Site of the requirements of the EMP; • Ensure implementation of the EMP requirements; • Undertake inductions of contractor project manager and maintain induction records (see Appendix A for pro-forma of Induction Register); • Provide a copy of the EMP to the occupiers, supervisor or person-in-charge of occupier/tenant employees and/or contractor/s who are undertaking the works; • Ensure appropriate consents and licences (as required) are obtained for the works;

Position	Responsibilities
	• Procure the training and induction of their employees and contractors before and during the works, as appropriate and relevant; • Ensure occupiers, supervisor or person-in-charge of occupier/tenant employees and/or contractor/s complies with the requirements of the EMP; • Ensure occupiers, supervisor or person-in-charge of occupier/tenant employees and/or contractor/s clearly understands the requirements of the EMP and ensure that compliance with the EMP is a condition of any agreement with these parties; • Ensure the conditions of the EMP are implemented and supplemented, if necessary, by conditions of any relevant planning consent; • Obtain advice if the conditions are changed, and, if necessary, arrange for an appropriately qualified person to update the EMP, informing other relevant and appropriate parties, including tenants, of the changes; • Ensure that the Site is maintained in accordance with the EMP; • Ensure records required to be completed and maintained under this EMP are being kept; • Ensure corrective action is undertaken where verified complaints are made; • Provide the EMP for inclusion on the relevant records maintained by project/occupier/tenant.
Site Manager/Contractor/ Sub-Contractor/Environmental Consultant	• Implement the EMP to ensure compliance; • Ensure relevant and appropriate project/occupier/tenant staff and contractors are inducted under the EMP and comply with the requirements of the EMP; • Ensure relevant and appropriate project/occupier/tenant staff and contractors clearly understand the requirements of the EMP and ensure that compliance with the EMP is a condition of any agreement with these parties; • Provide a copy of the EMP to contractor/s who are undertaking the works; • Complete the registers, databases and records required by the EMP; • Conduct works in an environmentally responsible manner; • Meet relevant Work and Occupational Health and Safety regulatory requirements; • Implement the works in a safe and responsible manner; • Immediately notify the TfNSW if suspected contaminated materials are encountered during works; • Complete non-conformance and corrective action reports as required and undertake follow-up corrective actions, as required; • Undertake audits of activities in accordance with the requirements of the EMP; • Ensure non-conformance and/or complaints are reported to TfNSW without delay;

Position	Responsibilities
	• Undertake corrective actions in response to requests made by TfNSW regarding specific environmental or safety issues without delay; • Ensure all works comply with relevant regulatory requirements; • Inform the TfNSW if conditions change significantly from those documented in the EMP.

3.4 Record of Implementation of the EMP

Records of the implementation of this EMP must be completed and maintained by TfNSW and include, but may not be limited to, the following:

- EMP Induction Register – Register of persons inducted under the EMP. This register must include the name of the person, their employer, the date of induction, the nature of works being completed, whom the inductee is working on behalf of, the person that provided the induction and signatures of both the instructor and the inductee – an example of an appropriate induction register is provided at Appendix A;;
- Inspection Records – Records of inspections of the integrity of the surface coverings - – an example of an appropriate inspection record is provided at Appendix B;
- Asbestos Materials Handling or Removal Records – Records of any works requiring the handling and removal of asbestos or other hazardous building materials as set out in Section 3.4;
- Waste Disposal Records – Records of any works requiring the off-site disposal of excavated soils or similar as set out in Section 4.5;
- Unexpected Finds Register – Records of any unexpected finds as set out in Section 3.6 - – an example of an appropriate unexpected finds register is provided at Appendix C; and
- Complaints Register – Records of complaints and response works as set out in Section 3.7 an example of an appropriate complaints register is provided at Appendix D.

These records must be maintained by the TfNSW such that they are available to any external auditor for review on request.

3.5 Document Revision

This EMP is required to be reviewed in the event of a change of local government area or jurisdictional changes for the TfNSW. Any amendments or revisions or similar of the EMP must be controlled by the TfNSW and be completed by a suitability qualified environmental consultant.

It is the responsibility of TfNSW to ensure the EMP supplied to any person is the current updated or amended version.

The up-to-date version of the EMP will be available from TfNSW.

The EMP is required to be continually implemented (in perpetuity) to ensure that the Site remains suitable for commercial/industrial and open space and recreational use. This requirement can only be removed if additional remediation and validation works are undertaken and a Site Audit Statement prepared by a NSW EPA Accredited Site Auditor is issued confirming the suitability of the Site for proposed use/s without the requirement for an EMP.

4 Risk Control Measures

This section provides summary information on mechanisms whereby exposure to the contamination potentially present in the surface and sub-surface soils could occur (known as exposure pathways) and guidance on precautionary control measures for activities that have the potential to result in exposure to these materials.

It should be noted, however, that this EMP provides general guidance only and does not constitute a health and safety plan, job safety analysis, risk assessment or any other considerations under the Work Health & Safety Act 2011 (WHS Act) and Occupational Health and Safety Regulation 2011 (OH&S Regulation) (or any other relevant legislation current at the time of the proposed work).

Potential human health risks associated with the presence or potential presence of polycyclic aromatic hydrocarbons, heavy fraction petroleum hydrocarbons, lead and/or asbestos in soils are from:

- Exposure to vapours, dust, soils or groundwaters generated during the completion of works that disturb the soils present in the surface and sub-surface; and
- Inappropriate handling and waste management of excavated or excess soil materials or groundwaters.

4.1 Exposure Pathways

The presence and potential presence of polycyclic aromatic hydrocarbons (PAHs), heavy fraction petroleum hydrocarbons (TPH), lead and asbestos within the surface and sub-surface soils does not affect the present safe use of the Site under the current land use scenarios whilst surface coverings are undisturbed.

However, if these surface coverings are disturbed through Minor or Major works as defined in Section 2.2, it is possible that a risk of exposure may result. In order to develop appropriate measures to control this increased exposure, it is necessary to understand the potential exposure pathways.

A summary of the potential health affects and the exposure pathway for these potential contaminants is summarised in Table 2 below.

Table 2: Exposure Pathways

Contaminant of Concern	Source	Chemicals/Substances	Physiological Effect	Exposure Pathway
Polycyclic Aromatic Hydrocarbons (PAHs) – Carcinogenic PAHs and heavy fraction petroleum hydrocarbons (TPHs)	Soils present in surface and sub-surface beneath surface coverings	PAHs, including benzo(a)pyrene TPH (C10 to C40 Fraction)	Inhalation/ingestion of PAHs/TPHs (as dusts with PAHs/TPHs are not very volatile) may cause bronchitis and possibly cancer of the respiratory system and different types of tumours. B(a)P is a genotoxic carcinogen. Repeated skin contact may result in allergic dermatitis and skin cancer	Inhalation of vapours or contaminated dust and ingestion of contaminated soil/dust are the primary pathways for exposure. Dermal absorption is low to negligible

Contaminant of Concern	Source	Chemicals/Substances	Physiological Effect	Exposure Pathway
Metals (Lead,)	Soils present in surface and sub-surface beneath surface coverings	Lead	Toxic to a wide range of organs and tissues, and variety of toxicological end points – reproductive toxicity, neurotoxicity, carcinogenicity	Ingestions of soil and dust is considered to be the most significant pathway of exposure for inorganics in soil. Dermal absorption is also considered but is generally considered to be negligible
Asbestos	Soils present in surface and sub-surface beneath surface coverings	Asbestos Containing Materials (ACM) and/or Asbestos fibres	Inhalation of asbestos fibres can cause asbestosis, lung cancer and mesothelioma. The risk of contracting these diseases increases with the number of fibres inhaled and the risk of lung cancer from inhaling asbestos fibres is also greater if you smoke. People who get health problems from inhaling asbestos have usually been exposed to high levels of asbestos for a long time. The symptoms of these diseases do not usually appear until about 20 to 30 years after the first exposure to asbestos	Inhalation of loose/friable asbestos from disturbed soils.

4.2 Control Measures for Current Activities

Under the current land use there is low to negligible risk of harm to the human health of users of the Site due to the presence of materials beneath surface coverings that contain or may contain the above listed potential contaminants. The surface coverings are required to be maintained for the lifetime of this EMP to ensure that this low to negligible risk of exposure is maintained.

The surface coverings are required to be regularly inspected, at least once per every 6 months. It is the responsibility of TfNSW to ensure that these inspections are undertaken. As a conservative measure the inspections are to be undertaken as a walkover across the surface of these areas. TfNSW are required, at a minimum, to keep a register of inspections completed and only keep a detailed record of inspections in which the findings of the inspections require rectification or other management controls required by this EMP. Such inspection records must include a written and photographic record of the following:

- General condition of hardstand pavement surfaces and unsealed surfaces;
- Presence of any subsidence, cracks, openings, degradation, erosion or similar in the surface coverings – the nature, extent and location needs to be recorded and rectification works are required to be implemented;
- Presence of any obvious repair/maintenance works to the surface coverings– the nature, extent and location needs to be recorded;
- Presence of any excavation works into the sub-surface and the control measures being undertaken; and
- Any other observations on the condition and/or integrity of the surface coverings.

A proforma template for inspection records is provided at Appendix A.

Where rectification works are required to be implemented or where repair/maintenance works are being undertaken, the TfNSW must ensure that these works are undertaken in accordance with the measures set out in this EMP. On completion of such works, the TfNSW must conduct an inspection to ensure that the surface coverings have been adequately re-instated/restored.

The register of the required inspections is required to be kept and maintained by TfNSW.

4.3 Control Measures for Future Activities

Minor Works do not require specific controls and as long as the sub-surface soils beneath the surface coverings are not disturbed then no specific controls are required.

Where Major Works are required to be undertaken (where sub-surface soils are disturbed) additional control measures may be required depending on the scope of the works.

Whilst it is not possible to assess the impacts from all future activities, it is possible to consider exposure scenarios likely to be associated with a range of general maintenance and intrusive works.

The control measure required to be implemented for "Minor Works" and "Major Works" are set out in Table 3 below.

Table 3: Control Measures for Minor and Major Works

Works	Examples of Types of Works	Possible Risks to Users	Possible Risks to the Environment	Control Measures Required
MINOR WORKS				
Minor Works Minor works comprise activities that do not require disturbance of the sub-surface soils.	Pavement/Concrete surface maintenance - Filling in of cracks, patching of holes -Small scale replacement of sections of pavement where sub-surface retained soils are not required to be disturbed. Minor landscaping works -Mowing of grassed areas -Raking or placing of additional growing medium on top of existing growing mediums -removal of surface weeds or similar - shallow planting – to depths of 0.1 m Internal or External Building façade works -Painting, pointing, plastering -Internal fitouts aboveground only Does not include: - Planting or any similar landscaping activity that requires excavation into the growing medium or sub-surface at depths greater than 0.2 m. -Maintenance of underground utilities	Inhalation of vapours or dusts potentially containing PAHs, TPHs, lead, asbestos (though considered unlikely to be generated during Minor Works)	Low risk of runoff. May impact stormwater system if not appropriately contained.	-No eating, drinking, smoking; avoid contact with soil (wear gloves); wash hands and clothes after work and before eating or smoking. -A half–face respirator (fitted with organic cartridges) or dust-masks must be available for use in the event that significant odours or dust is generated during the works -Dust generation should be controlled by dampening the materials. - Where the integrity of surface coverings has been compromised such that the required repairs are considered to be Minor Works, an exclusion zone must be established around the impacted area to preclude exposure to the sub-surface by users until such time that repairs can be completed. The exclusion zone is to be established by using physical barriers such as bollards, cones, tape or mesh. Timeframes in which the repairs that are classified as Minor Works are required to be completed are provided in Section 2.1.1 and 2.1.2 of this EMP.

Works	Examples of Types of Works	Possible Risks to Users	Possible Risks to the Environment	Control Measures Required
MAJOR WORKS				
Major Works Major works comprise activities that require disturbance of sub-surface soils	Landscaping, Maintenance or Other Works: -where the marker layer needs to be removed and direct contact with the sub-surface soils present beneath surface coverings is possible (permeable surfaces such as planting beds, sand pits, mulched areas, turfed areas); Construction and maintenance of sub-surface services - gas, electricity, stormwater, surface drainage, telephone, cabling and water supply; Other -Installation of equipment or undertaking of construction that requires removal of concrete slabs/hardstands where direct contact with the underlying soil materials is possible; -Installation and maintenance of features or equipment that require disturbance and/or disposal of the surface and/or sub-surface soils where direct contact with the surface or sub-surface soils is possible.	Inhalation of vapours or dusts potentially containing PAHs, TPHs, asbestos. Dermal exposure to soils potentially containing PAHs,TPHs, lead Ingestion of dusts, soils potentially containing PAHs,TPHs, lead, asbestos Unexpected finds	Medium risk of runoff. May impact stormwater system if not appropriately contained.	-Workers/contractors undertaking the works are appropriately licenced in accordance with the requirements of the relevant OH&S regulations and NSW Workcover. -Develop safety documentation for works. -No eating, drinking, smoking; avoid contact with soils or waters (wear gloves). -Any works to be conducted that may compromise the integrity of the surface coverings must be approved by TfNSW. The TfNSW must not approve such works until they have considered (based on the location and scale of the Major Works and acting reasonably) whether consultation with an appropriately qualified environmental consultant is required to obtain formal advice on the affect on the surface covering and on the works that must be undertaken to ensure the integrity of the surface coverings. If TfNSW determines that advice is to be obtained, then the environmental consultant must be provided with this EMP prior to providing their advice. - Where the integrity of surface coverings has been compromised such that the required repairs are considered to be Major Work or any works are undertaken that are Major Works, an exclusion zone must be established around the impacted area to preclude exposure to the sub-surface by users until such time that repairs or the works can be completed. The exclusion zone is to be established by using physical barriers

Works	Examples of Types of Works	Possible Risks to Users	Possible Risks to the Environment	Control Measures Required
				such as secure lockable fencing or similar. Timeframes in which the repairs that are classified as Major Works are required to be completed are provided in Section 2.1.1 and 2.1.2 of this EMP. -Should odours, sheens or similar be uncovered works must cease and the TfNSW must be immediately notified to determine control measures, which are likely to require the following: - that a Photoionization Detector (PID) with a lamp voltage of at least 10.6 electron volt (eV) be used to monitor operator/ field staff breathing zone for volatile organic contaminants (VOCs) during excavation works conducted where disturbance of the soils will occur - that Half–face respirators fitted with organic filters and coveralls/tyvex (chemical resistant) must also be available for use in the event that significant contamination /odours are encountered. If the Action levels and personal protective equipment (PPE) requirements for VOCs as presented in Table 4 below are to be applied within the breathing zone during the works. -At minimum Level D PPE must be worn during works including long sleeved shirts and long pants, steel-toed boots, gloves, high-visibility vest and safety glasses and a P2 dust mask during manual handling of soils and/or waters. -Wash hands and clothes after work.

Works	Examples of Types of Works	Possible Risks to Users	Possible Risks to the Environment	Control Measures Required
				-Prevent dust by applying dust suppression prior to and during excavation. -If soil materials are required to be excavated, excavate hardstand material separately, cover excavated materials with plastic, then place it back into original position prior to reinstating hardstand layer. -Ensure all potentially contaminated fill materials are placed in excavation pit prior to reinstatement of hardstand covering the ground surface. -Any materials excavated must be handled with care. Excavated soils or waters containing or suspected of containing contamination must not be left unattended. If it is necessary to leave materials unattended, the soils are required to be dampened to prevent generation of dust, and placed back in the excavation and the surface cover reinstated so that exposure to these materials cannot be gained by casual users or must be formed into stockpiles that are covered with heavy density polyurethane (HDPE) plastic or similar; waters are required to be stored in appropriate containers that can be sealed and secured. -Where off-site disposal is required ensure all excavated materials (soils and/or waters) are handled, managed and disposed off -site in accordance with NSW EPA (2014) Waste Classification Guidelines or equivalent and disposal to a facility licensed by NSW EPA to receive the class of waste material. Records of

Works	Examples of Types of Works	Possible Risks to Users	Possible Risks to the Environment	Control Measures Required
				disposal must be maintained and recorded in a materials tracking register.

Table 4: Breathing Zone Action Levels

Chemical Hazards:	Risk: H - High M - Med L - Low	TWA (mg/m^3)	STEL (mg/m^3)	IE (eV)	MUL Action levels (75% safety margin worked into MUL)				LEL (%)
					No APR	½ face APR	full face APR	IDLH reached	
☒ Benzene	H	16	-	-	5	37.5	187.5	3000	1.3-
** Remember - Max Use Limit (MUL) = (Protection Factor x Exposure Limit) x 75% ** PF= 10 for ½ face, 50 for full face, 10000 for SCBA									

4.4 Control Measures - Asbestos

Should fragments of asbestos containing materials (ACM) and/or bonded fibrous cement materials (potential ACM) and/or any quantity of friable material be encountered the following procedure is required to be implemented:

- ACM that is encountered, as a precautionary measure, are to be considered as friable (meaning the materials can be reduced to a powder between the fingers), until it is proven not to be friable. However, common sense is required to be exercised. For example, if a few fragments of bonded asbestos cement materials (fibro) are present, it is safe to pick them up if appropriate PPE is utilised (disposable gloves, P2 dust mask), and to place them in double plastic bags for disposal in a dedicated container and subsequent disposal at a landfill licensed to receive this class of material. TfNSW must be immediately notified of this activity and be provided with disposal documentation or similar. However, if a large number of ACM fragments or friable material is encountered, the possibility of friable asbestos being present is increased. If either a large quantity of ACM fragments and/or friable asbestos are identified or suspected during intrusive activities then the following works are to be undertaken:
    - Works must cease and the exposed area should be covered with substantial plastic sheeting that is securely anchored to the ground surface and be enclosed within a barrier to prevent access.
    - TfNSW must be immediately notified;
    - TfNSW must determine if appropriate signage should be displayed to warn of the presence of these materials;
    - A suitably qualified Occupational Hygienist or equivalent must be contacted by the TfNSW to provide an assessment of risks and the required management response and control measures;
    - No further works are to be undertaken until the TfNSW has provided approval for works to re-commence;
    - Asbestos removal works must only be undertaken in accordance with the requirements of the relevant OH&S regulations and NSW Workcover;
    - A bonded asbestos licence is required to be issued by NSW Workcover (or as superseded at the time of works) to remove, repair or disturb more than 10 square metres of bonded asbestos material such as fibro, corrugated cement sheeting and asbestos cement pipes. A friable asbestos licence is required to be issued by NSW Workcover to remove, repair or disturb any amount of friable asbestos, such as sprayed limpet, asbestos cloth, millboard and pipe lagging. This licence also allows the removal of bonded asbestos;
    - NSW WorkCover must be notified seven days before removing bonded asbestos and a work site permit from NSW WorkCover is required to be obtained before removing any friable asbestos. Applications must be lodged at least seven days before the proposed work is due to start.

Should the procedures above be required to be implemented, records of such works will need to be completed and retained by TfNSW. Such records would include the location where materials were found, reason for the works, the type of asbestos, documentation of any monitoring or clearance works completed by the Occupational Hygienist, report on waste classification works completed by the environmental consultant on any removed materials and the receiving waste facility dockets.

4.5 Handling of Contaminated and Potentially Contaminated Materials

Any solid or liquid materials excavated from the surfaces or sub-surfaces must be handled with care and in accordance with the requirements set out above. Any materials that require disposal off-site will require the engagement of a suitably qualified environmental consultant to conduct appropriate sampling and analysis to determine the requirements for off-site disposal in accordance with NSW EPA (2014) guidelines or equivalent. Records of any materials excavated and then subsequently disposed off-site are required to be completed and retained by the TfNSW. Such records would include the location where materials were excavated, reason for excavation works, the type of materials excavated, report on waste classification works completed by the environmental consultant on the excavated materials and the receiving waste facility dockets.

4.6 Unexpected Finds

In the event of unexpected finds e.g. presence of an underground storage tank, drums, pipework associated with the storage/trasnfer of fuels/chemicals or similar, works must cease and the TfNSW must inspect the unexpected find and isolate the area until such time that an appropriately qualified environmental consultant conducts an inspection and provides a recommendation of what works are required to control/manage the unexpected find in accordance with the relevant NSW EPA endorsed guidelines, NSW regulations and legislation.

Records of any unexpected finds are required to be completed and retained by the TfNSW. Such records would include the location where the unexpected find was uncovered, how it was found, the follow up works undertaken, any reports, advice or similar provided by the environmental consultant, documentation, reports or similar on any rectification/remediation works undertaken and photographic record. An unexpected finds register pro-forma is provided at Appendix C.

4.7 Reporting of Complaints and Incidents

If a complaint is made by a member of the public or by any other person with respect to any environmental management or control issue either during "Minor Works" or during "Major Works" or at any other time, appropriate corrective action is required to be undertaken as soon as practicable. The TfNSW is responsible for ensuring the corrective action is undertaken.

Similarly, if an environmental incident occurs that has given or may give rise to pollution of soil, air or waters, appropriate corrective action is required to be undertaken as soon as practicable.

In addition to the above, complaints and environmental incidents are required to be notified to the TfNSW as soon as practicable after a complaint has been made or an environmental incident has occurred. If appropriate, and following the TfNSW's instructions, notification may need to be made to the applicable regulatory authority.

Records of complaints and incidents are required to be entered into a register, but only after corrective action has been taken and the TfNSW has been notified. A complaint register pro-forma is provided at Appendix D.

5 Limitations

This Long-term Environmental Management Plan has been prepared for the sole purpose of documenting the procedures that are required to be implemented on the temporary maritime support facilities and publicly accessible open space areas located on the northern part of 5-11 Bank Street, Pyrmont NSW in accordance with generally accepted consulting practice. No other warranty or guarantee, expressed or implied is made as to the advice indicated in this report.

This report should not be used for any other purpose without prior written consent from CONSARA. Accordingly, neither CONSARA nor any member or employee of CONSARA accepts responsibility or liability in any way whatsoever for the use of this report for any purpose other than that for which it has been prepared.

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CONSARA has relied upon and presumed accurate information provided by Transport for NSW and/or any third party (or absence thereof) in making the assumptions made in this report. Nothing in this report should be taken to imply that CONSARA has verified or audited any of the information supplied to us other than as expressly stated in this report. We have assumed this information to be both adequate and accurate for the purposes of this report.

Where findings, observations and conclusions are based solely upon information provided by Transport for NSW and/or a third party and CONSARA do not accept, to the maximum extent permitted by law, any liability for any losses, claims, costs, expenses, damages (whether in statute, in contract or tort for negligence or otherwise) suffered or incurred by Transport for NSW or any third party as a result of or in connection with CONSARA's reliance on any such the information to the extent that such information is false, misleading or incomplete and CONSARA give no warranty or guarantee, express or implied as to such findings, observations and conclusions.

If further information becomes available, or additional assumptions need to be made, CONSARA reserves its right to amend any statements or opinions made in this report.

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Figures

Figure 1: Site Location

Figure 2: Site Layout

Figure 3: Final Site Layout

A4

PROJECT No.	C151008
FILE NAME	F007
DATE	16/06/20
DRAWN	RR
APPROVED	RO

LEGEND

SITE BOUNDARY

CLIENT
TRANSPORT for NSW

PROJECT
LONG-TERM ENVIRONMENTAL MANAGEMENT PLAN, NORTHERN PART OF 5-11 BANK STREET, PYRMONT, NSW

TITLE
SITE LOCATION PLAN

FIGURE No.
1

CONSARA

Plotted By: ReynoldsR Plot Date: 06/07/05 - 22:37 Cad File: E:\personal_CAD R21_\CONSARA\C151008_BankStreet1\FIGURES\C151008-F007.dwg

A3

PROJECT No.	**C151008**
FILE NAME	**F008**
DATE	**16.06.20**
DRAWN	**RR**
APPROVED	**RO**

LEGEND

- SITE BOUNDARY
- COMMERCIAL MARINA FACILITY
- PUBLIC OPEN SPACE

0 2 4 6 8 10
(metres)

CLIENT
TRANSPORT for NSW

PROJECT
LONG-TERM ENVIRONMENTAL MANAGEMENT PLAN, NORTHERN PART OF 5-11 BANK STREET, PYRMONT, NSW

TITLE
SITE LAYOUT

FIGURE No.
2

CONSARA

A3

PROJECT No.	**C151008**
FILE NAME	**F011**
DATE	**02.07.20**
DRAWN	**RR**
APPROVED	**RO**

LEGEND

- SITE BOUNDARY
- GABION / RETAINING WALL
- BLOCK WALL
- ASPHALT
- CONCRETE
- ROCK
- GARDEN BED
- GRAVEL
- PITS / STRUCTURES
- KERB
- TOP OF GEOFABRIC MARKER LAYER
- 5.817 RL (m AHD)

EXTENT OF MARKER LAYER

E 332408.390
N 6250843.134
COORDINATES IN M.G.A.

E 332383.191
N 6250878.014

E 332346.068
N 6250852.885

E 332347.671
N 6250846.101

E 325459.295
N 6248332.504

E 332408.390
N 6250843.134

E 332335.839
N 6250808.149

E 332373.845
N 6250808.998

E 332370.182
N 6250798.180

E 332397.492
N 6250801.189

BANK STREET

OVER WATER MARINA

OVER WATER MARINA

BLACK WATTLE BAY

0 2 4 6 8 10
(metres)

CLIENT
TRANSPORT for NSW

PROJECT
LONG-TERM ENVIRONMENTAL MANAGEMENT PLAN, NORTHERN PART OF 5-11 BANK STREET, PYRMONT, NSW

TITLE
FINAL SITE LAYOUT

FIGURE No.
3

CONSARA

Appendix A: Induction Register

EMP Induction Register

Person being Inducted		Company	Date of Induction	Person Conducting Induction		Date of EMP
Name	Signature			Name	Signature	

Appendix B: Inspection Record

Inspection Record

Date of Inspection	
Address/Location of Inpsection	
Area subject to Inpsection	
Surface Coverings	
Condition of Surface Coverings	
Rectification Required	
Photographs taken	
Other notes	

Appendix C: Unexpected Finds Register

Unexpected Finds Register

Date of Find	Location of Find	Desscription of Find	Find Identified by Persons/Company		Action Taken By TfNSW			
			Name	Company	TfNSW Personnel	Date notified to TfNSW	Action Taken	Date of Action

Appendix D: Complaints Register

Complaints Register

Date of Complaint	Name and Contact of Complainant	Desscription of Complaint	Action Taken By TfNSW					
			TfNSW Personnel	Date notified to TfNSW	Action Taken	Date of Action	Close out of Compliant	Date of Close Out of Complaint

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