CONSARA
contaminated sites

FINAL REPORT

Construction Environmental Management Plan

Lilyfield Skate Plaza, Leichhardt Park, 70 Mary Street Lilyfield NSW

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Prepared for:
Inner West Council
Wetherill Street, Leichhardt NSW

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1 Introduction

CONSARA Pty Ltd (CONSARA) has been commissioned by Inner West Council (the Council) to prepare this Construction Environmental Management Plan (CEMP) that will be implemented during works to construct a skateboarding and cycling area, referred to as a 'Skate Plaza', on the south-western part of Leichhardt Park located at 70 Mary Street, Lilyfield NSW (the Site). The location of the Site and the proposed works are provided on the plans in Appendix A.

The Site has been and is currently occupied for used for open space and recreational land uses primarily comprising grassed areas with some stands of trees. The construction of the Skate Plaza will comprise the installation of various concrete surfaces, retaining walls, paved, soft landscaping areas and asphalt carparking as well as some drainage and lighting associated with the Skate Plaza as detailed in Appendix A (the Works). The construction works will require some disturbance via excavation of surface and shallow sub-surface soils across the Site.

This CEMP 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* 2017 (WHS Regulation) and on the information presented in documents provided to CONSARA by Council.

Leichhardt Park, on which the Site is located, has been utilised for open space and recreational purposes for more than a century. Historical information indicates that large areas of Leichhardt Park were subject to filling activities between the 1960s and 1970s to achieve its current levels. Previous investigations on other parts of Leichhardt Park have identified the presence of fill materials that had a large proportion of building and demolition wastes that contained a range of contaminants (primarily heavy metals, polynuclear aromatic hydrocarbons, heavy petroleum hydrocarbons and asbestos containing materials).

In planning for the Skate Plaza, an assessment of the conditions of the surface and sub-surface on the Site was completed to inform construction planning and to ensure that the Site will remain suitable for open space recreational land use once the Works are completed. The assessment works were completed in May 2021 by CONSARA and documented in '*Assessment of Surface and Sub-surface Conditions, Proposed Lilyfield Skate Plaza, Leichhardt Park 70 Mary Street Lilyfield NSW*' dated 7 February 2022 (the Assessment Report). The results of this assessment identified that the Site is underlain by fill materials to at least the maximum depth of the assessment being between 1 to 1.2 m below ground surface (m bgs). The fill materials were found to comprise sandy to silty soils that grade with depth to clays to sandy clays. Building, demolition and foreign waste materials were also present within the soil matrix at all test-pits locations completed and comprised of variable proportions of bricks, tiles, slag, ash, glass and sandstone rocks. The results of the assessment also identified that the contaminants of concern in the fill materials were limited to the presence of carcinogenic PAHs and asbestos with no evidence of the presence or potential presence of gross or significant chemical contamination, odours, staining, sheens, putrescible waste or perched groundwaters in the fill materials.

Based on the results of this assessment it is considered that there is unlikely to be any specific point sources of contamination to the surface and sub-surface environment on the Site but rather, the contamination is directly associated with the presence of historically placed fill materials in the sub-surface and as such its distribution would be likely to be variable through the sections of the sub-surface where fill materials were present on the Site.

Disturbance of the surface and sub-surface environment on the Site during the construction activities required for the Works brings with it the potential of risk to the surrounding environment, associated with the potential exposure of potentially contaminated materials, the potential for the migration of any contamination that may be

present off-site or within the Site, as well as to construction personnel. This CEMP will be implemented to manage these potential risks during the Works.

The construction activities that require disturbance of potentially contaminated materials during the undertaking of the Works are summarised in general terms as follows:

- Minor and Major Excavation Land Based works – any works that will require the disturbance of the current surface and sub-surface of the Site and includes the excavation, stockpiling, handling and placement of fill materials, natural soils and/or bedrock.

This CEMP addresses environmental management measures to be employed during construction activities that disturb potentially contaminated materials only. The Council will implement a Long-Term Environmental Management Plan to manage the risks associated with the potential presence of contaminated materials at the Site following completion of the works.

1.1 Objective of the CEMP

The objective of this CEMP is to set out the environmental management measures that are required to be implemented during the Works in order to manage identified risks to Site personnel and the environment to ensure that:

- Comprehensive control measures are implemented to prevent the migration of potentially contaminated materials or waters off-site or within the Site;
- Works that require disturbance of natural soils, bedrock or potentially contaminated fill materials are undertaken in a manner that protects the health of the workers and users of the Site; and
- Any potentially contaminated materials excavated from the Site are appropriately stored, handled and, where required, either beneficially re-used on the Site or disposed of off-Site.

1.2 Persons referred to in this CEMP

Within this CEMP the following persons are referred to:

- Inner West Council (Council) – Developer;
- Contractor – the party contracted by Council to undertake the construction of the Works and responsible for undertaking the works as described in this CEMP following the guidance given in this CEMP;
- Environmental Consultant – the contaminated sites consultant engaged by Council to prepare this CEMP, undertake any required inspections, waste characterisation of any soils required to be removed from the Site, determination of suitability of any soils for beneficial reuse and validation of any materials to be imported to Site during construction works.

2 Site Information

2.1 Site Identification and Description

The Site is located approximately 6 km to the west of the Sydney central business district. The Site is a rectangular shaped parcel of land that is approximately 2800 m^2 in area and is located within the south-western corner of a larger area known as Leichhardt Park that comprises Leichhardt Park Aquatic Centre, Leichhardt Oval, various other playing fields and other open space recreational areas. Leichhardt Park, including the Site, is owned by Council.

2.2 Current Use and Proposed Use

The Site is currently used for public open space and recreational purposes and is grassed with some stands of trees. This use would continue after the Works are completed. The plans for the Works are provided in Appendix A.

2.3 Surrounding Land Use

The Site is located within the larger Leichhardt Park and the primary land uses surrounding the Site are either open space and recreational use or residential land uses. Iron Cove is located to the west along the boundaries of the peninsula on which Leichhardt Park is located.

2.4 Topography, Surface Water, Drainage and Flood Potential

The surface of the Site and the surrounding areas of the park are generally flat with an elevation of approximately 2 metres Australian Height Datum (m AHD). A steep embankment is located to the east. Constructed seawalls form the boundary of the larger Leichhardt Park.

Stormwater and surface water drainage from the Site drains to the local stormwater network which is expected to discharge to Iron Cove to the west of the Site.

Given the location of the Site on a tidally influenced river it is considered that the risk of flooding is low.

2.5 Soils, Geology and Hydrogeology

The Site is located in an area that has been subject to significant disturbance and historical filling and reclamation activities since the late 1800s. The Soils Landscapes of the Sydney 1:100000 Sheet (SCS, 2009) indicates that the natural soils on the Site have been subject to significant disturbance by human activity and that filling materials comprising rocks, building and waste materials are likely to be present. Prior to filling, the soil landscape of the Site is likely to have been comprised of rugged rolling to very steep hills and rocky outcrops dominated by shallow lithosols and siliceous sands with some podzolic soils present in less exposed areas (SCS, 2009).

The fill materials and soils at the Site and surrounding area are underlain by Quaternary aged deposits of sands which would then be underlain by Middle Triassic aged Hawkesbury Sandstone of the Wianamatta Group (DMR, 1991). The Hawkesbury Sandstone consists of medium to coarse-grained quartz sandstone, very minor shale, siltstone and laminite lenses.

The 1:25 000 Prospect/Parramatta River Acid Sulfate Soil Risk Map (DLWC, 1997) indicates that there is a low probability of the occurrence of acid sulfate soils within the soil profile located on the Site. However, it is understood that Council have had an Acid Sulphate Soil Management Plan prepared for the Works should such conditions be encountered.

Regional groundwater is expected to be present at depth within the Hawkesbury Sandstone underlying the Site and is likely to be present as flow through fractures such as joints and bedding plane partings or via permeable

lenses of siltstone or laminate. Thus, the transmissivity of the sandstone aquifer is dependent on the frequency, openness and orientation of the fracturing present. Groundwater present in sandstone is expected to be generally of reasonable quality with low salinity, whilst groundwater present in any siltstone and laminite lenses is expected to be of higher salinity (Pells 1985). Based on local topography and surface drainage, groundwater in the bedrock is expected to flow to the west to north-west toward Iron Cove. Locally, it is not expected that perched groundwater would be encountered to be present in fill materials or shallow sub-surface soils.

Given that minimal excavation works are required for the Works on the Site, neither perched groundwaters nor potential acid sulphate soils are expected to be encountered during the construction works.

2.6 Areas and Contaminants of Concern

Given the history of Leichhardt Park, fill materials present in the surface or shallow sub-surface of the Site could contain soils that are potentially contaminated with polycyclic aromatic hydrocarbons, petroleum hydrocarbons, heavy metals or asbestos-containing materials (ACM) or fibrous asbestos (AF/FA).

Recently completed intrusive investigations (via excavation of test-pits), documented in the Assessment Report, have identified that the Site is underlain by fill materials to at least the maximum depth of the assessment being between 1 to 1.2 m bgs. The fill materials are generally comprised of sandy to silty soils that grade with depth to clays to sandy clays. Building, demolition and foreign waste materials were present within the soil matrix at all test-pits and comprised of variable proportions of bricks, tiles, slag, ash and glass.

Fill materials that contained the highest proportion of building, demolition and foreign materials were present in the test-pits completed along the southern part of the Site, with the test-pits completed in the centre and to the north containing fill materials with a lower proportion of these types of waste materials. At depth in the majority of the test-pits, a large number of medium to larger sized sandstone rocks and bricks were presented within the clay to sandy clay soils that were present at these depths.

Fragments of ACM were only visually identified in fill materials at one test-pit (see figures in Appendix B - TP03 at a depth of 0.3 to 0.4 m bgs), where there was a higher proportion of building and demolition wastes. In addition, asbestos was also identified, through laboratory analysis, to be present within small pieces of fibrous matted materials within the fill materials at two test-pits (see figures in Appendix B - TP03 and TP05 at depths of between 0.4 to 0.5 m bgs).

The results of the sampling and analysis of the fill materials have identified concentrations of carcinogenic PAHs greater than the open space and recreational land use criteria in half of the samples analysed. In addition, concentrations of benzo (a) pyrene were also greater than the ecological screening level in the majority of samples.

Concentrations of the other potential chemical contaminants of concern analysed were all reported at either less than the laboratory detection limits or less than the open space and recreational land use criteria. It is considered that the source of the concentrations of PAHs is likely to the presence of minor ash and slag in the silty sandy fill materials. The presence of ash and slag in fill materials used in this area of Sydney is common as such materials were generated as a result of the historical combustion of coal in both domestic and industrial settings. It is well understood that concentrations of PAHs present in such materials have a low propensity to leach and an associated very low to negligible potential for the generation or migration of contaminated leachates from the Site to Iron Cove.

Based on the results of this assessment the contaminants of concern in the fill materials present in the sub-surface on the Site are limited to the presence of carcinogenic PAHs and asbestos with no evidence of the presence or potential presence of gross or significant chemical contamination, odours, staining, sheens, putrescible waste or perched groundwaters in the fill materials at the locations sampled.

Given the level topography of the Site and the surrounding area it is highly likely that the presence, depth and general condition of fill materials encountered during this assessment would be generally consistent across the Site.

The results of this assessment, has confirmed that there is unlikely to be any specific point sources of contamination to the surface and sub-surface environment on the Site but rather, the contamination, where present, would be directly associated with the presence of fill materials in the sub-surface and as such its distribution would be likely to be variable through the sections of the sub-surface where fill materials were present on the Site.

3 Implementation of this CEMP

This CEMP has been prepared to be applied during the construction works to be undertaken during the completion of the Works which include, but may not be limited, to the following:

- Demolition and removal of existing fencing, fitness equipment and removal of stone blocks, existing electrical conduits and similar as shown in Appendix A;
- Stripping of grasses, removal of vegetation and similar as shown in Appendix A;
- Installation of concrete structures, surfaces and paved and asphalt surfaces as shown in Appendix A;
- Installation of sub-surface utilities, including drainage and electrical;
- Associated landscaping works; and
- Any other works that may require the disturbance, movement, handling of or potential exposure of construction worker to potential contaminated fill materials, natural soils, waters or bedrock at the Site.

3.1 Timing for Implementation of CEMP

No surface or sub-surface disturbance works or other intrusive works are to be undertaken on the Site until the environmental management measures set out in this CEMP are installed and functional.

3.2 Responsibilities

Council is responsible for the overall implementation and maintenance of this CEMP and for ensuring that owners, occupiers, tenants and contractors working at the Site have been informed of the requirements of the CEMP prior to commencement of the Works.

The Contractor is responsible for implementing the requirements of the CEMP prior to commencement of and during construction works at the Site. It is noted that this CEMP requires the Contractor to prepare additional specific plans, as set out in Section 4 and 5, which must be prepared and provided to Council for approval prior to the commencement of works on the Site.

The specific responsibilities of Council, the Contractor and the Environmental Consultant are outlined in Table 1 below.

Table 1: Responsibility Matrix

Position and Company/Entity	Responsibilities
Council (Developer)	Advise persons occupying and working at the Site of the requirements of the CEMP; Ensure implementation of the CEMP requirements; Undertake regular inspections to ensure Contractor compliance with CEMP; Ensure appropriate consents and licences (as required) are obtained for the works; Provide a copy of the CEMP to the Contractor who are undertaking the works; Ensure relevant and appropriate site personnel and contractors comply with the requirements of the CEMP; Ensure relevant and appropriate site personnel and contractors clearly understand the requirements of the CEMP and ensure that compliance with the CEMP is a condition of any agreement with these parties; Obtain advice if the condition of the Site or the proposed construction works are changed, and, if necessary, arrange for an appropriately qualified party to update the CEMP, informing other relevant and appropriate parties, including the Contractor and Environmental Consultant, of the changes; Provide approvals as required by this CEMP; Provide direction as required by this CEMP
Contractor (Company engaged by Council to complete construction works required for the Works)	Procure the training and induction of employees and sub-contractors before and during the works, as appropriate and relevant; Implement the CEMP to ensure compliance; Complete the registers, databases and records required by the CEMP; Conduct works in an environmentally responsible manner; Meet relevant Work Health and Safety regulatory requirements; Implement the works in a safe and responsible manner; If unexpected conditions are encountered during excavation works notify Council and the Environmental Consultant; Complete non-conformance and corrective action reports as required and undertake follow-up corrective actions, as required; Ensure monitoring is conducted as required in the CEMP; If required, engage a suitably qualified Licenced Asbestos Removalist Contractor to conduct any asbestos excavation, handling and removal; If required, engage suitably qualified Licenced Asbestos Assessor to conduct any required air monitoring for asbestos fibres or other contaminants; Undertake audits of activities in accordance with the requirements of the CEMP; Ensure non-conformance and/or complaints are reported to Council; Undertake corrective actions in response to requests made by Council regarding specific environmental or safety issues; Ensure all works comply with relevant regulatory requirements; Inform Council if conditions change significantly from those documented in the CEMP.
Environmental Consultant (Company engaged by Council to ensure Contractor compliance with CEMP and to undertake any environmental monitoring and sampling required during the works as set out in this CEMP)	Comply with the CEMP; Provide advice to Council and Contractor concerning handling, storage and disposal of potentially contaminated soils and water; Notify Council and Contractor of any CEMP non-compliances identified during any inspections conducted during the construction works; Undertake any required environmental monitoring as set out in CEMP; Characterise waste soils for disposal, if required; Validate imported materials, if required; Make an assessment and provide advice in the event of unexpected finds and/or non-compliances with CEMP; Provide approvals as required by this CEMP; Provide direction as required by this CEMP

4 General Site Operation

4.1 Hours of Work

The hours of construction, including the delivery of materials to and from the Site, shall be restricted as follows:

- Between 7:00 am and 5:00 pm, Mondays to Fridays inclusive;
- Saturdays, Sundays and public holidays – only as approved; and
- Works may be undertaken outside these hours where:
  - The delivery of materials is required outside these hours by the Police or other authorities; or
  - It is required in an emergency to avoid the loss of life, damage to property and/or to prevent environmental harm; or
  - Variation is approved in advance in writing by Council or as directed in the conditions of approval for the development.

4.2 Traffic and Pedestrian Management

Traffic and pedestrian management is the responsibility of the Contractor. Prior to the commencement of construction works a Traffic and Pedestrian Management Plan must be prepared in accordance with the relevant standards and the plan is required to address, but not be limited, to the following components:

- Ingress and egress of vehicles to the Site;
- Loading and unloading, including construction zones;
- Predicted traffic volumes, types and routes;
- Pedestrian and traffic management methods and controls;
- Any required controls on management of water traffic during over water works.

The Traffic and Pedestrian Management Plan must be provided to Council for their approval prior to the commencement of works on the Site by the Contractor.

4.3 Site Access and Protection

During the construction works effective site signage and security that will prevent the exposure of the general public to potentially contaminated materials and/or to hazards that may exist during the course of the works and prevent damage to environmental control structures is to be established and maintained by the Contractor. During works, barriers will be installed which will restrict access to the designated works area. Only authorised persons will be able to enter the work area.

Appropriate hording or fencing must be erected between the Site and areas accessed by the public during the Works when the Works are likely to cause obstruction or inconvenience to pedestrian or vehicular traffic in that public place or if the works require the enclosure of a public place. The installation, maintenance, management and removal of any required hoarding or fencing is the responsibility of the Contractor.

4.4 Noise and Vibration

The Site is located proximal to a residential area and therefore the noise that the works generate should be controlled by the Contractor by the following means:

- Ensure works are undertaken within appropriate hours of operation set out above;
- Ensuring that no vehicles, machinery or equipment generate noise levels beyond applicable guidelines; and
- Ensuring that all equipment and machinery shall be operated in an efficient manner to minimise the emission of noise.

Construction work should be undertaken to comply, where relevant, with the guidance provided in the NSW Department of Environment and Climate Change (DECC) (2009) "*Interim Construction Noise Guideline*" and the Australian Standard 2436-2010 '"*Guide to Noise Control on Construction Maintenance and Demolition Sites*" for the control of construction site noise. The Construction Contractor is required to notify Council of any activities that could exceed the construction noise management levels and how the noise generated from these activities will be managed. Where relevant such noise mitigation measures must be presented by the Contractor in a Construction Noise Management Plan that is provided to and approved by Council prior to commencement of works.

The Contractor should use advanced technology and the best practicable means to prevent or mitigate the effects of noise emissions from the works, and shall be prepared to demonstrate that plant, equipment and methods comply with these requirements at all times.

It is anticipated that the proposed works will not generate vibration such that any control measures will be required. However, any vibration caused by construction at any residence or structure outside the Site must be limited to:

- For structural damage vibration, German Standard DIN 4150 Part 3 Structural Vibration in Buildings. Effects on Structures;
- For human exposure to vibration, the evaluation criteria presented in British Standard BS 6472- Guide to Evaluate Human Exposure to Vibration in Buildings (1Hz to 80 Hz) for low probability of adverse comment;
- Vibratory compactors must not be used closer than 30 metres from residential buildings unless vibration monitoring confirms compliance with the vibration criteria specified above;
- It is noted that these limits apply unless otherwise detailed by the Contractor in a Construction Vibration Management Plan that is provided to and approved by Council prior to commencement of works on the Site by the Contractor.

4.5 Odour and Dust

The requirements of this CEMP must be implemented by the Contractor to ensure that adequate measures are undertaken to adequately prevent odour and dust from the Site and affecting the amenity of the neighbourhood during construction. These measures are detailed in Sections 5.5.6 and 5.5.7 of this CEMP.

4.6 Work Health and Safety

The Contractor is required to prepare a detailed Site-specific Work Health and Safety Plan that is prepared and implemented in accordance with all relevant and applicable Work Health and Safety legislation, regulations, codes and guidelines. This plan must be prepared to adopt the personal protective equipment and control measures set out in this CEMP to ensure the protection of worker health due to the potential for contaminated materials to be exposed and handled during the construction works.

The Site-specific Work Health and Safety Plan must be provided to and approved by Council prior to the commencement of works on the Site by the Contractor.

5 Soil, Sediment and Water Management

The construction works shall be conducted in strict accordance with the soil, sediment and water management measures outlined in this section. The control measures set out below have been designed to mitigate soil erosion, sediment disturbance and control discharge of sediment, nutrients and other pollutants to the land and/or waters during works.

The objective of these measures is to ensure that the construction works do not contribute to sedimentation of waterways and drainage systems or cause wind blown soil loss or result in the discharge of contaminated or potentially contaminated sediments, soils or waters from the Site.

5.1 General Works

The construction works required to be undertaken on the Site must implement the following general measures:

- Prevent migration of any waters generated during the works, geosocks or similar will be placed around any newly disturbed surfaces/excavated areas where soils are exposed and stockpiled material to prevent sediment and contaminant laden runoff into nearby stormwater drains or surface water bodies;
- Any material which is collected behind the sediment control structures shall be either placed into a designated stockpile or incorporated back into the stockpiled material from which it was generated;
- Storage and stockpiling during construction works must not be located outside the boundaries of the Site;
- Disturbance and handling of soils that are identified to be potentially contaminated or contaminated must be undertaken in accordance with the requirements of this CEMP;
- Any materials that require disposal off-site will require the Environmental Consultant to conduct appropriate sampling and analysis to determine the requirements for off-site disposal in accordance with NSW EPA (2014) "*Waste Classification Guidelines*" or equivalent. Waste Classification information must be obtained by the Contractor from the Environmental Consultant prior to any soil material or waters being disposed off-site;
- Any excess materials shall be treated and handled as per the requirements outlined in this CEMP.

5.2 Handling of Contaminated and Potentially Contaminated Materials

Results of recent investigations (the Assessment Report) has identified that the surface and sub-surface of the Site contain sandy to clayey fill materials that comprise variable proportions of bricks, tiles, slag, ash and glass. Based on the results of this investigation work the contaminants of concern in the fill materials present in the sub-surface on the Site are limited to the presence of carcinogenic PAHs and asbestos with no evidence of the presence or potential presence of gross or significant chemical contamination, odours, staining, sheens, putrescible waste or perched groundwaters in the fill materials at the locations sampled.

Given these results, it is considered unlikely to be any specific point sources of contamination to the surface and sub-surface environment on the Site but rather, the contamination, if present, would be directly associated with the presence of fill materials in the sub-surface and as such its distribution would be likely to be variable through the sections of the sub-surface where fill materials were present on the Site.

Given the above, during the Works any solid or liquid materials excavated from the surface and sub-surface of the Site must be handled with care and in accordance with the requirements set out in Section 5.2.1 below.

5.2.1 Handling of Potentially Contaminated Materials

The contamination potentially present in the fill materials on the Site and the associated hazards are generally detectable through visual or olfactory means such as:

- Significant ash or coke or slag contaminated soils through visual observation;
- Hydrocarbon or coal tar or other non-aqueous phase liquids or impacted materials through presence of slicks, sheens, staining and odours.

In the event that one or more of the above mentioned substances are encountered, the following steps should be undertaken:

- STEP 1: Immediately cease work and prevent access and exposure to workers.
- STEP 2: Contractor to contact Council.
- STEP 3: Contractor to contact Council and seek agreement to contact Environmental Consultant to discuss nature of material encountered.
- STEP 4: Environmental Consultant will propose options for continued work based on discussion with Council and Contractor. Council will then provide a direction to the Contractor. Such scenarios include, but may not be limited, to the following::
    - Option 1: If material is consistent with ash, coke and slag contaminated fill known to exist on Site, Contractor will be advised to continue excavation, stockpile fill material separately with appropriate environmental controls as described in this CEMP and to ensure that all workers potentially in contact with potentially contaminated fill materials use appropriate PPE as described in Section 5.2.3 of this CEMP; or
    - Option 2: If material is observed to contain or potentially contain fibrous asbestos (AF/FA) or asbestos containing materials (ACM) the Contractor is to stop work until Council determines the actions required, which may include consultation with the Environmental Consultant, who may attend Site and assess the material and subsequently may advise Council to inform the Contractor to prepare and implement their Asbestos Management Plan (see Section 5.2.2);or
    - Option 3: If material is not consistent with fill known to exist on the Site the Contractor may be advised by Council to stop work until the Environmental Consultant can attend Site and assess the material.
- STEP 5: Environmental Consultant to undertake detailed inspection and sampling and analysis of material (if deemed to be required by Council) (either in-situ or in stockpile).
- STEP 6: Environmental Consultant to assess analytical results against relevant guidelines made or endorsed by NSW EPA.
- STEP 7: If required by Council, Environmental Consultant to provide information and advice to Council and the Contractor on the outcomes of any inspections or assessment undertaken.
- STEP 8: Council to direct Contractor to implement relevant advice.
- STEP 9: Contractor provides confirmatory evidence of implementation of required works to Council and Environmental Consultant.

5.2.2 Asbestos Management

Given that asbestos, in the form of fragments of asbestos containing materials (ACM), has been identified to be present in the sub-surface fill materials the Contractor must be appropriately licenced or engage an appropriately licenced asbestos removalist. The Contractor or it's licenced asbestos removalist shall prepare and implement an

Asbestos Removal Control Plan (ARCP) in accordance with the WHS Regulation 2017 and the Safework NSW *Code of Practice How to Safely Remove Asbestos*, August 2019.

The ARCP will provide an assessment on the whether the works to be undertaken that involve the disturbance, excavation, transportation, stockpiling and/or placement of materials containing asbestos are deemed to be "non-friable" or "friable" work.

The ARCP will also provide recommendations on the location and type of works that will require the ARCP to be implemented specific to the Works.

The ARCP will set out the minimum requirements that the Contractor must meet in undertaking any works that require the disturbance and handling of asbestos containing soils on the Site, including the following:

- Licensing requirements;
- Notification to SafeWork NSW requirements;
- Requirement for preparation of an ARCP;
- The objectives of the ARCP;
- The steps to be undertaken during disturbance or excavation of asbestos containing soils;
- The control measures that must be implemented to prevent release of asbestos fibres and to ensure:
  - The health of neighbouring occupants is being protected;
  - The health of workers are being protected, including the requirements for specific PPE and RPE; and
- Health, safety and environmental management controls during excavation, transportation, stockpiling and placement of materials containing asbestos
- The requirement for the preparation of an appropriately designed asbestos air monitoring program;
- Set out that the asbestos containing soils that are generated as a result of the excavation works will be required to be placed to a location within the Site that is to be designated by Council;
- That the works for the placement of asbestos containing soils in the Council designated location will include the installation of a capping layer over the asbestos containing soils.

The Contractor would be required to provide the ARCP to Council for review and acceptance as appropriate prior to commencing any works and will be required to notify Council of any notifications sent to SafeWork NSW in relation to the asbestos related works.

5.2.3 Personal Protective Equipment

Personnel working on Site must wear PPE that is specified by the Contractor in their WHS documentation. In addition, the following PPE is required to be worn when in the vicinity of operational machinery or when in contact with soil/water:

- Long Sleeved shirt and Long Pants;
- Safety glasses;
- Gloves.

If during construction works, particularly during excavation works, unusual or unexpected odours are noted by any personnel, the Environmental Consultant must be notified and a PID monitor must be made available on-site to

monitor the breathing zone of site personnel. Should the results of monitoring indicate a potential issue a half–face respirator fitted with relevant organic chemical filters and coveralls/tyvex (chemical resistant) must be made available for use in the event that significant contamination/odours are encountered. If the MUL Action levels and PPE requirements for benzene (most conservative and PID measures benzene equivalents) as presented in Table 2 are to be applied as a minimum within the breathing zone during the works.

Table 2: MUL Action Levels for Benzene Equipment

Chemical Hazards:	Risk: H - High M - Med L - Low	TWA (ppm)	STEL (ppm)	MUL Action levels (75% safety margin worked into MUL)				LEL (%)
				No APR	½ face APR	full face APR	IDLH reached	
☒ Benzene	L	0.7	2.5[(a)]	3	26	53	1000	5
Max Use Limit (MUL) = (Protection Factor x Exposure Limit) x 75% ** PF= 10 for ½ face, 50 for full face, 10000 for SCBA (a). No Occupational Exposure Standard exists as an STEL. This is calculated to be a maximum of 2.5 times the unadjusted TWA of 1 TWA Concentrations are based on a maximum 10 hr day								

5.3 Generation of Excess Soils and Waters

The construction works will require excavation of the surface and into the sub-surface of parts of the Site, however, such works are minimal and are not expected to generate excess materials. However, if excess materials are generated then they are likely to primarily consist of fill materials though some natural soils/clays may also result. Excess soils generated will be required to be stockpiled and managed in accordance with the requirements of this CEMP.

It is expected that the excavation works required would not impact on any perched groundwater table that maybe present in the fill materials at depth and it is not expected that dewatering of excavations would be required.

Given the current gradient across the Site and the surface coverings, it is not expected that sheet flow or large volumes of surface water flows could be expected to be generated on the Site during the construction works. Where excess/accumulated waters are generated on the Site then they will be required to be stored and managed in accordance with the requirements of this CEMP.

5.4 Generation of Acid Sulphate Soils

It is expected that given the nature of the Works, that they will not require the lowering of the ground surface level or the shallow groundwater table such that dewatering of excavations would be required or that potential acid sulfate soils will be encountered or that acid sulphate soils could be generated.

However, notwithstanding the above an Acid Sulfate Soil Management Plan has been prepared for the Works (the ASSMP).

If agree to by Council, the Contractor is required to adopt the ASSMP where it is required to be applied during the Works.

5.5 Excavation and Stockpiling

5.5.1 Excavation Works

Excavation works are any works that involve the disturbance of the current surface and/or sub-surface of the Site and includes disturbance of fill materials and/or natural soils. The Works on the Site will involve a program where excess soils are not anticipated to be generated. Given the presence of fragments of ACM in the sub-surface fill materials, all excavation works must be completed under the ARCP to be prepared and implemented by the Contractor in accordance with Section 5.2.2 of this CEMP.

Any excess soils and/or rock generated must be transferred to a designated area for stockpiling for inspection and/or sampling and analysis to be undertaken by the Environmental Consultant to either determine the stockpiled materials suitability for beneficial re-use elsewhere on the Site (preferred) or to determine if they require disposal off-site by the Contractor.

Care should be taken during excavation and stockpiling to ensure that soil materials from distinctly different horizons are not mixed and that different types of materials are stockpiled separate from each other in order to maximise the potential beneficial re-use and/or minimise the volumes requiring off-site disposal.

Excavation works will require the Contractor to ensure the following:

- Implementation of necessary environmental protection measures in accordance with the requirements of this CEMP; and
- Documenting and recording the works.

5.5.2 Stockpiling Works

During the excavation and earthworks on the Site, stockpiles are required to be established in designated areas, to be nominated by the Contractor. All stockpiles will be maintained in an orderly and safe condition according to the requirements of this CEMP. The movement of stockpiles will need to be undertaken in accordance with the materials tracking requirements of this CEMP.

As stated above, if excess soils are generated then these should be transferred and placed to a designated area for stockpiling to allow for Council to agree to the requirements for sampling and analysis to be undertaken by the Environmental Consultant. The results of such sampling would be used to either determine the stockpiled materials suitability for beneficial re-use elsewhere on the Site (preferred) or to determine if they require disposal off-site by the Contractor.

Care should be taken during excavation and stockpiling to ensure that soil materials from distinctly different horizons are not mixed and that different types of materials are stockpiled separate from each other in order to maximise the potential beneficial re-use and/or minimise the volumes requiring off-site disposal.

Where stockpiling is required the stockpiling of excavated material will comprise the following:

- Establishment of stockpiles in designated areas;
- Implementation of necessary environmental protection measures in accordance with the requirements of this CEMP;
- Documenting the location and observations of stockpiles and any other activities relevant to the works such as:
    - Following the implementation of any environmental control measures; and
    - Following storm/rainfall events to assess the potential for sediment (and contaminant) laden run-off.

5.5.3 Stormwater and Sediment Control

Stormwater and sediment control is needed to prevent flows of surface water and/or deposition of sediments off-site either onto neighbouring properties and must include the following:

- Installation and maintenance of perimeter control barrier measures along the boundary of the Site. These control measures must be constructed to minimise migration of sediment and waters, primarily as a component of surface run-off into surrounding areas and roadways and to other parts of the Site. These measures should be constructed as silt fences constructed of filter fabric or mesh. Should conditions require it, straw bales may also be needed;
- Installation and maintenance of perimeter control barrier measures around designated stockpile areas and water retention areas for the duration of the works. These control measures must be constructed to minimise migration of soils as sediment and waters, primarily as a component of run-off from the surface of the stockpiles to the surrounding areas of the Site. These measures should be constructed as silt fences constructed of filter fabric or mesh. Should conditions require it, straw bales may also be needed surrounding the stockpiles;
- Perimeter control barriers may require scour protection or similar to divert surface runoff away from the boundaries of the Site. The requirement for such measures is to be determined by the Contractor. Surface run-off generated within the Site will be diverted by a series of bunds into temporary stormwater retention areas to be constructed by the Contractor. These retention areas will be located away from the boundaries of the Site and must be constructed with a minimum storage capacity to contain a 10 year ARI storm event of 6 hours duration, as per the recommendation in the CALM *Urban Erosion and Sediment Control Guideline* (1992) and the '*Blue Book - Managing Urban Stormwater: Soils and Construction*, Landcom (2004). Following completion of the earthworks, the retention areas and associated bund structures Coouncil may require that an assessment of these structures be completed by the Environmental Consultant. The Environmental Consultant may collect samples from the floor and walls of the pond and analyse samples for the chemicals of concern.

All stormwater and sediment control should be checked for damage, regularly and immediately after periods of significant rainfall to ensure their effective functioning. Deposited sediments must be removed by the Contractor and transferred to the designated stockpile area and retained within a separate stockpile to allow for the Environmental Consultant to determine the options for either beneficial re-use or disposal off-site. Accumulated waters outside of the designated stormwater retention areas must be transferred by the Contractor to the retention areas to allow for Council to determine options for how these waters are to be managed.

5.5.4 Erosion Prevention and Control

It is noted that the construction works on the Site are assessed as being of low erosion hazard due to the very flat gradient across the areas of the Site where the Works are to be undertaken. As such general erosion control measures are considered to be adequate to prevent erosion during construction works as follows:

- Where possible ensure that only minimum areas of land are disturbed at any one time and where disturbed surfaces remain unsealed during the works, ensure that they are left with a scarified surface to inhibit soil erosion;
- Ensuring that during periods of high wind, to prevent wind blown soils and dust, that all disturbed areas and stockpiled materials that may create dust are wetted down or covered;
- Ensuring that during construction that excavations that are deeper than 0.5 m are not left open for a period of more than 12 hours or overnight;
- Ensure stockpiles are:
    - Located only within the designated stockpile area away from the boundaries of the Site;

- Located on liners or hardstand and any bunding must also be located either within the liner footprint or on hardstand;
- Formed to be protected from run-on water upslope and with sediment filters immediately downslope to protect areas from runoff from the stockpiles; and
- Not greater than 3 metres in height and stabilised by covering or hyrdro seeding or spraying if retained for longer than 10 days to minmise runoff and sediment transportation.

All erosion prevention and control measures should be implemented for the duration of the works and where physical controls are installed, they need to be regularly checked and immediately after periods of significant rainfall to ensure their effective functioning.

5.5.5 Excess/Accumulated Waters

Any accumulated waters encountered during works require handling with appropriate PPE as set out in Section 5.2.3 of this CEMP. Large volumes of excess waters are not to be disposed onto unsealed areas of the Site or elsewhere without Council in consultation with the Environmental Consultant (if required), providing confirmation that the waters are of an appropriate quality for this activity to be acceptable.

Any excess waters deemed not appropriate to be disposed onto unsealed areas of the Site or elsewhere must be disposed off-site. If agreed by Council, any liquids that require disposal off-site will require the 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.

5.5.6 Dust Control

The Contractor is required to ensure that adequate measures are undertaken to prevent dust from affecting the amenity of the neighbourhood during construction. In particular, the following measures must be adopted:

- Physical barriers to be erected at right angles to the prevailing wind direction or being placed around or over dust sources to prevent wind or activity from generating dust emissions;
- Earthworks and scheduling activities shall be managed to ensure that only minimum areas of land are disturbed at any one time and where disturbed surfaces remain unsealed during the works , ensure that they are left with a scarified surface to inhibit soil erosion;
- Ensuring that during periods of high wind, to prevent wind blown soils and dust, that all disturbed areas and stockpiled materials that may create dust are wetted down or covered;
- Vehicles carrying spoil or rubble to or from the Site shall at all times be covered to prevent the escape of dust or other materials;
- All equipment wheels shall be washed before exiting the site using manual or automated sprayers and drive through washing bays (if applicable);
- Gates shall be closed between vehicle movements and shall be fitted with shade cloth; and
- Cleaning of footpaths and roadways shall be carried out regularly by manual dry sweep or by use of a cleaning vehicle.

5.5.7 Odour Control

The objective of odour control measures implemented on the Site is to take all practicable measures to ensure that odours emanating from within the Site are minimised such that nuisance odours cannot be detected outside the Site boundaries and the ambient air quality is not adversely impacted.

Odour and air quality is to be managed by the Contractor adopting the following procedures:

- If during excavation works odours are noted to be present the Contractor must notify Council who may consult with the Environmental Consultant to determine the requirement for an assessment to be undertaken and to determine the options for a response which may include the following:
    - Minimising the areas of exposed materials within excavations and covering excavated materials with plastic sheeting, etc;
    - Securely covering loads of contaminated or waste materials leaving the Site ;
    - Where excavations are open to the environment and odours are being generated such that controls are required, setting the area under direct supervision, with mist sprays and where (and if) required movable mist sprays to be set up on the site boundary fences to provide additional odour suppression;
    - Undertaking excavation activities in favourable weather conditions; and
    - Adequate maintenance of equipment and machinery to minimise exhaust emissions.

Excavations and stockpiled materials that have been confirmed by the Environmental Consultant to have the potential to emit odour must be monitored with a PID unit (equipped with high intensity lamp) on a regular basis. Section 5.2.3 of this CEMP specifies the PID criteria that would require work to cease and additional protective measures to be implemented.

5.6 Materials Handling and Tracking

The movement of materials within the Site must be tracked and the Contractor is required to prepare a Materials Tracking Plan, in which records of the following must be kept and maintained:

- Any materials imported onto the Site; and
- Any materials disposed off-site.

All loading and unloading associated with the construction activity must be accommodated on the Site, unless relevant approvals have been sought by the Contractor from the Council or other relevant authorities.

Transfer of excess materials to the designated stockpiling areas for beneficial re-use or for off-site disposal will occur via the use of appropriate equipment nominated by the Contractor. During the transfer of the materials due care will be taken to ensure that the loads do not exceed the capacity of the vehicles, and that spillages of materials are prevented.

All appropriate site rules shall be observed during the transfer of material including obeying restricted speed limits, vehicles to proceed in a forward direction only (i.e. reversing to be avoided where practicable) and trucks to remain on designated site routes where possible.

Any soils, sediments and excess/accumulated waters encountered during construction works require handling with appropriate Personal Protection Equipment (PPE) as set out in Section 5.2.3 of this CEMP.

If required by Council, the Environmental Consultant will determine the options for either beneficial re-use, placement elsewhere on the Site or disposal off-site of any excess stockpiled materials. Materials sourced from different areas of the Site or from different sources on the Site must be subject to segregated stockpiling to ensure that contaminated materials are not mixed with uncontaminated materials. The segregation of stockpiled materials is to be managed by the Contractor and assessed by Council and if Council requires, the Environmental Consultant. Where sediments are required to be stockpiled, these materials must be kept separate from materials generated from land-based works.

Any excess/accumulated waters are not to be disposed onto unsealed areas of the Site or elsewhere without Council in consultation with the Environmental Consultant (if required), providing confirmation that the waters are of an appropriate quality for this activity to be acceptable. Any excess/accumulated waters deemed not appropriate to be disposed onto unsealed areas of the Site or to Iron Cove must be disposed off-site.

If agreed by Council, any materials (solid or liquid) that require disposal off-site will require the 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. Waste Classification information must be obtained by the Contractor from the Environmental Consultant prior to any material being disposed off-site. Details of any off-site disposal of soil or other materials from the Site during the constructions works will be required to be recorded by the Contractor in the Materials Tracking Plan and must be provided to Council.

5.7 Waste Management

5.7.1 Waste Stream Management and Handling

The Contractor is responsible for the management and handling of the different waste streams that may be generated during the works on the Site.

Waste materials sourced from different areas of the Site or from different sources on the Site must be subject to segregated stockpiling to ensure that contaminated materials are not mixed with uncontaminated materials. The segregation of stockpiled materials is to be managed by the Contractor and, if required by Council, will also beassessed by the Environmental Consultant.

5.7.2 Beneficial Re-use or Placement of Excess Materials

Any stockpiled materials generated from land based areas of the Site will be subject to assessment by Council, in consultation with the Environmental Consultant (if required), to determine if the materials can be beneficially re-used on the Site or placed elsewhere on the Site. It is Council's preference to re-use or placed excess materials where appropriate and deemed suitable by Council and the Environmental Consultant, if required. The Contractor must not determine the end-point for stockpiled materials. This work is to be undertaken by the Council.

5.7.3 Waste Classification and Disposal

Any materials (solid or liquid) that are deemed by the Environmental Consultant (or if the materials are sediments) to require disposal off-site the Environmental Consultant will conduct appropriate sampling and analysis to determine the requirements for off-site disposal in accordance with NSW EPA (2014) guidelines or equivalent. Waste Classification information must be obtained by the Contractor from the Environmental Consultant prior to any material being disposed off-site. Details of any off-site disposal of soil or other materials from the Site during the constructions works will be required to be recorded by the Contractor in the Materials Tracking Plan and must be provided to Council.

5.8 Imported Materials

Materials to be imported onto the Site by the Contractor for the purposes of achieving RLs, re-instatement, establishing a suitable sub-grade for pavement or landscaping or similar must be subject to assessment by Council, in consultation with the Environmental Consultant (if required),to determine whether certification documentation supplied with the materials is deemed to appropriate or whether confirmation sampling and analysis is required.

Materials to be imported on the Site must satisfy the following criteria:

- Virgin excavated natural materials (VENM) must satisfy the criteria stated in NSW EPA (2014) and NSW DEC (2006) guidelines and be demonstrated to be:
  - Natural material (such as clay, gravel, sand, soil or rock fines);
  - Materials that has been excavated or quarried from areas that are not contaminated with manufactured chemicals or process residues, as a result of industrial, commercial, mining or agricultural activities; and
  - Materials that do not contain any sulfidic ores or soils or any other waste.
- Topsoils, growing media, mulch etc. for landscaping purposes must be visually inspected (at source and upon delivery at the Site) for foreign substances, suspicious staining and/or odours;
- Materials that are permitted to be brought onto the Site via an exemption issued under the POEO Act. The requirements of any such exemption, prior to, during and/or after importation of materials must be fully complied with;
  - Any materials proposed to be imported to the Site must not contain any of the following:
  - 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; and/or
  - Construction/demolition debris.

Materials are not to be imported onto the Site until the Council has provided to the Contractor approval. If materials are imported on the Site then their use and placement is to be recorded in the Materials Tracking Plan for the Site in accordance with Section 5.6 of this CEMP.

5.9 Environmental Incident Reporting

The Contractor is required to prepare a Pollution Incident Response Management Plan for the works on the Site. This plan must set out the procedures to be undertaken during the works to:

- Ensure timely reporting about a pollution incident to: Council and where relevant to the Environment Protection Authority (EPA), Fire and Rescue NSW, NSW Department of Health, Safework NSW , local councils and surrounding properties that may be affected by a pollution incident;
- Minimise and control the risk of a pollution incident during the works by identifying the risks and the development of planned actions to minimise and manage those risks.
- Ensure that the plan is properly implemented by personnel, identifying persons responsible for implementing it, and ensuring that the plan is tested for accuracy, currency and suitability.

Works on the Site must not commence until the plan is prepared and provided to the Council for review and approval.

5.10 Complaint Reporting and Resolution

Complaints from any parties will be directed initially to the Contractor. Following that, discussion with Council and the complainant will investigate the issue and remedy it as required or applicable. The Contractor is required to keep a detailed record of any complaints received and their resolution.

6 Unexpected Finds Protocol and Contingency Plan

6.1 Key Risks

The purpose of this contingency plan is to outline procedures for the identification and management of unexpected issues or events that may occur during the construction works on the Site.

The key risks that have the potential to arise during the works include:

- Unexpected finds; and
- Heritage (archaeological) discovery.

The contingency measures that will be implemented in the event of the above are discussed below.

6.2 Unexpected Finds

Given the historical nature of the filling activities conducted on the Site and surrounding area there is a potential for unanticipated contamination (i.e. gross contamination, contaminated soil, water or debris) and/or potential source structures such as underground fuel storage tanks to be encountered.

Should contamination not of the nature described in this CEMP or other unexpected finds be uncovered by the Contractor during the works the following steps should be undertaken:

- STEP 1: Immediately cease work and contact Council.
- STEP 2: Contractor to form an exclusion zone through the use of barricading or similar to prevent access and exposure by workers.
- STEP 3: If agreed to by Council, Contractor to contact Environmental Consultant (if not already on Site) to arrange for inspection of encountered material/conditions.
- STEP 4: Environmental Consultant to undertake detailed inspection and conduct an assessment to determine appropriate options for the management of conditions encountered.
- STEP 5: If required by Council, Environmental Consultant to provide information and advice to Council and Contractor as to approach to rectify/manage conditions encountered.
- STEP 6: If deemed required by Council, Environmental Consultant to supervise any active 'remediation' or other rectification/management works if they are required.
- STEP 7: Once any rectification/management works are completed Contractor to remove barricades for exclusion zone.
- STEP 8: Where required by Council, Environmental Consultant to prepare a report to provide to Council on the unexpected find and the works undertaken to rectify/manage the conditions encountered.

6.3 Heritage Items

Cultural heritage sites are easily damaged or destroyed by natural processes such as erosion, as well as disturbance. While it is not possible to prevent the slow destruction of cultural heritage sites, it is possible to prevent unnecessary damage by the implementation of careful work practices.

Due to the location and nature of the Site, there is a potential for heritage items, to be encountered during the works. Should potential heritage items be encountered unexpectedly, the following contingency measures should be implemented:

- STEP 1: Immediately cease all activities that could in any way interfere with or disturb the encountered site and/or object(s).
- STEP 2: Promptly report the discovery to Council who will in turn notify the relevant regulatory authorities. Until further instructions are received:
    - DO NOT disturb the Site;
    - DO NOT collect any artefacts as this may alter the scientific value;
    - DO NOT touch or interfere with painted art as this may cause the pigmentation to deteriorate, and similarly;
    - DO NOT touch up painted art or enhance engravings for the purposes of photographs.
- STEP 3: Details of the find should be documented by the Contractor including:
    - Location of find;
    - Person(s) whom encountered the find;
    - Time and date of find;
    - Description of find including number of objects, shape, colour etc;
    - Actions taken; and
    - Without touching or interfering with the site and/or objects, obtain photograph for record of find.

7 Limitations

This CEMP has been prepared for the sole purpose of setting out the environmental management measures that will be implemented on the Site during the Works required for the construction of the skate plaza on the Site 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 our prior written consent. 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 Inner West Council 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 Inner West Council 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 Inner West Council 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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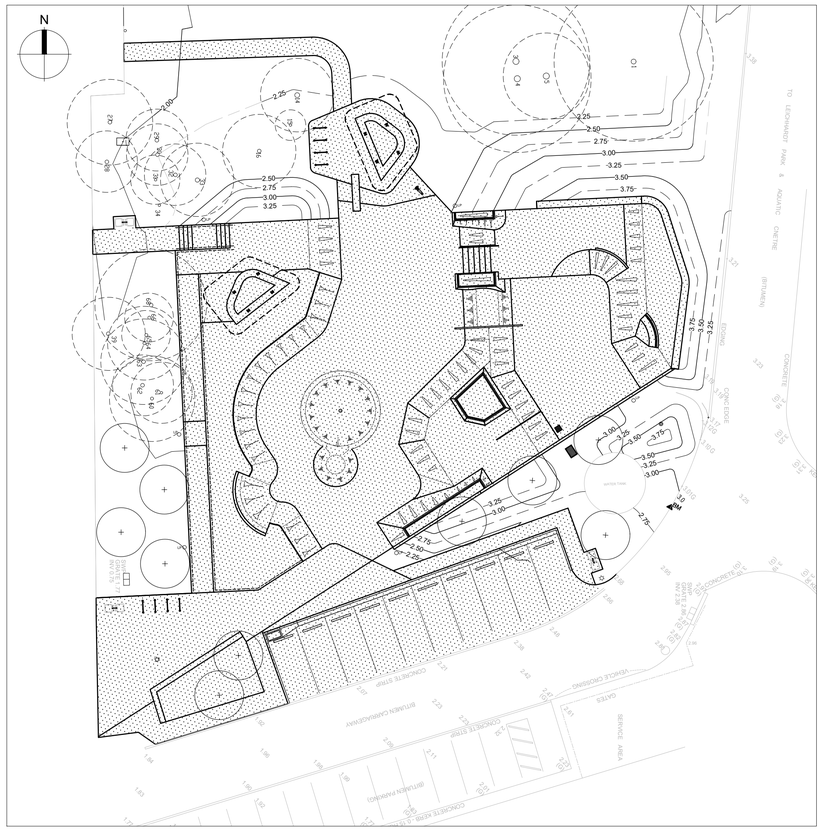
Appendix A: Detailed Design Plans for the Works

LEICHHARDT PARK SKATE PARK CONSTRUCTION DRAWINGS //

// Maliyawul St, Lilyfield NSW 2040

LOCATION MAP



OVERALL PLAN - SCALE: 1:250

- WARNING -
CONTRACTOR TO VERIFY LOCATION; DEPTH/CLEARANCE AND ALIGNMENT OF OVERHEAD AND UNDERGROUND SERVICES. CONTRACTOR TO ACQUIRE CURRENT AND RELEVANT 'DIAL BEFORE YOU DIG/ONE CALL' SERVICES DRAWINGS AND ADHERE TO ALL REQUIREMENTS FOR WORKS NEAR SERVICES INCLUDING CLEARANCES, EASEMENTS AND INFORMING SERVICE AUTHORITIES PRIOR TO COMMENCEMENT OF WORKS. THE LOCATIONS OF UNDERGROUND SERVICES INDICATED IN THIS SET OF DRAWINGS ARE INDICATIVE ONLY. PIT LOCATIONS HAVE BEEN SURVEYED BY A LICENSED SURVEYOR.

- SITE DIMENSIONS -
CONTRACTOR TO SATISFY THEMSELVES OF SITE CONDITIONS, CHANGES IN LEVEL AND DIMENSIONS PRIOR TO FABRICATION OF SITE SPECIFIC ITEMS OR PRIOR TO ORDERING/PURCHASING MATERIALS. WHERE DISCREPANCIES EXIST BETWEEN DRAWINGS AND SITE CONDITIONS CONTRACTOR TO NOTIFY SUPERINTENDENT PRIOR TO COMMENCEMENT OF WORKS.

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DRAWING STATUS:

FOR COMMENT

REVISION STATUS:

05	For Comment	18.01.22
04	For Construction	27.08.21
03	For Construction	04.08.21
02B	For Review	25.06.21
02A	For Review	24.06.21

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NOTES / LEGEND:

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Planting Plan	1821_CD400
Planting Details	1821_CD401

CLIENT NAME:

INNER WEST COUNCIL
7-15 Wetherill Street, Leichhardt
NSW 2040

PROJECT NAME:

LEICHHARDT PARK SKATE PARK
70 Mary Street,
Lilyfield NSW 2040

DRAWING TITLE:

Drawing Index

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GENERAL NOTES // ON SITE WORKS

G01 ALL WORKS TO BE PERFORMED TO COMPLY WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT 2004 AND THE OCCUPATIONAL HEALTH AND SAFETY REGULATIONS 2007.

G02 TRAFFIC / PEDESTRIAN MANAGEMENT PLANS AS REQUIRED FOR WORKS - ON SITE ONLY - TO BE SUBMITTED TO SUPERINTENDENT PRIOR TO THE COMMENCEMENT OF WORKS. REFER TO G32.

G03 ALL SERVICE AUTHORITIES TO BE NOTIFIED AND RELEVANT PERMITS RECEIVED PRIOR TO THE COMMENCEMENT OF ANY WORKS.

G04 SETOUT AS PER DETAILS SHOWN ON SET OUT DRAWINGS.

G05 ALL CO-ORDINATES ARE TO A LOCAL GRID SET OUT USING THE TRIANGULATION OF 3 KNOWN MGA GRID POINTS. REFER TO SITE PLAN CD004. ALL LEVELS TO AHD.

G07 ALL SIDE ENTRY & JUNCTION PIT LIDS, VALVE COVERS, ETC WITHIN THE WORK AREA ARE TO BE ADJUSTED TO SUIT NEW DESIGN LEVELS.

G08 ROAD CONSTRUCTION AND LANDSCAPING MATERIALS TO BE IN ACCORDANCE WITH THE SPECIFICATION.

G09 ALL SOFT LANDSCAPING MATERIALS TO BE IN ACCORDANCE WITH THE SPECIFICATION.

G10 ALL LINEMARKING TO BE LONG-LIFE, THERMOPLASTIC PRODUCT AND METHOD TO BE SUPPLIED TO SUPERINTENDENT FOR APPROVAL.

G11 THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ENGINEERING AND OTHER CONSULTANTS DRAWINGS, THE SPECIFICATION AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT.

G12 ANY DISCREPANCIES BETWEEN THE DRAWINGS OR THE DRAWINGS AND/OR SPECIFICATION AND/OR THE SPECIFIED STANDARDS MUST BE REPORTED TO THE SUPERINTENDENT AND A WRITTEN INSTRUCTION RECEIVED PRIOR TO PROCEEDING WITH THE WORKS. DURING THE TENDERING PROCESS TENDERS SHALL ASSUME THE LARGER OR GREATER CRITERIA IN TERMS OF COST IN THE ABSENCE OF THE OTHER INSTRUCTION.

G13 THE CONTRACTOR SHALL REPORT TO THE SUPERINTENDENT ANY DIFFERENCE IN SITE CONDITIONS TO THOSE INDICATED ON THE DRAWINGS.

G14 THE DRAWINGS DO NOT SHOW ALL DETAILS OF FIXTURES, INSERTS, SLEEVES, OPENING ETC, REQUIRED BY THE VARIOUS TRADES. ALL SUCH DETAILS, INCLUDING OPENINGS FOR CONSTRUCTION PURPOSES, MUST BE APPROVED BY THE SUPERINTENDENT AND A WRITTEN INSTRUCTION RECEIVED PRIOR TO PROCEEDING WITH THE WORKS.

G15 ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE RELEVANT CURRENT AUSTRALIAN STANDARD INCLUDING ALL AMENDMENTS, AND THE REQUIREMENTS OF THE LOCAL STATUTORY AUTHORITY, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS. ANY DISCREPANCIES BETWEEN THE DRAWINGS/SPECIFICATION AND THE SPECIFIED STANDARDS MUST BE REPORTED TO THE SUPERINTENDENT AND A WRITTEN INSTRUCTION RECEIVED PRIOR TO PROCEEDING WITH THE WORKS.

G16 ALL DIMENSION ARE IN MILLIMETERS UNLESS NOTED OTHERWISE. ALL LEVELS ARE IN METERS UNLESS OTHERWISE NOTED.

G17 ALL DIMENSIONS RELEVANT TO SETTING OUT AND OFF-SITE WORKS SHALL BE VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION OR FABRICATION IS COMMENCED. THE ENGINEER'S DRAWINGS SHALL NOT BE SCALED.

G18 THE CONTRACTOR MUST MAINTAIN THE CONSTRUCTION AREA IN A SAFE CONDITION AND MUST ENSURE THAT ADEQUATE BARRIERS, LIGHT AND SIGNS ARE INSTALLED AND MAINTAINED WHERE NECESSARY IN ACCORDANCE WITH AS1742,3-1996.

G19 TRENCHES THROUGH NATURE STRIPS AND SOFT LANDSCAPED AREAS TO BE FINISHED WITH MIN 100MM TOPSOIL AND GRASSED TO MATCH ADJACENT SURFACE LEVELS.

G20 THE FULL WIDTH AND DEPTH OF TRENCH ABOVE OVERLAY ZONE AS DEFINED BY AS 3725 TO BE BACKFILLED AND COMPACTED TO 98% MODIFIED DRY DENSITY (SMDD).

G21 ALL CONCRETE PIPES TO BE STEEL REINFORCED CLASS 2, RRJ UNLESS NOTED OTHERWISE.

G22 ALL EXISTING AREAS OF PAVEMENT, PAVING, K&C, FOOTPATH MUST BE SAW-CUT NEATLY BEFORE EXCAVATION.

G23 LOCATION OF UNDERGROUND SERVICES SHOWN ON PLAN ARE INDICATIVE ONLY. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. CONSTRUCTION IS TO CONFIRM DEPTH OF ALL SERVICES CROSSING PROPOSED UNDERGROUND DRAINS PRIOR TO CONSTRUCTION, AND NOTIFY COUNCIL'S SUPERVISING OFFICER OF ANY CONFLICT IMMEDIATELY. CONTRACTOR IS TO ALLOW ADEQUATE TIME IN THEIR WORK PROGRAM FOR COUNCIL TO MODIFY THE DESIGN / ARRANGE MODIFICATIONS OF SERVICE.

FOR ON SITE WORKS (EXCLUDING SUPPLY ONLY CONTRACTS) THE LOCATION OF ALL EXISTING PITS, VALVE COVERS, ETC SHOWN ON DRAWINGS HAVE BEEN REPRODUCED FROM SURVEY. THE LOCATIONS OF UNDERGROUND SERVICES HAVE BEEN NOTED FROM EXISTING RECORDS.

G24 TACTILE PAVER TO BE 300MMX300MM POLYURETHANE WARNING TACTILE INDICATOR TILE, COLOUR GREY TO MATCH PREVIOUS PRAM CROSSING TACTILE PAVER, BY GUARDIAN TACTILE SYSTEMS (08) 9240 1888 OR APPROVED EQUIVALENT.

G25 ANY VEGETATION TO BE REMOVED OR TRIMMED SHALL BE IN ACCORDANCE WITH PLANNING PERMIT REQUIREMENTS AND SUBJECT TO SUPERINTENDENTS APPROVAL.

G26 EXISTING TREES TO BE RETAINED, UNLESS WHERE SPECIFIED OTHERWISE. CONTRACTOR TO TAKE CARE TO ENSURE THAT NO DAMAGES OCCUR TO TREES TO BE RETAINED AS PER TREE PROTECTION STANDARD AS 4970 2009. CONTRACTOR NOT TO PLACE SPOIL FROM EXCAVATIONS, BULK MATERIALS, HARMFUL MATERIALS OR PARKING/STORAGE MACHINERY WITHIN TREE DRIP LINES.

G27 TREE REMOVAL: CONTRACTOR TO CONFIRM AND MARK WITH SPRAY PAINT ALL TREES TO BE REMOVED WITH DESIGNATED COUNCIL SUPERVISING OFFICER ON SITE PRIOR TO COMMENCING ANY WORK. STUMP GRINDING ALL TREES TO A DEPTH OF 500MM, REMOVE ALL DEBRIS OFF SITE AND REINSTATE NATURE STRIP. CONTRACTOR TO TAKE EXTREME CARE NOT TO DAMAGE OTHER RETAINED TREES, SERVICES OR OTHER INFRASTRUCTURE DURING TREE REMOVAL WORKS.

G28 WORKS NEAR TREES: WITHIN THE TREE DRIP LINE OR 3 METERS FROM THE TREE TRUNK OR WHICHEVER IS GREATER, THE CONTRACTOR SHALL SEEK APPROVAL FROM THE COUNCIL SUPERVISING OFFICER FOR WORKS INCLUDING CUT AND FILL OPERATIONS. PRIOR TO MACHINE EXCAVATION, USE HAND EXCAVATION TO LOCATE ROOTS IN THE VICINITY OF TREES TO BE RETAINED. CONTRACTOR TO SUBMIT A WORKS METHODS STATEMENT TO COUNCIL FOR APPROVAL PRIOR TO COMMENCEMENT OF CONSTRUCTION.

G29 ALL AREA OF PAVEMENTS, K&C AND FOOTPATHS DISTURBED BY CONTRACTOR DURING CONSTRUCTION OF DRAIN MUST BE REINSTATED TO THE ORIGINAL CONDITION.

G30 ALL ADJACENT DISTURBED VALVES, PITS, MANHOLES, SERVICES COVERS ETC TO MATCH NEW FINISHED SURFACE LEVEL.

G31 ALL SERVICES ARE TO BE PROTECTED DURING CONSTRUCTION. ATTENTION IS DRAWN TO MINIMUM COVER REQUIREMENTS OVER EXISTING SERVICES. FOR ON SITE WORKS (EXCLUDING SUPPLY ONLY CONTRACTS)

G32 WHERE INTERRUPTION OR DIVERSION OF LOCAL TRAFFIC IS REQUIRED TO COMPLETE WORKS, CONTRACTOR TO SUBMIT TRAFFIC MANAGEMENT PLAN TO SUPERINTENDED FOR WRITTEN APPROVAL BY ROAD AUTHORITY - RMS OR RTA- PRIOR T0 PROCEEDING.

G33 THE SITE IS PREDOMINANTLY FILL. PAVEMENT MAY EXPERIENCE UNCONTROLED MOVEMENT DUE TO THE GROUND PROFILE UNDER.

CONCRETE NOTES

C01 ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS3600-2009 CONCRETE STRUCTURES EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.

C02 BEAM DEPTHS ARE WRITTEN FIRST AND INCLUDED SLAB THICKNESS. BEAMS AND SLABS ARE TO BE POURED TOGETHER UNLESS NOTED OTHERWISE.

C03 SIZE OF CONCRETE ELEMENTS DO NOT INCLUDE THICKNESS OF APPLIED FINISHES.

C04 NO HOLES, CHASES OR EMBEDMENT OF PIPES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT PRIOR APPROVAL OF THE SUPERINTENDENT.

C05 CONSTRUCTION JOINTS SHALL BE PROPERLY FORMED AND USED ONLY WHERE SHOWN ON THE DRAWINGS OR SPECIFICALLY APPROVED BY THE SUPERINTENDENT.

C06 ALL EXPOSED CONCRETE CORNERS TO HAVE 15MM CHAMFER U.N.O.

C07 CAMBER OF SUSPENDED SLABS SHALL BE POSITIVE UPWARD CAMBER OF 3MM PER 1000MM SPAN UNLESS OTHERWISE STATED. BEAMS SHALL BE CAMBERED AS SHOWN ON DRAWINGS. NO CAMBER IS REQUIRED TO POST-TENSIONED BEAMS AND SLAB.

C08 FORMWORK AND BACK PROPPING SHALL BE DESIGNED, CONSTRUCTED AND STRIPPED IN ACCORDANCE WITH AS3610. REFER TO DRAWINGS AND SPECIFICATION FOR CLASS OF SURFACE FINISHES.

C09 UNO CONCRETE COMPONENTS AND QUALITY SHALL BE AS FOLLOWS:

PRECAST CROSSING UNITS	40MPa
PRECAST PAVERS	40MPa
CONCRETE KERB AND CHANNEL	32MPa
CONCRETE SLAB NOMINATED FOR SPORTS FACILITY	32MPa
CONNECTING ROADSIDE PATHWAYS	25MPa

(MAXIMUM AGGREGATE SIZE SHALL BE 20MM)
OR AS NOTED.

C10 CONCRETE DESIGN STRENGTH (f'c AT 28 DAYS) AND BASIC MIX DETAILS UNO SHALL BE AS FOLLOWS:
GRADE N32 SLUMP 100MM AGGREGATE 20MM FOR FOOTINGS.
GRADE N32 SLUMP 80MM AGGREGATE 20MM FOR PAVEMENT SLABS/WALLS.

C11 ALL CEMENT IS TO BE GENERAL PURPOSE "PORTLAND GREY CEMENT" UNLESS OTHERWISE STATED IN THE DRAWINGS AND SPECIFICATION.

C12 CONCRETE SLUMP TO BE A MAXIMUM OF 80MM UNLESS OTHERWISE STATED ON THE DRAWINGS.

C13 FREE DROPPING OF CONCRETE FROM A HEIGHT GREATER THAN 1000MM IS NOT PERMITTED.

C14 SURFACES RECEIVING GROUT SHALL BE LEFT ROUGH AND FREE OF LAITANCE.

C15 CONCRETE MUST BE CURED BY AN APPROVED METHOD IN ACCORDANCE WITH THE SPECIFICATION FOR SEVEN DAYS AFTER POURING.

C16 REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY AND NOT NECESSARILY SHOWN IN TRUE PROJECTION OF SCALE.

C17 REINFORCEMENT SYMBOLS:
N = NORMAL DUCTILITY CLASS HOT ROLLED DEFORMED BARS 500N GRADE OR MESH TO AS1302 & AS/NZS 4671 WITH FSY EQUAL TO 500MPA.
R = NORMAL DUCTILITY CLASS 250N PLAIN ROUND BAR TO AS/NZS 4671 WITH FSY EQUAL TO 250MPA.
L = LOW DUCTILITY CLASS 500L REINFORCING MESH OR BAR TO AS/NZS 4671 WITH FSY EQUAL TO 500MPA.

C18 WELDING OF REINFORCEMENT SHALL NOT BE PERMITTED WITHOUT THE APPROVAL OF THE SUPERINTENDENT.

C19 MINIMUM CONCRETE COVER TO ALL REINFORCEMENT (FINISHES NOT INCLUDED):

SLABS (TOP)	30MM
SLABS (BOTTOM)	50MM
WALLS AND FOOTINGS	50MM

C20 ALL REINFORCEMENT SHALL BE SECURELY SUPPORTED IN ITS CORRECT POSITION DURING CONCRETING BY APPROVED BAR CHAIRS, SPACERS OR SUPPORT BARS AT 1000MM MAXIMUM CENTRES. THE CHAIR MATERIAL SHALL SUIT THE EXPOSURE CONDITIONS.

C21 REINFORCEMENT FOR ANY ONE POUR SHALL BE PLACED AND TIED PRIOR TO INSPECTION BY SUPERINTENDENT PRIOR TO PROCEEDING WITH POURING OF SLAB OR WALL. CONTRACTOR SHALL NOTIFY SUPERINTENDENT 24HOURS PRIOR TO POURING OF SLAB OF PLANNED OR LIKELY REQUIREMENT FOR INSPECTION. CONTRACTOR SHALL NOTIFY SUPERINTENDENT 3HRS PRIOR TO POURING OF SLAB CONFIRMATION OF INSPECTION.

C22 2 X N12 DIAGONAL CORNER BARS 1200MM LONG ARE REQUIRED AT ALL RE-ENTRANT CORNERS OF OPENINGS IN SLABS AND WALLS.

C23 REINFORCEMENT LENGTHS ARE IN MILLIMETRES AND ARE PLAN LENGTH ONLY. TURN DOWNS AND CRANKS ARE NOT INCLUDED IN THE DIMENSION.

C24 BARS SHOWN STAGGERED ON PLAN SHALL BE PLACED ALTERNATELY.

C25 BARS SHALL BE EVENLY DISTRIBUTED OVER THE WIDTH OF THE STRIP INDICATED ON THE DRAWINGS UNLESS NOTED OTHERWISE.

C26 ALL EMBEDMENT'S SHALL BE HOT DIP GALVANISED.

C27 DURING THE CONSTRUCTION OF SUSPENDED OR CANTI-LEVERED CONCRETE ELEMENTS THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE IN A STABLE CONDITION AND ENSURING NO PART SHALL BE OVERSTRESSED UNDER CONSTRUCTION ACTIVITIES.

C28 THE STRUCTURAL WORK SHOWN ON THESE DRAWINGS HAVE BEEN DESIGNED FOR MINIMUM LIVE LOADS AS FOLLOWS:

PAVEMENT	3.0KPa
SHADE STRUCTURES/SHELTERS	0.25KPa

C29 CONCRETE SKATEPARK SURFACE TOLERANCES :

RADIUS SKATE ELEMENTS:	MAX. +/- 3 MM DEVIATION OVER A 3 M LONG MACHINE ROLLED STEEL RADIUS.
FLAT SKATE ELEMENTS:	MAX. +/- 3MM DEVIATION OVER A 3 M STRAIGHT EDGE AS PER CLASS A.

SITE DRAINAGE

SD1 SITES SHOULD BE DRAINED SO THAT WATER CANNOT POND AGAINST OR NEAR PAVED AREAS. THE GROUND IMMEDIATELY ADJACENT TO ANY PAVEMENT OF CONCRETE STRUCTURES SHOULD BE GRADED TO FALL 50MM OVER THE FIRST METRE. WHERE THIS IS IMPRACTICABLE (I.E.: ON SEVERAL SLOPING SITES) USE A.G. DRAINS ADJACENT TO THESE AREAS WHERE THE GROUND FALLS TOWARDS THE PAVEMENT OR STRUCTURE.

SD2 DISCHARGE FROM ANY DRAINAGE MUST BE DIRECTED AWAY FROM THE CONSTRUCTION AREAS DURING CONSTRUCTION PROCESS TO ENSURE WATER DOES POND ADJACENT TO AREA OF EXCAVATION OR BUILDING.

SD3 FOR ALL SITES THE NATURAL GROUND IMMEDIATELY ADJACENT TO THE CONSTRUCTION AREA SHALL BE GRADED TO A UNIFORM FALL OF 50MM MIN. AWAY FROM THE PAVEMENT AND STRUCTURE OVER THE FIRST METRE. THE SURFACE WATER AND SUB-SURFACE WATER IS TO BE DRAINED TO AN APPROPRIATE LEGAL POINT OF DISCHARGE. REFER TO THE ATTACHED SKETCH

SD4 WATERING AND LANDSCAPE BEDS ARE NOT PERMITTED ADJACENT TO BUILDING(S) AND ADJACENT TO THE PERIMETER CONCRETE PAVING SLAB. SHALLOW (300MM MAX.) AGRICULTURAL DRAIN IS TO BE INSTALLED BELOW GROUND LEVEL AT THE OUTER PERIMETER OF THE CONCRETE PAVING SLAB CONNECTED TO A GRAVITY FEED LEGAL POINT OF DISCHARGE. SUB-SURFACE WATER IN THE FORM OF PERCHED WATER TABLE MAY OCCUR WHERE SILTY CLAYS AND SANDS OVERLY IMPERMEABLE CLAY. WHERE THIS OCCURS AND AGRICULTURAL DRAIN MUST BE PROVIDED TO DIVERT THE FLOW OF WATER AWAY FROM THE CONCRETE PAVING SLAB & STRUCTURES. THIS DRAIN SHOULD BE EMBEDDED INTO IMPERMEABLE CLAY. SPECIAL ATTENTION SHOULD BE MADE NOT TO UNDERMINE THE FOOTINGS/STRUCTURES

SD5 PROVIDE SITE DRAINAGE TO PREVENT SURFACE SOIL SATURATION OR WATER PONDING NEAR PAVEMENT & STRUCTURES

SD6 CARE SHALL BE TAKEN WITH SURFACE DRAINAGE OF THE ALLOTMENT FROM THE START OF CONSTRUCTION. THE DRAINAGE SYSTEM SHALL BE COMPLETED BY THE FINISH OF CONSTRUCTION

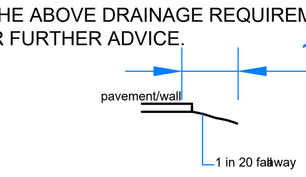
SD7 PLUMBING TRENCHES SHALL BE SLOPED AWAY FROM THE BUILDING AND SHALL BE BACKFILLED WITH CLAY IN THE TOP 300MM WITHIN 1.5M OF THE BUILDING. THE CLAY USED FOR BACKFILLING SHALL BE COMPACTED. WHERE PIPES PASS UNDER THE FOOTING & PAVEMENT SYSTEM, THE TRENCH SHALL BE BACKFILLED WITH CLAY OR CONCRETE TO RESTRICT THE INGRESS OF WATER BENEATH

SD8 SUBSURFACE DRAINS SHALL BE FREE DRAINING AND SHALL BE ABLE TO BE INSPECTED AND MAINTAINED. SUBSURFACE DRAINS SHALL BE PROTECTED BY FILTERS AND GEOTEXTILE.NOTE: WHEREVER PRACTICABLE, SUBSURFACE DRAINS SHOULD BE AVOIDED NEAR ANY CONCRETE STRUCTURE OR PAVEMENT.

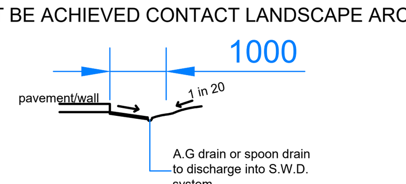
SD9 REFER TO SECTION 5 AND 6 AS2870-1996 AND AS2870-2011 FOR FULL SET OF DETAILING AND CONSTRUCTION REQUIREMENTS

SD10 REFER TO SOIL TEST AND DETAIL SHEETS FOR ADDITIONAL CONSTRUCTION AND MAINTENANCE REQUIREMENTS WHICH FORM PART OF THIS DESIGN

SD11 THE FOOTING & CONCRETE PAVEMENT DESIGN IS BASED ON A SITE HAVING PROPER SITE DRAINAGE. IF THE ABOVE DRAINAGE REQUIREMENTS CANNOT BE ACHIEVED CONTACT LANDSCAPE ARCHITECT FOR FURTHER ADVICE.



SOIL SLOPING AWAY



SOIL SLOPING TOWARD

PREPARATION OF SUB-BASE FOR SLABS ON GROUND

P1 ALL PAVEMENT SLABS TO BE POURED OVER AN APPROPRIATE SUBGRADE MATERIAL IN COMPLIANCE WITH THE RECOMMENDATIONS PREPARED BY THE GEOTECHNICAL REPORT SUPPLIED BY CIVIL TEST PTY LTD - REPORT NO. 1190944-1. EARTHWORKS SHALL BE COMPLETED IN ACCORDANCE WITH REQUIREMENTS OF AS 3798 - "GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS"

P2 PROVIDE FILL UNDER SLAB WHERE REQUIRED TO PRODUCE FINISHED LEVELS AS SHOWN ON PLANS

P3 CLEAR AREA UNDER SLAB OF ALL TOP SOIL CONTAINING HUMUS AND VEGETABLE MATTER 100MM MIN

P4 PIPELINES, PREVIOUS CONSTRUCTION AND OTHER MATERIALS UNSUITABLE FOR INCORPORATION IN THE WORKS. TOP SOIL MAY BE STOCKPILED FOR LATER USE. ALL OTHER MATERIAL TO BE REMOVED FROM SITE OTHER THAN BEST OF FILL, SUFFICIENT OF WHICH SHALL BE RETAINED TO BALANCE EARTHWORKS.

P5 PRIOR TO PLACEMENT OF ANY FILL MATERIAL, THE EXPOSED SURFACE IS TO BE PROOF ROLLED WITH FULLY LOADED TANDEM TIPPER WITH TYRES INFLATED TO APPROX. 550 KPA. ALL 'SOFT SPOTS' OR AREAS SHOWING MOVEMENT TO BE EXCAVATED AND REPLACED WITH CONTROLLED FILL - IN LAYERS NOT EXCEEDING 150MM FOR LEVEL PAVEMENT AND 200MM FOR BUILT UP AREAS - FOR RETESTING.

P6 RELATIVE COMPACTION OF COMPLETED WORKS SHALL BE AS FOLLOWS:
ROAD, DRIVEWAY AND PAVEMENT AREAS > 0.3 M BELOW PAVEMENT SUBGRADE COMPACTED IN 150MM MAX LAYERS TO 98% OF THE MAXIMUM MODIFIED DRY DENSITY (M.M.D.D.) WHEN TESTED IN ACCORDANCE WITH AS 1289. < 0.3 BELOW PAVEMENT SURFACE SHALL BE WITHIN 85% TO 115% OF OPTIMUM MOISTURE CONTENT AND TO BE PROPERLY COMPACTED TO 98% M.M.D.D

P7 FILL MATERIAL SHALL BE IMPORTED GRANULAR MATERIAL, SANDSTONE, MUDSTONE OR STABLE SILURIAN CLAY. SAMPLES AND SOURCE SHALL BE PROVIDED FOR APPROVAL OF CONSULTING ENGINEER. MATERIAL IN STOCKPILES MAY BE USED

P8 ALLOW FOR THREE COMPACTION TESTS ON COMPLETED WORKS

P9 ENSURE THAT WORKS ARE KEPT FREE DRAINING ALL TIMES. CONSTRUCT TEMPORARY SURFACE DRAINS AS REQUIRED

P10 UNLESS NOTED ON PLAN, NO TREES TO BE REMOVED WITHOUT THE CONSENT OF THE SUPERINTENDENT.

P11 EXTERNAL PAVEMENT AREA ARE SUBJECTED TO VARYING MOISTURE CONDITIONS, MOVEMENT OF THE PAVEMENT IS TO BE EXPECTED OVER TIME. IN AREAS WHERE MOVEMENT IS BEYOND EXPECTABLE SERVICEABLE LEVELS, ADJACENT PORTION OF THE CONCRETE PAVEMENT IS EITHER TO BE REPAIRED OR REMOVED AND REPLACE TO RETURN THE AFFECTED AREA TO AN EXPECTABLE CONDITION.

TREE NOTES

T1 CAREFUL AND CONTINUOUS ATTENTION SHOULD BE PAID IN THE PLACEMENT OF TREES, GARDENING AND RELATED ACTIVITIES WITHIN A BUILDING LOT AS WELL AS ITS IMMEDIATE ADJOINING PROPERTIES. THE OWNER'S ATTENTION IS DRAWN TO APPENDIX B OF AS 2870 (PERFORMANCE REQUIREMENTS AND FOUNDATION MAINTENANCE)

BULK EXCAVATION AND PAVEMENT NOTES

B01 TOPSOIL (NOMINAL DEPTH 150MM) SHALL BE STRIPPED WITHIN THE LIMITS OF EARTHWORKS. QUANTITIES OF SELECTED TOPSOIL MATERIAL FOR FUTURE LANDSCAPE WORKS SHALL BE STOCKPILED AS DIRECTED BY THE SUPERINTENDENT.

B02 AFTER BULK EXCAVATION HAS BEEN COMPLETED THE FORMED SURFACE SHALL BE PROOF ROLLED AND TESTED IN ACCORDANCE WITH THE SPECIFICATION.

B03 ALL FILLING IS TO BE CARRIED OUT IN 150MM LAYERS UNLESS OTHERWISE STATED & COMPACTED TO 98% OF MAXIMUM MODIFIED DRY DENSITY. FILLING IN ROAD RESERVES IS TO BE CARRIED OUT USING APPROVED CLAY FILL. TOPSOIL & ALL VEGETATION MATTER TO BE STRIPPED FROM SITE PRIOR TO FILLING. ALL FILLING TO COMPLY WITH AS3798.

B04 EARTHWORKS WITHIN ROAD RESERVES AND LOTS SHALL BE TESTED BY A NATA REGISTERED GEOTECHNICAL LABORATORY IN ACCORDANCE WITH AS3798 AND AS1289 AND MEET THE REQUIREMENTS OF COUNCIL.

B05 COMPACTION TESTING AND PROOF ROLLING OF EACH PAVEMENT LAYER TO BE IN ACCORDANCE WITH AS 3798 AND AS 1289 AND SHALL MEET THE FOLLOWING STANDARDS, UNLESS OTHERWISE SPECIFIED:
I - SUB GRADE 98% MODIFIED DRY DENSITY
II - BASE COURSE LAYERS 98% MODIFIED DRY DENSITY
III - ASPHALT 100% MODIFIED DRY DENSITY

B06 SOFT SPOTS OR HEAVE AREAS IN SUB GRADE SHALL BE EXCAVATED TO A SUITABLE FOUNDATION APPROVED BY SUPERINTENDENT, BACKFILLED WITH APPROVED GRANULAR MATERIAL OR CONTROLLED FILL IN 150MM LAYERS FOR LEVEL SLAB AND 200MM FOR BUILT UP AREAS AND COMPACTED TO 98% M.M.D.D.

B07 REFER TO RC WALLS AND MINOR STRUCTURE TYPICAL DETAILS FOR MINIMUM BEARING CAPACITY. FOUNDATION MATERIAL FOR RC FOOTINGS TO BE 90KPa UNO.

B08 ON COMPLETION OF WORKS THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF EXCESS SPOIL FROM THE SITE, AS DIRECTED BY THE SUPERINTENDENT.

B09 ANY SOFT, WET OR UNSUITABLE SUB GRADE MATERIALS AS DEFINED IN THE SPECIFICATION, SHALL BE REMOVED AND REPLACED WITH AN APPROVED MATERIAL AND PROPERLY COMPACTED TO COUNCIL REQUIREMENTS.

B10 APPROVED FILL MATERIALS SHALL BE PLACED IN UNIFORMED LAYERS. COMPACTED. TESTED AND PROOF ROLLED IN ACCORDANCE WITH THE SPECIFICATION. THE FINISHED EARTHWORKS LEVELS SHALL BE PROOF ROLLED AND TESTED AS SPECIFIED PRIOR TO PAVEMENT CONSTRUCTION.

B11 DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING AND MAINTAINING A TEMPORARY SITE DRAINAGE SYSTEM AND TO MAINTAIN THE SITE IN A DRY AND STABLE CONDITION. DETAILS OF THE DRAINAGE SYSTEM SHALL BE SUBMITTED FOR THE APPROVAL OF THE SUPERINTENDENT.

B12 UNLESS OTHERWISE STATED ALL BATTERS SHAPED TO FINAL PROFILE SHALL BE CONSTRUCTED AT A MAXIMUM BATTER/SLOPE OF 1 IN 4 IN ACCORDANCE WITH COUNCIL STANDARDS. TEMPORARY CONSTRUCTION BATTER TO BE LIMITED TO A MAXIMUM OF 1 IN 1.5. STEEPER BATTERS/SLOPES SHALL NOT BE CONSTRUCTED UNLESS APPROVED BY THE SUPERINTENDENT. STABILIZATION AND EROSION PROTECTION SHALL BE PROVIDED AS DIRECTED BY THE SUPERINTENDENT, AT THE CONTRACTOR'S EXPENSES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF HIS TEMPORARY WORKS.

B13 ALL UNDERGROUND SERVICES SHALL BE LAID PRIOR TO FINAL SEALING OF ANY PAVEMENTS.

B14 ALL TRENCHES UNDER PAVED SURFACES ARE TO BE BACKFILLED WITH 20MM NOMINAL SIZE CLASS 2 CRUSHED ROCK & COMPACTED TO 98% MAXIMUM MODIFIED DRY DENSITY. REFER TO GEOTECHNICAL REPORT RECOMMENDATIONS.

B15 DRAINAGE BEDDING TYPE IS TO BE 'HS2' IN ACCORDANCE WITH AS 3725 UNLESS OTHERWISE SPECIFIED.

B16 THE SITE IS PREDOMINANTLY FILL. PAVEMENT MAY EXPERIENCE UNCONTROLED MOVEMENT DUE TO THE GROUND PROFILE UNDER.

SIGNAGE AND ROAD LINEMARKING NOTES

L01 ALL SIGNAGE TO BE MANUFACTURED IN ACCORDANCE WITH AS1742 "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES"

L02 UNLESS OTHERWISE SHOWN. ALL SIGNS AND LINEMARKINGS TO BE INSTALLED IN ACCORDANCE WITH RMS TRAFFIC ENGINEERING MANUAL VOLUME 2 "SIGN AND LINEMARKING"

L03 ALL LINEMARKINGS TO BE CARRIED OUT BY A CONTRACTOR APPROVED BY COUNCIL SUPERINTENDENT REPRESENTATIVE.

L04 ALL REDUNDANT LINEMARKING TO BE REMOVED BY GRINDING PRIOR TO THE INSTALLATION ON NEW LINEMARKING.

L05 ALL LINEMARKING MATERIALS TO BE THERMOPLASTIC IN ACCORDANCE WITH RMS STANDARDS SPECIFICATIONS FOR ROADWORKS AND BRIDGEWORKS SECTION 722 PART D - LONGLIFE PAVEMENT MARKINGS.

L06 ALL EXISTING LINEMARKING PARTIALLY AFFECTED BY THE WORKS SHALL BE FULLY REFRESHED.

L07 THE EXISTING SIGN POSTS ARE TO BE USED FOR THE REINSTATEMENT OF THE SIGNS IN LOCATIONS AS SHOWN ALL POSTS ARE TO BE CUT TO A STANDARD LENGTH TO MAINTAIN 2040MM BELOW THE BOTTOM OF THE SIGN BEFORE REINSTATEMENT.

FOOTING NOTES

F01 THE ASSUMED FOUNDING LEVELS OF THE FOOTINGS IS TO BE AS INDICATED ON THE DRAWING. BEFORE ANY REINFORCEMENT OR CONCRETE IS PLACED, THE SAFE BEARING CAPACITY OF THE GROUND IS TO BE VERIFIED BY THE GEOTECHNICAL ENGINEER. EXCAVATION SHALL CONTINUE UNTIL THE REQUIRED BEARING CAPACITY IS FOUND. THE OVER- EXCAVATION SHALL BE BACK FILLED WITH BLINDING CONCRETE TO THE ASSUMED FOUNDING LEVEL.

F02 THE CONTRACTOR IS TO ALLOW FOR THE ENGAGEMENT OF THE GEOTECHNICAL ENGINEER TO VERIFY THE FOUNDING MATERIAL.

F03 OVER-EXCAVATION WITHIN THE INFLUENCE ZONE (45DEGREE LINE DOWN FROM BASE OF THE WALL) OF ANY RETAINING WALL IS NOT ALLOWED WITHOUT THE PRIOR APPROVAL OF THE APPROVAL OF THE EXCAVATION SEQUENCE BY THE SUPERINTENDENT.

PRECAST CONCRETE

PC1 IF CRANES ARE TO BE LOCATED ON SLAB DURING ERECTION, DETAILS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO POURING GROUND FLOOR SLAB. PRIOR TO LIFTING OF ANY WALL PANELS THE MANUFACTURER OR CONTRACTOR SHALL PROVIDE TO THE ENGINEER ALL RELEVANT CRANE WHEEL AND OUTRIGGER LOADING TO BE APPLIED ON THE FLOOR SLAB AND SHALL PROVIDE LOAD SPREADING AS DIRECTED BY THE ENGINEER.

PC2 LEVEL AND POSITION PANELS IN THEIR FINAL POSITION USING PATENTED PLASTIC SHIMS AND 20mm THICK CONTINUOUS GROUT BED.

PC3 APPLY STIFF NON-SHRINK GROUT TO ALL HORIZONTAL JOINTS AND FERRULE HOLES AS REQUIRED.

PC4 GROUT TO BE USED SHALL BE NON SHRINK, NON-STAINING, HAVE A 28 DAY CHARACTERISTIC STRENGTH OF 40 MPa. DETAILS OF THE PROPOSED GROUT USED SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

PC5 ALL SEALANTS SHALL BE AS SPECIFIED BY THE ARCHITECT.

PC6 ALL PANELS TO ACHIEVE CONCRETE GRADE N25 MINIMUM AT TIME OF LIFTING. REFER ALSO TO NOTE PC4.

STEEL FABRICATION

S1 ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS4100, AS 4600, AS1554 AND AS HB63 EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.

S2 UNLESS NOTED OTHERWISE, ALL STEEL SHALL BE:
GRADE 300 PLUS FOR HOT ROLLED SECTIONS
GRADE 300 PLUS FOR WELDED SECTIONS
GRADE 300 PLUS FOR MERCHANT BAR
GRADE 250 PLUS FOR PLATE
GRADE C350 FOR RHS, CHS AND SHS

S3 CONTRACTOR TO PROVIDE PREFERRED METHOD OF FABRICATION AND ASSEMBLY, MATERIALS, DIMENSIONS, LIFTING POINTS, FIXINGS, PENETRATIONS ETC FOR SUPERINTENDENT APPROVAL. ALLOWANCE TO PREPARE SHOP DRAWINGS AS REQUIRED BY FABRICATOR TO COMPLETE WORKS AS DOCUMENTED.

S4 ALL DIMENSIONS SHALL BE VERIFIED ON SITE PRIOR TO FABRICATION.

S5 ALL BOLTS, NUTS AND WASHERS SHALL BE HOT DIP GALVANISED.

S6 ALL STEELWORK [STRUCTURAL] BELOW GROUND SHALL BE IN CASED IN 50MM MINIMUM CONCRETE ALL ROUND. REFER CD200 FOR MINIMUM COVER FOR REINFORCEMENT STEEL.

S7 THE ENDS OF ALL TUBULAR MEMBERS ARE TO BE SEALED WITH THE MEMBER'S NOMINAL THICKNESS PLATES AND CONTINUOUS FILLET WELDED UNLESS NOTED OTHERWISE.

S8 ALL HOT DIPPED GALVANISED MEMBERS SHALL BE PROVIDED WITH VENT AND DRAINAGE HOLES IN ACCORDANCE WITH THE GALVANISER'S RECOMMENDATIONS AND TO THE ACCEPTANCE OF THE SUPERINTENDENT.

S9 WHERE MEMBER OR STEEL WORKS SHOWN ON THE STRUCTURAL OR ARCHITECTURAL DRAWINGS ARE REQUIRED TO BE CURVED, BENT OR ROLLED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE METHODS REQUIRED TO ACHIEVE THE REQUIRED SHAPE WITHOUT LOCALISED DISTORTION OF THE MEMBERS.

S10 THE CONTRACTOR SHALL PROVIDE AND LEAVE IN PLACE, UNTIL PERMANENT BRACING ELEMENTS ARE CONSTRUCTED, SUCH TEMPORARY BRACING AS IS NECESSARY TO STABILISE THE STRUCTURE DURING ERECTION.

S11 THE CONTRACTOR SHALL PROVIDE ALL CLEATS AND DRILL ALL HOLES NECESSARY FOR FIXING STEEL, TIMBER AND OTHER ELEMENTS TO STEEL WHETHER OR NOT DETAILED ON THE STRUCTURAL DRAWINGS.

S12 THE FABRICATION AND ERECTION OF THE STRUCTURAL STEELWORK SHALL BE SUPERVISED BY QUALIFIED PERSONNEL EXPERIENCED IN SUCH SUPERVISION TO ENSURE THAT ALL REQUIREMENTS OF OH& S AND THE DESIGN ARE MET. DETAILS OF ERECTION SEQUENCE SHALL BE SUBMITTED TO THE SUPERINTENDENT FOR REVIEW PRIOR TO THE COMMENCEMENT OF ERECTION. THE APPROVED ERECTION SEQUENCE SHALL NOT BE VARIED DURING THE ERECTION PROCESS WITHOUT THE APPROVAL OF THE SUPERINTENDENT.

S13 STRUCTURAL STEELWORK SHALL HAVE THE FOLLOWING SURFACE TREATMENT IN ACCORDANCE WITH THE SPECIFICATION AND SHOWN ON THE DRAWINGS. ANY DISCREPANCIES IN THE DRAWINGS AND SPECIFICATION* SHALL BE REPORTED TO THE SUPERINTENDENT.

S14 ALL STEEL WORK (EXPECT PAINTED STEELWORK AS SPECIFIED BY THE ARCHITECTS) TO BE HOT DIPPED GALVANISED IN ACCORDANCE WITH THE SPECIFICATION, INCLUDING ALL BOLTS AND FIXINGS.

WELDING NOTES

W1 ALL SHOP WELDS SHALL BE IN ACCORDANCE WITH AS 1554 UNLESS NOTED OTHERWISE. ALL WELDING SHALL COMPLY WITH AS 1554 AND AS 4100.

W2 BEFORE COMMENCEMENT OF FABRICATION, CONTRACTOR TO SUBMIT DETAILS OF PROPOSED WELDING PROCEDURES TO THE SUPERINTENDENT. FABRICATOR TO PROCEED AT OWN RISK PRIOR TO ACCEPTANCE OF WELDING PROCEDURE.

W3 OTHER THAN SITE WELDS, IF ANY, SHOWN ON THE SHOP DRAWINGS, DO NOT WELD ON SITE WITHOUT PRIOR APPROVAL FROM THE SUPERINTENDENT WHEREVER POSSIBLE, LOCATE SITE WELDS IN POSITIONS FOR DOWN HAND WELDING.

W4 WELDING SHALL BE CARRIED OUT UNDER THE IMMEDIATE AND CONTINUOUS SUPERVISION OF A SUPERVISOR EMPLOYED BY THE FABRICATOR. THIS PERSON SHALL HAVE QUALIFICATION AS DESCRIBED IN AS1554 AND THESE QUALIFICATION SHALL BE SUBMITTED TO THE SUPERINTENDENT ON REQUEST.

W5 TESTING OF WELDS 100% OF WELD TO BE VISUALLY INSPECTED.

PROJECT NUMBER — DRAWING NUMBER — REVISION NUMBER

Project // Drawing Number: 1821_CD001 — Revision: A

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NOTES / LEGEND:

SITE SPECIFIC NOTES:

01. REFER TO GEOTECHNICAL REPORT SUPPLIED BY CIVIL TEST PTY LTD - REPORT NO. 1190944-1, FOR ALL SUBGRADE PREPARATIONS.

CLIENT NAME:

INNER WEST COUNCIL
7-15 Wetherill Street, Leichhardt
NSW 2040

PROJECT NAME:

LEICHHARDT PARK SKATE PARK
70 Mary Street,
Lilyfield NSW 2040

DRAWING TITLE:

General Notes

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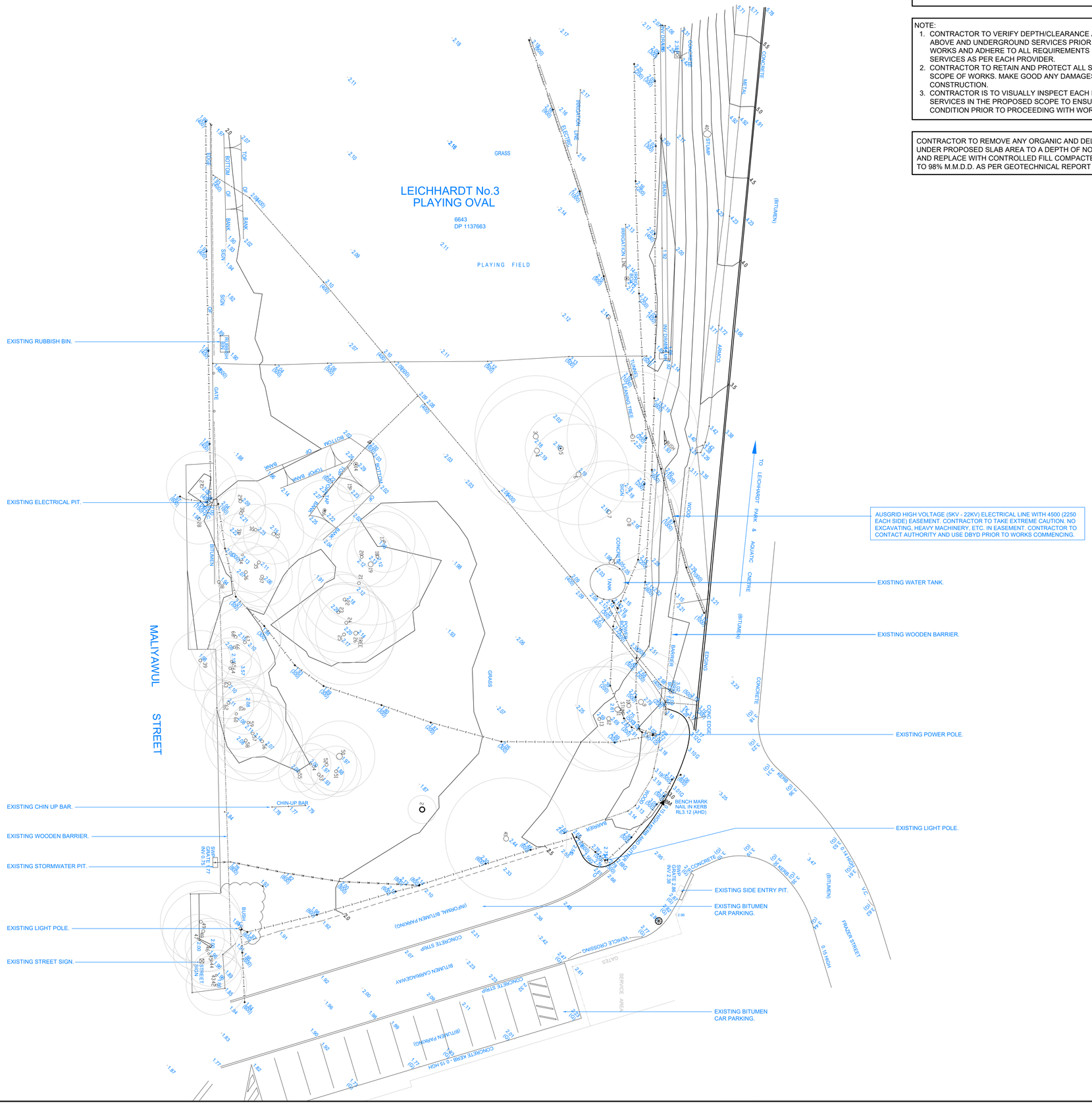

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NOTES / LEGEND:

EXISTING CONDITIONS NOTES:

DIGITAL SURVEY PREPARED BY:
NORTON SURVEY PARTNERS 29.11.2018

1. SITE ACCESS TO BE CONDUCTED FROM ADJACENT CAR PARK. ANY DAMAGE INCURRED BY SITE ACCESS TO BE REPAIRED AT CONTRACTORS EXPENSE.

EXISTING CONDITIONS LEGEND:

- EXISTING TREE. CROSS REFERENCE WITH ARBORICULTURAL DEVELOPMENT ASSESSMENT REPORT FROM MOORE TREES ARBORICULTURAL SERVICES.
- PROTECT AND RETAIN ALL NOMINATED VEGETATION (TREES AND SHRUBS) FOR THE DURATION OF WORKS ON SITE. CONTRACTOR TO SUBMIT A WORKS METHOD STATEMENT FOR THE PROTECTION OF TREES AND ROOT ZONES MARKED ON SITE PLAN AS 'SIGNIFICANT'.
- EXISTING SPOT LEVEL — PROPOSED SPOT LEVEL
- EXISTING CONTOUR - MAJOR (2.00) — PROPOSED CONTOUR - MAJOR (3.00)
- EXISTING CONTOUR - MINOR — PROPOSED CONTOUR - MINOR (3.20)
- UNDERGROUND TELECOM — WATER MAIN
- POWER LINE — OVERHEAD POWER LINE
- STORMWATER LINE — SEWER MAIN
- GAS LINE
- FENCE LINE
- LOT BOUNDARY
- TPIT TELECOM PIT
- TPIL TELECOM PILLAR
- EPIT ELECTRICAL PIT
- EP POWER POLE
- EL LIGHT POLE
- SW STORMWATER MANHOLE
- 35000 SET OUT OF GRID POINT 182 FROM KNOWN B.M OR CORNER OF NOMINATED PERMANENT INFRASTRUCTURE.

CLIENT NAME:

INNER WEST COUNCIL
7-15 Wetherill Street, Leichhardt
NSW 2040

PROJECT NAME:

LEICHHARDT PARK SKATE PARK
70 Mary Street,
Lilyfield NSW 2040

DRAWING TITLE:

EXISTING CONDITIONS PLAN

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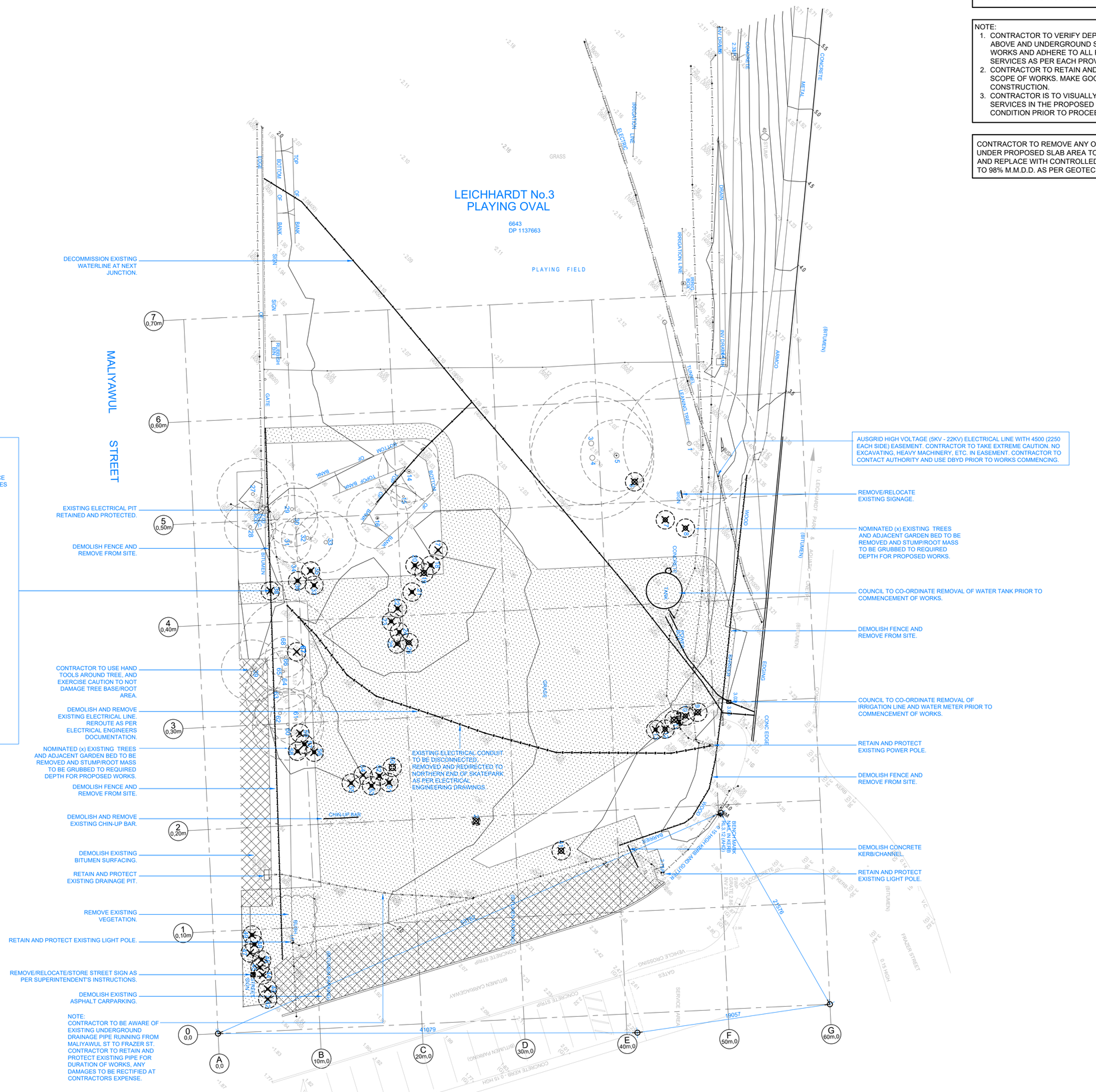

TREE REMOVAL SCHEDULE:

NOTE: CONTRACTOR TO CROSS REFERENCE WITH ARBORICULTURAL REPORT. SEE NOTES AND INCLUDED TENDER INFORMATION.

TREE NO.:

2	38
6	41
7	42
8	43
9	44
10	45
11	46
12	47
13	48
17	49
18	50
19	51
20	52
21	53
22	54
23	55
24	56
25	57
35	58
36	59
37	67

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NOTES / LEGEND:

DEMOLITION NOTES:

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02. LICENSED SURVEYOR TO BE USED TO LOCATE HEIGHT DATUM & SET OUT POINT AS SHOWN ON DRAWINGS PRIOR TO COMMENCEMENT OF WORKS. CONTRACTOR TO INFORM SUPERINTENDENT OF ANY DISCREPANCIES PRIOR TO COMMENCING WORKS.

03. 150MM (MINIMUM) SITE SCRAPE TO AREA OF SKATEPARK. EXCAVATED TOP SOIL TO BE CLEARED OF VEGETATIVE MATTER AND STOCKPILED ON SITE FOR PLACEMENT ON EMBANKMENTS PRIOR TO LANDSCAPE TREATMENT.

04. RETAIN & PROTECT EXISTING TREES WHERE NOMINATED AS PER SPECIFICATIONS.

DEMOLITION LEGEND:

- HATCH INDICATES OUTLINE OF PROPOSED SKATEPARK. EXCAVATE TO REQUIRED DEPTH FOR PROPOSED WORKS. SEE ALSO NOTE 02.
- EXISTING ASPHALT PATH/PAVEMENT TO BE DEMOLISHED AND REMOVED
- REMOVE/RELOCATE/STORE STREET SIGN AS PER SUPERINTENDENT'S INSTRUCTIONS
- TREE TO BE REMOVED, STUMP TO BE GROUND SMOOTH AND ALL WASTE TO BE REMOVED FROM SITE AND AREA MADE GOOD.
- PROTECT AND RETAIN ALL NOMINATED VEGETATION (TREES AND SHRUBS) FOR THE DURATION OF WORKS ON SITE. CONTRACTOR TO SUBMIT A WORKS METHOD STATEMENT FOR THE PROTECTION OF TREES AND ROOT ZONES MARKED ON SITE PLAN AS 'SIGNIFICANT'.

+ 2.15	EXISTING SPOT LEVEL	3.000	PROPOSED SPOT LEVEL
2.00	EXISTING CONTOUR - MAJOR	3.00	PROPOSED CONTOUR - MAJOR
	EXISTING CONTOUR - MINOR	3.20	PROPOSED CONTOUR - MINOR
T	UNDERGROUND TELECOM	W	WATER MAIN
	POWER LINE		OVERHEAD POWER LINE
S	STORMWATER LINE	Sewer	SEWER MAIN
G	GAS LINE	TPIT	TELECOM PIT
	FENCE LINE	TPIL	TELECOM PILLAR
	LOT BOUNDARY	EPIT	ELECTRICAL PIT
		EP	POWER POLE
		EL	LIGHT POLE
		SW	STORMWATER MANHOLE

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CLIENT NAME:

INNER WEST COUNCIL
7-15 Wetherill Street, Leichhardt
NSW 2040

PROJECT NAME:

LEICHHARDT PARK SKATE PARK
70 Mary Street,
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DRAWING TITLE:

Demolition Plan

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DESIGN REVIEW:	ND	**APPROVAL:**	JM

DRAWING NUMBER: 1821_CD 003

REVISION: 05

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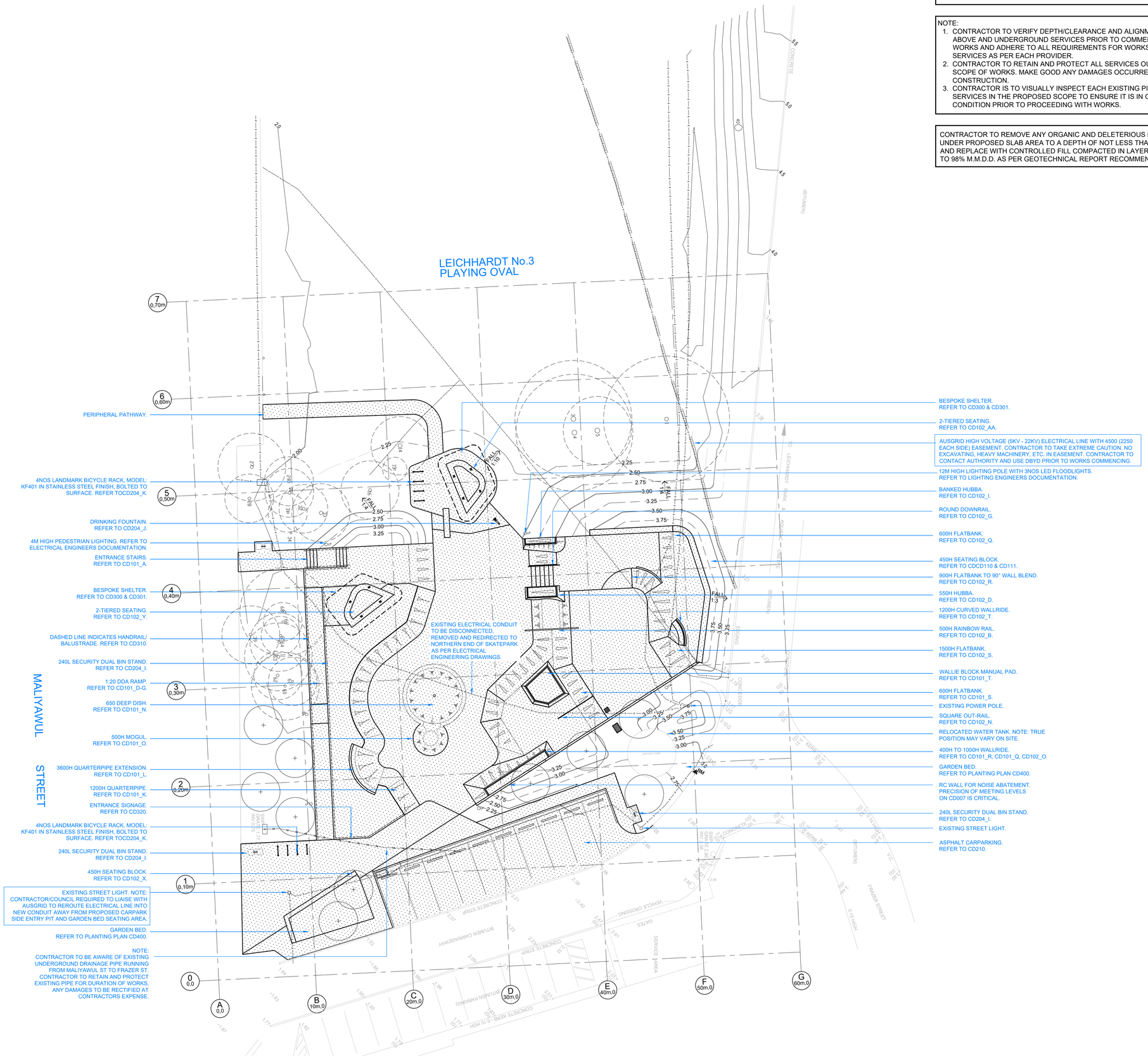

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03. 150MM (MINIMUM) SITE SCRAPE TO AREA OF SKATEPARK. EXCAVATED TOP SOIL TO BE CLEARED OF VEGETATIVE MATTER AND STOCKPILED ON SITE FOR PLACEMENT ON EMBANKMENTS PRIOR TO LANDSCAPE TREATMENT.

SITE LEGEND:

- PROPOSED SKATEPARK - FLAT BANK.
- PROPOSED SKATEPARK - TRANSITION (QUARTER PIPE).
- PROPOSED SKATEPARK - ROLL OVER.
- PROPOSED LIGHT POLES, SHOWN INDICATIVE ONLY. REFER TO ELECTRICAL ENGINEERING DRAWINGS.
- PROPOSED TREES. REFER TO PLANTING PLAN CD400.
- PROTECT AND RETAIN ALL NOMINATED VEGETATION (TREES AND SHRUBS) FOR THE DURATION OF WORKS ON SITE. CONTRACTOR TO SUBMIT A WORKS METHOD STATEMENT FOR THE PROTECTION OF TREES AND ROOT ZONES MARKED ON SITE PLAN AS 'SIGNIFICANT'.
- 2.15 EXISTING SPOT LEVEL
- 3.000 PROPOSED SPOT LEVEL
- 2.00 EXISTING CONTOUR - MAJOR
- 3.00 PROPOSED CONTOUR - MAJOR
- EXISTING CONTOUR - MINOR
- 3.20 PROPOSED CONTOUR - MINOR
- T UNDERGROUND TELECOM
- V WATER MAIN
- POWER LINE
- OVERHEAD POWER LINE
- S STORMWATER LINE
- Sewer SEWER MAIN
- G GAS LINE
- TPIT TELECOM PIT
- TPIL TELECOM PILLAR
- EPIT ELECTRICAL PIT
- EP POWER POLE
- EL LIGHT POLE
- SW STORMWATER MANHOLE
- FENCE LINE
- LOT BOUNDARY
- 35000 SET OUT OF GRID POINT 182 FROM KNOWN B.M OR CORNER OF NOMINATED PERMANENT INFRASTRUCTURE.

CLIENT NAME:

INNER WEST COUNCIL
7-15 Wetherill Street, Leichhardt
NSW 2040

PROJECT NAME:

LEICHHARDT PARK SKATE PARK
70 Mary Street,
Lilyfield NSW 2040

DRAWING TITLE:

SITE PLAN

SCALE:	1:200	**DATE OF ISSUE:**	18.01.2022
FORMAT / SIZE:	A1	**REFERENCE NO:**	1821
DESIGN REVIEW:	ND	**APPROVAL:**	JM

DRAWING NUMBER: 1821_CD 004

REVISION: 05

NOTE: ALL PROPOSED ELECTRICAL WORKS UNDER 1-100 YEAR FLOOD BENCHMARKS TO BE APPROPRIATELY WATERPROOFED. ALL WORKS THAT ARE **EITHER:**

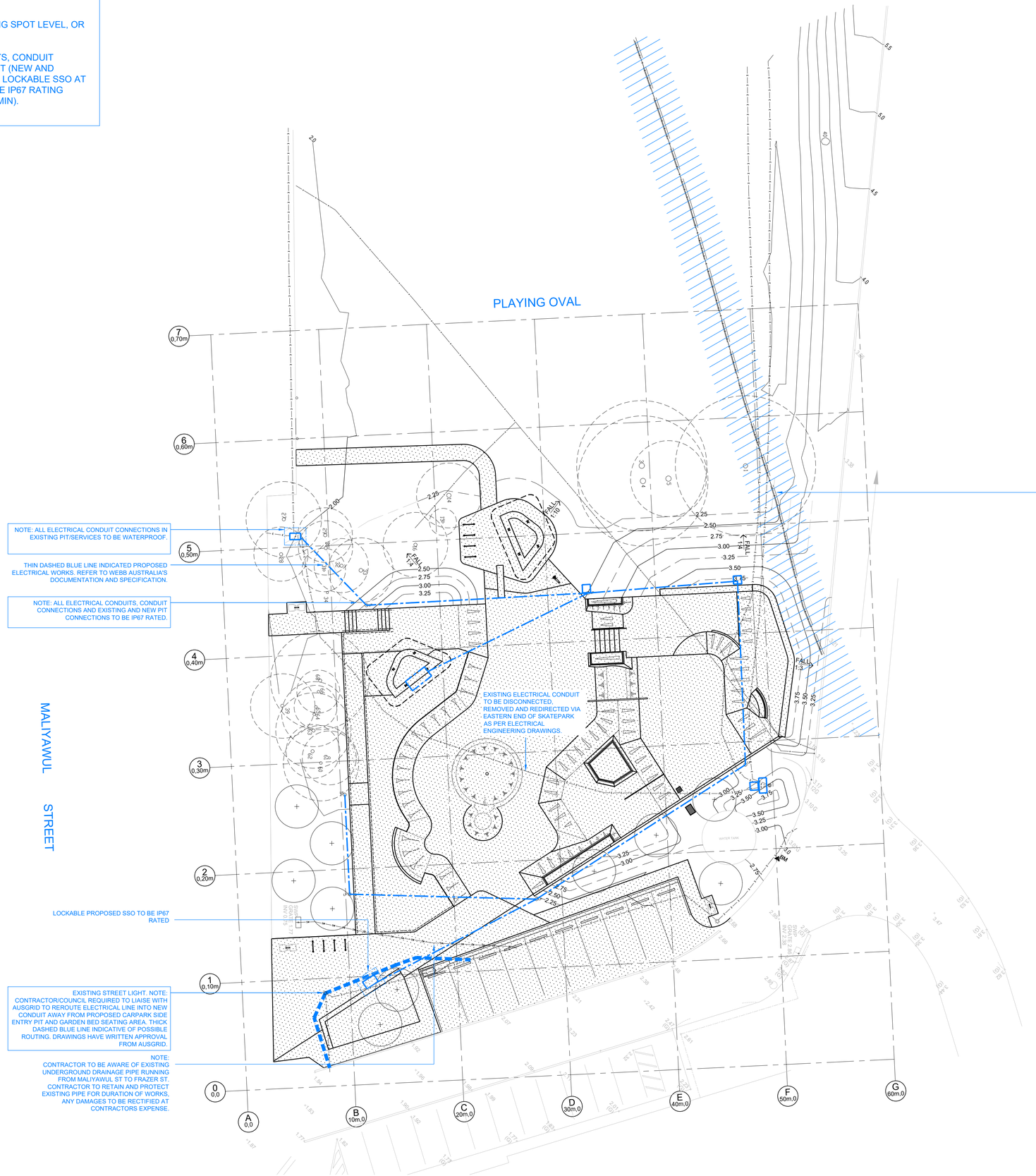
A) 450MM ABOVE EXISTING SPOT LEVEL, OR
B) BELOW AHD 2.240 M

ARE ALL ELECTRICAL CONDUITS, CONDUIT CONNECTIONS, ELECTRICAL PIT (NEW AND EXISTING) CONNECTIONS, AND LOCKABLE SSO AT SW CORNER, AND ARE TO HAVE IP67 RATING (SUBMERGIBLE TO 1M FOR 30 MIN).

CONTRACTOR TO CROSS REFERENCE ALL PLANS TO ENSURE ALL INFORMATION MATCHES. DESIGNER (ENLOCUS PTY LTD) TO BE CONTACTED WITH ANY DISCREPANCIES OR REQUIRED CLARITY FOR APPROVAL IN WRITING PRIOR TO WORKS COMMENCING/CONTINUING.

NOTE:
1. CONTRACTOR TO VERIFY DEPTH/CLEARANCE AND ALIGNMENT OF ALL ABOVE AND UNDERGROUND SERVICES PRIOR TO COMMENCEMENT OF WORKS AND ADHERE TO ALL REQUIREMENTS FOR WORKS NEAR SERVICES AS PER EACH PROVIDER.
2. CONTRACTOR TO RETAIN AND PROTECT ALL SERVICES OUTSIDE OF SCOPE OF WORKS. MAKE GOOD ANY DAMAGES OCCURRED DURING CONSTRUCTION.
3. CONTRACTOR IS TO VISUALLY INSPECT EACH EXISTING PIT AND SERVICES IN THE PROPOSED SCOPE TO ENSURE IT IS IN GOOD CONDITION PRIOR TO PROCEEDING WITH WORKS.

CONTRACTOR TO REMOVE ANY ORGANIC AND DELETERIOUS MATTER UNDER PROPOSED SLAB AREA TO A DEPTH OF NOT LESS THAN 600MM AND REPLACE WITH CONTROLLED FILL COMPACTED IN LAYERS 0F 200MM TO 98% M.M.D.D. AS PER GEOTECHNICAL REPORT RECOMMENDATION.



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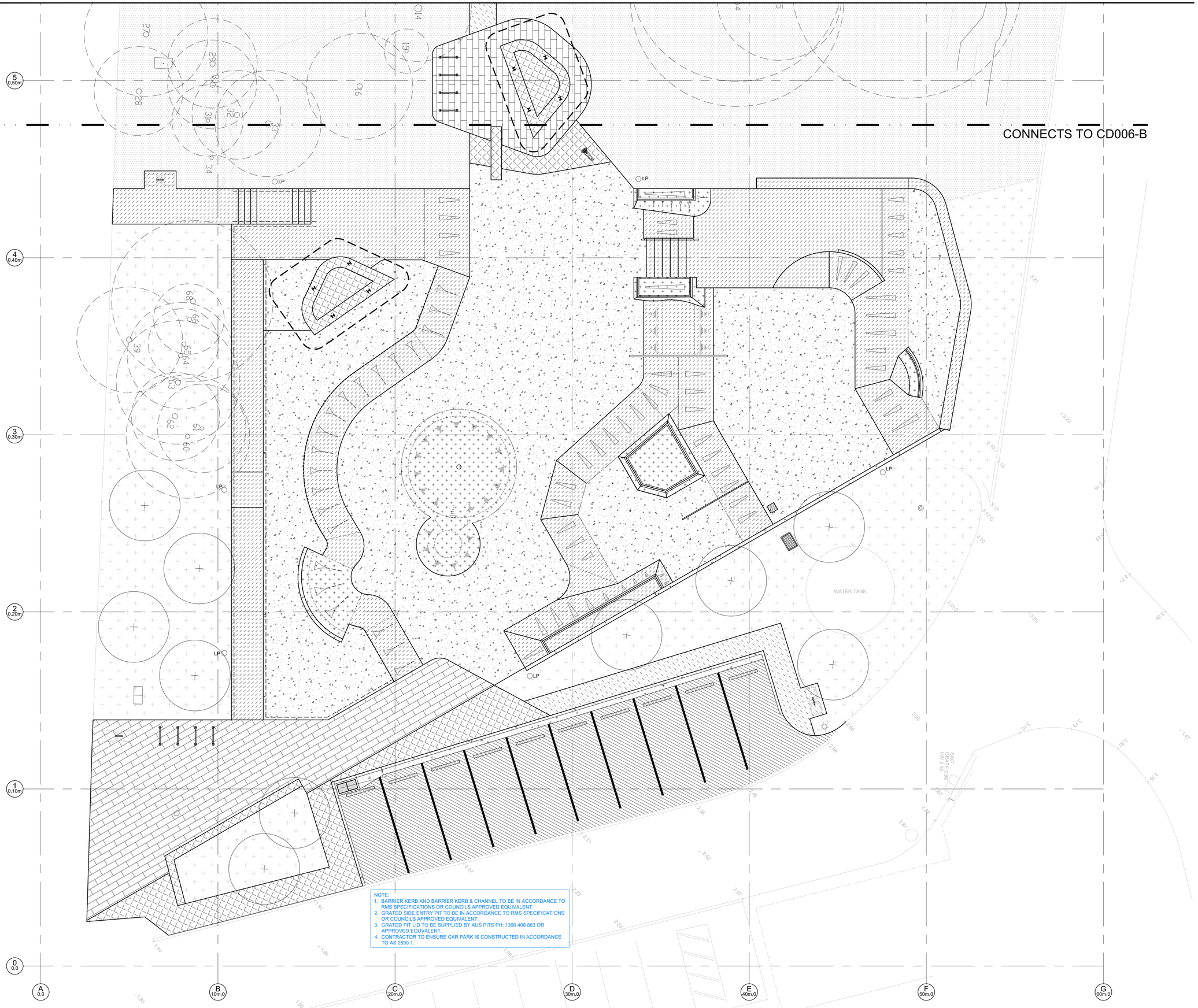

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- CLAY PAVER FROM AUSTRAL BRICKS, MODEL: "HAMLET" 230L x 76W x 65H MM, IN COLOUR 'BOWRAL BLUE' OR APPROVED EQUIVALENT. CONTRACTOR TO CREATE 2MX2M TEST PANEL FOR APPROVAL BY SUPERINTENDENT PRIOR TO PROCEEDING WITH WORKS. REFER CD204_F.
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- ASPHALT PAVEMENT. REFER CD210.
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- MULCHED GARDEN BEDS. REFER TO PLANTING PLAN CD400.
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7-15 Wetherill Street, Leichhardt
NSW 2040

PROJECT NAME:

LEICHHARDT PARK SKATE PARK
70 Mary Street,
Lilyfield NSW 2040

DRAWING TITLE:

Surface Finishes Plan

SCALE:	1:100	**DATE OF ISSUE:**	18.01.2022
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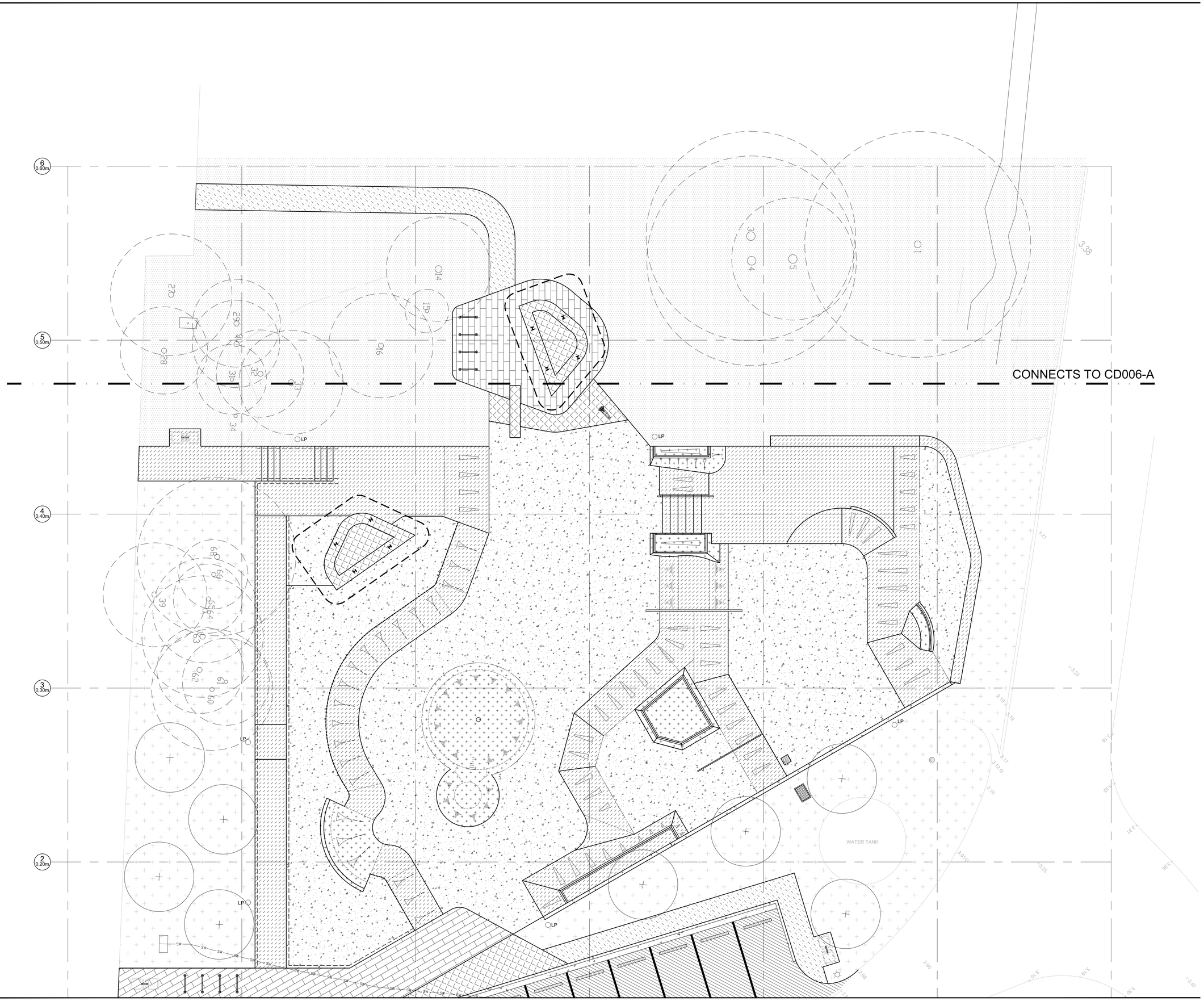
DRAWING NUMBER: 1821_CD 006-A **REVISION:** 05



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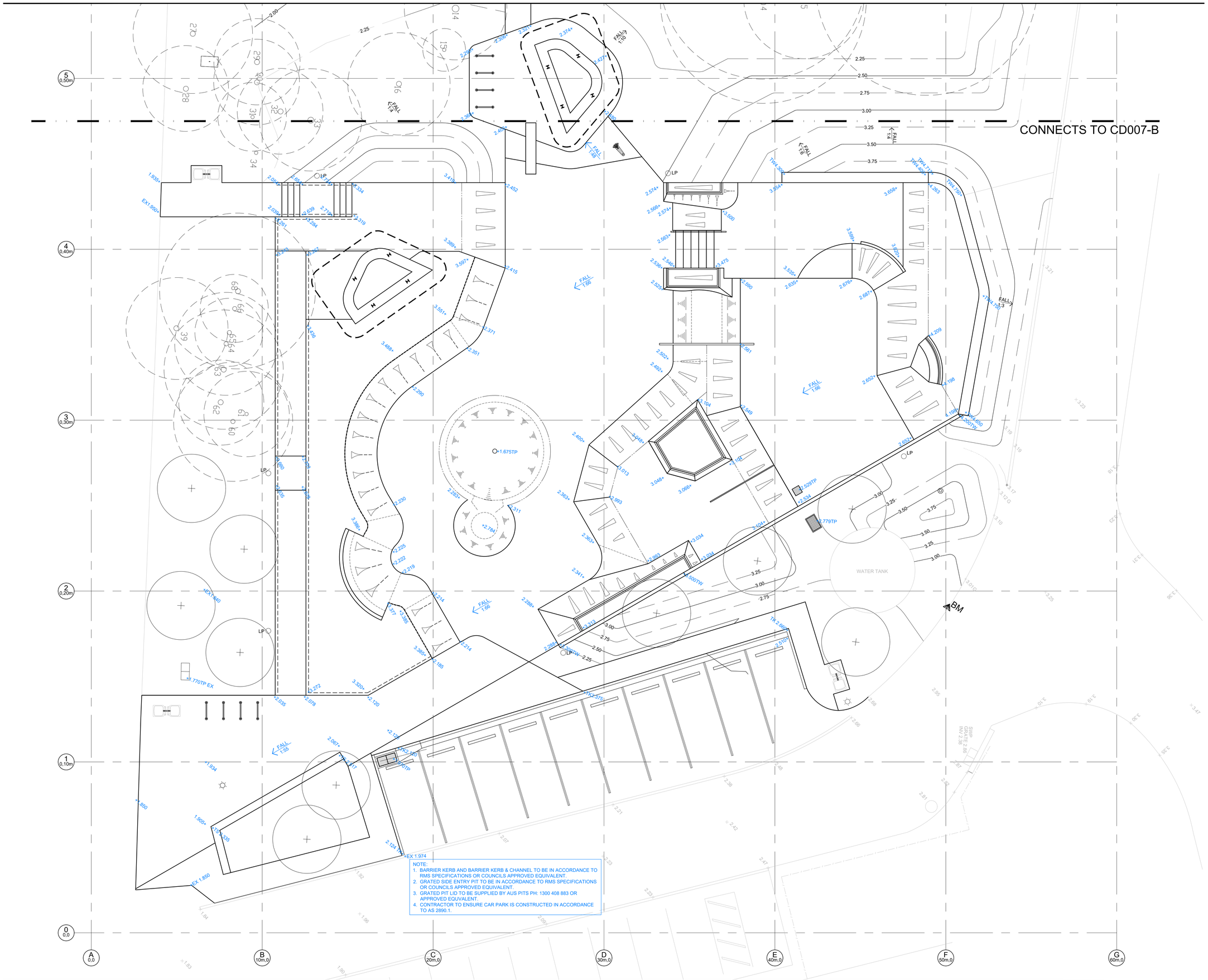

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Melbourne VIC 3000
Tel : +613 9652 0333
www.webbaustralia.com.au

NOTES / LEGEND:

LEVEL NOTES:

01. ALL LEVELS TO BE READ IN CONJUNCTION WITH SITE & GRADING PLANS AND SECTIONS. DESIGNER (ENLOCUS PTY LTD) TO BE CONTACTED WITH ANY DISCREPANCIES OR REQUIRED CLARITY FOR APPROVAL IN WRITING PRIOR TO WORKS COMMENCING/CONTINUING.

LEVELS LEGEND:

- 75X125 X 4MM M/S RHS 'DURAGAL' COPING.
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- 50MM ROLL-OVER RADIUS TO TOP OF TRANSITION OR BANK.
- 200MM ROLL-OVER RADIUS TO TOP OF BANK.
- RC TRANSITION (QUARTER PIPE). REFER TO SECTIONS CD100.
- RC FLAT BANK. REFER TO SECTIONS CD100.
- 74.000 PROPOSED LEVELS SHOWN IN METRES: BOTTOM / TOP OF WALL (BW / TW) BOTTOM / TOP OF LEDGE (BL / TL) BOTTOM / TOP OF STEP (BS / TS) C ENTRE POINT OF LEVEL OF RAIL UPRIGHT (CP).
- SKATE DRAINAGE PIT. REFER TO CD008
- DRAINAGE PIT. REFER TO CD008
- TP 5.45 TOP OF PIT (TP) REFER TO CD008
- INDICATES SPOT LOCATION FOR ISOLATED HIGH POINT AND DIRECTION (ARROW) OF FALL.

CLIENT NAME:

INNER WEST COUNCIL
7-15 Wetherill Street, Leichhardt
NSW 2040

PROJECT NAME:

LEICHHARDT PARK SKATE PARK
70 Mary Street,
Lilyfield NSW 2040

DRAWING TITLE:

Levels Plan

SCALE:	1:100	**DATE OF ISSUE:**	18.01.2022
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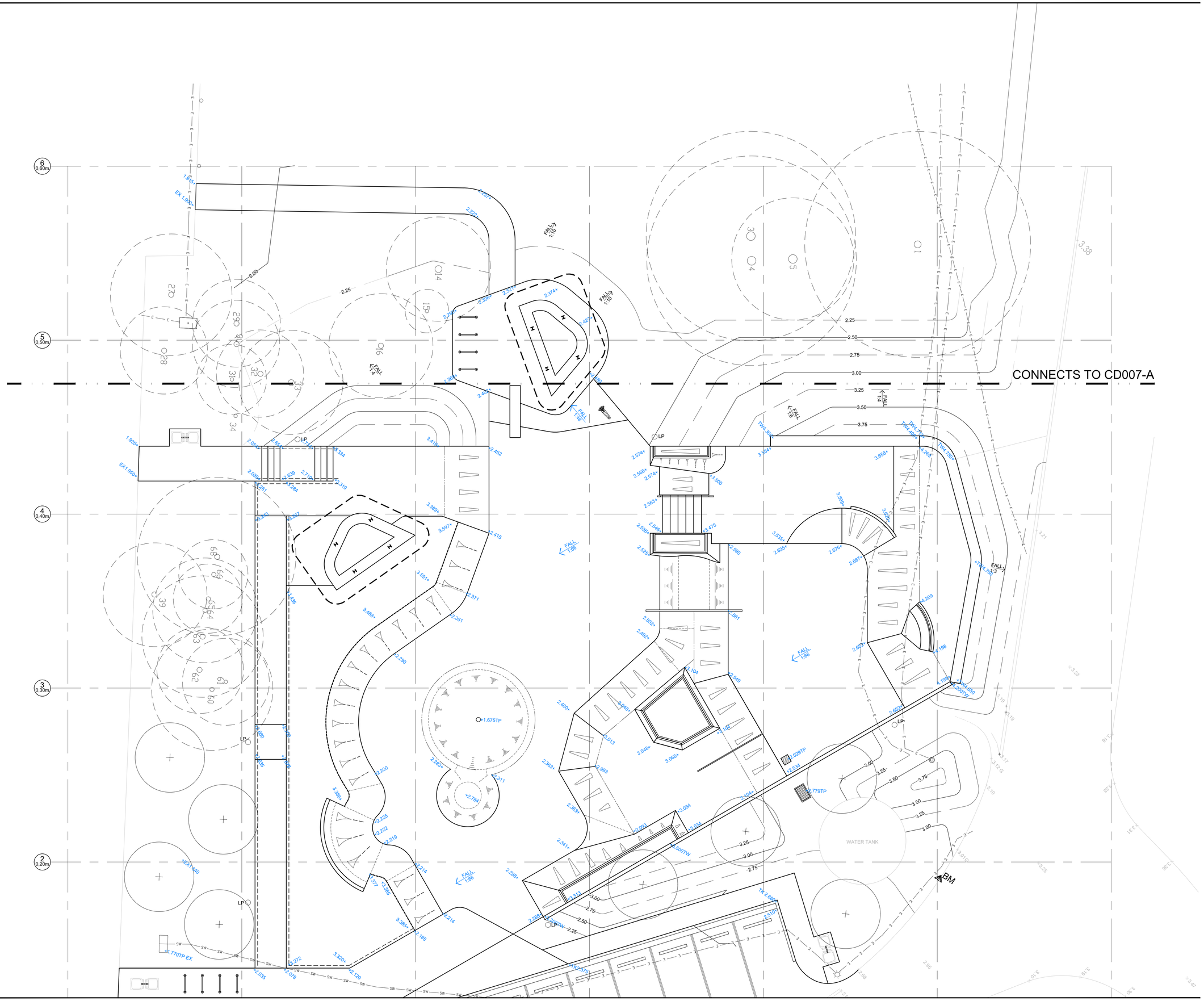
DESIGN REVIEW:	ND	**APPROVAL:**	JM

DRAWING NUMBER: 1821_CD 007-A **REVISION:** 05



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FOR COMMENT

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REVISION STATUS:

05	For Comment	18.01.22
04	For Construction	27.08.21
03	For Construction	04.08.21
02B	For Review	25.06.21
02A	For Review	24.06.21

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PROJECT NAME:

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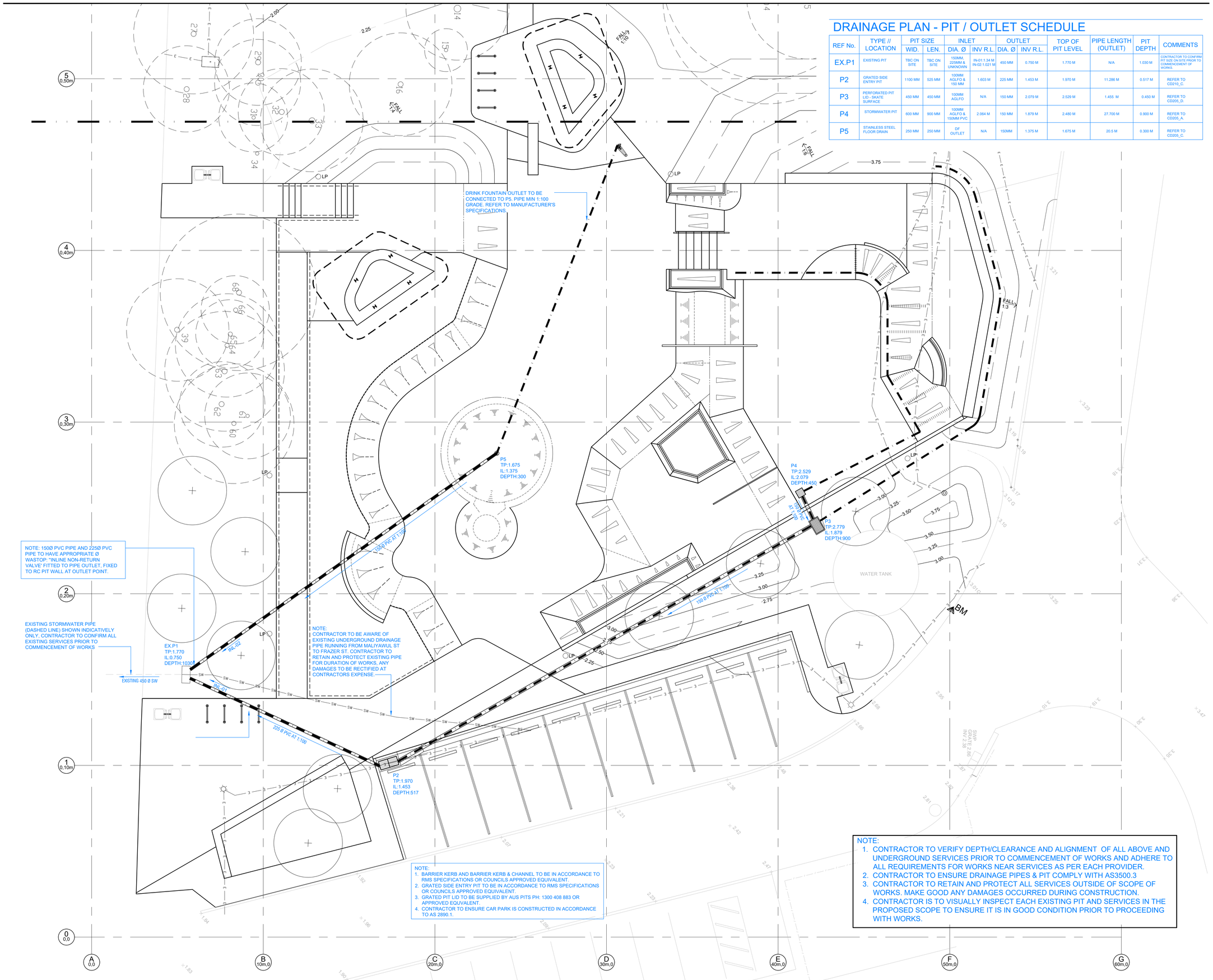
70 Mary Street,
Lilyfield NSW 2040

DRAWING TITLE:

Levels Plan

SCALE:	1:100	**DATE OF ISSUE:**	18.01.2022
FORMAT / SIZE:	A1	**REFERENCE NO:**	1821
DESIGN REVIEW:	ND	**APPROVAL:**	JM

DRAWING NUMBER: 1821_CD 007-B **REVISION:** 05



DRAINAGE PLAN - PIT / OUTLET SCHEDULE

REF No.	TYPE // LOCATION	PIT SIZE		INLET		OUTLET		TOP OF PIT LEVEL	PIPE LENGTH (OUTLET)	PIT DEPTH	COMMENTS
		WID.	LEN.	DIA. Ø	INV R.L.	DIA. Ø	INV R.L.				
EX.P1	EXISTING PIT	TBC ON SITE	TBC ON SITE	150MM, 225MM & UNKNOWN	IN-01:1.34 M IN-02:1.021 M	450 MM	0.750 M	1.770 M	N/A	1.030 M	CONTRACTOR TO CONFIRM PIT SIZE ON SITE PRIOR TO COMMENCEMENT OF WORKS.
P2	GRATED SIDE ENTRY PIT	1100 MM	525 MM	100MM AGLFO & 150 MM	1.603 M	225 MM	1.453 M	1.970 M	11.286 M	0.517 M	REFER TO CD210_C
P3	PERFORATED PIT LID - SKATE SURFACE	450 MM	450 MM	100MM AGLFO	N/A	150 MM	2.079 M	2.529 M	1.455 M	0.450 M	REFER TO CD205_D
P4	STORMWATER PIT	600 MM	900 MM	100MM AGLFO & 150MM PVC	2.064 M	150 MM	1.879 M	2.480 M	27.700 M	0.900 M	REFER TO CD205_A
P5	STAINLESS STEEL FLOOR DRAIN	250 MM	250 MM	DF OUTLET	N/A	150MM	1.375 M	1.675 M	20.5 M	0.300 M	REFER TO CD205_C

NOTE:
1. BARRIER KERB AND BARRIER KERB & CHANNEL TO BE IN ACCORDANCE TO RMS SPECIFICATIONS OR COUNCILS APPROVED EQUIVALENT.
2. GRATED SIDE ENTRY PIT TO BE IN ACCORDANCE TO RMS SPECIFICATIONS OR COUNCILS APPROVED EQUIVALENT.
3. GRATED PIT LID TO BE SUPPLIED BY AUS PITS PH: 1300 408 883 OR APPROVED EQUVALENT.
4. CONTRACTOR TO ENSURE CAR PARK IS CONSTRUCTED IN ACCORDANCE TO AS 2890.1.

NOTE:
1. CONTRACTOR TO VERIFY DEPTH/CLEARANCE AND ALIGNMENT OF ALL ABOVE AND UNDERGROUND SERVICES PRIOR TO COMMENCEMENT OF WORKS AND ADHERE TO ALL REQUIREMENTS FOR WORKS NEAR SERVICES AS PER EACH PROVIDER.
2. CONTRACTOR TO ENSURE DRAINAGE PIPES & PIT COMPLY WITH AS3500.3
3. CONTRACTOR TO RETAIN AND PROTECT ALL SERVICES OUTSIDE OF SCOPE OF WORKS. MAKE GOOD ANY DAMAGES OCCURRED DURING CONSTRUCTION.
4. CONTRACTOR IS TO VISUALLY INSPECT EACH EXISTING PIT AND SERVICES IN THE PROPOSED SCOPE TO ENSURE IT IS IN GOOD CONDITION PRIOR TO PROCEEDING WITH WORKS.

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NOTES / LEGEND:

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02. LICENSED SURVEYOR TO BE USED TO LOCATE HEIGHT DATUM & SET OUT POINT AS SHOWN ON DRAWINGS PRIOR TO COMMENCEMENT OF WORKS. CONTRACTOR TO INFORM SUPERINTENDENT OF ANY DISCREPANCIES PRIOR TO COMMENCING WORKS.

DRAINAGE LEGEND:

150 / 225 Ø PVC — INDICATES 150mm or 225mm Ø STORMWATER PIPE - ENSURE EVEN FALL FROM DRAINS / PITS TO OUTLET PIT. TO STEP INSIDE PERIMETER TO AVOID EDGE BEAM. REFER TO ENGINEERING DETAILS AND SPECIFICATION.

100mmØ PVC AGFLO HEAVY (AH) SLOTTED FLEXIBLE STORMWATER PIPE BY POLYFABRICS. PIPE TO BE CONNECTED TO DRAINAGE OUTLET. CONTRACTOR TO SET LEVELS AND ENSURE DRAINAGE.

150mm FREDRAIN STRIP FILTER BY POLYFABRICS. STRIP FILTER TO EXTEND 3/4 UP TRANSITION FACE AND CONNECT TO 100Ø AH PVC PIPE. CONTRACTOR TO SET LEVELS AND ENSURE DRAINAGE.

STAINLESS STEEL FLOOR DRAIN. REFER TO CD205_C AND SCHEDULE.

DRAINAGE PIT. REFER TO CD205_A AND SCHEDULE.

P1 TP 74.45 IL 74.00 — PIT NUMBER (P1) TOP OF PIT (TP) AND INVERT LEVELS (IL).

PROTECT AND RETAIN ALL NOMINATED VEGETATION (TREES AND SHRUBS) FOR THE DURATION OF WORKS ON SITE. CONTRACTOR TO SUBMIT A WORKS METHOD STATEMENT FOR THE PROTECTION OF TREES AND ROOT ZONES MARKED ON SITE PLAN AS 'SIGNIFICANT'.

2.15	EXISTING SPOT LEVEL	3.000	PROPOSED SPOT LEVEL
2.00	EXISTING CONTOUR - MAJOR	3.00	PROPOSED CONTOUR - MAJOR
	EXISTING CONTOUR - MINOR	3.20	PROPOSED CONTOUR - MINOR
T	UNDERGROUND TELECOM	V	WATER MAIN
	POWER LINE		OVERHEAD POWER LINE
S	STORMWATER LINE	Sewer	SEWER MAIN
G	GAS LINE	TPIT	TELECOM PIT
	FENCE LINE	TPIL	TELECOM PILLAR
		EPIT	ELECTRICAL PIT
		EP	POWER POLE
	LOT BOUNDARY	EL	LIGHT POLE
		SW	STORMWATER MANHOLE

35000 — SET OUT OF GRID POINT 182 FROM KNOWN B.M OR CORNER OF NOMINATED PERMANENT INFRASTRUCTURE.

CLIENT NAME:

INNER WEST COUNCIL
7-15 Wetherill Street, Leichhardt
NSW 2040

PROJECT NAME:

LEICHHARDT PARK SKATE PARK
70 Mary Street,
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DRAWING TITLE:

Drainage Plan

SCALE:	1:100	**DATE OF ISSUE:**	18.01.2022
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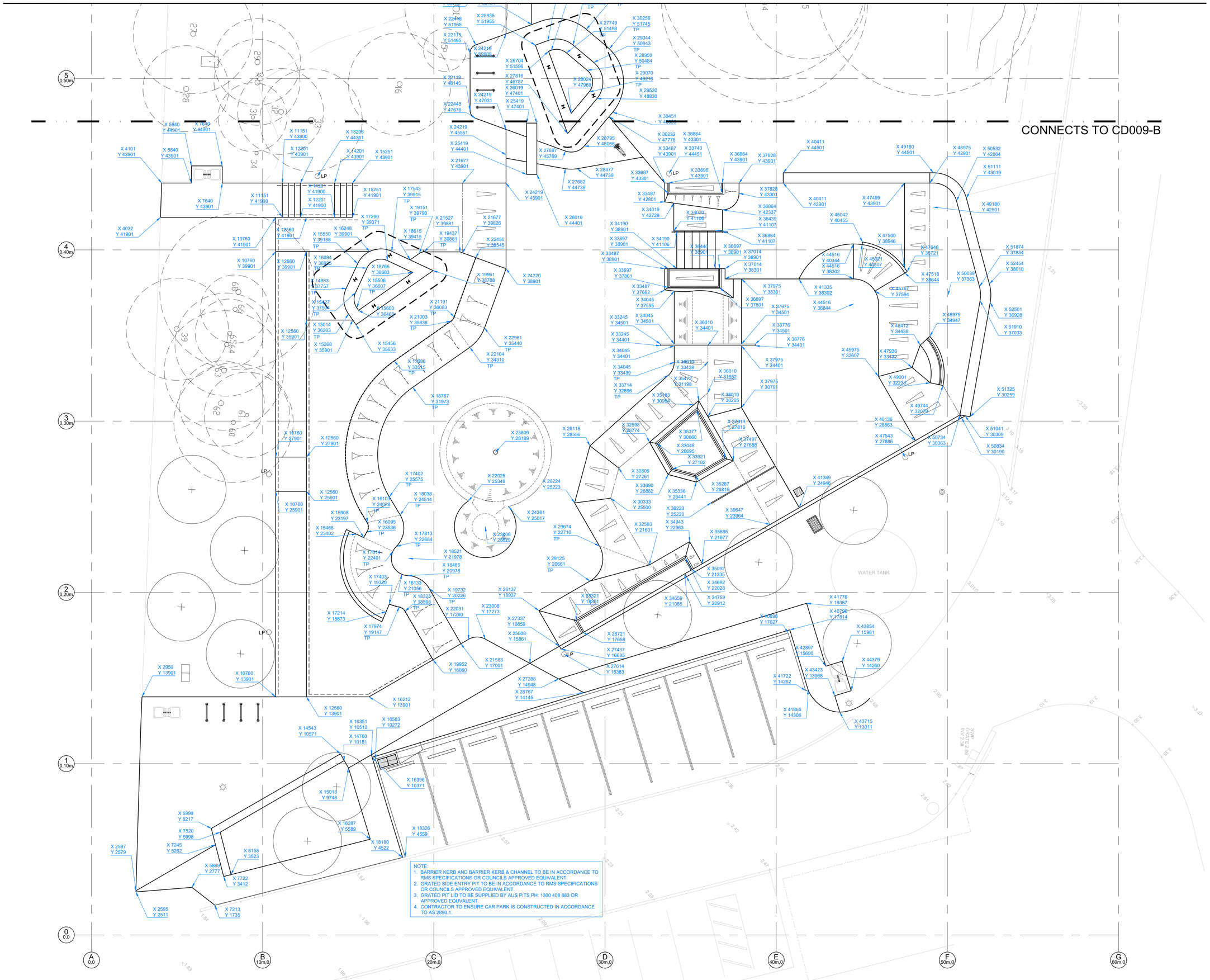
DESIGN REVIEW:	ND	**APPROVAL:**	JM

DRAWING NUMBER: 1821_CD 008

REVISION: 05



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- 1000 — GENERAL WORKS DIMENSIONS.
- X 2206 Y 1686 TP — GENERAL WORKS SET OUT. X & Y CO-ORDINATES. REFER DEMOLITION PLAN CD003 FOR SITE CONSTRUCTION GRID SET OUT. CP POST ANNOTATION REFERS TO CENTER POINT OF POST OR UPRIGHT.
- RADIUS TANGENT POINT.

CLIENT NAME:

INNER WEST COUNCIL
7-15 Wetherill Street, Leichhardt
NSW 2040

PROJECT NAME:

LEICHHARDT PARK SKATE PARK
70 Mary Street,
Lilyfield NSW 2040

DRAWING TITLE:

Setout Plan

SCALE:	1:100	**DATE OF ISSUE:**	18.01.2022
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DESIGN REVIEW:	ND	**APPROVAL:**	JM

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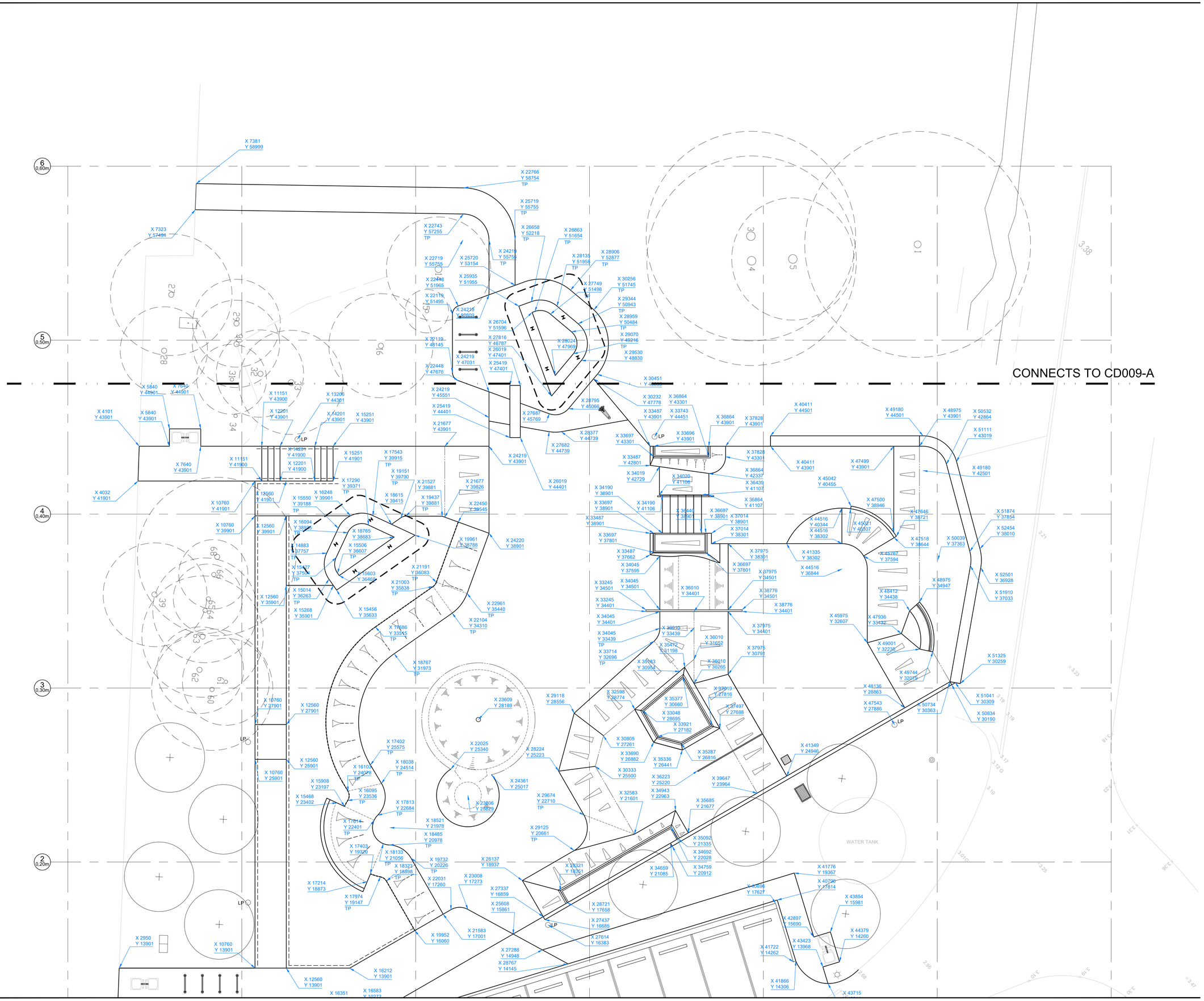

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PROJECT NAME:

LEICHHARDT PARK SKATE PARK
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DRAWING TITLE:

Setout Plan

SCALE:	1:100	**DATE OF ISSUE:**	18.01.2022
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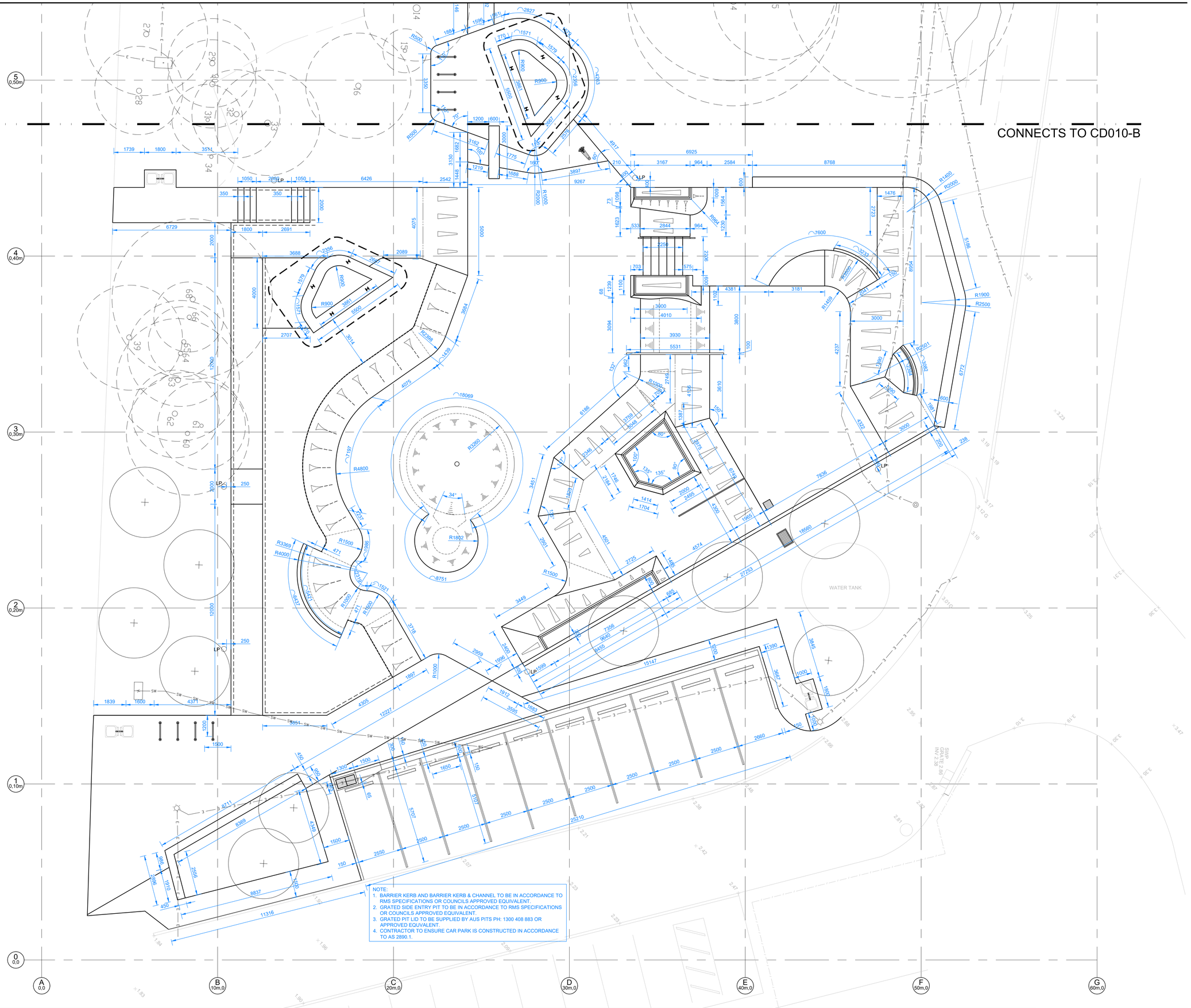

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01. CONTRACTOR TO VERIFY ALL DIMENSIONS AND SITE DIMENSIONS. ANY DISCREPANCIES TO BE REPORTED TO SUPERINTENDENT PRIOR TO PROCEEDING WITH WORKS.

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03. GENERAL ARRANGEMENT OF SITE TO BE PEGGED OUT AND APPROVAL BY SUPERINTENDENT RECEIVED PRIOR TO PROCEEDING WITH WORKS.

SETOUT AND DIMENSION LEGEND:

- 75X125 X 4MM M/S RHS 'DURAGAL' COPING.
- 50MM N.B. GALVANISED CHS COPING. ALL DIMENSIONS TO FRONT FACE OF COPING.
- 50MM ROLL-OVER RADIUS TO TOP OF TRANSITION OR BANK.
- 200MM ROLL-OVER RADIUS TO TOP OF BANK.
- RC TRANSITION (QUARTER PIPE). REFER TO SECTIONS CD100.
- RC FLAT BANK. REFER TO SECTIONS CD100.
- 1000 — GENERAL WORKS DIMENSIONS.
- X 2206 Y 1686 TP — GENERAL WORKS SET OUT. X & Y CO-ORDINATES. REFER DEMOLITION PLAN CD003 FOR SITE CONSTRUCTION GRID SET OUT. CP POST ANNOTATION REFERS TO CENTER POINT OF POST OR UPRIGHT.
- RADIUS TANGENT POINT.

CLIENT NAME:

INNER WEST COUNCIL
7-15 Wetherill Street, Leichhardt
NSW 2040

PROJECT NAME:

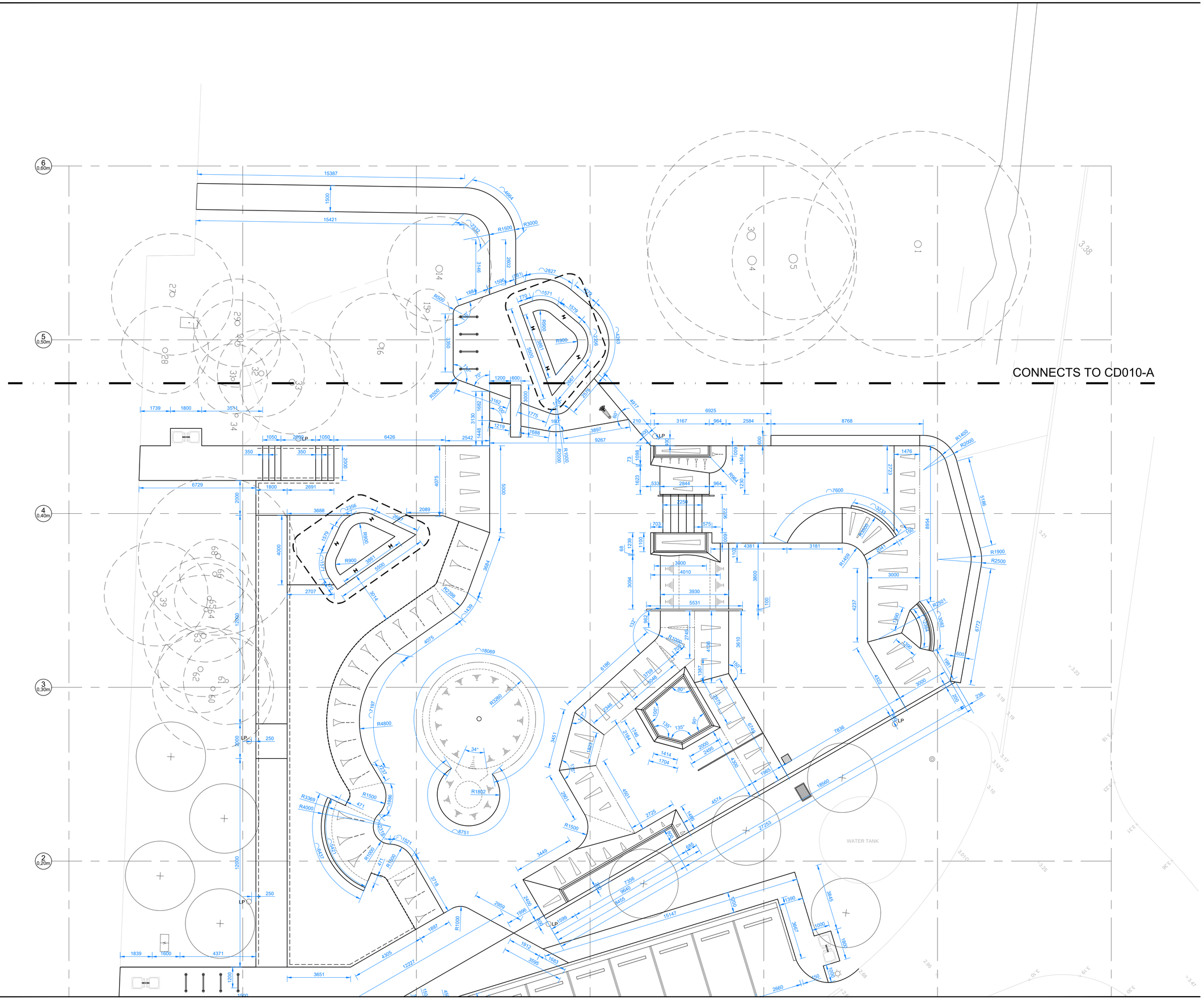
LEICHHARDT PARK SKATE PARK
70 Mary Street,
Lilyfield NSW 2040

DRAWING TITLE:

Dimension Plan

SCALE:	1:100	**DATE OF ISSUE:**	18.01.2022
FORMAT / SIZE:	A1	**REFERENCE NO:**	1821
DESIGN REVIEW:	ND	**APPROVAL:**	JM

DRAWING NUMBER: 1821_CD 010-A **REVISION:** 05



- WARNING -
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DRAWING STATUS:

FOR COMMENT

N

REVISION STATUS:

05	For Comment	18.01.22
04	For Construction	27.08.21
03	For Construction	04.08.21
02B	For Review	25.06.21
02A	For Review	24.06.21

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- RC FLAT BANK. REFER TO SECTIONS CD100.
- 1000 — GENERAL WORKS DIMENSIONS.
- X 2206 Y 1686 TP — GENERAL WORKS SET OUT. X & Y CO-ORDINATES. REFER DEMOLITION PLAN CD003 FOR SITE CONSTRUCTION GRID SET OUT. CP POST ANNOTATION REFERS TO CENTER POINT OF POST OR UPRIGHT.
- RADIUS TANGENT POINT.

CLIENT NAME:

INNER WEST COUNCIL
7-15 Wetherill Street, Leichhardt
NSW 2040

PROJECT NAME:

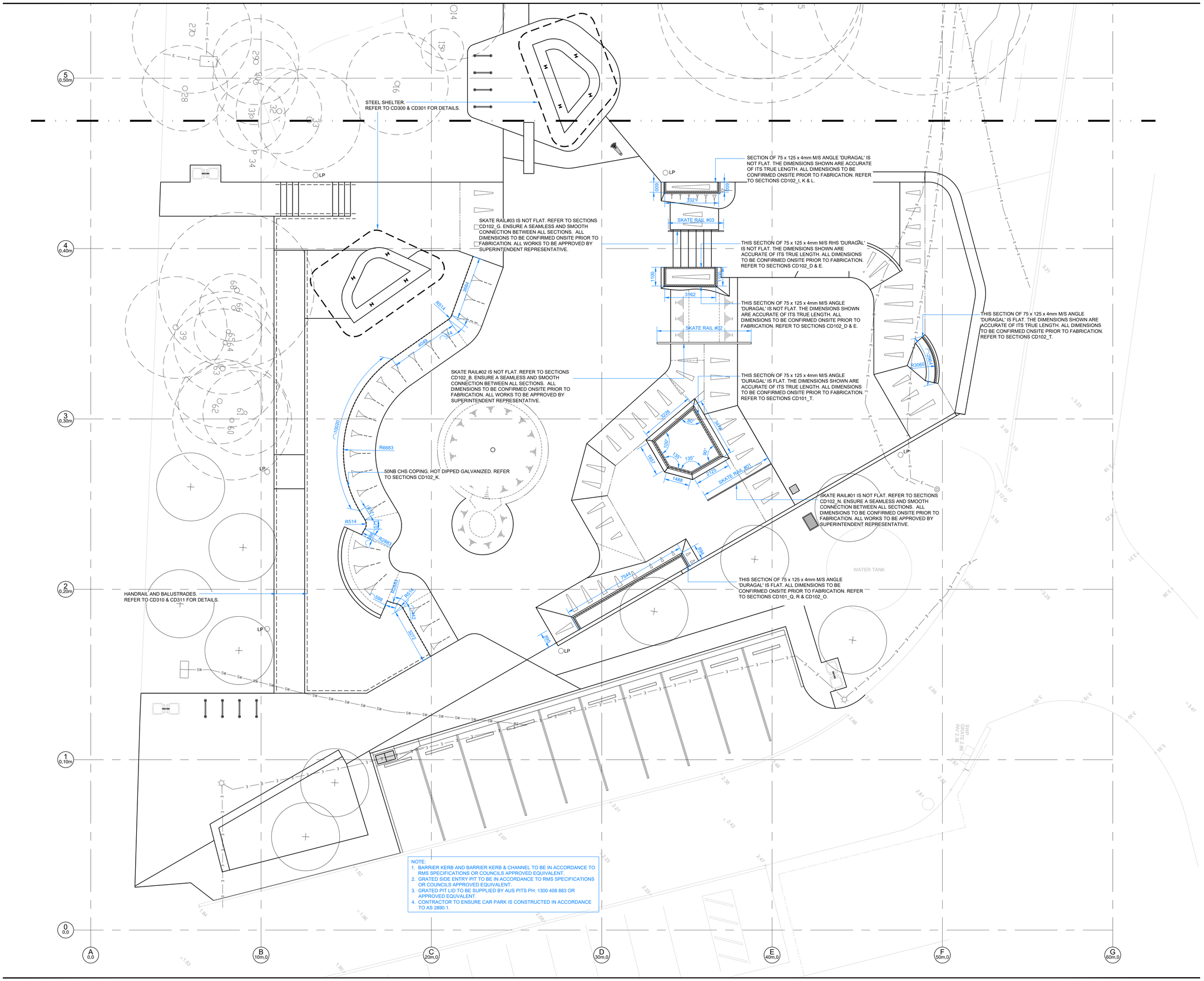
LEICHHARDT PARK SKATE PARK
70 Mary Street,
Lilyfield NSW 2040

DRAWING TITLE:

Dimension Plan

SCALE:	1:100	**DATE OF ISSUE:**	18.01.2022
FORMAT / SIZE:	A1	**REFERENCE NO:**	1821
DESIGN REVIEW:	ND	**APPROVAL:**	JM

DRAWING NUMBER: 1821_CD 010-B **REVISION:** 05



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DRAWING STATUS:

FOR COMMENT

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REVISION STATUS:

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NOTES / LEGEND:

STEEL NOTES:

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03. GENERAL ARRANGEMENT OF SITE TO BE PEGGED OUT AND APPROVAL BY SUPERINTENDENT RECEIVED PRIOR TO PROCEEDING WITH WORKS.

STEEL LEGEND:

- 75X125 X 4MM M/S RHS 'DURAGAL' COPING REFER TO SETOUT PLAN CD009.
- GALVANISED 50MM N.B. CHS COPING FRONT FACE. REFER SETOUT PLAN CD009.
- TP — FRONT FACE TANGENT POINT
- 1400 — FRONT FACE OF COPING LENGTH SHOWN IN MILLIMETRES
- 2199 — FRONT FACE OF COPING ARC LENGTH SHOWN IN MILLIMETRES
- R200 — FRONT FACE OF COPING RADIUS SHOWN IN MILLIMETRES
- SECURITY BIN STAND. REFER TO CD204_I
- DRINKING FOUNTAIN. REFER TO CD204_J.
- LP — PROPOSED LIGHT POLES, SHOWN INDICATIVE ONLY. REFER TO ELECTRICAL ENGINEERING DRAWINGS.

CLIENT NAME:

INNER WEST COUNCIL
7-15 Wetherill Street, Leichhardt
NSW 2040

PROJECT NAME:

LEICHHARDT PARK SKATE PARK
70 Mary Street,
Lilyfield NSW 2040

DRAWING TITLE:

Steel Plan

SCALE:	1:100	**DATE OF ISSUE:**	18.01.2022
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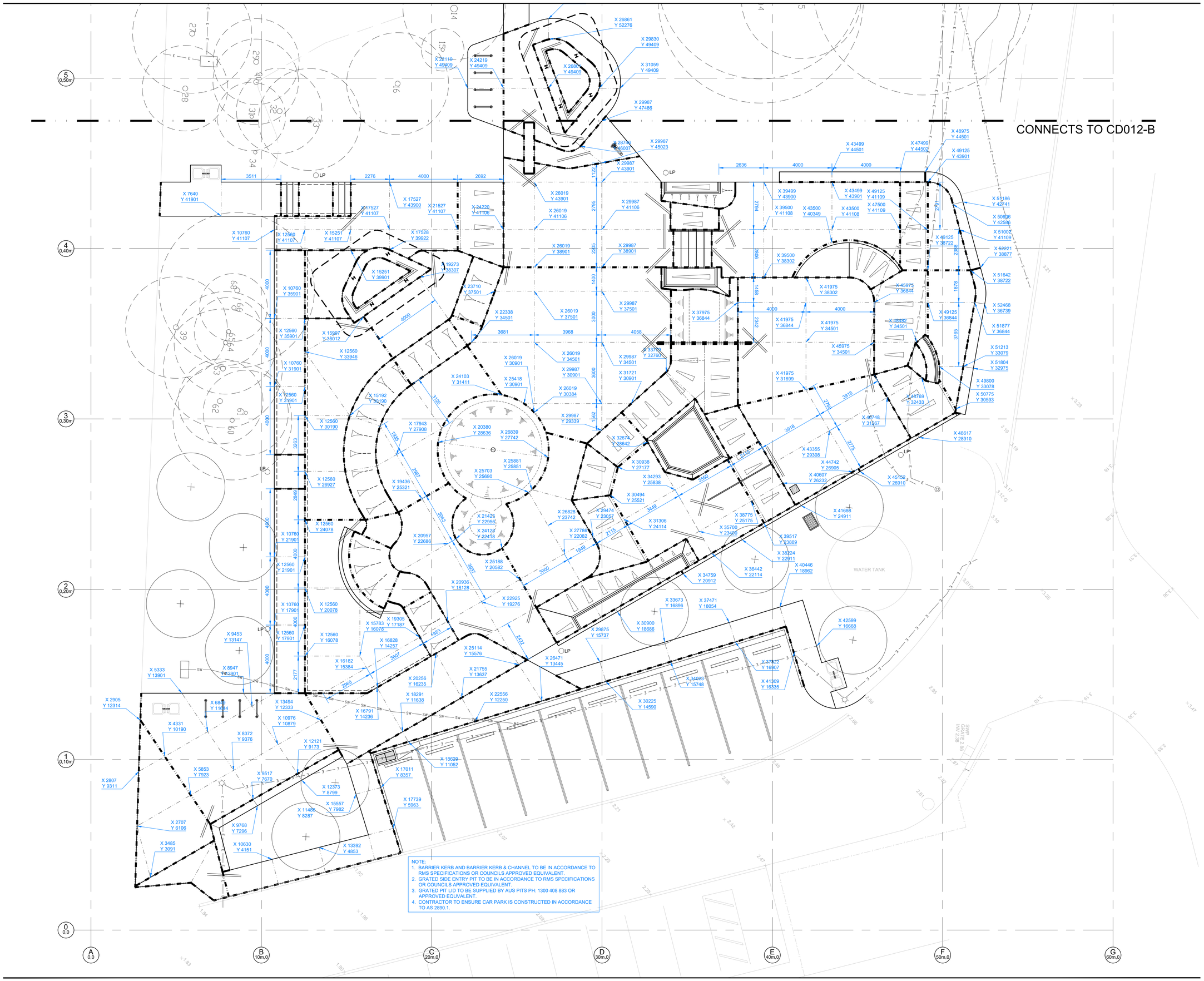
DRAWING NUMBER: 1821_CD 011

REVISION: 05



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DRAWING STATUS:

FOR COMMENT

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NOTES / LEGEND:

CONCRETE JOINTS NOTES:

01. REFER TO GEOTECHNICAL REPORT SUPPLIED BY CIVIL TEST PTY LTD - REPORT NO. 1190944-1, FOR ALL SUBGRADE PREPARATIONS.

02. SAW CUT TO 32MPa RC SLABS MIN 24 AND MAX 48 HRS AFTER POUR.

03. 4MM WIDE SAWCUT. 40MM DEPTH. MACHINE CUT ONLY FOLLOWING CHALKED LINE. CONTRACTOR TO ENSURE STRAIGHT CUTS AS SHOWN.

04. PRIOR TO CONCRETE POUR CUT EVERY SECOND 8MM WIRE IN LOCATION SHOWN FOR SAW CUT. SUPERINTENDENT TO INSPECT CUT WIRE PRIOR TO PROCEEDING WITH WORKS

CONCRETE JOINTS LEGEND:

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- RC FLAT BANK. REFER TO SECTIONS CD100.
- CONTROL JOINT 30MM DEPTH SAWCUT AS DIMENSIONED. MACHINE CUT ONLY (NOT HANDHELD CUT SAW). REFER CD200_P.
- CONSTRUCTION JOINT 300MM THICKENING WITH REINFORCING STEEL AS DETAILED. REFER TO SECTIONS CD100.
- RE-ENTRANT BARS 2/S12 BARS 2000MM LONG @45° TIED TO REINFORCEMENT MESH - IN LOCATIONS SHOWN
- 1000 — SET OUT DIMENSIONS FOR SAW CUTS.
- X 2086 Y 1625 — X & Y CO-ORDINATES FOR SAW CUT SETOUT.
- WCJ — RETAINING WALL CONTROL JOINTS. REFER TO CD203_D.

CLIENT NAME:

INNER WEST COUNCIL
7-15 Wetherill Street, Leichhardt
NSW 2040

PROJECT NAME:

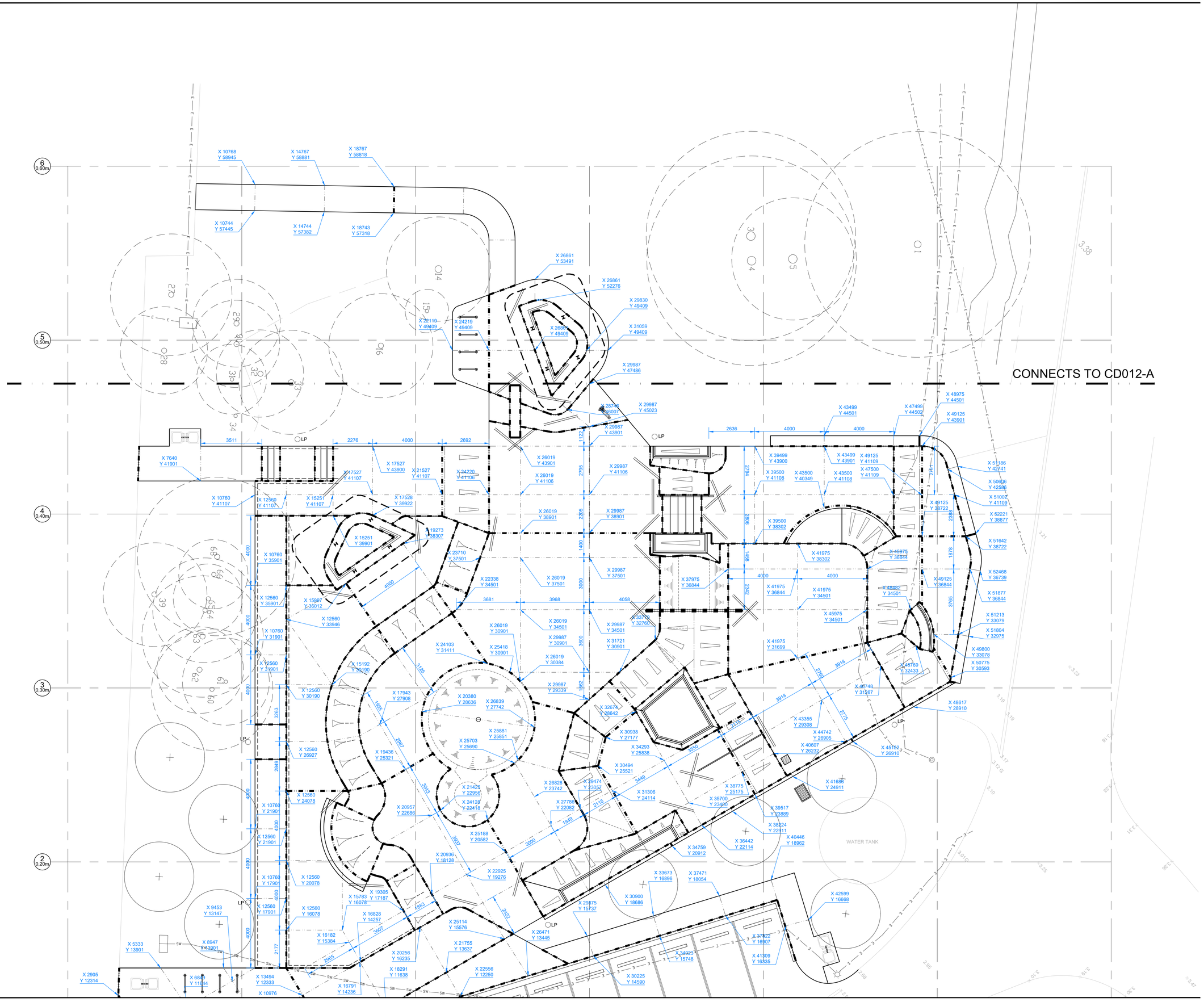
LEICHHARDT PARK SKATE PARK
70 Mary Street,
Lilyfield NSW 2040

DRAWING TITLE:

Concrete Joints Plan

SCALE:	1:100	**DATE OF ISSUE:**	18.01.2022
FORMAT / SIZE:	A1	**REFERENCE NO:**	1821
DESIGN REVIEW:	ND	**APPROVAL:**	JM

DRAWING NUMBER: 1821_CD 012-A **REVISION:** 05



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NSW 2040

PROJECT NAME:

LEICHHARDT PARK SKATE PARK
70 Mary Street,
Lilyfield NSW 2040

DRAWING TITLE:

Concrete Joints Plan

SCALE:	1:100	**DATE OF ISSUE:**	18.01.2022
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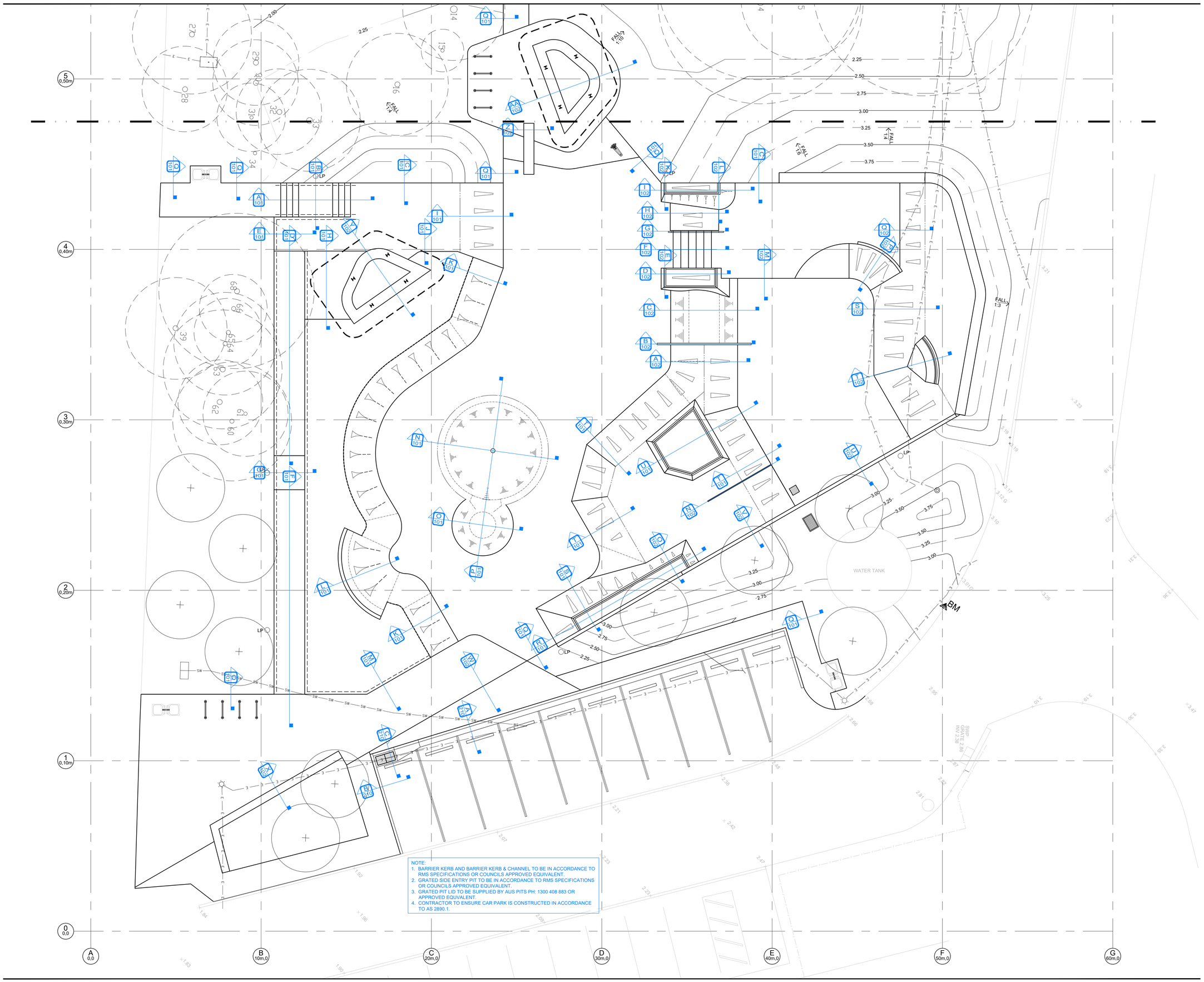
DESIGN REVIEW:	ND	**APPROVAL:**	JM

DRAWING NUMBER: 1821_CD 012-B
REVISION: 05



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NOTES / LEGEND:

SECTION KEY NOTES:

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- 200MM ROLL-OVER RADIUS TO TOP OF BANK.
- RC TRANSITION (QUARTER PIPE). REFER TO SECTIONS CD100.
- RC FLAT BANK. REFER TO SECTIONS CD100.
- A 101 — REFER TO SECTIONS CD101 & 102.
- REPRESENTS CONCRETE BLEND BETWEEN VARYING TRANSITIONS. ALL BLEND AREAS TO BE APPROVED BY ENLOCUS PRIOR TO CONCRETE POUR. TO INCLUDE AND NOT LIMITED TO SHAPE OF REQUIRED EARTHWORKS, REINFORCEMENT AND PROPOSED SHAPE AND METHOD OF CONSTRUCTION. BLENDS NEED TO BE CONSISTENT AND TO HAVE SEAMLESS CONNECTION TO ADJOINING TRANSITIONS. ANY FINISHED BLENDS OUTSIDE OF THESE TOLERANCES WILL BE DEMOLISHED AND REPOURED AT CONTRACTORS EXPENSE.

CLIENT NAME:

INNER WEST COUNCIL
7-15 Wetherill Street, Leichhardt
NSW 2040

PROJECT NAME:

LEICHHARDT PARK SKATE PARK
70 Mary Street,
Lilyfield NSW 2040

DRAWING TITLE:

Section Key Plan

SCALE:	1:100	**DATE OF ISSUE:**	18.01.2022
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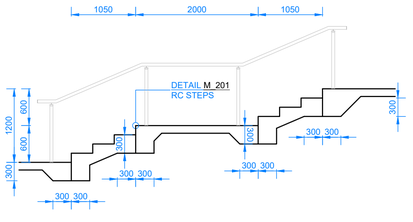
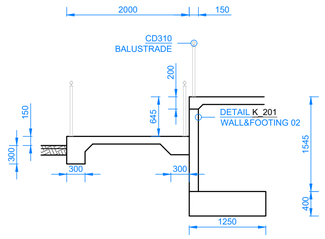
DRAWING NUMBER: 1821_CD 100

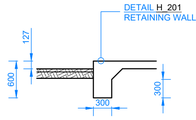
REVISION: 05



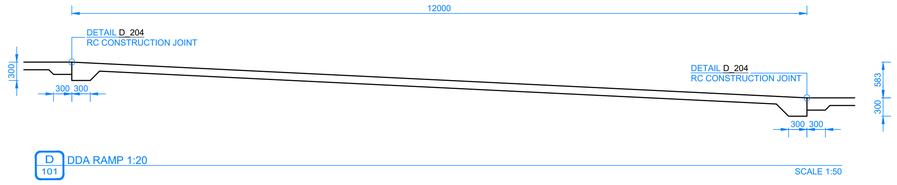
A 101 STEPS
SCALE 1:50



B 101 STEPS
SCALE 1:50



C 101 GARDEN BED TO CONCRETE SLAB
SCALE 1:50



D 101 DDA RAMP 1:20
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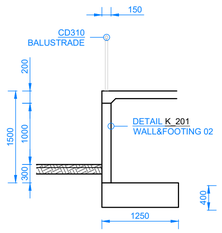

E 101 DDA LANDING TO GARDEN BED
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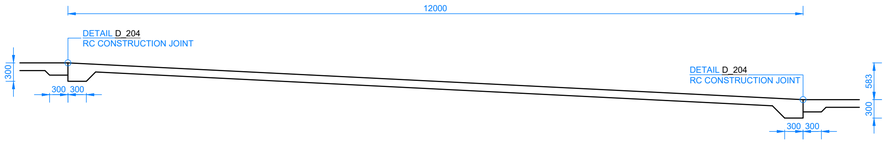

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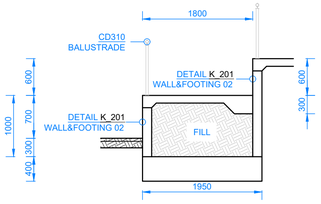

G 101 DDA RAMP LANDING
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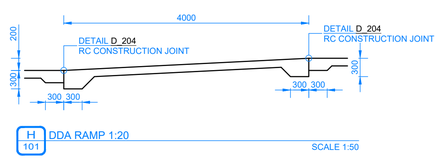

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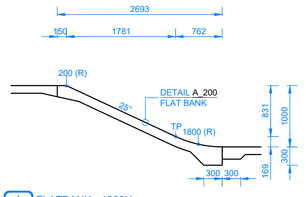
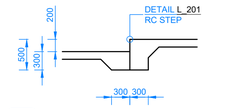


I 101 FLATBANK - 1000H
SCALE 1:50



J 101 RC STEP - 200H
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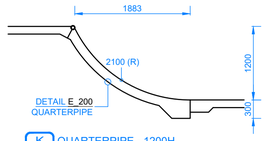
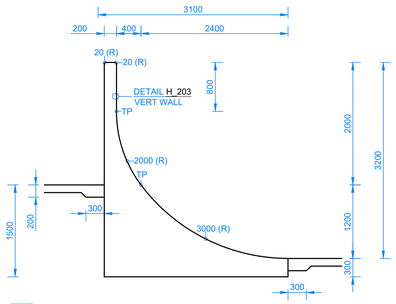


K 101 QUARTERPIPE - 1200H
SCALE 1:50



L 101 QUARTERPIPE EXTENSION
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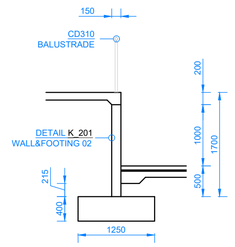
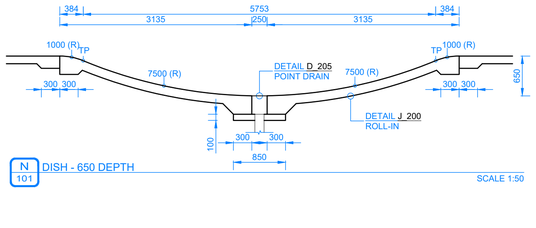


M 101 RC WALL WITH BALUSTRADE
SCALE 1:50



N 101 DISH - 650 DEPTH
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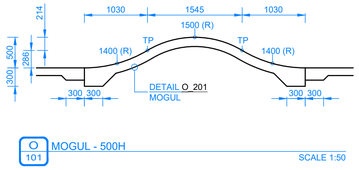
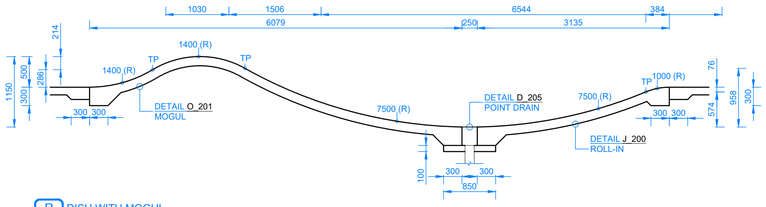


O 101 MOGUL - 500H
SCALE 1:50



P 101 DISH WITH MOGUL
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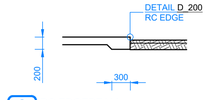

Q 101 RC EDGEBEAM
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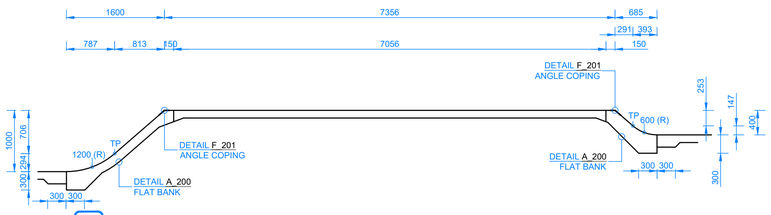

R 101 LEDGE
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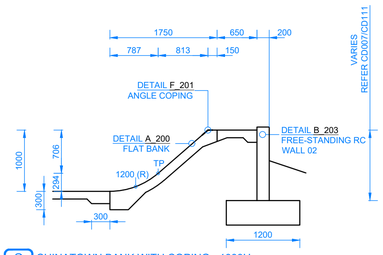

S 101 CHINATOWN BANK WITH COPING - 1000H
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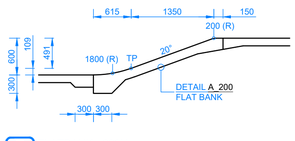

T 101 FLATBANK - 600H
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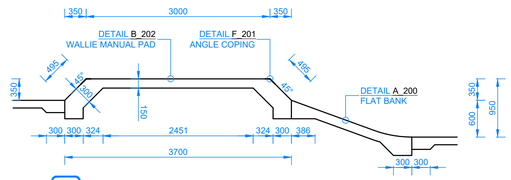

U 101 WALLIE MANUAL PAD
SCALE 1:50

- WARNING -
CONTRACTOR TO VERIFY LOCATION; DEPTH/CLEARANCE AND ALIGNMENT OF OVERHEAD AND UNDERGROUND SERVICES. CONTRACTOR TO ACQUIRE CURRENT AND RELEVANT 'DIAL BEFORE YOU DIG/ONE CALL' SERVICES DRAWINGS AND ADHERE TO ALL REQUIREMENTS FOR WORKS NEAR SERVICES INCLUDING CLEARANCES, EASEMENTS AND INFORMING SERVICE AUTHORITIES PRIOR TO COMMENCEMENT OF WORKS. THE LOCATIONS OF UNDERGROUND SERVICES INDICATED IN THIS SET OF DRAWINGS ARE INDICATIVE ONLY. PIT LOCATIONS HAVE BEEN SURVEYED BY A LICENSED SURVEYOR.

- SITE DIMENSIONS -
CONTRACTOR TO SATISFY THEMSELVES OF SITE CONDITIONS, CHANGES IN LEVEL AND DIMENSIONS PRIOR TO FABRICATION OF SITE SPECIFIC ITEMS OR PRIOR TO ORDERING/PURCHASING MATERIALS. WHERE DISCREPANCIES EXIST BETWEEN DRAWINGS AND SITE CONDITIONS CONTRACTOR TO NOTIFY SUPERINTENDENT PRIOR TO COMMENCEMENT OF WORKS.

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DRAWING STATUS:

FOR COMMENT

REVISION STATUS:

05	For Comment	18.01.22
04	For Construction	27.08.21
03	For Construction	04.08.21
02B	For Review	25.06.21
02A	For Review	24.06.21

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Melbourne VIC 3000
Tel : +613 9652 0333
www.webbaustralia.com.au

NOTES / LEGEND:

SECTION NOTES:

1.
ALL SECTIONS TO BE READ IN CONJUNCTION WITH DIMENSION PLAN, DETAILS, ENGINEERING DETAILS AND LEVELS PLANS AS APPROPRIATE. DESIGNER (ENLOCUS PTY LTD) TO BE CONTACTED WITH ANY DISCREPANCIES OR REQUIRED CLARITY FOR APPROVAL IN WRITING PRIOR TO WORKS COMMENCING/CONTINUING.

2.
CLASS 1 FINISH TO ALL VERTICAL SURFACES. STEEL TROWEL FINISH TO PLATFORMS, FLAT BANKS, TRANSITIONS ETC. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.

3.
CONCRETE 32MPa THROUGHOUT, LIMIT MOISTURE CONTENT. SAW CUT ALL SLABS MIN 24 - MAX 48 HRS AFTER POUR. SAW CUTS TO BE ACCURATE, STRAIGHT AND TRUE.

4.
ENSURE ADEQUATE VIBRATION OF CONCRETE IS ACHIEVED. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.

5.
SLUMP OF CONCRETE 90MM -100MM. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.

6.
ALL HANDRAILS, RAILS & STEEL LEDGES IN SKATEPARK TO BE CHECK MEASURED ON SITE PRIOR TO FABRICATION (AFTER CAST IN PLATE INSTALLATION). ANY DISCREPANCIES OR LACK OF CLARITY SHALL BE INDICATED BY CONTRACTOR TO DESIGNER (ENLOCUS PTY LTD) FOR CLARIFICATION IN WRITING PRIOR TO WORKS COMMENCING/CONTINUING.

7.
REFER TO ENGINEERING DETAILS FOR FURTHER INFORMATION.

CLIENT NAME:

INNER WEST COUNCIL
7-15 Wetherill Street, Leichhardt
NSW 2040

PROJECT NAME:

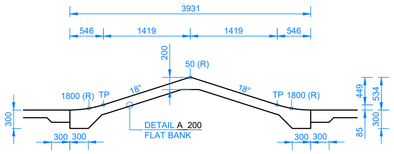
LEICHHARDT PARK SKATE PARK
70 Mary Street,
Lilyfield NSW 2040

DRAWING TITLE:

Sections 01

SCALE:	1:50	**DATE OF ISSUE:**	18.01.2022
FORMAT / SIZE:	A1	**REFERENCE NO:**	1821
DESIGN REVIEW:	ND	**APPROVAL:**	JM

DRAWING NUMBER: 1821_CD 101
REVISION: 05



A 102 A FRAME KICKER TO KICKER - 534H
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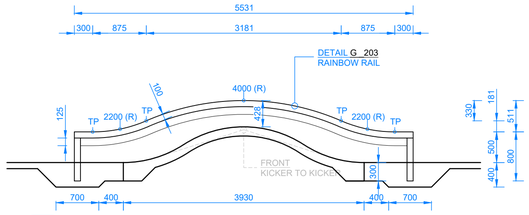

B 102 RAINBOW RAIL
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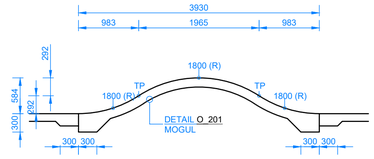

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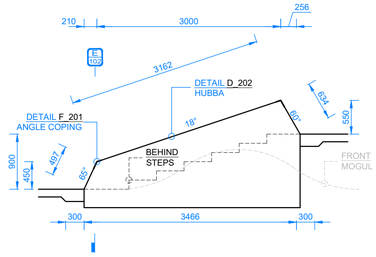

D 102 HUBBA WITH WALLIE - 900H
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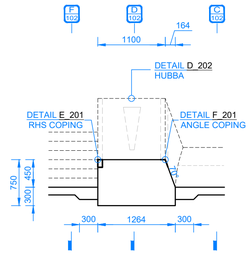

E 102 HUBBA WITH WALLIE - 900H
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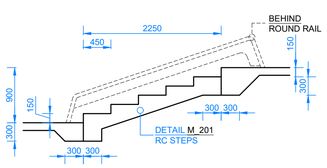

F 102 SKATE STAIRS - 900H
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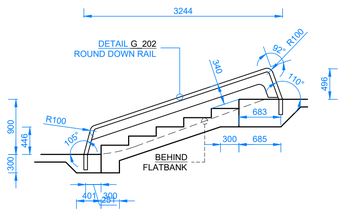
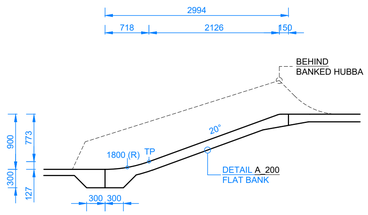


G 102 ROUND SKATE RAIL - STAIRS/FLATBANK
SCALE 1:50



H 102 FLATBANK - 900H
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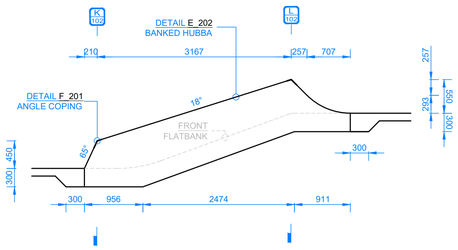

I 102 BANKED HUBBA - 550H
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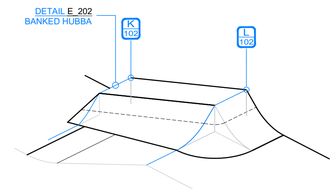

J 102 BANKED HUBBA - AXONOMETRIC
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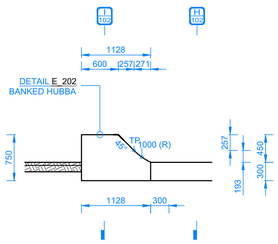

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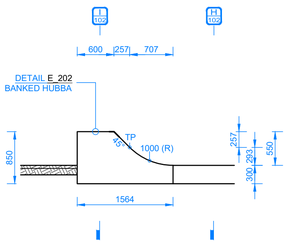

L 102 RC DOWNTURN WALL
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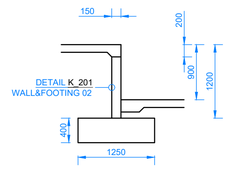

M 102 RC WALL & FOOTING
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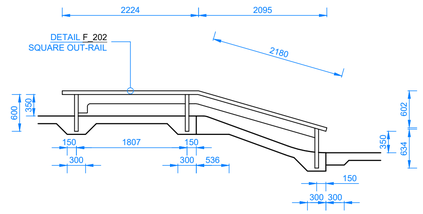

N 102 SQUARE OUT-RAIL - 350H
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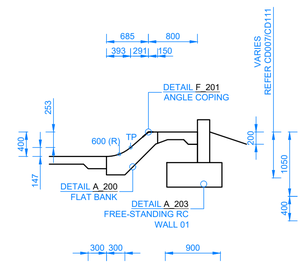
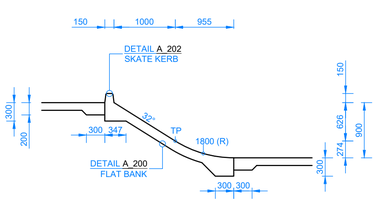


O 102 CHINATOWN BANK WITH COPING - 400H
SCALE 1:50



P 102 FLATBANK WITH KERBTOP - 900H
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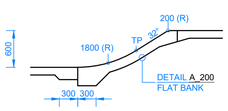

Q 102 FLATBANK - 600H
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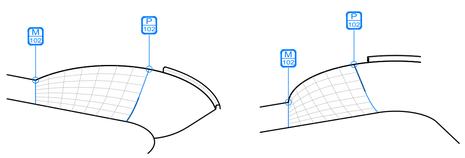

R 102 FLATBANK TO VERTICAL RC WALL BLEND
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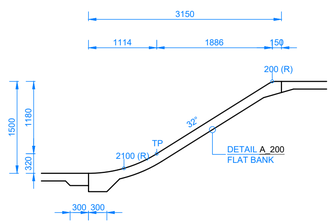

S 102 LARGE FLATBANK - 1500H
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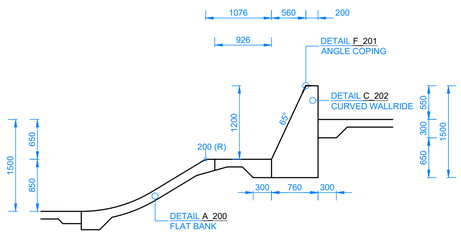

T 102 CURVED WALLRIDE - 1200H
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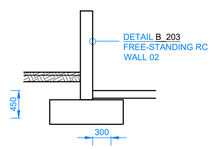

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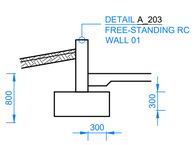

V 102 RC DOWNTURN WALL
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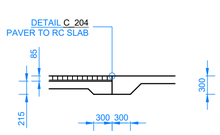

W 102 PAVER TO RC CONNECTION
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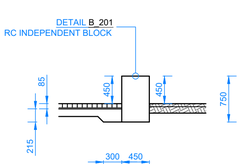
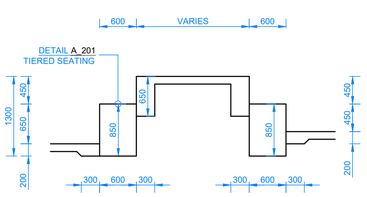
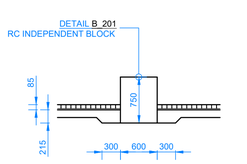


X 102 PAVER TO SEAT CONNECTION
SCALE 1:50



Y 102 TWO-TIERED SEATING
SCALE 1:50



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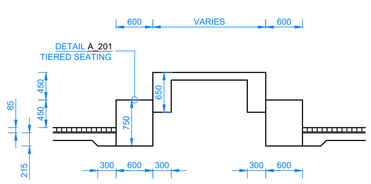

AA 102 PAVER TO TIERED SEAT CONNECTION
SCALE 1:50

- WARNING -
CONTRACTOR TO VERIFY LOCATION; DEPTH/CLEARANCE AND ALIGNMENT OF OVERHEAD AND UNDERGROUND SERVICES. CONTRACTOR TO ACQUIRE CURRENT AND RELEVANT 'DIAL BEFORE YOU DIG/ONE CALL' SERVICES DRAWINGS AND ADHERE TO ALL REQUIREMENTS FOR WORKS NEAR SERVICES INCLUDING CLEARANCES, EASEMENTS AND INFORMING SERVICE AUTHORITIES PRIOR TO COMMENCEMENT OF WORKS. THE LOCATIONS OF UNDERGROUND SERVICES INDICATED IN THIS SET OF DRAWINGS ARE INDICATIVE ONLY. PIT LOCATIONS HAVE BEEN SURVEYED BY A LICENSED SURVEYOR.

- SITE DIMENSIONS -
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- COPYRIGHT AND INTELLECTUAL PROPERTY RIGHTS -
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DRAWING STATUS:

FOR COMMENT

REVISION STATUS:

05	For Comment	18.01.22
04	For Construction	27.08.21
03	For Construction	04.08.21
02B	For Review	25.06.21
02A	For Review	24.06.21

LANDSCAPE ARCHITECT CONSULTANT:

enlocus
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Level 1, 151 St Georges Rd,
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www.matrixgroup.net.au

LIGHTING & ELECTRICAL:
WEBB AUSTRALIA GROUP
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Melbourne VIC 3000
Tel : +613 9652 0333
www.webbaustralia.com.au

NOTES / LEGEND:

SECTION NOTES:

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2.
CLASS 1 FINISH TO ALL VERTICAL SURFACES. STEEL TROWEL FINISH TO PLATFORMS, FLAT BANKS, TRANSITIONS ETC. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.

3.
CONCRETE 32MPa THROUGHOUT, LIMIT MOISTURE CONTENT. SAW CUT ALL SLABS MIN 24 - MAX 48 HRS AFTER POUR. SAW CUTS TO BE ACCURATE, STRAIGHT AND TRUE.

4.
ENSURE ADEQUATE VIBRATION OF CONCRETE IS ACHIEVED. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.

5.
SLUMP OF CONCRETE 90MM -100MM. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.

6.
ALL HANDRAILS, RAILS & STEEL LEDGES IN SKATEPARK TO BE CHECK MEASURED ON SITE PRIOR TO FABRICATION (AFTER CAST IN PLATE INSTALLATION). ANY DISCREPANCIES OR LACK OF CLARITY SHALL BE INDICATED BY CONTRACTOR TO DESIGNER (ENLOCUS PTY LTD) FOR CLARIFICATION IN WRITING PRIOR TO WORKS COMMENCING/CONTINUING.

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REFER TO ENGINEERING DETAILS FOR FURTHER INFORMATION.

CLIENT NAME:

INNER WEST COUNCIL
7-15 Wetherill Street, Leichhardt
NSW 2040

PROJECT NAME:

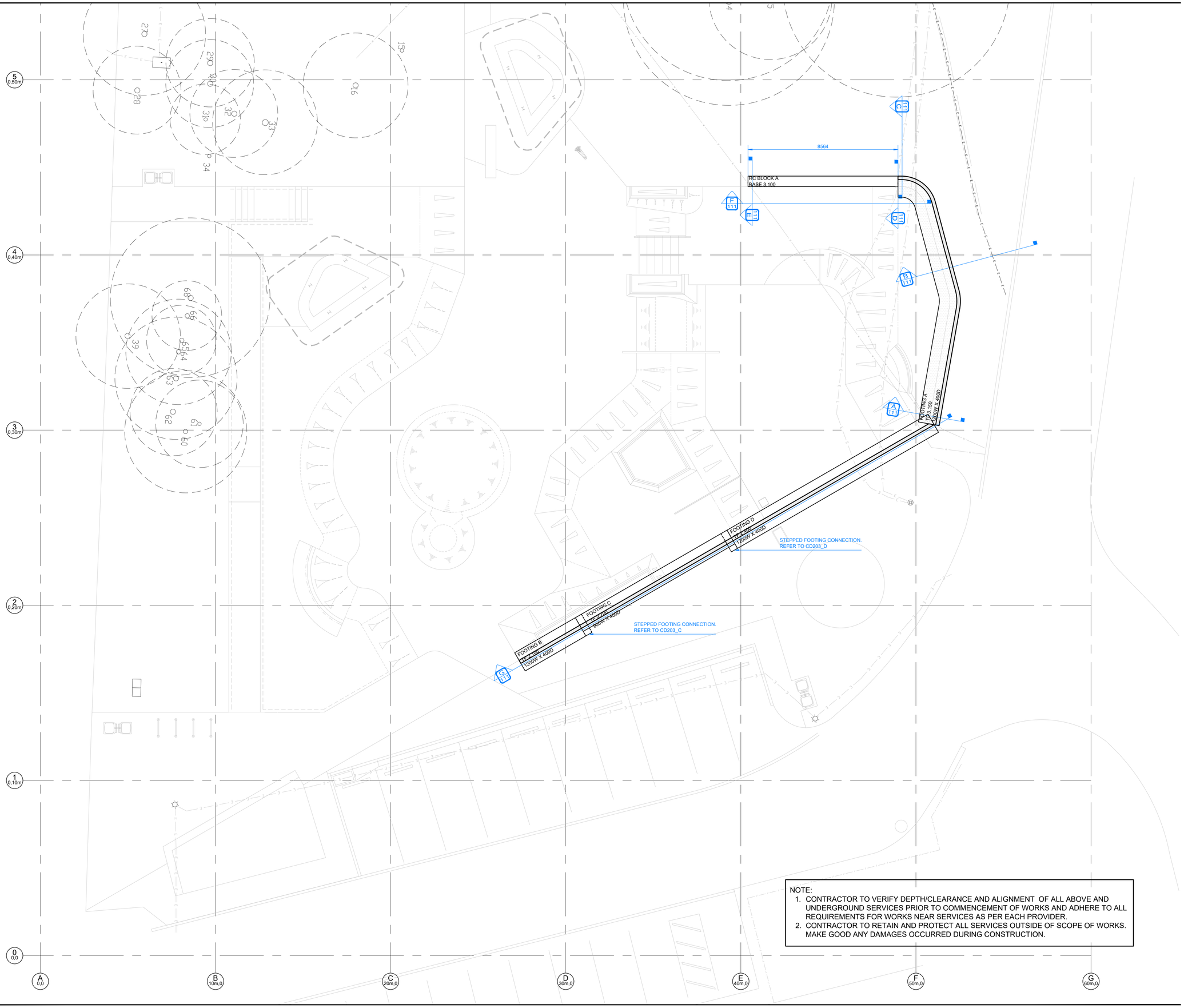
LEICHHARDT PARK SKATE PARK
70 Mary Street,
Lilyfield NSW 2040

DRAWING TITLE:

Sections 02

SCALE:	1:50	**DATE OF ISSUE:**	18.01.2022
FORMAT / SIZE:	A1	**REFERENCE NO:**	1821
DESIGN REVIEW:	ND	**APPROVAL:**	JM

DRAWING NUMBER: 1821_CD 102
REVISION: 05



NOTE:
1. CONTRACTOR TO VERIFY DEPTH/CLEARANCE AND ALIGNMENT OF ALL ABOVE AND UNDERGROUND SERVICES PRIOR TO COMMENCEMENT OF WORKS AND ADHERE TO ALL REQUIREMENTS FOR WORKS NEAR SERVICES AS PER EACH PROVIDER.
2. CONTRACTOR TO RETAIN AND PROTECT ALL SERVICES OUTSIDE OF SCOPE OF WORKS. MAKE GOOD ANY DAMAGES OCCURRED DURING CONSTRUCTION.

- WARNING -
CONTRACTOR TO VERIFY LOCATION; DEPTH/CLEARANCE AND ALIGNMENT OF OVERHEAD AND UNDERGROUND SERVICES. CONTRACTOR TO ACQUIRE CURRENT AND RELEVANT 'DIAL BEFORE YOU DIG/ONE CALL' SERVICES DRAWINGS AND ADHERE TO ALL REQUIREMENTS FOR WORKS NEAR SERVICES INCLUDING CLEARANCES, EASEMENTS AND INFORMING SERVICE AUTHORITIES PRIOR TO COMMENCEMENT OF WORKS. THE LOCATIONS OF UNDERGROUND SERVICES INDICATED IN THIS SET OF DRAWINGS ARE INDICATIVE ONLY. PIT LOCATIONS HAVE BEEN SURVEYED BY A LICENSED SURVEYOR.

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NSW 2040

PROJECT NAME:
LEICHHARDT PARK SKATE PARK
70 Mary Street,
Lilyfield NSW 2040

DRAWING TITLE:
Retaining Wall Plan

SCALE:	1:100	**DATE OF ISSUE:**	18.01.2022
FORMAT / SIZE:	A1	**REFERENCE NO:**	1821
DESIGN REVIEW:	ND	**APPROVAL:**	JM

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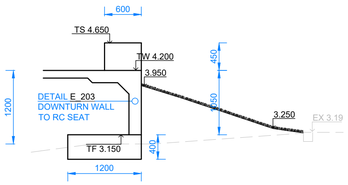
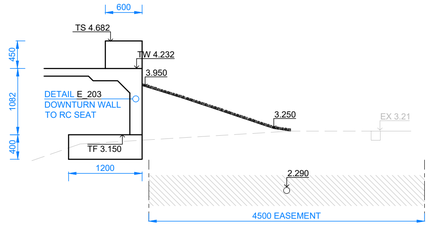
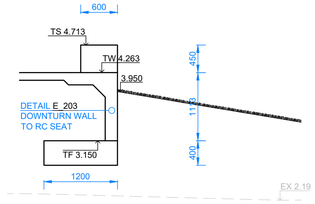


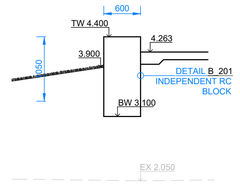
A 111 RC SEATING DOWNTURN WALL - SECTION 01
SCALE 1:50



B 111 RC SEATING DOWNTURN WALL - SECTION 02
SCALE 1:50



C 111 RC SEATING DOWNTURN WALL - SECTION 03
SCALE 1:50



D 111 RC BLOCK WALL - SECTION 01
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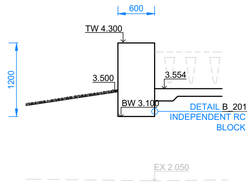

E 111 RC BLOCK - SECTION 02
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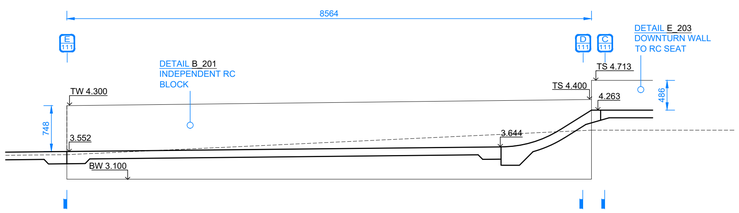
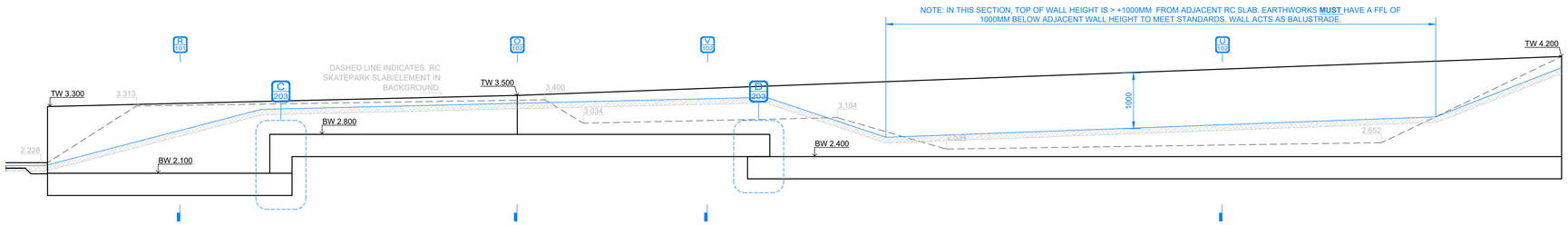


F 111 RC BLOCK WALL - ELEVATION
SCALE 1:50



F 111 RC NOISE ABATEMENT WALL - ELEVATION
SCALE 1:50

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5.
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NSW 2040

PROJECT NAME:

LEICHHARDT PARK SKATE PARK
70 Mary Street,
Lilyfield NSW 2040

DRAWING TITLE:

Retaining Wall Sections

SCALE:	1:50	**DATE OF ISSUE:**	18.01.2022
FORMAT / SIZE:	A1	**REFERENCE NO:**	1821
DESIGN REVIEW:	ND	**APPROVAL:**	JM

DRAWING NUMBER: 1821_CD 111

REVISION: 05

NOTE:
1. CONTRACTOR TO APPLY AVISTA CONCRETE SEALER PRIMER & AVISTA CONCRETE SEALER GENERAL PURPOSE "MATT" FINISH x2 COATS AS PER MANUFACTURER'S SPECIFICATION OR APPROVED EQUIVALENT TO CONCRETE SURFACE. SAMPLE TEST PANEL REQUIRED. CONTRACTOR TO ADHERE TO HOLD POINT AS SPECIFIED AND TO RECEIVE WRITTEN APPROVAL OF TEST PANEL - ENGINEERING, FINISHES AND TOLERANCE - PRIOR TO PROCEEDING WITH WORKS.

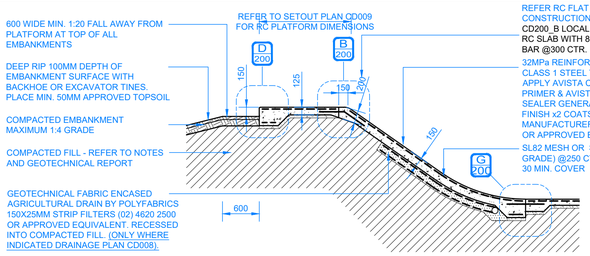
2. ANY VARIATION IN COLOUR, WORKS NOT CONSTRUCTED AS DOCUMENTED, PUDDLING, FAULTS, AND DEVIATION OF +/- 4MM OVER 2.0M FOR TRANSITION AND ADJACENT RC SLABS ETC TO BE RECTIFIED AT THE CONTRACTORS EXPENSE.

3. ALL RC SLABS AT TOP OF FLAT BANKS AND TRANSITIONS 125MM THK. RC SLABS AT GROUND LEVEL AND FLOOR OF BOWLS/STREETCOURSE 100MM THK.

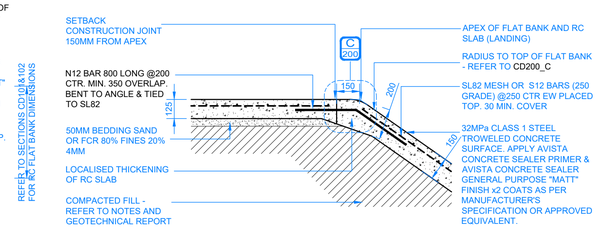
4. S12 BARS (250 GRADE) TO BE USED AS AN ALTERNATIVE ONLY IN TRANSITIONS.

5. HORIZONTAL SURFACES TO DRAIN AWAY FROM CHS COPING.

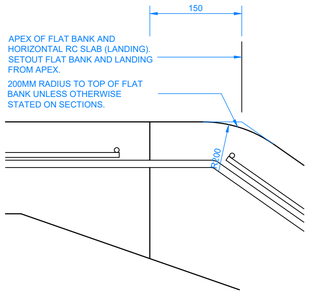
6. RC FOOTING AND CONSTRUCTION JOINT APPLIES TO RADIUS AT BOTTOM OF FLAT BANKS AND TRANSITIONS.



A 200 RC FLAT BANK - TYPICAL DETAIL
SCALE 1:50



B 200 TOP OF FLAT BANK - TYPICAL CONSTRUCTION JOINT
SCALE 1:20

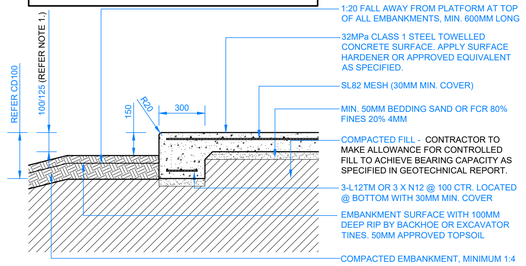


C 200 SETOUT OF FLAT BANK - DETAIL
SCALE 1:5

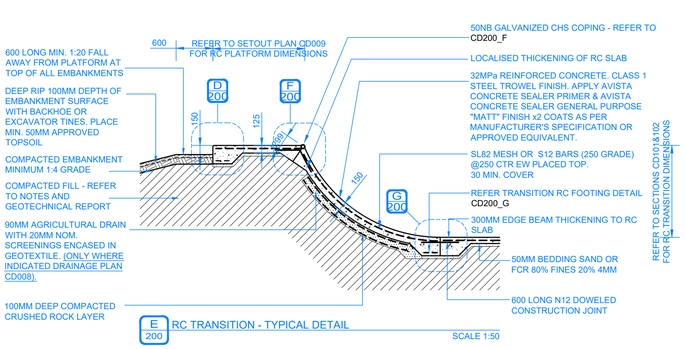
NOTE:
1. ALL RC SLABS AT TOP OF FLAT BANKS AND TRANSITIONS 125MM THK. RC SLABS AT GROUND LEVEL AND FLOOR OF BOWLS/STREETCOURSE 100MM THK.

2. S12 BARS (250 GRADE) TO BE USED AS AN ALTERNATIVE ONLY IN TRANSITION RC SLABS.

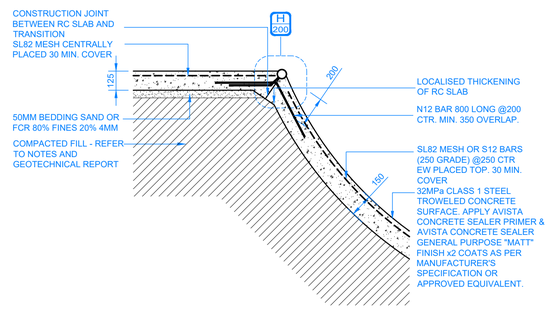
3. CONTRACTOR TO APPLY ASHFORD FORMULA SURFACE HARDENER OR APPROVED EQUIVALENT TO TEST PANEL FOR APPROVAL PRIOR TO PROCEEDING WITH WORKS.



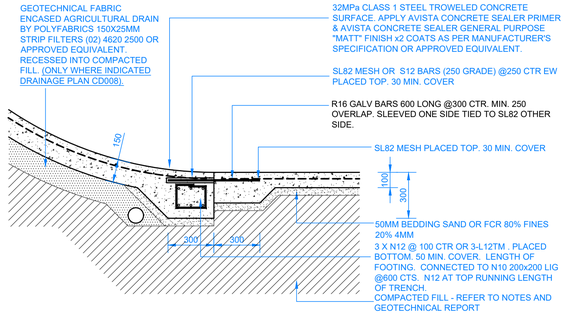
D 200 RC EDGE BEAM - TYPICAL DETAIL
SCALE 1:20



E 200 RC TRANSITION - TYPICAL DETAIL
SCALE 1:50

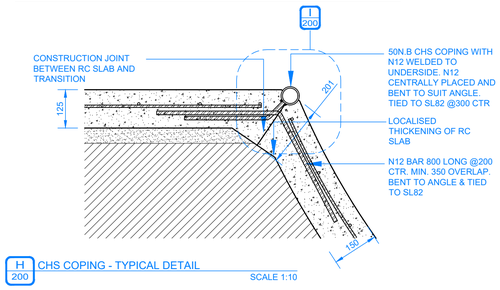


F 200 TRANSITION COPING - TYPICAL DETAIL
SCALE 1:20

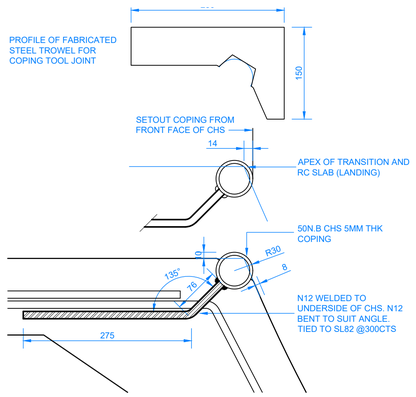


G 200 TRANSITION AND FLAT BANK RC FOOTING WITH CONSTRUCTION JOINT
SCALE 1:20

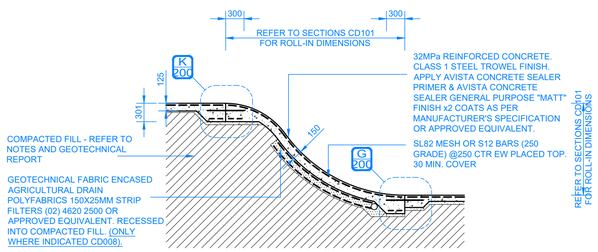
NOTE:
1. ALL WELDS GROUND SMOOTH
2. ADJACENT SURFACES BETWEEN WELDED CHS SECTIONS TO BE FLUSH WITHOUT DISTORTION OR DEVIATION
3. 5MM M/S END CAP TO ALL OUTSIDE ENDS
4. ON-SITE WELDS FINISHED WITH GALVANISED PAINT 'GALMET' OR APPROVED EQUIVALENT
5. TOOLED JOINT WITH PURPOSE FABRICATED STEEL TROWEL ONLY. REFER TO DETAIL CD200_I
6. ANY DEVIATION FROM COPING NOT WITHIN SPECIFIED TOLERANCES TO BE RECTIFIED AT THE CONTRACTORS EXPENSE



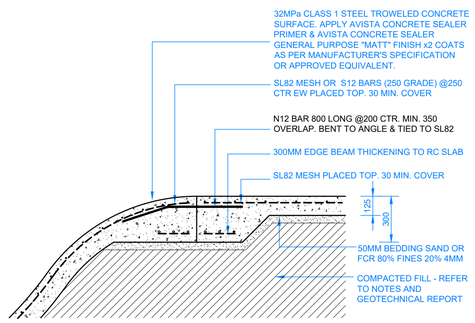
H 200 CHS COPING - TYPICAL DETAIL
SCALE 1:10



I 200 CHS COPING SETOUT, OFFSET AND TOOL JOINT - DETAIL
SCALE 1:5



J 200 ROLL - IN - TYPICAL DETAIL
SCALE 1:50



K 200 ROLL-IN TYPICAL CONSTRUCTION JOINT
SCALE 1:20

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02B	For Review	25.06.21
02A	For Review	24.06.21

LANDSCAPE ARCHITECT CONSULTANT:

enlocus
ENLOCUS
Level 1, 151 St Georges Rd,
Fitzroy North, Victoria 3066
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W : www.enlocus.com

CONSULTANTS:

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MATRIX ENGINEERING GROUP P/L
24/37 Kellor Park Drive
Kellor Park, Victoria 3042
Tel : +613 9331 7522
www.matrixgroup.net.au

LIGHTING & ELECTRICAL:
WEBB AUSTRALIA GROUP
Level 6, 128 Exhibition St
Melbourne VIC 3000
Tel : +613 9652 0333
www.webbaustralia.com.au

NOTES / LEGEND:

ENGINEERING NOTES:

CONCRETE:

1. CONCRETE STRENGTH N32 MPA.
2. CONCRETE THICKNESS 150MM SLOPES, 100MM PLATFORMS AND FLAT BOTTOM, UNO.
3. CONSTRUCTION JOINTS SHALL BE AT CONSTRUCTED MAXIMUM 6.0M OR AS PER DETAIL.
4. SAW CUTS TO BE SAWN AS SHOWN ON PLANS. SAW CUT DEPTH TO BE 30MM DEEP. CHECK REINFORCEMENT DETAIL FOR SAW CUT JOINT DETAILS.
5. FOR CURING, COVER FOR SEVEN DAYS WITH PLASTIC, OR BY LIQUID MEMBRANE, TO THE APPROPRIATE AUSTRALIAN STANDARD. APPLY WITHIN 1 HOUR OF CONCRETE FINISHING.
6. FINISH TO BE CLASS 1 METAL TROWEL TO ALL VERTICAL SURFACES. STEEL TROWEL FINISH TO PLATFORMS, FLAT BANKS, TRANSITIONS, ETC.
7. REFER TO A.S.3600 - CONCRETE STRUCTURES AND A.S.2870-2011 - RESIDENTIAL SLABS AND FOOTINGS.

REINFORCEMENT:

1. AS SHOWN.
2. TRIMMERS - 2 OF N12x2000 LONG TO ALL INTERNAL CORNERS.
3. BASE SLAB - SL82 MESH OR S12 (250 GRADE) @ 250 CRS EW.
4. VERTICAL WALLS - REFER TO RC WALL - REINFORCEMENT SCHEDULE CD201.
5. BLOCKS - AS SHOWN.
6. GRIND RAILS - SHALL BE 75X75X5MM 'DURAGAL' RHS (UNLESS OTHERWISE STATED ON PLANS). ENDS MITRED AND ALL WELDS GROUND SMOOTH AND COLD GALVANISED. ALL COLD GALVANISED AREAS TO HAVE 'GALMET' DURAGAL SILVER PAINT APPLIED. APPLICATION TO BE NEAT AND CONSISTENT.

EARTHWORKS:

1. STABLE CLEAN FILL COMPACTED TO 98 % (MMDD) PLACED AND COMPACTED IN 200MM LAYERS.
2. REFER TO SOIL REPORT FOR FURTHER DETAILS.

ALL SUBGROUND PREPARATION WORKS UNDER ALL CONCRETE PAVEMENTS AREAS AND LOW PROFILE RETAINING WALLS ARE TO BE PROTECTED, ROLLED AND COMPACTED AS PER RECOMMENDATIONS SET OUT IN THE GEOTECHNICAL REPORT SUPPLIED BY CIVIL TEST PTY LTD - REPORT NO. 1190944-1.

3. ALL SOFT SPOTS TO BE EXCAVATED DOWN TO APPROPRIATE DEPTH AND REPLACED WITH COMPACTED FILL TO 98% MMDD IN 200MM LAYERS.
4. FURTHER GEOTECHNICAL ADVICE MAY BE REQUIRED.

CLIENT NAME:

INNER WEST COUNCIL
7-15 Wetherill Street, Leichhardt
NSW 2040

PROJECT NAME:

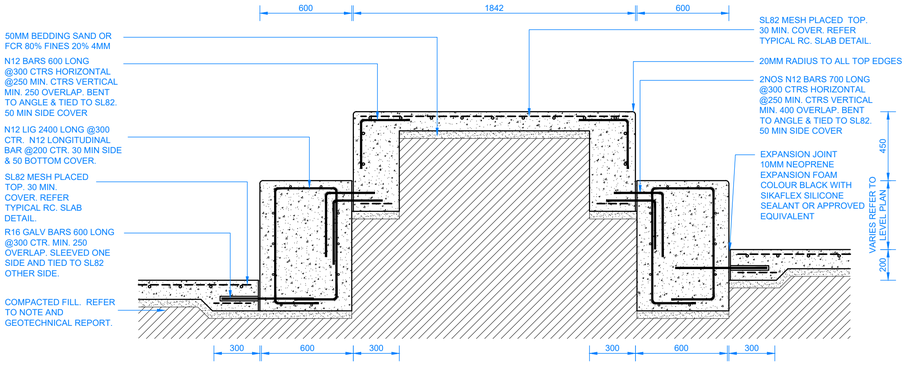
LEICHHARDT PARK SKATE PARK
70 Mary Street,
Lilyfield NSW 2040

DRAWING TITLE:

Engineering Details 01

SCALE:	N/A	**DATE OF ISSUE:**	18.01.2022
FORMAT / SIZE:	A1	**REFERENCE NO:**	1821
DESIGN REVIEW:	ND	**APPROVAL:**	JM

DRAWING NUMBER: 1821_CD 200
REVISION: 05



A 201 TWO-TIERED SEATING - TYPICAL DETAIL
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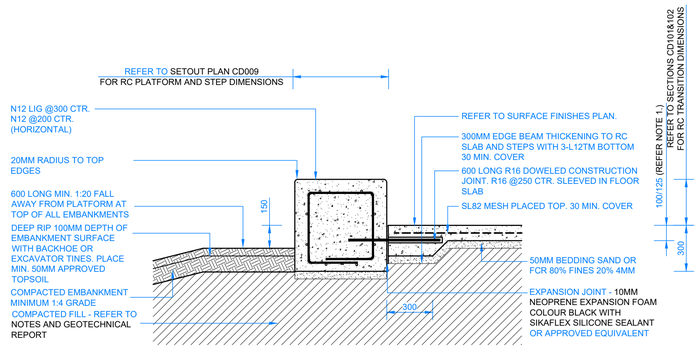

B 201 INDEPENDENT RC BLOCK - TYPICAL DETAIL
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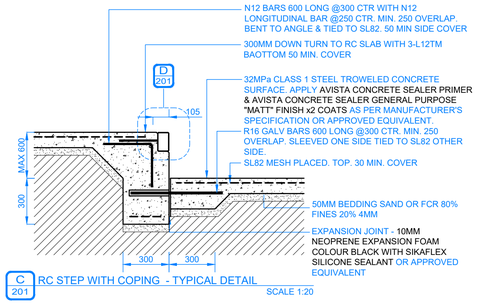

C 201 RC STEP WITH COPING - TYPICAL DETAIL
SCALE 1:20

- WARNING -
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- SITE DIMENSIONS -
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DRAWING STATUS:

FOR COMMENT

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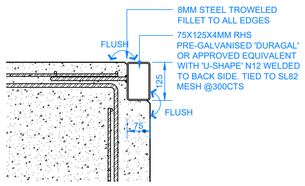
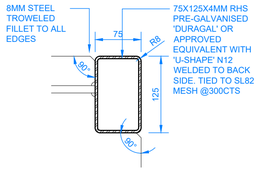


D 201 RHS COPING DETAIL
SCALE 1:10



E 201 RHS COPING
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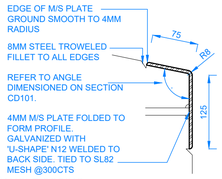
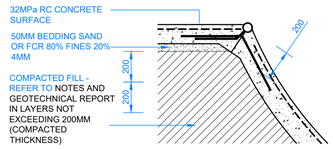


F 201 ANGLE COPING
SCALE 1:5

NOTE:
1. RADIUS TO ALL EDGES 8MM. 'DURAGAL' OR APPROVED EQUIVALENT.
2. ALL WELDS GROUND SMOOTH.
3. APPLY COLD GALVANISED PAINT WITH STENCIL TO ENSURE NEAT AND EVEN COVERAGE.
4. GALVANISED PAINT SILVER TO MATCH PREGALVANISED STEEL.
5. TOP OF ALL BLOCKS TO HAVE A LOCAL HIGH POINT OR GRADIENT TO ENSURE FREE DRAINAGE.



G 201 CONTROLLED FILL - TYPICAL DETAIL
SCALE 1:20

NOTE:
1. CONTRACTOR TO REVIEW GEOTECHNICAL ASSESSMENT AND RECOMMENDATIONS SUPPLIED AT TENDER AND MAKE ALLOWANCES TO ACHIEVE SPECIFIED BEARING CAPACITY.
2. EXCAVATED AND STOCK PILED FILL FROM SITE CAN BE USED AS CONTROLLED FILL IF ALL REQUIREMENTS OUTLINED IN THE GEOTECHNICAL ASSESSMENT ARE MET.
3. CONTROLLED FILL DETAIL AND SPECIFICATION APPLIES TO ALL CONCRETE STRUCTURES INCLUDING FLAT BANKS, TRANSITIONS, WALLS, STEPS ETC

NOTES / LEGEND:

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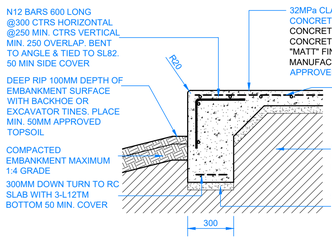
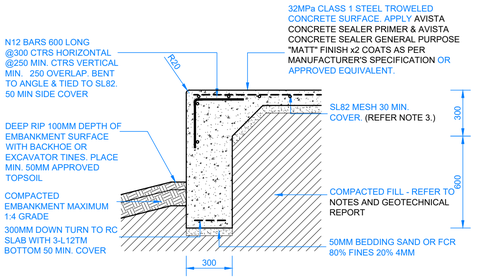
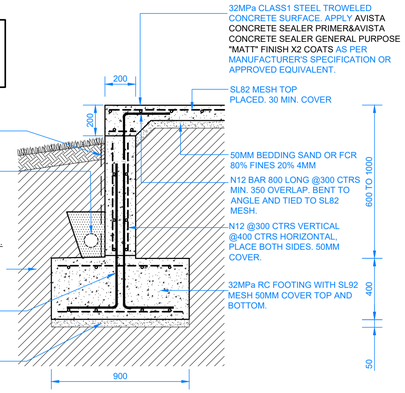


H 201 RETAINING WALL(600MM) - TYPICAL DETAIL
SCALE 1:20



I 201 RETAINING WALL(900MM) - TYPICAL DETAIL
SCALE 1:20

NOTE:
FACE OF WALL TO BE ADEQUATELY PROPPED DURING BACKFILLING. PROPS TO BE REMOVED ONCE TOP SLAB IS CURED



J 201 INFILL WALL TO RC SLAB - TYPICAL DETAIL
SCALE 1:20

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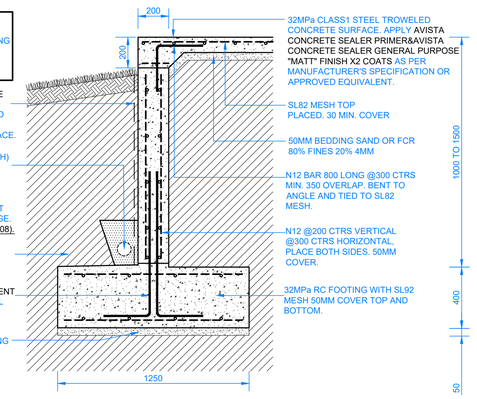
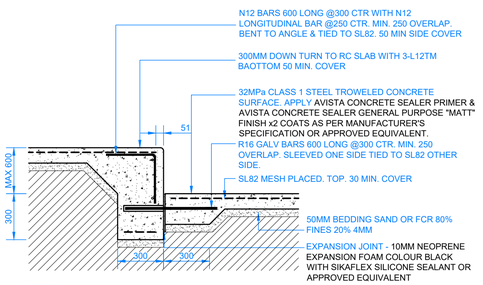
FACE OF WALL TO BE ADEQUATELY PROPPED DURING BACKFILLING. PROPS TO BE REMOVED ONCE TOP SLAB IS CURED

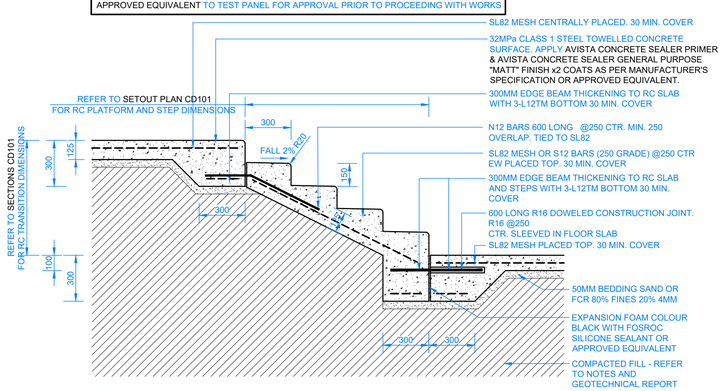


K 201 INFILL WALL TO RC SLAB - TYPICAL DETAIL
SCALE 1:20

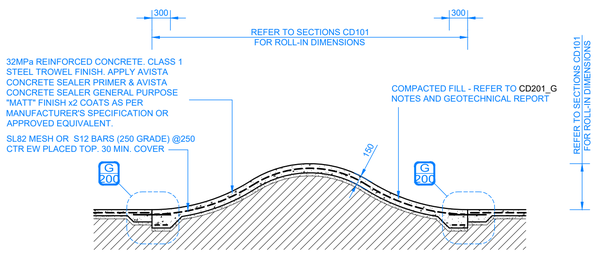


L 201 RC STEP - TYPICAL DETAIL
SCALE 1:20

NOTE:
1. ALL RC SLABS AT TOP OF STEPS 125MM THK. RC SLABS AT GROUND LEVEL AND FLOOR OF BOWLS/STREETCOURSE 100MM THK
2. CONTRACTOR TO AVISTA CONCRETE SEALER PRIMER & AVISTA CONCRETE SEALER GENERAL PURPOSE "MATT" FINISH x2 COATS AS PER MANUFACTURER'S SPECIFICATION OR APPROVED EQUIVALENT TO TEST PANEL FOR APPROVAL PRIOR TO PROCEEDING WITH WORKS



M 201 RC STEPS - TYPICAL DETAIL
SCALE 1:20



O 201 RC MOGUL - TYPICAL DETAIL
SCALE 1:50

CLIENT NAME:

INNER WEST COUNCIL
7-15 Wetherill Street, Leichhardt
NSW 2040

PROJECT NAME:

LEICHHARDT PARK SKATE PARK
70 Mary Street,
Lilyfield NSW 2040

DRAWING TITLE:

Engineering Details 02

SCALE:	N/A	**DATE OF ISSUE:**	18.01.2022
FORMAT / SIZE:	A1	**REFERENCE NO:**	1821
DESIGN REVIEW:	ND	**APPROVAL:**	JM

DRAWING NUMBER: 1821_CD 201
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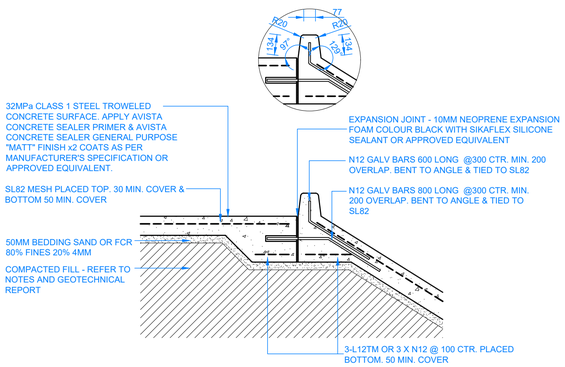
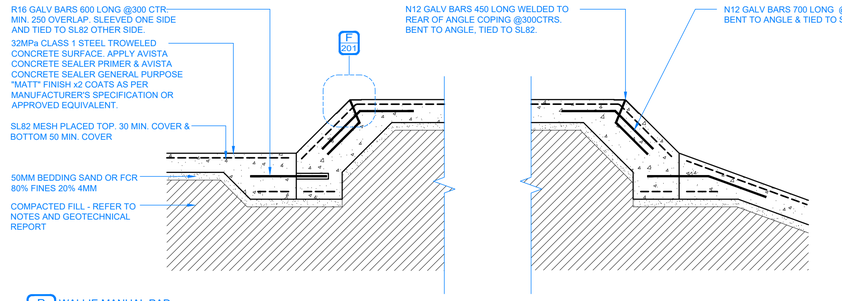


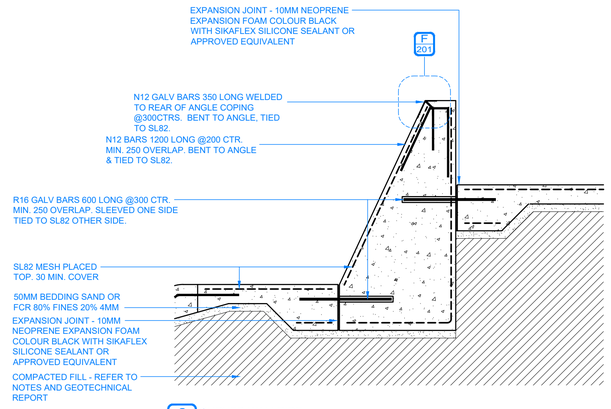
A 202 SKATE KERB - DETAIL

SCALE 1:20



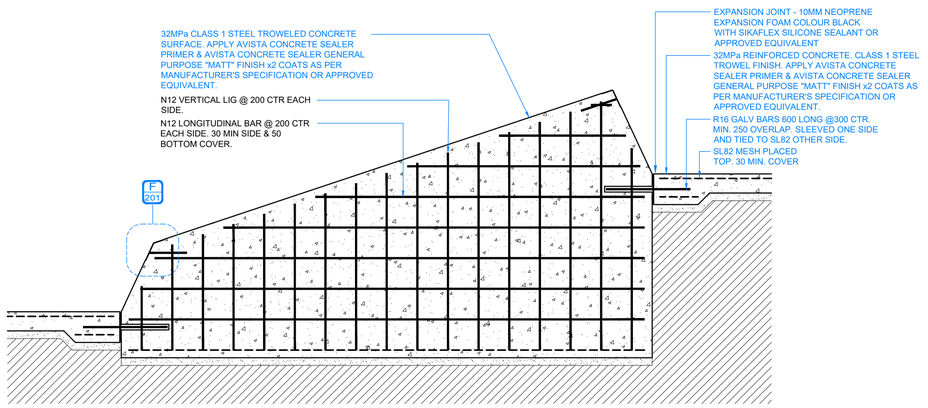
B 202 WALLIE MANUAL PAD

SCALE 1:20



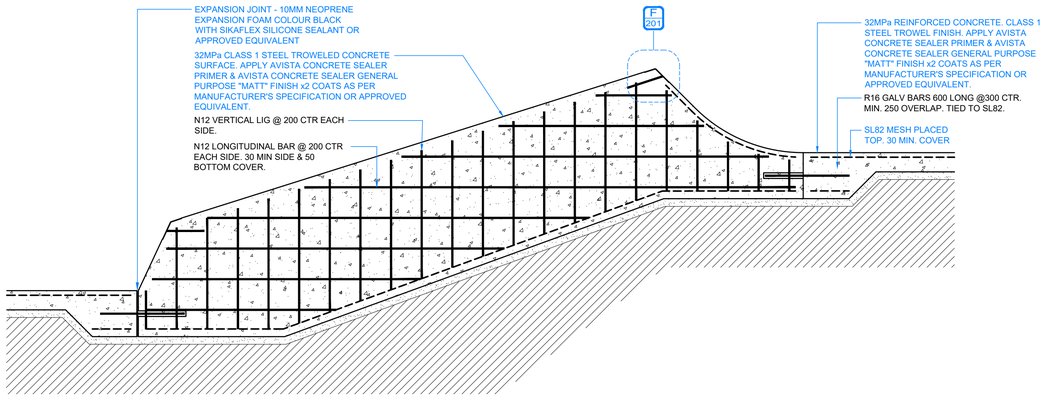
C 202 CURVED WALLRIDE

SCALE 1:20



D 202 A-FRAME LEDGE DETAIL

SCALE 1:20



E 202 A-FRAME LEDGE DETAIL

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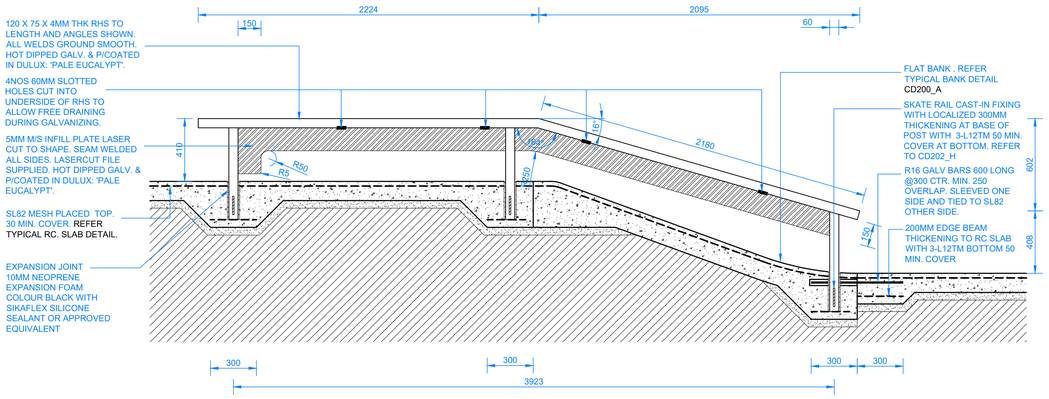
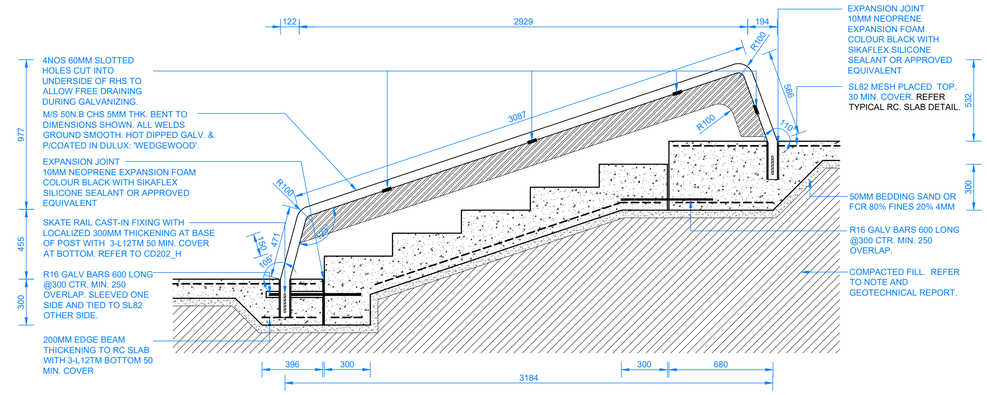


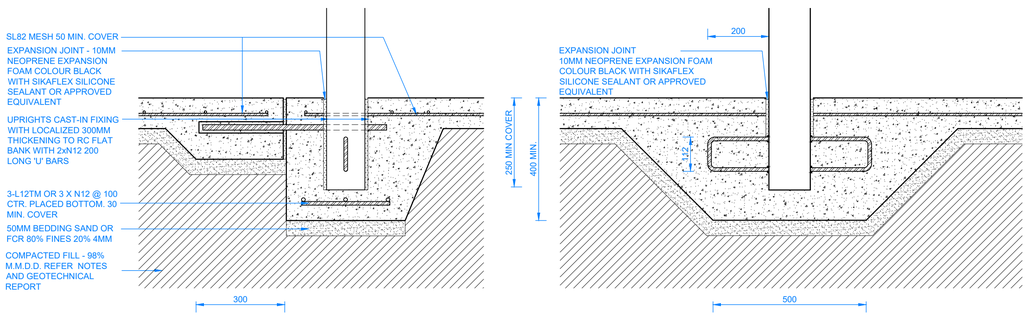
F 202 SQUARE OUT RAIL 350HIGH - TYPICAL DETAIL

SCALE 1:20



G 202 ROUND SKATE RAIL - TYPICAL DETAIL

SCALE 1:20



H 202 SKATE RAIL RC FOOTING - TYPICAL DETAIL

SCALE 1:10

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4. FURTHER GEOTECHNICAL ADVICE MAY BE REQUIRED.

CLIENT NAME:

INNER WEST COUNCIL
7-15 Wetherill Street, Leichhardt
NSW 2040

PROJECT NAME:

LEICHHARDT PARK SKATE PARK
70 Mary Street,
Lilyfield NSW 2040

DRAWING TITLE:

Engineering Details 03

SCALE:	N/A	**DATE OF ISSUE:**	18.01.2022
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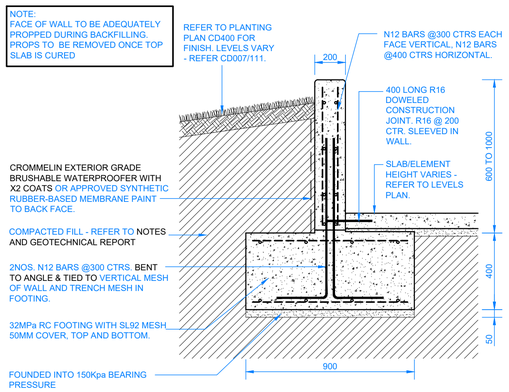
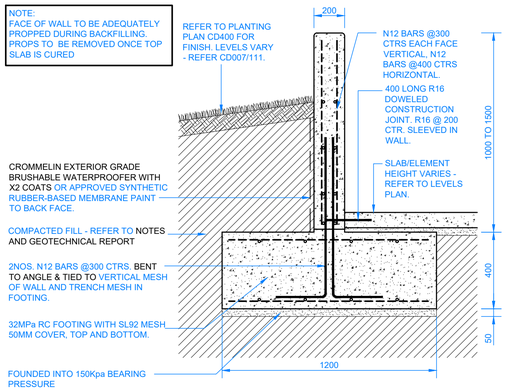


A 203 INFILL WALL TO RC SLAB - TYPICAL DETAIL
SCALE 1:20



B 203 INFILL WALL TO RC SLAB - TYPICAL DETAIL
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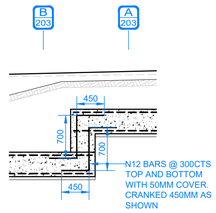

C 203 RC WALL - STEPPED FOOTING 01
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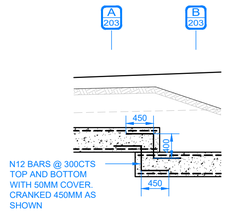

D 203 RC WALL - STEPPED FOOTING 02
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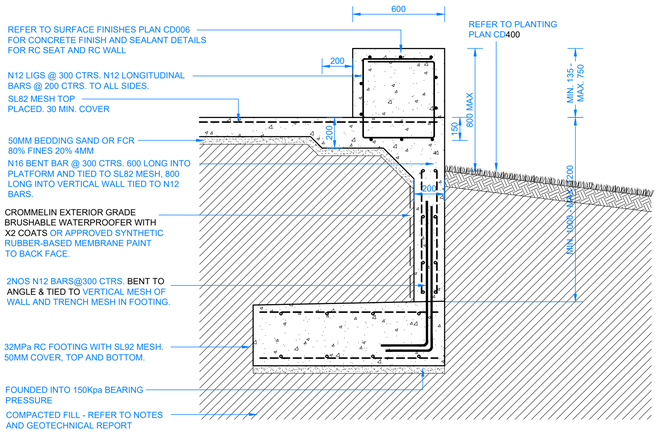

E 203 DOWNTURN WALL TO RC SEAT - TYPICAL DETAIL
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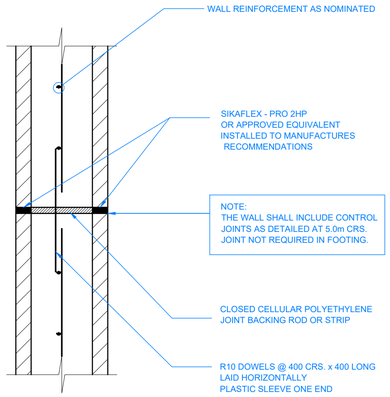
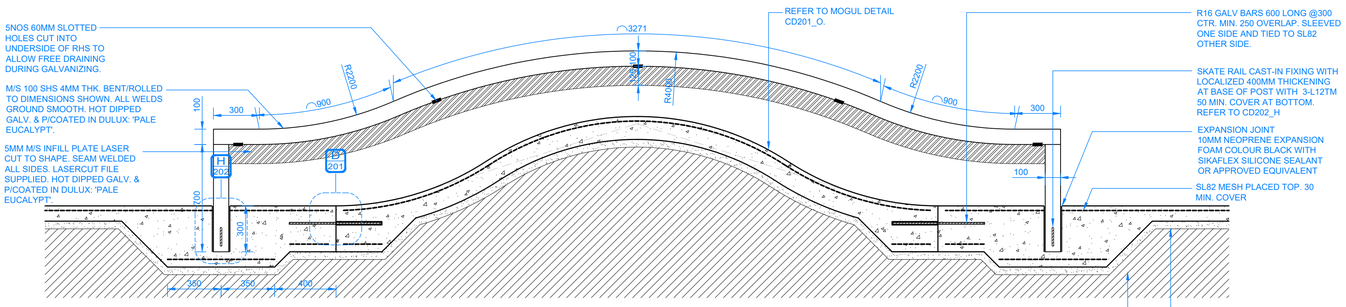
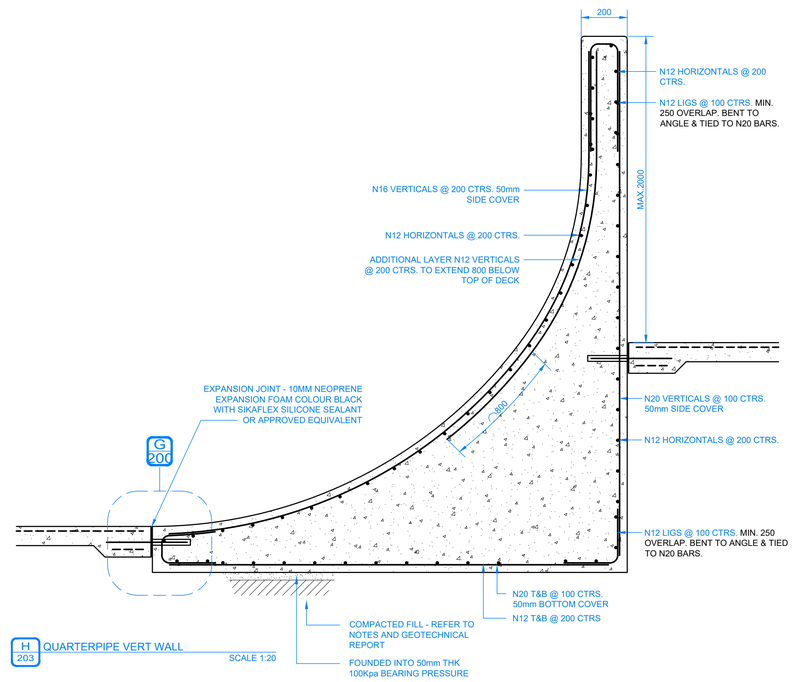


F 203 RETAINING WALL CONTROL JOINT (WCJ) - PLAN DETAIL
SCALE 1:10



G 203 RAINBOW RAIL DETAIL
SCALE 1:20



H 203 QUARTERPIPE VERT WALL
SCALE 1:20

- WARNING -
CONTRACTOR TO VERIFY LOCATION; DEPTH/CLEARANCE AND ALIGNMENT OF OVERHEAD AND UNDERGROUND SERVICES. CONTRACTOR TO ACQUIRE CURRENT AND RELEVANT 'DIAL BEFORE YOU DIG/ONE CALL' SERVICES DRAWINGS AND ADHERE TO ALL REQUIREMENTS FOR WORKS NEAR SERVICES INCLUDING CLEARANCES, EASEMENTS AND INFORMING SERVICE AUTHORITIES PRIOR TO COMMENCEMENT OF WORKS. THE LOCATIONS OF UNDERGROUND SERVICES INDICATED IN THIS SET OF DRAWINGS ARE INDICATIVE ONLY. PIT LOCATIONS HAVE BEEN SURVEYED BY A LICENSED SURVEYOR.

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DRAWING STATUS:

FOR COMMENT

REVISION STATUS:

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LANDSCAPE ARCHITECT CONSULTANT:

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CONSULTANTS:

STRUCTURAL ENGINEER
MATRIX ENGINEERING GROUP P/L
24/37 Kellor Park Drive
Kellor Park, Victoria 3042
Tel : +613 9331 7522
www.matrixgroup.net.au

LIGHTING & ELECTRICAL:
WEBB AUSTRALIA GROUP
Level 6, 128 Exhibition St
Melbourne VIC 3000
Tel : +613 9652 0333
www.webbaustralia.com.au

NOTES / LEGEND:

ENGINEERING NOTES:

CONCRETE:

1. CONCRETE STRENGTH N32 MPA.
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4. SAW CUTS TO BE SAWN AS SHOWN ON PLANS. SAW CUT DEPTH TO BE 30MM DEEP. CHECK REINFORCEMENT DETAIL FOR SAW CUT JOINT DETAILS.
5. FOR CURING, COVER FOR SEVEN DAYS WITH PLASTIC, OR BY LIQUID MEMBRANE, TO THE APPROPRIATE AUSTRALIAN STANDARD. APPLY WITHIN 1 HOUR OF CONCRETE FINISHING.
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7. REFER TO A.S.3600 - CONCRETE STRUCTURES AND A.S.2870-2011 - RESIDENTIAL SLABS AND FOOTINGS.

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3. BASE SLAB - SL82 MESH OR S12 (250 GRADE) @ 250 CRS EW.
4. VERTICAL WALLS - REFER TO RC WALL - REINFORCEMENT SCHEDULE CD201.
5. BLOCKS - AS SHOWN.
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70 Mary Street,
Lilyfield NSW 2040

DRAWING TITLE:

Engineering Details 04

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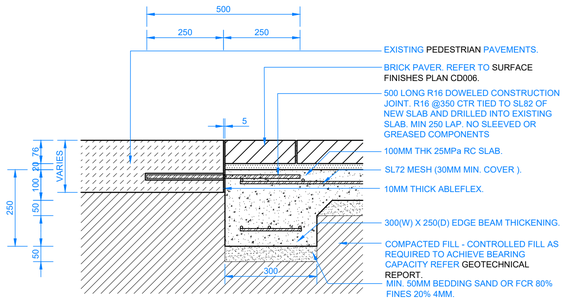
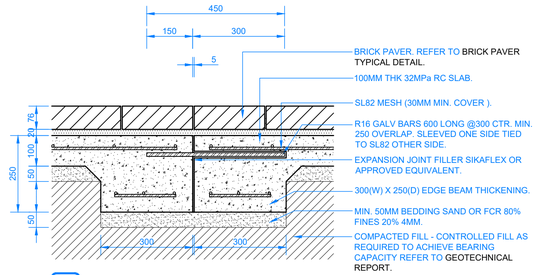
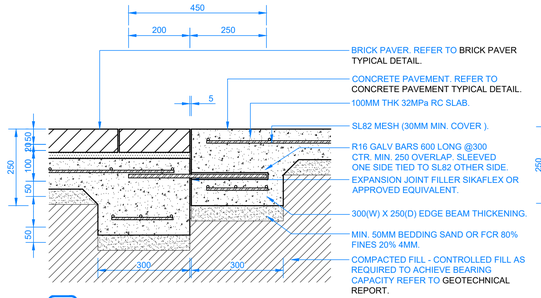


A 204 TYPICAL EXISTING PAVEMENT TO BRICK PAVER CONSTRUCTION JOINT DETAIL
SCALE 1:10

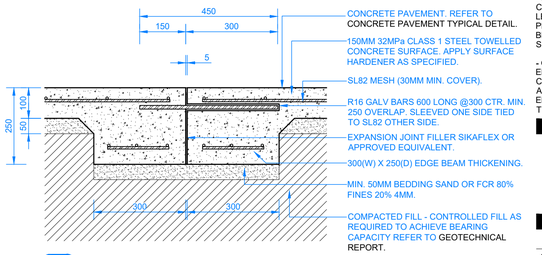


B 204 BRICK PAVING CONSTRUCTION JOINT - TYPICAL DETAIL
SCALE 1:10



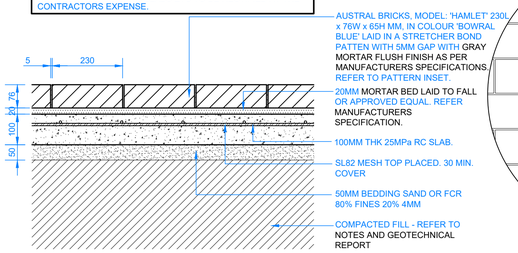
C 204 BRICK PAVING TO CONCRETE SLAB CONSTRUCTION JOINT - TYPICAL DETAIL
SCALE 1:10

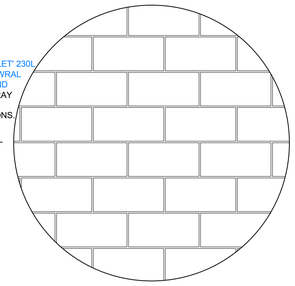
NOTE:
1. RC CONSTRUCTION JOINTS INSIDE SKATEPARK AREA TO BE INSTALLED WITHOUT EXPANSION JOINT FILLERS. REFER TO DETAIL CD204. H.
2. RC CONSTRUCTION JOINTS FOR RC PATHWAYS & FLATS OUTSIDE OF SKATEPARK AREA TO INCLUDE EXPANSION JOINT FILLERS.



D 204 RC CONSTRUCTION JOINT - TYPICAL DETAIL
SCALE 1:10

NOTE:
1. REFER TO SURFACE FINISHES PLAN CD006 AND SPECIFICATION FOR COLOURED, SIZE, FINISH AND TYPE OF PAVER.
2. SAMPLE TEST PANEL REQUIRED. CONTRACTOR TO ADHERE TO HOLD POINT AS SPECIFIED AND TO RECEIVE WRITTEN APPROVAL OF TEST PANEL - ENGINEERING, FINISHES AND TOLERANCE - PRIOR TO PROCEEDING WITH WORKS.
3. ANY VARIATION IN COLOUR, WORKS NOT CONSTRUCTED AS DOCUMENTED, PUDDLING, FAULTS, VERTICAL DEVIATION BETWEEN ADJACENT RC SLABS ETC TO BE RECTIFIED AT THE CONTRACTORS EXPENSE.

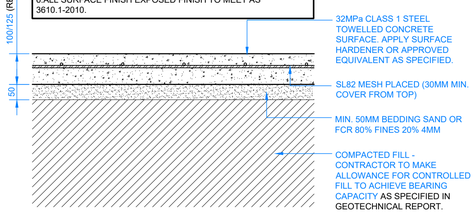




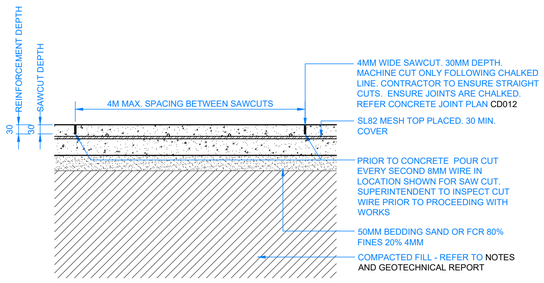
STRETCHER BOND BRICK PAVING PATTERN

E 204 BRICK PAVER ON RC SLAB - TYPICAL DETAIL
SCALE 1:10

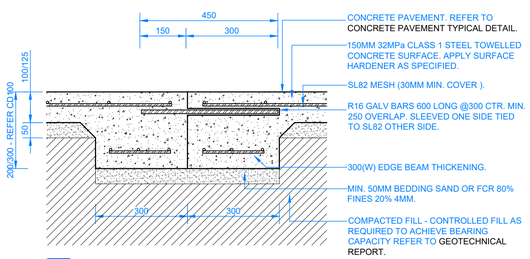
NOTE:
1. ALL RC SLABS AT TOP OF FLAT BANKS, TRANSITIONS AND STEPS TO BE 125mm THK . ALL RC SLABS AT GROUND LEVEL AND FLOOR OF BOWLS/STREETCOURSE TO BE 100MM THK .
2. ONLY SL82 REINFORCING STEEL IN FLAT RC SLABS. DO NOT USE S12 BARS (250 GRADE).
3. PRIOR TO PROCESSING WITH WORKS, SAMPLE TEST PANEL REQUIRED. CONTRACTOR TO APPLY SURFACE HARDENER (OR APPROVED EQUIVALENT) AND TO ADHERE TO SPECIFIED HOLD POINT AND TO RECEIVE WRITTEN APPROVAL OF TEST PANEL(ENGINEERING, TOLERANCE AND FINISHES).
4. REFER TO CD006 AND SPECIFICATION FOR COLOUR, SIZE AND CONCRETE FINISHES.
5. ANY VARIATION IN COLOUR, WORKS NOT CONSTRUCTED AS DOCUMENTED, PUDDLING, FAULTS, VERTICAL DEVIATION BETWEEN ADJACENT RC SLABS ETC TO BE RECTIFIED AT THE CONTRACTORS EXPENSE
6.ALL SURFACE FINISH EXPOSED FINISH TO MEET AS 3610.1-2010.



F 204 REINFORCED SKATE PARK CONCRETE SLAB - TYPICAL DETAIL
SCALE 1:10

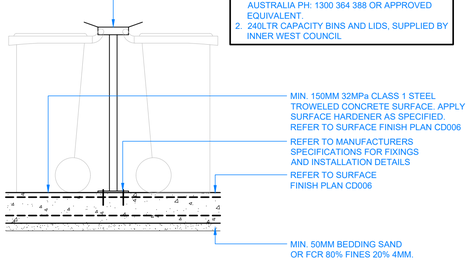


G 204 RC SLAB SAWCUT - TYPICAL DETAIL
SCALE 1:10

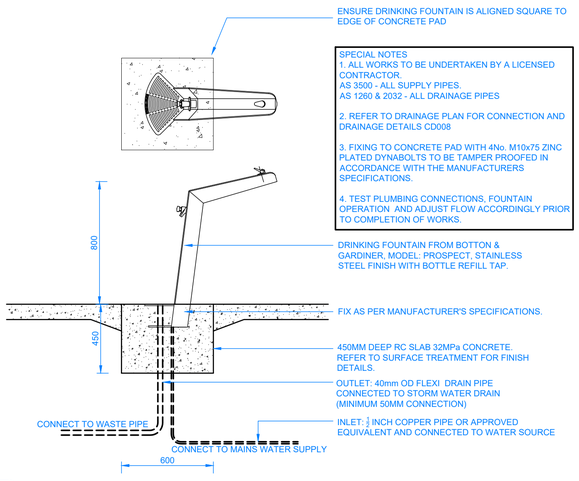


H 204 RC SKATEPARK CONSTRUCTION JOINT - TYPICAL DETAIL
SCALE 1:10

NOTE:
1. H.D.G. SECURITY DUAL BIN STAND 240L WITH BASE PLATE, POWDERCOATED COLOUR: 'HERITAGE GREEN. SUPPLIED BY SULO MGB AUSTRALIA PH: 1300 364 388 OR APPROVED EQUIVALENT.
2. 240LTR CAPACITY BINS AND LIDS, SUPPLIED BY INNER WEST COUNCIL



I 204 240LT SECURITY DUAL BIN STAND - TYPICAL DETAIL
SCALE 1:20



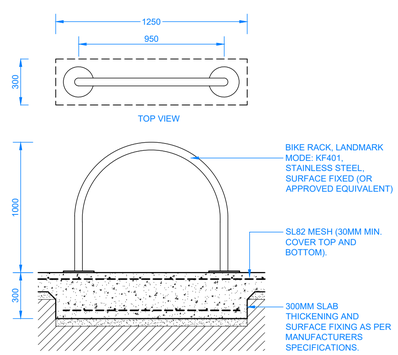
SPECIAL NOTES
1. ALL WORKS TO BE UNDERTAKEN BY A LICENSED CONTRACTOR.
AS 3500 - ALL SUPPLY PIPES.
AS 1260 & 2032 - ALL DRAINAGE PIPES

2. REFER TO DRAINAGE PLAN FOR CONNECTION AND DRAINAGE DETAILS CD008

3. FIXING TO CONCRETE PAD WITH 4No. M10x75 ZINC PLATED DYNABOLTS TO BE TAMPER PROOFED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.

4. TEST PLUMBING CONNECTIONS, FOUNTAIN OPERATION AND ADJUST FLOW ACCORDINGLY PRIOR TO COMPLETION OF WORKS.

J 204 DRINKING FOUNTAIN DETAIL
SCALE 1:20



K 204 BIKE RACK BY LANDMARK - TYPICAL DETAIL
SCALE 1:20

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WEBB AUSTRALIA GROUP
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Melbourne VIC 3000
Tel : +613 9652 0333
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NOTES / LEGEND:

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DRAWING TITLE:

Engineering Details 05

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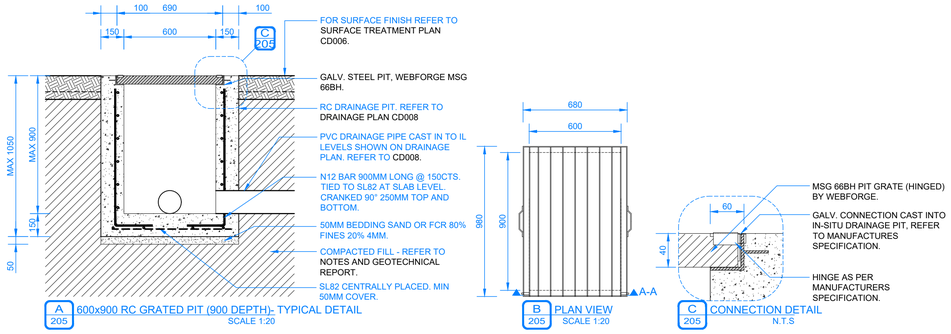
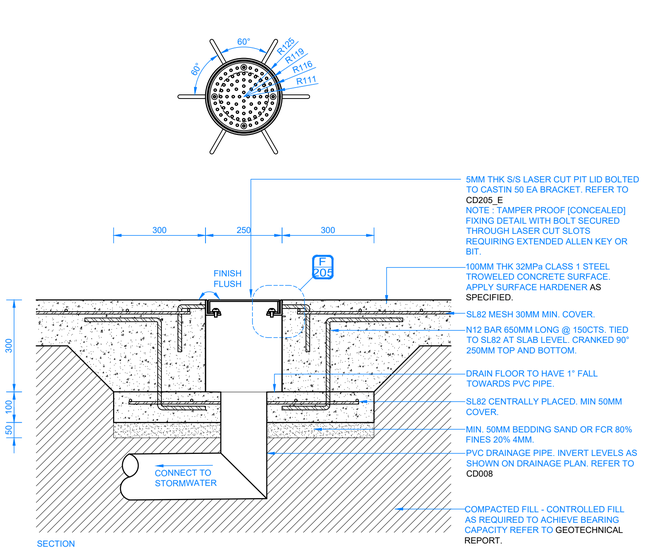


A 205 600x900 RC GRATED PIT (900 DEPTH)- TYPICAL DETAIL
SCALE 1:20

B 205 PLAN VIEW
SCALE 1:20

C 205 CONNECTION DETAIL
N.T.S



SECTION

D 205 SKATE SURFACE STAINLESS STEEL POINT DRAIN
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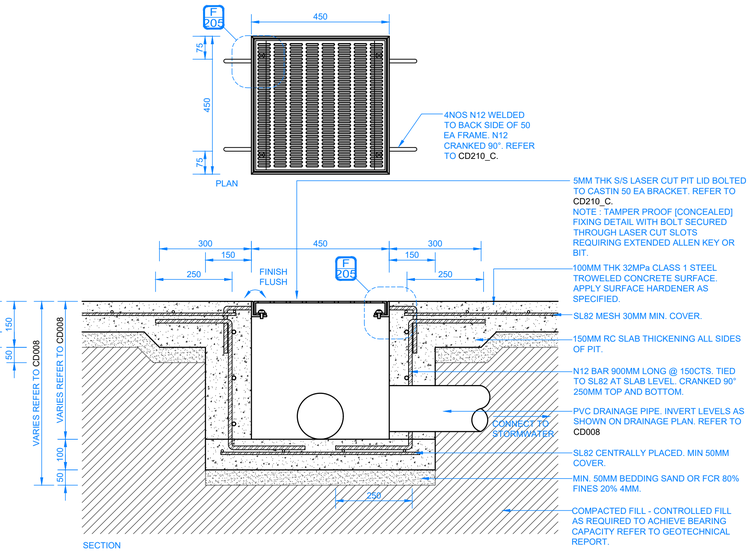
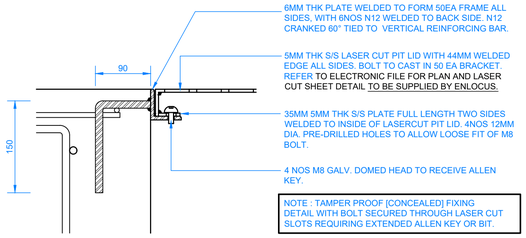


SECTION

E 205 SKATE SURFACE STAINLESS STEEL DRAINAGE PIT - DETAIL
SCALE 1:10



F 205 SKATE SURFACE STAINLESS STEEL PIT LID FIXING - TYPICAL DETAIL
SCALE 1:5

- WARNING -
CONTRACTOR TO VERIFY LOCATION; DEPTH/CLEARANCE AND ALIGNMENT OF OVERHEAD AND UNDERGROUND SERVICES. CONTRACTOR TO ACQUIRE CURRENT AND RELEVANT 'DIAL BEFORE YOU DIG/ONE CALL' SERVICES DRAWINGS AND ADHERE TO ALL REQUIREMENTS FOR WORKS NEAR SERVICES INCLUDING CLEARANCES, EASEMENTS AND INFORMING SERVICE AUTHORITIES PRIOR TO COMMENCEMENT OF WORKS. THE LOCATIONS OF UNDERGROUND SERVICES INDICATED IN THIS SET OF DRAWINGS ARE INDICATIVE ONLY. PIT LOCATIONS HAVE BEEN SURVEYED BY A LICENSED SURVEYOR.

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DRAWING STATUS:

FOR COMMENT

REVISION STATUS:

05	For Comment	18.01.22
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03	For Construction	04.08.21
02B	For Review	25.06.21
02A	For Review	24.06.21

LANDSCAPE ARCHITECT CONSULTANT:

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Tel : +613 9331 7522
www.matrixgroup.net.au

LIGHTING & ELECTRICAL:
WEBB AUSTRALIA GROUP
Level 6, 128 Exhibition St
Melbourne VIC 3000
Tel : +613 9652 0333
www.webbaustralia.com.au

NOTES / LEGEND:

ENGINEERING NOTES:

CONCRETE:

1. CONCRETE STRENGTH N32 MPA.
2. CONCRETE THICKNESS 150MM SLOPES, 100MM PLATFORMS AND FLAT BOTTOM, UNO.
3. CONSTRUCTION JOINTS SHALL BE AT CONSTRUCTED MAXIMUM 6.0M OR AS PER DETAIL.
4. SAW CUTS TO BE SAWN AS SHOWN ON PLANS. SAW CUT DEPTH TO BE 30MM DEEP. CHECK REINFORCEMENT DETAIL FOR SAW CUT JOINT DETAILS.
5. FOR CURING, COVER FOR SEVEN DAYS WITH PLASTIC, OR BY LIQUID MEMBRANE, TO THE APPROPRIATE AUSTRALIAN STANDARD. APPLY WITHIN 1 HOUR OF CONCRETE FINISHING.
6. FINISH TO BE CLASS 1 METAL TROWEL TO ALL VERTICAL SURFACES. STEEL TROWEL FINISH TO PLATFORMS, FLAT BANKS, TRANSITIONS, ETC.
7. REFER TO A.S.3600 - CONCRETE STRUCTURES AND A.S.2870-2011 - RESIDENTIAL SLABS AND FOOTINGS.

REINFORCEMENT:

1. AS SHOWN.
2. TRIMMERS - 2 OF N12x2000 LONG TO ALL INTERNAL CORNERS.
3. BASE SLAB - SL82 MESH OR S12 (250 GRADE) @ 250 CRS EW.
4. VERTICAL WALLS - REFER TO RC WALL - REINFORCEMENT SCHEDULE CD201.
5. BLOCKS - AS SHOWN.
6. GRIND RAILS - SHALL BE 75X75X5MM 'DURAGAL' RHS (UNLESS OTHERWISE STATED ON PLANS). ENDS MITRED AND ALL WELDS GROUND SMOOTH AND COLD GALVANISED. ALL COLD GALVANISED AREAS TO HAVE 'GALMET DURAGAL SILVER PAINT APPLIED. APPLICATION TO BE NEAT AND CONSISTENT.

EARTHWORKS:

1. STABLE CLEAN FILL COMPACTED TO 98 % (MMDD) PLACED AND COMPACTED IN 200MM LAYERS.
2. REFER TO SOIL REPORT FOR FURTHER DETAILS.

ALL SUBGROUND PREPARATION WORKS UNDER ALL CONCRETE PAVEMENTS AREAS AND LOW PROFILE RETAINING WALLS ARE TO BE PROTECTED, ROLLED AND COMPACTED AS PER RECOMMENDATIONS SET OUT IN THE GEOTECHNICAL REPORT SUPPLIED BY CIVIL TEST PTY LTD - REPORT NO. 1190044-1.

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4. FURTHER GEOTECHNICAL ADVICE MAY BE REQUIRED.

CLIENT NAME:

INNER WEST COUNCIL
7-15 Wetherill Street, Leichhardt
NSW 2040

PROJECT NAME:

LEICHHARDT PARK SKATE PARK
70 Mary Street,
Lilyfield NSW 2040

DRAWING TITLE:

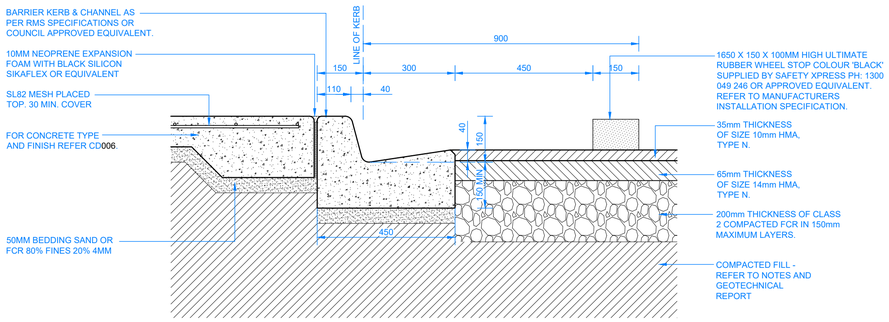
Drainage Details

SCALE:	N/A	**DATE OF ISSUE:**	18.01.2022
FORMAT / SIZE:	A1	**REFERENCE NO:**	1821
DESIGN REVIEW:	ND	**APPROVAL:**	JM

DRAWING NUMBER: 1821_CD 205

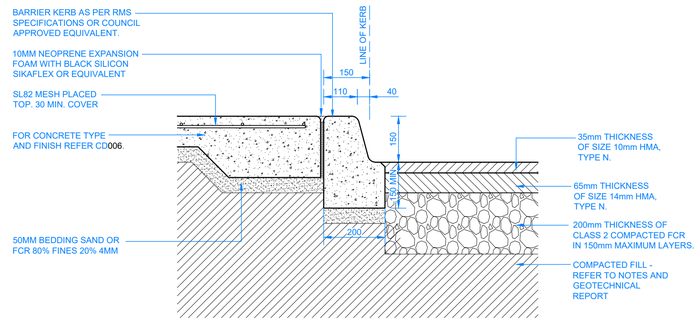
REVISION: 05

NOTE:
1. KERB & CHANNEL AS PER RMS DETAILS & SPECIFICATIONS OR COUNCIL APPROVED EQUIVALENT.



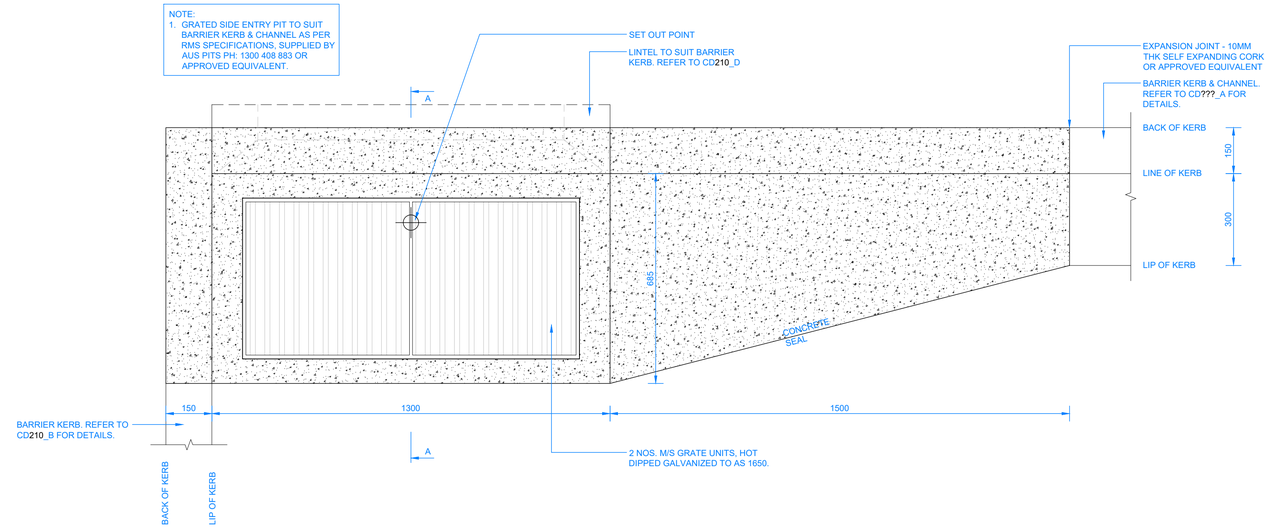
A 210 ASPHALT / BARRIER KERB & CHANNEL - TYPICAL DETAIL
SCALE 1:10

NOTE:
1. KERB AS PER RMS DETAILS & SPECIFICATIONS OR COUNCIL APPROVED EQUIVALENT.

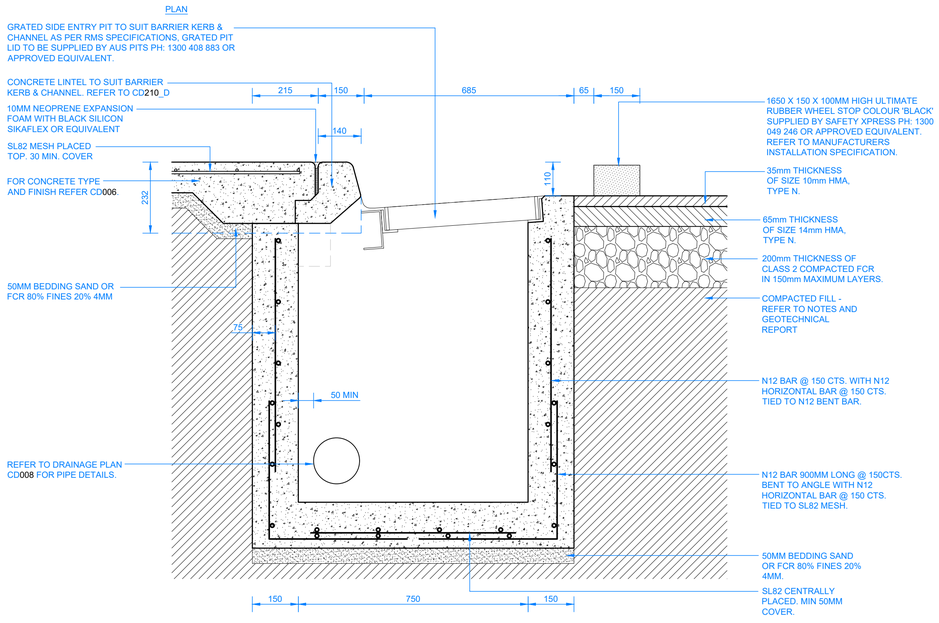


B 210 ASPHALT / BARRIER KERB - TYPICAL DETAIL
SCALE 1:10

NOTE:
1. GRATED SIDE ENTRY PIT TO SUIT BARRIER KERB & CHANNEL AS PER RMS SPECIFICATIONS, SUPPLIED BY AUS PITS PH: 1300 408 883 OR APPROVED EQUIVALENT.



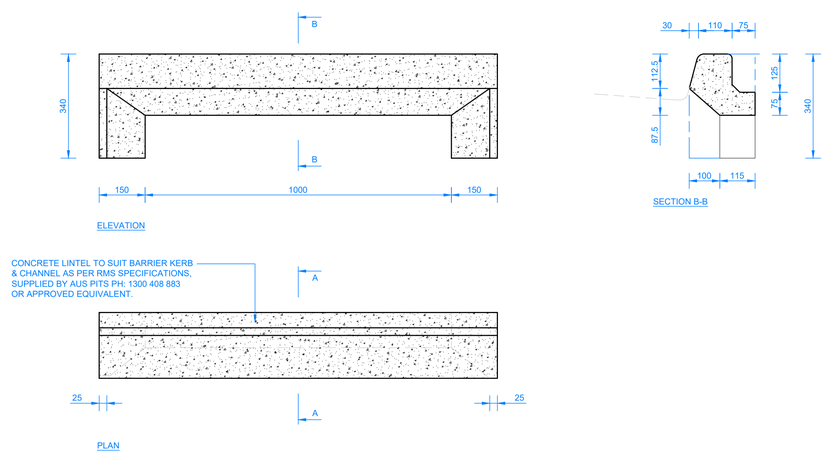
PLAN



SECTION A-A

C 210 GRATED SIDE ENTRY PIT 'BARRIER KERB' - TYPICAL DETAIL
SCALE 1:10

NOTE:
1. CONCRETE LINTEL TO SUIT BARRIER KERB & CHANNEL AS PER RMS SPECIFICATIONS, SUPPLIED BY AUS PITS PH: 1300 408 883 OR APPROVED EQUIVALENT.



ELEVATION

SECTION B-B

PLAN

D 210 LINTEL 'BARRIER KERB & CHANNEL' - TYPICAL DETAIL
SCALE 1:10

- WARNING -
CONTRACTOR TO VERIFY LOCATION; DEPTH/CLEARANCE AND ALIGNMENT OF OVERHEAD AND UNDERGROUND SERVICES. CONTRACTOR TO ACQUIRE CURRENT AND RELEVANT 'DIAL BEFORE YOU DIG/ONE CALL' SERVICES DRAWINGS AND ADHERE TO ALL REQUIREMENTS FOR WORKS NEAR SERVICES INCLUDING CLEARANCES, EASEMENTS AND INFORMING SERVICE AUTHORITIES PRIOR TO COMMENCEMENT OF WORKS. THE LOCATIONS OF UNDERGROUND SERVICES INDICATED IN THIS SET OF DRAWINGS ARE INDICATIVE ONLY. PIT LOCATIONS HAVE BEEN SURVEYED BY A LICENSED SURVEYOR.

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NOTES / LEGEND:

ENGINEERING NOTES:

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REINFORCEMENT:

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CLIENT NAME:

INNER WEST COUNCIL
7-15 Wetherill Street, Leichhardt
NSW 2040

PROJECT NAME:

LEICHHARDT PARK SKATE PARK
70 Mary Street,
Lilyfield NSW 2040

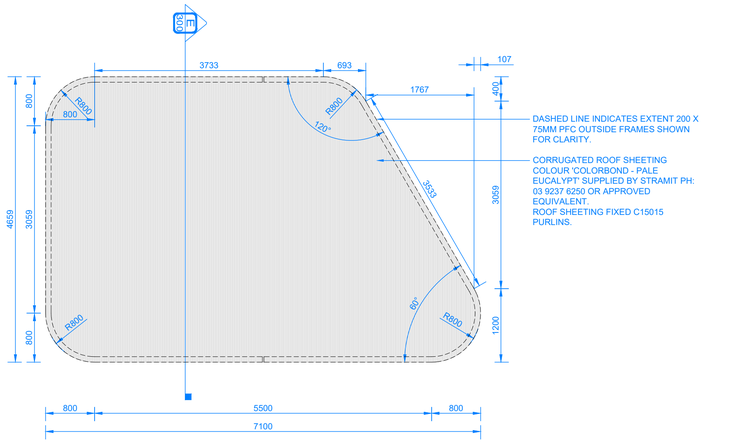
DRAWING TITLE:

Carpark Details 01

SCALE:	N/A	**DATE OF ISSUE:**	18.01.2022
FORMAT / SIZE:	A1	**REFERENCE NO:**	1821
DESIGN REVIEW:	ND	**APPROVAL:**	JM

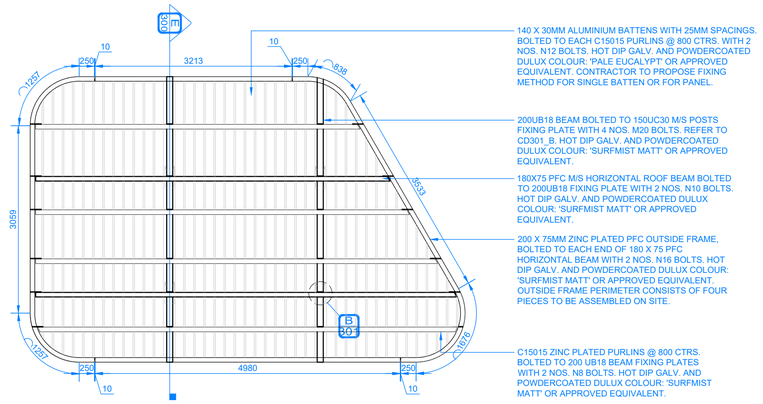
DRAWING NUMBER: 1821_CD 210

REVISION: 05



A 300 SHELTER CANOPY - PLAN

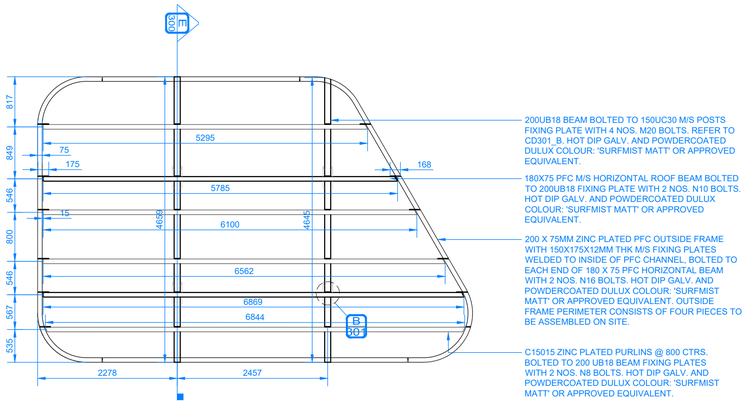
SCALE 1:50



B 300 SHELTER CANOPY STRUCTURAL - PLAN

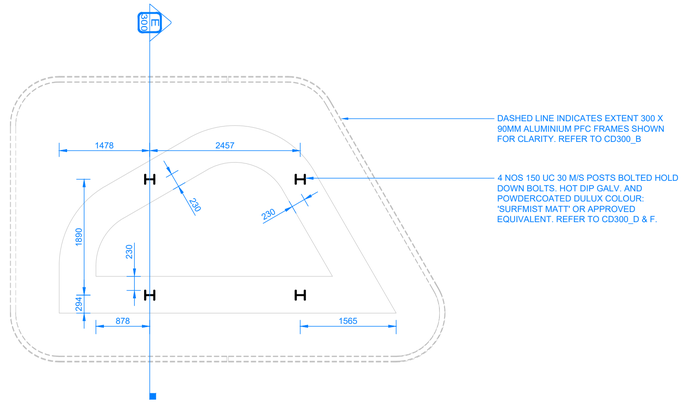
SCALE 1:50

NOTE:
CONTRACTOR TO PROVIDE SHOP DRAWINGS OF SHELTER FOR APPROVAL BY SUPERINTENDENT PRIOR TO FABRICATION.



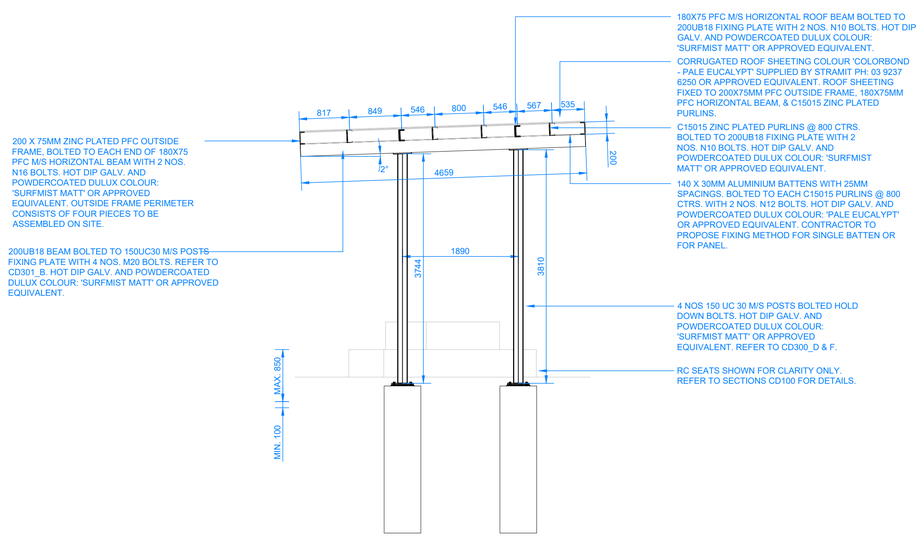
C 300 BEAMS, JOISTS AND PURLIN DIMENSIONS

SCALE 1:50



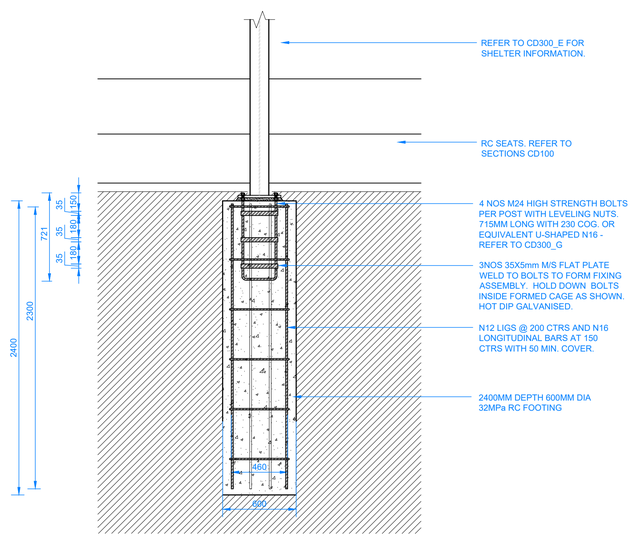
D 300 BEAMS, JOISTS AND PURLIN DIMENSIONS

SCALE 1:50



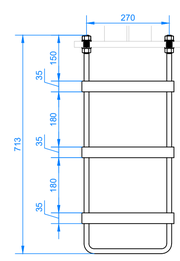
E 300 SHELTER - SECTION A-A

SCALE 1:50



F 300 SHELTER FOOTING TYPICAL DETAIL

SCALE 1:25



G 300 HOLD DOWN BOLT - SIDE ELEVATION

SCALE 1:10

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FOR COMMENT

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CLIENT NAME:

INNER WEST COUNCIL
7-15 Wetherill Street, Leichhardt
NSW 2040

PROJECT NAME:

LEICHHARDT PARK SKATE PARK
70 Mary Street,
Lilyfield NSW 2040

DRAWING TITLE:

Steel Shelter Details 01

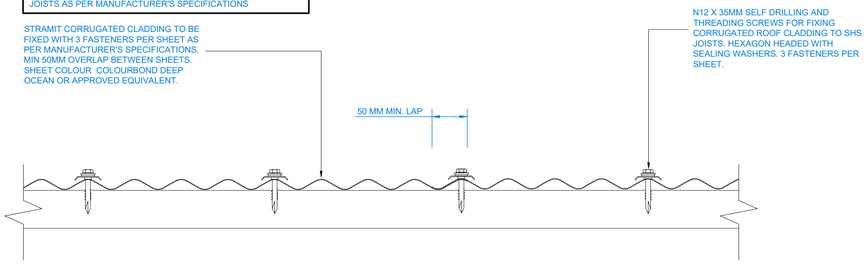
SCALE:	N/A	**DATE OF ISSUE:**	18.01.2022
FORMAT / SIZE:	A1	**REFERENCE NO:**	1821
DESIGN REVIEW:	ND	**APPROVAL:**	JM

DRAWING NUMBER: 1821_CD 300

REVISION: 05

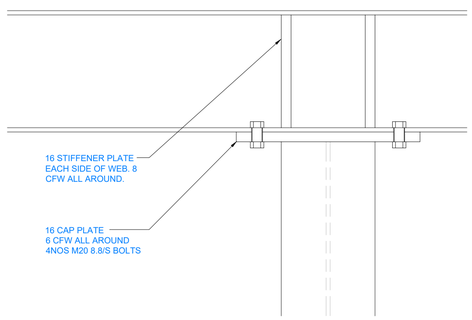
NOTE:
1. ALL FASTENING SCREWS MUST CONFROM TO AS3566 - CLASS 3, HEXAGON HEADED WITH SEALING WASHERS.

2. STRAMIT CORRUGATED CLADDING TO BE FIXED AT EACH SHS JOISTS AS PER MANUFACTURER'S SPECIFICATIONS



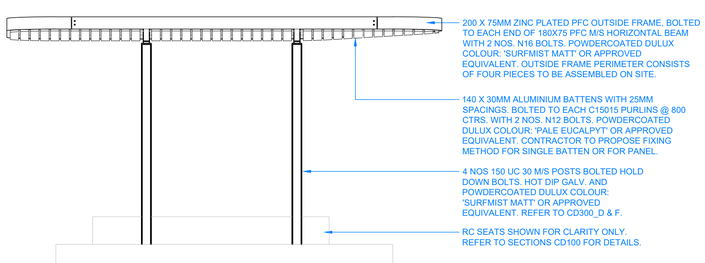
A 301 ROOF PANEL LAPPING DETAIL

SCALE 1:5



B 301 COLUMN AND BEAM CONNECTION

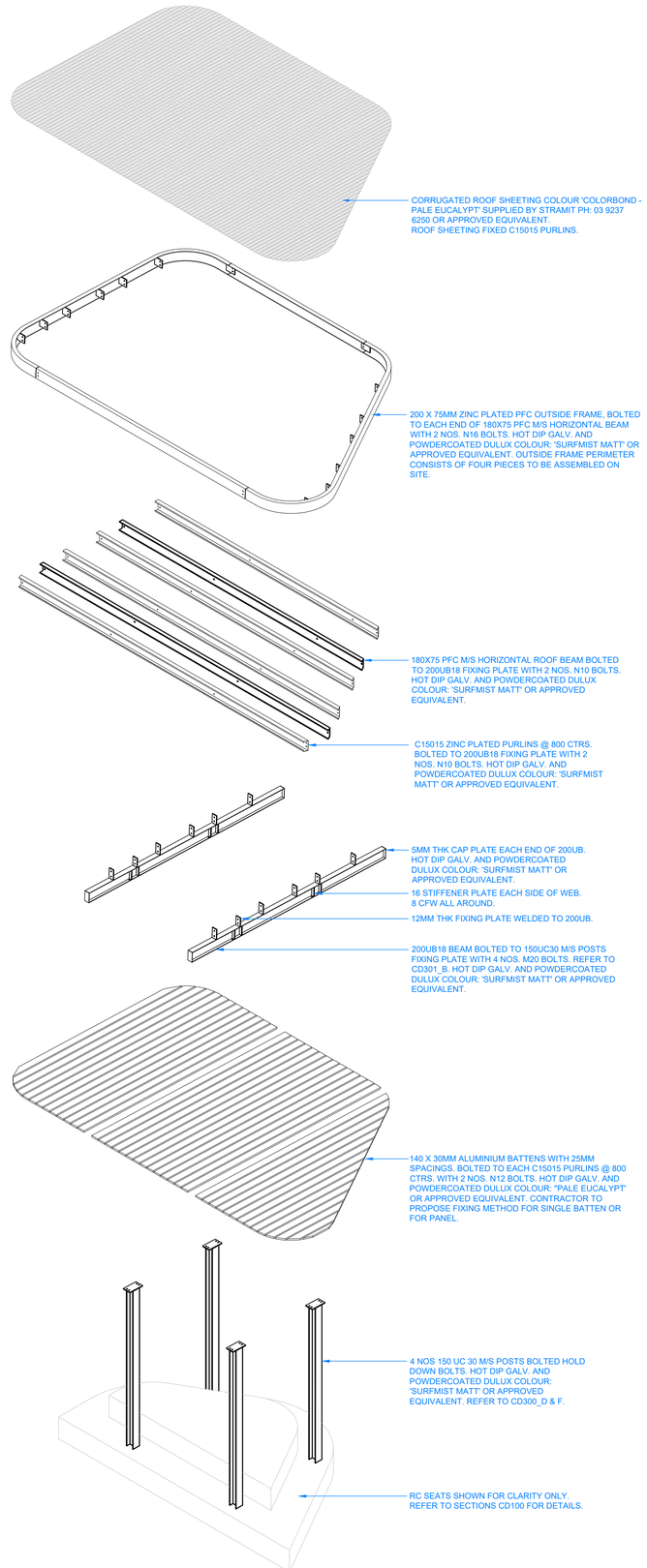
SCALE 1:5



F 301 ASSEMBLED SHELTER - FRONT ELEVATION

SCALE 1:50

NOTE:
CONTRACTOR TO PROVIDE SHOP DRAWINGS OF SHELTER FOR APPROVAL BY SUPERINTENDENT PRIOR TO FABRICATION.



G 301 SHELTER - COMPONENTS DIAGRAM

SCALE 1:50

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DRAWING STATUS:

FOR COMMENT

REVISION STATUS:

05	For Comment	18.01.22
04	For Construction	27.08.21
03	For Construction	04.08.21
02B	For Review	25.06.21
02A	For Review	24.06.21

LANDSCAPE ARCHITECT CONSULTANT:

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NOTES / LEGEND:

ENGINEERING NOTES:

CONCRETE:

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2. CONCRETE THICKNESS 150MM SLOPES, 100MM PLATFORMS AND FLAT BOTTOM, UNO.
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CLIENT NAME:

INNER WEST COUNCIL
7-15 Wetherill Street, Leichhardt
NSW 2040

PROJECT NAME:

LEICHHARDT PARK SKATE PARK
70 Mary Street,
Lilyfield NSW 2040

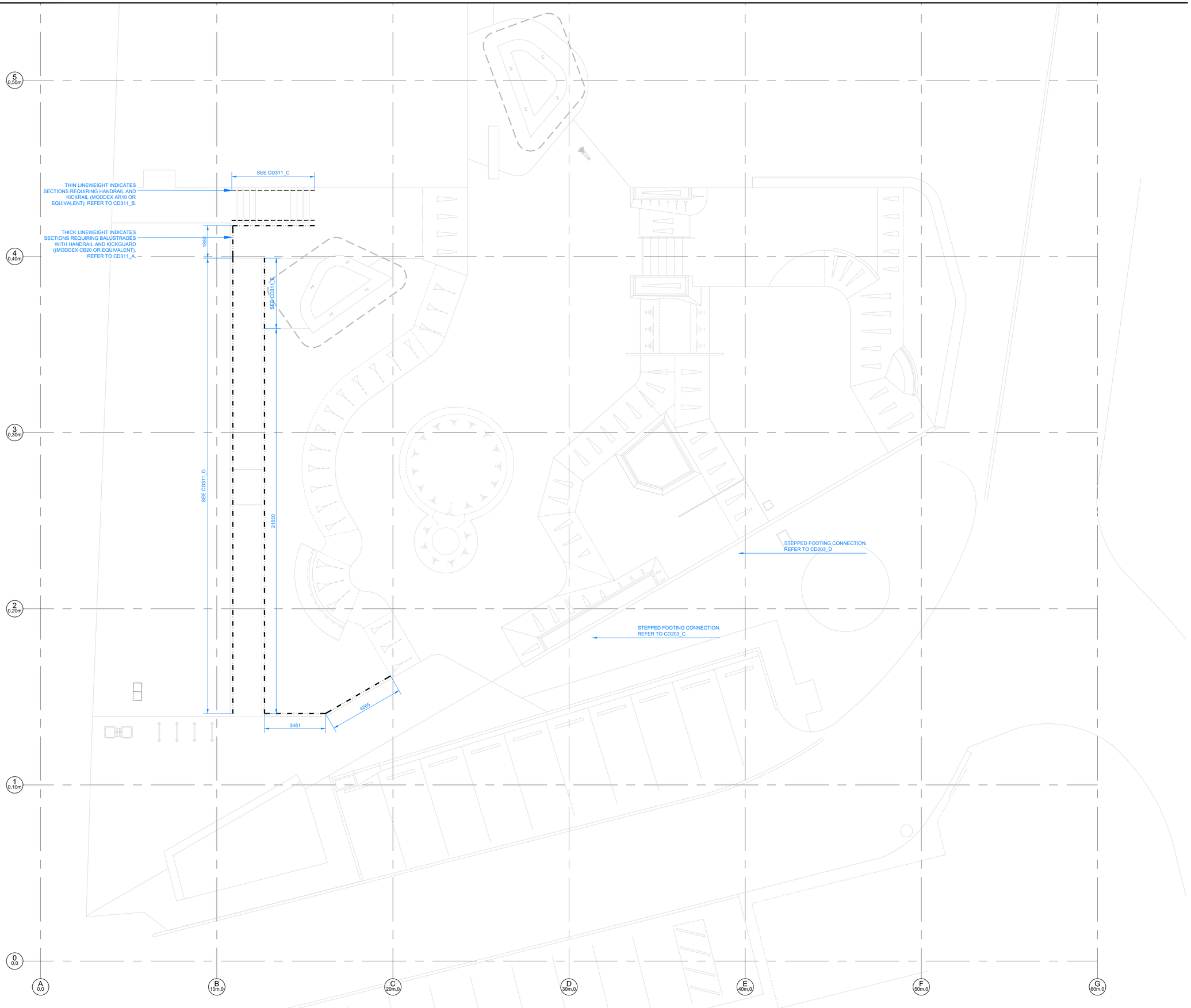
DRAWING TITLE:

Steel Shelter Details 02

SCALE:	N/A	**DATE OF ISSUE:**	18.01.2022
FORMAT / SIZE:	A1	**REFERENCE NO:**	1821
DESIGN REVIEW:	ND	**APPROVAL:**	JM

DRAWING NUMBER: 1821_CD 301

REVISION: 05



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FOR COMMENT

N

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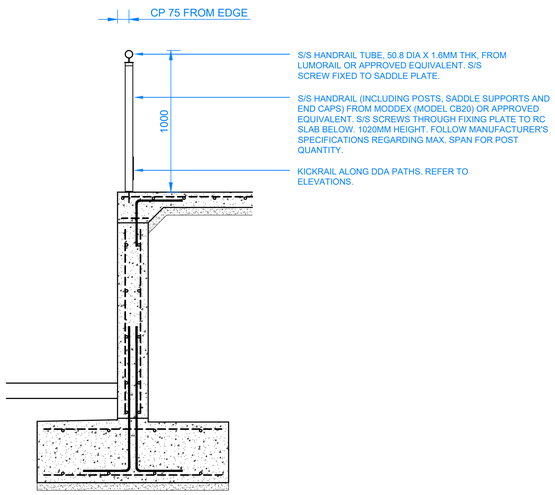
7-15 Wetherill Street, Leichhardt
NSW 2040

PROJECT NAME:
LEICHHARDT PARK SKATE PARK
70 Mary Street,
Lilyfield NSW 2040

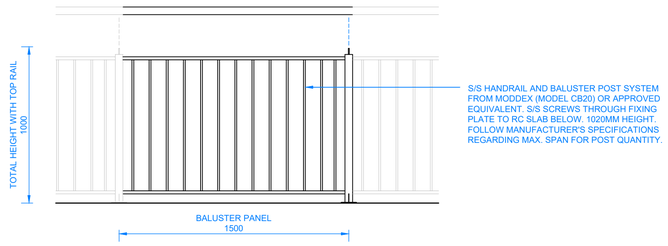
DRAWING TITLE:
Handrail/Balustrade Plan

SCALE:	1:100	**DATE OF ISSUE:**	18.01.2022
FORMAT / SIZE:	A1	**REFERENCE NO:**	1821
DESIGN REVIEW:	ND	**APPROVAL:**	JM

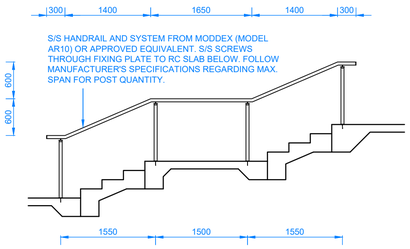
DRAWING NUMBER: 1821_CD 310
REVISION: 05



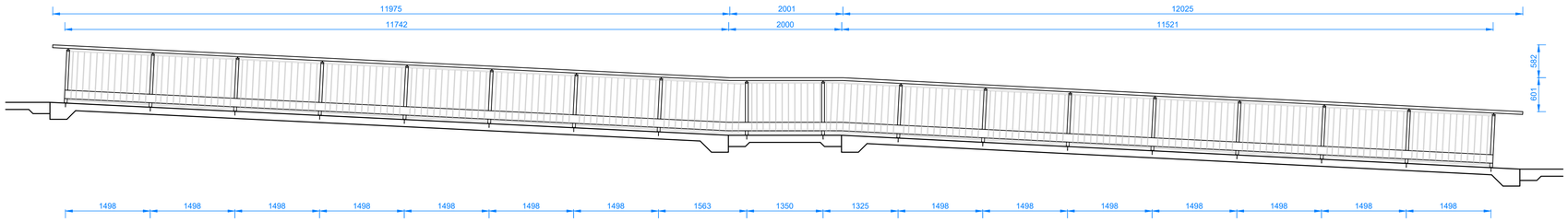
A 311 LUMORAIL HANDRAIL
SCALE 1:20



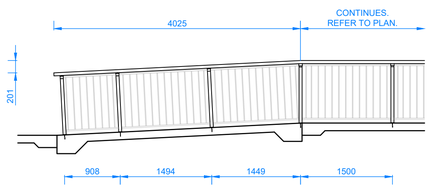
B 311 BALUSTRADE POST/BALUSTER SYSTEM
SCALE 1:20



C 311 HANDRAIL STAIRS
SCALE 1:50



D 311 HANDRAIL/KICKGUARD DDA RAMP
SCALE 1:50



E 311 BALUSTRADE DDA RAMP
SCALE 1:50

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NSW 2040

PROJECT NAME:

LEICHHARDT PARK SKATE PARK
70 Mary Street,
Lilyfield NSW 2040

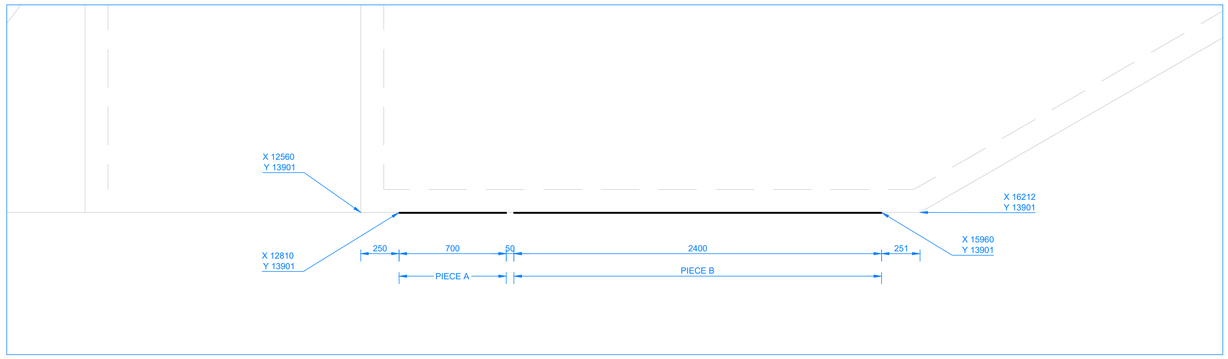
DRAWING TITLE:

Balustrade Details 01

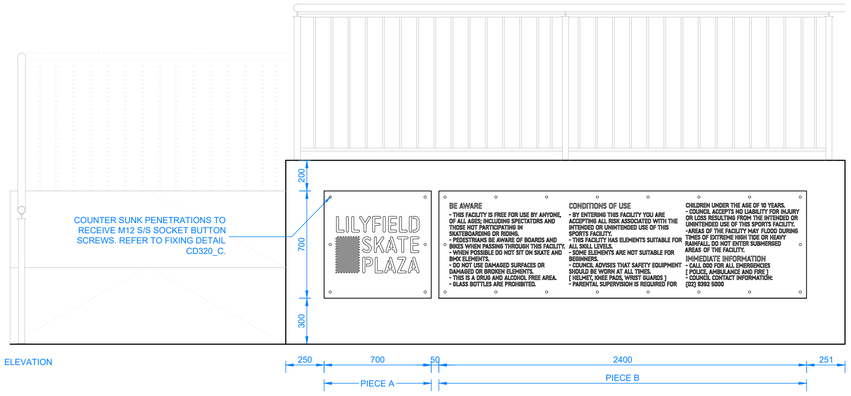
SCALE:	N/A	**DATE OF ISSUE:**	18.01.2022
FORMAT / SIZE:	A1	**REFERENCE NO:**	1821
DESIGN REVIEW:	ND	**APPROVAL:**	JM

DRAWING NUMBER: 1821_CD 311

REVISION: 05



PLAN



ELEVATION

A 320 M/S ENTRANCE SIGNAGE

SCALE 1:20

NOTE:
01. ALL 3mm THK BACKING SHEETS TO BE HOT DIP GALVANISED AND POWDER COATED. DULUX POWDERCOAT COLOUR 'WHITE' MATT.

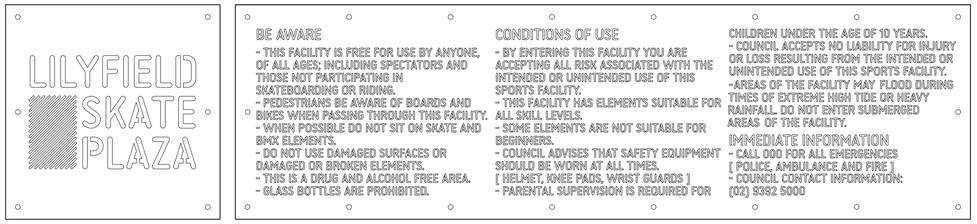
02. ALL 5mm THK OUTER LASER CUT PANELS TO BE HOT DIP GALVANISED AND POWDER COATED. DULUX POWDERCOAT COLOUR 'PALE EUCALYPT' MATT.

03. ALL M12 SOCKET BUTTON SCREWS TO BE HOT DIP GALVANISED AND POWDER COATED. DULUX POWDERCOAT COLOUR 'PALE EUCALYPT' MATT.

04. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO SUPERINTENDENT FOR APPROVAL PRIOR TO FABRICATION.

05. ELECTRONIC FILE TO BE PROVIDED BY ENLOCUS.

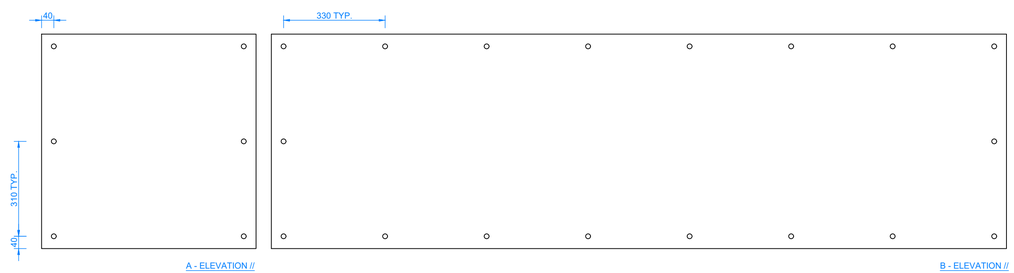
5mm THK OUTER LASER CUT PANELS. HOT DIP GALVANISED & POWDER COATED.



A - ELEVATION //

B - ELEVATION //

3mm THK BACKING SHEETS. HOT DIP GALVANISED & POWDER COATED. NOTE: BACKING SHEET PERIMETER DIMENSIONS OFFSET 10mm FROM OUT PANELS.

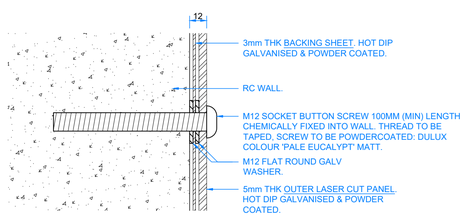


A - ELEVATION //

B - ELEVATION //

B 320 M/S STEEL PANEL SCHEDULE

SCALE 1:10



C 320 SIGNAGE FIXING TYPICAL DETAIL

SCALE 1:2

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PROJECT NAME:

LEICHHARDT PARK SKATE PARK
70 Mary Street,
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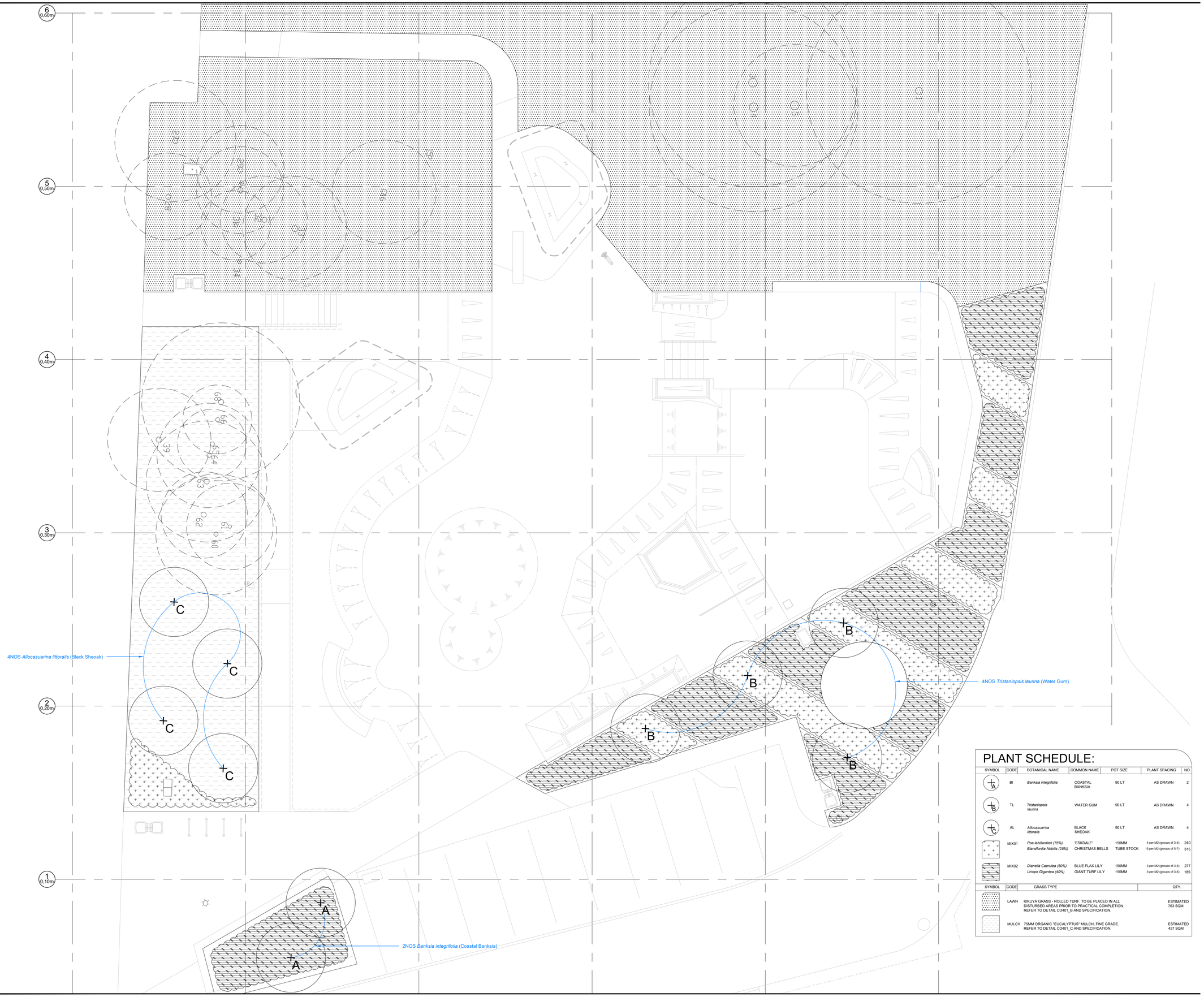
DRAWING TITLE:

Entrance Signage

SCALE:	N/A	**DATE OF ISSUE:**	18.01.2022
FORMAT / SIZE:	A1	**REFERENCE NO:**	1821
DESIGN REVIEW:	ND	**APPROVAL:**	JM

DRAWING NUMBER: 1821_CD 320

REVISION: 05



PLANT SCHEDULE:

SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	POT SIZE	PLANT SPACING	NO.
A	BI	*Banksia integrifolia*	COASTAL BANKSIA	90 LT	AS DRAWN	2
B	TL	*Tristaniopsis laurina*	WATER GUM	90 LT	AS DRAWN	4
C	AL	*Allocasuarina littoralis*	BLACK SHEOAK	90 LT	AS DRAWN	4
	MIX01	*Poa labillardieri (75%)*	'ESKDALE'	150MM	4 per M2 (groups of 3-5)	240
		Blandfordia Nobilis (25%)	CHRISTMAS BELLS	TUBE STOCK	15 per M2 (groups of 5-7)	315
	MIX02	*Dianella Caerulea (60%)*	BLUE FLAX LILY	150MM	3 per M2 (groups of 3-5)	277
		Liriope Gigantea (40%)	GIANT TURF LILY	150MM	3 per M2 (groups of 3-5)	185

SYMBOL	CODE	GRASS TYPE	QTY.
	LAWN	KIKUYA GRASS - ROLLED TURF. TO BE PLACED IN ALL DISTURBED AREAS PRIOR TO PRACTICAL COMPLETION. REFER TO DETAIL CD401_B AND SPECIFICATION.	ESTIMATED 763 SQM
	MULCH	75MM ORGANIC "EUCALYPTUS" MULCH, FINE GRADE. REFER TO DETAIL CD401_C AND SPECIFICATION.	ESTIMATED 457 SQM

- WARNING -
CONTRACTOR TO VERIFY LOCATION; DEPTH/CLEARANCE AND ALIGNMENT OF OVERHEAD AND UNDERGROUND SERVICES. CONTRACTOR TO ACQUIRE CURRENT AND RELEVANT 'DIAL BEFORE YOU DIG/ONE CALL' SERVICES DRAWINGS AND ADHERE TO ALL REQUIREMENTS FOR WORKS NEAR SERVICES INCLUDING CLEARANCES, EASEMENTS AND INFORMING SERVICE AUTHORITIES PRIOR TO COMMENCEMENT OF WORKS. THE LOCATIONS OF UNDERGROUND SERVICES INDICATED IN THIS SET OF DRAWINGS ARE INDICATIVE ONLY. PIT LOCATIONS HAVE BEEN SURVEYED BY A LICENSED SURVEYOR.

- SITE DIMENSIONS -
CONTRACTOR TO SATISFY THEMSELVES OF SITE CONDITIONS, CHANGES IN LEVEL AND DIMENSIONS PRIOR TO FABRICATION OF SITE SPECIFIC ITEMS OR PRIOR TO ORDERING/PURCHASING MATERIALS. WHERE DISCREPANCIES EXIST BETWEEN DRAWINGS AND SITE CONDITIONS CONTRACTOR TO NOTIFY SUPERINTENDENT PRIOR TO COMMENCEMENT OF WORKS.

- COPYRIGHT AND INTELLECTUAL PROPERTY RIGHTS -
ENLOCUS RETAINS THE INTELLECTUAL PROPERTY RIGHT IN RELATION TO THE CONTRACT MATERIAL. THE DESIGN AS REPRESENTED BY THE DRAWING SET AND ALL DETAILS, INGENUITY AND INNOVATION REMAIN THE PROPERTY OF ENLOCUS. REFER TO CONTRACT FOR IRREVOCABLE LICENSE GRANTED TO THE CLIENT AND COPYRIGHT ARRANGEMENT. **© ENLOCUS 2019**

DRAWING STATUS:

FOR COMMENT

N

REVISION STATUS:

05	For Comment	18.01.22
04	For Construction	27.08.21
03	For Construction	04.08.21
02B	For Review	25.06.21
02A	For Review	24.06.21

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www.matrixgroup.net.au

LIGHTING & ELECTRICAL:
WEBB AUSTRALIA GROUP
Level 6, 128 Exhibition St
Melbourne VIC 3000
Tel : +613 9652 0333
www.webbaustralia.com.au

NOTES / LEGEND:

PLANTING NOTES:

01. CONTRACTOR TO VERIFY LOCATION; DEPTH/CLEARANCE AND ALIGNMENT OF ALL OVERHEAD AND UNDERGROUND SERVICES INDICATED ON CURRENT AND RELEVANT 'DIAL BEFORE YOU DIG/ONE CALL' SERVICES DRAWINGS.CONTRACTOR TO REQUEST ADDITIONAL SERVICES RECORDS FROM COUNCIL. WHERE SERVICES ACCESS PITS, LIGHT POLES, METRES/VALVES ETC EXIST ON SITE CONTRACTOR TO ASSUME GENERAL ALIGNMENT OF UNDERGROUND PIPES, CONDUITS, CABLES ETC AND VERIFY ALIGNMENT AND MARK ON SITE PRIOR TO COMMENCEMENT OF WORKS.

02. LICENSED SURVEYOR TO BE USED TO LOCATE HEIGHT DATUM & SET OUT POINT AS SHOWN ON DRAWINGS PRIOR TO COMMENCEMENT OF WORKS. CONTRACTOR TO INFORM SUPERINTENDENT OF ANY DISCREPANCIES PRIOR TO COMMENCING WORKS.

03. STOCK PILED SITE TOPSOIL TO BE USED WHERE APPROVED BY SUPERINTENDENT. STOCK PILED TOPSOIL TO BE CLEARED OF VEGETATIVE MATTER AND DEBRIS.

PLANTING LEGEND:

	PROTECT AND RETAIN ALL NOMINATED VEGETATION (TREES AND SHRUBS) FOR THE DURATION OF WORKS ON SITE. CONTRACTOR TO SUBMIT A WORKS METHOD STATEMENT FOR THE PROTECTION OF TREES AND ROOT ZONES MARKED ON SITE PLAN AS 'SIGNIFICANT'.		
+ 2.15	EXISTING SPOT LEVEL	3.000	PROPOSED SPOT LEVEL
2.00	EXISTING CONTOUR - MAJOR	3.00	PROPOSED CONTOUR - MAJOR
	EXISTING CONTOUR - MINOR	3.20	PROPOSED CONTOUR - MINOR
T	UNDERGROUND TELECOM	V	WATER MAIN
	POWER LINE		OVERHEAD POWER LINE
S	STORMWATER LINE	Sewer	SEWER MAIN
G	GAS LINE	TPIT	TELECOM PIT
		TPIL	TELECOM PILLAR
	FENCE LINE	EPIT	ELECTRICAL PIT
		EP	POWER POLE
	LOT BOUNDARY	EL	LIGHT POLE
		SW	STORMWATER MANHOLE
35000	SET OUT OF GRID POINT 182 FROM KNOWN B.M OR CORNER OF NOMINATED PERMANENT INFRASTRUCTURE.		

CLIENT NAME:

INNER WEST COUNCIL
7-15 Wetherill Street, Leichhardt
NSW 2040

PROJECT NAME:

LEICHHARDT PARK SKATE PARK
70 Mary Street,
Lilyfield NSW 2040

DRAWING TITLE:

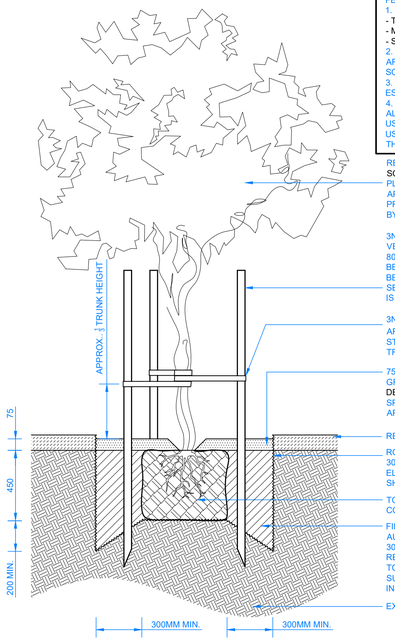
Planting Plan

SCALE:	1:100	**DATE OF ISSUE:**	18.01.2022
FORMAT / SIZE:	A1	**REFERENCE NO:**	1821
DESIGN REVIEW:	ND	**APPROVAL:**	JM

DRAWING NUMBER: 1821_CD 400

REVISION: 05

NOTE:
FERTILIZER
1. NPK STARTER FERTILIZER 8.10.9 AT 4KG/100 SQ.M.
- TRACE ELEMENT MIX MICROMAX 3KG/100 SQ.M.
- MAGNESIUM SULPHATE 3KG/100 SQ.M.
- SUPERPHOSPHATE 1.5KG/100 SQ.M.
2. AT PLANTING APPLY TO THE SURFACE OF THE LAWN AREA NPK 16.4.14 OR SIMILIAR FERTILIZER AT 3KG/100 SQ.M.
3. APPLY THE ABOVE EVERY 4 WEEKS FOR THE INITIAL ESTABLISHMENT PERIOD OF 3-4 MONTHS.
4. GENERAL NOTE ON FERTILIZERS: THERE MAY BE ALTERNATIVE FERTILIZER MATERIALS THAT COULD BE USED INSTEAD OF THE PRODUCTS LISTED ABOVE. THE USE OF ALTERNATIVES WILL REQUIRE REASSESSMENT OF THE RATE AND FREQUENCY OF APPLICATIONS.



REFER LANDSCAPE PLAN AND PLANTING SCHEDULE FOR SPECIES SELECTION. TREE PLANTED WITH VERTICAL ALIGNMENT, APPROVED BY SUPERINTENDENT. PRUNE DAMAGED/DEAD FOLIAGE AS DIRECTED BY SUPERINTENDENT.

3Nos. 50X50X2400MM HARDWOOD STAKES, SET VERTICALLY AND CLEAR OF ROOTBALL AND MIN 800MM INTO GROUND.TO 150MM OF STAKES TO BE PAINT FOR PRESERVATION. STAKES ARE TO BE OFFSET FROM THE NEAREST UNDERGROUND SERVICES A MIN 200MM TO ENSURE NO DAMAGE IS CAUSED TO UNDERGROUND SERVICES.

3Nos. 50MM WIDE HESSIAN TIES WRAPPED AROUND TRUNK @ ½ TREE HEIGHT AND STAPLED/NAILED TO STAKES ALLOWING SOME TRUNK MOVEMENT.

75MM ORGANIC "EUCALYPTUS" MULCH. FINE GRADE, GRADED TO BAS OF TRUNK. REFER TO DETAIL CD401_C. CONTRACTOR TO PROVIDE SPECIFICATION TO SUPERINTENDENT FOR APPROVAL PRIOR TO INSTALLATION.

REFER SURFACE FINISH PLAN [CD006].

ROOTBALL HOLE TO HAVE CULTIVATED EDGE MIN 300MM FROM ROOTBALL. ROOTBALL TO SIT ELEVATED MIN. 200MM FROM BASE OF HOLE, AS SHOWN.

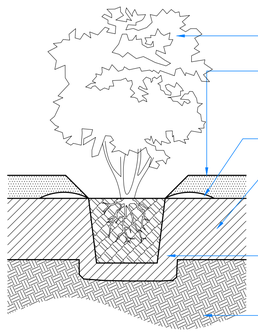
TOP OF ROOTBALL TO BE SET LEVEL WITH COMPACTED CLEAN FILL.

FILL WITH APPROVED IMPORTED SOIL OR AUGMENTED NATIVE EXCAVATED SOIL OR WITH 30% ORGANIC MULCH AND ORGANIC MANURE, REMOVE ALL RUBBLE AND DEBRIS. CONTRACTOR TO PROVIDE SPECIFICATION TO SUPERINTENDENT FOR APPROVAL PRIOR TO INSTALLATION.

EXISTING SUBGRADE

A 401 LARGE TREE - TYPICAL DETAIL
SCALE 1:20

NOTE:
FERTILIZER
1. NPK STARTER FERTILIZER 8.10.9 AT 4KG/100 SQ.M.
- TRACE ELEMENT MIX MICROMAX 3KG/100 SQ.M.
- MAGNESIUM SULPHATE 3KG/100 SQ.M.
- SUPERPHOSPHATE 1.5KG/100 SQ.M.
2. AT PLANTING APPLY TO THE SURFACE OF THE LAWN AREA NPK 16.4.14 OR SIMILIAR FERTILIZER AT 3KG/100 SQ.M.
3. APPLY THE ABOVE EVERY 4 WEEKS FOR THE INITIAL ESTABLISHMENT PERIOD OF 3-4 MONTHS.
4. GENERAL NOTE ON FERTILIZERS: THERE MAY BE ALTERNATIVE FERTILIZER MATERIALS THAT COULD BE USED INSTEAD OF THE PRODUCTS LISTED ABOVE. THE USE OF ALTERNATIVES WILL REQUIRE REASSESSMENT OF THE RATE AND FREQUENCY OF APPLICATIONS.



REFER LANDSCAPE PLAN AND PLANTING SCHEDULE FOR SPECIES SELECTION.

75MM ORGANIC "EUCALYPTUS" MULCH, FINE GRADE, GRADED AS SHOWN FOR WATER CATCHMENT. CONTRACTOR TO PROVIDE SPECIFICATION TO SUPERINTENDENT FOR APPROVAL PRIOR TO INSTALLATION.

MOUNTED TOPSOIL BERM AROUND BASE OF SHRUB, AS SHOWN.

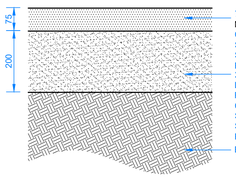
200MM IMPORTED TOPSOIL.. APPROVED ON SITE. REFER SPECIFICATIONS. CONTRACTOR TO PROVIDE SPECIFICATION TO SUPERINTENDENT FOR APPROVAL PRIOR TO INSTALLATION.

FILL WITH APPROVED IMPORTED SOIL OR AUGMENTED NATIVE EXCAVATED SOIL OR WITH 30% ORGANIC MULCH AND ORGANIC MANURE, REMOVE ALL RUBBLE AND DEBRIS. CONTRACTOR TO PROVIDE SPECIFICATION TO SUPERINTENDENT FOR APPROVAL PRIOR TO INSTALLATION.

EXISTING SUBGRADE

B 401 SHRUB - TYPICAL DETAIL
SCALE 1:10

NOTE:
FERTILIZER
1. NPK STARTER FERTILIZER 8.10.9 AT 4KG/100 SQ.M.
- TRACE ELEMENT MIX MICROMAX 3KG/100 SQ.M.
- MAGNESIUM SULPHATE 3KG/100 SQ.M.
- SUPERPHOSPHATE 1.5KG/100 SQ.M.
2. AT PLANTING APPLY TO THE SURFACE OF THE LAWN AREA NPK 16.4.14 OR SIMILIAR FERTILIZER AT 3KG/100 SQ.M.
3. APPLY THE ABOVE EVERY 4 WEEKS FOR THE INITIAL ESTABLISHMENT PERIOD OF 3-4 MONTHS.
4. GENERAL NOTE ON FERTILIZERS: THERE MAY BE ALTERNATIVE FERTILIZER MATERIALS THAT COULD BE USED INSTEAD OF THE PRODUCTS LISTED ABOVE. THE USE OF ALTERNATIVES WILL REQUIRE REASSESSMENT OF THE RATE AND FREQUENCY OF APPLICATIONS.



75MM ORGANIC "EUCALYPTUS" MULCH. FINE GRADE. CONTRACTOR TO PROVIDE SPECIFICATION TO SUPERINTENDENT FOR APPROVAL PRIOR TO INSTALLATION.

200MM IMPORTED TOPSOIL(SANDY LOAM) WITH INCORPORATION FERTILIZER. CONTRACTOR TO PROVIDE SPECIFICATION TO SUPERINTENDENT FOR APPROVAL PRIOR TO INSTALLATION.

EXISTING SUBGRADE.

C 401 MULCH - TYPICAL DETAIL
SCALE 1:10

NOTE:
FERTILIZER
1. NPK STARTER FERTILIZER 8.10.9 AT 4KG/100 SQ.M.
- TRACE ELEMENT MIX MICROMAX 3KG/100 SQ.M.
- MAGNESIUM SULPHATE 3KG/100 SQ.M.
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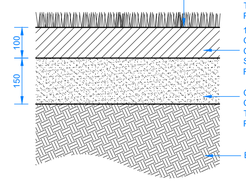

KIKUYU SEED BLEND ROLLED TURF INCLUDING PREPARATION FERTILIZER AS SPECIFIED. CONTRACTOR TO PROVIDE SPECIFICATION TO SUPERINTENDENT FOR APPROVAL PRIOR TO INSTALLATION.

100MM IMPORTED TOPSOIL. APPROVED ON SITE. REFER SPECIFICATIONS. CONTRACTOR TO PROVIDE SPECIFICATION TO SUPERINTENDENT FOR APPROVAL PRIOR TO INSTALLATION.

CULTIVATED LAWN AREA TO 150MM DEPTH. CONTRACTOR TO PROVIDE SPECIFICATION TO SUPERINTENDENT FOR APPROVAL PRIOR TO INSTALLATION.

EXISTING SUBGRADE.

D 401 ROLLED GRASS TURF - TYPICAL DETAIL
SCALE 1:10

- WARNING -
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CONTRACTOR TO SATISFY THEMSELVES OF SITE CONDITIONS, CHANGES IN LEVEL AND DIMENSIONS PRIOR TO FABRICATION OF SITE SPECIFIC ITEMS OR PRIOR TO ORDERING/PURCHASING MATERIALS. WHERE DISCREPANCIES EXIST BETWEEN DRAWINGS AND SITE CONDITIONS CONTRACTOR TO NOTIFY SUPERINTENDENT PRIOR TO COMMENCEMENT OF WORKS.

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DRAWING STATUS:

FOR COMMENT

REVISION STATUS:

05	For Comment	18.01.22
04	For Construction	27.08.21
03	For Construction	04.08.21
02B	For Review	25.06.21
02A	For Review	24.06.21

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Kellor Park, Victoria 3042
Tel : +613 9331 7522
www.matrixgroup.net.au

LIGHTING & ELECTRICAL:
WEBB AUSTRALIA GROUP
Level 6, 128 Exhibition St
Melbourne VIC 3000
Tel : +613 9652 0333
www.webbaustralia.com.au

NOTES / LEGEND:

PLANTING NOTES:

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03. STOCK PILED SITE TOPSOIL TO BE USED WHERE APPROVED BY SUPERINTENDENT. STOCK PILED TOPSOIL TO BE CLEARED OF VEGETATIVE MATTER AND DEBRIS.

CLIENT NAME:
INNER WEST COUNCIL
7-15 Wetherill Street, Leichhardt
NSW 2040

PROJECT NAME:
LEICHHARDT PARK SKATE PARK
70 Mary Street,
Lilyfield NSW 2040

DRAWING TITLE:
Planting Details 01

SCALE:	N/A	**DATE OF ISSUE:**	18.01.2022
FORMAT / SIZE:	A1	**REFERENCE NO:**	1821
DESIGN REVIEW:	ND	**APPROVAL:**	JM

DRAWING NUMBER: 1821_CD 401
REVISION: 05

Appendix B: Figures from Assessment Report

A4

PROJECT No.	**C201016**
FILE NAME	**F001**
DATE	**15.06.21**
DRAWN	**RR**
APPROVED	**RO**

SOURCE: GOOGLE MAPS

CLIENT
SJB PLANNING on behalf of INNER WEST COUNCIL

PROJECT
ASSESSMENT OF SURFACE AND SUB-SURFACE CONDITIONS, PROPOSED LILYFIELD SKATE PLAZA, 38 FRAZER STREET, LILYFIELD NSW

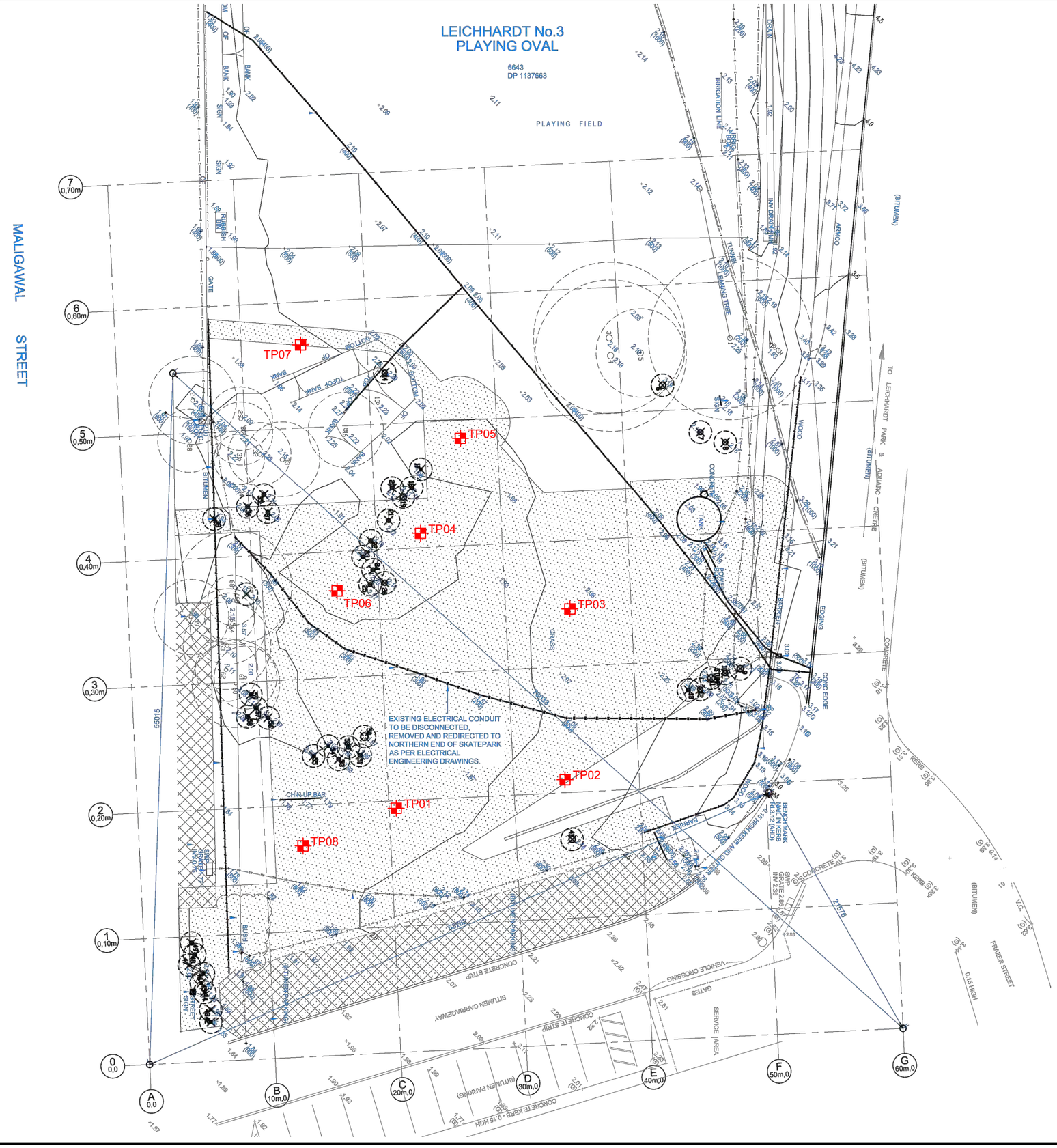
TITLE
SITE LOCATION

FIGURE No.
1

CONSARA

Plotted By: robre Plot Date: 15/06/21 - 12:15 Cad File: C:_CONSARA\C201016_Lilyfield\FIGURES\C201016-F001.dwg

A3



PROJECT No.	C201016
FILE NAME	F002
DATE	15.06.21
DRAWN	RR
APPROVED	RO

LEGEND

TP01 TEST PIT LOCATION

DEMOLITION LEGEND

- HATCH INDICATES OUTLINE OF PROPOSED SKATEPARK. EXCAVATE TO REQUIRED DEPTH FOR PROPOSED WORKS. SEE ALSO NOTE 02.
- EXISTING ASPHALT PATH/PAVEMENT TO BE DEMOLISHED AND REMOVED
- REMOVE/RELOCATE/STORE STREET SIGN AS PER SUPERINTENDENT'S INSTRUCTIONS
- TREE TO BE REMOVED, STUMP TO BE GROUND SMOOTH AND ALL WASTE TO BE REMOVED FROM SITE AND AREA MADE GOOD.
- PROTECT AND RETAIN ALL NOMINATED VEGETATION (TREES AND SHRUBS) FOR THE DURATION OF WORKS ON SITE. CONTRACTOR TO SUBMIT A WORKS METHOD STATEMENT FOR THE PROTECTION OF TREES AND ROOT ZONES MARKED ON SITE PLAN AS 'SIGNIFICANT'.
- 2.15 EXISTING SPOT LEVEL — 3.000 PROPOSED SPOT LEVEL
- 2.00 EXISTING CONTOUR - MAJOR — 3.00 PROPOSED CONTOUR - MAJOR
- EXISTING CONTOUR - MINOR — 3.20 PROPOSED CONTOUR - MINOR
- EXTENT OF WORKS.
- OUTLINE OF PROPOSED SKATEPARK

0 2.5 5 7.5 10 12.5
(metres)

CLIENT
SJB PLANNING on behalf of INNER WEST COUNCIL

PROJECT
ASSESSMENT OF SURFACE AND SUB-SURFACE CONDITIONS, PROPOSED LILYFIELD SKATE PLAZA, 38 FRAZER STREET, LILYFIELD NSW

TITLE
SAMPLING LOCATION PLAN

FIGURE No.
2

CONSARA