NSW Site Auditor Scheme

Site Audit Statement

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

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

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

Part I: Site audit identification

Site audit statement no. 2023/SY037

This site audit is a:

☑ statutory audit

☐ ~~non-statutory audit~~

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

Site auditor details

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

Name Mr Brad May

Company Epic Environmental Pty Ltd

Address Suite 5, Level 9, 189 Kent Street, Sydney NSW

Postcode 2000

Phone 1800 779 363, 0400 497 512

Email bmay@epicenvironmental.com.au

Site details

Address: City West Link, The Crescent, Chapman Road, Johnston Street, Annandale NSW

Postcode: 2038

Property description

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

Part Lot 20 Deposit Plan (DP) 1151746: Lots 21 and 22 DP 1151746:

Part Lot 4 DP 1209992: Part Lot 23 DP 1151746: Lot 20 DP 791554

Lots 1, 2 Lot 3 DP 827708: Part Lot 3 DP 827708: Lot 31 DP 1055559:

Part Lot 30 DP 1055559: Lot 10 DP 261985: Part Lot 5 DP 873379: The Crescent Roadway

Local government area Inner West Council

Area of site (include units, e.g. hectares) 21,882 m^2

Current zoning: Port and Employment Zone (Sydney Regional Environmental Plan No. 26 – City West)

Regulation and notification

To the best of my knowledge:

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

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

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

To the best of my knowledge:

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

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

Site audit commissioned by

Name: Charles Scarf

Company: John Holland CPB Contractors Joint Venture

Address: 84 Lilyfield Road, Rozelle

Postcode: 2039

Phone: 0438 247 725

Email: Charles.scarf@rozelleinterchange.com.au

Contact details for contact person (if different from above)

Name: Ciara Moriarty

Phone: 0417 738 136

Email: ciara.moriarty@rozelleinterchange.com.au

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

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

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

State Significant Infrastructure (SSI) 7485, issued 17 April 2018, Conditions of Approval for the WestConnex Stage 3B Rozelle Interchange, conditions relating to contaminated sites (E181 to E185) and waste (E202 to E203).

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

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

Purpose of site audit

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

~~Intended uses of the land:~~

OR

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

Intended uses of the land: Road reserve, pedestrian, and bicycle pathways (including a footbridge at Buruwan Park) and minor landscape open space areas.

~~OR~~

~~(Tick all that apply)~~

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

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

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

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

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

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

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

~~Intended uses of the land:~~

Information sources for site audit

Consultancies which conducted the site investigations and/or remediation:

AECOM, Ramboll, WSP

Titles of reports reviewed:

- Ramboll 2019, 'WestConnex Stage 3B – Rozelle Interchange Contaminated Land – Sampling and Analysis Plan (SAQP)'. Revision D2, August 2019, (Ramboll SAQP 2019), Appendices K, O and P. August 2019.
- Ramboll 2019a, 'Underground Storage Tank Removal Technical Guidance Note, WestConnex Stage 3B Rozelle Interchange'. June 2019.

- WSP 2020, Work Plan – Sub Site Area – Crescent West. PS117368-CLM-LTR-WP-CRW, Revision B. 16 Mar 2020. 16 Mar 2020.
- WSP 2020a, Work Plan – Sub Site Area – Crescent Civil Site. PS117368-CLM-LTR-WP-Crescent Civil Site, PS117368-CLM-LTR-WP-Crescent Civil Site, Revision B. 28 Mar 2020.
- WSP 2021a, WestConnex Stage 3B - Rozelle Interchange, Sub Site Area - Crescent West (Buruwan Park), Detailed Site Investigation (DSI). PS117368-CLM-REPBuruwanPark, Revision D. 25 Nov 2021.
- WSP 2021b, WestConnex Stage 3B – Rozelle Interchange – Sub Site Area – Crescent Civil – Detailed Site Investigation. Ref: PS117368-CLM-REP Crescent Civil, Revision D. 15 Jul 2021.
- WSP 2022, City West Link UST – Sampling and Validation Report. PS117368-CLM-REP-CWL UST, Revision D. 28 Feb 2022.
- WSP 2022a, *WestConnex Stage 3b – Rozelle, Interchange Subsite Area – City West Link (CWL), Site Status and Hydrogeology Report*. PS117368-CLM-REPCWL, Revision E. 31 Oct 2023.
- WSP 2023, Validation Report – WestConnex Stage 3B Sub-Site – The Crescent. PS117368-CLM-REP-CWL VAL RevD Final. 22 Nov 2023
- WSP 2023a, Long Term Environmental Management Plan – Various Lots, The Crescent, Annandale and Rozelle, NSW. PS117368-CLM-REP-CWL EMP RevE. 17 Nov 2023.

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

- AECOM 2016, 'WestConnex M4-M5 Link Rozelle Interchange, Stage 1 Preliminary Site Investigation '. Ref: M4M5-REP-4000-EN-030A. 19 May 2016.

Site audit report details

Title: WestConnex Stage 3B Rozelle, City West Link – Site Audit Report – 2023/ SY037, City West Link. SY180068.01, 27 November 2023.

Report no. SY180068.01_RepSAR_SY037_CityWWestLink_Rev0 Date 27 November 2023

Part II: Auditor's findings

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

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

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

Section A1

I certify that, in my opinion:

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

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

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

_____

OR

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

Overall comments:

_____

_____

_____

_____

_____

_____

Section A2

I certify that, in my opinion:

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

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

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

  Roadway, footpath, cycleway

EMP details

Title: Long Term Environmental Management Plan, Various Lots, The Crescent, Annandale and Rozelle, NSW Ref: PS117368-CLM-REP-CWL EMP RevE Final

Author: WSP

Date: 17 November 2023 No. of pages 89

EMP summary

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

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

- ❑ requires operation and/or maintenance of **active** control systems[3]
- ☑ requires maintenance of **passive** control systems only[3].

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

Purpose of the EMP:

The purpose of the Long-Term Environmental Plan (LTEMP) is to manage potential adverse health and environmental impacts associated with residual soil contamination at the site. The LTEMP provides the passive management requirements to ensure the longevity of the installed capping system and pavement and to ensure any works that penetrate the capping system are appropriately controlled.

Description of the nature of the residual contamination:

Soils containing polycyclic aromatic hydrocarbons (PAHs), heavy metals and asbestos was identified at the Crescent Civil sub-site at concentrations requiring management under the LTEMP.

Summary of the actions required by the EMP:

- Environmental awareness and training
- 6-monthly visual inspections of capped areas
- Maintenance of capping
- Sets out imported fill and VENM testing and validation requirements
- Controls to be applied during minor sub-surface works (not involving breaching of capping layer)
- Management controls for observed breaches of containment (either hardstand or capped landscaped areas)
- Sets out procedures for subsurface works reinstatement to ensure protection of workers and future site users
- Sets out Unexpected finds protocols
- Incident and emergency procedures
- Provides complaint and environmental incident procedures and register
- Reporting and LTEMP review requirements

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

The Environmental Planning and Assessment Act 1979 (EP&A Act) and State Environmental Planning Policy (Resilience and Hazards) 2021 (Resilience and Hazards SEPP) provides the primary mechanism for ensuring the LTEMP is enforced with respect to changes in the allowable land uses or material alterations to the site and surrounds. Future redevelopment work at the site is significant enough to require consent from the local council (Inner West Council) under the EP&A Act, which provides an avenue for enforcement as Council may require adoption of this LTEMP as a condition of development consent for the site.

The site owner (Transport for NSW) will be responsible for routine monitoring and maintenance of the LTEMP areas.

How there will be appropriate public notification:

As per condition E183 of the infrastructure approval, the Secretary of the NSW Department of Planning and Environment (or nominee) and Inner West Council (Council) are also to be provided a copy of the site audit statement. Council must provide a notification of the existence of the audit on the planning certificate/s for the site issued under section 10.7 of the EP&A Act.

Overall comments:

Section B

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

I certify that, in my opinion:

(B1)

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

AND/OR (B2)

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

AND/OR (B3)

- ☐ The site testing plan:
  - ☐ **is** appropriate to determine
  - ☐ **is not** appropriate to determine

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

AND/OR (B4)

- ☐ The terms of the approved voluntary management proposal* or management order** (strike out as appropriate):
  - ☐ **have** been complied with
  - ☐ **have not** been complied with.

  *voluntary management proposal no.

  **management order no.

AND/OR (B5)

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

  (Tick all appropriate uses and strike out those not applicable.)
  - ☐ Residential, including substantial vegetable garden and poultry
  - ☐ Residential, including substantial vegetable garden, excluding poultry

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

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

_____

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

~~*Strike out as appropriate~~

~~Plan title~~

~~Plan author~~

~~Plan date~~ ~~No. of pages~~

~~SUBJECT to compliance with the following condition(s):~~

~~Overall comments:~~

Part III: Auditor's declaration

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

Accreditation no. 1603

I certify that:

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

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

Signed 

Date 27 November 2023

Part IV: Explanatory notes

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

How to complete this form

Part I

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

Part II

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

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

Section A1

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

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

Section A2

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

Environmental management plan

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

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

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

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

Active or passive control systems

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

Auditor's comments

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

Section B

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

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

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

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

Part III

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

Where to send completed forms

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

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

AND

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

SURVEYOR	SEAN FOLEY	GENERAL NOTES / REFERENCES	Rozelle Interchange WestConnex JOHN HOLLAND CPB CONTRACTORS	DO NOT SCALE	DISCIPLINE: SURV	ZONE: CWL	CATEGORY: LSC	DESIGN PACKAGE: 00_20	PLOT DATE: 29/11/23		
	PROJECT SURVEY MANAGER	FOR INFORMATION ONLY		DRAWN BY: SF	AUDIT BOUNDARY THE CRESCENT						
		AUDIT BOUNDARY : RED		COORDINATE SYSTEM: MGA94 Z56							
		PREPARED FOR: CIARA MORIARTY		HEIGHT DATUM: A.H.D							
SIGNATURE				SCALE AT ORIGINAL A3 SIZE: 1:1600	SHEET 1 of	1	REVISION				

Plotted: 001 at Wed Nov 29 19:16:52 2023

Project: C:\Users\sfoley\Documents_JHCPB WCX3B\Sean Foley's data\12D projects\3B CWL z20 MASTER SF v14

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JOHN HOLLAND CPB

LONG TERM ENVIRONMENTAL MANAGEMENT PLAN

VARIOUS LOTS
THE CRESCENT,
ANNANDALE AND
ROZELLE, NSW

NOVEMBER 2023

Question today
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John Holland CPB

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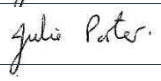
Sydney NSW 2000
GPO Box 5394
Sydney NSW 2001

Tel: +61 2 9272 5100
Fax: +61 2 9272 5101
wsp.com

REV	DATE	DETAILS
A	11/09/2023	Draft
B	23/10/2023	Updated draft to include Area 5
C	10/11/2023	Revised draft following IAA
D	14/11/2023	Revised draft following IAA
E	17/11/2023	Final

	NAME	DATE	SIGNATURE
Prepared by:	Matt Vanderheyden	17/11/2023	
Reviewed by:	Julie Porter	17/11/2023	
Approved by:	Julie Porter	17/11/2023	

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ABBREVIATIONS

CWL	City West Link
DSI	Detailed site investigation
EIL	Ecological investigation level
HIL	Health investigation level
LTEMP	Long term environmental management plan
mbgl	metres below ground level
NEPM	National Environment Protection (Assessment of Site Contamination) Measure 1999
NSW EPA	New South Wales Environment Protection Authority
PAH	Polycyclic aromatic hydrocarbon
POEO Act	Protection of the Environment Operations Act 1997
SWMS	Safe work method statement
TEQ	Toxic equivalence quotient
TfNSW	Transport for NSW
WCX3B	WestConnex Stage 3B
WHS	Work Health and Safety
WHT	Western harbour tunnel

1 INTRODUCTION

WSP Australia Pty Ltd (WSP) was commissioned by John Holland CPB Joint Venture (JHCPB) to prepare a long-term environmental management plan (LTEMP) for the City West Link (CWL) section of the WestConnex Stage 3B (WCX3B) Rozelle Interchange project. The portion of the CWL section pertaining to this LTEMP comprises the following areas (referred to collectively as 'the site'):

- Crescent Civil sub-site (east) – adjoining Rozelle Bay to the east;
- Buruwan Park sub-site (north-west) – adjoining City West Link roadway to the north and Sydney Light Rail corridor to the south/south-west; and
- Ancillary areas – comprises roadways, pedestrian and cycle paths, and open space/landscaped areas located outside of the Crescent Civil and Buruwan Park sub-site boundaries.

The site location (including sub-site areas) is shown on Figures 1 and 2 (Appendix A).

1.1 BACKGROUND

As part of the preliminary investigation planning for the WCX3B project, Ramboll Australia Pty Ltd (Ramboll) conducted a review of historical contamination data to determine contamination risk within the project footprint. The portion of the WCX3B project subject to this LTEMP was categorised by Ramboll (2019[1]) as comprising areas of low and moderate contamination risk as follows:

- Moderate risk – Crescent Civil and Buruwan Park sub-sites.
- Low risk – remaining ancillary areas, including The Crescent and Johnston Street roadways.

Detailed site investigations (DSIs) were subsequently undertaken for the "moderate risk" Crescent Civil and Buruwan Park sub-sites by WSP (2021a and 2021b[2], respectively; refer to Figure 2 in Appendix A). The DSIs did not identify a potential contamination risk to future users of Buruwan Park and this sub-site was considered suitable for the proposed open space and roadway land uses. However, soil containing polycyclic aromatic hydrocarbons (PAHs), heavy metals and asbestos was identified at the Crescent Civil sub-site at concentrations requiring management and/or remediation to render the sub-site suitable for the proposed open space and roadway land uses.

The contaminated areas within the Crescent Civil sub-site have been remediated via the construction of soil or hardstand capping layers. This LTEMP has been prepared to document the management requirements for the remediation capping layers constructed at the Crescent Civil sub-site, in addition to an unexpected finds procedure applicable to the entire site area (i.e. Crescent Civil and Buruwan Park sub-sites, as well as ancillary areas).

Two areas of residual land adjoining the Crescent Civil sub-site were also assessed as part of the DSI (WSP, 2021a; refer to Figure 2 in Appendix A). These areas were not subject to remediation and do not form part of this LTEMP. The residual land is described as follows:

- central-eastern portion of the Crescent Civil sub-site – not disturbed by JHCPB for the WCX3B project construction and has been established with topsoil and a finished turfed surface only; and

[1] Ramboll (2019) WestConnex Stage 3B – Rozelle Interchange Sampling, Analysis and Quality Plan.

[2] WSP (2021a) WestConnex Stage 3B – Rozelle Interchange – Sub Site Area – Crescent Civil, Detailed Site Investigation, ref: PS117368-CLM-REP-Crescent Civil RevD, 15 July 2021
WSP (2021b) WestConnex Stage 3B – Rozelle Interchange – Sub Site Area – Crescent West (Buruwan Park), Detailed Site Investigation, ref: PS117368-CLM-REP-Buruwan Park RevD, 25 November 2021

- north-eastern portion of the Crescent Civil sub-site – proposed to be retained for the western harbour tunnel (WHT) WestConnex project works.

1.2 PURPOSE

This LTEMP has been prepared to manage potential adverse health and environmental impacts associated with soil contamination at the site. This LTEMP provides the passive management requirements to ensure the longevity of the installed capping system and to ensure any works that penetrate the capping system are appropriately controlled. No active management is required for the site.

This LTEMP will apply indefinitely or until such a time that a site audit statement can be prepared by a NSW Environment Protection Authority (EPA) accredited site auditor stating that an EMP is not required for the site.

In handing over completed works to Transport for NSW (TfNSW), JHCPB has a contractual obligation under its Project Deed to provide all documentation that is required for TfNSW (and others) to operate and maintain the relevant works. This LTEMP forms part of such deliverables that JHCPB must handover at completion along with a Certificate of Completion ensuring that handover is on the basis that TfNSW is aware of and complies with the LTEMP requirements.

1.3 OBJECTIVES

The objectives of this LTEMP are to:

- define appropriate management and mitigation measures to be implemented to manage potential environmental and health and safety risks associated with residual subsurface soil impacted by PAHs, heavy metals and asbestos;
- outline the monitoring and maintenance measures required to maintain integrity of the constructed capping systems;
- ensure activities associated with any future site works are managed in a way that minimises the potential impact to the surrounding environment; and
- ensure all personnel involved are aware of environmental issues associated with residual PAHs, heavy metals and asbestos in soil.

The objectives are to be achieved through the application of health and safety procedures as well as the application of controls during the maintenance of utilities, site planning/preparation work and potential future excavation works at the site.

1.4 EMP REGULATORY CONTEXT

Key legislation relevant to the proposed works is listed below:

- *Contaminated Land Management Act 1997* (NSW)
- *Environment Protection and Biodiversity Conservation Act 1999* (Cmlth)
- *Environmental Hazardous Chemicals Act 1985* (NSW)
- *Environmental Planning and Assessment Act 1979* (NSW)
- Landcom 2004, *Managing Urban Stormwater: Soils and Construction*
- *National Environment Protection (Assessment of Site Contamination) Measure 1999* (NEPM, as amended 2013)
- NSW EPA 2014, *Waste Classification Guidelines*
- *Protection of the Environment Operations Act 1997* (POEO Act; NSW)

- *Protection of the Environment Operations Regulation 2009* (POEO Regulation; NSW)
- SafeWork Australia, 2019 *Code of Practice - How to Manage Work Health and Safety Risks*
- SafeWork Australia, 2019 *Code of Practice - Construction Work*
- SafeWork Australia, 2020 *Code of Practice - Excavation Work*
- *Waste Avoidance and Resource Recovery Act 2001* (NSW)
- *Work Health and Safety Act 2011*
- *Work Health and Safety Regulation 2017*.

1.5 CURRENT/FUTURE LAND USE

The site land uses consist of a road reserve, pedestrian and bicycle pathways (including a footbridge at Buruwan Park) and minor open space/landscaped areas.

2 SITE DESCRIPTION

2.1 SITE IDENTIFICATION

The general property identification information is provided in Table 2.1 below.

Table 2.1 Site details

SITE INFORMATION	
Property owner	Transport for NSW
Property address	The Crescent, Johnston Street and City West Link, Annandale and Rozelle NSW
Legal identification (study area)	Part Lot 20 Deposit Plan (DP) 1151746 Lots 21 and 22 DP 1151746 Part Lot 23 DP 1151746 Part Lot 4 DP 1209992 Lot 20 DP 791554 Lots 1, 2 and part Lot 3 DP 827708 Lot 10 DP 261985 Part Lots 30 and 31 DP 1055559 Part Lot 5 DP 873379
Study area	Approximately 2.4 ha
Current/future site use	Road reserve, pedestrian and bicycle pathways (including a footbridge at the Buruwan Park sub-site) and minor public open space (landscaped areas) (refer to Figure 5 in Appendix A).
Local authority	Inner West Council
Zoning information	RE1 – Public Recreation (under *Leichhardt Local Environmental Plan 2013)*

The location of the site is displayed on Figure 1 and the site layout is displayed on Figure 2 (Appendix A).

It is noted that the north-eastern portion of the Crescent Civil sub-site comprising residual land and the adjoining hardstand surface (hardstand area referred to herein as ‘Area 6’; refer to Figure 3 of Appendix A) comprises JHCPB offices for the WCX3B CWL construction area. The temporary construction office area is proposed to be retained for the WHT WestConnex project works. Further details are provided in Section 3.2.1.

2.2 SITE HISTORY SUMMARY

The eastern portion of the site (Crescent Civil sub-site) is likely to have been historically used for maritime/shipping purposes since at least 1930 and was owned by various individuals, including a timber merchant, until this time. Ownership of the site was transferred to The Sydney Harbour Trust Commissioners during the late 1920s and subsequently to various NSW government bodies. This area appeared to contain a boatshed on the north side of Whites Creek (abutting Rozelle Bay) from 1930 until sometime between 1982 and 1991. Realignment of the Whites Creek canal approximately 10 to 20 m to the south and minor reclamation works were also completed during this time. The area south of Whites Creek appears to have been cleared of infrastructure and buildings circa 1970. The Crescent Civil sub-site site

generally remained either vacant or was utilised for storage of apparent maritime associated materials until commencement of the WCX3B project works.

The Buruwan Park sub-site has historically been intersected by Whites Creek channel, in addition to an access road which was demolished circa 2000. The area north of Whites Creek historically formed part of the larger Rozelle Railyards, which appears to have included industrial and storage uses, until construction of the City West Link roadway circa 1990. The southern area appears to have been historically vacant and may have been used for potential storage uses during the 1950s. Buruwan Park appears to have remained vacant/open space since completion of the City West Link roadway in the 1990s.

The area located between the Buruwan Park and Crescent Civil sub-sites (i.e. The Crescent roadway) has historically comprised a roadway since at least 1930.

Works associated with the WCX3B project commenced at the site during late-2019, which included the excavation and removal of material at the site, widening of The Crescent roadway and construction of a pedestrian footpath/cycleway. Further information pertaining to the history of the site is presented in the WSP (2021a and 2021b) DSI reports.

2.3 CURRENT/FUTURE SITE USE

At the time of writing this LTEMP, the site has been developed as a road reserve, including pedestrian and bicycle pathways and minor public open space (landscaped areas). Two areas of residual land have also been set aside as follows:

- central portion of the site – proposed future development (land use unknown); and
- north-eastern portion of the site –proposed to be retained for the WHT WestConnex project works.

The site land use design (including locations of residual land) are shown on Figure 5 (Appendix A).

2.4 SITE-SPECIFIC SOILS AND GEOLOGY

Subsurface conditions encountered at the site during the WSP (2021a and 2021b) DSIs varied considerably across the site. A sandstone outcrop was encountered in the western/south-western portion of the site, with depth to rock ranging from 0.3 and 0.5 m below ground level (BGL) in the north-west (Buruwan Park sub-site) to 3.1 mBGL in the south-west (Crescent Civil sub-site).

Fill material (generally comprising silty/clayey sands or sandy clays) was recorded in the northern portion of the Buruwan Park sub-site at depths between 0.5 and 3.2 mBGL, underlain by natural alluvial sands and clay. Fill material was encountered to a maximum depth of 1.5 mBGL in the southern portion of the Buruwan Park sub-site.

The soil profile encountered in the Crescent Civil sub-site can be grouped into two sections – south/west and north/east of The Crescent road alignment. In the south-western portion of the Crescent Civil sub-site, the soil profile typically comprised approximately 0.5 to 1.5 m sandstone fill material, likely spoil imported from the WCX3B tunnelling activities. Underlying the sandstone fill was approximately 0.5 to 2 m historic fill material, consisting of black/dark brown silty, clayey sand with anthropogenic inclusions (tiles, plastic and concrete). The historic fill was underlain by extremely weathered sandstone.

In the north-eastern portion of the Crescent Civil sub-site, the soil profile encountered typically comprised 0.5 to 1 m grey gravels and crushed road base for the future footpath. Underlying the gravel/road base was historic fill material (dark brown/black sandy clay), which increased in clay content with depth. Anthropogenic inclusions (plastic material, clinker and nails) were noted at varying depths.

Fill material and residual soils across much of the site were excavated and disposed off-site by JHCPB following the DSI and were backfilled using sandstone tunnelling spoil from associated WCX3B tunnelling activities, in addition to various landscaping materials.

3 SUMMARY OF CONTAMINATION AND REMEDIATION

3.1 SUMMARY OF CONTAMINATION STATUS

Fill material containing PAHs, lead and asbestos has been retained on the Crescent Civil sub-site. These contaminants are present in some areas of this sub-site at concentrations that may present a potential risk to human health should exposure via dermal contact, ingestion and/or inhalation occur.

The general locations of retained soil contamination on the Crescent Civil sub-site are shown on Figure 4 (Appendix A) and are summarised as follows:

- PAHs and lead in fill material to depths of up to approximately 7.5 mBGL; and
- Asbestos in shallow fill material in the southern portion of the Crescent Civil sub-site.

Contaminated areas within the Crescent Civil sub-site have been remediated via the construction of soil or hardstand capping layers (refer to Section 3.2 for a description of remediation activities).

The remaining areas of the site (i.e. Buruwan Park sub-site and remaining ancillary areas) are considered to present a low contamination risk. However, the potential exists for impacted fill material to be present in these areas of the site, which should be managed via the implementation of an unexpected finds procedure (refer to Section 5.3).

3.2 REMEDIATION ACTIVITIES

The remediation activities undertaken at the Crescent Civil sub-site comprised the following[3]:

- placement of a basal layer of permeable coloured synthetic geotextile material in unsealed areas of the sub-site (i.e. portions of the site reserved for turfing or landscaping);
- installation of a capping layer across the site, comprising either of the following:
  - validated soil and a surficial layer (minimum 300 mm thickness) of either turf or mulch overlaying the geotextile; or
  - concrete and/or asphalt pavement in the portion of the sub-site encompassing the pedestrian footpath and cycleway, and The Crescent roadway. The geotextile layer was not installed in these portions of the sub-site.

For ease of reference, the landscaped portions of the Crescent Civil sub-site subject to remediation via geotextile marker layer and soil capping have been assigned an individual area reference (Areas 1 to 5). These areas are shown on Figure 3 (Appendix A). The surveyed locations of geotextile marker layer within the Crescent Civil sub-site are presented in Appendix E. The surveyed extent of geotextile marker layer and capping cross-sections for Areas 1 to 5 (including areas capped landscape areas extending beyond the Crescent Civil sub-site) are included as Appendix F.

The thickness of the soil capping layer overlying the geotextile was generally 300 mm. However, in some localised areas capping thicknesses were less than 300 mm in the vicinity of existing subsurface utilities. The soil capping layers are underlain by coloured synthetic geotextile material which provides the trigger for management controls (refer Section 5).

Three Port Jackson Fig trees were planted in Area 3 and one planted in Area 4 (refer to Figure 3 of Appendix A and survey plans in Appendices F3 and F4 for locations). The figs have a 200 L pot size and were planted within an

[3] Excluding Area 6 – refer to Section 3.2.1.

approximate 1.5 m × 1.5 m × 0.5 m excavation. During excavation the geofabric marker layer was breached and removed at these locations to achieve the required depth. Reinstatement of the geofabric marker layer was not conducted at these locations. The area surrounding the root ball has been backfilled with 0.5 m of topsoil. The locations the four Port Jackson Fig locations at which this planting methodology was adopted are shown on Figure 3 (Appendix A) and survey plans in Appendices F3 and F4.

3.2.1 AREA 6 – WESTCONNEX PROJECT OFFICES

Area 6 comprises JHCPB offices for the WCX3B CWL construction area and is proposed to be retained for this purpose for the WHT WestConnex project works. This portion of the site comprises a utility corridor which has been backfilled using thermally stabled bedding (TSB) cement mix and the entire Area 6 sealed with concrete and compacted densely graded base (DGB). Landscaping works are not proposed to be completed in Area 6 as part of the WCX3B project. The duration of occupation for the WHT WestConnex project works and subsequent land use is unknown.

4 LTEMP IMPLEMENTATION

4.1 IMPLEMENTATION OF THE LTEMP

Table 4.1 provides a summary of the responsibilities for the implementation and management of the LTEMP. The list of responsibilities does not replace any regulatory, planning, or licensing responsibilities of the parties in undertaking works at the property. In any instance where an inconsistency arises between this LTEMP and environmental law, the environmental law will take precedence over the LTEMP.

Table 4.1 Responsibilities

STAKEHOLDER	RESPONSIBILITIES
Property owner (Transport for NSW)	— Provide the LTEMP to the parties responsible for site management and maintenance (if separate to property owner, such as Council and asset/utility owners) and attach the LTEMP to all ground maintenance contracts commissioned for the site[1]. — Provide the LTEMP to Before You Dig Australia for implementation during intrusive works by asset/utility owners or their contractors. — Attach a copy of the LTEMP to any lease or contract for sale of the site. — Liaise with Council to include the LTEMP on any Section 10.7 planning certificate (i.e. zoning certificate) applicable to the site.
Property owner (Transport for NSW) or delegated authority (e.g. Council)	— Incorporate the LTEMP into any other management plans implemented at the site. — Review the effectiveness of the LTEMP annually and following any incident or other event that suggests the LTEMP is ineffective. — Implement and communicate improvements and amendments to the LTEMP as needed. — Provide sufficient resources, where needed, to comply with the requirements of this LTEMP. — Brief contractors of the existence of this LTEMP, and their roles within it. — Maintain records of maintenance and/or reports related to the site.
Council	— Attach a copy of the LTEMP to the Section 10.7 planning certificates. — Inform TfNSW if any reports are received through the Council Transport Management Centre relating to site.
Asset/utility owners Maintenance workers (including Council)	— Comply with the LTEMP, including relevant legislation and guidance (including the *Work Health and Safety Act 2011* and *Work Health and Safety Regulation 2017* or relevant legislation current at the time of the works) when conducting works at the property. — Inform the owner/occupant if disturbance of impacted soil may occur and/or if potential exposure to impacted soil is identified (e.g. existing containment barrier is compromised) or may result in the future.

[1] Includes parties responsible for future construction and/or site restoration within Area 6.

This LTEMP is prepared with the assumption that any future works on the site shall be undertaken in accordance with relevant regulations, guidelines and laws current at the date works, in NSW including but not limited to those referred to in Section 1.4.

4.2 ENVIRONMENTAL AWARENESS AND TRAINING

All site owners, occupants and maintenance/utility workers should be made aware of this LTEMP and the requirements it contains. In particular, maintenance workers should complete the following:

- a site induction;
- familiarisation with the requirements of the LTEMP; and
- environmental emergency response training.

A record of completion of the LTEMP induction should be recorded in the log in Appendix B and a checklist of LTEMP requirements for maintenance workers is presented in Appendix D.

4.3 NON-COMPLIANCES AND LTEMP DURATION/REVIEW

Any non-compliance with this LTEMP should be recorded on the non-compliance register in Appendix C2 and communicated to the site owner.

This LTEMP will apply indefinitely or until such a time that a site audit statement can be prepared by a NSW EPA accredited site auditor stating that an EMP is not required for the site.

Review of this LTEMP by the site owner (and other parties where delegated by the site owner) should be conducted every 12 months, and would include but not be limited to the following aspects:

- review non-compliances and corrective actions during the period;
- ensure inspections have been undertaken, including during and subsequent to any maintenance works conducted at the site, in addition to regular inspections to confirm that the capping layer is intact (refer to Table 5.1 for further details);
- ensure maintenance recommended (if any) during inspections and/or intrusive works has been completed;
- review whether proposed changes to land use may conflict with the LTEMP; and
- review and update this LTEMP to meet changes in applicable regulatory requirements.

4.4 APPROVAL AND CONSENT REQUIREMENTS

The need for approvals or consent for any maintenance works to be undertaken at the site should be assessed by the contractors undertaking the works.

4.5 REGULATORY FRAMEWORK AND ENFORCEMENT

In order for the LTEMP to be effective it must be practical and enforceable. With respect to environmental management of the subject site, the activities identified as needing to be controlled include:

- protection of the health risk of maintenance staff involved in future subsurface works;
- ensuring subsurface works are reinstated to suitable standard for protection of future site users; and
- consideration of environmental risk as part of any future redevelopment of the site.

The WCX3B infrastructure approval[4] requires that "*Contaminated land must not be used for the purpose approved under the terms of this approval until a Site Audit Statement is obtained that declares the land is suitable for that purpose and any conditions on the Site Audit Statement have been complied with*." This LTEMP has been prepared to fulfill the conditions of the site audit statement, specifically to facilitate suitability of the site for purpose subject to compliance with this LTEMP. The WCX3B infrastructure approval is subject to regulation by the NSW Department of Planning, Industry and Environment.

The *Environmental Planning and Assessment Act 1979* (EP&A Act) and *State Environmental Planning Policy (Resilience and Hazards) 2021* (Resilience and Hazards SEPP) provides the primary mechanism for ensuring an LTEMP is enforced with respect to changes in the allowable land uses or material alterations to the site and surrounds. Of the above identified activities, future redevelopment work at the site is significant enough to require consent from the local council (Inner West Council) under the EP&A Act, which provides an avenue for enforcement as Council may require adoption of this LTEMP as a condition of development consent for the site.

The NSW Department of Urban Affairs and Planning (DUAP; now the Department of Planning, Industry and Environment) produced a guidance document titled *Managing Land Contamination: Planning Guidelines SEPP 55 – Remediation of Land* (NSW DUAP, 1998) which also provides guidance for Council or other planning authorities in how to assess if the land is contaminated through applying the NSW EPA investigation processes and guidelines. Along with the Resilience and Hazards SEPP (superseding *State Environmental Planning Policy 55 – Remediation of Land*; SEPP 55), the NSW DUAP (1998) guideline also makes provision for consent authorities to require a site audit statement to be prepared by a NSW EPA accredited site auditor if the consent authority consider it necessary in order for them to make their decision.

With respect to ensuring maintenance staff are protected during works and that the site surface is appropriately restored upon completion it is necessary to rely on the responsibility of TfNSW as the current owner of the site, and by delegation, their facilities management subcontractors. Both these parties have responsibilities under work health and safety (WHS) legislation which will require them to appropriately manage the risks during future subsurface maintenance works. Workers can be protected by provisions of the *Work Health and Safety Act 2011* provided they are notified of the presence of this LTEMP. Under Section 3.1 of the *Work Health and Safety Regulation 2017* a person who has a duty under the regulation to manage risks to health and safety must comply with requirements to manage risk, identify reasonably foreseeable health and safety hazards, eliminate risks to health and safety as far as practicable or if not reasonably practicable then minimise those risks. They must also maintain and review any control measures that are in place to protect worker health and safety. Risk assessment on construction projects is managed at the task level by preparation of work method statements and at the project level by preparation of WHS plans. Therefore, provided there is an adequate method for notification of the presence of the LTEMP, its recommendations can be readily built into the health and safety management of any construction project. Compliance with relevant WHS legislation is mandatory.

4.6 PUBLIC NOTIFICATION OF THIS LTEMP

The remediation of this site has been undertaken under the infrastructure approval (SSI 7485) and, under approval condition E182, the site is subject to a site audit. When a site audit statement states that the site is suitable for a particular use if managed in accordance with an EMP, the plan must be attached to the site audit statement and included in the site audit report. As per condition E183 of the infrastructure approval, the Secretary of the NSW Department of Planning and Environment (or nominee) and Inner West Council (Council) are also to be provided a copy of the site audit statement. Council must provide a notification of the existence of the audit on the planning certificate/s for the site issued under section 10.7 of the EP&A Act.

[4] Number SSI 7485.

5 RISK MANAGEMENT ACTIVITIES AND CONTROLS

Risk from soil contamination retained on the Crescent Civil sub-site may arise when contaminated soils are disturbed, including where the geotextile marker layer and hardstand capping is breached. These risks include:

- potential exposure of workers to contamination via direct contact, ingestion of soil/dust and/or inhalation of dust;
- potential erosion/discharge of contaminated soils to drains and waterways; and
- inappropriate disposal or placement of excavated contaminated soils.

Management controls will be required to be implemented for any ground disturbance activities within areas of retained contamination at the Crescent Civil sub-site. The capping management system to be maintained at the Crescent Civil sub-site is presented in Section 5.1 and controls for areas of retained contamination are discussed in Section 5.2.

5.1 CAPPING DESIGN

The remediation capping constructed at the Crescent Civil sub-site is described below and is shown on Figure 3 (Appendix A).

Grass/vegetative areas

- basal layer of permeable coloured synthetic geotextile material (overlying existing soils); overlain by
- capping layer comprising validated soil and surficial layer (approximately 300 mm thickness) of either turf or mulch. Due to the presence of subsurface utilities, the capping layer within Area 4 (refer to Figure 3 in Appendix A) is generally less than 300 mm, with minimum recorded thickness of 80 mm (refer to Figure 3 in Appendix A for area location and Appendix F for surveyed capping thickness).

General cap arrangement drawings for unsealed/landscaped areas of the Crescent Civil sub-site showing details of the geotextile and soil cap construction are presented in

Figure 5.1 below. An example of the geotextile marker layer is shown in Figure 5.2. The surveyed locations of geotextile marker layer within the Crescent Civil sub-site are presented in Appendix E. The surveyed extent of geotextile marker layer and capping cross-sections for Areas 1 to 5 (including areas capped landscape areas extending beyond the Crescent Civil sub-site) are included as Appendix F.

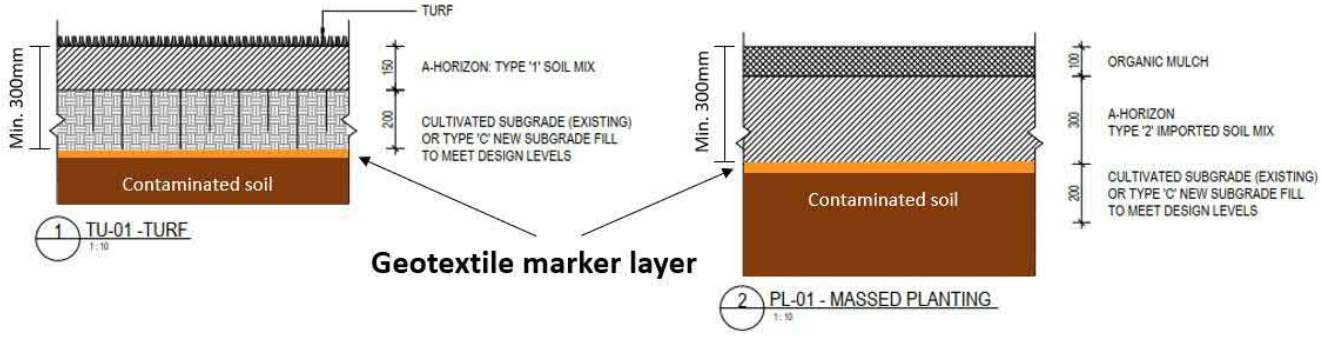


Figure 5.1 Soil cap construction

Figure 5.2 Geotextile marker layer

Three Port Jackson Fig trees were planted in Area 3 and one planted in Area 4 (refer to Figure 3 of Appendix A and survey plans in Appendices F3 and F4 for locations). The figs have a 200 L pot size and were planted within an approximate 1.5 m × 1.5 m × 0.5 m excavation. During planting the geofabric marker layer was breached and removed at these locations to achieve the required depth. Reinstatement of the geofabric marker layer was not conducted at these locations. The area surrounding the root ball has been backfilled with 0.5 m of topsoil.

Pavement/roadway

The pavement capping comprises an impervious layer of concrete and/or asphalt. A geotextile layer was not installed below asphalt or concrete pavement.

Area 6 – WestConnex project offices

Area 6 comprises JHCPB offices for the WCX3B CWL construction area, which will be retained for this purpose for the WHT WestConnex project works. This portion of the site comprises a utility corridor which has been backfilled using TSB cement mix and sealed with concrete and compacted DGB. A geotextile layer was not installed below concrete in Area 6.

5.2 MANAGEMENT CONTROLS

Management controls will be required to be implemented for any ground disturbance activities within areas of retained contamination at the Crescent Civil sub-site. The controls for these areas are outlined in Table 5.1 below and in Appendix D.

The Buruwan Park sub-site and ancillary areas beyond the sub-site boundaries (e.g. roadways, verges, footpaths; refer to Figure 2 of Appendix A) do not require specific management controls. However, due to the potential for fill material to be present in these areas of the site, the unexpected finds procedure documented in Section 5.3 should be implemented during works in these areas.

All activities/tasks that require the engagement of contractors should be undertaken in accordance with current regulatory requirements, in particular the *Work Health and Safety Act 2011* and the *Work Health and Safety Regulation 2017* (or relevant legislation current at the time of the proposed works).

A summary of the main legislation, planning instruments and guidelines that relate to the management of contaminated land in NSW at the time of preparation of the LTEMP is provided in Section 1.4. This list should be reviewed for

currency at the time of any proposed works. The advice of a suitably qualified environmental consultant, the NSW EPA, and/or Council should be sought where there is uncertainty as to the regulatory requirements.

5.3 UNEXPECTED FINDS PROCEDURE

An unexpected finds procedure shall be implemented during intrusive works at the site to ensure the health and safety of staff, contractors, and visitors with regards to potential unidentified contamination. The objective of the unexpected finds procedure is to describe procedures minimising exposure of all site users to possible contamination at the site through the development and implementation of the management systems outlined herein. It is the responsibility of the site owner to ensure that each time an action is undertaken, that the action is recorded and signed off.

Typical indicators of contamination include but are not limited to:

- unusual odours;
- stained soil;
- sheens on soil or water;
- unusual colours;
- crystalline or powdery substances;
- presence of drums
- fragments of asbestos containing material; and,
- underground storage tanks.

In the interests of ensuring worker health and safety, and protection of the environment, any unexpected findings should be handled with care including segregation of the area from general site workers and the public and obtaining specialist advice on the handling and disposal of the material.

Where unexpected finds are encountered, the following management measures shall be immediately conducted:

- Cease any further ground disturbance in the area of the find(s).
- Do not remove or unnecessarily disturb the area of the find(s).
- The discoverer of the find(s) will notify workers in the immediate vicinity of the find(s) so that work can be temporarily halted.
- The site owner will be informed of the find(s), including details regarding the location and nature of the find.
- Notify authorities needed to obtain emergency response for any health or environmental concerns (e.g. fire brigade).
- Notify any of the authorities that the site owner is legally required to notify (e.g. NSW EPA, Council).
- Restrict access to the area via placement of barricades to ensure that the area of the find(s) is adequately marked as a no-go area for workers and machinery or further disturbance and that the potential for accidental impact is avoided.
- Where feasible, ensure that any excavation/area of disturbance remains open so that the finds can be recorded and verified. Excavation/area of disturbance may be backfilled if this is necessary to comply with work safety requirements. An excavation/area of disturbance that remains open should only be left unattended if it is safe and adequate protective fencing is installed around it.

Following the immediate response outlined above a contingency plan is to be implemented. The contingency plan for the site should generally include:

- Suitably qualified environmental consultant (or occupational hygienist as appropriate) is to inspect the issue of concern and determine the nature of the issue and the appropriate approach to assessing or managing the issue.

- The environmental consultant (or occupational hygienist as appropriate) is to undertake an assessment considered necessary to determine the management strategy for the area. Assessment of occupational, public and environmental risk should be considered, particularly potential explosive or toxic gases, toxic chemicals and buried unexploded ordnance.
- If unexpected contamination is found and remediation action is considered necessary, a remediation strategy for the area is to be prepared by the environmental consultant.
- Excavated material is to be placed back into the excavation or removed from the site. Any material to be removed from site must be placed in labelled skip bins or stockpiled as instructed by the environmental consultant and tested for subsequent disposal to a licenced facility.

Development works in the area of the find(s) may re-commence, if and when outlined by the management strategy, developed in consultation with, and approved by the environmental consultant.

Table 5.1 Management controls – Crescent Civil sub-site

MANAGEMENT CONTROL	PERSON RESPONSIBLE
MAINTENANCE AND MONITORING	
Visual inspection of capping	
— All surfaces of the site (paved and unpaved) must be visually inspected every 6 months for breaches in containment. The inspection should document the condition of the grass surface or soil cover/planting and also record if any orange geofabric is visible. - Grass in good condition Y / N - Evidence of soil erosion Y / N - Orange geofabric visible Y / N — Where deterioration of the grass cover or soil surface/planting is recorded corrective landscape works should be undertaken within a 3-month period. — Where a breach is observed that may result in exposure to residual soil, repairs are to be conducted as soon as practicable.	Site owner
Maintenance of capping [1]	
General capping detail Landscaped areas on the Crescent Civil sub-site incorporate a cap comprising the following: — a barrier layer of geofabric impermeable to root penetration to confine the impacted material; — a layer of validated soil with general thickness 300 mm instated above the geofabric layer; and — surface layer of grass or mulch. Paved areas incorporate a cap comprising hardstand (no geofabric layer is installed beneath hardstand capping). **Maintenance** — Where additional material is required to maintain the capping layer, additional certified virgin excavated natural material (VENM[2]) or excavated natural material (ENM) shall be imported to the site. — If the imported fill requires testing to validate it as suitable, samples should be collected by a suitably qualified environmental consultant and analysed for heavy metals, total recoverable hydrocarbons (TRH), benzene, toluene, ethylbenzene, xylene and naphthalene (BTEXN), polycyclic aromatic hydrocarbons (PAHs), organochlorine and organophosphate pesticides (OCPs and OPPs), polychlorinated biphenyls (PCBs), per- and poly-fluoroalkyl substances (PFAS) and asbestos.	Site owner

MANAGEMENT CONTROL	PERSON RESPONSIBLE
— If VENM is imported to the site, 1 sample per 250 m^3 or a minimum of 4 samples will be analysed per source site (whichever is greater). If more than 1,000 m^3 is imported to the site, one additional sample shall be obtained per 1,000 m^3. — If ENM is imported to site the material will be tested in accordance with the NSW EPA resource recovery exemption for ENM. Should additional material be required to be imported to the site for landscaping purposes (such as topsoil, mulch, compost, etc.), these materials should be tested to validate as suitable for the site use. Sampling should be conducted at a frequency consistent with Table 3 of NSW EPA (2022) *Contaminated Land Guidelines: Sampling design part 1 – application* for volumes <200 m^3 and as per *Column 3 – Minimum number of samples for 95% UCL* of Table 4 NSW EPA (2022). Samples will be analysed for heavy metals, TRH, BTEXN, PAHs, OCPs and OPPs, PCBs, PFAS, asbestos, foreign materials and/or pathogen indicators (as required). Results will be compared to the applicable human health criteria outlined in the NEPM (2013), HEPA (2020) PFAS NEMP 2.0, NSW EPA *The compost order 2016* and/or Australian Standard 4454:2012 *Composts, soil conditioners and mulches*.	
MINOR WORKS (landscaping, subsurface works unlikely to breach cap/marker layer)	
During minor subsurface works the following tasks must be undertaken: — The site owner must inform all personnel who may undertake subsurface work that PAHs, heavy metals and asbestos may be present within soil across the site. — The extent of the geotextile marker layer must be communicated to all personnel who may undertake subsurface works, including the absence of a marker layer within areas of residual land and in the vicinity of select Port Jackson Fig trees (refer to Section 3.2). — A safe work method statement (SWMS) must be prepared for the work. — Appropriate work health and safety measures must be developed and implemented to minimise risk of exposure to contamination. The SWMS shall include the following contamination control measures (as a minimum): — employ confined space entry procedures for excavations and utility pits prior to entry; — workers wear appropriate personal protective equipment (PPE), e.g. gloves, eye and respiratory protection, disposable overalls which should be worn and disposed of appropriately at completion of each work shift, and use of a boot wash; — workers avoid creating dust (e.g. use of light water sprays, avoid working in hot and windy conditions). Where dust is unavoidable wear respiratory protection; — workers do not eat, drink, or smoke during works; — workers wash hands and face immediately after works;	Site owner Maintenance workers

MANAGEMENT CONTROL	PERSON RESPONSIBLE
— brush/wash excavation tools at end of each work shift. Ensure surplus materials returned to stockpile areas and avoid spreading potentially contaminated materials across site; — waste materials are managed so as not to generate dust; — during excavation works (including stormwater system maintenance works) all soil/fill materials should be considered to be potentially contaminated with PAHs, heavy metals and asbestos irrespective of visual/olfactory observations; — all stockpiled soil/fill materials excavated from the site be placed on sealed ground with bunds and sediment retention measures put in place immediately after the stockpile is formed; and — potentially contaminated stockpiled soil must be sampled, assessed and classified for disposal off-site at an appropriately licensed waste facility by an approved contractor in accordance with the requirements of NSW EPA (2014) waste classification guidelines.	
MAJOR WORKS (major civil/utility works likely to breach cap/marker layer)	
More stringent management requirements to those listed above are a possible requirement of the Planning Authority (e.g. Council) as part of the Development Application process. These requirements may include investigation or remediation of the PAH, heavy metals and asbestos contaminated soils.	Maintenance workers

Management controls for an observed breach of containment (hardstand or landscaped areas) will include immediate temporary cover of the affected area with clean material or geofabric (where practicable) and fencing off of the area. For repair of the containment/cap all subsurface maintenance controls are to apply. During any planned works on the site that breaches the cap it is important that the planning documentation be reviewed, and the progress and status on completion of the works should be inspected by the site owner or representative. The inspections are to be carried out on a daily basis during works and at completion of works. The inspector(s) shall note at least: — Date and personnel on site; — Activities being undertaken; — That works are being undertaken in accordance with an approved SWMS; — Level of compliance with the SWMS; and — Condition of all environmental controls. In the event of a non-conformance this information will be documented, and corrective actions implemented in a timely manner. Where no issues are identified the record should be kept for reference purposes. Should contaminated material be disturbed (i.e. material present in the Crescent Civil sub-site beneath the geotextile marker layer and/or hardstand capping layer), this material shall be disposed off-site under appropriate waste classification or be placed/maintained beneath the geotextile marker layer and/or hardstand cap. The marker layer and/or hardstand cap shall be subsequently reinstated as per the procedure outlined below. Upon completion of work that breaches the cap, validation of the containment/recapping shall be conducted by a suitably qualified environmental consultant. Records demonstrating that the re-capping has been adequately installed to the correct thickness and integrity shall be maintained these records should include details of material validation and location of the re-capping. The following steps must be followed: **1** Temporarily cover and fence area; **2** Notify site owner; **3** Engage contractor to repair hardstand or capping; **4** Site owner to engage a suitably qualified environmental consultant if repair to capping (geofabric and clean soil) is required; **5** Contractor to engage surveyor if repair to capping (geofabric and clean soil) is required to demonstrate that a sufficient thickness of material has been reinstated; **6** Environmental consultant to provide validation letter to site owner; and **7** Site owner to inspect and document that all hardstand areas have been adequately reinstated.	Site owner Maintenance workers

MANAGEMENT CONTROL	PERSON RESPONSIBLE
REPORTING REQUIREMENTS	
Annual capping inspection report to be provided to site owner.	Site owner Maintenance workers
Importation suitability report (as required) to be provide to site owner prior to material import.	Site owner Maintenance workers

[1] Excluding areas of residual land and Area 6 (refer to Figure 3 in Appendix A). At the time of preparation of this LTEMP, Area 6 comprises WestConnex project offices. This portion of the site comprises a utility corridor which has been backfilled using thermally stabled bedding (TSB) cement mix and the entire Area 6 sealed with concrete and compacted DGB. Landscaping works are not proposed to be completed in Area 6 as part of the WCX3B project.

[2] The *Protection of the Environment Operations Act 1997* (POEO Act) defines virgin excavated natural material (VENM) as 'natural material (such as clay, gravel, sand, soil or rock fines): (a) that has been excavated or quarried from areas that are not contaminated with manufactured chemicals, or with process residues, as a result of industrial, commercial, mining or agricultural activities and (b) that does not contain any sulfidic ores or soils or any other waste, and includes excavated natural material that meets such criteria for virgin excavated natural material as may be approved for the time being pursuant to an EPA Gazettal notice.'

6 INCIDENT AND EMERGENCY PROCEDURES

Emergency procedures will be detailed and explained at the start up induction for any works being undertaken. These will include:

- the name(s) of the first aider/s on site;
- the location of first aid kits and fire extinguishers;
- emergency procedure details for the site, including contact details for emergency services and the nearest hospital;
- site addresses details and map with route to nearest hospital highlighted; and
- location of the site assembly area.

6.1 INCIDENT/EMERGENCY RESPONSE

All unplanned events, irrespective how minor, shall be reported at the first opportunity to the site owner (and other parties where delegated by the site owner). In the event that an environmental incident occurs which results in non-compliance with environmental requirements the incident will be classified as an emergency.

Any pollution or other environmental incident which occurs should be immediately managed and contained as much as can be safely done. The severity of the incident should be assessed and notification made to the appropriate parties:

- The site owner (and other parties where delegated by the site owner) should be notified of all environmental incidents.
- Appropriate regulatory authorities, such as the NSW EPA, SafeWork NSW, Council etc., should be notified as required.

Emergency contacts are listed in Table 6.1.

Table 6.1 Emergency contacts

PERSON/AGENCY	PHONE NUMBER
Site owner (Transport for NSW)	131 782
EMERGENCY SERVICES	
Emergency	000
Police – non-emergency (Balmain Police Station)	+61 2 9556 0624
Ambulance – non-emergency (Rozelle Ambulance)	+61 2 9320 7777
NSW Fire and Rescue – non-emergency (Balmain Fire Station)	+61 2 9818 2348
Balmain Hospital	+61 2 9395 2111
OTHER	
Inner West Council	(02) 9392 5000
SafeWork NSW	13 10 50

6.2 COMPLAINTS AND ENVIRONMENTAL INCIDENT REGISTER

The receipt of complaints will be handled and responded to according to Transport for NSW policy.

The purpose of the complaints and environmental incident register is to maintain a register of complaints from nearby residents or concerned parties, which will include a record of any action taken with respect to the complaints.

The complaints and environmental incident register is required to be completed immediately following the receipt of any complaints associated with works undertaken at the site. Written complaints should be addressed or acknowledged within five days of the complaint being received. Complaints made by telephone or in person should be addressed or acknowledged within two days of receipt. Complaints and incidents will be forwarded to Transport for NSW.

A copy of the complaints and environmental incident register is included in Appendix C.

7 LIMITATIONS

SCOPE OF SERVICES

This environmental site assessment report (the report) has been prepared in accordance with the scope of services set out in the contract, or as otherwise agreed, between the client and WSP (scope of services). In some circumstances the scope of services may have been limited by a range of factors such as time, budget, access and/or site disturbance constraints.

RELIANCE ON DATA

In preparing the report, WSP has relied upon data, surveys, analyses, designs, plans and other information provided by the client and other individuals and organisations, most of which are referred to in the report (the data). Except as otherwise stated in the report, WSP has not verified the accuracy or completeness of the data. To the extent that the statements, opinions, facts, information, conclusions and/or recommendations in the report (conclusions) are based in whole or part on the data, those conclusions are contingent upon the accuracy and completeness of the data. WSP will not be liable in relation to incorrect conclusions should any data, information or condition be incorrect or have been concealed, withheld, misrepresented or otherwise not fully disclosed to WSP.

ENVIRONMENTAL CONCLUSIONS

In accordance with the scope of services, WSP has relied upon the data and has not conducted any environmental field monitoring or testing in the preparation of the report. The conclusions are based upon the data and visual observations and are therefore merely indicative of the environmental condition of the site at the time of preparing the report, including the presence or otherwise of contaminants or emissions.

Within the limitations imposed by the scope of services, the assessment of the site and preparation of this report have been undertaken and performed in a professional manner, in accordance with generally accepted practices and using a degree of skill and care ordinarily exercised by reputable environmental consultants under similar circumstances. No other warranty, expressed or implied, is made.

REPORT FOR BENEFIT OF CLIENT

The report has been prepared for the benefit of the client and no other party. WSP assumes no responsibility and will not be liable to any other person or organisation for or in relation to any matter dealt with or conclusions expressed in the report, or for any loss or damage suffered by any other person or organisation arising from matters dealt with or conclusions expressed in the report (including without limitation matters arising from any negligent act or omission of WSP or for any loss or damage suffered by any other party in relying upon the matters dealt with or conclusions expressed in the report). Other parties should not rely upon the report or the accuracy or completeness of any conclusions and should make their own enquiries and obtain independent advice in relation to such matters.

OTHER LIMITATIONS

WSP will not be liable to update or revise the report to take into account any events, emergent circumstances or facts occurring or becoming apparent after the date of the report.

The scope of services did not include any assessment of the title to nor ownership of the properties, buildings and structures referred to in the report, nor the application or interpretation of laws in the jurisdiction in which those properties, buildings and structures are located.

APPENDIX A

FIGURES

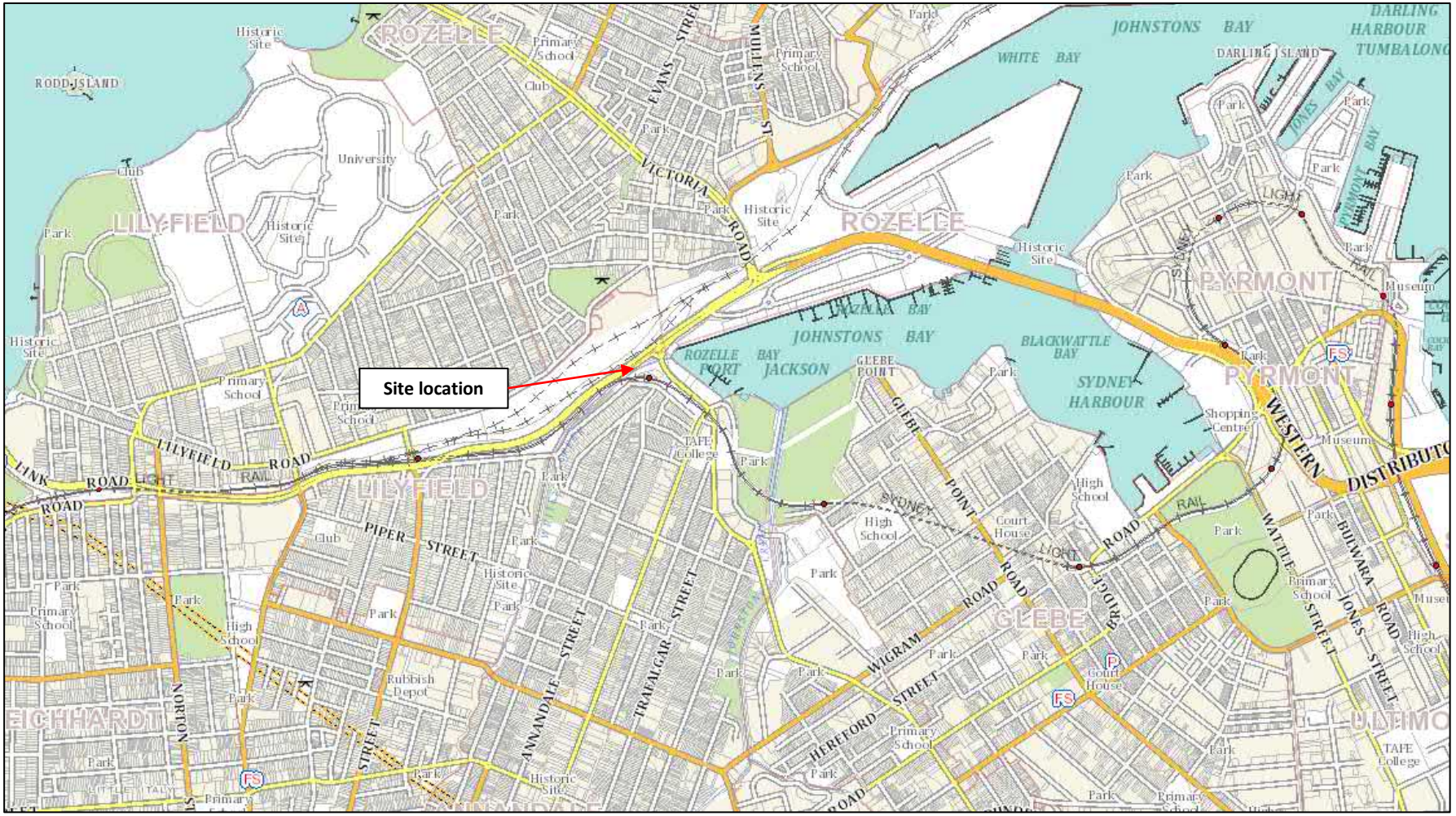


Image source: SixMaps

Figure 1 – Site locality plan

Image source: nearmap (3 Oct 2023)

Figure 2 – Site and investigation area boundaries

Approximate site boundary

Residual land – no remediation conducted

Retained as compound area for WHT (hardstand)

Geotextile and soil capping remediation area

Hardstand sealed area

Port Jackson figs

Figure 3 – Final site capping layout

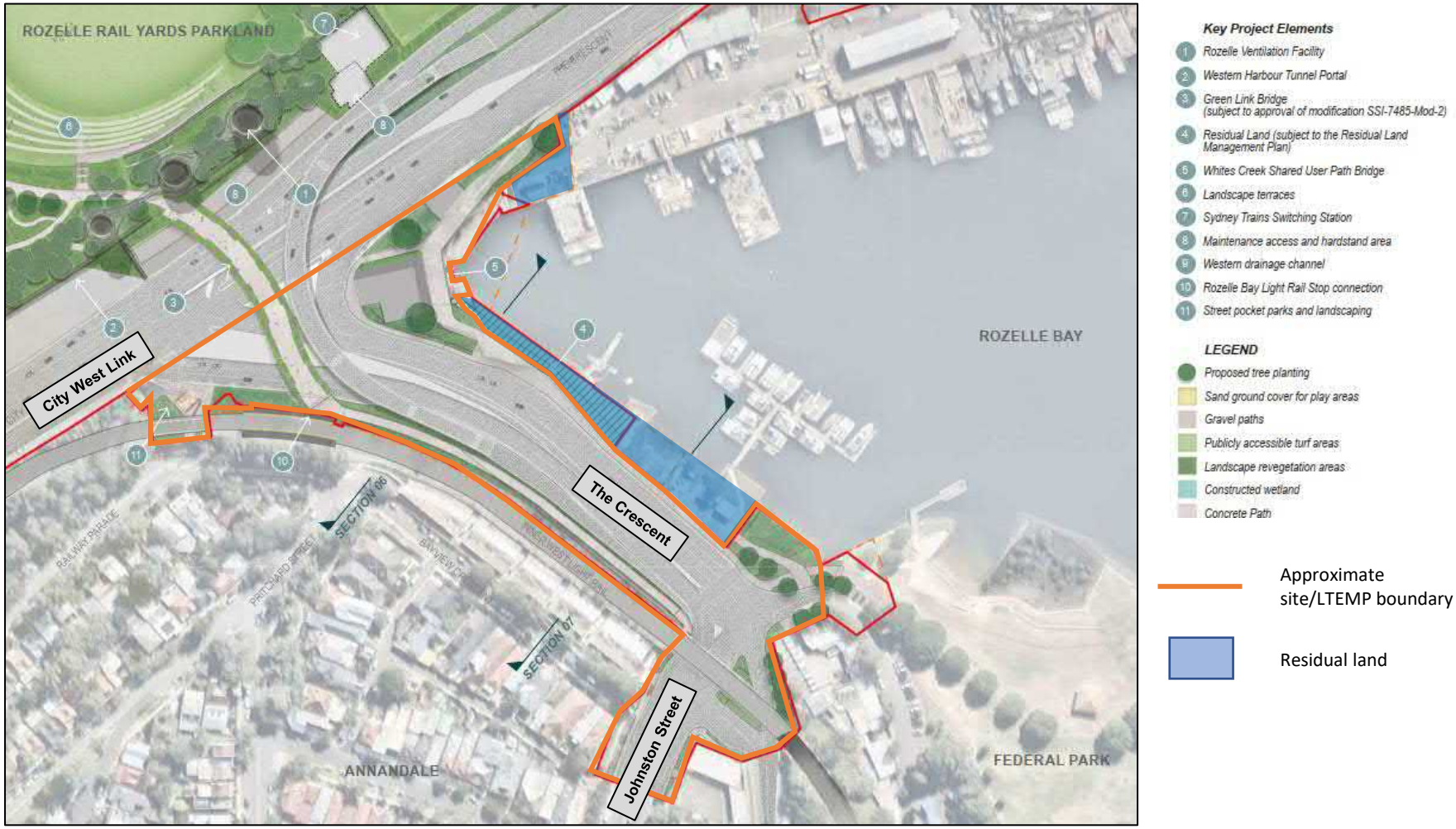
Approximate sub-site boundary

Residual land

PAHs, lead

Asbestos-containing material, PAHs, lead

Figure 4 – Approx. extent of retained soil contamination (Crescent Civil sub-site)



Extract from project Urban Design Landscape Plan

Figure 5 – Site land use design

APPENDIX B

LTEMP INDUCTION REGISTER

B1 LTEMP INDUCTION REGISTER

The purpose of the induction register is to acknowledge acceptance and compliance with the procedures outlined within this LTEMP by signing the attached log. Copies of this document must be made available for review and be readily available at the job site.

The induction register is required to be completed by each person inducted into the LTEMP.

DATE	PERSON	COMPANY	TASK/JOB	POSITION	SIGNATURE

APPENDIX C

COMPLAINTS/ENVIRONMENTAL INCIDENT AND NON-COMPLIANCE REGISTERS

C1 COMPLAINTS AND ENVIRONMENTAL INCIDENTS REGISTER

DATE & TIME	TYPE OF COMMUNICATION	NAME, ADDRESS, & CONTACT NUMBER OF COMPLAINANT	NATURE OF COMPLAINT	RESPONSE/ CORRECTIVE ACTION	DATE OF RESPONSE	DATE COMPLAINANT NOTIFIED OF RESPONSE TAKEN	SIGNATURE/ POSITION

C2 NON-COMPLIANCE REGISTER

DATE & TIME	DOCUMENTED BY	DETAILS OF NON-COMPLIANCE	DATE & TIME SITE OWNER NOTIFIED	OTHER PARTIES NOTIFIED	RESPONSE/ CORRECTIVE ACTION	DATE OF RESPONSE	DATE & TIME SITE OWNER NOTIFIED OF RESPONSE	SIGNATURE/ POSITION

APPENDIX D

SUMMARY OF LTEMP REQUIREMENTS FOR MAINTENANCE WORKERS

D1 SUMMARY OF LTEMP FOR MAINTENANCE WORKERS

SUMMARY MANAGEMENT PLAN FOR MAINTENANCE WORKERS	
MINOR WORKS (landscaping, subsurface works unlikely to breach cap/marker layer) Including weeding, gardening, cleaning and general maintenance activities.	
No specific controls required, providing the works do not significantly disturb the surfacing and underlying fill materials, and do not break any hardstand or compromise surface covering in landscaped areas.	☐
MAJOR WORKS (major civil/utility works likely to breach cap/marker layer) Including any activities that significantly disturb the surface ground cover and/or geotextile marker layer and expose the underlying fill materials, or break the hardstand surface or compromise surface covering in landscaped areas.	
Control measures are required to be implemented.	☐
All site workers and subcontractors to complete a site induction through Transport for NSW prior to commencing any major works at the site.	☐
During surface penetration Site personnel should use appropriate personal protective equipment (PPE) including: — Long sleeved shirt and long pants — P2 respirator or P2 dust mask — Protective gloves — Other PPE required under the WHS plan for the site works.	☐
Implement good personal hygiene, including: — No eating, drinking, or smoking during works — Avoid contact with soil (wear gloves) — Wash hands and clothes after work — Wash hands before eating, drinking or smoking.	☐
Implement dust control measures – this includes dampening of fill materials and any other exposed soil prior to and during excavation works.	☐
Classify and dispose of any soils excavated from beneath the capping layer or any other surplus soils in accordance with the NSW EPA (2014) *Waste Classification Guidelines*.	☐
Re-instate the geotextile and surface capping soils or hardstand surfaces following subsurface maintenance works.	☐
Validate any imported fill materials required in accordance with NEPM (2013).	☐
Transport for NSW representative contact details: Name: Position: Phone: E-mail:	

APPENDIX E

CRESCENT CIVIL SUB-SITE CAPPING SURVEY

SURVEYED BY	
INSTRUMENT TYPE	
SERIAL NUMBER	
DATE OF SURVEY	
SIGNATURE	

GENERAL NOTES / REFERENCES

FOR INFORMATION ONLY

FOR : RP

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE

DISCIPLINE	ZONE	CATEGORY	DESIGN PACKAGE	PLOT DATE
SURV	CWL	LSC	00_20	6/10/23

DRAWN BY: SF
COORDINATE SYSTEM: MGA94 Z56
HEIGHT DATUM: A.H.D
SCALE AT ORIGINAL A3 SIZE: 1:1100

RAP AREA THE CRESCENT
BOUNDARY PICK UP
COMBINED RASTER

SHEET 1 of 1

REVISION

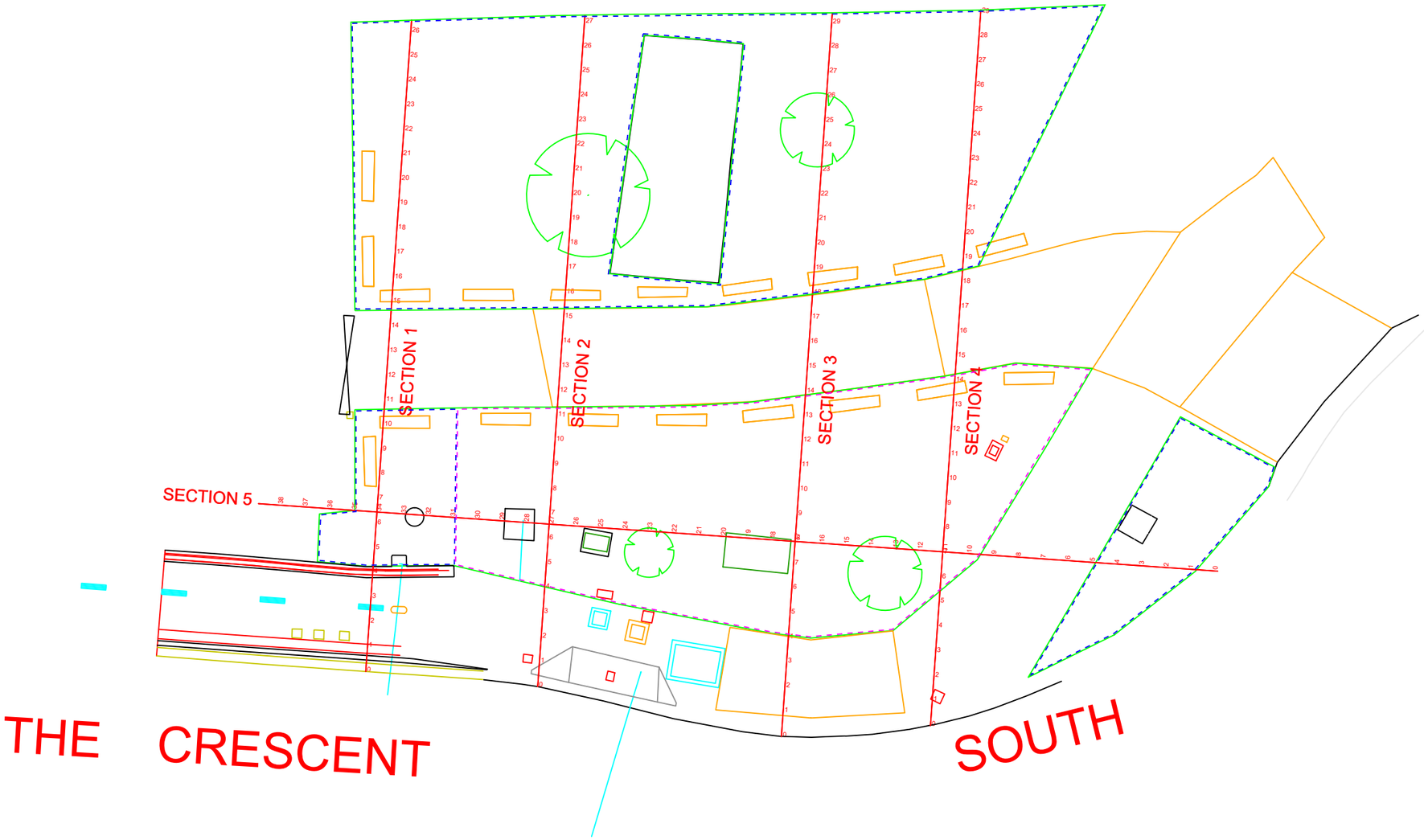
Plotted: at Fri Oct 6 08:07:43 2023

Project: C:\Users\sfoley\Documents_JHCPB WCX3B\Sean Foley's data\12D projects\3B CWL z20 MASTER 8F v14

APPENDIX F

SITE AREA SURVEYS AND CROSS-SECTIONS

F1 AREA 1



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SURVEYED BY		FOR INFORMATION ONLY
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DATE OF SURVEY		BOUNDARY OF AREA LANDSCAPED AS PL-01
SIGNATURE		

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE

DISCIPLINE	ZONE	CATEGORY	DESIGN PACKAGE	PLOT DATE
SURV	CWL	LSC	00_20	23/05/23

DRAWN BY: SF
COORDINATE SYSTEM: MGA94 Z56
HEIGHT DATUM: A.H.D
SCALE AT ORIGINAL A3 SIZE: 1:200

CRESCENT SOUTH
LANDSCAPING

SHEET 1 of 1

REVISION

Plotted: SF PLOT1 at Tue May 23 15:00:45 2023

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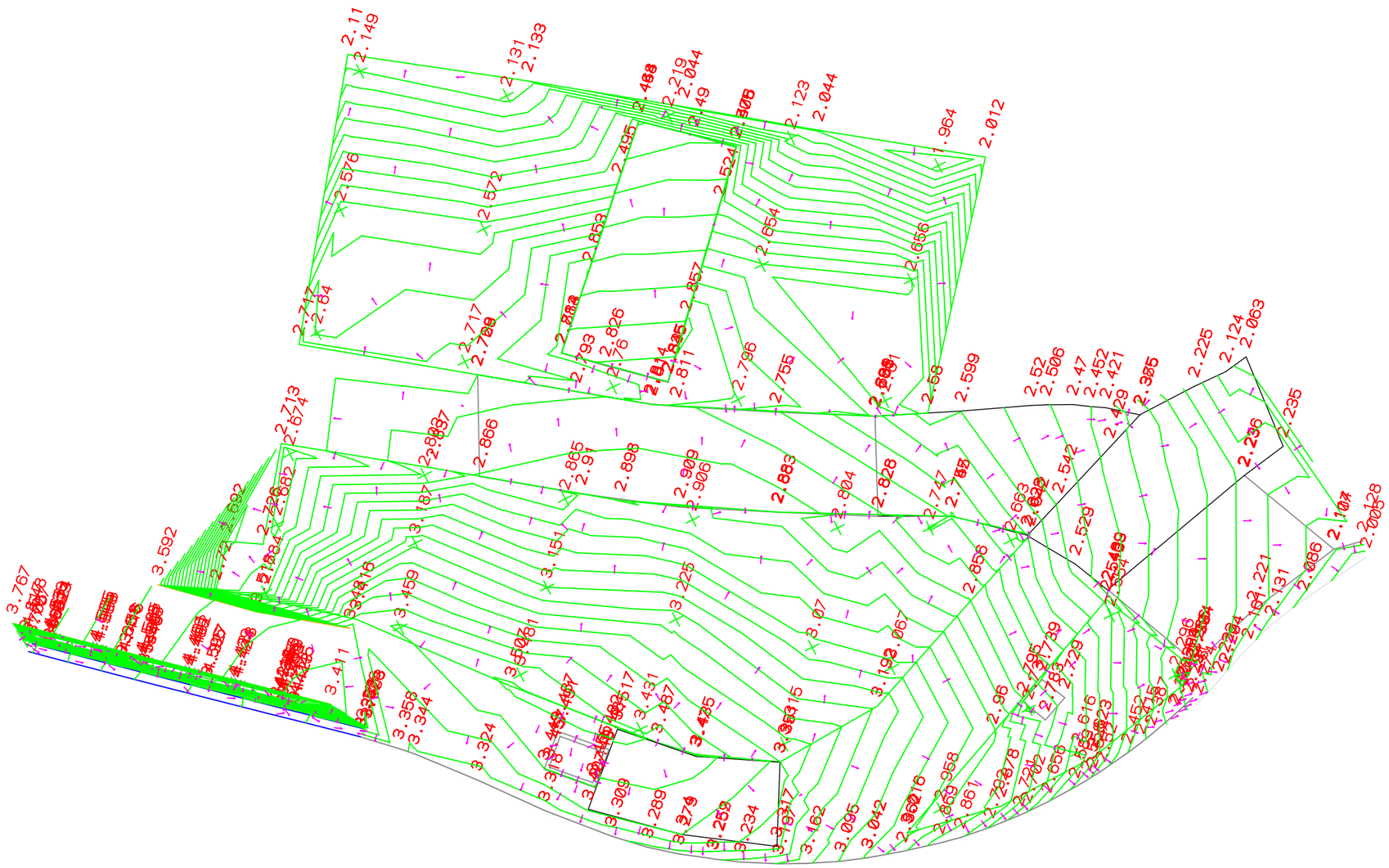

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DATE OF SURVEY			
SIGNATURE			

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

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COORDINATE SYSTEM: MGA94 Z56	THE CRESCENT				
HEIGHT DATUM: A.H.D	CONTOURS & DRAINAGE FLOW ARROWS				
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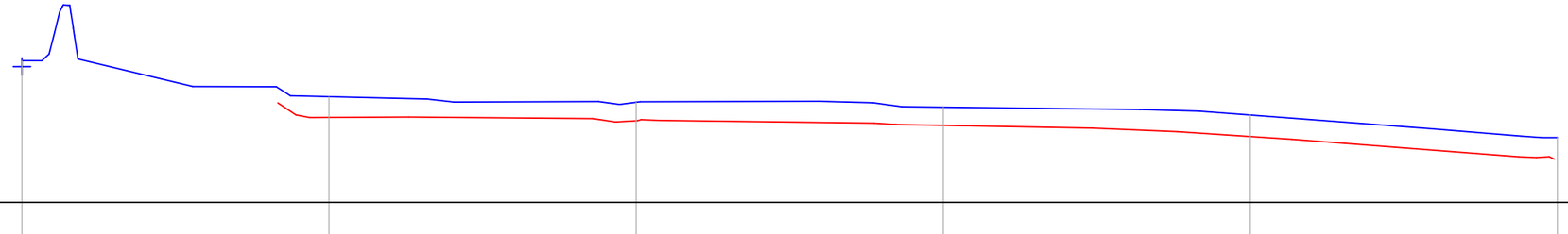

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Z = 3.344

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CL OFFSET	0.000	5.298	10.597	15.895	21.193	26.491	

		GENERAL NOTES / REFERENCES
SURVEYED BY	SEAN FOLEY	FOR INFORMATION ONLY
INSTRUMENT TYPE		FOR: RP
SERIAL NUMBER		
DATE OF SURVEY		
SIGNATURE		

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

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DRAWN BY	CRESCENT SOUTH				
COORDINATE SYSTEM: MGA94 Z56	SECTION 1				
HEIGHT DATUM: A.H.D					
SCALE AT ORIGINAL A3 SIZE: 1:	SHEET 1 of	1	REVISION		

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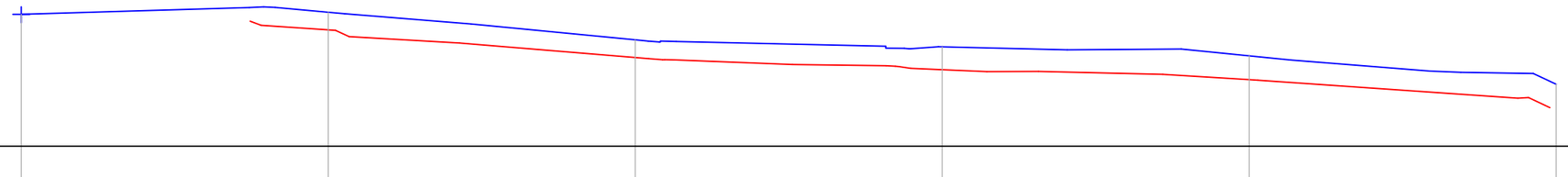

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SURVEYED BY	SEAN FOLEY	FOR INFORMATION ONLY
INSTRUMENT TYPE		FOR: RP
SERIAL NUMBER		
DATE OF SURVEY		
SIGNATURE		

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE

DRAWN BY

COORDINATE SYSTEM: MGA94 Z56

HEIGHT DATUM: A.H.D

SCALE AT ORIGINAL A3 SIZE: 1:

DISCIPLINE	ZONE	CATEGORY	DESIGN PACKAGE	PLOT DATE
SURV	CWL	CWL	ENV	16/06/16

CRESCENT SOUTH
SECTION 2

SHEET 1 of 1

REVISION

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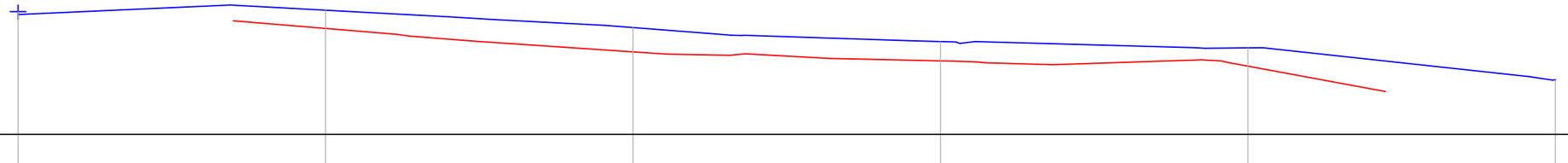

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DATUM RL 1.000

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INSTRUMENT TYPE		FOR INFORMATION ONLY	
SERIAL NUMBER		FOR: RP	
DATE OF SURVEY			
SIGNATURE			

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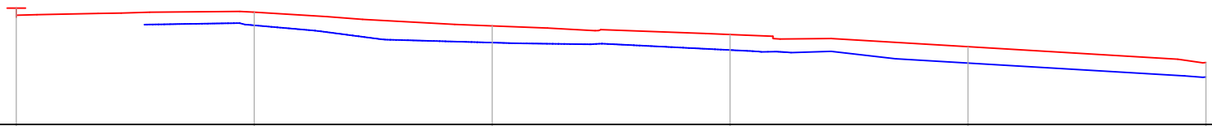

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		GENERAL NOTES / REFERENCES
SURVEYED BY	SEAN FOLEY	FOR INFORMATION ONLY
INSTRUMENT TYPE		FOR: RP
SERIAL NUMBER		
DATE OF SURVEY		
SIGNATURE		

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

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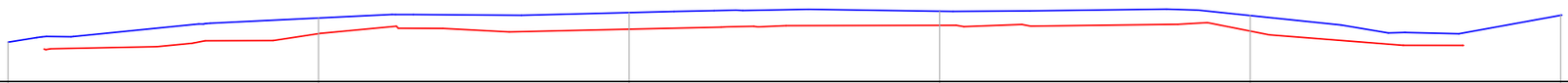

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SURVEYED BY	SEAN FOLEY
INSTRUMENT TYPE	
SERIAL NUMBER	
DATE OF SURVEY	
SIGNATURE	

GENERAL NOTES / REFERENCES

FOR INFORMATION ONLY

FOR: RP

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE

DRAWN BY

COORDINATE SYSTEM: MGA94 Z56

HEIGHT DATUM: A.H.D

SCALE AT ORIGINAL A3 SIZE: 1:

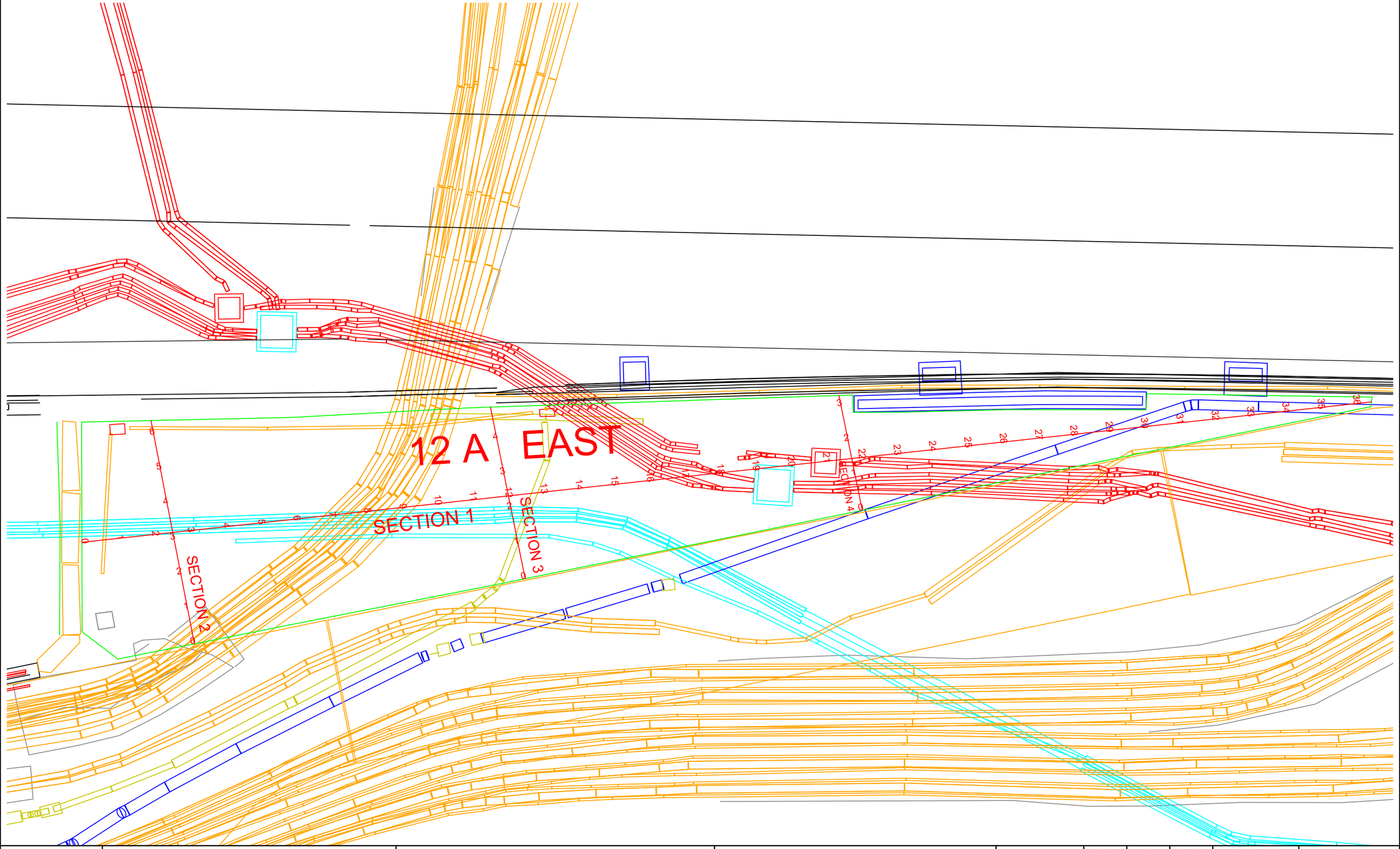
DISCIPLINE	ZONE	CATEGORY	DESIGN PACKAGE	PLOT DATE
SURV	CWL	CWL	ENV	16/06/16

CRESCENT SOUTH
SECTION 5

SHEET 1 of 1

REVISION

F2 AREA 2



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DATE OF SURVEY			
SIGNATURE			

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

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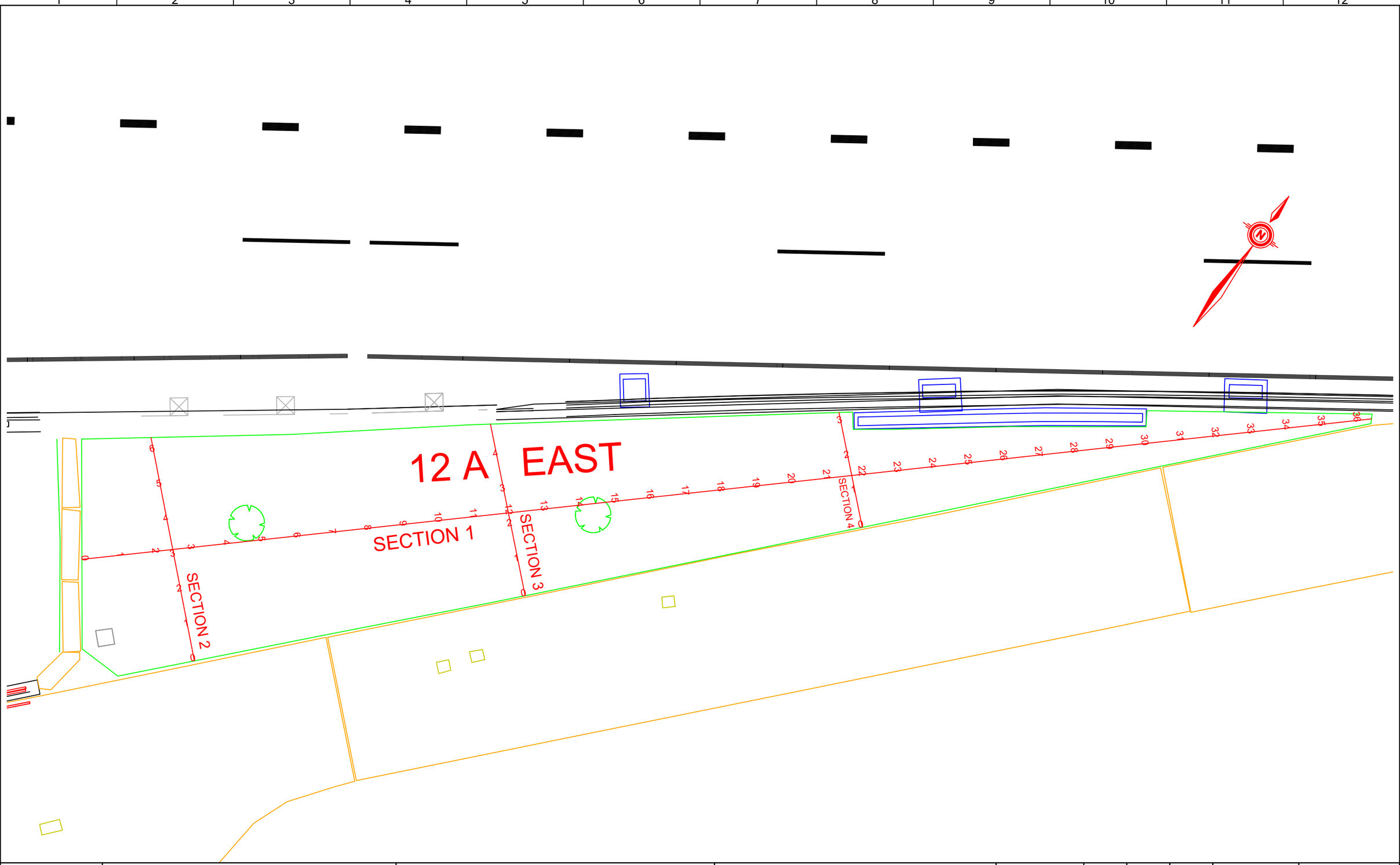

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DATE OF SURVEY		EXTENT OF MARKER LAYER	
SIGNATURE			

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE	DISCIPLINE: SURV	ZONE: CWL	CATEGORY: LSC	DESIGN PACKAGE: 00_20	PLOT DATE: 6/06/23
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HEIGHT DATUM: A.H.D					
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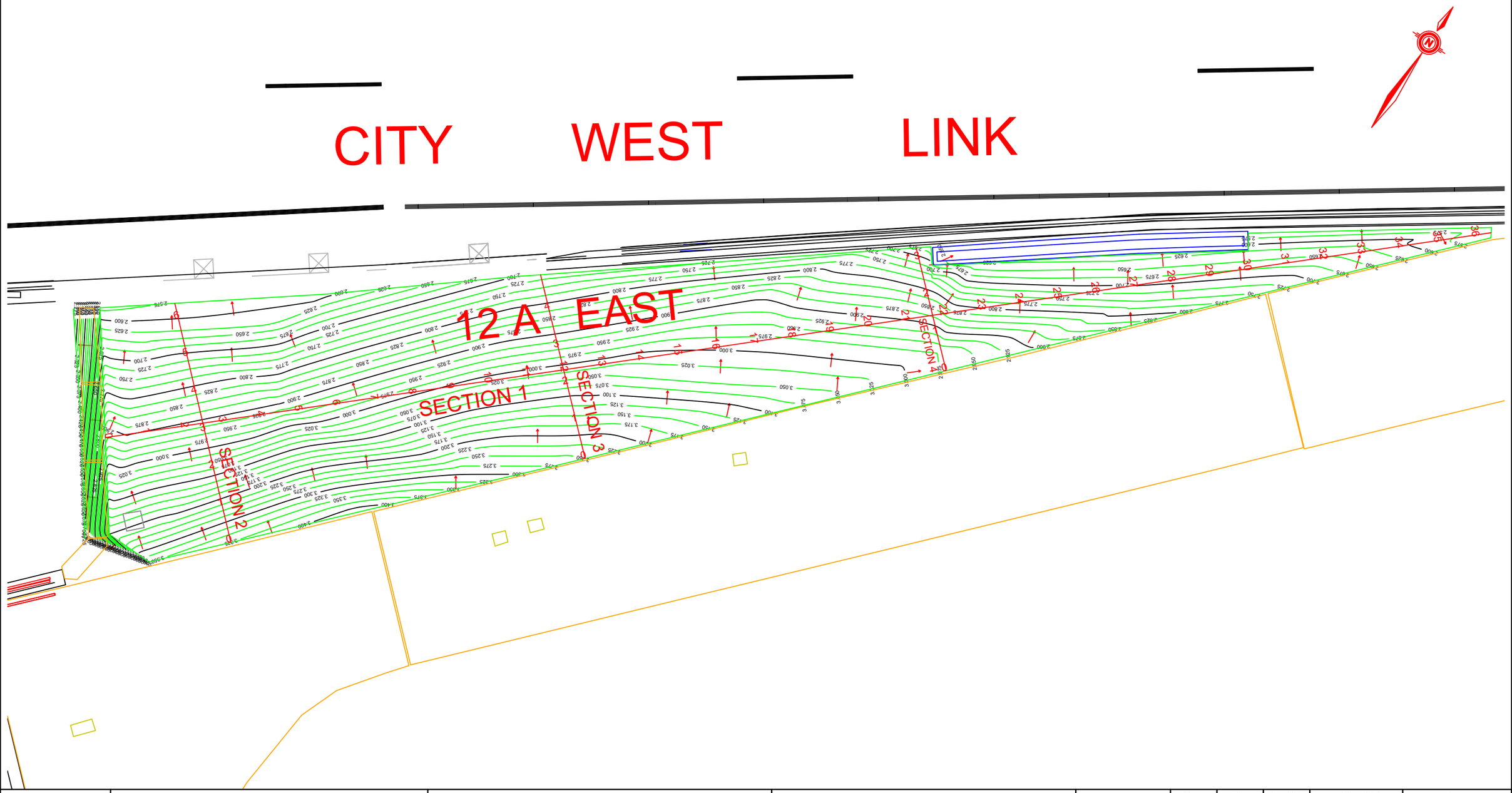
Plotted: SF PLOT1 at Tue Jun 6 15:24:02 2023

Project: C:\Users\sfoley\Documents_JHCPB WCX3B\Sean Foley's data\12D projects\3B CWL z20 MASTER SF v14

CITY WEST LINK



SURVEYED BY	
INSTRUMENT TYPE	
SERIAL NUMBER	
DATE OF SURVEY	
SIGNATURE	

GENERAL NOTES / REFERENCES

FOR INFORMATION ONLY

FOR : RP

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE

DISCIPLINE	ZONE	CATEGORY	DESIGN PACKAGE	PLOT DATE
SURV	CWL	LSC	00_20	23/06/23

DRAWN BY: SF
COORDINATE SYSTEM: MGA94 Z56
HEIGHT DATUM: A.H.D
SCALE AT ORIGINAL A3 SIZE: 1:100

TOPOGRAPHICAL SURVEY
12A EAST

SHEET 1 of 1

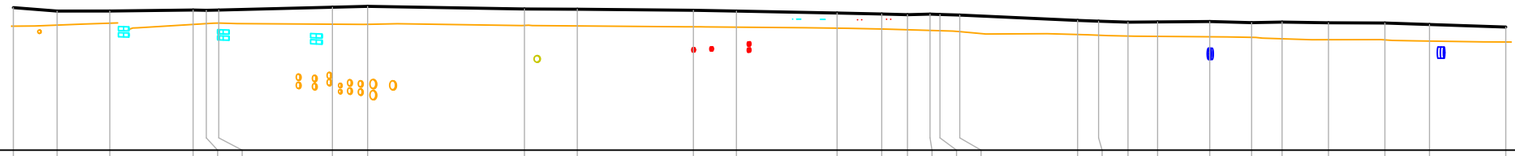
REVISION

Plotted: SF PLOTzz1 at Fri Jun 23 11:48:20 2023

Project: C:\Users\sfoley\Documents_JHCPB WCX3B\Sean Foley's data\12D projects\3B CWL z20 MASTER SF v14

Centreline Data
Y = 6250658.579
X = 331071.766
Z = 2.985

DATUM RL -0.500



CURRENT FINISH SURFACE LEVEL	2.985	2.901	2.902	2.926	2.919	2.925	2.994	3.016	2.951	2.946	2.920	2.900	2.853	2.829	2.812	2.826	2.817	2.803	2.672	2.653	2.629	2.635	2.645	2.617	2.631	2.614	2.608	2.572	2.510
LANDSCAPING MARKER LAYER	2.531	2.557	2.604	2.574	2.593	2.608	2.579	2.576	2.549	2.537	2.516	2.507	2.482	2.462	2.444	2.427	2.420	2.398	2.327	2.310	2.289	2.282	2.272	2.258	2.223	2.200	2.196	2.167	2.144
OFFSET	0.000	1.070	2.358	4.395	4.718	5.023	7.802	8.664	12.499	13.791	16.631	17.683	20.145	21.237	21.866	22.418	22.661	23.146	26.027	26.541	27.260	27.984	29.259	30.283	31.028	32.163	33.543	34.633	36.499

SECTION 1

SURVEYED BY	
INSTRUMENT TYPE	
SERIAL NUMBER	
DATE OF SURVEY	
SIGNATURE	

GENERAL NOTES / REFERENCES

FOR INFORMATION ONLY

MARKER LAYER THICKNESS VARIES FOR WAE UTILITIES

STEP DOWN OVER UTILITY

Rozelle Interchange
WestConnex

JOHN HOLLAND

CPB CONTRACTORS

DO NOT SCALE

DISCIPLINE	ZONE	CATEGORY	DESIGN PACKAGE	PLOT DATE
SURV	CWL	LSCP	20_01	20/06/23

DRAWN BY	SF
COORDINATE SYSTEM	MGA94 Z56
HEIGHT DATUM	A.H.D
SCALE AT ORIGINAL A3 SIZE	1:

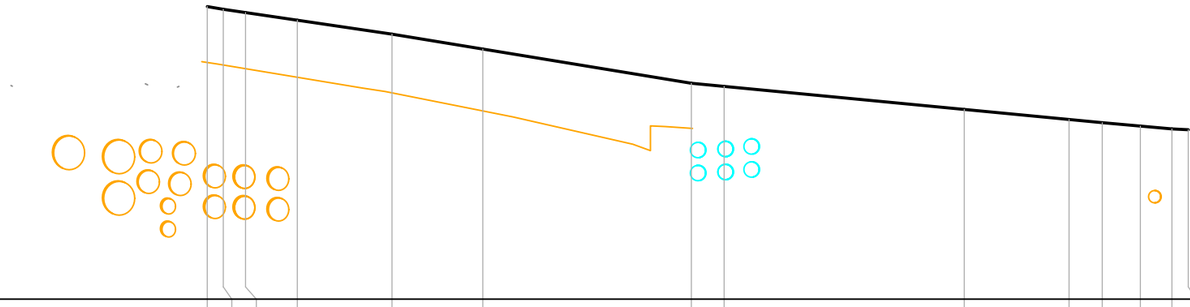
SECTION 1
GATE 12 EAST
WAE UTILITIES WCX3B

SHEET 1 of

REVISION

Plotted: zPLT CRESCENT SOUTH BOUND SECTIONSa001 at 20-Jun-2023 14:32:08

Project: C:\Users\sfoley\Documents_JHCPB WCX3B\Sean Foley's data\12D projects\3B CWL z20 MASTER SF v14



Centreline Data
Y = 6250658.149
X = 331076.006
Z = 3.408

DATUM RL 1.500

CURRENT FINISH SURFACE LEVEL	3.408	3.390	3.369	3.319	3.228	3.131	2.908	2.887	2.737	2.671	2.651	2.628	2.610	2.605
LANDSCAPING MARKER LAYER	3.043	3.027	3.003	2.947	2.845	2.727	2.614							
OFFSET	0.000	0.104	0.250	0.587	1.205	1.797	3.157	3.371	4.937	5.620	5.837	6.085	6.291	6.398

SECTION 2

SURVEYED BY	
INSTRUMENT TYPE	
SERIAL NUMBER	
DATE OF SURVEY	
SIGNATURE	

GENERAL NOTES / REFERENCES

FOR INFORMATION ONLY

MARKER LAYER THICKNESS VARIES FOR WAE UTILITIES

RISES FOR UTILITY

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE

DISCIPLINE	ZONE	CATEGORY	DESIGN PACKAGE	PLOT DATE
SURV	CWL	LSCP	20_01	20/06/23

DRAWN BY: SF
COORDINATE SYSTEM: MGA94 Z56
HEIGHT DATUM: A.H.D
SCALE AT ORIGINAL A3 SIZE: 1:

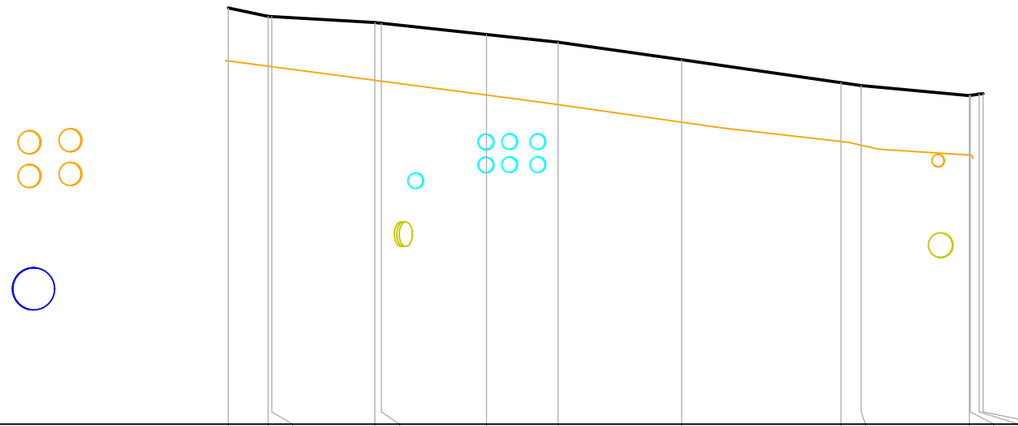
SECTION 2
GATE 12 EAST
WAE UTILITIES WCX3B

SHEET 1 of

REVISION

Plotted: zPLT CRESCENT SOUTH BOUND SECTIONSa001 at 20-Jun-2023 14:56:27

Project: C:\Users\sfoley\Documents_JHCPB WCX3B\Sean Foley's data\12D projects\3B CWL z20 MASTER SF v14



Centreline Data
Y = 6250665.131
X = 331082.427
Z = 3.214

DATUM RL 0.500

CURRENT FINISH SURFACE LEVEL	3.214	3.159	3.158	3.119	3.114	3.041	2.990	2.876	2.727	2.708	2.642	2.643	2.652	2.654
LANDSCAPING MARKER LAYER	2.868	2.834	2.831	2.742	2.736	2.646	2.583	2.469	2.343	2.319	2.255	2.254		
OFFSET	0.000	0.260	0.284	0.956	0.998	1.684	2.151	2.957	3.996	4.128	4.833	4.840	4.898	4.923

SECTION 3

SURVEYED BY	
INSTRUMENT TYPE	
SERIAL NUMBER	
DATE OF SURVEY	
SIGNATURE	

GENERAL NOTES / REFERENCES

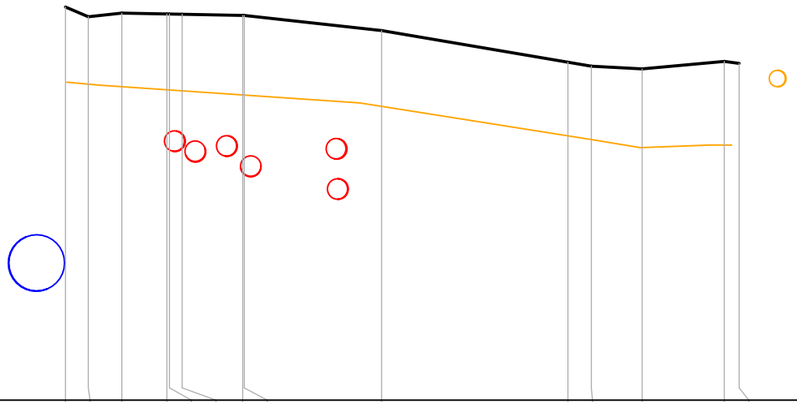
FOR INFORMATION ONLY

MARKER LAYER THICKNESS VARIES FOR WAE UTILITIES

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE	DISCIPLINE SURV	ZONE CWL	CATEGORY LSCP	DESIGN PACKAGE 20_01	PLOT DATE 20/06/23
DRAWN BY SF					
COORDINATE SYSTEM MGA94 Z56					
HEIGHT DATUM A.H.D					
SCALE AT ORIGINAL A3 SIZE 1:	SHEET 1 of				REVISION

SECTION 3
GATE 12 EAST
WAE UTILITIES WCX3B



Centreline Data
Y = 6250672.291
X = 331088.938
Z = 2.923

DATUM RL 1.000

CURRENT FINISH SURFACE LEVEL	2.923	2.875	2.893	2.888	2.888	2.887	2.881	2.881	2.807	2.653	2.633	2.620	2.656	2.647
LANDSCAPING MARKER LAYER		2.545	2.533	2.518	2.517	2.513	2.492	2.492	2.437	2.293	2.274	2.235	2.247	
OFFSET	0.000	0.112	0.276	0.496	0.508	0.571	0.867	0.874	1.546	2.458	2.572	2.821	3.222	3.295

SECTION 4

SURVEYED BY	
INSTRUMENT TYPE	
SERIAL NUMBER	
DATE OF SURVEY	
SIGNATURE	

GENERAL NOTES / REFERENCES

FOR INFORMATION ONLY

MARKER LAYER THICKNESS VARIES FOR WAE UTILITIES

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE

DISCIPLINE	ZONE	CATEGORY	DESIGN PACKAGE	PLOT DATE
SURV	CWL	LSCP	20_01	20/06/23

DRAWN BY
SF

COORDINATE SYSTEM
MGA94 Z56

HEIGHT DATUM
A.H.D

SCALE AT ORIGINAL A3 SIZE
1:

SECTION 4
GATE 12 EAST
WAE UTILITIES WCX3B

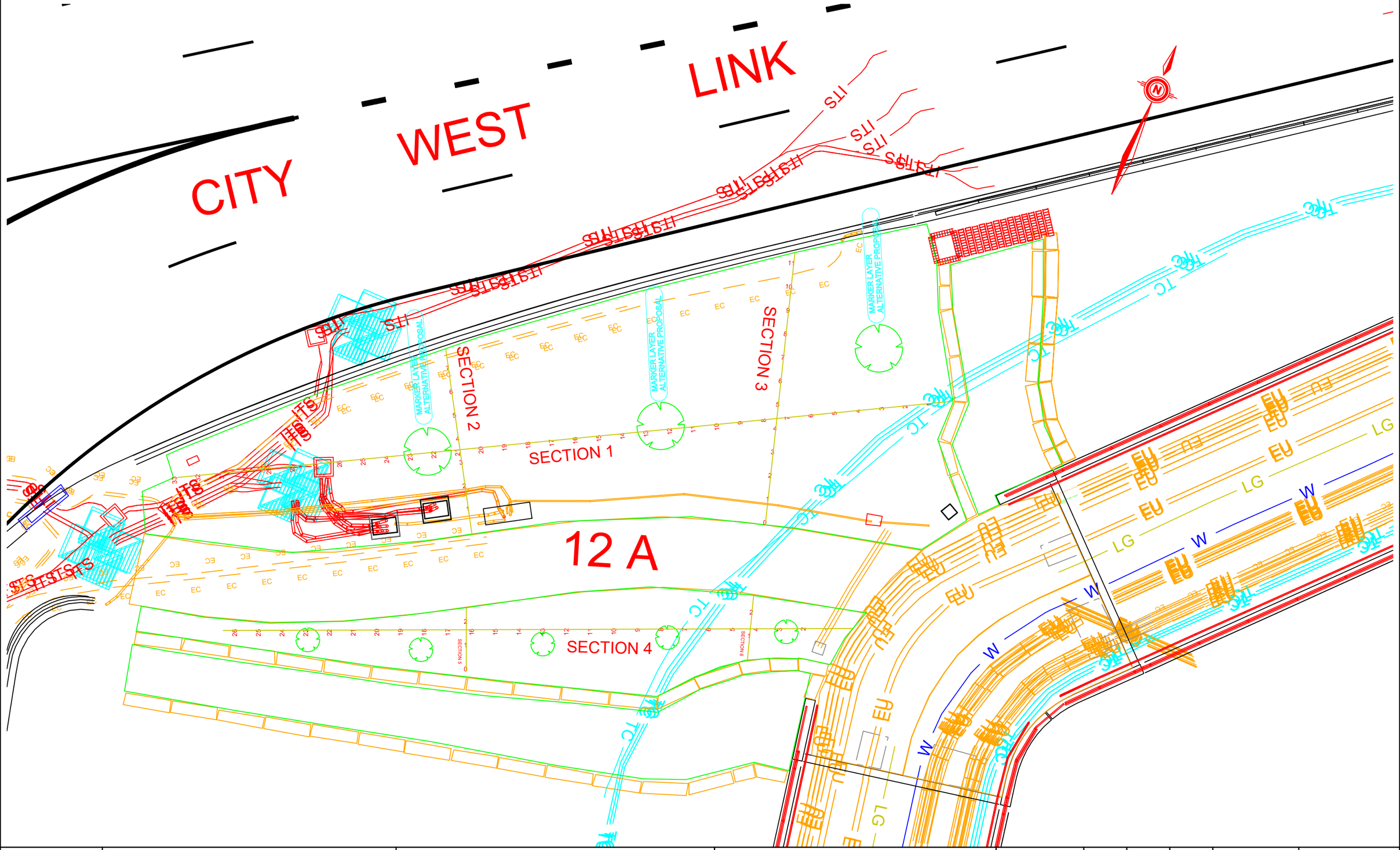
SHEET 1 of

REVISION

Plotted: zPLT CRESCENT SOUTH BOUND SECTIONSa001 at 20-Jun-2023 14:59:17

Project: C:\Users\sfoley\Documents_JHCPB WCX3B\Sean Foley's data\12D projects\3B CWL z20 MASTER SF v14

F3 AREA 3



SURVEYED BY	
INSTRUMENT TYPE	
SERIAL NUMBER	
DATE OF SURVEY	
SIGNATURE	

GENERAL NOTES / REFERENCES

FOR INFORMATION ONLY FOR :

RP

EXTENT OF MARKER LAYER

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE

DISCIPLINE	ZONE	CATEGORY	DESIGN PACKAGE	PLOT DATE
SURV	CWL	LSC	00_20	21/06/23

DRAWN BY: SF
COORDINATE SYSTEM: MGA94 Z56
HEIGHT DATUM: A.H.D
SCALE AT ORIGINAL A3 SIZE: 1:150

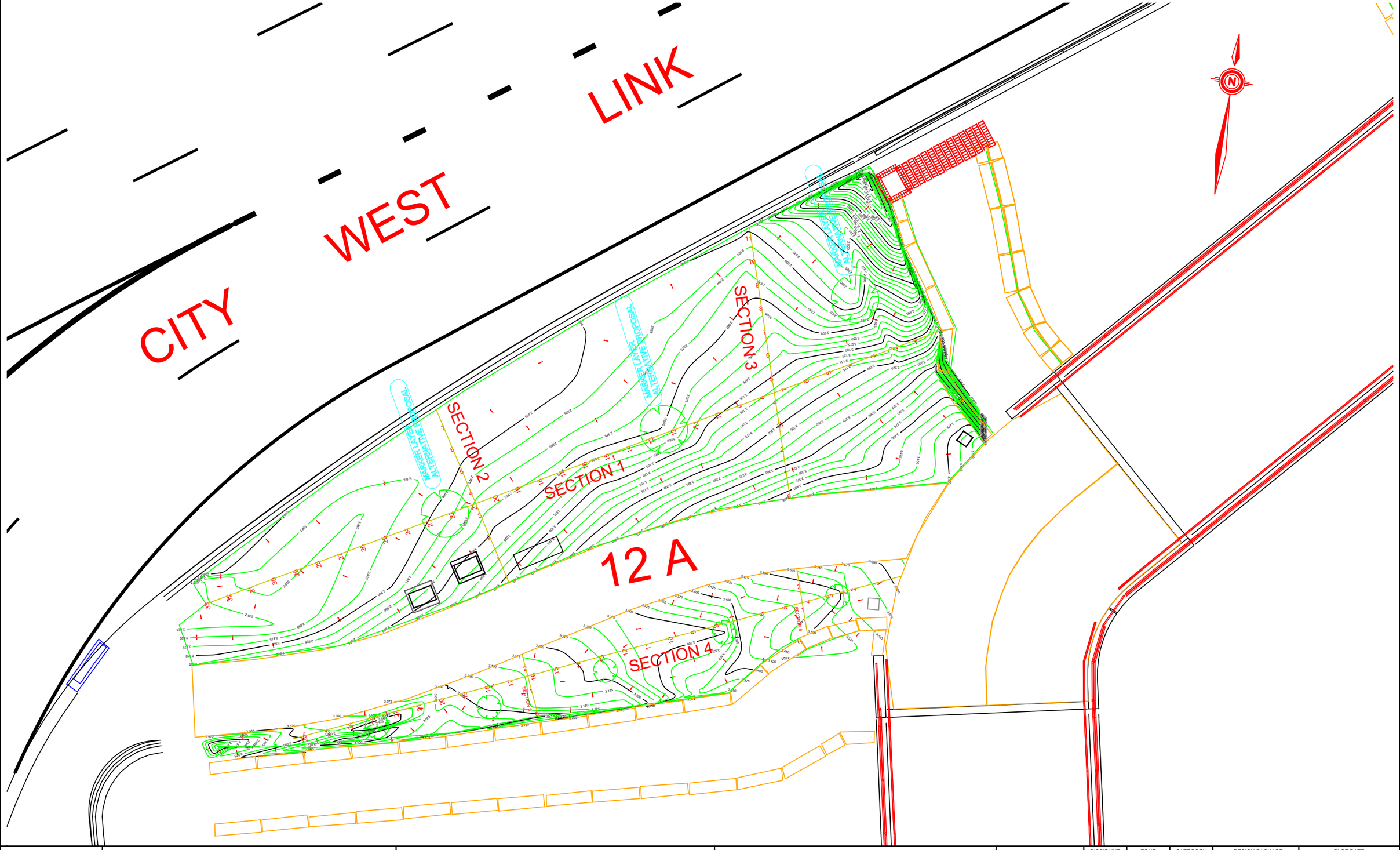
GATE 12A
LANDSCAPING

SHEET 1 of 1

REVISION

Plotted: SF PLOT1 at Wed Jun 21 15:56:54 2023

Project: C:\Users\sfoley\Documents_JHCPB WCX3B\Sean Foley's data\12D projects\3B CWL z20 MASTER SF v14



SURVEYED BY	
INSTRUMENT TYPE	
SERIAL NUMBER	
DATE OF SURVEY	
SIGNATURE	

GENERAL NOTES / REFERENCES

FOR INFORMATION ONLY

FOR : RP

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE

DISCIPLINE	ZONE	CATEGORY	DESIGN PACKAGE	PLOT DATE
SURV	CWL	LSC	00_20	16/06/23

DRAWN BY: SF
COORDINATE SYSTEM: MGA94 Z56
HEIGHT DATUM: A.H.D
SCALE AT ORIGINAL A3 SIZE: 1:150

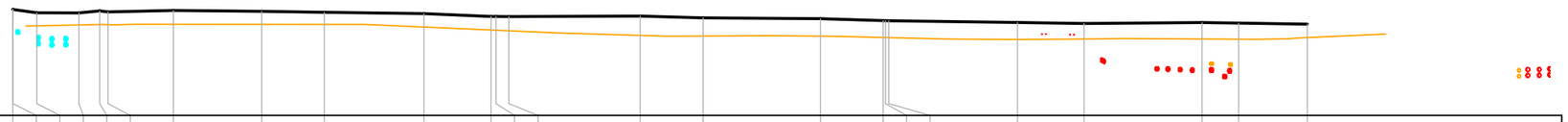
TOPOGRAPHICAL SURVEY
GATE 12A

SHEET 1 of 1

REVISION

Plotted: SF PLOT1 at Fri Jun 23 14:11:42 2023

Project: C:\Users\sfoley\Documents_JHCPB WCX3B\Sean Foley's data\12D projects\3B CWL z20 MASTER SF v14



Centreline Data
Y = 6250638.560
X = 331051.842
Z = null

DATUM RL 0.500

CURRENT FINISH SURFACE LEVEL	3.202	3.197	3.112	3.109	3.161	3.134	3.172	3.149	3.125	3.091	3.018	3.018	3.015	3.028	2.983	2.962	2.913	2.912	2.909	2.866	2.840	2.864	2.850	2.823
LANDSCAPING MARKER LAYER			2.780	2.803	2.814	2.810	2.818	2.817	2.816	2.749	2.674	2.668	2.654	2.536	2.520	2.518	2.484	2.482	2.480	2.434	2.444	2.445	2.439	2.482
OFFSET	0.071	0.075	0.684	1.760	2.291	2.501	4.169	6.426	8.024	10.569	12.281	12.409	12.736	16.090	17.695	20.693	22.292	22.352	22.437	25.724	27.423	30.434	31.370	33.124

SECTION 1

SURVEYED BY	
INSTRUMENT TYPE	
SERIAL NUMBER	
DATE OF SURVEY	
SIGNATURE	

GENERAL NOTES / REFERENCES

FOR INFORMATION ONLY

MARKER LAYER THICKNESS VARIES FOR WAE UTILITIES

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE	DISCIPLINE	ZONE	CATEGORY	DESIGN PACKAGE	PLOT DATE
	SURV	CWL	LSCP	20_01	21/06/23

DRAWN BY
SF
COORDINATE SYSTEM
MGA94 Z56
HEIGHT DATUM
A.H.D
SCALE AT ORIGINAL A3 SIZE
1:

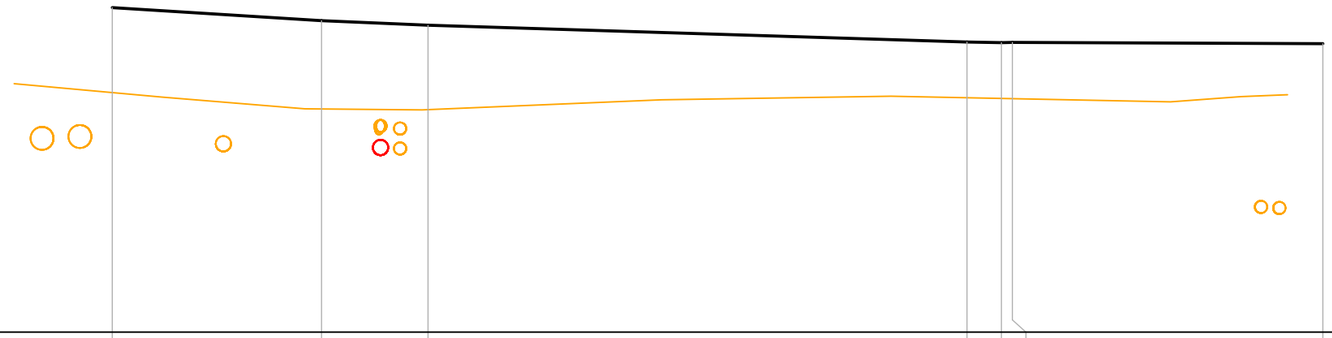
SECTION 1
GATE 12A
WAE UTILITIES WCX3B

SHEET 1 of

REVISION

Plotted: zPLT CRESCENT SOUTH BOUND SECTIONSa001 at 21-Jun-2023 15:23:41

Project: C:\Users\sfoley\Documents_JHCPB WCX3B\Sean Foley's data\12D projects\3B CWL z20 MASTER SF v14



Centreline Data
Y = 6250625.268
X = 331035.413
Z = null

DATUM RL 1.000

CURRENT FINISH SURFACE LEVEL	3.116	3.031	3.001	2.892	2.888	2.889	2.881
LANDSCAPING MARKER LAYER	2.562	2.455	2.451	2.528	2.524	2.522	
OFFSET	0.026	1.391	2.085	5.600	5.825	5.896	7.921

SECTION 2

SURVEYED BY	
INSTRUMENT TYPE	
SERIAL NUMBER	
DATE OF SURVEY	
SIGNATURE	

GENERAL NOTES / REFERENCES

FOR INFORMATION ONLY

MARKER LAYER THICKNESS VARIES FOR WAE UTILITIES

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE	DISCIPLINE	ZONE	CATEGORY	DESIGN PACKAGE	PLOT DATE
	SURV	CWL	LSCP	20_01	21/06/23

DRAWN BY
SF

COORDINATE SYSTEM
MGA94 Z56

HEIGHT DATUM
A.H.D

SCALE AT ORIGINAL A3 SIZE
1:

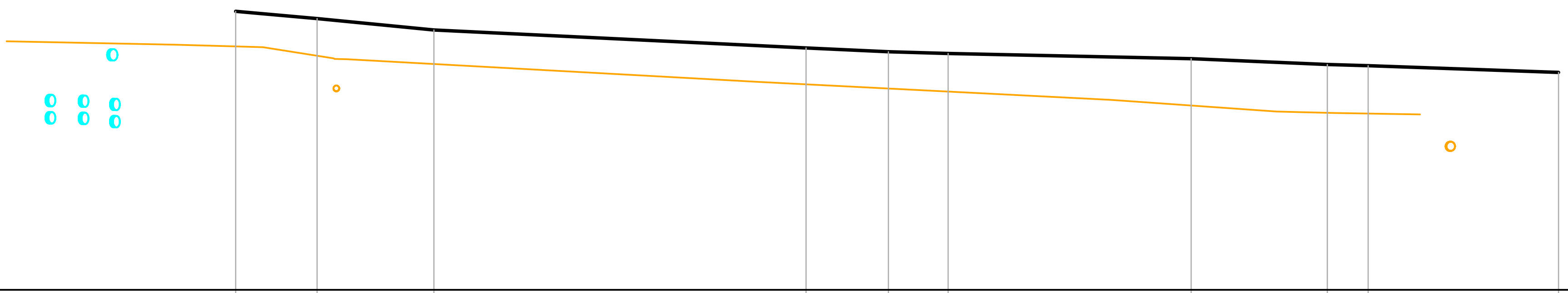
SECTION 2
GATE 12A
WAE UTILITIES WCX3B

SHEET 1 of

REVISION

Plotted: zPLT CRESCENT SOUTH BOUND SECTIONSa001 at 21-Jun-2023 15:26:10

Project: C:\Users\sfoley\Documents_JHCPB WCX3B\Sean Foley's data\12D projects\3B CWL z20 MASTER SF v14



Centreline Data
Y = 6250630.587
X = 331046.597
Z = 3.429

DATUM RL 1.000

CURRENT FINISH SURFACE LEVEL	3.429	3.366	3.266	3.109	3.076	3.061	3.016	2.965	2.955	2.896
LANDSCAPING MARKER LAYER	3.123	3.041	2.969	2.792	2.756	2.729	2.607	2.544	2.537	
OFFSET	0.000	0.711	1.731	4.980	5.700	6.221	8.343	9.532	9.888	11.551

SECTION 3

SURVEYED BY	
INSTRUMENT TYPE	
SERIAL NUMBER	
DATE OF SURVEY	
SIGNATURE	

GENERAL NOTES / REFERENCES

FOR INFORMATION ONLY

MARKER LAYER THICKNESS VARIES FOR WAE UTILITIES

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE

DISCIPLINE	ZONE	CATEGORY	DESIGN PACKAGE	PLOT DATE
SURV	CWL	LSCP	20_01	21/06/23

DRAWN BY: SF
COORDINATE SYSTEM: MGA94 Z56
HEIGHT DATUM: A.H.D
SCALE AT ORIGINAL A3 SIZE: 1:

SECTION 3
GATE 12A
WAE UTILITIES WCX3B

SHEET 1 of

REVISION

Plotted: zPLT CRESCENT SOUTH BOUND SECTIONSa001 at 21-Jun-2023 15:35:20

Project: C:\Users\sfoley\Documents_JHCPB WCX3B\Sean Foley's data\12D projects\3B CWL z20 MASTER SF v14

Centreline Data
Y = 6250628.056
X = 331051.736
Z = null

DATUM RL 2.000

CURRENT FINISH SURFACE LEVEL	3.613	3.557	3.549	3.488	3.479	3.411	3.405	3.328	3.297	3.297	3.294	3.236	3.178	3.163	3.151	3.108	3.085	3.090	3.016	3.044	3.026	2.995
LANDSCAPING MARKER LAYER		3.193	3.171	3.158	3.147	3.021	3.019	3.012	2.915	2.888	2.888	2.934	2.760	2.731	2.712	2.645	2.661	2.670	2.708	2.732	2.690	2.643
OFFSET	0.020	1.873	2.413	2.743	3.031	7.060	7.165	7.645	8.599	10.899	11.154	12.801	15.052	15.829	16.342	19.047	19.696	20.050	21.527	23.464	25.130	26.583

SECTION 4

SURVEYED BY	
INSTRUMENT TYPE	
SERIAL NUMBER	
DATE OF SURVEY	
SIGNATURE	

GENERAL NOTES / REFERENCES

FOR INFORMATION ONLY

MARKER LAYER THICKNESS VARIES FOR WAE UTILITIES

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE

DISCIPLINE	ZONE	CATEGORY	DESIGN PACKAGE	PLOT DATE
SURV	CWL	LSCP	20_01	21/06/23

DRAWN BY
SF

COORDINATE SYSTEM
MGA94 Z56

HEIGHT DATUM
A.H.D

SCALE AT ORIGINAL A3 SIZE
1:

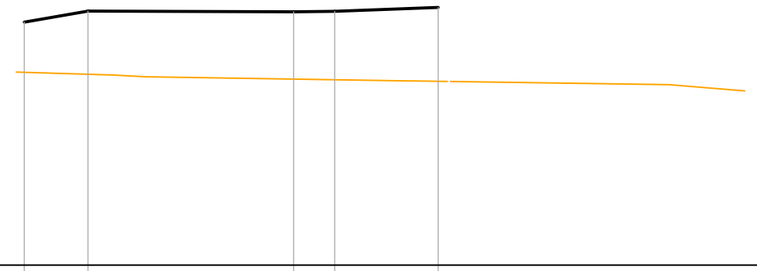
SECTION 4
GATE 12A
WAE UTILITIES WCX3B

SHEET 1 of

REVISION

Plotted: zPLT CRESCENT SOUTH BOUND SECTIONSa001 at 21-Jun-2023 15:14:20

Project: C:\Users\sfoley\Documents_JHCPB WCX3B\Sean Foley's data\12D projects\3B CWL z20 MASTER SF v14



Centreline Data

Y = 6250619.896

X = 331037.486

Z = 3.084

DATUM RL 1.500

CURRENT FINISH SURFACE LEVEL	3.084	3.156	3.152	3.155	3.180	
LANDSCAPING MARKER LAYER	2.757	2.745	2.713	2.709	2.699	
OFFSET	0.000	0.416	1.757	2.024	2.699	

SECTION 5

SURVEYED BY	
INSTRUMENT TYPE	
SERIAL NUMBER	
DATE OF SURVEY	
SIGNATURE	

GENERAL NOTES / REFERENCES

FOR INFORMATION ONLY

MARKER LAYER THICKNESS VARIES FOR WAE UTILITIES

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE

DISCIPLINE	ZONE	CATEGORY	DESIGN PACKAGE	PLOT DATE
SURV	CWL	LSCP	20_01	21/06/23

DRAWN BY: SF

COORDINATE SYSTEM: MGA94 Z56

HEIGHT DATUM: A.H.D

SCALE AT ORIGINAL A3 SIZE: 1:

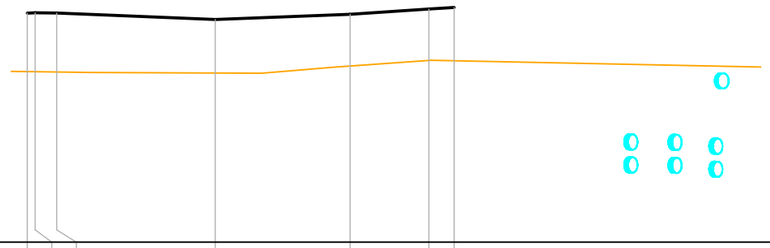
SECTION 5
GATE 12A
WAE UTILITIES WCX3B

SHEET 1 of

REVISION

Plotted: zPLT CRESCENT SOUTH BOUND SECTIONSa001 at 21-Jun-2023 15:19:42

Project: C:\Users\sfoley\Documents_JHCPB WCX3B\Sean Foley's data\12D projects\3B CWL z20 MASTER SF v14



Centreline Data
Y = 6250624.982
X = 331048.202
Z = null

DATUM RL 2.000

CURRENT FINISH SURFACE LEVEL	3.493	3.496	3.494	3.452	3.486	3.520	3.530
LANDSCAPING MARKER LAYER	3.112	3.111	3.109	3.103	3.148	3.185	3.183
OFFSET	0.036	0.087	0.228	1.262	2.141	2.655	2.820

SECTION 6

SURVEYED BY	
INSTRUMENT TYPE	
SERIAL NUMBER	
DATE OF SURVEY	
SIGNATURE	

GENERAL NOTES / REFERENCES

FOR INFORMATION ONLY

MARKER LAYER THICKNESS VARIES FOR WAE UTILITIES

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE	DISCIPLINE	ZONE	CATEGORY	DESIGN PACKAGE	PLOT DATE
	SURV	CWL	LSCP	20_01	21/06/23

DRAWN BY
SF

COORDINATE SYSTEM
MGA94 Z56

HEIGHT DATUM
A.H.D

SCALE AT ORIGINAL A3 SIZE
1:

SECTION 6
GATE 12A
WAE UTILITIES WCX3B

SHEET 1 of

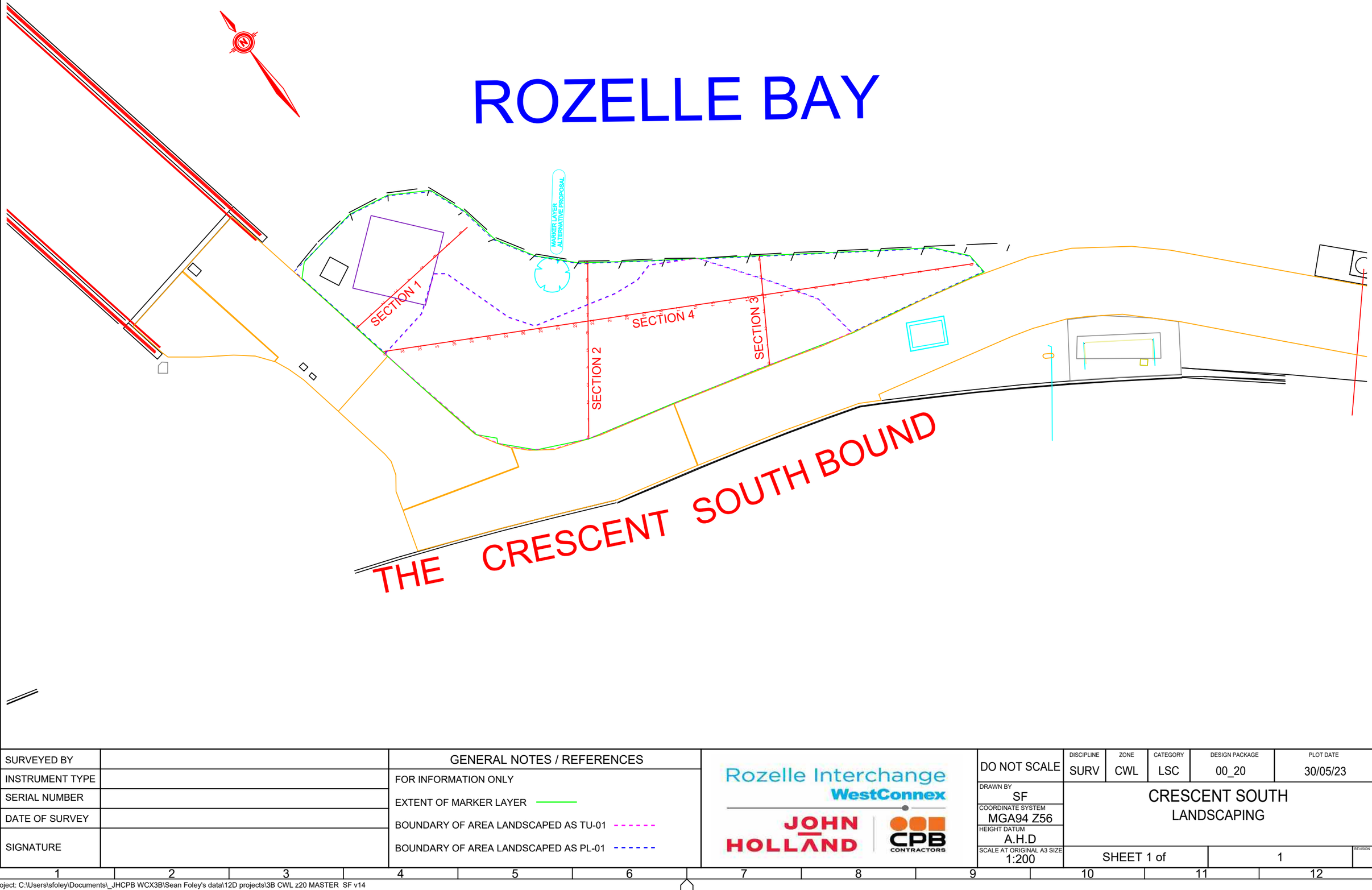
REVISION

Plotted: zPLT CRESCENT SOUTH BOUND SECTIONSa001 at 21-Jun-2023 15:21:51

Project: C:\Users\sfoley\Documents_JHCPB WCX3B\Sean Foley's data\12D projects\3B CWL z20 MASTER SF v14

F4 AREA 4

ROZELLE BAY



SURVEYED BY	
INSTRUMENT TYPE	
SERIAL NUMBER	
DATE OF SURVEY	
SIGNATURE	

GENERAL NOTES / REFERENCES

FOR INFORMATION ONLY

EXTENT OF MARKER LAYER

BOUNDARY OF AREA LANDSCAPED AS TU-01

BOUNDARY OF AREA LANDSCAPED AS PL-01

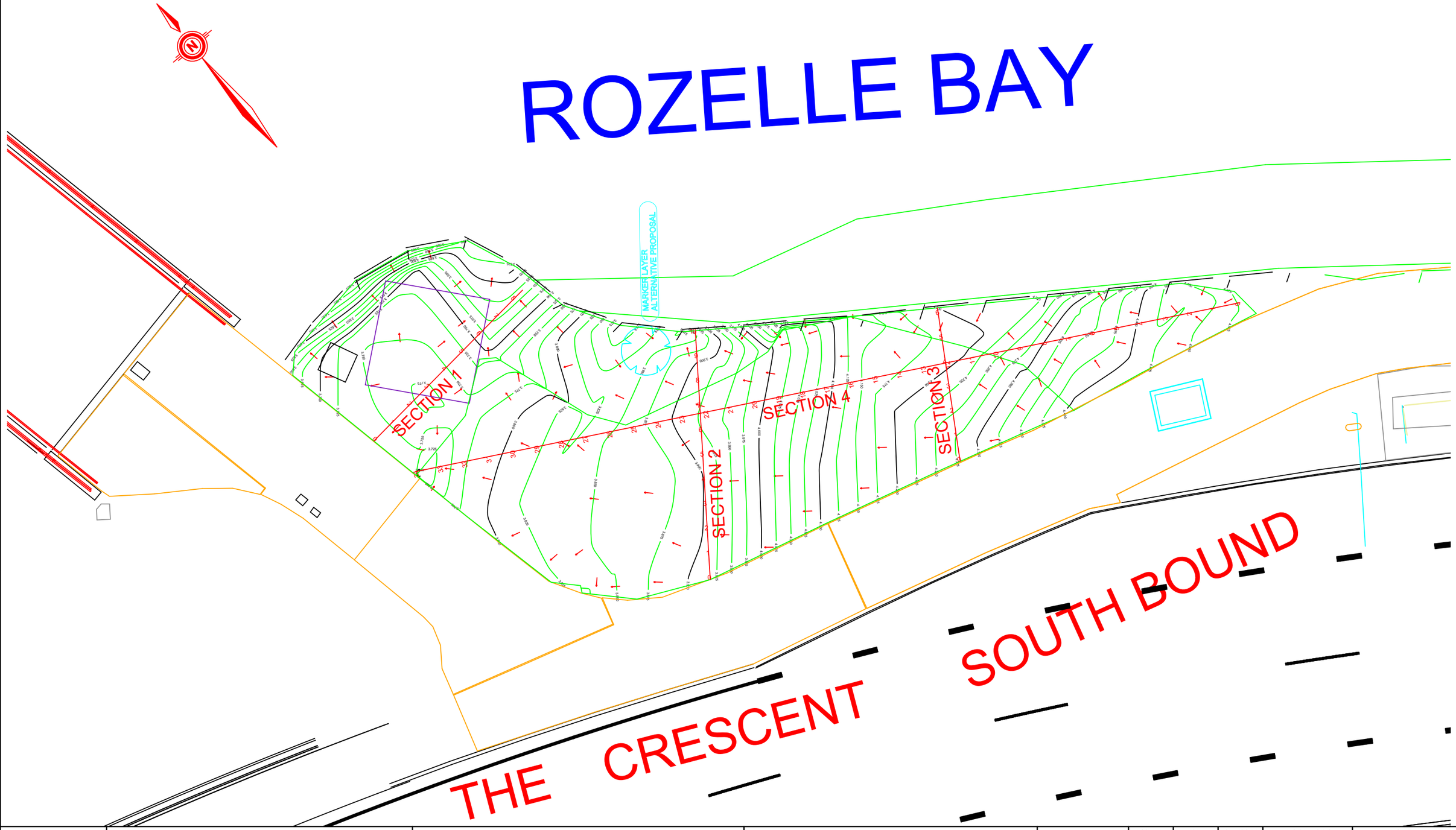
Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE	DISCIPLINE: SURV	ZONE: CWL	CATEGORY: LSC	DESIGN PACKAGE: 00_20	PLOT DATE: 30/05/23
DRAWN BY: SF	CRESCENT SOUTH LANDSCAPING				
COORDINATE SYSTEM: MGA94 Z56					
HEIGHT DATUM: A.H.D					
SCALE AT ORIGINAL A3 SIZE: 1:200	SHEET 1 of 1				REVISION

Plotted: SF PLOT1 at Tue May 30 11:28:40 2023

Project: C:\Users\sfoley\Documents_JHCPB WCX3B\Sean Foley's data\12D projects\3B CWL z20 MASTER SF v14

ROZELLE BAY



SURVEYED BY	
INSTRUMENT TYPE	
SERIAL NUMBER	
DATE OF SURVEY	
SIGNATURE	

GENERAL NOTES / REFERENCES

FOR INFORMATION ONLY

FOR : RP

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE

DISCIPLINE	ZONE	CATEGORY	DESIGN PACKAGE	PLOT DATE
SURV	CWL	LSC	00_20	23/06/23

DRAWN BY: SF
COORDINATE SYSTEM: MGA94 Z56
HEIGHT DATUM: A.H.D
SCALE AT ORIGINAL A3 SIZE: 1:150

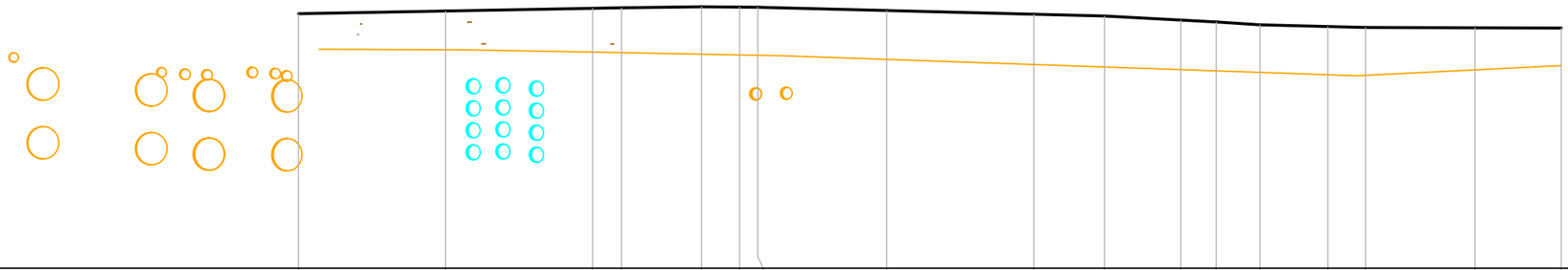
TOPOGRAPHICAL SURVEY
CRESCENT SOUTHBOUND

SHEET 1 of 1

REVISION

Plotted: SF PLOT1 at Fri Jun 23 11:30:56 2023

Project: C:\Users\sfoley\Documents_JHCPB WCX3B\Sean Foley's data\12D projects\3B CWL z20 MASTER SF v14



Centreline Data
Y = 6250593.275
X = 331066.377
Z = 3.733

DATUM RL 2.000

CURRENT FINISH SURFACE LEVEL	3.733	3.752	3.770	3.774	3.780	3.778	3.777	3.755	3.730	3.718	3.690	3.677	3.658	3.646	3.640	3.637	3.636
LANDSCAPING MARKER LAYER		3.488	3.472	3.468	3.458	3.453	3.450	3.422	3.387	3.371	3.352	3.344	3.334	3.318	3.314	3.351	3.380
OFFSET	0.000	1.000	2.000	2.196	2.741	3.000	3.123	4.000	5.000	5.481	6.000	6.241	6.539	7.000	7.256	8.000	8.587

SECTION 1

SURVEYED BY	
INSTRUMENT TYPE	
SERIAL NUMBER	
DATE OF SURVEY	
SIGNATURE	

GENERAL NOTES / REFERENCES

FOR INFORMATION ONLY

FOR:RP

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE

DISCIPLINE	ZONE	CATEGORY	DESIGN PACKAGE	PLOT DATE
SURV	CWL	LSCP	20_01	31/05/23

DRAWN BY
SF

COORDINATE SYSTEM
MGA94 Z56

HEIGHT DATUM
A.H.D

SCALE AT ORIGINAL A3 SIZE
1:

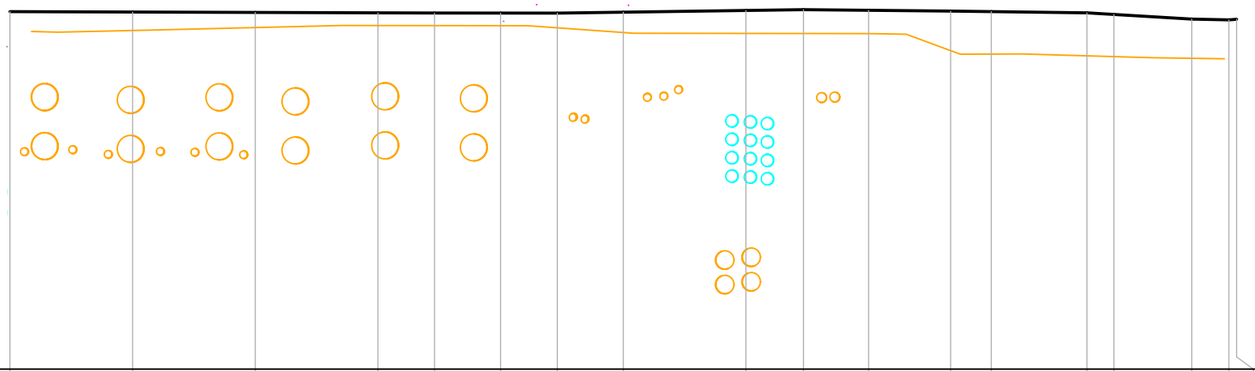
SECTION 1
CRESCENT SOUTHBOUND
WAE UTILITIES WCX3B

SHEET 1 of

REVISION

Plotted: 000000001 at 22-Jun-2023 09:51:10

Project: C:\Users\sfoley\Documents_JHCPB WCX3B\Sean Foley's data\12D projects\3B CWL z20 MASTER SF v14



Centreline Data

Y = 6250580.211

X = 331073.221

Z = 3.914

DATUM RL 1.000

CURRENT FINISH SURFACE LEVEL	3.914	3.911	3.907	3.904	3.903	3.902	3.902	3.909	3.923	3.930	3.925	3.918	3.914	3.904	3.891	3.853	3.847	3.851	
LANDSCAPING MARKER LAYER		3.760	3.784	3.801	3.800	3.799	3.782	3.744	3.736	3.736	3.735	3.596	3.568	3.554	3.547	3.533			
OFFSET	0.000	1.000	2.000	3.000	3.461	4.000	4.462	5.000	6.000	6.469	7.000	7.669	8.000	8.780	9.000	9.635	9.937	10.000	

SECTION 2

SURVEYED BY	
INSTRUMENT TYPE	
SERIAL NUMBER	
DATE OF SURVEY	
SIGNATURE	

GENERAL NOTES / REFERENCES

FOR INFORMATION ONLY

FOR:RP

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE

DISCIPLINE	ZONE	CATEGORY	DESIGN PACKAGE	PLOT DATE
SURV	CWL	LSCP	20_01	31/05/23

DRAWN BY: SF

COORDINATE SYSTEM: MGA94 Z56

HEIGHT DATUM: A.H.D

SCALE AT ORIGINAL A3 SIZE: 1:

SECTION 2
CRESCENT SOUTH BOUND
WAE UTILITIES WCX3B

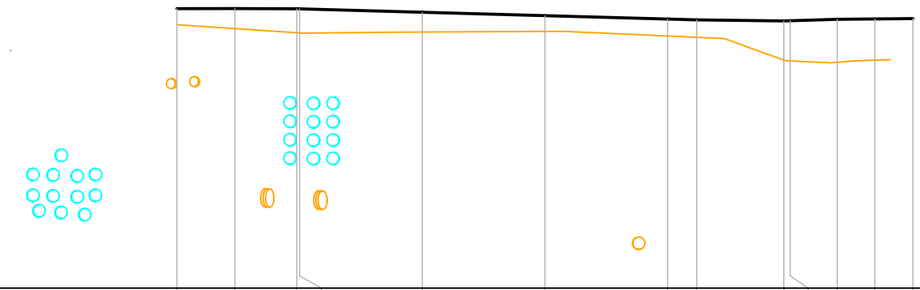
SHEET 1 of

REVISION

Plotted: zPLT CRESCENT SOUTH BOUND SECTIONSa001 at 31-May-2023 14:30:23

Project: C:\Users\sfoley\Documents_JHCPB WCX3B\Sean Foley's data\12D projects\3B CWL z20 MASTER SF v14

Centreline Data
Y = 6250577.383
X = 331084.064
Z = 4.278



DATUM RL 2.000

CURRENT FINISH SURFACE LEVEL	4.278	4.279	4.277	4.276	4.249	4.221	4.193	4.187	4.178	4.179	4.191	4.194	4.197
LANDSCAPING MARKER LAYER	4.147	4.115	4.082	4.080	4.087	4.092	4.055	4.044	3.859	3.852	3.841	3.858	
OFFSET	0.000	0.473	0.977	1.000	2.000	3.000	4.000	4.237	4.948	5.000	5.383	5.690	6.000

SECTION 3

SURVEYED BY	
INSTRUMENT TYPE	
SERIAL NUMBER	
DATE OF SURVEY	
SIGNATURE	

GENERAL NOTES / REFERENCES

FOR INFORMATION ONLY

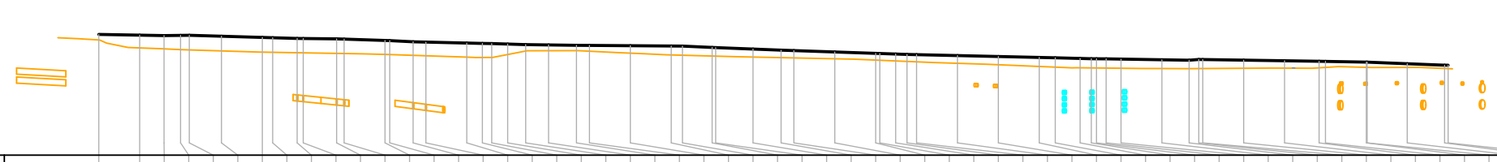
FOR:RP

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE	DISCIPLINE SURV	ZONE CWL	CATEGORY LSCP	DESIGN PACKAGE 20_01	PLOT DATE 31/05/23
DRAWN BY SF COORDINATE SYSTEM MGA94 Z56 HEIGHT DATUM A.H.D	SECTION 3 CRESCENT SOUTH BOUND WAE UTILITIES WCX3B				
SCALE AT ORIGINAL A3 SIZE 1:	SHEET 1 of				REVISION

Plotted: zPLT CRESCENT SOUTH BOUND SECTIONSa001 at 31-May-2023 14:28:43

Project: C:\Users\sfoley\Documents_JHCPB WCX3B\Sean Foley's data\12D projects\3B CWL z20 MASTER SF v14



Centreline Data
Y = 6250575.506
X = 331096.002
Z = 4.452

DATUM RL 1.500

CURRENT FINISH SURFACE LEVEL	4.452	4.434	4.423	4.428	4.431	4.408	4.378	4.371	4.353	4.352	4.343	4.337	4.304	4.300	4.272
LANDSCAPING MARKER LAYER	4.317	4.122	4.099	4.080	4.073	4.049	4.019	4.014	4.004	4.002	3.988	3.985	3.963	3.959	3.940
OFFSET	0.000	1.000	1.596	2.000	2.214	3.000	4.000	4.253	4.851	5.000	5.817	6.000	7.000	7.116	7.687

CURRENT FINISH SURFACE LEVEL	4.264	4.241	4.232	4.228	4.216	4.202	4.195	4.185	4.183	4.176	4.168	4.166	4.133	4.129	4.094
LANDSCAPING MARKER LAYER	3.930	3.897	3.888	3.889	3.960	4.046	4.053	4.055	4.041	3.994	3.950	3.943	3.923	3.921	3.899
OFFSET	8.000	9.000	9.381	9.610	10.000	10.440	11.000	11.682	12.000	13.000	14.000	14.275	15.000	15.087	16.000

CURRENT FINISH SURFACE LEVEL	4.067	4.057	4.023	3.989	3.985	3.972	3.962	3.957	3.934	3.912	3.889	3.880	3.864	3.857	3.856
LANDSCAPING MARKER LAYER	3.884	3.877	3.856	3.824	3.820	3.803	3.792	3.782	3.745	3.711	3.668	3.652	3.636	3.633	3.632
OFFSET	16.687	17.000	18.000	19.000	19.101	19.489	19.766	20.000	21.000	22.000	23.000	23.392	24.000	24.274	24.400

CURRENT FINISH SURFACE LEVEL	3.855	3.849	3.832	3.821	3.839	3.838	3.823	3.808	3.795	3.792	3.774	3.774	3.735	3.699	3.698
LANDSCAPING MARKER LAYER	3.629	3.625	3.618	3.615	3.617	3.618	3.624	3.628	3.635	3.645	3.646	3.646	3.645	3.619	3.615
OFFSET	24.636	25.000	26.000	26.666	26.902	27.000	28.000	29.000	29.844	30.000	31.000	31.020	32.000	32.913	33.000

SECTION 4

SURVEYED BY	
INSTRUMENT TYPE	
SERIAL NUMBER	
DATE OF SURVEY	
SIGNATURE	

GENERAL NOTES / REFERENCES

FOR INFORMATION ONLY

FOR:RP

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE	DISCIPLINE SURV	ZONE CWL	CATEGORY LSCP	DESIGN PACKAGE 20_01	PLOT DATE 31/05/23
DRAWN BY SF					
COORDINATE SYSTEM MGA94 Z56					
HEIGHT DATUM A.H.D					
SCALE AT ORIGINAL A3 SIZE 1:	SHEET 1 of			REVISION	

SECTION 4
CRESCENT SOUTH BOUND
WAE UTILITIES WCX3B

Plotted: zPLT CRESCENT SOUTH BOUND SECTIONSa001 at 31-May-2023 14:33:37

F5 AREA 5

SURVEYED BY	
INSTRUMENT TYPE	
SERIAL NUMBER	
DATE OF SURVEY	
SIGNATURE	

GENERAL NOTES / REFERENCES

FOR INFORMATION ONLY

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE

DISCIPLINE	ZONE	CATEGORY	DESIGN PACKAGE	PLOT DATE
SURV	CWL	LSC	00_20	13/10/23

DRAWN BY: SF
COORDINATE SYSTEM: MGA94 Z56
HEIGHT DATUM: A.H.D
SCALE AT ORIGINAL A3 SIZE: 1:100

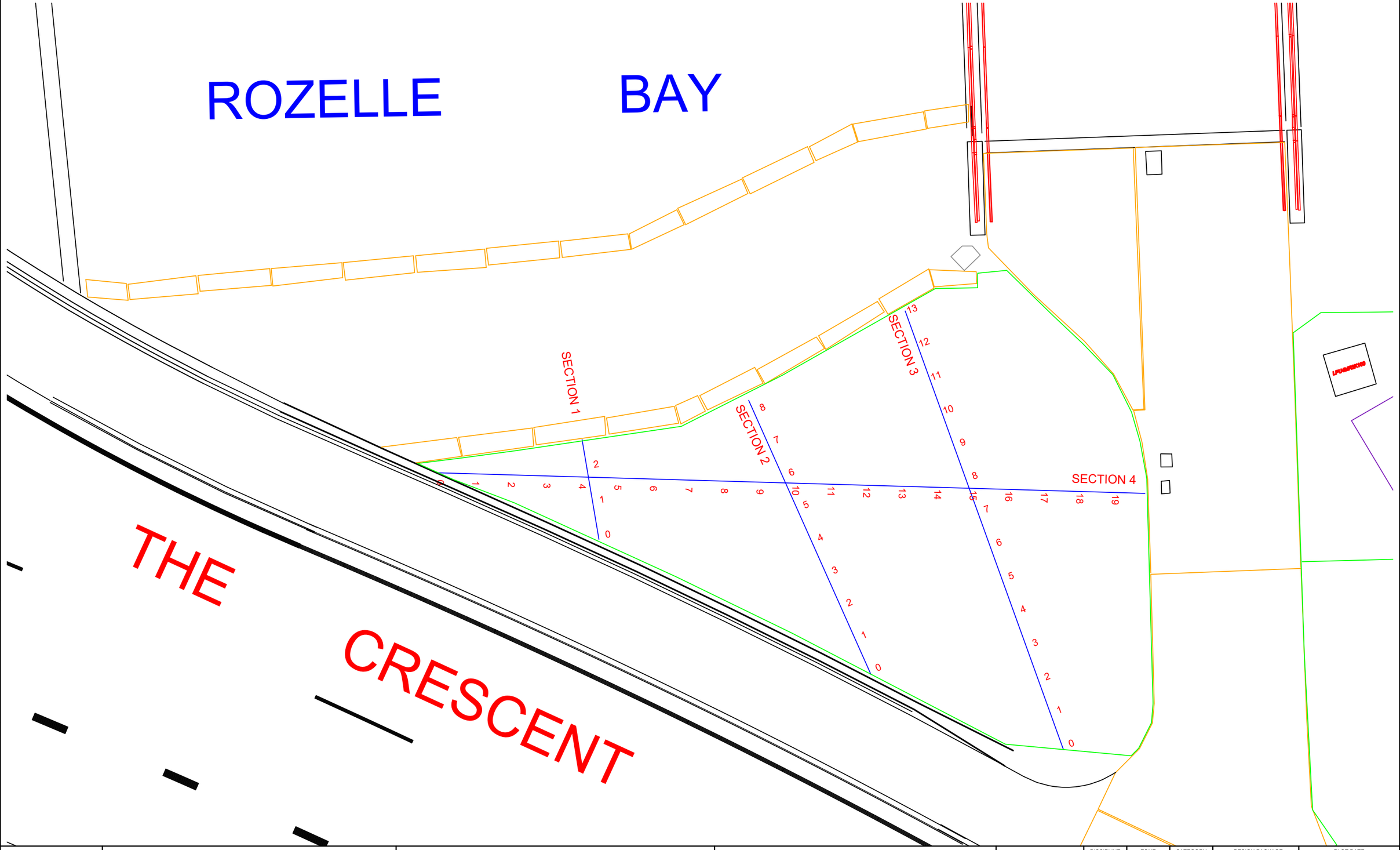
AREA 5
TOPOGRAPHICAL
RASTER

SHEET 1 of 1

REVISION

Plotted: at Tue Oct 17 14:21:21 2023

Project: C:\Users\sfoley\Documents_JHCPB WCX3B\Sean Foley's data\12D projects\3B CWL z20 MASTER 8F v14



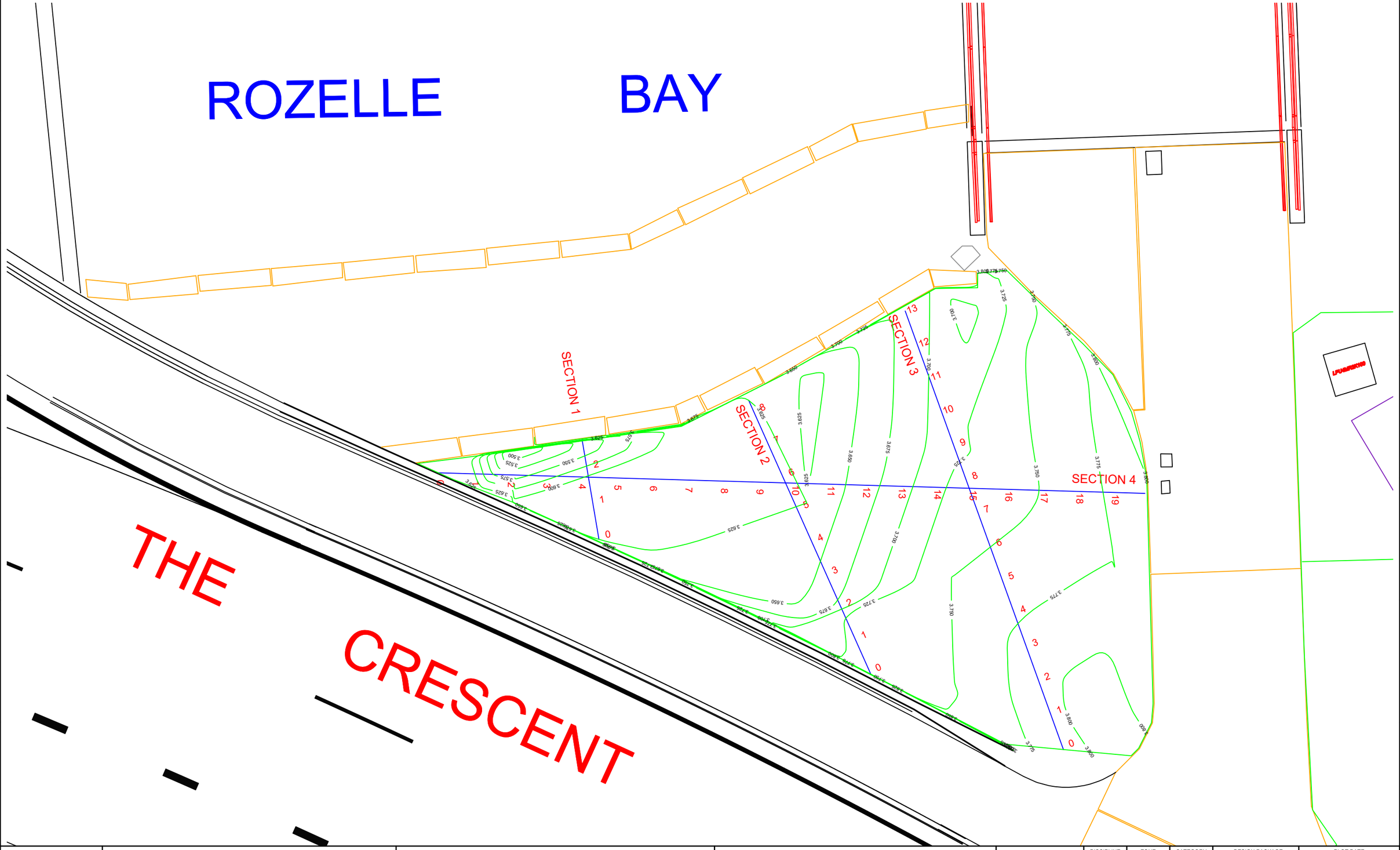
		GENERAL NOTES / REFERENCES
SURVEYED BY		FOR INFORMATION ONLY
INSTRUMENT TYPE		
SERIAL NUMBER		
DATE OF SURVEY		
SIGNATURE		

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE	DISCIPLINE: SURV	ZONE: CWL	CATEGORY: LSC	DESIGN PACKAGE: 00_20	PLOT DATE: 13/10/23
DRAWN BY: SF	AREA 5 LANDSCAPING SECTIONS				
COORDINATE SYSTEM: MGA94 Z56					
HEIGHT DATUM: A.H.D					
SCALE AT ORIGINAL A3 SIZE: 1:100	SHEET 1 of	1	REVISION		

Plotted: C:\Users\sfoley\John Holland Group\Survey - 20 CWL\Landcaping Closeout\14 . Area 5\PLT PLAN LANDSCAPING SECTIONS AREA 5 23107.dat Tue Oct 17 09:53:36 2023

Project: C:\Users\sfoley\Documents_JHCPB WCX3B\Sean Foley's data\12D projects\3B CWL z20 MASTER SF v14



		GENERAL NOTES / REFERENCES
SURVEYED BY		FOR INFORMATION ONLY
INSTRUMENT TYPE		
SERIAL NUMBER		
DATE OF SURVEY		
SIGNATURE		

Rozelle Interchange
WestConnex
JOHN HOLLAND
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DO NOT SCALE

DISCIPLINE	ZONE	CATEGORY	DESIGN PACKAGE	PLOT DATE
SURV	CWL	LSC	00_20	13/10/23

DRAWN BY: SF
COORDINATE SYSTEM: MGA94 Z56
HEIGHT DATUM: A.H.D
SCALE AT ORIGINAL A3 SIZE: 1:100

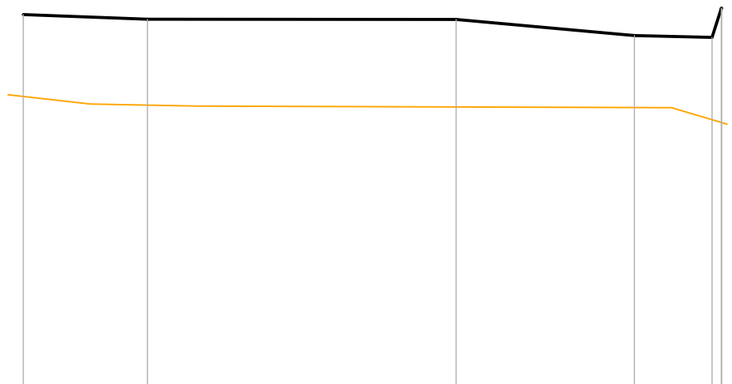
AREA 5
TOPOGRAPHICAL SECTION

SHEET 1 of 1

REVISION

Plotted: C:\Users\sfoley\John Holland Group\Survey - 20 CWL\Landcaping Closeout\14 . Area 5\PLT PLAN TOPOGRAPHICAL AREA 5 2310171 at Tue Oct 17 09:59:16 2023

Project: C:\Users\sfoley\Documents_JHCPB WCX3B\Sean Foley's data\12D projects\3B CWL z20 MASTER SF v14



Centreline Data

Y = 6250588.625

X = 331047.189

Z = 3.624

DATUM RL 2.000

CURRENT FINISHED SURFACE LEVEL	3.624	3.605	3.604	3.539	3.531	3.649	3.650	
MARKER LAYER	3.291	3.255	3.248	3.235	3.196	3.185	3.184	
OFFSET	0.000	0.506	1.764	2.491	2.807	2.845	2.847	

SECTION 1

		GENERAL NOTES / REFERENCES
SURVEYED BY		FOR INFORMATION ONLY
INSTRUMENT TYPE		
SERIAL NUMBER		
DATE OF SURVEY		
SIGNATURE		

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE

DRAWN BY: SF

COORDINATE SYSTEM: MGA94 Z56

HEIGHT DATUM: A.H.D

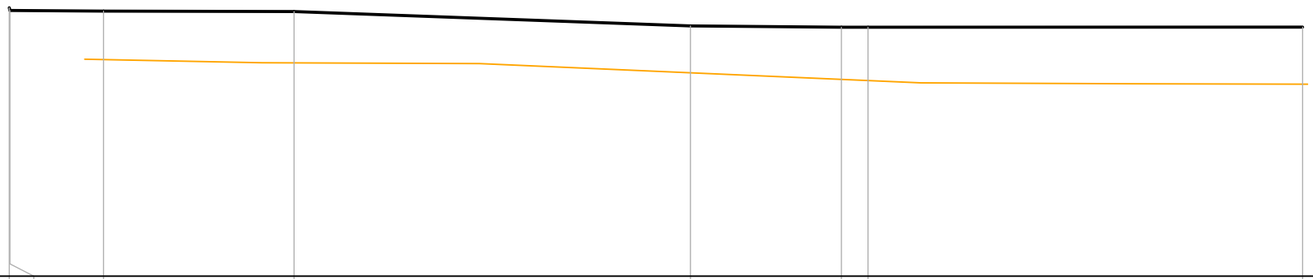
SCALE AT ORIGINAL A3 SIZE

DISCIPLINE	ZONE	CATEGORY	DESIGN PACKAGE	PLOT DATE
SURV	CWL	LSCP	20_01	17/10/23

SECTION 1
AREA 5

SHEET 1 of 4

REVISION



Centreline Data
Y = 6250586.079
X = 331055.341
Z = 3.750

DATUM RL 2.000

CURRENT FINISHED SURFACE LEVEL	3.750	3.732	3.728	3.725	3.632	3.623	3.623	3.624
MARKER LAYER			3.412	3.391	3.326	3.283	3.275	3.252
OFFSET	0.000	0.004	0.615	1.857	4.442	5.427	5.601	8.435

SECTION 2

SURVEYED BY	
INSTRUMENT TYPE	
SERIAL NUMBER	
DATE OF SURVEY	
SIGNATURE	

GENERAL NOTES / REFERENCES

FOR INFORMATION ONLY

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE

DISCIPLINE	ZONE	CATEGORY	DESIGN PACKAGE	PLOT DATE
SURV	CWL	LSCP	20_01	17/10/23

DRAWN BY
SF

COORDINATE SYSTEM
MGA94 Z56

HEIGHT DATUM
A.H.D

SCALE AT ORIGINAL A3 SIZE

SECTION 2
AREA 5

SHEET 2 of 4

REVISION

Plotted: C:\Users\sfoley\John Holland Group\Survey - 20 CWL\Landcaping Closeout\14 . Area 5\SECTION 1 AREA 5 231017001 at 17-Oct-2023 11:14:16

Project: C:\Users\sfoley\Documents_JHCPB WCX3B\Sean Foley's data\12D projects\3B CWL z20 MASTER SF v14

Centreline Data

Y = 6250584.840

X = 331061.024

Z = 3.789

DATUM RL 2.000

CURRENT FINISHED SURFACE LEVEL	3.789	3.792	3.792	3.783	3.757	3.720	3.718	3.717	3.682		
MARKER LAYER	3.446	3.440	3.437	3.424	3.419	3.330	3.322	3.319	3.378		
OFFSET	0.000	0.661	1.504	3.221	5.380	9.066	9.218	9.282	13.110		

SECTION 3

SURVEYED BY	
INSTRUMENT TYPE	
SERIAL NUMBER	
DATE OF SURVEY	
SIGNATURE	

GENERAL NOTES / REFERENCES

FOR INFORMATION ONLY

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE

DRAWN BY: SF

COORDINATE SYSTEM: MGA94 Z56

HEIGHT DATUM: A.H.D

SCALE AT ORIGINAL A3 SIZE

DISCIPLINE	ZONE	CATEGORY	DESIGN PACKAGE	PLOT DATE
SURV	CWL	LSCP	20_01	17/10/23

SECTION 3
AREA 5

SHEET 3 of 4

REVISION

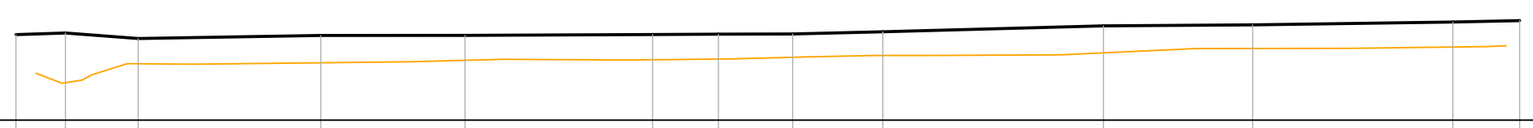
Centreline Data

Y = 6250589.759

X = 331042.400

Z = null

DATUM RL 2.500



CURRENT FINISHED SURFACE LEVEL	3.615	3.636	3.564	3.604	3.605	3.616	3.621	3.624	3.652	3.730	3.742	3.779	3.798
MARKER LAYER		2.988	3.235	3.248	3.280	3.288	3.297	3.320	3.343	3.377	3.435	3.454	
OFFSET	0.307	0.954	1.902	4.283	6.166	8.612	9.471	10.439	11.614	14.492	16.439	19.050	19.921

SECTION 4

SURVEYED BY	
INSTRUMENT TYPE	
SERIAL NUMBER	
DATE OF SURVEY	
SIGNATURE	

GENERAL NOTES / REFERENCES

FOR INFORMATION ONLY

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE

DISCIPLINE	ZONE	CATEGORY	DESIGN PACKAGE	PLOT DATE
SURV	CWL	LSCP	20_01	17/10/23

DRAWN BY: SF

COORDINATE SYSTEM: MGA94 Z56

HEIGHT DATUM: A.H.D

SCALE AT ORIGINAL A3 SIZE

SECTION 4
AREA 5

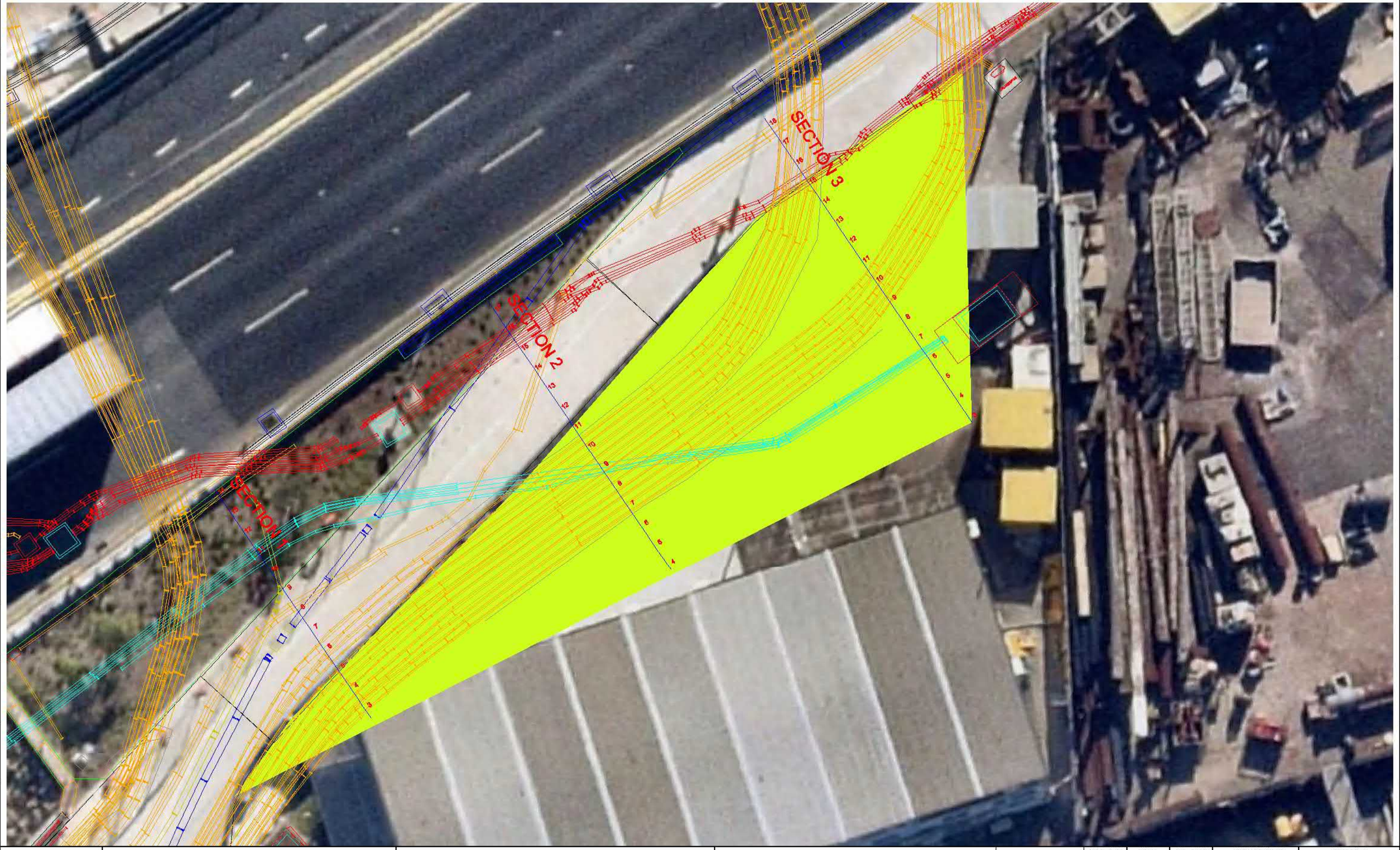
SHEET 4 of 4

REVISION

Plotted: C:\Users\sfoley\John Holland Group\Survey - 20 CWL\Landcaping Closeout\14 . Area 5\SECTION 1 AREA 5 231017001 at 17-Oct-2023 11:25:59

Project: C:\Users\sfoley\Documents_JHCPB WCX3B\Sean Foley's data\12D projects\3B CWL z20 MASTER SF v14

F6 AREA 6



SURVEYED BY	
INSTRUMENT TYPE	
SERIAL NUMBER	
DATE OF SURVEY	
SIGNATURE	

GENERAL NOTES / REFERENCES

FOR INFORMATION ONLY

FOR : RP

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE

DISCIPLINE	ZONE	CATEGORY	DESIGN PACKAGE	PLOT DATE
SURV	CWL	LSC	00_20	4/10/23

DRAWN BY: SF
COORDINATE SYSTEM: MGA94 Z56
HEIGHT DATUM: A.H.D
SCALE AT ORIGINAL A3 SIZE: 1:150

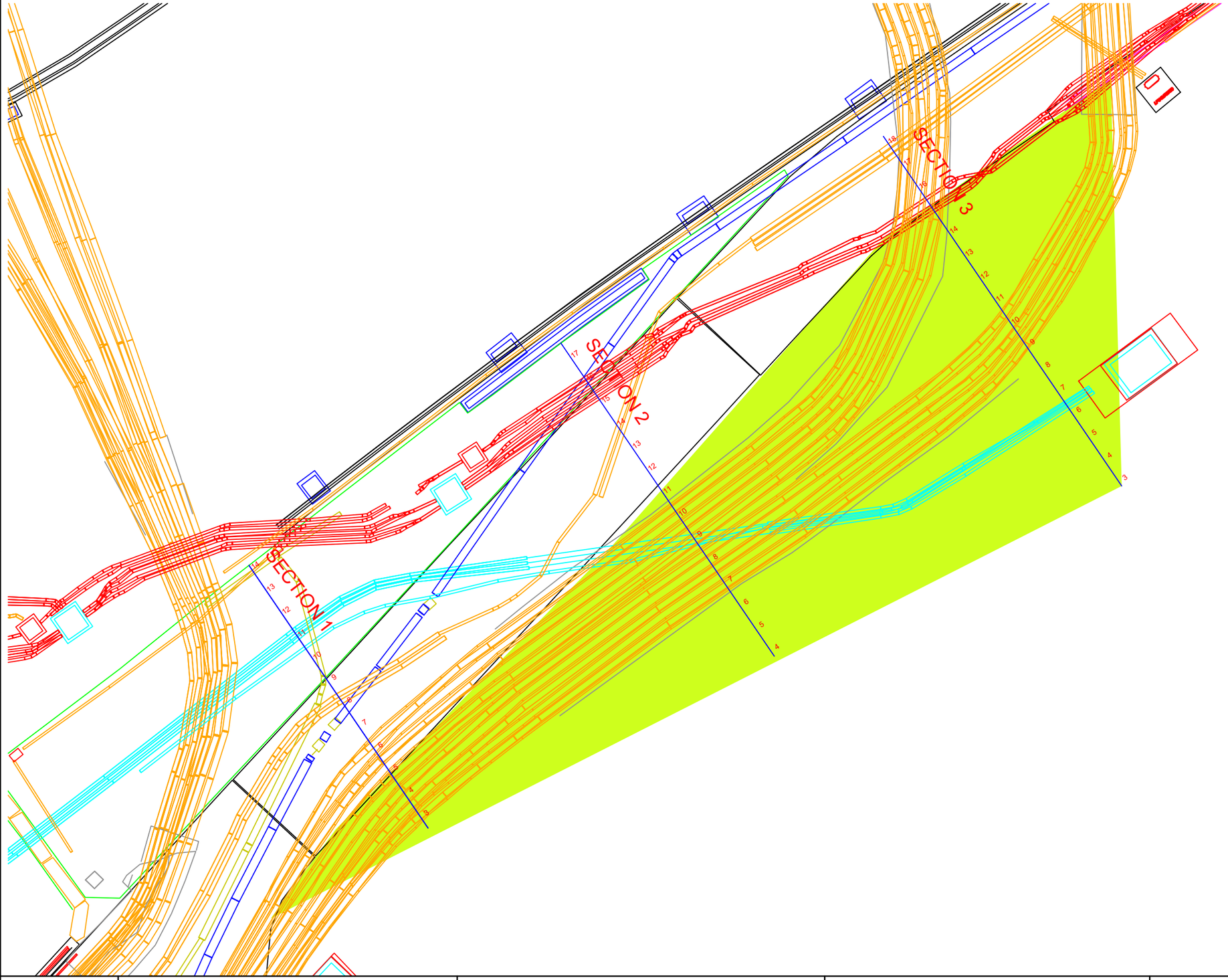
AREA 6
LANDSCAPING
RASTER

SHEET 1 of 1

REVISION

Plotted: at Wed Oct 4 15:44:32 2023

Project: C:\Users\sfoley\Documents_JHCPB WCX3B\Sean Foley's data\12D projects\3B CWL z20 MASTER 8F v14



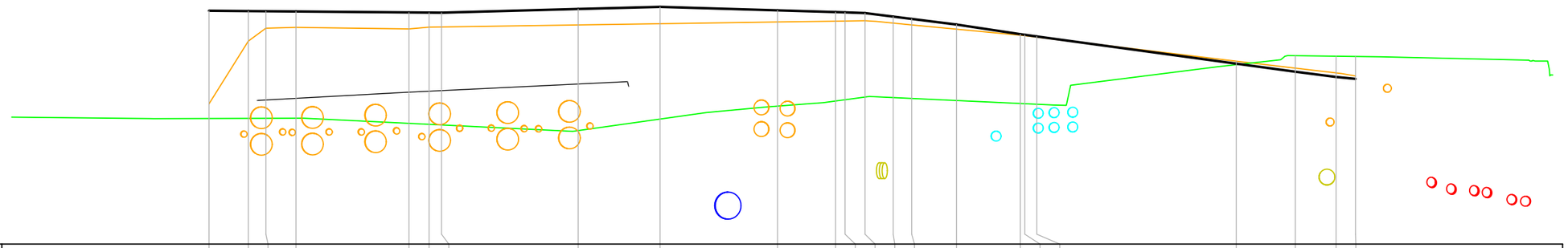
		GENERAL NOTES / REFERENCES
SURVEYED BY		FOR INFORMATION ONLY
INSTRUMENT TYPE		FOR : RP
SERIAL NUMBER		
DATE OF SURVEY		
SIGNATURE		

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE	DISCIPLINE: SURV	ZONE: CWL	CATEGORY: LSC	DESIGN PACKAGE: 00_20	PLOT DATE: 4/10/23
DRAWN BY: SF	AREA 6 LANDSCAPING				
COORDINATE SYSTEM: MGA94 Z56					
HEIGHT DATUM: A.H.D					
SCALE AT ORIGINAL A3 SIZE: 1:150	SHEET 1 of	1	REVISION		

Plotted: C:\Users\sfoley\John Holland Group\Survey - 20 CWL\Landcaping Closeout\12 . Area 6\PLT PLAN LANDSCAPING SECTIONS AREA 6 2304101.dat Wed Oct 4 15:46:43 2023

Project: C:\Users\sfoley\Documents_JHCPB WCX3B\Sean Foley's data\12D projects\3B CWL z20 MASTER SF v14



Centreline Data
Y = 6250657.048
X = 331087.255
Z = null

DATUM RL 1.000

DESIGN SURFACE LEVEL	3.369	3.366	3.365	3.362	3.352	3.351	3.350	3.387	3.409	3.373	3.356	3.353
PRE-CONSTRUCTION LEVEL	2.275	2.276	2.277	2.278	2.226	2.216	2.210	2.152	2.269	2.401	2.453	2.466
CURRENT LEVEL	2.424	3.061	3.192	3.200	3.185	3.203	3.205	3.225	3.238	3.255	3.263	3.265
TSB ENCASEMENT			2.463	2.480	2.542	2.552	2.558	2.625				
OFFSET	2.596	2.994	3.172	3.478	4.623	4.827	4.953	6.338	7.168	8.359	8.948	9.044

DESIGN SURFACE LEVEL	3.346	3.310	3.286	3.229	3.132	3.125	3.108	2.832	2.750	2.697	2.678
PRE-CONSTRUCTION LEVEL	2.493	2.488	2.479	2.458	2.428	2.425	2.420	2.822	2.913	2.908	2.905
CURRENT LEVEL	3.268	3.244	3.225	3.182	3.121	3.116	3.102	2.857	2.787	2.738	2.707
TSB ENCASEMENT											
OFFSET	9.246	9.532	9.719	10.174	10.821	10.867	10.988	13.010	13.609	14.022	14.219

SECTION 1

SURVEYED BY	
INSTRUMENT TYPE	
SERIAL NUMBER	
DATE OF SURVEY	
SIGNATURE	

GENERAL NOTES / REFERENCES

FOR INFORMATION ONLY

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE

DISCIPLINE	ZONE	CATEGORY	DESIGN PACKAGE	PLOT DATE
SURV	CWL	LSCP	20_01	29/09/23

DRAWN BY: SF
COORDINATE SYSTEM: MGA94 Z56
HEIGHT DATUM: A.H.D
SCALE AT ORIGINAL A3 SIZE

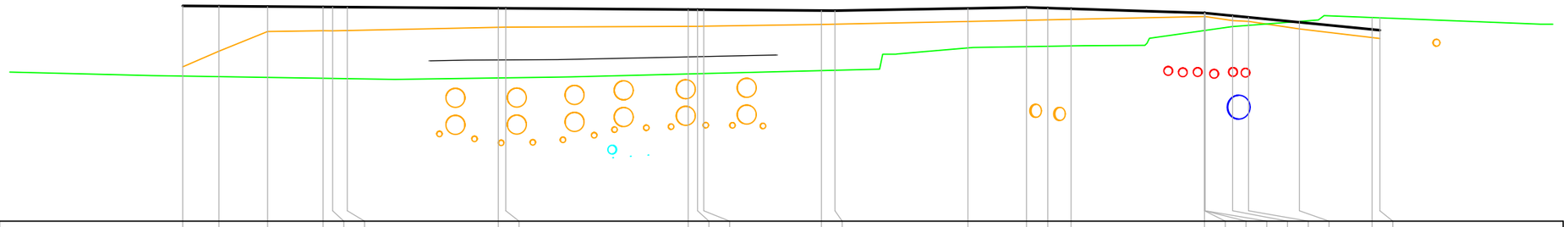
SECTION 1
AREA 6

SHEET 1 of 3

REVISION

Plotted: C:\Users\sfoley\John Holland Group\Survey - 20 CWL\Landcaping Closeout\12 . Area 6\SECTION 1 AREA 6 230929002 at 29-Sep-2023 09:41:20

Project: C:\Users\sfoley\Documents_JHCPB WCX3B\Sean Foley's data\12D projects\3B CWL z20 MASTER SF v14



Centreline Data
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X = 331100.591
Z = null

DATUM RL 0.500

DESIGN SURFACE LEVEL	2.985	2.982	2.978	2.974	2.973	2.972	2.959	2.958	2.943	2.942	2.942	2.932	2.931	2.957	2.969	2.961	2.952	2.904	2.904	2.904	2.903	2.872	2.854	2.796	2.714	2.704
PRE-CONSTRUCTION LEVEL	2.175	2.169	2.160	2.150	2.148	2.145	2.154	2.155	2.200	2.202	2.204	2.238	2.242	2.500	2.515	2.519	2.524	2.701	2.701	2.702	2.702	2.747	2.761	2.806	2.851	2.848
CURRENT LEVEL	2.282	2.462	2.690	2.699	2.698	2.701	2.738	2.740	2.749	2.749	2.751	2.771	2.774	2.806	2.820	2.825	2.830	2.863	2.863	2.863	2.863	2.816	2.807	2.720	2.620	2.609
TSB ENCASEMENT							2.361	2.362	2.397	2.399	2.401															
OFFSET	3.867	4.286	4.849	5.491	5.601	5.771	7.518	7.604	9.714	9.822	9.894	11.255	11.412	12.950	13.627	13.873	14.143	15.686	15.687	15.687	15.693	16.012	16.196	16.784	17.624	17.715

SECTION 2

SURVEYED BY		GENERAL NOTES / REFERENCES	
INSTRUMENT TYPE		FOR INFORMATION ONLY	
SERIAL NUMBER			
DATE OF SURVEY			
SIGNATURE			

Rozelle Interchange
WestConnex
JOHN HOLLAND
CPB CONTRACTORS

DO NOT SCALE

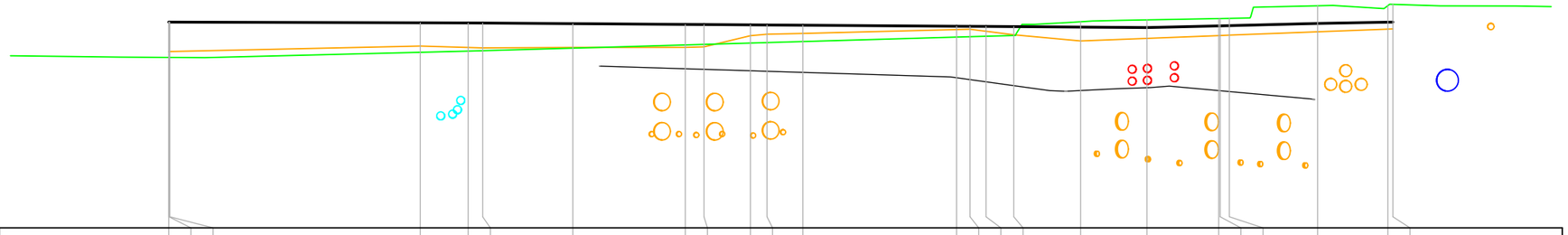
DISCIPLINE	ZONE	CATEGORY	DESIGN PACKAGE	PLOT DATE
SURV	CWL	LSCP	20_01	29/09/23

DRAWN BY
SF
COORDINATE SYSTEM
MGA94 Z56
HEIGHT DATUM
A.H.D
SCALE AT ORIGINAL A3 SIZE

SECTION 2
AREA 6

SHEET 2 of 3

REVISION



Centreline Data
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X = 331112.697
Z = null

DATUM RL 0.000

DESIGN SURFACE LEVEL	2.598	2.598	2.598	2.589	2.587	2.586	2.578	2.568	2.567	2.563	2.561	2.558
PRE-CONSTRUCTION LEVEL	2.152	2.152	2.152	2.216	2.231	2.236	2.269	2.309	2.316	2.333	2.339	2.352
CURRENT LEVEL	2.225	2.226	2.226	2.295	2.278	2.272	2.277	2.279	2.285	2.426	2.445	2.454
TSB ENCASEMENT								2.009	2.001	1.983	1.977	1.963
OFFSET	2.905	2.907	2.919	6.084	6.689	6.872	8.011	9.432	9.668	10.255	10.465	10.918

DESIGN SURFACE LEVEL	2.545	2.544	2.543	2.541	2.535	2.529	2.550	2.550	2.553	2.581	2.597	2.598
PRE-CONSTRUCTION LEVEL	2.408	2.413	2.419	2.428	2.602	2.626	2.642	2.643	2.645	2.803	2.805	2.821
CURRENT LEVEL	2.503	2.508	2.482	2.437	2.360	2.392	2.427	2.428	2.433	2.475	2.509	2.511
TSB ENCASEMENT	1.895	1.872	1.844	1.795	1.734	1.770	1.733	1.731	1.721			
OFFSET	12.860	13.030	13.232	13.583	14.428	15.266	16.173	16.191	16.307	17.422	18.310	18.374

SECTION 3

SURVEYED BY	
INSTRUMENT TYPE	
SERIAL NUMBER	
DATE OF SURVEY	
SIGNATURE	

GENERAL NOTES / REFERENCES

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DO NOT SCALE

DISCIPLINE	ZONE	CATEGORY	DESIGN PACKAGE	PLOT DATE
SURV	CWL	LSCP	20_01	29/09/23

DRAWN BY
SF
COORDINATE SYSTEM
MGA94 Z56
HEIGHT DATUM
A.H.D
SCALE AT ORIGINAL A3 SIZE

SECTION 3
AREA 6

SHEET 3 of 3

REVISION

Plotted: C:\Users\sfoley\John Holland Group\Survey - 20 CWL\Landcaping Closeout\12 . Area 6\SECTION 1 AREA 6 230929001 at 29-Sep-2023 09:45:59

Project: C:\Users\sfoley\Documents_JHCPB WCX3B\Sean Foley's data\12D projects\3B CWL z20 MASTER SF v14