Notice of Meeting

Extraordinary Local Traffic Committee Meeting

An Extraordinary Local Traffic Committee Meeting of Byron Shire Council will be held as follows:

Venue	**Zoom**
Date	**Friday, 21 July 2023**
Time	**10:00am**

Phil Holloway
Director Infrastructure Services

I2023/1089
Distributed 13/07/23

BYRON SHIRE COUNCIL

BUSINESS OF MEETING

1. APOLOGIES

2. DECLARATIONS OF INTEREST – PECUNIARY AND NON-PECUNIARY

3. ADOPTION OF MINUTES FROM PREVIOUS MEETINGS

4. MATTERS ARISING

5. OUTSTANDING ISSUES/RESOLUTIONS

6. REGULATORY MATTERS

REGULATORY MATTERS

Report No. 6.1 Pedestrian Refuge, Parking and Channelised Right (CHR) Treatment on Bayside Way

File No: I2023/951

The purpose of this report is to gain Council support for the proposed regulatory signage and line markings shown in Attachment 1 (E2023/61852).

Council has received a Roads Act application associated with a development consent for a Community Title Subdivision comprising twenty (20) lots at 24 Bayside Way BRUNSWICK HEADS.

Condition 41 of the development consent (10.2021.425.1) partly requires the following:

a. Channelised Right (CHR) Treatment opposite the southern driveway

Kerb and gutter, road pavement, line-marking, streetlighting (AS 1158) and associated drainage construction, including any necessary relocation of services in accordance with SDS Civil Enterprises drawing 2061-C1 Rev B.

b. On-street parking and relocation of footpath

A fully detailed design of five (5) on-street parallel parking including line-marking and any necessary relocation of services in accordance with AS 2890.5 and IPWEA drawing R-0031 (see Note). The following must be adopted: -

- Carriageway of 3.5m.
- Parking lane of 2.1m.
- Safety barrier line between the parking lane and carriageway of 0.5m.
- The parking lane be sheltered by way of full indentation of the parking lane. It is necessary to replace the existing kerb and gutter with a concrete invert or dish gutter in accordance with NRLG drawing R-03 and install a mountable kerb at a new alignment in accordance with IPWEA drawing R-0031 – Verge with Parking Bays and Pathways.
- Relocate the existing 1.5m wide footpath, measured 1.5m from the invert of the mountable kerb. Refer to IPWEA drawing.

c. Concrete footpath extension

The footpath located inside Lot 33 DP730006 and south of 13 Kingsford Drive is to be extended through to Lot 36 DP800926 & Lot 7 DP1261870 to connect onto the footpath on the western section of Bayside Way. The footpath is to be 1.5m wide, concrete and with a crossfall of 1 % or 1:100 (maximum 2.5% or 1 in 40).

d. Ramped pedestrian crossing

A ramped pedestrian crossing including streetlighting (AS1158) in accordance with Council's standard plan – No. 941 and SDS Civil Enterprises drawing 2061-C1.

e. Pedestrian refuge

A pedestrian refuge including streetlighting (AS1158) in accordance with SDS Civil Enterprises drawing 2061-C1. The pedestrian refuge is to be designed in accordance with Australian Standard 1742.10 – Manual of Uniform Traffic Controls – Pedestrian Control and Protection and Traffic Authority of New South Wales Guidelines for Traffic Facilities, Part 4.2 – Pedestrian Refuges. The design is to address siting, signs, line-marking, parking restrictions and night-time visibility.

f. Driveways

Driveways are to be designed and constructed generally in accordance with the approved plans and Council's current "Northern Rivers Local Government Development Design & Construction Manuals and Standard Drawings". Adjustment and/or relocation of services may be necessary to meet the requirements of the relevant service authorities and to ensure that the services are constructed flush with the finished surface levels.

RECOMMENDATION:

That Council support the regulatory signage and line markings associated with the new works on Bayside Way, as shown in Attachment 1 (E2023/61852)

Report writer: Have you mentioned an attachment in your recommendation? If so, include the TRIM number in brackets eg "…Attachment 1 (E2017/1234)…" It's necessary for the minutes document.

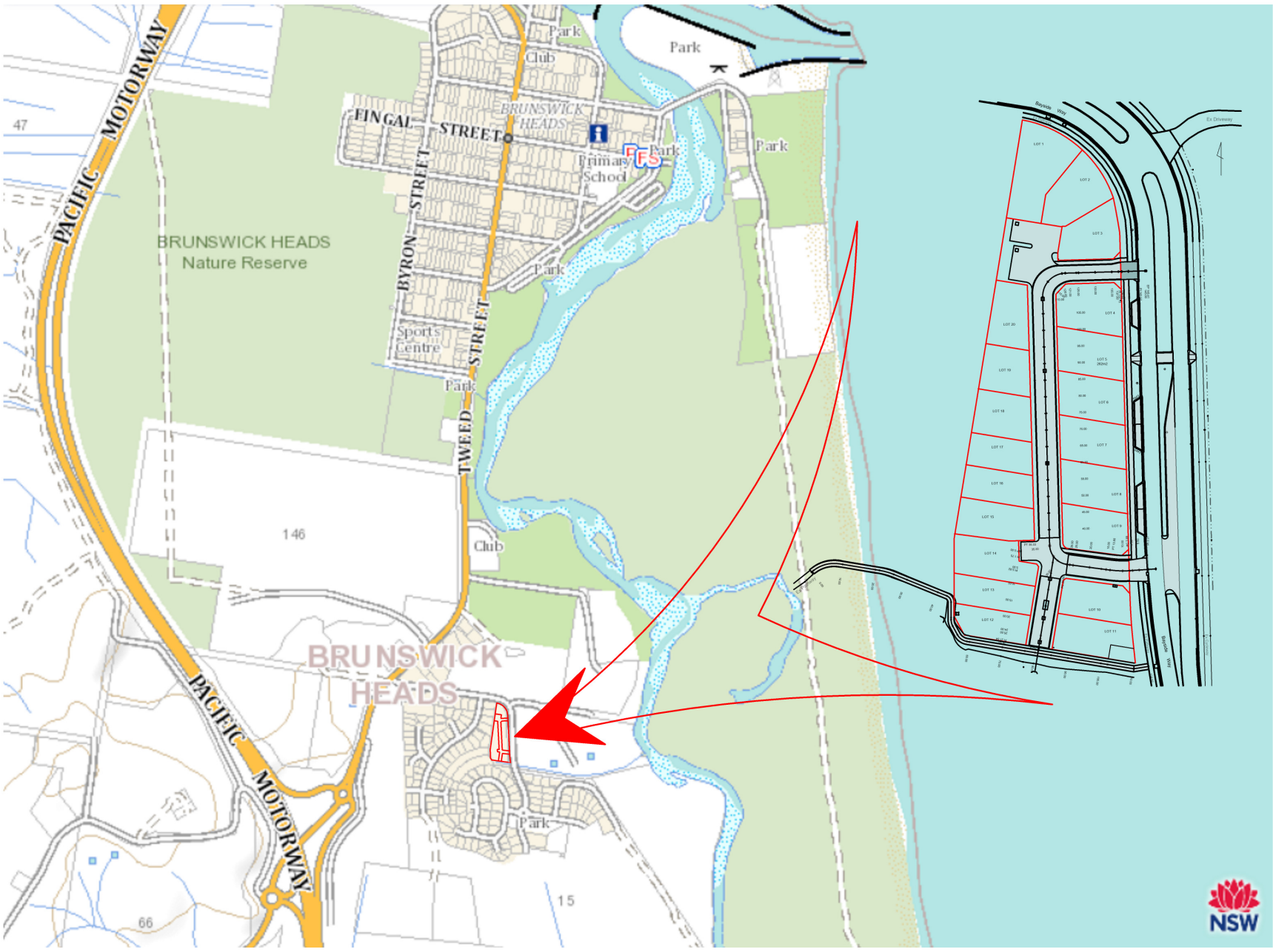
Attachments:

1 51.2021.425.1 LTC submission, E2023/61852 , page 5

SDS Civil Ref: JN2061 Survey Datum: AHD / MGA Survey Source: Bennett & Bennett

SDS Civil Enterprises
A.B.N. 56 656 467 255
461 Hinterland Way, Knockrow NSW
m 0438 725 414 e peterw@sdscivil.com.au

IMPORTANT NOTES
1. Verify and locate all dimensions and levels PRIOR to perfoming any works.
2. Ensure DBYD enquiries are made to locate current service information.
3. Pothole or service locator of any underground services before performing works.
4. Drawing may not be modified or used by others without approval of SDS Civil Enterprises.



DRAWING SCHEDULE - SUBDIVISION WORKS CERTIFICATE AND S138 WORKS

Drg Civ - C0	Rev -	Project Locality and Drawing Schedule
Drg Civ - C1	Rev -	New Pavement Plan and Kerb Type
Drg Civ - C2	Rev -	Bayside Way Widening & Road 1 Typ Sections
Drg Civ - C3	Rev -	Bayside Way Widening Works Dimensions
Drg Civ - C4	Rev -	Road 1 Longsection
Drg Civ - C5	Rev -	Road 2 Longsection and Pathway Profile
Drg Civ - C6	Rev -	Stormwater Modified / Removal Existing Services
Drg Civ - C7	Rev -	New Internal Stormwater Services
Drg Civ - C8	Rev -	Drainline No 1 Longsection
Drg Civ - C9	Rev -	New Internal Sewer Services
Drg Civ - C10	Rev -	New Internal Water Services & Electrical Alginment
Drg Civ - C11	Rev -	Site Earthworks Cut and Fill Depth Profiles
Drg Civ - C12	Rev -	Site Earthworks Finished Civil Works Contours
Drg Civ - C13	Rev -	Signage and Linemarking Plan
Drg Civ - C14	Rev -	Concrete Parking Bay Details
Drg Civ - C15	Rev -	Tree Projection and Erosion Sediment Control
Drg Civ - C16	Rev -	Erosion Sediment Control Standard Details
Drg Civ - S138 - 1	Rev 1	Bayside Way Widening Works Dimensions

Standard Drawings

NRLG	Drg R-03 Rev B	Kerbs and Gutters, Edge Restraints, Median & Invert Profiles and Dimensions
NRLG	Drg R-04 Rev C	Kerb Ramp
NRLG	Drg R-05 Rev D	Urban Residential Driveway Layouts & Layback Vehicular Crossing For Kerbed Roads
NRLG	Drg R-07 Rev B	Concrete Footpath Detail
NRLG	Drg R-12 Rev A	Street Name Sign
NRLG	Drg SW-02 Rev B	Manholes, Field Inlet Pits & Grated Inlet / Junction Pit Details
WSAA	Drg SEW-1314	Maintenance Shafts Typical Installation
WSAA	Drg SEW-1315	Maintenance Shafts MS & Variable Bend Installations
WSAA	Drg SEW-1316	Maintenance Shafts TMS and Connection Installations
WSAA	Drg SEW-1317	Maintenance Shafts Typical MS Cover Arrangements
BSC Std Drg	BSC 101	Property Service Layout DN50 or Smaller Services
BSC Std Drg	BSC 102	DN20 & DN25 Property Service Details
TSC Std Drg	SD321	DN20 & DN25 Property Service Details (Refer for Inground Water Meter Surround)
TSC Std Drg	SD324	DN100 or Larger Property Service

NOTES.
1. All civil works within Bayside Way and onsite to comply with the construction materials specfications as per the Northern Rivers Local Government Construction Manual. Refer to following link details: https://www.byron.nsw.gov.au/Services/Building-development/Plans-maps-and-guidelines/Development-design-manuals
2. Refer to *Traffic Management Plan (Short Format) For Bayside Way Turning Lane & Parking Bay Civil Works* for traffic guidance management scheme requirements.
3. Electronic survey data and DTM design file to be made available to the contractor.
4. Localised adjustment of design to match existing levels maybe required to ensure smooth transitions to existing road and natural ground level profiles.
5. IMPORTANT. Existing infrastructure services located within work zones. Contractor to locate and identify all services PRIOR to any excavation of works.

BEFORE YOU DIG www.byda.com.au

Rev	Date	Amendment		SCALE	PROJECT	Heathgrove	ADDRESS	35 Bayside Way Brunswick Heads	DATE	March 2022	REV
A					CLIENT	J & G Mills	LAND	Lot 1 - 6 DP 1261870	DRAWING PURPOSE	Subdivision Works	
B											
C			APPROVED	PRWilliams Mr P Williams B.Eng (Civil)	DRAWING DETAILS	Project Locality and Drawing Schedule			DRAWING NUMBER	Civ - C0	-
D											

SDS Civil Ref: JN2061 Survey Datum: AHD / MGA Survey Source: Bennett & Bennett

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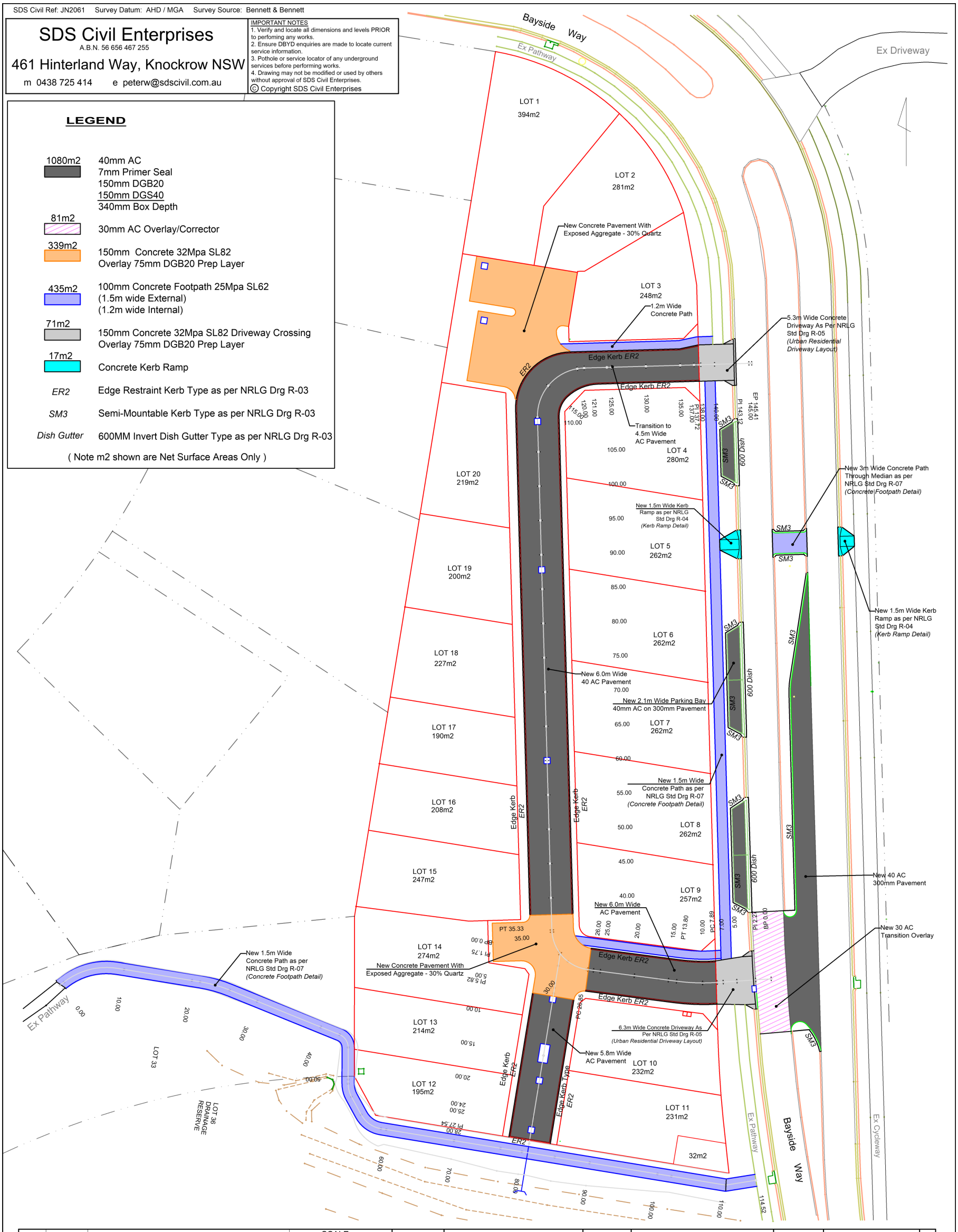
LEGEND

1080m2	40mm AC 7mm Primer Seal 150mm DGB20 150mm DGS40 340mm Box Depth
81m2	30mm AC Overlay/Corrector
339m2	150mm Concrete 32Mpa SL82 Overlay 75mm DGB20 Prep Layer
435m2	100mm Concrete Footpath 25Mpa SL62 (1.5m wide External) (1.2m wide Internal)
71m2	150mm Concrete 32Mpa SL82 Driveway Crossing Overlay 75mm DGB20 Prep Layer
17m2	Concrete Kerb Ramp
ER2	Edge Restraint Kerb Type as per NRLG Drg R-03
SM3	Semi-Mountable Kerb Type as per NRLG Drg R-03
Dish Gutter	600MM Invert Dish Gutter Type as per NRLG Drg R-03

(Note m2 shown are Net Surface Areas Only)



Rev	Date	Amendment		SCALE	PROJECT	Heathgrove	ADDRESS	35 Bayside Way Brunswick Heads	DATE	March 2022	REV
A				1:500 at A3 UNO	CLIENT	J & G Mills	LAND	Lot 1 - 6 DP 1261870	DRAWING PURPOSE	Subdivision Works	
B											
C			APPROVED	Mr P Williams B.Eng (Civil)	DRAWING DETAILS	New Pavement Plan and Kerb Type			DRAWING NUMBER	Civ - C1	-
D											

SDS Civil Ref: JN2061 Survey Datum: AHD / MGA Survey Source: Bennett & Bennett

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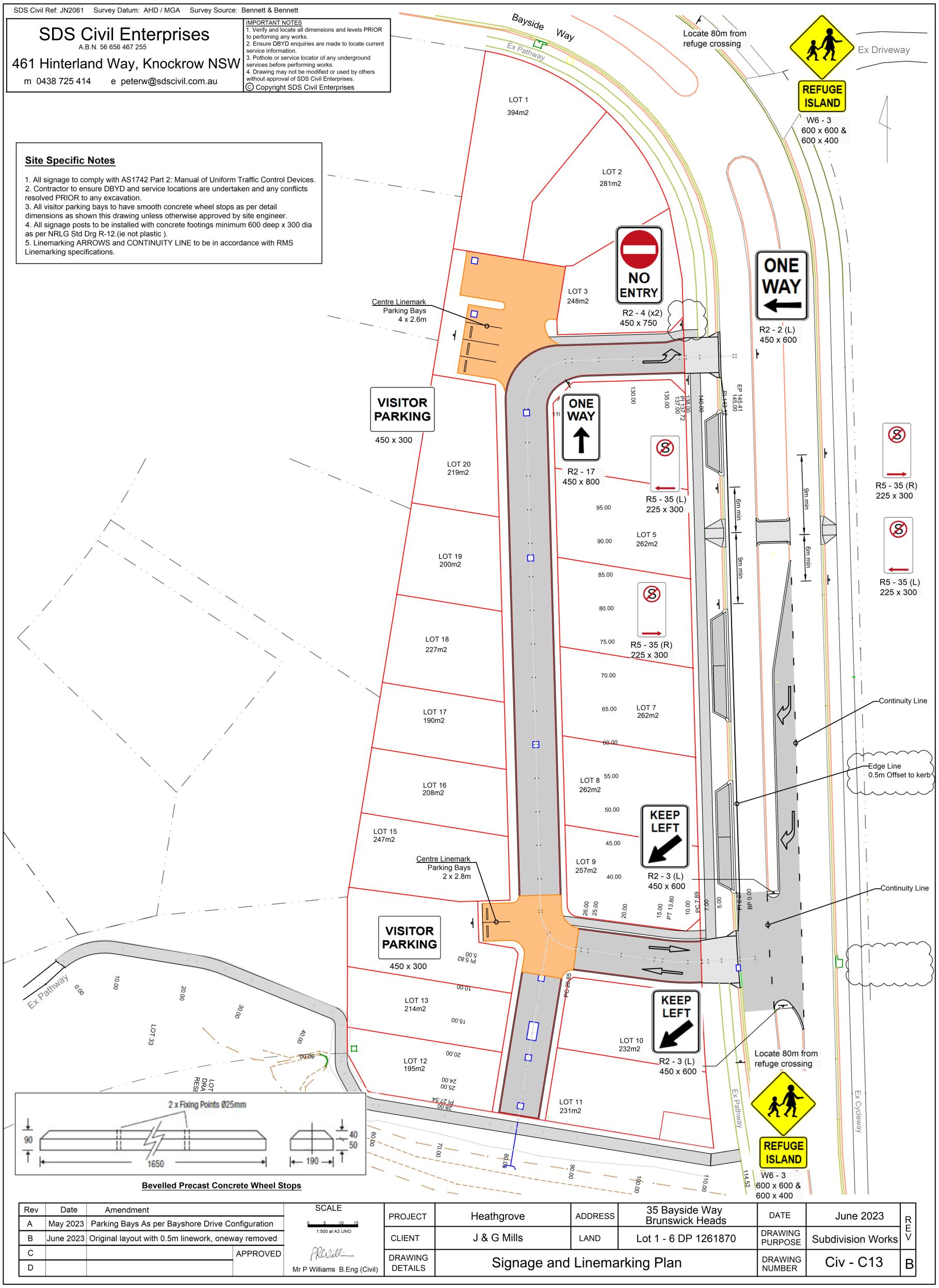
Site Specific Notes

1. All signage to comply with AS1742 Part 2: Manual of Uniform Traffic Control Devices.
2. Contractor to ensure DBYD and service locations are undertaken and any conflicts resolved PRIOR to any excavation.
3. All visitor parking bays to have smooth concrete wheel stops as per detail dimensions as shown this drawing unless otherwise approved by site engineer.
4. All signage posts to be installed with concrete footings minimum 600 deep x 300 dia as per NRLG Std Drg R-12.(ie not plastic).
5. Linemarking ARROWS and CONTINUITY LINE to be in accordance with RMS Linemarking specifications.



Bevelled Precast Concrete Wheel Stops

Rev	Date	Amendment	
A	May 2023	Parking Bays As per Bayshore Drive Configuration	
B	June 2023	Original layout with 0.5m linework, oneway removed	
C			APPROVED
D			

SCALE 1:500 at A3 UNO

Mr P Williams B.Eng (Civil)

PROJECT	Heathgrove	ADDRESS	35 Bayside Way Brunswick Heads	DATE	June 2023
CLIENT	J & G Mills	LAND	Lot 1 - 6 DP 1261870	DRAWING PURPOSE	Subdivision Works
DRAWING DETAILS	Signage and Linemarking Plan			DRAWING NUMBER	Civ - C13

REV B

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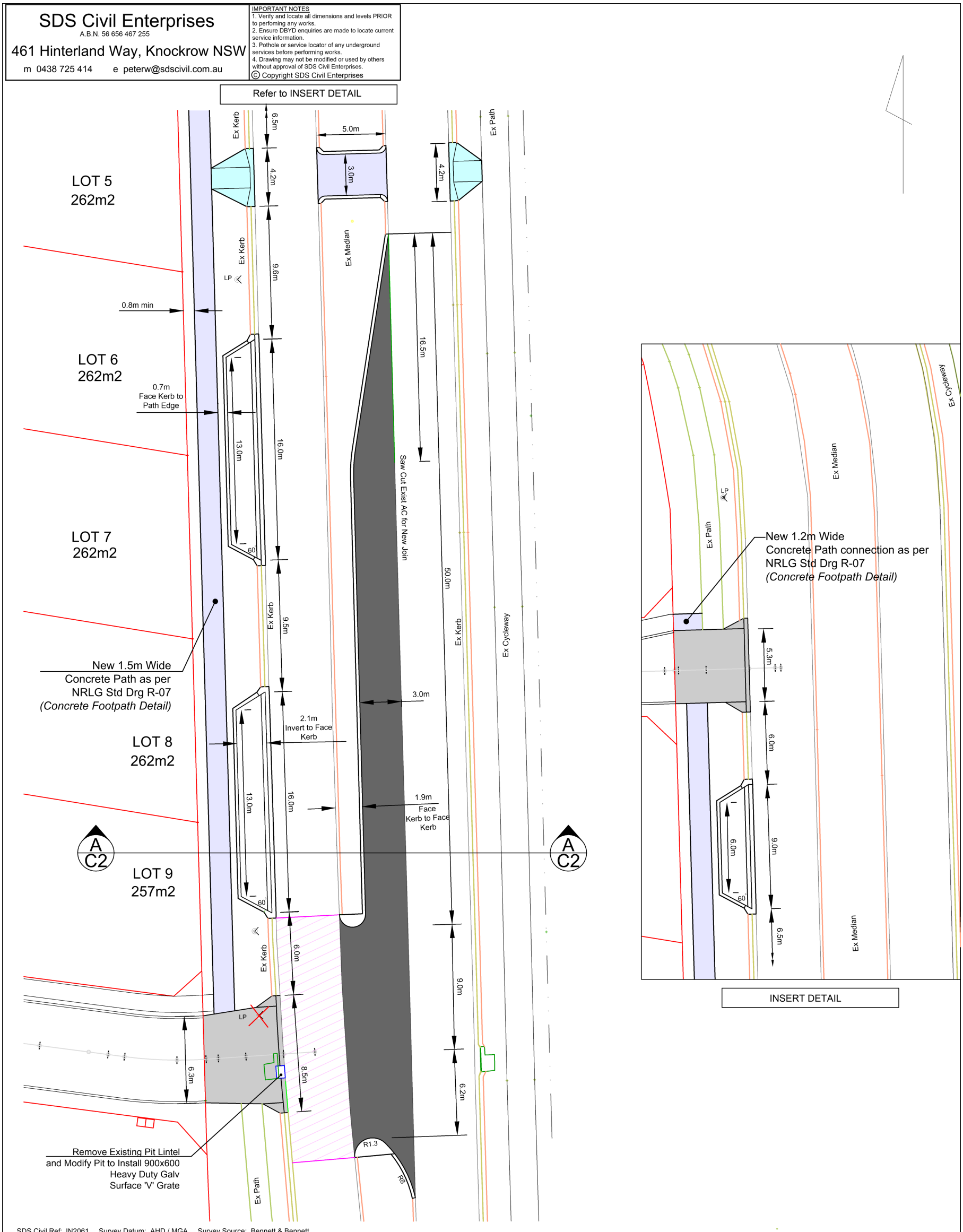
Refer to INSERT DETAIL



INSERT DETAIL

SDS Civil Ref: JN2061 Survey Datum: AHD / MGA Survey Source: Bennett & Bennett

Rev	Date	Amendment	
A			
B			
C			APPROVED
D			

SCALE
0 2 4 6
1:250 at A3 UNO

Mr P Williams B.Eng (Civil)

PROJECT	Heathgrove	ADDRESS	35 Bayside Way Brunswick Heads	DATE	March 2022	REV
CLIENT	J & G Mills	LAND	Lot 1 - 6 DP 1261870	DRAWING PURPOSE	Subdivision Works	
DRAWING DETAILS	Bayside Way Widening Works Dimensions			DRAWING NUMBER	Civ - S138 - 1	-

Report No. 6.2 Toni Childs - Filming Road Closure Secondary Proposal

File No: I2023/1067

Council has received an application for the Toni Childs Music Video Shoot to be held on Monday 7 August 2023. With the intention to close off part of Jonson Street, Byron Bay – the section between Lawson Street and Byron Street – between 3:30am and 11:30am (8 hours).

RECOMMENDATION:

1. That the Local Traffic Committee (LTC) support the Toni Childs Music Video Production to be held on Monday 7 August 2023.

2. That (LTC) support in Part 1 is subject to:

a) the event organiser providing council with an updated Traffic Management Plan and Traffic Guidance Scheme/s for the film shoot;

b) development and implementation of a Traffic Management Plan and Traffic Guidance Scheme/s by those with appropriate TfNSW accreditation and the holding of current and appropriate levels of insurance and liability cover;

c) the impact of the film shoot be advertised, and charged at cost to the organisers, via a notice in the local weekly paper and Variable Message Signage near the site, a minimum of one week prior to the operational impacts taking effect, noting it must include the film shoot name, specifics of any traffic impacts or road closures and times, alternative route arrangements, Production Team, a personal contact name and a telephone number for all event related enquiries or complaints;

d) the film shoot be notified on Council's web page with the event organiser supplying Council with the relevant information.

3. The Production Team to:

a) inform the community and businesses that are directly impacted (e.g. within road closure zones) via written information which is delivered to the property in a timely manner so as to document, consider and respond to any concerns raised;

b) arranging for private property access and egress affected by the film shoot;

c) liaising with bus, taxi and waste operators and ensuring arrangements are made for provision of services during conduct of the film shoot;

d) consulting with emergency services and any identified issues be addressed;

e) holding $20m public liability insurance cover which is valid for the film shoot;

f) paying Council's Road Event Application Fee prior to the film shoot;

g) not place any signage on the road related area of the Pacific Highway.

h) apply/receive consent by the relevant road authority under section 138 of the NSW road act (1993) and pay any associated fees and charges within this process.

Attachments:

1 TMP - Toni Chils Music Video - Byron 2023 - R4, E2023/72088 , page 11⇩

Traffic Management Plan

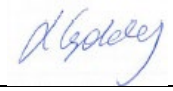
WORKFORCE ROAD SERVICES

Toni Childs – Music Video Production

Jonson St, Byron Bay

Aug 2023

Approval

	Prepared by	Approved by	Approved by
Name	Simone Hampton	Lisa Golding	
Role	Senior Planning Coordinator	Operations Manager	
Organisation	Workforce Road Services	Workforce Road Services	
PWZTMP No.	TCT0068675	0033239265	
Signature			
Date	17.01.2023	17.01.2023	

Revision History

Issue	Date	Prepared by	Approved by	Revision Description
1	03/02/23	S. Hampton	L. Golding	Revision 1
2	14/02/23	S. Hampton	L. Golding	Revision 2
3	03/04/23	S. Hampton	J. Parry	Revision 3
4	11/07/2023	S. Hampton	J. Parry	Revision 4

Contents

1 Introduction

1.1 Purpose

The purpose of this traffic management plan (TMP) is to:

- Describe the activities being proposed.
- Provide the Project team with the guidelines to perform their work activities in accordance with the requirements of all applicable legislation, regulations, codes and standards, Transport for NSW Traffic Control at Work Sites (TCAWS) Manual, and the Transport for NSW G10 Traffic Management (G10) Specification.
- Identify, assess and mitigate foreseeable risks to all road users arising from the proposed works.
- Capture all the information that was considered, and decisions made when developing the traffic staging plans (TSP), traffic guidance schemes (TGS), vehicle movement plans (VMP), pedestrian movement plans (PMP) and other associated plans.
- Incorporate the TSP, TGS, VMP, PMP and other associated plans.

1.2 Objectives

The key objectives to be adopted by the project team in accordance with the TMP are:

- Address the travel needs of the public.
- Integrate the works with the local environment.
- Provide protection to workers and the general public from traffic hazards that may arise as a result of the construction activity.
- Manage potential adverse impacts on traffic flows to ensure network performance is maintained at an acceptable level.
- Minimise adverse impacts on users of the road reserve and adjacent properties and facilities.

1.3 Induction

All of the relevant site personnel including subcontractors will be made aware of the requirements of this TMP and its attachments, and their respective responsibilities at their site induction.

Frequently changing and key information such as TGS, VMP and PMP will be presented to site personnel at daily toolbox meetings and made available on information boards.

1.4 Document Management

1.4.1 TMP Review

TMP review should be conducted when changes are made to the management of traffic or site conditions change. TMP should be review by a Safework NSW PWZTMP card holder.

1.5 Specifications and Guidelines

This TMP is prepared in accordance with Transport for NSW TCAWS Manual and the Transport for NSW G10 Specification.

1.6 Contacts

The key traffic management contacts for this project are listed below.

Role	Organisation	Name	Phone
Project Manager	Big Mother Touring Company	Annette Band	0468 424 199
Traffic Manager	WRS	Katharine Patterson	0405 207 501
TGS Designer	Workforce Road Services	Simone Hampton	0448 785 041
Traffic Control Team Leader	WRS	Katharine Patterson	0405 207 501
Traffic Control Supervisor	WRS	Katharine Patterson	0405 207 501

1.7 Traffic Manager

The full time site management team member nominated to be the Traffic Manager is specified below.

The Traffic Manager holds a current “Prepare Work Zone Traffic Management Plan” qualification and has a minimum of 5 years of recent experience in traffic management on road construction sites of equivalent complexity to this project.

	Details
Name	Katharine Patterson
Role	Traffic Control Team Leader
Organisation	Workforce Road Services
PWZTMP No.	TCT0039307
Years Relevant Exp.	7yrs

The roles and responsibilities of the Traffic Manager include:

- ensuring that the approved traffic management measures are implemented and maintained in accordance with the approved plans.

- carrying out regular inspections of the traffic control measures to ensure that they are effective.
- amending and updating the plans, as required, to ensure that they remain current as the work progresses.
- identifying situations where traffic congestion, or unsafe conditions for vehicles, cyclists, pedestrians and workers, are occurring and providing recommendations for improvement.
- maintaining current copies of the Traffic Management Plan and its various component plans, lane occupancy licences and speed zone authorisations, and their controlled distribution.
- keeping records of the Traffic Controllers' qualifications and ensuring that they have either been trained or carried out that work within the previous two years.
- liaising and facilitating regular meetings with the principal, other authorities and relevant parties on traffic management matters for the site, maintaining records of these meetings and making them available to the relevant persons.
- in conjunction with your Community Relations Manager, undertaking consultations with local businesses and residents.
- providing induction on traffic management measures to site personnel.
- recording, investigating and reporting on all traffic incidents.
- preparing monthly reports on traffic management matters.

1.8 Stakeholder Interface

Consultation with the following stakeholders will be undertaken when preparing the TMP and throughout the proposed works:

- Transport for NSW
- Traffic Management Centre
- Local Council
- Police and Emergencies Services
- Local Bus Companies
- Cyclist Groups
- Residents

The interface with the stakeholders will be engaged through a schedule of regular coordination meetings and information sharing throughout the project as necessary.

2 Project Information

2.1 Project Details

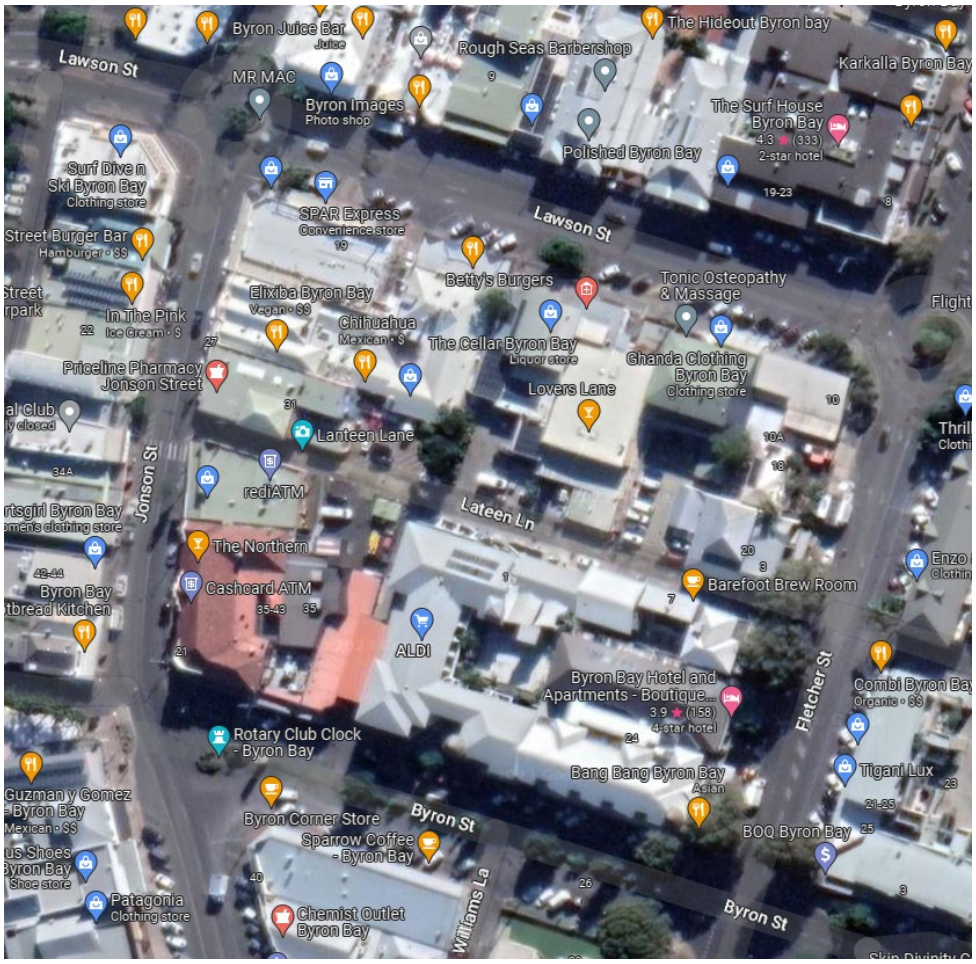
The key project details are listed in the table below.

Project Information	Details
Project Title	Music Video Production – Toni Childs
Project Number	N/A
Road Number and Name	Jonson St
Suburb	Byron Bay
Local Government Area	Byron Bay
Region	Northern Rivers
Road Classification	Local
Project Dates	August 7th 2023
Duration of Work	8 Hours
Day/Night Work	Day
Hours and Days of Work	03.30am – 11.30am
Nearby Concurrent Works	N/A

2.2 Location

Jonson St, Byron Bay – Between Lawson St & Byron St

Location Map



2.3 Project Background

Music Video Production

- Shooting a new music video for Toni Childs in Byron Bay

2.4 Scope of Works

Short Term Road Closure, to film a music video

- Road Closure
- Detour of traffic

2.5 Existing Site Data

2.5.1 Topography

The site was inspected as part of preparing the TMP and the following information was obtained as shown in the table below.

Project Information	Details
Road Cross Section (i.e. 2 lane/2 way)	2 lane/2 way
Sign Posted Speed Limit	50km/h
Pavement Type and Condition	Asphalt/Good
Horizontal Alignment (straights/curves)	Straight
Vertical Alignment (sags/crests)	N/A
Bicycle Facilities	No
Pedestrian Facilities	Yes
Bus Facilities	No
Traffic Signs	Yes
Intersections	Yes
Traffic Signals	No
Accesses	Residential/business
Significant Traffic Generators	Local shops
Other	

3 Traffic Management Strategy

3.1 Temporary Traffic Management Method

The temporary traffic management option recommended by the Transport Client was around. The temporary traffic management option recommended by the Transport Client has been adopted for the TMP. Justification for this decision is provided below.

All lanes both directions - Around – Road closure with Detour, pedestrians occupying the roadway for the duration of the production of the music video.

4 Risk Management

4.1 Procedures

A number of procedures have been followed to contribute towards the management of risks to road users and road workers during the development of this project as identified below.

4.2 Protection of Workers

Road Closure to prevent traffic & pedestrian contact.

4.3 Private and Commercial Accesses

Private & commercial vehicle access will be closed for the duration of the production.

As per the stake holder communications prior to the event.

4.4 Parking

On site parking will be monitored by traffic control to prevent incidents.

When implementing the TGS traffic control to ensure the signs are not obstructed by parked vehicles.

4.5 Traffic Control Devices

4.5.1 Traffic Control

Traffic is not directly being controlled with a traffic control device as the road closure will be implemented to prevent traffic through the area.

4.5.2 Signage

All signage to be implemented as per attached TGS & in accordance with TCAWS Manual v6.1 2022

Barrier Boards to be implemented 1.5m behind the Delineation (Cones) preventing access to the road closure.

4.5.3 Delineation

Delineation of traffic cones & Barrier Boards to be used. Hard cover (Vehicle) to be parked behind road closure points to prevent wayward vehicles from entering road closure unexpectedly.

4.6 Emergency Vehicle Access

Emergency vehicles – if the emergency vehicle does not take the detour route, they are to be given unimpeded access under lights & sirens. Traffic Control to ensure the production workers are aware of the emergency vehicle entry & have sufficient time to move clear of travel path, in case of emergency.

4.7 Traffic Incident Management

In case of emergency dial '000'

- Report all traffic incidents to Workforce Office 0249 607 555
- Report all incidents to site contact – Annette Band – 0468 424 199

4.8 Communication and Consultation

Communication between Big Mother Touring Company & all relevant stakeholders to be undertaken at regular intervals to ensure complete disclosure of required information to the stakeholders & provide the option for stakeholders to raise concerns, if any.

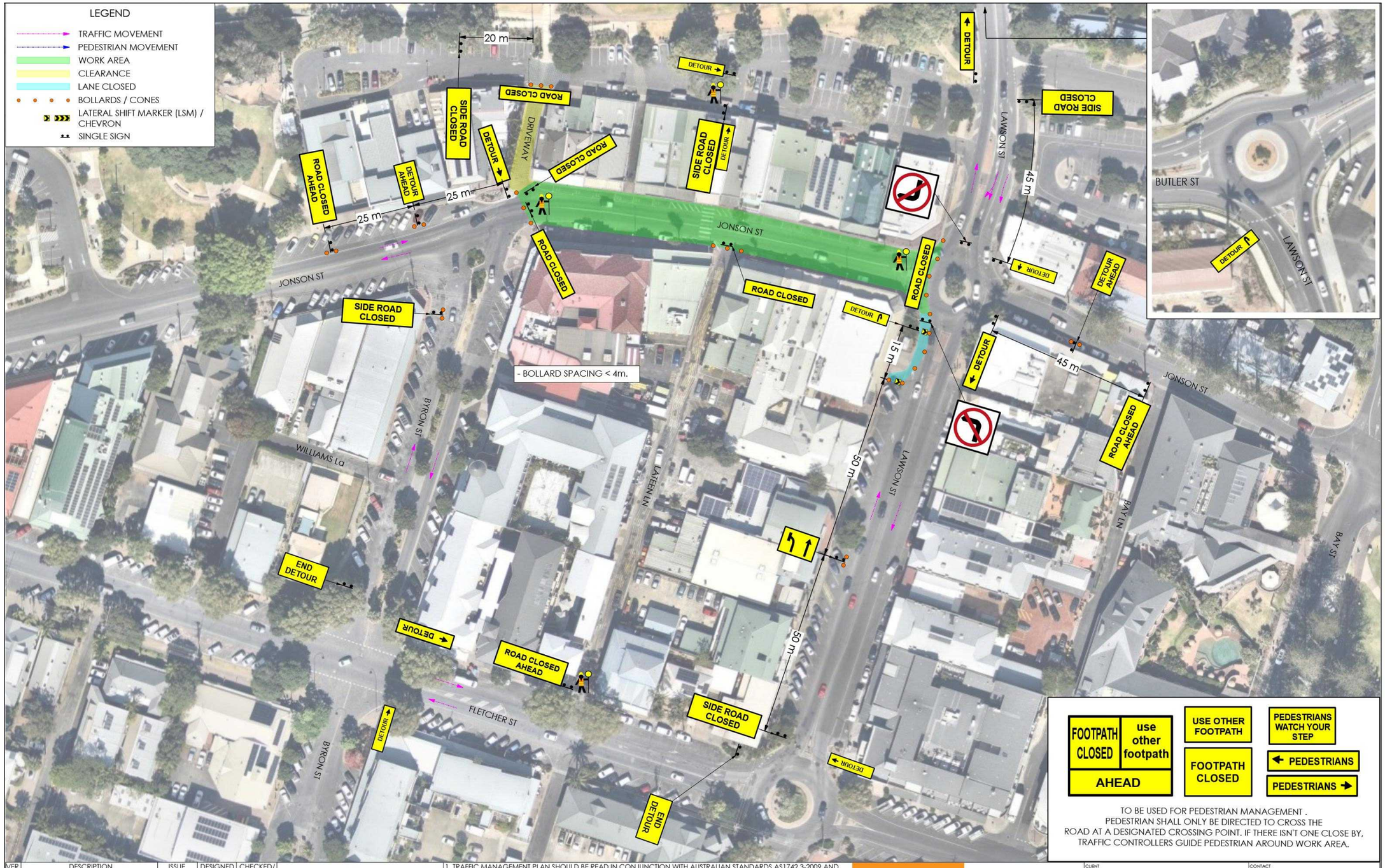
4.9 Site Inspections

Site inspections should be carried out,

- prior to & after TGS installation
- at regular intervals throughout the course of the shift (every 2hrs Min)
- after site has been dismantled before leaving to ensure all signage & equipment has been collected, leaving the roadway the way it was prior to the works.

5 Traffic Guidance Scheme & Risk assessment

WORKSITE HAZARD ASSESSMENT CHECKLIST			
Work Location:	Jonson St, Byron Bay NSW		
Client:	Big Mother Touring Company		
Type of work activity:	Music Video Event		
Road Type: (color as shown in Melways)	1. Brown - Local Road - Council Road		
Step 1- Worksite Hazard Rating			
Traffic Volume:	LOW <10,000	**Traffic speed (posted):**	50kph
Clearance between workers & traffic:	0 - 1.2 METRES	**Worksite Hazard Rating:**	Low
Step 2- Required Level of Planning			
Plans Required:	Site Specific		
Step 3- Hazards at the Worksite		**Step 4- Hazard Control Measures**	
Safety Hazard/Risk Factors	**Present at worksite**	**Hazard Control Measure(s)**	
Clearance to traffic	Yes	Advance warning signage displayed and a road closure applied to facilitate access to the event area.	
High speed traffic through worksite	No		
Poor driver compliance to speed signage.	No		
Poor advance sight distance	Yes	Advance warning signage to be displayed on side road with no obstructions.	
Poor observance of directions/instructions to motorists	Possible	Ensure signs are clearly visible to oncoming traffic with no obstructions.	
Narrow pavement with no escape path (<2.9 m width)	No		
Presence of workers at worksite	No		
Excavations adjacent to worksite	No		
Presence of unprotected hazards within the clear zone.	No		
Rough or unsealed road surface	No		
High traffic volume through worksite (>10,000 vpd)	LOW <10,000		
High volume of heavy vehicles	No		
Works vehicles entering or leaving worksite	No		
Cyclists / pedestrians through worksite	Yes	Pedestrian access maintained with advance warning signage displayed.	
Other	No		
Step 5 – Hazard Control Measures to be Used (include details of the assessment in accordance with the Hierarchy of Safety Controls indicating why higher levels were considered not to be reasonably practicable)			
Advance warning signage displayed to inform motorists of changed road conditions ahead. Further safety measures applied is a road closure. Event area shall be isolated via bollards and pedestrian tape or similar.			
Step 6- Traffic management plan prepared:	**TPC-2023-11332-001-V1**		
Step 7- Implemented plan reviewed by:			



VER.	DESCRIPTION	ISSUE DATE	DESIGNED	CHECKED/ APPROVED
1	INITIAL TGS ISSUE	02/02/2023	A.SHASH	A. SHASH

NOT TO SCALE

THIS DOCUMENT IS PRODUCED BY THE TRAFFIC PLANS COMPANY PTY LTD SOLELY FOR THE BENEFIT OF AND USE BY THE CLIENT IN ACCORDANCE WITH THE TERMS OF THE RETAINER. THE TRAFFIC PLANS COMPANY PTY LTD DOES NOT AND SHALL NOT ASSUME ANY RESPONSIBILITY OR LIABILITY WHATSOEVER TO ANY THIRD PARTY ARISING OUT OF ANY USE OR RELIANCE BY THIRD PARTY ON THE CONTENT OF THIS DOCUMENT.

1. TRAFFIC MANAGEMENT PLAN SHOULD BE READ IN CONJUNCTION WITH AUSTRALIAN STANDARDS AS1742.3-2009 AND ROAD MANAGEMENT ACT 2004, CODE OF PRACTICE TO ENSURE CORRECT INSTALLATION OF TRAFFIC CONTROL DEVICES.
2. THE LOCATION OF ANY SIGNS SHOWN ON THE PLAN MAY BE VARIED SLIGHTLY DURING THE IMPLEMENTATION TO IMPROVE VISIBILITY AND EFFECTIVENESS. ANY ALTERATIONS MADE TO THIS PLAN MUST BE IN ACCORDANCE WITH AS 1742.3-2009 AND ROAD MANAGEMENT ACT 2004, CODE OF PRACTICE, TAKING INTO ACCOUNT ANY SITE SPECIFIC REQUIREMENTS OR CONDITIONS.
3. ANY PERMANENT SIGNAGE THAT CONFLICTS WITH THE TEMPORARY TRAFFIC MANAGEMENT SIGNAGE IS TO BE COVERED.
4. AFTER IMPLEMENTATION A DRIVE-THROUGH INSPECTION IS TO BE CONDUCTED AND SIGNS ADJUSTED FOR MAXIMUM EFFECTIVENESS.
5. ALL SIGNAGE TO BE INSPECTED ON A REGULAR BASIS TO ENSURE ALL SIGNAGE IS VISIBLE TO ONCOMING TRAFFIC.
6. POSTED/EXISTING SPEED OF ROADS:
LOCAL RD - JONSON ST (SPEED ZONE 50 km/h)

THE TRAFFIC PLANS COMPANY

Planner Name: Amir Shash
Type of TCW: PWZ
Card No: TCT0003778

ABN: 21 103 477 742
22/73 ASSEMBLY DRIVE,
DANDENONG SOUTH, VIC 3175
PHONE: (+61 3) 9066 4417
EMAIL: info@trafficplans.company
WEB: www.trafficplans.company

CLIENT	BIG MOTHER TOURING COMPANY
CONTACT	ANNETTE BAND - 0468 424 199
PROJECT LOCATION	JONSON ST, BYRON BAY NSW
MUNICIPALITY	---
SITE CLASSIFICATION	SHORT TERM
TITLE / DESCRIPTION OF WORKS	MUSIC VIDEO EVENT ROAD CLOSURE
DATE	02/02/2023
MAP REF.	-----
SHEET	1 OF 1
DRAWING NUMBER	TPC-2023-11332-001-V1

www.invation.com

Report No. 6.3 Gilmore Crescent - Parking restrictions and pedestrian facilities

File No: I2023/1070

Gilmore Crescent has recently been upgraded and extended to cater for Byron Bay's new skate park.

As part of these upgrades additional parking bays have been provided. All parking in the surrounding area is restricted to ensure parking equity for the greater community and to prevent nuisance camping. Council staff are proposing the restrictions contained within the plan in attachment 1 (E2023/58247).

There will also be provision for pedestrians (refuge) on Lawson Street for safe crossing and access to the new skate park (E2023/71557).

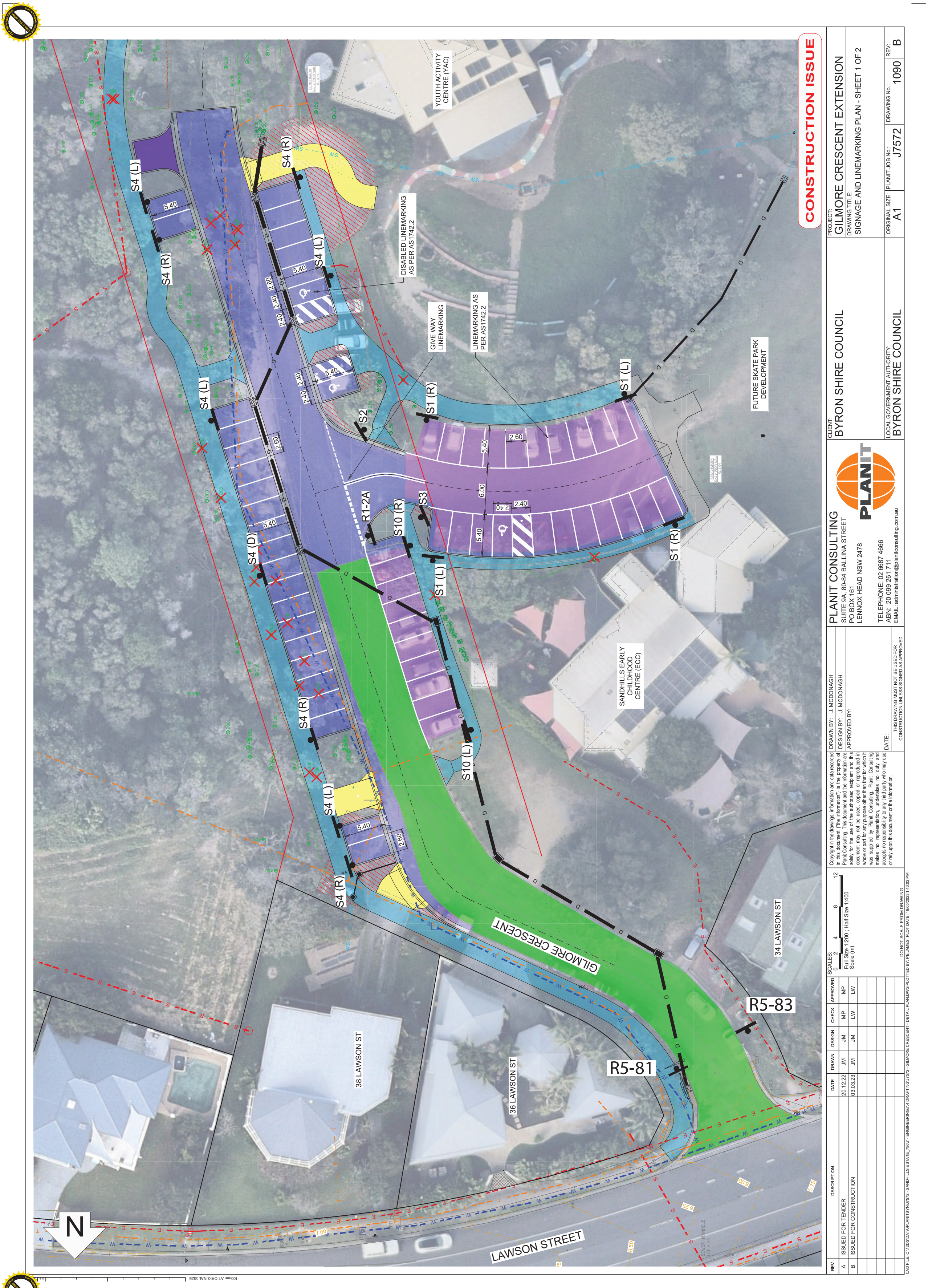
Figure 1: Locality map

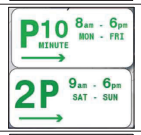
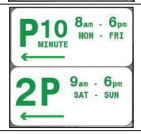
RECOMMENDATION:

That the Local Traffic Committee endorse the proposed parking restrictions within Gilmore Crescent and the pedestrian refuge facility and associated no stopping restrictions on Lawson Street as per attachments 1 (E2023/58247) and attachment 2 (E2023/71557).

Attachments:

1 Signage Plans_Gilmore Cres, E2023/58247 , page 28
2 Gilmore Crescent - Detail Plan - Refuge -12 July 2023, E2023/71557 , page 30


CONSTRUCTION ISSUE
PROJECT: GILMORE CRESCENT EXTENSION
DRAWING TITLE: SIGNAGE AND LINEMARKING PLAN - SHEET 1 OF 2
ORIGINAL SIZE: A1
PLANIT JOB No.: J7572
DRAWING No.: 1090
REV: B
CLIENT: BYRON SHIRE COUNCIL
LOCAL GOVERNMENT AUTHORITY: BYRON SHIRE COUNCIL
PLANIT CONSULTING
YOUTH ACTIVITY CENTRE (YAC)
FUTURE SKATE PARK DEVELOPMENT
SANDHILLS EARLY CHILDHOOD CENTRE (ECC)
DISABLED LINEMARKING AS PER AS1742.2
LINEMARKING AS PER AS1742.2
GIVE WAY LINEMARKING
GILMORE CRESCENT
LAWSON STREET
34 LAWSON ST
36 LAWSON ST
38 LAWSON ST
R5-81
R5-83
R1-2A
S1 (L)
S1 (R)
S2
S3
S4 (L)
S4 (R)
S4 (D)
S10 (L)
S10 (R)
N
ISSUED FOR TENDER
ISSUED FOR CONSTRUCTION

SIGN LIST		
SIGN CODE	QUANTITY	IMAGE
S1 (R)	2	
S1 (L)	2	
S10 (R)	1	
S10 (L)	1	
S2	1	
S3	1	
R2-3 L	2	
D4-1-2	2	
R1-2 (375mm ht)	2	

SIGN LIST		
SIGN CODE	QUANTITY	IMAGE
S4 (R)	4	
S4 (L)	4	
S4 (D)	1	
R1-2A	2	
R5-83	1	
R5-81	1	
W6-9A & W8-23A	2	
R5-400	2	

CONSTRUCTION ISSUE

REV	DESCRIPTION	DATE	DRAWN	DESIGN	CHECK	APPROVED
A	ISSUED FOR TENDER	20.12.22	JM	JM	MP	MP
B	ISSUED FOR CONSTRUCTION	03.03.23	JM	JM	LW	LW

SCALES: NOT TO SCALE

DO NOT SCALE FROM DRAWING

DRAWN BY: J. MCDONAGH
DESIGN BY: J. MCDONAGH
APPROVED BY:
DATE:

THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS APPROVED

PLANIT CONSULTING
SUITE 9A, 80-84 BALLINA STREET
PO BOX 161
LENNOX HEAD NSW 2478

TELEPHONE: 02 6687 4666
ABN: 20 099 261 711
EMAIL: administration@planitconsulting.com.au

CLIENT: BYRON SHIRE COUNCIL

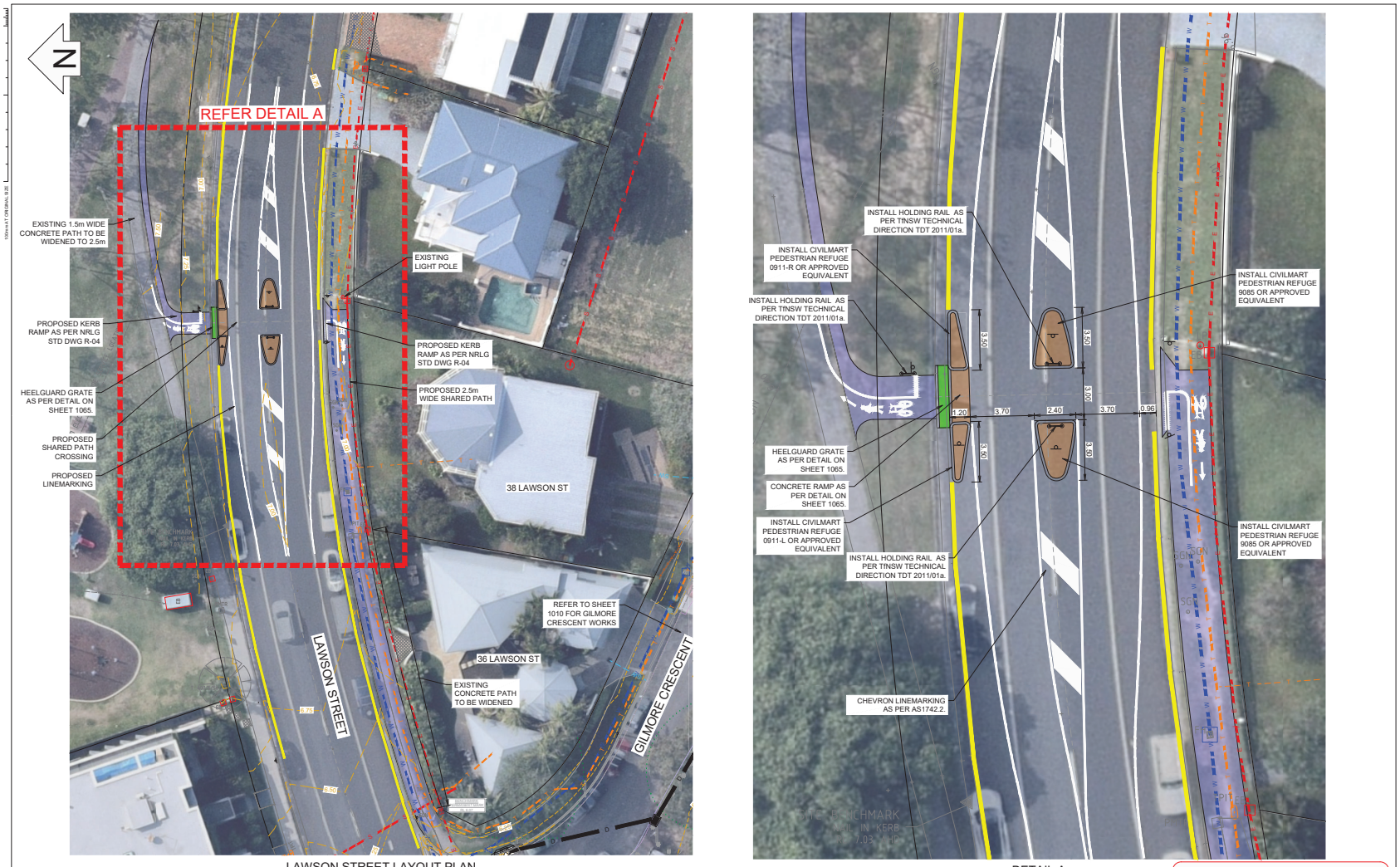
LOCAL GOVERNMENT AUTHORITY: BYRON SHIRE COUNCIL

PROJECT: GILMORE CRESCENT EXTENSION

DRAWING TITLE: SIGNAGE LEGEND

ORIGINAL SIZE:	PLANIT JOB No.:	DRAWING No.:	REV:
A1	J7572	1110	B

CAD FILE: C:\12DSI\DATA\PLANITS\YNU7572 - SANDHILLS ESTATE_7867 - ENGINEERING\7.4 DRAFTING\J7572 - GILMORE CRESCENT - DETAIL PLAN.DWG PLOTTED BY: PE.JAMES PLOT DATE: 19/05/2023 1:40:37 PM



LAWSON STREET LAYOUT PLAN
SCALE - 1:200

DETAIL A
SCALE - 1:100

CONSTRUCTION ISSUE

REV	DESCRIPTION	DATE	DRAWN	DESIGN	CHECK	APPROVED
A	PRELIMINARY ISSUE.	22.11.22	JM	JM	LW	LW
B	ISSUED FOR TENDER	20.12.22	JM	JM	MP	MP
C	HATCHING SHOWN	17.01.23	JM	JM	LW	LW
D	ISSUED FOR CONSTRUCTION	03.03.23	JM	JM	LW	LW
E	SHARED PATH ROSSING LAYOUT AMENDED	16.06.23	JM	JM		

SCALES:
0 2 4 8 12
Full Size 1:200 ; Half Size 1:400
Scale (m)
0 1 2 4 6
Full Size 1:100 ; Half Size 1:200
Scale (m)
DO NOT SCALE FROM DRAWING

DRAWN BY: J. MCDONAGH
DESIGN BY: J. MCDONAGH
APPROVED BY:
DATE:
THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS APPROVED

PLANIT CONSULTING
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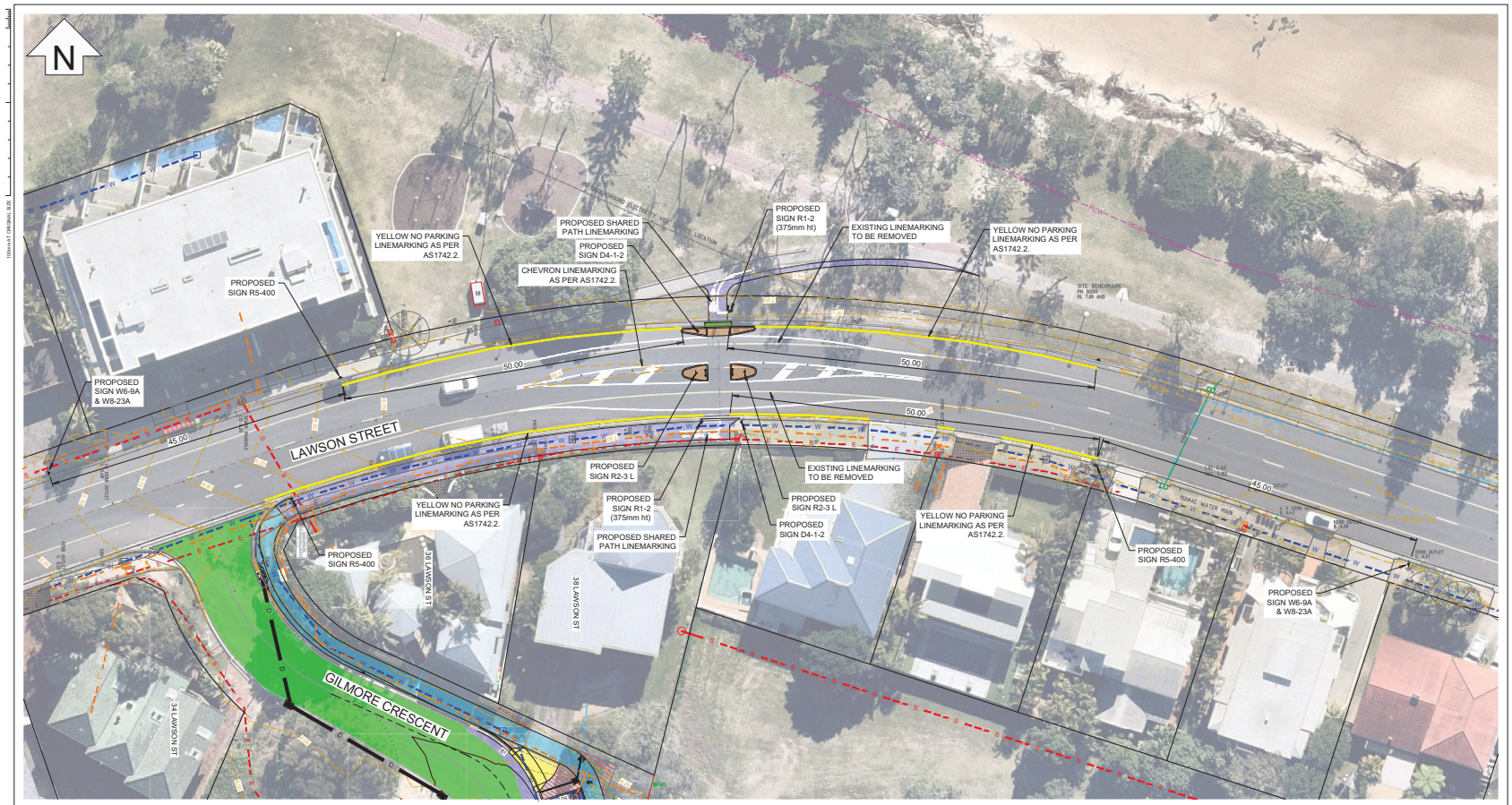
PO BOX 161
LENNOX HEAD NSW 2478
TELEPHONE: 02 6687 4666
ABN: 20 099 261 711
EMAIL: administration@planitconsulting.com.au

CLIENT: BYRON SHIRE COUNCIL
LOCAL GOVERNMENT AUTHORITY: BYRON SHIRE COUNCIL

PROJECT: GILMORE CRESCENT EXTENSION
DRAWING TITLE: LAYOUT PLAN
LAWSON STREET SHARED PATH AND CROSSING

ORIGINAL SIZE:	PLANIT JOB No.:	DRAWING No.:	REV:
A1	J7572	1030	E

CAD FILE: C:\12DSI\DATA\PLANITS\NU7572 - SANDHILLS ESTATE_7867 - ENGINEERING\7.4 DRAFTING\J7572 - GILMORE CRESCENT - DETAIL PLAN.DWG PLOTTED BY: PE.JAMES PLOT DATE: 20/06/2023 12:11:14 PM



CONSTRUCTION ISSUE

REV	DESCRIPTION	DATE	DRAWN	DESIGN	CHECK	APPROVED
A	ISSUED FOR TENDER	20.12.22	JM	JM	MP	MP
B	ISSUED FOR CONSTRUCTION	03.03.23	JM	JM	LW	LW
C	SIGNAGE AND LINEMARKING LAYOUT AMENDED	16.06.23	JM	JM	LW	LW
D	SIGNAGE AND LINEMARKING LAYOUT AMENDED	20.06.23	JM	JM		

SCALES: 0 2.5 5 10 15
Full Size 1:250 ; Half Size 1:500
Scale (m)
DO NOT SCALE FROM DRAWING

DRAWN BY: J. MCDONAGH
DESIGN BY: J. MCDONAGH
APPROVED BY:
DATE:
THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS APPROVED

PLANIT CONSULTING
SUITE 9A, 80-84 BALLINA STREET
PO BOX 161
LENNOX HEAD NSW 2478
TELEPHONE: 02 6687 4666
ABN: 20 099 261 711
EMAIL: administration@planitconsulting.com.au

CLIENT: BYRON SHIRE COUNCIL
LOCAL GOVERNMENT AUTHORITY: BYRON SHIRE COUNCIL

PROJECT: GILMORE CRESCENT EXTENSION
DRAWING TITLE: SIGNAGE AND LINEMARKING PLAN - SHEET 2 OF 2

ORIGINAL SIZE:	PLANIT JOB No.:	DRAWING No.:	REV:
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CAD FILE: C:\12DSD\DATA\PLANITS\YNU7572 - SANDHILLS ESTATE_7867 - ENGINEERING\7.4 DRAFTING\J7572 - GILMORE CRESCENT - DETAIL PLAN.DWG PLOTTED BY: PE.JAMES PLOT DATE: 20/06/2023 12:12:02 PM

Report No. 6.4 Wordsworth Street / Shirley Street - Parking and intersection upgrades.

File No: I2023/1071

Wordsworth Street is a short dead-end street that currently provides access to the Byron Bay Police Station and a nursing home. However, the nursing home also has secondary access off Butler Street. Council plans to repair and upgrade Wordsworth Street. As part of these works, Council will create additional car parking bays and modify the current intersection arrangement at Shirley Street.

Traffic modelling (2033) has indicated that right turns through the intersection of Shirley Street and Wordsworth Street will experience significant delays in the future due to development. Unfortunately, completely banning right turns from the intersection is not recommended because the right-turn from Wordsworth Street would be redirected to a U-turn downstream, which is not appropriate. Moreover, prohibiting the right turn out of Wordsworth Street would interfere with police business.

To enhance safety at the intersection, the proposed design eliminates the conflict of the right turn into Wordsworth Street from Shirley Street by implementing a right-turn ban. This design also reduces delays for the right-turn out by allowing one vehicle to wait in the centre median for a two-stage right turn. Additionally, the design addresses sight distance issues for the right turn from Wordsworth Street by removing the left turn pocket on Butler Street (into Wordsworth Street) for westbound traffic.

Please note that the attached plans were the result of Council seeking concurrence from TfNSW with respect to the intersection and the plans were amended accordingly based on their advice.

Please see attachment 1, Construction drawings Wordsworth Street and Shirley Street (E2023/38317)

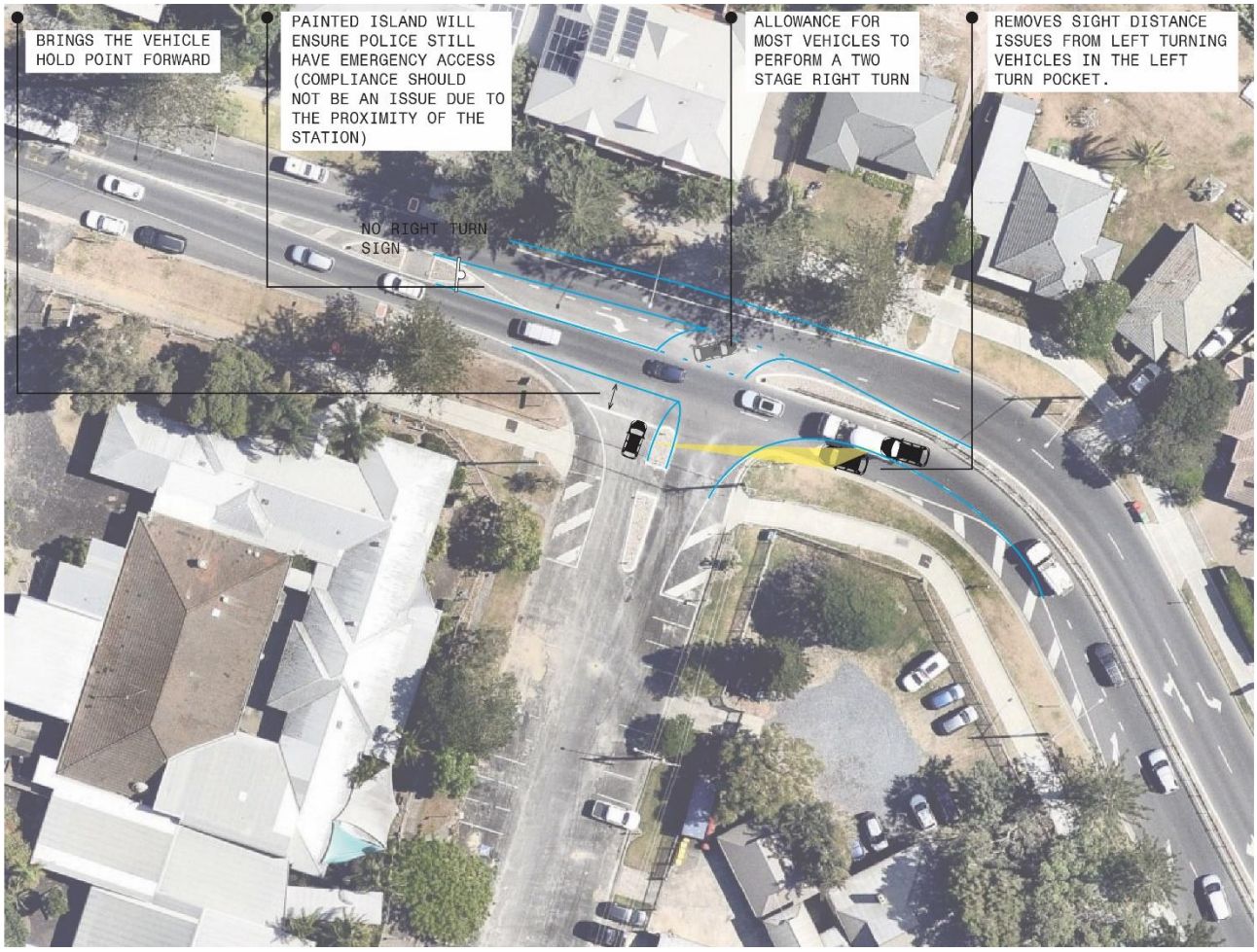


Figure 1: Design intent: Intersection of Shirley Street at Wordsworth Street

5

RECOMMENDATION:

That the Local Traffic Committee endorse;

10 **a) the treatments at the intersection of Shirley Street to improve safety and capacity**

b) the updated parking restrictions within Wordsworth Street

Detailed plans for these improvements are shown in attachment 1, Construction drawings Wordsworth Street and Shirley Street (E2023/38317).

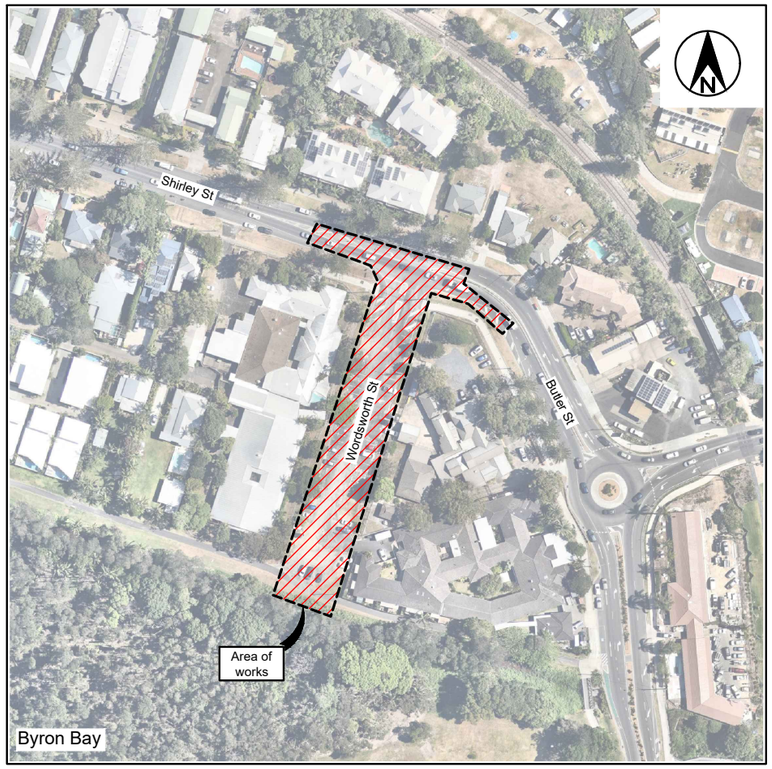
Attachments:

1 Construction drawings Wordsworth Street and Shirley Street, E2023/38317 , page 35

5

Street Upgrade
Wordsworth Street
Byron Bay

BYRON SHIRE COUNCIL



Locality sketch

Index		
Description	**DWG No.**	**Issue**
Index and Locality Sketch	2935-01	1
General Notes	2935-02	1
Erosion & Sediment Control Plan	2935-03	1
Erosion & Sediment Control Notes	2935-04	1
Key Plan & Typical Section	2935-05	1
Demolition Plan Sheet 1 of 2	2935-06	1
Demolition Plan Sheet 2 of 2	2935-07	1
Site Plan Sheet 1 of 2	2935-08	1
Site Plan Sheet 2 of 2	2935-09	1
Drainage Longsection	2935-10	1
Road CL Longsection	2935-11	1
Road CL Cross Sections Sheet 1 of 5	2935-12	1
Road CL Cross Sections Sheet 2 of 5	2935-13	1
Road CL Cross Sections Sheet 3 of 5	2935-14	1
Road CL Cross Sections Sheet 4 of 5	2935-15	1
Road CL Cross Sections Sheet 5 of 5	2935-16	1
General Details	2935-17	1
Signs & Line marking Plan	2935-18	1

Legend

Issue A, B, C, etc. = Preliminary approvals / tender drawings (NOT FOR CONSTRUCTION)
Issue 1, 2, 3, etc. = Construction issue drawings

ISSUED FOR CONSTRUCTION
DATE .....13/04/2023.....

☐ Project has been constructed in accordance with these plans

OR

☐ Project has been constructed with departures from these plans as shown marked in red

.....
Construction Engineer

Date: .....

Approval
on behalf of the General Manager

.....
Director Infrastructure Services

Date: .....

Project Pulse Number: PM22_1368	
Plan Register Number: 2935	
Drawing number	Issue
2935-01	1

ACAD FILE No: G:\Engineer\CAD\2900-2999\2935 Wordsworth Street, Byron Bay\Civil Design\DWG\CONSTRUCTION\2935 Wordsworth Base-IFC.dwg

General

1. These drawings shall be read in conjunction with the relevant Northern Rivers Local Government development design and construction manuals and standard drawings.
2. This note and the following notes form an integral part of this drawing set.
3. All dimensions are in metres unless shown otherwise.
4. Dimensions shall not be scaled from the drawings.
5. Materials and workmanship shall be in accordance with the specifications, together with the requirements of all applicable codes of practice, Australian standards and statutory authorities.
6. Survey data has been compiled from field pick-ups and office records. The project manager should ensure that sufficient data is shown to enable construction without disturbance to features that are not shown on the drawings.
7. Services shown hereon have been located where visible on the site, from information received from relevant authorities and from historical records held by Byron shire council.
8. Prior to any demolition, excavation or construction on site, the relevant authorities should be contacted for possible location of further underground services and detailed location of all services (Dial before you dig 1100).
9. The title boundaries shown hereon were not field investigated or marked at the time of survey and have been determined by plan dimensions only.
10. The origin of co-ordinates is MGA1994.
11. The datum for levels is AHD.

Site works

1. All soils containing organic matter (e.g. roots, grass etc.) must be stripped from the construction site prior to filling / building works and must not be used as fill material.
2. All exposed surfaces shall be grassed or paved to prevent scour and erosion damage.
3. The constructor is responsible for implementing all necessary sedimentation and erosion control measures specified or deemed necessary to protect the works and adjacent areas.
4. The constructor is responsible for the maintenance and management of a temporary and / or permanent erosion and sedimentation controls during the construction and maintenance period.
5. All oversized material, which may impede compaction, must be removed from the fill platform.
6. Fill is to be uniformly compacted in up to 200-300mm horizontal layers and must achieve a minimum standard of compaction of greater than 95% standard compaction to AS 1289 for cohesive soils, or a density index of greater than 65% for cohesionless soils. Benching of the natural ground will be required on sloping ground prior to commencement of fill operations.
7. Clays of high plasticity or high in-situ moisture content are not to be used as fill.
8. An imported granular fill with a plasticity index preferably less than 15%, with no excessive oversized material, may be used.
9. Field density tests, or equivalent, should be carried out to verify that the standard of compaction is achieved. Field density tests are to be taken over the full depth of the layer or from the bottom of the layer.

Restoration of surfaces

1. The constructor shall clean pavements, lawns and other improved areas and leave them in the same order as they were at the commencement of the works. The constructor shall restore any fencing removed during construction and shall restore lawns with turf cut and set aside from the original surface and with imported turf from a source approved by the construction engineer. (WSA 02 2002 Part 3, Section 25).
2. Immediately after backfilling of a trench excavated through a pavement has been completed, the constructor shall temporarily restore the pavement. Where the trench crosses bitumen or concrete pavement, the surface is to be protected from deterioration. A pre-mixed asphaltic material may be used for such temporary restoration. the constructor shall maintain the temporary restoration until final restoration is carried out. Final restoration of the pavement shall be carried out to restore the pavement and its sub-base to no less than the original condition. Final restoration may include, if required by the construction engineer, the removal of temporary restoration.
3. In other than roadways, the constructor shall place the backfill sufficiently high to compensate for expected settlement and further backfilling shall be carried out or the original backfill trimmed at the end of the defects liability period in order that the surface of the completed trench may then conform with the adjacent surface. Surplus material shall be removed and disposed of to areas arranged by the constructor. Where dry weather conditions have persisted after the original backfilling, including during the defects liability period, the constructor shall take all necessary steps to consolidate the trench before removing surplus materials from the site.
4. In locations where, in the opinion of the construction engineer, surplus material left in the vicinity of the trench would not be objectionable, the surplus material may be disposed by spreading neatly in the vicinity of the trench to the satisfaction of the construction engineer in such a way as to avoid future erosion of the backfill and adjacent ground surfaces. The constructor shall maintain the backfill and adjacent ground until the expiry of the defects liability period.
5. Where, within public or private property, the reasonable convenience of persons will require such, the construction engineer may order the constructor to level trenches at the time of backfilling. The constructor shall make good any subsequent settlement, as required by placing additional fill.
6. The constructor shall immediately restore any damaged or disturbed private property and services.
7. Should the constructor elect to tunnel under paving, kerb and gutter or other improved surfaces in lieu of trenching, backfilling shall be so carried out as to restore full support to those surfaces. The constructor shall remain responsible for the repair of the improved surfaces, if subsequently damaged due to subsidence of the backfill, until the end of the defects liability period.
8. The constructor shall provide notice to affected property owners of any pending works.

Driveways

1. All existing driveways affected by new works are to be cut back, removed & reconstructed using material to match existing.
2. The constructor shall liaise with the property owners regarding any variation to the above.
3. Reconstruction of existing concrete driveway or pathway is to be in accordance with Northern Rivers Local Government D1.37 AND D1.38 "Handbook for driveway access to property" and relevant standard drawings .
4. Reconstruction of existing bitumen sealed driveway shall be of similar construction to that of the existing with a compacted gravel base course

Existing services

1. The constructor shall be responsible for the location of existing services prior to commencing with the works.
2. The constructor shall be responsible for the replacement of any existing services damaged during construction with new services of equivalent type and specifications.
3. The constructor shall be responsible for liasing with telecommunications and electrical supply authorities with supply and fitment of replacement telecommunications and electricity pits and/or lids to suit his works program
4. When constructing or working near existing pressure mains it should be expected that there are concrete thrust blocks located at bends or other fittings on the existing main. It is very important not to disturb the bearing soil behind the thrust block to avoid failure of the existing pressure main. If excavation around existing thrust blocks can not be avoided then the existing pressure main shall be taken off line during the excavation works.

Concrete

All workmanship and materials shall be in accordance with A.S.3600, current edition with amendments

1. Concrete quality (unless otherwise shown) shall be as follows
   - course aggregate - maximum size 20mm
   - cement - type "A" Portland cement.
   - concrete shall have the following slump during placement
     - beams ,slabs and footings 80mm
     - columns and walls 80mm
3. Slab joints shall be placed as follows
   - footpaths - as per Northern Rivers Local Government standard drawing R-07
   - Slabs and walls - refer to slab jointing plan within this drawing set
   - Slab sawn joints shall be cut within 24 hours of slab pouring in a neat and straight cut.
4. All splatter to surrounding surfaces shall be cleaned up immediately
5. Cover to reinforcement shall be obtained by the use of plastic bar chairs with maximum spacing of 800mm in any direction
6. All concrete shall be compacted using high frequency vibrators.
7. Curing of concrete surfaces shall commence immediately after surfaces are finished and shall continue to cure for a minimum of 7 days
8. Slabs with specific rough finishes shall be kept free of bleed water and floated to prevent the formation of plastic shrinkage cracks.

Proposed services

1. After laying and jointing of a pipeline has been completed the constructor shall present the laid and jointed pipes for inspection by the construction engineer prior to commencement of trench backfilling. (WSA 02 2002, section 21).
2. Backfill shall not be placed until the construction engineer has given approval.
3. Material for the side support and overlay of the pipe shall be as for pipe bedding specified in clause C402.23. The material shall be compacted in layers of not more than 150mm to 95 per cent of the standard maximum dry density of the material used when determined in accordance with AS 1289.5.7.1. 4.
4. The constructor shall backfill the remainder of the excavation and compact the backfill in layers of not more than 150mm thick in accordance with WSA 02-2002 Part 3, Section 21.1.
5. Where the trench is within a roadway, proposed roadway, or footpath area, the remainder of the trench shall be: backfilled with a non-cohesive granular material, with a grading falling generally within the limits shown in Table C402.3, and compacted to density index of 70 when determined in accordance with AS 1289.5.4.1 for cohesionless materials
   A. Below 0.5m of the road surface
   B. In the road reserve, but excluding the road pavement - backfilled with excavated material, and compacted to 100 per cent of the standard maximum dry density of the material when determined in accordance with AS 1289.5.7.1, to within 0.5m of the road surface, but excluding the pavement layers.
   - Backfilled with road base and sub-base material as per existing or proposed pavement layers and compacted to 100 per cent of the standard maximum dry density of the material when determined in accordance with AS 1289.5.7.1
   - Elsewhere, unless stated otherwise, the remainder of the trench shall be backfilled with ordinary excavated backfill material. Where suitable material is not available, granular material may be used for the full depth of backfilling. the material shall be compacted to a density index of 70 when determined in accordance with AS 1289.5.4.1 for cohesionless materials or 98 per cent of the standard maximum dry density of the material when determined in accordance with AS 1289.5.7.1 for cohesive materials.
6. The constructor shall carry out backfilling and compaction without damaging the pipe or its external coating or wrapping or producing any movement of the pipe.
7. The constructor shall carry out compaction tests 75mm to 100mm below the level being tested (WSA 02-2002 Part 3, Section 22.3).
8. The constructor may compact backfill by trench flooding only where: (A) The ground and backfill material is cohesionless and (B) Water for flooding has been sourced at the site. (C) The process will not create mud which would be moved off site by vehicles or construction plant. (D) Additives are not used.

CONSTRUCTION
FOR CONSTRUCTION

Issue	Amendment details	Drawn	Check	Date
1	Construction issue	A.D.	J.F.	13.04.23

Use figured dimensions only. Do not scale.

Infrastructure Services
Council offices
70-90 Station Street,
Mullumbimby NSW 2482.
Phone 02 66267000
Fax 02 66843018
Website www.byron.nsw.gov.au

BYRON SHIRE COUNCIL

Approved on behalf of the General Manager
..... Date .....

Designed	A.D.	03.03.23
Drawn	A.D.	03.03.23
Checked	J.F.	03.03.23
Horizontal datum		MGA1994
Vertical datum		AHD

Project: **Street Upgrade Wordsworth Street, Byron Bay**

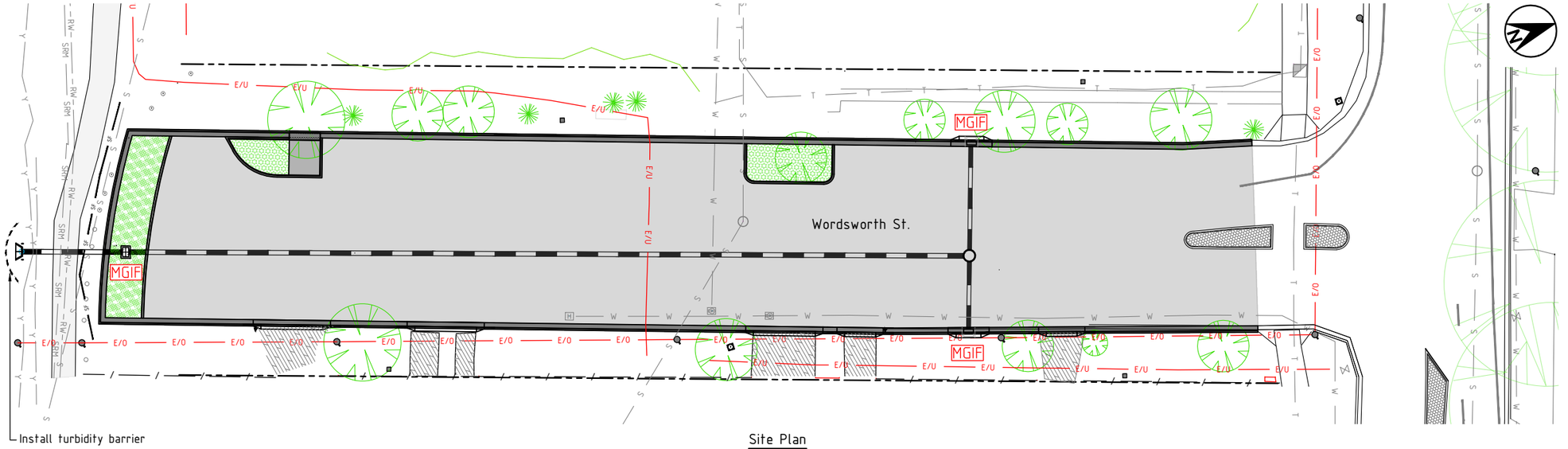
Project number: **2935**

Plan title: **General notes**

Drawing number: **2935-02**

Issue: **1**

ACAD FILE No: G:\Engineer\CAD\2900-2999\2935 Wordsworth Street, Byron Bay\Civil Design\DWG\CONSTRUCTION\2935 Wordsworth Base-IFC.dwg



Site Plan

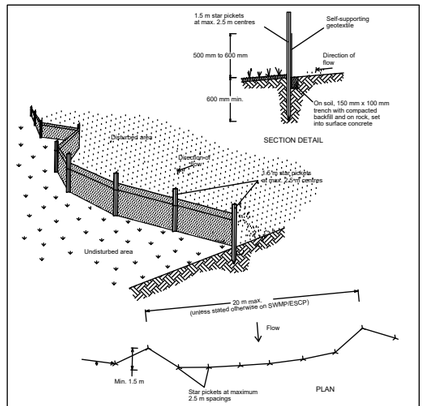
Scale 1:400 (A3)

Note

Installation of silt fence to be staged according to work progress.

Legend

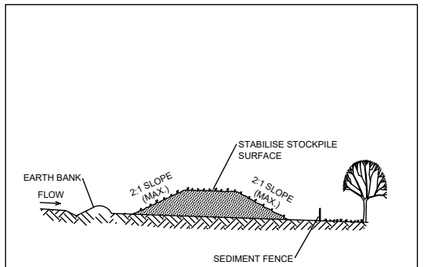
MGIF	Proposed mesh and gravel inlet filter (Refer 2935-04 for details)
SF — SF	Proposed silt fence
	Proposed drainage
	Proposed kerb inlet pit
	Proposed junction pit
	Proposed turbidity barrier
	Proposed road pavement
	Proposed garden
	Proposed infiltration garden
	Existing property boundary
SW	Existing storm water pipe to be removed
T	Existing comms line to remain
W	Existing water main to remain
RW	Existing recycled water main to remain
SRM	Existing sewer rising main to remain
S	Existing sewer main to remain
E/U	Existing underground power
E/O	Existing overhead power



Construction Notes

1. Construct sediment fences as close as possible to being parallel to the contours of the site, but with small returns as shown in the drawing to limit the catchment area of any one section. The catchment area should be small enough to limit water flow if concentrated at one point to 50 litres per second in the design storm event, usually the 10-year event.
2. Cut a 150-mm deep trench along the upslope line of the fence for the bottom of the fabric to be entrenched.
3. Drive 1.5 metre long star pickets into ground at 2.5 metre intervals (max) at the downslope edge of the trench. Ensure any star pickets are fitted with safety caps.
4. Fix self-supporting geotextile to the upslope side of the posts ensuring it goes to the base of the trench. Fix the geotextile with wire ties or as recommended by the manufacturer. Only use geotextile specifically produced for sediment fencing. The use of shade cloth for this purpose is not satisfactory.
5. Join sections of fabric at a support post with a 150-mm overlap.
6. Backfill the trench over the base of the fabric and compact it thoroughly over the geotextile.

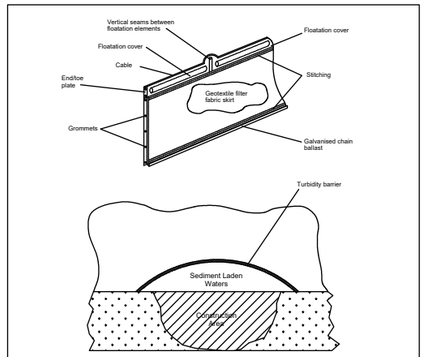
SEDIMENT FENCE SD 6-8



Construction Notes

1. Place stockpiles more than 2 (preferably 5) metres from existing vegetation, concentrated water flow, roads and hazard areas.
2. Construct on the contour as low, flat, elongated mounds.
3. Where there is sufficient area, topsoil stockpiles shall be less than 2 metres in height.
4. Where they are to be in place for more than 10 days, stabilise following the approved ESCP or SWMP to reduce the C-factor to less than 0.10.
5. Construct earth banks (Standard Drawing 5-5) on the upslope side to divert water around stockpiles and sediment fences (Standard Drawing 6-8) 1 to 2 metres downslope.

STOCKPILES SD 4-1



Construction Notes

1. Use turbidity barriers only where high flows are unlikely to remove accumulated sediment and/or move the curtain significantly.
2. Where the barrier is to remain in place for more than one month, ensure the floatation cover is a UV-resistant, durable material.
3. Use only closed cell foam or foam-filled PVC piping as floatation elements. Do not use unfilled pipes.
4. Use only woven or heat-set non woven geotextiles. Needle-punched, non woven geotextiles can become fouled with debris that fray and delaminate them as they move with the waves or currents.
5. Remove captured sediment before the barrier is decommissioned.
6. In tidal areas, ensure the barrier can rise and fall without being moved from its position.

TURBIDITY BARRIER SD 6-10

CONSTRUCTION

FOR CONSTRUCTION

Issue	Amendment details	Drawn	Check	Date
1	Construction issue	A.D.	J.F.	13.04.23

SCALE: A1 SHEET 1:200, A3 SHEET 1:400

0 2 4 8 12 16 20 m

Use figured dimensions only. Do not scale.

Infrastructure Services
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BYRON SHIRE COUNCIL

Approved on behalf of the General Manager

..... Date .....

Designed	A.D.	03.03.23
Drawn	A.D.	03.03.23
Checked	J.F.	03.03.23
Horizontal datum		MGA1994
Vertical datum		AHD

Project: **Street Upgrade Wordsworth Street, Byron Bay**

Project number: **2935**

Plan title: **Erosion & Sediment Control Plan**

Drawing number **2935-03**

Issue **1**

ACAD FILE No: G:\Engineer\CAD\2900-2999\2935 Wordsworth Street, Byron Bay\Civil Design\DWG\CONSTRUCTION\2935 Wordsworth Base-IFC.dwg

EROSION AND SEDIMENT CONTROL PLANS

PRINCIPLES AND STANDARD SITE CONTROL MEASURES

MINIMISE EXTENT AND DURATION OF DISTURBANCE
- CONSTRUCTION WORKS TO BE MANAGED SUCH THAT AREAS OUTSIDE SCOPE OF WORKS REMAIN UNDISTURBED WHERE POSSIBLE.
- MINIMISE EXTENT OF DISTURBANCE WITHIN CONSTRUCTION SITE AT ANY ONE TIME BY STAGING THE WORKS (EG. RIP EXISTING BITUMEN IN SECTIONS, MOVING ON TO NEW SECTIONS FOLLOWING COMPLETION OF PREVIOUS STAGE).
- MINIMISE DISTURBANCE OF VEGETATION ALONG THE ROAD VERGE WITH SPECIAL EMPHASIS ON MANAGEMENT OF CONSTRUCTION ACTIVITIES ADJACENT TO TO WATERCOURSES (E.G. MAINTAIN GRASSY BUFFER WHERE POSSIBLE).

CONTROL STORMWATER FLOWS ONTO, THROUGH AND FROM THE SITE
- SEPARATE 'CLEAN' RUN-ON WATER FROM 'DIRTY' (E.G. TURBID) CONSTRUCTION AREA RUNOFF (MAINTAIN CLEAN WATER PASSAGE THROUGH CULVERT CROSSING THROUGHOUT CONSTRUCTION WORKS).
- CONSTRUCT PERMANENT DRAINAGE STRUCTURES EARLY IN THE PROJECT INCLUDING:
  - KERB ON DOWN SLOPE SIDE OF ROAD
  - CULVERTS, HEADWALLS AND ASSOCIATED INLET AND OUTLET PROTECTION (E.G. DISSIPATERS)
- MAXIMISE THE SHEET FLOW OF TURBID CONSTRUCTION RUNOFF INTO EXISTING SPOON DRAIN (ON UP SLOPE SIDE OF ROAD) BY MAINTAINING IN-FALL DRAINAGE WHERE POSSIBLE AND INTO NEW GUTTERS AS CONSTRUCTED.

USE EROSION CONTROL MEASURES TO PREVENT ON-SITE DAMAGE
- THE INSTALLATION OF ALL EROSION AND SEDIMENT CONTROLS TO OCCUR IMMEDIATELY POST CLEARING AND STRIPPING.
- SITE STOCKPILES OF SOIL MATERIAL IN LOW-HAZARD AREAS CLEAR OF WATERCOURSES. ADDITIONAL PROTECTION TO BE AFFORDED WITH TEMPORARY VEGETATION, DIVERSION BANKS AND SEDIMENT CONTROL MEASURES, IF REQUIRED. SEED STOCKPILES WITH ANNUAL GRASS IF THEY ARE TO BE STORED LONGER THAN 10 DAYS.
- CONSTRUCT A RANGE OF EROSION CONTROLS WITHIN THE VARIOUS ROAD SUB-CATCHMENTS TO COMPLEMENT AND INCREASE THE EFFECTIVENESS AND EFFICIENCY OF SEDIMENT CONTROLS IN THE LOWER AREAS.

USE SEDIMENT CONTROL MEASURES TO PREVENT OFF-SITE DAMAGE
- THE INSTALLATION OF ALL EROSION AND SEDIMENT CONTROLS TO OCCUR IMMEDIATELY POST CLEARING AND STRIPPING.
- CONSTRUCT CONTROL MEASURES AS CLOSE TO THE POTENTIAL SOURCE OF SEDIMENT AS POSSIBLE.
- CONTROL THE DEPOSITION OF MUD AND SOIL MATERIAL ONTO LOCAL ROADS.

STABILISE DISTURBED AREAS QUICKLY
- ALL BATTER STABILISATION AND REINSTATEMENT WORKS ADJACENT TO NEW CONSTRUCTION SHALL BE CARRIED OUT AS SOON AS POSSIBLE AFTER COMPLETION OF CONSTRUCTION WORKS.
- ALL DISTURBED VERGES AND FILL BATTERS TO BE STABILISED BY REVEGETATING WITH APPROPRIATE SPECIES (E.G. ANNUAL GRASS SEED SUCH AS ANNUAL RYEGRASSS OR JAPANESE MILLET, OR TURF) AS SOON AS PRACTICAL AFTER REINSTATEMENT.
- ENSURE THE SUCCESS OF THE LATER REVEGETATION PROGRAM BY UTILISING A GOOD TOPSOIL MANAGEMENT PROGRAM
- CONTROL DUST THROUGH PROGRESSIVE REVEGETATION TECHNIQUES, WATER TANKERS ETC.

INSPECT AND MAINTAIN CONTROL MEASURES
- ENSURE THE PROGRESSIVE AND CONTINUAL IMPLEMENTATION AND MAINTENANCE OF TEMPORARY EROSION AND SEDIMENT CONTROLS (E.G. SEDIMENT FENCES, DIVERSION BANKS, DIVERSION DRAINS, SEDIMENT TRAPS).
- INITIATE A PROGRAM TO ENSURE REGULAR MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES. SEDIMENT CLEANED FROM STRUCTURES (E.G. SCRAPE AWAY ACCUMULATED SEDIMENT UPSTREAM OF CHECK DAMS AND REPLACE/REPAIR AS NECESSARY) TO MAINTAIN FUNCTIONALITY.
- ARRANGE REGULAR INSPECTIONS BY AN ENVIRONMENTAL SCIENTIST TO REVIEW AND UPDATE CONTROL MEASURES. ADDITIONAL INSPECTIONS WILL BE CONDUCTED DURING AND/OR IMMEDIATELY FOLLOWING SIGNIFICANT RAINFALL EVENTS TO MONITOR THE FUNCTIONING OF CONTROLS.
- ALL EROSION AND SEDIMENT CONTROLS TO BE MAINTAINED IN PLACE UNTIL ALL WORKS ARE COMPLETED AND DISTURBED AREAS HAVE STABILISED.

EXTRACT FROM LANDCOM (2004). MANAGING URBAN STORMWATER: SOIL AND CONSTRUCTION. VOLUME 2D MAIN ROADS CONSTRUCTION. 2008

THIS SEDIMENT AND EROSION CONTROL PLAN CONTAINS COUNCIL'S MINIMUM REQUIREMENTS FOR ENVIRONMENTAL PROTECTION; HOWEVER, IT IS STILL THE PRINCIPAL CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE WORKS AND MITIGATION STRATEGIES ARE PERFORMED IN A MANNER THAT COMPLIES WITH ALL RELEVANT ENVIRONMENTAL LEGISLATION, INCLUDING ANY DEVELOPMENT APPROVAL REQUIREMENTS.

EROSION AND SEDIMENTATION CONTROL

1. THE CONSTRUCTOR SHALL ENSURE THAT EFFECTIVE EROSION AND SEDIMENTATION CONTROL IS PROVIDED AT ALL TIMES DURING THE CONSTRUCTION WORKS AND UNTIL ALL DISTURBED SURFACES ARE FULLY RESTORED OR RE-VEGETATED TO THE SATISFACTION OF THE PROJECT MANAGER. REFER TO THE EROSION AND SEDIMENTATION CONTROL PLAN WITHIN THE DRAWING SET.

2. RUNOFF FROM ALL AREAS WHERE THE NATURAL SURFACE IS DISTURBED BY CONSTRUCTION, INCLUDING ACCESS ROADS, DEPOT AND STOCKPILE SITES, SHALL BE FREE OF POLLUTANTS. THE CONSTRUCTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES REQUIRED FOR THIS PURPOSE.

3. THE CONSTRUCTOR SHALL PROVIDE AND MAINTAIN SLOPES, CROWNS AND DRAINS ON ALL EXCAVATIONS AND EMBANKMENTS TO ENSURE SATISFACTORY DRAINAGE AT ALL TIMES. WATER SHALL NOT BE ALLOWED TO POND ON THE WORKS UNLESS SUCH PONDING IS PART OF AN APPROVED EROSION AND SEDIMENTATION CONTROL PLAN.

4. THE CONSTRUCTOR SHALL BE RESPONSIBLE FOR OPERATION, MONITORING, CLEANING OUT, MAINTENANCE, REPAIR AND RECTIFICATION OF EROSION AND SEDIMENT CONTROL WORKS AS SPECIFIED IN THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN.

5. ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL WORKS SHALL BE REMOVED BY THE CONSTRUCTOR WHEN REVEGETATION IS ESTABLISHED ON FORMERLY EXPOSED AREAS BEFORE THE END OF THE CONSTRUCTION WORKS. ALL MATERIALS USED FOR THE TEMPORARY EROSION AND SEDIMENTATION CONTROL WORKS SHALL BE REMOVED FROM THE SITE.

EROSION & SILTATION PREVENTION NOTES

1. ALL EROSION &. SEDIMENT CONTROLS SHALL BE DESIGNED, INSTALLED AND MAINTAINED IN ACCORDANCE WITH TWEED SHIRE COUNCIL'S DEVELOPMENT DESIGN SPECIFICATION D7 - STORMWATER QUALITY, AND ITS' ANNEXURE A – CODE OF PRACTICE FOR SOIL & WATER MANAGEMENT ON CONSTRUCTION SITES.

2. CONSTRUCTION WORKS ARE TO BE MANAGED SUCH THAT AREAS OUTSIDE THE SCOPE OF WORKS REMAIN UNDISTURBED WHERE POSSIBLE.

3. ALL SILTATION & EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION WORKS (THE EXTENT OF THE DEVICES MAY BE VARIED FROM THAT SHOWN ON THE DESIGN PLANS TO SUIT STAGED CONSTRUCTION.

4. THE DEVICES SHALL BE MAINTAINED IN PLACE UNTIL ALL WORKS ARE COMPLETED AND TURF OR GRASSING HAS BECOME ESTABLISHED

5. DURING CONSTRUCTION, ALL STORMWATER PITS SHALL BE PROTECTED USING HAY BALE PIT SURROUNDS WHICH SHALL BE MAINTAINED IN PLACE UNTIL CONSTRUCTION OF LINTEL/GRATE COMMENCES.

6. FOLLOWING COMPLETION OF LINTEL/GRATE, GULLY PITS ARE TO BE PROTECTED USING MESH & GRAVEL INLET FILTER, WHICH SHALL BE MAINTAINED IN PLACE UNTIL ALL UPSTREAM WORKS ARE COMPLETED AND ESTABLISHED.

7. ALL BATTERS & REINSTATEMENT WORKS ADJACENT NEW CONSTRUCTION WORKS SHALL BE CARRIED OUT AS SOON AS POSSIBLE AFTER COMPLETION.

8. ALL DISTURBED AREAS & BATTERS SHALL BE TURFED OR GRASSED AS SOON AS PRACTICAL AFTER REINSTATEMENT. PROVIDE HAY BALE BARRIERS ADJACENT THE OUTLET OF ALL STORMWATER DRAINS FOR THE DURATION OF CONSTRUCTION AND ESTABLISHMENT.

10. ALL DEVICES SHALL BE INSPECTED REGULARLY AND AFTER ALL SIGNIFICANT STORM EVENTS & CLEANED REPAIRED OR REPLACED, AS REQUIRED.

11. SAFETY ISSUES MUST BE CONSIDERED AT ALL TIMES. INCORPORATE TRAFFIC CONTROL DEVICES WHERE REQUIRED.

TAKEN FROM C211

1. THE CONSTRUCTOR SHALL ENSURE THAT EFFECTIVE EROSION AND SEDIMENTATION CONTROL IS PROVIDED AT ALL TIMES DURING THE CONSTRUCTION WORKS AND UNTIL ALL DISTURBED SURFACES ARE FULLY RESTORED OR REVEGETATED TO THE SATISFACTION OF THE PROJECT MANAGER.

2. RUNOFF FROM ALL AREAS WHERE THE NATURAL SURFACE IS DISTURBED BY CONSTRUCTION, INCLUDING ACCESS ROADS, DEPOT AND STOCKPILE SITES, SHALL BE FREE OF POLLUTANTS. THE CONSTRUCTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES REQUIRED FOR THIS PURPOSE.

3. THE CONSTRUCTOR SHALL PROVIDE AND MAINTAIN SLOPES, CROWNS AND DRAINS ON ALL EXCAVATIONS AND EMBANKMENTS TO ENSURE SATISFACTORY DRAINAGE AT ALL TIMES. WATER SHALL NOT BE ALLOWED TO POND ON THE WORKS UNLESS SUCH PONDING IS PART OF AN APPROVED EROSION AND SEDIMENTATION CONTROL PLAN.

MAINTENANCE AND INSPECTION

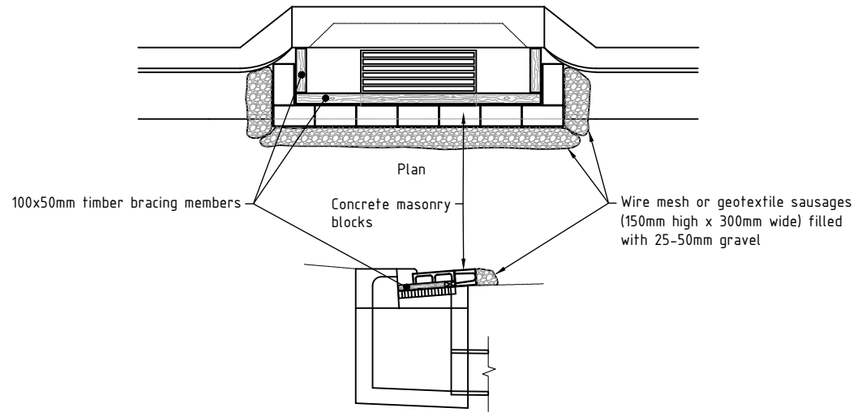
1. THE CONSTRUCTOR SHALL BE RESPONSIBLE FOR OPERATION, MONITORING, CLEANING OUT, MAINTENANCE, REPAIR AND RECTIFICATION OF EROSION AND SEDIMENT CONTROL WORK, AS SPECIFIED IN THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN.

REMOVAL

1. ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL WORKS SHALL BE REMOVED BY THE CONSTRUCTOR WHEN RE-VEGETATION IS ESTABLISHED ON FORMERLY EXPOSED AREAS BEFORE THE END OF THE SUBDIVISION WORKS. ALL MATERIALS USED FOR THE TEMPORARY EROSION AND SEDIMENTATION CONTROL WORKS SHALL BE REMOVED FROM THE SITE.

EROSION SEDIMENTATION

1. ADEQUATE MEASURES SHALL BE TAKEN TO PREVENT EROSION AND TO RETAIN SILTATION WITHIN THE SCOPE OF THE WORKS. REFER TO THE RELEVANT PARAGRAPH IN THE NOTES AND/OR TO THE EROSION AND SEDIMENTATION CONTROL PLAN WITHIN THE DRAWING SET.



Typical Detail-Mesh & Gravel Inlet filter

Not to scale

Symbol: MGIF

CONSTRUCTION
FOR CONSTRUCTION

Issue	Amendment details	Drawn	Check	Date
1	Construction issue	A.D.	J.F.	13.04.23

Use figured dimensions only. Do not scale.

Infrastructure Services
Council offices
70-90 Station Street,
Mullumbimby NSW 2482.
Phone 02 66267000
Fax 02 66843018
Website www.byron.nsw.gov.au

BYRON SHIRE COUNCIL

Approved on behalf of the General Manager

..... Date .....

Designed	A.D.	03.03.23
Drawn	A.D.	03.03.23
Checked	J.F.	03.03.23
Horizontal datum		MGA1994
Vertical datum		AHD

Project: **Street Upgrade Wordsworth Street, Byron Bay**

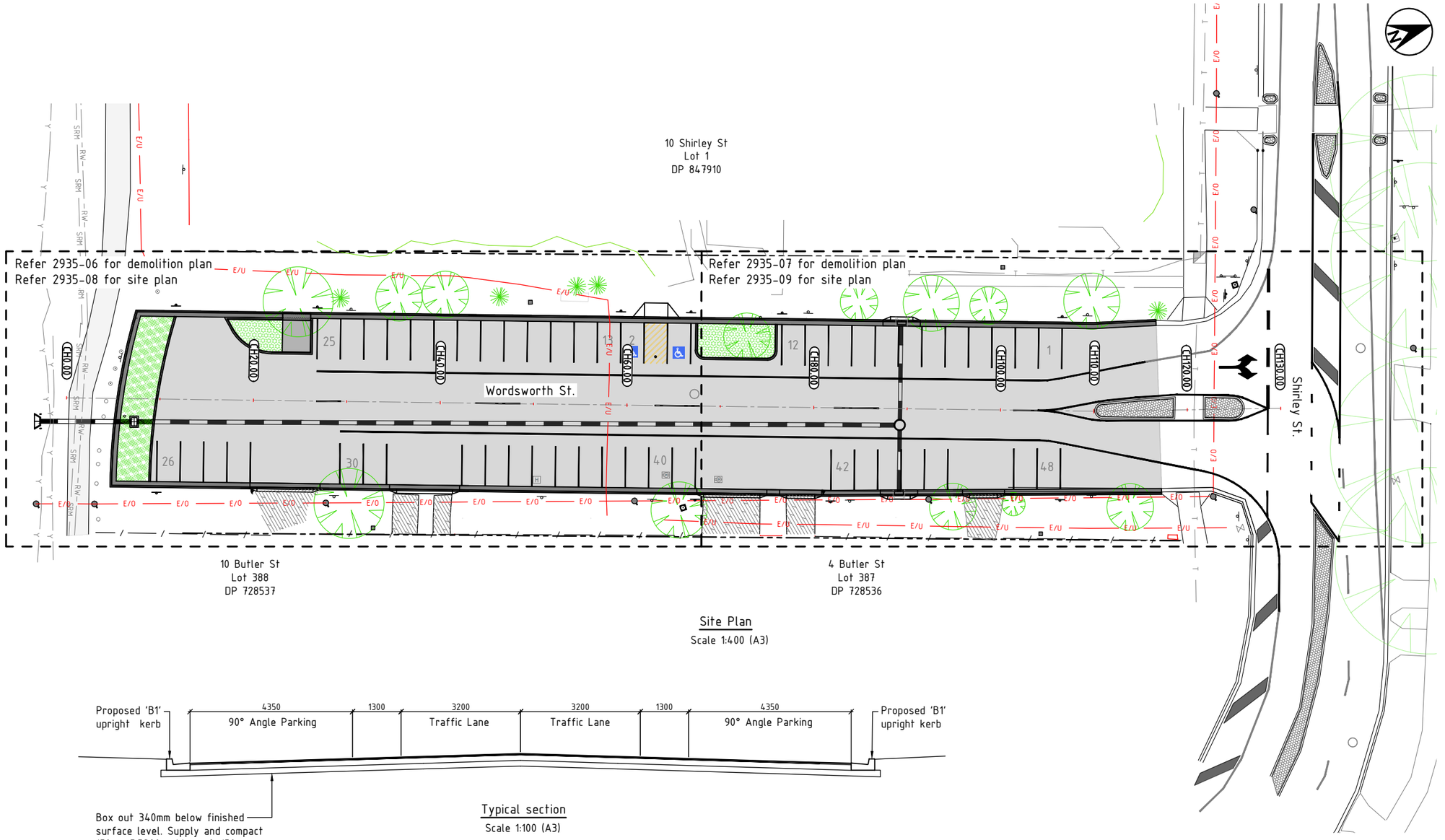
Project number: **2935**

Plan title: **Erosion & Sediment Control Notes**

Drawing number: **2935-04**

Issue: **1**

ACAD FILE No: G:\Engineer\CAD\2900-2999\2935 Wordsworth Street, Byron Bay\Civil Design\DWG\CONSTRUCTION\2935 Wordsworth Base-IFC.dwg



Site Plan
Scale 1:400 (A3)

Typical section
Scale 1:100 (A3)

CONSTRUCTION
FOR CONSTRUCTION

Issue	Amendment details	Drawn	Check	Date
1	Construction issue	A.D.	J.F.	13.14.23

SCALE: A1 SHEET 1:50, A3 SHEET 1:100
0 0.5 1 2 3 4 5 m
SCALE: A1 SHEET 1:200, A3 SHEET 1:400
0 2 4 8 12 16 20 m
Use figured dimensions only. Do not scale.

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Drawn	A.D.	03.03.23
Checked	J.F.	03.03.23
Horizontal datum		MGA1994
Vertical datum		AHD

Project: Street Upgrade Wordsworth Street, Byron Bay

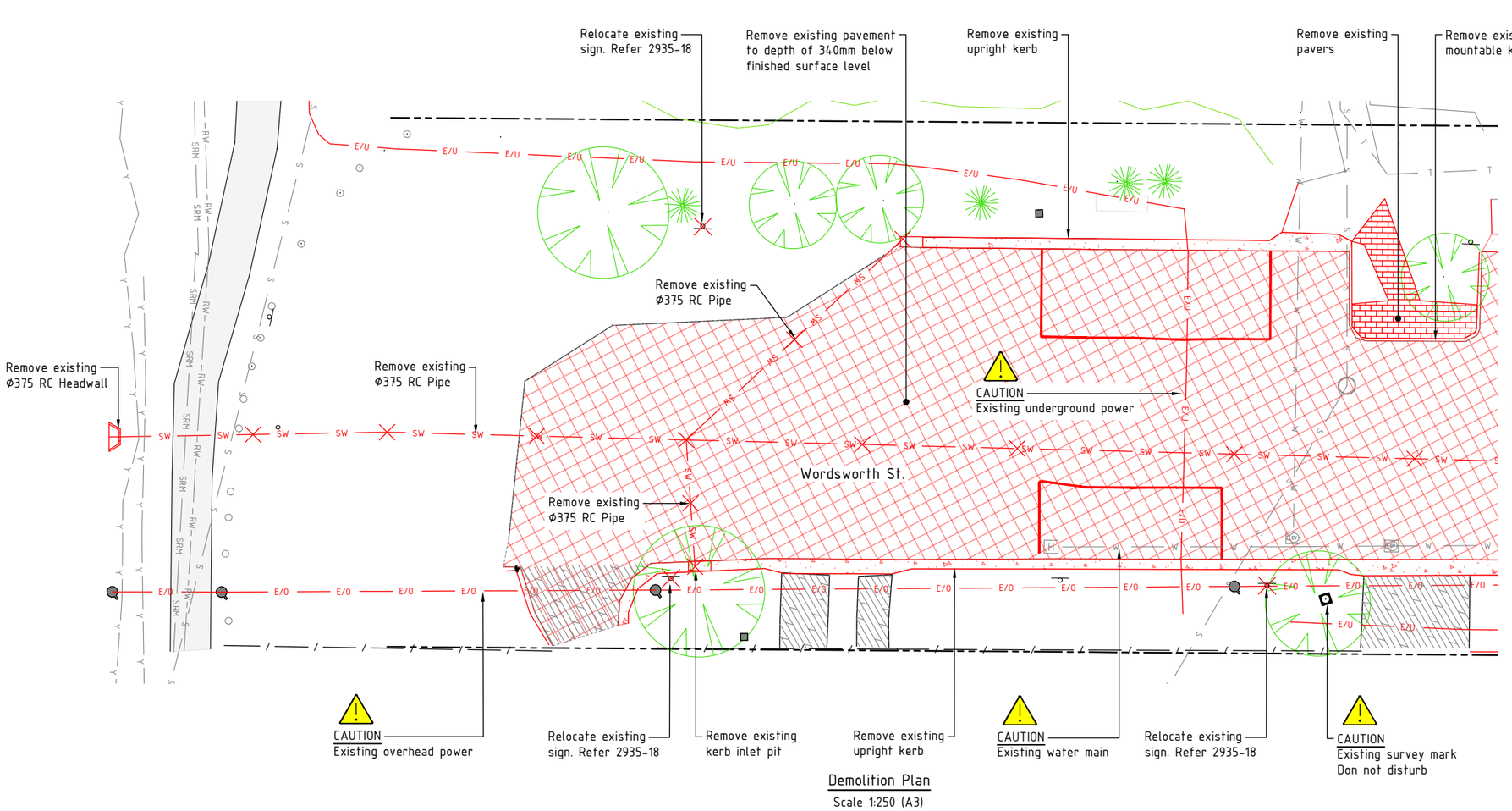
Project number: 2935

Plan title: Key Plan & Typical Section

Drawing number: 2935-05

Issue: 1

ACAD FILE No: G:\Engineer\CAD\2900-2999\2935 Wordsworth Street, Byron Bay\Civil Design\DWG\CONSTRUCTION\2935 Wordsworth Base-IFC.dwg



Demolition Plan

Scale 1:250 (A3)

Legend

- Existing property boundary
- Existing storm water pipe to be removed
- Existing comms line to remain
- Existing water main to remain
- Existing recycled water main to remain
- Existing sewer rising main to remain
- Existing sewer main to remain
- Existing underground power
- Existing overhead power
- Existing road pavement to be removed
- Existing upright kerb to be removed
- Existing tree to remain
- Existing tree to be removed
- Existing sign
- Existing sign to be relocated
- Existing pavers to be removed
- Existing power/light pole
- Existing maintenance pit
- Existing valve
- Existing hydrant
- Existing comms pit

CONSTRUCTION
FOR CONSTRUCTION

Issue	Amendment details	Drawn	Check	Date
1	Construction issue	A.D.	J.F.	13.04.23

SCALE: A1 SHEET 1:125, A3 SHEET 1:250
0 2.5 5 7.5 10 12.5m

Use figured dimensions only. Do not scale.

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Vertical datum		AHD

Project: **Street Upgrade Wordsworth Street, Byron Bay**

Project number: **2935**

Plan title: **Demolition Plan Sheet 1 of 2**

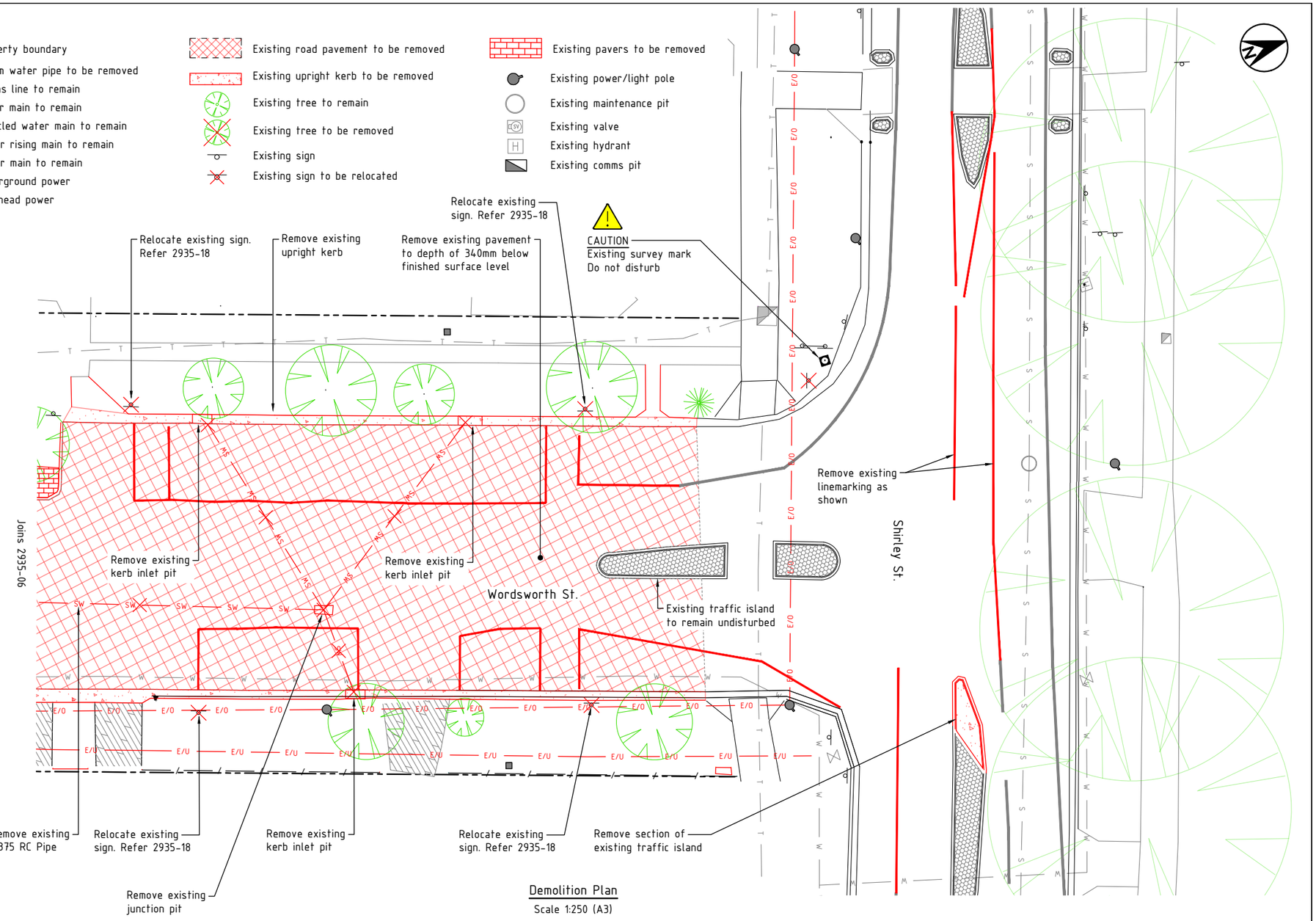
Drawing number: **2935-06**

Issue: **1**

ACAD FILE No: G:\Engineer\CAD\2900-2999\2935 Wordsworth Street, Byron Bay\Civil Design\DWG\CONSTRUCTION\2935 Wordsworth Base-IFC.dwg

Legend

- Existing property boundary
- SW — Existing storm water pipe to be removed
- T — Existing comms line to remain
- W — Existing water main to remain
- RW — Existing recycled water main to remain
- SRM — Existing sewer rising main to remain
- S — Existing sewer main to remain
- E/U — Existing underground power
- E/O — Existing overhead power
- Existing road pavement to be removed
- Existing upright kerb to be removed
- Existing tree to remain
- Existing tree to be removed
- Existing sign
- Existing sign to be relocated
- Existing pavers to be removed
- Existing power/light pole
- Existing maintenance pit
- Existing valve
- Existing hydrant
- Existing comms pit



Demolition Plan

Scale 1:250 (A3)

CONSTRUCTION
FOR CONSTRUCTION

Issue	Amendment details	Drawn	Check	Date
1	Construction issue	A.D.	J.F.	13.04.23

SCALE: A1 SHEET 1:125, A3 SHEET 1:250

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Use figured dimensions only. Do not scale.

ACAD FILE No: G:\Engineer\CAD\2900-2999\2935 Wordsworth Street, Byron Bay\Civil Design\DWG\CONSTRUCTION\2935 Wordsworth Base-IFC.dwg

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Horizontal datum		MGA1994
Vertical datum		AHD

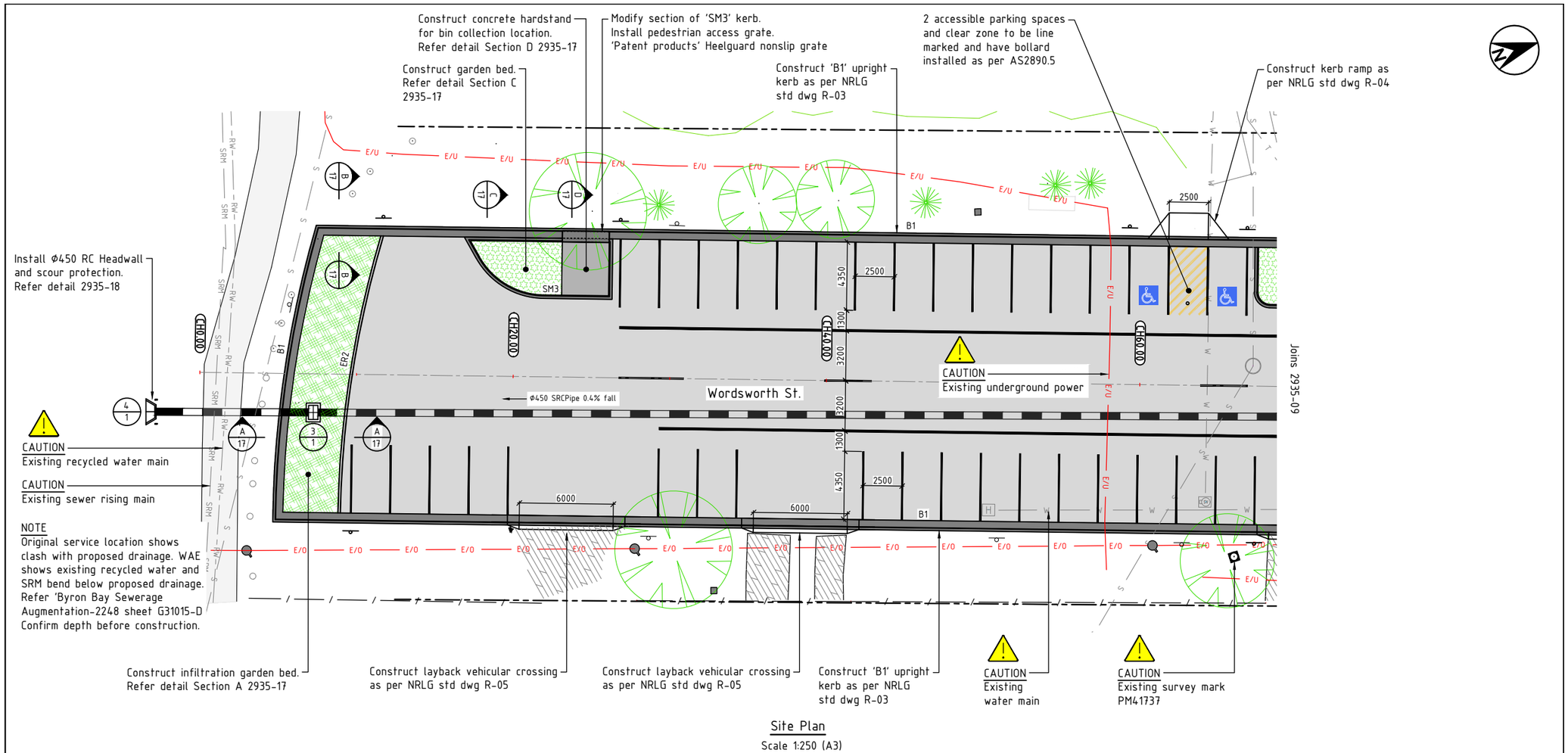
Project: Street Upgrade Wordsworth Street, Byron Bay

Project number: 2935

Plan title: Demolition Plan Sheet 2 of 2

Drawing number: 2935-07

Issue: 1



CONSTRUCTION
FOR CONSTRUCTION

Issue	Amendment details	Drawn	Check	Date
1	Construction issue	A.D.	J.F.	13.04.23

SCALE: A1 SHEET 1:125, A3 SHEET 1:250
0 2.5 5 7.5 10 12.5m

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BYRON SHIRE COUNCIL

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Checked	J.F.	03.03.23
Horizontal datum		MGA
Vertical datum		AHD

Project: **Street Upgrade Wordsworth Street, Byron Bay**

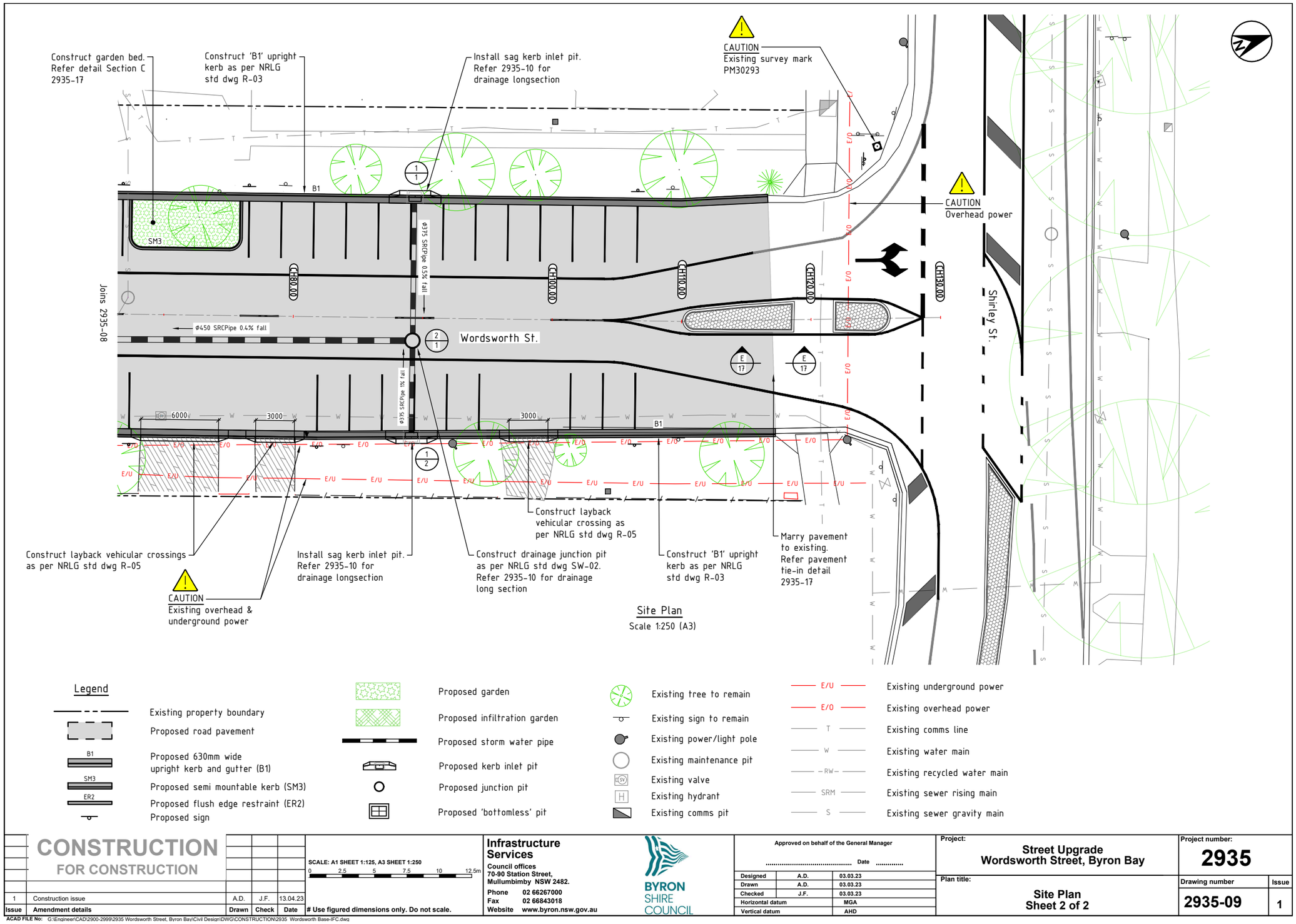
Project number: **2935**

Plan title: **Site Plan Sheet 1 of 2**

Drawing number: **2935-08**

Issue: **1**

ACAD FILE No: G:\Engineer\CAD\2900-2999\2935 Wordsworth Street, Byron Bay\Civil Design\DWG\CONSTRUCTION\2935 Wordsworth Base-IFC.dwg



CONSTRUCTION
FOR CONSTRUCTION

Issue	Amendment details	Drawn	Check	Date
1	Construction issue	A.D.	J.F.	13.04.23

SCALE: A1 SHEET 1:125, A3 SHEET 1:250
0 2.5 5 7.5 10 12.5m

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Checked	J.F.	03.03.23
Horizontal datum		MGA
Vertical datum		AHD

Project: Street Upgrade Wordsworth Street, Byron Bay

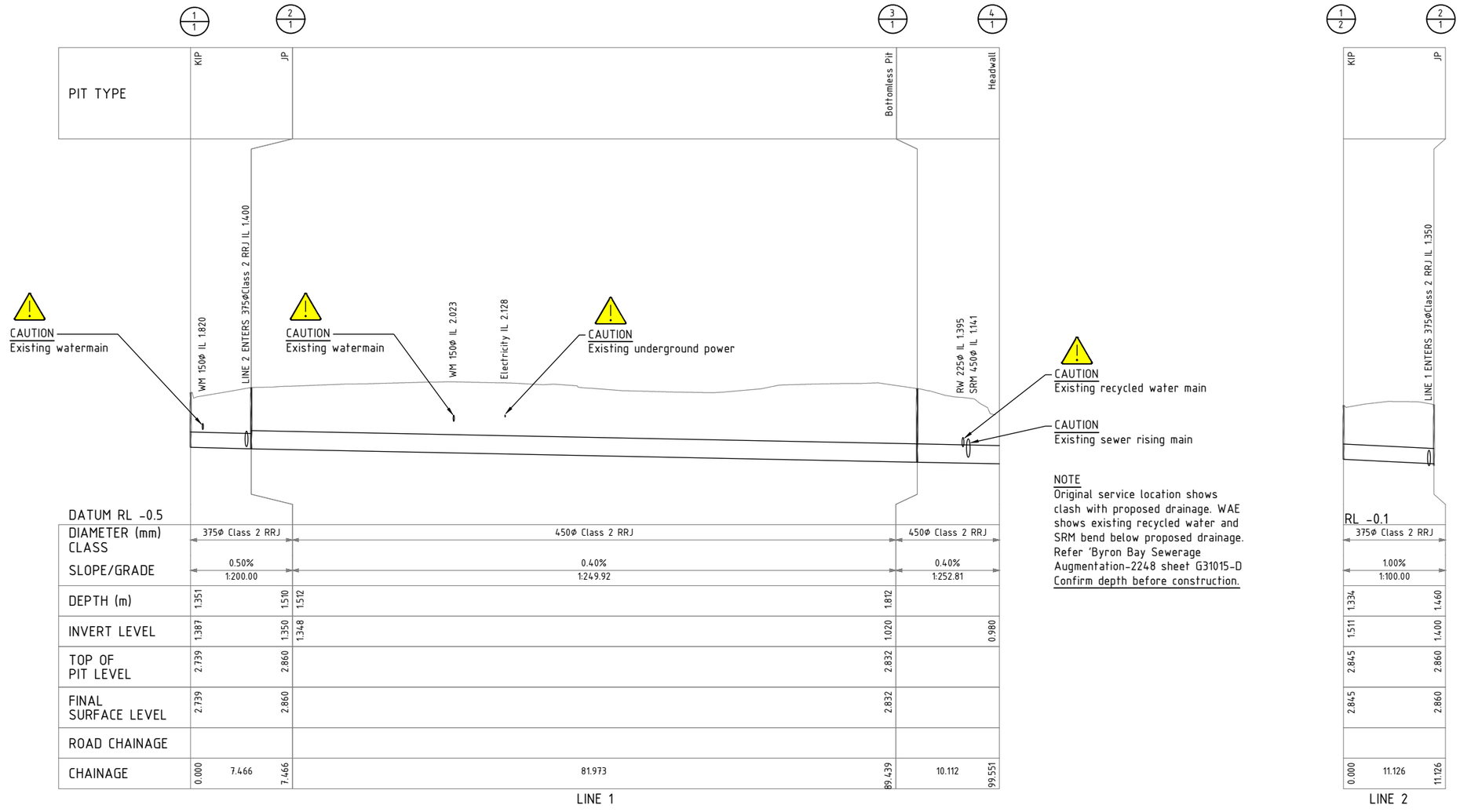
Project number: 2935

Plan title: Site Plan Sheet 2 of 2

Drawing number: 2935-09

Issue: 1

ACAD FILE No: G:\Engineer\CAD\2900-2999\2935 Wordsworth Street, Byron Bay\Civil Design\DWG\CONSTRUCTION\2935 Wordsworth Base-IFC.dwg



Drainage Longsection

Scale V-1:100 H-1:500 (A3)

CONSTRUCTION

FOR CONSTRUCTION

Issue	Amendment details	Drawn	Check	Date
1	Construction issue	A.D.	J.F.	13.04.23

SCALE: A1 SHEET 1:50, A3 SHEET 1:100

0 0.5 1 2 3 4 5 m

SCALE: A1 SHEET 1:250, A3 SHEET 1:500

0 2.5 5 10 15 20 25 m

Use figured dimensions only. Do not scale.

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Fax 02 66843018
Website www.byron.nsw.gov.au

BYRON SHIRE COUNCIL

Approved on behalf of the General Manager

..... Date .....

Designed	A.D.	03.03.23
Drawn	A.D.	03.03.23
Checked	J.F.	03.03.23
Horizontal datum		MGA
Vertical datum		AHD

Project: **Street Upgrade Wordsworth Street, Byron Bay**

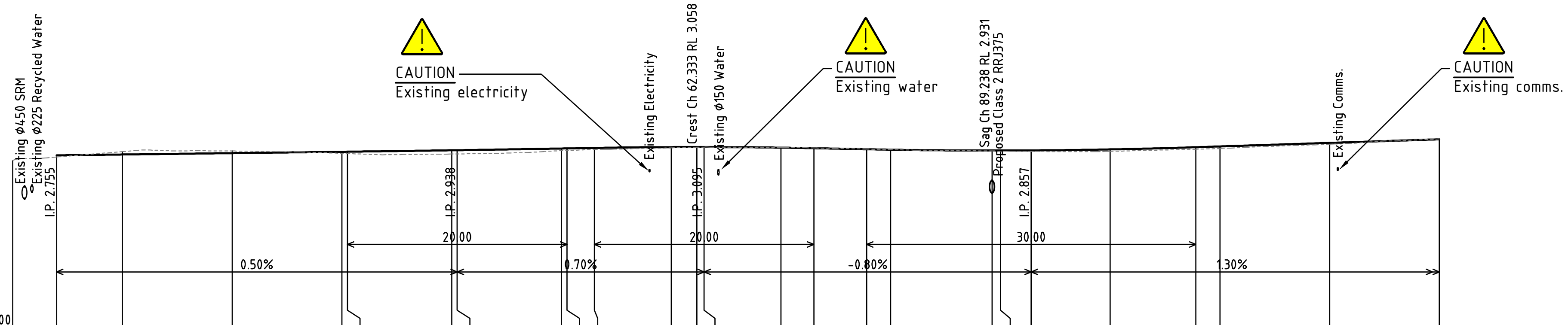
Project number: **2935**

Plan title: **Drainage Longsection**

Drawing number: **2935-10**

Issue: **1**

ACAD FILE No: G:\Engineer\CAD\2900-2999\2935 Wordsworth Street, Byron Bay\Civil Design\DWG\CONSTRUCTION\2935 Wordsworth Base-IFC.dwg



Cut Fill		+0.061	-0.105	-0.078	+0.058	+0.068	+0.136	+0.137	+0.081	+0.077	+0.058	+0.028	+0.009
Design Levels		2.755	2.785	2.835	2.885	2.888	2.940	2.943	3.004	3.008	3.025	3.056	3.058
Existing Levels	2.571	2.694	2.890	2.913	2.827	2.820	2.804	2.806	2.923	2.931	2.967	3.028	3.049
Chainage	0.000	4.000	10.000	20.000	30.000	30.500	40.000	40.500	50.000	50.500	53.000	60.000	62.333

Cut Fill	+0.002	+0.000	-0.010	-0.006	-0.002	+0.016	+0.019	+0.037	+0.070	+0.073	+0.079	+0.050	-0.014
Design Levels	3.057	3.036	3.015	2.977	2.961	2.931	2.931	2.935	2.971	3.052	3.080	3.210	3.340
Existing Levels	3.055	3.036	3.025	2.983	2.963	2.915	2.912	2.898	2.901	2.979	3.001	3.160	3.354
Chainage	63.000	70.000	73.000	77.810	80.000	89.238	90.000	92.810	100.000	107.810	110.000	120.000	130.000

Centreline Longsection

Scale V-1:200 H-1:500 (A3)

CONSTRUCTION
FOR CONSTRUCTION

Issue	Amendment details	Drawn	Check	Date
1	Construction issue	A.D.	J.F.	13.04.23

SCALE: A1 SHEET 1:100, A3 SHEET 1:200 — 0 1 2 4 6 8 10 m

SCALE: A1 SHEET 1:250, A3 SHEET 1:500 — 0 2.5 5 10 15 20 25 m

Use figured dimensions only. Do not scale.

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BYRON SHIRE COUNCIL

Approved on behalf of the General Manager

.... Date ....

Designed	A.D.	03.03.23
Drawn	A.D.	03.03.23
Checked	J.F.	03.03.23
Horizontal datum		MGA
Vertical datum		AHD

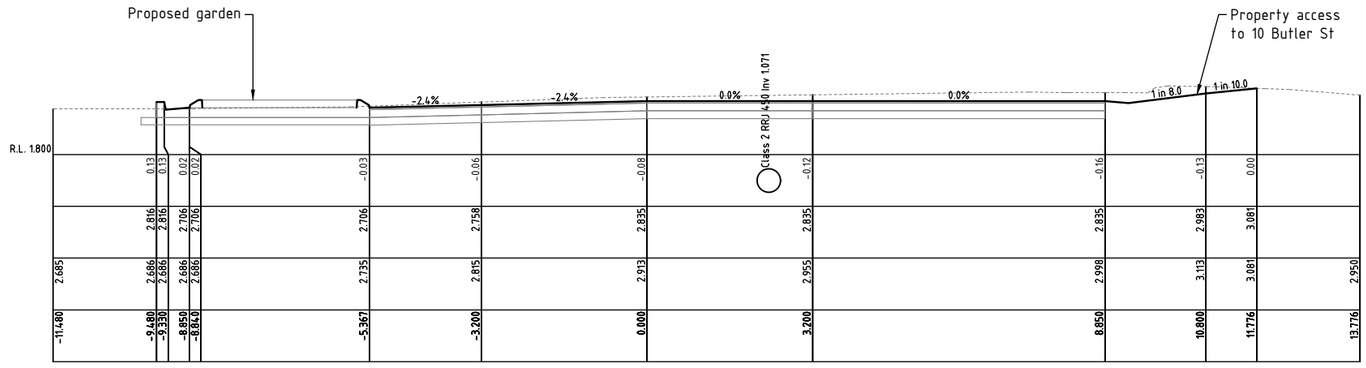
Project: Street Upgrade Wordsworth Street, Byron Bay

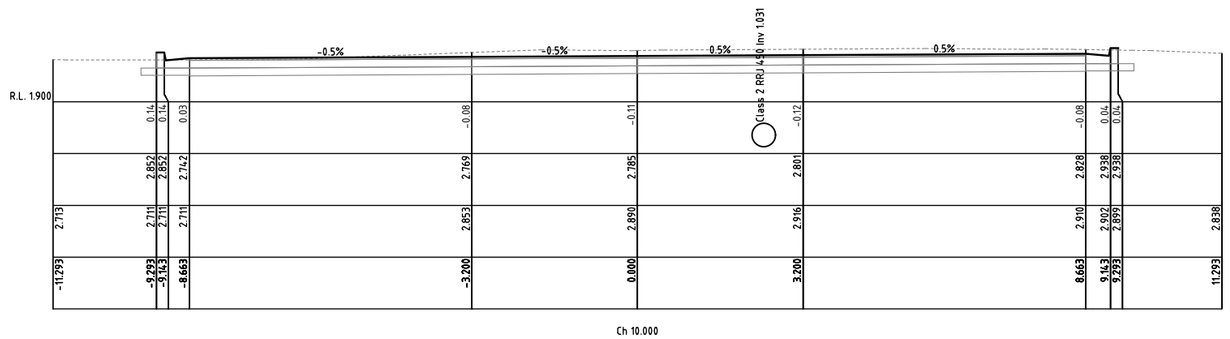
Project number: 2935

Plan title: Road CL Longsection

Drawing number: 2935-11 — Issue: 1

ACAD FILE No: G:\Engineer\CAD\2900-2999\2935 Wordsworth Street, Byron Bay\Civil Design\DWG\CONSTRUCTION\2935_Wordsworth Base-IFC.dwg





Centreline Cross sections

Scale V-1:100 H-1:100 (A3)

CONSTRUCTION
FOR CONSTRUCTION

Issue	Amendment details	Drawn	Check	Date
1	Construction issue	A.D.	J.F.	13.04.23

SCALE: A1 SHEET 1:50, A3 SHEET 1:100

0 0.5 1 2 3 4 5 m

Use figured dimensions only. Do not scale.

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BYRON SHIRE COUNCIL

Approved on behalf of the General Manager

..... Date .....

Designed	A.D.	03.03.23
Drawn	A.D.	03.03.23
Checked	J.F.	03.03.23
Horizontal datum		MGA
Vertical datum		AHD

Project: Street Upgrade Wordsworth Street, Byron Bay

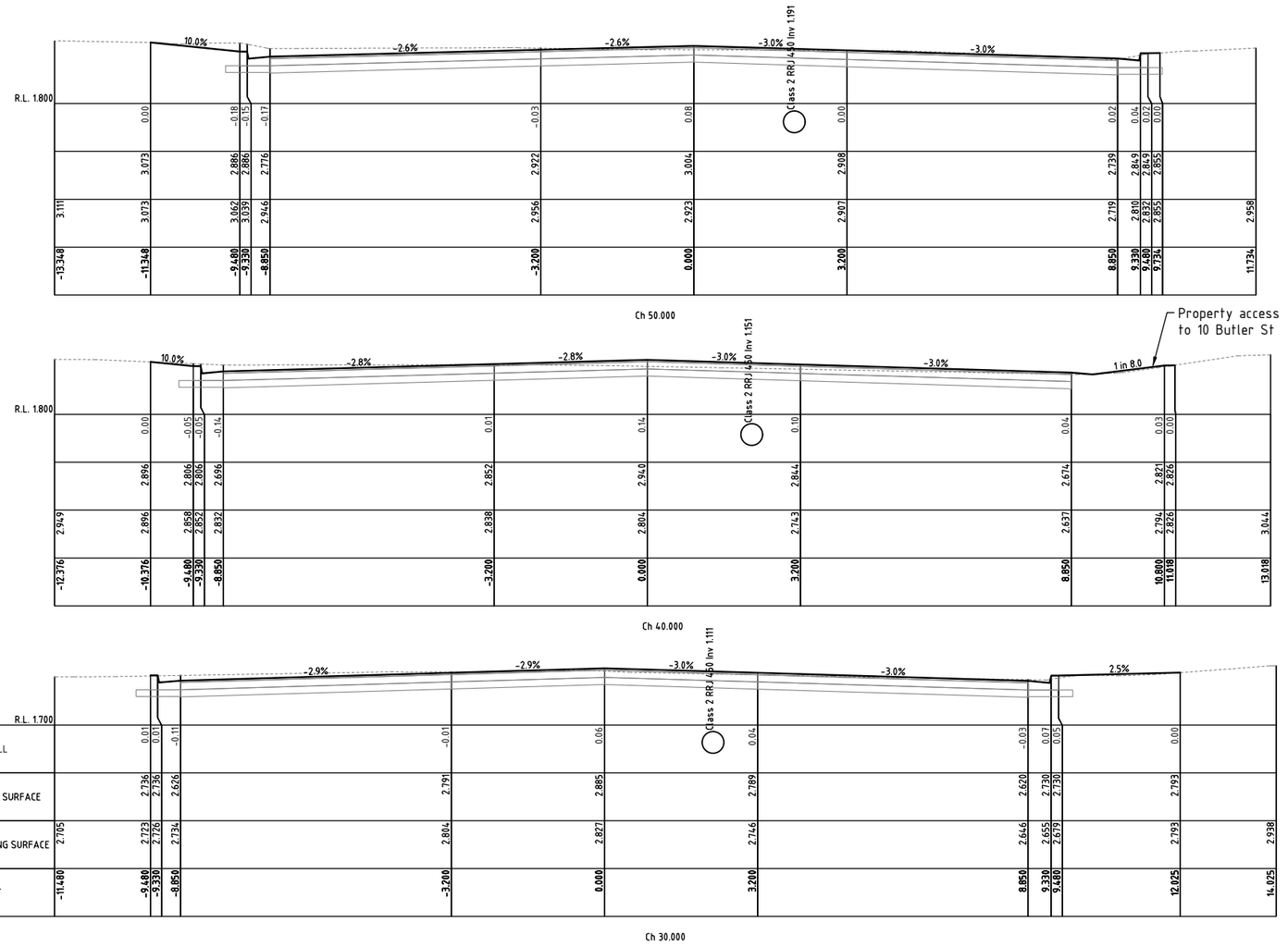
Plan title: Road CL Cross sections Sheet 1 of 5

Project number: 2935

Drawing number 2935-12

Issue 1

ACAD FILE No: G:\Engineer\CAD\2900-2999\2935 Wordsworth Street, Byron Bay\Civil Design\DWG\CONSTRUCTION\2935 Wordsworth Base-IFC.dwg



Centreline Cross sections

Scale V-1:100 H-1:100 (A3)

CONSTRUCTION

FOR CONSTRUCTION

Issue	Amendment details	Drawn	Check	Date
1	Construction issue	A.D.	J.F.	13.04.23

SCALE: A1 SHEET 1:50, A3 SHEET 1:100

0 0.5 1 2 3 4 5 m

Use figured dimensions only. Do not scale.

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BYRON SHIRE COUNCIL

Approved on behalf of the General Manager

..... Date .....

Designed	A.D.	03.03.23
Drawn	A.D.	03.03.23
Checked	J.F.	03.03.23
Horizontal datum		MGA
Vertical datum		AHD

Project: **Street Upgrade Wordsworth Street, Byron Bay**

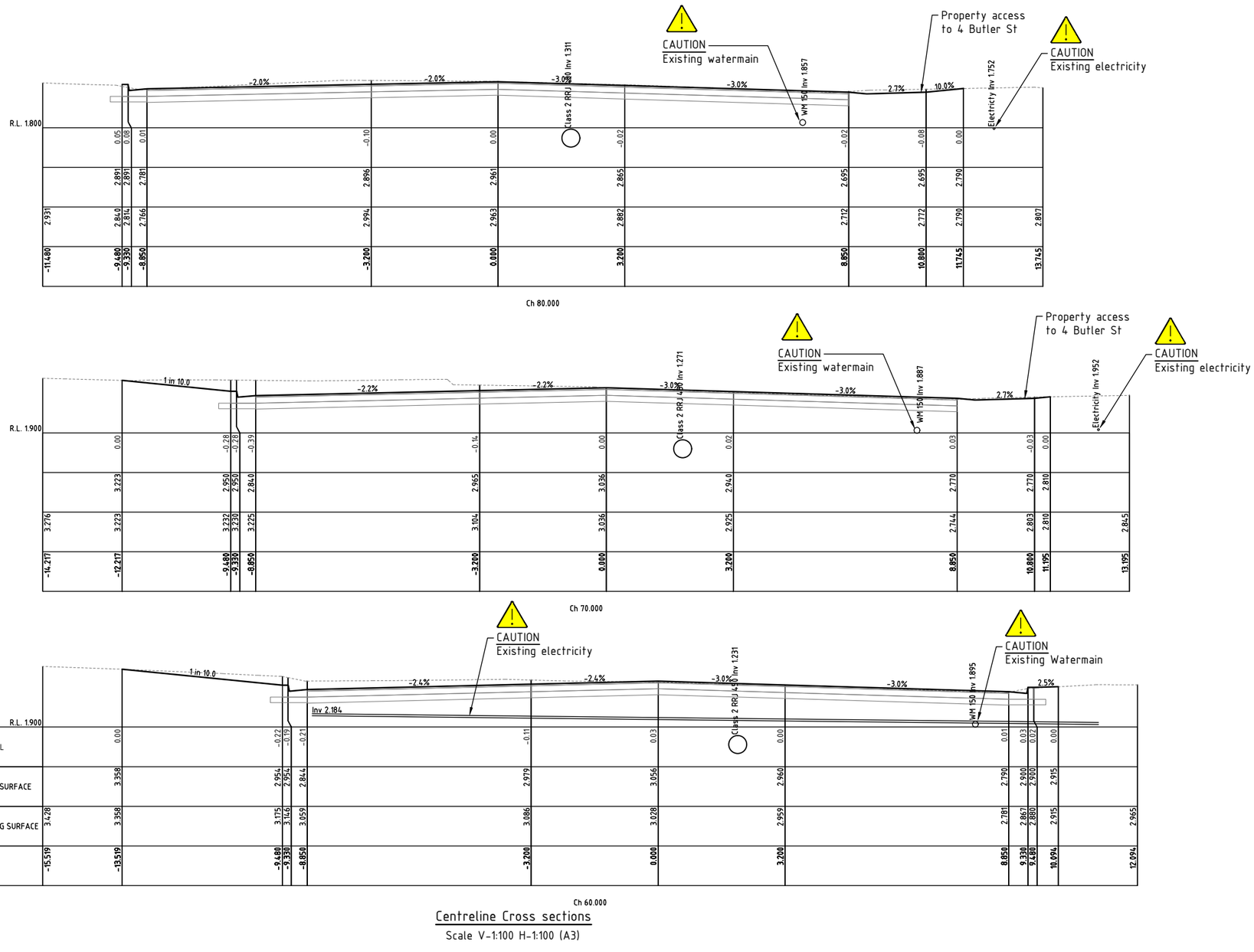
Project number: **2935**

Plan title: **Road CL Cross sections Sheet 2 of 5**

Drawing number: **2935-13**

Issue: **1**

ACAD FILE No: G:\Engineer\CAD\2900-2999\2935 Wordsworth Street, Byron Bay\Civil Design\DWG\CONSTRUCTION\2935 Wordsworth Base-IFC.dwg



Centreline Cross sections

Scale V-1:100 H-1:100 (A3)

CONSTRUCTION
FOR CONSTRUCTION

SCALE: A1 SHEET 1:50, A3 SHEET 1:100
0 0.5 1 2 3 4 5 m

Issue	Amendment details	Drawn	Check	Date
1	Construction issue	A.D.	J.F.	13.04.23

Use figured dimensions only. Do not scale.

ACAD FILE No: G:\Engineer\CAD\2900-2999\2935 Wordsworth Street, Byron Bay\Civil Design\DWG\CONSTRUCTION\2935 Wordsworth Base-IFC.dwg

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BYRON SHIRE COUNCIL

Approved on behalf of the General Manager

..... Date .....

Designed	A.D.	03.03.23
Drawn	A.D.	03.03.23
Checked	J.F.	03.03.23
Horizontal datum		MGA
Vertical datum		AHD

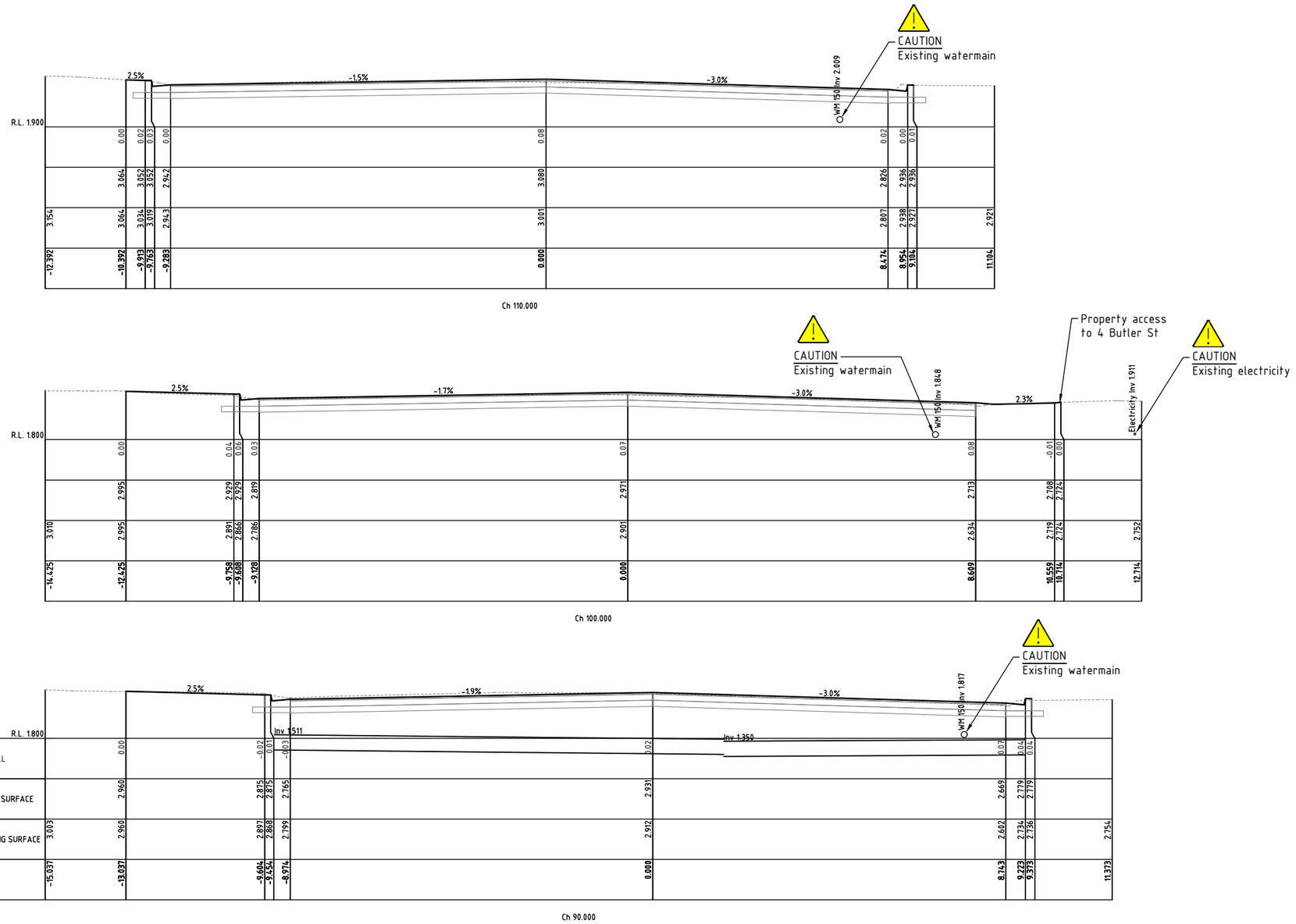
Project: **Street Upgrade Wordsworth Street, Byron Bay**

Project number: **2935**

Plan title: **Road CL Cross sections Sheet 3 of 5**

Drawing number: **2935-14**

Issue: **1**



Centreline Cross sections

Scale V-1:100 H-1:100 (A3)

CONSTRUCTION
FOR CONSTRUCTION

Issue	Amendment details	Drawn	Check	Date
1	Construction issue	A.D.	J.F.	13.04.23

SCALE: A1 SHEET 1:50, A3 SHEET 1:100
0 0.5 1 2 3 4 5 m

 # Use figured dimensions only. Do not scale.

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BYRON SHIRE COUNCIL

Approved on behalf of the General Manager
..... Date .....

Designed	A.D.	03.03.23
Drawn	A.D.	03.03.23
Checked	J.F.	03.03.23
Horizontal datum		MGA
Vertical datum		AHD

Project: **Street Upgrade Wordsworth Street, Byron Bay**

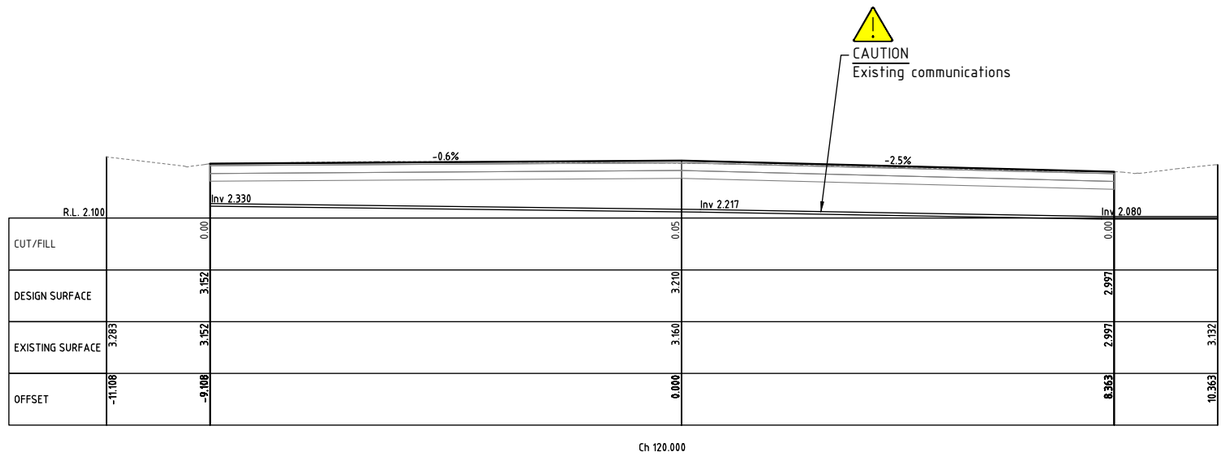
Project number: **2935**

Plan title: **Road CL Cross sections Sheet 4 of 5**

Drawing number: **2935-15**

Issue: **1**

ACAD FILE No: G:\Engineer\CAD\2900-2999\2935 Wordsworth Street, Byron Bay\Civil Design\DWG\CONSTRUCTION\2935 Wordsworth Base-IFC.dwg



Centreline Cross sections

Scale V-1:100 H-1:100 (A3)

CONSTRUCTION
FOR CONSTRUCTION

Issue	Amendment details	Drawn	Check	Date
1	Construction issue	A.D.	J.F.	13.04.23

SCALE: A1 SHEET 1:50, A3 SHEET 1:100
0 0.5 1 2 3 4 5 m

Use figured dimensions only. Do not scale.

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BYRON SHIRE COUNCIL

Approved on behalf of the General Manager

..... Date .....

Designed	A.D.	03.03.23
Drawn	A.D.	03.03.23
Checked	J.F.	03.03.23
Horizontal datum		MGA
Vertical datum		AHD

Project: **Street Upgrade Wordsworth Street, Byron Bay**

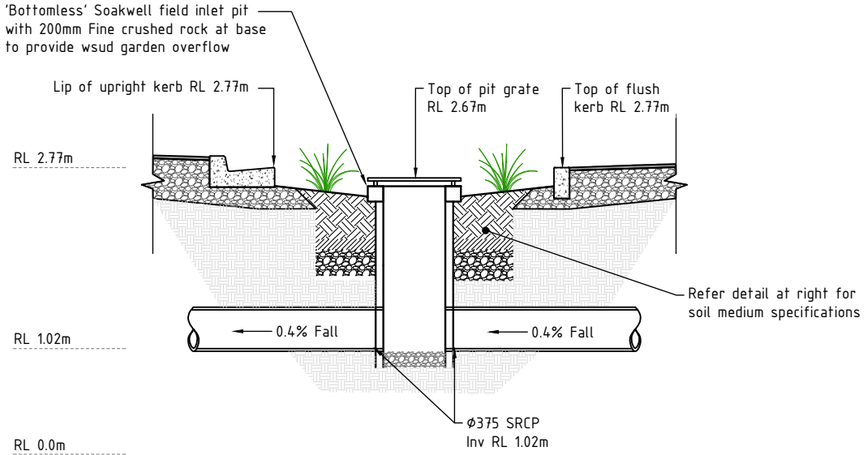
Project number: **2935**

Plan title: **Road CL Cross sections Sheet 5 of 5**

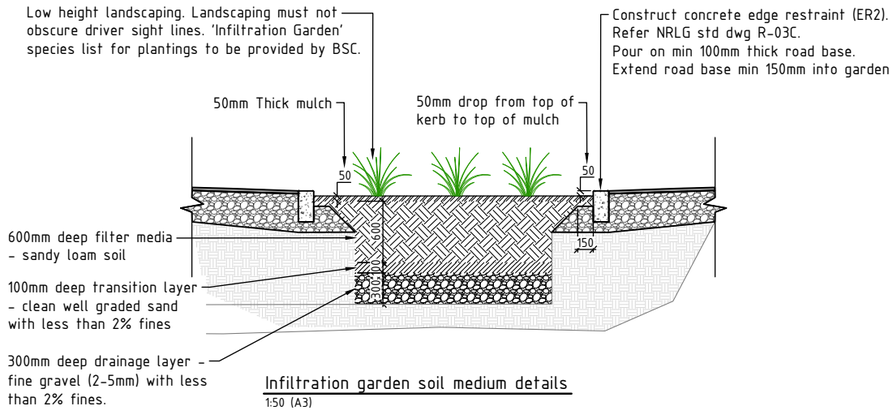
Drawing number: **2935-16**

Issue: **1**

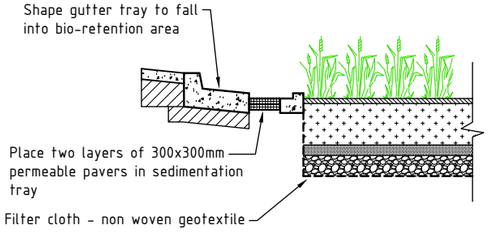
ACAD FILE No: G:\Engineer\CAD\2900-2999\2935 Wordsworth Street, Byron Bay\Civil Design\DWG\CONSTRUCTION\2935 Wordsworth Base-IFC.dwg



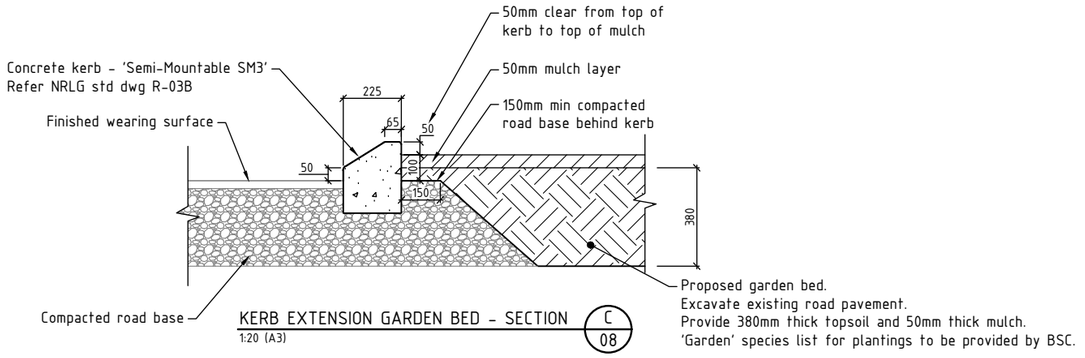
WSUD garden pit overflow detail
1:50 (A3) — A 08



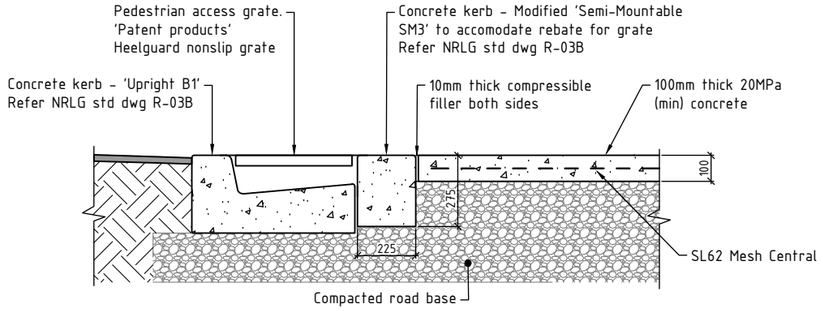
Infiltration garden soil medium details
1:50 (A3)



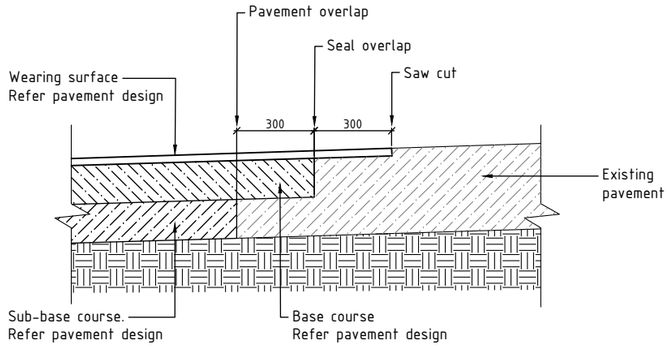
Upright kerb and gutter discharge to Infiltration garden detail
1:50 (A3) — B 08



KERB EXTENSION GARDEN BED - SECTION
1:20 (A3) — C 08



Concrete hardstand area detail
1:20 (A3) — D 08



PAVEMENT TIE-IN DETAIL - SECTION
1:20 (A3) — E 09

CONSTRUCTION
FOR CONSTRUCTION

Issue	Amendment details	Drawn	Check	Date
1	Construction issue	A.D.	J.F.	13.04.23

SCALE: A1 SHEET 1:10, A3 SHEET 1:20
0 0.1 0.2 0.4 0.6 0.8 1 m
SCALE: A1 SHEET 1:25, A3 SHEET 1:50
0 0.5 1 1.5 2 2.5m
Use figured dimensions only. Do not scale.

Infrastructure Services
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BYRON SHIRE COUNCIL

Approved on behalf of the General Manager
..... Date .....

Designed	A.D.	03.03.23
Drawn	A.D.	03.03.23
Checked	J.F.	03.03.23
Horizontal datum		MGA
Vertical datum		AHD

Project: **Street Upgrade Wordsworth Street, Byron Bay**

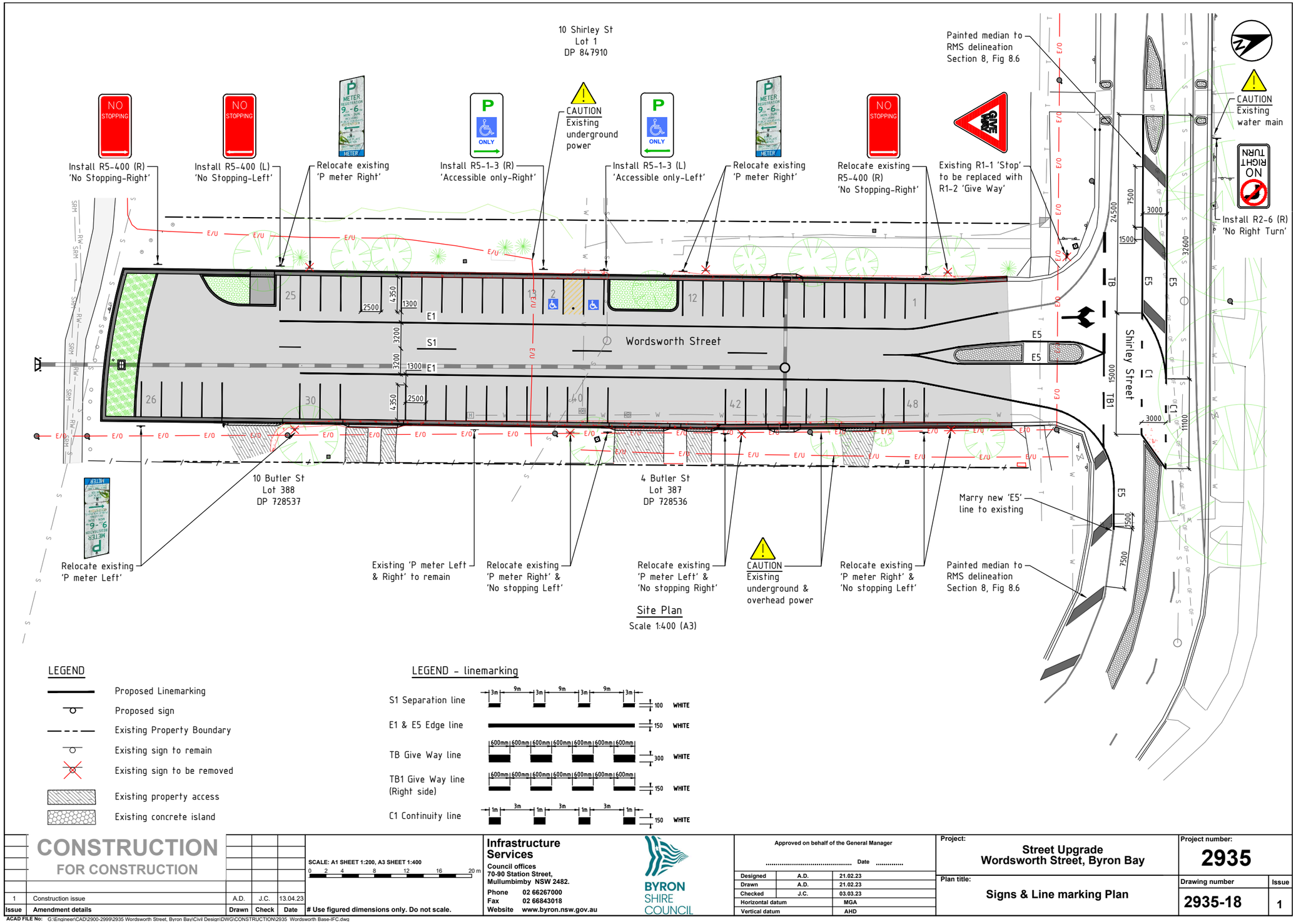
Project number: **2935**

Plan title: **General Details**

Drawing number: **2935-17**

Issue: **1**

ACAD FILE No: G:\Engineer\CAD\2900-2999\2935 Wordsworth Street, Byron Bay\Civil Design\DWG\CONSTRUCTION\2935 Wordsworth Base-IFC.dwg



CONSTRUCTION
FOR CONSTRUCTION

Issue	Amendment details	Drawn	Check	Date
1	Construction issue	A.D.	J.C.	13.04.23

SCALE: A1 SHEET 1:200, A3 SHEET 1:400
0 2 4 8 12 16 20 m
Use figured dimensions only. Do not scale.

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BYRON SHIRE COUNCIL

Approved on behalf of the General Manager
..... Date .....

Designed	A.D.	21.02.23
Drawn	A.D.	21.02.23
Checked	J.C.	03.03.23
Horizontal datum		MGA
Vertical datum		AHD

Project: Street Upgrade Wordsworth Street, Byron Bay

Project number: 2935

Plan title: Signs & Line marking Plan

Drawing number: 2935-18

Issue: 1

ACAD FILE No: G:\Engineer\CAD\2900-2999\2935 Wordsworth Street, Byron Bay\Civil Design\DWG\CONSTRUCTION\2935 Wordsworth Base-IFC.dwg