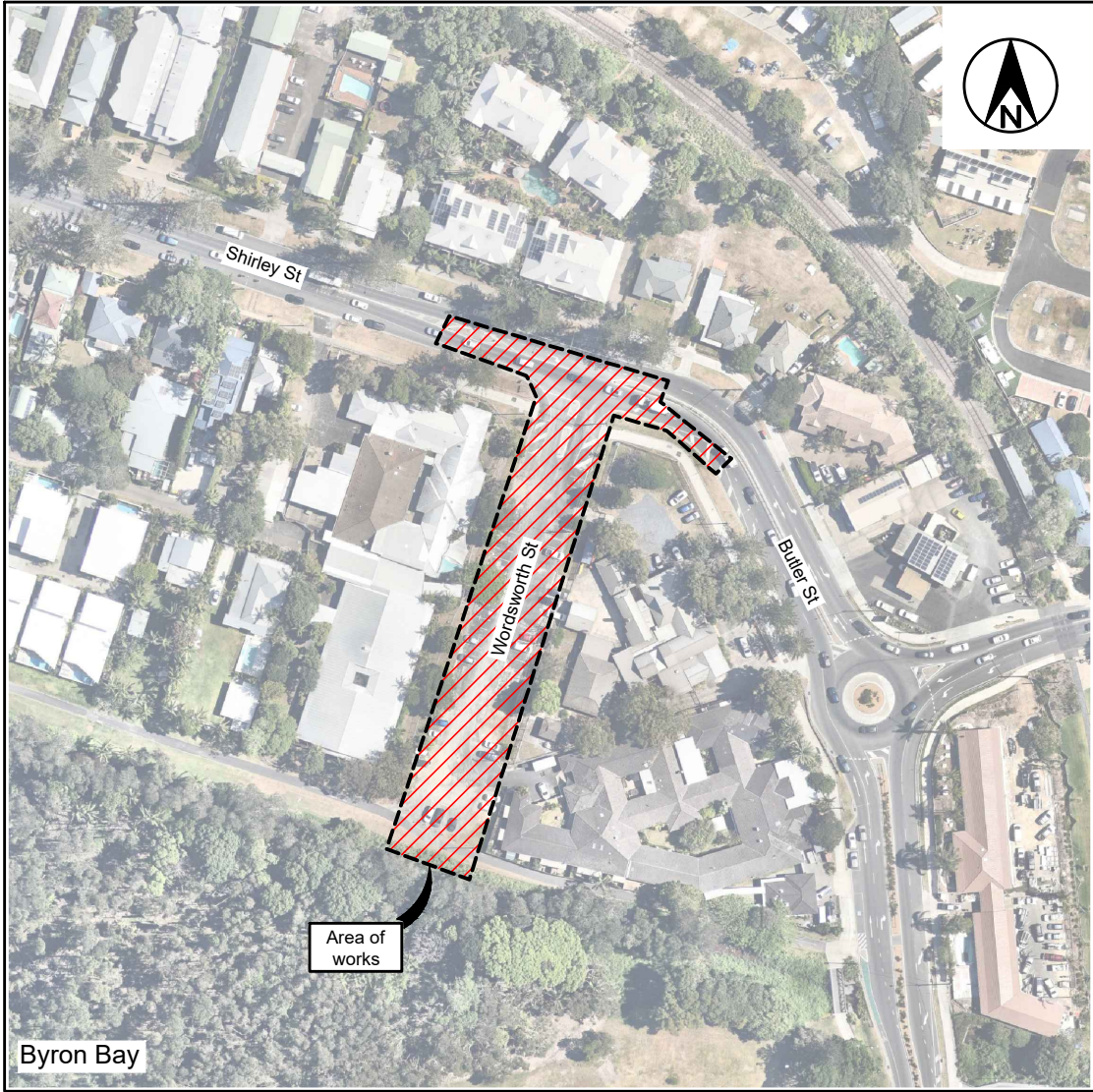


Street Upgrade Wordsworth Street Byron Bay



Locality sketch

☐ 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:

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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 Pulse Number:
PM22_1368

Plan Register Number:
2935

Drawing number

Issue

2935-01

1

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.

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.

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.

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

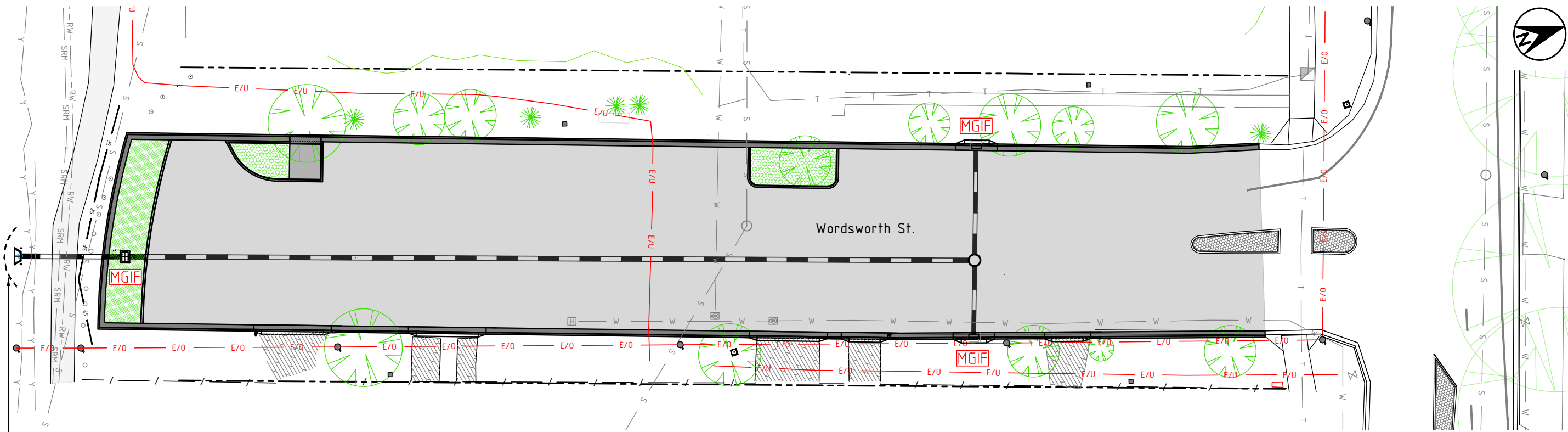
1. The constructor shall be responsible for the location of existing services prior to commencing with the works.
2. The constructor shall be responsible for the replacement of any existing services damaged during construction with new services of equivalent type and specifications.
3. The constructor shall be responsible for liaising 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.

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.

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.

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Install turbidity barrier

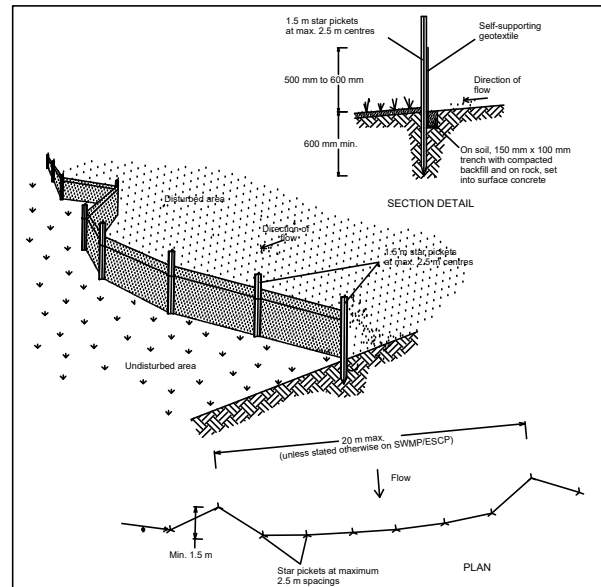
Site Plan
Scale 1:400 (A3)

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** 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**
- 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**

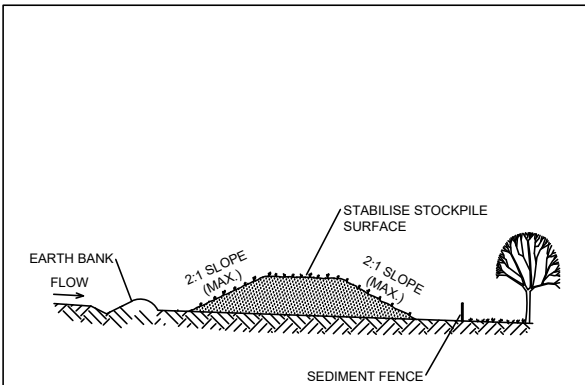


Construction Notes

- 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.
- Cut a 150-mm deep trench along the upslope line of the fence for the bottom of the fabric to be entrenched.
- 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.
- 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.
- Join sections of fabric at a support post with a 150-mm overlap.
- Backfill the trench over the base of the fabric and compact it thoroughly over the geotextile.

SEDIMENT FENCE

SD 6-8

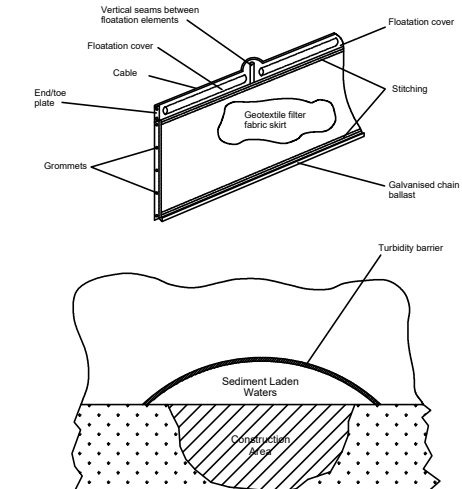


Construction Notes

- Place stockpiles more than 2 (preferably 5) metres from existing vegetation, concentrated water flow, roads and hazard areas.
- Construct on the contour as low, flat, elongated mounds.
- Where there is sufficient area, topsoil stockpiles shall be less than 2 metres in height.
- 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.
- 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

- Use turbidity barriers only where high flows are unlikely to remove accumulated sediment and/or move the curtain significantly.
- Where the barrier is to remain in place for more than one month, ensure the floatation cover is a UV-resistant, durable material.
- Use only closed cell foam or foam-filled PVC piping as floatation elements. Do not use unfilled pipes.
- 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.
- Remove captured sediment before the barrier is decommissioned.
- In tidal areas, ensure the barrier can rise and fall without being moved from its position.

TURBIDITY BARRIER

SD 6-10

CONSTRUCTION
FOR CONSTRUCTION

SCALE: A1 SHEET 1:200, A3 SHEET 1:400
0 2 4 8 12 16 20 m

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



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

Plan title:

Erosion & Sediment Control Plan

Project number:

2935

Drawing number

2935-03

Issue

1

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 RYEGRASS 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

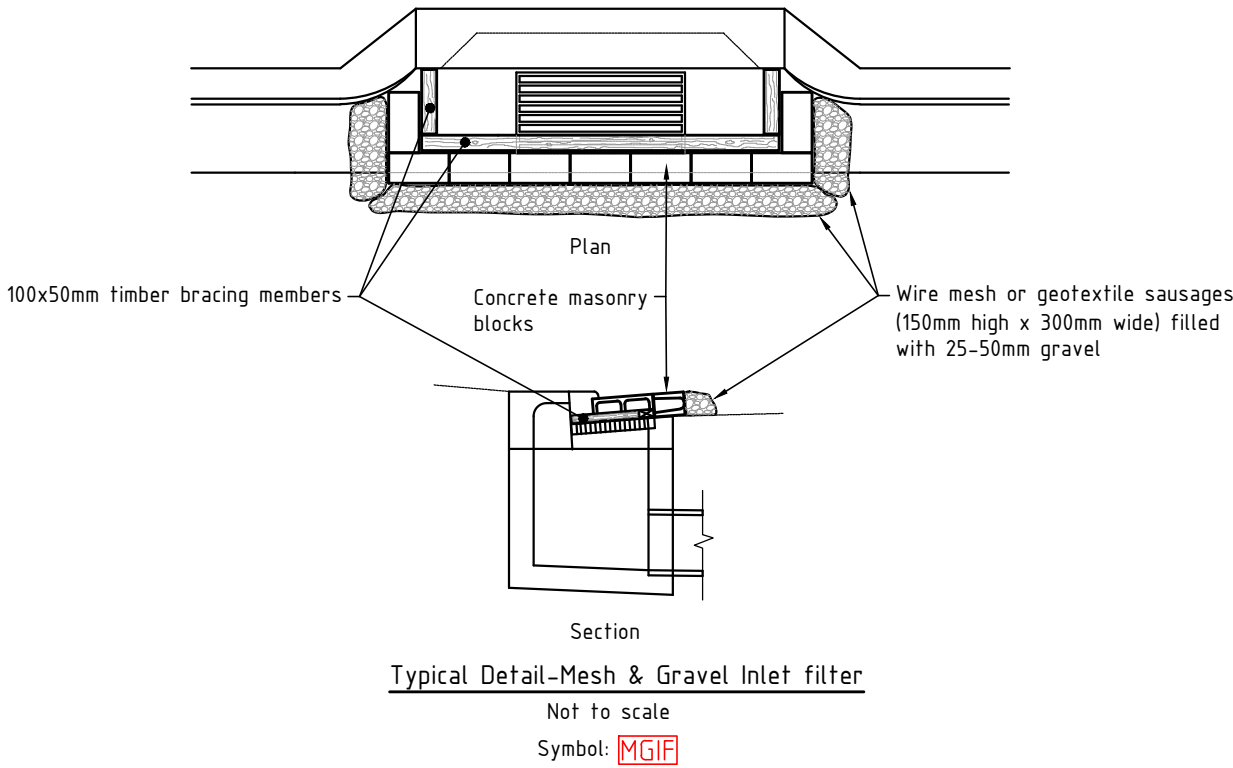
1. THE CONSTRUCTOR SHALL BE RESPONSIBLE FOR OPERATION, MONITORING, CLEANING OUT, MAINTENANCE, REPAIR AND RECTIFICATION OF EROSION AND SEDIMENT CONTROL WORK, AS SPECIFIED IN THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN.

REMOVAL

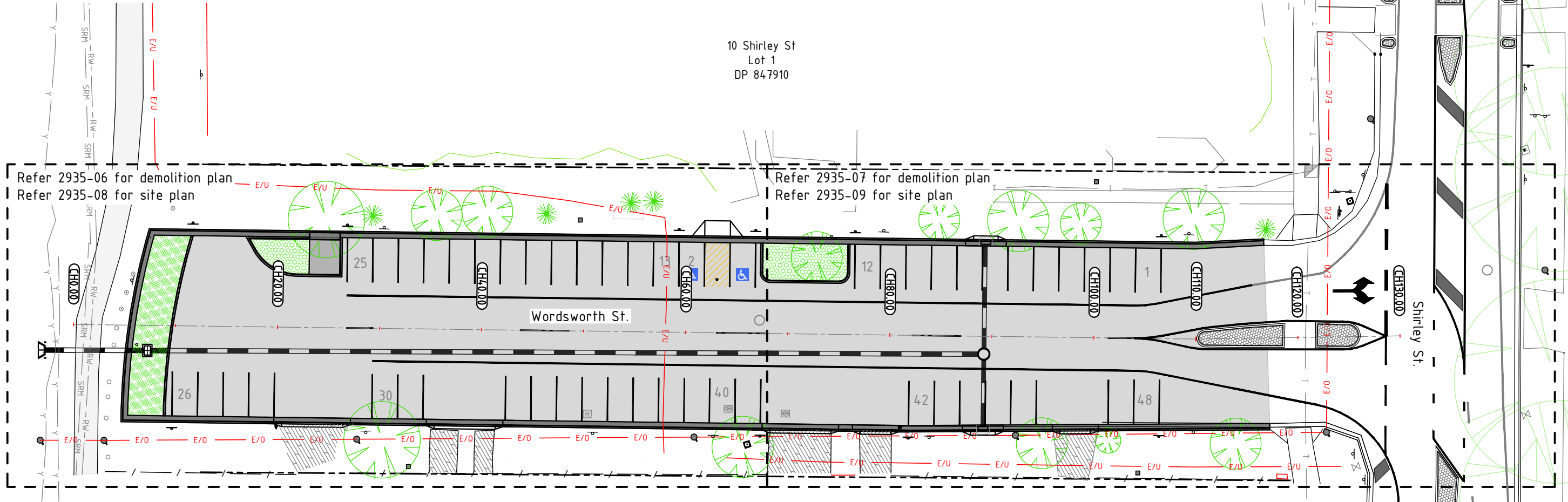
1. ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL WORKS SHALL BE REMOVED BY THE CONSTRUCTOR WHEN RE-VEGETATION IS ESTABLISHED ON FORMERLY EXPOSED AREAS BEFORE THE END OF THE SUBDIVISION WORKS. ALL MATERIALS USED FOR THE TEMPORARY EROSION AND SEDIMENTATION CONTROL WORKS SHALL BE REMOVED FROM THE SITE.

EROSION SEDIMENTATION

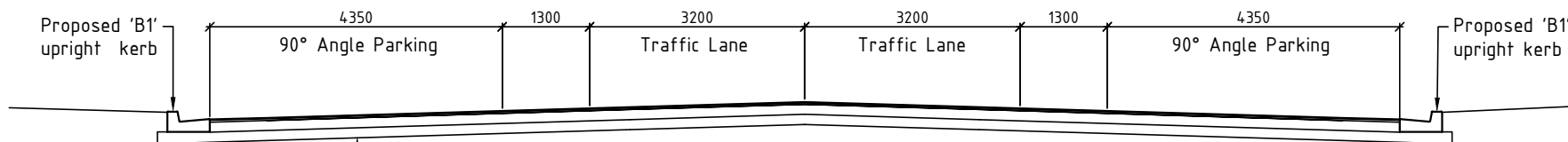
1. ADEQUATE MEASURES SHALL BE TAKEN TO PREVENT EROSION AND TO RETAIN SILTATION WITHIN THE SCOPE OF THE WORKS. REFER TO THE RELEVANT PARAGRAPH IN THE NOTES AND/OR TO THE EROSION AND SEDIMENTATION CONTROL PLAN WITHIN THE DRAWING SET.



CONSTRUCTION FOR CONSTRUCTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	</
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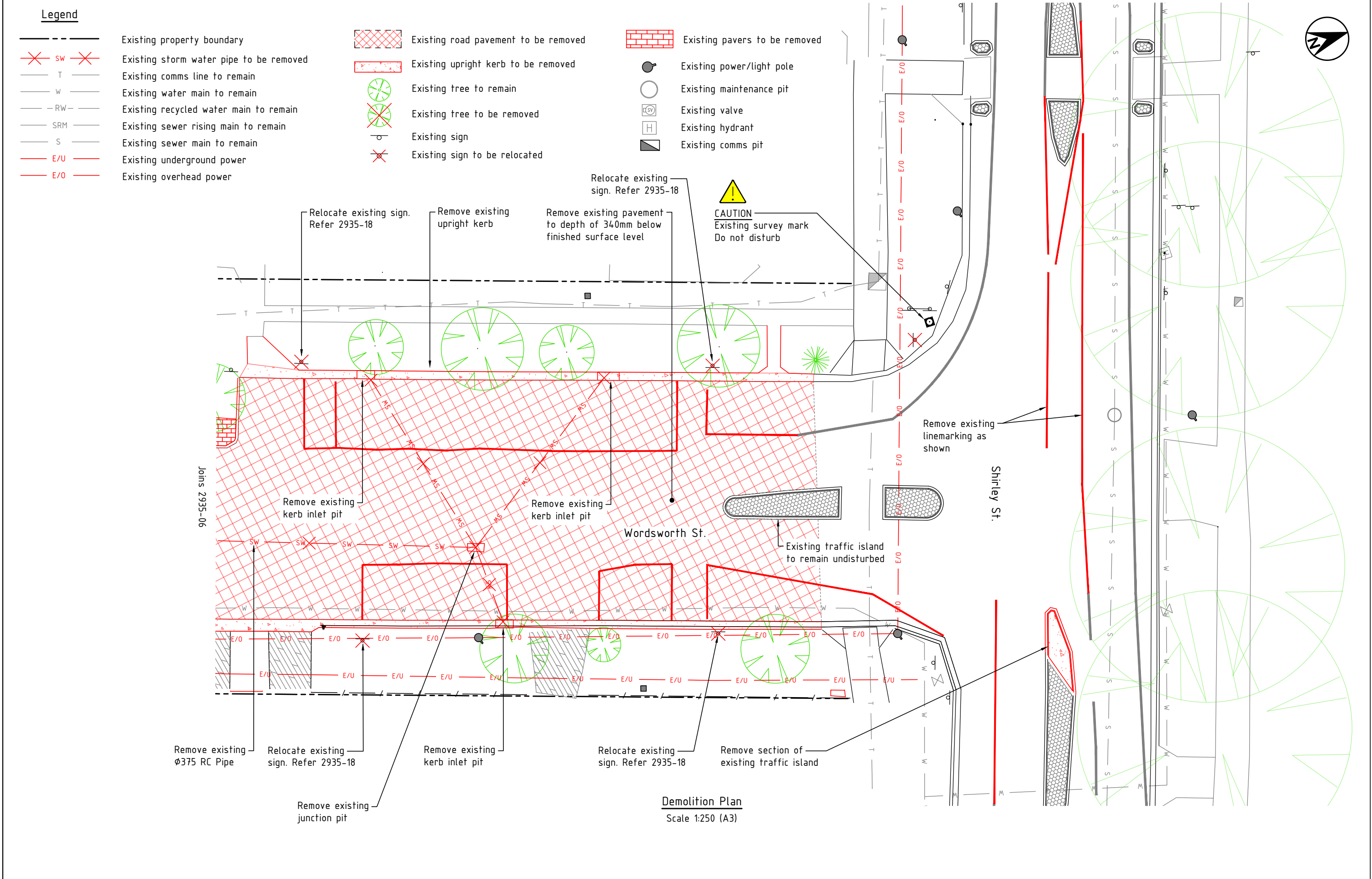
Site Plan
Scale 1:400 (A3)



Box out 340mm below finished surface level. Supply and compact 150mm DGS20 subbase & 150mm DGB20 base & 40mm AC10 seal

Typical section
Scale 1:100 (A3)

CONSTRUCTION FOR CONSTRUCTION				SCALE: A1 SHEET 1:50, A3 SHEET 1:100 00.512345 m SCALE: A1 SHEET 1:200, A3 SHEET 1:400 0248121620 m				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 DesignedA.D.03.03.23 DrawnA.D.03.03.23 CheckedJ.F.03.03.23 Horizontal datumMGA1994 Vertical datumAHD				Project: Street Upgrade Wordsworth Street, Byron Bay				Project number: 2935			
1 Construction issue Amendment details				DrawnJ.F. CheckJ.F. Date13.14.23				# Use figured dimensions only. Do not scale.				Plan title: Key Plan & Typical Section				Drawing number 2935-05				Issue 1							



CONSTRUCTION
FOR CONSTRUCTION

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

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

0 2.5 5 7.5 10 12.5m

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**

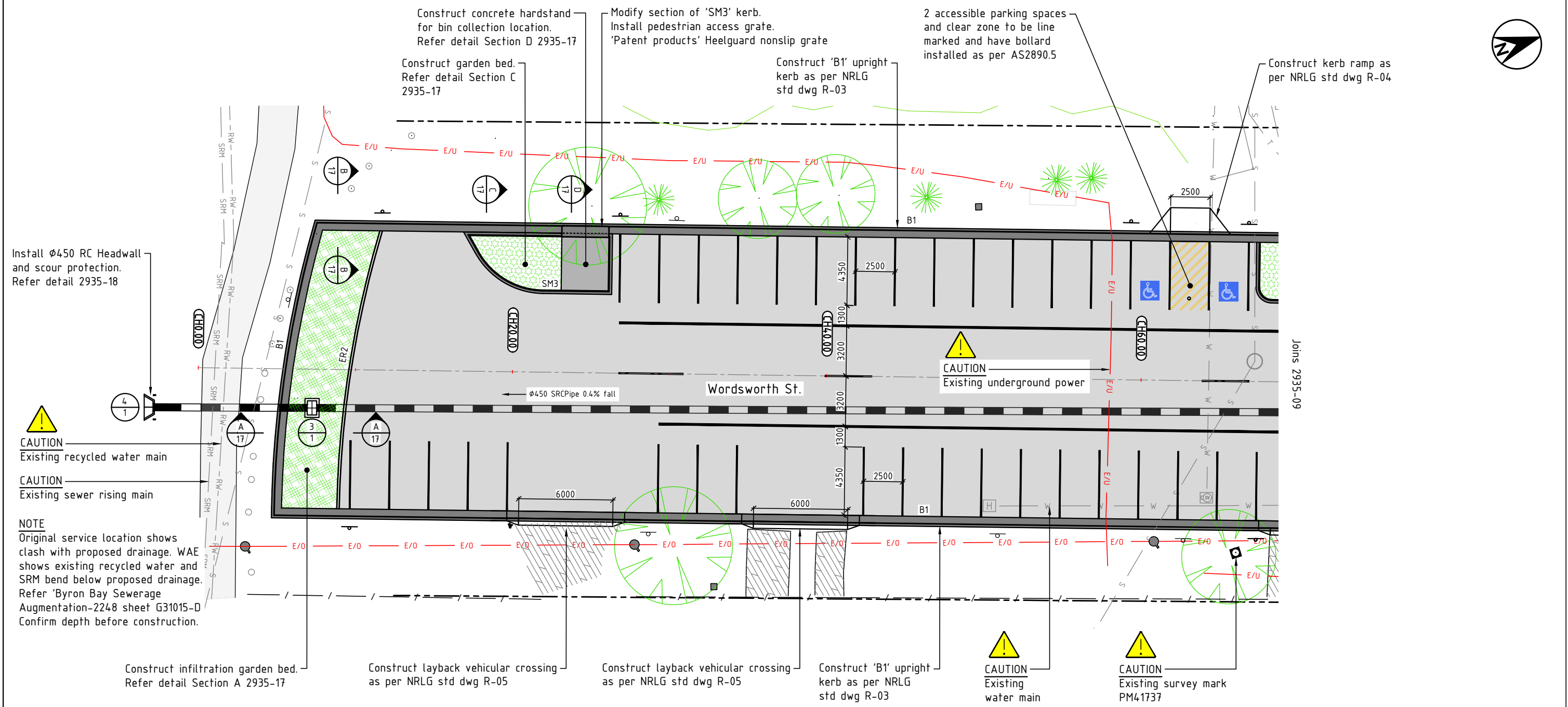
Plan title:
**Demolition Plan
Sheet 2 of 2**

Project number:
2935

Drawing number
2935-07

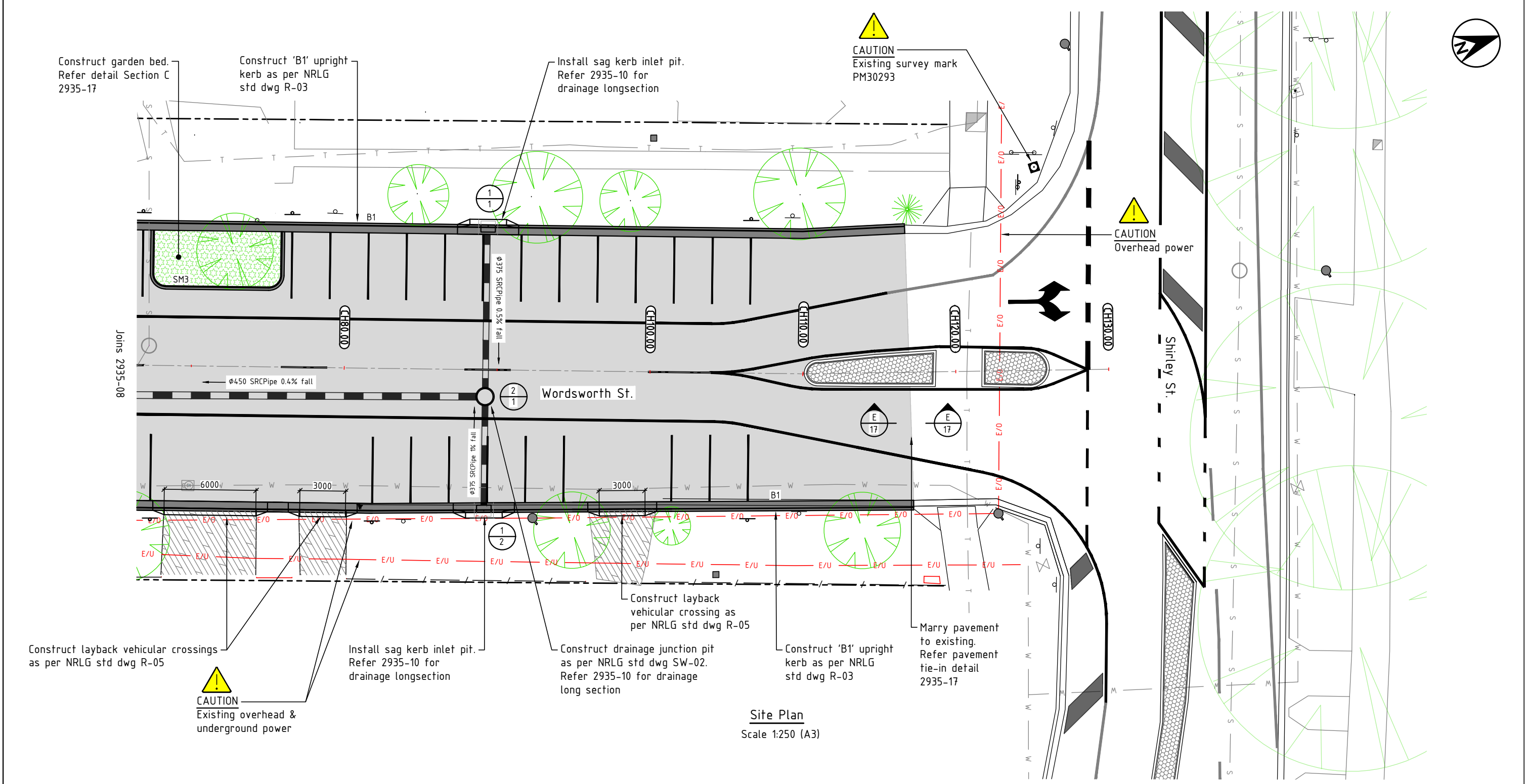
Issue
1

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
	Proposed road pavement
	Proposed 630mm wide upright kerb and gutter (B1)
	Proposed semi mountable kerb (SM3)
	Proposed flush edge restraint (ER2)
	Proposed sign
	Proposed garden
	Proposed infiltration garden
	Proposed storm water pipe
	Proposed kerb inlet pit
	Proposed junction pit
	Proposed 'bottomless' pit
	Existing tree to remain
	Existing sign to remain
	Existing power/light pole
	Existing maintenance pit
	Existing valve
	Existing hydrant
	Existing comms pit
	Existing underground power
	Existing overhead power
	Existing comms line
	Existing water main
	Existing recycled water main
	Existing sewer rising main
	Existing sewer gravity main

Project number:	
2935	
Drawing number	Issue
2935-08	1



Site Plan
Scale 1:250 (A3)

Legend

- Existing property boundary
- Proposed road pavement
- B1 Proposed 630mm wide upright kerb and gutter (B1)
- SM3 Proposed semi mountable kerb (SM3)
- ER2 Proposed flush edge restraint (ER2)
- Proposed sign

- Proposed garden
- Proposed infiltration garden
- Proposed storm water pipe
- Proposed kerb inlet pit
- Proposed junction pit
- Proposed 'bottomless' pit

- Existing tree to remain
- Existing sign to remain
- Existing power/light pole
- Existing maintenance pit
- Existing valve
- Existing hydrant
- Existing comms pit

- E/U Existing underground power
- E/O Existing overhead power
- T Existing comms line
- W Existing water main
- RW- Existing recycled water main
- SRM Existing sewer rising main
- S Existing sewer gravity main

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

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

Approved on behalf of the General Manager

..... Date

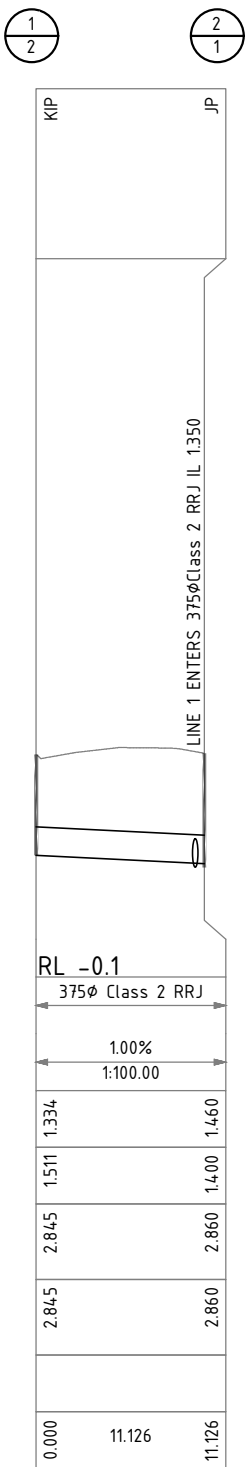
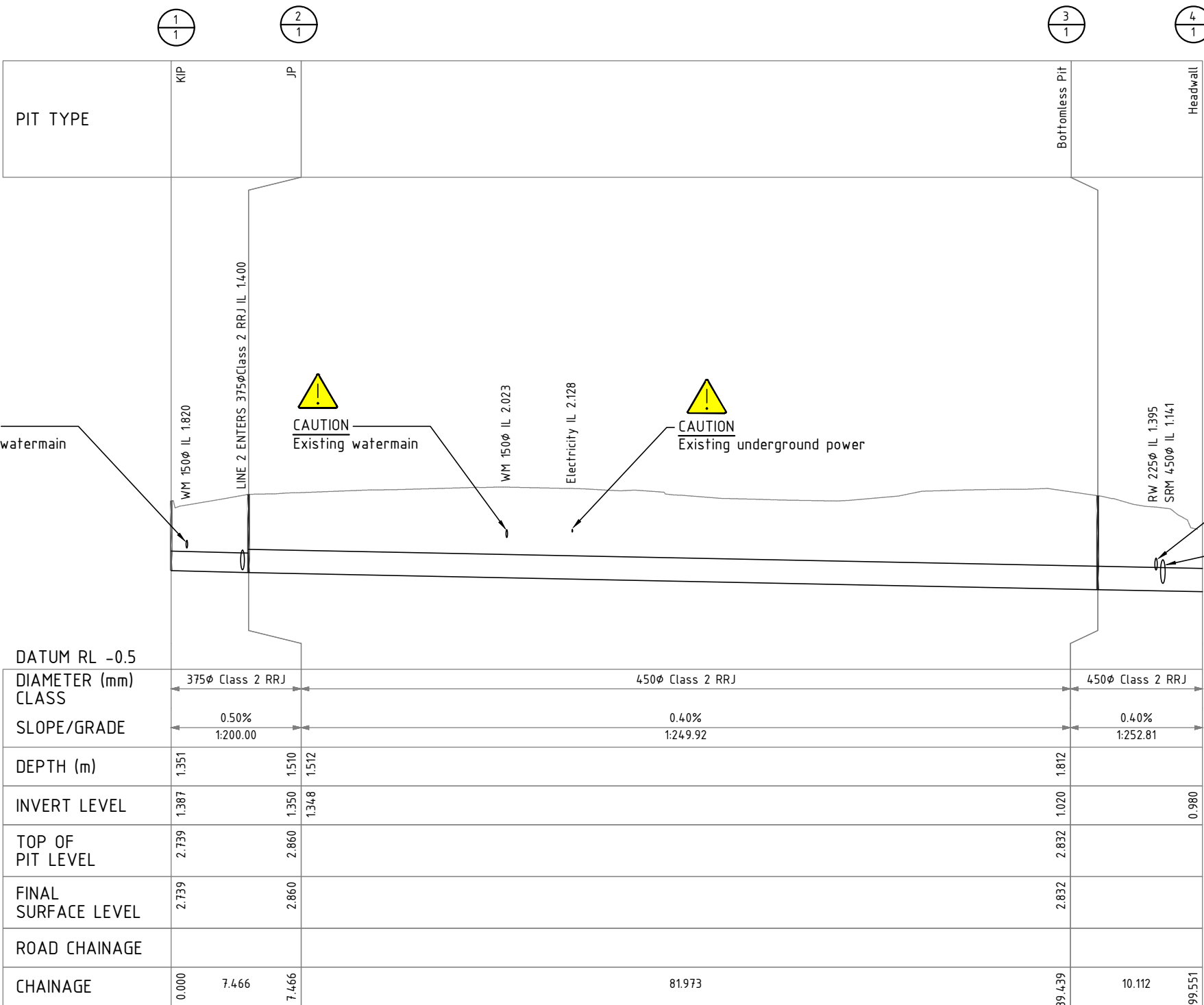
Designed	A.D.	03.03.23
Drawn	A.D.	03.03.23
Checked	J.F.	03.03.23
Horizontal datum	MGA	
Vertical datum	AHD	

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

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

Project number: **2935**

Drawing number	Issue
2935-09	1



NOTE
Original service location shows
clash with proposed drainage. WAE
shows existing recycled water and
SRM bend below proposed drainage.
Refer 'Byron Bay Sewerage
Augmentation-2248 sheet G31015-D
Confirm depth before construction.

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

CONSTRUCTION
FOR CONSTRUCTION

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

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.

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	MGA	
Vertical datum	AHD	

Project:
Street Upgrade
Wordsworth Street, Byron Bay

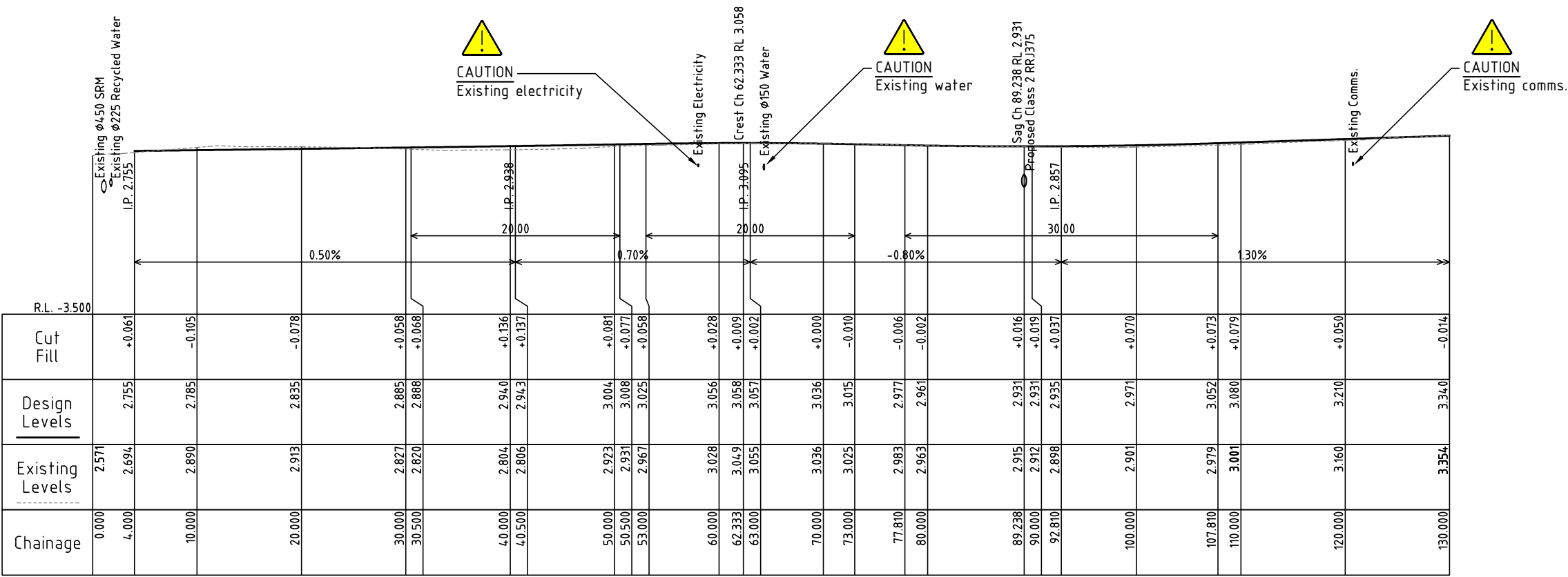
Plan title:
Drainage Longsection

Project number:
2935

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



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

CONSTRUCTION
FOR CONSTRUCTION

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

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.

Infrastructure Services
Council offices
70-90 Station Street,
Mullumbimby NSW 2482.

Phone 02 66267000
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BYRON SHIRE COUNCIL

Approved on behalf of the General Manager

..... Date

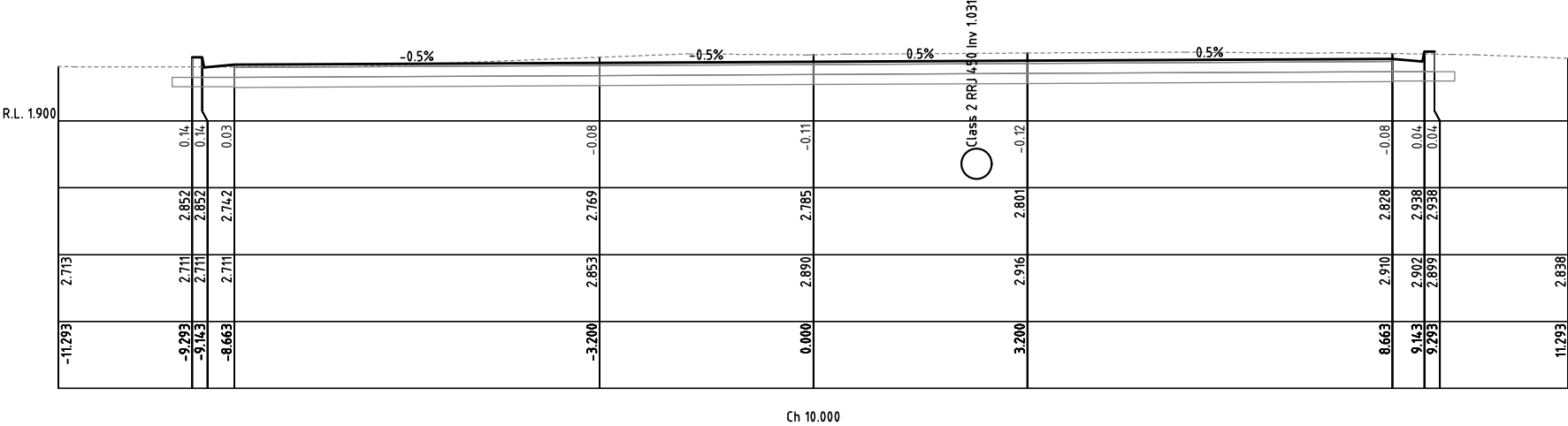
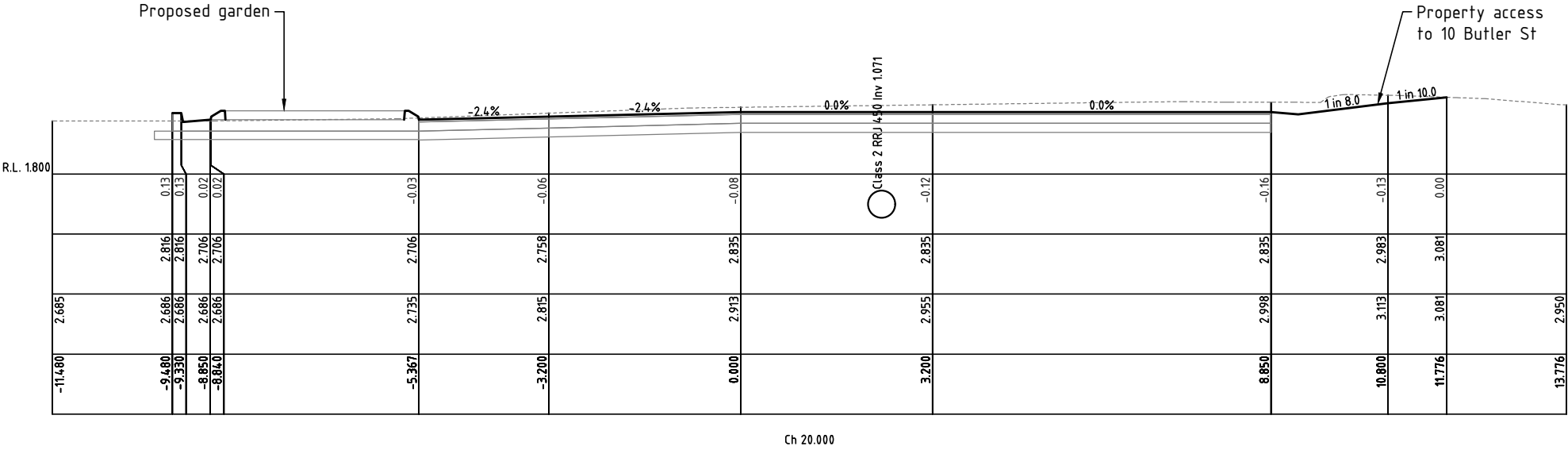
Designed	A.D.	03.03.23
Drawn	A.D.	03.03.23
Checked	J.F.	03.03.23
Horizontal datum	MGA	
Vertical datum	AHD	

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

Plan title: **Road CL Longsection**

Project number:	2935
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

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

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

0 0.5 1 2 3 4 5 m

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	MGA	
Vertical datum	AHD	

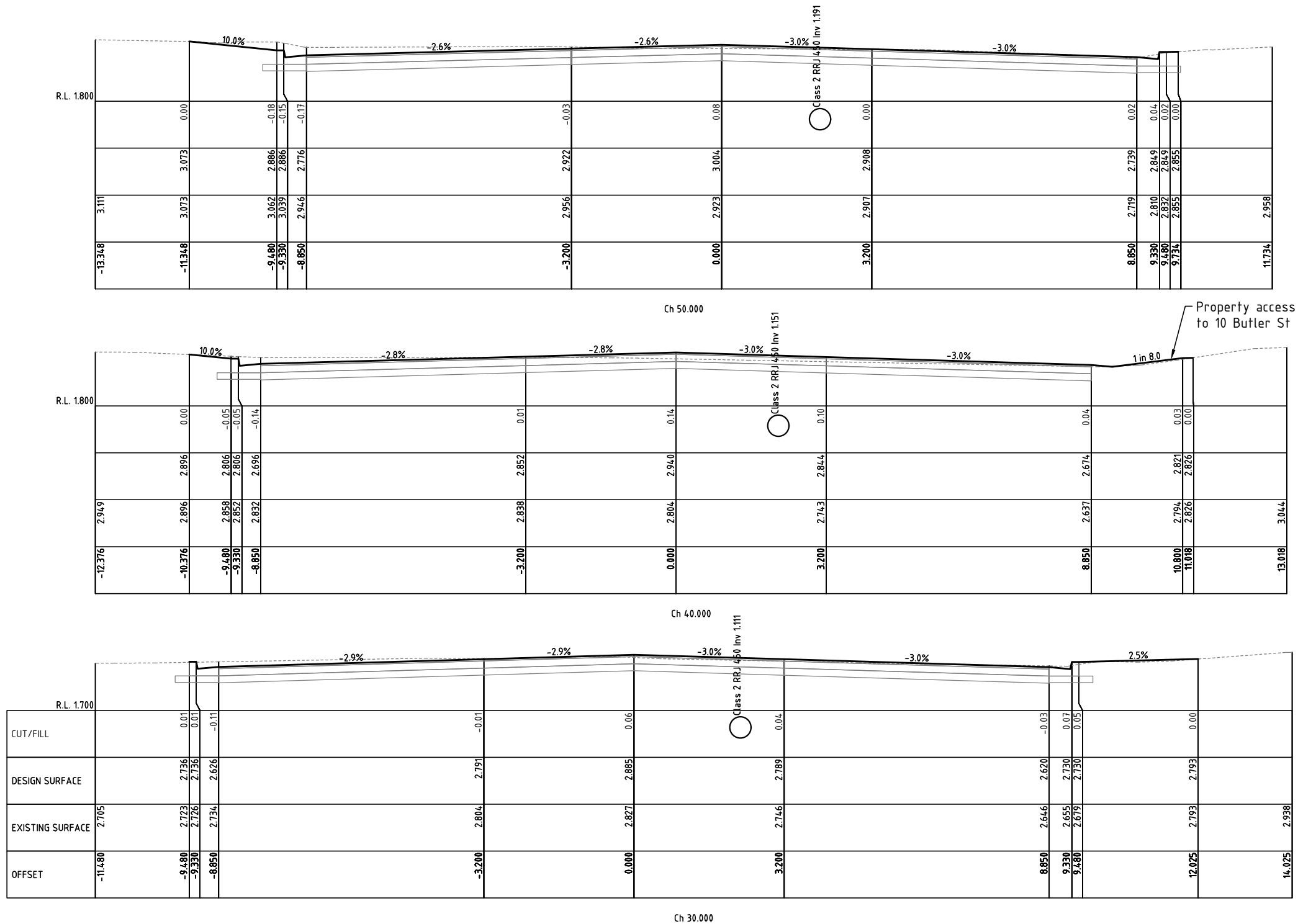
Project:
**Street Upgrade
Wordsworth Street, Byron Bay**

Plan title:
**Road CL Cross sections
Sheet 1 of 5**

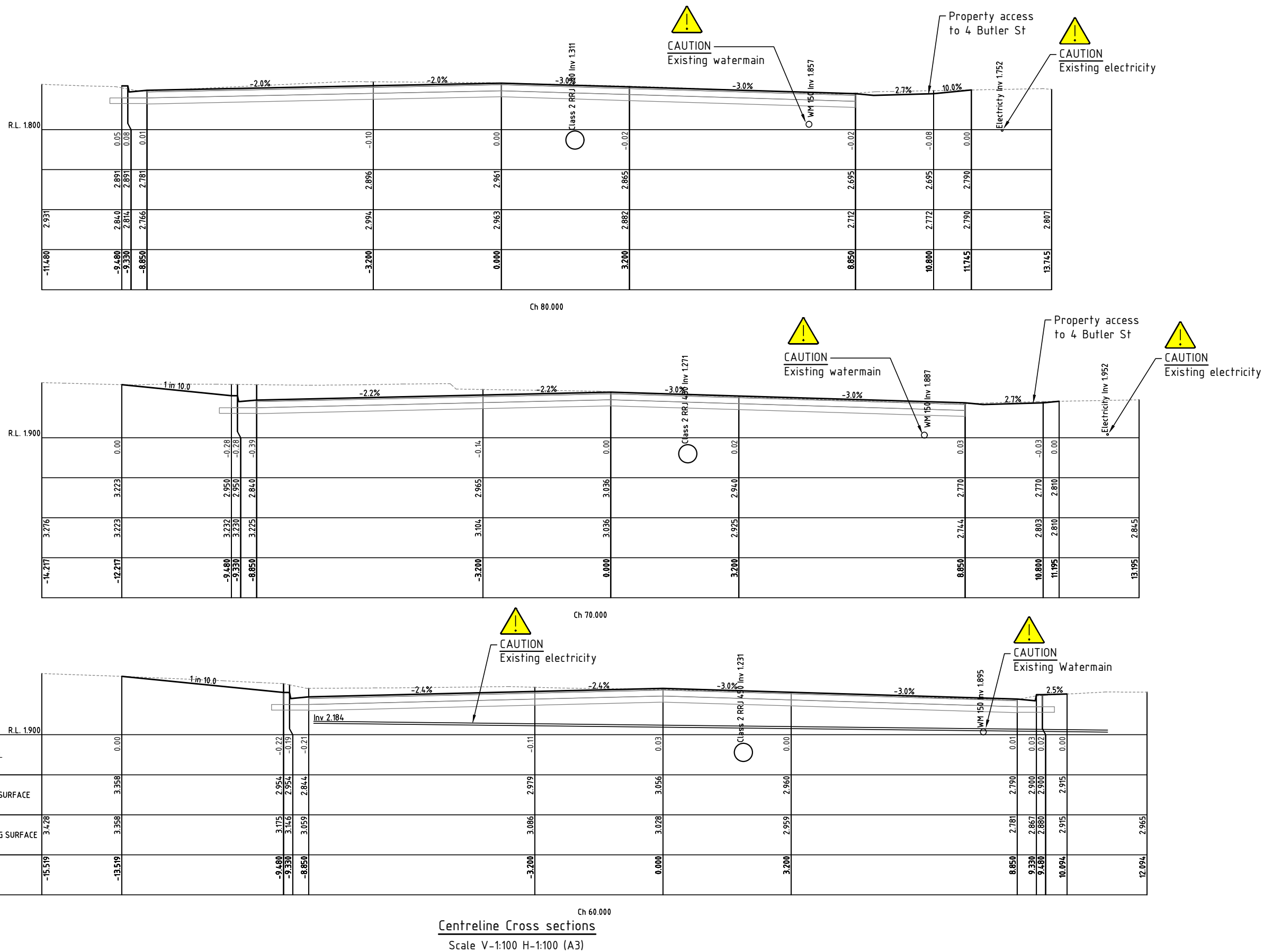
Project number:
2935

Drawing number	Issue
2935-12	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

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

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

0

0.5

1

2

3

4

5

m

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

Plan title:

Road CL Cross sections
Sheet 3 of 5

Project number:

2935

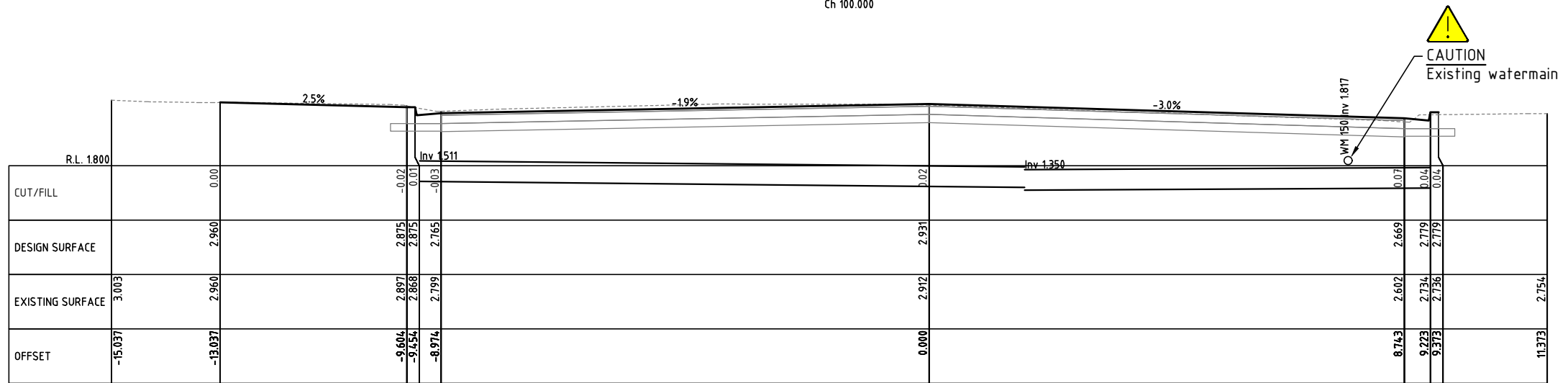
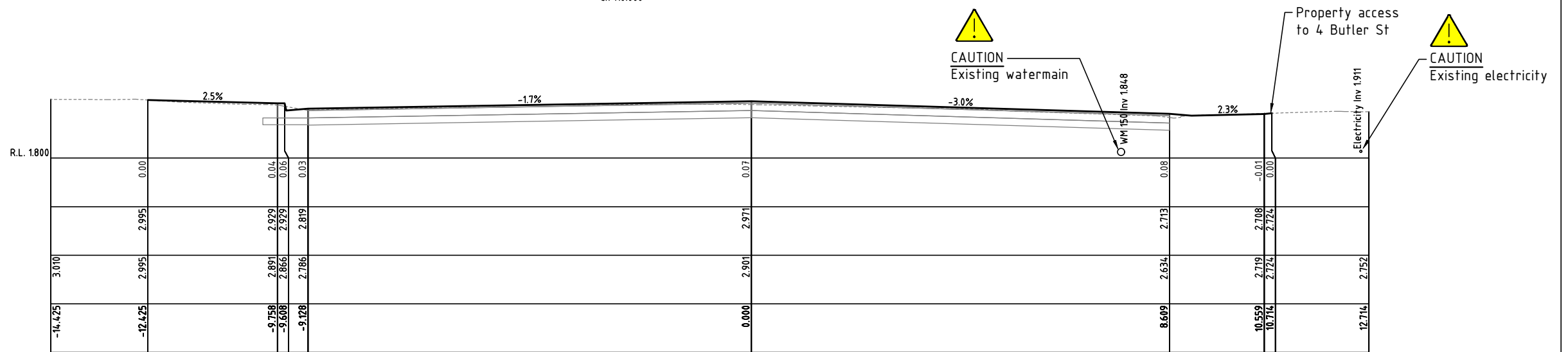
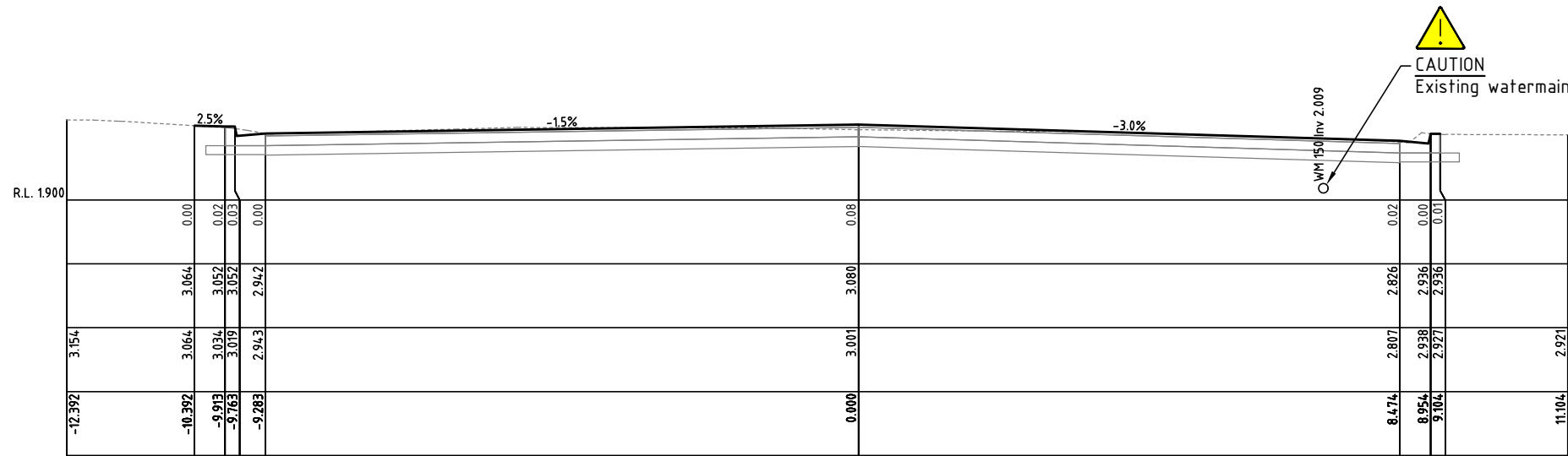
Drawing number

2935-14

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

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

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

0 0.5 1 2 3 4 5 m

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Approved on behalf of the General Manager

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

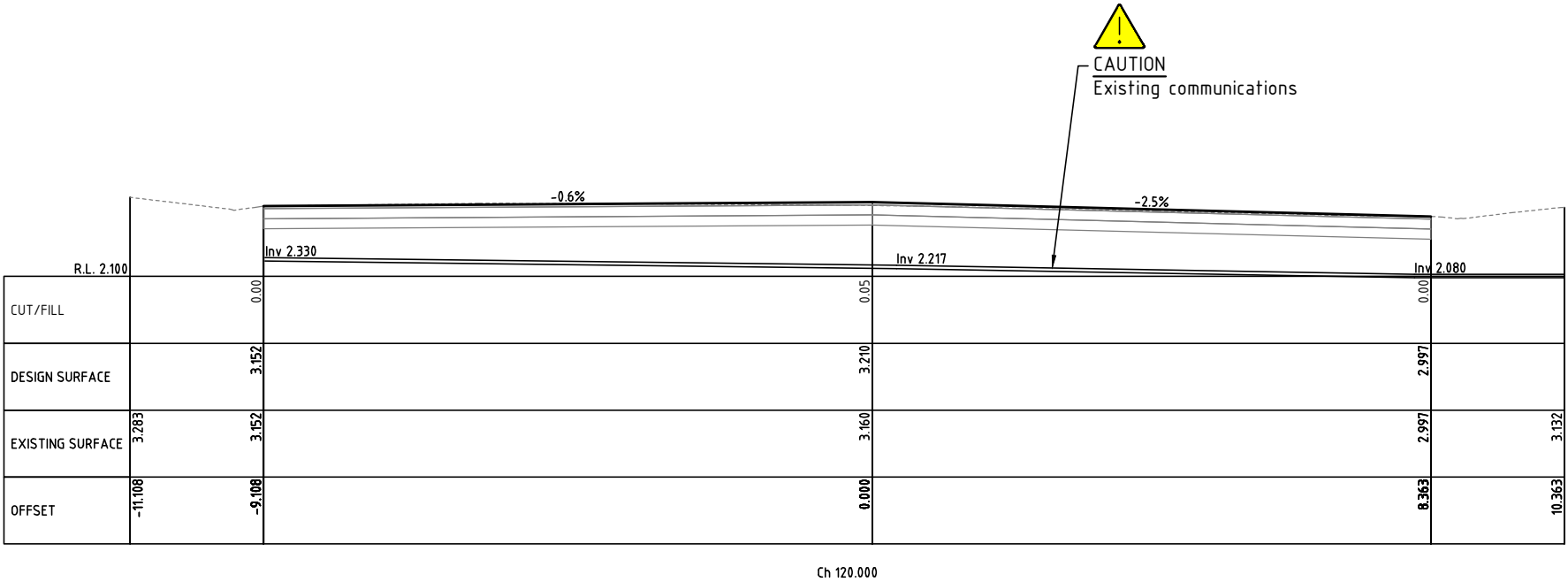
Project:
**Street Upgrade
Wordsworth Street, Byron Bay**

Project number:
2935

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

Drawing number	Issue
2935-15	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

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

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

0

0.5

1

2

3

4

5

m

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	

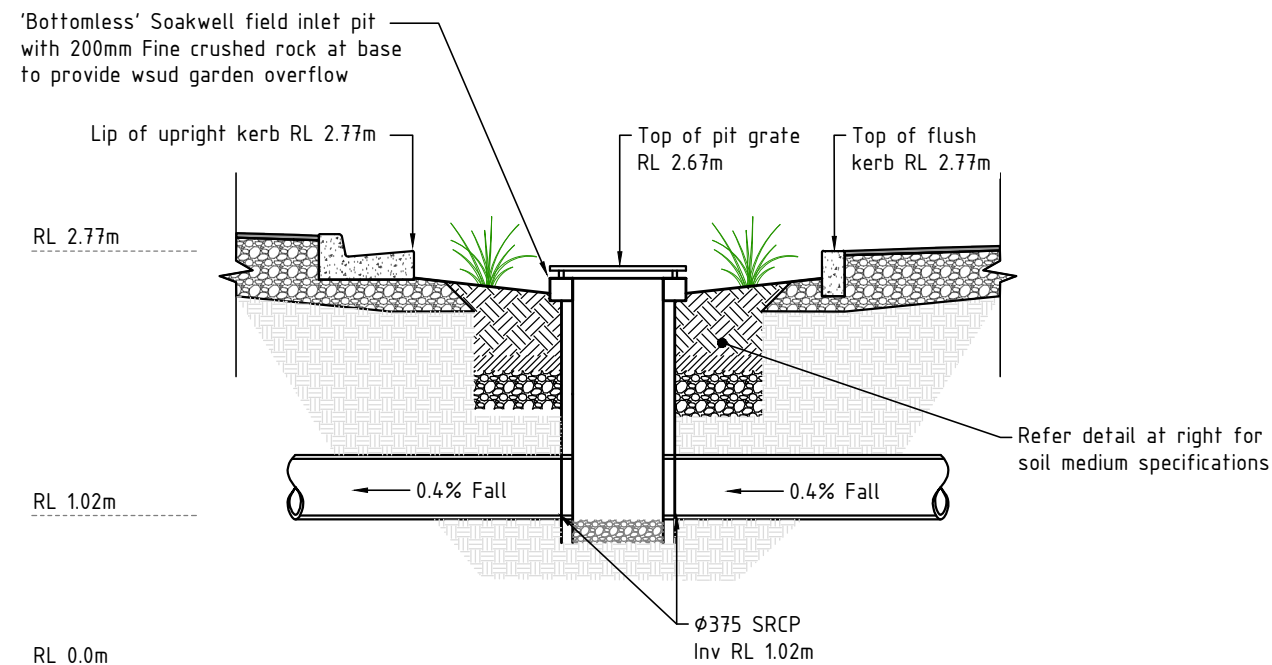
Project:
Street Upgrade
Wordsworth Street, Byron Bay

Plan title:
Road CL Cross sections
Sheet 5 of 5

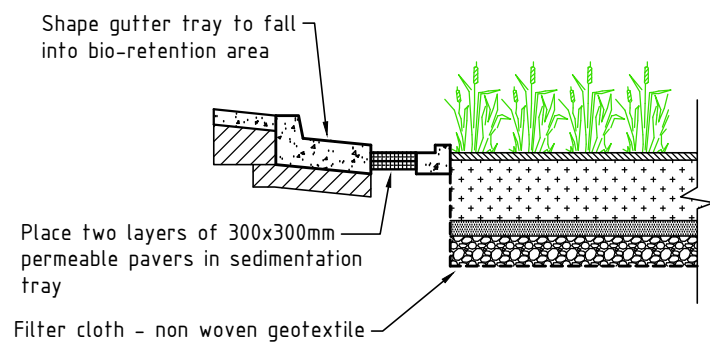
Project number:
2935

Drawing number	Issue
2935-16	1

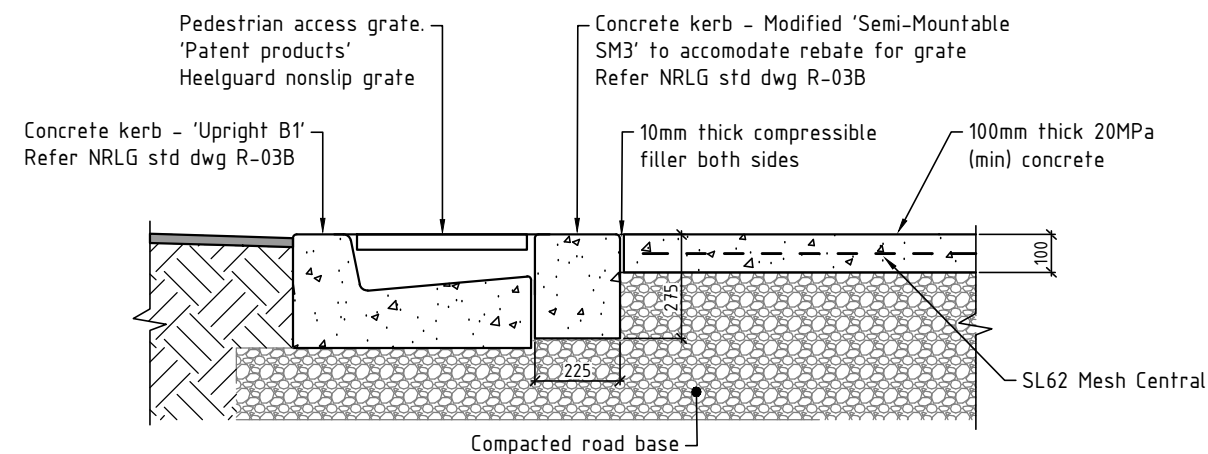
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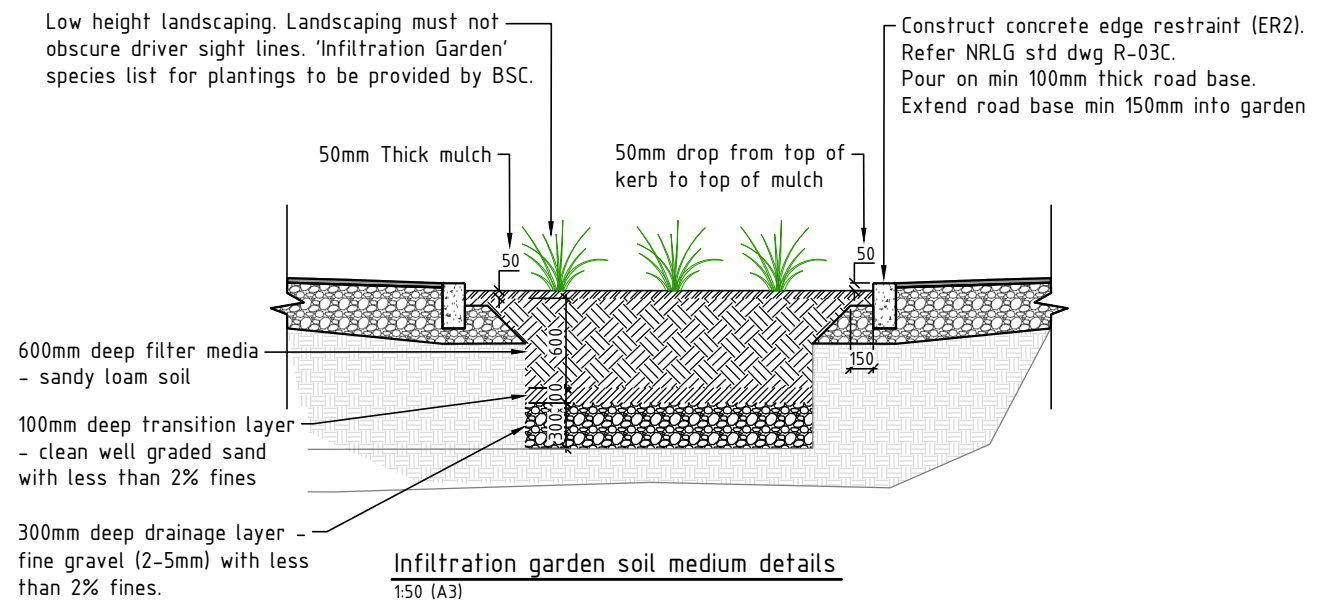
WSUD garden pit overflow detail
1:50 (A3) **A**
08



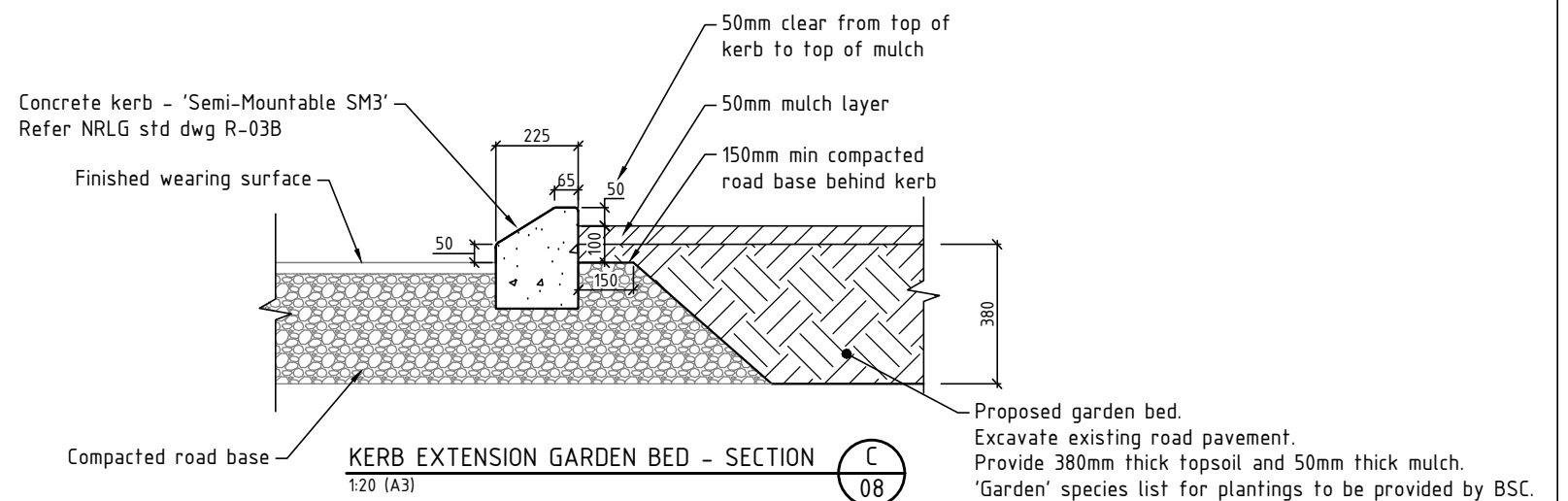
Upright kerb and gutter discharge to Infiltration garden detail
1:50 (A3) **B**
08



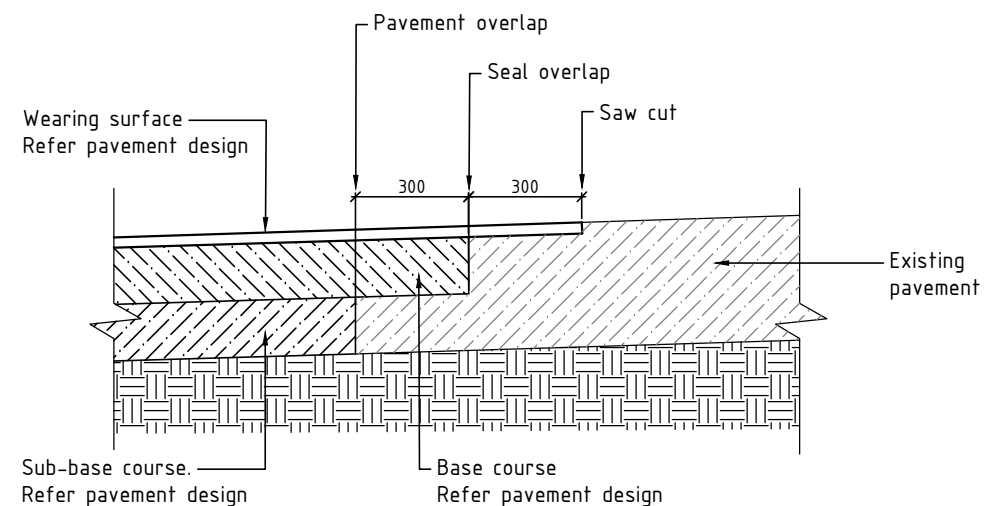
Concrete hardstand area detail
1:20 (A3) **D**
08



Infiltration garden soil medium details
1:50 (A3)



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



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

**CONSTRUCTION
FOR CONSTRUCTION**

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 2.5 m

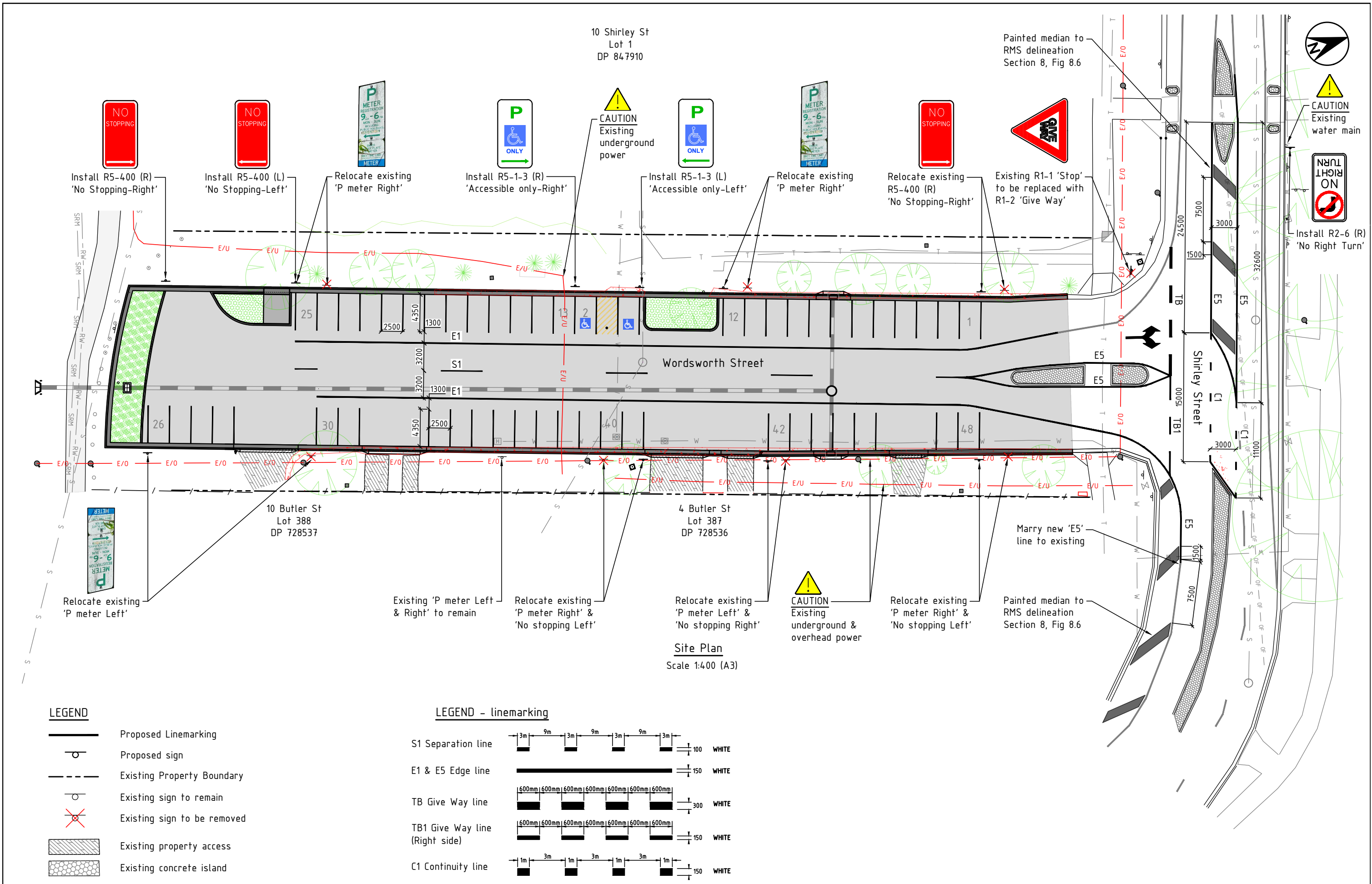
**Infrastructure
Services**
Council offices
70-90 Station Street,
Mullumbimby NSW 2482.
Phone 02 66267000
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Approved on behalf of the General Manager		
Date		
Designed	A.D.	03.03.23
Drawn	A.D.	03.03.23
Checked	J.F.	03.03.23
Horizontal datum	MGA	
Vertical datum	AHD	

Project:	Street Upgrade Wordsworth Street, Byron Bay
Plan title:	General Details

Project number:	2935
Drawing number	2935-17
Issue	1



LEGEND

- Proposed Linemarking
- Proposed sign
- Existing Property Boundary
- Existing sign to remain
- Existing sign to be removed
- Existing property access
- Existing concrete island

LEGEND - linemarking

- S1 Separation line
- E1 & E5 Edge line
- TB Give Way line
- TB1 Give Way line (Right side)
- C1 Continuity line

CONSTRUCTION
FOR CONSTRUCTION

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

0 2 4 8 12 16 20 m

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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

Plan title:

Signs & Line marking Plan

Project number:

2935

Drawing number

2935-18

Issue

1