

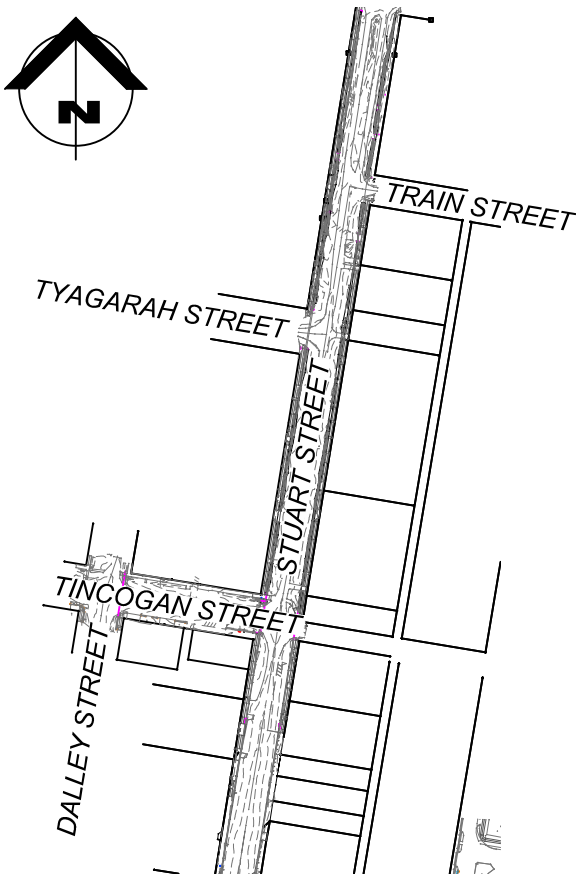
MULLUMBIMBY STREETSCAPE UPGRADES, TINCOGAN STREET MULLUMBIMBY, NSW, 2482

GENERAL NOTES

- ALL DIMENSIONS GIVEN ON THESE DRAWINGS ARE IN METRES, UNLESS NOTED OTHERWISE.
- ALL WORK AND MATERIALS SHALL COMPLY WITH THE PROJECT DRAWINGS, SPECIFICATION AND CURRENT COUNCIL STANDARDS AND SPECIFICATIONS.
- ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE WORK HEALTH AND SAFETY ACT (2011).
- CONTRACTOR TO PROVIDE TRAFFIC MANAGEMENT FOR THE DURATION OF CONSTRUCTION IN ACCORDANCE WITH "THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES"
- THE CONTRACTOR IS TO LOCATE, IDENTIFY AND ESTABLISH THE CONNECTIVITY OF ALL EXISTING SERVICES WITHIN THE LIMITS OF PROPOSED WORKS AND CONFIRM THIS INFORMATION WITH THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
- PROPERTY BOUNDARIES ARE SUBJECT TO CONFIRMATION BY FIELD SURVEY CARRIED OUT BY A REGISTERED SURVEYOR.
- ALL WORK SHALL BE JOINED NEATLY TO EXISTING FEATURES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MEASURING DEVICES, SAFETY EQUIPMENT AND MACHINERY REQUIRED TO CARRY OUT INSPECTIONS/MEETINGS AS SPECIFIED OR REQUESTED BY THE ENGINEER.
- PROOF ROLLING SHALL BE CARRIED OUT USING A SINGLE AXLE HIGHWAY TRUCK WITH A REAR AXLE LOAD NOT LESS THAN 8 TONNES AND TYRES INFLATED TO 550kPa OR APPROVED EQUIVALENT. EQUIPMENT LABOUR AND LOADING REQUIRED FOR PROOF ROLLING IS TO BE PROVIDED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL RESTORE ALL EXISTING AREAS TO BE MAINTAINED, TO THEIR ORIGINAL CONDITION UPON COMPLETION OF THE WORKS.
- AS CONSTRUCTED SURVEY OF ALL COMPLETED WORKS IS TO BE COMPLETED BY A REGISTERED SURVEYOR AT CONTRACTOR COST, AND PROVIDED AT THE COMPLETION OF WORKS.
- THESE NOTES SHALL APPLY TO ALL PORTIONS OF THE WORKS.
- FOR SETOUT REFER TO CONSULTING ENGINEER FOR DIGITAL DATA.
- SURVEY MARKS MUST NOT BE DESTROYED/IMPACTED/REINSTATED UNLESS APPROVED BY PM



LOCALITY PLAN
NTS



SITE PLAN
SCALE 1:5000 AT A1

SCHEDULE OF PROJECT DRAWINGS

DWG. NO.	DRAWING TITLE
COVER SHEET	
000	2833 - TINCOGAN STREET COVER SHEET, SITE PLAN, LOCALITY PLAN
ROADWORKS	
R001	STAGE 1 ROADWORKS KEY PLAN
R002	STAGE 1 ROADWORKS PLAN SHEET 1 OF 2
R003	STAGE 1 ROADWORKS PLAN SHEET 2 OF 2
R004	TURNING PATH PLAN SHEET 1 OF 2
R005	TURNING PATH PLAN SHEET 2 OF 2
R006	STAGE 2 TYPICAL SECTIONS
R007	STAGE 2 ROADWORKS PLAN
SERVICE ALTERATIONS	
SW001	STAGE 1 SERVICE ALTERATION KEY PLAN
SW002	STAGE 1 SERVICE ALTERATION PLAN SHEET 1 OF 2
SW003	STAGE 1 SERVICE ALTERATION PLAN SHEET 2 OF 2
SW004	STAGE 2 SERVICE ALTERATION PLAN
SIGNS & LINEMARKING	
SL001	STAGE 1 SIGNAGE & LINEMARKING KEY PLAN
SL002	STAGE 1 SIGNAGE & LINEMARKING PLAN SHEET 1 OF 2
SL003	STAGE 1 SIGNAGE & LINEMARKING PLAN SHEET 2 OF 2
SL004	INTERIM LINEMARKING PLAN SHEET 1 OF 2
SL005	INTERIM LINEMARKING PLAN SHEET 2 OF 2
SL006	STAGE 2 SIGNS AND LINEMARKING PLAN

RELEVANT STANDARD DRAWINGS

CURRENT ISSUES APPLY ONLY


ROADWORKS INDEX

BYRON SHIRE COUNCIL




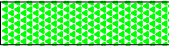
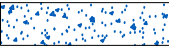
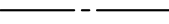

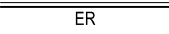
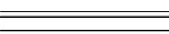

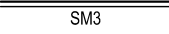


R-03C	KERB & GUTTER AND EDGE RESTRAINT PROFILES
RS-050	DRIVEWAYS - RESIDENTIAL DRIVEWAYS PLAN 2 OF 2
RS-051	DRIVEWAYS - HEAVY DUTY VEHICLE CROSSING
RS-065	PATHWAYS - CONCRETE PATHWAY CONSTRUCTION DETAILS
RS-080	KERB & CHANNEL - PROFILES AND DIMENSIONS INCLUDING EDGE RESTRAINTS, MEDIAN & CHANNEL
RS-081	KERB & CHANNEL - RESIDENTIAL DRAINAGE CONNECTIONS
RS-090	KERB RAMP - RAMPED PEDESTRIAN CROSSINGS
RS-091	KERB RAMPS - RAMPED AND CUT THROUGH TREATMENTS FOR PEDESTRIAN CROSSINGS SLIP LANES AND MEDIANS
RS-092	KERB RAMPS - INSTALLATION OF TGSIS ON RAMPED CROSSINGS
RS-093	KERB RAMPS - INSTALLATION OF TGSIS ON RAMPED KERB CROSSINGS APPLICATION EXAMPLES
RS-130	ROAD FURNITURE - STREET NAME SIGN AND LOCATION (FINGER BOARD)
RS-131	ROAD FURNITURE - TRAFFIC SIGN INSTALLATION DETAILS
RS-140	SUBSOIL DRAINS - DETAILS AND LOCATIONS
RS-142	SUBSOIL DRAINS - ACCESS POINTS

ISSUED FOR
CONSTRUCTION

CONTRACTOR TO DETERMINE AND
LOCATE ALL EXISTING SERVICES PRIOR
TO COMMENCEMENT OF WORKS

				CLIENT BYRON SHIRE COUNCIL	DESIGN AR	DRAWN AR	APPROVED TP	TITLE 2833 - TINCOGAN STREET COVER SHEET, SITE PLAN, LOCALITY PLAN AND SCHEDULE OF DRAWINGS	PROJECT NO. OSK5378		
				PROJECT MULLUMBIMBY STREETSCAPE UPGRADES MULLUMBIMBY, NSW, 2482	T.P.PURDON - CPEng NER				SCALE 1:5000 AT A1 1:10000 AT A3	DWG NO. 000	ISSUE A
					09-07-21						
A	09-07-21	ISSUED FOR 90% CONSTRUCTION			SIGNED _____			DATE 09-07-21			
ISSUE No.	DATE	AMENDMENT									

ROADWORKS LEGEND

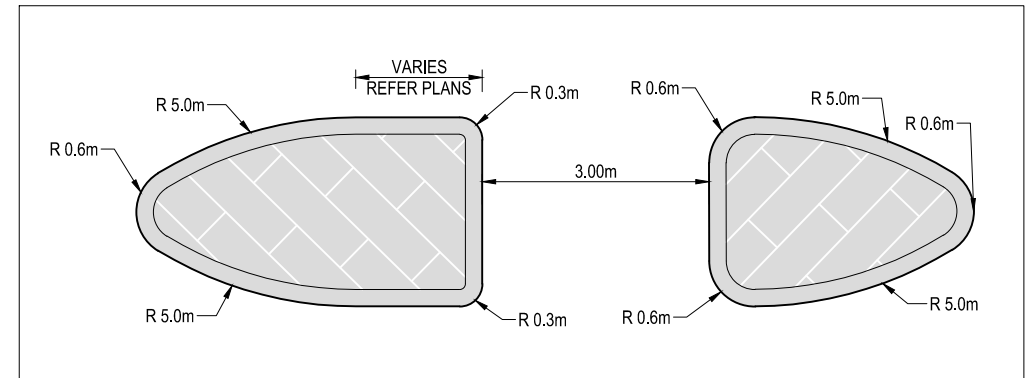
	PROPOSED PAVEMENT - REFER DETAIL (OR PAVEMENT TO MATCH EXISTING PAVEMENT PROFILE)
	PROPOSED CONCRETE RAISED MEDIAN.
	PROPOSED 'BRICK N PAVE' STAMPED ASPHALT. OR ARTISTIC TREATMENT TO BE APPROVED BY DIRECTOR INFRASTRUCTURE SERVICES.
	PROPOSED VEGETATION
	EXISTING FOOTPATH
	CONTROL LINE
	REINFORCED CONCRETE FOOTPATH REFER B.S.C. DRG. R-07B.
	PROPOSED EDGE RESTRAINT KERB 'ER1'. REFER BYRON SHIRE COUNCIL DRG. NO. R-03C
	PROPOSED BARRIER KERB & CHANNEL TYPE 'B1' (450 CHANNEL) REFER BYRON SHIRE COUNCIL DRG. NO. R-03C
	PROPOSED SEMI-MOUNTABLE KERB 'SM3'. REFER BYRON SHIRE COUNCIL DRG. NO. R-03C
	KERB RAMP REFER B.S.C STD. DRG. NO. R-04C
	EXISTING SURFACE CONTOURS
	STAGE BOUNDARY

ROADWORKS NOTES

1. GEOTECHNICAL TESTING FOR PAVEMENT CONSTRUCTION IS TO BE CARRIED OUT IN ACCORDANCE WITH BYRON SHIRE COUNCIL STANDARDS. TEST CERTIFICATES ARE TO BE PREPARED BY A REGISTERED N.A.T.A. LABORATORY AT THE CONTRACTOR'S COST AND SHALL BE PROVIDED TO THE ENGINEER PROGRESSIVELY THROUGH THE WORKS. THE CONTRACTOR IS TO NOTIFY THE ENGINEER OF ANY NON-CONFORMANCES. ALL NON CONFORMING WORK IS TO BE RECTIFIED AS DIRECTED BY THE ENGINEER.
2. PAVEMENT THICKNESSES NOMINATED ON THESE DRAWINGS ARE PROVISIONAL. FOUR DAY SOAKED CBR VALUES SHALL BE TAKEN OF THE INSITU SUBGRADE (AT THE UNDERSIDE OF THE NOMINATED LOWER SUBBASE COURSE WITHIN FILL AREAS, AND TO THE UNDERSIDE OF THE NOMINATED UPPER SUBBASE COURSE WITHIN CUT AREAS) TESTING IS TO BE CARRIED OUT BY A REGISTERED N.A.T.A. LABORATORY AT THE CONTRACTORS COST AND SHALL BE PROVIDED TO THE ENGINEER FOR FINALISATION OF PAVEMENT DESIGN (CONTRACTOR IS TO ALLOW 3 WORKING DAYS FOR ENGINEER'S RESPONSE).
3. UNLESS SPECIFIED DIFFERENTLY BY THE RELEVANT LOCAL AUTHORITY, THE MINIMUM COMPACTION REQUIREMENTS SHALL BE:
 - SUBGRADE: 100% STANDARD COMPACTION
 - SUBGRADE REPLACEMENT MATERIAL - 95% MODIFIED COMPACTION
 - SUB-BASE - 95% MODIFIED COMPACTION
 - BASE - 98% MODIFIED COMPACTION
4. THE CONTRACTOR IS TO PROVIDE COMPACTION TESTS ON SUBGRADE, SUBGRADE REPLACEMENT, SUB-BASE AND BASE LAYERS AT A FREQUENCY OF ONE (1) TEST PER 100 METRES FOR ROADWAY OR ONE (1) TEST PER 500m² FOR CAR PARKS.
5. FULL DEPTH PAVEMENT CONSTRUCTION SHALL EXTEND BEHIND ALL KERB AND KERB AND CHANNEL FOR A DISTANCE WHICH IS THE GREATER OF 150mm FROM THE BACK OF KERB OR ACROSS TO THE OUTER LIMIT OF SIDE DRAIN FILTER MATERIAL.
6. KERB / KERB AND CHANNEL TRANSITIONS ARE TO BE MADE SMOOTHLY OVER MIN. 1.0m LENGTH.
7. KERB SETOUT IS TO FACE OF BARRIER KERB, FACE OF SEMI-MOUNTABLE KERB, LIP OF BARRIER KERB & CHANNEL & LIP OF CONCRETE CHANNEL.
8. SUBSOIL DRAINAGE TO BE PROVIDED BENEATH ALL BARRIER KERB AND EDGE RESTRAINT KERB. SUBSOIL DRAINAGE TO BE PROVIDED BENEATH ALL SM3 KERB UNLESS KERB IS PLACED ON EXISTING ASPHALT. REFER BYRON SHIRE COUNCIL STANDARD DRAWING R-09 FOR DETAIL.
9. FOR SETOUT REFER TO CONSULTING ENGINEER FOR DIGITAL DATA.

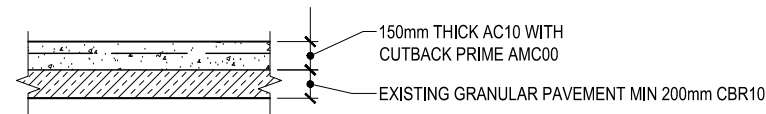
ISSUED FOR
CONSTRUCTION

CONTRACTOR TO DETERMINE AND
LOCATE ALL EXISTING SERVICES PRIOR
TO COMMENCEMENT OF WORKS



TYPICAL ISLAND DETAIL

1:50 AT A1
1:100 AT A3
SCALE: 1:50 AT A1
0 1 2 3 4 5m

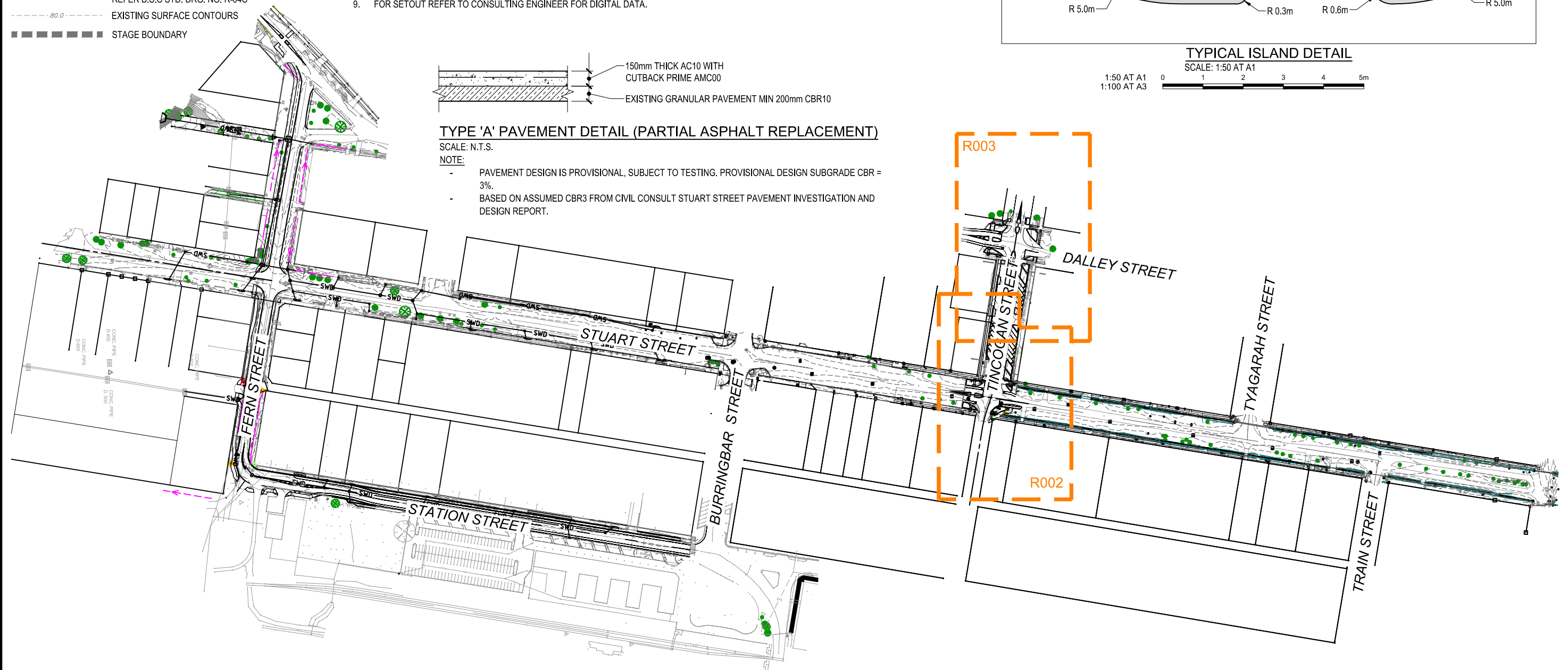


TYPE 'A' PAVEMENT DETAIL (PARTIAL ASPHALT REPLACEMENT)

SCALE: N.T.S.

NOTE:

- PAVEMENT DESIGN IS PROVISIONAL, SUBJECT TO TESTING. PROVISIONAL DESIGN SUBGRADE CBR = 3%.
- BASED ON ASSUMED CBR3 FROM CIVIL CONSULT STUART STREET PAVEMENT INVESTIGATION AND DESIGN REPORT.



A	09-07-21	ISSUED FOR 90% CONSTRUCTION
ISSUE No.	DATE	AMENDMENT



CLIENT	BYRON SHIRE COUNCIL
PROJECT	MULLUMBIMBY STREETScape UPGRADES MULLUMBIMBY, NSW, 2482

DESIGN	DRAWN	APPROVED
AR	AR	TP
T.P.PURDON - CPEng NER		
09-07-21		
SIGNED	DATE	

TITLE	2833 - TINCogan STREET STAGE 1 ROADWORKS KEY PLAN
SCALE	1:1500 AT A1 1:3000 AT A3
0 50 100 150m	

PROJECT NO.	OSK5378
DWG NO.	R001
ISSUE	A

ROADWORKS LEGEND

- PROPOSED PAVEMENT - REFER DETAIL (OR PAVEMENT TO MATCH EXISTING PAVEMENT PROFILE)
- PROPOSED CONCRETE RAISED MEDIAN.
- PROPOSED 'BRICK N PAVE' STAMPED ASPHALT. OR ARTISTIC TREATMENT TO BE APPROVED BY DIRECTOR INFRASTRUCTURE SERVICES.
- PROPOSED VEGETATION
- EXISTING FOOTPATH
- CONTROL LINE
- REINFORCED CONCRETE FOOTPATH REFER B.S.C. DRG. R-07B.
- ER PROPOSED EDGE RESTRAINT KERB 'ER1'. REFER BYRON SHIRE COUNCIL DRG. NO. R-03C
- BKC PROPOSED BARRIER KERB & CHANNEL TYPE 'B1' (450 CHANNEL) REFER BYRON SHIRE COUNCIL DRG. NO. R-03C
- SM3 PROPOSED SEMI-MOUNTABLE KERB 'SM3'. REFER BYRON SHIRE COUNCIL DRG. NO. R-03C
- KERB RAMP REFER B.S.C STD. DRG. NO. R-04C
- EXISTING SURFACE CONTOURS
- STAGE BOUNDARY

CADASTRAL MARKS STATUS LEGEND

NO SURVEY MARKS ARE TO BE IMPACTED WITHOUT APPROVAL FROM PROJECT MANAGER.

- SURVEY BENCHMARK
- PERMANENT SURVEY BENCHMARK
- DRILL HOLE AND WING
- GALVANIZED IRON PIPE
- SAFE
- VULNERABLE
- TO BE DESTROYED

EXISTING FEATURES LEGEND

- EXISTING TREE
- EXISTING POWER POLE
- EXISTING TELSTRA PIT
- EXISTING WATER HYDRANT
- EXISTING WATER VALVE
- EXISTING STORMWATER MANHOLE
- EXISTING STORMWATER INLET

WARNING

EXISTING OVERHEAD POWER LINES EXIST ON SITE.

PROPOSED 1.5m LONG HOLDING RAIL TO BE INSTALLED

PROPOSED BOLLARD AS PER IPWEA STD DRG GS-042

EXISTING HOLDING RAIL TO REMAIN

PROPOSED LIGHT POLE

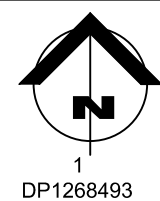
STREET

STUART

TINCOGAN STREET

STUART STREET

STUART STREET



ISSUED FOR CONSTRUCTION

CONTRACTOR TO DETERMINE AND LOCATE ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS

CONTINUED ON SHEET 2

STAGE 2
STAGE 1

CADASTRAL MARK GALVANIZED IRON PIPE DP338490 (SAFE)

INSTALL 1.5m LONG HOLDING RAILS EITHER SIDE OF GUTTER BRIDGE

INSTALL HEELGUARD GUTTER BRIDGE 1.2m W x 1.1m L.

PROPOSED LIGHT POLE

TOTAL AREA OF PROPOSED PAVEMENT

1 DP338490

CADASTRAL MARK DRILL HOLE AND WING DP1138286 (SAFE)

SP66571

INSTALL 1.5m LONG HOLDING RAILS EITHER SIDE OF GUTTER BRIDGE

INSTALL HEELGUARD GUTTER BRIDGE 1.2m W x 1.1m L.

SECTION 2
1:30 AT A1

SECTION 1
1:30 AT A1
1:60 AT A3



CLIENT BYRON SHIRE COUNCIL

PROJECT MULLUMBIMBY STREETScape UPGRADES
MULLUMBIMBY, NSW, 2482

DESIGN AR
DRAWN AR
APPROVED TP
T.P.PURDON - CPEng NER
09-07-21
SIGNED DATE

TITLE 2833 - TINCOGAN STREET STAGE 1
ROADWORKS PLAN SHEET 1 OF 2
SCALE 1:125 AT A1
1:250 AT A3

PROJECT NO. OSK5378
DWG NO. R002
ISSUE A

ISSUE No.	DATE	AMENDMENT
A	09-07-21	ISSUED FOR 90% CONSTRUCTION

ROADWORKS LEGEND

	PROPOSED PAVEMENT - REFER DETAIL (OR PAVEMENT TO MATCH EXISTING PAVEMENT PROFILE)
	PROPOSED CONCRETE RAISED MEDIAN.
	PROPOSED 'BRICK N PAVE' STAMPED ASPHALT. OR ARTISTIC TREATMENT TO BE APPROVED BY DIRECTOR INFRASTRUCTURE SERVICES.
	PROPOSED VEGETATION
	EXISTING FOOTPATH
	CONTROL LINE
	REINFORCED CONCRETE FOOTPATH REFER B.S.C. DRG. R-07B.
	PROPOSED EDGE RESTRAINT KERB 'ER1'. REFER BYRON SHIRE COUNCIL DRG. NO. R-03C
	PROPOSED BARRIER KERB & CHANNEL TYPE 'B1' (450 CHANNEL) REFER BYRON SHIRE COUNCIL DRG. NO. R-03C
	PROPOSED SEMI-MOUNTABLE KERB 'SM3'. REFER BYRON SHIRE COUNCIL DRG. NO. R-03C
	KERB RAMP REFER B.S.C. STD. DRG. NO. R-04C
	EXISTING SURFACE CONTOURS
	STAGE BOUNDARY

CADASTRAL MARKS STATUS LEGEND

NO SURVEY MARKS ARE TO BE IMPACTED WITHOUT APPROVAL FROM PROJECT MANAGER.

	SURVEY BENCHMARK
	PERMANENT SURVEY BENCHMARK
	DRILL HOLE AND WING
	GALVANIZED IRON PIPE
	SAFE
	VULNERABLE
	TO BE DESTROYED

EXISTING FEATURES LEGEND

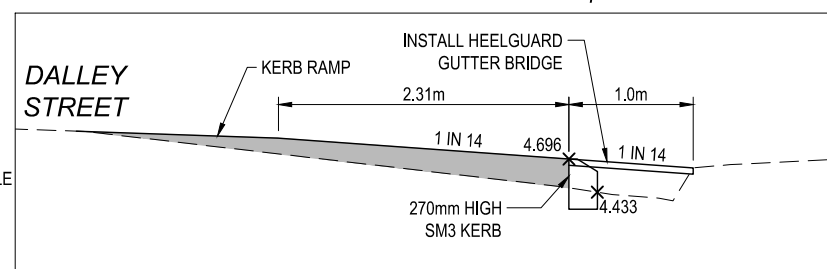
	EXISTING TREE
	EXISTING POWER POLE
	EXISTING TELSTRA PIT
	EXISTING WATER HYDRANT
	EXISTING WATER VALVE
	EXISTING STORMWATER MANHOLE
	EXISTING STORMWATER INLET

WARNING

EXISTING OVERHEAD POWER LINES EXIST ON SITE.

ISSUED FOR CONSTRUCTION

8
DP7558725



SECTION 1
1:30 AT A1

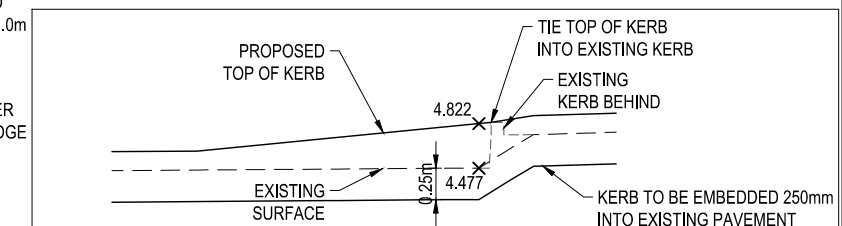
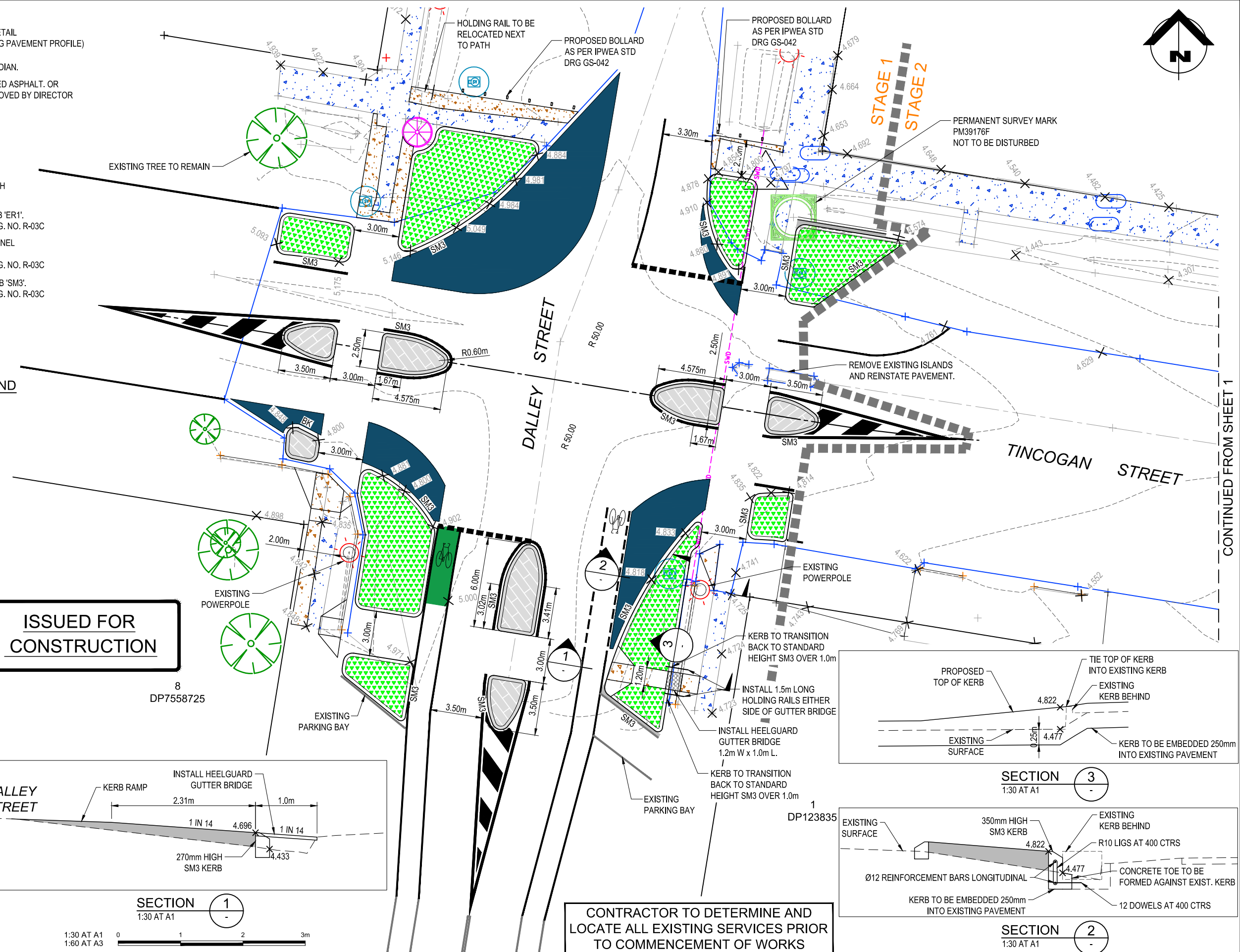
1:30 AT A1
1:60 AT A3



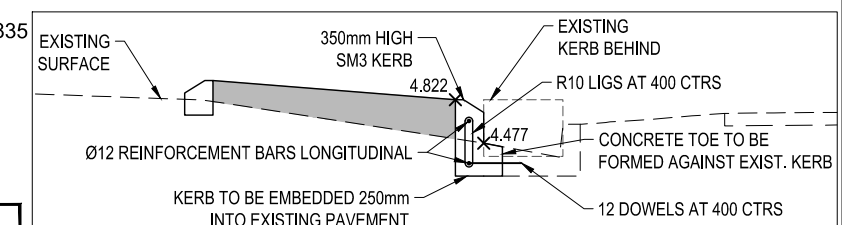
CLIENT
BYRON SHIRE COUNCIL
PROJECT
MULLUMBIMBY STREETScape UPGRADES
MULLUMBIMBY, NSW, 2482

DESIGN
AR
DRAWN
AR
APPROVED
TP
T.P.PURDON - CPEng NER
09-07-21
SIGNED
DATE

TITLE
2833 - TINCogan STREET STAGE 1
ROADWORKS PLAN SHEET 2 OF 2
SCALE
1:125 AT A1
1:250 AT A3
PROJECT NO.
OSK5378
DWG NO.
R003
ISSUE
A



SECTION 3
1:30 AT A1



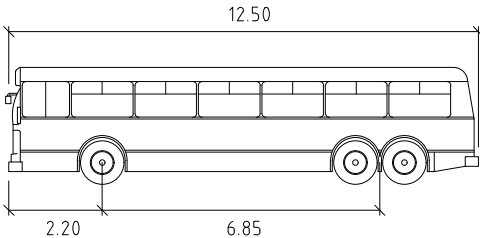
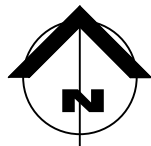
SECTION 2
1:30 AT A1

CONTRACTOR TO DETERMINE AND LOCATE ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS

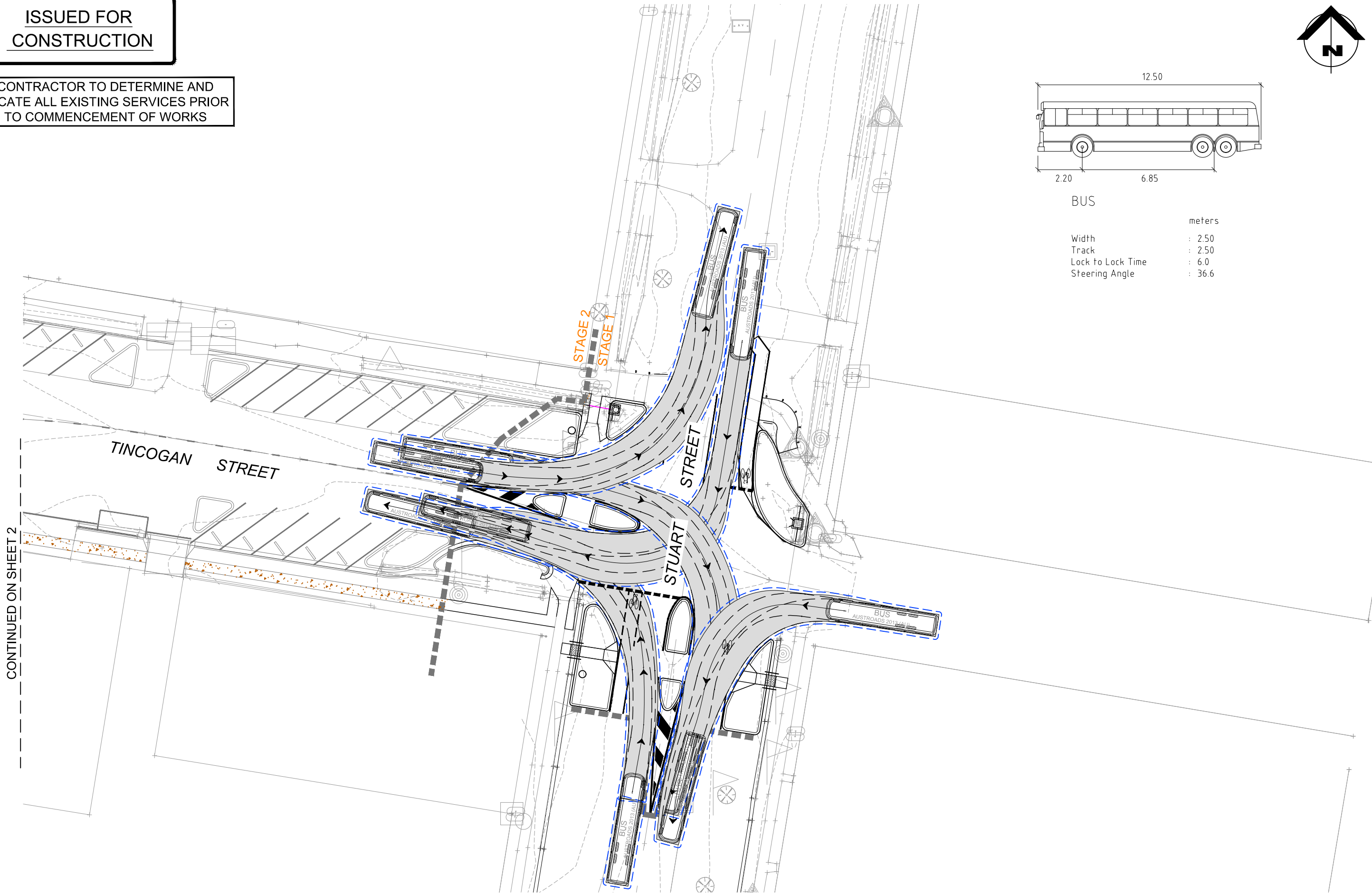
CONTINUED FROM SHEET 1

ISSUED FOR
CONSTRUCTION

CONTRACTOR TO DETERMINE AND
LOCATE ALL EXISTING SERVICES PRIOR
TO COMMENCEMENT OF WORKS



BUS		metres
Width	:	2.50
Track	:	2.50
Lock to Lock Time	:	6.0
Steering Angle	:	36.6



A	09-07-21	ISSUED FOR 90% CONSTRUCTION
ISSUE No.	DATE	AMENDMENT



CLIENT	BYRON SHIRE COUNCIL
PROJECT	MULLUMBIMBY STREETScape UPGRADES MULLUMBIMBY, NSW, 2482

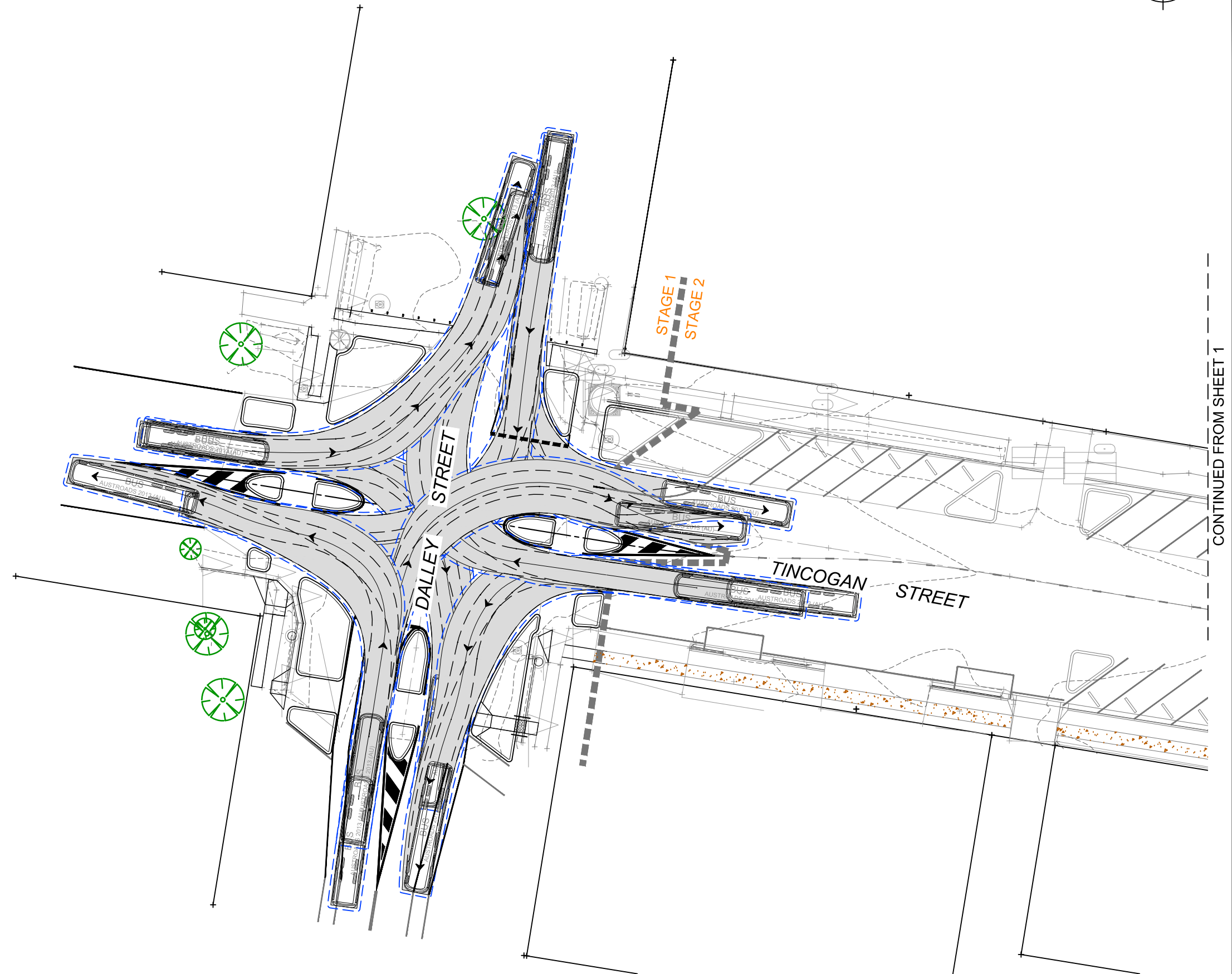
DESIGN	DRAWN	APPROVED
AR	AR	TP
T.P.PURDON - CPEng NER		
SIGNED		09-07-21 DATE

TITLE	2833 - TINCogan STREET TURNING PATH PLAN SHEET 1 OF 2
SCALE	1:200 AT A1 1:400 AT A3

PROJECT NO.	OSK5378
DWG NO.	R004
ISSUE	A

ISSUED FOR
CONSTRUCTION

CONTRACTOR TO DETERMINE AND
LOCATE ALL EXISTING SERVICES PRIOR
TO COMMENCEMENT OF WORKS



CONTINUED FROM SHEET 1

A	09-07-21	ISSUED FOR 90% CONSTRUCTION
ISSUE No.	DATE	AMENDMENT



CLIENT BYRON SHIRE COUNCIL
PROJECT MULLUMBIMBY STREETScape UPGRADES MULLUMBIMBY, NSW, 2482


DESIGN AR	DRAWN AR	APPROVED TP
T.P.PURDON - CPEng NER		
09-07-21		
SIGNED	DATE	


TITLE	
2833 - TINCOGAN STREET	
TURNING PATH PLAN SHEET 2 OF 2	
SCALE	
1:200 AT A1	0 5 10 15 20m
1:400 AT A3	

PROJECT NO.	
OSK5378	
DWG NO.	ISSUE
R005	A

LEGEND

- //——//——

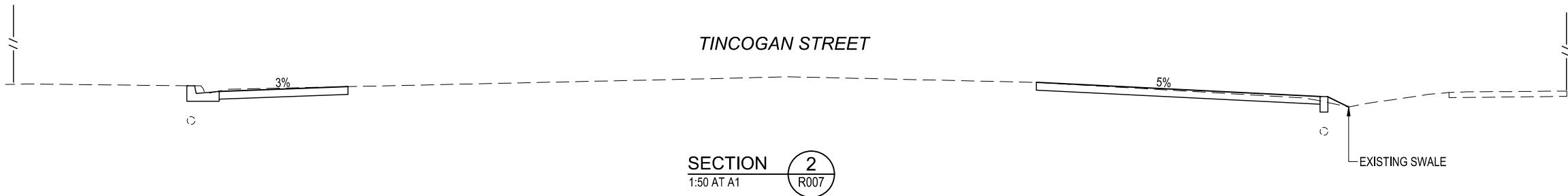
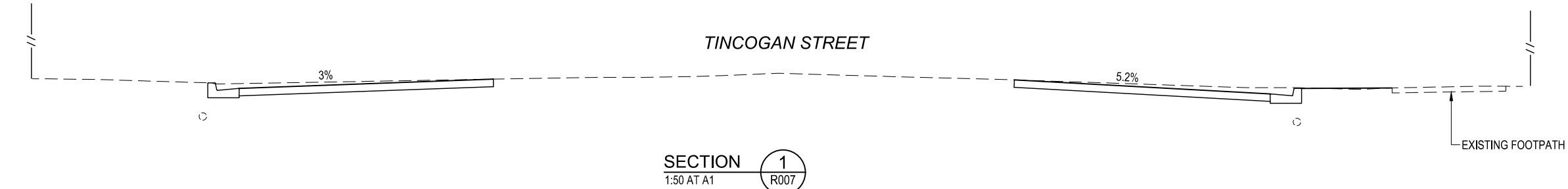
RP BOUNDARY
- EXISTING SURFACE
- PROPOSED PAVEMENT
- 

PROPOSED B1 KERB
- 

PROPOSED ER2 KERB



NOTES

REFER TO STUART STREET PAVEMENT
INVESTIGATION AND DESIGN REPORT.



ISSUED FOR
CONSTRUCTION

CONTRACTOR TO DETERMINE AND
LOCATE ALL EXISTING SERVICES PRIOR
TO COMMENCEMENT OF WORKS

				CLIENT BYRON SHIRE COUNCIL		DESIGN AR	DRAWN AR	APPROVED TP	TITLE 2833 - TINCOGAN STREET STAGE 2 TYPICAL SECTIONS	PROJECT NO. OSK5378	
				PROJECT MULLUMBIMBY STREETScape UPGRADES MULLUMBIMBY, NSW, 2482		T.P.PURDON - CPEng NER				DWG NO. R006	ISSUE A
A	09-07-21	ISSUED FOR 90% CONSTRUCTION				09-07-21			SCALE 1:50 AT A1 1:100 AT A3 		
ISSUE No.	DATE	AMENDMENT				SIGNED DATE					

ROADWORKS LEGEND

- PROPOSED PAVEMENT - REFER DETAIL (OR PAVEMENT TO MATCH EXISTING PAVEMENT PROFILE)
- PROPOSED CONCRETE RAISED MEDIAN.
- PROPOSED 'BRICK N PAVE' STAMPED ASPHALT
- PROPOSED VEGETATION
- EXISTING FOOTPATH
- CONTROL LINE
- REINFORCED CONCRETE FOOTPATH REFER B.S.C. DRG. R-07B.
- ER PROPOSED EDGE RESTRAINT KERB 'ER1'. REFER BYRON SHIRE COUNCIL DRG. NO. R-03C
- BKC PROPOSED BARRIER KERB & CHANNEL TYPE 'B1' (450 CHANNEL) REFER BYRON SHIRE COUNCIL DRG. NO. R-03C
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- KERB RAMP REFER B.S.C STD. DRG. NO. R-04C
- EXISTING SURFACE CONTOURS
- STAGE BOUNDARY

CAR PARKING
20 TOTAL CAR PARKS

CADASTRAL MARKS STATUS LEGEND

NO SURVEY MARKS ARE TO BE IMPACTED WITHOUT APPROVAL FROM PROJECT MANAGER.

- SURVEY BENCHMARK
- PERMANENT SURVEY BENCHMARK
- DRILL HOLE AND WING
- GALVANIZED IRON PIPE
- SAFE
- VULNERABLE
- TO BE DESTROYED

EXISTING FEATURES LEGEND

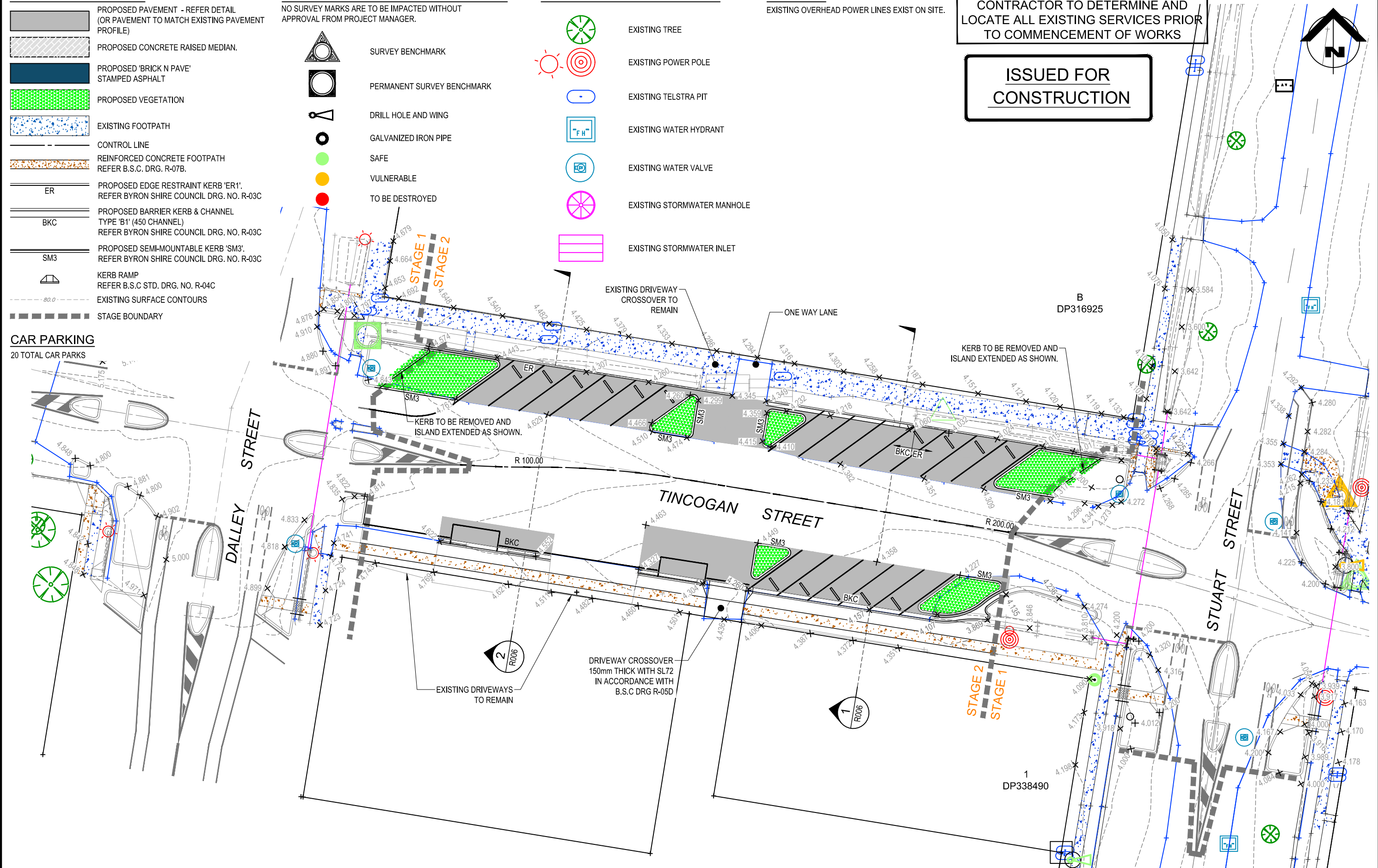
- EXISTING TREE
- EXISTING POWER POLE
- EXISTING TELSTRA PIT
- EXISTING WATER HYDRANT
- EXISTING WATER VALVE
- EXISTING STORMWATER MANHOLE
- EXISTING STORMWATER INLET

WARNING

EXISTING OVERHEAD POWER LINES EXIST ON SITE.

CONTRACTOR TO DETERMINE AND LOCATE ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS

ISSUED FOR CONSTRUCTION



ISSUE No.	DATE	AMENDMENT
A	09-07-21	ISSUED FOR 90% CONSTRUCTION



CLIENT	BYRON SHIRE COUNCIL
PROJECT	MULLUMBIMBY STREETScape UPGRADES MULLUMBIMBY, NSW, 2482

DESIGN	AR	DRAWN	AR	APPROVED	TP
T.P.PURDON - CPEng NER				09-07-21	
SIGNED				DATE	

TITLE	2833 - TINCOGAN STREET STAGE 2 ROADWORKS PLAN
SCALE	1:200 AT A1 1:400 AT A3
0 5 10 15 20m	

PROJECT NO.	OSK5378
DWG NO.	R007
ISSUE	A

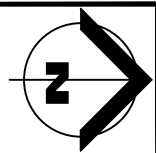
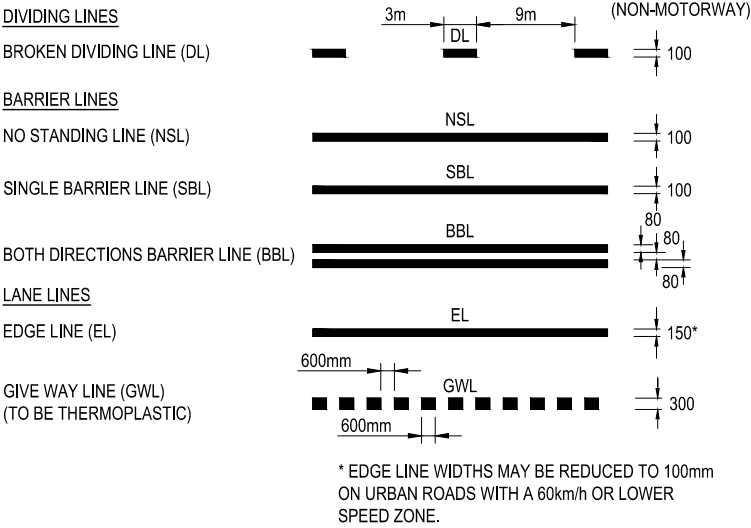
SIGNAGE LEGEND

- TRAFFIC SIGNS
- EXISTING TRAFFIC SIGNS

SIGNAGE & LINEMARKING NOTES

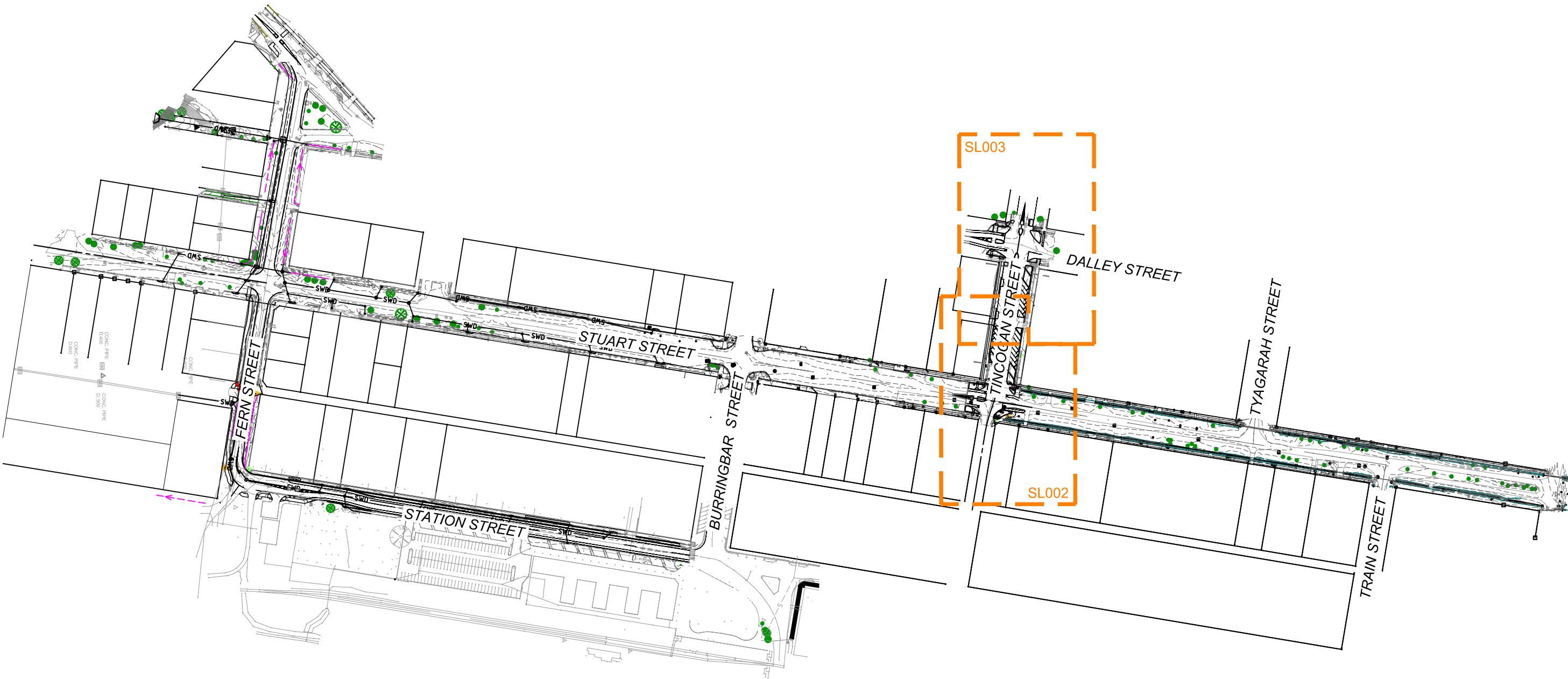
- ALL ROAD SIGNS AND LINEMARKING TO BE IN ACCORDANCE WITH AS4049.1 AND AS1742 "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD).
- DELINEATOR UNITS SHALL BE MOUNTED ON STEEL BEAM GUARDRAIL IN ACCORDANCE WITH MUTCD PART 2, SECTION 4.2.
- REFER MUTCD PART 2, SECTIONS 5.3 & 5.4 FOR DETAILS OF THE LINEMARKING STYLES SPECIFIED IN THE LINEMARKING LEGEND.
- DIAGONAL / CHEVRON MARKINGS AND PAVEMENT ARROWS TO BE IN ACCORDANCE WITH MUTCD PART 2, SECTION 5.5.
- RETROREFLECTIVE RAISED PAVEMENT MARKERS (R.R.P.M's), IF ORDERED, SHALL BE INSTALLED TO THE COLOURS AND SPACING SPECIFIED IN MUTCD PART 2, SECTION 5.6.
- REMOVAL OF EXISTING LINEMARKING SHALL BE IN ACCORDANCE WITH MUTCD PART 2, SECTION 5.2.
- EXISTING SIGNAGE IS TO BE REMOVED AND REPLACED
- REFER TO B.S.C DRG R-12A FOR SIGNAGE FOOTING DETAIL



LINEMARKING LEGEND



ISSUED FOR
CONSTRUCTION

CONTRACTOR TO DETERMINE AND
LOCATE ALL EXISTING SERVICES PRIOR
TO COMMENCEMENT OF WORKS

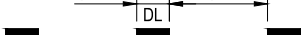
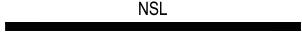
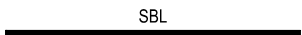





				CLIENT BYRON SHIRE COUNCIL	DESIGN AR	DRAWN AR	APPROVED TP	TITLE 2833 - TINCOGAN STREET STAGE 1 SIGNAGE & LINEMARKING KEY PLAN	PROJECT NO. OSK5378	
				PROJECT MULLUMBIMBY STREETScape UPGRADES MULLUMBIMBY, NSW, 2482	T.P.PURDON - CPEng NER			SCALE 1:1500 AT A1 1:3000 AT A3 	DWG NO. SL001	ISSUE A
A	09-07-21	ISSUED FOR 90% CONSTRUCTION					09-07-21			
ISSUE No.	DATE	AMENDMENT					SIGNED		DATE	

SIGNAGE LEGEND

- TRAFFIC SIGNS
- EXISTING TRAFFIC SIGNS

LINEMARKING LEGEND

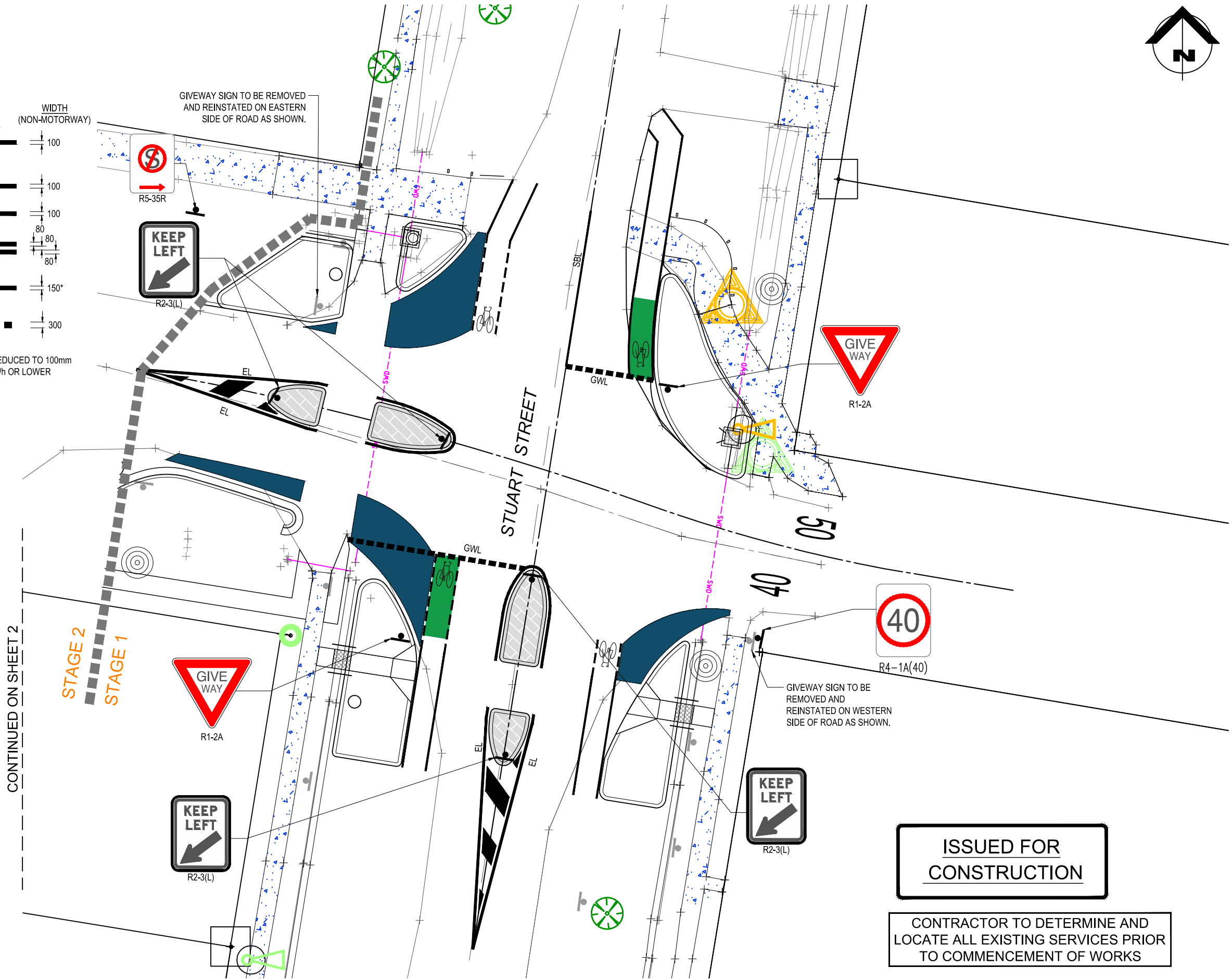
DIVIDING LINES	
BROKEN DIVIDING LINE (DL)	 100
BARRIER LINES	
NO STANDING LINE (NSL)	 100
SINGLE BARRIER LINE (SBL)	 100
BOTH DIRECTIONS BARRIER LINE (BBL)	 80
LANE LINES	
EDGE LINE (EL)	 150*
GIVE WAY LINE (GWL)	 300
(TO BE THERMOPLASTIC)	

* EDGE LINE WIDTHS MAY BE REDUCED TO 100mm ON URBAN ROADS WITH A 60km/h OR LOWER SPEED ZONE.

CADASTRAL MARKS STATUS LEGEND

NO SURVEY MARKS ARE TO BE IMPACTED WITHOUT APPROVAL FROM PROJECT MANAGER.

- SURVEY BENCHMARK
- PERMANENT SURVEY BENCHMARK
- DRILL HOLE AND WING
- GALVANIZED IRON PIPE
- SAFE
- VULNERABLE
- TO BE DESTROYED



ISSUED FOR CONSTRUCTION

CONTRACTOR TO DETERMINE AND LOCATE ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS

A	09-07-21	ISSUED FOR 90% CONSTRUCTION
ISSUE NO.	DATE	AMENDMENT



CLIENT
BYRON SHIRE COUNCIL
PROJECT
MULLUMBIMBY STREETScape UPGRADES
MULLUMBIMBY, NSW, 2482

DESIGN AR	DRAWN AR	APPROVED TP
T.P.PURDON - CPEng NER		
09-07-21		
SIGNED	DATE	

TITLE 2833 - TINGOGAN STREET STAGE 1 SIGNAGE & LINEMARKING PLAN SHEET 1 OF 2	
SCALE	1:125 AT A1 1:250 AT A3

PROJECT NO. OSK5378
DWG NO. SL002
ISSUE A

SIGNAGE LEGEND

- TRAFFIC SIGNS
- EXISTING TRAFFIC SIGNS

LINEMARKING LEGEND

DIVIDING LINES

BROKEN DIVIDING LINE (DL)

BARRIER LINES

NO STANDING LINE (NSL)

SINGLE BARRIER LINE (SBL)

BOTH DIRECTIONS BARRIER LINE (BBL)

LANE LINES

EDGE LINE (EL)

GIVE WAY LINE (GWL)
(TO BE THERMOPLASTIC)

* EDGE LINE WIDTHS MAY BE REDUCED TO 100mm ON URBAN ROADS WITH A 60km/h OR LOWER SPEED ZONE.

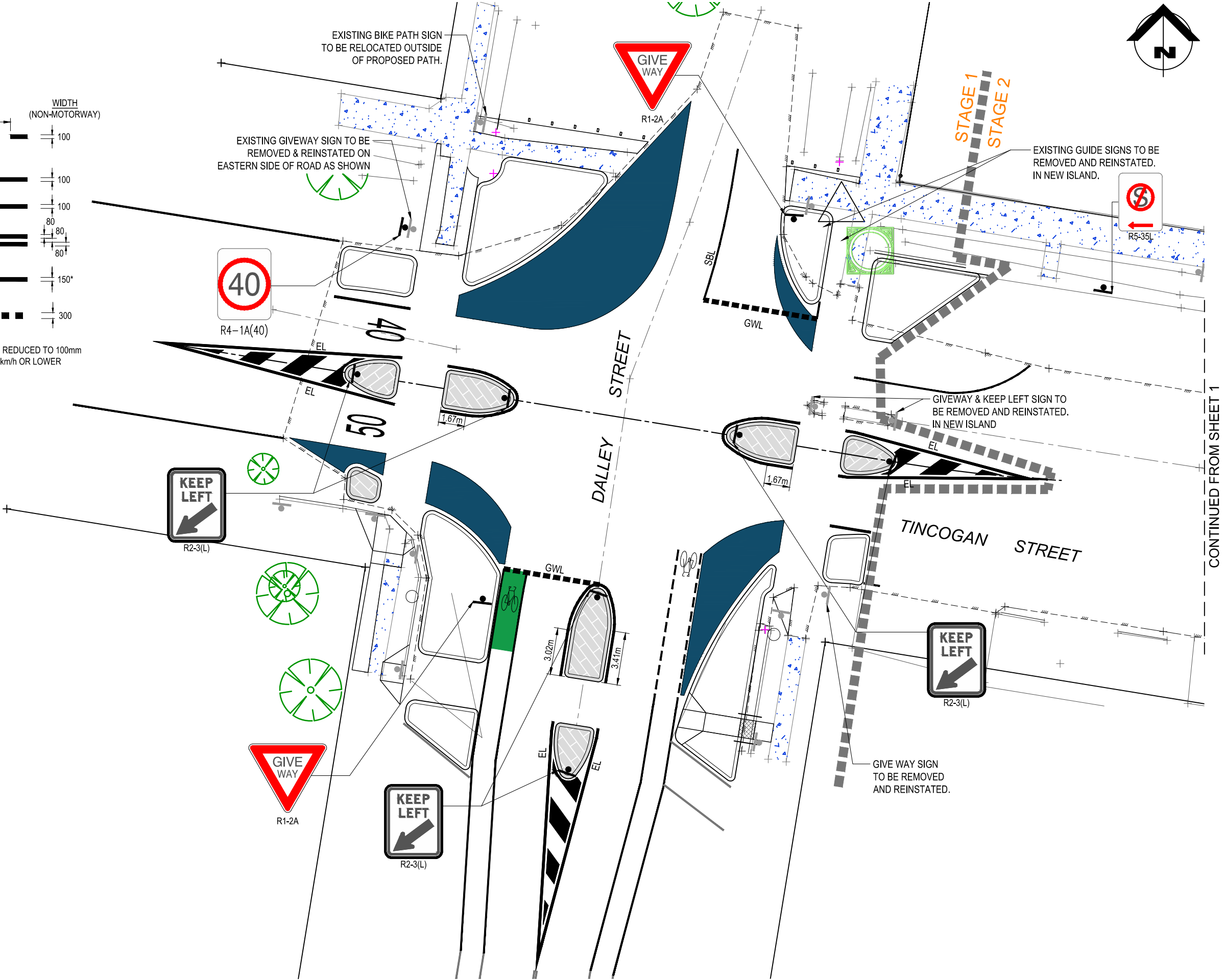
CADASTRAL MARKS STATUS LEGEND

NO SURVEY MARKS ARE TO BE IMPACTED WITHOUT APPROVAL FROM PROJECT MANAGER.


- SURVEY BENCHMARK
- PERMANENT SURVEY BENCHMARK
- DRILL HOLE AND WING
- GALVANIZED IRON PIPE
- SAFE
- VULNERABLE
- TO BE DESTROYED

ISSUED FOR
CONSTRUCTION

CONTRACTOR TO DETERMINE AND
LOCATE ALL EXISTING SERVICES PRIOR
TO COMMENCEMENT OF WORKS



CONTINUED FROM SHEET 1

				CLIENT BYRON SHIRE COUNCIL		DESIGN AR	DRAWN AR	APPROVED TP	TITLE 2833 - TINCogan STREET STAGE 1 SIGNAGE & LINEMARKING PLAN SHEET 2 OF 2		PROJECT NO. OSK5378		
				PROJECT MULLUMBIMBY STREETScape UPGRADES MULLUMBIMBY, NSW, 2482		T.P.PURDON - CPEng NER			SCALE 1:125 AT A1 1:250 AT A3		DWG NO. SL003		ISSUE A
A	09-07-21	ISSUED FOR 90% CONSTRUCTION				09-07-21							
ISSUE No.	DATE	AMENDMENT			SIGNED			DATE					

SIGNAGE LEGEND

- TRAFFIC SIGNS
- EXISTING TRAFFIC SIGNS

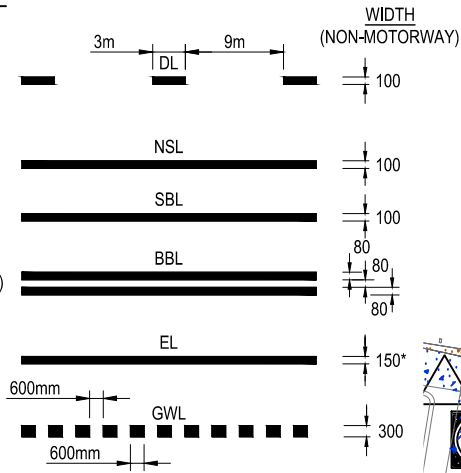
ISSUED FOR CONSTRUCTION

CAR PARKING
20 TOTAL CAR PARKS

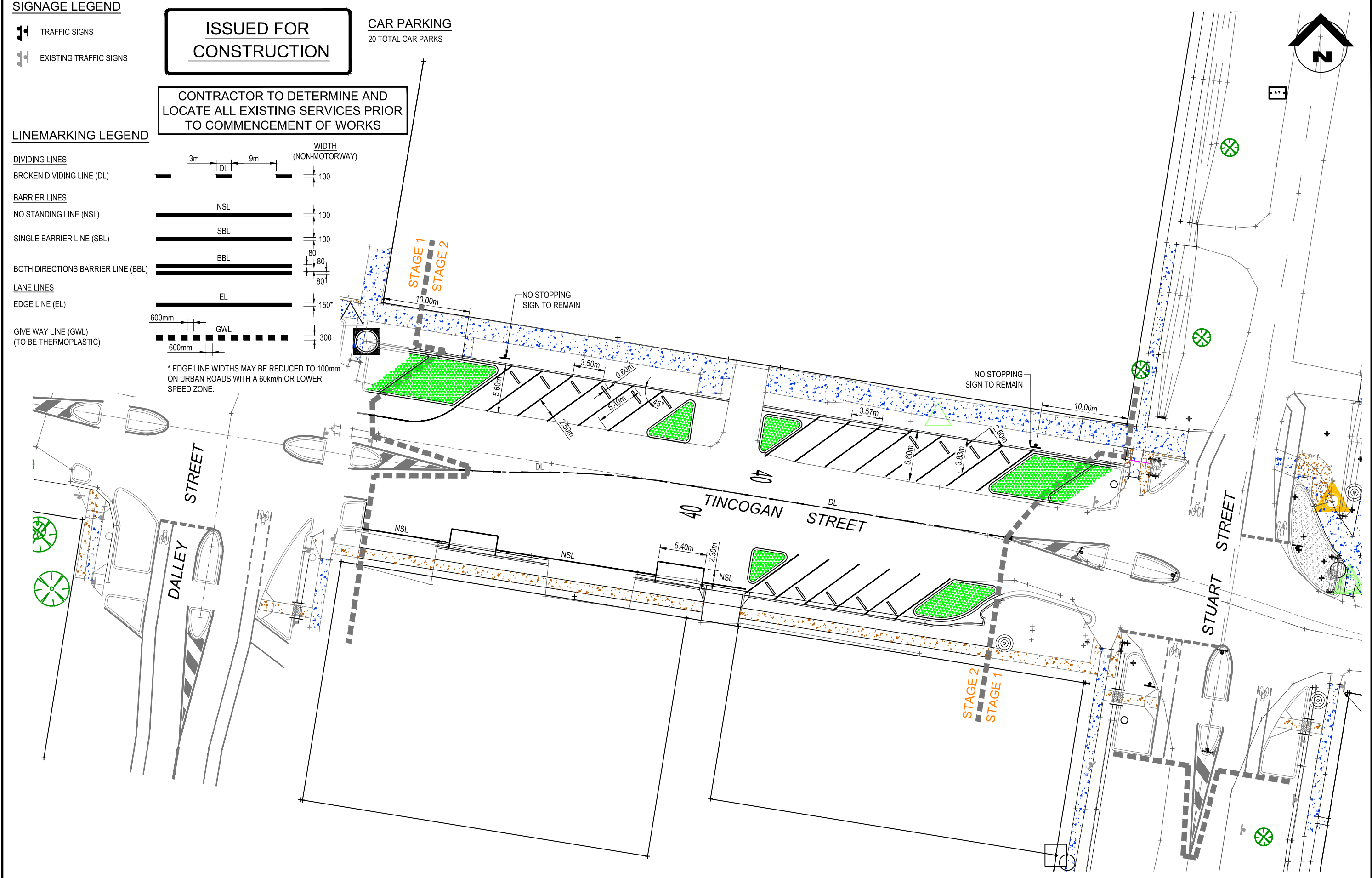
CONTRACTOR TO DETERMINE AND LOCATE ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS

LINEMARKING LEGEND

- DIVIDING LINES**
- BROKEN DIVIDING LINE (DL)
- BARRIER LINES**
- NO STANDING LINE (NSL)
- SINGLE BARRIER LINE (SBL)
- BOTH DIRECTIONS BARRIER LINE (BBL)
- LANE LINES**
- EDGE LINE (EL)
- GIVE WAY LINE (GWL)
(TO BE THERMOPLASTIC)



* EDGE LINE WIDTHS MAY BE REDUCED TO 100mm ON URBAN ROADS WITH A 60km/h OR LOWER SPEED ZONE.



A	09-07-21	ISSUED FOR 90% CONSTRUCTION
ISSUE NO.	DATE	AMENDMENT



CLIENT	BYRON SHIRE COUNCIL
PROJECT	MULLUMBIMBY STREETScape UPGRADES MULLUMBIMBY, NSW, 2482

DESIGN	DRAWN	APPROVED
AR	AR	TP
T.P.PURDON - CPEng NER		
SIGNED		09-07-21
		DATE

TITLE	2833 - TINGOGAN STREET STAGE 2 SIGNAGE & LINEMARKING PLAN
SCALE	1:200 AT A1 1:400 AT A3
0 5 10 15 20m	

PROJECT NO.	OSK5378
DWG NO.	SL006
ISSUE	A


STORMWATER DRAINAGE LEGEND

- SWD —


PROPOSED STORMWATER PIPE

--- SWD ---


EXISTING STORMWATER PIPE




PROPOSED CONCRETE FOOTPATH



EXISTING CONCRETE FOOTPATH




PROPOSED RAINGARDEN



PROPOSED VEGETATION

----- 80.0 -----

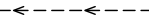
EXISTING SURFACE CONTOURS



STAGE BOUNDARY

× 00.000

EXISTING SPOT LEVEL



EXISTING SWALE

STORMWATER DRAINAGE NOTES

1.

TRENCH EXCAVATIONS FOR DRAINAGE SHALL COMPLY WITH WORK HEALTH AND SAFETY REQUIREMENTS.

2.

MAINTAIN AND PROTECT EXISTING SERVICES TO BE RETAINED.

3.

WHERE AN ALTERNATE CONSTRUCTION METHODOLOGY AND/OR PIPE CLASS IS PROPOSED BY THE CONTRACTOR, DOCUMENTATION OF SAME IS TO BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.

4.

STORMWATER STRUCTURES AND CONNECTIONS ARE TO BE AS INDICATED ON THE PLAN. ADJUSTMENTS TO THE DESIGN LAYOUT AS REQUIRED TO SUIT ACTUAL AS-CONSTRUCTED GEOMETRY SHALL REQUIRE THE ENGINEERS' APPROVAL.

5.

SPOIL MATERIAL GENERATED FROM TRENCH EXCAVATION IS TO BE DISPOSED OF AS DIRECTED BY THE SUPERINTENDENT.

6.

PIPES SHALL BE RCP, UNLESS NOTED OTHERWISE.

7.

uPVC PIPES SHALL BE CLASS SN8, UNLESS NOTED OTHERWISE. PIPES Ø600 AND UNDER ARE TO BE RUBBER RING JOINTED. PIPES GREATER THAN Ø600 ARE TO BE FLUSH JOINTED WITH EXTERNAL BANDS.

8.

ALL PIPE STUBS ARE TO BE FITTED WITH HARDBOARD PLANKS, TO SEAL OFF ENDS, PRIOR TO BACKFILLING.

9.

THE MAJORITY OF MATERIAL WON FROM PROPOSED TRENCH EXCAVATIONS SHOULD BE SUITABLE FOR REUSE AS TRENCH BACKFILL MATERIAL APART FROM ANY OVERSIZE MATERIAL. SUITABLE MATERIALS FOR BACKFILLING SHOULD GENERALLY HAVE A MAXIMUM PARTICLE SIZE NOT EXCEEDING 150mm. OVERSIZE MATERIAL IS TO BE CRUSHED TO A PARTICLE SIZE \leq 150mm PRIOR TO REUSE AS BACKFILL MATERIAL OR DISPOSED OFF SITE.

10.

ALL STORMWATER TRENCHES SHALL BE BACKFILLED IN LAYERS OF LOOSE THICKNESS APPROPRIATE TO THE TYPE OF COMPACTION EQUIPMENT BEING USED AND NOT GREATER THAN 250mm. BACKFILLING IS TO BE COMPACTED TO THE MINIMUM DRY DENSITIES SPECIFIED. THE MOISTURE CONTENT OF BACKFILL MATERIAL SHOULD BE MAINTAINED WITHIN THE RANGE OF \pm 2% OF THE OPTIMUM MOISTURE CONTENT.

11.

COMPACTION TESTING IS TO BE CARRIED OUT AT THE SPECIFIED FREQUENCY BY A N.A.T.A. REGISTERED GEOTECHNICAL TESTING AUTHORITY AT THE CONTRACTOR'S COST. THE CONTRACTOR SHALL PROVIDE DETAILS OF ALL TESTING TO THE ENGINEER PROGRESSIVELY THROUGH THE WORKS, AND NOTIFY THE ENGINEER OF ANY NON-CONFORMANCES. ALL NON CONFORMING WORK IS TO BE RECTIFIED AS DIRECTED BY THE ENGINEER.

12.

OVERLAND FLOW CHANNELS / SWALE DRAINS ARE TO BE GRADED EVENLY BETWEEN INVERT LEVELS PROVIDED.

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A	09-07-21	ISSUED FOR 90% CONSTRUCTION
ISSUE No.	DATE	AMENDMENT


CLIENT
BYRON SHIRE COUNCIL

PROJECT
MULLUMBIMBY STREETScape UPGRADES
MULLUMBIMBY, NSW, 2482

DESIGN TP	DRAWN EG	APPROVED TP
T.P.PURDON - CPEng NER		
SIGNED		09-07-21 DATE

TITLE
2833 - TINCogan STREET STAGE 1
SERVICE ALTERATION KEY PLAN

SCALE
1:1500 AT A1
1:3000 AT A3



PROJECT NO. OSK5378	
DWG NO. SW001	ISSUE A

STORMWATER DRAINAGE LEGEND

- SWD — PROPOSED STORMWATER PIPE
- - - SWD - - - EXISTING STORMWATER PIPE
- PROPOSED CONCRETE FOOTPATH
- EXISTING CONCRETE FOOTPATH
- PROPOSED RAINGARDEN
- PROPOSED VEGETATION
- 80.0 - EXISTING SURFACE CONTOURS
- STAGE BOUNDARY
- x 00.000 EXISTING SPOT LEVEL
- EXISTING SWALE

CADASTRAL MARKS STATUS LEGEND

NO SURVEY MARKS ARE TO BE IMPACTED WITHOUT APPROVAL FROM PROJECT MANAGER.

- SURVEY BENCHMARK
- PERMANENT SURVEY BENCHMARK
- DRILL HOLE AND WING
- GALVANIZED IRON PIPE
- SAFE
- VULNERABLE
- TO BE DESTROYED

EXISTING FEATURES LEGEND

- EXISTING TREE
- EXISTING POWER POLE
- EXISTING TELSTRA PIT
- EXISTING WATER HYDRANT
- EXISTING WATER VALVE
- EXISTING STORMWATER MANHOLE
- EXISTING STORMWATER INLET

WARNING
EXISTING OVERHEAD POWER LINES EXIST ON SITE.

ISSUED FOR
CONSTRUCTION

CONTRACTOR TO DETERMINE AND LOCATE ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS

A	09-07-21	ISSUED FOR 90% CONSTRUCTION
ISSUE No.	DATE	AMENDMENT



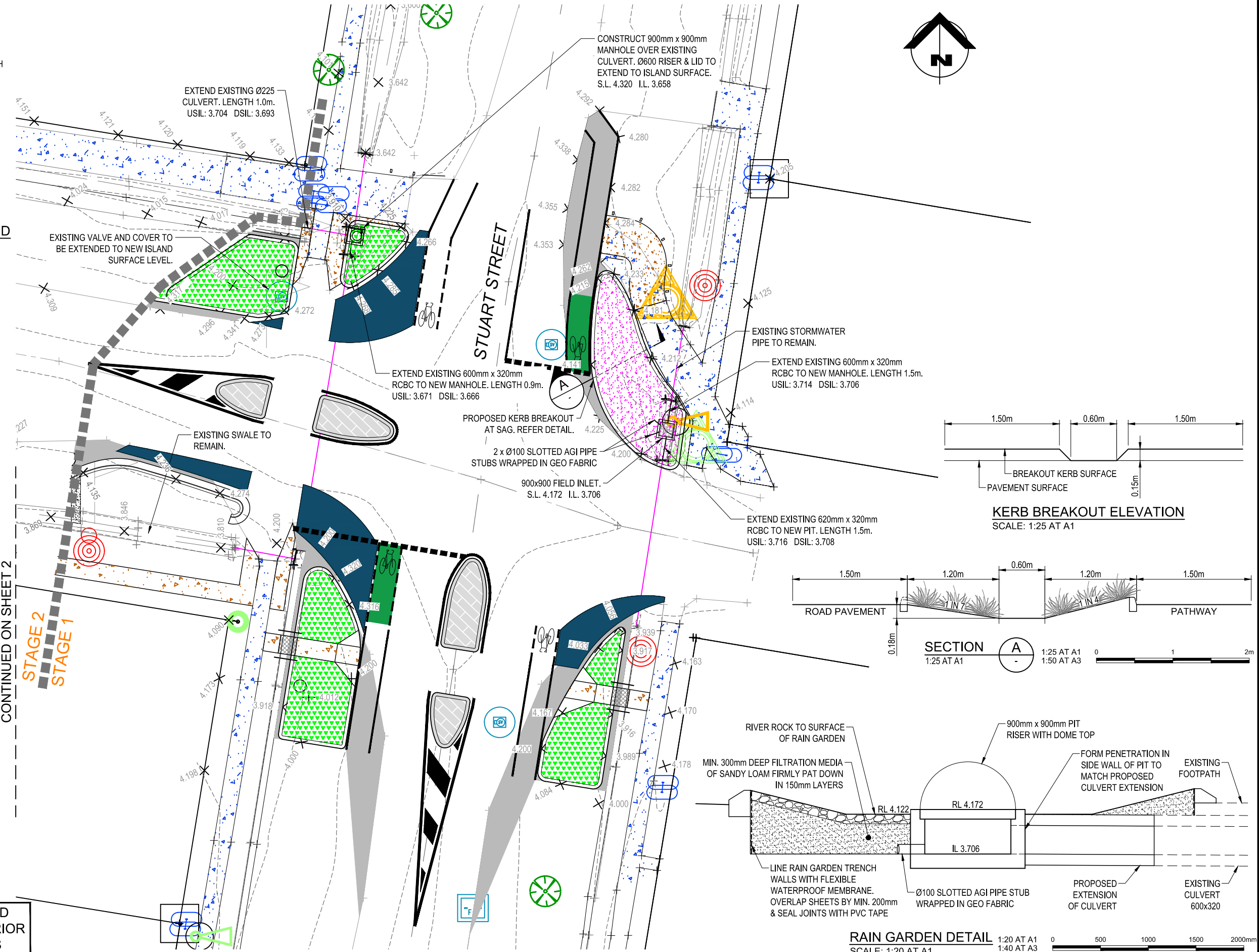
CLIENT
BYRON SHIRE COUNCIL

PROJECT
MULLUMBIMBY STREETScape UPGRADES
MULLUMBIMBY, NSW, 2482

DESIGN TP	DRAWN AR	APPROVED TP
T.P.PURDON - CPEng NER		
SIGNED		09-07-21 DATE

TITLE 2833 - TINGOGAN STREET STAGE 1 SERVICE ALTERATION PLAN SHEET 1 OF 2	
SCALE 1:125 AT A1 1:250 AT A3	

PROJECT NO. OSK5378	
DWG NO. SW002	ISSUE A



STORMWATER DRAINAGE LEGEND

- SWD — PROPOSED STORMWATER PIPE
- - - SWD - - - EXISTING STORMWATER PIPE
- [Pattern] PROPOSED CONCRETE FOOTPATH
- [Pattern] EXISTING CONCRETE FOOTPATH
- [Pattern] PROPOSED RAINGARDEN
- [Pattern] PROPOSED VEGETATION
- - - 80.0 - - - EXISTING SURFACE CONTOURS
- STAGE BOUNDARY
- x 00.000 EXISTING SPOT LEVEL
- - - - - EXISTING SWALE

CADASTRAL MARKS STATUS LEGEND

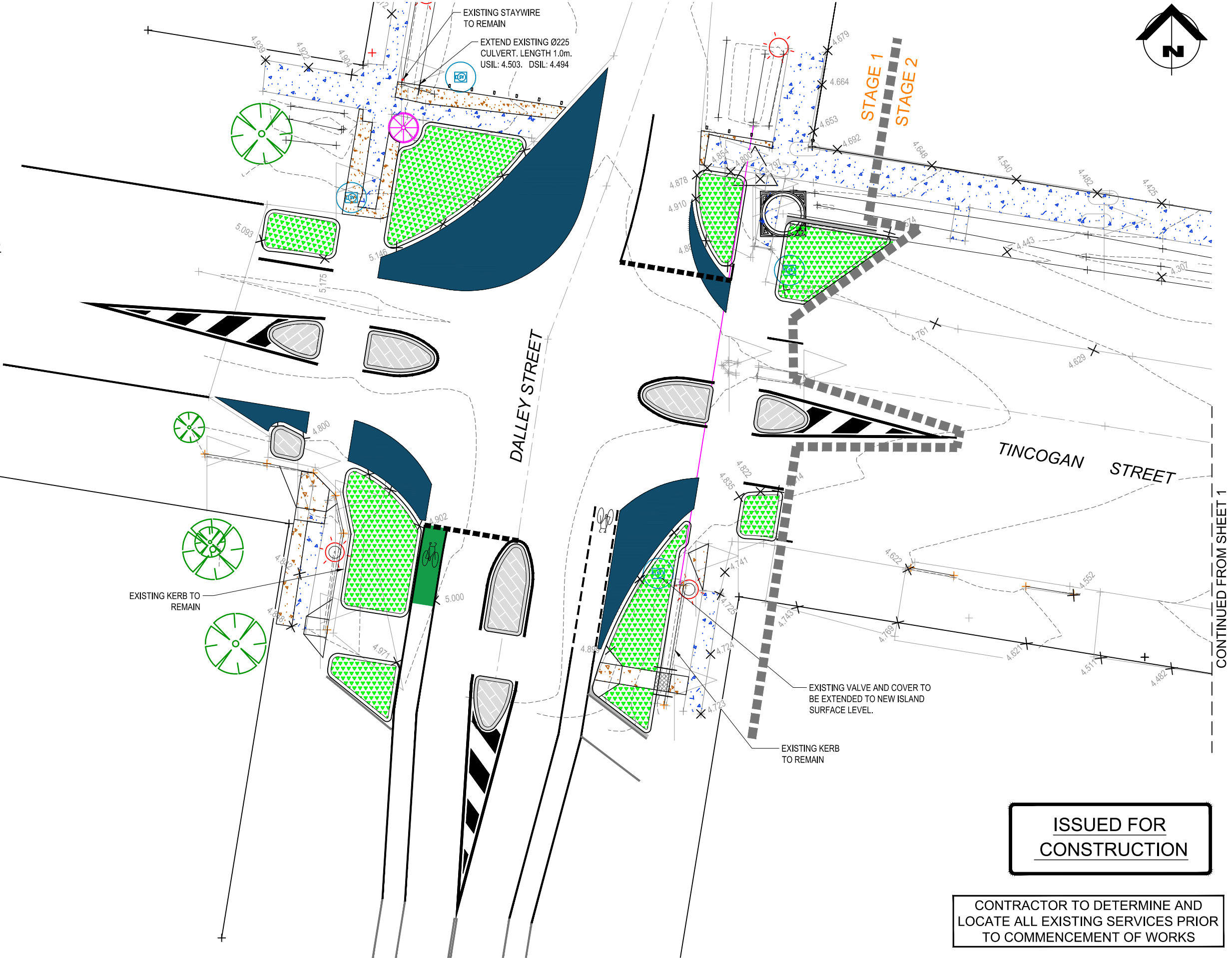
NO SURVEY MARKS ARE TO BE IMPACTED WITHOUT APPROVAL FROM PROJECT MANAGER.

- [Symbol] SURVEY BENCHMARK
- [Symbol] PERMANENT SURVEY BENCHMARK
- [Symbol] DRILL HOLE AND WING
- [Symbol] GALVANIZED IRON PIPE
- [Symbol] SAFE
- [Symbol] VULNERABLE
- [Symbol] TO BE DESTROYED

EXISTING FEATURES LEGEND

- [Symbol] EXISTING TREE
- [Symbol] EXISTING POWER POLE
- [Symbol] EXISTING TELSTRA PIT
- [Symbol] EXISTING WATER HYDRANT
- [Symbol] EXISTING WATER VALVE
- [Symbol] EXISTING STORMWATER MANHOLE
- [Symbol] EXISTING STORMWATER INLET

WARNING
EXISTING OVERHEAD POWER LINES EXIST ON SITE.



ISSUED FOR CONSTRUCTION

CONTRACTOR TO DETERMINE AND LOCATE ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS

A	09-07-21	ISSUED FOR 90% CONSTRUCTION
ISSUE No.	DATE	AMENDMENT



CLIENT	BYRON SHIRE COUNCIL
PROJECT	MULLUMBIMBY STREETScape UPGRADES MULLUMBIMBY, NSW, 2482

DESIGN	DRAWN	APPROVED
TP	AR	TP
T.P.PURDON - CPEng NER		
SIGNED		09-07-21
		DATE

TITLE	2833 - TINCogan STREET STAGE 1 SERVICE ALTERATION PLAN SHEET 2 OF 2	
SCALE	1:125 AT A1 1:250 AT A3	

PROJECT NO.	OSK5378
DWG NO.	SW003
ISSUE	A

