

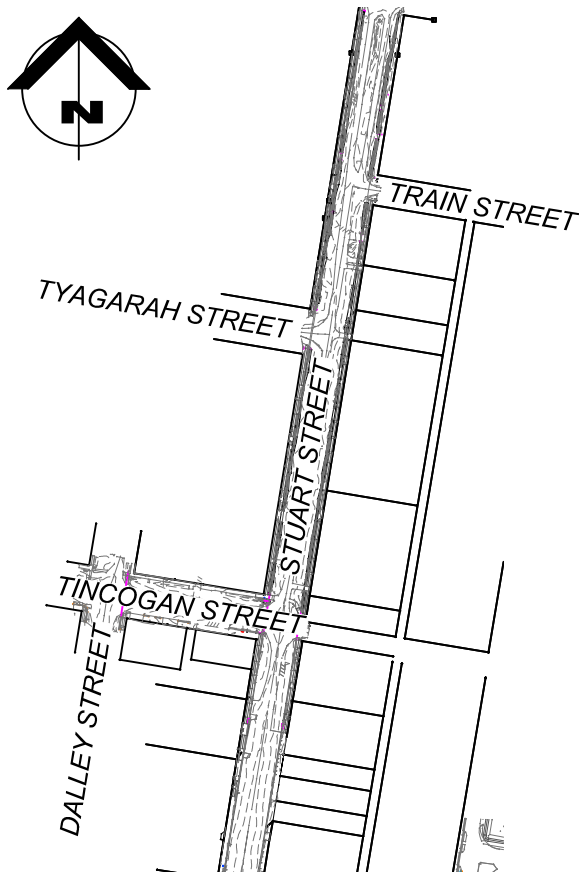
# MULLUMBIMBY STREETSCAPE UPGRADES, TINCOGAN STREET MULLUMBIMBY, NSW, 2482

## 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                                                |
|--------------------------------|--------------------------------------------------------------|
| <b>COVER SHEET</b>             |                                                              |
| 000                            | 2833 - TINCOGAN STREET COVER SHEET, SITE PLAN, LOCALITY PLAN |
| <b>ROADWORKS</b>               |                                                              |
| 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                                       |
| <b>SERVICE ALTERATIONS</b>     |                                                              |
| 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                              |
| <b>SIGNS &amp; LINEMARKING</b> |                                                              |
| 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              |
| <del>SL004</del>               | <del>INTERIM LINEMARKING PLAN SHEET 1 OF 2</del>             |
| <del>SL005</del>               | <del>INTERIM LINEMARKING PLAN SHEET 2 OF 2</del>             |
| SL006                          | STAGE 2 SIGNS AND LINEMARKING PLAN                           |

## RELEVANT STANDARD DRAWINGS

CURRENT ISSUES APPLY ONLY

## ROADWORKS INDEX

### BYRON SHIRE COUNCIL

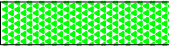
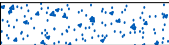
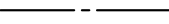
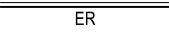
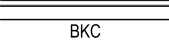
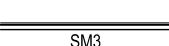
|        |                                                                                                |
|--------|------------------------------------------------------------------------------------------------|
| R-03C  | KERB & GUTTER AND EDGE RESTRAINT PROFILES                                                      |
| 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<br>BYRON SHIRE COUNCIL                                         |                        | DESIGN<br>AR | DRAWN<br>AR | APPROVED<br>TP | TITLE<br>2833 - TINCOGAN STREET<br>COVER SHEET, SITE PLAN, LOCALITY PLAN<br>AND SCHEDULE OF DRAWINGS | PROJECT NO.<br>OSK5378                 |                |            |
|           |          |                             |                                                                                      | PROJECT<br>MULLUMBIMBY STREETSCAPE UPGRADES<br>MULLUMBIMBY, NSW, 2482 | T.P.PURDON - CPEng NER |              |             | 09-07-21       |                                                                                                      | SCALE<br>1:5000 AT A1<br>1:10000 AT A3 | DWG NO.<br>000 | ISSUE<br>A |
| A         | 09-07-21 | ISSUED FOR 90% CONSTRUCTION |                                                                                      |                                                                       |                        |              |             |                |                                                                                                      |                                        |                |            |
| ISSUE No. | DATE     | AMENDMENT                   |                                                                                      |                                                                       |                        |              | SIGNED      | DATE           |                                                                                                      |                                        |                |            |
|           |          |                             |                                                                                      |                                                                       |                        |              |             |                |                                                                                                      |                                        |                |            |

ROADWORKS LEGEND

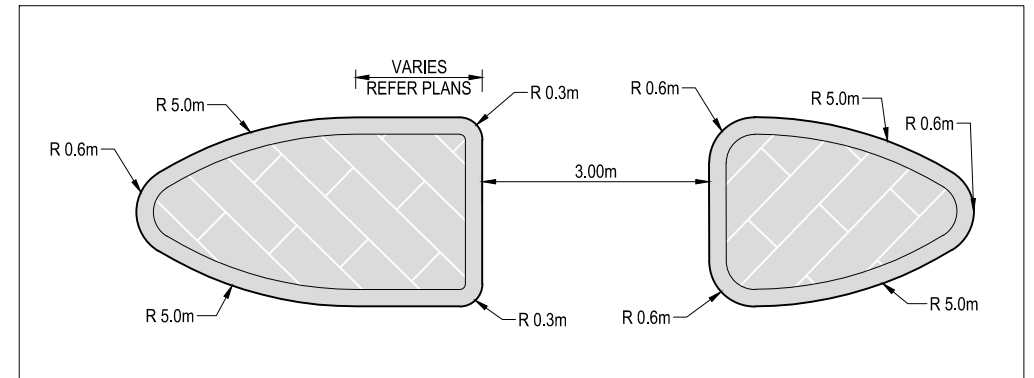
|                                                                                   |                                                                                                                    |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
|  | PROPOSED PAVEMENT - REFER DETAIL (OR PAVEMENT TO MATCH EXISTING PAVEMENT PROFILE)                                  |
|  | PROPOSED CONCRETE RAISED MEDIAN.                                                                                   |
|  | PROPOSED 'BRICK N PAVE' STAMPED ASPHALT. 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.

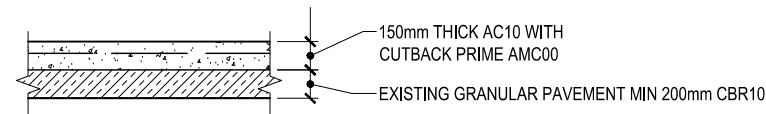
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CONSTRUCTION

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



TYPICAL ISLAND DETAIL

1:50 AT A1  
1:100 AT A3

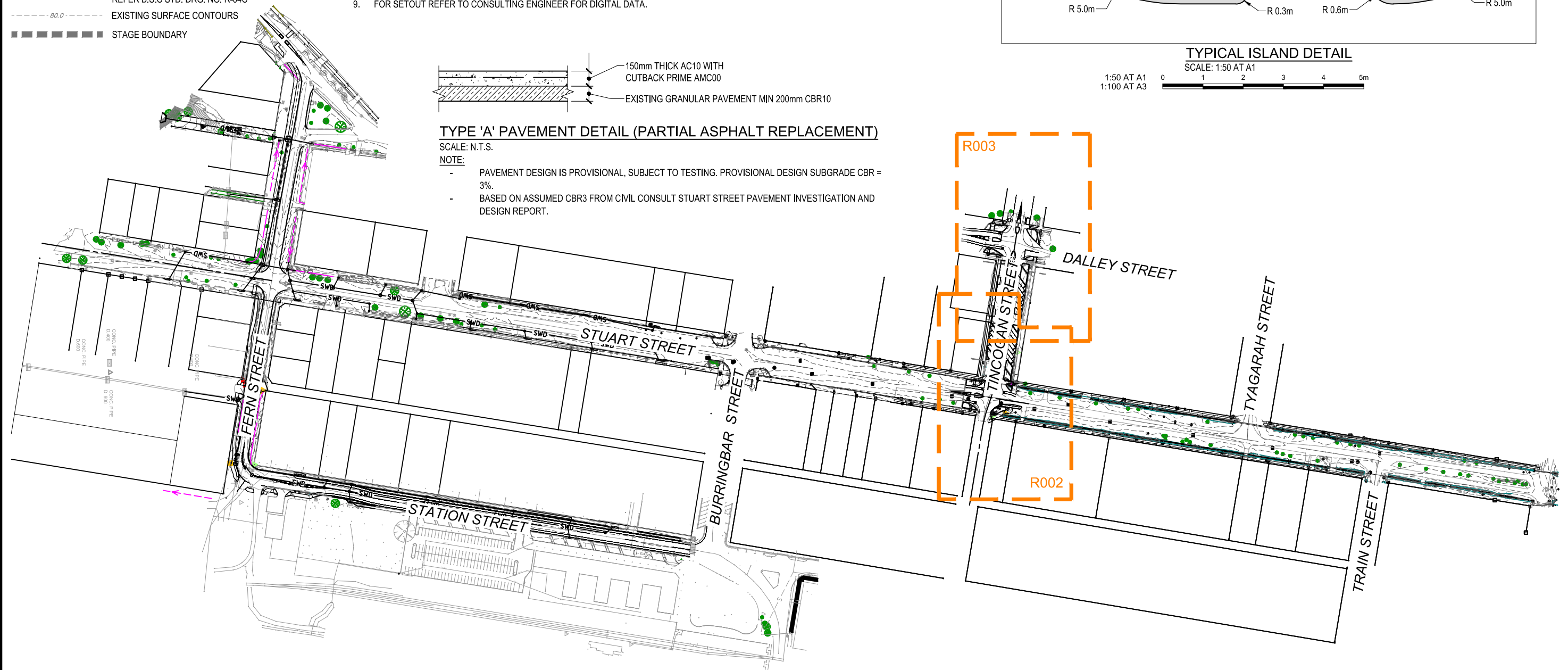


TYPE 'A' PAVEMENT DETAIL (PARTIAL ASPHALT REPLACEMENT)

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<br>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<br>ROADWORKS KEY PLAN |
| SCALE         | 1:1500 AT A1<br>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.

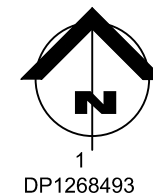
- SURVEY BENCHMARK
- PERMANENT SURVEY BENCHMARK
- DRILL HOLE AND WING
- GALVANIZED IRON PIPE
- SAFE
- VULNERABLE
- TO BE DESTROYED

EXISTING FEATURES LEGEND

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

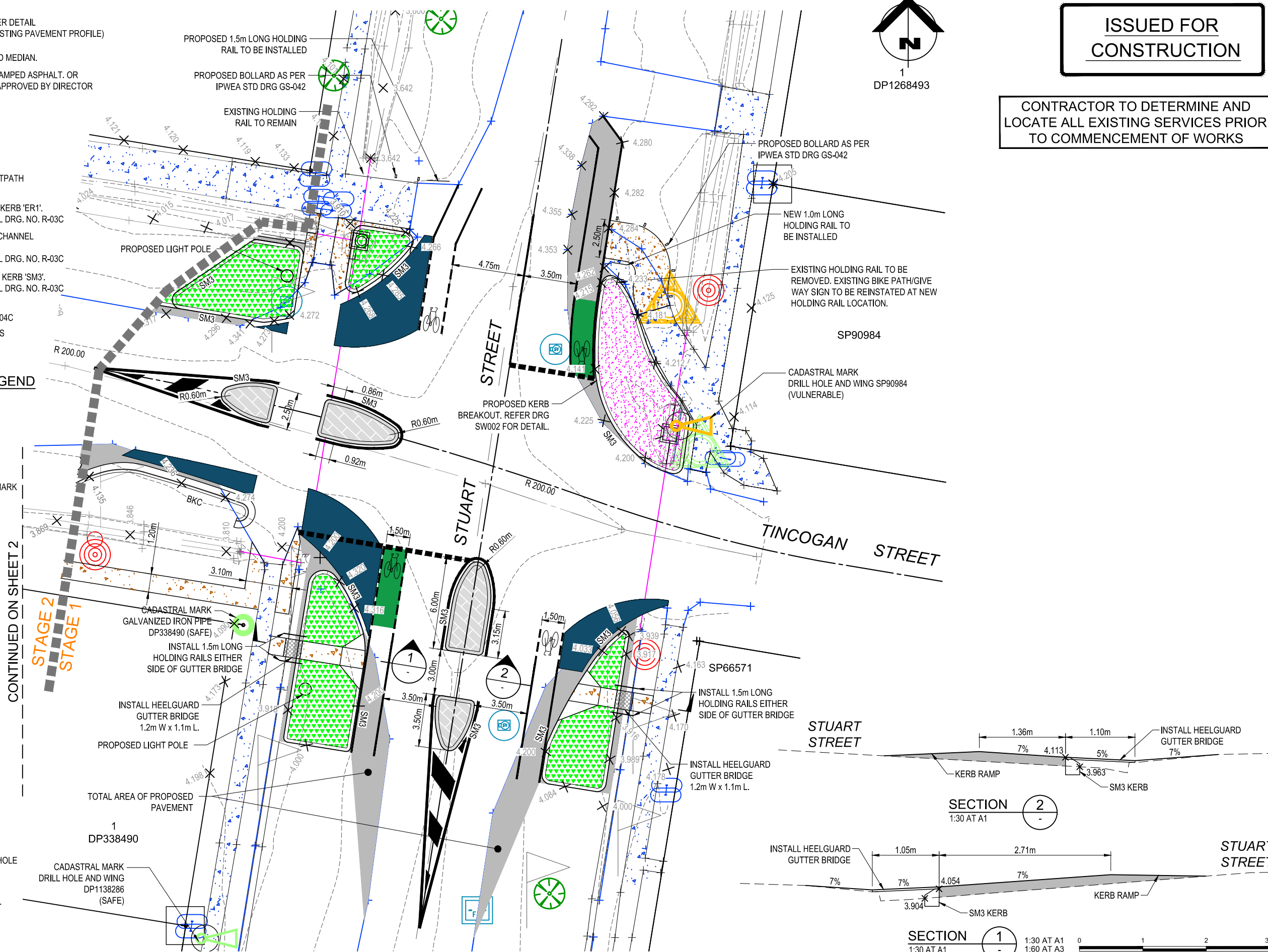
WARNING

EXISTING OVERHEAD POWER LINES EXIST ON SITE.



ISSUED FOR  
CONSTRUCTION

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



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



|                                                                       |
|-----------------------------------------------------------------------|
| CLIENT<br>BYRON SHIRE COUNCIL                                         |
| PROJECT<br>MULLUMBIMBY STREETScape UPGRADES<br>MULLUMBIMBY, NSW, 2482 |

|                        |             |                |
|------------------------|-------------|----------------|
| DESIGN<br>AR           | DRAWN<br>AR | APPROVED<br>TP |
| T.P.PURDON - CPEng NER |             |                |
| 09-07-21               |             |                |
| SIGNED                 |             |                |

|                                                                        |                        |
|------------------------------------------------------------------------|------------------------|
| TITLE<br>2833 - TINCogan STREET STAGE 1<br>ROADWORKS PLAN SHEET 1 OF 2 | PROJECT NO.<br>OSK5378 |
| SCALE<br>1:125 AT A1<br>1:250 AT A3                                    | DWG NO.<br>R002        |
| 0 5 10m                                                                | ISSUE<br>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

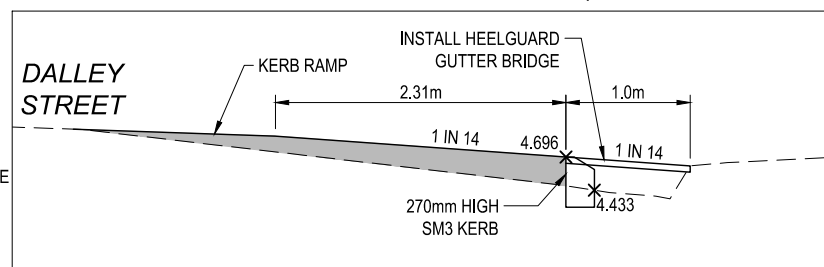
- EXISTING TREE
- EXISTING POWER POLE
- EXISTING TELSTRA PIT
- EXISTING WATER HYDRANT
- EXISTING WATER VALVE
- EXISTING STORMWATER MANHOLE
- EXISTING STORMWATER INLET

## WARNING

EXISTING OVERHEAD POWER LINES EXIST ON SITE.

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

PROJECT NO.  
OSK5378

DWG NO.  
R003

ISSUE  
A

SCALE  
1:125 AT A1  
1:250 AT A3

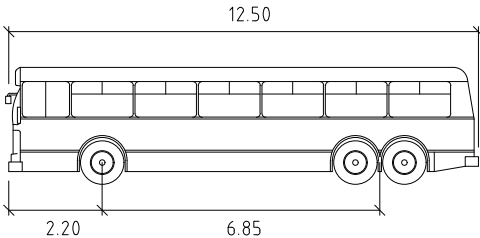
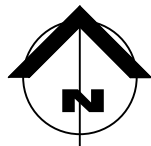
0 5 10m

CONTINUED FROM SHEET 1

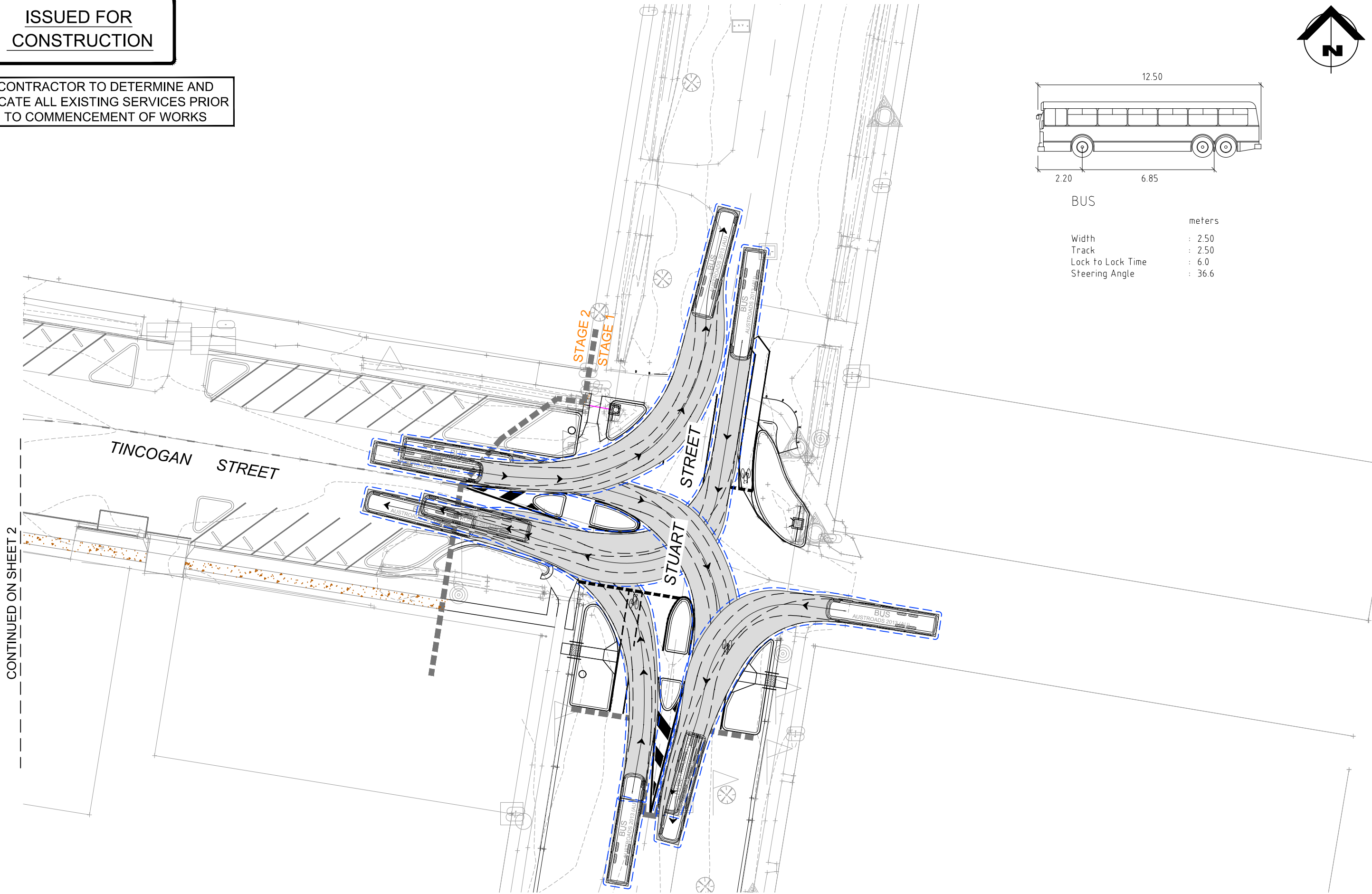


ISSUED FOR  
CONSTRUCTION

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   |



CONTINUED ON SHEET 2

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



|         |                                                            |
|---------|------------------------------------------------------------|
| CLIENT  | BYRON SHIRE COUNCIL                                        |
| PROJECT | MULLUMBIMBY STREETScape UPGRADES<br>MULLUMBIMBY, NSW, 2482 |

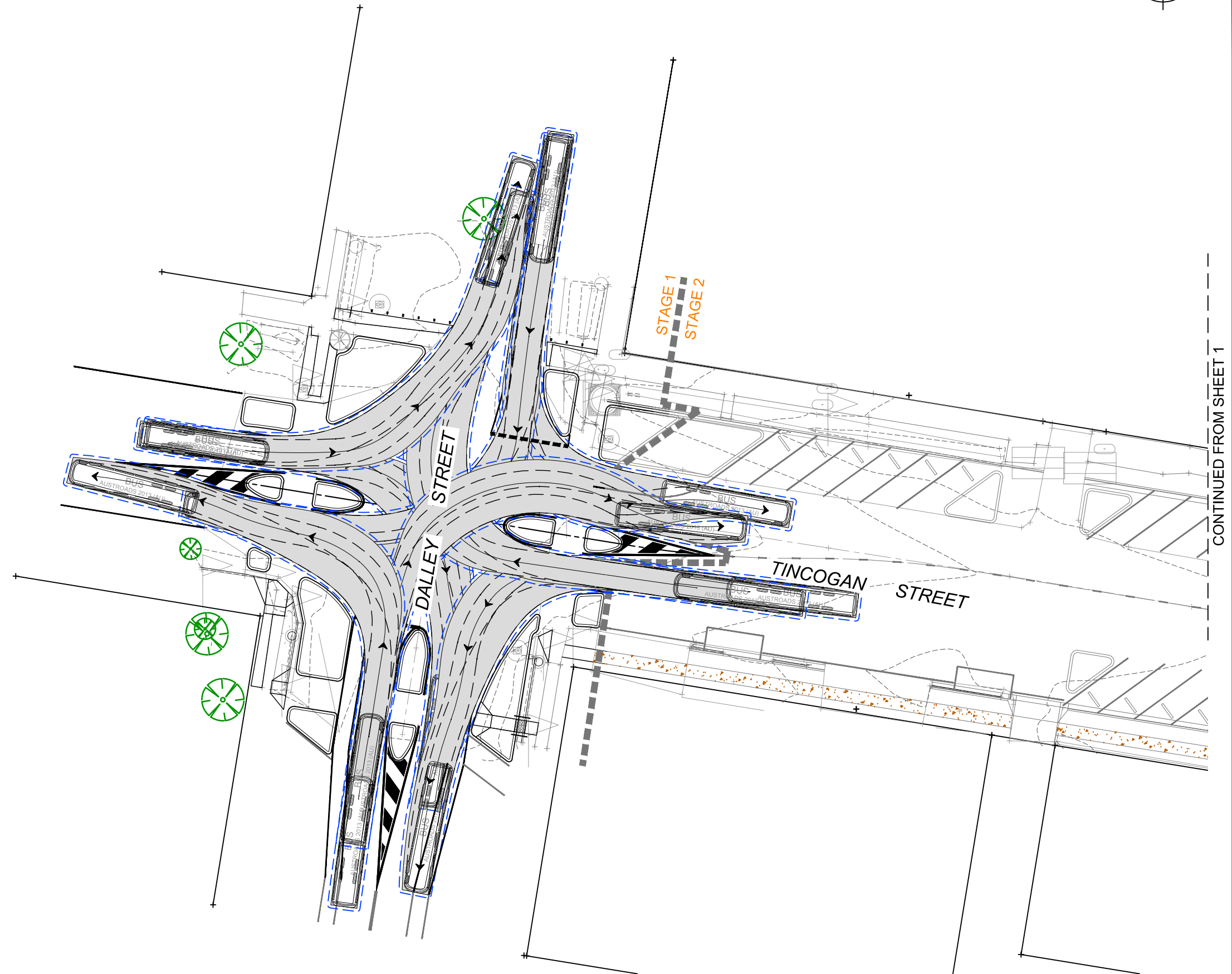
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|------------------------|-------|------------------|
| DESIGN                 | DRAWN | APPROVED         |
| AR                     | AR    | TP               |
| T.P.PURDON - CPEng NER |       |                  |
| SIGNED                 |     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

|       |                                                          |
|-------|----------------------------------------------------------|
| TITLE | 2833 - TINGOGAN STREET<br>TURNING PATH PLAN SHEET 1 OF 2 |
| SCALE | 1:200 AT A1<br>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                 | DRAWN | APPROVED |
| AR                     | AR    | 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  
1:400 AT A3

|             |
|-------------|
| PROJECT NO. |
| OSK5378     |
| DWG NO.     |
| R005        |
| ISSUE       |
| A           |



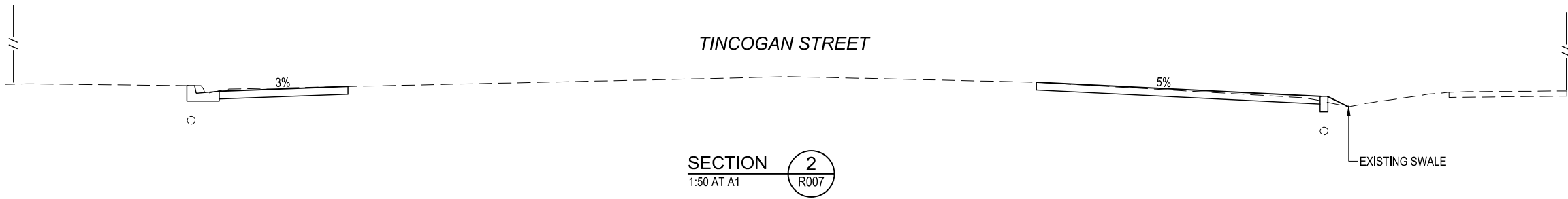
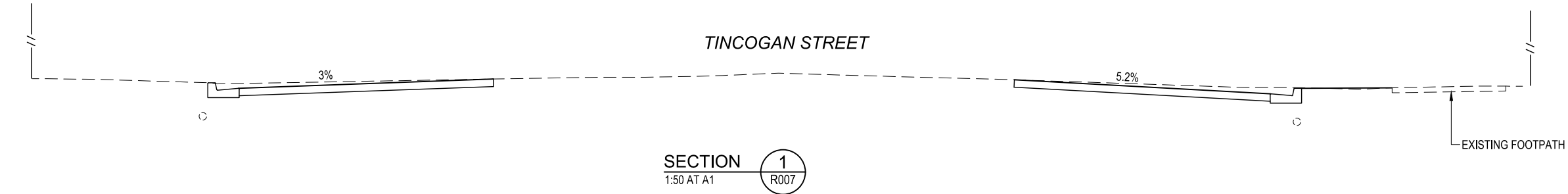
LEGEND

- //——//——

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

|           |          |                             |                                                                                                     |                                                                       |                        |             |                |                                                             |                        |
|-----------|----------|-----------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------------------|-------------|----------------|-------------------------------------------------------------|------------------------|
|           |          |                             | <div><div></div><div></div><div></div><div></div></div> <div>OSKA</div> <div>CONSULTING GROUP</div> | CLIENT<br>BYRON SHIRE COUNCIL                                         | DESIGN<br>AR           | DRAWN<br>AR | APPROVED<br>TP | TITLE<br>2833 - TINCOGAN STREET STAGE 2<br>TYPICAL SECTIONS | PROJECT NO.<br>OSK5378 |
|           |          |                             |                                                                                                     | PROJECT<br>MULLUMBIMBY STREETScape UPGRADES<br>MULLUMBIMBY, NSW, 2482 | T.P.PURDON - CPEng NER |             |                |                                                             | DWG NO.<br>R006        |
|           |          |                             |                                                                                                     |                                                                       | 09-07-21               |             |                | SCALE<br>1:50 AT A1<br>1:100 AT A3                          | ISSUE<br>A             |
| A         | 09-07-21 | ISSUED FOR 90% CONSTRUCTION |                                                                                                     |                                                                       | SIGNED                 |             |                | 0                                                           | 1                      |
| ISSUE No. | DATE     | AMENDMENT                   |                                                                                                     |                                                                       | DATE                   |             |                | 2                                                           | 3                      |

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
- 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

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

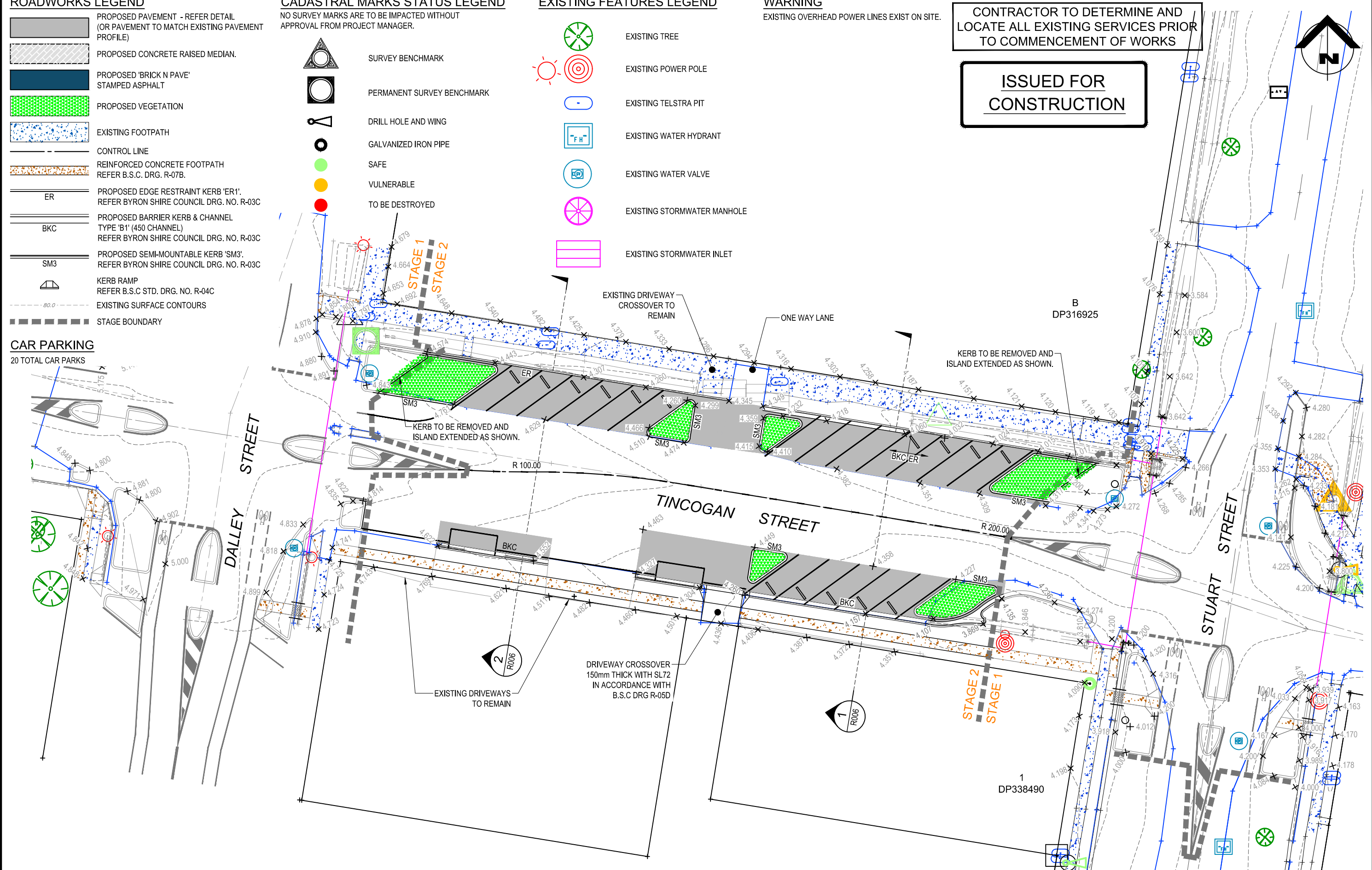
- EXISTING TREE
- EXISTING POWER POLE
- EXISTING TELSTRA PIT
- EXISTING WATER HYDRANT
- EXISTING WATER VALVE
- EXISTING STORMWATER MANHOLE
- EXISTING STORMWATER INLET

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                   |
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| A         | 09-07-21 | ISSUED FOR 90% CONSTRUCTION |



|         |                                                            |
|---------|------------------------------------------------------------|
| CLIENT  | BYRON SHIRE COUNCIL                                        |
| PROJECT | MULLUMBIMBY STREETSCAPE UPGRADES<br>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<br>ROADWORKS PLAN |
| SCALE         | 1:200 AT A1<br>1:400 AT A3                       |
| 0 5 10 15 20m |                                                  |

|             |         |
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| PROJECT NO. | OSK5378 |
| DWG NO.     | R007    |
| ISSUE       | A       |



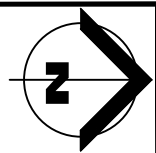
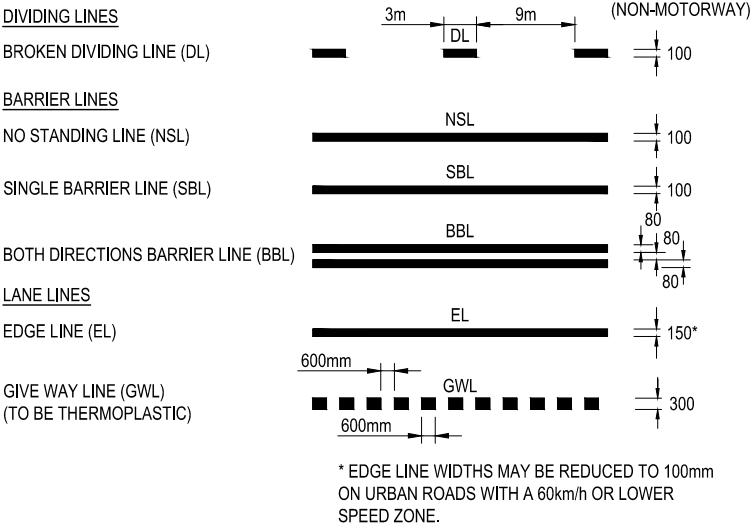
SIGNAGE LEGEND

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

 TRAFFIC SIGNS

 EXISTING TRAFFIC SIGNS

**DIVIDING 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)

3m 9m (NON-MOTORWAY)

DL

100

NSL

100

SBL

100

BBL

80 80 80

EL

150\*

600mm

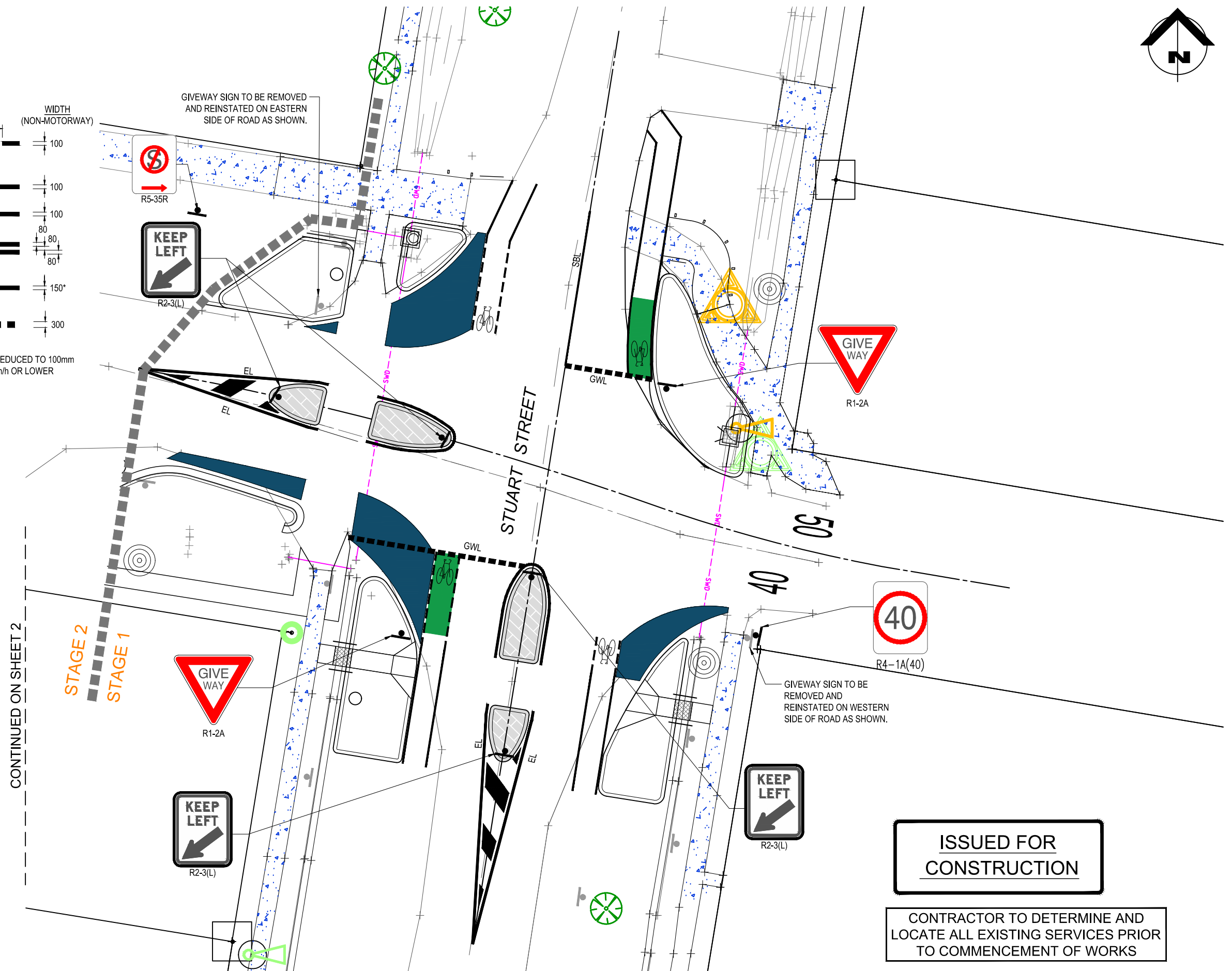
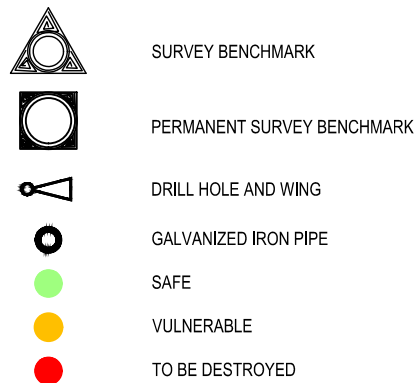
GWL

600mm

300

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

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



|           |          |                             |                                                                                      |                                  |                        |       |                            |                                         |                            |         |       |   |
|-----------|----------|-----------------------------|--------------------------------------------------------------------------------------|----------------------------------|------------------------|-------|----------------------------|-----------------------------------------|----------------------------|---------|-------|---|
|           |          |                             |  | CLIENT                           | DESIGN                 | DRAWN | APPROVED                   | TITLE                                   | PROJECT NO.                |         |       |   |
|           |          |                             |                                                                                      | BYRON SHIRE COUNCIL              | AR                     | AR    | TP                         | 2833 - TINCOGAN STREET STAGE 1          | OSK5378                    |         |       |   |
|           |          |                             |                                                                                      | PROJECT                          | T.P.PURDON - CPEng NER |       |                            | SIGNAGE & LINEMARKING PLAN SHEET 1 OF 2 | DWG NO.                    | ISSUE   |       |   |
|           |          |                             |                                                                                      | MULLUMBIMBY STREETScape UPGRADES |                        |       |                            |                                         |                            |         |       |   |
|           |          |                             |                                                                                      | MULLUMBIMBY, NSW, 2482           |                        |       |                            |                                         |                            |         |       |   |
| A         | 09-07-21 | ISSUED FOR 90% CONSTRUCTION |                                                                                      |                                  |                        |       | 09-07-21                   | SCALE                                   | 1:125 AT A1<br>1:250 AT A3 | 0 5 10m | SL002 | A |
| ISSUE No. | DATE     | AMENDMENT                   |                                                                                      |                                  |                        |       | SIGNED _____<br>DATE _____ |                                         |                            |         |       |   |



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.

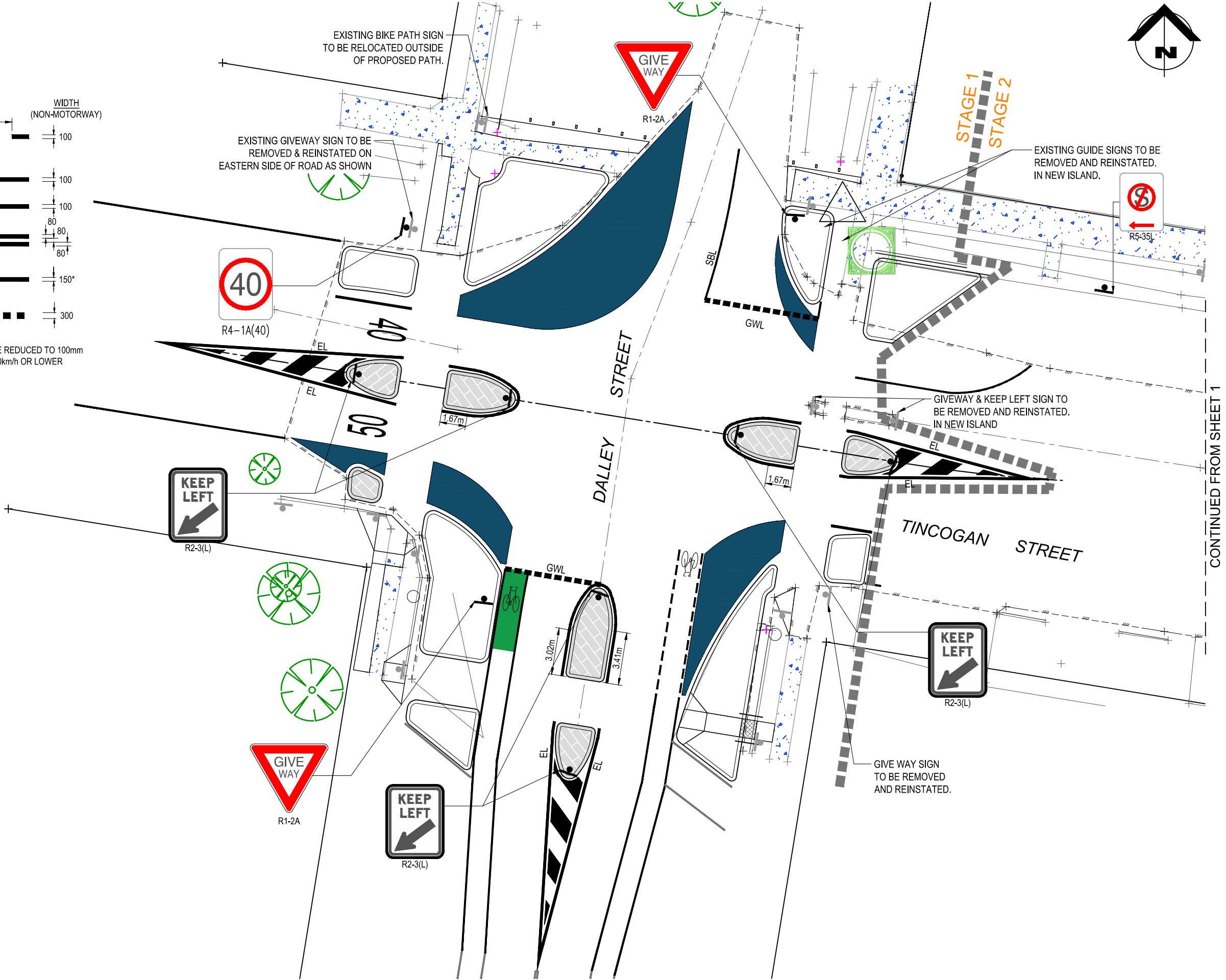
CADASTRAL MARKS STATUS LEGEND

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

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



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| CLIENT  | BYRON SHIRE COUNCIL                                        |
| PROJECT | MULLUMBIMBY STREETScape UPGRADES<br>MULLUMBIMBY, NSW, 2482 |

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

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| TITLE | 2833 - TINCogan STREET STAGE 1<br>SIGNAGE & LINEMARKING PLAN SHEET 2 OF 2 |         |  |
| SCALE | 1:125 AT A1<br>1:250 AT A3                                                | 0 5 10m |  |

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| PROJECT NO. | OSK5378 |       |
| DWG NO.     | SL003   | ISSUE |
|             |         | A     |

SIGNAGE LEGEND

- TRAFFIC SIGNS
- EXISTING TRAFFIC SIGNS

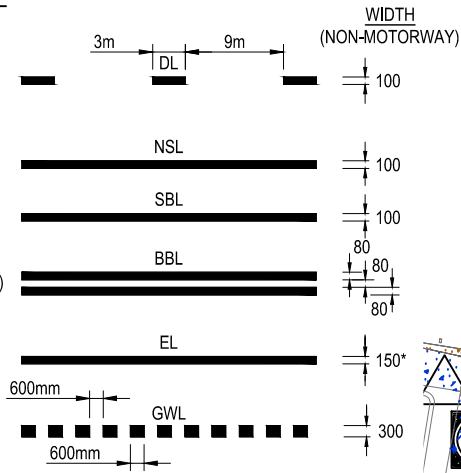
ISSUED FOR CONSTRUCTION

CAR PARKING  
20 TOTAL CAR PARKS

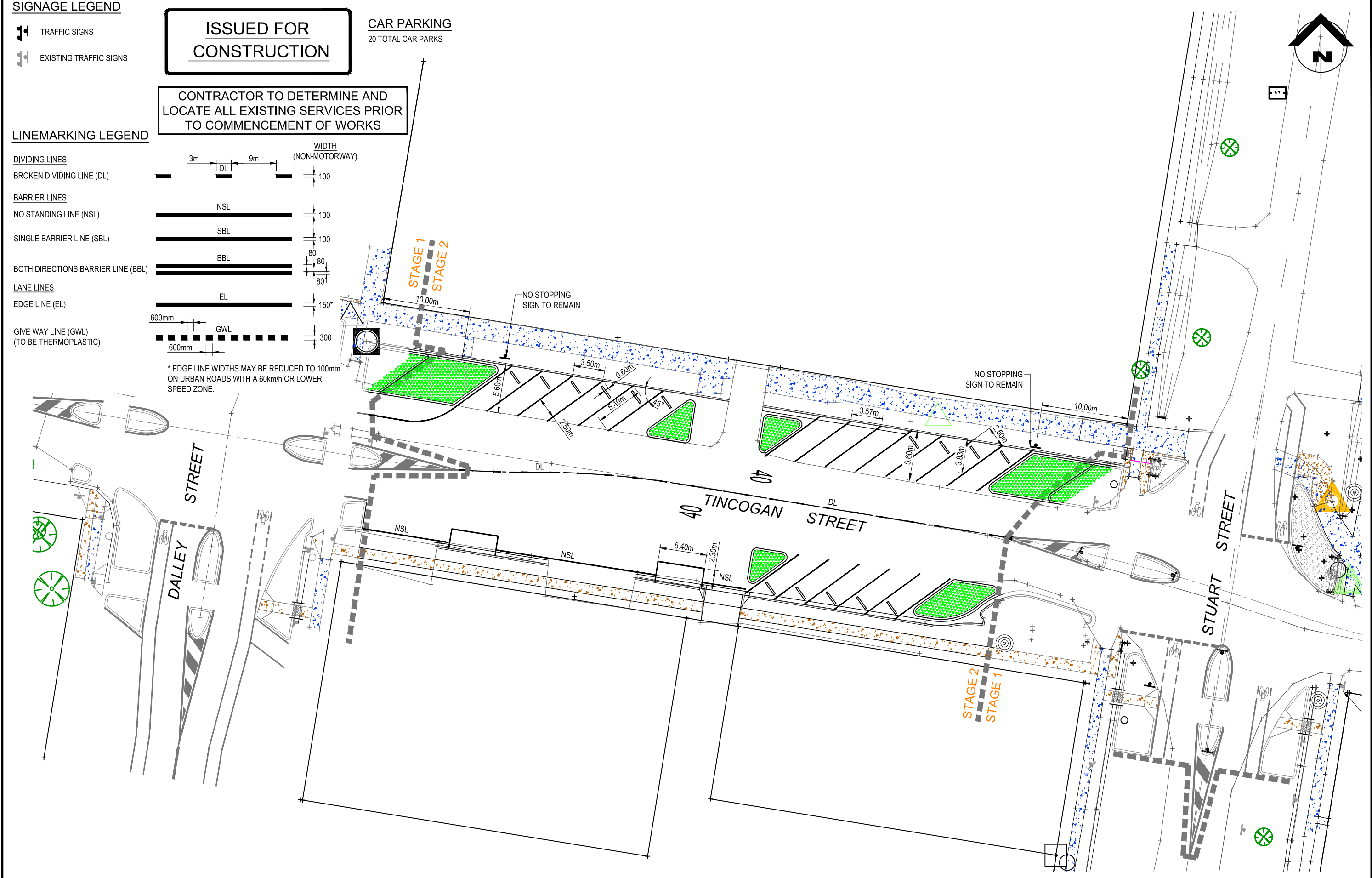
CONTRACTOR TO DETERMINE AND LOCATE ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS

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.



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

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| CLIENT  | BYRON SHIRE COUNCIL                                        |
| PROJECT | MULLUMBIMBY STREETScape UPGRADES<br>MULLUMBIMBY, NSW, 2482 |

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|------------------------|-------|----------|
| 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

|             |         |
|-------------|---------|
| PROJECT NO. | OSK5378 |
| DWG NO.     | SL006   |
| 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
- [Pattern] STAGE BOUNDARY
- x 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 <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 +/- 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.



ISSUED FOR  
CONSTRUCTION

CONTRACTOR TO DETERMINE AND  
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TO COMMENCEMENT OF WORKS



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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

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

|                                                                        |  |
|------------------------------------------------------------------------|--|
| TITLE<br>2833 - TINCogan STREET STAGE 1<br>SERVICE ALTERATION KEY PLAN |  |
| SCALE<br>1:1500 AT A1<br>1:3000 AT A3                                  |  |
|                                                                        |  |

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|------------------------|------------|
| PROJECT NO.<br>OSK5378 |            |
| DWG NO.<br>SW001       | ISSUE<br>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

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| A         | 09-07-21 | ISSUED FOR 90% CONSTRUCTION |
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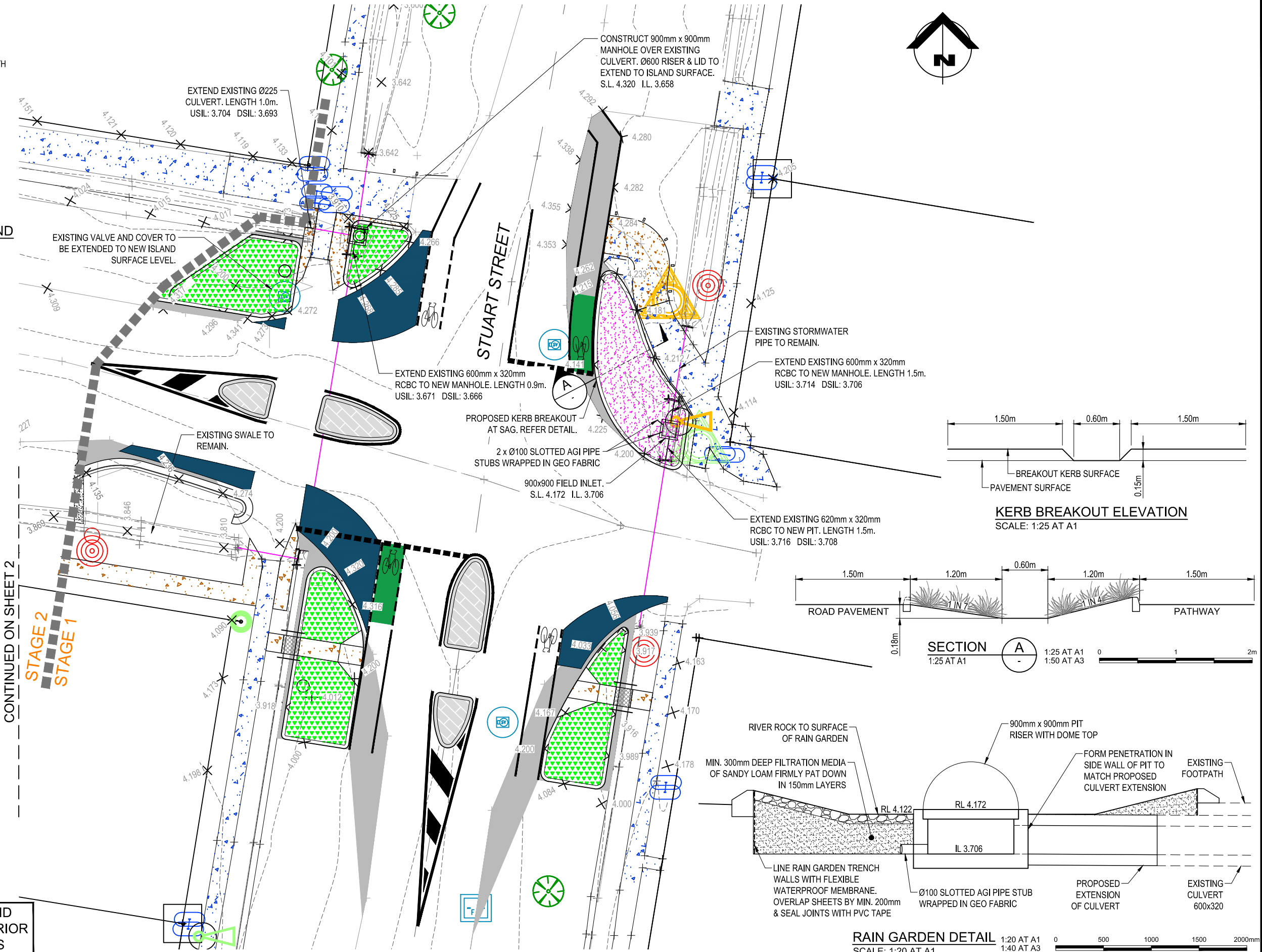
CLIENT  
BYRON SHIRE COUNCIL

PROJECT  
MULLUMBIMBY STREETScape UPGRADES  
MULLUMBIMBY, NSW, 2482

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

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

|                        |            |
|------------------------|------------|
| PROJECT NO.<br>OSK5378 |            |
| DWG NO.<br>SW002       | ISSUE<br>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

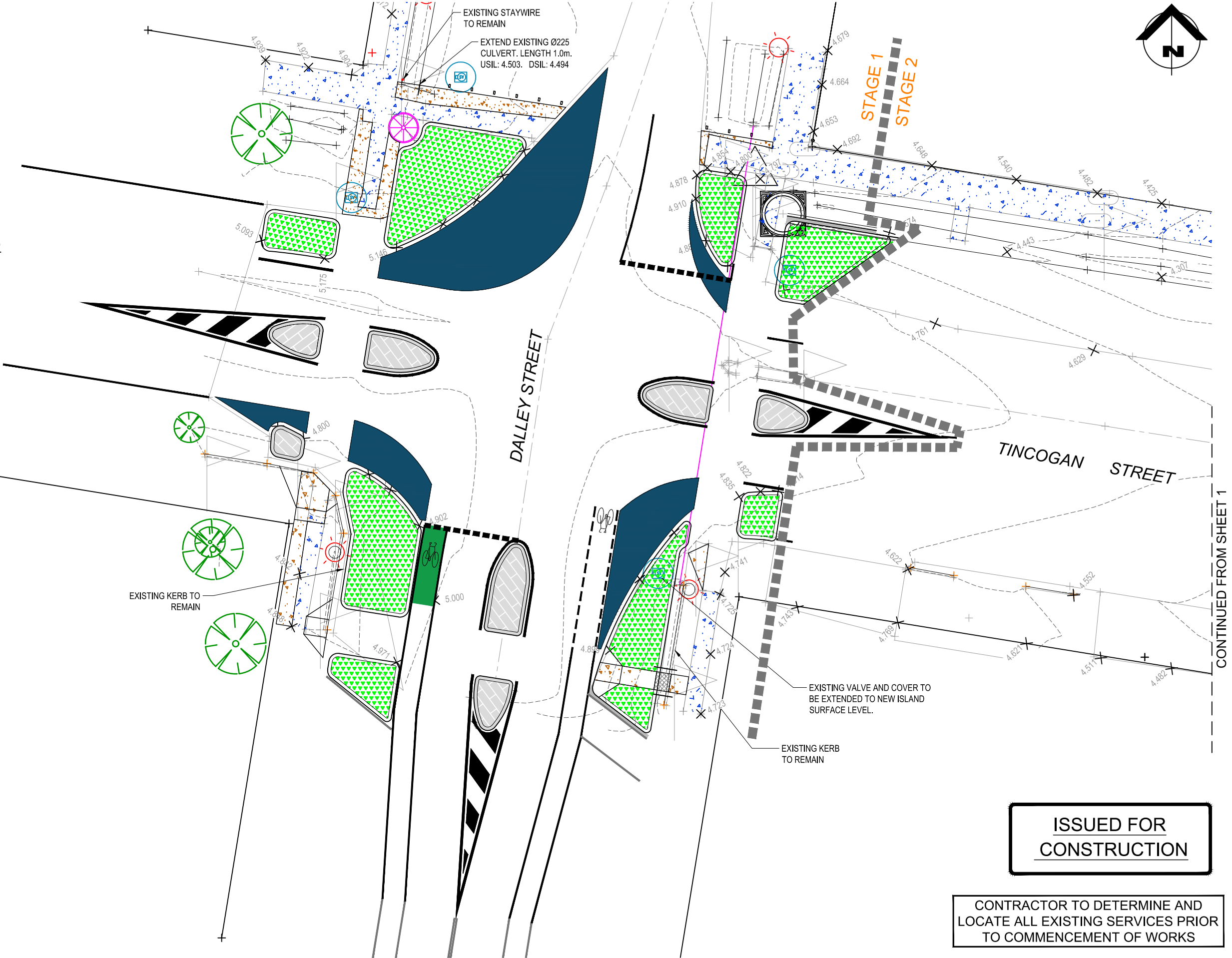
NO SURVEY MARKS ARE TO BE IMPACTED WITHOUT APPROVAL FROM PROJECT MANAGER.

- 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

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



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|---------|------------------------------------------------------------|
| CLIENT  | BYRON SHIRE COUNCIL                                        |
| PROJECT | MULLUMBIMBY STREETScape UPGRADES<br>MULLUMBIMBY, NSW, 2482 |

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

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

|             |         |         |
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| PROJECT NO. | OSK5378 |         |
| DWG NO.     | SW003   | ISSUE A |

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

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

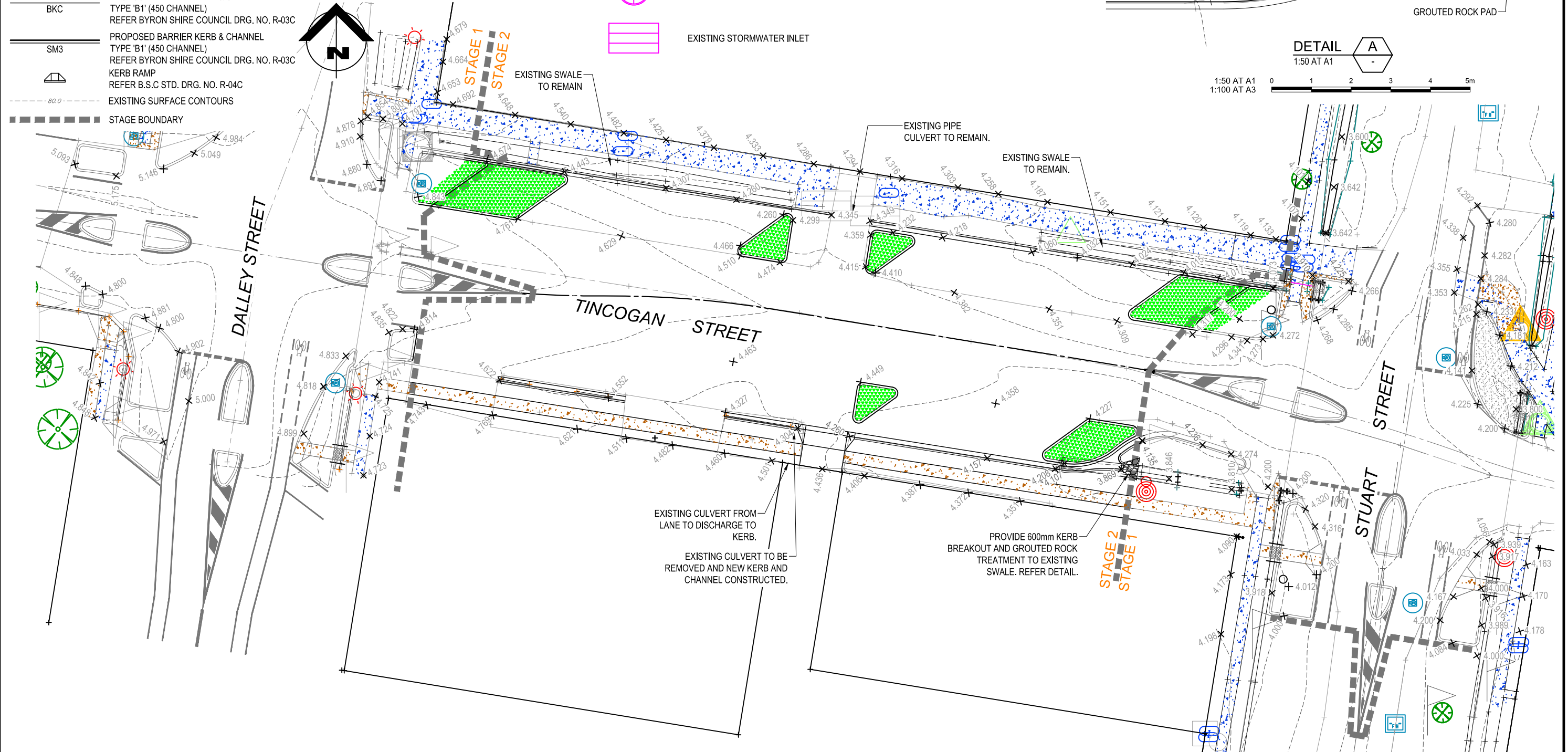


|                                                                                     |                             |
|-------------------------------------------------------------------------------------|-----------------------------|
|  | EXISTING TREE               |
|  | EXISTING POWER POLE     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

EXISTING OVERHEAD POWER LINES EXIST ON SITE.

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

ISSUED FOR  
CONSTRUCTION



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

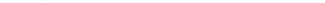


|                                                            |
|------------------------------------------------------------|
| CLIENT                                                     |
| BYRON SHIRE COUNCIL                                        |
| PROJECT                                                    |
| MULLUMBIMBY STREETSCAPE UPGRADES<br>MULLUMBIMBY, NSW, 2482 |

|                        |             |                           |
|------------------------|-------------|---------------------------|
| DESIGN<br>TP           | DRAWN<br>AR | APPROVED<br>TP            |
| T.P.PURDON - CPEng NER |             |                           |
| _____<br>SIGNED        |             | 09-07-21<br>_____<br>DATE |

|       |                                                           |
|-------|-----------------------------------------------------------|
| TITLE | 2833 - TINCOGAN STREET STAGE 2<br>SERVICE ALTERATION PLAN |
|-------|-----------------------------------------------------------|

SCALE 1:200 AT A1  
1:400 AT A3



A horizontal scale bar with tick marks at 0, 5, 10, 15, and 20m. The bar is divided into four equal segments, each representing 5 meters.

|             |       |
|-------------|-------|
| PROJECT NO. |       |
| OSK5378     |       |
| WG NO.      | ISSUE |
| W004        | A     |