

# GRENFELL MAIN STREET RENEWAL

## MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL

### WEDDIN SHIRE COUNCIL

### 100% CIVIL ENGINEERING PLANS

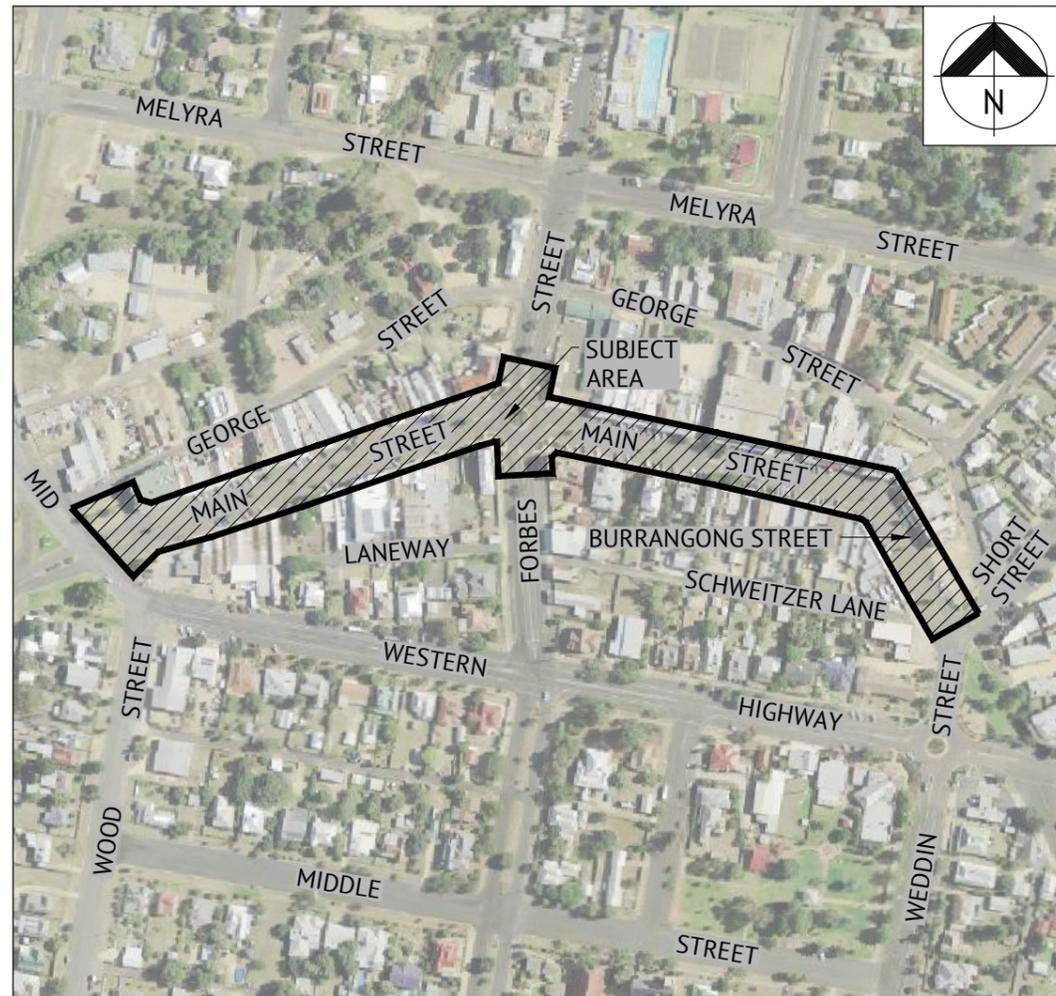


IMAGE SOURCE: SIX MAPS

**SITE LOCALITY**  
NOT TO SCALE



SCHEDULE OF DRAWINGS	
DRAWING	TITLE
C001	TITLE SHEET & SITE LOCALITY
C002	GENERAL NOTES & TYPICAL DETAILS, SHEET 1 OF 2
C003	GENERAL NOTES & TYPICAL DETAILS, SHEET 2 OF 2
C004	OVERALL LAYOUT PLAN
C005	STAGING PLAN
C006	DEMOLITION LAYOUT PLAN, SHEET 1 OF 5
C007	DEMOLITION LAYOUT PLAN, SHEET 2 OF 5
C008	DEMOLITION LAYOUT PLAN, SHEET 3 OF 5
C009	DEMOLITION LAYOUT PLAN, SHEET 4 OF 5
C010	DEMOLITION LAYOUT PLAN, SHEET 5 OF 5
C011	DETAILED LAYOUT PLAN, SHEET 1 OF 5
C012	DETAILED LAYOUT PLAN, SHEET 2 OF 5
C013	DETAILED LAYOUT PLAN, SHEET 3 OF 5
C014	DETAILED LAYOUT PLAN, SHEET 4 OF 5
C015	DETAILED LAYOUT PLAN, SHEET 5 OF 5
C016	ROAD LAYOUT PLAN, SHEET 1 OF 5
C017	ROAD LAYOUT PLAN, SHEET 2 OF 5
C018	ROAD LAYOUT PLAN, SHEET 3 OF 5
C019	ROAD LAYOUT PLAN, SHEET 4 OF 5
C020	ROAD LAYOUT PLAN, SHEET 5 OF 5
C021	CONTROL LINE LONGITUDINAL SECTION, SHEET 1 OF 2
C022	CONTROL LINE LONGITUDINAL SECTION, SHEET 2 OF 2
C023	ROAD CROSS SECTIONS, SHEET 1 OF 4
C024	ROAD CROSS SECTIONS, SHEET 2 OF 4
C025	ROAD CROSS SECTIONS, SHEET 3 OF 4
C026	ROAD CROSS SECTIONS, SHEET 4 OF 4
C027	PROPOSED UPRIGHT KERB LONGITUDINAL SECTIONS, SHEET 1 OF 3
C028	PROPOSED UPRIGHT KERB LONGITUDINAL SECTIONS, SHEET 2 OF 3
C029	PROPOSED UPRIGHT KERB LONGITUDINAL SECTIONS, SHEET 3 OF 3
C030	SIGNAGE AND LINEMARKING PLAN, SHEET 1 OF 6
C031	SIGNAGE AND LINEMARKING PLAN, SHEET 2 OF 6
C032	SIGNAGE AND LINEMARKING PLAN, SHEET 3 OF 6

C033	SIGNAGE AND LINEMARKING PLAN, SHEET 4 OF 6
C034	SIGNAGE AND LINEMARKING PLAN, SHEET 5 OF 6
C035	SIGNAGE AND LINEMARKING PLAN, SHEET 6 OF 6
C036	VEHICLE TURNING PATHS, SHEET 1 OF 10
C037	VEHICLE TURNING PATHS, SHEET 2 OF 10
C038	VEHICLE TURNING PATHS, SHEET 3 OF 10
C039	VEHICLE TURNING PATHS, SHEET 4 OF 10
C040	VEHICLE TURNING PATHS, SHEET 5 OF 10
C041	VEHICLE TURNING PATHS, SHEET 6 OF 10
C042	VEHICLE TURNING PATHS, SHEET 7 OF 10
C043	VEHICLE TURNING PATHS, SHEET 8 OF 10
C044	VEHICLE TURNING PATHS, SHEET 9 OF 10
C045	VEHICLE TURNING PATHS, SHEET 10 OF 10
C046	STORMWATER DRAINAGE LAYOUT PLAN, SHEET 1 OF 5
C047	STORMWATER DRAINAGE LAYOUT PLAN, SHEET 2 OF 5
C048	STORMWATER DRAINAGE LAYOUT PLAN, SHEET 3 OF 5
C049	STORMWATER DRAINAGE LAYOUT PLAN, SHEET 4 OF 5
C050	STORMWATER DRAINAGE LAYOUT PLAN, SHEET 5 OF 5
C051	STORMWATER LINE 1 LONGITUDINAL SECTION
C052	STORMWATER LINES 2, 3 & 4 LONGITUDINAL SECTIONS
C053	STORMWATER LINES 5, 6 & 7 LONGITUDINAL SECTIONS
C054	STORMWATER LINES 8 & 9 LONGITUDINAL SECTIONS
C055	STORMWATER LINES 10, 11 & 12 LONGITUDINAL SECTIONS
C056	STORMWATER LINES 13 & 14 LONGITUDINAL SECTIONS
C057	STORMWATER LINE 15 LONGITUDINAL SECTION
C058	STORMWATER LINES 16, 17 & 18 LONGITUDINAL SECTIONS
C059	STORMWATER LINES 19 & 20 LONGITUDINAL SECTIONS
C060	STORMWATER LINES 21 & 30 LONGITUDINAL SECTIONS
C061	STORMWATER CALCULATIONS
C062	ELECTRICAL CONDUIT AND IRRIGATION SUPPLY LAYOUT PLAN, SHEET 1 OF 2
C063	ELECTRICAL CONDUIT AND IRRIGATION SUPPLY LAYOUT PLAN, SHEET 2 OF 2
C064	EROSION & SEDIMENT CONTROL PLAN, SHEET 1 OF 2
C065	EROSION & SEDIMENT CONTROL PLAN, SHEET 2 OF 2
C066	EROSION & SEDIMENT CONTROL FIGURES

**NOTE**  
PROPOSED CENTRAL MEDIAN ISLANDS ARE TO TYPICALLY BE LANDSCAPED. REFER TO CLOUSTON ASSOCIATES FOR ALL LANDSCAPING DETAILS.

**NOTE**  
ANY WORK TO EXISTING SERVICES THAT REQUIRE RELOCATION BY AUTHORITIES SHALL BE CARRIED OUT BY THE RELEVANT AUTHORITY BUT WITHIN THE TERMS OF THE CONTRACT AND SHALL BE CO-ORDINATED BY THE CONTRACTOR. ALL RELOCATION AND SERVICE ADJUSTMENTS ARE TO BE AT THE FULL COST OF THE CONTRACTOR.

ISSUED FOR CONSTRUCTION					
DATE	REV	DESCRIPTION	REC	APP	REVISIONS
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG	
23/07/2021	K	CLIENT AMENDMENTS (BURRANGONG STREET STORMWATER AMENDED) & ISSUED FOR APPROVAL	BW	SIH	
04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH	
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH	
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH	
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH	

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DESIGNED  
**NICHOLLE STEVENSON**  
CHECKED  
**EDDIE GOULD**  
PROJECT MANAGER  
**EDDIE GOULD**  
ENGINEERING CERTIFICATION

SCALE  
  
ORIGINAL SHEET SIZE A1

CLIENT  
**WEDDIN SHIRE COUNCIL**

PROJECT  
**GRENFELL MAIN STREET RENEWAL**

LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE  
**TITLE SHEET & SITE LOCALITY**

JOB CODE  
**220109\_02**

SHEET NUMBER  
**C001**

REV  
**L**

**GENERAL CONSTRUCTION NOTES**

- WEDDIN SHIRE COUNCIL ARE TO BE NOTIFIED 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY WORKS
- ALL RELEVANT AUTHORITIES MUST BE CONTACTED & SERVICE LOCATIONS CHECKED PRIOR TO WORK COMMENCING. THE CONTRACTOR IS TO ADEQUATELY LOCATE & INFORM THEMSELVES AS TO THE DEPTH AND LOCATION OF ALL EXISTING & PROPOSED SERVICES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- ANY WORK TO EXISTING SERVICES THAT REQUIRE RELOCATION BY AUTHORITIES SHALL BE CARRIED OUT BY THE RELEVANT AUTHORITY BUT WITHIN THE TERMS OF THE CONTRACT AND SHALL BE CO-ORDINATED BY THE CONTRACTOR. ALL RELOCATION AND SERVICE ADJUSTMENTS ARE TO BE AT THE FULL COST OF THE CONTRACTOR.
- ALL LEVELS ARE TO A.H.D. ALL OFFSETS ARE TO LIP OF KERB UNLESS NOTED OTHERWISE.
- TRAFFIC & PEDESTRIAN CONTROL MEASURES ARE TO BE IN PLACE DURING ALL CONSTRUCTION WORKS. TRAFFIC CONTROL PLANS ARE TO BE PREPARED BY A CERTIFIED & APPROVED PERSON IN ACCORDANCE WITH AS1742.3-2019 & THE RMS 'TRAFFIC CONTROL AT WORK SITES' - 2018.
- ALL BATTERS AND TABLE DRAIN AREAS TO BE TOPSOILED AND GRASSED UNLESS OTHERWISE SHOWN.
- THE CONTRACTOR SHALL REINSTATE ANY GRASSED AREAS OR TABLE DRAINS AFFECTED DURING CONSTRUCTION.
- ALL CONSTRUCTION WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH WEDDIN SHIRE COUNCIL CONSTRUCTION STANDARDS AND THE SPECIFICATION.
- EROSION AND SEDIMENT CONTROL TO BE COMPLETED IN ACCORDANCE WITH THE LANDCOM BLUE BOOK AND SHEETS C064 TO C066.
- REFER TO GEOTECHNICAL REPORT FOR SUBGRADE, BASE AND SUB-BASE REQUIREMENTS.
- CONSTRUCTION WORK SHALL ONLY BE CARRIED OUT WITHIN THE FOLLOWING TIMES:-  
 MONDAY TO FRIDAY 7.00 am TO 6.00pm  
 SATURDAY 8.00 am TO 1.00pm  
 SUNDAY AND PUBLIC HOLIDAYS ... NO CONSTRUCTION WORK PERMITTED.  
 THE ABOVE RESTRICTIONS MAY BE SUBJECT TO REVIEW AND VARIATION BY COUNCIL UPON AN ASSESSMENT OF THE LEVEL OF ANNOYANCE, IF ANY, THAT MAY ARISE.
- ALL LEVELS ARE IN AUSTRALIAN HEIGHT DATUM. ALL SETOUT COORDINATES ARE TO MGA94
- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANTS DRAWINGS AND SPECIFICATIONS. ANY DISCREPANCY SHALL BE REFERRED TO CLOUSTON ASSOCIATES, PREMISE & WEDDIN SHIRE COUNCIL BEFORE PROCEEDING WITH THE WORK.
- ALL DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR ON SITE. ENGINEER'S DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS. UNLESS NOTED OTHERWISE, ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN METRES UNLESS SHOWN OTHERWISE.
- WEDDIN SHIRE COUNCIL TO BE NOTIFIED OF ANY WATER IN THE EXCAVATIONS.
- SUBSOIL DRAIN TO BE LAID AS SHOWN ON THE DRAWINGS AND AS DETERMINED ONSITE BY THE SUPERVISOR.
- THE RECTIFICATION OF ALL MATTERS ARISING FROM INSUFFICIENT INFORMATION BEING SHOWN ON THE APPROVED ENGINEERING PLANS IS TO BE CARRIED OUT TO THE AUS-SPEC#1 DEVELOPMENT SPECIFICATIONS SERIES CONSTRUCTION, 1999 AND COUNCIL ENGINEERS SATISFACTION.
- WRITTEN CONSENT SHALL BE SUBMITTED TO COUNCIL FROM THE OWNERS OF ANY ADJOINING PROPERTY PRIOR TO ANY PHYSICAL INTERFERENCE WITH THAT PROPERTY AS A RESULT OF THE REQUIRED CONSTRUCTION.
- THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY BREACHES OF THE CLEAN WATERS ACT 1970.
- ALL CONCRETE TO BE GRADE 32 MPa UNLESS NOTED OTHERWISE.
- ALL PRAM RAMPS ARE TO BE 1.5m WIDE AT THE TOP OF THE PRAM RAMP UNLESS NOTED OTHERWISE. PRAM RAMPS ARE TO BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF WEDDIN SHIRE COUNCIL.

**TRENCHING NOTE**

DURING THE EXCAVATION OF ANY SERVICE TRENCHES (SEWER, STORMWATER DRAINAGE, WATER RETICULATION & TELECOMMUNICATIONS ETC), IF UNCONSOLIDATED FILL IS IDENTIFIED WITHIN THE TRENCH, ALL SUCH UNCONSOLIDATED FILL MUST BE REMOVED TO SUCH A DEPTH THAT NATURAL SUBGRADES ARE FOUND. ANY OVER EXCAVATION DUE TO THE REMOVAL OF UNCONSOLIDATED FILL MUST BE REPLACED WITH A SUITABLE COMPACTED SUB-BASE MATERIAL IN ACCORDANCE WITH THE REQUIREMENTS OF AUS-SPEC.

**ROADWORKS NOTE**

THE CONTRACTOR SHALL LODGE A ROAD OPENING APPLICATION (SECTION 138 APPLICATION UNDER THE ROADS ACTS 1993) WITH WEDDIN SHIRE COUNCIL AND PAY THE APPROPRIATE FEE BEFORE ANY CONSTRUCTION COMMENCES WITHIN MAIN STREET, FORBES STREET, BURRANGONG STREET, GEORGE STREET & NASH STREET. THE CONTRACTOR SHALL ALSO ORGANISE, LODGE AND PAY ALL FEES FOR A ROL WITH ROADS AND MARITIME SERVICES WHERE REQUIRED BEFORE ANY CONSTRUCTION COMMENCES.

**NOTE**

THE CONTRACTOR SHALL ENSURE PIPES ARE PROTECTED AGAINST DAMAGE FROM CONSTRUCTION WHEEL AND OTHER LOADS, TOGETHER WITH COMPACTIVE IMPACT EFFECTS DUE TO THE CONSTRUCTION EQUIPMENT AND SURFACE CONDITIONS IN ACCORDANCE WITH AS/NZS 3725.

**NOTE**

REFER TO SEPARATE PLANS PREPARED BY CLOUSTON ASSOCIATES FOR DETAILS OF ALL PROPOSED LANDSCAPING AND BUILT FORM FEATURES.

**NOTE**

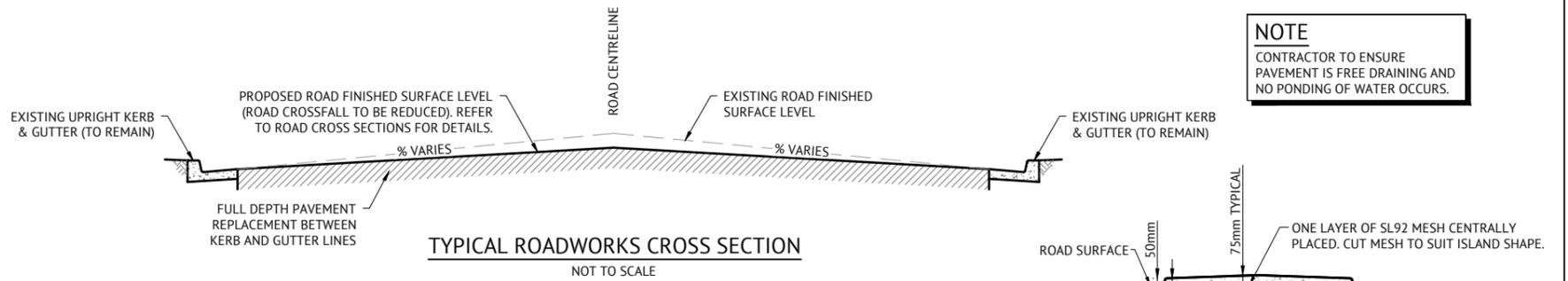
CONTRACTOR AND LANDSCAPER TO ENSURE ALL PAVING WORKS AND WORKS UNDERTAKEN DIRECTS SURFACE WATER AWAY FROM EXISTING BUILDINGS.

**NOTE**

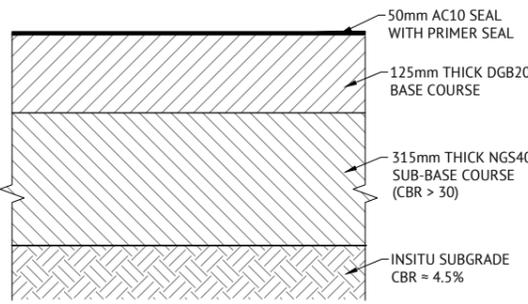
CONTRACTOR TO ENSURE PAVEMENT IS FREE DRAINING AND NO PONDING OF WATER OCCURS.

**NOTE**

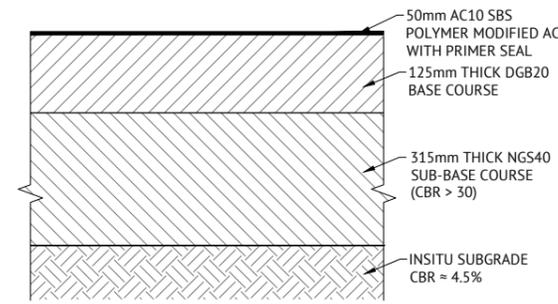
ALL ACCESSIBLE CARSPACES ARE TO BE GRADED TO COMPLY WITH AS2890.5 - 2020.



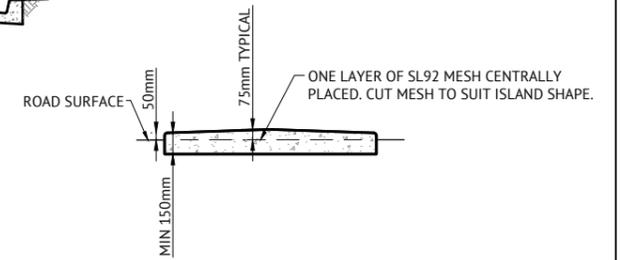
**NOTE**  
CONTRACTOR TO ENSURE PAVEMENT IS FREE DRAINING AND NO PONDING OF WATER OCCURS.



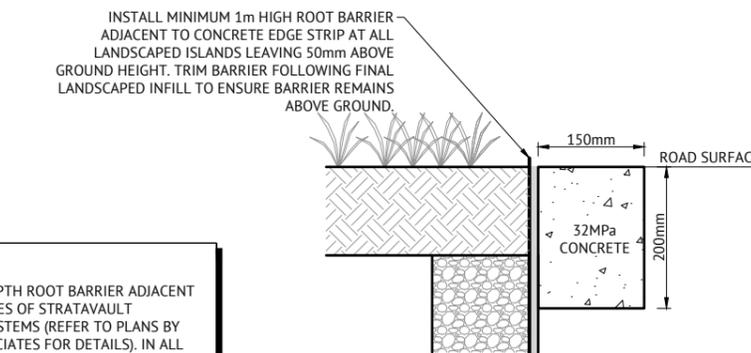
**STANDARD PAVEMENT DETAIL**  
NOT TO SCALE



**POLYMER MODIFIED PAVEMENT DETAIL FOR ROUNDABOUT**  
NOT TO SCALE



**TYPICAL LOW PROFILE CONCRETE MEDIAN ISLAND**  
NOT TO SCALE



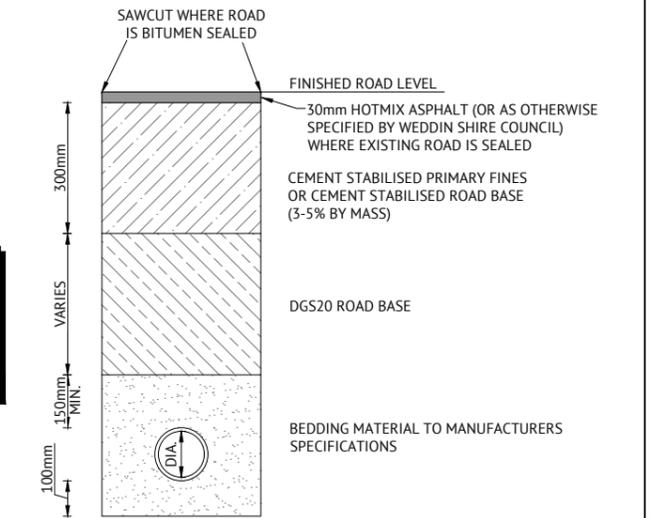
**CONCRETE EDGE STRIP**  
NOT TO SCALE

**NOTE**

PAVEMENT DESIGN IS BASED ON GEOTECHNICAL INVESTIGATION CARRIED OUT BY K & H GEOTECHNICAL SERVICES PTY LTD. PAVEMENT DESIGN HAS BEEN UNDERTAKEN BY KEIGHAN GEOTECHNICS (REPORT REF: 20012/GK/4 DATED 27/04/2020).

**NOTE**

PROPOSED PAVING TO BE CONCRETE FINISH OR AS OTHERWISE SPECIFIED BY LANDSCAPE ARCHITECT.

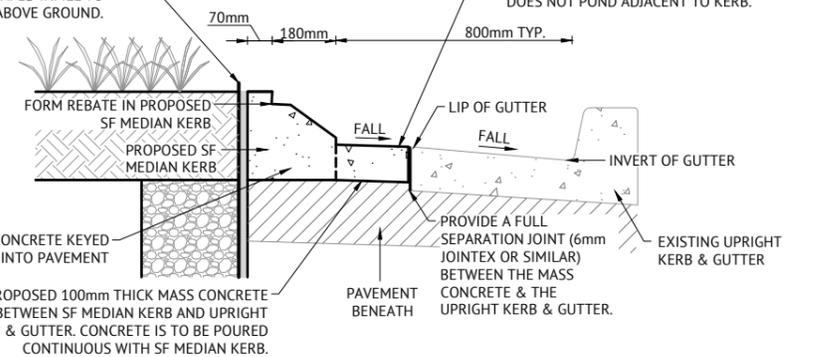


**BEDDING AND BACKFILL DETAIL IN EXISTING ROADWAYS**  
NOT TO SCALE

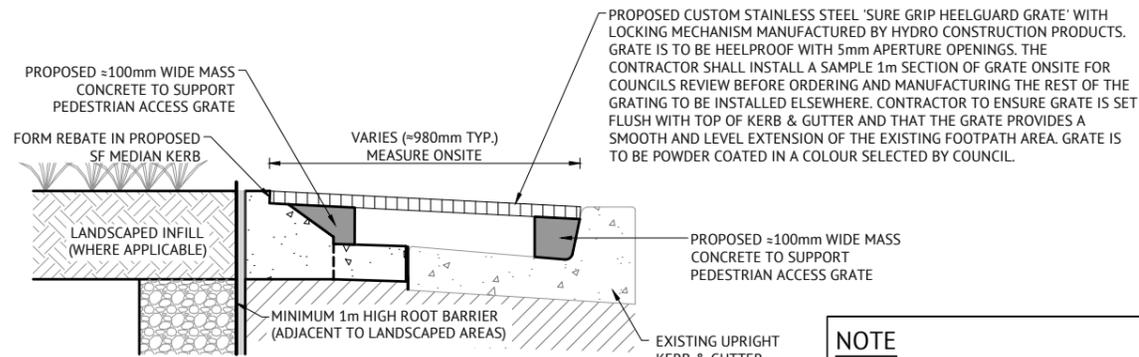
**NOTE**

INSTALL FULL DEPTH ROOT BARRIER ADJACENT TO ALL FOUR SIDES OF STRATAVAULT LANDSCAPING SYSTEMS (REFER TO PLANS BY CLOUSTON ASSOCIATES FOR DETAILS). IN ALL OTHER AREAS OF LANDSCAPING, A MINIMUM 1m HIGH ROOT BARRIER SHALL BE INSTALLED ADJACENT TO THE SF KERB AND CONCRETE EDGE STRIP LANDSCAPED ISLANDS AND PLANTERS. INSTALL ADDITIONAL ROOT BARRIERS ADJACENT TO PROPOSED SERVICES THAT HAVE THE POTENTIAL TO BE IMPACTED BY TREE ROOTS.

INSTALL MINIMUM 1m HIGH ROOT BARRIER ADJACENT TO SF KERB AT ALL LANDSCAPED ISLANDS LEAVING 50mm ABOVE GROUND HEIGHT. TRIM BARRIER FOLLOWING FINAL LANDSCAPED INFILL TO ENSURE BARRIER REMAINS ABOVE GROUND.



**TYPICAL SF MEDIAN KERB LANDSCAPING ISLAND ADJACENT TO UPRIGHT KERB & GUTTER**  
NOT TO SCALE



**PEDESTRIAN ACCESS GRATE DETAIL**  
NOT TO SCALE

**NOTE**

CONTRACTOR TO PERFORM AN ACCURATE MEASURE UP FOR ALL GRATES ONSITE AND GRATES ARE TO BE CUSTOM MANUFACTURED TO SUIT EACH 1m LONG SEGMENT OF KERBING.

**ISSUED FOR CONSTRUCTION**

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19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM SH
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS SH
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS SH

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**EDDIE GOULD**  
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ENGINEERING CERTIFICATION

SCALE  
ORIGINAL SHEET SIZE A1

CLIENT  
**WEDDIN SHIRE COUNCIL**  
PROJECT  
**GRENFELL MAIN STREET RENEWAL**  
LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**  
SHEET TITLE  
**GENERAL NOTES & TYPICAL DETAILS, SHEET 1 OF 2**

JOB CODE  
**220109\_02**  
SHEET NUMBER  
**C002**  
REV  
**L**

### STEEL REINFORCEMENT NOTES

- REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY, IT IS NOT NECESSARILY SHOWN IN TRUE PROJECTION.
- WELDING OF REINFORCEMENT WILL NOT BE PERMITTED UNLESS SHOWN ON THE STRUCTURAL DRAWINGS OR APPROVED IN WRITING BY THE ENGINEER.
- REINFORCEMENT SYMBOLS:
  - R - DENOTES GRADE 250R HOT ROLLED PLAIN BARS TO AS1302.
  - N - DENOTES GRADE D500N DEFORMED BARS TO AS4671.
  - SL or RL - DENOTES SQUARE OR RECTANGULAR GRID DEFORMED REINFORCING FABRIC GRADE D500L TO AS4671.
  - .....TM - DENOTES TRENCH MESH GRADE D500L TO AS4671.
- REINFORCEMENT NOTATION:
  - NUMBER OF BARS IN GROUP
  - BAR GRADE AND TYPE
  - NOMINAL BAR SIZE IN mm
  - SPACING IN mm
- TYPICAL FABRIC LAP:
  - 2 TRANSVERSE WIRES + 25mm
- SPLICES IN THE REINFORCEMENT SHALL BE MADE ONLY IN THE POSITIONS SHOWN. THE WRITTEN APPROVAL OF THE ENGINEER SHALL BE OBTAINED FOR ANY OTHER SPLICES. WHERE THE LAP LENGTH IS NOT SHOWN IT SHALL BE AS PER THE MINIMUM LAP SHOWN BELOW.
- MINIMUM LAP LENGTHS UNLESS NOTED OTHERWISE SHALL BE:
 

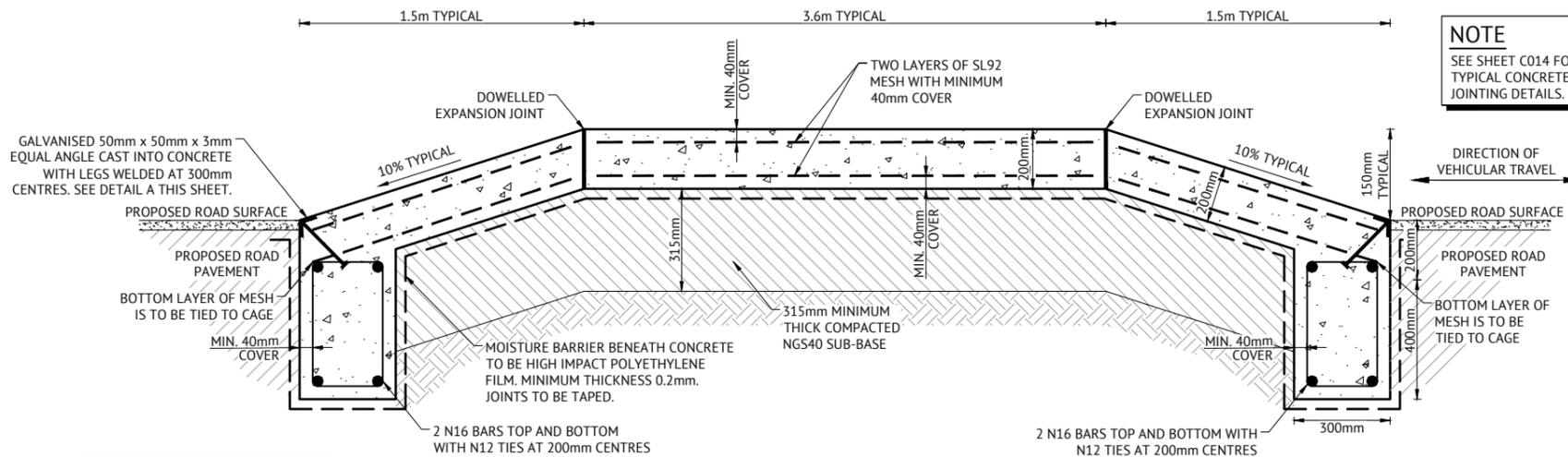
625 FOR N12 BARS	1500 FOR N28 BARS
750 FOR N16 BARS	1875 FOR N32 BARS
1125 FOR N20 BARS	2250 FOR N36 BARS
1250 FOR N24 BARS	
- ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS, PLASTIC CHAIRS OR CONCRETE CHAIRS AT NOT GREATER THAN 900mm CENTRES BOTH WAYS FOR BARS OR 750mm CENTRES FOR FABRIC. BARS SHALL BE TIED AT ALTERNATE INTERSECTIONS.
- REINFORCEMENT LAYERS DENOTED THUS: (UNLESS NOTED OTHERWISE)
  - TT - DENOTES TOP BARS LAID LAST IN TOP
  - T - DENOTES TOP BARS LAID FIRST IN TOP
  - B - DENOTES BOTTOM BARS LAID SECOND IN BTM
  - BB - DENOTES BOTTOM BARS LAID FIRST IN BTM
- WHERE TRANSVERSE BARS ARE NOT SHOWN PROVIDE N12-300, SPLICED WHERE NECESSARY AND LAP WITH MAIN BARS 500mm (UNO.)

### CONCRETE NOTES

- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600-2018 'CONCRETE STRUCTURES' WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
- CONCRETE QUALITY, EXPOSURE CLASSIFICATION AND CLEAR CONCRETE COVER TO ALL REINFORCEMENT FOR DURABILITY IN ACCORDANCE WITH AS 3600-2018, SHALL BE AS FOLLOWS (UNO.)

ELEMENT	GRADE F <sup>c</sup> MIN. (CEMENT)	EXPOSURE CLASS.	SLUMP	MAX. AGGREGATE	COVER (AGAINST GROUND)	COVER (AGAINST OTHER)
BEAMS & SLAB	32	A1	80	20	40	40

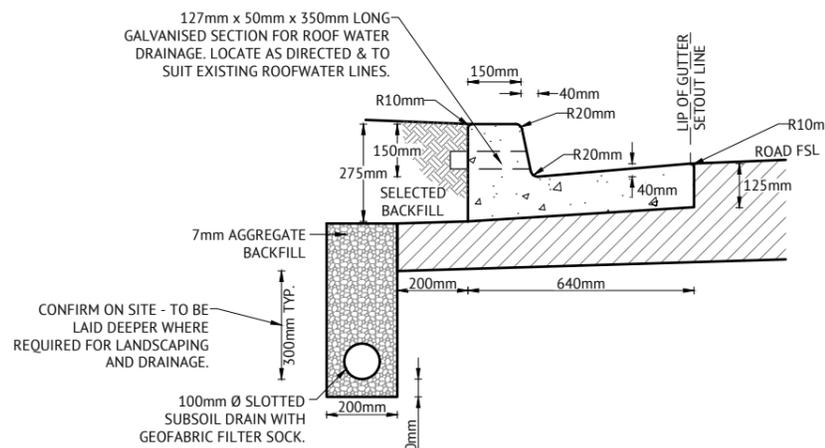
- CEMENT TYPE TO BE GP THROUGHOUT IN ACCORDANCE WITH AS 3972-2010 'PORTLAND BLENDED CEMENTS'.
- NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING.
- PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS 1012.
- SIZES OF CONCRETE ELEMENTS DO NOT INCLUDE THICKNESS OF APPLIED FINISHES.
- CONSTRUCTION JOINTS WHERE NOT SHOWN SHALL BE LOCATED TO THE APPROVAL OF THE ENGINEER.
- NO HOLES OR CHASES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT FIRST THE PRIOR APPROVAL OF THE ENGINEER.
- THE FINISHED CONCRETE SHALL BE A DENSE HOMOGENOUS MASS, COMPLETELY FILLING THE FORMWORK THOROUGHLY EMBEDDING THE REINFORCEMENT & FREE OF STONE POCKETS. ALL CONCRETE INCLUDING SLABS ON GROUND & FOOTINGS SHALL BE COMPACTED WITH MECHANICAL VIBRATORS.
- CURING OF ALL THE CONCRETE IS TO BE ACHIEVED BY KEEPING SURFACES CONTINUOUSLY WET FOR A PERIOD OF 3 DAYS, AND PREVENTION OF LOSS OF MOISTURE FOR A TOTAL OF 7 DAYS FOLLOWED BY A GRADUAL DRYING OUT. APPROVED SPRAY ON CURING COMPOUNDS MAY BE USED WHERE NO FLOOR FINISHES ARE PROPOSED. POLYTHENE SHEETING OR WET HESSIAN MAY BE USED IF PROTECTED FROM WIND AND TRAFFIC.
- CONSTRUCTION SUPPORT PROPPING IS TO BE LEFT IN PLACE WHERE NEEDED TO AVOID OVERSTRESSING THE STRUCTURE DUE TO CONSTRUCTION LOADING.
- FOR CHAMFERS, DRIP GROOVES, REGLETS etc. REFER TO DETAILS, MAINTAIN COVER TO REINFORCEMENT AT THESE DETAILS.
- BEAM DEPTHS ARE WRITTEN FIRST AND INCLUDE SLAB THICKNESS (IF ANY).



**NOTE**  
PROVIDE TACTILE DIRECTIONAL PAVING TO APPROACHES TO RAISED PEDESTRIAN CROSSING AND TO PRAM RAMP IN ACCORDANCE WITH AS 1428.

### TYPICAL RAISED CONCRETE PEDESTRIAN CROSSING REINFORCEMENT DETAILS

NOT TO SCALE  
VERTICALLY EXAGGERATED



### TYPICAL SECTION UPRIGHT KERB AND GUTTER DETAIL

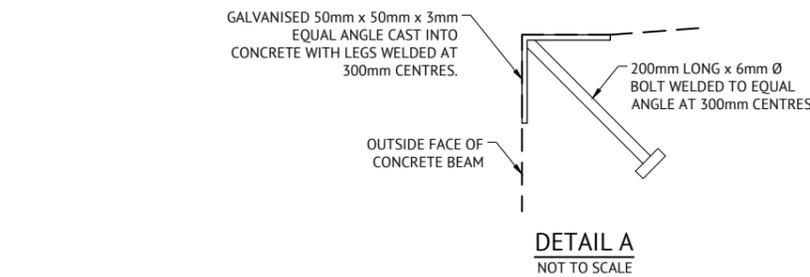
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### CONCRETE FOOTPATH JOINTING DETAIL

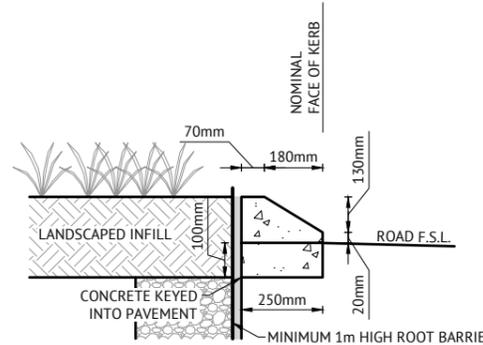
NOT TO SCALE

**NOTE**  
ALL PROPOSED CONCRETE KERB AND GUTTER AND FOOTPATH WORKS ARE TO BE CONSTRUCTED USING WASHED WHITE RIVER PEBBLE COARSE AGGREGATE AND BROWN COLOURED SAND FINE AGGREGATE. GREY COLOURED AGGREGATE IS NOT TO BE USED. FOOTPATH AREAS ARE TO BE JOINTED TO MATCH THAT OF THE EXISTING STREET THREE PANEL JOINTING LAYOUT PATTERN (REFER TYPICAL JOINTING PATTERN IMAGE THIS SHEET). REFER TO PLANS PREPARED BY CLOUSTON ASSOCIATES FOR LOCATIONS OF FOOTPATH WORKS.



### DETAIL A

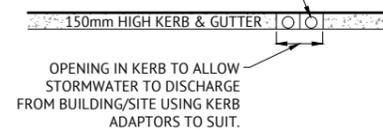
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### SF MEDIAN KERB DETAIL

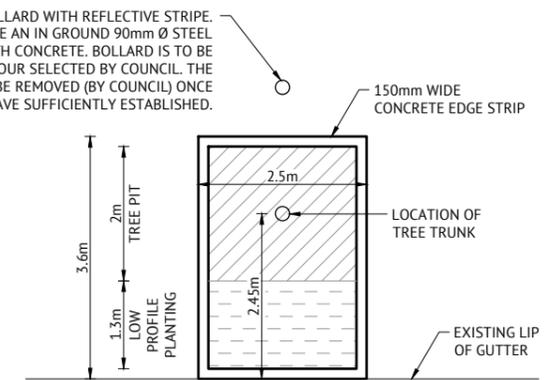
NOT TO SCALE

INSTALL 100mm Ø KERB ADAPTORS (OR RHS EQUIVALENT) TO SUIT KERB PROFILE. KERB TO BE SAW CUT TO CREATE OPENING. KERB ADAPTOR FIXING AND REPAIR TO KERB IS TO BE CARRIED OUT USING AN EPOXY RESIN ONLY.



### KERB ADAPTOR TYPICAL DETAIL

NOT TO SCALE



### TYPICAL PLANTER WITH CONCRETE EDGE STRIP

NOT TO SCALE

SETOUT POINT CORRESPONDS TO CENTRE OF PIT FOR GRATED PITS AND JUNCTION PITS.  
SETOUT POINT CORRESPONDS TO BACK OF GRATE ON INVERT OF KERB ALIGNMENT. GRATE LEVEL IS INVERT OF KERB LEVEL.



### STORMWATER PIT SETOUT DETAIL

NOT TO SCALE

**NOTE**  
SEE SHEET C014 FOR TYPICAL CONCRETE JOINTING DETAILS.

### GENERAL FOOTPATH NOTES

- DOWELS ARE TO BE ACCURATELY ALIGNED PARALLEL TO THE PAVEMENT SURFACE AND PAVEMENT EDGE.
- EXPANSION JOINTS SHALL BE FILLED WITH 6mm THICK BITUMINOUS MATERIAL (JOINTEX OR SIMILAR).
- CONCRETE TO BE 25MPa, SLUMP 75mm AND MAXIMUM AGGREGATE SIZE OF 20mm.
- CONCRETE TO HAVE A STIFF BRISTLED BROOM FINISH TRANSVERSE TO THE PAVEMENT ALIGNMENT.
- NO HEAVY VEHICLES ARE ALLOWED ON THE PAVEMENT.
- SL72 MESH TO BE PLACED CENTRALLY IN CONCRETE PATHWAY.
- FINAL DIRECTION AS TO LINE AND LEVEL SHALL BE GIVEN ON SITE BY THE SUPERINTENDENT OF WORKS AND CONFIRMED BY WEDDIN SHIRE COUNCIL.
- ALL EDGES TO BE ROUNDED WITH A SUITABLE EDGING TOOL.
- THE MAXIMUM CROSSFALL FOR ALL FOOTPATHS IS TO BE NO GREATER THAN 2%.
- ALL WORKS ARE TO BE UNDERTAKEN GENERALLY IN ACCORDANCE WITH DUBBO REGIONAL COUNCIL STANDARD DRAWING STD 5251 (AS SPECIFIED IN THE CIVIL SPECIFICATION).

### SUBSOIL DRAINAGE NOTES

- SUBSOIL DRAINS TO BE CONSTRUCTED IN ACCORDANCE WITH THE CIVIL SPECIFICATION & THE REQUIREMENTS OF WEDDIN SHIRE COUNCIL.
- SUBSOIL DRAINS SHALL BE LAID AT A MINIMUM GRADE OF 0.5% AND HAVE FLUSHING POINTS AT THE END AND AT 60 METRE SPACINGS.
- SUBSOIL DRAINS SHALL BE CONNECTED INTO STORMWATER PITS APPROXIMATELY 500mm ABOVE THE BASE OF THE STORMWATER PIT WHERE DEPTH PERMITS. SUBSOIL DRAINS TO BE LAID DEEPER WHERE REQUIRED TO FACILITATE DRAINAGE TO LANDSCAPING ISLANDS AND STRATAVAULT TREE SYSTEMS.
- SUBSOIL DRAINS BENEATH ROAD TRAVEL LANES ARE TO HAVE MINIMUM 600mm COVER.

### ISSUED FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG
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04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH



**DUBBO OFFICE**  
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62 WINGEWARRA STREET  
DUBBO, NSW 2830  
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WEB: www.premise.com.au

DESIGNED  
**NICHOLLE STEVENSON**  
CHECKED  
**EDDIE GOULD**  
PROJECT MANAGER  
**EDDIE GOULD**  
ENGINEERING CERTIFICATION

SCALE

ORIGINAL SHEET SIZE A1

CLIENT

**WEDDIN SHIRE COUNCIL**

PROJECT **GRENFELL MAIN STREET RENEWAL**

LOCATION **MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE **GENERAL NOTES & TYPICAL DETAILS, SHEET 2 OF 2**

JOB CODE

**220109\_02**

SHEET NUMBER

**C003**

REV

**L**

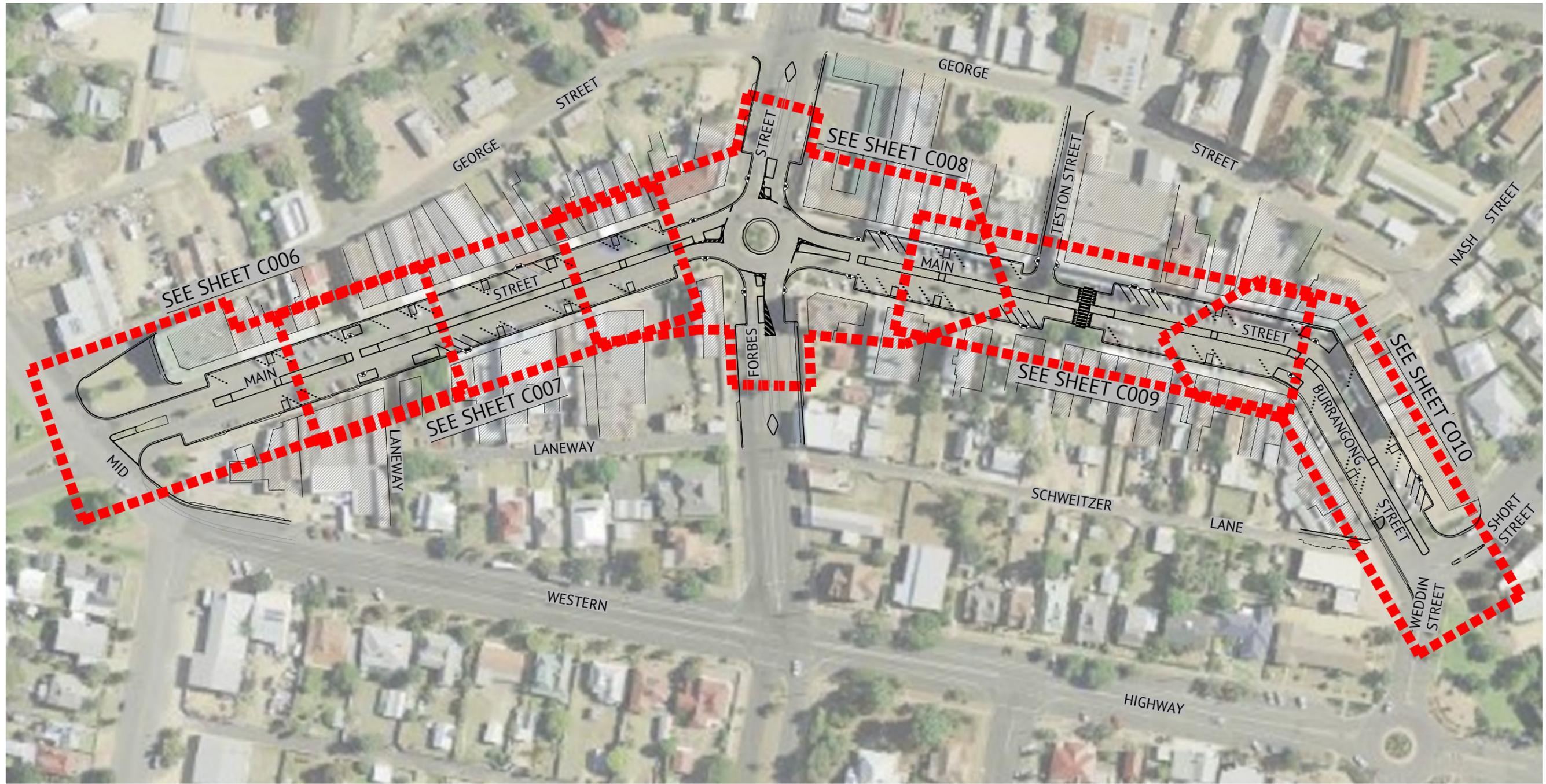


IMAGE SOURCE: SIX MAPS

**NOTE**  
 PROPOSED CENTRAL MEDIAN ISLANDS ARE TO TYPICALLY BE LANDSCAPED. REFER TO CLOUSTON ASSOCIATES FOR ALL LANDSCAPING DETAILS.

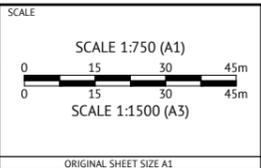
**NOTE**  
 THIS PLAN IS TO BE PRINTED AND READ IN COLOUR.

**NOTE**  
 BUILDING AWNINGS AND VERANDAHS ARE NOW SHOWN IN THESE DRAWINGS.

ISSUED FOR CONSTRUCTION					
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04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH	
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH	
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH	
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH	

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CLIENT  
**WEDDIN SHIRE COUNCIL**

PROJECT  
**GRENFELL MAIN STREET RENEWAL**

LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE  
**OVERALL LAYOUT PLAN**

JOB CODE  
**220109\_02**

SHEET NUMBER  
**C004**

REV  
**L**

**NOTES**

1. THE WORKS ARE TO BE CONSTRUCTED IN FOUR INDIVIDUAL STAGES AND THE CIVIL CONSTRUCTION WORKS (TO PRIMER SEAL) ARE TO BE COMPLETED IN EACH STAGE PRIOR TO MOVING TO THE NEXT STAGE.
2. THE STAGING SHOWN ON THIS SHEET IS INDICATIVE ONLY AND THE EXTENTS OF EACH STAGE'S WORK ZONE IS TO BE DETERMINED BY THE CONTRACTOR AND IN CONSULTATION WITH WEDDIN SHIRE COUNCIL. FINAL AC SEAL AND TREE PLANTING FOR THE FULL LENGTH OF THE ROAD MAY BE UNDERTAKEN NEAR COMPLETION OF THE PROJECT.
3. ACCESS TO BUSINESSES AND PROPERTIES IS TO BE MAINTAINED DURING ALL STAGES. DURING STAGES 1, 3 AND 4 THE WORKS ARE TO BE GENERALLY CONSTRUCTED IN TWO HALVES OF THE ROAD AND MINIMUM ONE WAY TRAFFIC AND ONE LANE OF PARALLEL PARKING FOR THE FULL LENGTH OF THE STAGE IS TO REMAIN OPEN - AN ACCESS POINT THROUGH THE MID POINT OF THE WORK ZONE IS TO BE PROVIDED FOR PEDESTRIANS TO SAFELY TRAVEL TO THE OTHER SIDE OF THE ROAD.
4. THE CONTRACTOR SHALL LIAISE WITH ALL BUSINESSES DURING EACH WORK ZONE AND ENSURE DISTURBANCE IS KEPT TO A MINIMUM.
5. A VACANT PARCEL OF LAND (LOTS 15 AND 16, SECTION 31, DP 758473) LOCATED ON THE CORNER OF CAMP STREET AND WEST STREET WILL BE PROVIDED BY WEDDIN SHIRE COUNCIL FOR THE CONTRACTOR TO USE AS A CONSTRUCTION COMPOUND FOR THE DURATION OF THE PROJECT (SEE LOCATION DIAGRAM ON SHEET C007). DURING STAGE 2, THE ROUNDABOUT MAY BE CLOSED TO TRAFFIC FOR A PERIOD OF UP TO SIX WEEKS TO COMPLETE THE WORKS HOWEVER PEDESTRIAN ACCESS TO BUSINESSES MUST BE MAINTAINED AT ALL TIMES.

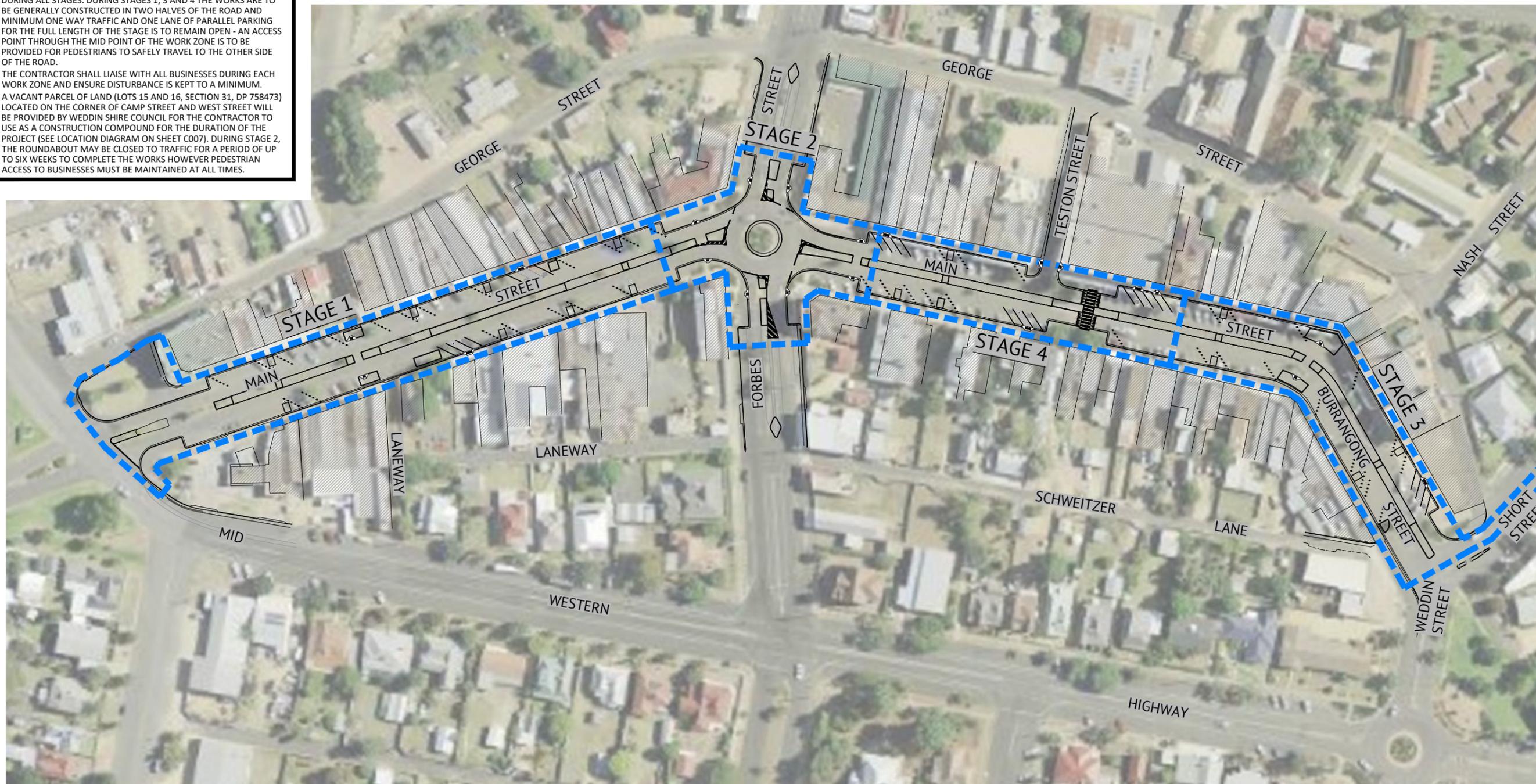


IMAGE SOURCE: SIX MAPS

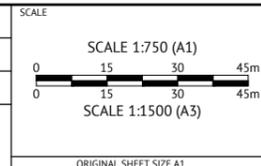
**NOTE**  
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CLIENT **WEDDIN SHIRE COUNCIL**

PROJECT **GRENFELL MAIN STREET RENEWAL**

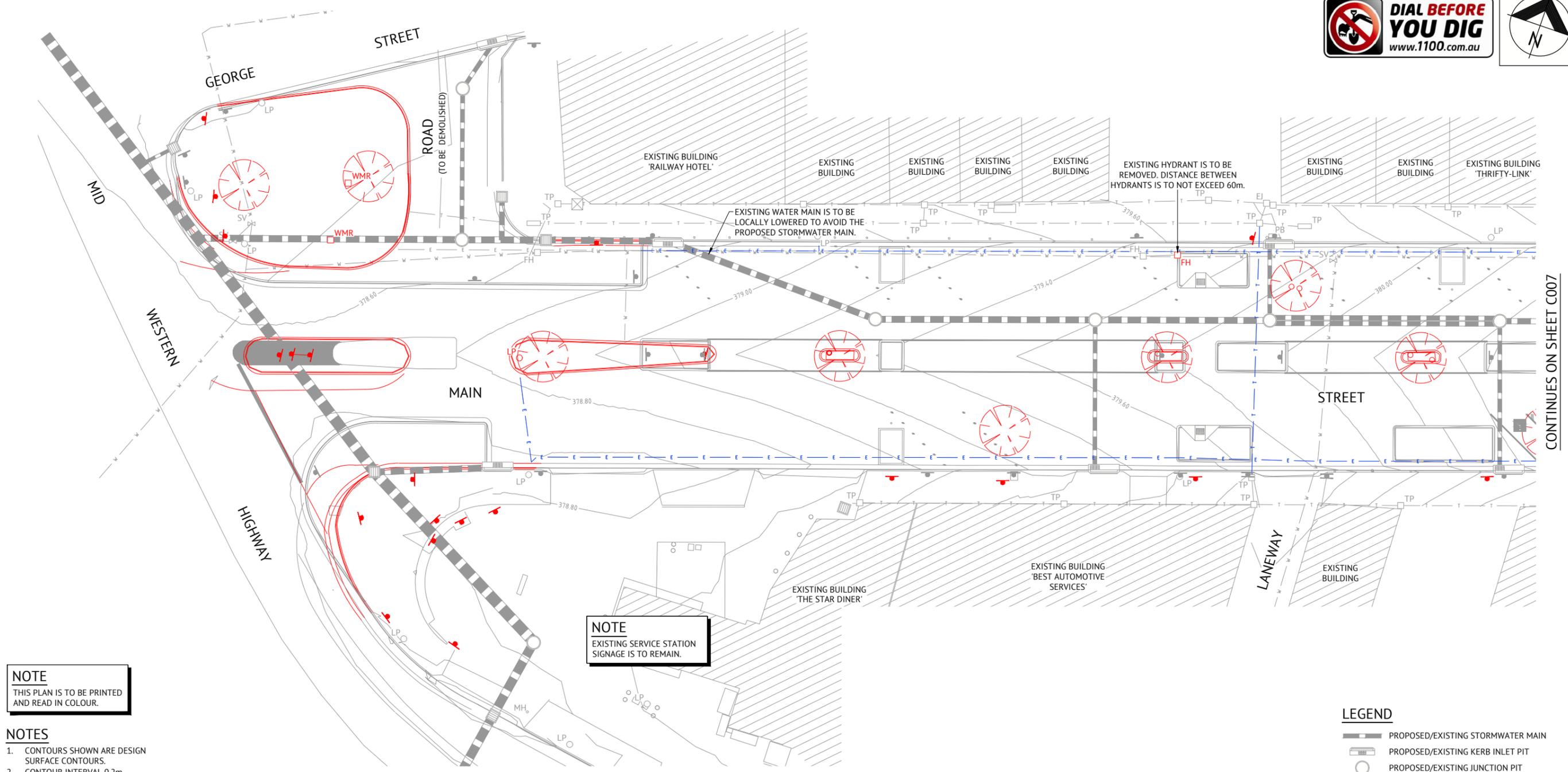
LOCATION **MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE **STAGING PLAN**

JOB CODE  
**220109\_02**

SHEET NUMBER  
**C005**

REV  
**L**



CONTINUES ON SHEET C007

**NOTE**  
THIS PLAN IS TO BE PRINTED AND READ IN COLOUR.

- NOTES**
1. CONTOURS SHOWN ARE DESIGN SURFACE CONTOURS.
  2. CONTOUR INTERVAL 0.2m.

**NOTE**  
EXISTING SERVICE STATION SIGNAGE IS TO REMAIN.



**SITE LOCALITY KEY**  
NOT TO SCALE

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**NOTE**  
DEMOLISH AND REMOVE EXISTING FOOTPATH AND ROAD PAVEMENT IN ALL AREAS OF PROPOSED PAVEMENT RECONSTRUCTION AND FOOTPATH WORKS.

**NOTE**  
ALL WORKS SHOWN COLOUR RED ARE TO BE DEMOLISHED OR REMOVED AND APPROPRIATELY DISPOSED OF OR REUSED (IF POSSIBLE).

**NOTE**  
ALL TREES TO BE REMOVED ARE TO HAVE THEIR ROOTS REMOVED AND GRUBBED. EXCAVATION TO BE FILLED TO SUB-GRADE LEVEL WITH SUB-BASE MATERIAL IN ACCORDANCE WITH THE GEOTECH REPORT.

**LEGEND**

- PROPOSED/EXISTING STORMWATER MAIN
- PROPOSED/EXISTING KERB INLET PIT
- PROPOSED/EXISTING JUNCTION PIT
- EXISTING WATER MAIN
- EXISTING TELECOMMUNICATIONS CABLES
- EXISTING UNDERGROUND ELECTRICAL CABLES
- EXISTING GRATED INLET PIT
- PROPOSED/EXISTING WATER METER
- PROPOSED/EXISTING HYDRANT
- EXISTING TELECOMMUNICATIONS PIT
- EXISTING TELSTRA ELEVATED JOINT
- EXISTING POWER BOX
- EXISTING LIGHT POLE
- EXISTING STOP VALVE
- EXISTING CELLAR DOOR
- PROPOSED SIGN
- EXISTING SIGN
- EXISTING TREE

**NOTE**  
ALL EXISTING SIGNAGE IN THE AREA OF WORKS IS TO BE REMOVED AS ADVISED TO PREMISE BY CLOUSTON ASSOCIATES.

**NOTE**  
REFER TO SEPARATE PLANS PREPARED BY CLOUSTON FOR DETAILS OF ALL PROPOSED LANDSCAPING AND BUILT FORM FEATURES.

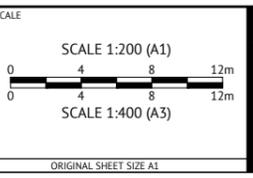
**ISSUED FOR CONSTRUCTION**

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CHECKED  
**EDDIE GOULD**  
PROJECT MANAGER  
**EDDIE GOULD**  
ENGINEERING CERTIFICATION



CLIENT **WEDDIN SHIRE COUNCIL**

PROJECT **GRENFELL MAIN STREET RENEWAL**

LOCATION **MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE **DEMOLITION LAYOUT PLAN, SHEET 1 OF 5**

JOB CODE

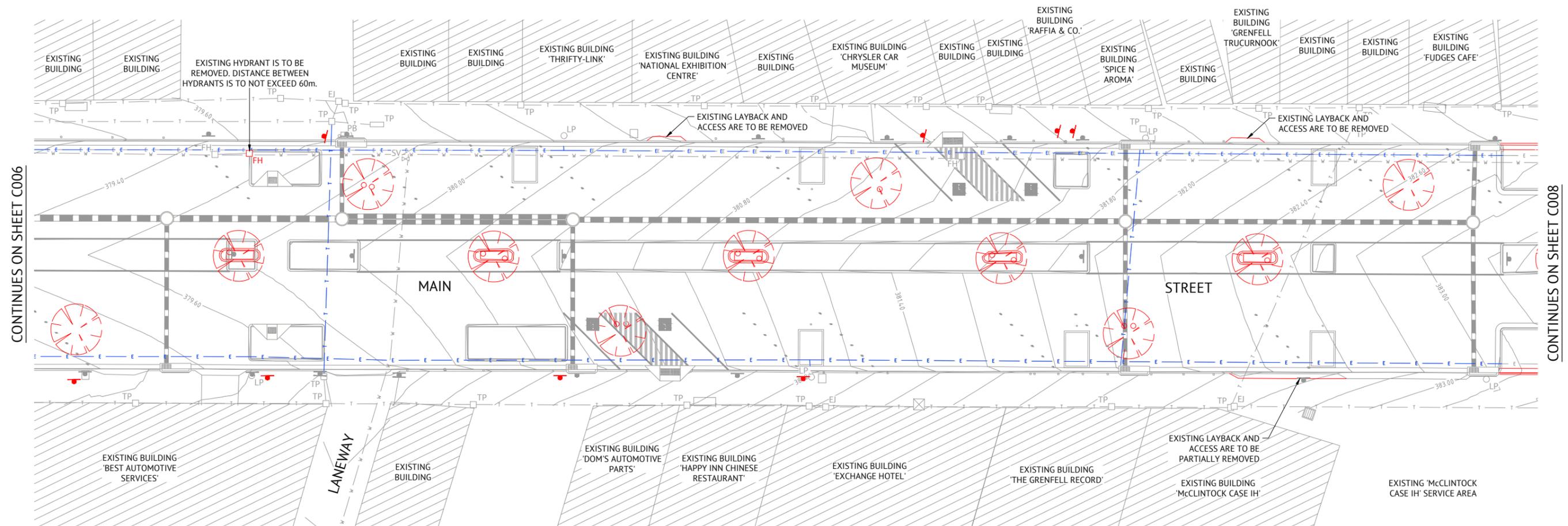
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SHEET NUMBER

**C006**

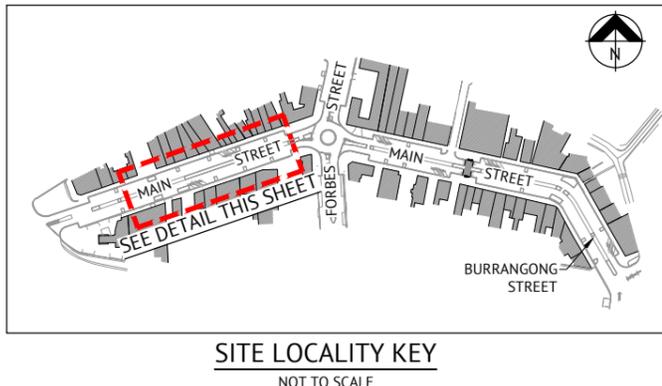
REV

**L**



**NOTE**  
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- NOTES**
1. CONTOURS SHOWN ARE DESIGN SURFACE CONTOURS.
  2. CONTOUR INTERVAL 0.2m.



**NOTE**  
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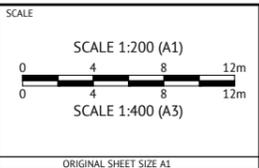
- LEGEND**
- PROPOSED/EXISTING STORMWATER MAIN
  - PROPOSED/EXISTING KERB INLET PIT
  - PROPOSED/EXISTING JUNCTION PIT
  - EXISTING WATER MAIN
  - EXISTING TELECOMMUNICATIONS CABLES
  - EXISTING UNDERGROUND ELECTRICAL CABLES
  - EXISTING GRATED INLET PIT
  - WMR PROPOSED/EXISTING WATER METER
  - FH PROPOSED/EXISTING HYDRANT
  - TP EXISTING TELECOMMUNICATIONS PIT
  - EJ EXISTING TELSTRA ELEVATED JOINT
  - PB EXISTING POWER BOX
  - LP EXISTING LIGHT POLE
  - SV EXISTING STOP VALVE
  - CD EXISTING CELLAR DOOR
  - PROPOSED SIGN
  - EXISTING SIGN
  - EXISTING TREE

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DESIGNED: NICHOLLE STEVENSON  
CHECKED: EDDIE GOULD  
PROJECT MANAGER: EDDIE GOULD  
ENGINEERING CERTIFICATION



CLIENT: **WEDDIN SHIRE COUNCIL**

PROJECT: **GRENFELL MAIN STREET RENEWAL**

LOCATION: **MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE: **DEMOLITION LAYOUT PLAN, SHEET 2 OF 5**

JOB CODE	220109_02
SHEET NUMBER	C007
REV	L

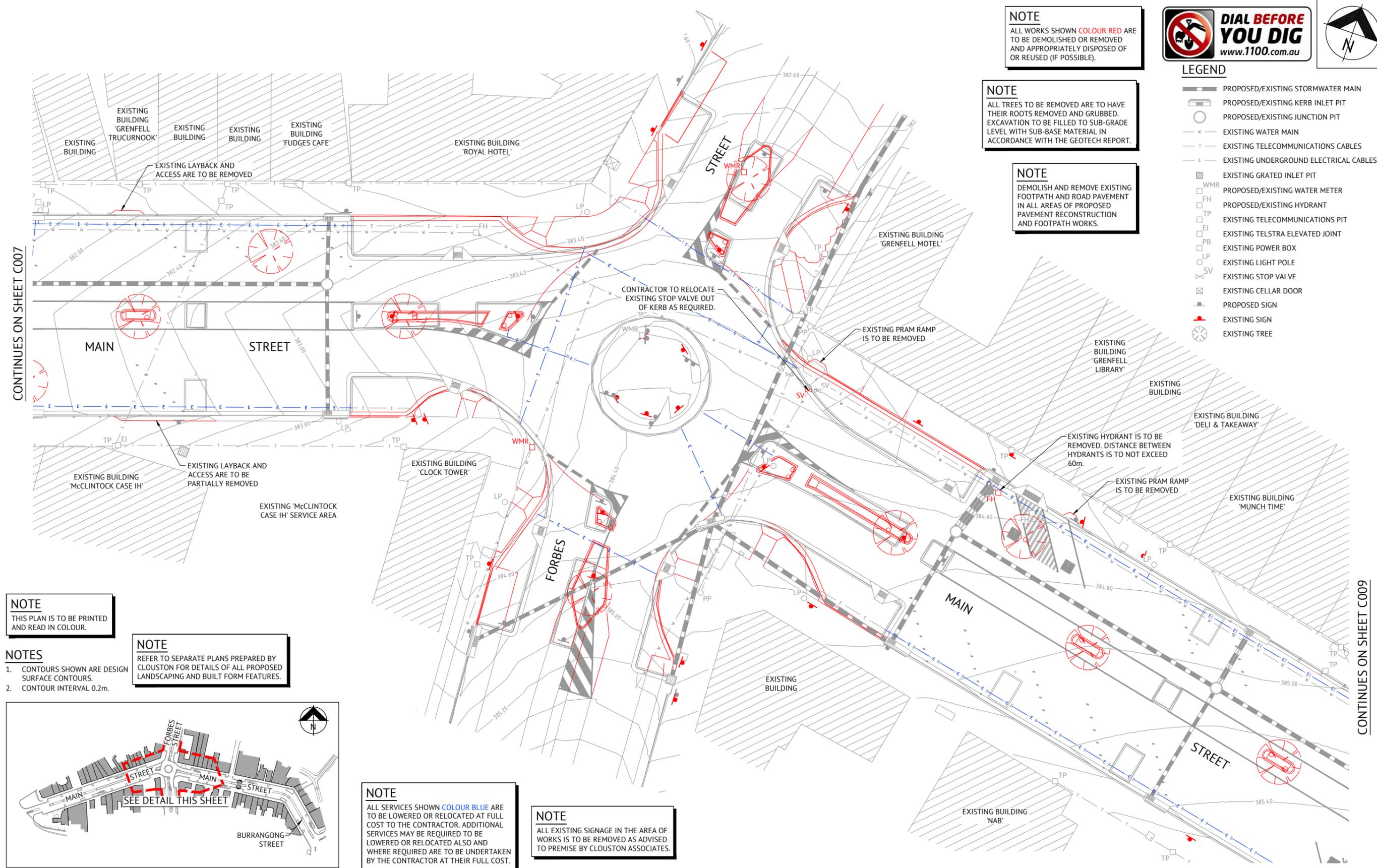


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  - PROPOSED/EXISTING KERB INLET PIT
  - PROPOSED/EXISTING JUNCTION PIT
  - EXISTING WATER MAIN
  - EXISTING TELECOMMUNICATIONS CABLES
  - EXISTING UNDERGROUND ELECTRICAL CABLES
  - EXISTING GRATED INLET PIT
  - PROPOSED/EXISTING WATER METER
  - PROPOSED/EXISTING HYDRANT
  - EXISTING TELECOMMUNICATIONS PIT
  - EXISTING TELSTRA ELEVATED JOINT
  - EXISTING POWER BOX
  - EXISTING LIGHT POLE
  - EXISTING STOP VALVE
  - EXISTING CELLAR DOOR
  - PROPOSED SIGN
  - EXISTING SIGN
  - EXISTING TREE



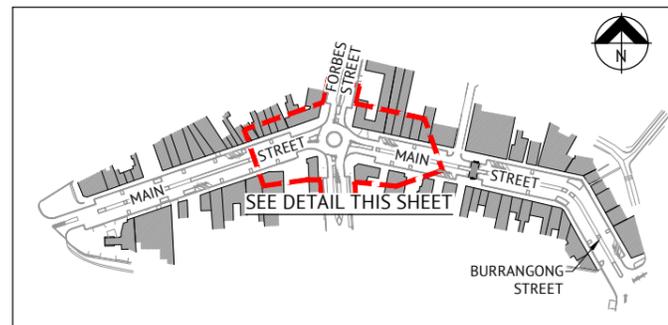
CONTINUES ON SHEET C007

CONTINUES ON SHEET C009

**NOTE**  
THIS PLAN IS TO BE PRINTED AND READ IN COLOUR.

- NOTES**
- CONTOURS SHOWN ARE DESIGN SURFACE CONTOURS.
  - CONTOUR INTERVAL 0.2m.

**NOTE**  
REFER TO SEPARATE PLANS PREPARED BY CLOUSTON FOR DETAILS OF ALL PROPOSED LANDSCAPING AND BUILT FORM FEATURES.



**SITE LOCALITY KEY**  
NOT TO SCALE

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**NICHOLLE STEVENSON**  
CHECKED  
**EDDIE GOULD**  
PROJECT MANAGER  
**EDDIE GOULD**  
ENGINEERING CERTIFICATION

SCALE

SCALE 1:200 (A1)

SCALE 1:400 (A3)

ORIGINAL SHEET SIZE A1

CLIENT  
**WEDDIN SHIRE COUNCIL**

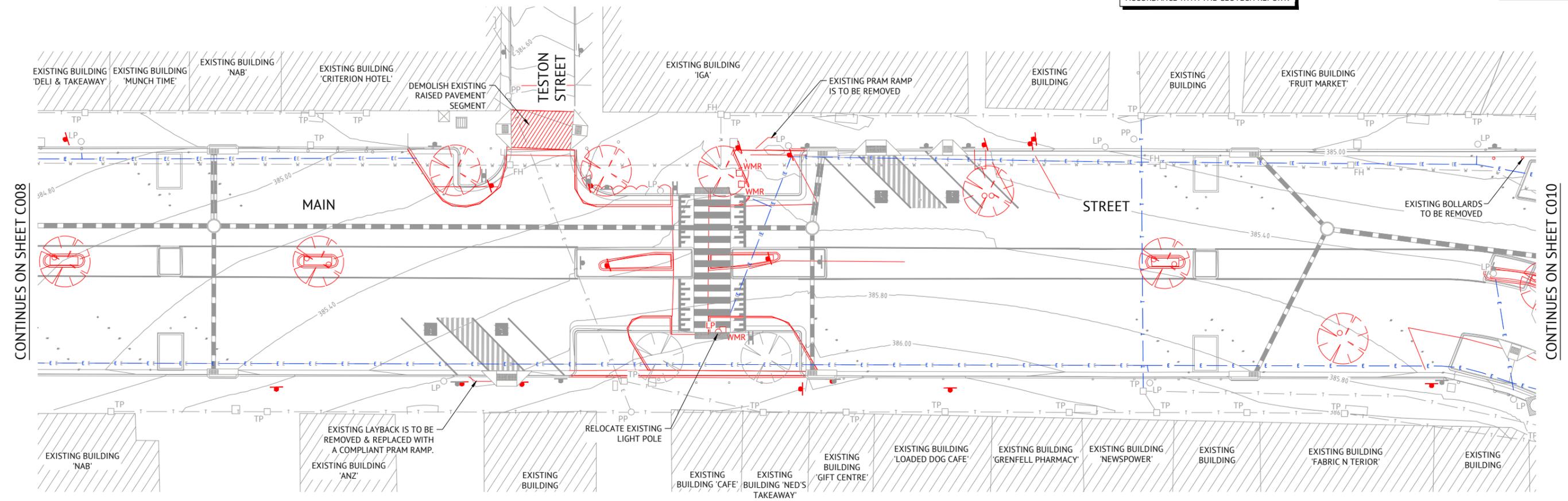
PROJECT  
**GRENFELL MAIN STREET RENEWAL**

LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE  
**DEMOLITION LAYOUT PLAN, SHEET 3 OF 5**

JOB CODE	<b>220109_02</b>
SHEET NUMBER	<b>C008</b>
REV	<b>L</b>

**NOTE**  
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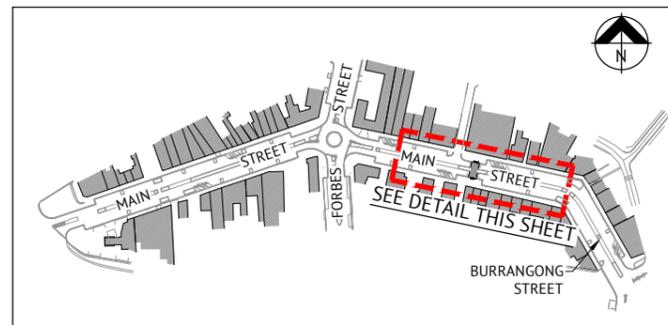


CONTINUES ON SHEET C008

CONTINUES ON SHEET C010

**NOTE**  
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- NOTES**
1. CONTOURS SHOWN ARE DESIGN SURFACE CONTOURS.
  2. CONTOUR INTERVAL 0.2m.



**SITE LOCALITY KEY**  
 NOT TO SCALE

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**NOTE**  
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**NOTE**  
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**LEGEND**

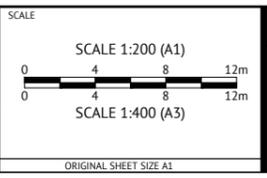
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	PROPOSED/EXISTING KERB INLET PIT
	PROPOSED/EXISTING JUNCTION PIT
	EXISTING WATER MAIN
	EXISTING TELECOMMUNICATIONS CABLES
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	EXISTING TELECOMMUNICATIONS PIT
	EXISTING TELSTRA ELEVATED JOINT
	EXISTING POWER BOX
	EXISTING LIGHT POLE
	EXISTING STOP VALVE
	EXISTING CELLAR DOOR
	PROPOSED SIGN
	EXISTING SIGN
	EXISTING TREE

**ISSUED FOR CONSTRUCTION**

DATE	REV	DESCRIPTION	REC	APP
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG
23/07/2021	K	CLIENT AMENDMENTS (BURRANGONG STREET STORMWATER AMENDED) & ISSUED FOR APPROVAL	BW	SIH
04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH

**DUBBO OFFICE**  
 1ST FLOOR  
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 DUBBO, NSW 2830  
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 WEB: www.premise.com.au

DESIGNED  
 NICHOLLE STEVENSON  
 CHECKED  
 EDDIE GOULD  
 PROJECT MANAGER  
 EDDIE GOULD  
 ENGINEERING CERTIFICATION



CLIENT  
**WEDDIN SHIRE COUNCIL**

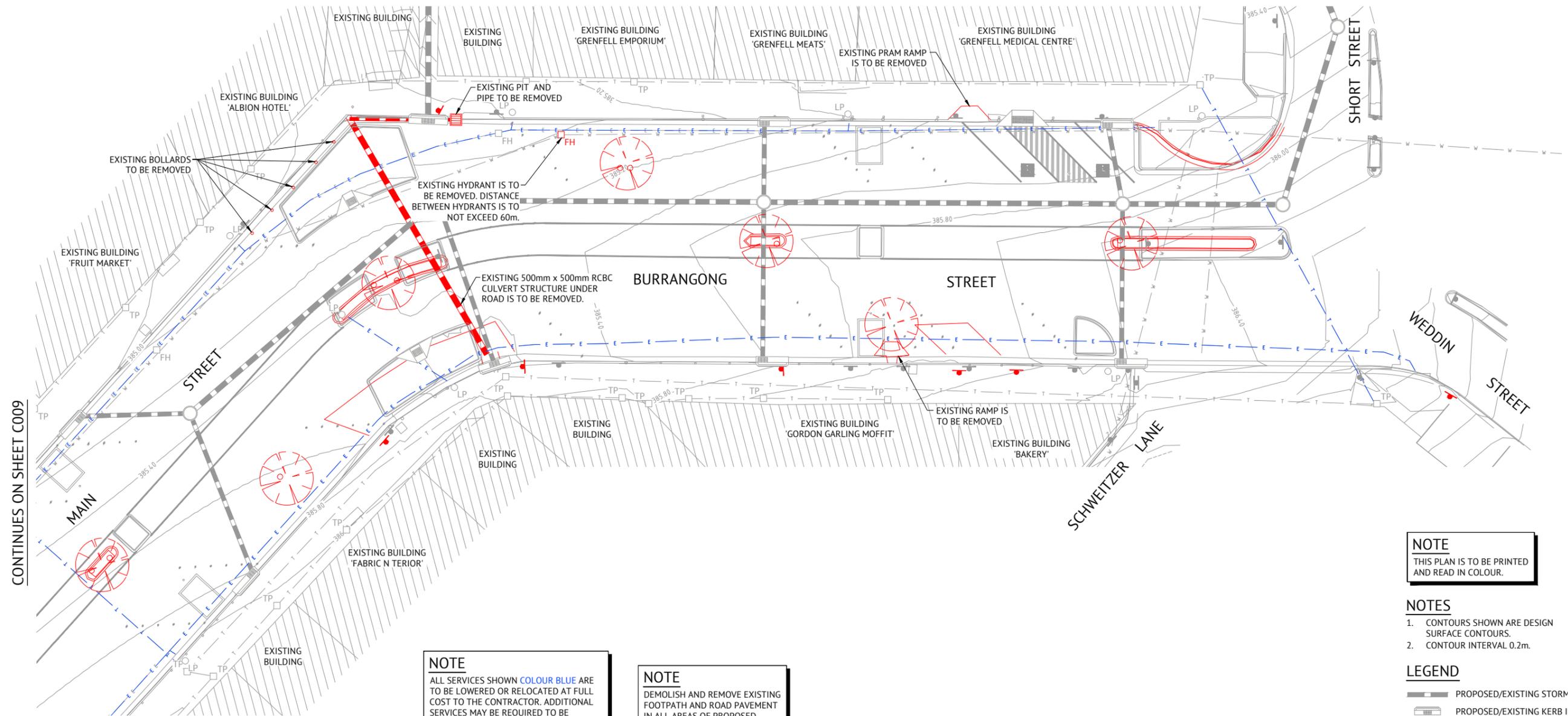
PROJECT  
**GRENFELL MAIN STREET RENEWAL**

LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE  
**DEMOLITION LAYOUT PLAN, SHEET 4 OF 5**

JOB CODE  
**220109\_02**

SHEET NUMBER	REV
C009	L



CONTINUES ON SHEET C009

**NOTE**  
THIS PLAN IS TO BE PRINTED AND READ IN COLOUR.

- NOTES**
1. CONTOURS SHOWN ARE DESIGN SURFACE CONTOURS.
  2. CONTOUR INTERVAL 0.2m.

- LEGEND**
- PROPOSED/EXISTING STORMWATER MAIN
  - PROPOSED/EXISTING KERB INLET PIT
  - PROPOSED/EXISTING JUNCTION PIT
  - EXISTING WATER MAIN
  - EXISTING TELECOMMUNICATIONS CABLES
  - EXISTING UNDERGROUND ELECTRICAL CABLES
  - EXISTING GRATED INLET PIT
  - PROPOSED/EXISTING WATER METER
  - PROPOSED/EXISTING HYDRANT
  - EXISTING TELECOMMUNICATIONS PIT
  - EXISTING TELSTRA ELEVATED JOINT
  - EXISTING POWER BOX
  - EXISTING LIGHT POLE
  - EXISTING STOP VALVE
  - EXISTING CELLAR DOOR
  - PROPOSED SIGN
  - EXISTING SIGN
  - EXISTING TREE

**NOTE**  
ALL SERVICES SHOWN COLOUR BLUE ARE TO BE LOWERED OR RELOCATED AT FULL COST TO THE CONTRACTOR. ADDITIONAL SERVICES MAY BE REQUIRED TO BE LOWERED OR RELOCATED ALSO AND WHERE REQUIRED ARE TO BE UNDERTAKEN BY THE CONTRACTOR AT THEIR FULL COST.

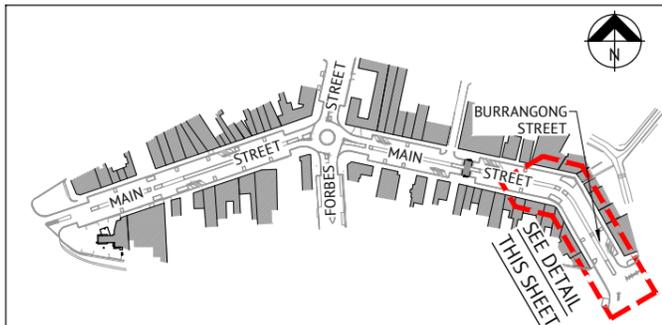
**NOTE**  
DEMOLISH AND REMOVE EXISTING FOOTPATH AND ROAD PAVEMENT IN ALL AREAS OF PROPOSED PAVEMENT RECONSTRUCTION AND FOOTPATH WORKS.

**NOTE**  
ALL WORKS SHOWN COLOUR RED ARE TO BE DEMOLISHED OR REMOVED AND APPROPRIATELY DISPOSED OF OR REUSED (IF POSSIBLE).

**NOTE**  
ALL TREES TO BE REMOVED ARE TO HAVE THEIR ROOTS REMOVED AND GRUBBED. EXCAVATION TO BE FILLED TO SUB-GRADE LEVEL WITH SUB-BASE MATERIAL IN ACCORDANCE WITH THE GEOTECH REPORT.

**NOTE**  
REFER TO SEPARATE PLANS PREPARED BY CLOUSTON FOR DETAILS OF ALL PROPOSED LANDSCAPING AND BUILT FORM FEATURES.

**NOTE**  
ALL EXISTING SIGNAGE IN THE AREA OF WORKS IS TO BE REMOVED AS ADVISED TO PREMISE BY CLOUSTON ASSOCIATES.



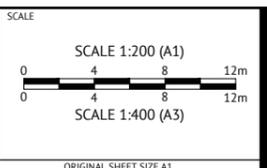
**SITE LOCALITY KEY**  
NOT TO SCALE

ISSUED FOR CONSTRUCTION					
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04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH	
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CLIENT  
**WEDDIN SHIRE COUNCIL**

PROJECT  
**GRENFELL MAIN STREET RENEWAL**

LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

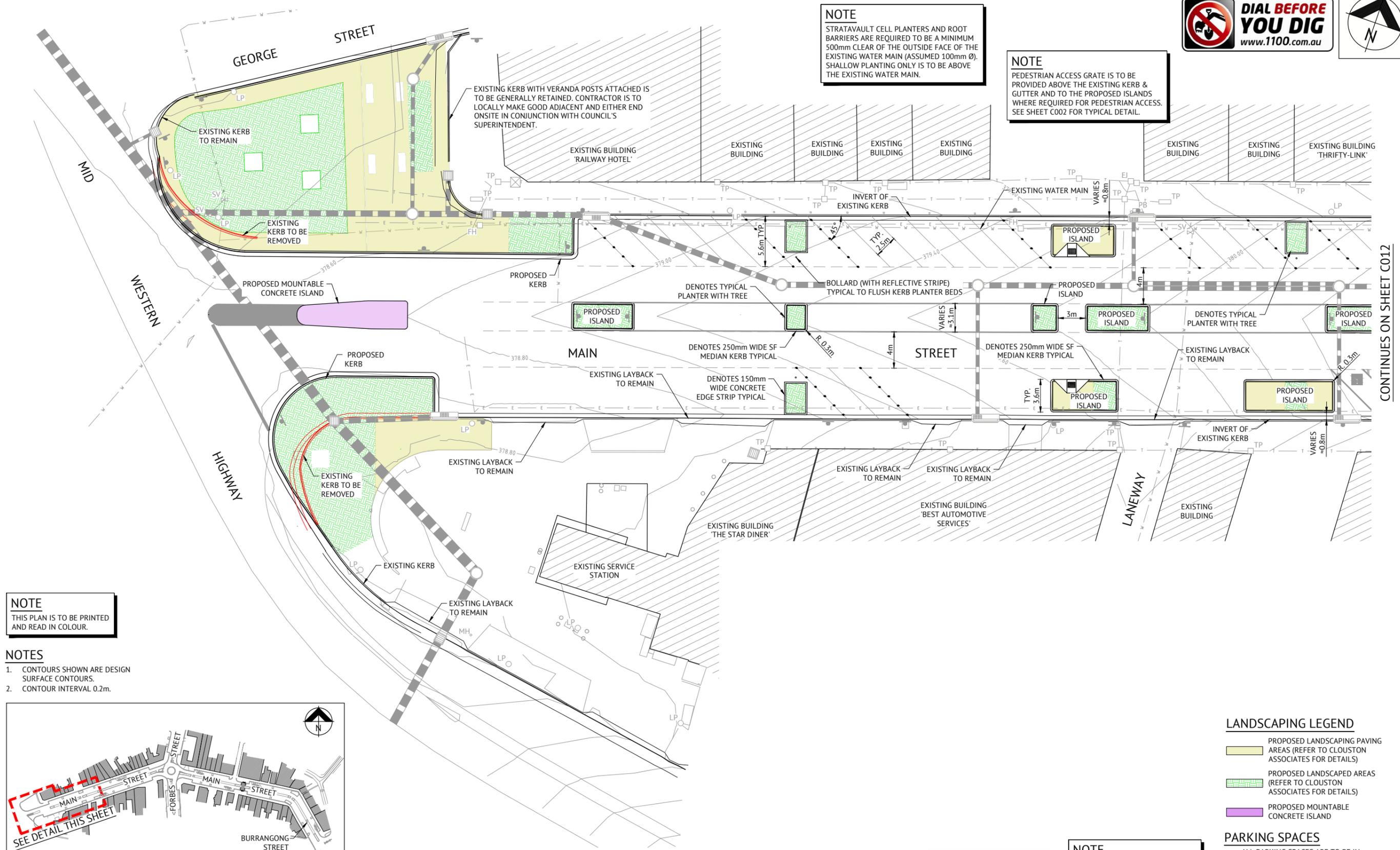
SHEET TITLE  
**DEMOLITION LAYOUT PLAN, SHEET 5 OF 5**

JOB CODE <b>220109_02</b>	
SHEET NUMBER <b>C010</b>	REV <b>L</b>



**NOTE**  
STRATAVAULT CELL PLANTERS AND ROOT BARRIERS ARE REQUIRED TO BE A MINIMUM 500mm CLEAR OF THE OUTSIDE FACE OF THE EXISTING WATER MAIN (ASSUMED 100mm Ø). SHALLOW PLANTING ONLY IS TO BE ABOVE THE EXISTING WATER MAIN.

**NOTE**  
PEDESTRIAN ACCESS GRATE IS TO BE PROVIDED ABOVE THE EXISTING KERB & GUTTER AND TO THE PROPOSED ISLANDS WHERE REQUIRED FOR PEDESTRIAN ACCESS. SEE SHEET C002 FOR TYPICAL DETAIL.



CONTINUES ON SHEET C012

**NOTE**  
THIS PLAN IS TO BE PRINTED AND READ IN COLOUR.

- NOTES**
1. CONTOURS SHOWN ARE DESIGN SURFACE CONTOURS.
  2. CONTOUR INTERVAL 0.2m.



**LANDSCAPING LEGEND**

- PROPOSED LANDSCAPING PAVING AREAS (REFER TO CLOUSTON ASSOCIATES FOR DETAILS)
- PROPOSED LANDSCAPED AREAS (REFER TO CLOUSTON ASSOCIATES FOR DETAILS)
- PROPOSED MOUNTABLE CONCRETE ISLAND

**PARKING SPACES**

- ALL PARKING SPACES ARE TO BE IN ACCORDANCE WITH AS 2890.5-2020;
- DELINEATOR DOTS ARE TO BE GENERALLY USED AT THE END OF A PARKING ROW TO INDICATE PARKING ANGLE (AS REQUESTED BY COUNCIL'S LOCAL TRAFFIC COMMITTEE).

**NOTE**  
EXISTING BUILDING NAMES ARE INDICATIVE ONLY.

**NOTE**  
EXISTING SERVICES TO BE ADJUSTED WHERE REQUIRED.

**NOTE**  
FIRE HYDRANTS TO BE RELOCATED OUT OF VEHICLE PARKING SPACES WHERE REQUIRED.

**NOTE**  
BOLLARDS TO FLUSH KERB PLANTER BEDS ARE TEMPORARY ONLY AND ARE TO BE REMOVED ONCE TREES HAVE BECOME ESTABLISHED.

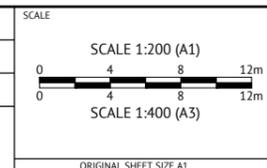
**ISSUED FOR CONSTRUCTION**

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19/02/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH
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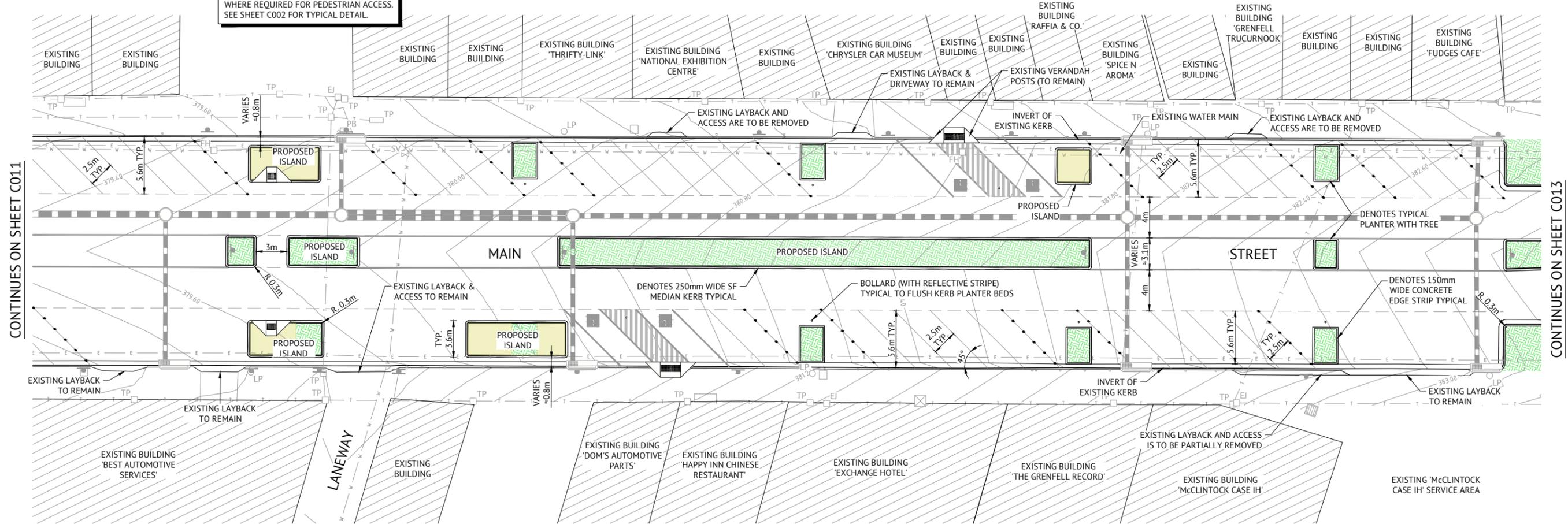
CLIENT  
**WEDDIN SHIRE COUNCIL**  
PROJECT  
**GRENFELL MAIN STREET RENEWAL**  
LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**  
SHEET TITLE  
**DETAILED LAYOUT PLAN, SHEET 1 OF 5**

JOB CODE  
**220109\_02**  
SHEET NUMBER  
**C011**  
REV  
**L**



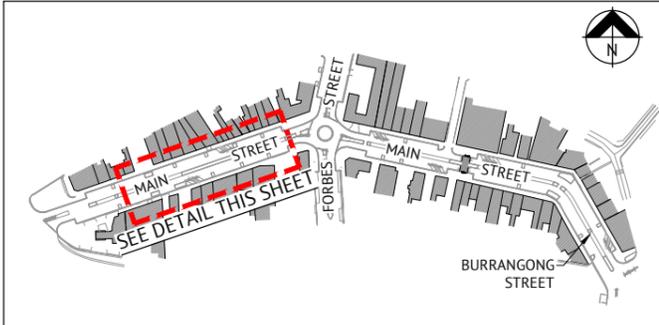
**NOTE**  
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**NOTE**  
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**NOTE**  
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- NOTES**
1. CONTOURS SHOWN ARE DESIGN SURFACE CONTOURS.
  2. CONTOUR INTERVAL 0.2m.



**SITE LOCALITY KEY**  
NOT TO SCALE

- LANDSCAPING LEGEND**
- PROPOSED LANDSCAPING PAVING AREAS (REFER TO CLOUSTON ASSOCIATES FOR DETAILS)
  - PROPOSED LANDSCAPED AREAS (REFER TO CLOUSTON ASSOCIATES FOR DETAILS)

- PARKING SPACES**
- ALL PARKING SPACES ARE TO BE IN ACCORDANCE WITH AS 2890.5-2020;
  - DELINEATOR DOTS ARE TO BE GENERALLY USED AT THE END OF A PARKING ROW TO INDICATE PARKING ANGLE (AS REQUESTED BY COUNCIL'S LOCAL TRAFFIC COMMITTEE).

**NOTE**  
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**NOTE**  
FIRE HYDRANTS TO BE RELOCATED OUT OF VEHICLE PARKING SPACES WHERE REQUIRED.

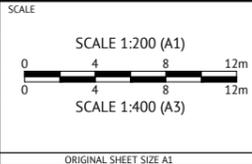
**NOTE**  
BOLLARDS TO FLUSH KERB PLANTER BEDS ARE TEMPORARY ONLY AND ARE TO BE REMOVED ONCE TREES HAVE BECOME ESTABLISHED.

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ENGINEERING CERTIFICATION



CLIENT  
**WEDDIN SHIRE COUNCIL**

PROJECT  
**GRENFELL MAIN STREET RENEWAL**

LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE  
**DETAILED LAYOUT PLAN, SHEET 2 OF 5**

JOB CODE  
**220109\_02**

SHEET NUMBER  
**C012**

REV  
**L**



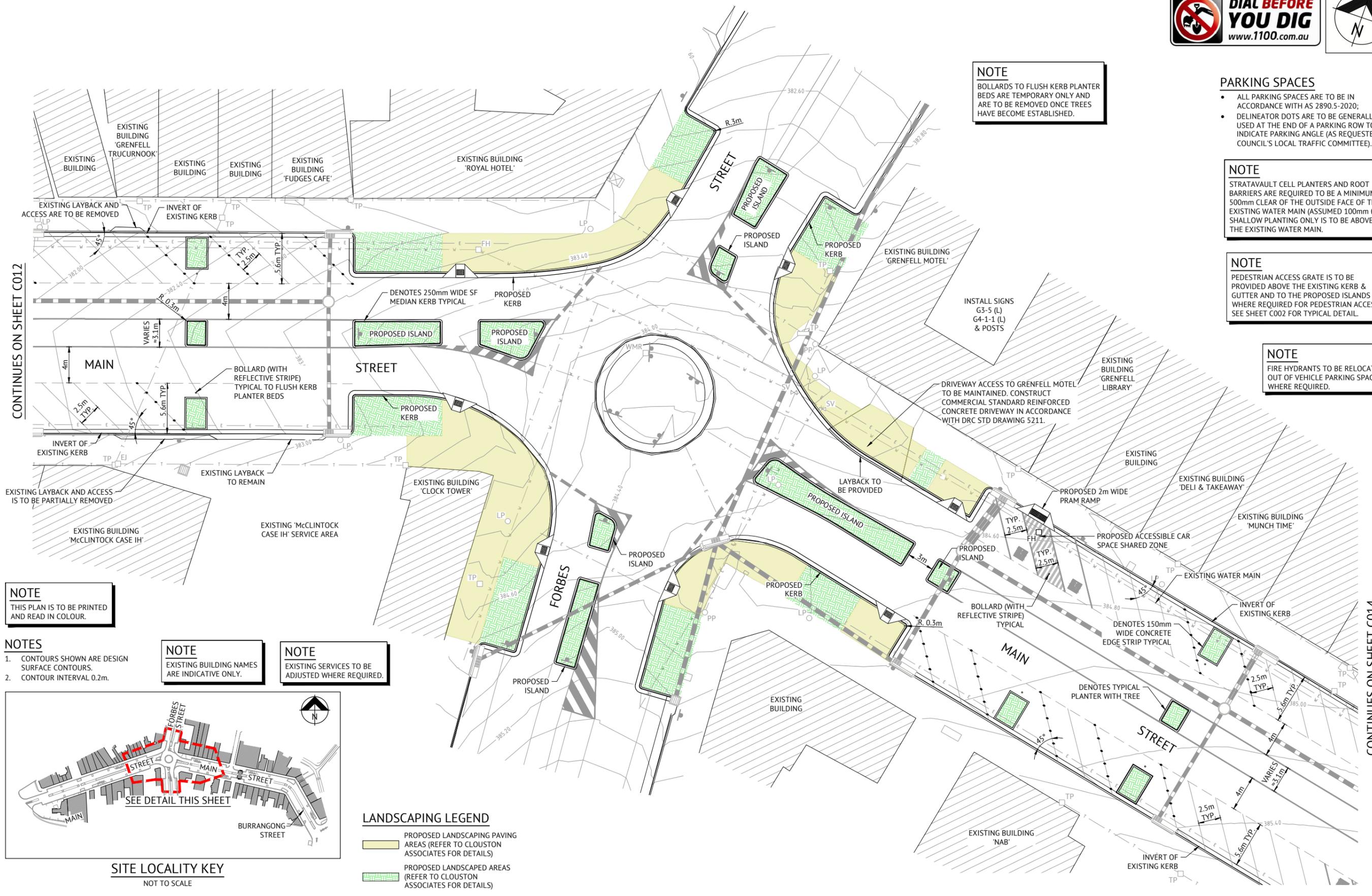
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**PARKING SPACES**  
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**NOTE**  
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**NOTE**  
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**NOTE**  
FIRE HYDRANTS TO BE RELOCATED OUT OF VEHICLE PARKING SPACES WHERE REQUIRED.



CONTINUES ON SHEET C012

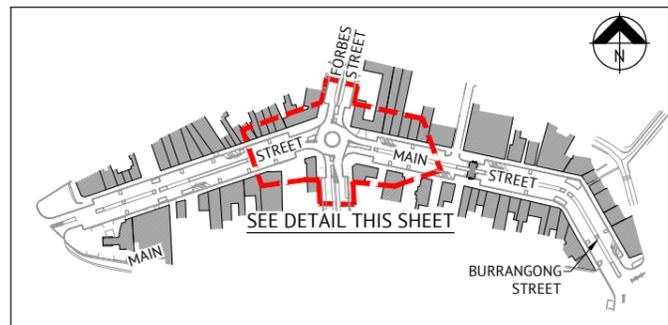
CONTINUES ON SHEET C014

**NOTE**  
THIS PLAN IS TO BE PRINTED AND READ IN COLOUR.

- NOTES**
1. CONTOURS SHOWN ARE DESIGN SURFACE CONTOURS.
  2. CONTOUR INTERVAL 0.2m.

**NOTE**  
EXISTING BUILDING NAMES ARE INDICATIVE ONLY.

**NOTE**  
EXISTING SERVICES TO BE ADJUSTED WHERE REQUIRED.



**SITE LOCALITY KEY**  
NOT TO SCALE

**LANDSCAPING LEGEND**

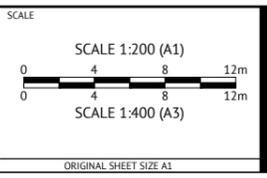
- PROPOSED LANDSCAPING PAVING AREAS (REFER TO CLOUSTON ASSOCIATES FOR DETAILS)
- PROPOSED LANDSCAPED AREAS (REFER TO CLOUSTON ASSOCIATES FOR DETAILS)

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			REC APP

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CLIENT: **WEDDIN SHIRE COUNCIL**

PROJECT: **GRENFELL MAIN STREET RENEWAL**

LOCATION: **MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE: **DETAILED LAYOUT PLAN, SHEET 3 OF 5**

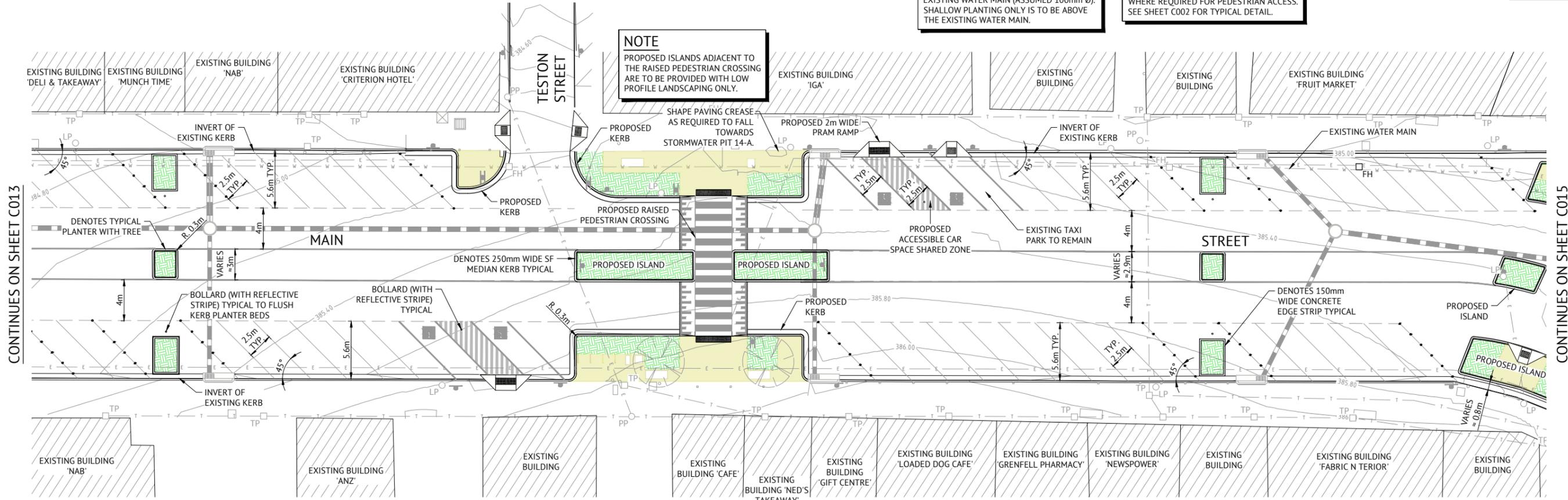
JOB CODE		220109_02
SHEET NUMBER	REV	
C013	L	



**NOTE**  
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**NOTE**  
PEDESTRIAN ACCESS GRATE IS TO BE PROVIDED ABOVE THE EXISTING KERB & GUTTER AND TO THE PROPOSED ISLANDS WHERE REQUIRED FOR PEDESTRIAN ACCESS. SEE SHEET C002 FOR TYPICAL DETAIL.

**NOTE**  
PROPOSED ISLANDS ADJACENT TO THE RAISED PEDESTRIAN CROSSING ARE TO BE PROVIDED WITH LOW PROFILE LANDSCAPING ONLY.



CONTINUES ON SHEET C013

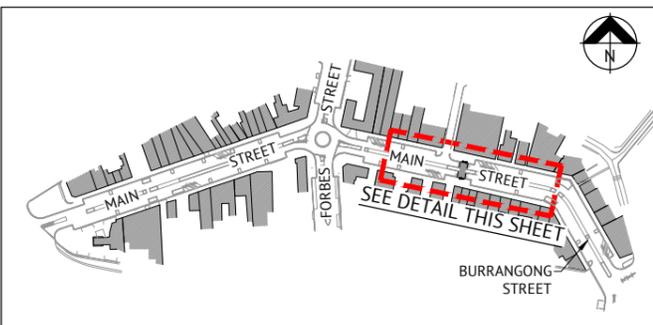
CONTINUES ON SHEET C015

**NOTE**  
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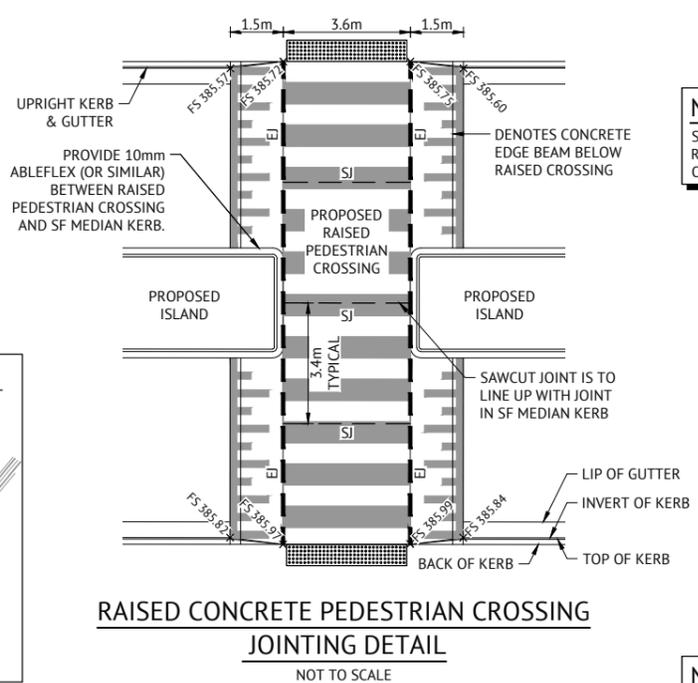
**NOTE**  
CONCRETE PEDESTRIAN CROSSING IS TO HAVE A STIFF BRISTLED BROOM FINISH TRANSVERSE TO THE DIRECTION OF TRAVEL.

**NOTE**  
EDGE BEAM AND RAISED CROSSING CONCRETE SLAB MUST BE POURED TOGETHER.

- NOTES**
1. CONTOURS SHOWN ARE DESIGN SURFACE CONTOURS.
  2. CONTOUR INTERVAL 0.2m.

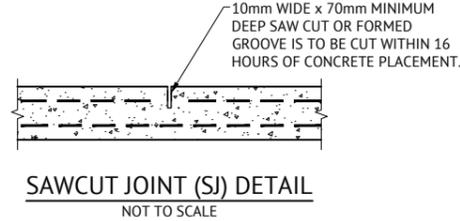


**SITE LOCALITY KEY**  
NOT TO SCALE

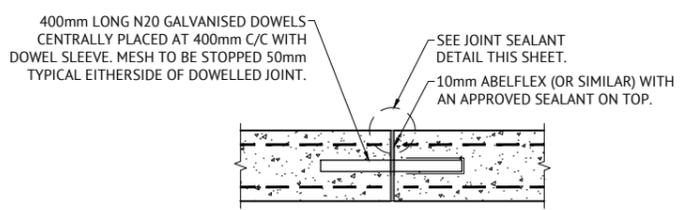


**RAISED CONCRETE PEDESTRIAN CROSSING JOINTING DETAIL**  
NOT TO SCALE

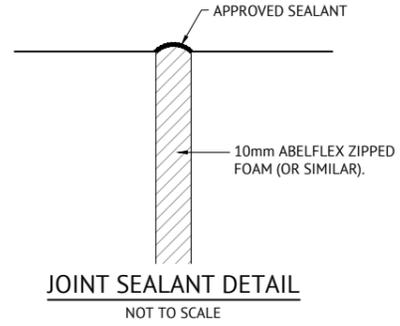
**NOTE**  
SEE STRUCTURAL DETAILS FOR RAISED PEDESTRIAN CROSSING ON SHEET C003 & THIS SHEET.



**SAWCUT JOINT (SJ) DETAIL**  
NOT TO SCALE



**DOWELLED EXPANSION JOINT DETAIL**  
NOT TO SCALE



**JOINT SEALANT DETAIL**  
NOT TO SCALE

- LANDSCAPING LEGEND**
- PROPOSED LANDSCAPING PAVING AREAS (REFER TO CLOUSTON ASSOCIATES FOR DETAILS)
  - PROPOSED LANDSCAPED AREAS (REFER TO CLOUSTON ASSOCIATES FOR DETAILS)

- PARKING SPACES**
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**NOTE**  
BOLLARDS TO FLUSH KERB PLANTER BEDS ARE TEMPORARY ONLY AND ARE TO BE REMOVED ONCE TREES HAVE BECOME ESTABLISHED.

**NOTE**  
FIRE HYDRANTS TO BE RELOCATED OUT OF VEHICLE PARKING SPACES WHERE REQUIRED.

**NOTE**  
EXISTING SERVICES TO BE ADJUSTED WHERE REQUIRED.

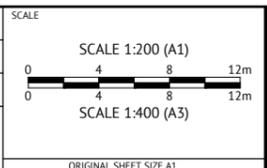
**NOTE**  
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ENGINEERING CERTIFICATION



CLIENT: **WEDDIN SHIRE COUNCIL**

PROJECT: **GRENFELL MAIN STREET RENEWAL**

LOCATION: **MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE: **DETAILED LAYOUT PLAN, SHEET 4 OF 5**

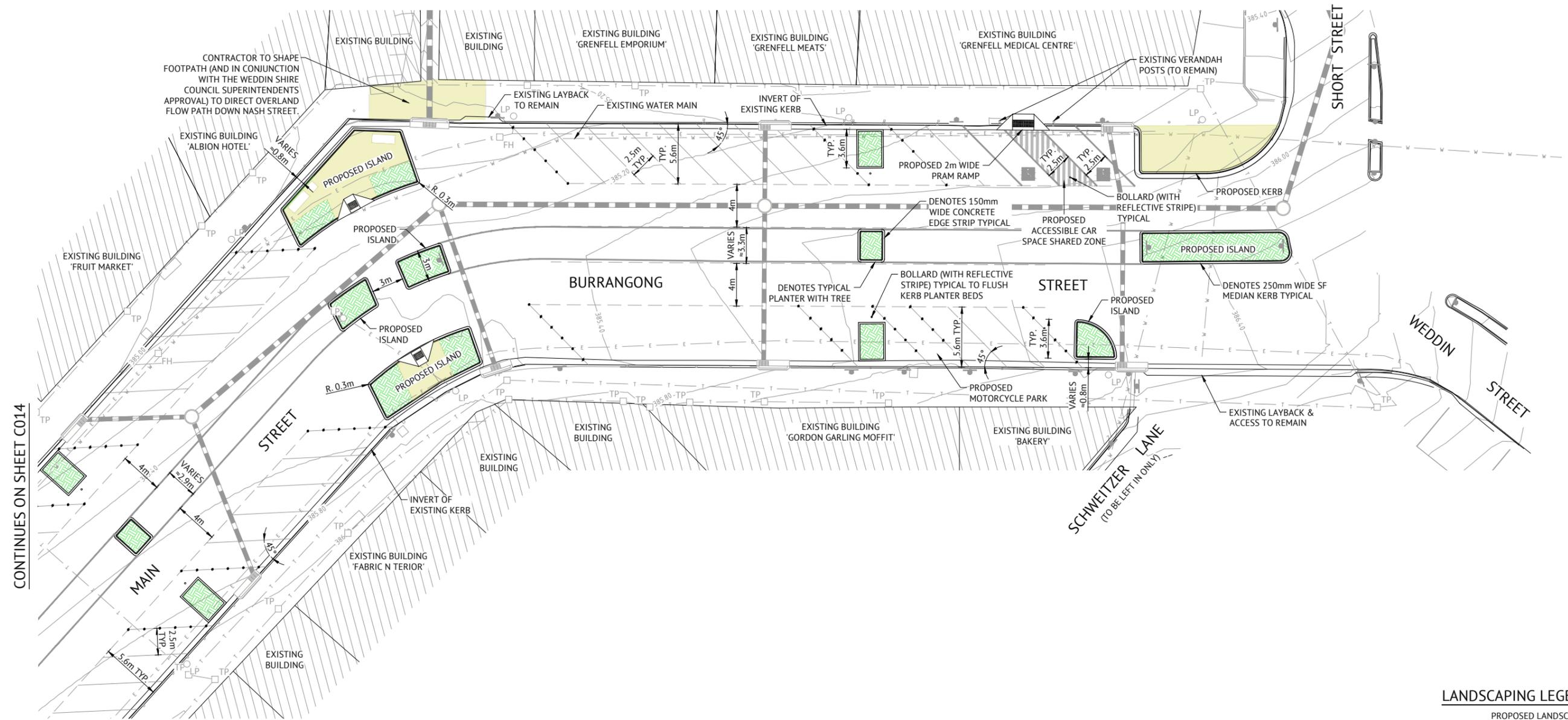
JOB CODE		220109_02	
SHEET NUMBER	REV	C014	L

**NOTE**  
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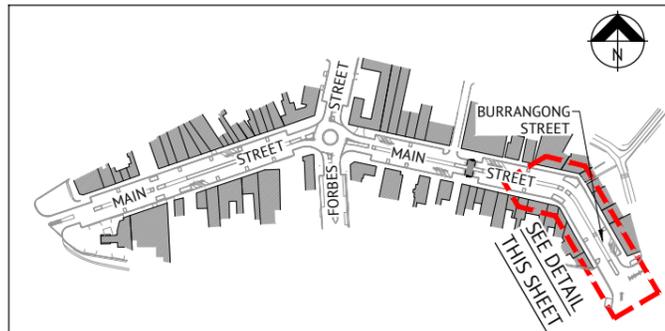
**NOTE**  
EXISTING SERVICES TO BE ADJUSTED WHERE REQUIRED.

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**NOTE**  
BOLLARDS TO FLUSH KERB PLANTER BEDS ARE TEMPORARY ONLY AND ARE TO BE REMOVED ONCE TREES HAVE BECOME ESTABLISHED.



CONTINUES ON SHEET C014



**SITE LOCALITY KEY**  
NOT TO SCALE

- LANDSCAPING LEGEND**
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- NOTES**
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  2. CONTOUR INTERVAL 0.2m.

- PARKING SPACES**
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  - DELINEATOR DOTS ARE TO BE GENERALLY USED AT THE END OF A PARKING ROW TO INDICATE PARKING ANGLE (AS REQUESTED BY COUNCIL'S LOCAL TRAFFIC COMMITTEE).

**NOTE**  
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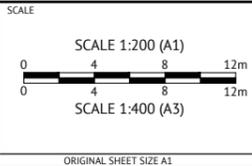
**NOTE**  
EXISTING BUILDING NAMES ARE INDICATIVE ONLY.

ISSUED FOR CONSTRUCTION					
DATE	REV	DESCRIPTION	REC	APP	REVISIONS
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG	
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04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH	
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH	
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH	
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH	

**Premise**

**DUBBO OFFICE**  
1ST FLOOR  
62 WINGEWARRA STREET  
DUBBO, NSW 2830  
PH: (02) 6887 4500  
WEB: www.premise.com.au

DESIGNED  
**NICHOLLE STEVENSON**  
CHECKED  
**EDDIE GOULD**  
PROJECT MANAGER  
**EDDIE GOULD**  
ENGINEERING CERTIFICATION



CLIENT  
**WEDDIN SHIRE COUNCIL**

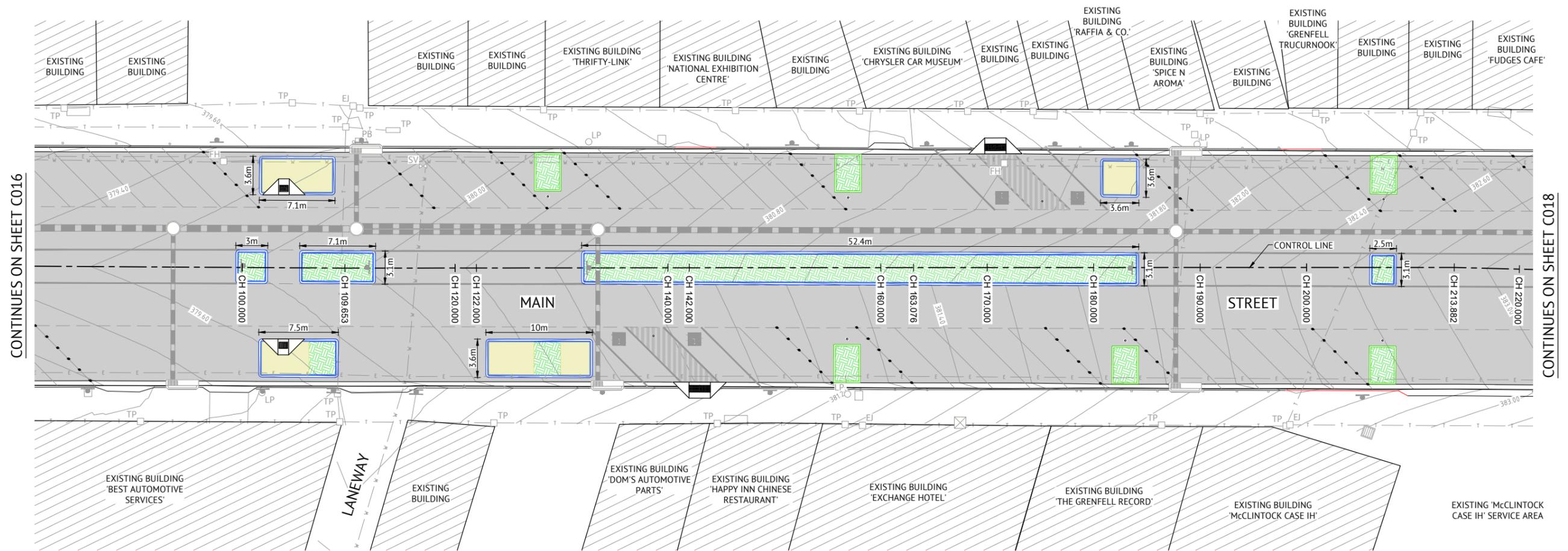
PROJECT  
**GRENFELL MAIN STREET RENEWAL**

LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE  
**DETAILED LAYOUT PLAN, SHEET 5 OF 5**

JOB CODE <b>220109_02</b>	
SHEET NUMBER <b>C015</b>	REV <b>L</b>





CONTINUES ON SHEET C016

CONTINUES ON SHEET C018

**NOTE**  
ALL PROPOSED CONCRETE KERB AND GUTTER AND FOOTPATH WORKS ARE TO BE CONSTRUCTED USING WASHED WHITE RIVER PEBBLE COARSE AGGREGATE AND BROWN COLOURED SAND FINE AGGREGATE. GREY COLOURED AGGREGATE IS NOT TO BE USED. FOOTPATH AREAS ARE TO BE JOINTED TO MATCH THAT OF THE EXISTING STREET THREE PANEL JOINTING LAYOUT PATTERN (REFER TYPICAL JOINTING PATTERN IMAGE ON SHEET C003). REFER TO PLANS PREPARED BY CLOUSTON ASSOCIATES FOR LOCATIONS OF FOOTPATH WORKS.



**SITE LOCALITY KEY**  
NOT TO SCALE

**LEGEND**

- PROPOSED AC10 PAVEMENT WITH PRIMER SEAL
- PROPOSED AC10 SBS POLYMER MODIFIED AC PAVEMENT WITH PRIMER SEAL
- PROPOSED MOUNTABLE CONCRETE ISLAND
- PROPOSED UPRIGHT KERB AND GUTTER
- PROPOSED SF MEDIAN KERB
- PROPOSED FLUSH PLANTER CONCRETE EDGE STRIP

**LANDSCAPING LEGEND**

- PROPOSED LANDSCAPING PAVING AREAS (REFER TO CLOUSTON ASSOCIATES FOR DETAILS)
- PROPOSED LANDSCAPED AREAS (REFER TO CLOUSTON ASSOCIATES FOR DETAILS)

**NOTE**  
THE CONTRACTOR IS TO ENGAGE A SURVEYOR TO SETOUT ALL ROADWORKS.

**NOTE**  
LAYBACKS & RAMPS TO BE REMOVED ARE TO BE REINSTATED WITH UPRIGHT KERB & GUTTER.

**NOTE**  
CONTRACTOR TO ENSURE PAVEMENT IS FREE DRAINING AND NO PONDING OF WATER OCCURS.

**NOTE**  
NEATLY MERGE ALL PROPOSED ROAD WORKS TO EXISTING ROAD WORKS.

**NOTE**  
THIS PLAN IS TO BE PRINTED AND READ IN COLOUR.

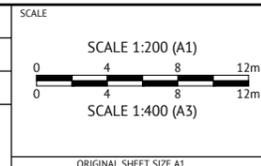
- NOTES**
- CONTOURS SHOWN ARE DESIGN SURFACE CONTOURS.
  - CONTOUR INTERVAL 0.2m.

**ISSUED FOR CONSTRUCTION**

DATE	REV	DESCRIPTION	REC	APP
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04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH
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16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH
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CHECKED  
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PROJECT MANAGER  
**EDDIE GOULD**  
ENGINEERING CERTIFICATION



CLIENT  
**WEDDIN SHIRE COUNCIL**

PROJECT  
**GRENFELL MAIN STREET RENEWAL**

LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE  
**ROAD LAYOUT PLAN, SHEET 2 OF 5**

JOB CODE  
**220109\_02**

SHEET NUMBER  
**C017**

REV  
**L**

**NOTE**  
LAYBACKS & RAMPS TO BE REMOVED ARE TO BE REINSTATED WITH UPRIGHT KERB & GUTTER.

**NOTE**  
CONTRACTOR TO ENSURE PAVEMENT IS FREE DRAINING AND NO PONDING OF WATER OCCURS.

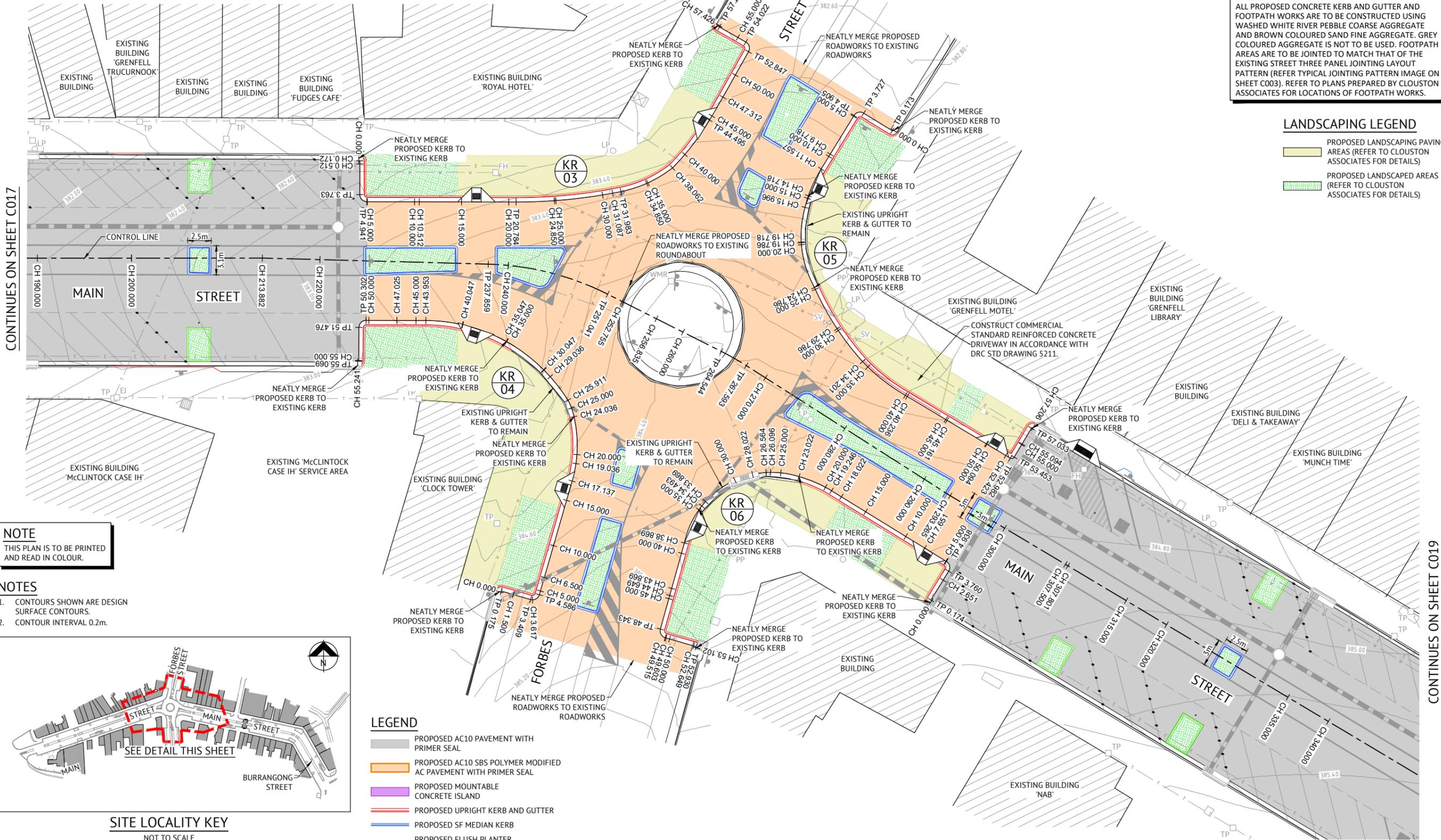
**NOTE**  
NEATLY MERGE ALL PROPOSED ROAD WORKS TO EXISTING ROAD WORKS.

**NOTE**  
THE CONTRACTOR IS TO ENGAGE A SURVEYOR TO SETOUT ALL ROADWORKS.



**NOTE**  
ALL PROPOSED CONCRETE KERB AND GUTTER AND FOOTPATH WORKS ARE TO BE CONSTRUCTED USING WASHED WHITE RIVER PEBBLE COARSE AGGREGATE AND BROWN COLOURED SAND FINE AGGREGATE. GREY COLOURED AGGREGATE IS NOT TO BE USED. FOOTPATH AREAS ARE TO BE JOINED TO MATCH THAT OF THE EXISTING STREET THREE PANEL JOINTING LAYOUT PATTERN (REFER TYPICAL JOINTING PATTERN IMAGE ON SHEET C003). REFER TO PLANS PREPARED BY CLOUSTON ASSOCIATES FOR LOCATIONS OF FOOTPATH WORKS.

**LANDSCAPING LEGEND**  
 PROPOSED LANDSCAPING PAVING AREAS (REFER TO CLOUSTON ASSOCIATES FOR DETAILS)  
 PROPOSED LANDSCAPED AREAS (REFER TO CLOUSTON ASSOCIATES FOR DETAILS)

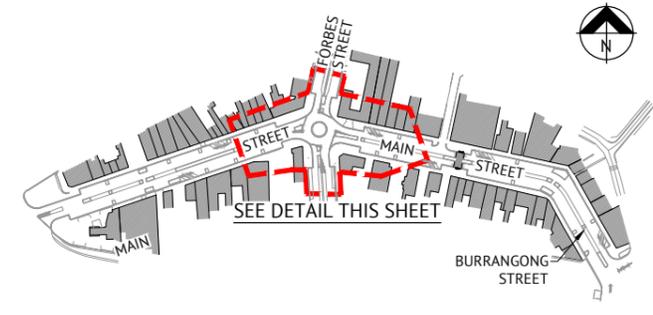


CONTINUES ON SHEET C017

CONTINUES ON SHEET C019

**NOTE**  
THIS PLAN IS TO BE PRINTED AND READ IN COLOUR.

- NOTES**
1. CONTOURS SHOWN ARE DESIGN SURFACE CONTOURS.
  2. CONTOUR INTERVAL 0.2m.



**SITE LOCALITY KEY**  
NOT TO SCALE

**LEGEND**

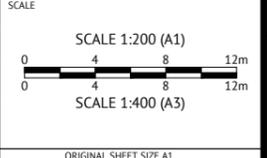
- PROPOSED AC10 PAVEMENT WITH PRIMER SEAL
- PROPOSED AC10 SBS POLYMER MODIFIED AC PAVEMENT WITH PRIMER SEAL
- PROPOSED MOUNTABLE CONCRETE ISLAND
- PROPOSED UPRIGHT KERB AND GUTTER
- PROPOSED SF MEDIAN KERB
- PROPOSED FLUSH PLANTER CONCRETE EDGE STRIP

**ISSUED FOR CONSTRUCTION**

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19/02/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION		WM	SIH
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09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER		NS	SIH

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DESIGNED  
**NICHOLLE STEVENSON**  
 CHECKED  
**EDDIE GOULD**  
 PROJECT MANAGER  
**EDDIE GOULD**  
 ENGINEERING CERTIFICATION



CLIENT  
**WEDDIN SHIRE COUNCIL**

PROJECT  
**GRENFELL MAIN STREET RENEWAL**

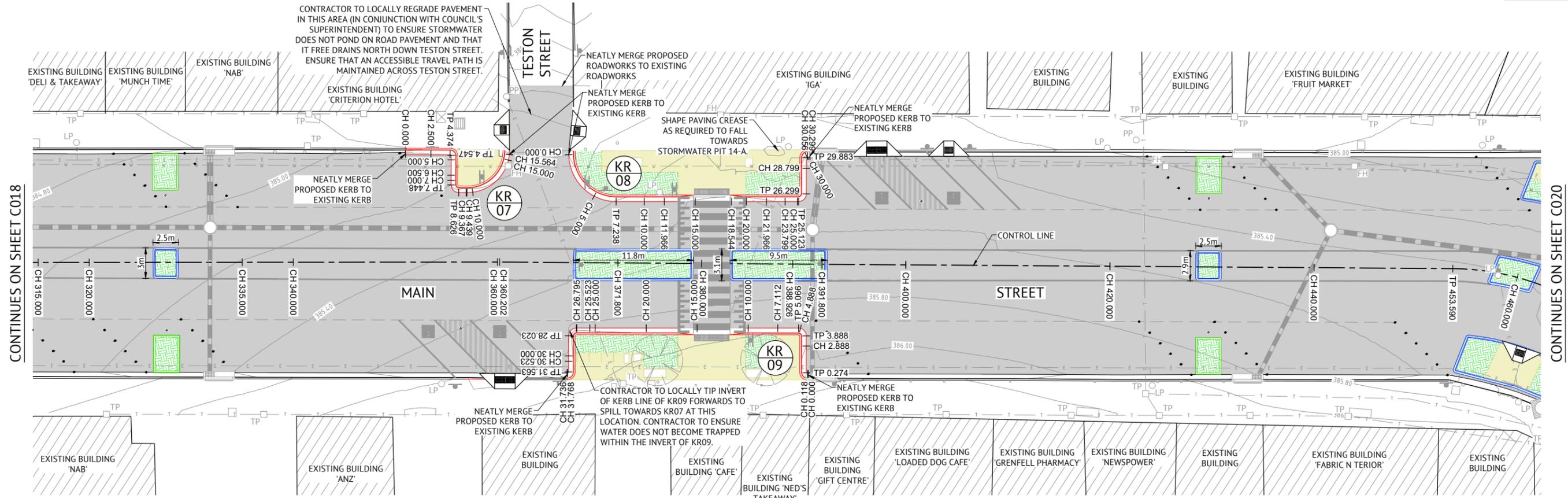
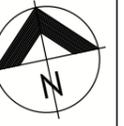
LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE  
**ROAD LAYOUT PLAN, SHEET 3 OF 5**

JOB CODE  
**220109\_02**

SHEET NUMBER  
**C018**

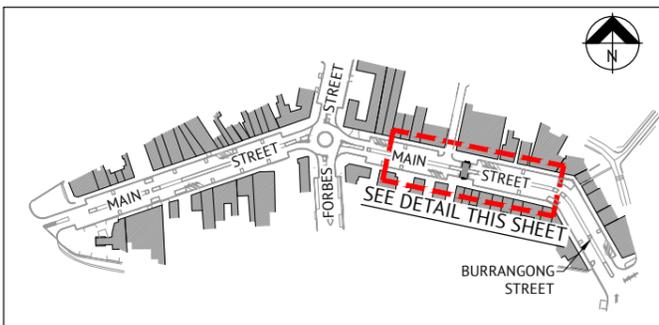
REV  
**L**



CONTINUES ON SHEET C018

CONTINUES ON SHEET C020

**NOTE**  
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**SITE LOCALITY KEY**  
NOT TO SCALE

- LEGEND**
- PROPOSED AC10 PAVEMENT WITH PRIMER SEAL
  - PROPOSED AC10 SBS POLYMER MODIFIED AC PAVEMENT WITH PRIMER SEAL
  - PROPOSED MOUNTABLE CONCRETE ISLAND
  - PROPOSED UPRIGHT KERB AND GUTTER
  - PROPOSED SF MEDIAN KERB
  - PROPOSED FLUSH PLANTER CONCRETE EDGE STRIP

- LANDSCAPING LEGEND**
- PROPOSED LANDSCAPING PAVING AREAS (REFER TO CLOUSTON ASSOCIATES FOR DETAILS)
  - PROPOSED LANDSCAPED AREAS (REFER TO CLOUSTON ASSOCIATES FOR DETAILS)

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**NOTE**  
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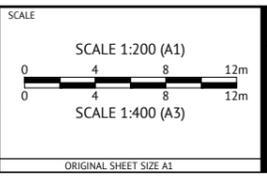
**NOTE**  
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- NOTES**
- CONTOURS SHOWN ARE DESIGN SURFACE CONTOURS.
  - CONTOUR INTERVAL 0.2m.

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DESIGNED  
**NICHOLLE STEVENSON**  
CHECKED  
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PROJECT MANAGER  
**EDDIE GOULD**  
ENGINEERING CERTIFICATION



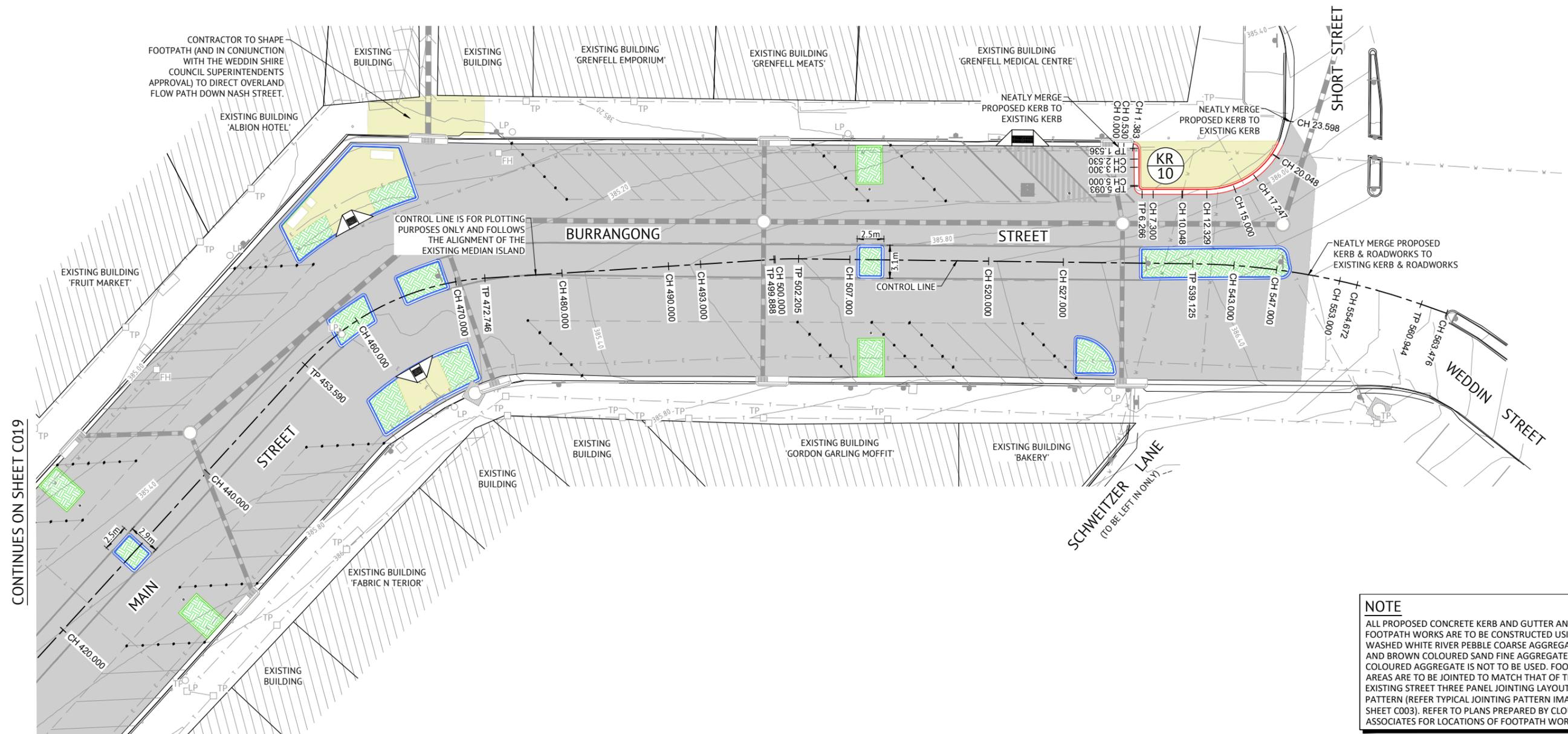
CLIENT  
**WEDDIN SHIRE COUNCIL**

PROJECT  
**GRENFELL MAIN STREET RENEWAL**

LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

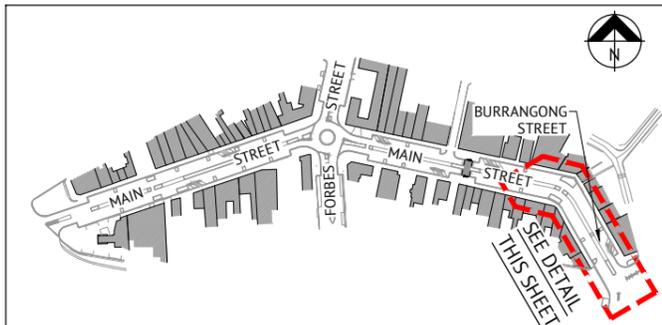
SHEET TITLE  
**ROAD LAYOUT PLAN, SHEET 4 OF 5**

JOB CODE		<b>220109_02</b>
SHEET NUMBER	REV	
<b>C019</b>	<b>L</b>	



CONTINUES ON SHEET C019

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SITE LOCALITY KEY  
NOT TO SCALE

- LEGEND**
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  - PROPOSED AC10 SBS POLYMER MODIFIED AC PAVEMENT WITH PRIMER SEAL
  - PROPOSED MOUNTABLE CONCRETE ISLAND
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  - PROPOSED SF MEDIAN KERB
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  - CONTOUR INTERVAL 0.2m.

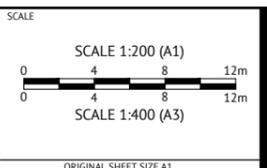
**ISSUED FOR CONSTRUCTION**

DATE	REV	DESCRIPTION	REC	APP
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ENGINEERING CERTIFICATION



CLIENT  
**WEDDIN SHIRE COUNCIL**

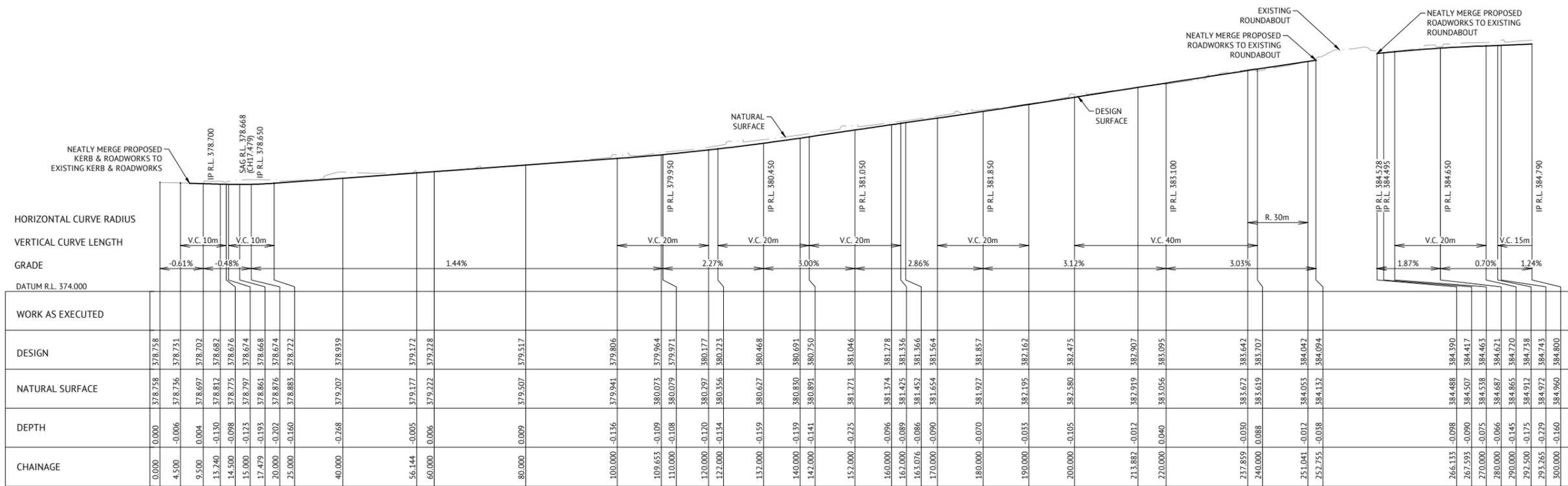
PROJECT  
**GRENFELL MAIN STREET RENEWAL**

LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE  
**ROAD LAYOUT PLAN, SHEET 5 OF 5**

JOB CODE  
**220109\_02**

SHEET NUMBER	REV
C020	L



CHAINAGE	DESIGN	NATURAL SURFACE	DEPTH	GRADE	VERTICAL CURVE LENGTH	HORIZONTAL CURVE RADIUS
0.000	378.758	378.758	0.000	-0.61%	V.C. 10m	
4.500	378.756	378.756	-0.006	-0.48%	V.C. 10m	
9.500	378.697	378.702	0.004			
13.240	378.812	378.682	-0.130			
14.500	378.775	378.676	-0.098			
15.000	378.797	378.674	-0.123			
17.479	378.861	378.668	-0.193			
20.000	378.876	378.674	-0.202			
25.000	378.883	378.722	-0.160			
40.000	379.207	378.939	-0.268			
56.144	379.177	379.172	-0.005	1.44%		
60.000	379.222	379.228	0.006			
80.000	379.517	379.517	0.009			
100.000	379.941	379.806	-0.136			
109.653	380.073	379.964	-0.109		V.C. 20m	
110.000	380.079	379.971	-0.108			
120.000	380.297	380.177	-0.120			
122.000	380.356	380.223	-0.134			
132.000	380.627	380.468	-0.159			
140.000	380.830	380.691	-0.139			
142.000	380.891	380.750	-0.141			
152.000	381.271	381.046	-0.225			
160.000	381.374	381.278	-0.096			
162.000	381.425	381.356	-0.089			
163.076	381.452	381.366	-0.086			
170.000	381.654	381.564	-0.090			
180.000	381.927	381.857	-0.070			
190.000	382.195	382.162	-0.033			
200.000	382.580	382.475	-0.105			
213.882	382.919	382.907	-0.012			
220.000	383.056	383.095	0.040			
237.859	383.672	383.642	-0.030			
240.000	383.619	383.707	0.088			
251.041	384.053	384.042	-0.012			
252.755	384.132	384.094	-0.038			
266.133	384.488	384.390	-0.098			
267.593	384.507	384.417	-0.090			
270.000	384.558	384.463	-0.075			
280.000	384.687	384.621	-0.066			
290.000	384.865	384.720	-0.145			
292.500	384.912	384.738	-0.175			
293.265	384.972	384.743	-0.229			
300.000	384.960	384.800	-0.160			

LONGITUDINAL SECTION - MAIN STREET (PART 1)  
 HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
 VERTICAL SCALE 1:100 (A1) 1:200 (A3)

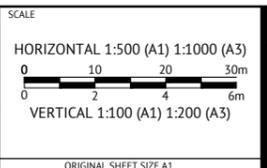
**NOTE**  
 ALL DESIGN LEVELS SHOWN  
 ARE FINISHED SURFACE LEVELS.

**LEGEND**  
 DESIGN SURFACE  
 NATURAL SURFACE

DATE	REV	DESCRIPTION	REVISIONS	DESIGNED	CHECKED	PROJECT MANAGER	ENGINEERING CERTIFICATION
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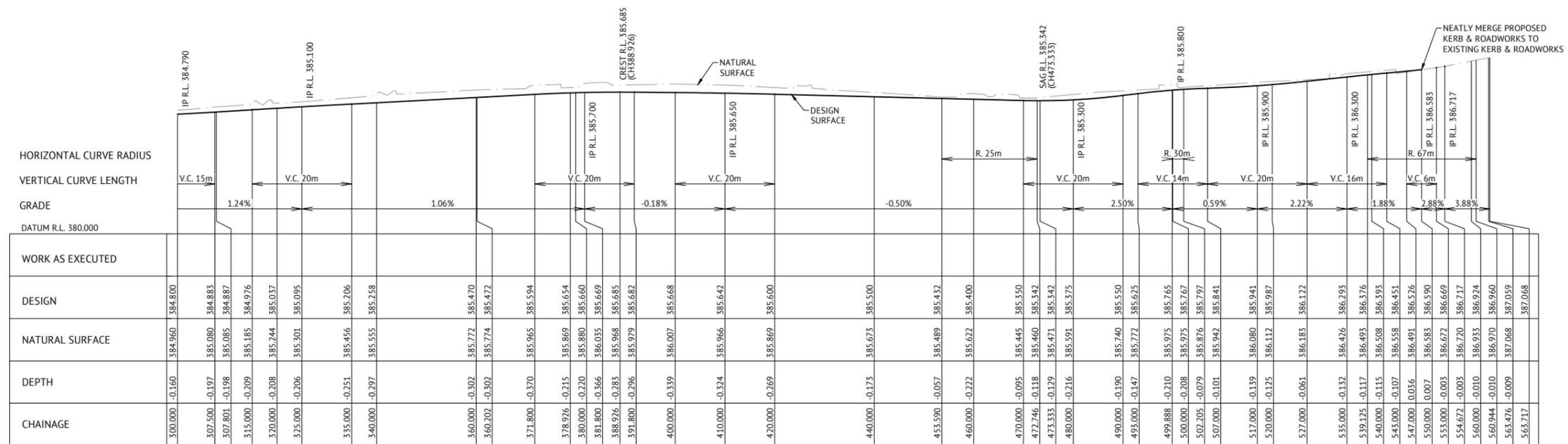
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CLIENT  
**WEDDIN SHIRE COUNCIL**  
 PROJECT  
**GRENFELL MAIN STREET RENEWAL**  
 LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**  
 SHEET TITLE  
**CONTROL LINE LONGITUDINAL SECTION, SHEET 1 OF 2**

JOB CODE  
**220109\_02**  
 SHEET NUMBER  
**C021**  
 REV  
**L**



**LONGITUDINAL SECTION - MAIN STREET & BURRANGONG STREET (PART 2)**

HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
 VERTICAL SCALE 1:100 (A1) 1:200 (A3)

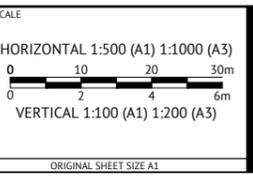
**NOTE**  
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**LEGEND**  
 DESIGN SURFACE  
 NATURAL SURFACE

ISSUED FOR CONSTRUCTION					
DATE	REV	DESCRIPTION	REC	APP	REVISIONS
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09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH	

**Premise**  
 DUBBO OFFICE  
 1ST FLOOR  
 62 WINGEWARRA STREET  
 DUBBO, NSW 2830  
 PH: (02) 6887 4500  
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DESIGNED  
 NICHOLLE STEVENSON  
 CHECKED  
 EDDIE GOULD  
 PROJECT MANAGER  
 EDDIE GOULD  
 ENGINEERING CERTIFICATION



CLIENT  
**WEDDIN SHIRE COUNCIL**  
 PROJECT  
**GRENFELL MAIN STREET RENEWAL**  
 LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**  
 SHEET TITLE  
**CONTROL LINE LONGITUDINAL SECTION, SHEET 2 OF 2**

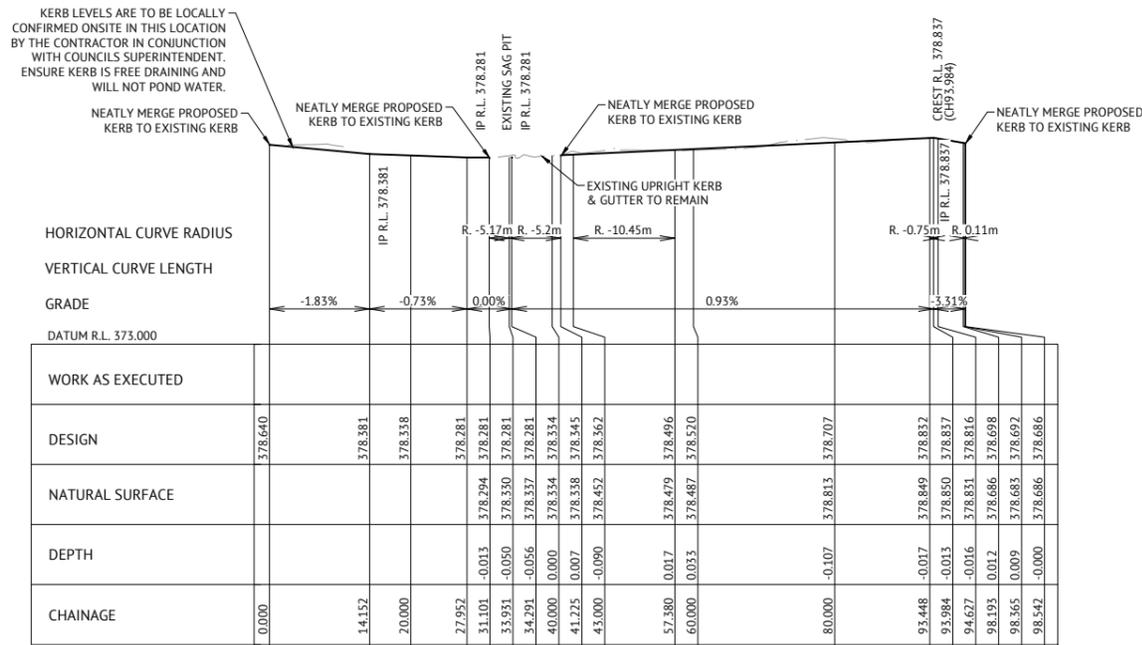
JOB CODE		220109_02	
SHEET NUMBER	REV	C022	L





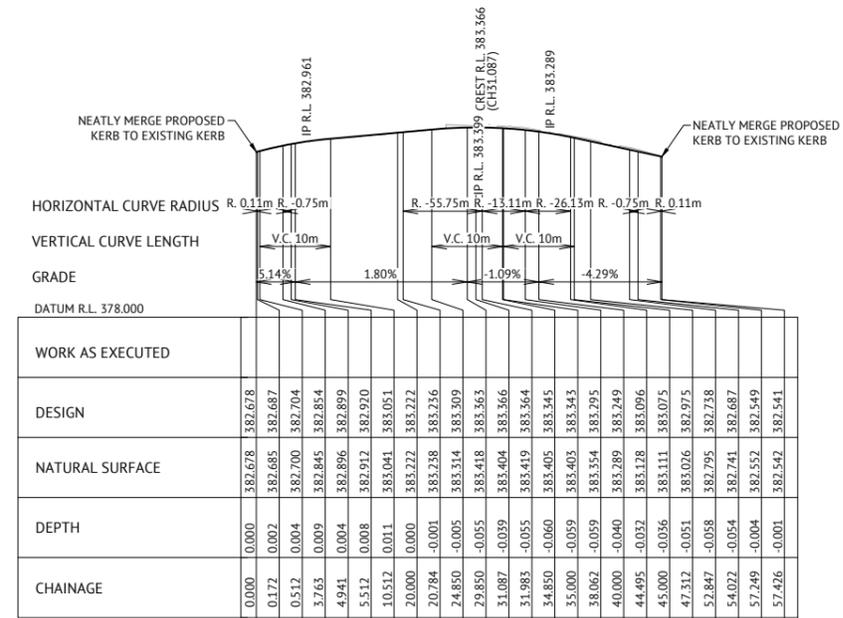






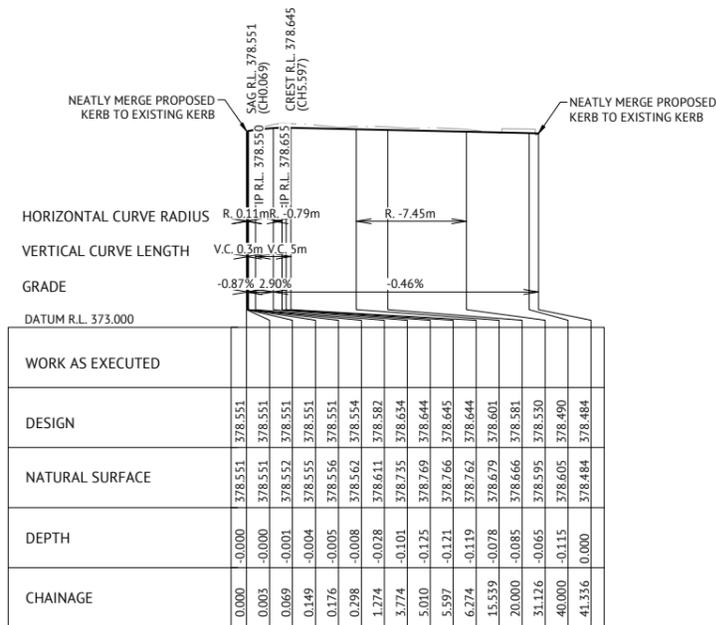
**LONGITUDINAL SECTION KR01 - LIP OF GUTTER**

HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
 VERTICAL SCALE 1:100 (A1) 1:200 (A3)



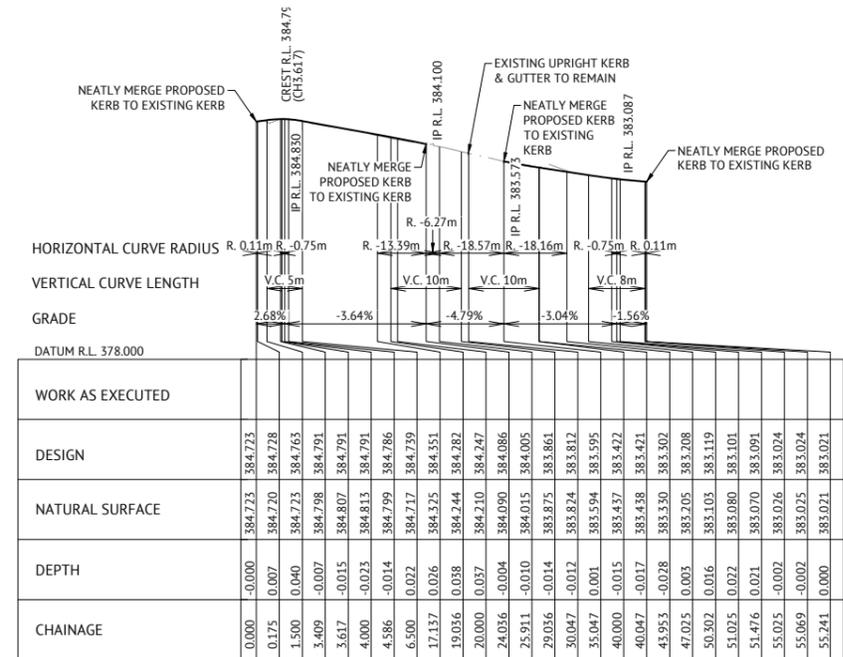
**LONGITUDINAL SECTION KR03 - LIP OF GUTTER**

HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
 VERTICAL SCALE 1:100 (A1) 1:200 (A3)



**LONGITUDINAL SECTION KR02 - LIP OF GUTTER**

HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
 VERTICAL SCALE 1:100 (A1) 1:200 (A3)



**LONGITUDINAL SECTION KR04 - LIP OF GUTTER**

HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
 VERTICAL SCALE 1:100 (A1) 1:200 (A3)

**NOTE**  
 SEE UPRIGHT KERB  
 DETAIL ON SHEET C003.

**NOTE**  
 ALL DESIGN LEVELS SHOWN  
 ARE FINISHED SURFACE LEVELS.

**LEGEND**  
 DESIGN SURFACE  
 NATURAL SURFACE

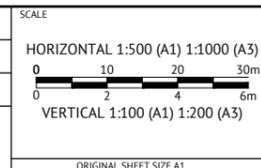
**ISSUED FOR CONSTRUCTION**

DATE	REV	DESCRIPTION	REC	APP
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG
23/07/2021	K	CLIENT AMENDMENTS (BURRANGONG STREET STORMWATER AMENDED) & ISSUED FOR APPROVAL	BW	SIH
04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH



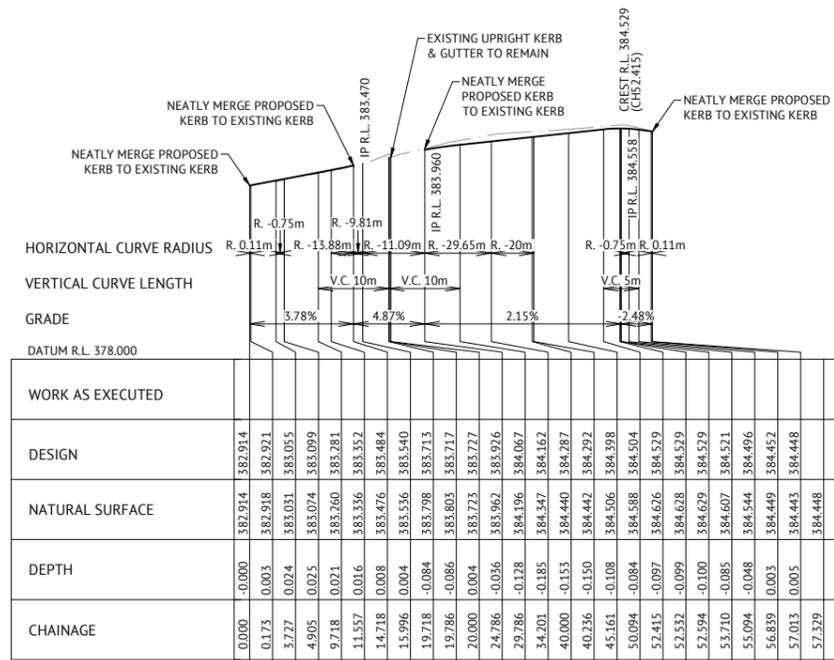
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 DUBBO, NSW 2830  
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**NICHOLLE STEVENSON**  
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 ENGINEERING CERTIFICATION

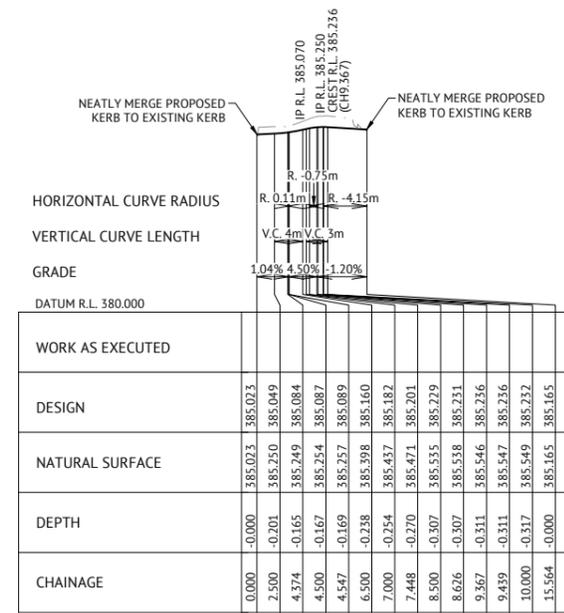


CLIENT  
**WEDDIN SHIRE COUNCIL**  
 PROJECT  
**GRENFELL MAIN STREET RENEWAL**  
 LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**  
 SHEET TITLE  
**PROPOSED UPRIGHT KERB LONGITUDINAL SECTIONS, SHEET 1 OF 3**

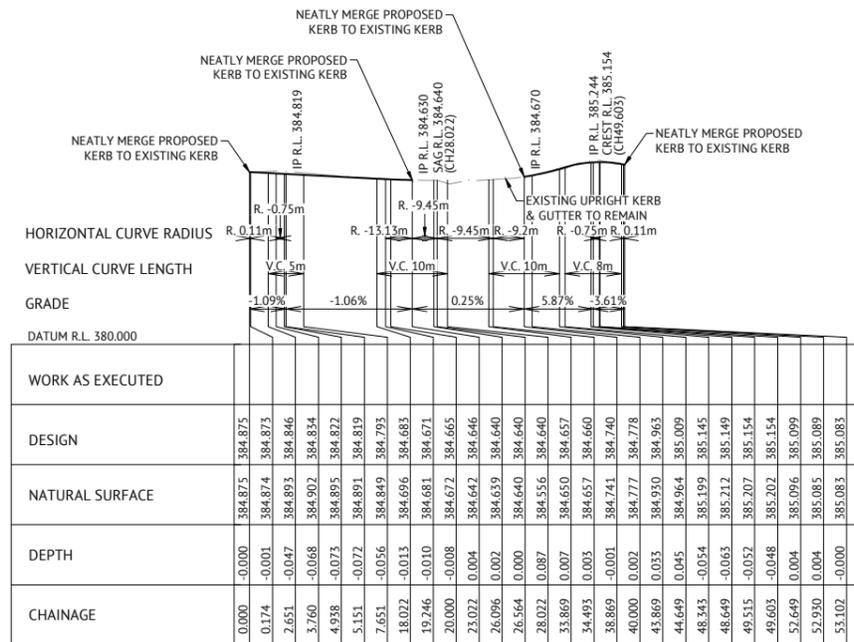
JOB CODE  
**220109\_02**  
 SHEET NUMBER  
**C027**  
 REV  
**L**



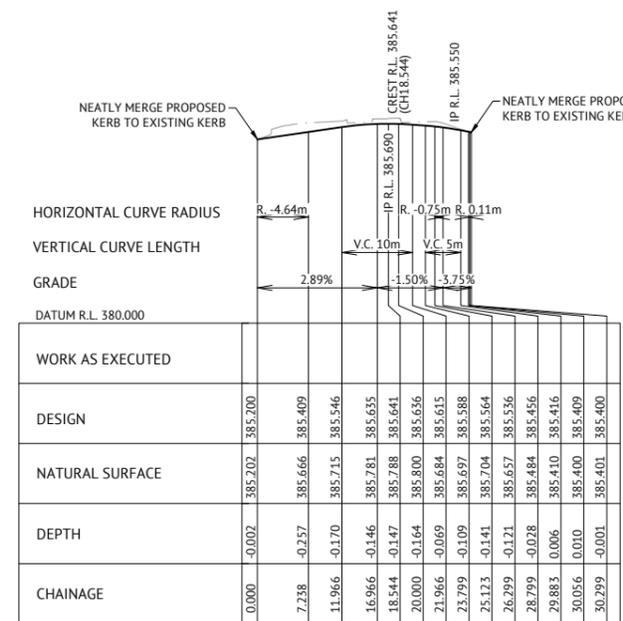
**LONGITUDINAL SECTION KR05 - LIP OF GUTTER**  
 HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
 VERTICAL SCALE 1:100 (A1) 1:200 (A3)



**LONGITUDINAL SECTION KR07 - LIP OF GUTTER**  
 HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
 VERTICAL SCALE 1:100 (A1) 1:200 (A3)



**LONGITUDINAL SECTION KR06 - LIP OF GUTTER**  
 HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
 VERTICAL SCALE 1:100 (A1) 1:200 (A3)



**LONGITUDINAL SECTION KR08 - LIP OF GUTTER**  
 HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
 VERTICAL SCALE 1:100 (A1) 1:200 (A3)

**NOTE**  
SEE UPRIGHT KERB  
DETAIL ON SHEET C003.

**NOTE**  
ALL DESIGN LEVELS SHOWN  
ARE FINISHED SURFACE LEVELS.

**LEGEND**  
DESIGN SURFACE  
NATURAL SURFACE

ISSUED FOR CONSTRUCTION				
DATE	REV	DESCRIPTION	REVISIONS	
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG
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04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH

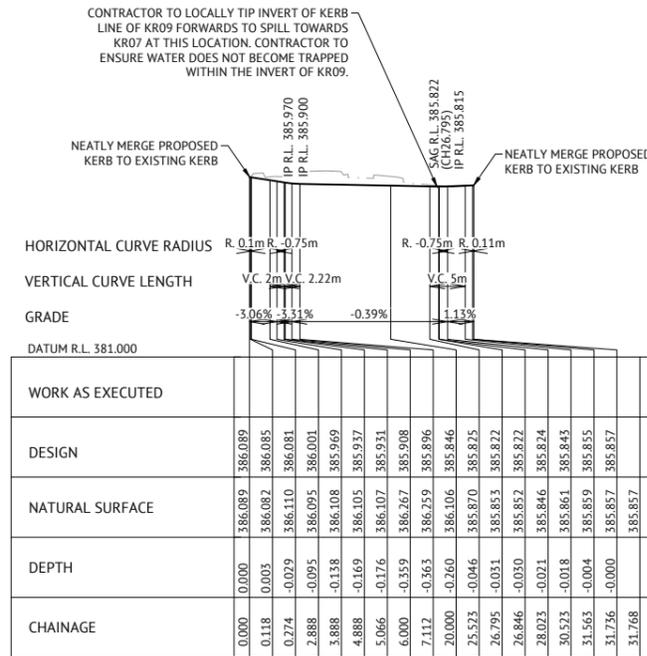
**DUBBO OFFICE**  
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DESIGNED  
**NICHOLLE STEVENSON**  
 CHECKED  
**EDDIE GOULD**  
 PROJECT MANAGER  
**EDDIE GOULD**  
 ENGINEERING CERTIFICATION

SCALE  
 HORIZONTAL 1:500 (A1) 1:1000 (A3)  
 0 10 20 30m  
 0 2 4 6m  
 VERTICAL 1:100 (A1) 1:200 (A3)  
 ORIGINAL SHEET SIZE A1

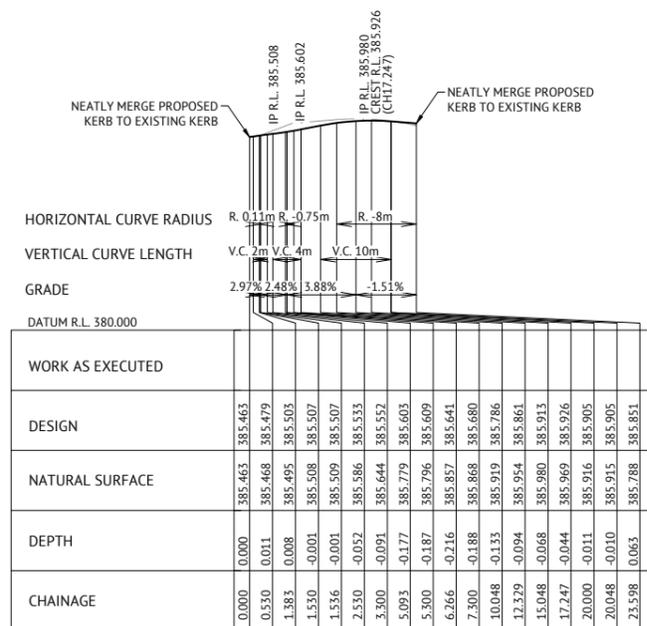
CLIENT  
**WEDDIN SHIRE COUNCIL**  
 PROJECT  
**GRENFELL MAIN STREET RENEWAL**  
 LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**  
 SHEET TITLE  
**PROPOSED UPRIGHT KERB LONGITUDINAL SECTIONS, SHEET 2 OF 3**

JOB CODE  
**220109\_02**  
 SHEET NUMBER  
**C028**  
 REV  
**L**



**LONGITUDINAL SECTION KR09 - LIP OF GUTTER**

HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
VERTICAL SCALE 1:100 (A1) 1:200 (A3)



**LONGITUDINAL SECTION KR10 - LIP OF GUTTER**

HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
VERTICAL SCALE 1:100 (A1) 1:200 (A3)

**NOTE**  
SEE UPRIGHT KERB  
DETAIL ON SHEET C003.

**NOTE**  
ALL DESIGN LEVELS SHOWN  
ARE FINISHED SURFACE LEVELS.

**LEGEND**  
DESIGN SURFACE  
NATURAL SURFACE

**ISSUED FOR CONSTRUCTION**

DATE	REV	DESCRIPTION	REC	APP
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19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH

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PROJECT MANAGER  
**EDDIE GOULD**  
ENGINEERING CERTIFICATION

SCALE  
HORIZONTAL 1:500 (A1) 1:1000 (A3)  
VERTICAL 1:100 (A1) 1:200 (A3)

ORIGINAL SHEET SIZE A1

CLIENT  
**WEDDIN SHIRE COUNCIL**

PROJECT  
**GRENFELL MAIN STREET RENEWAL**

LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE  
**PROPOSED UPRIGHT KERB LONGITUDINAL SECTIONS, SHEET 3 OF 3**

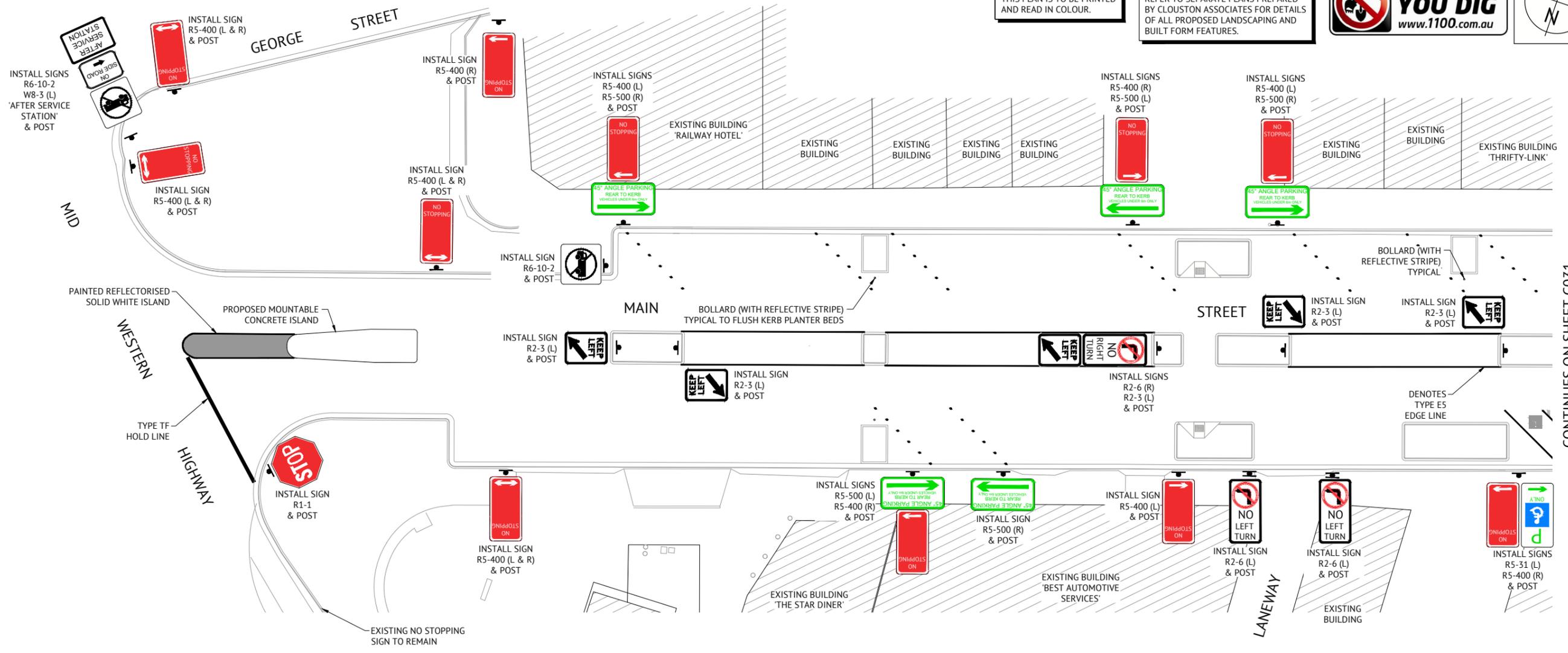
JOB CODE  
**220109\_02**

SHEET NUMBER  
**C029**

REV  
**L**

**NOTE**  
THIS PLAN IS TO BE PRINTED AND READ IN COLOUR.

**NOTE**  
REFER TO SEPARATE PLANS PREPARED BY CLOUSTON ASSOCIATES FOR DETAILS OF ALL PROPOSED LANDSCAPING AND BUILT FORM FEATURES.



CONTINUES ON SHEET C031



**SITE LOCALITY KEY**  
NOT TO SCALE

**LINEMARKING & SIGNAGE NOTES**

1. ALL LINEMARKING & SIGNAGE IS TO BE REFLECTIVE & UNDERTAKEN IN ACCORDANCE WITH WEDDIN SHIRE COUNCIL REQUIREMENTS.
2. ANY EXISTING LINEMARKING THAT IS REQUIRED TO BE REMOVED IS TO BE REMOVED VIA A METHOD (PAINTING BLACK, GRINDING ETC) DEEMED ACCEPTABLE TO WEDDIN SHIRE COUNCIL. CONTRACTOR TO CONFIRM PREFERRED METHOD WITH WEDDIN SHIRE COUNCIL PRIOR TO COMMENCING WORKS.
3. NOT ALL EXISTING LINEMARKING AND SIGNAGE IS SHOWN ON THESE PLANS. ALL EXISTING SIGNAGE IN THE AREA OF WORKS IS TO BE REMOVED AS ADVISED TO PREMISE BY CLOUSTON ASSOCIATES.
4. MERGE ALL PROPOSED LINEMARKING NEATLY TO EXISTING LINEMARKING.
5. CAR PARKING SPACES ARE TO BE DELINEATED VIA THE PROVISION OF CAR SPACE MARKING DOTS.
6. PROVIDE SIGN POSTS AS REQUIRED. POSTS ARE TO BE INSTALLED TO THE REQUIREMENTS OF WEDDIN SHIRE COUNCIL. SIGNS WHICH ARE MANUFACTURED IN MULTIPLE SIZES ARE TO BE SIZE A UNLESS NOTED OTHERWISE.
7. ALL STREET SIGNS ARE TO BE DOUBLE BACKED.
8. PEDESTRIAN CROSSING LINEMARKING IS TO BE IN ACCORDANCE WITH THE RMS 'DELINEATION SECTION 7 - TRANSVERSE LINES PEDESTRIAN FACILITIES' GUIDELINES.
9. FINAL DIRECTION OF ALL LINEMARKING & SIGNAGE WORKS IS TO BE BY WEDDIN SHIRE COUNCIL'S ROAD ENGINEER.

**PARKING SPACES**

- ALL PARKING SPACES ARE TO BE IN ACCORDANCE WITH AS 2890.5-2020;
- DELINEATOR DOTS ARE TO BE GENERALLY USED AT THE END OF A PARKING ROW TO INDICATE PARKING ANGLE (AS REQUESTED BY COUNCIL'S LOCAL TRAFFIC COMMITTEE).

**NOTE**  
ALCOHOL FREE ZONE SIGNAGE IS TO BE PROVIDED SEPARATELY BY WEDDIN SHIRE COUNCIL AT ITS DIRECTION.

**NOTE**  
TOURISM ATTRACTION & DIRECTIONAL SIGNAGE IS TO BE PROVIDED SEPARATELY BY WEDDIN SHIRE COUNCIL AT ITS DIRECTION.

**NOTE**  
EXISTING HISTORICAL INFORMATION SIGNAGE BOARDS WITHIN FOOTPATH AREAS ARE TO GENERALLY REMAIN OR BE RELOCATED IF REQUIRED. REFER TO CLOUSTON FOR FURTHER DETAILS.

ISSUED FOR CONSTRUCTION					
DATE	REV	DESCRIPTION	REC	APP	REVISIONS
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG	
23/07/2021	K	CLIENT AMENDMENTS (BURRANGONG STREET STORMWATER AMENDED) & ISSUED FOR APPROVAL	BW	SIH	
04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH	
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH	
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH	
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH	

**DESIGNED**  
NICHOLLE STEVENSON

**CHECKED**  
EDDIE GOULD

**PROJECT MANAGER**  
EDDIE GOULD

**ENGINEERING CERTIFICATION**

**DUBBO OFFICE**  
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DUBBO, NSW 2830  
PH: (02) 6887 4500  
WEB: www.premise.com.au

**SCALE**

SCALE 1:200 (A1)

SCALE 1:400 (A3)

ORIGINAL SHEET SIZE A1

**CLIENT**  
WEDDIN SHIRE COUNCIL

**PROJECT**  
GRENFELL MAIN STREET RENEWAL

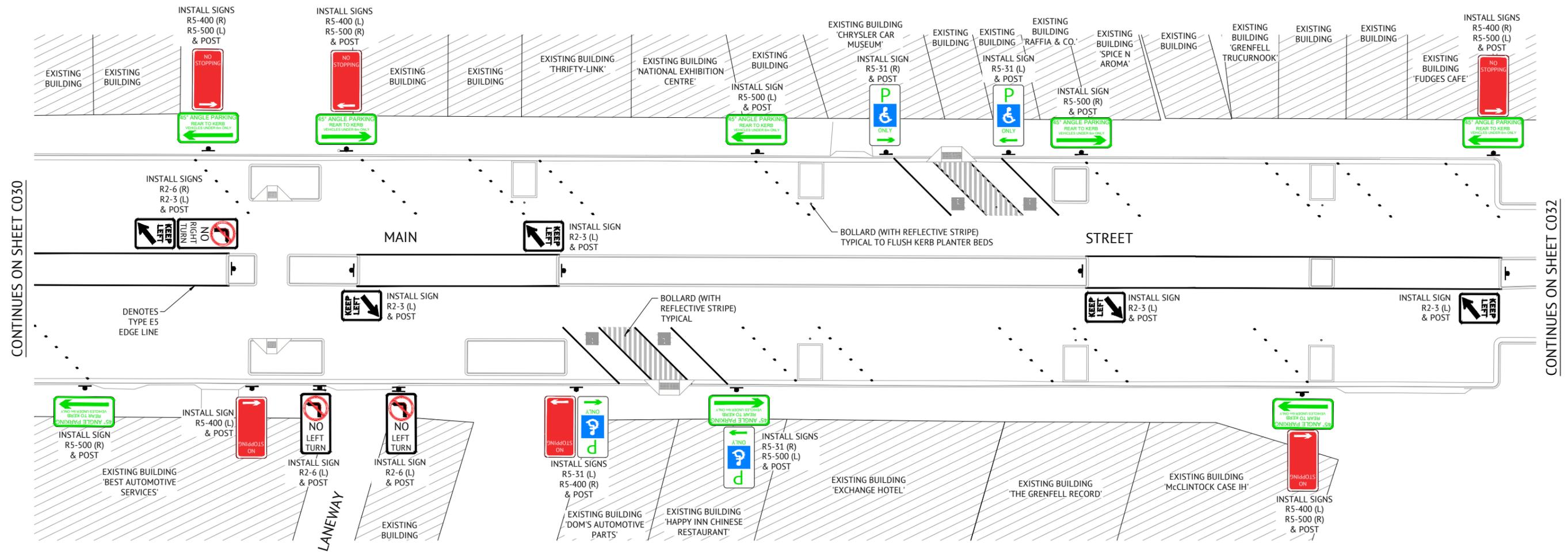
**LOCATION**  
MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL

**SHEET TITLE**  
SIGNAGE AND LINEMARKING PLAN, SHEET 1 OF 6

**JOB CODE**  
220109\_02

**SHEET NUMBER**  
C030

**REV**  
L



CONTINUES ON SHEET C030

CONTINUES ON SHEET C032

**NOTE**  
REFER TO SHEET C030 FOR SIGNAGE AND LINEMARKING NOTES.



**SITE LOCALITY KEY**  
NOT TO SCALE

ISSUED FOR CONSTRUCTION					
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11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG	
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19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH	
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH	
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH	

**Premise**

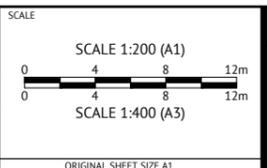
**DUBBO OFFICE**  
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DUBBO, NSW 2830  
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DESIGNED  
**NICHOLLE STEVENSON**

CHECKED  
**EDDIE GOULD**

PROJECT MANAGER  
**EDDIE GOULD**

ENGINEERING CERTIFICATION



CLIENT  
**WEDDIN SHIRE COUNCIL**

PROJECT  
**GRENFELL MAIN STREET RENEWAL**

LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

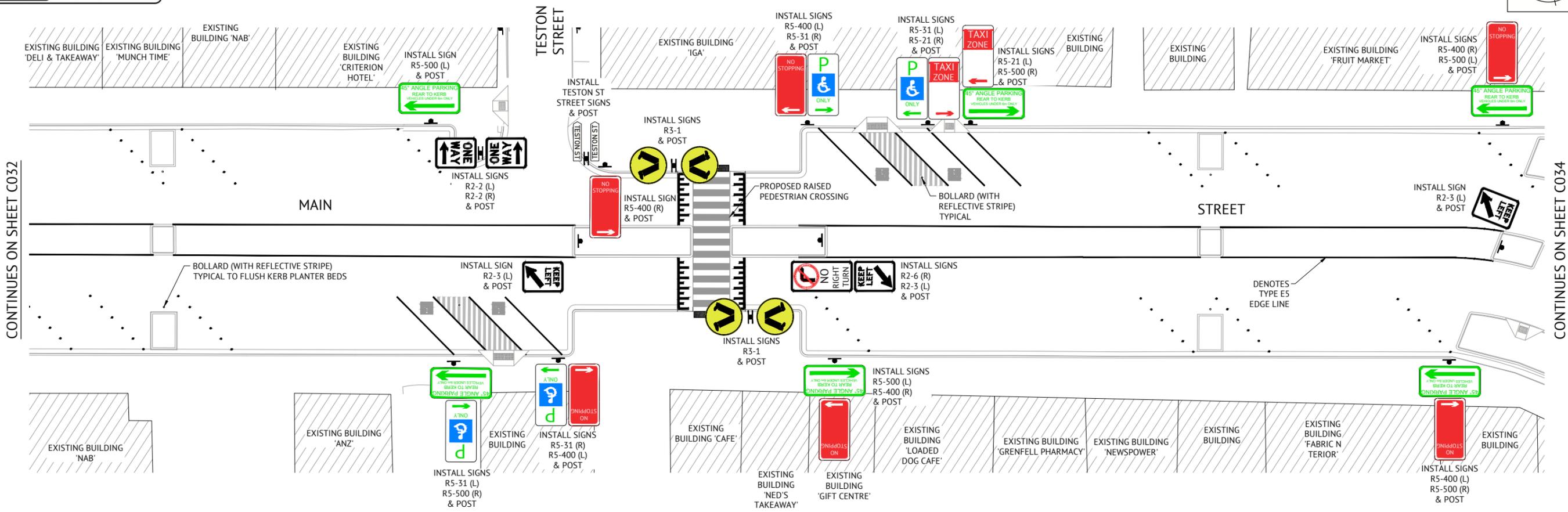
SHEET TITLE  
**SIGNAGE AND LINEMARKING PLAN, SHEET 2 OF 6**

JOB CODE  
**220109\_02**

SHEET NUMBER  
**C031**

REV  
**L**

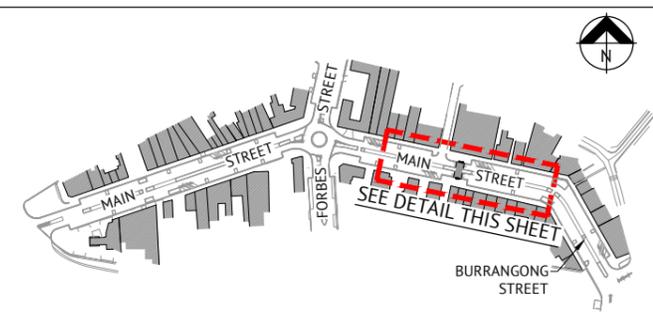




CONTINUES ON SHEET C032

CONTINUES ON SHEET C034

**NOTE**  
REFER TO SHEET C030 FOR  
SIGNAGE AND LINEMARKING NOTES.

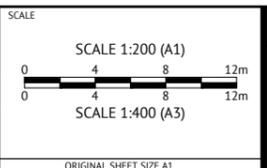


**SITE LOCALITY KEY**  
NOT TO SCALE

ISSUED FOR CONSTRUCTION					
DATE	REV	DESCRIPTION	REC	APP	REVISIONS
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG	
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04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH	
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH	
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH	
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH	

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CHECKED  
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PROJECT MANAGER  
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ENGINEERING CERTIFICATION



CLIENT  
**WEDDIN SHIRE COUNCIL**

PROJECT  
**GRENFELL MAIN STREET RENEWAL**

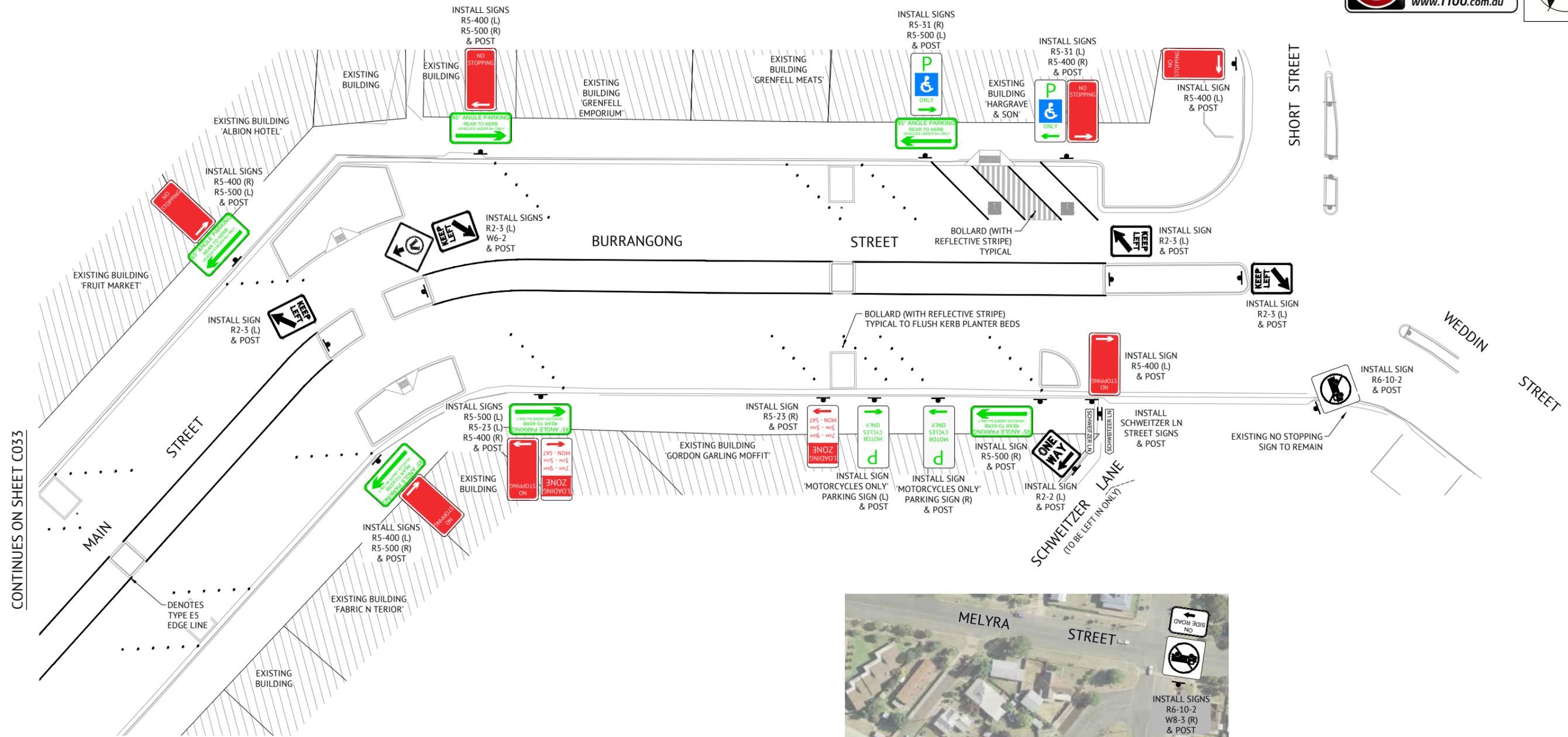
LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE  
**SIGNAGE AND LINEMARKING PLAN, SHEET 4 OF 6**

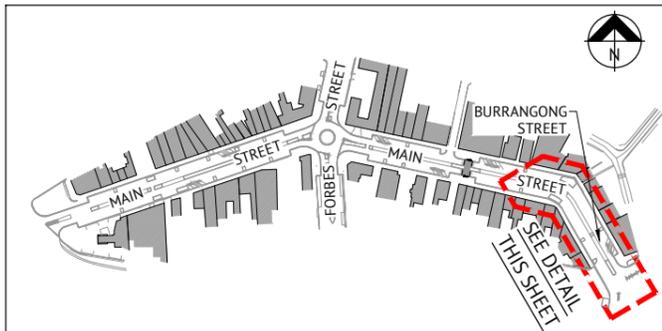
JOB CODE  
**220109\_02**

SHEET NUMBER  
**C033**

REV  
**L**

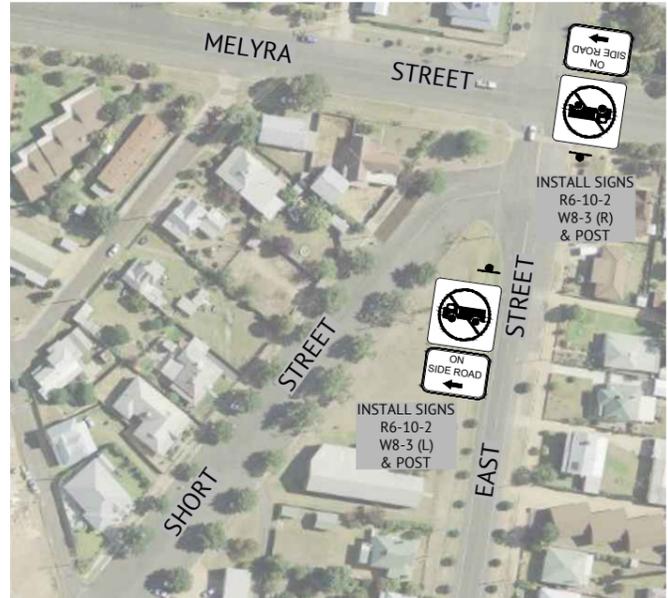


CONTINUES ON SHEET C033



**SITE LOCALITY KEY**  
NOT TO SCALE

**NOTE**  
REFER TO SHEET C030 FOR SIGNAGE AND LINEMARKING NOTES.



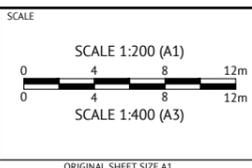
**EAST STREET SIGNAGE DETAIL**  
NOT TO SCALE

ISSUED FOR CONSTRUCTION					
DATE	REV	DESCRIPTION	REC	APP	REVISIONS
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG	
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04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH	
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH	
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH	
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH	

**Premise**

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DESIGNED  
**NICHOLLE STEVENSON**  
CHECKED  
**EDDIE GOULD**  
PROJECT MANAGER  
**EDDIE GOULD**  
ENGINEERING CERTIFICATION



CLIENT  
**WEDDIN SHIRE COUNCIL**

PROJECT  
**GRENFELL MAIN STREET RENEWAL**

LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE  
**SIGNAGE AND LINEMARKING PLAN, SHEET 5 OF 6**

JOB CODE <b>220109_02</b>	
SHEET NUMBER <b>C034</b>	REV <b>L</b>



**NOTE**  
THIS PLAN IS TO BE PRINTED AND READ IN COLOUR.

**NOTE**  
ALL SIGN LOCATIONS ARE TO BE CONFIRMED ONSITE WITH THE CONTRACTOR BY COUNCILS SUPERINTENDENT.

IMAGE SOURCE: SIX MAPS

ISSUED FOR CONSTRUCTION					
DATE	REV	DESCRIPTION	REC	APP	REVISIONS
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG	
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04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH	
19/02/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH	
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH	
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH	

**Premise**

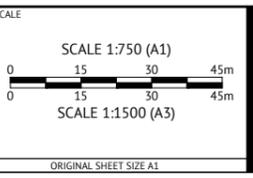
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DESIGNED  
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CHECKED  
**EDDIE GOULD**

PROJECT MANAGER  
**EDDIE GOULD**

ENGINEERING CERTIFICATION



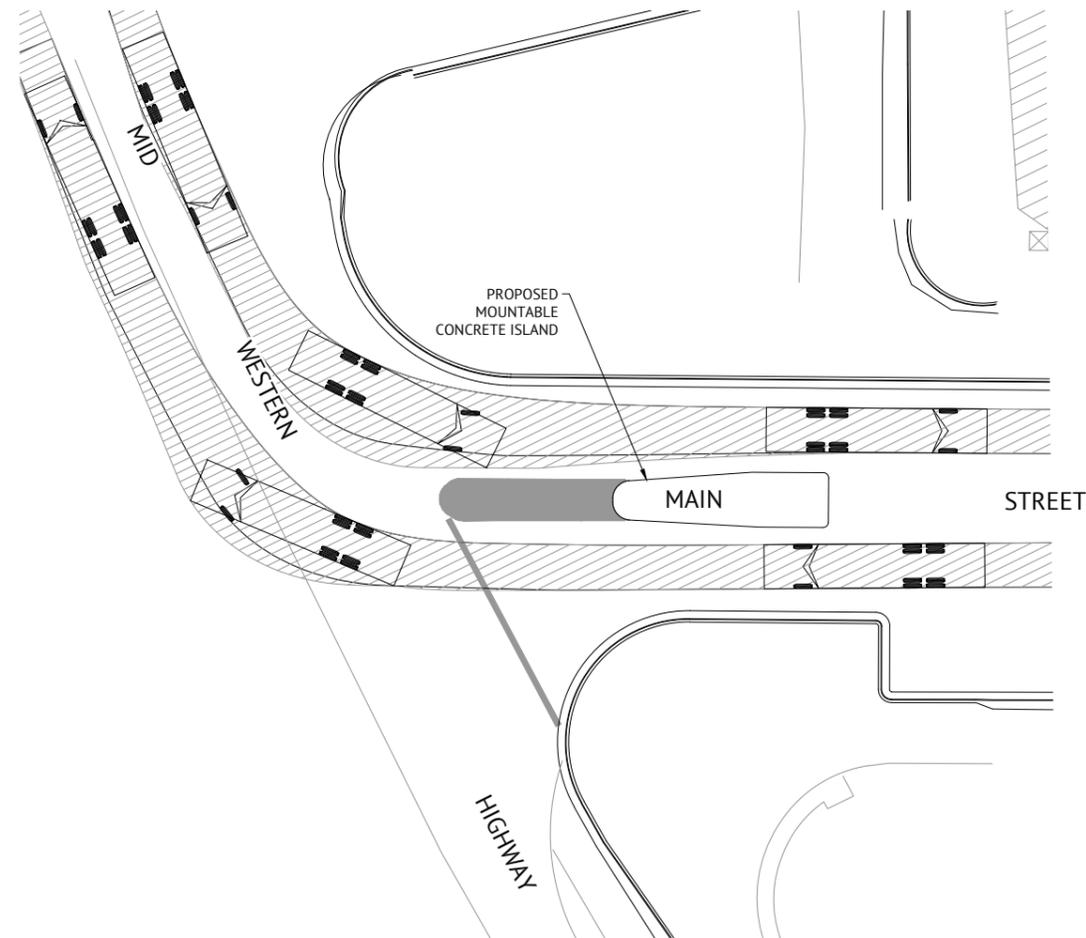
CLIENT  
**WEDDIN SHIRE COUNCIL**

PROJECT  
**GRENFELL MAIN STREET RENEWAL**

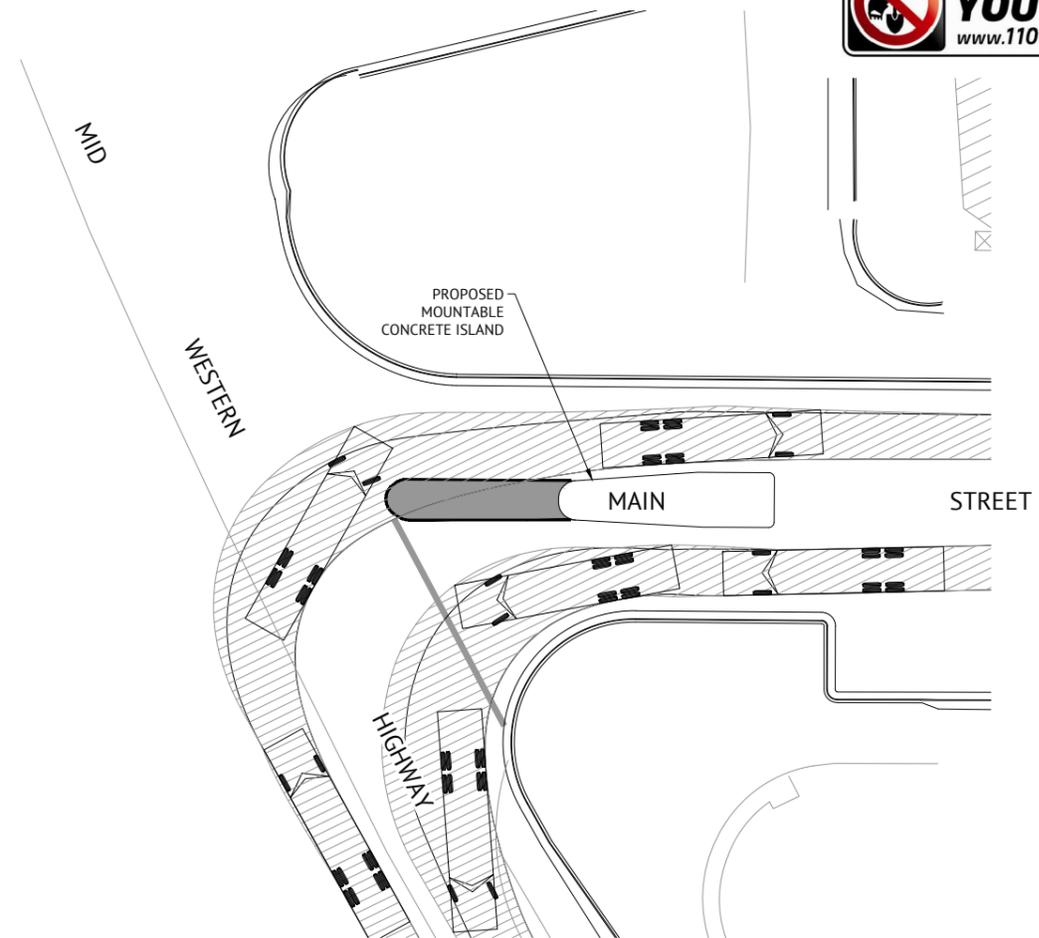
LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE  
**SIGNAGE AND LINEMARKING PLAN, SHEET 6 OF 6**

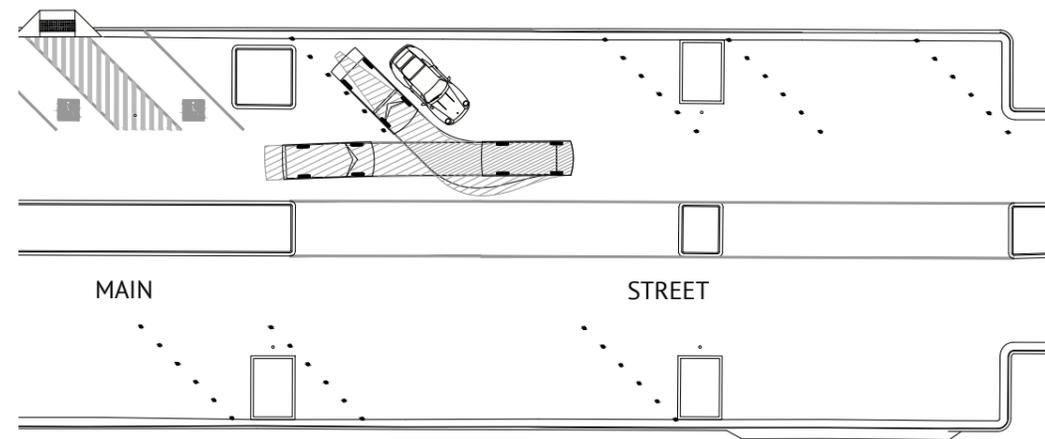
JOB CODE	<b>220109_02</b>
SHEET NUMBER	<b>C035</b>
REV	<b>L</b>



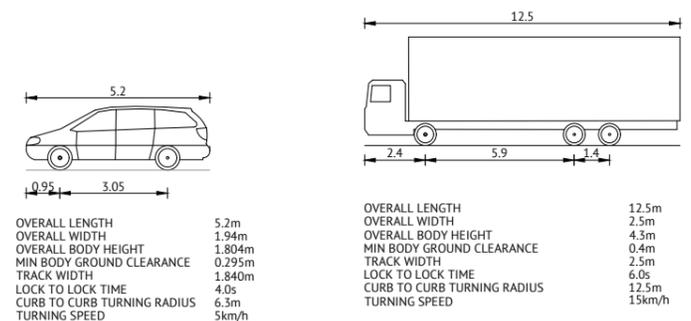
**12.5m LARGE RIGID BUS/TRUCK - MID WESTERN HIGHWAY & MAIN STREET  
INTERSECTION TURNING MOVEMENTS # 1**  
SCALE 1:200 (A1) 1:400 (A3)



**12.5m LARGE RIGID BUS/TRUCK - MID WESTERN HIGHWAY & MAIN STREET  
INTERSECTION TURNING MOVEMENTS # 2**  
SCALE 1:200 (A1) 1:400 (A3)



**5.2m PASSENGER VEHICLE - PARKING MOVEMENTS**  
SCALE 1:200 (A1) 1:400 (A3)



**5.2m PASSENGER VEHICLE** NOT TO SCALE  
**12.5m LARGE RIGID BUS/TRUCK VEHICLE** NOT TO SCALE

**NOTE**  
IN ACCORDANCE WITH AUSTRROADS, MINIMUM 500mm CLEARANCE IS REQUIRED FROM THE OUTSIDE OF THE VEHICLE SWEEPED PATH TO THE LIP OF KERB AND ALL OTHER OBSTRUCTIONS OR HAZARDS.

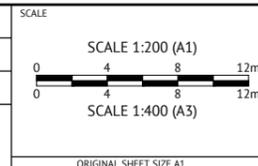
**ISSUED FOR CONSTRUCTION**

DATE	REV	DESCRIPTION	REC	APP
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG
23/07/2021	K	CLIENT AMENDMENTS (BURRANGONG STREET STORMWATER AMENDED) & ISSUED FOR APPROVAL	BW	SIH
04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH



**DUBBO OFFICE**  
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WEB: www.premise.com.au

DESIGNED  
**NICHOLLE STEVENSON**  
CHECKED  
**EDDIE GOULD**  
PROJECT MANAGER  
**EDDIE GOULD**  
ENGINEERING CERTIFICATION



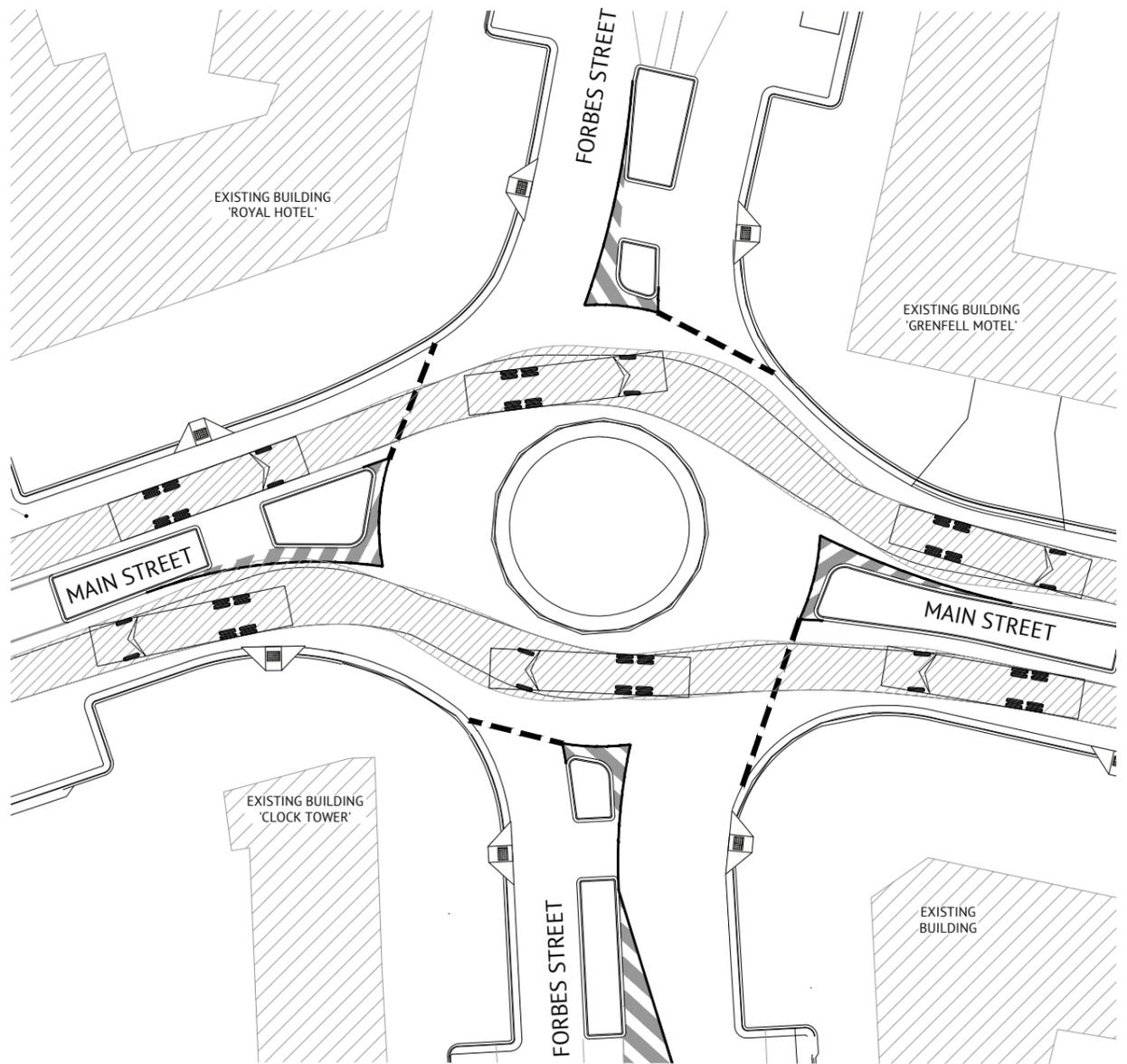
CLIENT

**WEDDIN SHIRE COUNCIL**

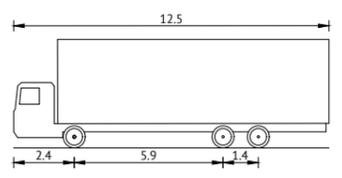
JOB CODE

PROJECT **GRENFELL MAIN STREET RENEWAL**  
LOCATION **MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**  
SHEET TITLE **VEHICLE TURNING PATHS, SHEET 1 OF 10**

**220109\_02**  
SHEET NUMBER **C036** REV **L**



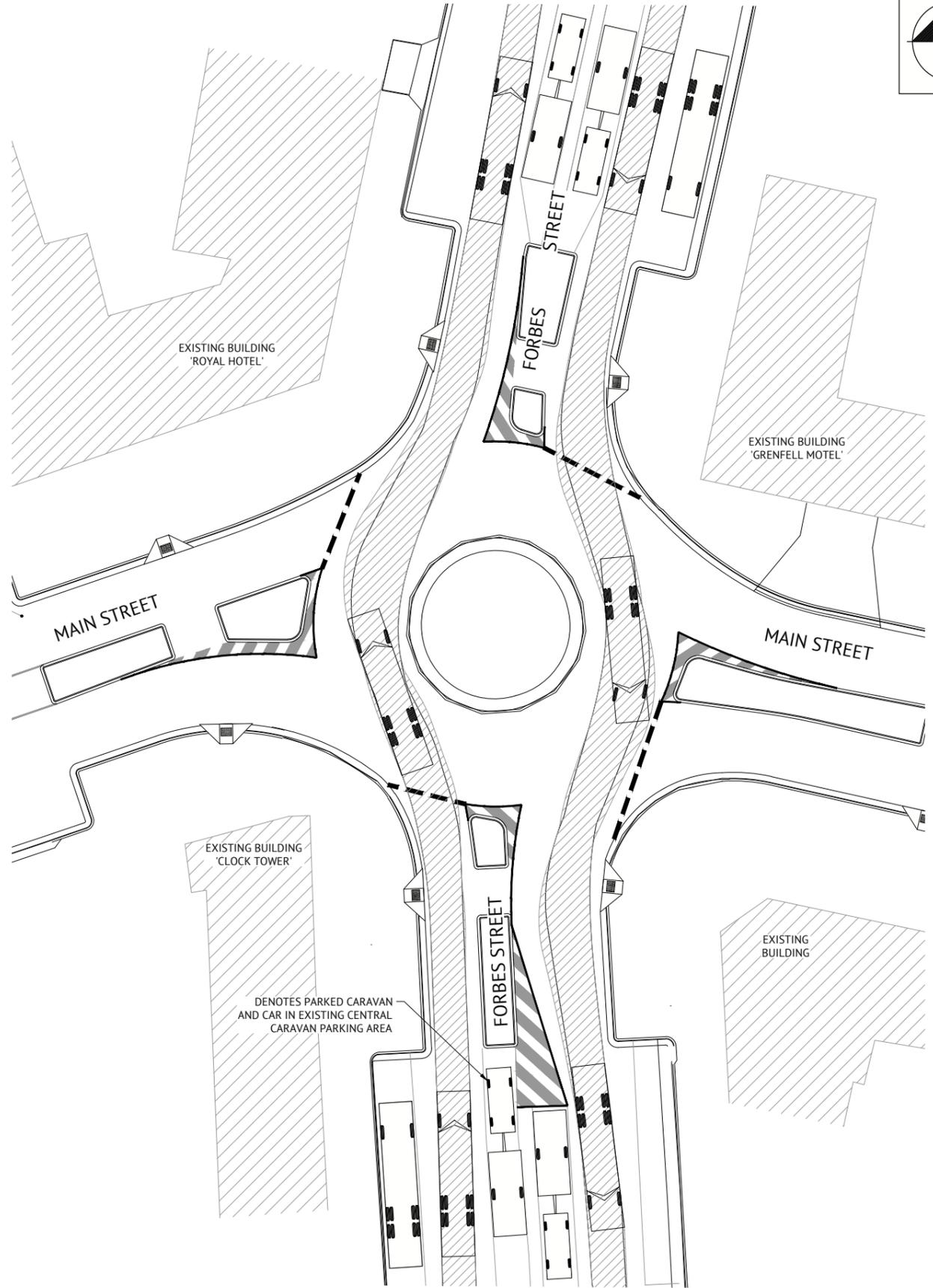
12.5m LARGE RIGID BUS/TRUCK - ROUNDABOUT TURNING MOVEMENTS # 1  
SCALE 1:200 (A1) 1:400 (A3)



OVERALL LENGTH	12.5m
OVERALL WIDTH	2.5m
OVERALL BODY HEIGHT	4.3m
MIN BODY GROUND CLEARANCE	0.4m
TRACK WIDTH	2.5m
LOCK TO LOCK TIME	6.0s
CURB TO CURB TURNING RADIUS	12.5m
TURNING SPEED	15km/h

12.5m LARGE RIGID BUS/TRUCK VEHICLE  
NOT TO SCALE

**NOTE**  
IN ACCORDANCE WITH AUSTRROADS,  
MINIMUM 500mm CLEARANCE IS REQUIRED  
FROM THE OUTSIDE OF THE VEHICLE SWEEP  
PATH TO THE LIP OF KERB AND ALL OTHER  
OBSTRUCTIONS OR HAZARDS.



12.5m LARGE RIGID BUS/TRUCK - ROUNDABOUT TURNING MOVEMENTS # 2  
SCALE 1:200 (A1) 1:400 (A3)

**ISSUED FOR CONSTRUCTION**

DATE	REV	DESCRIPTION	REVISED BY	APP
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG
23/07/2021	K	CLIENT AMENDMENTS (BURRANGONG STREET STORMWATER AMENDED) & ISSUED FOR APPROVAL	BW	SIH
04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH

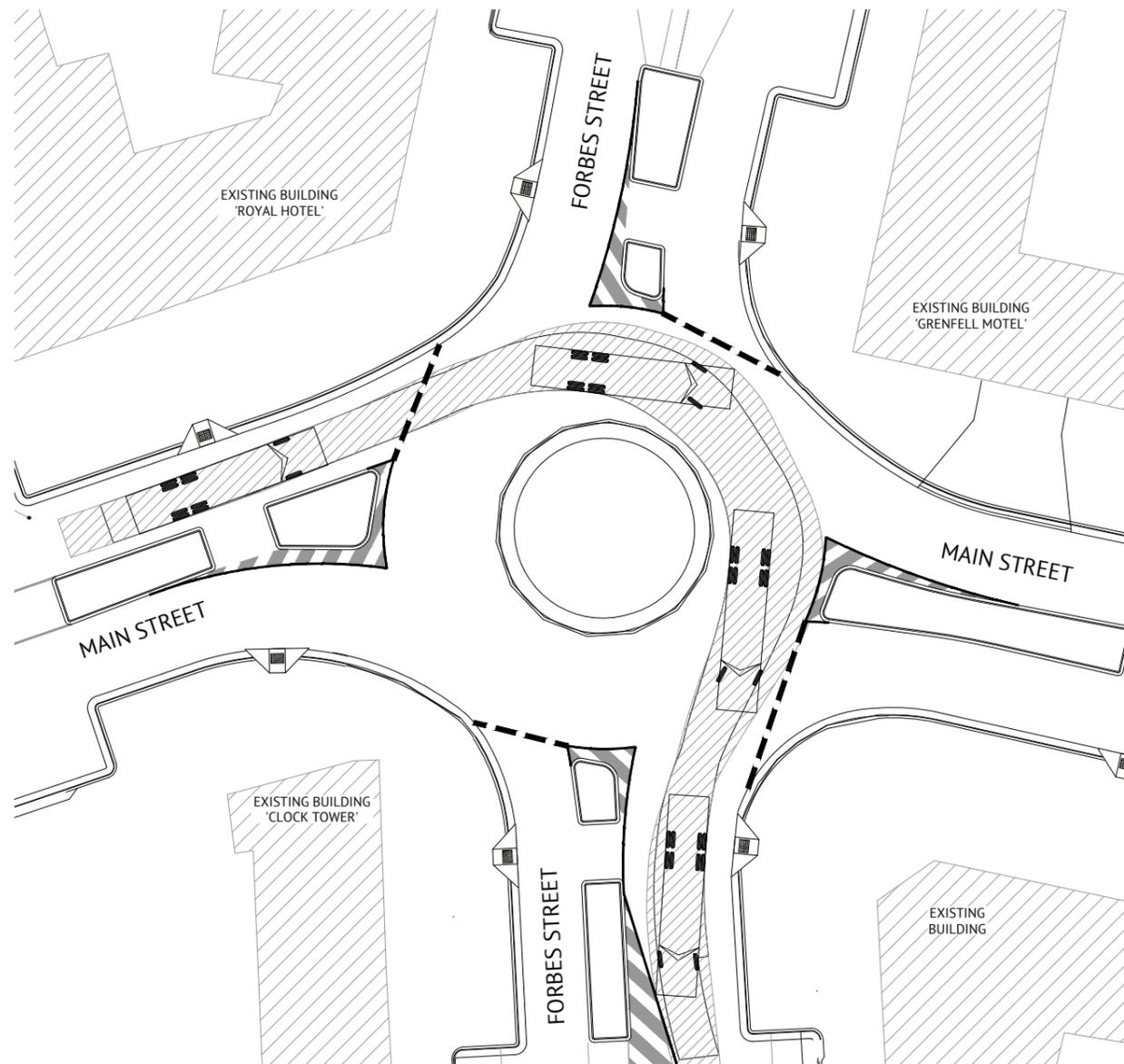
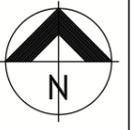
**Premise**  
DUBBO OFFICE  
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WEB: www.premise.com.au

DESIGNED  
**NICHOLLE STEVENSON**  
CHECKED  
**EDDIE GOULD**  
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**EDDIE GOULD**  
ENGINEERING CERTIFICATION

SCALE  
SCALE 1:200 (A1)  
0 4 8 12m  
SCALE 1:400 (A3)  
0 4 8 12m  
ORIGINAL SHEET SIZE A1

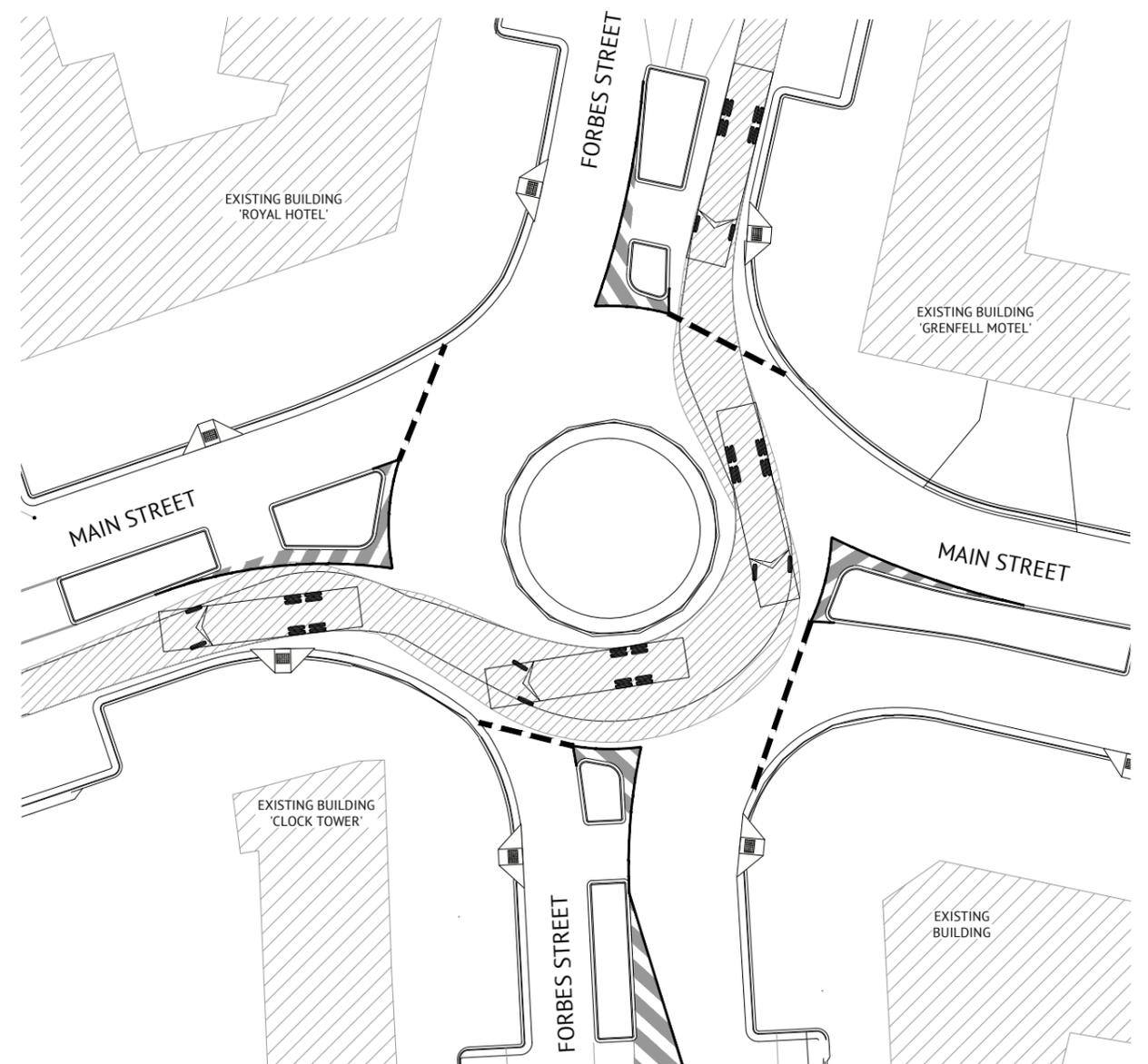
CLIENT  
**WEDDIN SHIRE COUNCIL**  
PROJECT  
**GRENFELL MAIN STREET RENEWAL**  
LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**  
SHEET TITLE  
**VEHICLE TURNING PATHS, SHEET 2 OF 10**

JOB CODE  
**220109\_02**  
SHEET NUMBER  
**C037**  
REV  
**L**



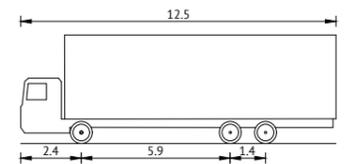
12.5m LARGE RIGID BUS/TRUCK - ROUNDABOUT TURNING MOVEMENTS # 3

SCALE 1:200 (A1) 1:400 (A3)



12.5m LARGE RIGID BUS/TRUCK - ROUNDABOUT TURNING MOVEMENTS # 4

SCALE 1:200 (A1) 1:400 (A3)



OVERALL LENGTH	12.5m
OVERALL WIDTH	2.5m
OVERALL BODY HEIGHT	4.3m
MIN BODY GROUND CLEARANCE	0.4m
TRACK WIDTH	2.5m
LOCK TO LOCK TIME	6.0s
CURB TO CURB TURNING RADIUS	12.5m
TURNING SPEED	15km/h

12.5m LARGE RIGID BUS/TRUCK VEHICLE

NOT TO SCALE

**NOTE**  
IN ACCORDANCE WITH AUSTRROADS, MINIMUM 500mm CLEARANCE IS REQUIRED FROM THE OUTSIDE OF THE VEHICLE SWEEPED PATH TO THE LIP OF KERB AND ALL OTHER OBSTRUCTIONS OR HAZARDS.

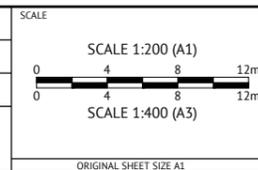
**ISSUED FOR CONSTRUCTION**

DATE	REV	DESCRIPTION	REC	APP
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG
23/07/2021	K	CLIENT AMENDMENTS (BURRANGONG STREET STORMWATER AMENDED) & ISSUED FOR APPROVAL	BW	SIH
04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH



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DESIGNED  
**NICHOLLE STEVENSON**  
CHECKED  
**EDDIE GOULD**  
PROJECT MANAGER  
**EDDIE GOULD**  
ENGINEERING CERTIFICATION



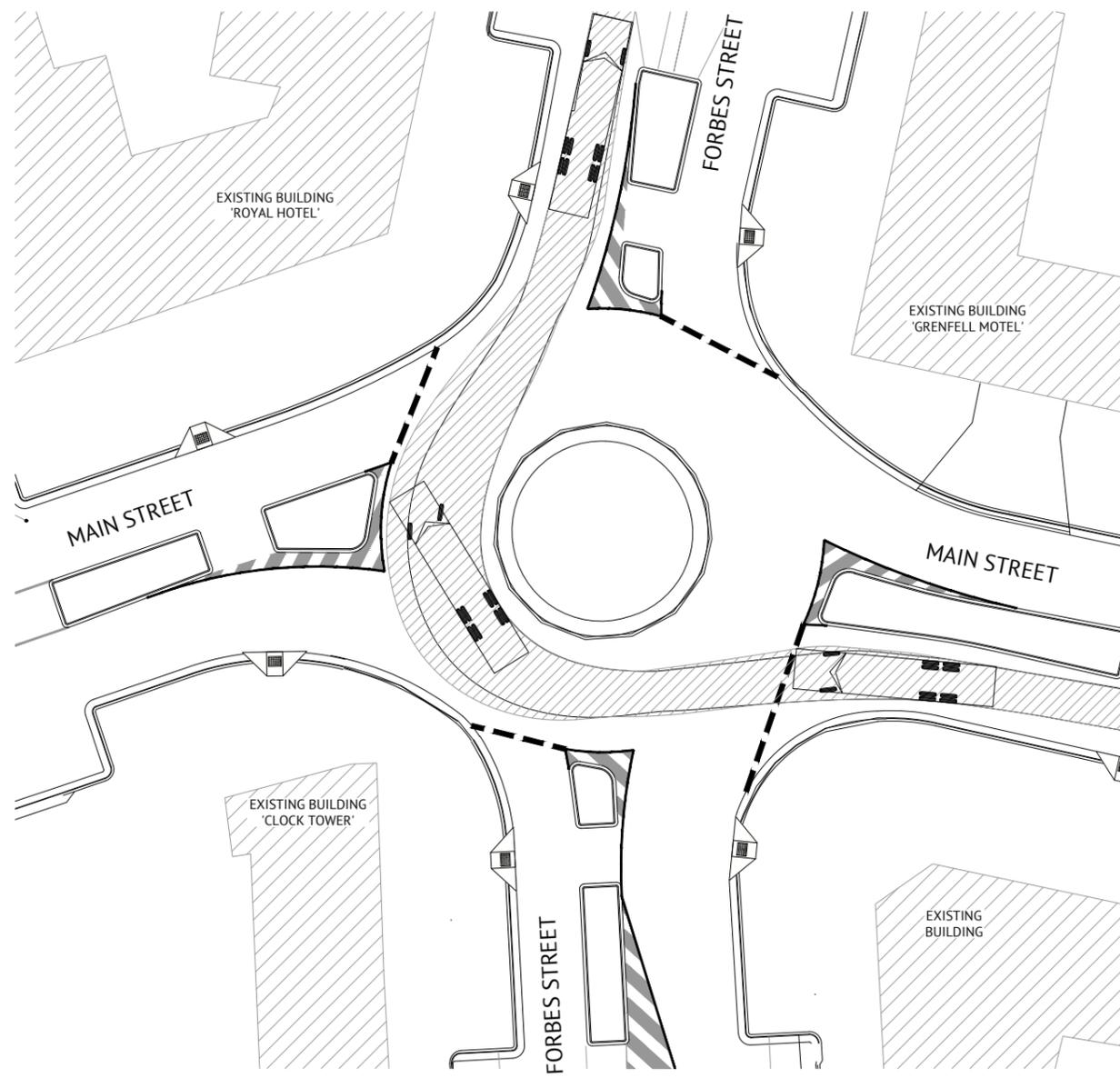
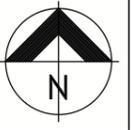
CLIENT **WEDDIN SHIRE COUNCIL**

PROJECT **GRENFELL MAIN STREET RENEWAL**

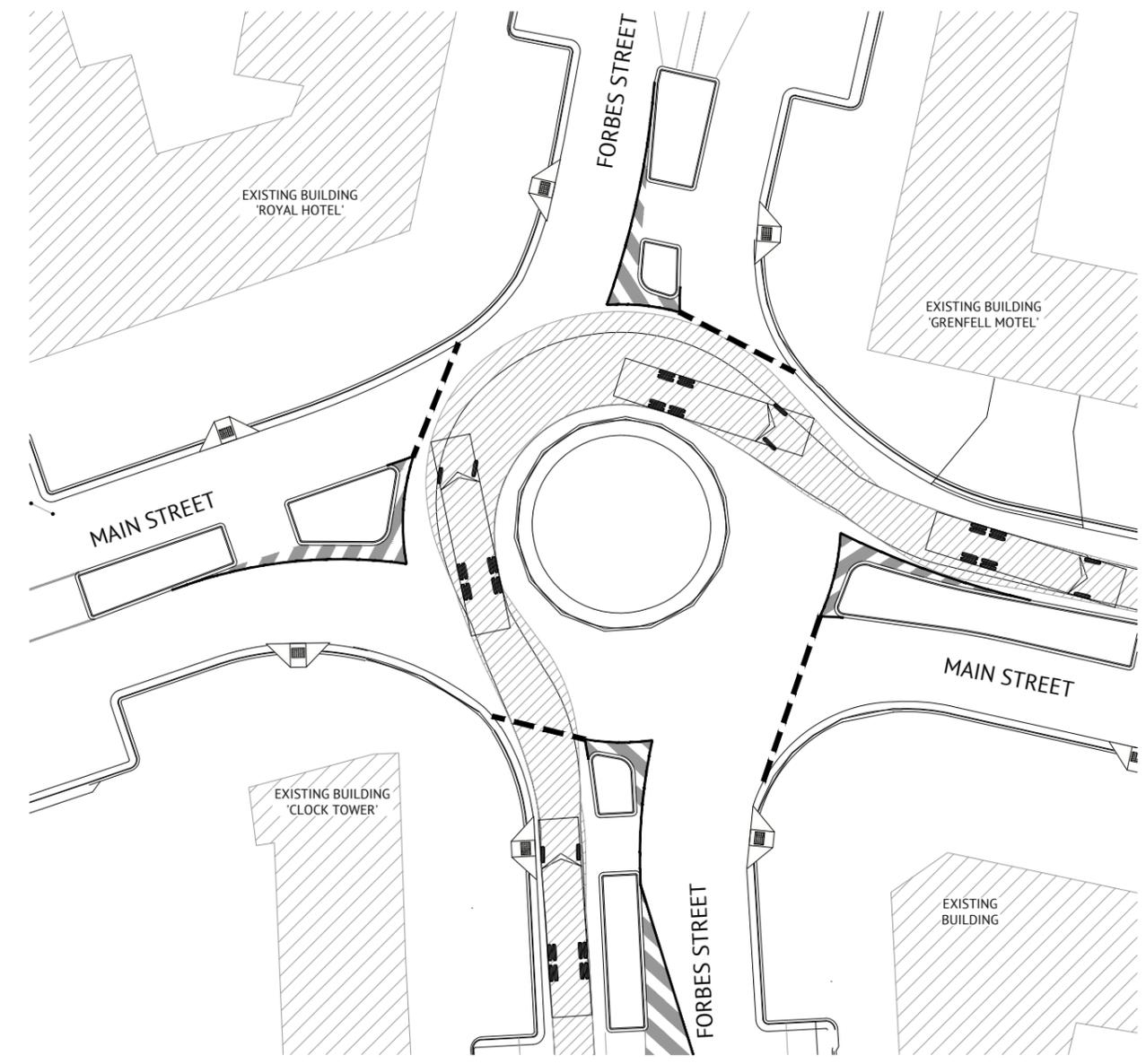
LOCATION **MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE **VEHICLE TURNING PATHS, SHEET 3 OF 10**

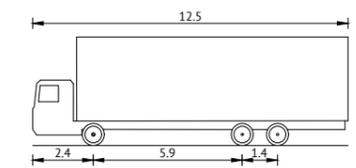
JOB CODE	<b>220109_02</b>
SHEET NUMBER	<b>C038</b>
REV	<b>L</b>



**12.5m LARGE RIGID BUS/TRUCK - ROUNDABOUT TURNING MOVEMENTS # 5**  
SCALE 1:200 (A1) 1:400 (A3)



**12.5m LARGE RIGID BUS/TRUCK - ROUNDABOUT TURNING MOVEMENTS # 6**  
SCALE 1:200 (A1) 1:400 (A3)



OVERALL LENGTH	12.5m
OVERALL WIDTH	2.5m
OVERALL BODY HEIGHT	4.3m
MIN BODY GROUND CLEARANCE	0.4m
TRACK WIDTH	2.5m
LOCK TO LOCK TIME	6.0s
CURB TO CURB TURNING RADIUS	12.5m
TURNING SPEED	15km/h

**12.5m LARGE RIGID BUS/TRUCK VEHICLE**  
NOT TO SCALE

**NOTE**  
IN ACCORDANCE WITH AUSTRROADS, MINIMUM 500mm CLEARANCE IS REQUIRED FROM THE OUTSIDE OF THE VEHICLE SWEEPED PATH TO THE LIP OF KERB AND ALL OTHER OBSTRUCTIONS OR HAZARDS.

ISSUED FOR CONSTRUCTION					
DATE	REV	DESCRIPTION	REC	APP	REVISIONS
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG	
23/07/2021	K	CLIENT AMENDMENTS (BARRANGONG STREET STORMWATER AMENDED) & ISSUED FOR APPROVAL	BW	SIH	
04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH	
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH	
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH	
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH	

**Premise**

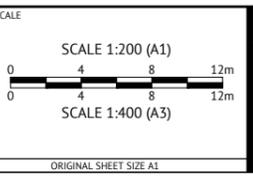
**DUBBO OFFICE**  
1ST FLOOR  
62 WINGEWARRA STREET  
DUBBO, NSW 2830  
PH: (02) 6887 4500  
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DESIGNED  
**NICHOLLE STEVENSON**

CHECKED  
**EDDIE GOULD**

PROJECT MANAGER  
**EDDIE GOULD**

ENGINEERING CERTIFICATION



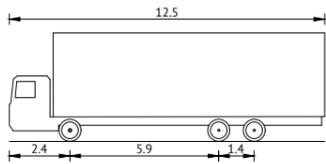
CLIENT **WEDDIN SHIRE COUNCIL**

PROJECT **GRENFELL MAIN STREET RENEWAL**

LOCATION **MAIN STREET, FORBES STREET & BARRANGONG STREET, GRENFELL**

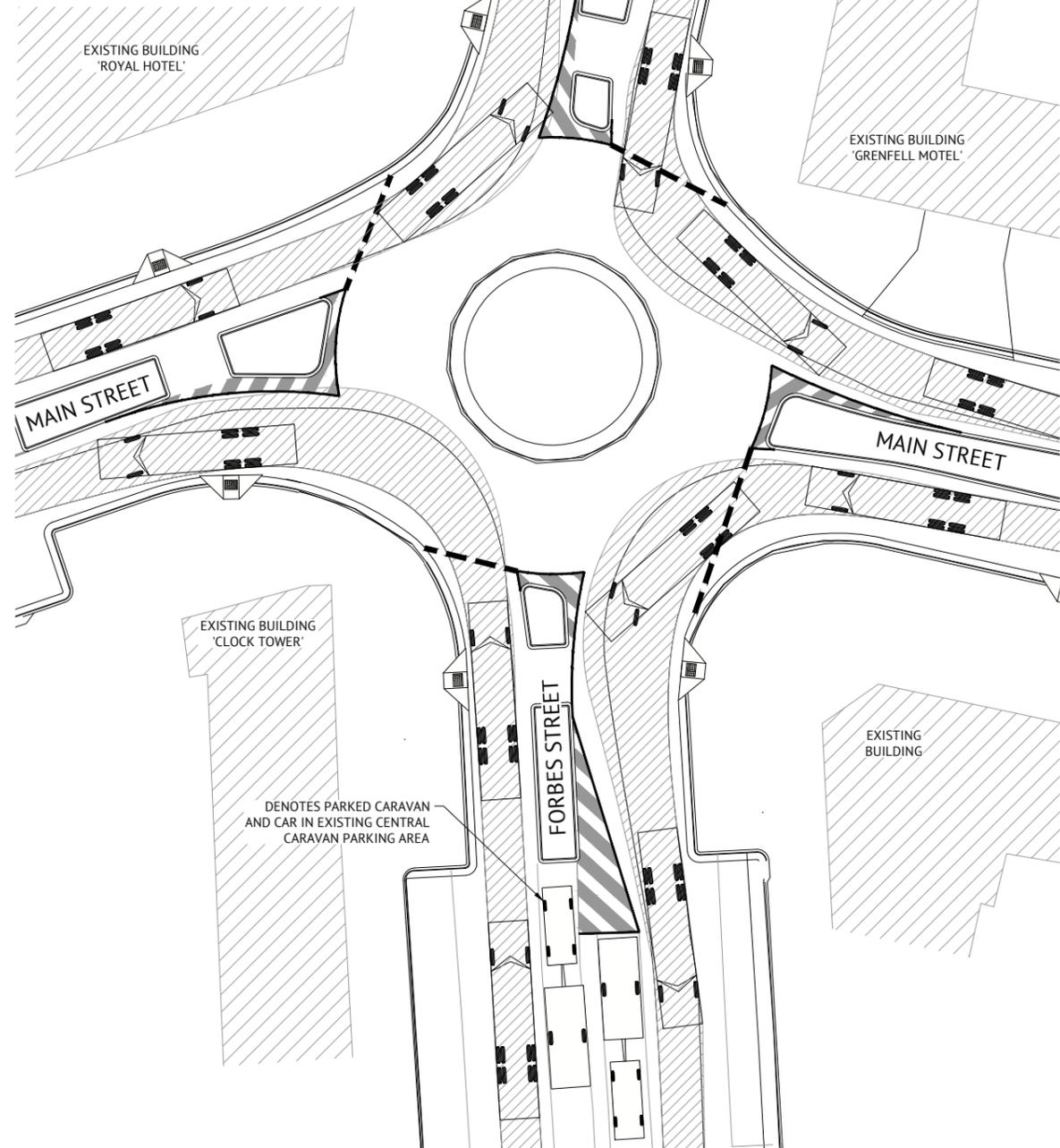
SHEET TITLE **VEHICLE TURNING PATHS, SHEET 4 OF 10**

JOB CODE	<b>220109_02</b>
SHEET NUMBER	<b>C039</b>
REV	<b>L</b>

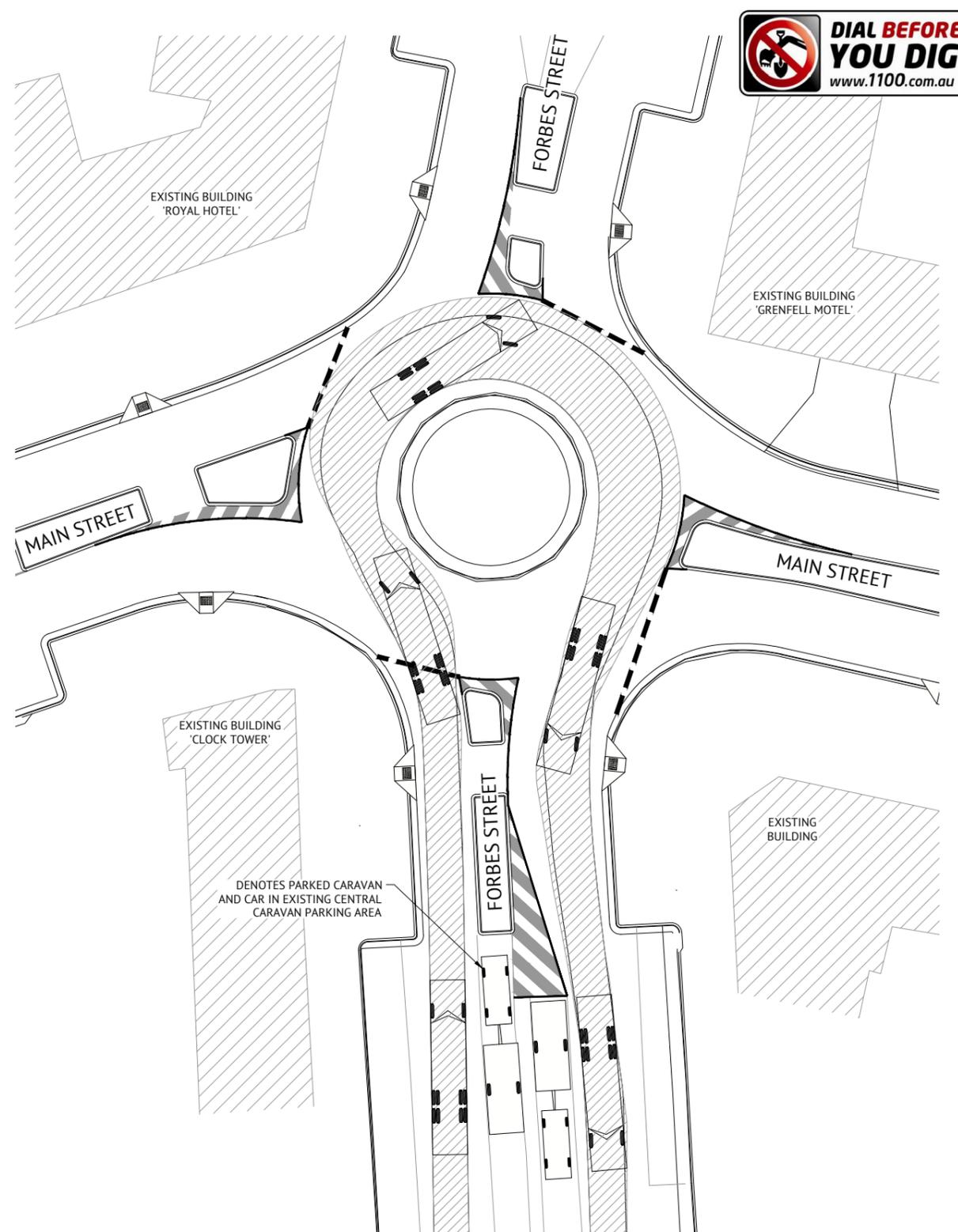


OVERALL LENGTH 12.5m  
 OVERALL WIDTH 2.5m  
 OVERALL BODY HEIGHT 4.3m  
 MIN BODY GROUND CLEARANCE 0.4m  
 TRACK WIDTH 2.5m  
 LOCK TO LOCK TIME 6.0s  
 CURB TO CURB TURNING RADIUS 12.5m  
 TURNING SPEED 15km/h

**12.5m LARGE RIGID BUS/TRUCK VEHICLE**  
 NOT TO SCALE



**12.5m LARGE RIGID BUS/TRUCK - ROUNDABOUT TURNING MOVEMENTS # 7**  
 SCALE 1:200 (A1) 1:400 (A3)



**12.5m LARGE RIGID BUS/TRUCK - ROUNDABOUT TURNING MOVEMENTS # 8**  
 SCALE 1:200 (A1) 1:400 (A3)

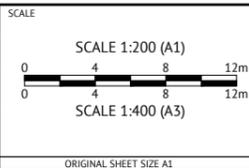


**NOTE**  
 IN ACCORDANCE WITH AUSTRROADS,  
 MINIMUM 500mm CLEARANCE IS REQUIRED  
 FROM THE OUTSIDE OF THE VEHICLE SWEEP  
 PATH TO THE LIP OF KERB AND ALL OTHER  
 OBSTRUCTIONS OR HAZARDS.

ISSUED FOR CONSTRUCTION					
DATE	REV	DESCRIPTION	REC	APP	REVISIONS
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG	
23/07/2021	K	CLIENT AMENDMENTS (BURRANGONG STREET STORMWATER AMENDED) & ISSUED FOR APPROVAL	BW	SIH	
04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH	
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH	
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH	
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH	

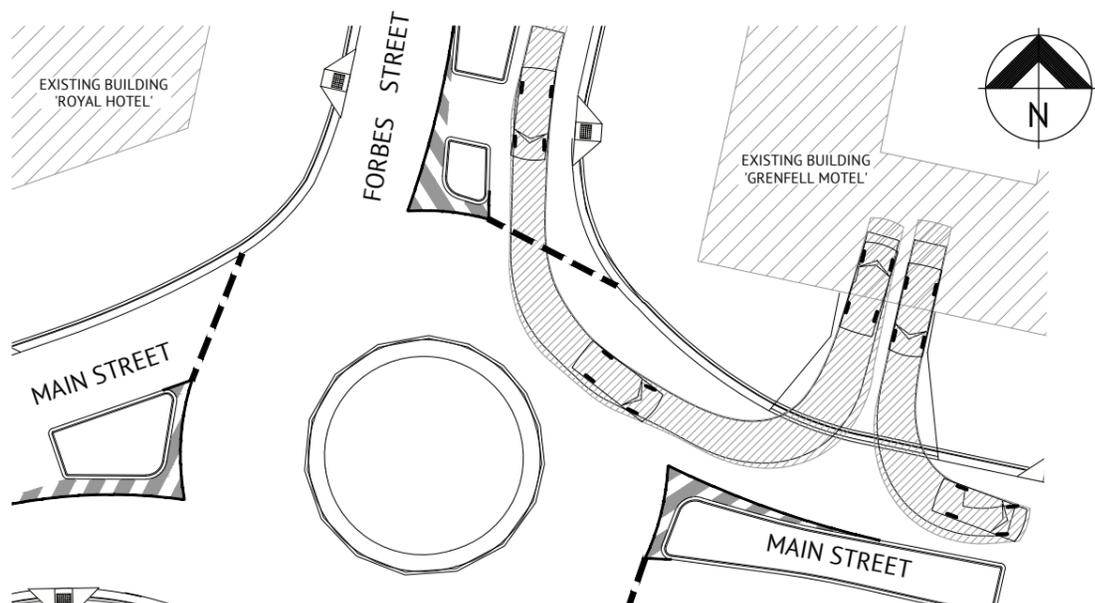
**Premise**  
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 DUBBO, NSW 2830  
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DESIGNED  
 NICHOLLE STEVENSON  
 CHECKED  
 EDDIE GOULD  
 PROJECT MANAGER  
 EDDIE GOULD  
 ENGINEERING CERTIFICATION



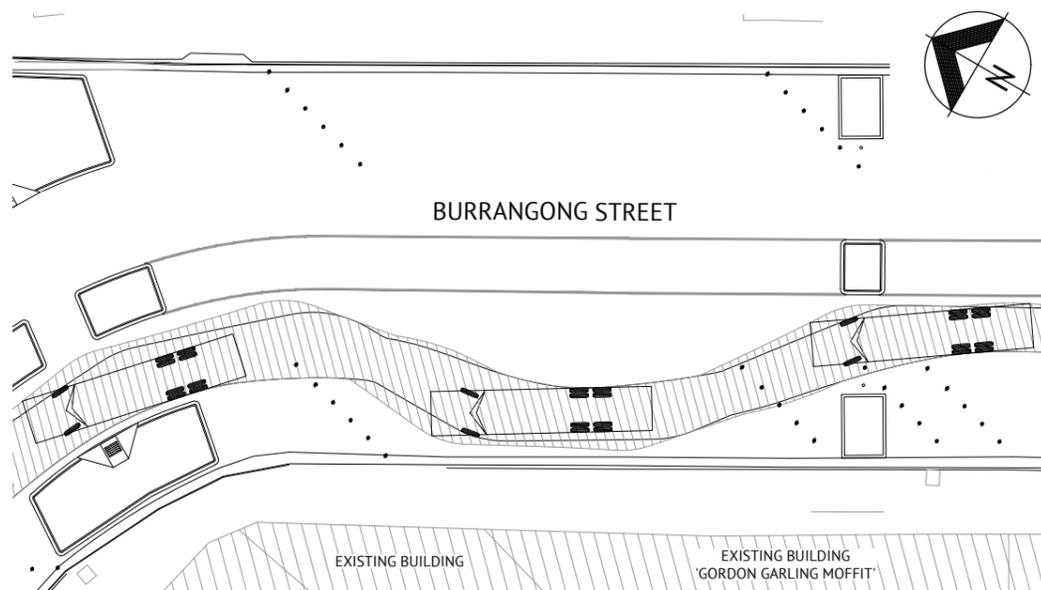
CLIENT  
**WEDDIN SHIRE COUNCIL**  
 PROJECT  
**GRENFELL MAIN STREET RENEWAL**  
 LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**  
 SHEET TITLE  
**VEHICLE TURNING PATHS, SHEET 5 OF 10**

JOB CODE  
**220109\_02**  
 SHEET NUMBER  
**C040**  
 REV  
**L**



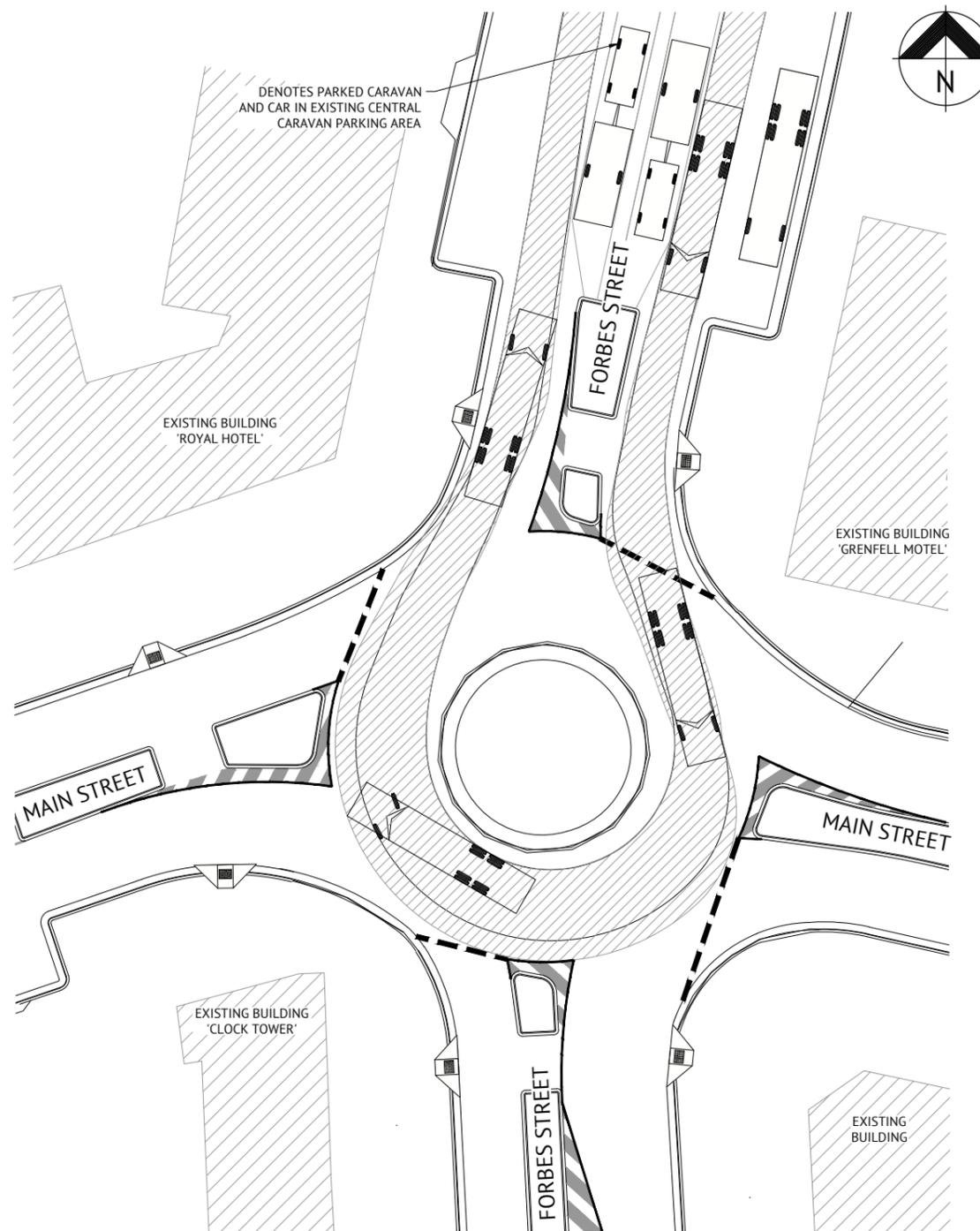
**5.2m PASSENGER VEHICLE - GRENFELL MOTEL DRIVEWAY TURNING MOVEMENTS**

SCALE 1:200 (A1) 1:400 (A3)



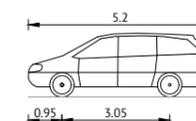
**12.5m RIGID VEHICLE - LOADING ZONE PARKING MOVEMENTS**

SCALE 1:200 (A1) 1:400 (A3)



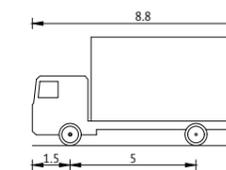
**12.5m LARGE RIGID BUS/TRUCK - ROUNDABOUT TURNING MOVEMENTS # 9**

SCALE 1:200 (A1) 1:400 (A3)



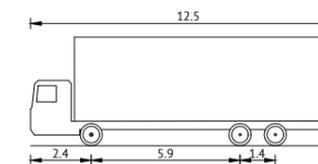
OVERALL LENGTH 5.2m  
OVERALL WIDTH 1.94m  
OVERALL BODY HEIGHT 1.804m  
MIN BODY GROUND CLEARANCE 0.295m  
TRACK WIDTH 1.840m  
LOCK TO LOCK TIME 4.0s  
CURB TO CURB TURNING RADIUS 6.3m  
TURNING SPEED 15km/h

**5.2m PASSENGER VEHICLE**  
NOT TO SCALE



OVERALL LENGTH 8.8m  
OVERALL WIDTH 2.5m  
OVERALL BODY HEIGHT 4.3m  
MIN BODY GROUND CLEARANCE 0.427m  
TRACK WIDTH 2.5m  
LOCK TO LOCK TIME 4.0s  
CURB TO CURB TURNING RADIUS 12.5m  
TURNING SPEED 15km/h

**8.8m RIGID VEHICLE**  
NOT TO SCALE



OVERALL LENGTH 12.5m  
OVERALL WIDTH 2.5m  
OVERALL BODY HEIGHT 4.3m  
MIN BODY GROUND CLEARANCE 0.4m  
TRACK WIDTH 2.5m  
LOCK TO LOCK TIME 6.0s  
CURB TO CURB TURNING RADIUS 12.5m  
TURNING SPEED 15km/h

**12.5m LARGE RIGID BUS/TRUCK VEHICLE**  
NOT TO SCALE

**NOTE**  
IN ACCORDANCE WITH AUSTRROADS, MINIMUM 500mm CLEARANCE IS REQUIRED FROM THE OUTSIDE OF THE VEHICLE SWEEPED PATH TO THE LIP OF KERB AND ALL OTHER OBSTRUCTIONS OR HAZARDS.

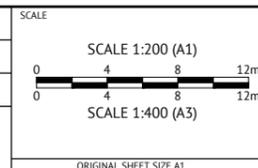
**ISSUED FOR CONSTRUCTION**

DATE	REV	DESCRIPTION	REC	APP
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG
23/07/2021	K	CLIENT AMENDMENTS (BURRANGONG STREET STORMWATER AMENDED) & ISSUED FOR APPROVAL	BW	SIH
04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH



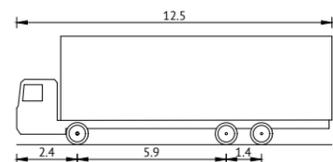
**DUBBO OFFICE**  
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62 WINGEWARRA STREET  
DUBBO, NSW 2830  
PH: (02) 6887 4500  
WEB: www.premise.com.au

DESIGNED  
**NICHOLLE STEVENSON**  
CHECKED  
**EDDIE GOULD**  
PROJECT MANAGER  
**EDDIE GOULD**  
ENGINEERING CERTIFICATION



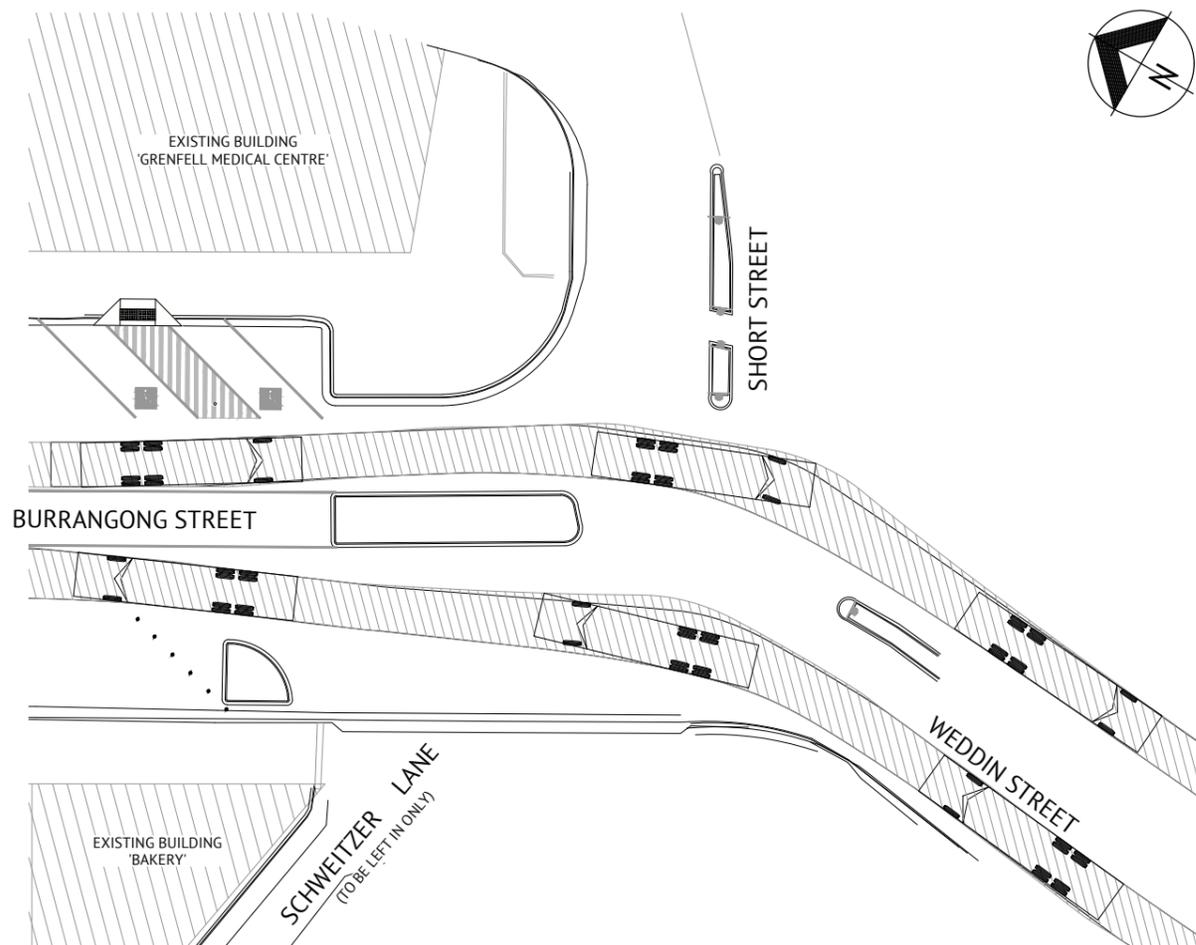
CLIENT **WEDDIN SHIRE COUNCIL**  
PROJECT **GRENFELL MAIN STREET RENEWAL**  
LOCATION **MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**  
SHEET TITLE **VEHICLE TURNING PATHS, SHEET 6 OF 10**

JOB CODE **220109\_02**  
SHEET NUMBER **C041**  
REV **L**

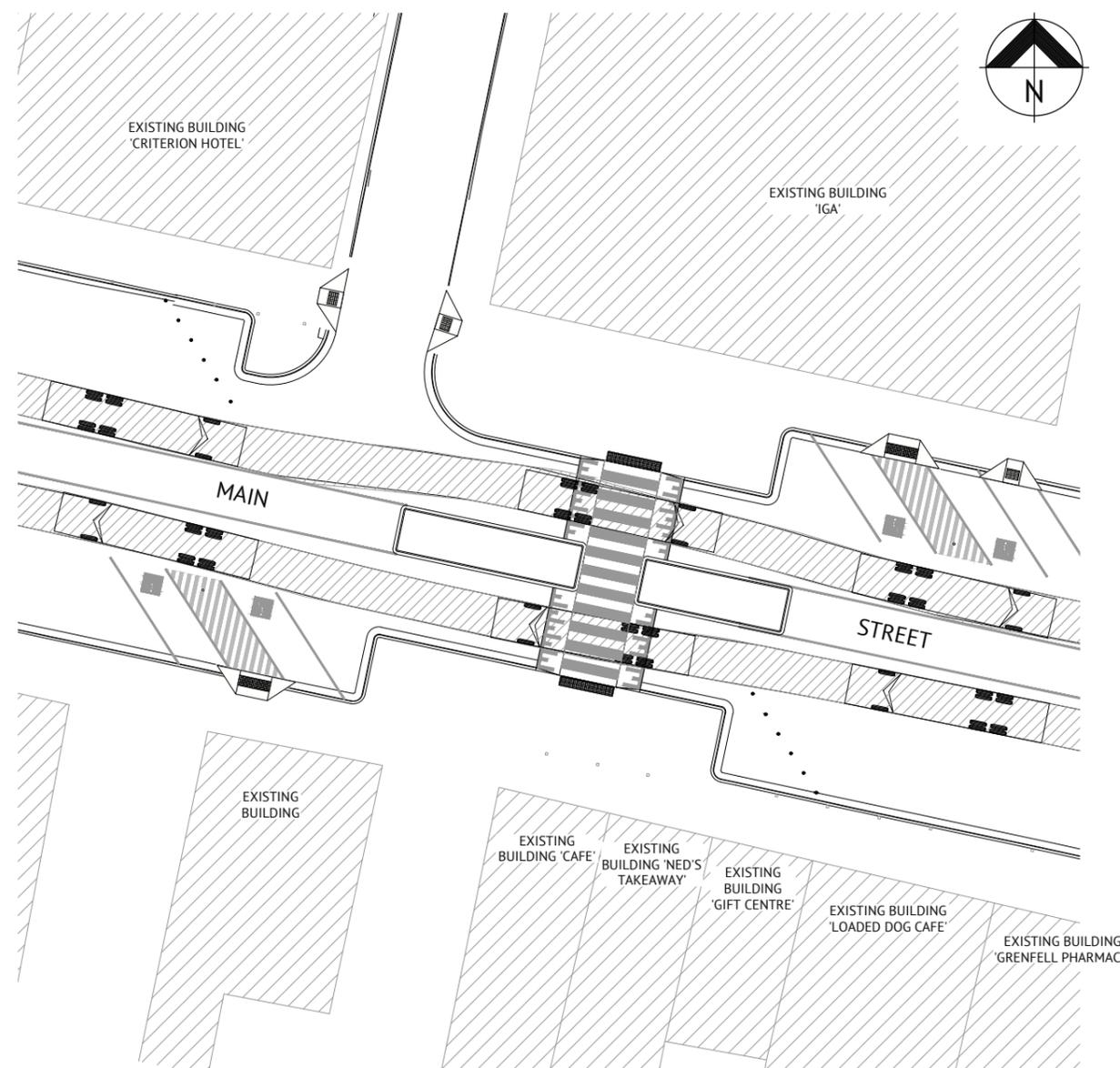


OVERALL LENGTH 12.5m  
 OVERALL WIDTH 2.5m  
 OVERALL BODY HEIGHT 4.3m  
 MIN BODY GROUND CLEARANCE 0.4m  
 TRACK WIDTH 2.5m  
 LOCK TO LOCK TIME 6.0s  
 CURB TO CURB TURNING RADIUS 12.5m  
 TURNING SPEED 15km/h

**12.5m LARGE RIGID BUS/TRUCK VEHICLE**  
NOT TO SCALE



**12.5m LARGE RIGID BUS/TRUCK - BURRANGONG STREET & WEDDIN STREET**  
**TURNING MOVEMENTS**  
SCALE 1:200 (A1) 1:400 (A3)



**12.5m LARGE RIGID BUS/TRUCK - PEDESTRIAN CROSSING**  
SCALE 1:200 (A1) 1:400 (A3)

**NOTE**  
IN ACCORDANCE WITH AUSTRROADS,  
MINIMUM 500mm CLEARANCE IS REQUIRED  
FROM THE OUTSIDE OF THE VEHICLE SWEEP  
PATH TO THE LIP OF KERB AND ALL OTHER  
OBSTRUCTIONS OR HAZARDS.

ISSUED FOR CONSTRUCTION					
DATE	REV	DESCRIPTION	REC	APP	REVISIONS
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG	
23/07/2021	K	CLIENT AMENDMENTS (BURRANGONG STREET STORMWATER AMENDED) & ISSUED FOR APPROVAL	BW	SIH	
04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH	
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH	
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH	
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH	

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 62 WINGEWARRA STREET  
 DUBBO, NSW 2830  
 PH: (02) 6887 4500  
 WEB: www.premise.com.au

DESIGNED  
NICHOLLE STEVENSON  
 CHECKED  
EDDIE GOULD  
 PROJECT MANAGER  
EDDIE GOULD  
 ENGINEERING CERTIFICATION

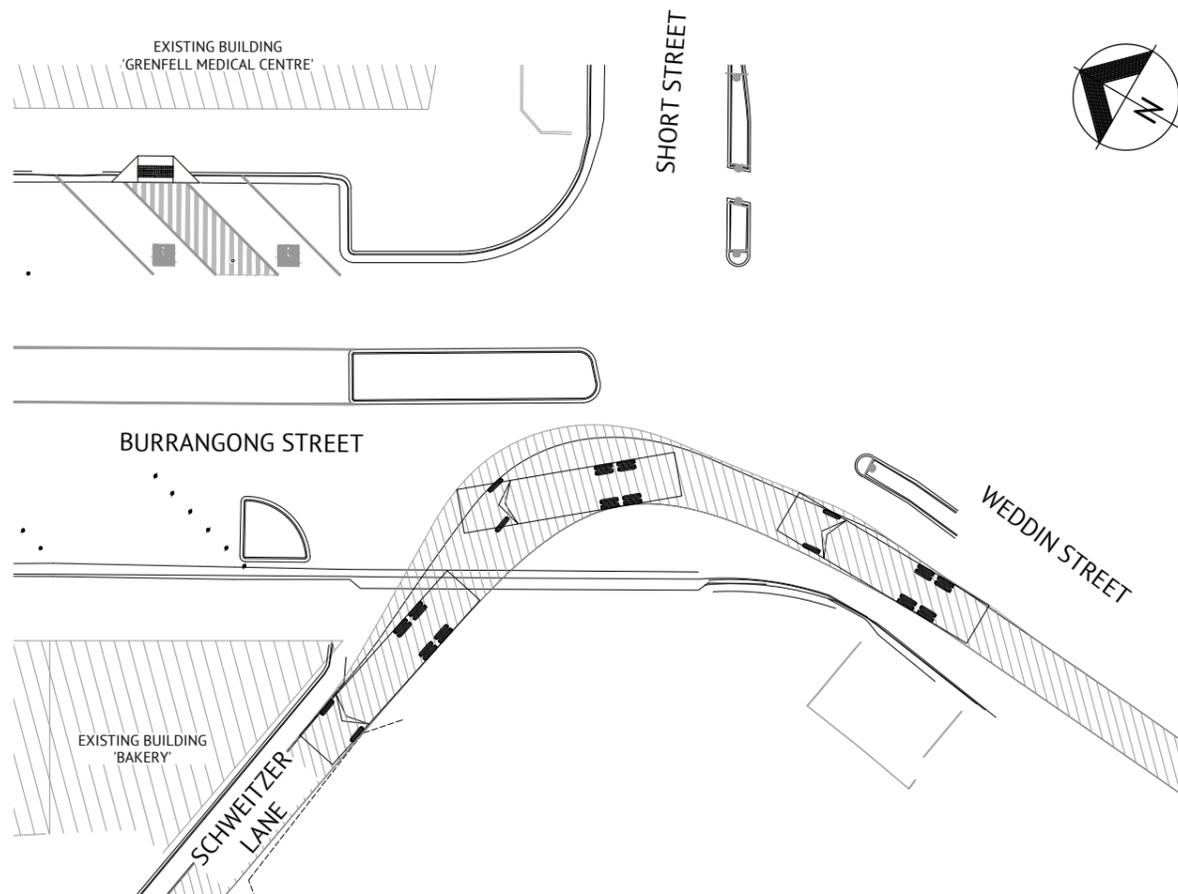
SCALE  
 SCALE 1:200 (A1)  
 0 4 8 12m  
 SCALE 1:400 (A3)  
 0 4 8 12m  
 ORIGINAL SHEET SIZE A1

CLIENT  
**WEDDIN SHIRE COUNCIL**  
 PROJECT  
**GRENFELL MAIN STREET RENEWAL**  
 LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**  
 SHEET TITLE  
**VEHICLE TURNING PATHS, SHEET 7 OF 10**

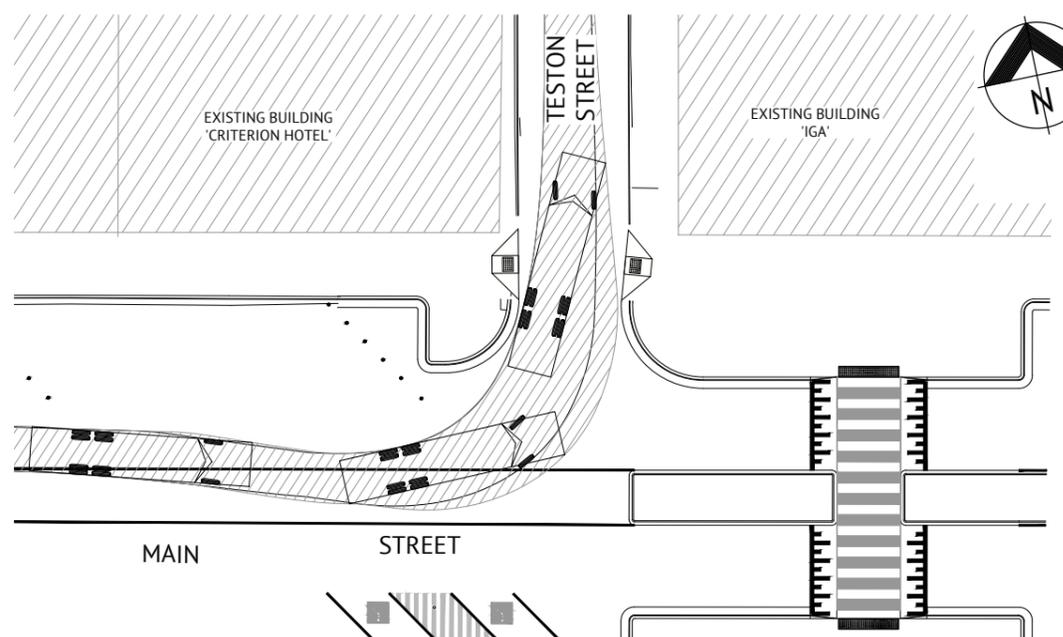
JOB CODE  
**220109\_02**  
 SHEET NUMBER  
**C042**  
 REV  
**L**



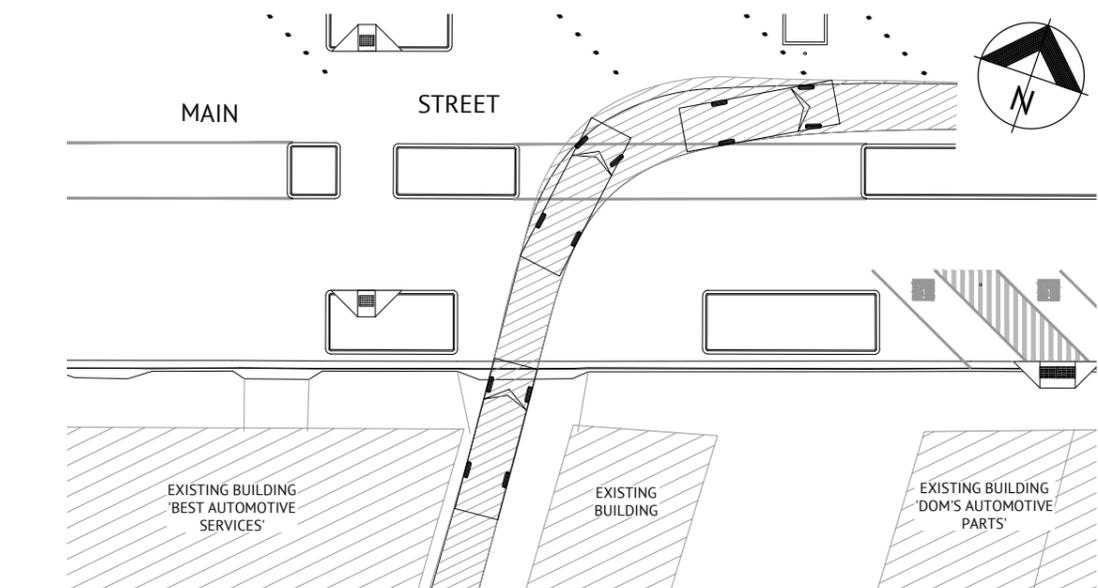
**NOTE**  
 IN ACCORDANCE WITH AUSTRROADS, MINIMUM 500mm CLEARANCE IS REQUIRED FROM THE OUTSIDE OF THE VEHICLE SWEEPED PATH TO THE LIP OF KERB AND ALL OTHER OBSTRUCTIONS OR HAZARDS.



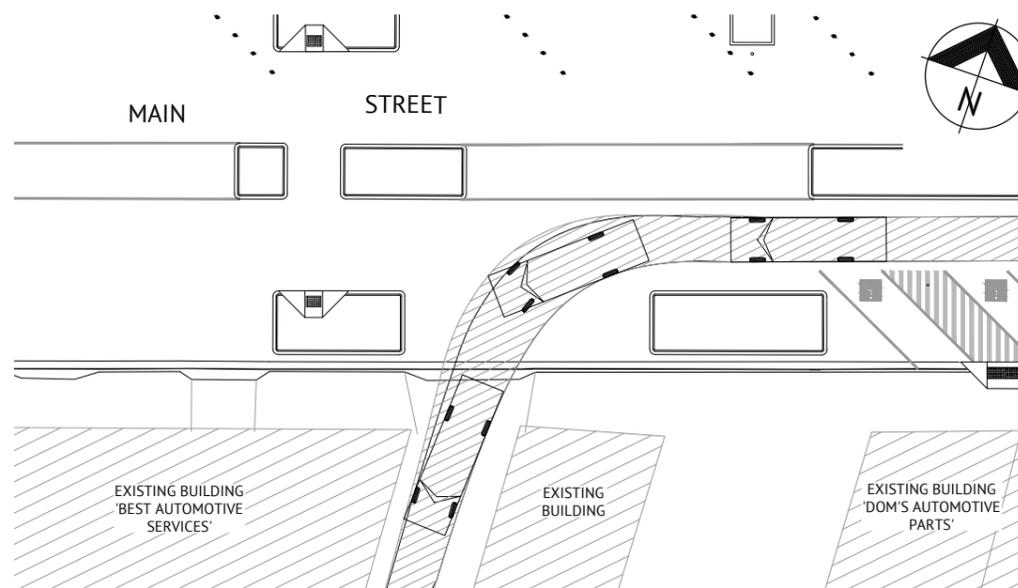
**12.5m LARGE RIGID BUS/TRUCK - SCHWEITZER LANE TURNING MOVEMENTS**  
 SCALE 1:200 (A1) 1:400 (A3)



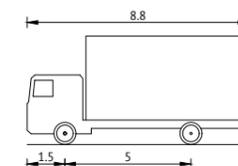
**12.5m LARGE RIGID BUS/TRUCK - TESTON STREET TURNING MOVEMENTS**  
 SCALE 1:200 (A1) 1:400 (A3)



**8.8m RIGID VEHICLE - LANEWAY TURNING MOVEMENTS #1**  
 SCALE 1:200 (A1) 1:400 (A3)

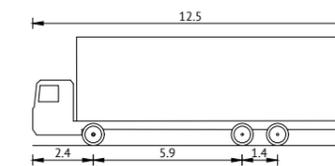


**8.8m RIGID VEHICLE - LANEWAY TURNING MOVEMENTS #2**  
 SCALE 1:200 (A1) 1:400 (A3)



OVERALL LENGTH 8.8m  
 OVERALL WIDTH 2.5m  
 OVERALL BODY HEIGHT 4.3m  
 MIN BODY GROUND CLEARANCE 0.427m  
 TRACK WIDTH 2.5m  
 LOCK TO LOCK TIME 4.0s  
 CURB TO CURB TURNING RADIUS 12.5m  
 TURNING SPEED 15km/h

**8.8m RIGID VEHICLE**  
 NOT TO SCALE



OVERALL LENGTH 12.5m  
 OVERALL WIDTH 2.5m  
 OVERALL BODY HEIGHT 4.3m  
 MIN BODY GROUND CLEARANCE 0.4m  
 TRACK WIDTH 2.5m  
 LOCK TO LOCK TIME 6.0s  
 CURB TO CURB TURNING RADIUS 12.5m  
 TURNING SPEED 15km/h

**12.5m LARGE RIGID BUS/TRUCK VEHICLE**  
 NOT TO SCALE

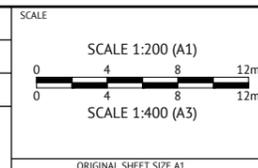
**ISSUED FOR CONSTRUCTION**

DATE	REV	DESCRIPTION	REC	APP
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG
23/07/2021	K	CLIENT AMENDMENTS (BURRANGONG STREET STORMWATER AMENDED) & ISSUED FOR APPROVAL	BW	SIH
04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH



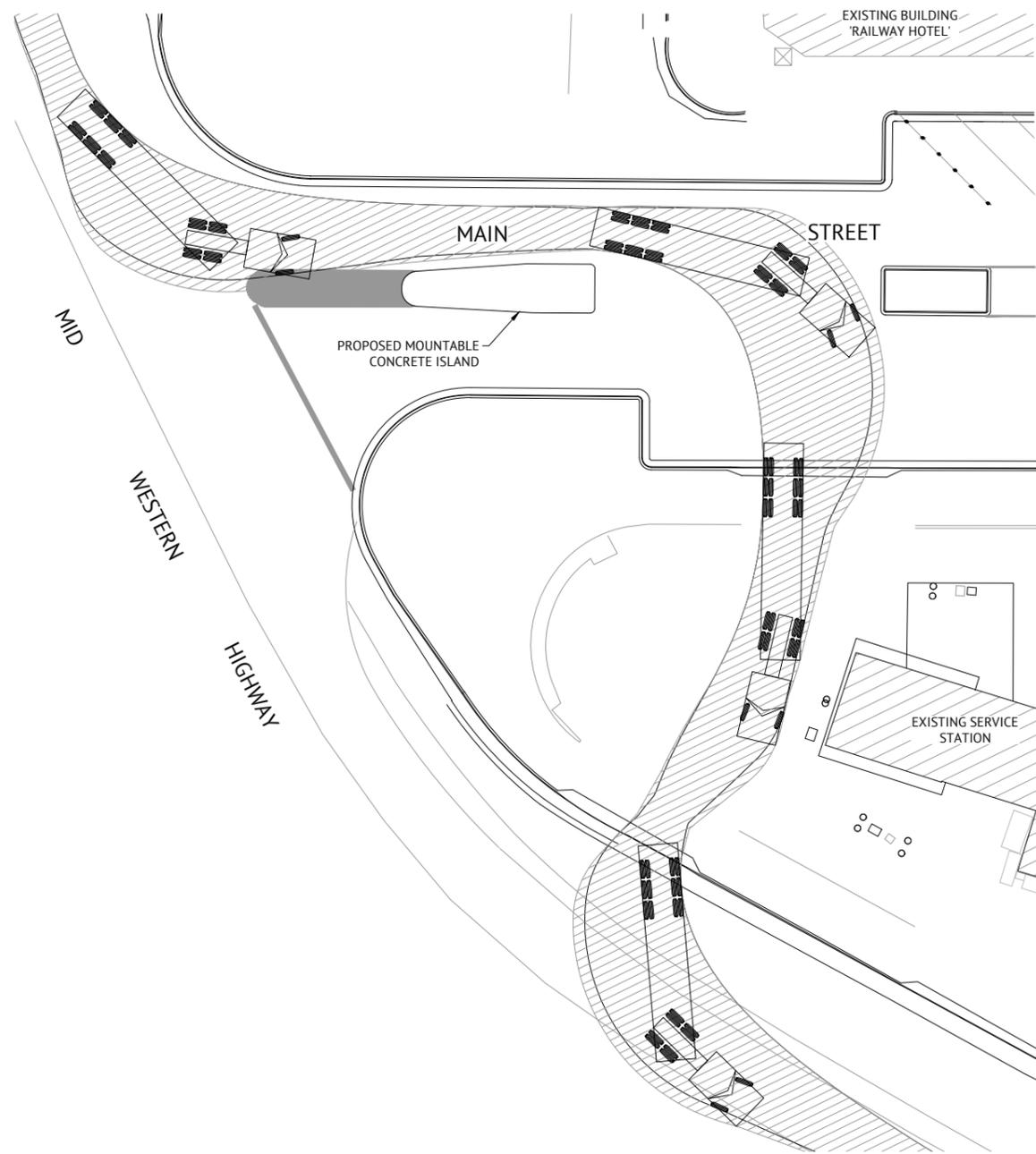
**DUBBO OFFICE**  
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DESIGNED  
**NICHOLLE STEVENSON**  
 CHECKED  
**EDDIE GOULD**  
 PROJECT MANAGER  
**EDDIE GOULD**  
 ENGINEERING CERTIFICATION

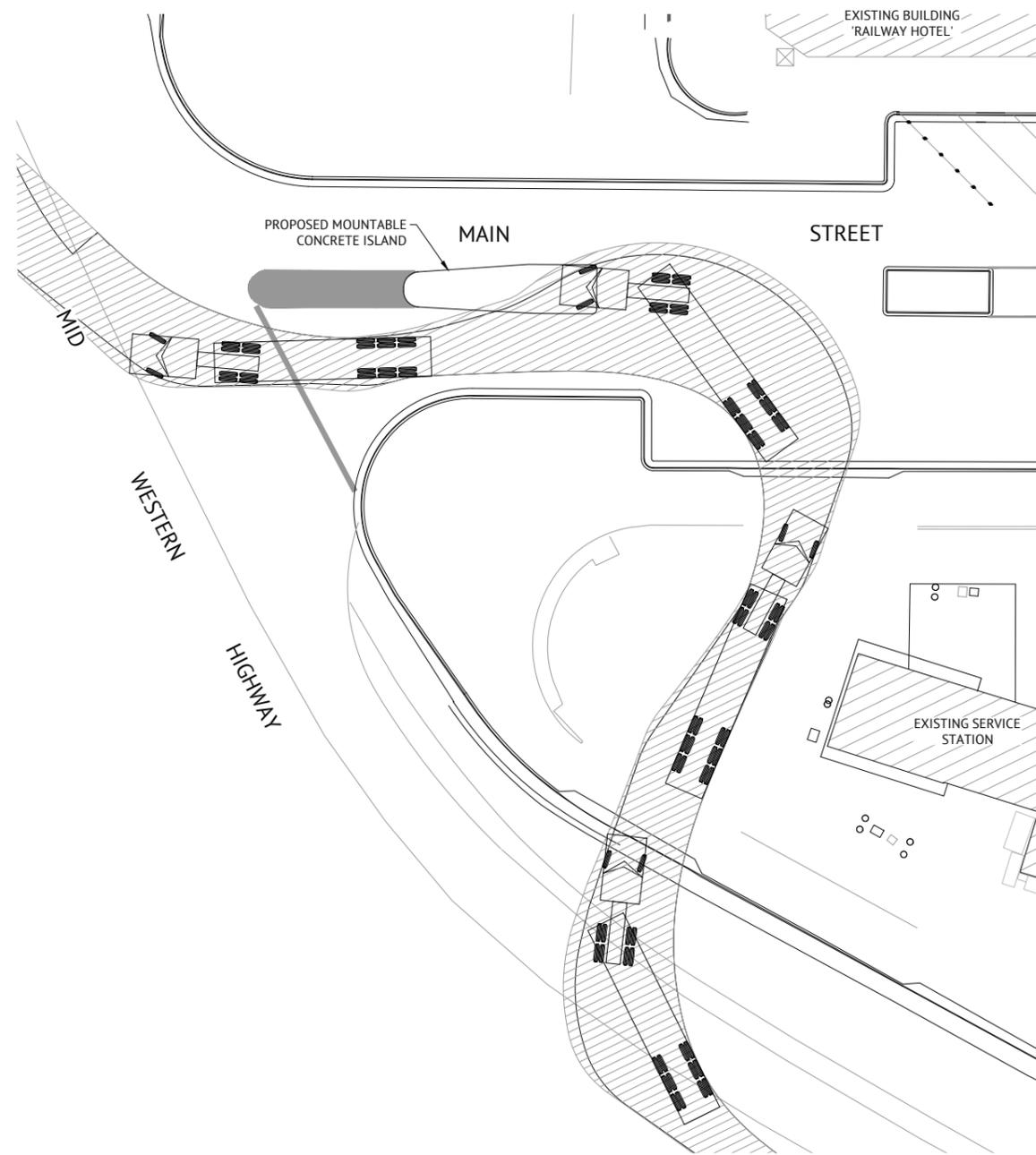


CLIENT  
**WEDDIN SHIRE COUNCIL**  
 PROJECT  
**GRENFELL MAIN STREET RENEWAL**  
 LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**  
 SHEET TITLE  
**VEHICLE TURNING PATHS, SHEET 8 OF 10**

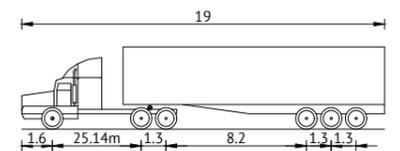
JOB CODE  
**220109\_02**  
 SHEET NUMBER  
**C043**  
 REV  
**L**



**19m SEMI-TRAILER/FUEL TANKER  
SERVICE STATION TURNING MOVEMENTS #1**  
SCALE 1:200 (A1) 1:400 (A3)



**19m SEMI-TRAILER/FUEL TANKER  
SERVICE STATION TURNING MOVEMENTS #2**  
SCALE 1:200 (A1) 1:400 (A3)



OVERALL LENGTH	19m
OVERALL WIDTH	2.5m
OVERALL BODY HEIGHT	4.3m
MIN BODY GROUND CLEARANCE	0.54m
TRACK WIDTH	2.5m
LOCK TO LOCK TIME	6.0s
CURB TO CURB TURNING RADIUS	12.5m
TURNING SPEED	5km/h

**19m SEMI-TRAILER/FUEL TANKER VEHICLE**  
NOT TO SCALE

**NOTE**  
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19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH	
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH	
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH	

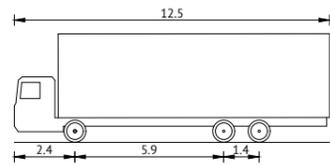
**Premise**  
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CHECKED  
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PROJECT MANAGER  
**EDDIE GOULD**  
ENGINEERING CERTIFICATION

SCALE  
SCALE 1:200 (A1)  
0 4 8 12m  
SCALE 1:400 (A3)  
0 4 8 12m  
ORIGINAL SHEET SIZE A1

CLIENT  
**WEDDIN SHIRE COUNCIL**  
PROJECT  
**GRENFELL MAIN STREET RENEWAL**  
LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**  
SHEET TITLE  
**VEHICLE TURNING PATHS, SHEET 9 OF 10**

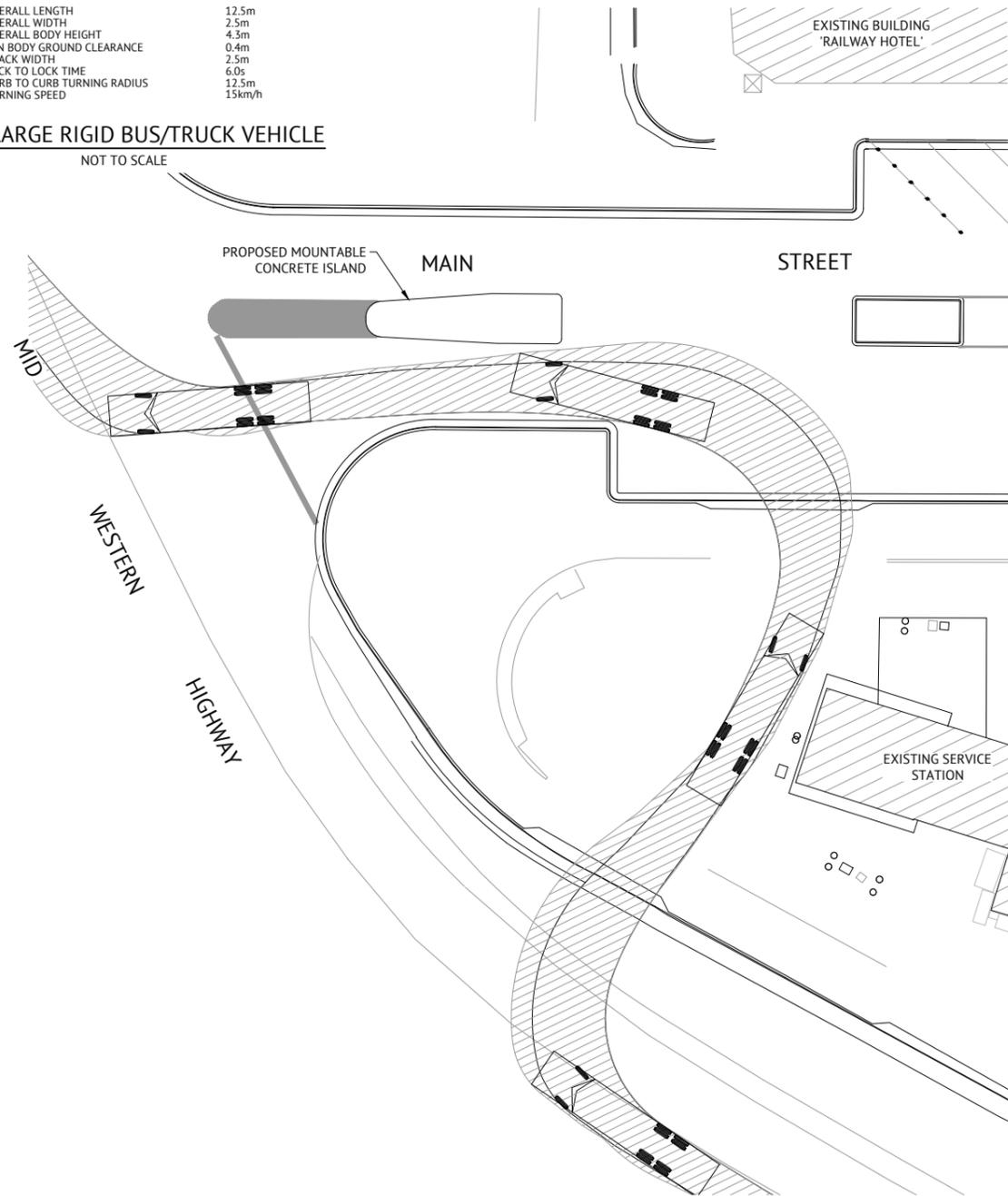
JOB CODE	<b>220109_02</b>	
SHEET NUMBER	<b>C044</b>	REV
		<b>L</b>



OVERALL LENGTH 12.5m  
 OVERALL WIDTH 2.5m  
 OVERALL BODY HEIGHT 4.5m  
 MIN BODY GROUND CLEARANCE 0.4m  
 TRACK WIDTH 2.5m  
 LOCK TO LOCK TIME 6.0s  
 CURB TO CURB TURNING RADIUS 12.5m  
 TURNING SPEED 15km/h

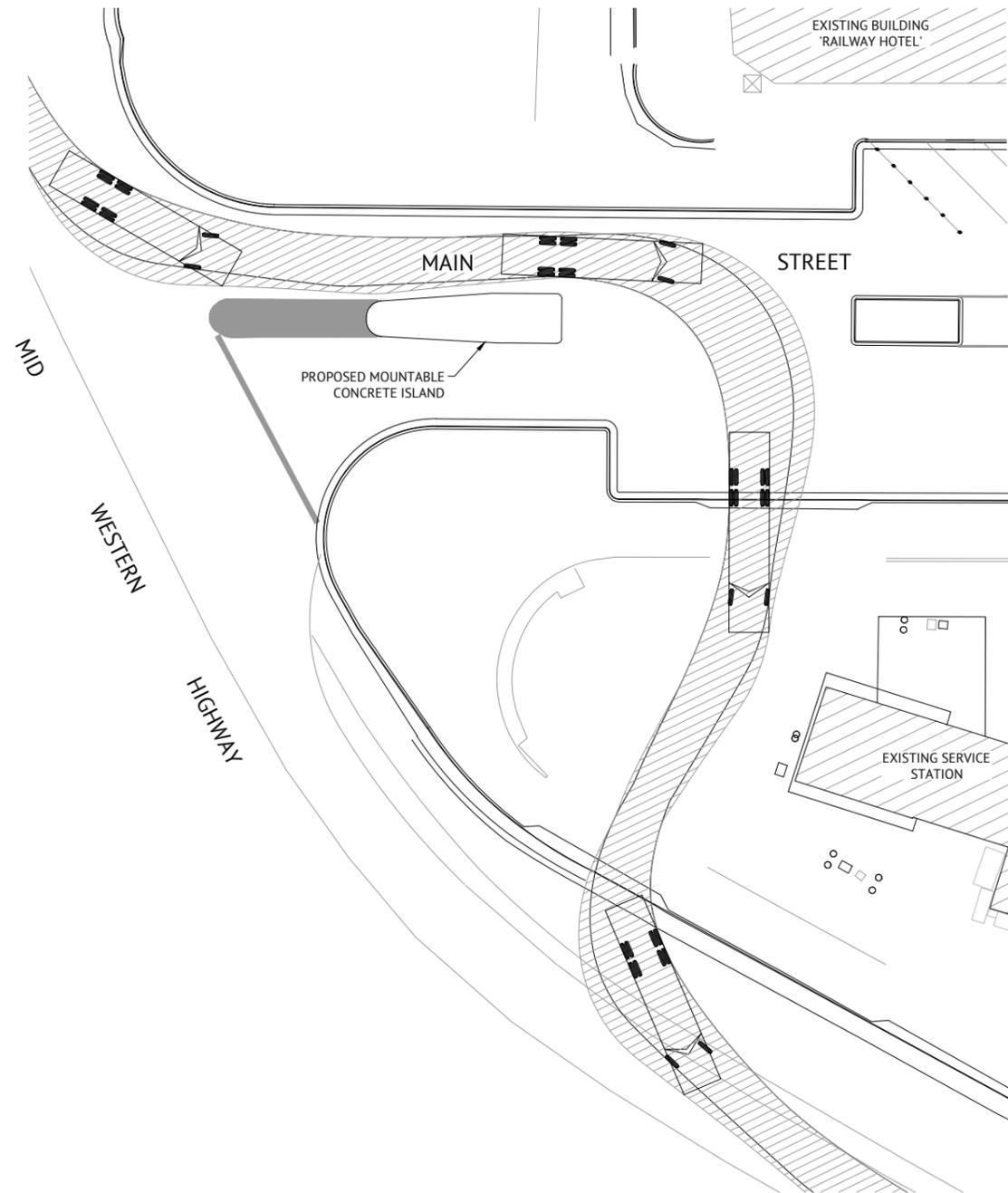
**12.5m LARGE RIGID BUS/TRUCK VEHICLE**

NOT TO SCALE



**12.5m LARGE RIGID BUS/TRUCK  
 SERVICE STATION TURNING MOVEMENTS # 1**

SCALE 1:200 (A1) 1:400 (A3)



**12.5m LARGE RIGID BUS/TRUCK  
 SERVICE STATION TURNING MOVEMENTS # 2**

SCALE 1:200 (A1) 1:400 (A3)

**NOTE**  
 IN ACCORDANCE WITH AUSTRROADS,  
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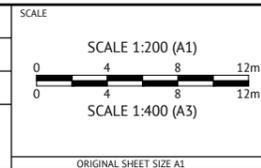
**ISSUED FOR CONSTRUCTION**

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19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH



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 ENGINEERING CERTIFICATION



CLIENT **WEDDIN SHIRE COUNCIL**  
 PROJECT **GRENFELL MAIN STREET RENEWAL**  
 LOCATION **MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**  
 SHEET TITLE **VEHICLE TURNING PATHS, SHEET 10 OF 10**

JOB CODE  
**220109\_02**  
 SHEET NUMBER  
**C045**  
 REV  
**L**

**LANDSCAPING LEGEND**

-  PROPOSED LANDSCAPING PAVING AREAS (REFER TO CLOUSTON ASSOCIATES FOR DETAILS)
-  PROPOSED LANDSCAPED AREAS (REFER TO CLOUSTON ASSOCIATES FOR DETAILS)
-  PROPOSED MOUNTABLE CONCRETE ISLAND



**NOTES**

1. CONTOURS SHOWN ARE DESIGN SURFACE CONTOURS.
2. CONTOUR INTERVAL 0.2m.

**NOTE**

THIS PLAN IS TO BE PRINTED AND READ IN COLOUR.

**NOTE**

ALL JUNCTION PITS WITHIN THE ROADWAY ARE TO HAVE PRECAST HTR TRAFFICABLE CONCRETE SURROUNDS AND LIDS - THE CONCRETE SURROUNDS AND LIDS ARE TO BE CAST WITH A CHARCOAL PIGMENT COLOUR. THE COLOUR OF THE CONCRETE IS TO MATCH THAT OF THE ROADWAY ASPHALT.

**NOTE**

WHERE REQUIRED, THE STORMWATER PIT CHAMBERS FOR KERB INLET PITS ARE TO BE LOCATED PARTIALLY BEHIND THE KERB LINE RATHER THAN DIRECTLY BENEATH THE KERB LINE TO ENSURE HORIZONTAL CLEARANCE TO THE EXISTING WATER MAIN RUNNING PARALLEL TO THE KERB LINE. IF CLEARANCE IS STILL NOT SUFFICIENT TO THE EXISTING WATER MAIN, CONSTRUCT A CAST-IN-SITU STORMWATER CHUTE FROM THE LINTEL GRATE OPENING TO THE STORMWATER CHAMBER LOCATED BEHIND THE KERB LINE AND UNDER THE DIRECTION OF THE WEDDIN SHIRE COUNCIL SUPERINTENDENT.

**LEGEND**

-  PROPOSED STORMWATER MAIN
-  PROPOSED KERB INLET PIT
-  PROPOSED JUNCTION PIT
-  PROPOSED PEDESTRIAN ACCESS GRATE
-  EXISTING STORMWATER MAIN
-  EXISTING KERB INLET PIT
-  EXISTING GRATED INLET PIT



**SITE LOCALITY KEY**  
NOT TO SCALE

**NOTE**

SEE STORMWATER PIT SETOUT DETAIL ON SHEET C003.

**NOTE**

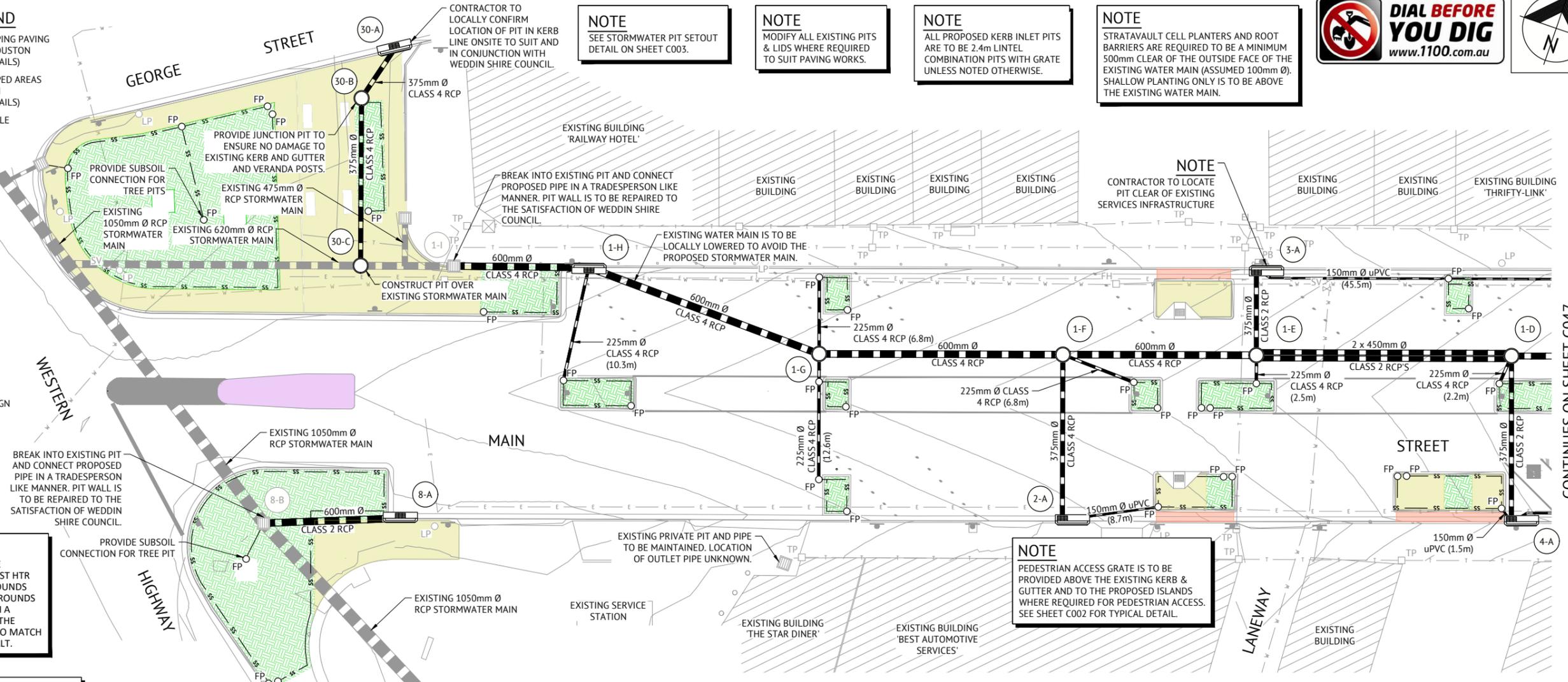
MODIFY ALL EXISTING PITS & LIDS WHERE REQUIRED TO SUIT PAVING WORKS.

**NOTE**

ALL PROPOSED KERB INLET PITS ARE TO BE 2.4m LINTEL COMBINATION PITS WITH GRATE UNLESS NOTED OTHERWISE.

**NOTE**

STRATAVAULT CELL PLANTERS AND ROOT BARRIERS ARE REQUIRED TO BE A MINIMUM 500mm CLEAR OF THE OUTSIDE FACE OF THE EXISTING WATER MAIN (ASSUMED 100mm Ø). SHALLOW PLANTING ONLY IS TO BE ABOVE THE EXISTING WATER MAIN.



**NOTE**

SEE SHEET C060 FOR STORMWATER SETOUT COORDINATES.

**NOTE**

THE CONTRACTOR SHALL ENSURE PIPES ARE PROTECTED AGAINST DAMAGE FROM CONSTRUCTION WHEEL AND OTHER LOADS, TOGETHER WITH COMPACTIVE IMPACT EFFECTS DUE TO THE CONSTRUCTION EQUIPMENT AND SURFACE CONDITIONS IN ACCORDANCE WITH AS/NZS 3725.

**NOTE**

LOCATIONS FOR SUBSOIL DRAINAGE COLLECTION LINES TO BE INSTALLED WITHIN THE ROAD ARE INDICATIVE ONLY. FINAL LOCATION OF TRENCH IS TO BE CONFIRMED ONSITE. TRENCH IN ROAD IS TO BE BACKFILLED IN ACCORDANCE WITH THE TYPICAL DETAIL SHOWN ON SHEET C003.

**NOTE**

PLUMBER TO LOCATE ALL EXISTING ROOFWATER COLLECTION LINES DISCHARGING TO THE EXISTING KERB TO BE DEMOLISHED. EXISTING ROOFWATER COLLECTION LINES ARE TO BE EXTENDED TO NEW KERB ADAPTORS IN THE PROPOSED KERB IN ACCORDANCE WITH THE DETAIL ON SHEET C003. EXISTING ROOFWATER LINES ARE NOT TO BE CONNECTED TO THE PROPOSED SUBSOIL DRAINAGE COLLECTION LINES. LINES ARE TO BE CHARGED WHERE REQUIRED.

**NOTE**

CONTRACTOR TO ENSURE WATER DOES NOT POND ON FOOTPATH IN ANY AREAS OF NEW PAVING. REFER TO CLOUSTON ASSOCIATES FOR PAVING DETAILS AND LOCATIONS OF SMALL DRAINAGE PITS WITHIN PAVING AREAS IF REQUIRED.

**NOTE**

PROPOSED SUBSOIL DRAINAGE, SUBSOIL COLLECTION LINE AND FLUSHING POINT LOCATIONS MAY BE LOCALLY ADJUSTED ONSITE AS REQUIRED SUBJECT TO THE APPROVAL OF WEDDIN SHIRE COUNCIL.

**NOTE**

ALL SUBSOIL COLLECTION LINES ARE TO BE MIN. 150mm Ø SN8 uPVC UNSLOTTED PIPE UNLESS NOTED OTHERWISE. REFER TO SHEET C003 FOR DETAILS.

**STORMWATER GENERAL NOTES**

1. WEDDIN SHIRE COUNCIL ARE TO BE NOTIFIED 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY WORKS.
2. ALL STORMWATER PITS & PIPEWORK ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE CIVIL SPECIFICATION OR AS ADVISED BY WEDDIN SHIRE COUNCIL.
3. ALL SERVICES CROSSING PROPOSED STORMWATER MAINS MUST BE EXPOSED & LEVELLED AFTER PERMISSION FROM RELEVANT AUTHORITIES & LEVELS REPORTED TO WEDDIN SHIRE COUNCIL BEFORE WORK COMMENCES. EXISTING SERVICES TO BE ADJUSTED WHERE REQUIRED.
4. JUNCTION PIT LIDS TO BE SET AT ROADWAY LEVELS WITH NECESSARY CROSSFALL. GRATED PIT GRATES TO BE SET AT ROADWAY LEVELS AT LEVELS SHOWN ON DETAILED PLANS.
5. ALL SUBSOIL DRAINAGE IN GARDEN & LAWN AREAS IS TO BE 100mm Ø SUBSOIL PIPES & THE CONNECTIONS TO THE STORMWATER PITS UNDER ROADWAYS IS TO BE 150mm Ø SN8 uPVC PIPES UNLESS SHOWN OTHERWISE.
6. JUNCTION PITS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CIVIL SPECIFICATION OR AS ADVISED BY WEDDIN SHIRE COUNCIL.
7. KERB INLET PITS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CIVIL SPECIFICATION OR AS ADVISED BY WEDDIN SHIRE COUNCIL.
8. PITS WITH INTERNAL BRANCH POINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CIVIL SPECIFICATION OR AS ADVISED BY WEDDIN SHIRE COUNCIL.
9. SUBSOIL DRAINAGE FLUSHING POINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CIVIL SPECIFICATION OR AS ADVISED BY WEDDIN SHIRE COUNCIL. SEE SHEET C002 FOR SUBSOIL DRAINAGE NOTES.
10. STORMWATER OUTLETS TO KERBS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CIVIL SPECIFICATION OR AS ADVISED BY WEDDIN SHIRE COUNCIL.
11. THE CONTRACTOR IS TO ADEQUATELY INFORM THEMSELVES AS TO THE DEPTH AND LOCATION OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
12. PIPE IS TO BE LAID AT UNIFORM GRADE BETWEEN INVERT LEVELS SHOWN WITH MINIMUM COVER MAINTAINED UNLESS OTHERWISE APPROVED BY THE SUPERINTENDENT & WEDDIN SHIRE COUNCIL.
13. MINIMUM COVER OVER ALL PIPES SHALL BE 600mm UNLESS OTHERWISE SHOWN OR DIRECTED.
14. CONTRACTOR TO SUPPLY AND INSTALL ALL FITTINGS AND SPECIALS INCLUDING VARIOUS PIPE ADAPTORS TO ENSURE PROPER CONNECTION BETWEEN DISSIMILAR PIPEWORKS.
15. ALL CONNECTIONS TO EXISTING DRAINAGE PITS SHALL BE MADE IN A TRADESPERSON LIKE MANNER AND THE INTERNAL WALL OF THE PIT AT THE POINT OF ENTRY SHALL BE CEMENT RENDERED TO ENSURE A SMOOTH FINISH.
16. PRECAST PITS MAY BE USED AS APPROVED BY THE SUPERINTENDENT AND WEDDIN SHIRE COUNCIL.
17. BULKHEADS TO BE CONSTRUCTED ON ALL STORMWATER LINES WITH A GRADIENT EXCEEDING 5 PER CENT IN ACCORDANCE WITH THE CIVIL SPECIFICATION OR AS ADVISED BY WEDDIN SHIRE COUNCIL.
18. RUBBER RING JOINT REINFORCED CONCRETE PIPES TO BE USED UNDER ALL ROADS UNLESS NOTED OTHERWISE. ALL PIPES TO BE INSTALLED TO THE MANUFACTURERS SPECIFICATIONS & THE REQUIREMENTS OF WEDDIN SHIRE COUNCIL.

**ISSUED FOR CONSTRUCTION**

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04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH

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DESIGNED  
**NICHOLLE STEVENSON**  
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PROJECT MANAGER  
**EDDIE GOULD**  
ENGINEERING CERTIFICATION

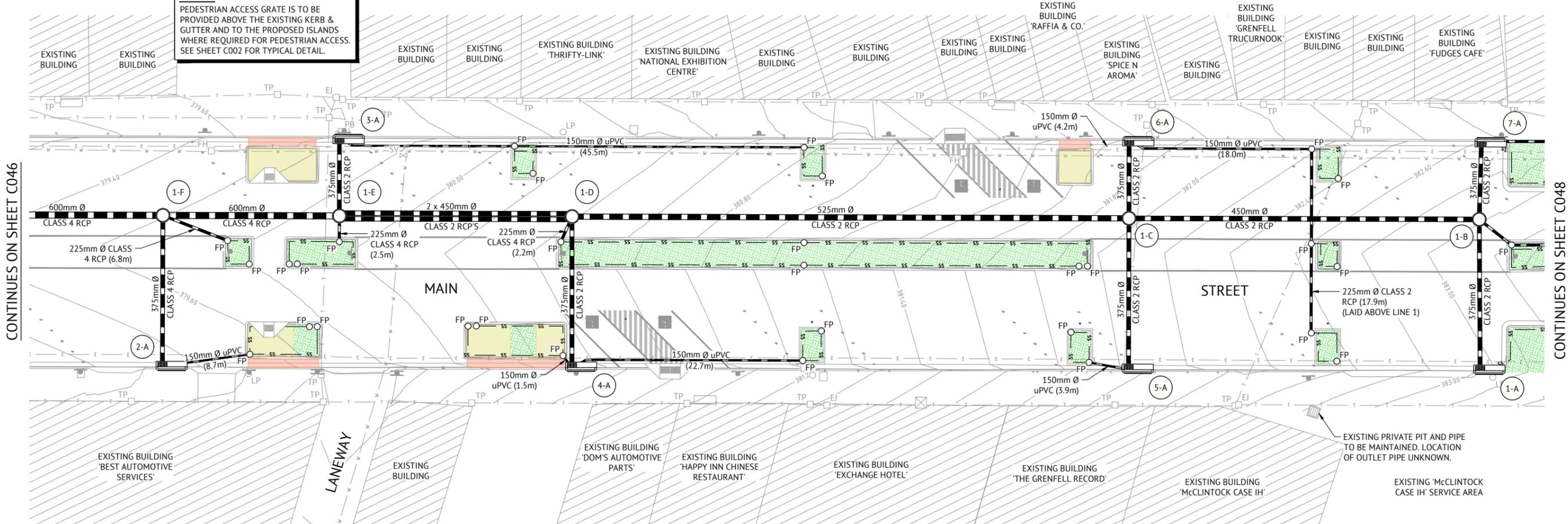
SCALE  
SCALE 1:200 (A1)  
0 4 8 12m  
SCALE 1:400 (A3)  
0 4 8 12m  
ORIGINAL SHEET SIZE A1

CLIENT  
**WEDDIN SHIRE COUNCIL**  
PROJECT  
**GRENFELL MAIN STREET RENEWAL**  
LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**  
SHEET TITLE  
**STORMWATER DRAINAGE LAYOUT PLAN, SHEET 1 OF 5**

JOB CODE  
**220109\_02**  
SHEET NUMBER  
**C046**  
REV  
**L**

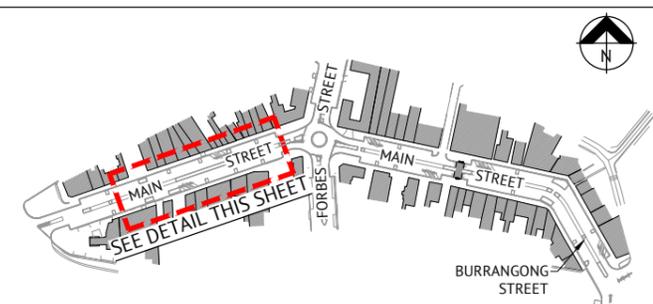


**NOTE**  
PEDESTRIAN ACCESS GRATE IS TO BE PROVIDED ABOVE THE EXISTING KERB & GUTTER AND TO THE PROPOSED ISLANDS WHERE REQUIRED FOR PEDESTRIAN ACCESS. SEE SHEET C002 FOR TYPICAL DETAIL.



CONTINUES ON SHEET C046

CONTINUES ON SHEET C048



**SITE LOCALITY KEY**  
NOT TO SCALE

**LANDSCAPING LEGEND**

- PROPOSED LANDSCAPING PAVING AREAS (REFER TO CLOUSTON ASSOCIATES FOR DETAILS)
- PROPOSED LANDSCAPED AREAS (REFER TO CLOUSTON ASSOCIATES FOR DETAILS)

**NOTES**

- CONTOURS SHOWN ARE DESIGN SURFACE CONTOURS.
- CONTOUR INTERVAL 0.2m.

**LEGEND**

- PROPOSED STORMWATER MAIN
- PROPOSED KERB INLET PIT
- PROPOSED JUNCTION PIT
- PROPOSED PEDESTRIAN ACCESS GRATE
- EXISTING STORMWATER MAIN
- EXISTING KERB INLET PIT
- EXISTING GRATED INLET PIT

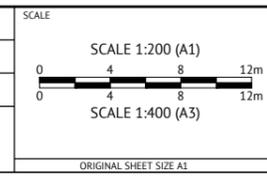
**NOTE**  
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**NOTE**  
REFER TO SHEET C046 FOR STORMWATER NOTES.

ISSUED FOR CONSTRUCTION					
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23/07/2021	K	CLIENT AMENDMENTS (BURRANGONG STREET STORMWATER AMENDED) & ISSUED FOR APPROVAL	BW	SIH	
04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH	
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH	
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH	
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH	

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DESIGNED  
**NICHOLLE STEVENSON**  
CHECKED  
**EDDIE GOULD**  
PROJECT MANAGER  
**EDDIE GOULD**  
ENGINEERING CERTIFICATION



CLIENT  
**WEDDIN SHIRE COUNCIL**

PROJECT  
**GRENFELL MAIN STREET RENEWAL**

LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE  
**STORMWATER DRAINAGE LAYOUT PLAN, SHEET 2 OF 5**

JOB CODE	<b>220109_02</b>	
SHEET NUMBER	<b>C047</b>	REV
		<b>L</b>

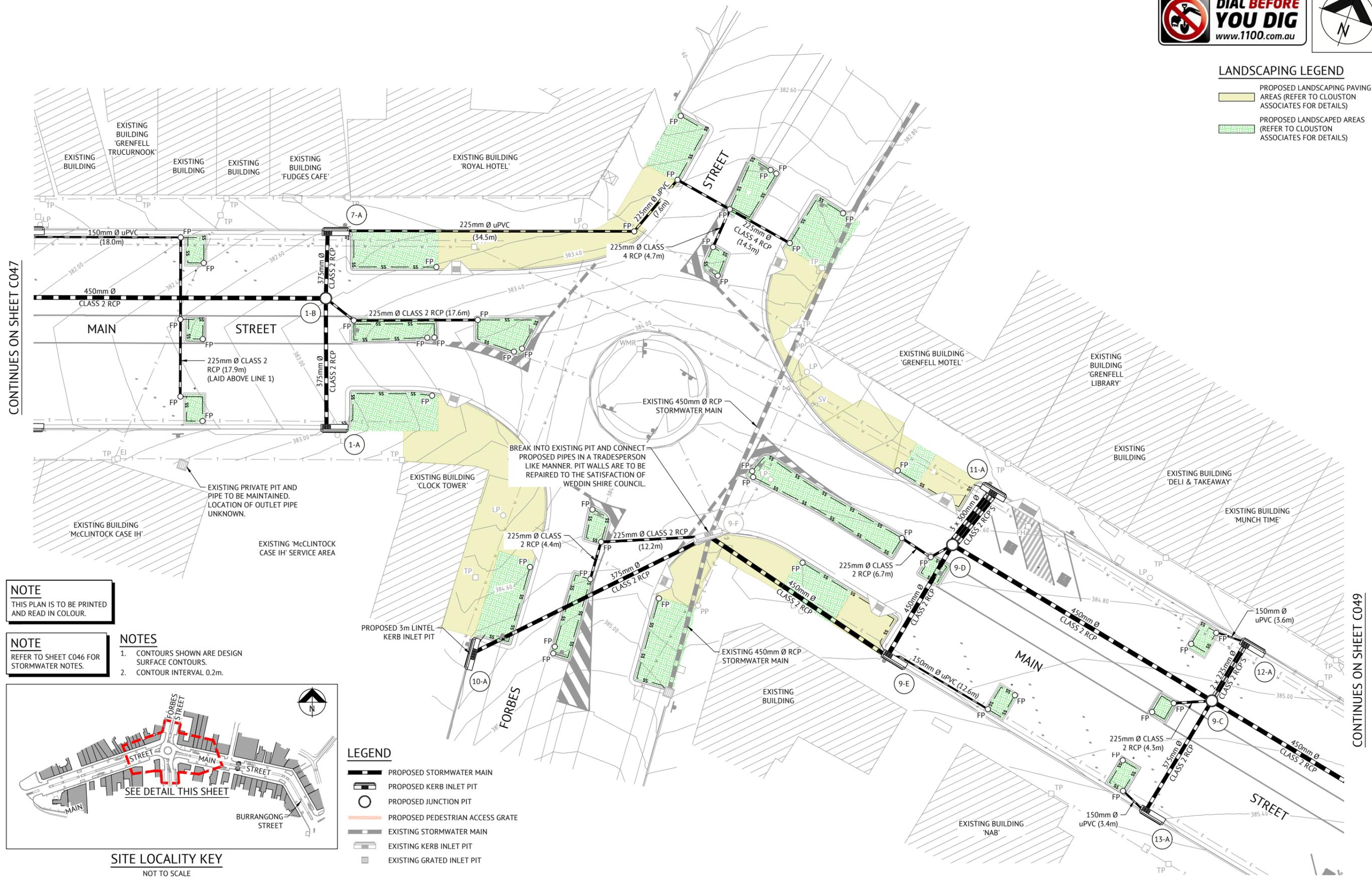


**LANDSCAPING LEGEND**

- PROPOSED LANDSCAPING PAVING AREAS (REFER TO CLOUSTON ASSOCIATES FOR DETAILS)
- PROPOSED LANDSCAPED AREAS (REFER TO CLOUSTON ASSOCIATES FOR DETAILS)

CONTINUES ON SHEET C047

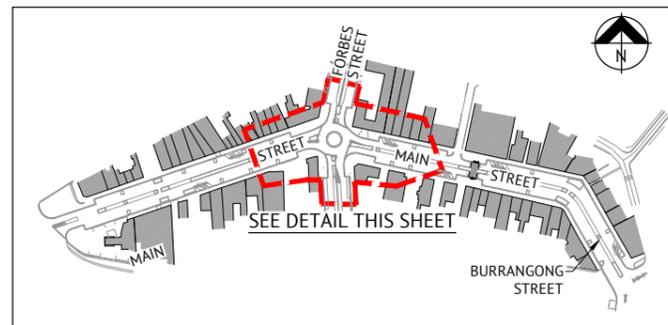
CONTINUES ON SHEET C049



**NOTE**  
THIS PLAN IS TO BE PRINTED AND READ IN COLOUR.

**NOTE**  
REFER TO SHEET C046 FOR STORMWATER NOTES.

- NOTES**
1. CONTOURS SHOWN ARE DESIGN SURFACE CONTOURS.
  2. CONTOUR INTERVAL 0.2m.



**SITE LOCALITY KEY**  
NOT TO SCALE

**LEGEND**

- PROPOSED STORMWATER MAIN
- PROPOSED KERB INLET PIT
- PROPOSED JUNCTION PIT
- PROPOSED PEDESTRIAN ACCESS GRATE
- EXISTING STORMWATER MAIN
- EXISTING KERB INLET PIT
- EXISTING GRATED INLET PIT

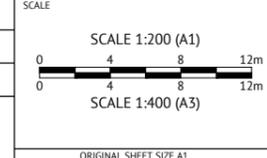
**ISSUED FOR CONSTRUCTION**

DATE	REV	DESCRIPTION	REC	APP
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG
23/07/2021	K	CLIENT AMENDMENTS (BURRANGONG STREET STORMWATER AMENDED) & ISSUED FOR APPROVAL	BW	SIH
04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH



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**EDDIE GOULD**  
ENGINEERING CERTIFICATION



CLIENT  
**WEDDIN SHIRE COUNCIL**

PROJECT  
**GRENFELL MAIN STREET RENEWAL**

LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE  
**STORMWATER DRAINAGE LAYOUT PLAN, SHEET 3 OF 5**

JOB CODE  
**220109\_02**

SHEET NUMBER  
**C048**

REV  
**L**



**NOTE**  
PEDESTRIAN ACCESS GRATE IS TO BE PROVIDED ABOVE THE EXISTING KERB & GUTTER AND TO THE PROPOSED ISLANDS WHERE REQUIRED FOR PEDESTRIAN ACCESS. SEE SHEET C002 FOR TYPICAL DETAIL.

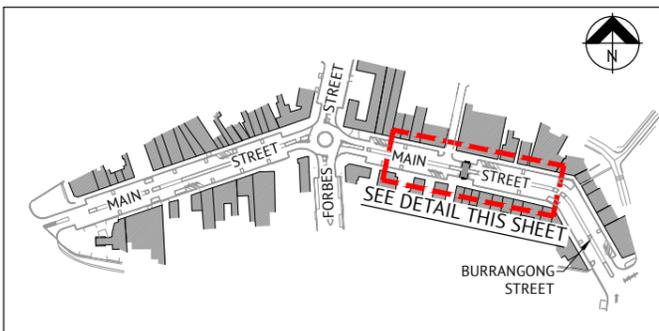
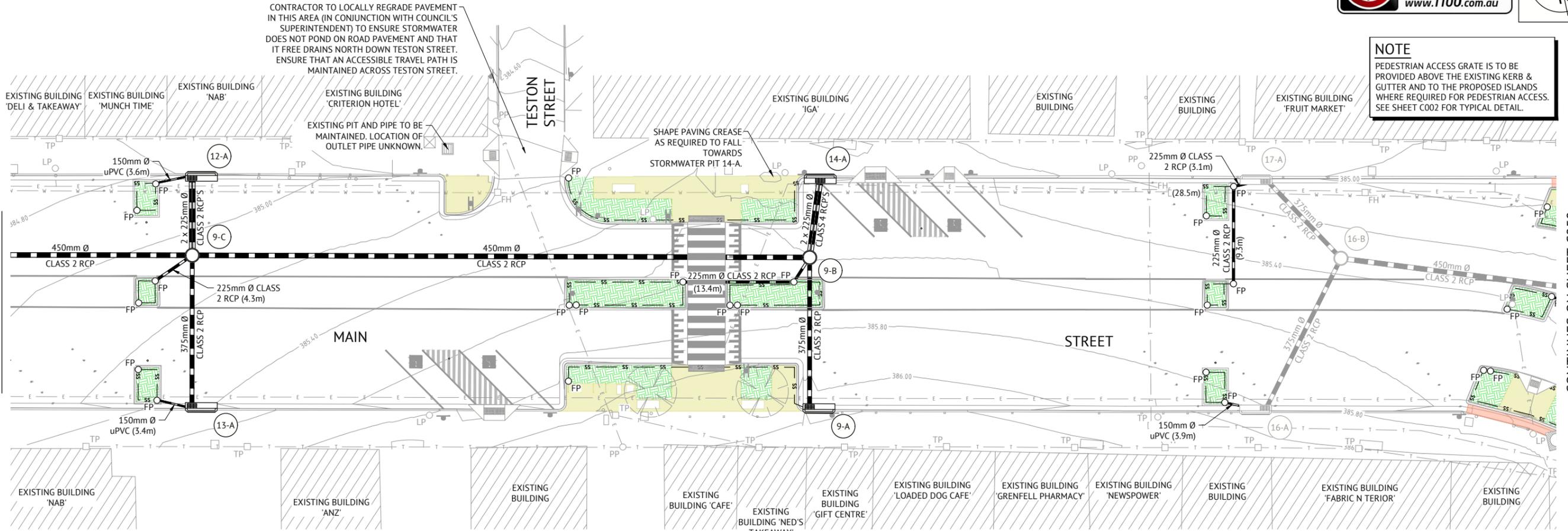
CONTRACTOR TO LOCALLY REGRADE PAVEMENT IN THIS AREA (IN CONJUNCTION WITH COUNCIL'S SUPERINTENDENT) TO ENSURE STORMWATER DOES NOT POND ON ROAD PAVEMENT AND THAT IT FREE DRAINS NORTH DOWN TESTON STREET. ENSURE THAT AN ACCESSIBLE TRAVEL PATH IS MAINTAINED ACROSS TESTON STREET.

EXISTING PIT AND PIPE TO BE MAINTAINED. LOCATION OF OUTLET PIPE UNKNOWN.

SHAPE PAVING CREASE AS REQUIRED TO FALL TOWARDS STORMWATER PIT 14-A.

CONTINUES ON SHEET C048

CONTINUES ON SHEET C050



**SITE LOCALITY KEY**  
NOT TO SCALE

**LANDSCAPING LEGEND**

- PROPOSED LANDSCAPING PAVING AREAS (REFER TO CLOUSTON ASSOCIATES FOR DETAILS)
- PROPOSED LANDSCAPED AREAS (REFER TO CLOUSTON ASSOCIATES FOR DETAILS)

**NOTES**

1. CONTOURS SHOWN ARE DESIGN SURFACE CONTOURS.
2. CONTOUR INTERVAL 0.2m.

**LEGEND**

- PROPOSED STORMWATER MAIN
- PROPOSED KERB INLET PIT
- PROPOSED JUNCTION PIT
- PROPOSED PEDESTRIAN ACCESS GRATE
- EXISTING STORMWATER MAIN
- EXISTING KERB INLET PIT
- EXISTING JUNCTION PIT
- EXISTING GRATED INLET PIT

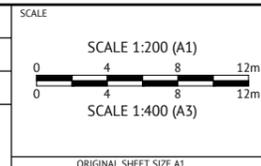
**NOTE**  
THIS PLAN IS TO BE PRINTED AND READ IN COLOUR.

**NOTE**  
REFER TO SHEET C046 FOR STORMWATER NOTES.

ISSUED FOR CONSTRUCTION					
DATE	REV	DESCRIPTION	REC	APP	REVISIONS
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG	
23/07/2021	K	CLIENT AMENDMENTS (BURRANGONG STREET STORMWATER AMENDED) & ISSUED FOR APPROVAL	BW	SIH	
04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH	
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH	
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH	
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH	

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**EDDIE GOULD**  
ENGINEERING CERTIFICATION



CLIENT  
**WEDDIN SHIRE COUNCIL**

PROJECT  
**GRENFELL MAIN STREET RENEWAL**

LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE  
**STORMWATER DRAINAGE LAYOUT PLAN, SHEET 4 OF 5**

JOB CODE		<b>220109_02</b>
SHEET NUMBER	REV	
<b>C049</b>	<b>L</b>	

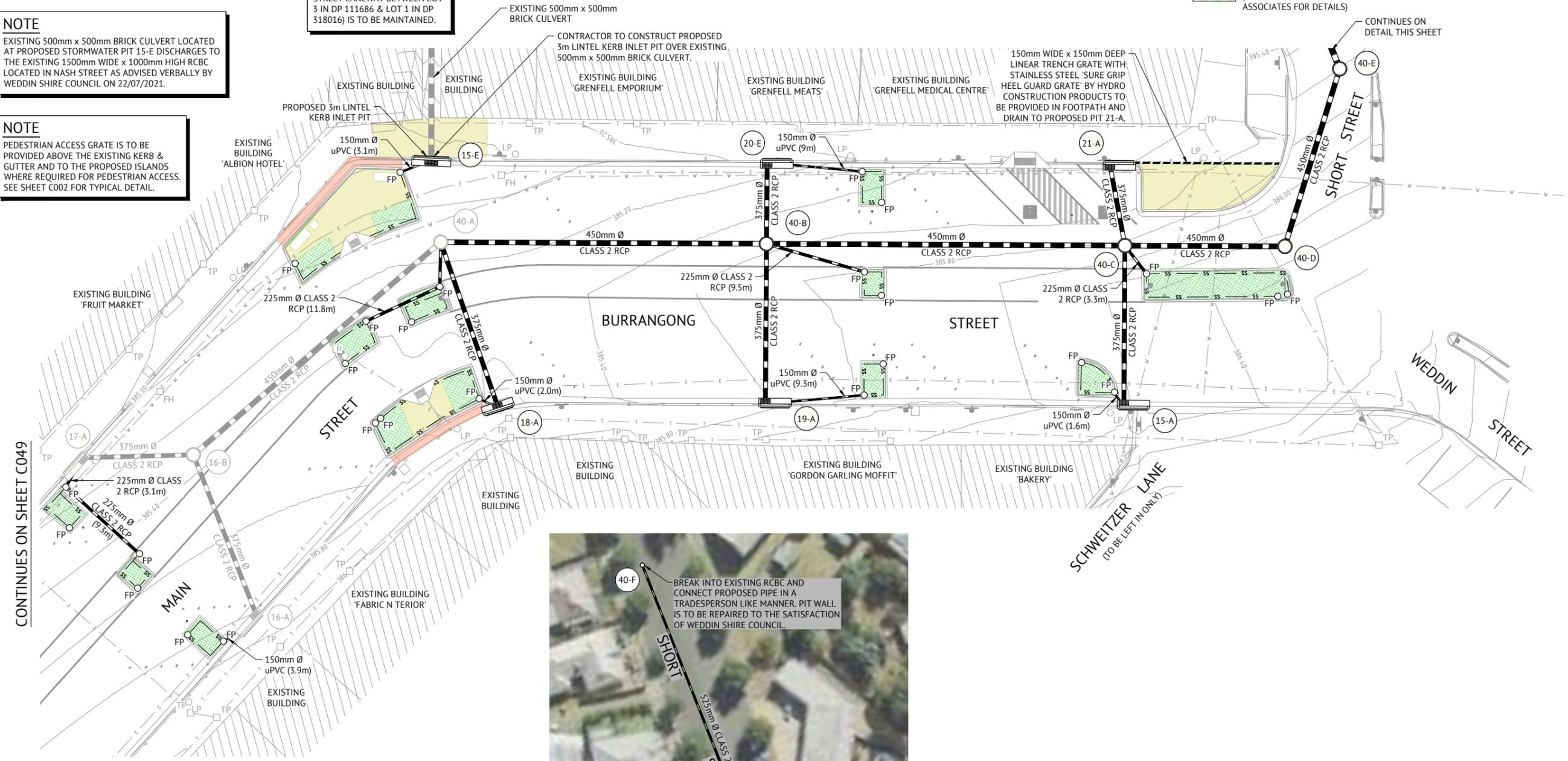
**NOTE**  
EXISTING PIT 40-A CORRESPONDS WITH PROPOSED PIT 15-D ON REVISION J OF THE PREMISE ENGINEERING PLANS (REF: 220109\_02\_C001-C066 DATED 04/05/2021).

**NOTE**  
EXISTING 500mm x 500mm BRICK CULVERT LOCATED AT PROPOSED STORMWATER PIT 15-E DISCHARGES TO THE EXISTING 1500mm WIDE x 1000mm HIGH RCBC LOCATED IN NASH STREET AS ADVISED VERBALLY BY WEDDIN SHIRE COUNCIL ON 22/07/2021.

**NOTE**  
PEDESTRIAN ACCESS GRATE IS TO BE PROVIDED ABOVE THE EXISTING KERB & GUTTER AND TO THE PROPOSED ISLANDS WHERE REQUIRED FOR PEDESTRIAN ACCESS. SEE SHEET C002 FOR TYPICAL DETAIL.

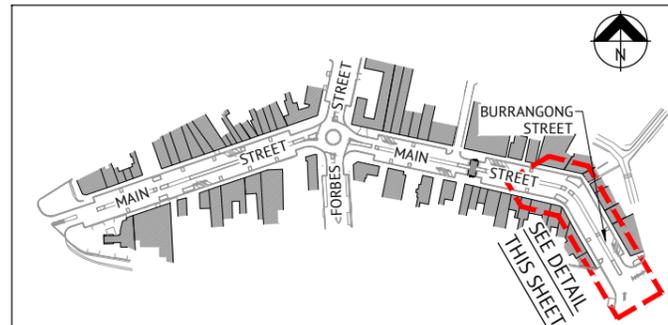
**NOTE**  
EXISTING MAJOR OVERLAND STORMWATER FLOW PATH (NASH STREET LANEWAY BETWEEN LOT 3 IN DP 111686 & LOT 1 IN DP 318016) IS TO BE MAINTAINED.

**LANDSCAPING LEGEND**  
 PROPOSED LANDSCAPING PAVING AREAS (REFER TO CLOUSTON ASSOCIATES FOR DETAILS)  
 PROPOSED LANDSCAPED AREAS (REFER TO CLOUSTON ASSOCIATES FOR DETAILS)



CONTINUES ON SHEET C049

CONTINUES ON  
DETAIL THIS SHEET



**SITE LOCALITY KEY**  
NOT TO SCALE



**SHORT STREET STORMWATER DETAIL**  
NOT TO SCALE

- NOTES**
- CONTOURS SHOWN ARE DESIGN SURFACE CONTOURS.
  - CONTOUR INTERVAL 0.2m.

- LEGEND**
-  PROPOSED STORMWATER MAIN
  -  PROPOSED KERB INLET PIT
  -  PROPOSED JUNCTION PIT
  -  PROPOSED PEDESTRIAN ACCESS GRATE
  -  EXISTING STORMWATER MAIN
  -  EXISTING KERB INLET PIT
  -  EXISTING JUNCTION PIT
  -  EXISTING GRATED INLET PIT

**NOTE**  
THIS PLAN IS TO BE PRINTED AND READ IN COLOUR.

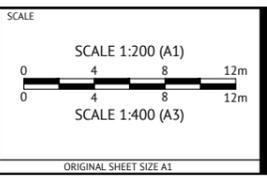
**NOTE**  
REFER TO SHEET C046 FOR STORMWATER NOTES.

ISSUED FOR CONSTRUCTION					
DATE	REV	DESCRIPTION	REC	APP	REVISIONS
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG	
23/07/2021	K	CLIENT AMENDMENTS (BURRANGONG STREET STORMWATER AMENDED) & ISSUED FOR APPROVAL	BW	SIH	
04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH	
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH	
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH	
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH	

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DESIGNED  
**NICHOLLE STEVENSON**  
CHECKED  
**EDDIE GOULD**  
PROJECT MANAGER  
**EDDIE GOULD**  
ENGINEERING CERTIFICATION



CLIENT **WEDDIN SHIRE COUNCIL**

PROJECT **GRENFELL MAIN STREET RENEWAL**

LOCATION **MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE **STORMWATER DRAINAGE LAYOUT PLAN, SHEET 5 OF 5**

JOB CODE	
<b>220109_02</b>	
SHEET NUMBER	REV
<b>C050</b>	<b>L</b>

**NOTE**  
THE CONTRACTOR SHALL ENSURE PIPES ARE PROTECTED AGAINST DAMAGE FROM CONSTRUCTION WHEEL AND OTHER LOADS, TOGETHER WITH COMPACTIVE IMPACT EFFECTS DUE TO THE CONSTRUCTION EQUIPMENT AND SURFACE CONDITIONS IN ACCORDANCE WITH AS/NZS 3725.

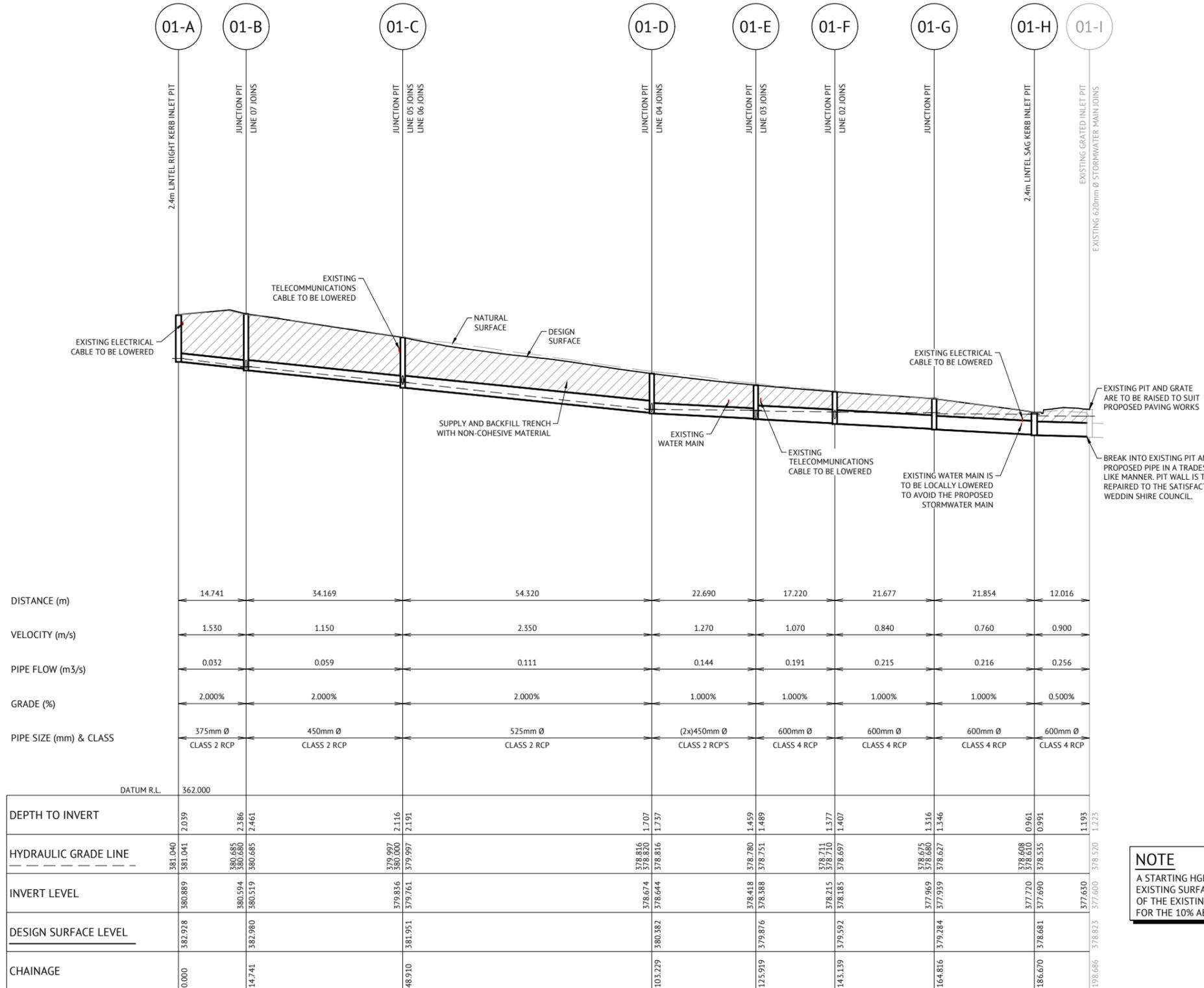
**NOTE**  
ALL JUNCTION PITS WITHIN THE ROADWAY ARE TO HAVE PRECAST HTR TRAFFICABLE CONCRETE SURROUNDS AND LIDS - THE CONCRETE SURROUNDS AND LIDS ARE TO BE CAST WITH A CHARCOAL PIGMENT COLOUR. THE COLOUR OF THE CONCRETE IS TO MATCH THAT OF THE ROADWAY ASPHALT.

**NOTE**  
FOR GRATED INLET PITS AND JUNCTION PITS THE DESIGN SURFACE LEVEL SHOWN IS TO THE TOP OF THE GRATE AND THE LID. FOR KERB INLET PITS THE DESIGN SURFACE SHOWN IS TO THE INVERT OF THE KERB AND GUTTER.

**NOTE**  
EXISTING SERVICES ARE REQUIRED TO BE LOWERED TO FACILITATE THE ROAD PAVEMENT RECONSTRUCTION.

**NOTE**  
STORMWATER MAIN DEPTHS ARE TO ENABLE SUBSOIL DRAINAGE TO BE PROVIDED TO LANDSCAPING STRATAVAULT SYSTEMS WHERE POSSIBLE.

**NOTE**  
WHERE REQUIRED, THE STORMWATER PIT CHAMBERS FOR KERB INLET PITS ARE TO BE LOCATED PARTIALLY BEHIND THE KERB LINE RATHER THAN DIRECTLY BENEATH THE KERB LINE TO ENSURE HORIZONTAL CLEARANCE TO THE EXISTING WATER MAIN RUNNING PARALLEL TO THE KERB LINE. IF CLEARANCE IS STILL NOT SUFFICIENT TO THE EXISTING WATER MAIN, CONSTRUCT A CAST-IN-SITU STORMWATER CHUTE FROM THE LINTEL GRATE OPENING TO THE STORMWATER CHAMBER LOCATED BEHIND THE KERB LINE AND UNDER THE DIRECTION OF THE WEDDIN SHIRE COUNCIL SUPERINTENDENT.



DISTANCE (m)	14.741	34.169	54.320	22.690	17.220	21.677	21.854	12.016	
VELOCITY (m/s)	1.530	1.150	2.350	1.270	1.070	0.840	0.760	0.900	
PIPE FLOW (m3/s)	0.032	0.059	0.111	0.144	0.191	0.215	0.216	0.256	
GRADE (%)	2.000%	2.000%	2.000%	1.000%	1.000%	1.000%	1.000%	0.500%	
PIPE SIZE (mm) & CLASS	375mm Ø CLASS 2 RCP	450mm Ø CLASS 2 RCP	525mm Ø CLASS 2 RCP	(2x)450mm Ø CLASS 2 RCP'S	600mm Ø CLASS 4 RCP				
DATUM R.L.	362.000								
DEPTH TO INVERT	2.039	2.386 2.461	2.116 2.191	1.707 1.737	1.459 1.489	1.377 1.407	1.316 1.346	0.961 0.991	1.193 1.223
HYDRAULIC GRADE LINE	381.040 381.041	380.685 380.680 380.685	379.997 380.000 379.997	378.816 378.820 378.816	378.418 378.780 378.751	378.711 378.710 378.697	378.675 378.660 378.627	378.608 378.610 378.535	377.630 377.600 378.570
INVERT LEVEL	380.889	380.594 380.519	379.836 379.761	378.674 378.644	378.418 378.388	378.215 378.185	377.969 377.939	377.720 377.690	377.630
DESIGN SURFACE LEVEL	382.928	382.980	381.951	380.382	379.876	379.592	379.284	378.681	378.630
CHAINAGE	0.000	14.741	48.910	103.229	125.919	143.139	164.816	186.670	198.686

**NOTE**  
A STARTING HGL 150mm BELOW THE EXISTING SURFACE LEVEL (R.L. 378.67) OF THE EXISTING PIT 1-1 WAS ASSUMED FOR THE 10% AEP HYDRAULIC ANALYSIS.

**LINE 1**  
HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
VERTICAL SCALE 1:100 (A1) 1:200 (A3)

**NOTE**  
THIS PLAN IS TO BE PRINTED AND READ IN COLOUR.

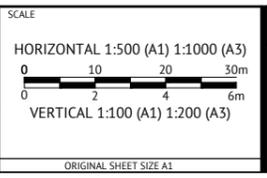
**NOTE**  
ALL DESIGN LEVELS SHOWN ARE FINISHED SURFACE LEVELS.

**LEGEND**  
DESIGN SURFACE  
NATURAL SURFACE  
HGL

ISSUED FOR CONSTRUCTION					
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG	
23/07/2021	K	CLIENT AMENDMENTS (BURRANGONG STREET STORMWATER AMENDED) & ISSUED FOR APPROVAL	BW	SIH	
04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH	
19/02/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH	
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH	
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH	
DATE	REV	DESCRIPTION	REC	APP	

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ENGINEERING CERTIFICATION



CLIENT  
**WEDDIN SHIRE COUNCIL**

PROJECT  
**GRENFELL MAIN STREET RENEWAL**

LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE  
**STORMWATER LINE 1 LONGITUDINAL SECTION**

JOB CODE	<b>220109_02</b>	
SHEET NUMBER	<b>C051</b>	REV <b>L</b>

**NOTE**  
THE CONTRACTOR SHALL ENSURE PIPES ARE PROTECTED AGAINST DAMAGE FROM CONSTRUCTION WHEEL AND OTHER LOADS, TOGETHER WITH COMPACTIVE IMPACT EFFECTS DUE TO THE CONSTRUCTION EQUIPMENT AND SURFACE CONDITIONS IN ACCORDANCE WITH AS/NZS 3725.

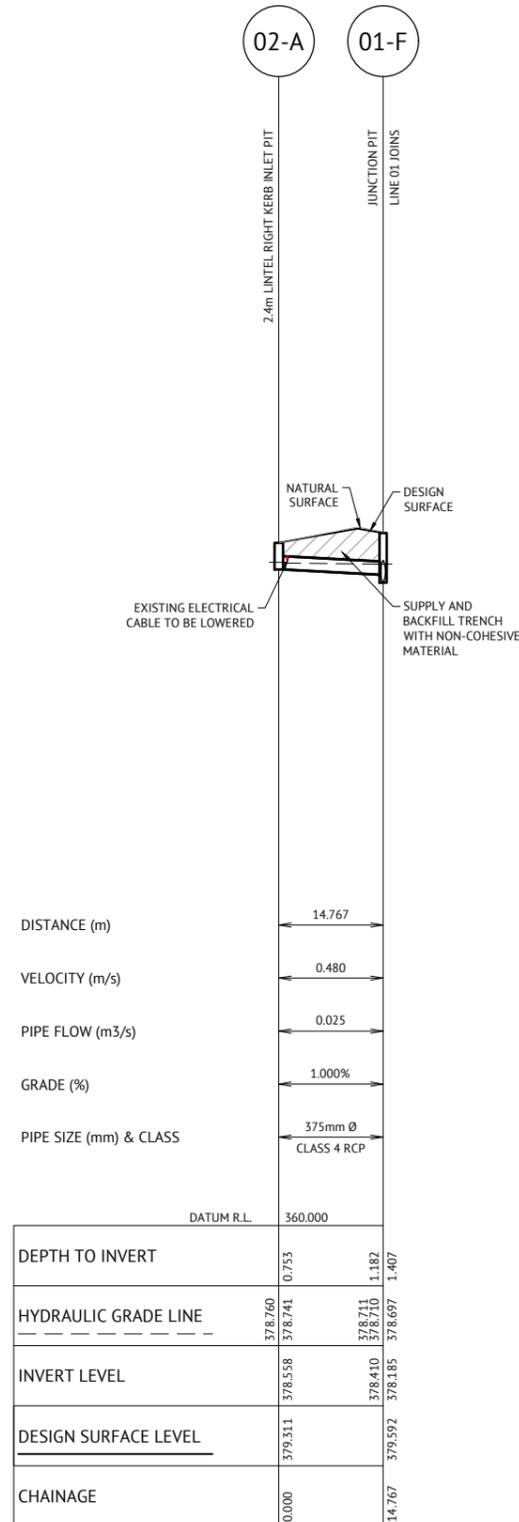
**NOTE**  
ALL JUNCTION PITS WITHIN THE ROADWAY ARE TO HAVE PRECAST HTR TRAFFICABLE CONCRETE SURROUNDS AND LIDS - THE CONCRETE SURROUNDS AND LIDS ARE TO BE CAST WITH A CHARCOAL PIGMENT COLOUR. THE COLOUR OF THE CONCRETE IS TO MATCH THAT OF THE ROADWAY ASPHALT.

**NOTE**  
FOR GRATED INLET PITS AND JUNCTION PITS THE DESIGN SURFACE LEVEL SHOWN IS TO THE TOP OF THE GRATE AND THE LID. FOR KERB INLET PITS THE DESIGN SURFACE SHOWN IS TO THE INVERT OF THE KERB AND GUTTER.

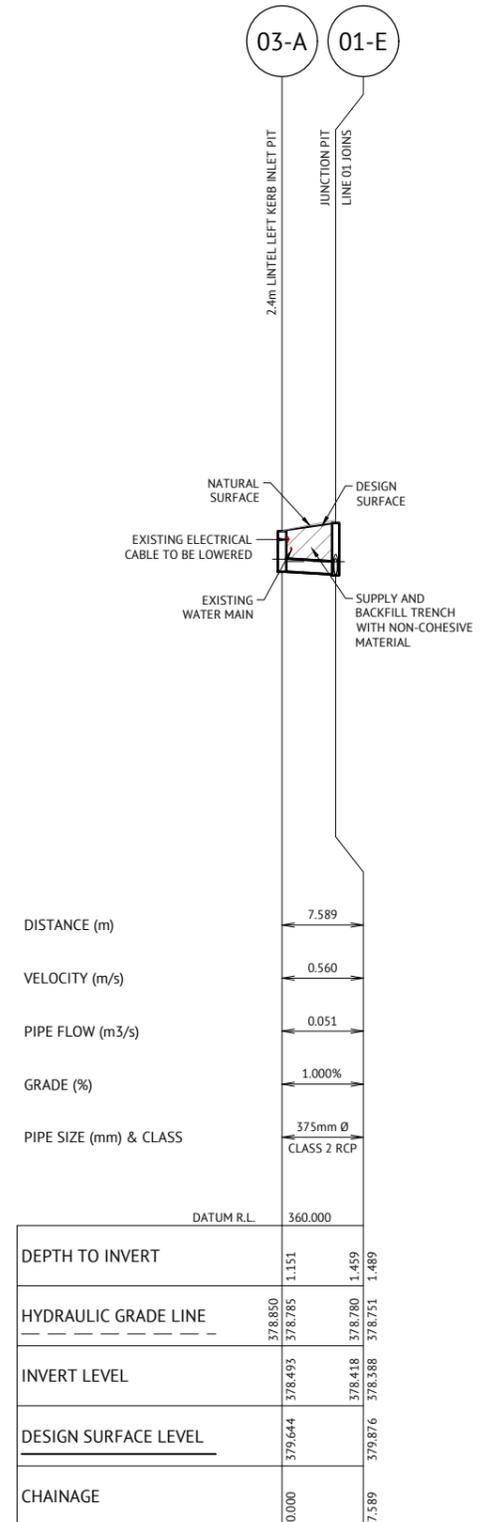
**NOTE**  
EXISTING SERVICES ARE REQUIRED TO BE LOWERED TO FACILITATE THE ROAD PAVEMENT RECONSTRUCTION.

**NOTE**  
STORMWATER MAIN DEPTHS ARE TO ENABLE SUBSOIL DRAINAGE TO BE PROVIDED TO LANDSCAPING STRATAVAULT SYSTEMS WHERE POSSIBLE.

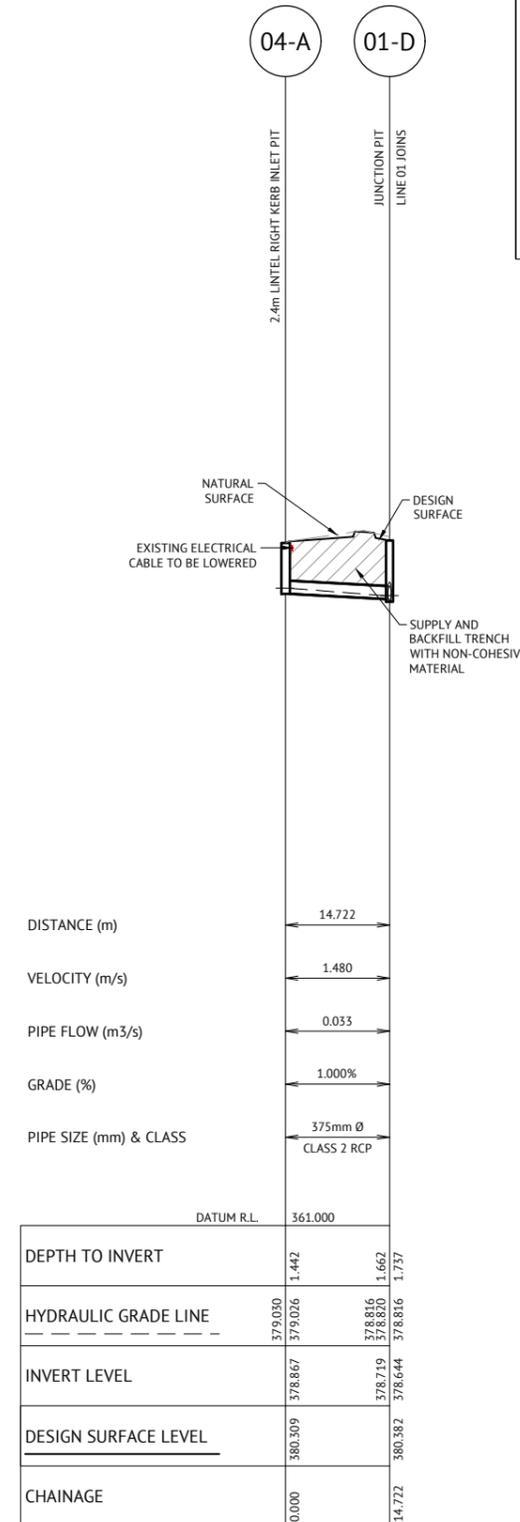
**NOTE**  
WHERE REQUIRED, THE STORMWATER PIT CHAMBERS FOR KERB INLET PITS ARE TO BE LOCATED PARTIALLY BEHIND THE KERB LINE RATHER THAN DIRECTLY BENEATH THE KERB LINE TO ENSURE HORIZONTAL CLEARANCE TO THE EXISTING WATER MAIN RUNNING PARALLEL TO THE KERB LINE. IF CLEARANCE IS STILL NOT SUFFICIENT TO THE EXISTING WATER MAIN, CONSTRUCT A CAST-IN-SITU STORMWATER CHUTE FROM THE LINTEL GRATE OPENING TO THE STORMWATER CHAMBER LOCATED BEHIND THE KERB LINE AND UNDER THE DIRECTION OF THE WEDDIN SHIRE COUNCIL SUPERINTENDENT.



**LINE 2**  
HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
VERTICAL SCALE 1:100 (A1) 1:200 (A3)



**LINE 3**  
HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
VERTICAL SCALE 1:100 (A1) 1:200 (A3)



**LINE 4**  
HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
VERTICAL SCALE 1:100 (A1) 1:200 (A3)

**NOTE**  
THIS PLAN IS TO BE PRINTED AND READ IN COLOUR.

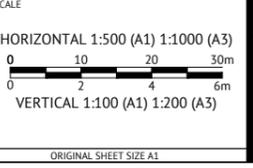
**NOTE**  
ALL DESIGN LEVELS SHOWN ARE FINISHED SURFACE LEVELS.

**LEGEND**  
DESIGN SURFACE  
NATURAL SURFACE  
HGL

ISSUED FOR CONSTRUCTION					
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG	
23/07/2021	K	CLIENT AMENDMENTS (BURRANGONG STREET STORMWATER AMENDED) & ISSUED FOR APPROVAL	BW	SIH	
04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH	
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH	
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH	
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH	
DATE	REV	DESCRIPTION	REC	APP	

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CLIENT  
**WEDDIN SHIRE COUNCIL**

PROJECT  
**GRENFELL MAIN STREET RENEWAL**

LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE  
**STORMWATER LINES 2, 3 & 4 LONGITUDINAL SECTIONS**

JOB CODE	<b>220109_02</b>	
SHEET NUMBER	<b>C052</b>	REV
		<b>L</b>

**NOTE**  
THE CONTRACTOR SHALL ENSURE PIPES ARE PROTECTED AGAINST DAMAGE FROM CONSTRUCTION WHEEL AND OTHER LOADS, TOGETHER WITH COMPACTIVE IMPACT EFFECTS DUE TO THE CONSTRUCTION EQUIPMENT AND SURFACE CONDITIONS IN ACCORDANCE WITH AS/NZS 3725.

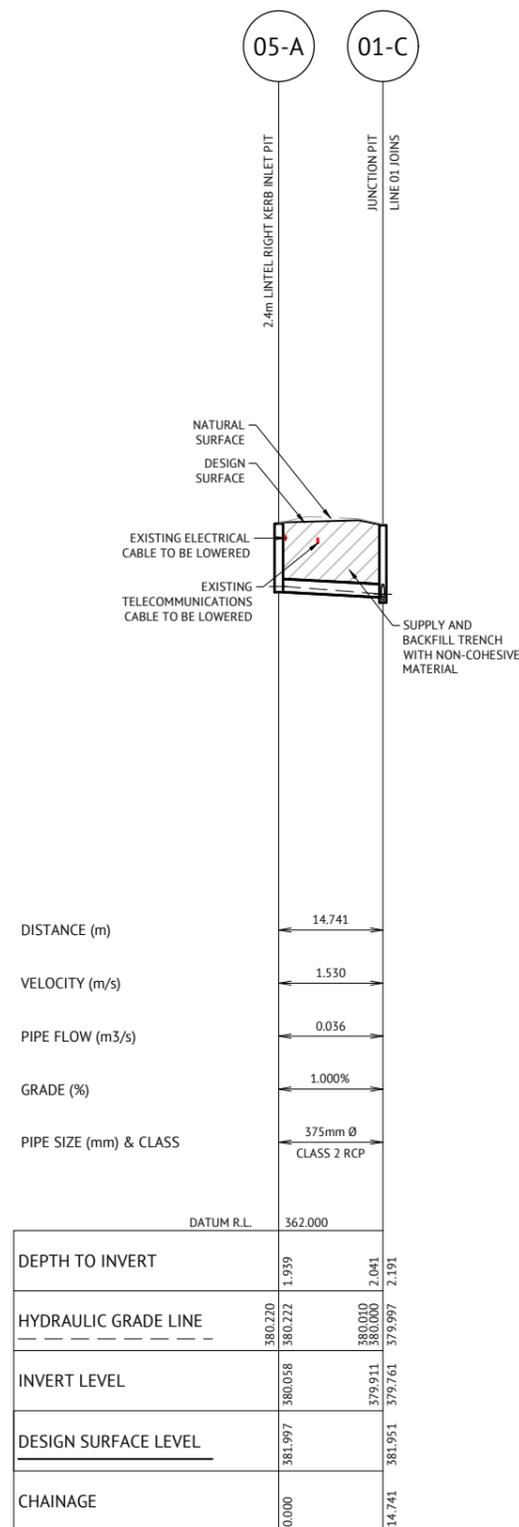
**NOTE**  
ALL JUNCTION PITS WITHIN THE ROADWAY ARE TO HAVE PRECAST HTR TRAFFICABLE CONCRETE SURROUNDS AND LIDS - THE CONCRETE SURROUNDS AND LIDS ARE TO BE CAST WITH A CHARCOAL PIGMENT COLOUR. THE COLOUR OF THE CONCRETE IS TO MATCH THAT OF THE ROADWAY ASPHALT.

**NOTE**  
FOR GRATED INLET PITS AND JUNCTION PITS THE DESIGN SURFACE LEVEL SHOWN IS TO THE TOP OF THE GRATE AND THE LID. FOR KERB INLET PITS THE DESIGN SURFACE SHOWN IS TO THE INVERT OF THE KERB AND GUTTER.

**NOTE**  
EXISTING SERVICES ARE REQUIRED TO BE LOWERED TO FACILITATE THE ROAD PAVEMENT RECONSTRUCTION.

**NOTE**  
STORMWATER MAIN DEPTHS ARE TO ENABLE SUBSOIL DRAINAGE TO BE PROVIDED TO LANDSCAPING STRATAVAULT SYSTEMS WHERE POSSIBLE.

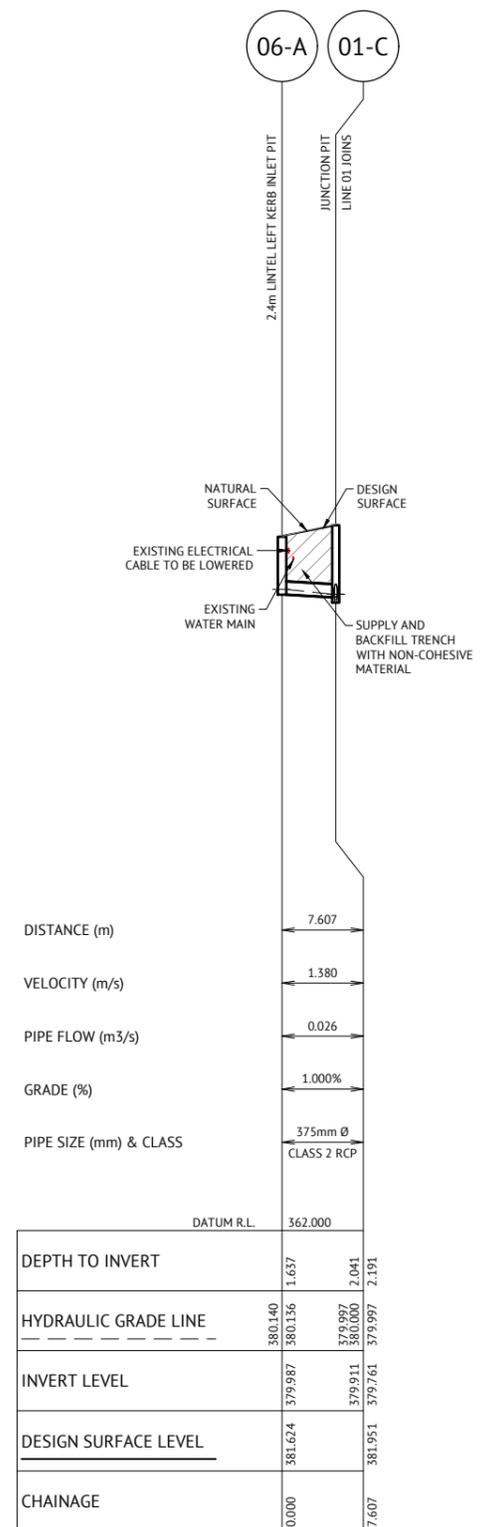
**NOTE**  
WHERE REQUIRED, THE STORMWATER PIT CHAMBERS FOR KERB INLET PITS ARE TO BE LOCATED PARTIALLY BEHIND THE KERB LINE RATHER THAN DIRECTLY BENEATH THE KERB LINE TO ENSURE HORIZONTAL CLEARANCE TO THE EXISTING WATER MAIN RUNNING PARALLEL TO THE KERB LINE. IF CLEARANCE IS STILL NOT SUFFICIENT TO THE EXISTING WATER MAIN, CONSTRUCT A CAST-IN-SITU STORMWATER CHUTE FROM THE LINTEL GRATE OPENING TO THE STORMWATER CHAMBER LOCATED BEHIND THE KERB LINE AND UNDER THE DIRECTION OF THE WEDDIN SHIRE COUNCIL SUPERINTENDENT.



DISTANCE (m)	14.741
VELOCITY (m/s)	1.530
PIPE FLOW (m <sup>3</sup> /s)	0.036
GRADE (%)	1.000%
PIPE SIZE (mm) & CLASS	375mm Ø CLASS 2 RCP

DATUM R.L.	362.000
DEPTH TO INVERT	1.939
HYDRAULIC GRADE LINE	380.220
INVERT LEVEL	380.058
DESIGN SURFACE LEVEL	381.997
CHAINAGE	0.000

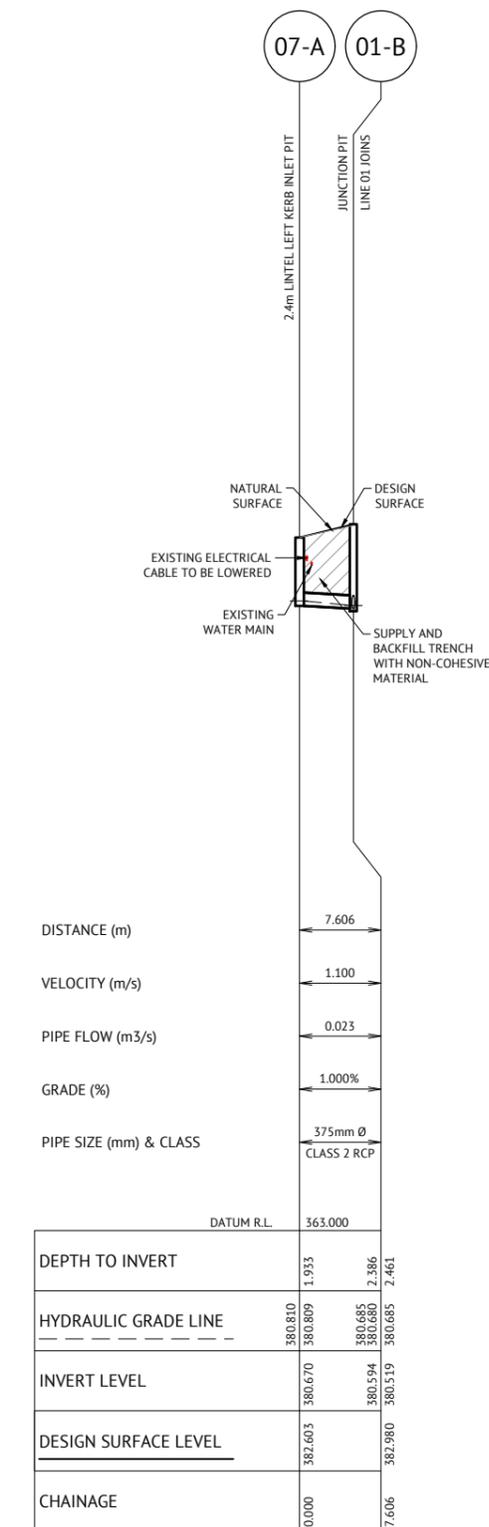
**LINE 5**  
HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
VERTICAL SCALE 1:100 (A1) 1:200 (A3)



DISTANCE (m)	7.607
VELOCITY (m/s)	1.380
PIPE FLOW (m <sup>3</sup> /s)	0.026
GRADE (%)	1.000%
PIPE SIZE (mm) & CLASS	375mm Ø CLASS 2 RCP

DATUM R.L.	362.000
DEPTH TO INVERT	1.637
HYDRAULIC GRADE LINE	380.140
INVERT LEVEL	379.987
DESIGN SURFACE LEVEL	381.624
CHAINAGE	0.000

**LINE 6**  
HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
VERTICAL SCALE 1:100 (A1) 1:200 (A3)



DISTANCE (m)	7.606
VELOCITY (m/s)	1.100
PIPE FLOW (m <sup>3</sup> /s)	0.023
GRADE (%)	1.000%
PIPE SIZE (mm) & CLASS	375mm Ø CLASS 2 RCP

DATUM R.L.	363.000
DEPTH TO INVERT	1.933
HYDRAULIC GRADE LINE	380.810
INVERT LEVEL	380.670
DESIGN SURFACE LEVEL	382.603
CHAINAGE	0.000

**LINE 7**  
HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
VERTICAL SCALE 1:100 (A1) 1:200 (A3)

**NOTE**  
THIS PLAN IS TO BE PRINTED AND READ IN COLOUR.

**NOTE**  
ALL DESIGN LEVELS SHOWN ARE FINISHED SURFACE LEVELS.

**LEGEND**  
DESIGN SURFACE  
NATURAL SURFACE  
HGL

ISSUED FOR CONSTRUCTION					
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG	
23/07/2021	K	CLIENT AMENDMENTS (BURRANGONG STREET STORMWATER AMENDED) & ISSUED FOR APPROVAL	BW	SIH	
04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH	
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH	
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH	
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH	
DATE	REV	DESCRIPTION	REC	APP	REVISIONS

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DESIGNED  
**NICHOLLE STEVENSON**  
CHECKED  
**EDDIE GOULD**  
PROJECT MANAGER  
**EDDIE GOULD**  
ENGINEERING CERTIFICATION

SCALE  
HORIZONTAL 1:500 (A1) 1:1000 (A3)  
VERTICAL 1:100 (A1) 1:200 (A3)

ORIGINAL SHEET SIZE A1

CLIENT  
**WEDDIN SHIRE COUNCIL**

PROJECT  
**GRENFELL MAIN STREET RENEWAL**

LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE  
**STORMWATER LINES 5, 6 & 7 LONGITUDINAL SECTIONS**

JOB CODE  
**220109\_02**

SHEET NUMBER  
**C053**

REV  
**L**

**NOTE**  
THE CONTRACTOR SHALL ENSURE PIPES ARE PROTECTED AGAINST DAMAGE FROM CONSTRUCTION WHEEL AND OTHER LOADS, TOGETHER WITH COMPACTIVE IMPACT EFFECTS DUE TO THE CONSTRUCTION EQUIPMENT AND SURFACE CONDITIONS IN ACCORDANCE WITH AS/NZS 3725.

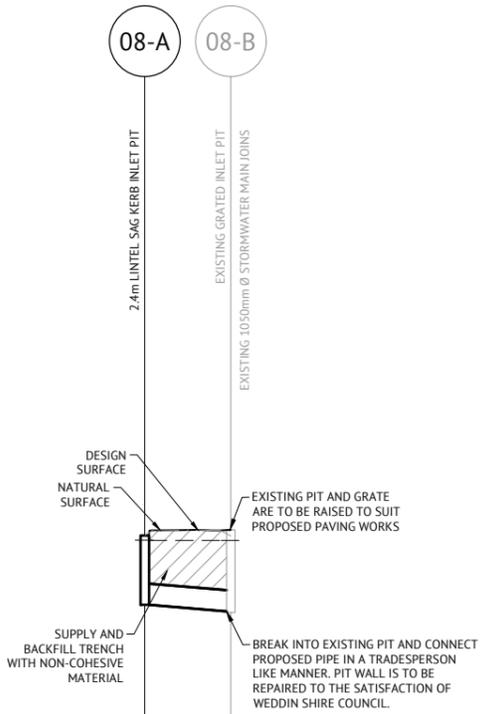
**NOTE**  
ALL JUNCTION PITS WITHIN THE ROADWAY ARE TO HAVE PRECAST HTR TRAFFICABLE CONCRETE SURROUNDS AND LIDS - THE CONCRETE SURROUNDS AND LIDS ARE TO BE CAST WITH A CHARCOAL PIGMENT COLOUR. THE COLOUR OF THE CONCRETE IS TO MATCH THAT OF THE ROADWAY ASPHALT.

**NOTE**  
FOR GRATED INLET PITS AND JUNCTION PITS THE DESIGN SURFACE LEVEL SHOWN IS TO THE TOP OF THE GRATE AND THE LID. FOR KERB INLET PITS THE DESIGN SURFACE SHOWN IS TO THE INVERT OF THE KERB AND GUTTER.

**NOTE**  
EXISTING SERVICES ARE REQUIRED TO BE LOWERED TO FACILITATE THE ROAD PAVEMENT RECONSTRUCTION.

**NOTE**  
STORMWATER MAIN DEPTHS ARE TO ENABLE SUBSOIL DRAINAGE TO BE PROVIDED TO LANDSCAPING STRATAVAULT SYSTEMS WHERE POSSIBLE.

**NOTE**  
WHERE REQUIRED, THE STORMWATER PIT CHAMBERS FOR KERB INLET PITS ARE TO BE LOCATED PARTIALLY BEHIND THE KERB LINE RATHER THAN DIRECTLY BENEATH THE KERB LINE TO ENSURE HORIZONTAL CLEARANCE TO THE EXISTING WATER MAIN RUNNING PARALLEL TO THE KERB LINE. IF CLEARANCE IS STILL NOT SUFFICIENT TO THE EXISTING WATER MAIN, CONSTRUCT A CAST-IN-SITU STORMWATER CHUTE FROM THE LINTEL GRATE OPENING TO THE STORMWATER CHAMBER LOCATED BEHIND THE KERB LINE AND UNDER THE DIRECTION OF THE WEDDIN SHIRE COUNCIL SUPERINTENDENT.

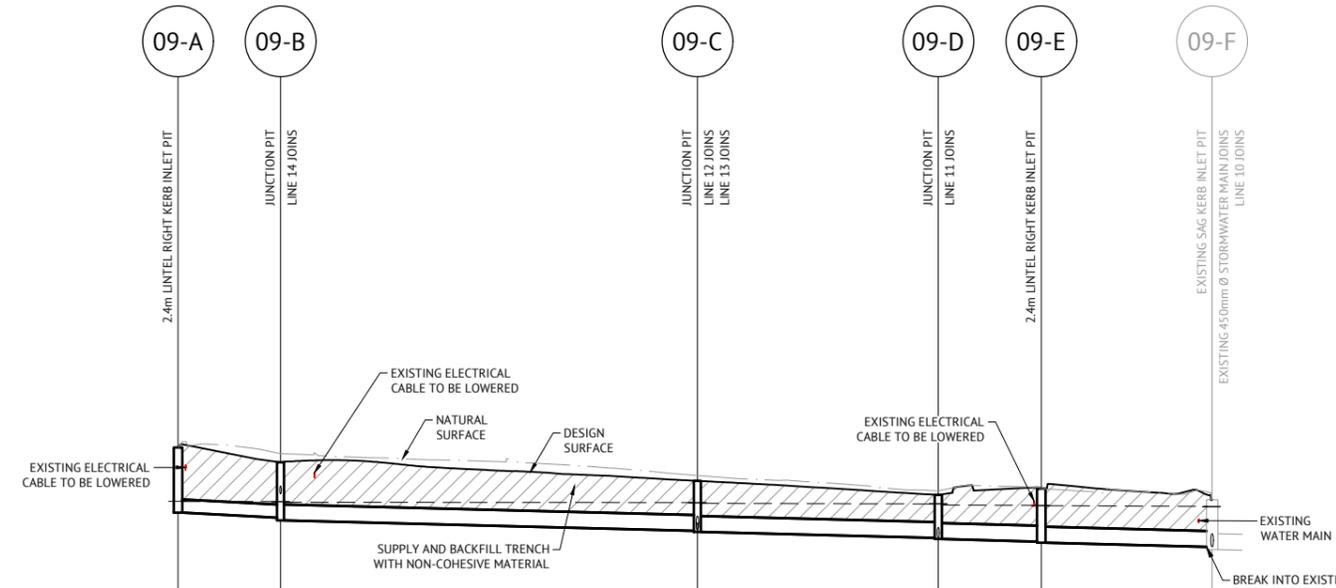


DISTANCE (m)	12.179
VELOCITY (m/s)	0.170
PIPE FLOW (m <sup>3</sup> /s)	0.048
GRADE (%)	1.500%
PIPE SIZE (mm) & CLASS	600mm Ø CLASS 2 RCP

DATUM R.L.	359.000
DEPTH TO INVERT	1.961, 2.305
HYDRAULIC GRADE LINE	378.390, 378.381, 378.380, 376.345
INVERT LEVEL	376.538, 376.375
DESIGN SURFACE LEVEL	378.518, 378.680
CHAINAGE	0.000, 12.179

**NOTE**  
A STARTING HGL 150mm BELOW THE EXISTING SURFACE LEVEL (R.L. 378.53) OF THE EXISTING PIT 8-B WAS ASSUMED FOR THE 10% AEP HYDRAULIC ANALYSIS.

**LINE 8**  
HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
VERTICAL SCALE 1:100 (A1) 1:200 (A3)



DISTANCE (m)	14.506	59.007	34.105	14.578	24.182
VELOCITY (m/s)	0.140	0.350	0.560	0.660	0.720
PIPE FLOW (m <sup>3</sup> /s)	0.014	0.055	0.086	0.102	0.112
GRADE (%)	1.000%	0.500%	0.500%	0.500%	0.500%
PIPE SIZE (mm) & CLASS	375mm Ø CLASS 2 RCP	450mm Ø CLASS 2 RCP			

DATUM R.L.	364.000
DEPTH TO INVERT	1.842, 1.569, 1.644
HYDRAULIC GRADE LINE	384.490, 384.484, 384.484, 384.480, 384.464, 384.454, 384.450, 384.433, 383.654, 383.624, 383.454, 383.324, 384.374, 384.370, 383.321, 384.367, 384.345, 384.340, 383.325, 383.385, 1.410
INVERT LEVEL	384.169, 384.024, 383.949, 383.624, 383.454, 383.324, 384.374, 384.370, 383.321, 384.367
DESIGN SURFACE LEVEL	386.011, 385.595, 385.069, 384.671, 384.848
CHAINAGE	0.000, 14.506, 75.513, 107.618, 122.197, 146.379

**NOTE**  
A STARTING HGL 150mm BELOW THE EXISTING SURFACE LEVEL (R.L. 384.535) OF THE EXISTING PIT 9-F WAS ASSUMED FOR THE 10% AEP HYDRAULIC ANALYSIS.

**LINE 9**  
HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
VERTICAL SCALE 1:100 (A1) 1:200 (A3)

**NOTE**  
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**NOTE**  
ALL DESIGN LEVELS SHOWN ARE FINISHED SURFACE LEVELS.

**LEGEND**  
DESIGN SURFACE  
NATURAL SURFACE  
HGL

ISSUED FOR CONSTRUCTION					
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG	
23/07/2021	K	CLIENT AMENDMENTS (BURRANGONG STREET STORMWATER AMENDED) & ISSUED FOR APPROVAL	BW	SIH	
04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH	
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH	
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH	
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH	
DATE	REV	DESCRIPTION	REC	APP	REVISIONS

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DESIGNED  
**NICHOLLE STEVENSON**  
CHECKED  
**EDDIE GOULD**  
PROJECT MANAGER  
**EDDIE GOULD**  
ENGINEERING CERTIFICATION

SCALE  
HORIZONTAL 1:500 (A1) 1:1000 (A3)  
VERTICAL 1:100 (A1) 1:200 (A3)

ORIGINAL SHEET SIZE A1

CLIENT  
**WEDDIN SHIRE COUNCIL**

PROJECT  
**GRENFELL MAIN STREET RENEWAL**

LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE  
**STORMWATER LINES 8 & 9 LONGITUDINAL SECTIONS**

JOB CODE  
**220109\_02**

SHEET NUMBER  
**C054**

REV  
**L**

**NOTE**  
THE CONTRACTOR SHALL ENSURE PIPES ARE PROTECTED AGAINST DAMAGE FROM CONSTRUCTION WHEEL AND OTHER LOADS, TOGETHER WITH COMPACTIVE IMPACT EFFECTS DUE TO THE CONSTRUCTION EQUIPMENT AND SURFACE CONDITIONS IN ACCORDANCE WITH AS/NZS 3725.

**NOTE**  
ALL JUNCTION PITS WITHIN THE ROADWAY ARE TO HAVE PRECAST HTR TRAFFICABLE CONCRETE SURROUNDS AND LIDS - THE CONCRETE SURROUNDS AND LIDS ARE TO BE CAST WITH A CHARCOAL PIGMENT COLOUR. THE COLOUR OF THE CONCRETE IS TO MATCH THAT OF THE ROADWAY ASPHALT.

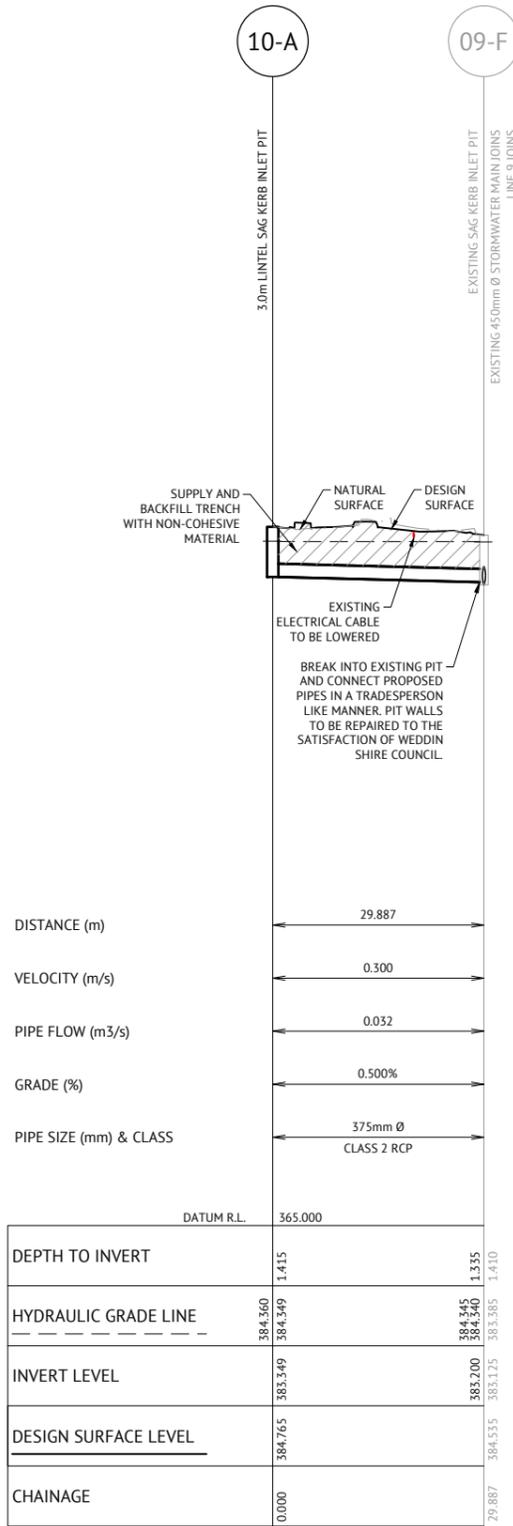
**NOTE**  
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**NOTE**  
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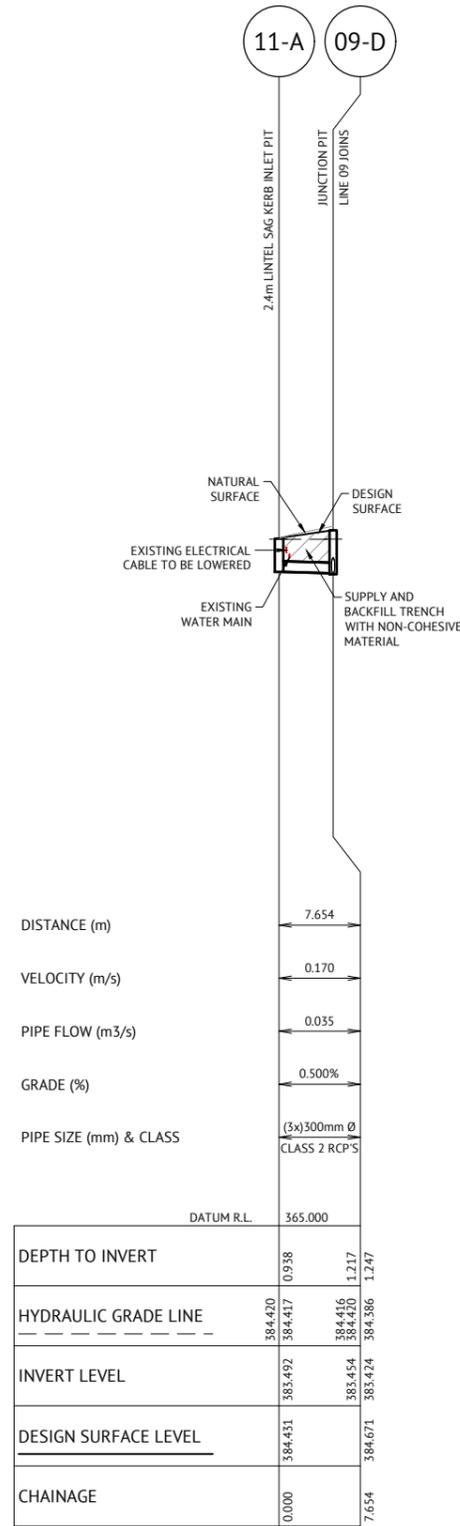
**NOTE**  
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**NOTE**  
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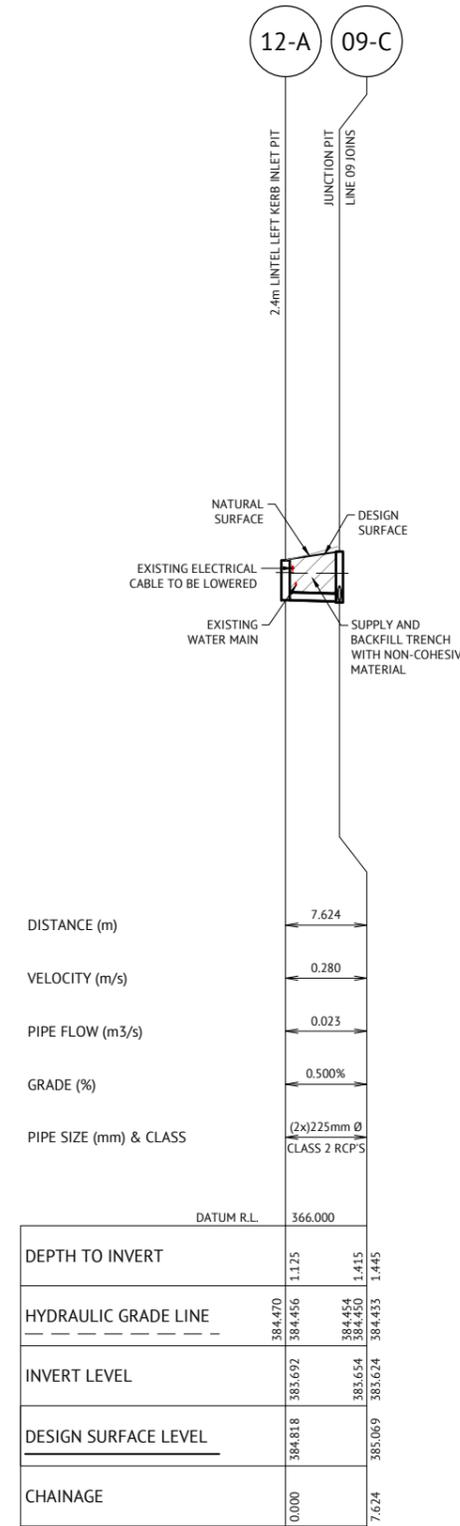
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**LINE 10**  
HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
VERTICAL SCALE 1:100 (A1) 1:200 (A3)



**LINE 11**  
HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
VERTICAL SCALE 1:100 (A1) 1:200 (A3)



**LINE 12**  
HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
VERTICAL SCALE 1:100 (A1) 1:200 (A3)

**NOTE**  
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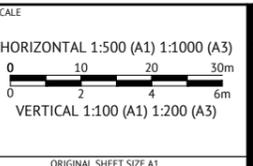
**NOTE**  
ALL DESIGN LEVELS SHOWN ARE FINISHED SURFACE LEVELS.

**LEGEND**  
DESIGN SURFACE  
NATURAL SURFACE  
HGL

ISSUED FOR CONSTRUCTION					
DATE	REV	DESCRIPTION	REC	APP	REVISIONS
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG	
23/07/2021	K	CLIENT AMENDMENTS (BURRANGONG STREET STORMWATER AMENDED) & ISSUED FOR APPROVAL	BW	SIH	
04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH	
19/02/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH	
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH	
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH	

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DESIGNED  
**NICHOLLE STEVENSON**  
CHECKED  
**EDDIE GOULD**  
PROJECT MANAGER  
**EDDIE GOULD**  
ENGINEERING CERTIFICATION



CLIENT  
**WEDDIN SHIRE COUNCIL**

PROJECT  
**GRENFELL MAIN STREET RENEWAL**

LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE  
**STORMWATER LINES 10, 11 & 12 LONGITUDINAL SECTIONS**

JOB CODE <b>220109_02</b>	
SHEET NUMBER <b>C055</b>	REV <b>L</b>

**NOTE**  
THE CONTRACTOR SHALL ENSURE PIPES ARE PROTECTED AGAINST DAMAGE FROM CONSTRUCTION WHEEL AND OTHER LOADS, TOGETHER WITH COMPACTIVE IMPACT EFFECTS DUE TO THE CONSTRUCTION EQUIPMENT AND SURFACE CONDITIONS IN ACCORDANCE WITH AS/NZS 3725.

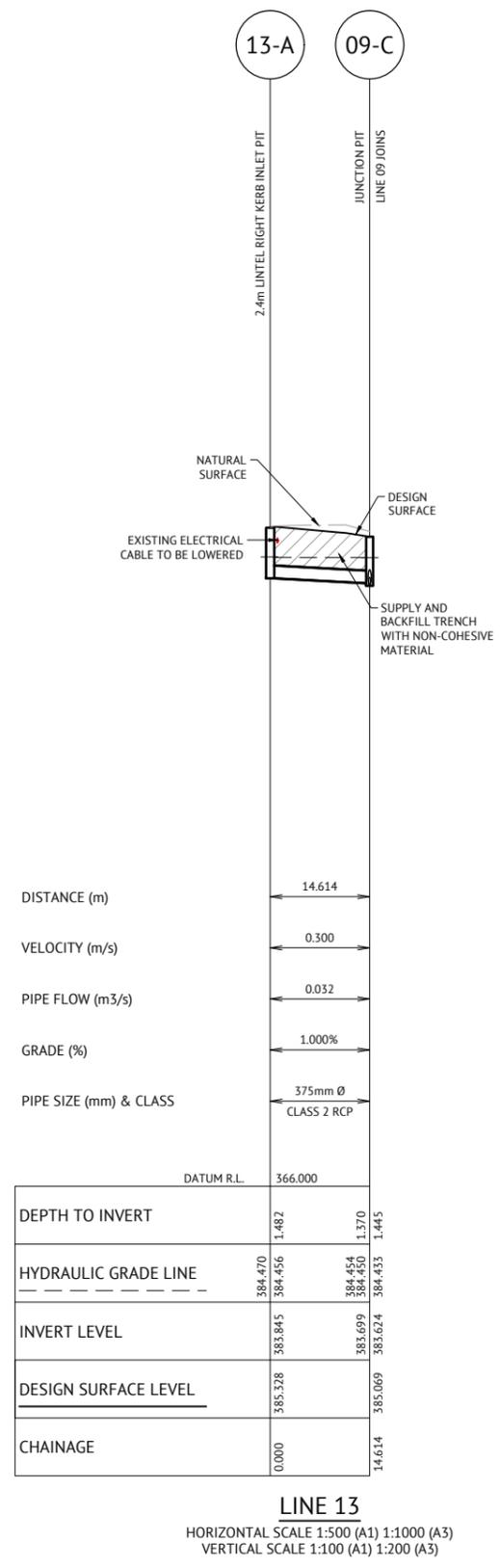
**NOTE**  
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**NOTE**  
FOR GRATED INLET PITS AND JUNCTION PITS THE DESIGN SURFACE LEVEL SHOWN IS TO THE TOP OF THE GRATE AND THE LID. FOR KERB INLET PITS THE DESIGN SURFACE SHOWN IS TO THE INVERT OF THE KERB AND GUTTER.

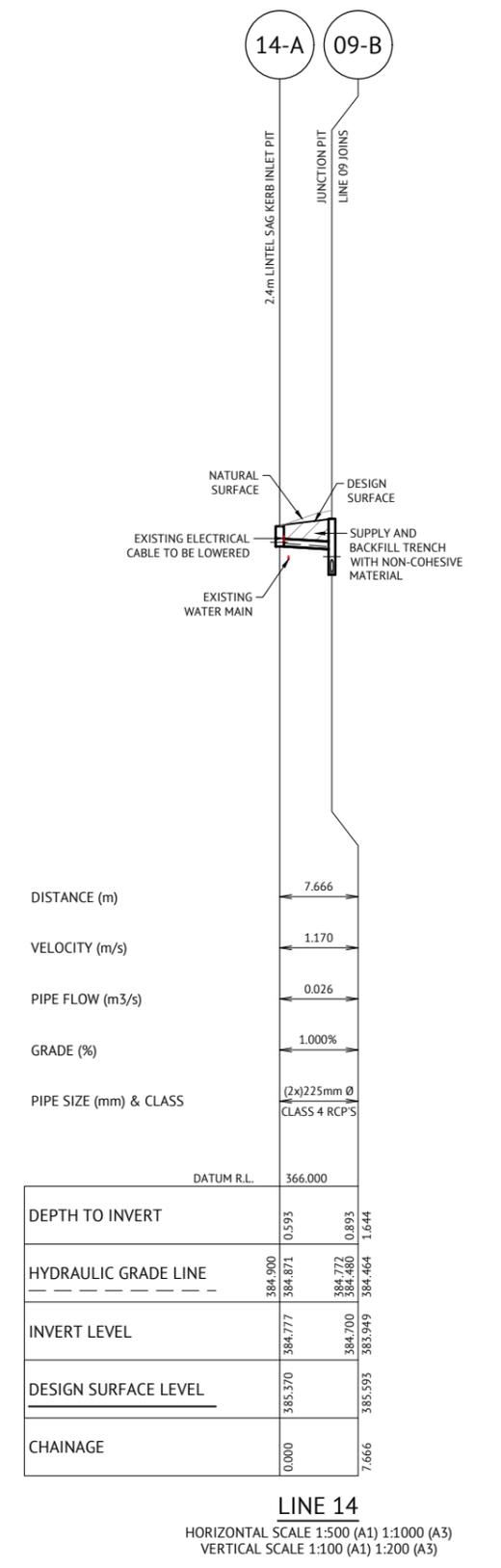
**NOTE**  
EXISTING SERVICES ARE REQUIRED TO BE LOWERED TO FACILITATE THE ROAD PAVEMENT RECONSTRUCTION.

**NOTE**  
STORMWATER MAIN DEPTHS ARE TO ENABLE SUBSOIL DRAINAGE TO BE PROVIDED TO LANDSCAPING STRATAVAULT SYSTEMS WHERE POSSIBLE.

**NOTE**  
WHERE REQUIRED, THE STORMWATER PIT CHAMBERS FOR KERB INLET PITS ARE TO BE LOCATED PARTIALLY BEHIND THE KERB LINE TO ENSURE HORIZONTAL CLEARANCE TO THE EXISTING WATER MAIN RUNNING PARALLEL TO THE KERB LINE. IF CLEARANCE IS STILL NOT SUFFICIENT TO THE EXISTING WATER MAIN, CONSTRUCT A CAST-IN-SITU STORMWATER CHUTE FROM THE LINTEL GRATE OPENING TO THE STORMWATER CHAMBER LOCATED BEHIND THE KERB LINE AND UNDER THE DIRECTION OF THE WEDDIN SHIRE COUNCIL SUPERINTENDENT.



**LINE 13**  
HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
VERTICAL SCALE 1:100 (A1) 1:200 (A3)



**LINE 14**  
HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
VERTICAL SCALE 1:100 (A1) 1:200 (A3)

**NOTE**  
THIS PLAN IS TO BE PRINTED AND READ IN COLOUR.

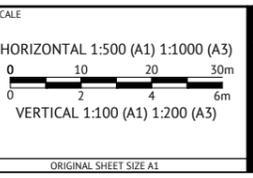
**NOTE**  
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**LEGEND**  
DESIGN SURFACE  
NATURAL SURFACE  
HGL

ISSUED FOR CONSTRUCTION					
DATE	REV	DESCRIPTION	REC	APP	REVISIONS
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG	
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16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH	
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH	

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DESIGNED  
**NICHOLLE STEVENSON**  
CHECKED  
**EDDIE GOULD**  
PROJECT MANAGER  
**EDDIE GOULD**  
ENGINEERING CERTIFICATION



CLIENT  
**WEDDIN SHIRE COUNCIL**  
PROJECT  
**GRENFELL MAIN STREET RENEWAL**  
LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**  
SHEET TITLE  
**STORMWATER LINES 13 & 14 LONGITUDINAL SECTIONS**

JOB CODE	<b>220109_02</b>
SHEET NUMBER	<b>C056</b>
REV	<b>L</b>

**NOTE**  
THE CONTRACTOR SHALL ENSURE PIPES ARE PROTECTED AGAINST DAMAGE FROM CONSTRUCTION WHEEL AND OTHER LOADS, TOGETHER WITH COMPACTIVE IMPACT EFFECTS DUE TO THE CONSTRUCTION EQUIPMENT AND SURFACE CONDITIONS IN ACCORDANCE WITH AS/NZS 3725.

**NOTE**  
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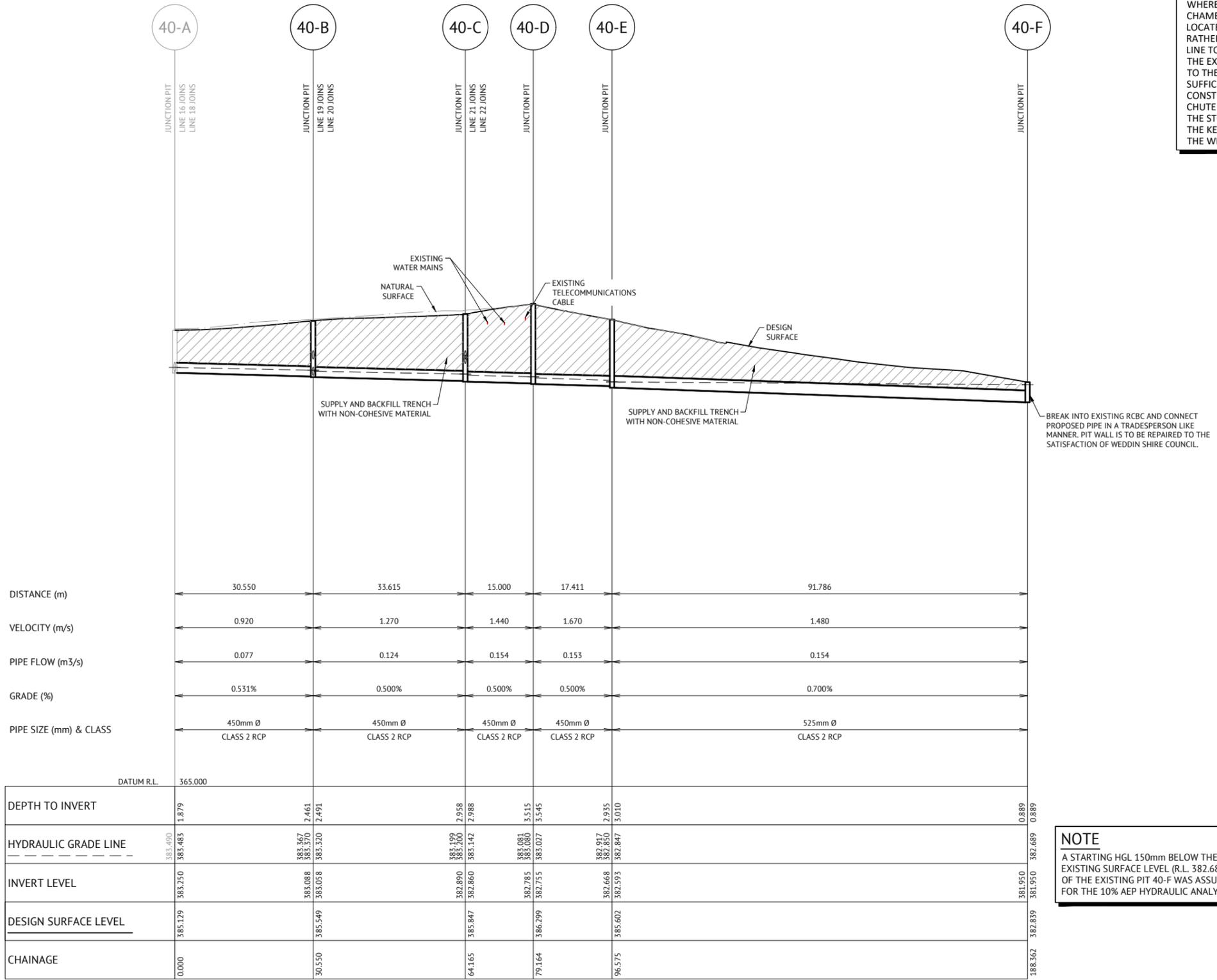
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**NOTE**  
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**NOTE**  
STORMWATER MAIN DEPTHS ARE TO ENABLE SUBSOIL DRAINAGE TO BE PROVIDED TO LANDSCAPING STRATAVAULT SYSTEMS WHERE POSSIBLE.

**NOTE**  
EXISTING PIT 40-A CORRESPONDS WITH PROPOSED PIT 15-D ON REVISION J OF THE PREMISE ENGINEERING PLANS (REF: 220109\_02J\_C001-C066 DATED 04/05/2021).

**NOTE**  
WHERE REQUIRED, THE STORMWATER PIT CHAMBERS FOR KERB INLET PITS ARE TO BE LOCATED PARTIALLY BEHIND THE KERB LINE RATHER THAN DIRECTLY BENEATH THE KERB LINE TO ENSURE HORIZONTAL CLEARANCE TO THE EXISTING WATER MAIN RUNNING PARALLEL TO THE KERB LINE. IF CLEARANCE IS STILL NOT SUFFICIENT TO THE EXISTING WATER MAIN, CONSTRUCT A CAST-IN-SITU STORMWATER CHUTE FROM THE LINTEL GRATE OPENING TO THE STORMWATER CHAMBER LOCATED BEHIND THE KERB LINE AND UNDER THE DIRECTION OF THE WEDDIN SHIRE COUNCIL SUPERINTENDENT.



**NOTE**  
A STARTING HGL 150mm BELOW THE EXISTING SURFACE LEVEL (R.L. 382.689) OF THE EXISTING PIT 40-F WAS ASSUMED FOR THE 10% AEP HYDRAULIC ANALYSIS.

**LINE 40**  
HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
VERTICAL SCALE 1:100 (A1) 1:200 (A3)

**NOTE**  
THIS PLAN IS TO BE PRINTED AND READ IN COLOUR.

**NOTE**  
ALL DESIGN LEVELS SHOWN ARE FINISHED SURFACE LEVELS.

**LEGEND**  
DESIGN SURFACE  
NATURAL SURFACE  
HGL

ISSUED FOR CONSTRUCTION					
DATE	REV	DESCRIPTION	REC	APP	REVISIONS
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG	
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16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH	
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH	

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CHECKED  
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PROJECT MANAGER  
**EDDIE GOULD**  
ENGINEERING CERTIFICATION

SCALE  
HORIZONTAL 1:500 (A1) 1:1000 (A3)  
VERTICAL 1:100 (A1) 1:200 (A3)

ORIGINAL SHEET SIZE A1

CLIENT  
**WEDDIN SHIRE COUNCIL**

PROJECT  
**GRENFELL MAIN STREET RENEWAL**

LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE  
**STORMWATER LINE 40 LONGITUDINAL SECTION**

JOB CODE	<b>220109_02</b>	
SHEET NUMBER	<b>C057</b>	REV <b>L</b>

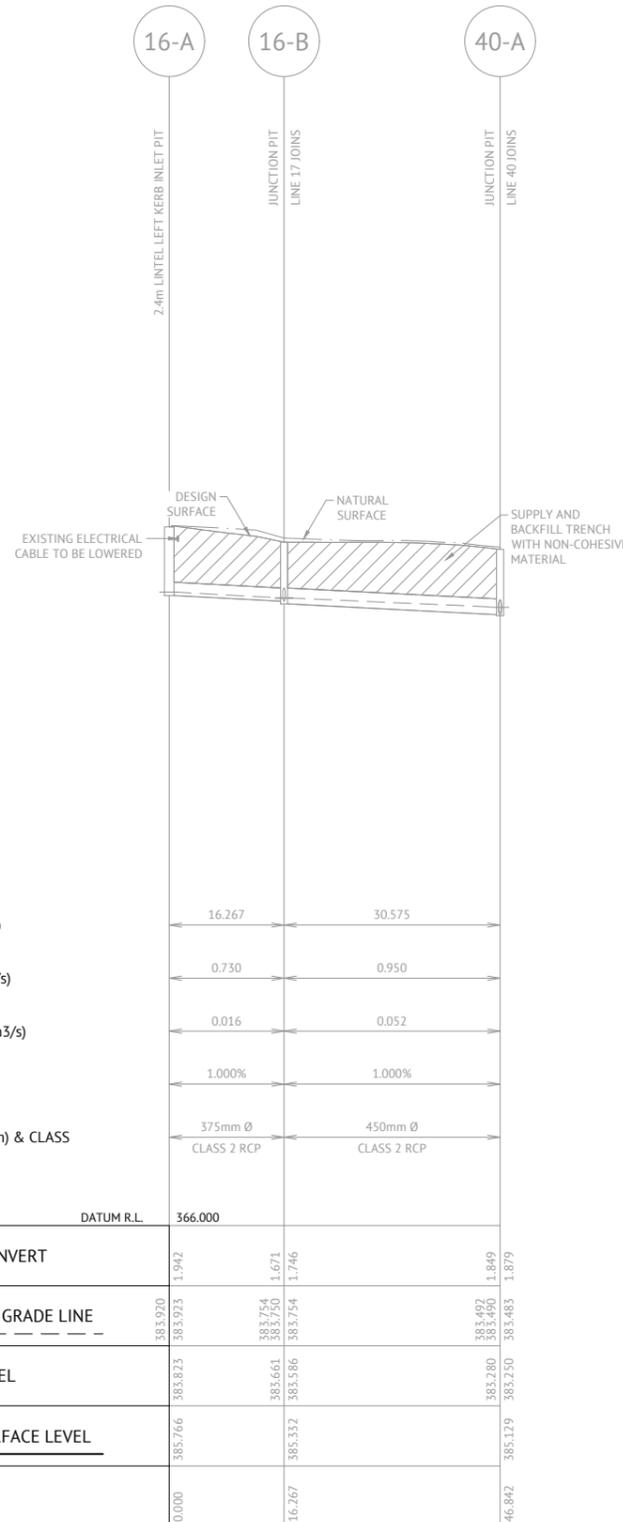
**NOTE**  
THE CONTRACTOR SHALL ENSURE PIPES ARE PROTECTED AGAINST DAMAGE FROM CONSTRUCTION WHEEL AND OTHER LOADS, TOGETHER WITH COMPACTIVE IMPACT EFFECTS DUE TO THE CONSTRUCTION EQUIPMENT AND SURFACE CONDITIONS IN ACCORDANCE WITH AS/NZS 3725.

**NOTE**  
ALL JUNCTION PITS WITHIN THE ROADWAY ARE TO HAVE PRECAST HTR TRAFFICABLE CONCRETE SURROUNDS AND LIDS - THE CONCRETE SURROUNDS AND LIDS ARE TO BE CAST WITH A CHARCOAL PIGMENT COLOUR. THE COLOUR OF THE CONCRETE IS TO MATCH THAT OF THE ROADWAY ASPHALT.

**NOTE**  
FOR GRATED INLET PITS AND JUNCTION PITS THE DESIGN SURFACE LEVEL SHOWN IS TO THE TOP OF THE GRATE AND THE LID. FOR KERB INLET PITS THE DESIGN SURFACE SHOWN IS TO THE INVERT OF THE KERB AND GUTTER.

**NOTE**  
EXISTING SERVICES ARE REQUIRED TO BE LOWERED TO FACILITATE THE ROAD PAVEMENT RECONSTRUCTION.

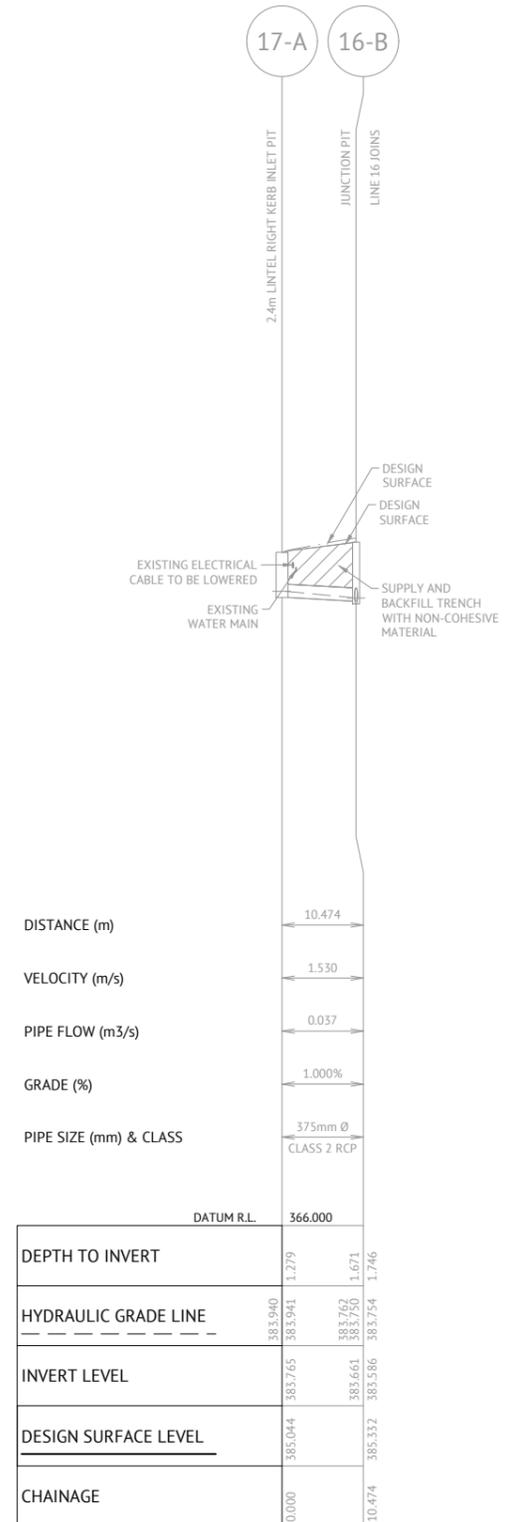
**NOTE**  
STORMWATER MAIN DEPTHS ARE TO ENABLE SUBSOIL DRAINAGE TO BE PROVIDED TO LANDSCAPING STRATAVAULT SYSTEMS WHERE POSSIBLE.



DISTANCE (m)	16.267	30.575
VELOCITY (m/s)	0.730	0.950
PIPE FLOW (m <sup>3</sup> /s)	0.016	0.052
GRADE (%)	1.000%	1.000%
PIPE SIZE (mm) & CLASS	375mm Ø CLASS 2 RCP	450mm Ø CLASS 2 RCP

DATUM R.L.	366.000	
DEPTH TO INVERT	1.942	1.849
HYDRAULIC GRADE LINE	383.923	383.483
INVERT LEVEL	383.023	383.280
DESIGN SURFACE LEVEL	385.766	385.129
CHAINAGE	0.000	46.842

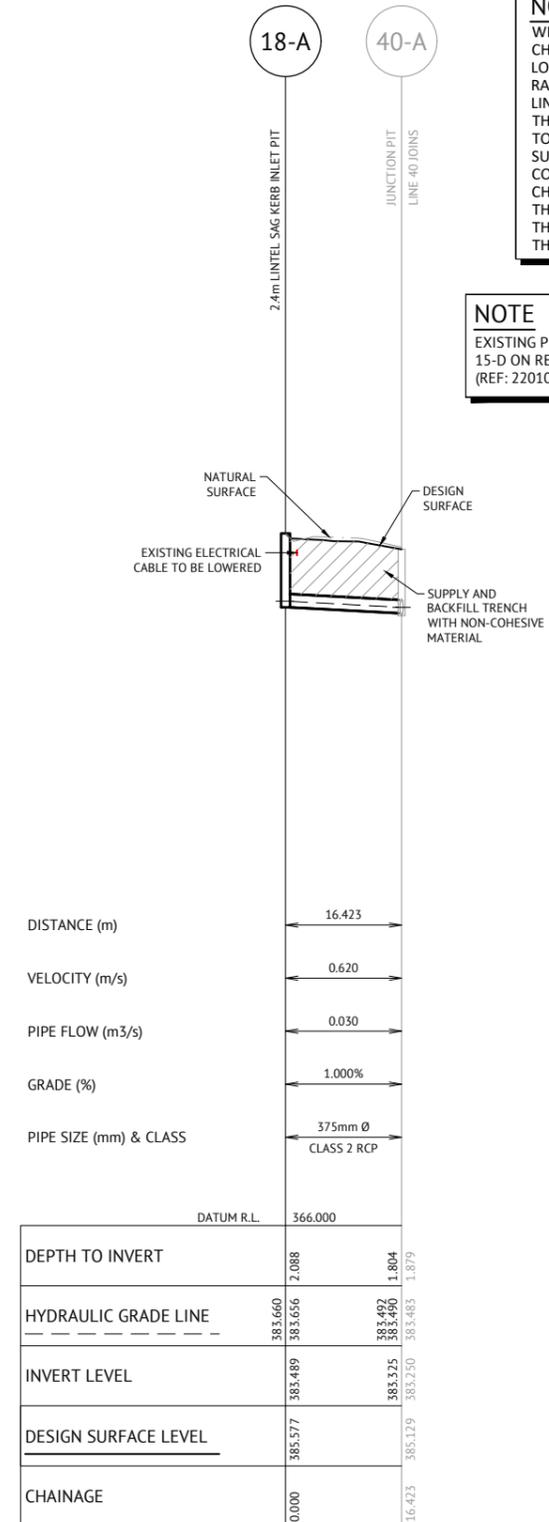
**LINE 16**  
HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
VERTICAL SCALE 1:100 (A1) 1:200 (A3)



DISTANCE (m)	10.474
VELOCITY (m/s)	1.530
PIPE FLOW (m <sup>3</sup> /s)	0.037
GRADE (%)	1.000%
PIPE SIZE (mm) & CLASS	375mm Ø CLASS 2 RCP

DATUM R.L.	366.000	
DEPTH TO INVERT	1.279	1.671
HYDRAULIC GRADE LINE	383.940	383.762
INVERT LEVEL	383.765	383.661
DESIGN SURFACE LEVEL	385.044	385.332
CHAINAGE	0.000	10.474

**LINE 17**  
HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
VERTICAL SCALE 1:100 (A1) 1:200 (A3)



DISTANCE (m)	16.423
VELOCITY (m/s)	0.620
PIPE FLOW (m <sup>3</sup> /s)	0.030
GRADE (%)	1.000%
PIPE SIZE (mm) & CLASS	375mm Ø CLASS 2 RCP

DATUM R.L.	366.000	
DEPTH TO INVERT	2.088	1.804
HYDRAULIC GRADE LINE	383.660	383.490
INVERT LEVEL	383.489	383.325
DESIGN SURFACE LEVEL	385.577	385.129
CHAINAGE	0.000	16.423

**LINE 18**  
HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
VERTICAL SCALE 1:100 (A1) 1:200 (A3)

**NOTE**  
WHERE REQUIRED, THE STORMWATER PIT CHAMBERS FOR KERB INLET PITS ARE TO BE LOCATED PARTIALLY BEHIND THE KERB LINE RATHER THAN DIRECTLY BENEATH THE KERB LINE TO ENSURE HORIZONTAL CLEARANCE TO THE EXISTING WATER MAIN RUNNING PARALLEL TO THE KERB LINE. IF CLEARANCE IS STILL NOT SUFFICIENT TO THE EXISTING WATER MAIN, CONSTRUCT A CAST-IN-SITU STORMWATER CHUTE FROM THE LINTEL GRATE OPENING TO THE STORMWATER CHAMBER LOCATED BEHIND THE KERB LINE AND UNDER THE DIRECTION OF THE WEDDIN SHIRE COUNCIL SUPERINTENDENT.

**NOTE**  
EXISTING PIT 40-A CORRESPONDS WITH PROPOSED PIT 15-D ON REVISION J OF THE PREMISE ENGINEERING PLANS (REF: 220109\_02\_C001-C066 DATED 04/05/2021).

**NOTE**  
THIS PLAN IS TO BE PRINTED AND READ IN COLOUR.

**NOTE**  
ALL DESIGN LEVELS SHOWN ARE FINISHED SURFACE LEVELS.

**LEGEND**  
DESIGN SURFACE  
NATURAL SURFACE  
HGL

<b>ISSUED FOR CONSTRUCTION</b>					
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG	
23/07/2021	K	CLIENT AMENDMENTS (BURRANGONG STREET STORMWATER AMENDED) & ISSUED FOR APPROVAL	BW	SIH	
04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH	
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH	
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH	
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH	
DATE	REV	DESCRIPTION	REC	APP	

**DUBBO OFFICE**  
1ST FLOOR  
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DUBBO, NSW 2830  
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WEB: www.premise.com.au

DESIGNED  
**NICHOLLE STEVENSON**  
CHECKED  
**EDDIE GOULD**  
PROJECT MANAGER  
**EDDIE GOULD**  
ENGINEERING CERTIFICATION

SCALE  
HORIZONTAL 1:500 (A1) 1:1000 (A3)  
VERTICAL 1:100 (A1) 1:200 (A3)

ORIGINAL SHEET SIZE A1

CLIENT  
**WEDDIN SHIRE COUNCIL**

PROJECT  
**GRENFELL MAIN STREET RENEWAL**

LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE  
**STORMWATER LINES 16, 17 & 18 LONGITUDINAL SECTIONS**

JOB CODE	<b>220109_02</b>	
SHEET NUMBER	<b>C058</b>	REV
		<b>L</b>

**NOTE**  
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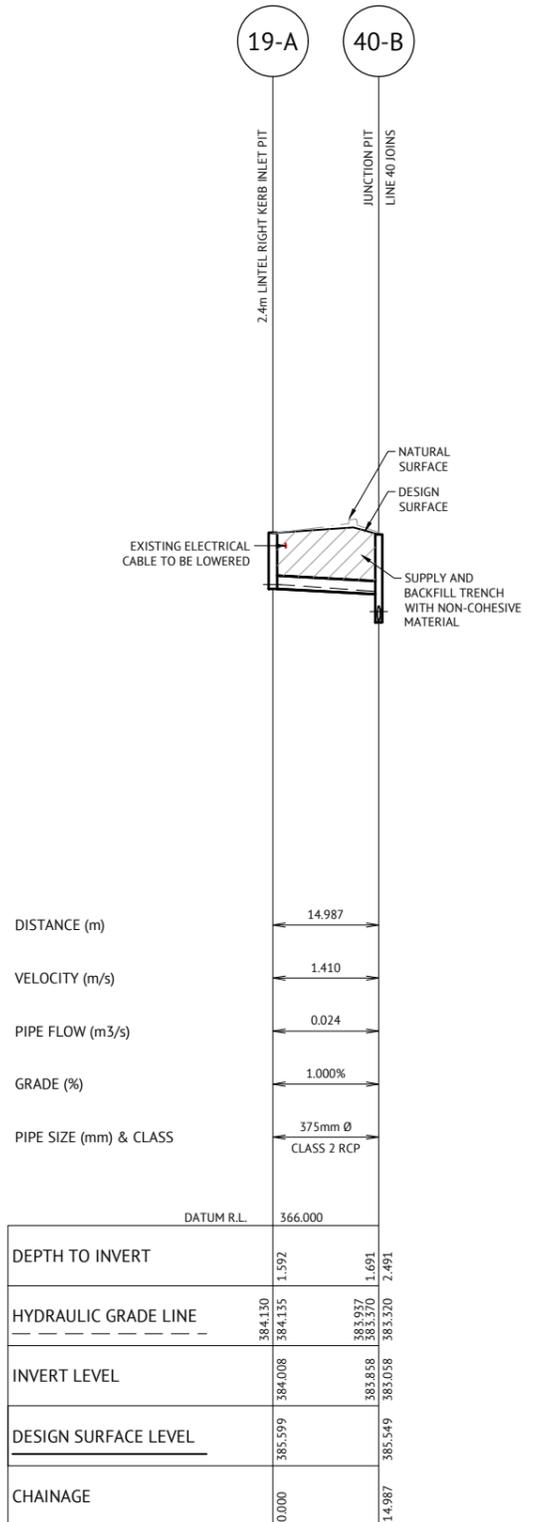
**NOTE**  
ALL JUNCTION PITS WITHIN THE ROADWAY ARE TO HAVE PRECAST HTR TRAFFICABLE CONCRETE SURROUNDS AND LIDS - THE CONCRETE SURROUNDS AND LIDS ARE TO BE CAST WITH A CHARCOAL PIGMENT COLOUR. THE COLOUR OF THE CONCRETE IS TO MATCH THAT OF THE ROADWAY ASPHALT.

**NOTE**  
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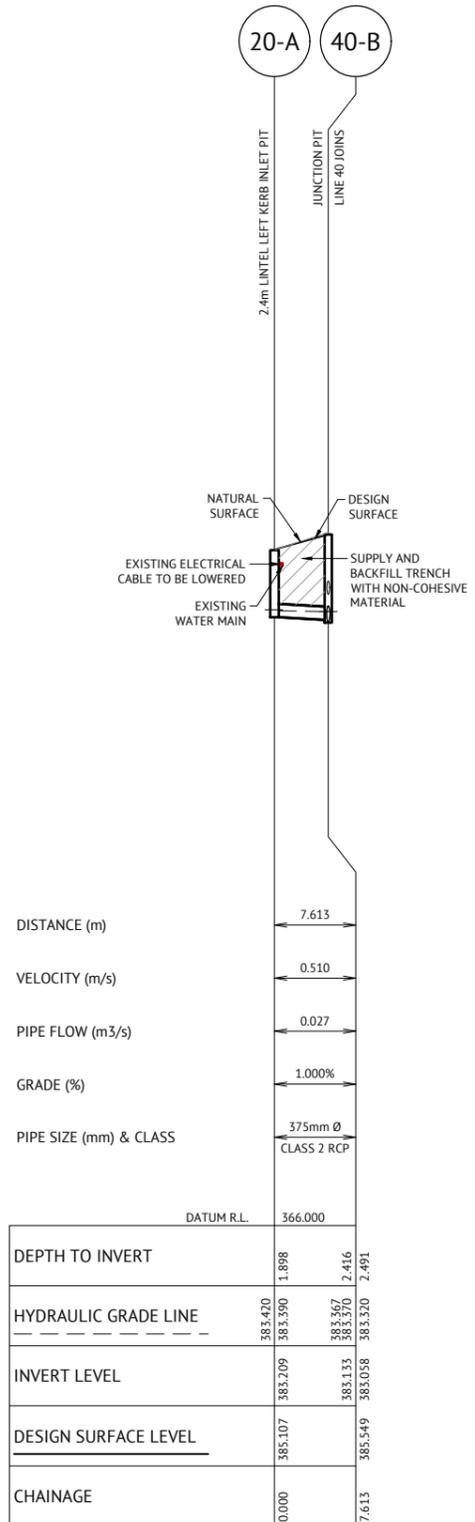
**NOTE**  
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**NOTE**  
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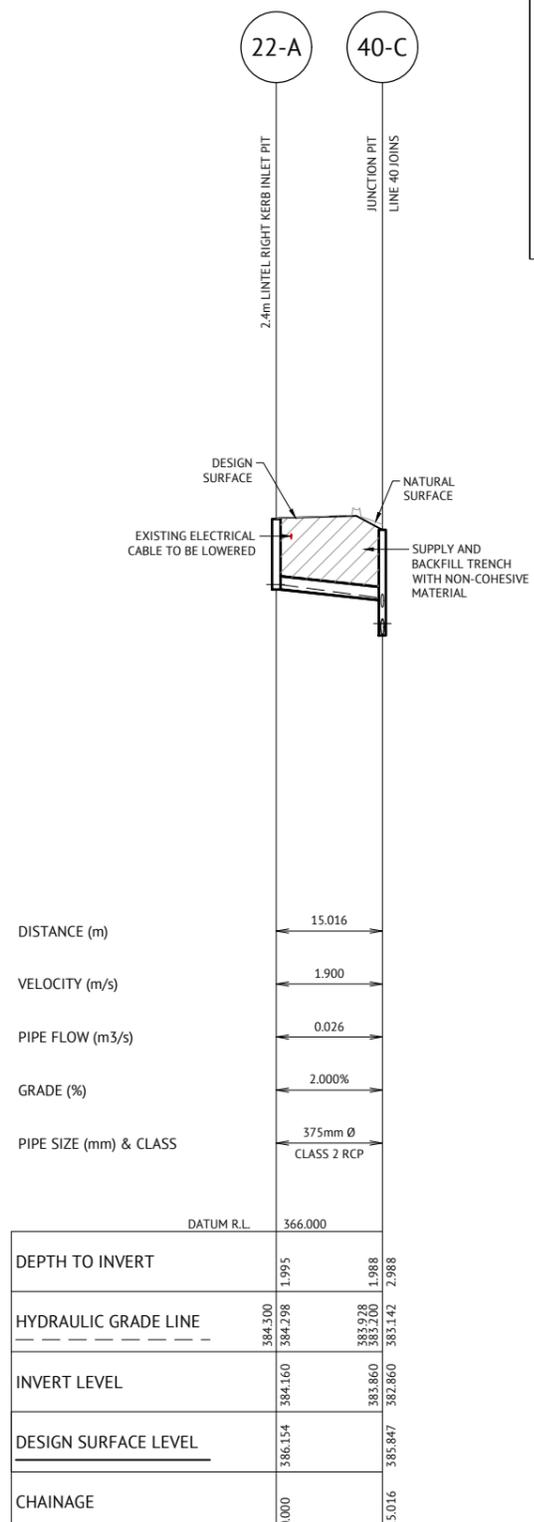
**NOTE**  
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**LINE 19**  
HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
VERTICAL SCALE 1:100 (A1) 1:200 (A3)



**LINE 20**  
HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
VERTICAL SCALE 1:100 (A1) 1:200 (A3)



**LINE 22**  
HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
VERTICAL SCALE 1:100 (A1) 1:200 (A3)

**NOTE**  
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**NOTE**  
ALL DESIGN LEVELS SHOWN ARE FINISHED SURFACE LEVELS.

**LEGEND**  
DESIGN SURFACE  
NATURAL SURFACE  
HGL

ISSUED FOR CONSTRUCTION					
DATE	REV	DESCRIPTION	REC	APP	REVISIONS
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG	
23/07/2021	K	CLIENT AMENDMENTS (BURRANGONG STREET STORMWATER AMENDED) & ISSUED FOR APPROVAL	BW	SIH	
04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH	
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH	
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH	
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH	

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DESIGNED  
**NICHOLLE STEVENSON**  
CHECKED  
**EDDIE GOULD**  
PROJECT MANAGER  
**EDDIE GOULD**  
ENGINEERING CERTIFICATION

SCALE  
HORIZONTAL 1:500 (A1) 1:1000 (A3)  
VERTICAL 1:100 (A1) 1:200 (A3)

ORIGINAL SHEET SIZE A1

CLIENT  
**WEDDIN SHIRE COUNCIL**

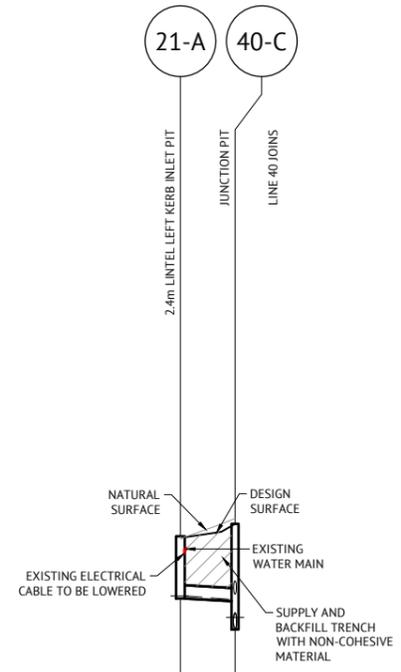
PROJECT  
**GRENFELL MAIN STREET RENEWAL**

LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE  
**STORMWATER LINES 19 & 20 LONGITUDINAL SECTIONS**

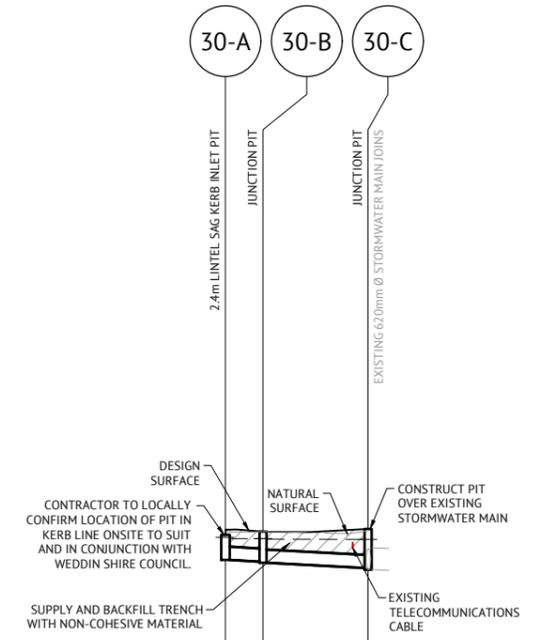
JOB CODE	<b>220109_02</b>	
SHEET NUMBER	<b>C059</b>	REV
		<b>L</b>

STORMWATER PIT SETOUT COORDINATES			
NAME	EASTING	NORTHING	TYPE
01-A	607236.136	6249027.296	2.4m LINTEL RIGHT KERB INLET PIT
01-B	607231.257	6249041.196	JUNCTION PIT
01-C	607198.916	6249030.170	JUNCTION PIT
01-D	607147.502	6249012.642	JUNCTION PIT
01-E	607126.026	6249005.321	JUNCTION PIT
01-F	607109.727	6248999.764	JUNCTION PIT
01-G	607069.210	6248992.769	JUNCTION PIT
01-H	607067.364	6248993.359	2.4m LINTEL SAG KERB INLET PIT
01-I	607055.960	6248989.573	EXISTING GRATED INLET PIT
02-A	607114.500	6248985.790	2.4m LINTEL RIGHT KERB INLET PIT
03-A	607123.557	6249012.497	2.4m LINTEL LEFT KERB INLET PIT
04-A	607152.286	6248998.719	2.4m LINTEL RIGHT KERB INLET PIT
05-A	607203.681	6249016.220	2.4m LINTEL RIGHT KERB INLET PIT
06-A	607196.457	6249037.369	2.4m LINTEL LEFT KERB INLET PIT
07-A	607228.990	6249048.456	2.4m LINTEL LEFT KERB INLET PIT
08-A	607058.754	6248966.835	2.4m LINTEL SAG KERB INLET PIT
08-B	607047.386	6248962.464	EXISTING GRATED INLET PIT
09-A	607395.140	6249004.272	2.4m LINTEL RIGHT KERB INLET PIT
09-B	607398.134	6249018.466	JUNCTION PIT
09-C	607340.439	6249030.838	JUNCTION PIT
09-D	607307.081	6249037.938	JUNCTION PIT
09-E	607304.210	6249023.645	2.4m LINTEL RIGHT KERB INLET PIT
09-F	607280.857	6249029.924	EXISTING SAG KERB INLET PIT
10-A	607259.820	6249008.695	3.0m LINTEL SAG KERB INLET PIT
11-A	607309.548	6249045.184	2.4m LINTEL SAG KERB INLET PIT
12-A	607341.996	6249038.301	2.4m LINTEL LEFT KERB INLET PIT
13-A	607337.393	6249016.545	2.4m LINTEL RIGHT KERB INLET PIT
14-A	607400.693	6249025.692	2.4m LINTEL SAG KERB INLET PIT
16-A	607437.706	6248995.166	EXISTING 2.4m LINTEL LEFT KERB INLET PIT
16-B	607447.811	6249007.914	EXISTING JUNCTION PIT
17-A	607442.322	6249016.834	EXISTING 2.4m LINTEL RIGHT KERB INLET PIT
18-A	607465.962	6248985.386	2.4m LINTEL SAG KERB INLET PIT
19-A	607478.849	6248963.894	2.4m LINTEL RIGHT KERB INLET PIT
20-A	607498.486	6248975.082	2.4m LINTEL LEFT KERB INLET PIT
21-A	607514.449	6248947.198	2.4m LINTEL LEFT KERB INLET PIT
22-A	607495.534	6248934.717	2.4m LINTEL RIGHT KERB INLET PIT
30-A	607044.699	6249006.128	2.4m LINTEL SAG KERB INLET PIT
30-B	607043.334	6249000.995	JUNCTION PIT
30-C	607048.099	6248986.898	JUNCTION PIT
40-A	607476.676	6248997.833	EXISTING JUNCTION PIT
40-B	607491.864	6248971.326	JUNCTION PIT
40-C	607508.576	6248942.160	JUNCTION PIT
40-D	607516.033	6248929.145	JUNCTION PIT
40-E	607533.003	6248933.038	JUNCTION PIT
40-F	607589.872	6249005.084	JUNCTION PIT



DISTANCE (m)	7.738		
VELOCITY (m/s)	1.010		
PIPE FLOW (m <sup>3</sup> /s)	0.008		
GRADE (%)	1.000%		
PIPE SIZE (mm) & CLASS	375mm Ø CLASS 2 RCP		
DATUM R.L.	366.000		
DEPTH TO INVERT	1.761	2.188	2.988
HYDRAULIC GRADE LINE	383.810	383.812	383.708
INVERT LEVEL	383.737	383.660	382.860
DESIGN SURFACE LEVEL	385.498	385.847	385.847
CHAINAGE	0.000	7.738	

**LINE 21**  
HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
VERTICAL SCALE 1:100 (A1) 1:200 (A3)



DISTANCE (m)	5.311		14.881	
VELOCITY (m/s)	0.380		0.380	
PIPE FLOW (m <sup>3</sup> /s)	0.043		0.043	
GRADE (%)	1.000%		1.000%	
PIPE SIZE (mm) & CLASS	375mm Ø CLASS 4 RCP		375mm Ø CLASS 4 RCP	
DATUM R.L.	359.000			
DEPTH TO INVERT	0.708	0.851	0.881	1.109
HYDRAULIC GRADE LINE	378.470	378.432	378.430	378.417
INVERT LEVEL	377.832	377.779	377.749	377.600
DESIGN SURFACE LEVEL	378.540	378.629	378.629	378.709
CHAINAGE	0.000	5.311	20.192	

**LINE 30**  
HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)  
VERTICAL SCALE 1:100 (A1) 1:200 (A3)

**NOTE**  
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**NOTE**  
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**NOTE**  
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**NOTE**  
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**NOTE**  
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**NOTE**  
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**NOTE**  
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**LEGEND**  
DESIGN SURFACE  
NATURAL SURFACE  
HGL

ISSUED FOR CONSTRUCTION					
DATE	REV	DESCRIPTION	REC	APP	REVISIONS
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG	
23/07/2021	K	CLIENT AMENDMENTS (BURRANGONG STREET STORMWATER AMENDED) & ISSUED FOR APPROVAL	BW	SIH	
04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH	
19/02/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH	
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH	
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH	

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DESIGNED  
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CHECKED  
**EDDIE GOULD**  
PROJECT MANAGER  
**EDDIE GOULD**  
ENGINEERING CERTIFICATION

SCALE  
HORIZONTAL 1:500 (A1) 1:1000 (A3)  
VERTICAL 1:100 (A1) 1:200 (A3)

ORIGINAL SHEET SIZE A1

CLIENT  
**WEDDIN SHIRE COUNCIL**

PROJECT  
**GRENFELL MAIN STREET RENEWAL**

LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE  
**STORMWATER LINES 21 & 30 LONGITUDINAL SECTIONS**

JOB CODE  
**220109\_02**

SHEET NUMBER  
**C060**

REV  
**L**

**NOTE**  
 PEAK RUNOFF FLOWS WERE DETERMINED USING THE ILSAX HYDROLOGICAL MODEL IN WATERCOM 'DRAINS' SOFTWARE MODEL. THE GRENFELL RAINFALL DATA USED FOR ANALYSIS WAS DOWNLOADED FROM THE ARR DATA HUB ON 11/05/2020 AND A CLIMATE CHANGE MULTIPLIER OF 1.11 WAS USED THROUGHOUT.

PIPE DETAILS					
Name	Max Q (m <sup>3</sup> /s)	Max V (m/s)	Max U/S HGL (m)	Max D/S HGL (m)	Due to Storm
P 01-A	0.032	1.53	381.041	380.685	10% AEP, 10 min burst, Storm 4
P 01-B	0.059	1.15	380.685	379.997	10% AEP, 5 min burst, Storm 1
P 01-C	0.111	2.35	379.997	378.816	10% AEP, 10 min burst, Storm 4
P 01-D	0.144	1.27	378.816	378.780	10% AEP, 10 min burst, Storm 4
P 01-E	0.191	1.07	378.751	378.711	10% AEP, 10 min burst, Storm 4
P 01-F	0.215	0.84	378.697	378.675	10% AEP, 10 min burst, Storm 4
P 01-G	0.216	0.76	378.627	378.608	10% AEP, 10 min burst, Storm 4
P 01-H	0.256	0.90	378.535	378.520	10% AEP, 10 min burst, Storm 4
P 02-A	0.025	0.48	378.741	378.711	10% AEP, 10 min burst, Storm 4
P 03-A	0.051	0.56	378.785	378.780	10% AEP, 10 min burst, Storm 4
P 04-A	0.033	1.42	379.026	378.819	10% AEP, 10 min burst, Storm 1
P 05-A	0.036	1.45	380.222	380.014	10% AEP, 10 min burst, Storm 4
P 06-A	0.026	1.32	380.136	379.999	10% AEP, 10 min burst, Storm 8
P 07-A	0.023	1.10	380.809	380.685	10% AEP, 5 min burst, Storm 1
P 08-A	0.048	0.17	378.387	378.380	10% AEP, 10 min burst, Storm 1
P 09-A	0.015	0.14	384.488	384.497	10% AEP, 10 min burst, Storm 8
P 09-B	0.055	0.35	384.603	384.564	10% AEP, 10 min burst, Storm 4
P 09-C	0.086	0.56	384.543	384.516	10% AEP, 10 min burst, Storm 4
P 09-D	0.102	0.66	384.425	384.414	10% AEP, 10 min burst, Storm 4
P 09-E	0.112	0.72	384.468	384.448	10% AEP, 20 min burst, Storm 4
P 10-A	0.032	0.30	384.358	384.350	10% AEP, 5 min burst, Storm 1
P 11-A	0.035	0.17	384.427	384.425	10% AEP, 10 min burst, Storm 10
P 12-A	0.023	0.28	384.456	384.454	10% AEP, 10 min burst, Storm 4
P 13-A	0.032	0.30	384.456	384.454	10% AEP, 10 min burst, Storm 3
P 14-A	0.026	1.15	384.871	384.773	10% AEP, 5 min burst, Storm 1
P 16-A	0.016	0.73	383.923	383.754	10% AEP, 5 min burst, Storm 1
P 16-B	0.052	0.95	383.754	383.492	10% AEP, 5 min burst, Storm 1
P 17-A	0.037	1.46	383.941	383.766	10% AEP, 5 min burst, Storm 1
P 18-A	0.030	0.62	383.656	383.492	10% AEP, 10 min burst, Storm 4
P 19-A	0.024	1.28	384.135	383.942	10% AEP, 5 min burst, Storm 1
P 20-A	0.027	0.51	383.390	383.367	10% AEP, 5 min burst, Storm 1
P 21-A	0.008	0.94	383.812	383.710	10% AEP, 5 min burst, Storm 1
P 22-A	0.026	1.67	384.298	383.935	10% AEP, 5 min burst, Storm 1
P 30-A	0.043	0.38	378.432	378.430	10% AEP, 5 min burst, Storm 1
P 30-B	0.043	0.38	378.418	378.410	10% AEP, 5 min burst, Storm 1
P 40-A	0.077	0.92	383.483	383.367	10% AEP, 10 min burst, Storm 4
P 40-B	0.124	1.27	383.320	383.199	10% AEP, 10 min burst, Storm 4
P 40-C	0.154	1.44	383.142	383.081	10% AEP, 10 min burst, Storm 4
P 40-D	0.153	1.64	383.027	382.920	10% AEP, 10 min burst, Storm 4
P 40-E	0.154	1.48	382.847	382.730	10% AEP, 10 min burst, Storm 4

PIT/NODE DETAILS							
Name	Max HGL	Max Pond HGL	Max Surface Flow Arriving (m <sup>3</sup> /s)	Max Pond Volume (m <sup>3</sup> )	Min Freeboard (m)	Overflow (m <sup>3</sup> /s)	Constraint
01-A	381.04		0.036		1.89	0.000	None
01-B	380.68		0.000		2.30		None
01-C	380.00		0.000		1.96		None
01-D	378.82		0.000		1.57		None
01-E	378.78		0.000		1.10		None
01-F	378.71		0.000		0.88		None
01-G	378.68		0.000		0.61		None
01-H	378.61	378.73	0.053	0.20	0.07	0.000	Inlet Capacity
01-I	378.52		0.000				
02-A	378.76		0.032		0.55	0.000	None
03-A	378.85		0.065		0.79	0.004	Inlet Capacity
04-A	379.03		0.042		1.28	0.000	Inlet Capacity
05-A	380.22		0.045		1.77	0.001	Inlet Capacity
06-A	380.14		0.032		1.49	0.000	None
07-A	380.81		0.028		1.79	0.000	None
08-A	378.39	378.57	0.057	0.70	0.13	0.000	Inlet Capacity
08-B	378.38		0.000				
09-A	384.49		0.014		1.52	0.000	None
09-B	384.48		0.000		1.11		None
09-C	384.45		0.000		0.61		None
09-D	384.42		0.000		0.25		None
09-E	384.37		0.025		0.47	0.000	None
09-F	384.34	384.56	0.023	0.30	0.19	0.000	Inlet Capacity
10-A	384.36	384.80	0.031	0.20	0.40	0.000	Inlet Capacity
11-A	384.42	384.47	0.037	0.70	0.01	0.000	Inlet Capacity
12-A	384.47		0.026		0.35	0.000	None
13-A	384.47		0.036		0.86	0.000	None
14-A	384.90	385.40	0.032	0.40	0.47	0.000	Inlet Capacity
16-A	383.92		0.019		1.84	0.000	None
16-B	383.75		0.000		1.58		None
17-A	383.94		0.046		1.10	0.001	Inlet Capacity
18-A	383.66		0.038		1.92	0.001	Inlet Capacity
19-A	384.13		0.030		1.46	0.000	None
20-A	383.42		0.034		1.69	0.000	None
21-A	383.81		0.010		1.69	0.000	None
22-A	384.30		0.030		1.86	0.000	None
30-A	378.47	378.59	0.052	0.40	0.07	0.000	Inlet Capacity
30-B	378.43		0.000		0.20		None
30-C	378.41		0.000				
40-A	383.49		0.000		1.64		None
40-B	383.37		0.000		2.18		None
40-C	383.20		0.000		2.65		None
40-D	383.08		0.000		3.22		None
40-E	382.85		0.000		2.76		None
40-F	382.73		0.000				

CATCHMENT DETAILS							
Name	Max Flow Q (m <sup>3</sup> /s)	Paved Max Q (m <sup>3</sup> /s)	Grassed Max Q (m <sup>3</sup> /s)	Paved Tc (min)	Grassed Tc (min)	Supp. Tc (min)	Due to Storm
C 01-A	0.030	0.000	0.000	5	10	0	10% AEP, 10 min burst, Storm 8
C 01-H	0.040	0.000	0.000	5	10	0	10% AEP, 10 min burst, Storm 1
C 02-A	0.026	0.000	0.000	5	10	0	10% AEP, 10 min burst, Storm 1
C 03-A	0.055	0.000	0.000	5	10	0	10% AEP, 10 min burst, Storm 1
C 04-A	0.034	0.000	0.000	5	10	0	10% AEP, 10 min burst, Storm 1
C 05-A	0.037	0.000	0.000	5	10	0	10% AEP, 10 min burst, Storm 1
C 06-A	0.026	0.000	0.000	5	10	0	10% AEP, 10 min burst, Storm 8
C 07-A	0.023	0.000	0.000	5	10	0	10% AEP, 5 min burst, Storm 1
C 08-A	0.048	0.000	0.000	5	10	0	10% AEP, 10 min burst, Storm 1
C 09-A	0.011	0.000	0.000	5	10	0	10% AEP, 5 min burst, Storm 1
C 09-E	0.021	0.000	0.000	5	10	0	10% AEP, 5 min burst, Storm 1
C 09-F	0.019	0.000	0.000	5	10	2	10% AEP, 5 min burst, Storm 1
C 10-A	0.026	0.000	0.000	5	10	0	10% AEP, 5 min burst, Storm 1
C 11-A	0.032	0.000	0.000	5	10	0	10% AEP, 10 min burst, Storm 8
C 12-A	0.022	0.000	0.000	5	10	0	10% AEP, 10 min burst, Storm 1
C 13-A	0.029	0.000	0.000	5	10	0	10% AEP, 5 min burst, Storm 1
C 14-A	0.026	0.000	0.000	5	10	0	10% AEP, 10 min burst, Storm 8
C 16-A	0.016	0.000	0.000	5	10	0	10% AEP, 5 min burst, Storm 1
C 17-A	0.038	0.000	0.000	5	10	0	10% AEP, 5 min burst, Storm 1
C 18-A	0.031	0.000	0.000	5	10	2	10% AEP, 5 min burst, Storm 1
C 19-A	0.023	0.000	0.000	5	10	0	10% AEP, 10 min burst, Storm 1
C 20-A	0.027	0.000	0.000	5	10	0	10% AEP, 10 min burst, Storm 8
C 21-A	0.008	0.000	0.000	5	10	0	10% AEP, 5 min burst, Storm 1
C 22-A	0.025	0.000	0.000	5	10	0	10% AEP, 5 min burst, Storm 1
C 30-A	0.043	0.000	0.000	5	0	2	10% AEP, 5 min burst, Storm 1

OVERFLOW ROUTE DETAILS							
Name	Max Q U/S	Max Q D/S	Max D	Max DxV	Max Width	Max V	Due to Storm
F 01-A	0	0.037	0.064	0.08	1.27	1.23	10% AEP, 10 min burst, Storm 1
F 01-H	0	0	0	0	0	0	
F 02-A	0	0.048	0.079	0.07	1.76	0.93	10% AEP, 10 min burst, Storm 1
F 03-A	0.004	0.043	0.074	0.07	1.39	0.99	10% AEP, 10 min burst, Storm 4
F 04-A	0	0.026	0.058	0.07	1.07	1.12	10% AEP, 10 min burst, Storm 4
F 05-A	0.001	0.034	0.061	0.08	1.17	1.29	10% AEP, 10 min burst, Storm 1
F 06-A	0	0.055	0.074	0.09	1.39	1.25	10% AEP, 10 min burst, Storm 1
F 07-A	0	0.026	0.057	0.07	1.04	1.2	10% AEP, 10 min burst, Storm 8
F 08-A	0	0	0	0	0	0	
F 09-A	0	0	0	0	0	0	
F 09-E	0	0	0	0	0	0	
F 10-A	0	0.024	0.054	0.07	0.94	1.27	10% AEP, 10 min burst, Storm 8
F 11-A	0	0	0	0	0	0	
F 12-A	0	0.032	0.07	0.06	1.46	0.84	10% AEP, 10 min burst, Storm 8
F 13-A	0	0	0	0	0	0	
F 14-A	0	0.022	0.066	0.05	1.33	0.69	10% AEP, 10 min burst, Storm 1
F 16-A	0	0.003	0.009	0	3.14	0.21	10% AEP, 5 min burst, Storm 1
F 17-A	0.001	0.001	0.018	0.01	0.21	0.37	10% AEP, 5 min burst, Storm 1
F 18-A	0.001	0.001	0.007	0	2.25	0.16	10% AEP, 5 min burst, Storm 1
F 19-A	0	0.025	0.066	0.05	1.33	0.77	10% AEP, 5 min burst, Storm 1
F 20-A	0	0	0	0	0	0	
F 21-A	0	0.028	0.079	0.06	1.29	0.82	10% AEP, 5 min burst, Storm 1
F 22-A	0	0.024	0.065	0.05	1.3	0.78	10% AEP, 5 min burst, Storm 1
F 30-A	0	0	0	0	0	0	

**STORMWATER CALCULATION RESULTS FOR  
 MINOR (10 YEAR ARI) STORM EVENT**

<b>ISSUED FOR CONSTRUCTION</b>					
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG	
23/07/2021	K	CLIENT AMENDMENTS (BURRANGONG STREET STORMWATER AMENDED) & ISSUED FOR APPROVAL	BW	SIH	
04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH	
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH	
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH	
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH	
DATE	REV	DESCRIPTION	REC	APP	

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**NICHOLLE STEVENSON**  
 CHECKED  
**EDDIE GOULD**  
 PROJECT MANAGER  
**EDDIE GOULD**  
 ENGINEERING CERTIFICATION

SCALE  
  
 ORIGINAL SHEET SIZE A1

CLIENT  
**WEDDIN SHIRE COUNCIL**

PROJECT  
**GRENFELL MAIN STREET RENEWAL**

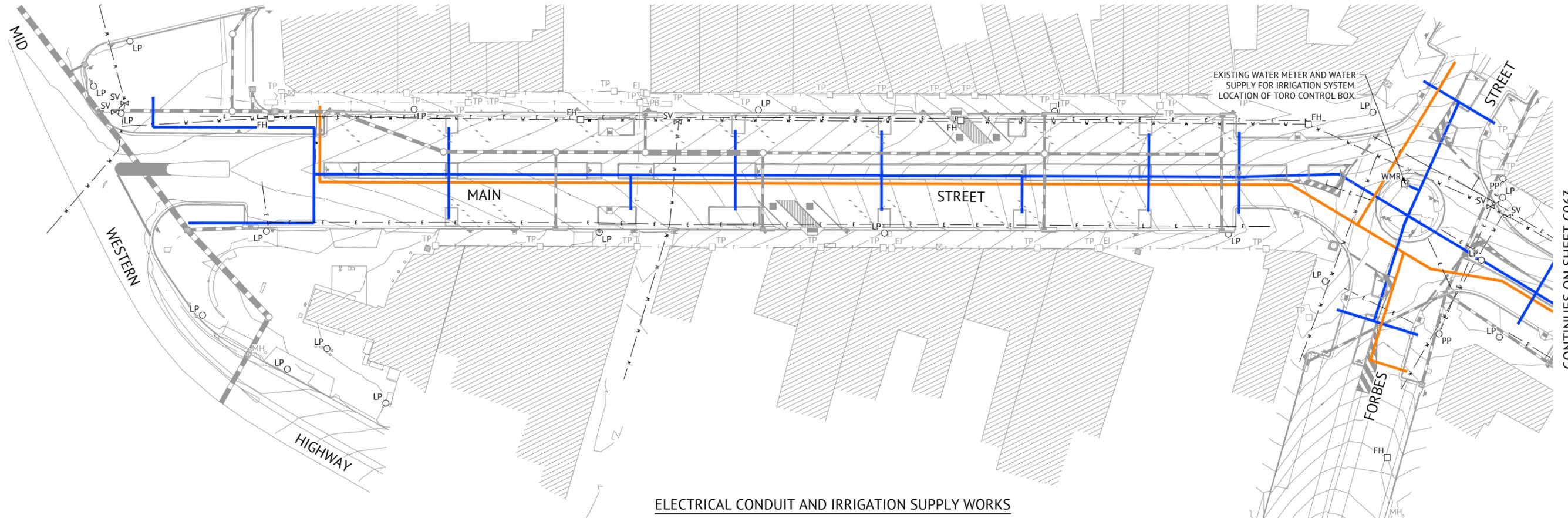
LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE  
**STORMWATER CALCULATIONS**

JOB CODE  
**220109\_02**

SHEET NUMBER  
**C061**

REV  
**L**



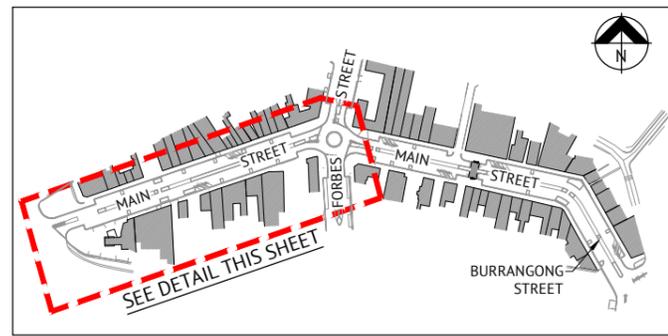
CONTINUES ON SHEET C063

**ELECTRICAL CONDUIT AND IRRIGATION SUPPLY WORKS**

1. THE CONTRACTOR IS TO ENGAGE AN ELECTRICAL ENGINEERING DESIGNER TO DESIGN AND PREPARE PLANS FOR THE ELECTRICAL CONDUITS, ELECTRICAL TRENCH REQUIREMENTS AND ELECTRICAL PIT LOCATIONS FOR THE CONDUITS TO BE INSTALLED CENTRALLY WITHIN MAIN STREET, FORBES STREET AND BURRANGONG STREET TO ALLOW FOR FUTURE ELECTRICAL POWER AND LIGHTING TO BE PROVIDED TO THE CENTRAL MEDIAN ISLANDS WITHIN THE ROADS.
2. THIS CONTRACT IS FOR THE SUPPLY AND INSTALLATION (INCLUDING TRENCH WORKS) OF ELECTRICAL CONDUITS AND PITS ONLY AND DOES NOT INCLUDE THE SUPPLY OR INSTALLATION OF CABLE, ELECTRICAL POWER POINTS OR LIGHTING.
3. ELECTRICAL CONDUITS FOR TENDERING PURPOSES ONLY ARE TO BE A 2 x 2 BUNDLE CONSISTING OF 4 x 150mm DIAMETER uPVC ELECTRICAL CONDUITS. NUMBER OF CONDUITS AND CONDUIT SIZE IS TO BE CONFIRMED BY THE CONTRACTORS ENGAGED ELECTRICAL DESIGNER PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT THE PROPOSED PLANS FOR THE ELECTRICAL CONDUITS AND PITS TO WEDDIN SHIRE COUNCIL FOR APPROVAL AT LEAST TWO WEEKS PRIOR TO CONSTRUCTION OF THE ELECTRICAL WORKS.
4. THE CONTRACTOR IS TO ENGAGE AN IRRIGATION DESIGNER TO DESIGN A SUBSURFACE IRRIGATION SYSTEM (INCLUDING SIZING OF THE IRRIGATION SUPPLY LINE AND CONDUIT ALONG THE MAIN STREET) TO ALL PROPOSED TREE AND MASS PLANTING AREAS IN CONJUNCTION WITH TORO - DETAILS OF THE PROPOSED SYSTEM ARE TO BE PROVIDED BY THE CONTRACTOR TO WEDDIN SHIRE COUNCIL FOR ITS REVIEW MINIMUM 14 DAYS PRIOR TO INSTALLATION WORKS COMMENCING. THE IRRIGATION DESIGNER AND CONTRACTOR SHALL LIAISE WITH TORO TO DESIGN THE SYSTEM TO BE A FULLY AUTOMATED, ZONED AND CONTROLLABLE SYSTEM SUPPLIED FROM THE EXISTING WATER METER LOCATED WITHIN THE FORBES STREET ROUNDABOUT. WEDDIN SHIRE COUNCIL WILL PROVIDE THE STATIC HEAD AND FLOW RATE OF THE EXISTING WATER METER TO ASSIST THE CONTRACTOR AND TORO IN THIS REGARDS. THE SYSTEM IS TO HAVE TELEMETRY CONTROL COMPATIBLE WITH COUNCIL'S EXISTING TELEMETRY SYSTEM.
5. ELECTRICAL CONDUITS AND IRRIGATION SUPPLY CONDUITS ARE TO GENERALLY BE LAID IN A COMMON TRENCH. MINIMUM SEPARATION DISTANCES BETWEEN SERVICES ARE TO BE MAINTAINED IN ACCORDANCE WITH THE AUSTRALIAN STANDARDS. IRRIGATION CONDUIT FOR TENDERING PURPOSES ONLY IS TO BE A 50mm Ø uPVC CONDUIT.
6. WATER METERS ARE TO BE INSTALLED IN CAST IRON PATH BOXES SET FLUSH WITH THE FINISHED SURFACE FOOTPATH OR GARDEN BED SURFACE.

**LEGEND**

- INDICATIVE LOCATION OF PROPOSED ELECTRICAL CONDUIT BANK
- PROPOSED IRRIGATION SUPPLY LINE (TO BE SIZED BY IRRIGATION CONTRACTOR) WITHIN NOMINAL 50mm Ø uPVC CONDUIT (TBC)
- EXISTING WATER MAIN
- EXISTING TELECOMMUNICATIONS CABLES
- FH PROPOSED HYDRANT
- WMR EXISTING WATER METER
- FH EXISTING HYDRANT
- TP EXISTING TELECOMMUNICATIONS PIT
- EJ EXISTING TELSTRA ELEVATED JOINT
- PB EXISTING POWER BOX
- LP EXISTING LIGHT POLE
- ⊗ SV EXISTING STOP VALVE



**SITE LOCALITY KEY**  
NOT TO SCALE

**NOTE**  
THIS PLAN IS TO BE PRINTED AND READ IN COLOUR.

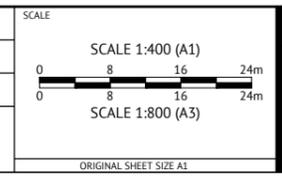
**NOTE**  
FIRE HYDRANTS TO BE RELOCATED OUT OF VEHICLE PARKING SPACES WHERE REQUIRED.

- NOTES**
1. CONTOURS SHOWN ARE DESIGN SURFACE CONTOURS.
  2. CONTOUR INTERVAL 0.2m.

ISSUED FOR CONSTRUCTION					
DATE	REV	DESCRIPTION	REC	APP	REVISIONS
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG	
23/07/2021	K	CLIENT AMENDMENTS (BURRANGONG STREET STORMWATER AMENDED) & ISSUED FOR APPROVAL	BW	SIH	
04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH	
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH	
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH	
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH	

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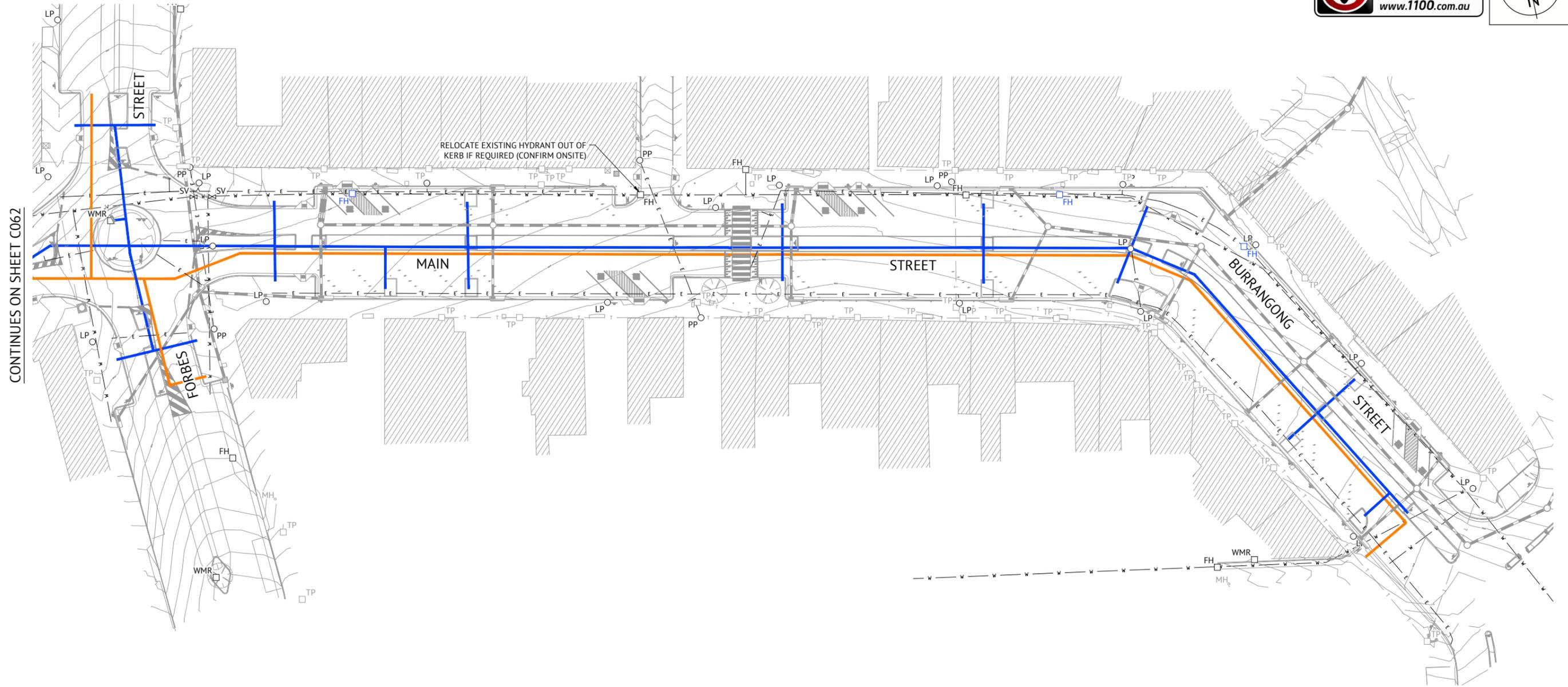
CLIENT  
**WEDDIN SHIRE COUNCIL**

PROJECT  
**GRENFELL MAIN STREET RENEWAL**

LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE  
**ELECTRICAL CONDUIT AND IRRIGATION SUPPLY LAYOUT PLAN, SHEET 1 OF 2**

JOB CODE <b>220109_02</b>	
SHEET NUMBER <b>C062</b>	REV <b>L</b>



CONTINUES ON SHEET C062

RELOCATE EXISTING HYDRANT OUT OF KERB IF REQUIRED (CONFIRM ONSITE)

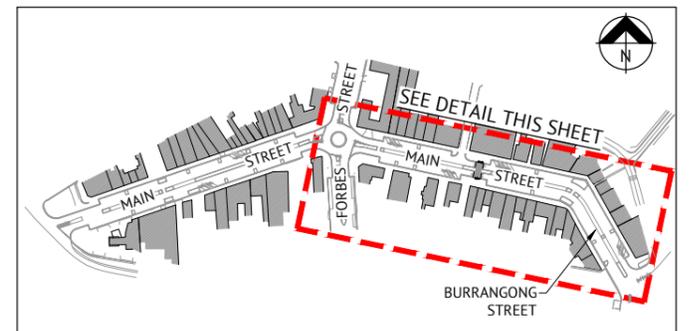
**LEGEND**

- INDICATIVE LOCATION OF PROPOSED ELECTRICAL CONDUIT BANK
- PROPOSED IRRIGATION SUPPLY LINE (TO BE SIZED BY IRRIGATION CONTRACTOR) WITHIN NOMINAL 50mm Ø uPVC CONDUIT (TBC)
- EXISTING WATER MAIN
- EXISTING TELECOMMUNICATIONS CABLES
- FH PROPOSED HYDRANT
- WMR EXISTING WATER METER
- FH EXISTING HYDRANT
- TP EXISTING TELECOMMUNICATIONS PIT
- EJ EXISTING TELSTRA ELEVATED JOINT
- PB EXISTING POWER BOX
- LP EXISTING LIGHT POLE
- △ SV EXISTING STOP VALVE

**NOTE**  
REFER TO SHEET C062 FOR ELECTRICAL AND IRRIGATION SUPPLY NOTES.

**NOTE**  
THIS PLAN IS TO BE PRINTED AND READ IN COLOUR.

**NOTE**  
FIRE HYDRANTS TO BE RELOCATED OUT OF VEHICLE PARKING SPACES WHERE REQUIRED.



**SITE LOCALITY KEY**  
NOT TO SCALE

**NOTES**

1. CONTOURS SHOWN ARE DESIGN SURFACE CONTOURS.
2. CONTOUR INTERVAL 0.2m.

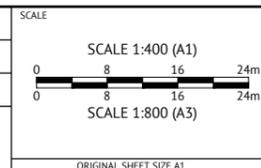
**ISSUED FOR CONSTRUCTION**

DATE	REV	DESCRIPTION	REC	APP
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG
23/07/2021	K	CLIENT AMENDMENTS (BURRANGONG STREET STORMWATER AMENDED) & ISSUED FOR APPROVAL	BW	SIH
04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH



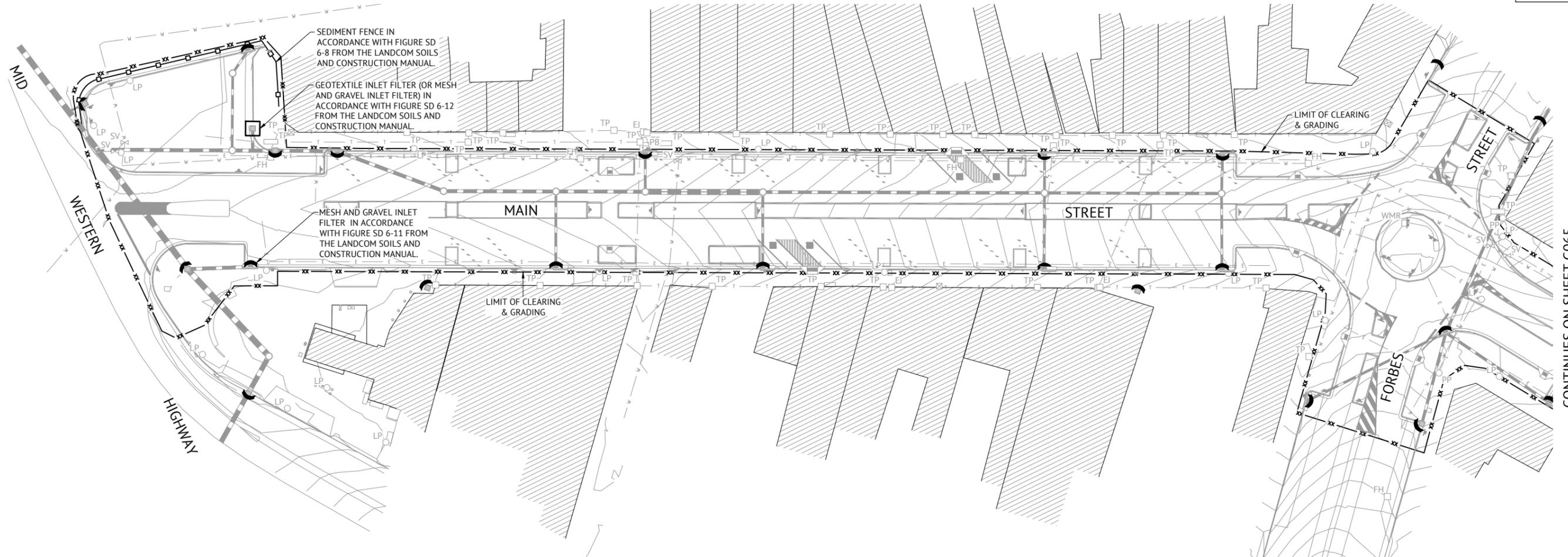
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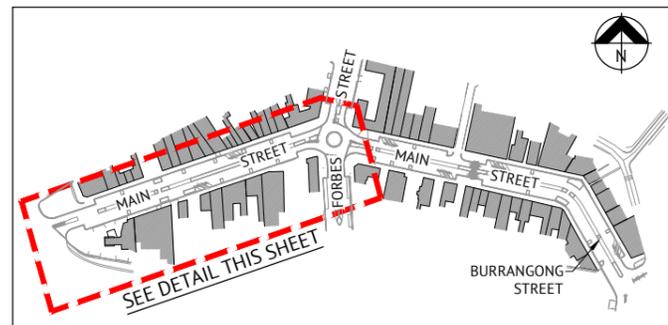


CLIENT **WEDDIN SHIRE COUNCIL**  
PROJECT **GRENFELL MAIN STREET RENEWAL**  
LOCATION **MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**  
SHEET TITLE **ELECTRICAL CONDUIT AND IRRIGATION SUPPLY LAYOUT PLAN, SHEET 2 OF 2**

JOB CODE  
**220109\_02**  
SHEET NUMBER  
**C063**  
REV  
**L**



CONTINUES ON SHEET C065



**SITE LOCALITY KEY**  
NOT TO SCALE

**NOTE**  
STABILISED SITE ACCESS LOCATIONS ARE TO BE DETERMINED IN ACCORDANCE WITH FIGURE SD 6-14.

**NOTE**  
SEE SHEET C066 FOR EROSION & SEDIMENT CONTROL FIGURES.

**NOTE**  
MATERIAL STOCKPILE LOCATIONS TO BE DETERMINED LOCALLY ONSITE BY THE CONTRACTOR & IN CONJUNCTION WITH WEDDIN SHIRE COUNCIL. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IN ACCORDANCE WITH FIGURES SD 4-1, SD 5-5 AND SD 6-8.

**LEGEND**

- xx — LIMIT OF CLEARING & GRADING
- □ — SEDIMENT FENCE IN ACCORDANCE WITH FIGURE SD 6-8 FROM THE LANDCOM SOILS AND CONSTRUCTION MANUAL.
- ◯ — MESH AND GRAVEL INLET FILTER IN ACCORDANCE WITH FIGURE SD 6-11 FROM THE LANDCOM SOILS AND CONSTRUCTION MANUAL.
- □ — GEOTEXTILE INLET FILTER IN ACCORDANCE WITH FIGURE SD 6-12 FROM THE LANDCOM SOILS AND CONSTRUCTION MANUAL.

**GENERAL REHABILITATION NOTES**

1. REHABILITATION SHALL BE UNDERTAKEN AS SOON AS POSSIBLE AFTER COMPLETION OF LAND SHAPING AND PREFERABLY WITHIN 7 DAYS.
2. REHABILITATION AREAS WILL BE REGULARLY MAINTAINED UNTIL EFFECTIVE COVER HAS PROPERLY ESTABLISHED. THIS WILL INCLUDE REGULAR WATERING, FERTILISING, WEED CONTROL AND RE-SEEDING/SPRIGGING AS NECESSARY.
3. TEMPORARY SOIL CONSERVATION STRUCTURES SHALL REMAIN & BE REGULARLY MAINTAINED UNTIL ALL WORK HAS BEEN COMPLETED.
4. AS MUCH VEGETATION AS POSSIBLE SHOULD BE MAINTAINED DOWN SLOPE OF "SILT" FENCES AND BELOW DISCHARGE POINTS OF TEMPORARY DIVERSION DRAINS TO ACT AS FILTER STRIPS.

**SEDIMENT CONTROL NOTES**

1. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED PRIOR TO SITE DISTURBANCE.
2. TOPSOIL FROM ALL FOOTPATH AREAS THAT WILL BE DISTURBED TO BE STRIPPED AND STOCKPILED AT THE NOMINATED SITE.
3. ALL EROSION AND SEDIMENT CONTROL STRUCTURES MUST BE INSPECTED AFTER EACH RAINFALL EVENT FOR STRUCTURAL DAMAGE AND ALL TRAPPED SEDIMENT TO BE REMOVED TO THE SOIL STOCKPILE SITE.
4. DISTURBED AREAS ARE TO BE REVEGETATED WITHIN 14 DAYS OF THE COMPLETION OF EARTHWORKS WITH THE FOLLOWING SEED & FERTILISER MIXTURE:

SPECIES	APPLICATION RATE (kg/ha)
SIROSA PHALARIS	6
HOLDFAST PHALARIS	6
AUSTRALIAN PHALARIS	6
CURRIE COCKSFOOT	6
PORTO COCKSFOOT	6
DEMETER FESCUE	6
TRIUMPH FESCUE	6
DENMARK SUBCLOVER	6
SEATON PARK SUBCLOVER	6
RED CLOVER	6
'HAIFA' WHITE CLOVER	6
OATS	20
FERTILISER - STARTER 12 OR 15	200

5. GEOTEXTILE INLET FILTERS IN ACCORDANCE WITH FIGURE SD 6-12 FROM THE LANDCOM SOILS AND CONSTRUCTION MANUAL TO BE PLACED AROUND ALL INTERNAL GRATED PITS AS WORK PROGRESSES & PITS ARE CONSTRUCTED.

**NOTES**

1. CONTOURS SHOWN ARE DESIGN SURFACE CONTOURS.
2. CONTOUR INTERVAL 0.2m.

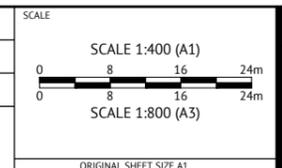
**ISSUED FOR CONSTRUCTION**

DATE	REV	DESCRIPTION	REC	APP
11/08/2021	L	CLIENT AMENDMENTS (ISLANDS AND PARKING) & ISSUED FOR APPROVAL	BW	EG
23/07/2021	K	CLIENT AMENDMENTS (BURRANGONG STREET STORMWATER AMENDED) & ISSUED FOR APPROVAL	BW	SIH
04/05/2021	J	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	BW	SIH
19/01/2021	I	CLIENT AMENDMENTS & ISSUED FOR APPROVAL & CONSTRUCTION	WM	SIH
16/11/2020	H	ISSUED FOR CONSTRUCTION	NS	SIH
09/07/2020	G	100% ISSUED FOR APPROVAL & TENDER	NS	SIH



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DESIGNED  
**NICHOLLE STEVENSON**  
CHECKED  
**EDDIE GOULD**  
PROJECT MANAGER  
**EDDIE GOULD**  
ENGINEERING CERTIFICATION



CLIENT  
**WEDDIN SHIRE COUNCIL**

PROJECT  
**GRENFELL MAIN STREET RENEWAL**

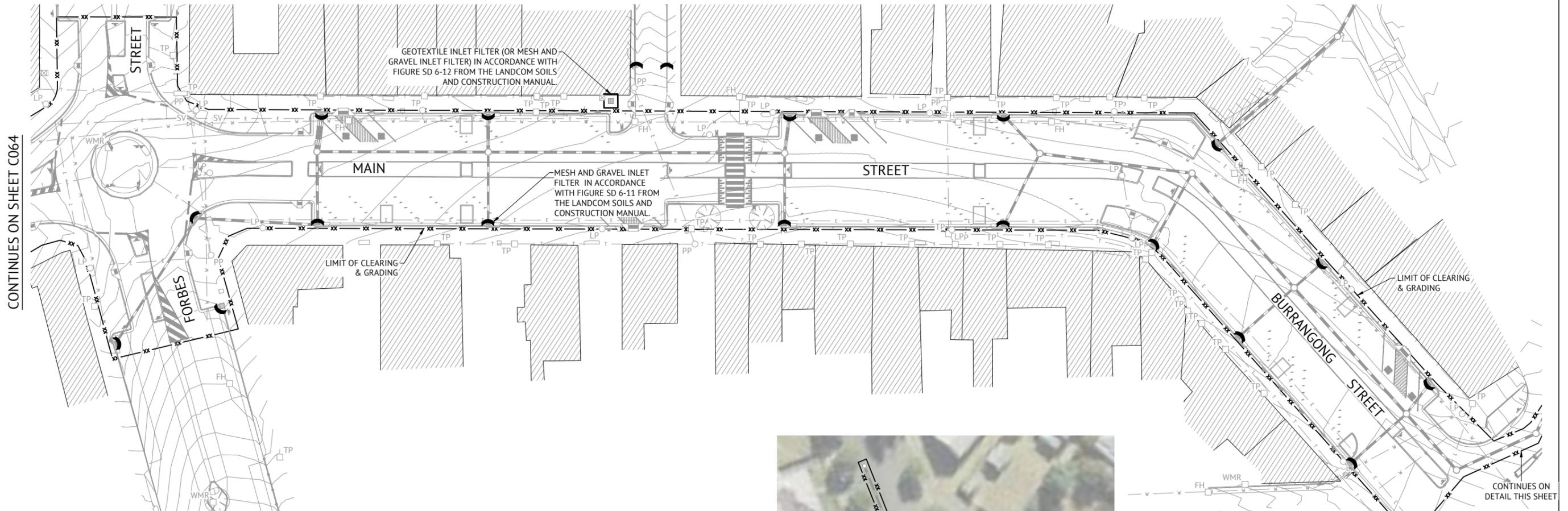
LOCATION  
**MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL**

SHEET TITLE  
**EROSION & SEDIMENT CONTROL PLAN, SHEET 1 OF 2**

JOB CODE  
**220109\_02**

SHEET NUMBER  
**C064**

REV  
**L**



**SEDIMENT CONTROL NOTES**

- ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED PRIOR TO SITE DISTURBANCE.
- TOPSOIL FROM ALL FOOTPATH AREAS THAT WILL BE DISTURBED TO BE STRIPPED AND STOCKPILED AT THE NOMINATED SITE.
- ALL EROSION AND SEDIMENT CONTROL STRUCTURES MUST BE INSPECTED AFTER EACH RAINFALL EVENT FOR STRUCTURAL DAMAGE AND ALL TRAPPED SEDIMENT TO BE REMOVED TO THE SOIL STOCKPILE SITE.
- DISTURBED AREAS ARE TO BE REVEGETATED WITHIN 14 DAYS OF THE COMPLETION OF EARTHWORKS WITH THE FOLLOWING SEED & FERTILISER MIXTURE:

SPECIES	APPLICATION RATE (kg/ha)
SIROSA PHALARIS	6
HOLDFAST PHALARIS	6
AUSTRALIAN PHALARIS	6
CURRIE COCKSFOOT	6
PORTO COCKSFOOT	6
DEMETER FESCUE	6
TRIUMPH FESCUE	6
DENMARK SUBCLOVER	6
SEATON PARK SUBCLOVER	6
RED CLOVER	6
'HAIFA' WHITE CLOVER	6
OATS	20
FERTILISER - STARTER 12 OR 15	200

- GEOTEXTILE INLET FILTERS IN ACCORDANCE WITH FIGURE SD 6-12 FROM THE LANDCOM SOILS AND CONSTRUCTION MANUAL TO BE PLACED AROUND ALL INTERNAL GRATED PITS AS WORK PROGRESSES & PITS ARE CONSTRUCTED.

**LEGEND**

- xx — LIMIT OF CLEARING & GRADING
- o — o — SEDIMENT FENCE IN ACCORDANCE WITH FIGURE SD 6-8 FROM THE LANDCOM SOILS AND CONSTRUCTION MANUAL.
- ◐ — MESH AND GRAVEL INLET FILTER IN ACCORDANCE WITH FIGURE SD 6-11 FROM THE LANDCOM SOILS AND CONSTRUCTION MANUAL.
- ◻ GEOTEXTILE INLET FILTER IN ACCORDANCE WITH FIGURE SD 6-12 FROM THE LANDCOM SOILS AND CONSTRUCTION MANUAL.

**GENERAL REHABILITATION NOTES**

- REHABILITATION SHALL BE UNDERTAKEN AS SOON AS POSSIBLE AFTER COMPLETION OF LAND SHAPING AND PREFERABLY WITHIN 7 DAYS.
- REHABILITATION AREAS WILL BE REGULARLY MAINTAINED UNTIL EFFECTIVE COVER HAS PROPERLY ESTABLISHED. THIS WILL INCLUDE REGULAR WATERING, FERTILISING, WEED CONTROL AND RE-SEEDING/SPRIGGING AS NECESSARY.
- TEMPORARY SOIL CONSERVATION STRUCTURES SHALL REMAIN & BE REGULARLY MAINTAINED UNTIL ALL WORK HAS BEEN COMPLETED.
- AS MUCH VEGETATION AS POSSIBLE SHOULD BE MAINTAINED DOWN SLOPE OF 'SILT' FENCES AND BELOW DISCHARGE POINTS OF TEMPORARY DIVERSION DRAINS TO ACT AS FILTER STRIPS.

**NOTE**

THIS PLAN IS TO BE PRINTED AND READ IN COLOUR.

**NOTE**

STABILISED SITE ACCESS LOCATIONS ARE TO BE DETERMINED IN ACCORDANCE WITH FIGURE SD 6-14.

**NOTE**

SEE SHEET C066 FOR EROSION & SEDIMENT CONTROL FIGURES.

**NOTE**

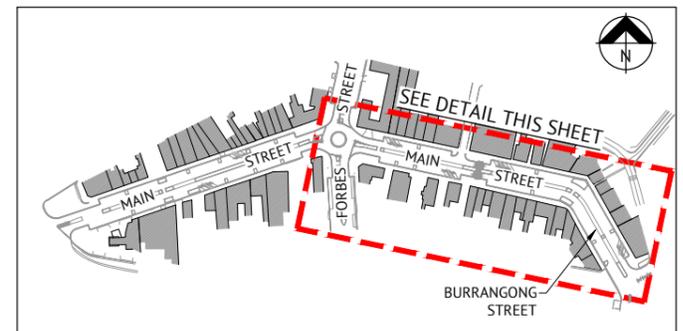
MATERIAL STOCKPILE LOCATIONS TO BE DETERMINED LOCALLY ONSITE BY THE CONTRACTOR & IN CONJUNCTION WITH WEDDIN SHIRE COUNCIL. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IN ACCORDANCE WITH FIGURES SD 4-1, SD 5-5 AND SD 6-8.



**SHORT STREET EROSION AND SEDIMENT CONTROL DETAIL**  
NOT TO SCALE

**NOTES**

- CONTOURS SHOWN ARE DESIGN SURFACE CONTOURS.
- CONTOUR INTERVAL 0.2m.



**SITE LOCALITY KEY**  
NOT TO SCALE

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**DESIGNED**  
NICHOLLE STEVENSON

**CHECKED**  
EDDIE GOULD

**PROJECT MANAGER**  
EDDIE GOULD

**ENGINEERING CERTIFICATION**

**Premise**

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**SCALE**

SCALE 1:400 (A1)

0 8 16 24m

SCALE 1:800 (A3)

0 8 16 24m

ORIGINAL SHEET SIZE A1

**CLIENT**  
WEDDIN SHIRE COUNCIL

**PROJECT**  
GRENFELL MAIN STREET RENEWAL

**LOCATION**  
MAIN STREET, FORBES STREET & BURRANGONG STREET, GRENFELL

**SHEET TITLE**  
EROSION & SEDIMENT CONTROL PLAN, SHEET 2 OF 2

**JOB CODE**  
220109\_02

**SHEET NUMBER**  
C065

**REV**  
L

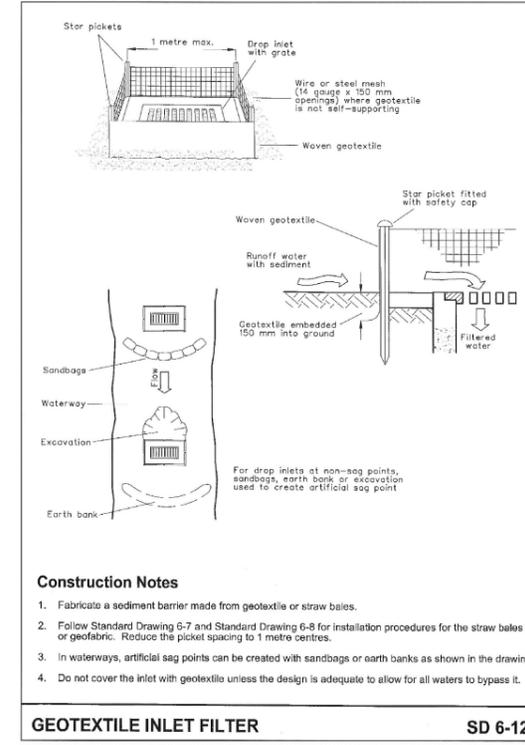
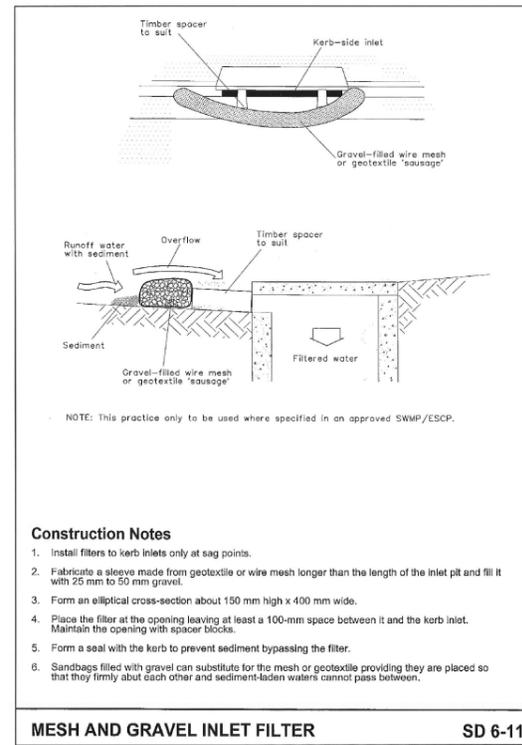
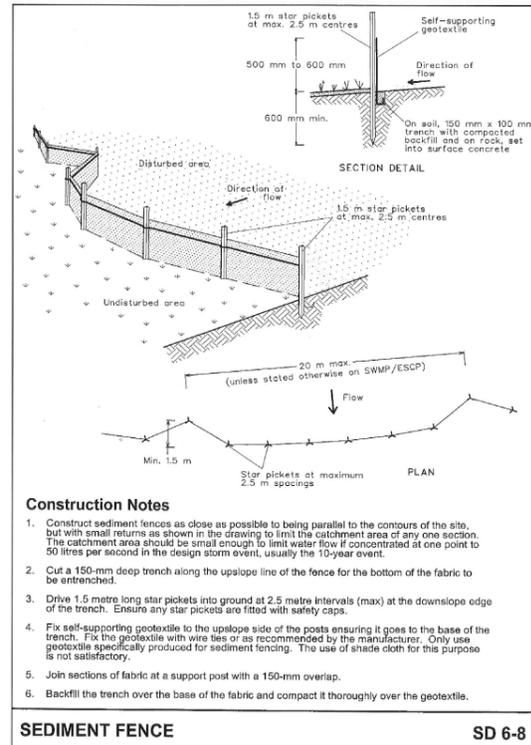


IMAGE SOURCE: LANDCOM BLUE BOOK

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DESIGNED NICHOLLE STEVENSON	SCALE          ORIGINAL SHEET SIZE A1
CHECKED EDDIE GOULD	
PROJECT MANAGER EDDIE GOULD	
ENGINEERING CERTIFICATION	

CLIENT <b>WEDDIN SHIRE COUNCIL</b>	JOB CODE <b>220109_02</b>
PROJECT <b>GRENFELL MAIN STREET RENEWAL</b>	SHEET NUMBER <b>C066</b>
LOCATION <b>MAIN STREET, FORBES STREET &amp; BURRANGONG STREET, GRENFELL</b>	REV <b>L</b>
SHEET TITLE <b>EROSION &amp; SEDIMENT CONTROL FIGURES</b>	