



**WAVERLEY TRAFFIC COMMITTEE MEETING**

**ATTACHMENTS UNDER SEPARATE COVER**

**10.00 AM, THURSDAY 24 SEPTEMBER 2020**

Waverley Council  
PO Box 9  
Bondi Junction NSW 1355  
DX 12006 Bondi Junction  
Tel. 9083 8000  
E-mail: [info@waverley.nsw.gov.au](mailto:info@waverley.nsw.gov.au)

## ATTACHMENTS UNDER SEPARATE COVER

### TC/C.01/20.09      40 km/h Speed Limit Changes - Traffic Control Devices (Group 2)

1	Tamarama Marine Drive, Tamarama (at the rear of 23 Thompson Street) - 75 mm high speed hump .	2
2	67 Watson Street, Bondi - 75 mm high speed hump .....	6
3	458 Bronte Road, Bronte - 100 mm high speed hump .....	10
4	492 Bronte Road, Bronte - 100 mm high speed hump .....	14
5	18 Brown Street, Bronte - 100 mm high speed hump .....	18
6	62 Hewlett Street, Bronte - 75 mm high speed hump .....	22
7	44 Victoria Street, Waverley - 100 mm high speed hump .....	26
8	Queens Park Road at Bourke Street, Queens Park - pedestrian refuge.....	30
9	47 York Road, Queens Park - 100 mm high speed hump.....	36
10	Dickson Street at Birrell Street, Bronte - kerb build-out.....	41
11	Dickson Street at Read Street, Bronte - 100 mm speed hump and kerb build-out .....	46
12	25 Murray Street, Bronte - 75 mm high speed hump .....	50
13	37 Murray Street, Bronte - 75 mm high speed hump .....	55
14	Lugar Street at Brae Street, Bronte - kerb build-out.....	60
15	2 Birrell Street, Bondi Junction - raised pedestrian crossing .....	65
16	67 Birrell Street, Queens Park - raised pedestrian crossing.....	70
17	Birrell Street at Henrietta Street, Waverley - raised pedestrian crossing.....	75
18	Pacific Street at Bronte Road, Bronte - splitter island .....	80
19	93 Ocean Street, Bondi - 100 mm speed hump .....	85
20	Park Parade at Birrell Street, Bondi - kerb build-outs .....	89
21	Evans Street at Brae Street, Bronte - 100 mm speed hump and kerb build-out .....	94
22	13 Sandridge Street, Bondi - 100 mm speed hump .....	99
23	Bourke Street at Bourke Lane - 75 mm speed hump and kerb build-out .....	103



FOR CONSTRUCTION

# BONDI 40KM/H PROPOSAL AT TAMARAMA MARINE DRIVE, TAMARAMA PROPOSED SPEED HUMP

## GENERAL NOTES

1. THE DESIGN DRAWINGS SHOULD BE READ IN CONJUNCTION WITH RELEVANT COUNCIL'S STANDARD DRAWINGS.
2. DURING CONSTRUCTION THE WORK IS TO BE SIGNPOSTED AND MARKED TO THE REQUIREMENTS OF AS1742.2-2009 AND AS1742.3-2009 "TRAFFIC CONTROL DEVICES FOR WORKS ON ROADS".
3. A TRAFFIC MANAGEMENT PLAN & SITE SAFETY PLAN IS TO BE SUBMITTED TO COUNCIL'S SUPERINTENDENT PRIOR TO IMPLEMENTATION.
4. SOIL AND WATER MANAGEMENT PLAN IS TO BE SUBMITTED TO COUNCIL'S PROJECT MANAGER PRIOR TO IMPLEMENTATION.
5. ALL WORK IS TO BE CARRIED OUT TO BEST PRACTICE STANDARDS AND TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
6. THE WORK SITE IS TO BE PROTECTED USING APPROPRIATE SIGNAGE, FENCING, BARRICADING, AND PARAWEBBING FOR DURATION OF PROJECT CONSTRUCTION.
7. DURING WORKS, CONTRACTOR TO INSTALL TEMPORARY SIGNS - "CHANGED TRAFFIC CONDITIONS AHEAD" ON ALL APPROACHES 75-100M IN ADVANCE OF THE WORK SITE AND MAINTAIN FOR THE DURATION OF THE WORKS.
8. ALL RESIDENTS AFFECTED BY THE PROPOSED WORKS ARE TO BE NOTIFIED AT LEAST 3 WORKING DAYS BEFORE THE COMMENCEMENT OF ROADWORKS TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
9. SUITABLE VEHICULAR ACCESS SHALL BE MAINTAINED TO EACH DRIVEWAY OR ALTERNATIVE ARRANGEMENTS MADE WITH THE OWNERS.
10. WORK TO BE CARRIED OUT WITHIN THE APPROVED HOURS ONLY.

## SERVICES

11. UTILITIES (IF SHOWN) ARE DIAGRAMMATIC ONLY AND HAVE BEEN PREPARED FROM THE INFORMATION PROVIDED BY THE RELEVANT SERVICE AUTHORITIES. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THE SERVICE AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.
12. AUSGRID REQUIRES THAT CONTRACTOR SHOULD CONTACT THEM IF WORKING WITHIN 5.0M FROM UNDERGROUND ELECTRICITY CONDUITS.
13. WHERE EXISTING SERVICE COVERS ARE NOMINATED TO BE ADJUSTED TO DESIGN LEVELS, CONTRACTOR IS TO CARRY OUT ALL WORKS IN ACCORDANCE WITH RELEVANT SERVICE AUTHORITY REQUIREMENTS.
14. NO SERVICE COVERS ARE TO BE COVERED.

## SIGNS & LINEMARKING

15. ALL TRAFFIC SIGNS TO COMPLY WITH NATSPEC 1192 & RMS SPECIFICATION R143 AND TO BE OF HIGH INTENSITY CLASS 1 REFLECTIVITY.
16. ALL LINEMARKING IS TO COMPLY WITH NATSPEC 1191 & RMS SPECIFICATION R141 - "PAVEMENT MARKING".
17. LINEMARKING TO BE IN THERMOPLASTIC TYPE (UNLESS STATED OTHERWISE) AND INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATIONS 3357 AND 3353 RESPECTIVELY. ALL RRPM'S TO COMPLY WITH RMS SPECIFICATION R142.
18. KERB FACES OF ALL ISLANDS TO BE PAINTED WHITE AND TO INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATION NO. 3353.
19. ALL LINEMARKING AND RRPM'S REMOVED OR AFFECTED DURING THE COURSE OF THE WORKS ARE TO BE REINSTATE UNLESS NOTED OTHERWISE.
20. ALL EXISTING SIGNS TO REMAIN UNLESS NOTED OTHERWISE.
21. LINEMARKING AND SIGNPOSTING TO BE INSTALLED AS SOON AS PRACTICABLE.
22. REDUNDANT LINEMARKING IS TO BE REMOVED BY GRINDING WHERE SHOWN ON PLANS OR WHERE NEW LINEMARKING IS PROVIDED.
23. ALL SIGNPOSTING ON SPLITTER, KERB OR PEDESTRIAN REFUGE ISLANDS TO BE ERECTED USING V-NOTCH INSERTS, UNLESS NOTED OTHERWISE.
24. UNLESS SHOWN ON PLANS, NO STATE SURVEY MARKS ARE TO BE REMOVED PRIOR TO CONSULTING WITH COUNCIL'S SUPERINTENDENT.
25. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.



UTILITIES, IF SHOWN, ARE DIAGRAMMATIC ONLY. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.

IN CASE OF EMERGENCY, CONTACT THE FOLLOWING UTILITIES IF THEIR SERVICES ARE INVOLVED:

TELSTRA	: 132203
AGL (GAS)	: 131245
SYDNEY WATER	: 132090
AUSGRID	: 131388

**LINEMARKING**  
ALL NEW LINEMARKING TO BE IN THERMOPLASTIC UNLESS NOTED OTHERWISE

**NOTE**  
ALL EXISTING SIGNS AND LINES TO REMAIN UNLESS NOTED OTHERWISE.

**IMPORTANT**  
REDUNDANT LINE MARKING MUST BE REMOVED BY GRINDING WHERE INDICATED ON PLANS.

## CONCRETE

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
2. CONCRETE QUALITY.

ELEMENT	SLUMP	MAX AGGREGATE SIZE	CEMENT TYPE	CEMENT GRADE
ALL	80mm	20mm	GP	25MPa

NO ADMIXTURES SHALL BE USED WITHOUT THE APPROVAL OF COUNCIL'S SUPERINTENDENT.  
CLEAR CONCRETE COVER TO REINFORCEMENT SHALL BE AS FOLLOWS UNLESS OTHERWISE SHOWN-

ELEMENT	SURFACE OF MEMBER IN INTERIOR ENVIRONMENT	SURFACE OF MEMBER IN ABOVE GROUND EXTERIOR ENVIRONMENT	SURFACE OF MEMBER IN CONTACT WITH GROUND (1)	SURFACE OF MEMBER IN WATER
ALL	35	45	55	75

**NOTE:**  
1. COVER MAY BE REDUCED BY 10mm IF THE SURFACE IS PROTECTED BY A DAMP-PROOF MEMBRANE.  
2. SLABS EXPOSED TO CORROSIVE VAPOURS, CORROSIVE GROUND WATER, SEA WATER, OR SPRAY ARE TO HAVE REINFORCEMENT COVER AS NOTED ON THE DRAWINGS.

## SIGNPOSTING SCHEDULE

SIGN NO.	QUANTITY	STEM	CONDITION	LOCATION
W3-4	2	LONG	NEW	VERGE

**NOTE:** SIGNS TO BE REMOVED ARE NOT INCLUDED IN THIS SCHEDULE.

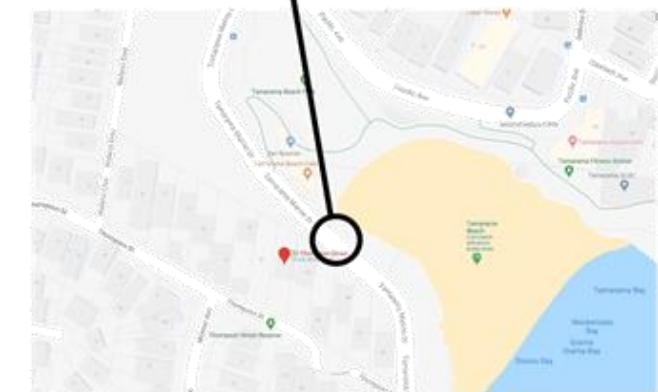
## DRAWING SCHEDULE

- 1/4 - NOTES AND SCHEDULES  
2/4 - LAYOUT PLAN  
3/4 - DETAILS  
4/4 - SIGNAGE AND LINEMARKING PLAN

## LEGEND

SYMBOLS	
	STATE SURVEY MARK
	PERMANENT SURVEY MARK
	SURVEY STATION
	DRILLED HOLE
	SURVEY NAIL
	SIGN
	SILENT COP
	COLUMN
	EXISTING SURFACE LEVEL
	BOLLARD
	HYDRANT
	POWER POLE
	LIGHT POLE
	ELECTROTY & LIGHT POLE
	ELECTROTY PILLAR
	PHONE BOOTH
	MAIL BOX
	TELECOM. SERVICE COVER
	TELECOMMUNICATION PILLAR
	RUBBISH BIN
	STORMWATER MANHOLE
	SEWER MANHOLE
	STOP VALVE
	WATER METER
	GAS VALVE
	TRAFFIC LIGHT BOX
	TRAFFIC LIGHT
	UNKNOWN SERVICE COVER
	PARKING METER
	TREE
LINE STYLES	
	FENCELINE
	WOODEN FENCE
	HAND RAIL
	GUARD RAIL
	GATE
	BOUNDARY LINE
	TOP OF BANK
	TABLE DRAIN
	EXISTING DRAINAGE LINE
	NEW DRAINAGE LINE
	HEDGE
	EDGE OF TREE CANOPY
	EDGE OF BITUMEN
	LINEMARKING (T8L1, etc)
	LINEMARKING (E1, E4, etc)

## LOCATION OF WORKS



LOCALITY PLAN  
(NTS)

CHECKED & APPROVED					
APPROVED FOR CONSTRUCTION					
AMEND	DATE	DESCRIPTION	DRAWN	APPROVED	
A	19/03/20	ISSUED FOR REVIEW	SL	CE	



WAVERLEY COUNCIL

Cnr PAUL STREET & BONDI ROAD  
BONDI JUNCTION NSW 2022  
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www.waverley.nsw.gov.au

SURVEYED	DATUM
DATE	DATUM
DESIGNED S.LUFE DATE 19/03/20	CHECKED C.ECCLES DATE 19/03/20
DRAWN S.LUFE DATE 19/03/20	X REFERENCES

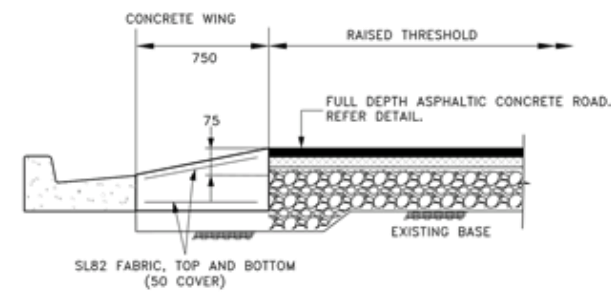
BONDI 40KM/H PROPOSAL  
AT TAMARAMA MARINE DRIVE TAMARAMA  
PROPOSED SPEED HUMP  
NOTES AND SCHEDULES

SHEET No 1 OF 4 SHEETS	PROJECT No DRAWING_NO
SCALE NTS	ISSUE No 1

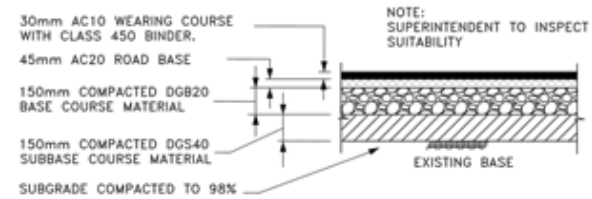


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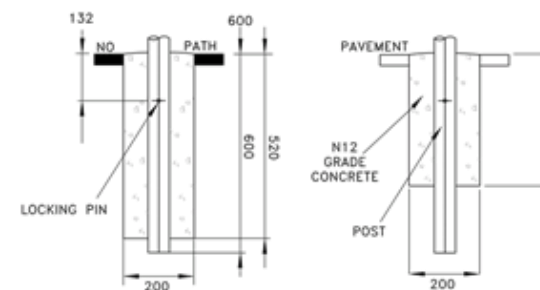
SECTION B-B  
SCALE 1:20



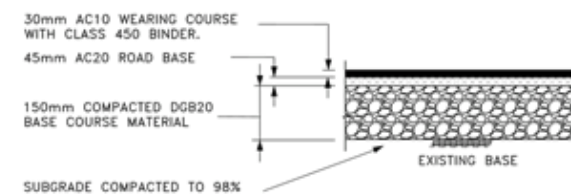
SECTION A-A  
SCALE 1:20



FULL DEPTH ASPHALT CONCRETE ROAD  
SCALE 1:20



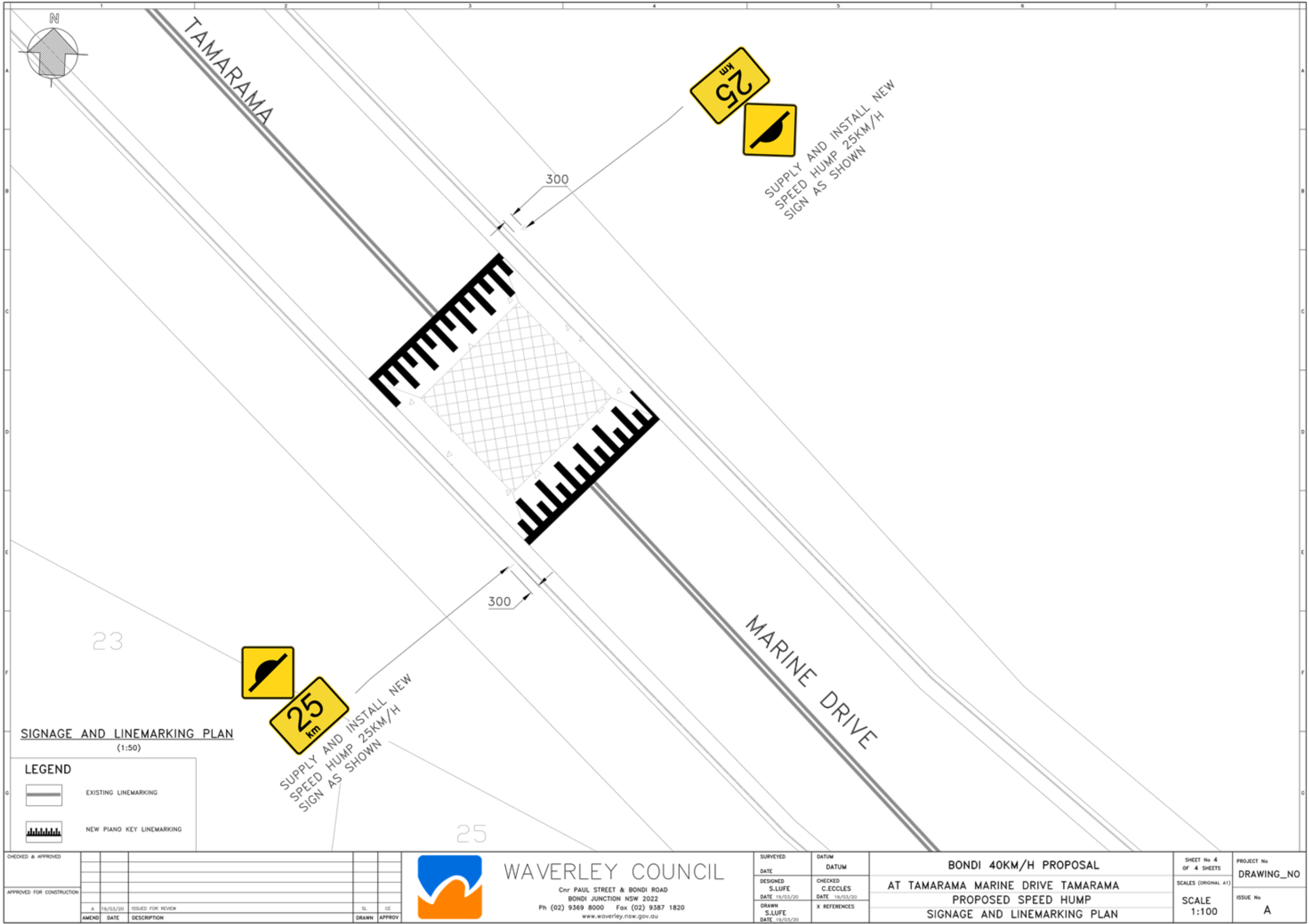
SIGNPOST FOOTING  
SCALE 1:10



ROAD RECTIFICATION  
SCALE 1:20

CHECKED & APPROVED			 <div> <p>WAVERLEY COUNCIL</p> <p>Cnr PAUL STREET &amp; BONDI ROAD              BONDI JUNCTION NSW 2022              Ph (02) 9369 8000 Fax (02) 9387 1820  <a href="http://www.waverley.nsw.gov.au">www.waverley.nsw.gov.au</a></p> </div>			SURVEYED		DATUM		<p><b>BONDI 40KM/H PROPOSAL</b></p> <p><b>AT TAMARAMA MARINE DRIVE TAMARAMA</b></p> <p><b>PROPOSED SPEED HUMP</b></p> <p><b>DETAILS PLAN</b></p>		SHEET No 3 OF 4 SHEETS		PROJECT No	
APPROVED FOR CONSTRUCTION						DESIGNED		CHECKED				SCALES (ORIGINAL A1)		DRAWING_NO	
A 19/03/20 ISSUED FOR REVIEW						DATE 19/03/20		C.ECCLES		DATE 19/03/20		SCALE		ISSUE No	
AMEND DATE DESCRIPTION						DRAWN		X REFERENCES				1:20		A	





FOR CONSTRUCTION

# BONDI 40KM/H PROPOSAL AT 67 WATSON STREET, BONDI PROPOSED SPEED HUMP

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## SIGNPOSTING SCHEDULE

SIGN NO.	QUANTITY	STEM	CONDITION	LOCATION
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NOTE: SIGNS TO BE REMOVED ARE NOT INCLUDED IN THIS SCHEDULE.

## DRAWING SCHEDULE

- 1/4 - NOTES AND SCHEDULES
- 2/4 - LAYOUT PLAN
- 3/4 - DETAILS
- 4/4 - SIGNAGE AND LINEMARKING PLAN

## LEGEND

### SYMBOLS

- STATE SURVEY MARK
- PERMANENT SURVEY MARK
- SURVEY STATION
- DRILLED HOLE
- SURVEY NAIL
- SIGN
- SAFETY COP
- COLUMN
- EXISTING SURFACE LEVEL
- BOLLARD
- HYDRANT
- POWER POLE
- LIGHT POLE
- ELECTRICITY & LIGHT POLE
- ELECTRICITY PILLAR
- PHONE BOOTH
- MAIL BOX
- TELECOM. SERVICE COVER
- TELECOMMUNICATION PILLAR
- RUBBISH BIN
- STORMWATER MANHOLE
- SEWER MANHOLE
- STOP VALVE
- WATER METER
- GAS VALVE
- TRAFFIC LIGHT BOX
- TRAFFIC LIGHT
- UNKNOWN SERVICE COVER
- PARKING METER
- TREE

### LINE STYLES

- FENCELINE
- WOODEN FENCE
- WIND RAIL
- GUARD RAIL
- GATE
- BOUNDARY LINE
- TOP OF BANK
- TABLE DRAIN
- EXISTING DRAINAGE LINE
- NEW DRAINAGE LINE
- HEDGE
- EDGE OF TREE CANOPY
- EDGE OF BITUMEN
- LINEMARKING (T1,C1, etc)
- LINEMARKING (T1,E4, etc)

LOCATION OF WORKS



LOCALITY PLAN  
(NTS)



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IN CASE OF EMERGENCY, CONTACT THE FOLLOWING UTILITIES IF THEIR SERVICES ARE INVOLVED:

TELSTRA	: 132203
AGL (GAS)	: 131245
SYDNEY WATER	: 132090
AUSGRID	: 131388

**LINEMARKING**  
ALL NEW LINEMARKING TO BE IN THERMOPLASTIC UNLESS NOTED OTHERWISE

**NOTE**  
ALL EXISTING SIGNS AND LINES TO REMAIN UNLESS NOTED OTHERWISE.

**IMPORTANT**  
REDUNDANT LINE MARKING MUST BE REMOVED BY GRINDING WHERE INDICATED ON PLANS.

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BONDI 40KM/H PROPOSAL  
AT 67 WATSON STREET BONDI  
PROPOSED SPEED HUMP  
NOTES AND SCHEDULES

SHEET No 1  
OF 4 SHEETS  
SCALE  
NTS

PROJECT No  
DRAWING\_NO  
ISSUE No  
1





The diagram illustrates the cross-section of a road construction detail. On the left, an 'EXISTING BASE' is shown. A 'ROAD RECTIFICATION, REFER TO CIVIL DETAIL' is indicated above the road surface. A 'CONCRETE RAMP' with a width of 1500 is shown, sloping upwards. A 'RAISED THRESHOLD' is located at the top of the ramp. The ramp is constructed with 'FULL DEPTH ASPHALTIC CONCRETE ROAD, REFER DETAIL.' The ramp is supported by a 'CONCRETE' base. The base is reinforced with 'SLB2 FABRIC, TOP AND BOTTOM (50 COVER)' and 'N12-200 (50 COVER) + 2 N12'. The base is shown with a '300 MIN.' width and a '300' depth. The ramp is shown with a '75' width and a '150' depth. The threshold is shown with a '300 MIN.' width and a '300' depth. The existing base is shown with a '300 MIN.' width and a '300' depth.

A cross-sectional diagram of a concrete wing and raised threshold assembly. The diagram shows a concrete wing on the left, which is 750 units wide and 75 units high. A raised threshold is shown on the right, which is 75 units high. The threshold is made of full depth asphaltic concrete road, which is 75 units thick. Below the threshold is an existing base. The diagram also shows a concrete wing with a 750 unit width and a 75 unit height. The concrete wing is made of concrete. The raised threshold is made of full depth asphaltic concrete road. The existing base is made of concrete. The diagram is labeled with dimensions and materials.

CONCRETE WING

750

75

RAISED THRESHOLD

FULL DEPTH ASPHALTIC CONCRETE ROAD. REFER DETAIL.

EXISTING BASE

SL82 FABRIC, TOP AND BOTTOM (50 COVER)

30mm AC10 WEARING COURSE WITH CLASS 450 BINDER.

45mm AC20 ROAD BASE

150mm COMPACTED DGB20 BASE COURSE MATERIAL

150mm COMPACTED DGS40 SUBBASE COURSE MATERIAL

SUBGRADE COMPACTED TO 98%

NOTE: SUPERINTENDENT TO INSPECT SUITABILITY

EXISTING BASE

30mm AC10 WEARING COURSE WITH CLASS 450 BINDER.

45mm AC20 ROAD BASE

150mm COMPACTED DG20 BASE COURSE MATERIAL

SUBGRADE COMPACTED TO 98%

EXISTING BASE

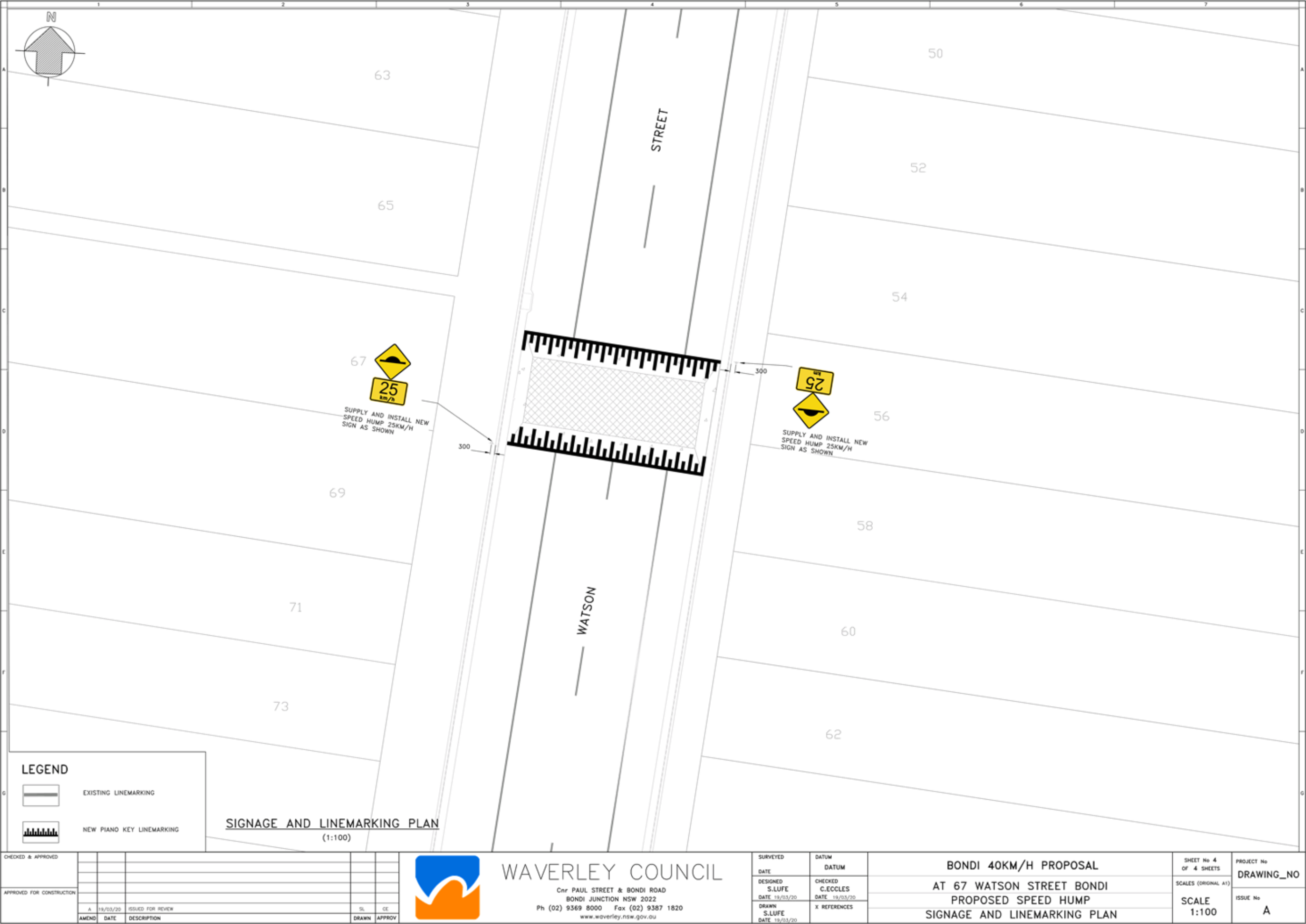
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	BONDI 40KM/H PROPOSAL
	AT 67 WATSON STREET BONDI
	PROPOSED SPEED HUMP
	DETAILS PLAN

SHEET No 3 OF 4 SHEETS	PROJECT No
SCALES (ORIGINAL A1)	DRAWING_NO
SCALE 1:20	ISSUE No A





FOR CONSTRUCTION

# BONDI 40KM/H PROPOSAL AT 458 BRONTE ROAD, BRONTE PROPOSED SPEED HUMP

## GENERAL NOTES

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10. WORK TO BE CARRIED OUT WITHIN THE APPROVED HOURS ONLY.

## SERVICES

11. UTILITIES (IF SHOWN) ARE DIAGRAMMATIC ONLY AND HAVE BEEN PREPARED FROM THE INFORMATION PROVIDED BY THE RELEVANT SERVICE AUTHORITIES. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THE SERVICE AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.
12. AUSGRID REQUIRES THAT CONTRACTOR SHOULD CONTACT THEM IF WORKING WITHIN 5.0M FROM UNDERGROUND ELECTRICITY CONDUITS.
13. WHERE EXISTING SERVICE COVERS ARE NOMINATED TO BE ADJUSTED TO DESIGN LEVELS, CONTRACTOR IS TO CARRY OUT ALL WORKS IN ACCORDANCE WITH RELEVANT SERVICE AUTHORITY REQUIREMENTS.
14. NO SERVICE COVERS ARE TO BE COVERED.

## SIGNS & LINEMARKING

15. ALL TRAFFIC SIGNS TO COMPLY WITH NATSPEC 1192 & RMS SPECIFICATION R143 AND TO BE OF HIGH INTENSITY CLASS 1 REFLECTIVITY.
16. ALL LINEMARKING IS TO COMPLY WITH NATSPEC 1191 & RMS SPECIFICATION R141 - "PAVEMENT MARKING".
17. LINEMARKING TO BE IN THERMOPLASTIC TYPE (UNLESS STATED OTHERWISE) AND INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATIONS 3357 AND 3353 RESPECTIVELY. ALL RRPMS TO COMPLY WITH RMS SPECIFICATION R142.
18. KERB FACES OF ALL ISLANDS TO BE PAINTED WHITE AND TO INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATION NO. 3353.
19. ALL LINEMARKING AND RRPMS REMOVED OR AFFECTED DURING THE COURSE OF THE WORKS ARE TO BE REINSTATED UNLESS NOTED OTHERWISE.
20. ALL EXISTING SIGNS TO REMAIN UNLESS NOTED OTHERWISE.
21. LINEMARKING AND SIGNPOSTING TO BE INSTALLED AS SOON AS PRACTICABLE.
22. REDUNDANT LINEMARKING IS TO BE REMOVED BY GRINDING WHERE SHOWN ON PLANS OR WHERE NEW LINEMARKING IS PROVIDED.
23. ALL SIGNPOSTING ON SPLITTER, KERB OR PEDESTRIAN REFUGE ISLANDS TO BE ERECTED USING V-NOTCH INSERTS, UNLESS NOTED OTHERWISE.
24. UNLESS SHOWN ON PLANS, NO STATE SURVEY MARKS ARE TO BE REMOVED PRIOR TO CONSULTING WITH COUNCIL'S SUPERINTENDENT.
25. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.

## CONCRETE

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
2. CONCRETE QUALITY.

ELEMENT	SLUMP	MAX AGGREGATE SIZE	CEMENT TYPE	CEMENT GRADE
ALL	80mm	20mm	GP	25MPa

NO ADMIXTURES SHALL BE USED WITHOUT THE APPROVAL OF COUNCIL'S SUPERINTENDENT.

3. CLEAR CONCRETE COVER TO REINFORCEMENT SHALL BE AS FOLLOWS UNLESS OTHERWISE SHOWN-

ELEMENT	SURFACE OF MEMBER IN INTERIOR ENVIRONMENT	SURFACE OF MEMBER IN ABOVE GROUND EXTERIOR ENVIRONMENT	SURFACE OF MEMBER IN CONTACT WITH GROUND (1)	SURFACE OF MEMBER IN WATER
ALL	35	45	55	75

NOTE:

1. COVER MAY BE REDUCED BY 10mm IF THE SURFACE IS PROTECTED BY A DAMP-PROOF MEMBRANE.
2. SLABS EXPOSED TO CORROSIVE VAPOURS, CORROSIVE GROUND WATER, SEA WATER, OR SPRAY ARE TO HAVE REINFORCEMENT COVER AS NOTED ON THE DRAWINGS.

## SIGNPOSTING SCHEDULE

SIGN NO.	QUANTITY	STEM	CONDITION	LOCATION
W3-4	2	LONG	NEW	VERGE

NOTE: SIGNS TO BE REMOVED ARE NOT INCLUDED IN THIS SCHEDULE.

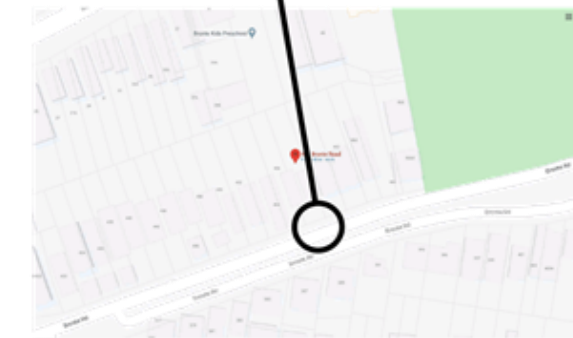
## DRAWING SCHEDULE

- 1/4 - NOTES AND SCHEDULES  
2/4 - LAYOUT PLAN  
3/4 - DETAILS  
4/4 - SIGNAGE AND LINEMARKING PLAN

## LEGEND

SYMBOLS	
	STATE SURVEY MARK
	PERMANENT SURVEY MARK
	SURVEY STATION
	DRILLED HOLE
	SURVEY NAIL
	SIGN
	SIGHT COP
	COLUMN
	EXISTING SURFACE LEVEL
	BOLLARD
	HYDRANT
	POWER POLE
	LIGHT POLE
	ELECTROTY & LIGHT POLE
	ELECTROTY PILLAR
	PHONE BOOTH
	MAIL BOX
	TELECOM. SERVICE COVER
	TELECOMMUNICATION PILLAR
	RUBBISH BIN
	STORMWATER MANHOLE
	SEWER MANHOLE
	STOP VALVE
	WATER METER
	GAS VALVE
	TRAFFIC LIGHT BOX
	TRAFFIC LIGHT
	UNKNOWN SERVICE COVER
	PARKING METER
	TREE
LINE STYLES	
	FENCELINE
	WOODEN FENCE
	HAND RAIL
	GUARD RAIL
	GATE
	BOUNDARY LINE
	TOP OF BANK
	TABLE DRAIN
	EXISTING DRAINAGE LINE
	NEW DRAINAGE LINE
	HEDGE
	EDGE OF TREE CANOPY
	EDGE OF BITUMEN
	LINEMARKING (T8,C1, W4)
	LINEMARKING (T1,E4, W4)

LOCATION OF WORKS



LOCALITY PLAN  
(NTS)



UTILITIES, IF SHOWN, ARE DIAGRAMMATIC ONLY. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.

IN CASE OF EMERGENCY, CONTACT THE FOLLOWING UTILITIES IF THEIR SERVICES ARE INVOLVED:

TELSTRA : 132203  
AGL (GAS) : 131245  
SYDNEY WATER : 132090  
AUSGRID : 131388

**LINEMARKING**  
ALL NEW LINEMARKING TO BE IN THERMOPLASTIC UNLESS NOTED OTHERWISE

**NOTE**  
ALL EXISTING SIGNS AND LINES TO REMAIN UNLESS NOTED OTHERWISE.

**IMPORTANT**  
REDUNDANT LINE MARKING MUST BE REMOVED BY GRINDING WHERE INDICATED ON PLANS.

CHECKED & APPROVED					
APPROVED FOR CONSTRUCTION					
AMEND	DATE	DESCRIPTION	DRAWN	APPROVED	
A	19/03/20	ISSUED FOR REVIEW	SL	CE	



WAVERLEY COUNCIL

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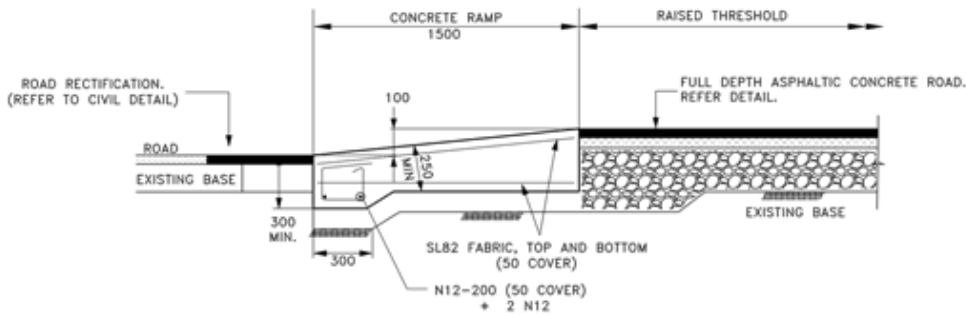
SURVEYED	DATUM
DATE	DATUM
DESIGNED	CHECKED
S.LUFE	C.ECCLES
DATE 19/03/20	DATE 19/03/20
DRAWN	X REFERENCES
S.LUFE	
DATE 19/03/20	

BONDI 40KM/H PROPOSAL  
AT 458 BRONTE ROAD BRONTE  
PROPOSED SPEED HUMP  
NOTES AND SCHEDULES

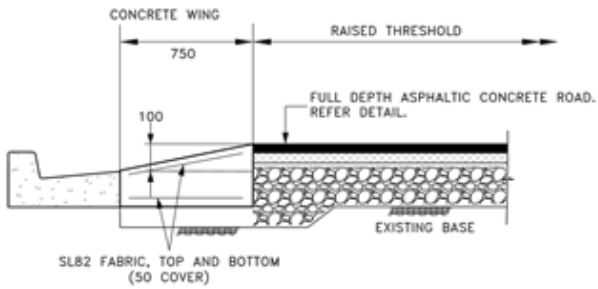
SHEET No 1 OF 4 SHEETS	PROJECT No DRAWING_NO
SCALE (ORIGINAL A1)	ISSUE No 1
SCALE NTS	



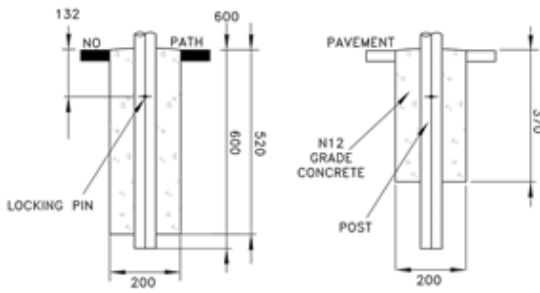
FOR CONSTRUCTION



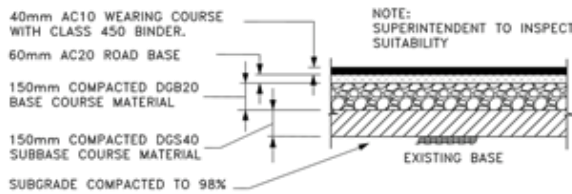
FULL DEPTH ASPHALT CROSSING WITH CONCRETE RAMPS  
SECTION B-B  
SCALE 1:20



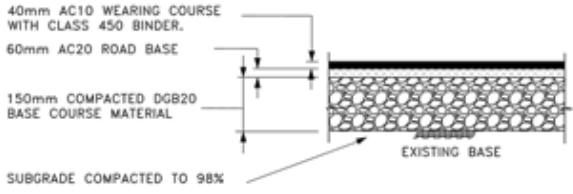
FULL DEPTH ASPHALT CROSSING WITH CONCRETE WINGS  
SECTION A-A  
SCALE 1:20



SIGNPOST FOOTING  
SCALE 1:10

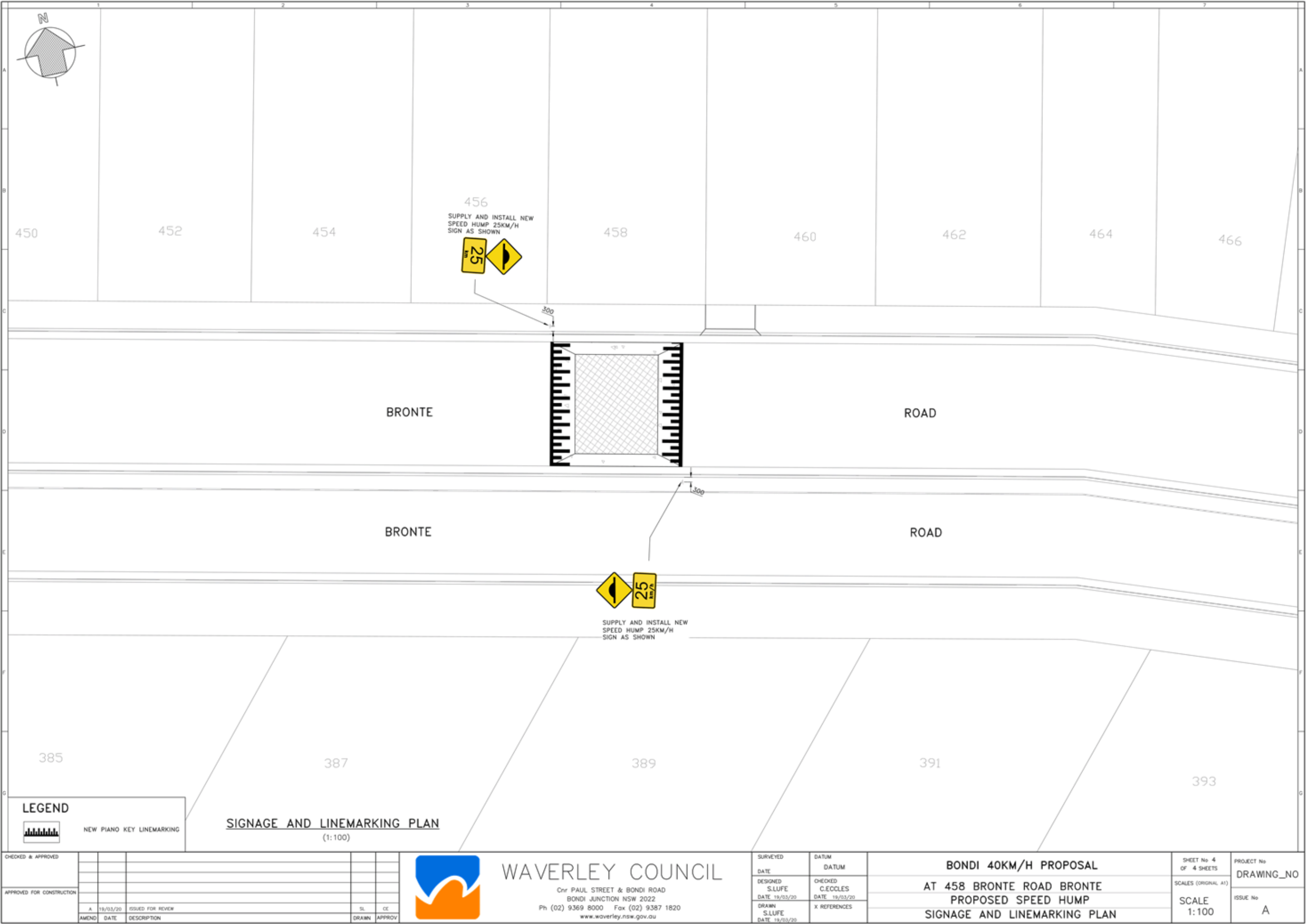


FULL DEPTH ASPHALT CONCRETE ROAD  
SCALE 1:20



ROAD RECTIFICATION  
SCALE 1:20

CHECKED & APPROVED							WAVERLEY COUNCIL Cnr PAUL STREET & BONDI ROAD BONDI JUNCTION NSW 2022 Ph (02) 9369 8000 Fax (02) 9387 1820 www.waverley.nsw.gov.au	SURVEYED		DATUM		BONDI 40KM/H PROPOSAL AT 458 BRONTE ROAD BRONTE PROPOSED SPEED HUMP DETAILS PLAN		SHEET No 3 OF 4 SHEETS		PROJECT No	
								DATE		DATUM				SCALES (ORIGINAL A1)		DRAWING_NO	
APPROVED FOR CONSTRUCTION								DESIGNED S.LUFE DATE 19/03/20		CHECKED C.ECCLES DATE 19/03/20							
								DRAWN S.LUFE DATE 19/03/20		X REFERENCES				SCALE 1:20		ISSUE No A	
AMEND		DATE		DESCRIPTION		DRAWN		APPROV									





FOR CONSTRUCTION

# BONDI 40KM/H PROPOSAL AT 492 BRONTE ROAD, BRONTE PROPOSED SPEED HUMP

## GENERAL NOTES

1. THE DESIGN DRAWINGS SHOULD BE READ IN CONJUNCTION WITH RELEVANT COUNCIL'S STANDARD DRAWINGS.
2. DURING CONSTRUCTION THE WORK IS TO BE SIGNPOSTED AND MARKED TO THE REQUIREMENTS OF AS1742.2-2009 AND AS1742.3-2009 "TRAFFIC CONTROL DEVICES FOR WORKS ON ROADS".
3. A TRAFFIC MANAGEMENT PLAN & SITE SAFETY PLAN IS TO BE SUBMITTED TO COUNCIL'S SUPERINTENDENT PRIOR TO IMPLEMENTATION.
4. SOIL AND WATER MANAGEMENT PLAN IS TO BE SUBMITTED TO COUNCIL'S PROJECT MANAGER PRIOR TO IMPLEMENTATION.
5. ALL WORK IS TO BE CARRIED OUT TO BEST PRACTICE STANDARDS AND TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
6. THE WORK SITE IS TO BE PROTECTED USING APPROPRIATE SIGNAGE, FENCING, BARRICADING, AND PARAWEBBING FOR DURATION OF PROJECT CONSTRUCTION.
7. DURING WORKS, CONTRACTOR TO INSTALL TEMPORARY SIGNS - "CHANGED TRAFFIC CONDITIONS AHEAD" ON ALL APPROACHES 75-100M IN ADVANCE OF THE WORK SITE AND MAINTAIN FOR THE DURATION OF THE WORKS.
8. ALL RESIDENTS AFFECTED BY THE PROPOSED WORKS ARE TO BE NOTIFIED AT LEAST 3 WORKING DAYS BEFORE THE COMMENCEMENT OF ROADWORKS TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
9. SUITABLE VEHICULAR ACCESS SHALL BE MAINTAINED TO EACH DRIVEWAY OR ALTERNATIVE ARRANGEMENTS MADE WITH THE OWNERS.
10. WORK TO BE CARRIED OUT WITHIN THE APPROVED HOURS ONLY.

## SERVICES

11. UTILITIES (IF SHOWN) ARE DIAGRAMMATIC ONLY AND HAVE BEEN PREPARED FROM THE INFORMATION PROVIDED BY THE RELEVANT SERVICE AUTHORITIES. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THE SERVICE AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.
12. AUSGRID REQUIRES THAT CONTRACTOR SHOULD CONTACT THEM IF WORKING WITHIN 5.0M FROM UNDERGROUND ELECTRICITY CONDUITS.
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14. NO SERVICE COVERS ARE TO BE COVERED.

## SIGNS & LINEMARKING

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16. ALL LINEMARKING IS TO COMPLY WITH NATSPEC 1191 & RMS SPECIFICATION R141 - "PAVEMENT MARKING".
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## CONCRETE

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
2. CONCRETE QUALITY.

ELEMENT	SLUMP	MAX AGGREGATE SIZE	CEMENT TYPE	CEMENT GRADE
ALL	80mm	20mm	GP	25MPa

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CLEAR CONCRETE COVER TO REINFORCEMENT SHALL BE AS FOLLOWS UNLESS OTHERWISE SHOWN:-

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ALL	35	45	55	75

NOTE:  
1. COVER MAY BE REDUCED BY 10mm IF THE SURFACE IS PROTECTED BY A DAMP-PROOF MEMBRANE.  
2. SLABS EXPOSED TO CORROSIVE VAPOURS, CORROSIVE GROUND WATER, SEA WATER, OR SPRAY ARE TO HAVE REINFORCEMENT COVER AS NOTED ON THE DRAWINGS.

## SIGNPOSTING SCHEDULE

SIGN NO.	QUANTITY	STEM	CONDITION	LOCATION
W3-4	2	LONG	NEW	VERGE

NOTE: SIGNS TO BE REMOVED ARE NOT INCLUDED IN THIS SCHEDULE.

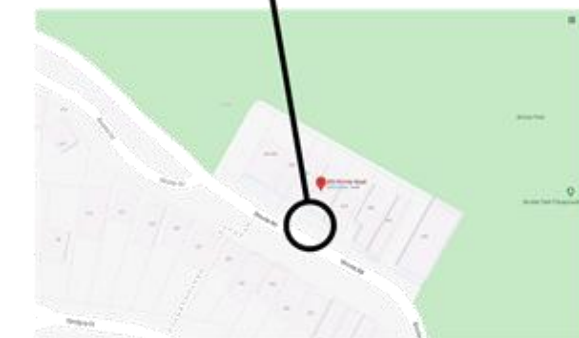
## DRAWING SCHEDULE

- 1/4 - NOTES AND SCHEDULES
- 2/4 - LAYOUT PLAN
- 3/4 - DETAILS
- 4/4 - SIGNAGE AND LINEMARKING PLAN

## LEGEND

SYMBOLS	
	STATE SURVEY MARK
	PERMANENT SURVEY MARK
	SURVEY STATION
	DRILLED HOLE
	SURVEY NAIL
	SIGN
	SILENT COP
	COLUMN
	EXISTING SURFACE LEVEL
	BOLLARD
	HYDRANT
	POWER POLE
	LIGHT POLE
	ELECTRICITY & LIGHT POLE
	ELECTRICITY POLE
	PHONE BOOTH
	WALL BOX
	TELECOMM SERVICE COVER
	TELECOMMUNICATION PILLAR
	RUBBISH BIN
	STORMWATER MANHOLE
	SEWER MANHOLE
	STOP VALVE
	WATER METER
	GAS VALVE
	TRAFFIC LIGHT BOX
	TRAFFIC LIGHT
	UNKNOWN SERVICE COVER
	PARKING METER
	TREE
LINE STYLES	
	FENCE LINE
	WOODEN FENCE
	HAND RAIL
	GUARD RAIL
	GATE
	BOUNDARY LINE
	TOP OF BANK
	TABLE DRAIN
	EXISTING DRAINAGE LINE
	NEW DRAINAGE LINE
	HEDGE
	EDGE OF TREE CANOPY
	EDGE OF BITUMEN
	LINEMARKING (75/150, etc)
	LINEMARKING (15/150, etc)

LOCATION OF WORKS



LOCALITY PLAN  
(NTS)



UTILITIES, IF SHOWN, ARE DIAGRAMMATIC ONLY. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.

IN CASE OF EMERGENCY, CONTACT THE FOLLOWING UTILITIES IF THEIR SERVICES ARE INVOLVED:

TELSTRA	: 132203
AGL (GAS)	: 131245
SYDNEY WATER	: 132090
AUSGRID	: 131388

**LINEMARKING**  
ALL NEW LINEMARKING TO BE IN THERMOPLASTIC UNLESS NOTED OTHERWISE

**NOTE**  
ALL EXISTING SIGNS AND LINES TO REMAIN UNLESS NOTED OTHERWISE.

**IMPORTANT**  
REDUNDANT LINE MARKING MUST BE REMOVED BY GRINDING WHERE INDICATED ON PLANS.

CHECKED & APPROVED					
APPROVED FOR CONSTRUCTION					
AMEND	DATE	DESCRIPTION	DRAWN	APPROVED	
A	19/03/20	ISSUED FOR REVIEW	SL	CE	



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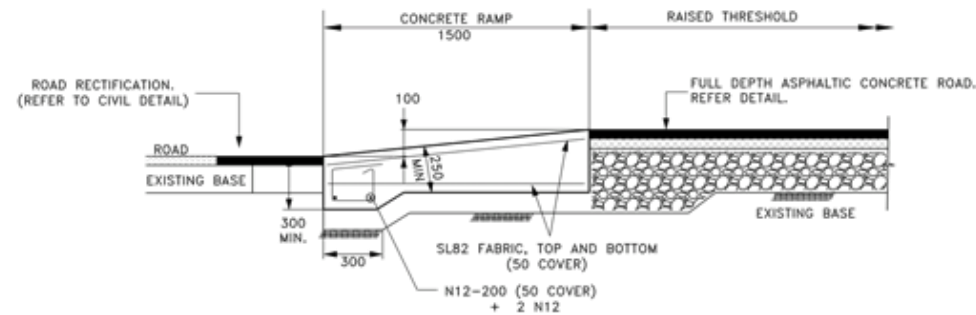
SURVEYED	DATUM
DATE	DATUM
DESIGNED S.LUFE DATE 19/03/20	CHECKED C.ECCLES DATE 19/03/20
DRAWN S.LUFE DATE 19/03/20	X REFERENCES

BONDI 40KM/H PROPOSAL  
AT 492 BRONTE ROAD BRONTE  
PROPOSED SPEED HUMP  
NOTES AND SCHEDULES

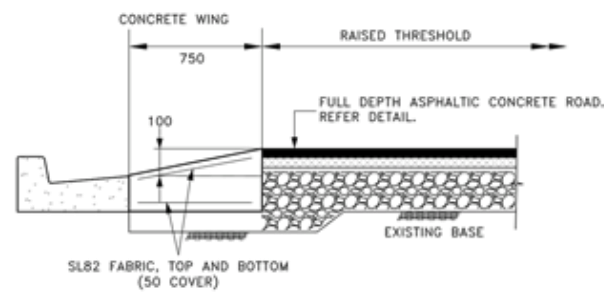
SHEET No 1 OF 4 SHEETS	PROJECT No DRAWING_NO
SCALE (ORIGINAL A1)	ISSUE No 1
SCALE NTS	



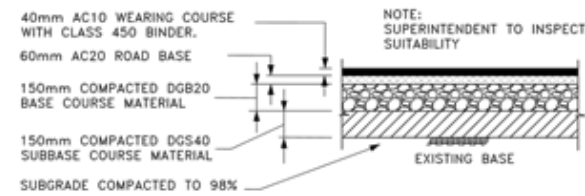
FOR CONSTRUCTION



FULL DEPTH ASPHALT CROSSING WITH CONCRETE RAMPS

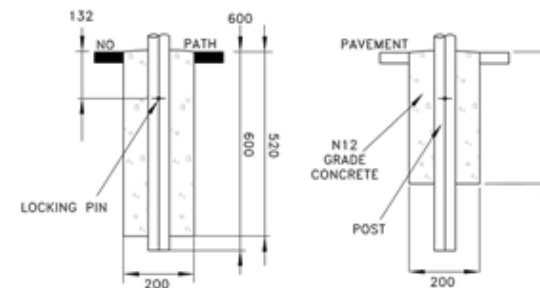
SECTION B-B  
SCALE 1:20

FULL DEPTH ASPHALT CROSSING WITH CONCRETE WINGS

SECTION A-A  
SCALE 1:20

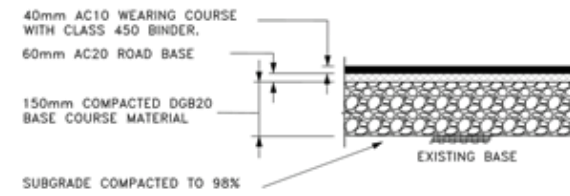
FULL DEPTH ASPHALT CONCRETE ROAD

SCALE 1:20



SIGNPOST FOOTING

SCALE 1:10



ROAD RECTIFICATION

SCALE 1:20

CHECKED & APPROVED					
APPROVED FOR CONSTRUCTION					
AMEND	DATE	DESCRIPTION	DRAWN	APPROV	
A	18/03/20	ISSUED FOR REVIEW	SL	CE	



WAVERLEY COUNCIL

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BONDI JUNCTION NSW 2022  
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SURVEYED	DATUM
DATE	DATUM
DESIGNED	CHECKED
S.LUFE	C.ECCLES
DATE 19/03/20	DATE 19/03/20
DRAWN	X REFERENCES
S.LUFE	
DATE 19/03/20	

BONDI 40KM/H PROPOSAL

AT 492 BRONTE ROAD BRONTE  
PROPOSED SPEED HUMP  
DETAILS PLAN

SHEET No 3  
OF 4 SHEETS  
SCALES (ORIGINAL A1)  
SCALE  
1:20

PROJECT No  
DRAWING\_NO  
ISSUE No  
A





FOR CONSTRUCTION

# BONDI 40KM/H PROPOSAL AT 18 BROWN STREET, BRONTE PROPOSED SPEED HUMP

## GENERAL NOTES

- THE DESIGN DRAWINGS SHOULD BE READ IN CONJUNCTION WITH RELEVANT COUNCIL'S STANDARD DRAWINGS.
- DURING CONSTRUCTION THE WORK IS TO BE SIGNPOSTED AND MARKED TO THE REQUIREMENTS OF AS1742.2-2009 AND AS1742.3-2009 "TRAFFIC CONTROL DEVICES FOR WORKS ON ROADS".
- A TRAFFIC MANAGEMENT PLAN & SITE SAFETY PLAN IS TO BE SUBMITTED TO COUNCIL'S SUPERINTENDENT PRIOR TO IMPLEMENTATION.
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- SUITABLE VEHICULAR ACCESS SHALL BE MAINTAINED TO EACH DRIVEWAY OR ALTERNATIVE ARRANGEMENTS MADE WITH THE OWNERS.
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NOTE:  
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2. SLABS EXPOSED TO CORROSIVE VAPOURS, CORROSIVE GROUND WATER, SEA WATER, OR SPRAY ARE TO HAVE REINFORCEMENT COVER AS NOTED ON THE DRAWINGS.

## SIGNPOSTING SCHEDULE

SIGN NO.	QUANTITY	STEM	CONDITION	LOCATION
WS-4	2	LONG	NEW	VERGE

NOTE: SIGNS TO BE REMOVED ARE NOT INCLUDED IN THIS SCHEDULE.

## DRAWING SCHEDULE

- 1/4 - NOTES AND SCHEDULES
- 2/4 - LAYOUT PLAN
- 3/4 - DETAILS
- 4/4 - SIGNAGE AND LINEMARKING PLAN

## LEGEND

SYMBOLS	
✱	STATE SURVEY MARK
△	PERMANENT SURVEY MARK
●	SURVEY STATION
○	DRILLED HOLE
●	SURVEY NAIL
△	SIGN
●	SILENT COP
●	COLUMN
—	EXISTING SURFACE LEVEL
■	BOLLARD
■	HYDRANT
○	POWER POLE
○	LIGHT POLE
○	ELECTRICITY & LIGHT POLE
○	ELECTRICITY PILLAR
□	PHONE BOOTH
□	MAIL BOX
□	TELECOMM. SERVICE COVER
□	TELECOMMUNICATION PILLAR
□	RUBBISH BIN
□	STORMWATER MANHOLE
□	SEWER MANHOLE
□	STOP VALVE
□	WATER METER
□	GAS VALVE
□	TRAFFIC LIGHT BOX
□	TRAFFIC LIGHT
□	UNKNOWN SERVICE COVER
□	PARKING METER
□	TREE
LINE STYLES	
—	FENCELINE
—	WOODEN FENCE
—	WIND RAIL
—	GUARD RAIL
—	GATE
—	BOUNDARY LINE
—	TOP OF BANK
—	TABLE DRAIN
—	EXISTING DRAINAGE LINE
—	NEW DRAINAGE LINE
—	HEDGE
—	EDGE OF TREE CANOPY
—	EDGE OF BITUMEN
—	LINEMARKING (180°, 45°)
—	LINEMARKING (90°, 45°)

LOCATION OF WORKS



LOCALITY PLAN  
(NTS)



UTILITIES, IF SHOWN, ARE DIAGRAMMATIC ONLY. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.

IN CASE OF EMERGENCY, CONTACT THE FOLLOWING UTILITIES IF THEIR SERVICES ARE INVOLVED:  
TELSTRA : 132203  
AGL (GAS) : 131245  
SYDNEY WATER : 132090  
AUSGRID : 131388

**LINEMARKING**  
ALL NEW LINEMARKING TO BE IN THERMOPLASTIC UNLESS NOTED OTHERWISE

**NOTE**  
ALL EXISTING SIGNS AND LINES TO REMAIN UNLESS NOTED OTHERWISE.

**IMPORTANT**  
REDUNDANT LINE MARKING MUST BE REMOVED BY GRINDING WHERE INDICATED ON PLANS.

CHECKED & APPROVED					
APPROVED FOR CONSTRUCTION					
AMEND	DATE	DESCRIPTION	DRAWN	APPROV	
A	19/03/20	ISSUED FOR REVIEW	SL	CE	



WAVERLEY COUNCIL

Cnr PAUL STREET & BONDI ROAD  
BONDI JUNCTION NSW 2022  
Ph (02) 9369 8000 Fax (02) 9387 1820  
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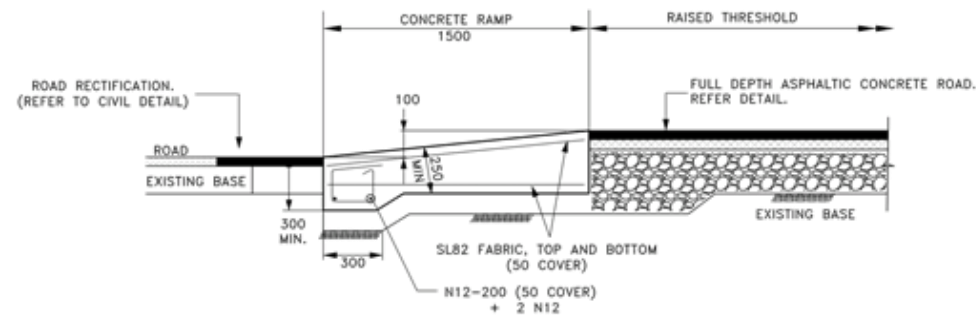
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DATE	DATUM
DESIGNED	CHECKED
S.LUFE	C.ECCLES
DATE 19/03/20	DATE 19/03/20
DRAWN	X REFERENCES
S.LUFE	
DATE 19/03/20	

BONDI 40KM/H PROPOSAL  
AT 18 BROWN STREET BRONTE  
PROPOSED SPEED HUMP  
NOTES AND SCHEDULES

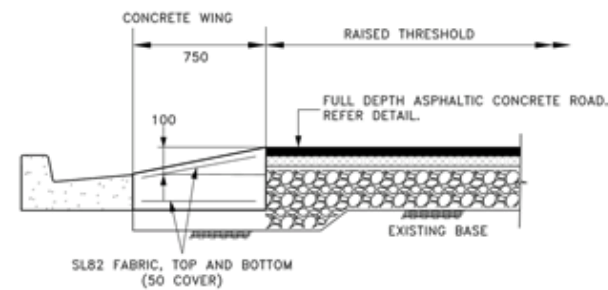
SHEET No 1 OF 4 SHEETS	PROJECT No DRAWING_NO
SCALE (ORIGINAL A1)	ISSUE No 1
SCALE NTS	



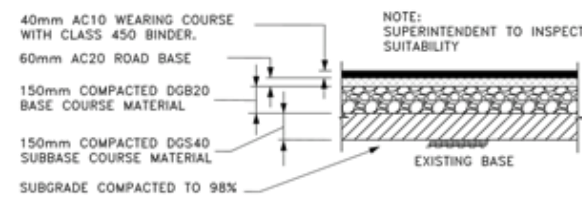
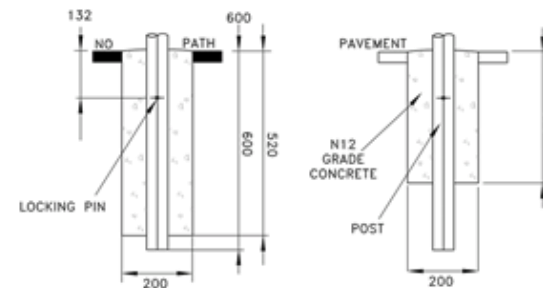
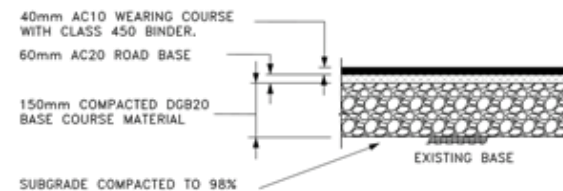
FOR CONSTRUCTION



FULL DEPTH ASPHALT CROSSING WITH CONCRETE RAMPS

SECTION B-B  
SCALE 1:20

FULL DEPTH ASPHALT CROSSING WITH CONCRETE WINGS

SECTION A-A  
SCALE 1:20FULL DEPTH ASPHALT CONCRETE ROAD  
SCALE 1:20SIGNPOST FOOTING  
SCALE 1:10ROAD RECTIFICATION  
SCALE 1:20

CHECKED & APPROVED					
APPROVED FOR CONSTRUCTION					
AMEND	DATE	DESCRIPTION	DRAWN	APPROV	
A	19/03/20	ISSUED FOR REVIEW	SL	CE	



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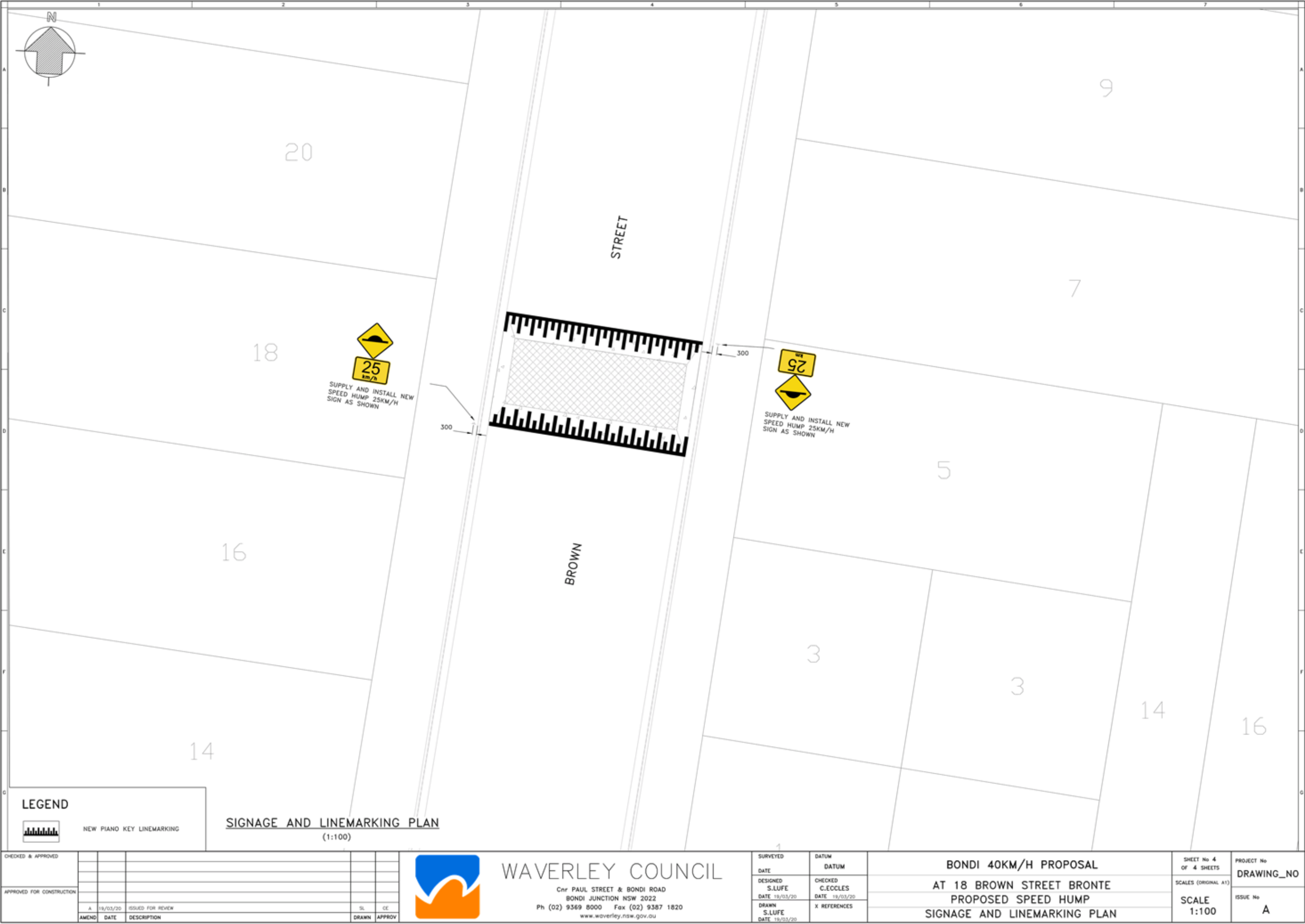
SURVEYED	DATUM
DATE	DATUM
DESIGNED	CHECKED
S.LUFE	C.ECCLES
DATE 19/03/20	DATE 19/03/20
DRAWN	X REFERENCES
S.LUFE	
DATE 19/03/20	

BONDI 40KM/H PROPOSAL

AT 18 BROWN STREET BRONTE  
PROPOSED SPEED HUMP  
DETAILS PLAN

SHEET No 3 OF 4 SHEETS	PROJECT No DRAWING_NO
SCALES (ORIGINAL A1)	ISSUE No 1
SCALE	





FOR CONSTRUCTION

# BONDI 40KM/H PROPOSAL AT 62 HEWLETT STREET, BRONTE PROPOSED SPEED HUMP

## GENERAL NOTES

1. THE DESIGN DRAWINGS SHOULD BE READ IN CONJUNCTION WITH RELEVANT COUNCIL'S STANDARD DRAWINGS.
2. DURING CONSTRUCTION THE WORK IS TO BE SIGNPOSTED AND MARKED TO THE REQUIREMENTS OF AS1742.2-2009 AND AS1742.3-2009 "TRAFFIC CONTROL DEVICES FOR WORKS ON ROADS".
3. A TRAFFIC MANAGEMENT PLAN & SITE SAFETY PLAN IS TO BE SUBMITTED TO COUNCIL'S SUPERINTENDENT PRIOR TO IMPLEMENTATION.
4. SOIL AND WATER MANAGEMENT PLAN IS TO BE SUBMITTED TO COUNCIL'S PROJECT MANAGER PRIOR TO IMPLEMENTATION.
5. ALL WORK IS TO BE CARRIED OUT TO BEST PRACTICE STANDARDS AND TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
6. THE WORK SITE IS TO BE PROTECTED USING APPROPRIATE SIGNAGE, FENCING, BARRICADING, AND PARAWEBBING FOR DURATION OF PROJECT CONSTRUCTION.
7. DURING WORKS, CONTRACTOR TO INSTALL TEMPORARY SIGNS - "CHANGED TRAFFIC CONDITIONS AHEAD" ON ALL APPROACHES 75-100M IN ADVANCE OF THE WORK SITE AND MAINTAIN FOR THE DURATION OF THE WORKS.
8. ALL RESIDENTS AFFECTED BY THE PROPOSED WORKS ARE TO BE NOTIFIED AT LEAST 3 WORKING DAYS BEFORE THE COMMENCEMENT OF ROADWORKS TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
9. SUITABLE VEHICULAR ACCESS SHALL BE MAINTAINED TO EACH DRIVEWAY OR ALTERNATIVE ARRANGEMENTS MADE WITH THE OWNERS.
10. WORK TO BE CARRIED OUT WITHIN THE APPROVED HOURS ONLY.

## SERVICES

11. UTILITIES (IF SHOWN) ARE DIAGRAMMATIC ONLY AND HAVE BEEN PREPARED FROM THE INFORMATION PROVIDED BY THE RELEVANT SERVICE AUTHORITIES. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THE SERVICE AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.
12. AUSGRID REQUIRES THAT CONTRACTOR SHOULD CONTACT THEM IF WORKING WITHIN 5.0M FROM UNDERGROUND ELECTRICITY CONDUITS.
13. WHERE EXISTING SERVICE COVERS ARE NOMINATED TO BE ADJUSTED TO DESIGN LEVELS, CONTRACTOR IS TO CARRY OUT ALL WORKS IN ACCORDANCE WITH RELEVANT SERVICE AUTHORITY REQUIREMENTS.
14. NO SERVICE COVERS ARE TO BE COVERED.

## SIGNS & LITEMARKING

15. ALL TRAFFIC SIGNS TO COMPLY WITH NATSPEC 1192 & RMS SPECIFICATION R143 AND TO BE OF HIGH INTENSITY CLASS 1 REFLECTIVITY.
16. ALL LITEMARKING IS TO COMPLY WITH NATSPEC 1191 & RMS SPECIFICATION R141 - "PAVEMENT MARKING".
17. LITEMARKING TO BE IN THERMOPLASTIC TYPE (UNLESS STATED OTHERWISE) AND INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATIONS 3357 AND 3353 RESPECTIVELY. ALL RRPMS TO COMPLY WITH RMS SPECIFICATION R142.
18. KERB FACES OF ALL ISLANDS TO BE PAINTED WHITE AND TO INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATION NO. 3353.
19. ALL LITEMARKING AND RRPMS REMOVED OR AFFECTED DURING THE COURSE OF THE WORKS ARE TO BE REINSTATED UNLESS NOTED OTHERWISE.
20. ALL EXISTING SIGNS TO REMAIN UNLESS NOTED OTHERWISE.
21. LITEMARKING AND SIGNPOSTING TO BE INSTALLED AS SOON AS PRACTICABLE.
22. REDUNDANT LITEMARKING IS TO BE REMOVED BY GRINDING WHERE SHOWN ON PLANS OR WHERE NEW LITEMARKING IS PROVIDED.
23. ALL SIGNPOSTING ON SPLITTER, KERB OR PEDESTRIAN REFUGE ISLANDS TO BE ERECTED USING V-NOTCH INSERTS, UNLESS NOTED OTHERWISE.
24. UNLESS SHOWN ON PLANS, NO STATE SURVEY MARKS ARE TO BE REMOVED PRIOR TO CONSULTING WITH COUNCIL'S SUPERINTENDENT.
25. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.

## CONCRETE

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
2. CONCRETE QUALITY.

ELEMENT	SLUMP	MAX AGGREGATE SIZE	CEMENT TYPE	CEMENT GRADE
ALL	80mm	20mm	GP	25MPa

3. NO ADMIXTURES SHALL BE USED WITHOUT THE APPROVAL OF COUNCIL'S SUPERINTENDENT.
4. CLEAR CONCRETE COVER TO REINFORCEMENT SHALL BE AS FOLLOWS UNLESS OTHERWISE SHOWN-

ELEMENT	SURFACE OF MEMBER IN INTERIOR ENVIRONMENT	SURFACE OF MEMBER IN ABOVE GROUND EXTERIOR ENVIRONMENT	SURFACE OF MEMBER IN CONTACT WITH GROUND (1)	SURFACE OF MEMBER IN WATER
ALL	35	45	55	75

- NOTE:
1. COVER MAY BE REDUCED BY 10mm IF THE SURFACE IS PROTECTED BY A DAMP-PROOF MEMBRANE.
  2. SLABS EXPOSED TO CORROSIVE VAPOURS, CORROSIVE GROUND WATER, SEA WATER, OR SPRAY ARE TO HAVE REINFORCEMENT COVER AS NOTED ON THE DRAWINGS.

## SIGNPOSTING SCHEDULE

SIGN NO.	QUANTITY	STEM	CONDITION	LOCATION
W3-4	2	LONG	NEW	VERGE

NOTE: SIGNS TO BE REMOVED ARE NOT INCLUDED IN THIS SCHEDULE.

4. SIZES OF CONCRETE ELEMENTS DO NOT INCLUDE THICKNESS OF APPLIED FINISHES.
5. CONSTRUCTION JOINTS WHERE NOT SHOWN SHALL BE LOCATED TO THE APPROVAL OF COUNCIL'S SUPERINTENDENT.
6. NO HOLES OR CHASES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT THE PRIOR APPROVAL OF COUNCIL'S SUPERINTENDENT.
7. WELDING OF REINFORCEMENT WILL NOT BE PERMITTED UNLESS SHOWN ON THE STRUCTURAL DRAWINGS.
8. PIPES OR CONDUITS SHALL NOT BE PLACED WITHIN THE CONCRETE COVER TO REINFORCEMENT WITHOUT THE APPROVAL OF COUNCIL'S SUPERINTENDENT. THE CONCRETE COVER TO EMBEDDED PIPES OR CONDUITS SHALL BE A MINIMUM OF 20mm.
9. ALL REINFORCEMENT FABRIC SHALL COMPLY WITH AS 1303 AND AS 1304 AND SHALL BE SUPPLIED AS FLAT SHEETS.
10. ALL CONCRETE TO BE MECHANICALLY VIBRATED IN FORM TO GIVE MAXIMUM COMPACTION WITHOUT SEGREGATION OF CONCRETE.
11. PROVIDE 20mm CHAMFER TO ALL EXPOSED EDGES U.N.O.

## DRAWING SCHEDULE

- 1/4 - NOTES AND SCHEDULES
- 2/4 - LAYOUT PLAN
- 3/4 - DETAILS
- 4/4 - SIGNAGE AND LITEMARKING PLAN

## LEGEND

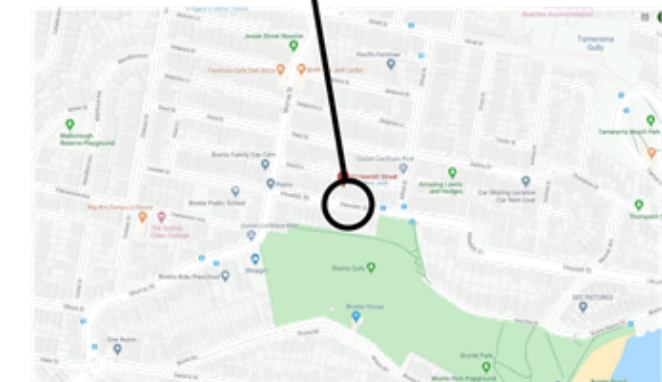
### SYMBOLS

- STATE SURVEY MARK
- PERMANENT SURVEY MARK
- SURVEY STATION
- DRILLED HOLE
- SURVEY NAIL
- SIGN
- SILENT COP
- COLUMN
- EXISTING SURFACE LEVEL
- BOLLARD
- HYDRANT
- POWER POLE
- LIGHT POLE
- ELECTRICITY & LIGHT POLE
- ELECTRICITY PILLAR
- PHONE BOOTH
- MAIL BOX
- TELECOMM. SERVICE COVER
- TELECOMMUNICATION PILLAR
- RUBBISH BIN
- STORMWATER MANHOLE
- SEWER MANHOLE
- STOP VALVE
- WATER METER
- GAS VALVE
- TRAFFIC LIGHT BOX
- TRAFFIC LIGHT
- UNKNOWN SERVICE COVER
- PARKING METER
- TREE

### LINE STYLES

- FENCELINE
- WOODEN FENCE
- HAND RAIL
- GUARD RAIL
- GATE
- BOUNDARY LINE
- TOP OF BANK
- TABLE DRAIN
- EXISTING DRAINAGE LINE
- NEW DRAINAGE LINE
- HEDGE
- EDGE OF TREE CANOPY
- EDGE OF BITUMEN
- LITEMARKING (TBLCT, etc)
- LITEMARKING (ET, EA, etc)

## LOCATION OF WORKS



## LOCALITY PLAN

(NTS)



UTILITIES, IF SHOWN, ARE DIAGRAMMATIC ONLY. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.

IN CASE OF EMERGENCY, CONTACT THE FOLLOWING UTILITIES IF THEIR SERVICES ARE INVOLVED:

TELSTRA : 132203  
AGL (GAS) : 131245  
SYDNEY WATER : 132090  
AUSGRID : 131388

**LITEMARKING**  
ALL NEW LITEMARKING TO BE IN THERMOPLASTIC UNLESS NOTED OTHERWISE

**NOTE**  
ALL EXISTING SIGNS AND LINES TO REMAIN UNLESS NOTED OTHERWISE.

**IMPORTANT**  
REDUNDANT LITEMARKING MUST BE REMOVED BY GRINDING WHERE INDICATED ON PLANS.

CHECKED & APPROVED					
APPROVED FOR CONSTRUCTION					
AMEND	DATE	DESCRIPTION	DRAWN	APPROV	
A	19/03/20	ISSUED FOR REVIEW	SL	CE	



WAVERLEY COUNCIL

Cnr PAUL STREET & BONDI ROAD  
BONDI JUNCTION NSW 2022  
Ph (02) 9369 8000 Fax (02) 9387 1820  
www.waverley.nsw.gov.au

SURVEYED	DATUM
DATE	DATUM
DESIGNED	CHECKED
S.L.U.F.E	C.E.C.C.L.E.S
DATE 19/03/20	DATE 19/03/20
DRAWN	X REFERENCES
S.L.U.F.E	
DATE 19/03/20	

BONDI 40KM/H PROPOSAL  
AT 62 HEWLETT STREET BRONTE  
PROPOSED SPEED HUMP  
NOTES AND SCHEDULES

SHEET No 1 OF 4 SHEETS	PROJECT No DRAWING_NO
SCALE (ORIGINAL A1)	ISSUE No 1
SCALE NTS	





ROAD RECTIFICATION, REFER TO CIVIL DETAIL

CONCRETE RAMP 1500

RAISED THRESHOLD

FULL DEPTH ASPHALTIC CONCRETE ROAD, REFER DETAIL.

EXISTING BASE

EXISTING BASE

SL82 FABRIC, TOP AND BOTTOM (50 COVER)

N12-200 (50 COVER) + 2 N12

75

250

300 MIN.

300

A cross-sectional diagram of a concrete wing and raised threshold assembly. The concrete wing on the left has a width of 750 and a height of 75. It is reinforced with SL82 fabric, top and bottom, with a 50% cover. The wing is adjacent to a raised threshold. The threshold is composed of a full depth asphaltic concrete road layer, which is 100 thick, and an existing base layer, which is 100 thick. The total thickness of the threshold is 200. The diagram is labeled with dimensions and material specifications.

CONCRETE WING

750

75

RAISED THRESHOLD

FULL DEPTH ASPHALTIC CONCRETE ROAD. REFER DETAIL.

100

100

EXISTING BASE

SL82 FABRIC, TOP AND BOTTOM (50 COVER)

30mm AC10 WEARING COURSE WITH CLASS 450 BINDER.

45mm AC20 ROAD BASE

150mm COMPACTED DGB20 BASE COURSE MATERIAL

150mm COMPACTED DGS40 SUBBASE COURSE MATERIAL

SUBGRADE COMPACTED TO 98%

NOTE: SUPERINTENDENT TO INSPECT SUITABILITY

EXISTING BASE

Subgrade

30mm AC10 WEARING COURSE WITH CLASS 450 BINDER,  
45mm AC20 ROAD BASE

150mm COMPACTED DGB20  
BASE COURSE MATERIAL

SUBGRADE COMPACTED TO 98%

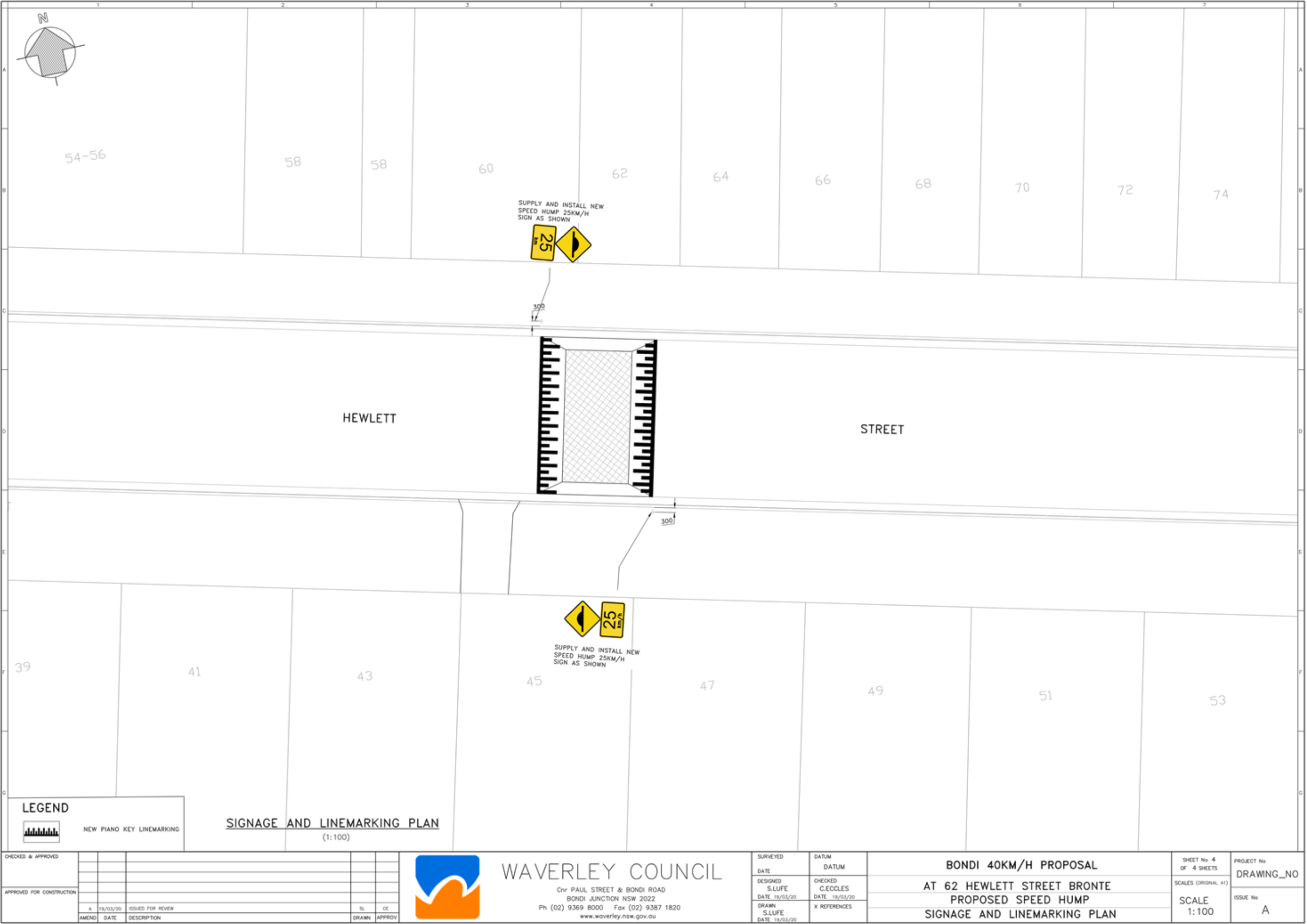
EXISTING BASE

CHECKED & APPROVED					
APPROVED FOR CONSTRUCTION					
	A	18/03/20	ISSUED FOR REVIEW	SL	CE
	AMEND	DATE	DESCRIPTION	DRAWN	APPROVED



Waverley Council  
Cnr PAUL STREET & BONDI ROAD  
BONDI JUNCTION NSW 2022  
Ph (02) 9369 8000 Fax (02) 9387 1820  
[www.waverley.nsw.gov.au](http://www.waverley.nsw.gov.au)

SURVEYED DATE	DATUM DATUM	<p align="center"><b>BONDI 40KM/H PROPOSAL</b></p> <p align="center"><b>AT 62 HEWLETT STREET BRONTE</b></p> <p align="center"><b>PROPOSED SPEED HUMP</b></p> <p align="center"><b>DETAILS PLAN</b></p>	SHEET No 3 OF 4 SHEETS	PROJECT No <b>DRAWING_NO</b>
DESIGNED S.LUFE DATE 19/03/20	CHECKED C.ECCLES DATE 19/03/20		SCALES (ORIGINAL A1)	
DRAWN S.LUFE DATE 19/03/20	X REFERENCES		SCALE 1:20	ISSUE No <b>A</b>





FOR CONSTRUCTION

# BONDI 40KM/H PROPOSAL AT 44 VICTORIA STREET, WAVERLEY PROPOSED SPEED HUMP

## GENERAL NOTES

1. THE DESIGN DRAWINGS SHOULD BE READ IN CONJUNCTION WITH RELEVANT COUNCIL'S STANDARD DRAWINGS.
2. DURING CONSTRUCTION THE WORK IS TO BE SIGNPOSTED AND MARKED TO THE REQUIREMENTS OF AS1742.2-2009 AND AS1742.3-2009 "TRAFFIC CONTROL DEVICES FOR WORKS ON ROADS".
3. A TRAFFIC MANAGEMENT PLAN & SITE SAFETY PLAN IS TO BE SUBMITTED TO COUNCIL'S SUPERINTENDENT PRIOR TO IMPLEMENTATION.
4. SOIL AND WATER MANAGEMENT PLAN IS TO BE SUBMITTED TO COUNCIL'S PROJECT MANAGER PRIOR TO IMPLEMENTATION.
5. ALL WORK IS TO BE CARRIED OUT TO BEST PRACTICE STANDARDS AND TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
6. THE WORK SITE IS TO BE PROTECTED USING APPROPRIATE SIGNAGE, FENCING, BARRICADING, AND PARAWEBBING FOR DURATION OF PROJECT CONSTRUCTION.
7. DURING WORKS, CONTRACTOR TO INSTALL TEMPORARY SIGNS - "CHANGED TRAFFIC CONDITIONS AHEAD" ON ALL APPROACHES 75-100M IN ADVANCE OF THE WORK SITE AND MAINTAIN FOR THE DURATION OF THE WORKS.
8. ALL RESIDENTS AFFECTED BY THE PROPOSED WORKS ARE TO BE NOTIFIED AT LEAST 3 WORKING DAYS BEFORE THE COMMENCEMENT OF ROADWORKS TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
9. SUITABLE VEHICULAR ACCESS SHALL BE MAINTAINED TO EACH DRIVEWAY OR ALTERNATIVE ARRANGEMENTS MADE WITH THE OWNERS.
10. WORK TO BE CARRIED OUT WITHIN THE APPROVED HOURS ONLY.

## SERVICES

11. UTILITIES (IF SHOWN) ARE DIAGRAMMATIC ONLY AND HAVE BEEN PREPARED FROM THE INFORMATION PROVIDED BY THE RELEVANT SERVICE AUTHORITIES. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THE SERVICE AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.
12. AUSGRID REQUIRES THAT CONTRACTOR SHOULD CONTACT THEM IF WORKING WITHIN 5.0M FROM UNDERGROUND ELECTRICITY CONDUITS.
13. WHERE EXISTING SERVICE COVERS ARE NOMINATED TO BE ADJUSTED TO DESIGN LEVELS, CONTRACTOR IS TO CARRY OUT ALL WORKS IN ACCORDANCE WITH RELEVANT SERVICE AUTHORITY REQUIREMENTS.
14. NO SERVICE COVERS ARE TO BE COVERED.

## SIGNS & LINEMARKING

15. ALL TRAFFIC SIGNS TO COMPLY WITH NATSPEC 1192 & RMS SPECIFICATION R143 AND TO BE OF HIGH INTENSITY CLASS 1 REFLECTIVITY.
16. ALL LINEMARKING IS TO COMPLY WITH NATSPEC 1191 & RMS SPECIFICATION R141 - "PAVEMENT MARKING".
17. LINEMARKING TO BE IN THERMOPLASTIC TYPE (UNLESS STATED OTHERWISE) AND INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATIONS 3357 AND 3353 RESPECTIVELY. ALL RRP'S TO COMPLY WITH RMS SPECIFICATION R142.
18. KERB FACES OF ALL ISLANDS TO BE PAINTED WHITE AND TO INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATION NO. 3353.
19. ALL LINEMARKING AND RRP'S REMOVED OR AFFECTED DURING THE COURSE OF THE WORKS ARE TO BE REINSTATED UNLESS NOTED OTHERWISE.
20. ALL EXISTING SIGNS TO REMAIN UNLESS NOTED OTHERWISE.
21. LINEMARKING AND SIGNPOSTING TO BE INSTALLED AS SOON AS PRACTICABLE.
22. REDUNDANT LINEMARKING IS TO BE REMOVED BY GRINDING WHERE SHOWN ON PLANS OR WHERE NEW LINEMARKING IS PROVIDED.
23. ALL SIGNPOSTING ON SPLITTER, KERB OR PEDESTRIAN REFUGE ISLANDS TO BE ERECTED USING V-NOTCH INSERTS, UNLESS NOTED OTHERWISE.
24. UNLESS SHOWN ON PLANS, NO STATE SURVEY MARKS ARE TO BE REMOVED PRIOR TO CONSULTING WITH COUNCIL'S SUPERINTENDENT.
25. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.

## CONCRETE

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
2. CONCRETE QUALITY.

ELEMENT	SLUMP	MAX AGGREGATE SIZE	CEMENT TYPE	CEMENT GRADE
ALL	80mm	20mm	GP	25MPa

NO ADMIXTURES SHALL BE USED WITHOUT THE APPROVAL OF COUNCIL'S SUPERINTENDENT.

3. CLEAR CONCRETE COVER TO REINFORCEMENT SHALL BE AS FOLLOWS UNLESS OTHERWISE SHOWN-

ELEMENT	SURFACE OF MEMBER IN INTERIOR ENVIRONMENT	SURFACE OF MEMBER IN ABOVE GROUND EXTERIOR ENVIRONMENT	SURFACE OF MEMBER IN CONTACT WITH GROUND (1)	SURFACE OF MEMBER IN WATER
ALL	35	45	55	75

NOTE:  
1. COVER MAY BE REDUCED BY 10mm IF THE SURFACE IS PROTECTED BY A DAMP-PROOF MEMBRANE.  
2. SLABS EXPOSED TO CORROSIVE VAPOURS, CORROSIVE GROUND WATER, SEA WATER, OR SPRAY ARE TO HAVE REINFORCEMENT COVER AS NOTED ON THE DRAWINGS.

## SIGNPOSTING SCHEDULE

SIGN NO.	QUANTITY	STEM	CONDITION	LOCATION
W3-4	2	LONG	NEW	VERGE

NOTE: SIGNS TO BE REMOVED ARE NOT INCLUDED IN THIS SCHEDULE.

4. SIZES OF CONCRETE ELEMENTS DO NOT INCLUDE THICKNESS OF APPLIED FINISHES.
5. CONSTRUCTION JOINTS WHERE NOT SHOWN SHALL BE LOCATED TO THE APPROVAL OF COUNCIL'S SUPERINTENDENT.
6. NO HOLES OR CHASES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT THE PRIOR APPROVAL OF COUNCIL'S SUPERINTENDENT.
7. WELDING OF REINFORCEMENT WILL NOT BE PERMITTED UNLESS SHOWN ON THE STRUCTURAL DRAWINGS.
8. PIPES OR CONDUITS SHALL NOT BE PLACED WITHIN THE CONCRETE COVER TO REINFORCEMENT WITHOUT THE APPROVAL OF COUNCIL'S SUPERINTENDENT. THE CONCRETE COVER TO EMBEDDED PIPES OR CONDUITS SHALL BE A MINIMUM OF 20mm.
9. ALL REINFORCEMENT FABRIC SHALL COMPLY WITH AS 1303 AND AS 1304 AND SHALL BE SUPPLIED AS FLAT SHEETS.
10. ALL CONCRETE TO BE MECHANICALLY VIBRATED IN FORM TO GIVE MAXIMUM COMPACTION WITHOUT SEGREGATION OF CONCRETE.
11. PROVIDE 20mm CHAMFER TO ALL EXPOSED EDGES U.N.O.

## DRAWING SCHEDULE

- 1/4 - NOTES AND SCHEDULES
- 2/4 - LAYOUT PLAN
- 3/4 - DETAILS
- 4/4 - SIGNAGE AND LINEMARKING PLAN

## LEGEND

### SYMBOLS

- STATE SURVEY MARK
- PERMANENT SURVEY MARK
- SURVEY STATION
- DRILLED HOLE
- SURVEY NAIL
- SIGN
- SILENT COP
- COLUMN
- EXISTING SURFACE LEVEL
- BOLLARD
- HYDRANT
- POWER POLE
- LIGHT POLE
- ELECTRICITY & LIGHT POLE
- ELECTRICITY PILLAR
- PHONE BOOTH
- MAIL BOX
- TELECOMM. SERVICE COVER
- TELECOMMUNICATION PILLAR
- RUBBISH BIN
- STORMWATER MANHOLE
- SEWER MANHOLE
- STOP VALVE
- WATER METER
- GAS VALVE
- TRAFFIC LIGHT BOX
- TRAFFIC LIGHT
- UNKNOWN SERVICE COVER
- PARKING METER
- TREE

### LINE STYLES

- FENCELINE
- WOODEN FENCE
- HAND RAIL
- GUARD RAIL
- GATE
- BOUNDARY LINE
- TOP OF BANK
- TABLE DRAIN
- EXISTING DRAINAGE LINE
- NEW DRAINAGE LINE
- HEDGE
- EDGE OF TREE CANOPY
- EDGE OF BITUMEN
- UNMARKING (TOLC1, etc)
- UNMARKING (T1, E4, etc)

## LOCATION OF WORKS



## LOCALITY PLAN

(NTS)



UTILITIES, IF SHOWN, ARE DIAGRAMMATIC ONLY. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.

IN CASE OF EMERGENCY, CONTACT THE FOLLOWING UTILITIES IF THEIR SERVICES ARE INVOLVED:

- TELSTRA : 132203
- AGL (GAS) : 131245
- SYDNEY WATER : 132090
- AUSGRID : 131388

## LINEMARKING

ALL NEW LINEMARKING TO BE IN THERMOPLASTIC UNLESS NOTED OTHERWISE

## NOTE

ALL EXISTING SIGNS AND LINES TO REMAIN UNLESS NOTED OTHERWISE.

## IMPORTANT

REDUNDANT LINE MARKING MUST BE REMOVED BY GRINDING WHERE INDICATED ON PLANS.

CHECKED &amp; APPROVED

APPROVED FOR CONSTRUCTION

A 19/03/20 ISSUED FOR REVIEW

AMEND DATE DESCRIPTION

SL CE  
DRAWN APPROV



WAVERLEY COUNCIL

Cnr PAUL STREET & BONDI ROAD  
BONDI JUNCTION NSW 2022  
Ph (02) 9369 8000 Fax (02) 9387 1820  
www.waverley.nsw.gov.au

SURVEYED

DATE

DESIGNED

S.LUFE

DATE 19/03/20

DRAWN

S.LUFE

DATE 19/03/20

DATUM

DATUM

CHECKED

C.ECCLES

DATE 19/03/20

X REFERENCES

BONDI 40KM/H PROPOSAL

AT 44 VICTORIA STREET WAVERLEY  
PROPOSED SPEED HUMP  
NOTES AND SCHEDULES

SHEET No 1  
OF 4 SHEETS

SCALE (ORIGINAL A1)

SCALE

NTS

PROJECT No

DRAWING\_NO

ISSUE No

1



ROAD RECTIFICATION.  
(REFER TO CIVIL DETAIL)

CONCRETE RAMP  
1500

RAISED THRESHOLD

100

300 MIN.

300

150

MIN.

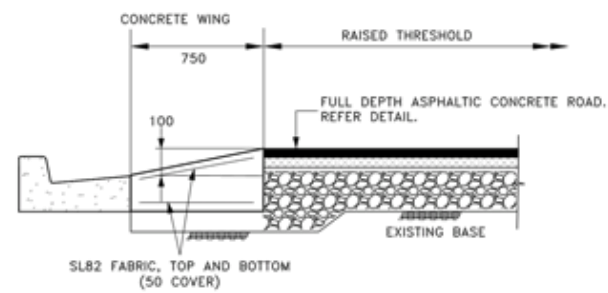
SL82 FABRIC, TOP AND BOTTOM  
(50 COVER)

N12-200 (50 COVER)  
+ 2 N12

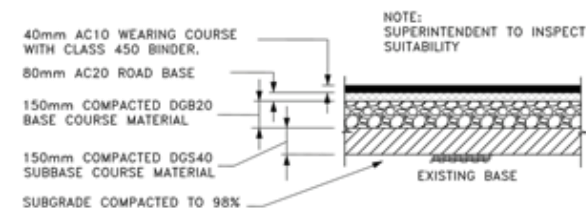
FULL DEPTH ASPHALTIC CONCRETE ROAD.  
REFER DETAIL.

EXISTING BASE

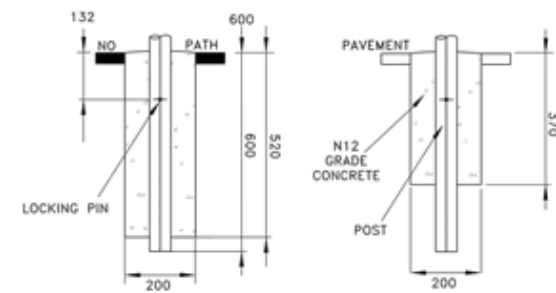
SECTION B-B  
SCALE 1:20



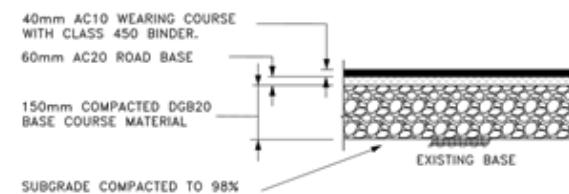
SECTION A-A  
SCALE 1:20



FULL DEPTH ASPHALT CONCRETE ROAD  
SCALE 1:20



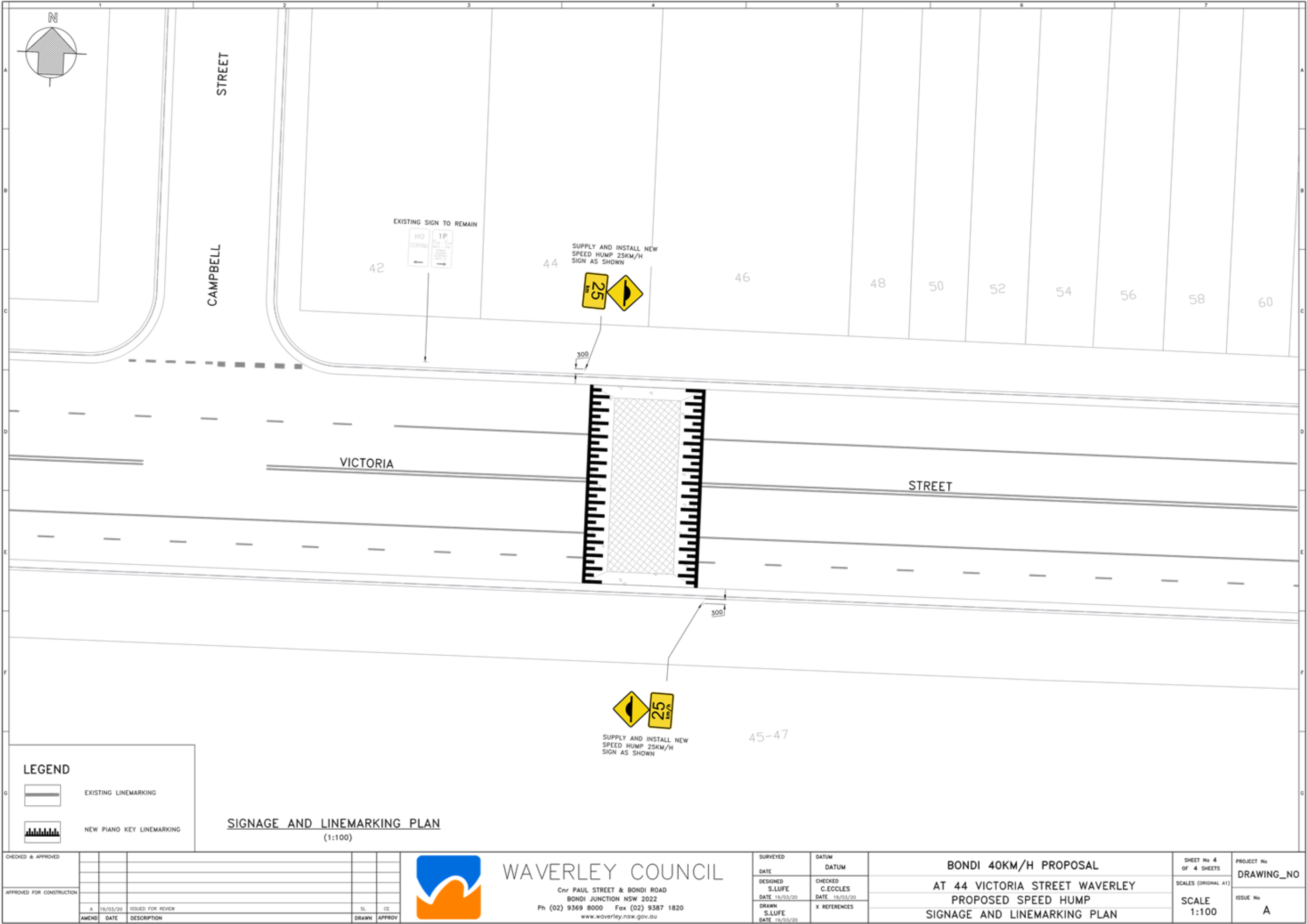
SIGNPOST FOOTING  
SCALE 1:10



ROAD RECTIFICATION  
SCALE 1:20

[illegible]





ISSUED FOR REVIEW

# WAVERLEY COUNCIL 40KM/H PROPOSAL QUEENS PARK RD & BOURKE ST INTERSECTION, QUEENS PARK PROPOSED PEDESTRIAN REFUGE

## GENERAL NOTES

1. THE DESIGN DRAWINGS SHOULD BE READ IN CONJUNCTION WITH RELEVANT WAVERLEY COUNCIL STANDARD DRAWINGS.
2. DURING CONSTRUCTION THE WORK IS TO BE SIGNPOSTED AND MARKED TO THE REQUIREMENTS OF AS1742.2-2009 AND AS1742.3-2009 "TRAFFIC CONTROL DEVICES FOR WORKS ON ROADS".
3. A TRAFFIC CONTROL PLAN IS TO BE SUBMITTED TO COUNCIL'S PROJECT MANAGER PRIOR TO WORKS. WORKS CAN NOT CONTINUE WITHOUT TCP APPROVAL.
4. SOIL AND WATER MANAGEMENT PLAN IS TO BE SUBMITTED TO COUNCIL'S PROJECT MANAGER FOR APPROVAL PRIOR TO WORKS AND IS TO BE IN ACCORDANCE WITH AUSPEC 1102 & COUNCIL'S ENVIRONMENT MANAGEMENT SYSTEM.
5. ALL WORK IS TO BE CARRIED OUT TO BEST PRACTICE STANDARDS AND TO THE SATISFACTION OF COUNCIL'S PROJECT MANAGER.
6. THE WORK SITE IS TO BE PROTECTED USING APPROPRIATE SIGNAGE, FENCING, BARRICADING, AND PARAWEBBING FOR DURATION OF PROJECT.
7. WHERE TRAFFIC CONDITIONS HAVE CHANGED DUE TO WORKS, CONTRACTOR TO INSTALL TEMPORARY SIGNS IN ACCORDANCE WITH APPROVED TCP AND MAINTAIN FOR DURATION OF WORKS.
8. ALL RESIDENTS AFFECTED BY THE PROPOSED WORKS ARE TO BE NOTIFIED BY THE CONTRACTOR AT LEAST 3 WORKING DAYS BEFORE THE COMMENCEMENT OF ROADWORKS TO THE SATISFACTION OF COUNCIL'S PROJECT MANAGER.
9. SUITABLE VEHICULAR ACCESS SHALL BE MAINTAINED TO EACH DRIVEWAY OR ALTERNATIVE ARRANGEMENTS MADE WITH THE OWNERS.
10. WORK TO BE CARRIED OUT WITHIN THE APPROVED HOURS ONLY.

## SERVICES

11. UTILITIES (IF SHOWN) ARE DIAGRAMMATIC ONLY AND HAVE BEEN PREPARED FROM THE INFORMATION PROVIDED BY THE RELEVANT SERVICE AUTHORITIES. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THE SERVICE AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.
12. AUSGRID REQUIRES THAT CONTRACTOR SHOULD CONTACT THEM IF WORKING WITHIN 5.0M FROM UNDERGROUND ELECTRICITY CONDUITS.
13. WHERE EXISTING SERVICE COVERS ARE NOMINATED TO BE ADJUSTED TO DESIGN LEVELS, CONTRACTOR IS TO CARRY OUT ALL WORKS IN ACCORDANCE WITH RELEVANT SERVICE AUTHORITY REQUIREMENTS.
14. NO SERVICE COVERS ARE TO BE COVERED.

## SIGNS & LINEMARKING

15. ALL TRAFFIC SIGNS TO COMPLY WITH NATSPEC 1192 & RMS SPECIFICATION R143 AND TO BE OF HIGH INTENSITY CLASS 1 REFLECTIVITY.
16. ALL LINEMARKING IS TO COMPLY WITH NATSPEC 1191 & RMS SPECIFICATION R141 - "PAVEMENT MARKING".
17. LINEMARKING TO BE IN THERMOPLASTIC TYPE (UNLESS STATED OTHERWISE) AND INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATIONS 3357 AND 3353 RESPECTIVELY. ALL RRPMS TO COMPLY WITH RMS SPECIFICATION R142.
18. KERB FACES OF ALL ISLANDS TO BE PAINTED WHITE AND TO INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATION NO. 3353.
19. ALL LINEMARKING AND RRPMS REMOVED OR AFFECTED DURING THE COURSE OF THE WORKS ARE TO BE REINSTATED UNLESS NOTED OTHERWISE.
20. ALL EXISTING SIGNS TO REMAIN UNLESS NOTED OTHERWISE.
21. LINEMARKING AND SIGNPOSTING TO BE INSTALLED AS SOON AS PRACTICABLE.
22. REDUNDANT LINEMARKING IS TO BE REMOVED BY GRINDING WHERE SHOWN ON PLANS OR WHERE NEW LINEMARKING IS PROVIDED.
23. ALL SIGNPOSTING ON SPLITTER, KERB OR PEDESTRIAN REFUGE ISLANDS TO BE ERECTED USING V-NOTCH INSERTS, UNLESS NOTED OTHERWISE.
24. UNLESS SHOWN ON PLANS, NO STATE SURVEY MARKS ARE TO BE REMOVED PRIOR TO CONSULTING WITH COUNCIL'S SUPERINTENDENT.
25. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.



UTILITIES, IF SHOWN, ARE DIAGRAMMATIC ONLY. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.

IN CASE OF EMERGENCY, CONTACT THE FOLLOWING UTILITIES IF THEIR SERVICES ARE INVOLVED:

TELSTRA	: 132203
AGL (GAS)	: 131245
SYDNEY WATER	: 132090
AUSGRID	: 131388

**LINEMARKING**  
ALL NEW LINEMARKING TO BE IN THERMOPLASTIC UNLESS NOTED OTHERWISE

**NOTE**  
ALL EXISTING SIGNS AND LINES TO REMAIN UNLESS NOTED OTHERWISE.

**IMPORTANT**  
REDUNDANT LINE MARKING MUST BE REMOVED BY GRINDING WHERE INDICATED ON PLANS.

## CONCRETE

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
2. CONCRETE QUALITY.

ELEMENT	SLUMP	MAX AGGREGATE SIZE	CEMENT TYPE	CEMENT GRADE
ALL	80mm	20mm	GP	25MPa

NO ADMIXTURES SHALL BE USED WITHOUT THE APPROVAL OF COUNCIL'S SUPERINTENDENT.

3. CLEAR CONCRETE COVER TO REINFORCEMENT SHALL BE AS FOLLOWS UNLESS OTHERWISE SHOWN--

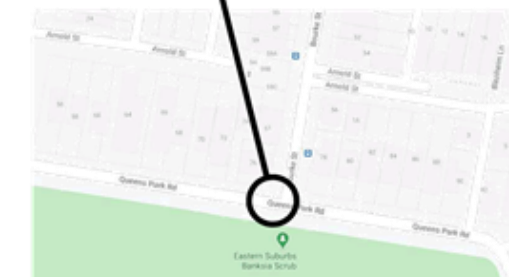
ELEMENT	SURFACE OF MEMBER IN INTERIOR ENVIRONMENT	SURFACE OF MEMBER IN ABOVE GROUND EXTERIOR ENVIRONMENT	SURFACE OF MEMBER IN CONTACT WITH GROUND (1)	SURFACE OF MEMBER IN WATER
ALL	35	45	55	75

**NOTE:**  
1. COVER MAY BE REDUCED BY 10mm IF THE SURFACE IS PROTECTED BY A DAMP-PROOF MEMBRANE.  
2. SLABS EXPOSED TO CORROSIVE VAPOURS, CORROSIVE GROUND WATER, SEA WATER, OR SPRAY ARE TO HAVE REINFORCEMENT COVER AS NOTED ON THE DRAWINGS.

## DRAWING SCHEDULE

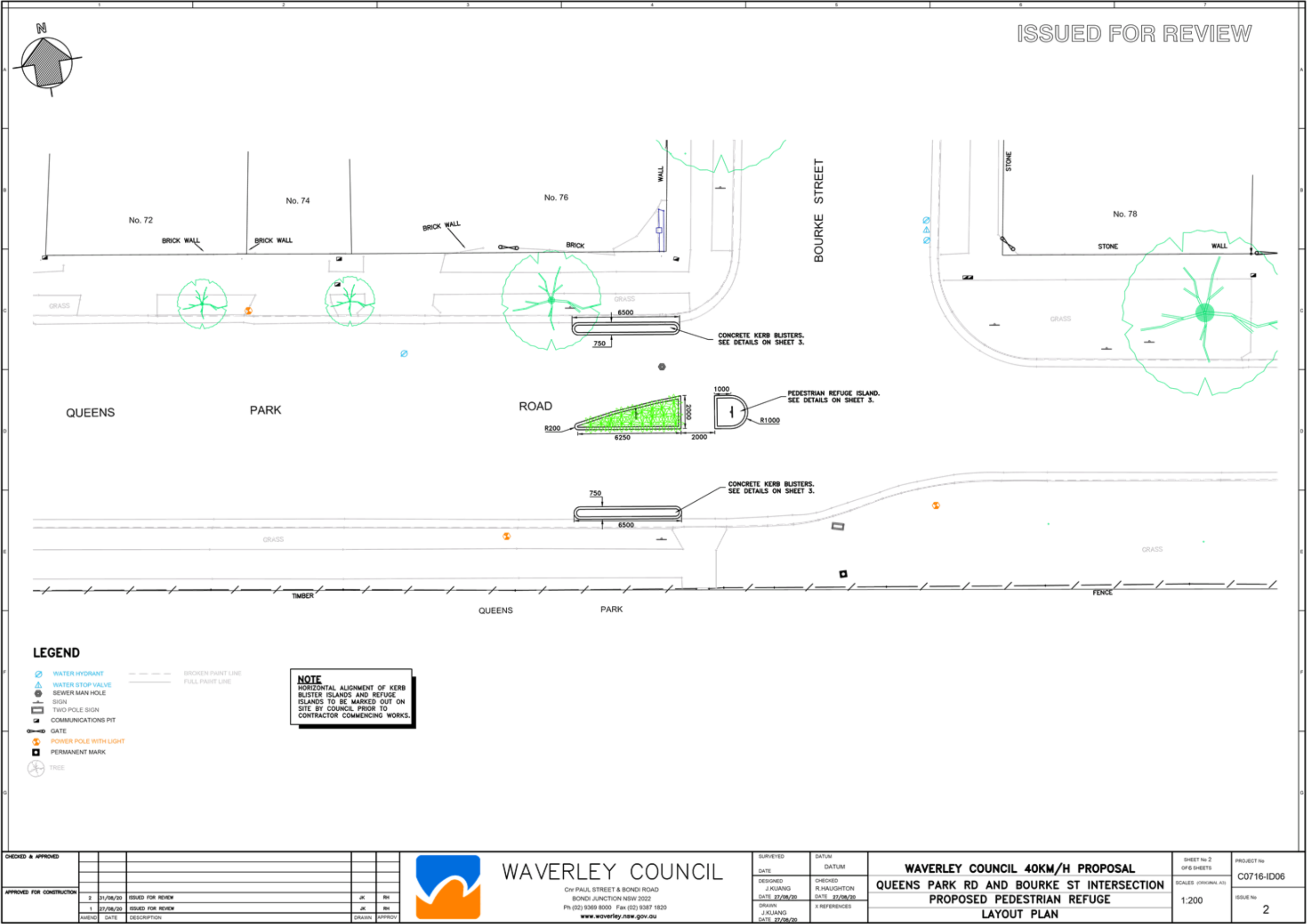
- 1/6 - NOTES AND SCHEDULES
- 2/6 - LAYOUT PLAN
- 3/6 - DETAILS SHEET
- 4/6 - SIGNAGE AND LINEMARKING PLAN
- 5/6 - SERVICES PLAN
- 6/6 - VEHICLE SWEEP PATHS

## LOCATION OF WORKS

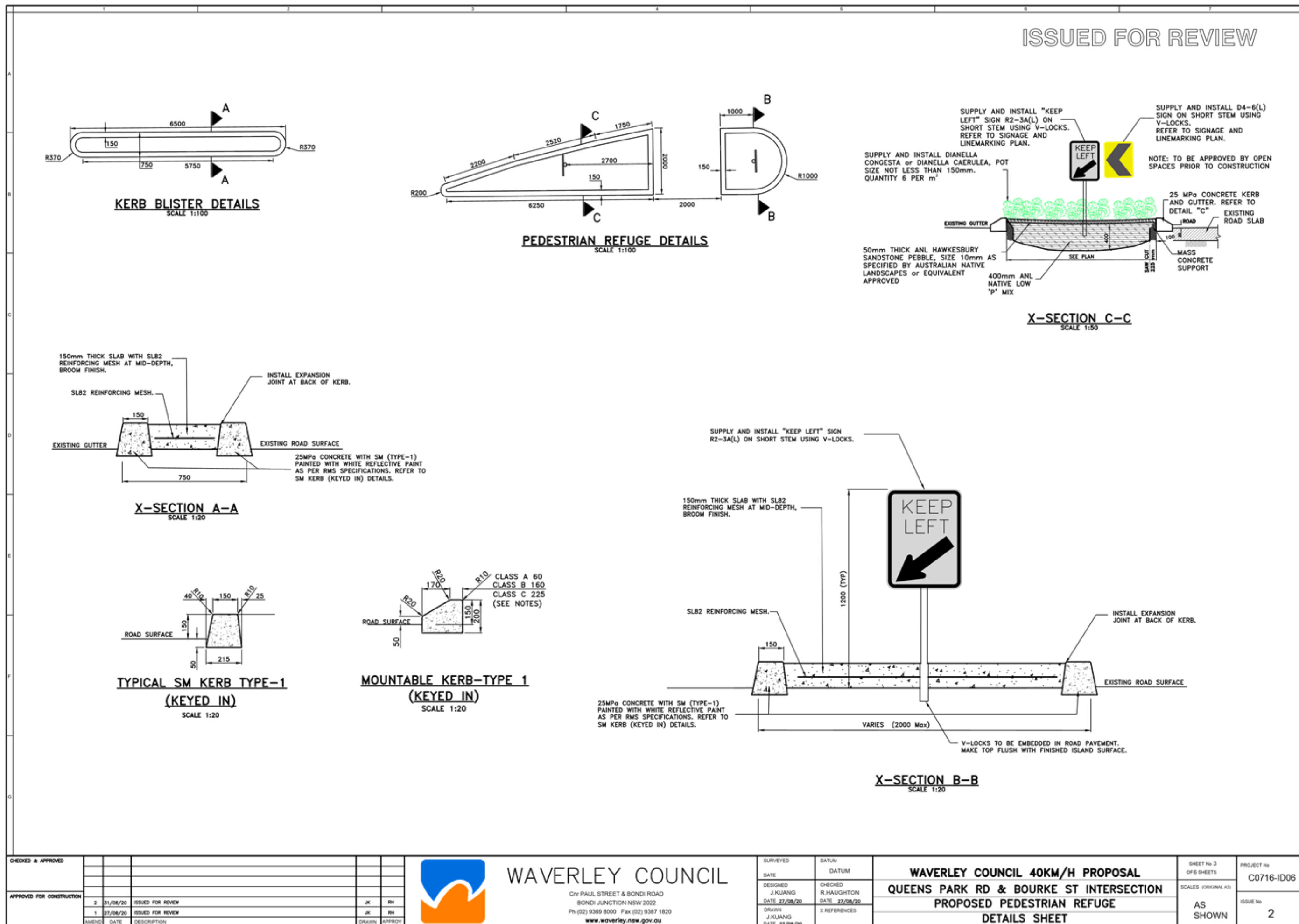


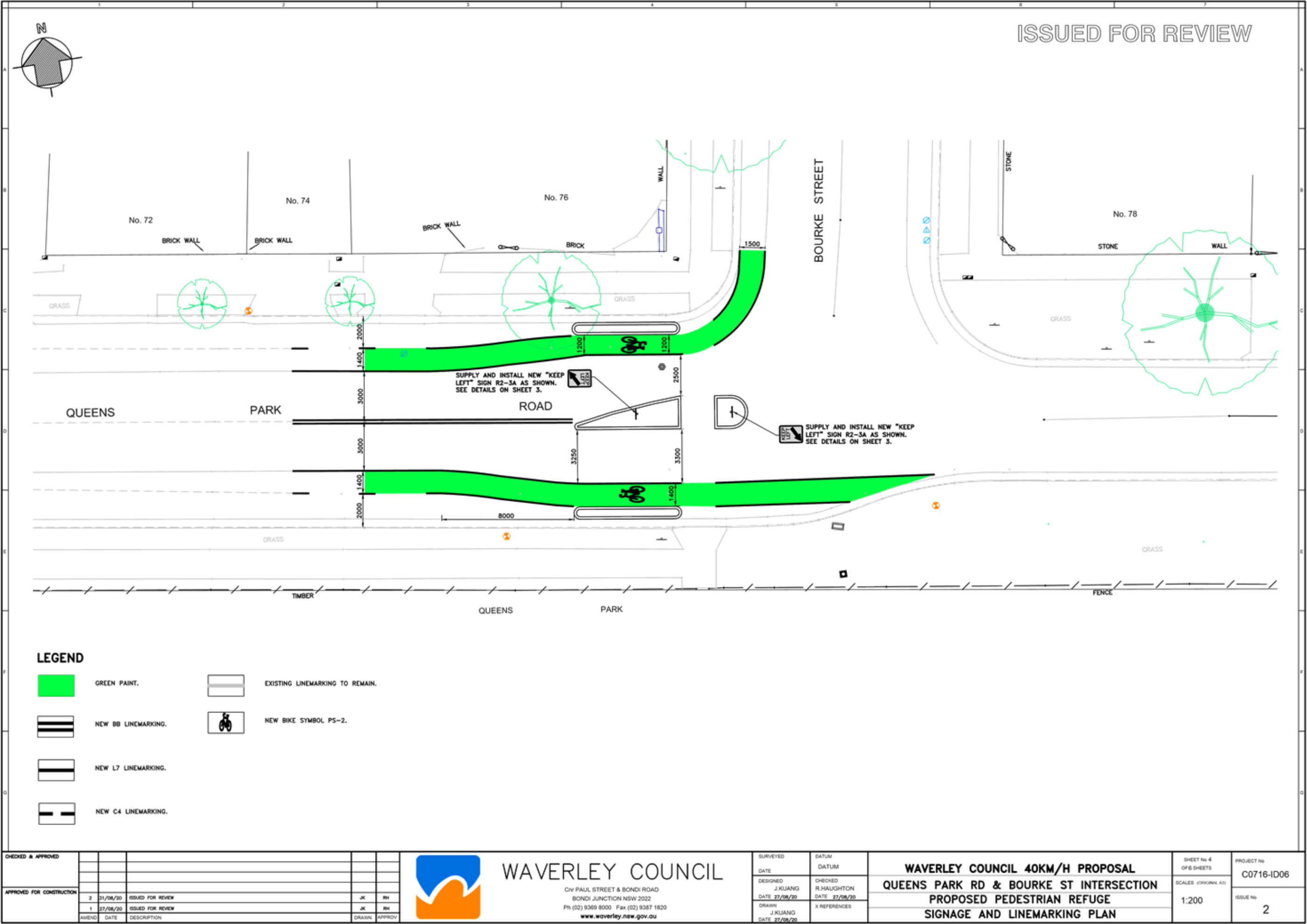
**LOCALITY PLAN**  
(NTS)

CHECKED & APPROVED									WAVERLEY COUNCIL	Cnr PAUL STREET & BONDI ROAD BONDI JUNCTION NSW 2022 Ph (02) 9369 8000 Fax (02) 9387 1820 <a href="http://www.waverley.nsw.gov.au">www.waverley.nsw.gov.au</a>	SURVEYED	DATUM	QUEENS PARK ROAD, QUEENS PARK AT BOURKE STREET INTERSECTION PROPOSED PEDESTRIAN REFUGE NOTES AND SCHEDULES	SHEET No 1 OF 6 SHEETS	PROJECT No C0716-ID06
											DATE	DATUM		SCALE (ORIGINAL A3) SCALE NTS	ISSUE No 2
APPROVED FOR CONSTRUCTION		2	31/08/20	ISSUED FOR REVIEW							DESIGNED J.KUANG DATE 27/08/20	CHECKED R.HAUGHTON DATE 27/08/20			
		1	27/08/20	ISSUED FOR REVIEW							DRAWN J.KUANG DATE 27/08/20	X REFERENCES			
		AMEND	DATE	DESCRIPTION											
					DRAWN		APPROV								



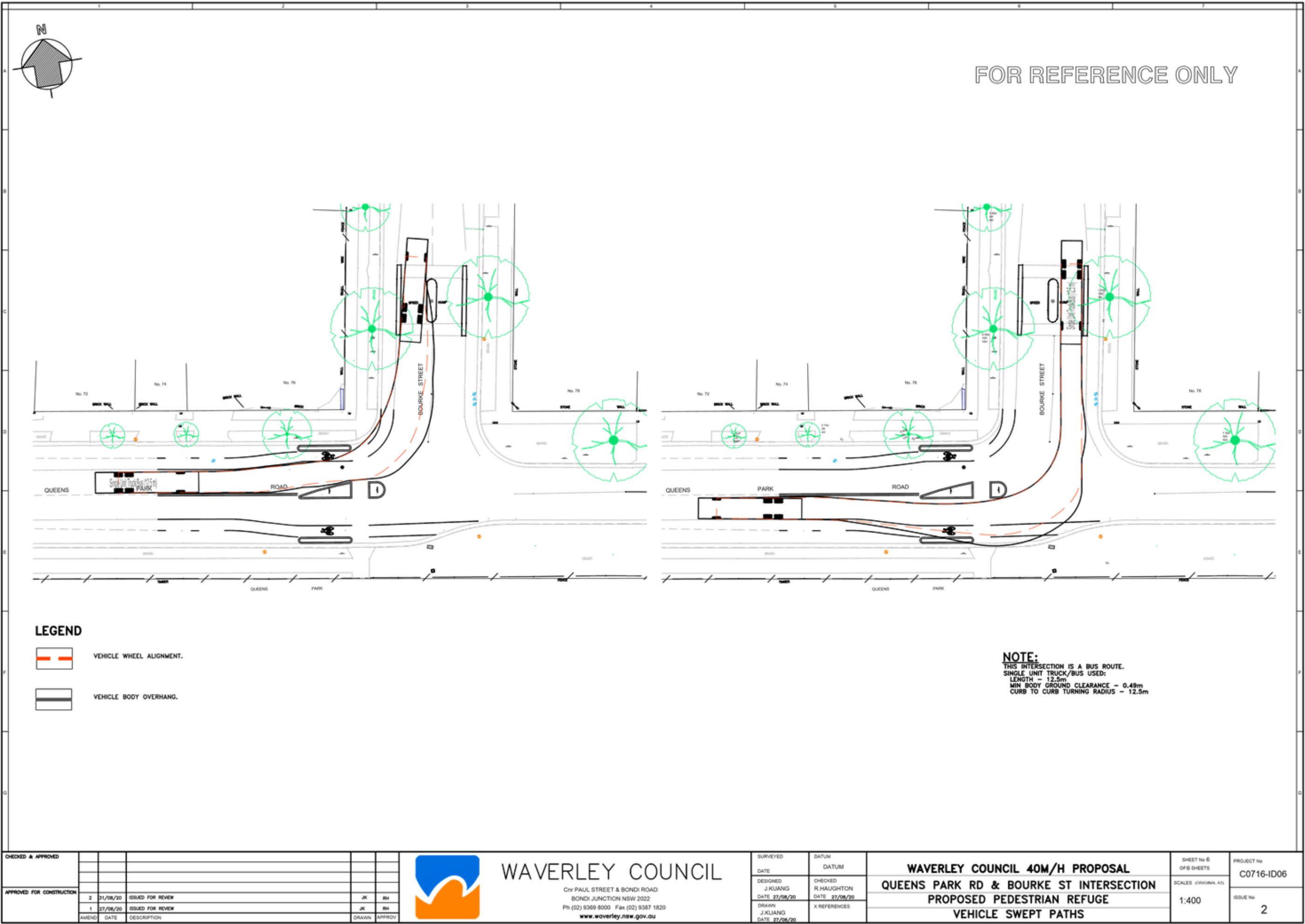














ISSUED FOR REVIEW

# WAVERLEY COUNCIL 40KM/H PROPOSAL 47 YORK ROAD, QUEENS PARK PROPOSED SPEED HUMP

## GENERAL NOTES

1. THE DESIGN DRAWINGS SHOULD BE READ IN CONJUNCTION WITH WAVERLEY COUNCIL'S STANDARD DRAWINGS.
2. DURING CONSTRUCTION THE WORK IS TO BE SIGNPOSTED AND MARKED TO THE REQUIREMENTS OF AS1742.2-2009 AND AS1742.3-2009 "TRAFFIC CONTROL DEVICES FOR WORKS ON ROADS".
3. A TRAFFIC CONTROL PLAN IS TO BE SUBMITTED TO COUNCIL'S PROJECT MANAGER FOR APPROVAL PRIOR TO WORKS.
4. SOIL AND WATER MANAGEMENT PLAN IS TO BE SUBMITTED TO COUNCIL'S PROJECT MANAGER FOR APPROVAL PRIOR TO WORKS.
5. ALL WORK IS TO BE CARRIED OUT TO BEST PRACTICE STANDARDS AND TO THE SATISFACTION OF COUNCIL'S PROJECT MANAGER.
6. THE WORK SITE IS TO BE PROTECTED USING APPROPRIATE SIGNAGE, FENCING, BARRICADING, AND PARA-WEBBING FOR DURATION OF PROJECT CONSTRUCTION.
7. DURING WORKS, CONTRACTOR TO INSTALL TEMPORARY SIGNS - IN ACCORDANCE WITH APPROVED TCP AND MAINTAIN FOR THE DURATION OF THE WORKS.
8. ALL RESIDENTS AFFECTED BY THE PROPOSED WORKS ARE TO BE NOTIFIED AT LEAST 3 WORKING DAYS BEFORE THE COMMENCEMENT OF ROADWORKS TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
9. SUITABLE VEHICULAR ACCESS SHALL BE MAINTAINED TO EACH DRIVEWAY OR ALTERNATIVE ARRANGEMENTS MADE WITH THE OWNERS.
10. WORK TO BE CARRIED OUT WITHIN THE APPROVED HOURS ONLY.

## SERVICES

11. UTILITIES (IF SHOWN) ARE DIAGRAMMATIC ONLY AND HAVE BEEN PREPARED FROM THE INFORMATION PROVIDED BY THE RELEVANT SERVICE AUTHORITIES. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THE SERVICE AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.
12. AUSGRID REQUIRES THAT CONTRACTOR SHOULD CONTACT THEM IF WORKING WITHIN 5.0M FROM UNDERGROUND ELECTRICITY CONDUITS.
13. WHERE EXISTING SERVICE COVERS ARE NOMINATED TO BE ADJUSTED TO DESIGN LEVELS, CONTRACTOR IS TO CARRY OUT ALL WORKS IN ACCORDANCE WITH RELEVANT SERVICE AUTHORITY REQUIREMENTS.
14. NO SERVICE COVERS ARE TO BE COVERED.

## SIGNS & LINEMARKING

15. ALL TRAFFIC SIGNS TO COMPLY WITH NATSPEC 1192 & RMS SPECIFICATION R143 AND TO BE OF HIGH INTENSITY CLASS 1 REFLECTIVITY.
16. ALL LINEMARKING IS TO COMPLY WITH NATSPEC 1191 & RMS SPECIFICATION R141 - "PAVEMENT MARKING".
17. LINEMARKING TO BE IN THERMOPLASTIC TYPE (UNLESS STATED OTHERWISE) AND INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATIONS 3357 AND 3353 RESPECTIVELY. ALL RRPM'S TO COMPLY WITH RMS SPECIFICATION R142.
18. KERB FACES OF ALL ISLANDS TO BE PAINTED WHITE AND TO INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATION NO. 3353.
19. ALL LINEMARKING AND RRPM'S REMOVED OR AFFECTED DURING THE COURSE OF THE WORKS ARE TO BE REINSTATED UNLESS NOTED OTHERWISE.
20. ALL EXISTING SIGNS TO REMAIN UNLESS NOTED OTHERWISE.
21. LINEMARKING AND SIGNPOSTING TO BE INSTALLED AS SOON AS PRACTICABLE.
22. REDUNDANT LINEMARKING IS TO BE REMOVED BY GRINDING WHERE SHOWN ON PLANS OR WHERE NEW LINEMARKING IS PROVIDED.
23. ALL SIGNPOSTING ON SPLITTER, KERB OR PEDESTRIAN REFUGE ISLANDS TO BE ERECTED USING V-NOTCH INSERTS, UNLESS NOTED OTHERWISE.
24. UNLESS SHOWN ON PLANS, NO STATE SURVEY MARKS ARE TO BE REMOVED PRIOR TO CONSULTING WITH COUNCIL'S SUPERINTENDENT.
25. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.



UTILITIES, IF SHOWN, ARE DIAGRAMMATIC ONLY. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.

IN CASE OF EMERGENCY, CONTACT THE FOLLOWING UTILITIES IF THEIR SERVICES ARE INVOLVED:

TELSTRA	: 132203
AGL (GAS)	: 131245
SYDNEY WATER	: 132090
AUSGRID	: 131388

**LINEMARKING**  
ALL NEW LINEMARKING TO BE IN THERMOPLASTIC UNLESS NOTED OTHERWISE

**NOTE**  
ALL EXISTING SIGNS AND LINES TO REMAIN UNLESS NOTED OTHERWISE.

**IMPORTANT**  
REDUNDANT LINE MARKING MUST BE REMOVED BY GRINDING WHERE INDICATED ON PLANS.

## CONCRETE

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
2. CONCRETE QUALITY.

ELEMENT	SLUMP	MAX AGGREGATE SIZE	CEMENT TYPE	CEMENT GRADE
ALL	80mm	20mm	GP	25MPa

- NO ADMIXTURES SHALL BE USED WITHOUT THE APPROVAL OF COUNCIL'S SUPERINTENDENT.
3. CLEAR CONCRETE COVER TO REINFORCEMENT SHALL BE AS FOLLOWS UNLESS OTHERWISE SHOWN-

ELEMENT	SURFACE OF MEMBER IN INTERIOR ENVIRONMENT	SURFACE OF MEMBER IN ABOVE GROUND EXTERIOR ENVIRONMENT	SURFACE OF MEMBER IN CONTACT WITH GROUND (1)	SURFACE OF MEMBER IN WATER
ALL	35	45	55	75

**NOTE:**  
1. COVER MAY BE REDUCED BY 10mm IF THE SURFACE IS PROTECTED BY A DAMP-PROOF MEMBRANE.  
2. SLABS EXPOSED TO CORROSIVE VAPOURS, CORROSIVE GROUND WATER, SEA WATER, OR SPRAY ARE TO HAVE REINFORCEMENT COVER AS NOTED ON THE DRAWINGS.

4. SIZES OF CONCRETE ELEMENTS DO NOT INCLUDE THICKNESS OF APPLIED FINISHES.
5. CONSTRUCTION JOINTS WHERE NOT SHOWN SHALL BE LOCATED TO THE APPROVAL OF COUNCIL'S SUPERINTENDENT.
6. NO HOLES OR CHASES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT THE PRIOR APPROVAL OF COUNCIL'S SUPERINTENDENT.
7. WELDING OF REINFORCEMENT WILL NOT BE PERMITTED UNLESS SHOWN ON THE STRUCTURAL DRAWINGS.
8. PIPES OR CONDUITS SHALL NOT BE PLACED WITHIN THE CONCRETE COVER TO REINFORCEMENT WITHOUT THE APPROVAL OF COUNCIL'S SUPERINTENDENT. THE CONCRETE COVER TO EMBEDDED PIPES OR CONDUITS SHALL BE A MINIMUM OF 20mm.
9. ALL REINFORCEMENT FABRIC SHALL COMPLY WITH AS 1303 AND AS 1304 AND SHALL BE SUPPLIED AS FLAT SHEETS.
10. ALL CONCRETE TO BE MECHANICALLY VIBRATED IN FORM TO GIVE MAXIMUM COMPACTION WITHOUT SEGREGATION OF CONCRETE.
11. PROVIDE 20mm CHAMFER TO ALL EXPOSED EDGES U.N.O.

## DRAWING SCHEDULE

- 1/5 - NOTES AND SCHEDULES  
2/5 - LAYOUT PLAN  
3/5 - DETAILS SHEET  
4/5 - SIGNAGE AND LINEMARKING PLAN  
5/5 - SERVICES PLAN

## LOCATION OF WORKS



(NTS)

CHECKED & APPROVED					
APPROVED FOR CONSTRUCTION	3	31/08/20	ISSUED FOR REVIEW	SL	RH
	2	28/08/20	ISSUED FOR REVIEW	SL	RH
	1	18/03/20	ISSUED FOR REVIEW	SL	CE
	AMEND	DATE	DESCRIPTION	DRAWN	APPROVED



**WAVERLEY COUNCIL**

Cnr PAUL STREET & BONDI ROAD  
BONDI JUNCTION NSW 2022  
Ph (02) 9369 8000 Fax (02) 9387 1820  
www.waverley.nsw.gov.au

SURVEYED	DATUM
DATE	DATUM
DESIGNED S.LUFE	CHECKED C.ECCLES
DATE 19/03/20	DATE 19/03/20
DRAWN S.LUFE	X REFERENCES
DATE 19/03/20	

## WAVERLEY COUNCIL 40KM/H PROPOSAL

47 YORK ROAD, QUEENS PARK

PROPOSED SPEED HUMP

NOTES AND SCHEDULES

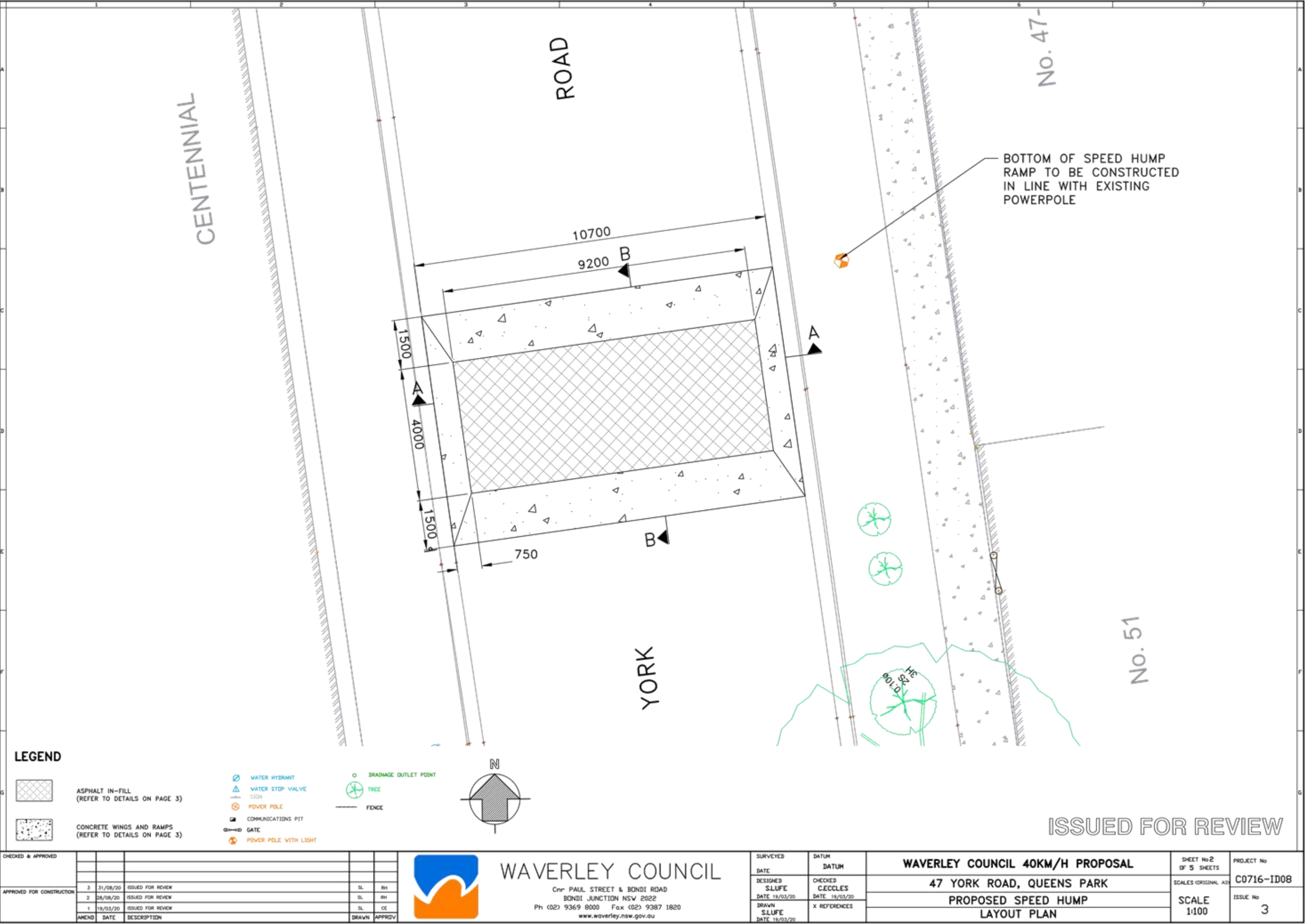
SHEET No 1  
OF 5 SHEETS

SCALE (ORIGINAL A3)

SCALE  
NTS

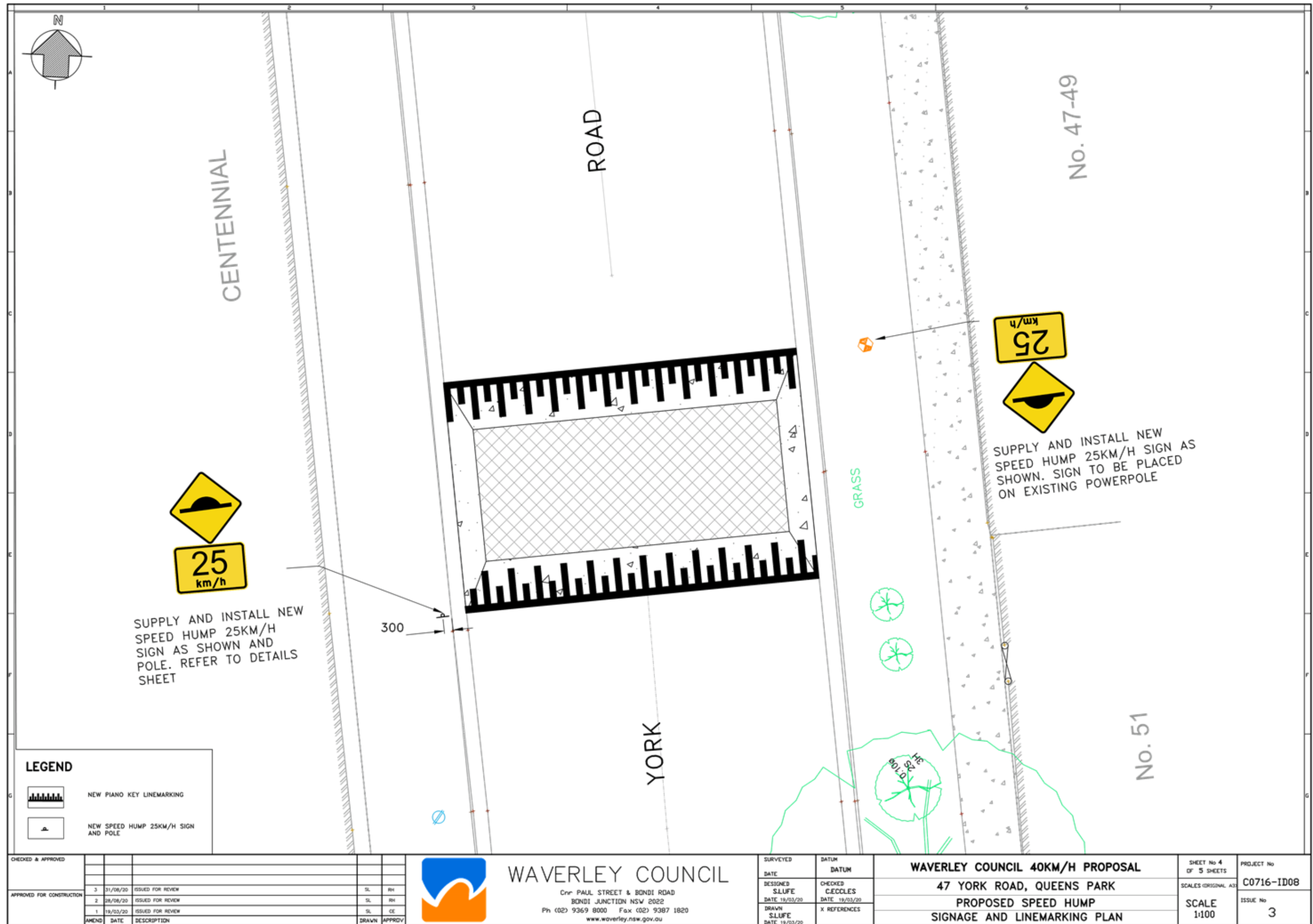
PROJECT No  
C0716-ID08

ISSUE No  
3













# WAVERLEY COUNCIL 40KM/H PROPOSAL AT DICKSON STREET, BRONTE PROPOSED KERB BUILDOUT

ISSUED FOR REVIEW

## GENERAL NOTES

1. THE DESIGN DRAWINGS SHOULD BE READ IN CONJUNCTION WITH WAVERLEY COUNCIL'S STANDARD DRAWINGS.
2. DURING CONSTRUCTION THE WORK IS TO BE SIGNPOSTED AND MARKED TO THE REQUIREMENTS OF AS1742.2-2009 AND AS1742.3-2009 "TRAFFIC CONTROL DEVICES FOR WORKS ON ROADS".
3. A TRAFFIC CONTROL PLAN IS TO BE SUBMITTED TO COUNCIL'S PROJECT MANAGER FOR APPROVAL PRIOR TO WORKS.
4. SOIL AND WATER MANAGEMENT PLAN IS TO BE SUBMITTED TO COUNCIL'S PROJECT MANAGER FOR A APPROVAL PRIOR TO WORKS.
5. ALL WORK IS TO BE CARRIED OUT TO BEST PRACTICE STANDARDS AND TO THE SATISFACTION OF COUNCIL'S PROJECT MANAGER.
6. THE WORK SITE IS TO BE PROTECTED USING APPROPRIATE SIGNAGE, FENCING, BARRICADING, AND PARA-WEBBING FOR DURATION OF PROJECT CONSTRUCTION.
7. DURING WORKS, CONTRACTOR TO INSTALL TEMPORARY SIGNS - IN ACCORDANCE WITH APPROVED TCP AND MAINTAIN FOR THE DURATION OF THE WORKS.
8. ALL RESIDENTS AFFECTED BY THE PROPOSED WORKS ARE TO BE NOTIFIED AT LEAST 3 WORKING DAYS BEFORE THE COMMENCEMENT OF ROADWORKS TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
9. SUITABLE VEHICULAR ACCESS SHALL BE MAINTAINED TO EACH DRIVEWAY OR ALTERNATIVE ARRANGEMENTS MADE WITH THE OWNERS.
10. WORK TO BE CARRIED OUT WITHIN THE APPROVED HOURS ONLY.

## SERVICES

11. UTILITIES (IF SHOWN) ARE DIAGRAMMATIC ONLY AND HAVE BEEN PREPARED FROM THE INFORMATION PROVIDED BY THE RELEVANT SERVICE AUTHORITIES. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THE SERVICE AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.
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14. NO SERVICE COVERS ARE TO BE COVERED.

## SIGNS & LINEMARKING

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19. ALL LINEMARKING AND RRPMS REMOVED OR AFFECTED DURING THE COURSE OF THE WORKS ARE TO BE REINSTATED UNLESS NOTED OTHERWISE.
20. ALL EXISTING SIGNS TO REMAIN UNLESS NOTED OTHERWISE.
21. LINEMARKING AND SIGNPOSTING TO BE INSTALLED AS SOON AS PRACTICABLE.
22. REDUNDANT LINEMARKING IS TO BE REMOVED BY GRINDING WHERE SHOWN ON PLANS OR WHERE NEW LINEMARKING IS PROVIDED.
23. ALL SIGNPOSTING ON SPLITTER, KERB OR PEDESTRIAN REFUGE ISLANDS TO BE ERECTED USING V-NOTCH INSERTS, UNLESS NOTED OTHERWISE.
24. UNLESS SHOWN ON PLANS, NO STATE SURVEY MARKS ARE TO BE REMOVED PRIOR TO CONSULTING WITH COUNCIL'S SUPERINTENDENT.
25. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.



UTILITIES, IF SHOWN, ARE DIAGRAMMATIC ONLY. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.

IN CASE OF EMERGENCY, CONTACT THE FOLLOWING UTILITIES IF THEIR SERVICES ARE INVOLVED:

TELSTRA	: 132203
AGL (GAS)	: 131245
SYDNEY WATER	: 132090
AUSGRID	: 131388

**NOTE**  
ALL EXISTING SIGNS AND LINES TO REMAIN UNLESS NOTED OTHERWISE.

**IMPORTANT**  
REDUNDANT LINE MARKING MUST BE REMOVED BY GRINDING WHERE INDICATED ON PLANS.

## CONCRETE

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
2. CONCRETE QUALITY.

ELEMENT	SLUMP	MAX AGGREGATE SIZE	CEMENT TYPE	CEMENT GRADE
ALL	80mm	20mm	GP	25MPa

NO ADMIXTURES SHALL BE USED WITHOUT THE APPROVAL OF COUNCIL'S SUPERINTENDENT.

3. CLEAR CONCRETE COVER TO REINFORCEMENT SHALL BE AS FOLLOWS UNLESS OTHERWISE SHOWN-

ELEMENT	SURFACE OF MEMBER IN INTERIOR ENVIRONMENT	SURFACE OF MEMBER IN ABOVE GROUND EXTERIOR ENVIRONMENT	SURFACE OF MEMBER IN CONTACT WITH GROUND (1)	SURFACE OF MEMBER IN WATER
ALL	35	45	55	75

**NOTE:**  
1. COVER MAY BE REDUCED BY 10mm IF THE SURFACE IS PROTECTED BY A DAMP-PROOF MEMBRANE.  
2. SLABS EXPOSED TO CORROSIVE VAPOURS, CORROSIVE GROUND WATER, SEA WATER, OR SPRAY ARE TO HAVE REINFORCEMENT COVER AS NOTED ON THE DRAWINGS.

4. SIZES OF CONCRETE ELEMENTS DO NOT INCLUDE THICKNESS OF APPLIED FINISHES.
5. CONSTRUCTION JOINTS WHERE NOT SHOWN SHALL BE LOCATED TO THE APPROVAL OF COUNCIL'S SUPERINTENDENT.
6. NO HOLES OR CHASES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT THE PRIOR APPROVAL OF COUNCIL'S SUPERINTENDENT.
7. WELDING OF REINFORCEMENT WILL NOT BE PERMITTED UNLESS SHOWN ON THE STRUCTURAL DRAWINGS.
8. PIPES OR CONDUITS SHALL NOT BE PLACED WITHIN THE CONCRETE COVER TO REINFORCEMENT WITHOUT THE APPROVAL OF COUNCIL'S SUPERINTENDENT. THE CONCRETE COVER TO EMBEDDED PIPES OR CONDUITS SHALL BE A MINIMUM OF 20mm.
9. ALL REINFORCEMENT FABRIC SHALL COMPLY WITH AS 1303 AND AS 1304 AND SHALL BE SUPPLIED AS FLAT SHEETS.
10. ALL CONCRETE TO BE MECHANICALLY VIBRATED IN FORM TO GIVE MAXIMUM COMPACTION WITHOUT SEGREGATION OF CONCRETE.
11. PROVIDE 20mm CHAMFER TO ALL EXPOSED EDGES U.N.O.

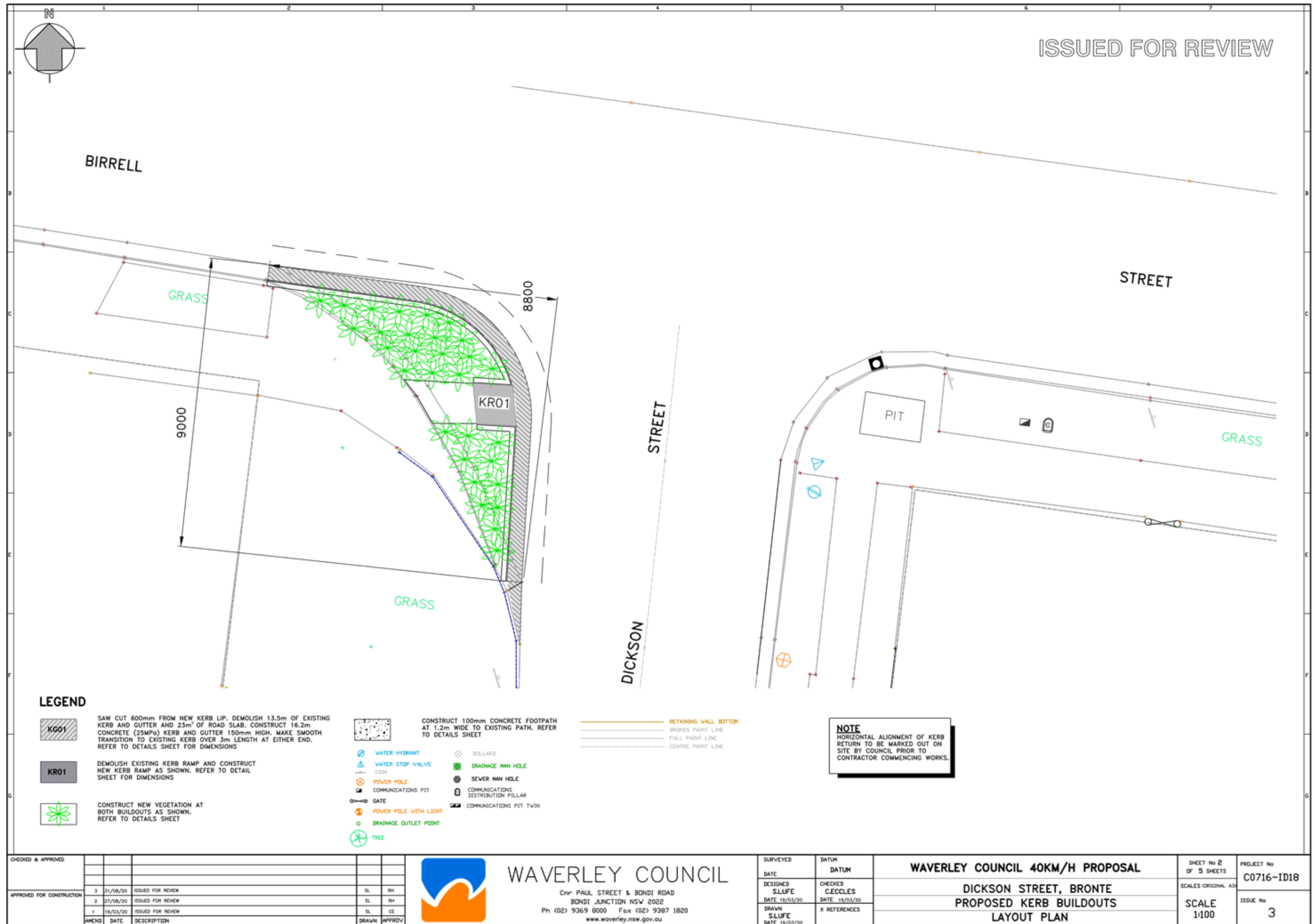
## DRAWING SCHEDULE

- 1/5 - NOTES AND SCHEDULES
- 2/5 - LAYOUT PLAN
- 3/5 - DETAILS SHEET
- 4/5 - SERVICES PLAN
- 5/5 - VEHICLE SWEEP PATHS



LOCALITY PLAN  
(NTS)

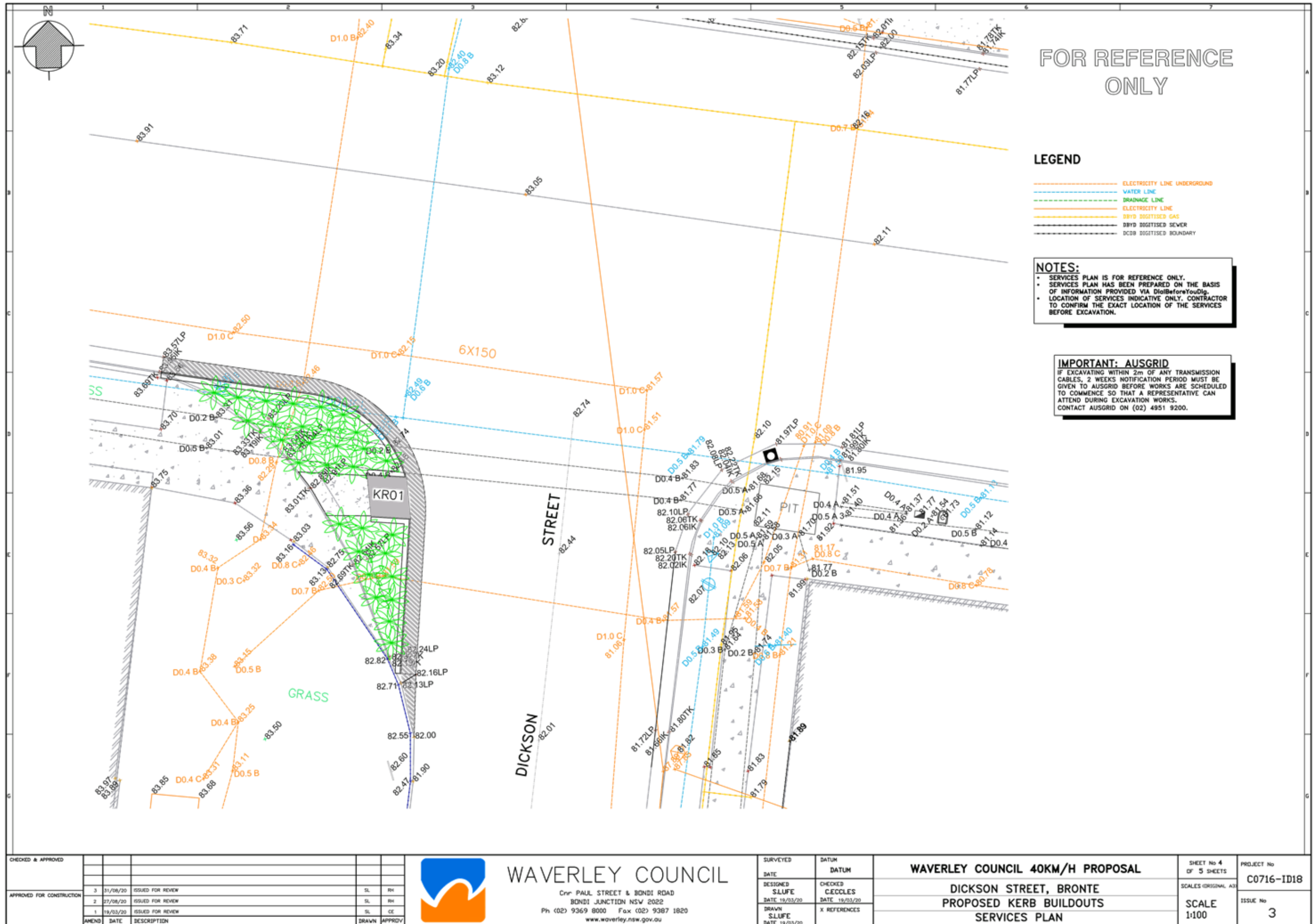
CHECKED & APPROVED				WAVERLEY COUNCIL				SURVEYED		DATUM		WAVERLEY COUNCIL 40KM/H PROPOSAL		SHEET No 1 OF 5 SHEETS		PROJECT No	
APPROVED FOR CONSTRUCTION				Cnr PAUL STREET & BONDI ROAD BONDI JUNCTION NSW 2022 Ph (02) 9369 8000 Fax (02) 9387 1820 www.waverley.nsw.gov.au				DATE		CHECKED		DICKSON STREET, BRONTE PROPOSED KERB BUILDOUTS NOTES AND SCHEDULES		SCALE		ISSUE No	
3								19/03/20		DATE		NTS		3		C0716-ID18	
2								19/03/20		DATE							
1								19/03/20		DATE							
AMEND				DATE				DESCRIPTION		DRAWN		APPROV					

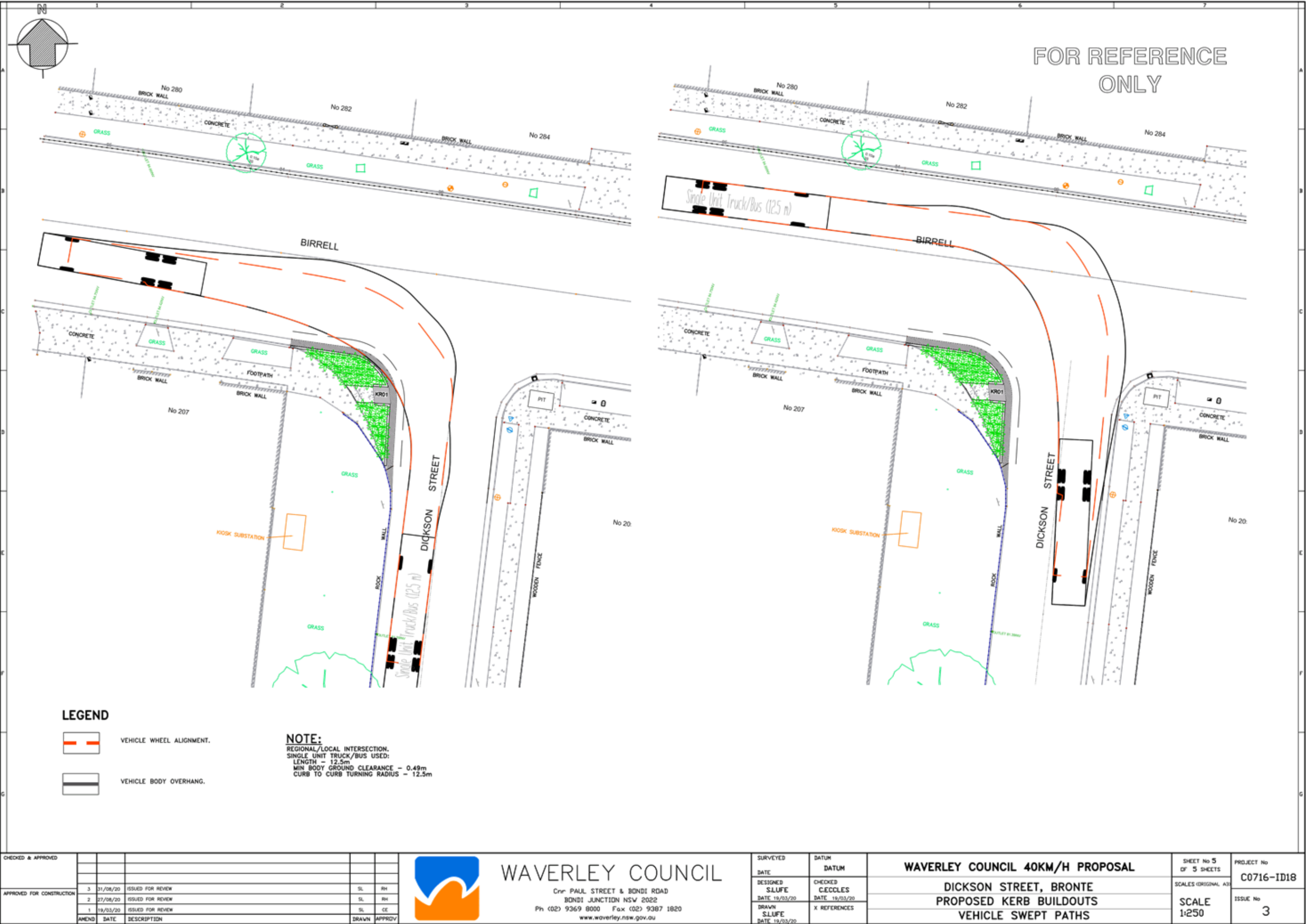














ISSUED FOR REVIEW

# WAVERLEY COUNCIL 40KM/H PROPOSAL AT 10 DICKSON STREET, BRONTE PROPOSED SPEED HUMP AND BUILDOUT

## GENERAL NOTES

1. THE DESIGN DRAWINGS SHOULD BE READ IN CONJUNCTION WITH WAVERLEY COUNCIL'S STANDARD DRAWINGS.
2. DURING CONSTRUCTION THE WORK IS TO BE SIGNPOSTED AND MARKED TO THE REQUIREMENTS OF AS1742.2-2009 AND AS1742.3-2009 "TRAFFIC CONTROL DEVICES FOR WORKS ON ROADS".
3. A TRAFFIC CONTROL PLAN IS TO BE SUBMITTED TO COUNCIL'S PROJECT MANAGER FOR APPROVAL PRIOR TO WORKS.
4. SOIL AND WATER MANAGEMENT PLAN IS TO BE SUBMITTED TO COUNCIL'S PROJECT MANAGER FOR A APPROVAL PRIOR TO WORKS.
5. ALL WORK IS TO BE CARRIED OUT TO BEST PRACTICE STANDARDS AND TO THE SATISFACTION OF COUNCIL'S PROJECT MANAGER.
6. THE WORK SITE IS TO BE PROTECTED USING APPROPRIATE SIGNAGE, FENCING, BARRICADING, AND PARA-WEBBING FOR DURATION OF PROJECT CONSTRUCTION.
7. DURING WORKS, CONTRACTOR TO INSTALL TEMPORARY SIGNS - IN ACCORDANCE WITH APPROVED TCP AND MAINTAIN FOR THE DURATION OF THE WORKS.
8. ALL RESIDENTS AFFECTED BY THE PROPOSED WORKS ARE TO BE NOTIFIED AT LEAST 3 WORKING DAYS BEFORE THE COMMENCEMENT OF ROADWORKS TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
9. SUITABLE VEHICULAR ACCESS SHALL BE MAINTAINED TO EACH DRIVEWAY OR ALTERNATIVE ARRANGEMENTS MADE WITH THE OWNERS.
10. WORK TO BE CARRIED OUT WITHIN THE APPROVED HOURS ONLY.

## SERVICES

11. UTILITIES (IF SHOWN) ARE DIAGRAMMATIC ONLY AND HAVE BEEN PREPARED FROM THE INFORMATION PROVIDED BY THE RELEVANT SERVICE AUTHORITIES. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THE SERVICE AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.
12. AUSGRID REQUIRES THAT CONTRACTOR SHOULD CONTACT THEM IF WORKING WITHIN 5.0M FROM UNDERGROUND ELECTRICITY CONDUITS.
13. WHERE EXISTING SERVICE COVERS ARE NOMINATED TO BE ADJUSTED TO DESIGN LEVELS, CONTRACTOR IS TO CARRY OUT ALL WORKS IN ACCORDANCE WITH RELEVANT SERVICE AUTHORITY REQUIREMENTS.
14. NO SERVICE COVERS ARE TO BE COVERED.

## SIGNS & LINEMARKING

15. ALL TRAFFIC SIGNS TO COMPLY WITH NATSPEC 1192 & RMS SPECIFICATION R143 AND TO BE OF HIGH INTENSITY CLASS 1 REFLECTIVITY.
16. ALL LINEMARKING IS TO COMPLY WITH NATSPEC 1191 & RMS SPECIFICATION R141 - "PAVEMENT MARKING"
17. LINEMARKING TO BE IN THERMOPLASTIC TYPE (UNLESS STATED OTHERWISE) AND INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATIONS 3357 AND 3353 RESPECTIVELY. ALL RRPMS TO COMPLY WITH RMS SPECIFICATION R142.
18. KERB FACES OF ALL ISLANDS TO BE PAINTED WHITE AND TO INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATION NO. 3353.
19. ALL LINEMARKING AND RRPMS REMOVED OR AFFECTED DURING THE COURSE OF THE WORKS ARE TO BE REINSTATED UNLESS NOTED OTHERWISE.
20. ALL EXISTING SIGNS TO REMAIN UNLESS NOTED OTHERWISE.
21. LINEMARKING AND SIGNPOSTING TO BE INSTALLED AS SOON AS PRACTICABLE.
22. REDUNDANT LINEMARKING IS TO BE REMOVED BY GRINDING WHERE SHOWN ON PLANS OR WHERE NEW LINEMARKING IS PROVIDED.
23. ALL SIGNPOSTING ON SPLITTER, KERB OR PEDESTRIAN REFUGE ISLANDS TO BE ERECTED USING V-NOTCH INSERTS, UNLESS NOTED OTHERWISE.
24. UNLESS SHOWN ON PLANS, NO STATE SURVEY MARKS ARE TO BE REMOVED PRIOR TO CONSULTING WITH COUNCIL'S SUPERINTENDENT.
25. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.



UTILITIES, IF SHOWN, ARE DIAGRAMMATIC ONLY. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.

IN CASE OF EMERGENCY, CONTACT THE FOLLOWING UTILITIES IF THEIR SERVICES ARE INVOLVED:

TELSTRA	: 132203
AGL (GAS)	: 131245
SYDNEY WATER	: 132090
AUSGRID	: 131388

**NOTE**  
ALL EXISTING SIGNS AND LINES TO REMAIN UNLESS NOTED OTHERWISE.

**IMPORTANT**  
REDUNDANT LINE MARKING MUST BE REMOVED BY GRINDING WHERE INDICATED ON PLANS.

## CONCRETE

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS EXCEPT WHERE VARYED BY THE CONTRACT DOCUMENTS.
2. CONCRETE QUALITY.

ELEMENT	SLUMP	MAX AGGREGATE SIZE	CEMENT TYPE	CEMENT GRADE
ALL	80mm	20mm	GP	25MPa

NO ADMIXTURES SHALL BE USED WITHOUT THE APPROVAL OF COUNCIL'S SUPERINTENDENT.

3. CLEAR CONCRETE COVER TO REINFORCEMENT SHALL BE AS FOLLOWS UNLESS OTHERWISE SHOWN-

ELEMENT	SURFACE OF MEMBER IN INTERIOR ENVIRONMENT	SURFACE OF MEMBER IN ABOVE GROUND EXTERIOR ENVIRONMENT	SURFACE OF MEMBER IN CONTACT WITH GROUND (1)	SURFACE OF MEMBER IN WATER
ALL	35	45	55	75

**NOTE:**  
1. COVER MAY BE REDUCED BY 10mm IF THE SURFACE IS PROTECTED BY A DAMP-PROOF MEMBRANE.  
2. SLABS EXPOSED TO CORROSIVE VAPOURS, CORROSIVE GROUND WATER, SEA WATER, OR SPRAY ARE TO HAVE REINFORCEMENT COVER AS NOTED ON THE DRAWINGS.

4. SIZES OF CONCRETE ELEMENTS DO NOT INCLUDE THICKNESS OF APPLIED FINISHES.
5. CONSTRUCTION JOINTS WHERE NOT SHOWN SHALL BE LOCATED TO THE APPROVAL OF COUNCIL'S SUPERINTENDENT.
6. NO HOLES OR CHASES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT THE PRIOR APPROVAL OF COUNCIL'S SUPERINTENDENT.
7. WELDING OF REINFORCEMENT WILL NOT BE PERMITTED UNLESS SHOWN ON THE STRUCTURAL DRAWINGS.
8. PIPES OR CONDUITS SHALL NOT BE PLACED WITHIN THE CONCRETE COVER TO REINFORCEMENT WITHOUT THE APPROVAL OF COUNCIL'S SUPERINTENDENT. THE CONCRETE COVER TO EMBEDDED PIPES OR CONDUITS SHALL BE A MINIMUM OF 20mm.
9. ALL REINFORCEMENT FABRIC SHALL COMPLY WITH AS 1503 AND AS 1304 AND SHALL BE SUPPLIED AS FLAT SHEETS.
10. ALL CONCRETE TO BE MECHANICALLY VIBRATED IN FORM TO GIVE MAXIMUM COMPACTION WITHOUT SEGREGATION OF CONCRETE.
11. PROVIDE 20mm CHAMFER TO ALL EXPOSED EDGES U.N.O.

## DRAWING SCHEDULE

- 1/4 - NOTES AND SCHEDULES
- 2/4 - LAYOUT PLAN
- 3/4 - DETAILS SHEET
- 4/4 - SIGNAGE AND LINEMARKING PLAN

## LOCATION OF WORKS



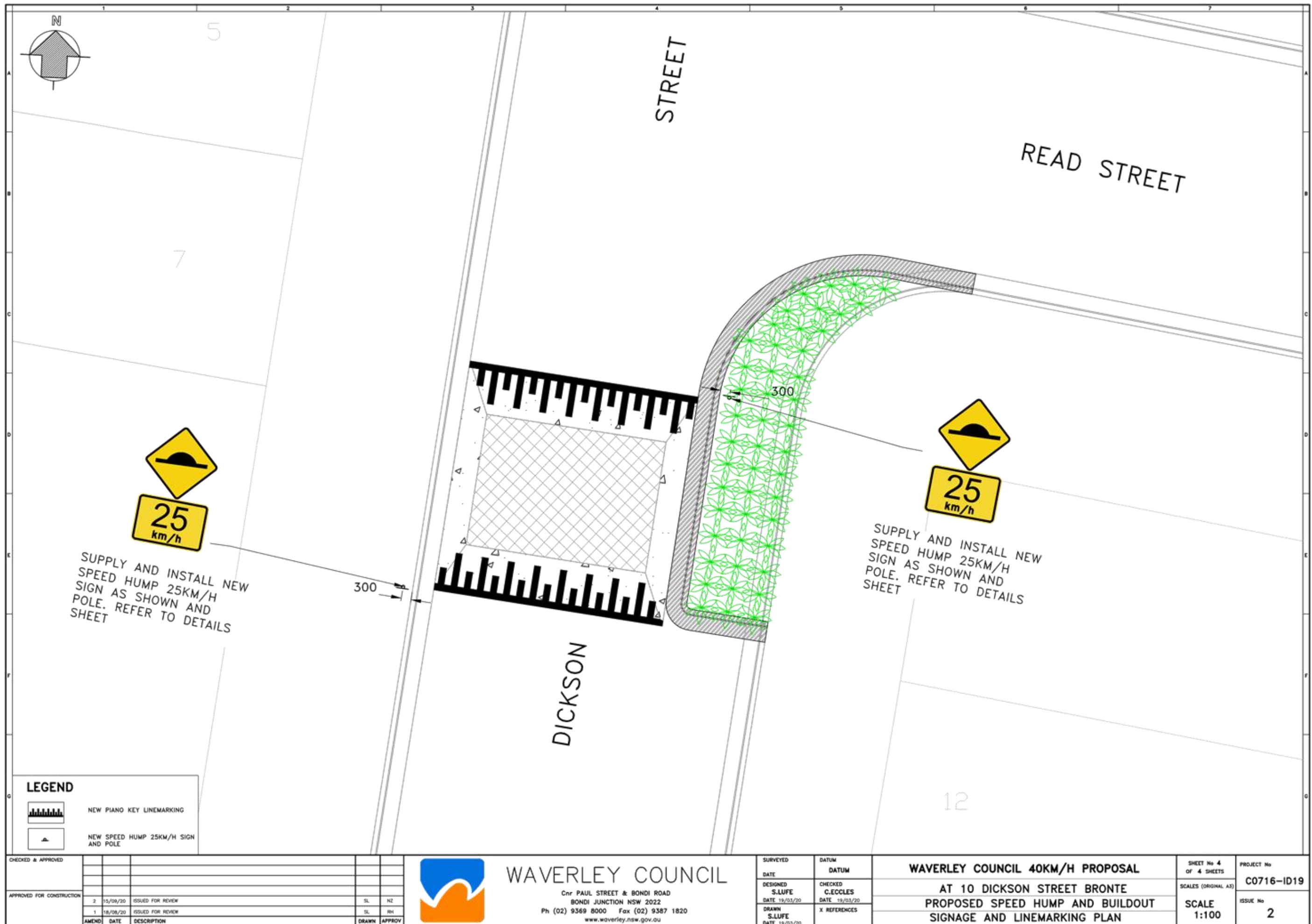
**LOCALITY PLAN**  
(NTS)

CHECKED & APPROVED										<b>WAVERLEY COUNCIL</b> Cnr PAUL STREET & BONDI ROAD BONDI JUNCTION NSW 2022 Ph (02) 9369 8000 Fax (02) 9387 1820 www.waverley.nsw.gov.au		SURVEYED DATE DESIGNED S.LUFE DATE 19/03/20 DRAWN S.LUFE DATE 19/03/20	DATUM DATUM CHECKED C.ECCLES DATE 19/03/20 X REFERENCES	<b>WAVERLEY COUNCIL 40KM/H PROPOSAL</b> <b>AT 10 DICKSON STREET BRONTE</b> <b>PROPOSED SPEED HUMP AND BUILDOUT</b> <b>NOTES AND SCHEDULES</b>		SHEET No 1 OF 4 SHEETS SCALES (ORIGINAL A3) <b>SCALE</b> NTS	PROJECT No <b>C0716-ID19</b> ISSUE No <b>2</b>
APPROVED FOR CONSTRUCTION		2 15/09/20 ISSUED FOR REVIEW 1 28/08/20 ISSUED FOR REVIEW		SL NZ SL RH													
AMEND	DATE	DESCRIPTION		DRAWN		APPROV											











ISSUED FOR REVIEW

# WAVERLEY COUNCIL 40KM/H PROPOSAL AT 25 MURRAY STREET, BRONTE PROPOSED SPEED HUMP

## GENERAL NOTES

1. THE DESIGN DRAWINGS SHOULD BE READ IN CONJUNCTION WITH WAVERLEY COUNCIL'S STANDARD DRAWINGS.
2. DURING CONSTRUCTION THE WORK IS TO BE SIGNPOSTED AND MARKED TO THE REQUIREMENTS OF AS1742.2-2009 AND AS1742.3-2009 "TRAFFIC CONTROL DEVICES FOR WORKS ON ROADS".
3. A TRAFFIC CONTROL PLAN IS TO BE SUBMITTED TO COUNCIL'S PROJECT MANAGER FOR APPROVAL PRIOR TO WORKS.
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9. SUITABLE VEHICULAR ACCESS SHALL BE MAINTAINED TO EACH DRIVEWAY OR ALTERNATIVE ARRANGEMENTS MADE WITH THE OWNERS.
10. WORK TO BE CARRIED OUT WITHIN THE APPROVED HOURS ONLY.

## SERVICES

11. UTILITIES (IF SHOWN) ARE DIAGRAMMATIC ONLY AND HAVE BEEN PREPARED FROM THE INFORMATION PROVIDED BY THE RELEVANT SERVICE AUTHORITIES. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THE SERVICE AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.
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14. NO SERVICE COVERS ARE TO BE COVERED.

## SIGNS & LINEMARKING

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17. LINEMARKING TO BE IN THERMOPLASTIC TYPE (UNLESS STATED OTHERWISE) AND INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATIONS 3357 AND 3353 RESPECTIVELY. ALL RRPM'S TO COMPLY WITH RMS SPECIFICATION R142.
18. KERB FACES OF ALL ISLANDS TO BE PAINTED WHITE AND TO INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATION NO. 3353.
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IN CASE OF EMERGENCY, CONTACT THE FOLLOWING UTILITIES IF THEIR SERVICES ARE INVOLVED:

TELSTRA	132203
AGL (GAS)	131245
SYDNEY WATER	132090
AUSGRID	131388

**NOTE**  
ALL EXISTING SIGNS AND LINES TO REMAIN UNLESS NOTED OTHERWISE.

**IMPORTANT**  
REDUNDANT LINE MARKING MUST BE REMOVED BY GRINDING WHERE INDICATED ON PLANS.

## CONCRETE

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
2. CONCRETE QUALITY.

ELEMENT	SLUMP	MAX AGGREGATE SIZE	CEMENT TYPE	CEMENT GRADE
ALL	80mm	20mm	GP	25MPa

- NO ADMIXTURES SHALL BE USED WITHOUT THE APPROVAL OF COUNCIL'S SUPERINTENDENT.
3. CLEAR CONCRETE COVER TO REINFORCEMENT SHALL BE AS FOLLOWS UNLESS OTHERWISE SHOWN-

ELEMENT	SURFACE OF MEMBER IN INTERIOR ENVIRONMENT	SURFACE OF MEMBER IN ABOVE GROUND EXTERIOR ENVIRONMENT	SURFACE OF MEMBER IN CONTACT WITH GROUND (1)	SURFACE OF MEMBER IN WATER
ALL	35	45	55	75

**NOTE:**  
1. COVER MAY BE REDUCED BY 10mm IF THE SURFACE IS PROTECTED BY A DAMP-PROOF MEMBRANE.  
2. SLABS EXPOSED TO CORROSIVE VAPOURS, CORROSIVE GROUND WATER, SEA WATER, OR SPRAY ARE TO HAVE REINFORCEMENT COVER AS NOTED ON THE DRAWINGS.

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10. ALL CONCRETE TO BE MECHANICALLY VIBRATED IN FORM TO GIVE MAXIMUM COMPACTION WITHOUT SEGREGATION OF CONCRETE.
11. PROVIDE 20mm CHAMFER TO ALL EXPOSED EDGES U.N.O.

## DRAWING SCHEDULE

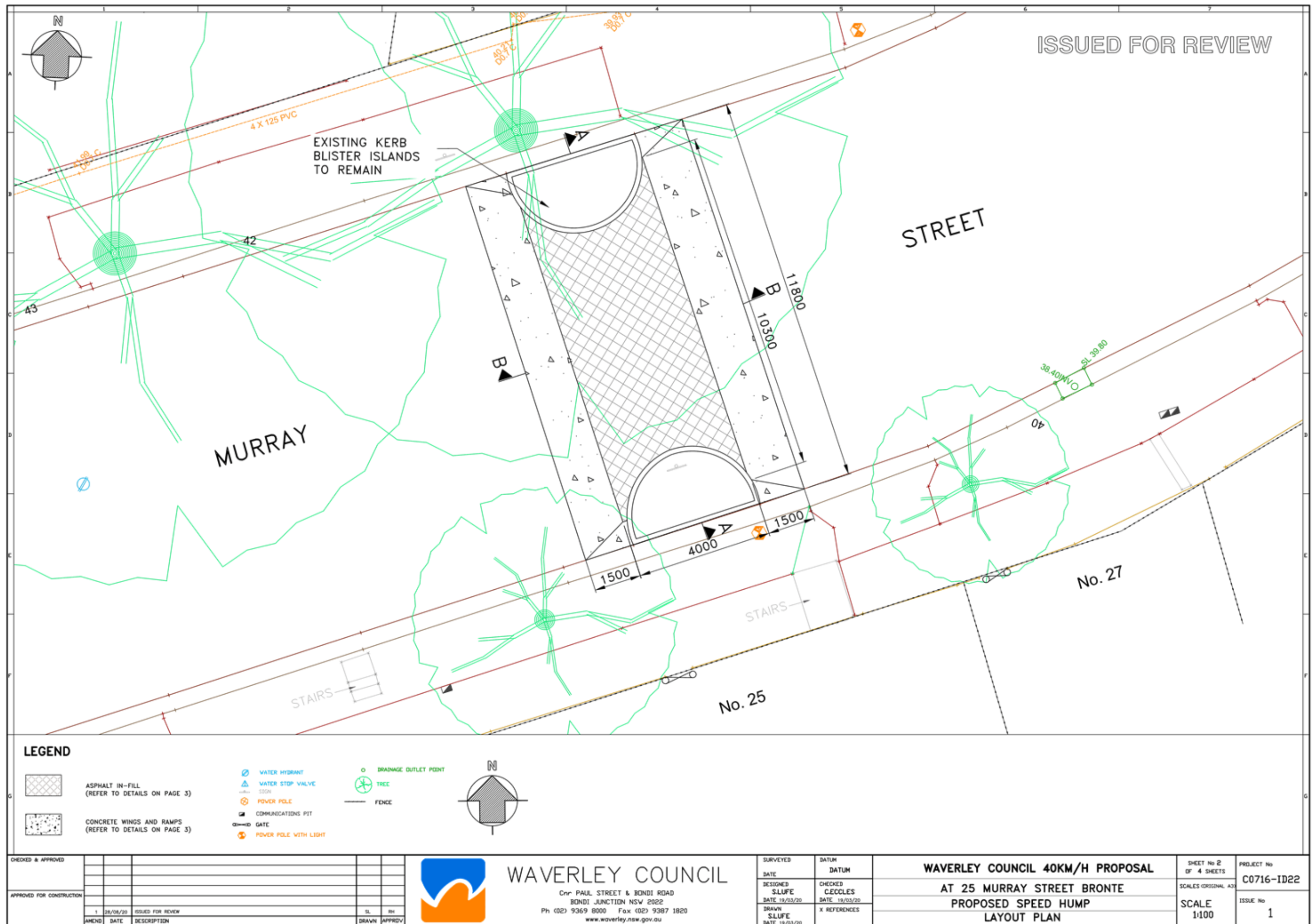
- 1/5 - NOTES AND SCHEDULES
- 2/5 - LAYOUT PLAN
- 3/5 - DETAILS SHEET
- 4/5 - SIGNAGE AND LINEMARKING PLAN
- 5/5 - SERVICES PLAN

## LOCATION OF WORKS



**LOCALITY PLAN**  
(NTS)

CHECKED & APPROVED												<b>WAVERLEY COUNCIL</b> Cnr PAUL STREET & BONDI ROAD BONDI JUNCTION NSW 2022 Ph (02) 9369 8000 Fax (02) 9387 1820 www.waverley.nsw.gov.au		SURVEYED DATE DESIGNED SLUFE DATE 19/03/20 DRAWN SLUFE DATE 19/03/20	DATUM DATUM CHECKED CECCLLES DATE 19/03/20 X REFERENCES	<b>WAVERLEY COUNCIL 40KM/H PROPOSAL</b> <b>AT 25 MURRAY STREET BRONTE</b> <b>PROPOSED SPEED HUMP</b> <b>NOTES AND SCHEDULES</b>		SHEET No 1 OF 5 SHEETS SCALES (ORIGINAL AS)	PROJECT No <b>C0716-ID22</b> ISSUE No <b>1</b>
APPROVED FOR CONSTRUCTION																			
1		28/08/20	ISSUED FOR REVIEW																
AMEND	DATE	DESCRIPTION		DRAWN	APPROV														

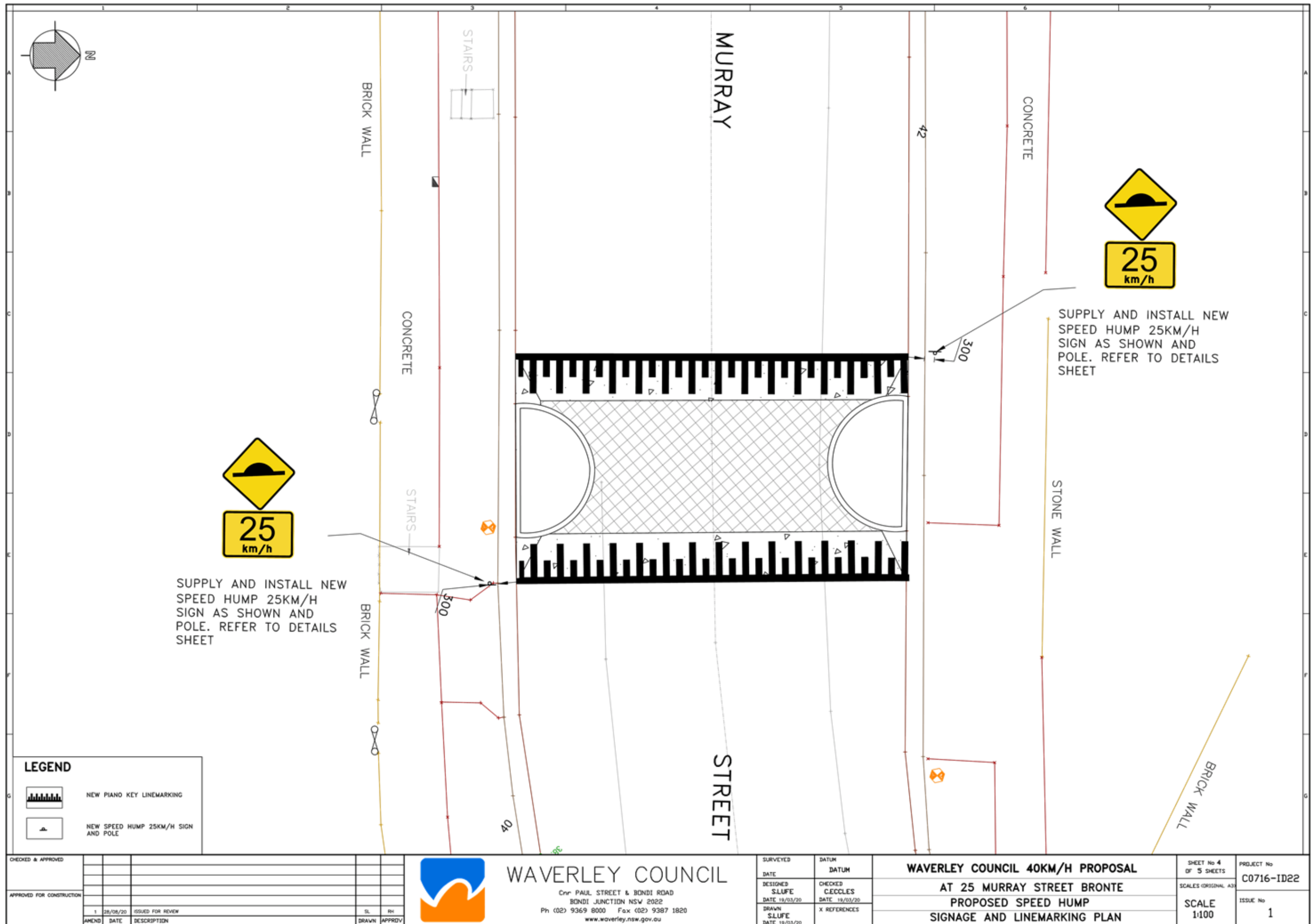


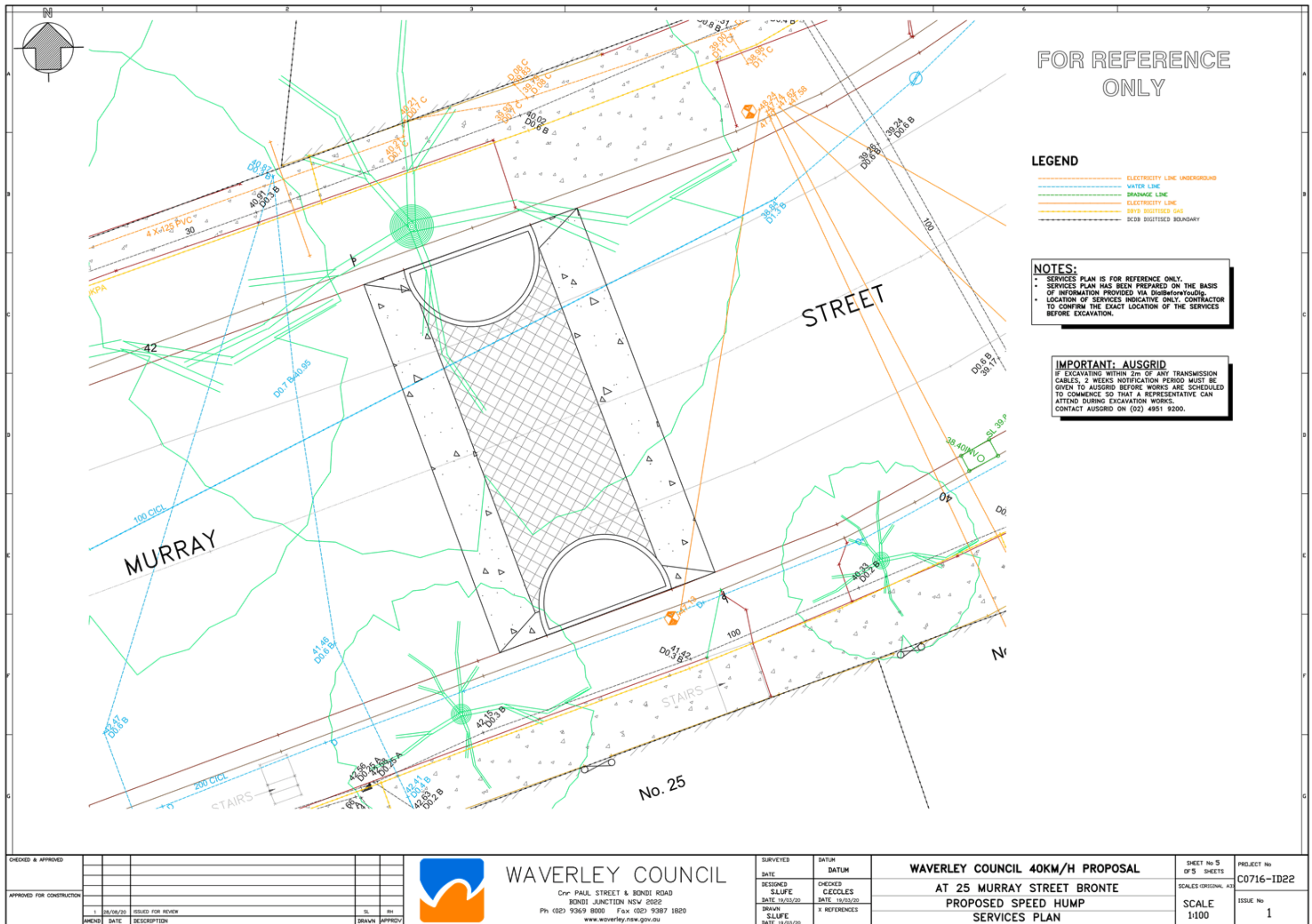




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ISSUED FOR REVIEW

# WAVERLEY COUNCIL 40KM/H PROPOSAL AT 37 MURRAY STREET, BRONTE PROPOSED KERB BUILDOUT

## GENERAL NOTES

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2. DURING CONSTRUCTION THE WORK IS TO BE SIGNPOSTED AND MARKED TO THE REQUIREMENTS OF AS1742.2-2009 AND AS1742.3-2009 "TRAFFIC CONTROL DEVICES FOR WORKS ON ROADS".
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## SERVICES

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IN CASE OF EMERGENCY, CONTACT THE FOLLOWING UTILITIES IF THEIR SERVICES ARE INVOLVED:

TELSTRA	+ 132203
AGL (GAS)	+ 131245
SYDNEY WATER	+ 132090
AUSGRID	+ 131388

**NOTE**  
ALL EXISTING SIGNS AND LINES TO REMAIN UNLESS NOTED OTHERWISE.

**IMPORTANT**  
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## CONCRETE

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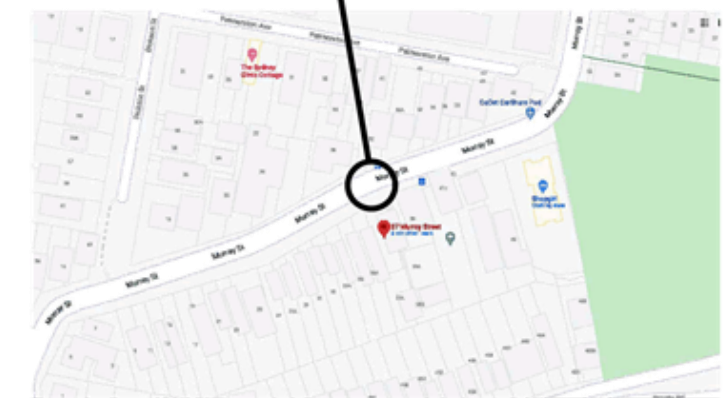
**NOTE:**  
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5. CONSTRUCTION JOINTS WHERE NOT SHOWN SHALL BE LOCATED TO THE APPROVAL OF COUNCIL'S SUPERINTENDENT.
6. NO HOLES OR CHASES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT THE PRIOR APPROVAL OF COUNCIL'S SUPERINTENDENT.
7. WELDING OF REINFORCEMENT WILL NOT BE PERMITTED UNLESS SHOWN ON THE STRUCTURAL DRAWINGS.
8. PIPES OR CONDUITS SHALL NOT BE PLACED WITHIN THE CONCRETE COVER TO REINFORCEMENT WITHOUT THE APPROVAL OF COUNCIL'S SUPERINTENDENT. THE CONCRETE COVER TO EMBEDDED PIPES OR CONDUITS SHALL BE A MINIMUM OF 20mm.
9. ALL REINFORCEMENT FABRIC SHALL COMPLY WITH AS 1303 AND AS 1304 AND SHALL BE SUPPLIED AS FLAT SHEETS.
10. ALL CONCRETE TO BE MECHANICALLY VIBRATED IN FORM TO GIVE MAXIMUM COMPACTION WITHOUT SEGREGATION OF CONCRETE.
11. PROVIDE 20mm CHAMFER TO ALL EXPOSED EDGES U.N.O.

## DRAWING SCHEDULE

- 1/5 - NOTES AND SCHEDULES
- 2/5 - LAYOUT PLAN
- 3/5 - DETAILS SHEET
- 4/5 - SIGNAGE AND LINEMARKING PLAN
- 5/5 - SERVICES PLAN

## LOCATION OF WORKS



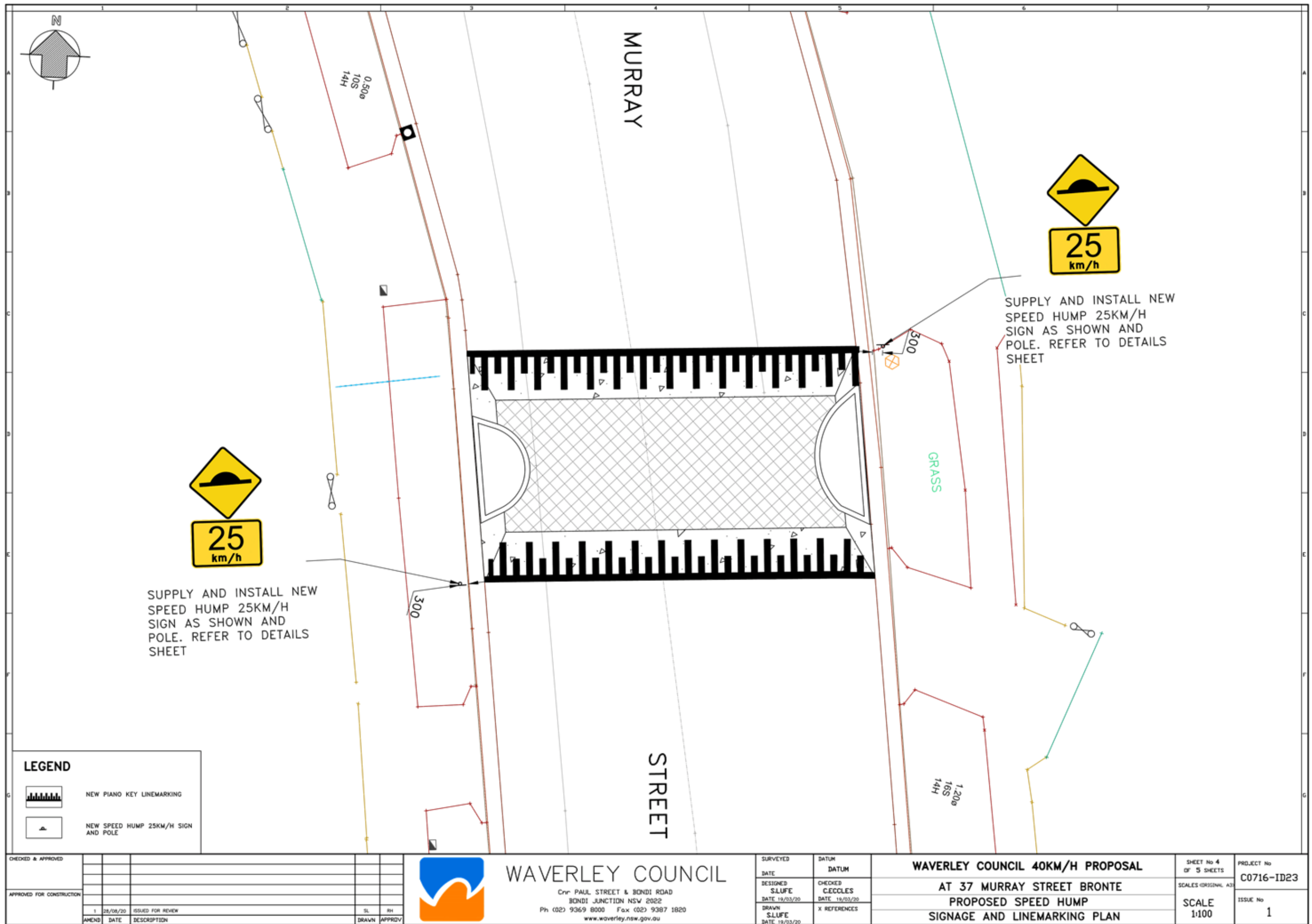
LOCALITY PLAN  
(NTS)

CHECKED & APPROVED												<b>WAVERLEY COUNCIL</b> Cnr PAUL STREET & BONDI ROAD BONDI JUNCTION NSW 2022 Ph (02) 9369 8000 Fax (02) 9387 1820 www.waverley.nsw.gov.au		SURVEYED DATE DESIGNED S.LUFE DATE 19/03/20	DATUM DATE CHECKED C.ECCLES DATE 19/03/20	<b>WAVERLEY COUNCIL 40KM/H PROPOSAL</b> <b>AT 37 MURRAY STREET BRONTE</b> <b>PROPOSED SPEED HUMP</b> <b>NOTES AND SCHEDULES</b>		SHEET No 1 OF 5 SHEETS SCALES (ORIGINAL A3) <b>SCALE</b> NTS	PROJECT No <b>C0716-ID23</b> ISSUE No <b>1</b>
APPROVED FOR CONSTRUCTION																			
1	28/08/20	ISSUED FOR REVIEW	SL	RH															
AMEND	DATE	DESCRIPTION	DRAWN	APPROV															















ISSUED FOR REVIEW

# WAVERLEY COUNCIL 40KM/H PROPOSAL AT 3 LUGAR STREET, BRONTE PROPOSED KERB BUILDOUT

## GENERAL NOTES

1. THE DESIGN DRAWINGS SHOULD BE READ IN CONJUNCTION WITH WAVERLEY COUNCIL'S STANDARD DRAWINGS.
2. DURING CONSTRUCTION THE WORK IS TO BE SIGNPOSTED AND MARKED TO THE REQUIREMENTS OF AS1742.2-2009 AND AS1742.3-2009 "TRAFFIC CONTROL DEVICES FOR WORKS ON ROADS".
3. A TRAFFIC CONTROL PLAN IS TO BE SUBMITTED TO COUNCIL'S PROJECT MANAGER FOR APPROVAL PRIOR TO WORKS.
4. SOIL AND WATER MANAGEMENT PLAN IS TO BE SUBMITTED TO COUNCIL'S PROJECT MANAGER FOR A APPROVAL PRIOR TO WORKS.
5. ALL WORK IS TO BE CARRIED OUT TO BEST PRACTICE STANDARDS AND TO THE SATISFACTION OF COUNCIL'S PROJECT MANAGER.
6. THE WORK SITE IS TO BE PROTECTED USING APPROPRIATE SIGNAGE, FENCING, BARRICADING, AND PARA-WEBBING FOR DURATION OF PROJECT CONSTRUCTION.
7. DURING WORKS, CONTRACTOR TO INSTALL TEMPORARY SIGNS - IN ACCORDANCE WITH APPROVED TCP AND MAINTAIN FOR THE DURATION OF THE WORKS.
8. ALL RESIDENTS AFFECTED BY THE PROPOSED WORKS ARE TO BE NOTIFIED AT LEAST 3 WORKING DAYS BEFORE THE COMMENCEMENT OF ROADWORKS TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
9. SUITABLE VEHICULAR ACCESS SHALL BE MAINTAINED TO EACH DRIVEWAY OR ALTERNATIVE ARRANGEMENTS MADE WITH THE OWNERS.
10. WORK TO BE CARRIED OUT WITHIN THE APPROVED HOURS ONLY.

## SERVICES

11. UTILITIES (IF SHOWN) ARE DIAGRAMMATIC ONLY AND HAVE BEEN PREPARED FROM THE INFORMATION PROVIDED BY THE RELEVANT SERVICE AUTHORITIES. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THE SERVICE AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.
12. AUSGRID REQUIRES THAT CONTRACTOR SHOULD CONTACT THEM IF WORKING WITHIN 5.0M FROM UNDERGROUND ELECTRICITY CONDUITS.
13. WHERE EXISTING SERVICE COVERS ARE NOMINATED TO BE ADJUSTED TO DESIGN LEVELS, CONTRACTOR IS TO CARRY OUT ALL WORKS IN ACCORDANCE WITH RELEVANT SERVICE AUTHORITY REQUIREMENTS.
14. NO SERVICE COVERS ARE TO BE COVERED.

## SIGNS & LINEMARKING

15. ALL TRAFFIC SIGNS TO COMPLY WITH NATSPEC 1192 & RMS SPECIFICATION R143 AND TO BE OF HIGH INTENSITY CLASS 1 REFLECTIVITY.
16. ALL LINEMARKING IS TO COMPLY WITH NATSPEC 1191 & RMS SPECIFICATION R141 - "PAVEMENT MARKING"
17. LINEMARKING TO BE IN THERMOPLASTIC TYPE (UNLESS STATED OTHERWISE) AND INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATIONS 3357 AND 3353 RESPECTIVELY. ALL RRPM'S TO COMPLY WITH RMS SPECIFICATION R142.
18. KERB FACES OF ALL ISLANDS TO BE PAINTED WHITE AND TO INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATION NO. 3353.
19. ALL LINEMARKING AND RRPM'S REMOVED OR AFFECTED DURING THE COURSE OF THE WORKS ARE TO BE REINSTATED UNLESS NOTED OTHERWISE.
20. ALL EXISTING SIGNS TO REMAIN UNLESS NOTED OTHERWISE.
21. LINEMARKING AND SIGNPOSTING TO BE INSTALLED AS SOON AS PRACTICABLE.
22. REDUNDANT LINEMARKING IS TO BE REMOVED BY GRINDING WHERE SHOWN ON PLANS OR WHERE NEW LINEMARKING IS PROVIDED.
23. ALL SIGNPOSTING ON SPLITTER, KERB OR PEDESTRIAN REFUGE ISLANDS TO BE ERECTED USING V-NOTCH INSERTS, UNLESS NOTED OTHERWISE.
24. UNLESS SHOWN ON PLANS, NO STATE SURVEY MARKS ARE TO BE REMOVED PRIOR TO CONSULTING WITH COUNCIL'S SUPERINTENDENT.
25. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.



UTILITIES, IF SHOWN, ARE DIAGRAMMATIC ONLY. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.

IN CASE OF EMERGENCY, CONTACT THE FOLLOWING UTILITIES IF THEIR SERVICES ARE INVOLVED:

TELSTRA	: 132203
AGL (GAS)	: 131245
SYDNEY WATER	: 132090
AUSGRID	: 131388

**NOTE**  
ALL EXISTING SIGNS AND LINES TO REMAIN UNLESS NOTED OTHERWISE.

**IMPORTANT**  
REDUNDANT LINE MARKING MUST BE REMOVED BY GRINDING WHERE INDICATED ON PLANS.

## CONCRETE

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
2. CONCRETE QUALITY.

ELEMENT	SLUMP	MAX AGGREGATE SIZE	CEMENT TYPE	CEMENT GRADE
ALL	80mm	20mm	GP	25MPa

NO ADMIXTURES SHALL BE USED WITHOUT THE APPROVAL OF COUNCIL'S SUPERINTENDENT.  
CLEAR CONCRETE COVER TO REINFORCEMENT SHALL BE AS FOLLOWS UNLESS OTHERWISE SHOWN:-

ELEMENT	SURFACE OF MEMBER IN INTERIOR ENVIRONMENT	SURFACE OF MEMBER IN ABOVE GROUND EXTERIOR ENVIRONMENT	SURFACE OF MEMBER IN CONTACT WITH GROUND (1)	SURFACE OF MEMBER IN WATER
ALL	35	45	55	75

### NOTE:

1. COVER MAY BE REDUCED BY 10mm IF THE SURFACE IS PROTECTED BY A DAMP-PROOF MEMBRANE.
2. SLABS EXPOSED TO CORROSIVE VAPOURS, CORROSIVE GROUND WATER, SEA WATER, OR SPRAY ARE TO HAVE REINFORCEMENT COVER AS NOTED ON THE DRAWINGS.

## DRAWING SCHEDULE

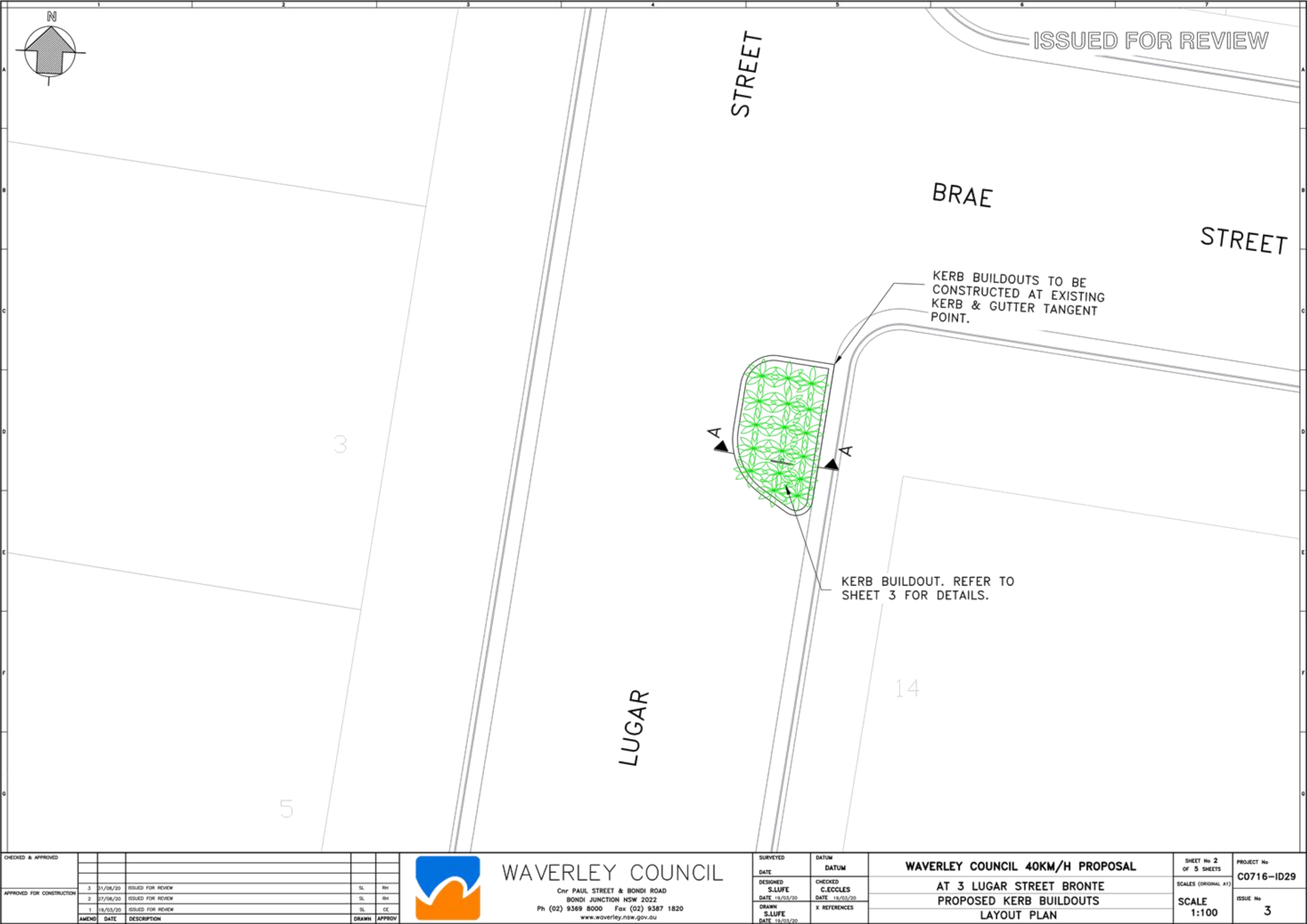
- 1/5 - NOTES AND SCHEDULES
- 2/5 - LAYOUT PLAN
- 3/5 - DETAILS SHEET
- 4/5 - SIGNAGE PLAN
- 5/5 - VEHICLE SWEEP PATH

LOCATION OF WORKS



LOCALITY PLAN  
(NTS)

CHECKED & APPROVED				WAVERLEY COUNCIL				SURVEYED		DATUM		WAVERLEY COUNCIL 40KM/H PROPOSAL		SHEET No 1 OF 5 SHEETS		PROJECT No	
APPROVED FOR CONSTRUCTION				Cnr PAUL STREET & BONDI ROAD BONDI JUNCTION NSW 2022 Ph (02) 9369 8000 Fax (02) 9387 1820 www.waverley.nsw.gov.au				DATE		CHECKED		AT 3 LUGAR STREET BRONTE		SCALE		ISSUE No	
								DESIGNED		C.ECCLES		PROPOSED KERB BUILDOUTS		NTS		3	
								DATE		DATE		NOTES AND SCHEDULES					
								DRAWN		X REFERENCES							
								S.LUFE									
								DATE		19/03/20							



CHECKED & APPROVED					
APPROVED FOR CONSTRUCTION					
3	31/08/20	ISSUED FOR REVIEW	SL	RH	
2	27/08/20	ISSUED FOR REVIEW	SL	RH	
1	19/03/20	ISSUED FOR REVIEW	SL	CE	
AMEND	DATE	DESCRIPTION	DRAWN	APPROV	



**WAVERLEY COUNCIL**  
Cnr PAUL STREET & BONDI ROAD  
BONDI JUNCTION NSW 2022  
Ph (02) 9369 8000 Fax (02) 9387 1820  
www.waverley.nsw.gov.au

SURVEYED	DATUM
DATE	DATUM
DESIGNED	CHECKED
S.LUFE	C.ECCLES
DATE 19/03/20	DATE 19/03/20
DRAWN	X REFERENCES
S.LUFE	
DATE 19/03/20	

**WAVERLEY COUNCIL 40KM/H PROPOSAL**  
**AT 3 LUGAR STREET BRONTE**  
**PROPOSED KERB BUILDOUTS**  
**LAYOUT PLAN**

SHEET No 2 OF 5 SHEETS	PROJECT No <b>C0716-ID29</b>
SCALE (ORIGINAL A1)	ISSUE No <b>3</b>
<b>SCALE</b> <b>1:100</b>	



SUPPLY AND INSTALL D4-1-2(L)(R) SIGN ON SHORT STEM USING V-LOCKS.

SUPPLY AND INSTALL DIANELLA CONGESTA or DIANELLA CAERULEA, SIZE NOT LESS THAN 150mm. QUANTITY 6 PER m<sup>2</sup>

POT

EXISTING GUTTER

25 MPa CONCRETE KERB AND GUTTER. REFER TO DETAIL "C"

ROAD

EXISTING ROAD SLAB

100

25mm THICK ANIL HAWKESBURY SANDSTONE PEBBLE, SIZE 10mm AS SPECIFIED BY AUSTRALIAN NATIVE LANDSCAPES or EQUIVALENT APPROVED

400mm ANIL NATIVE LOW 'P' MIX

SEE PLAN

SAW CUT 225

MASS CONCRETE SUPPORT

**X-SECTION A-A**

SCALE 1:50

NOTE: TO BE APPROVED BY OPEN SPACES PRIOR TO CONSTRUCTION

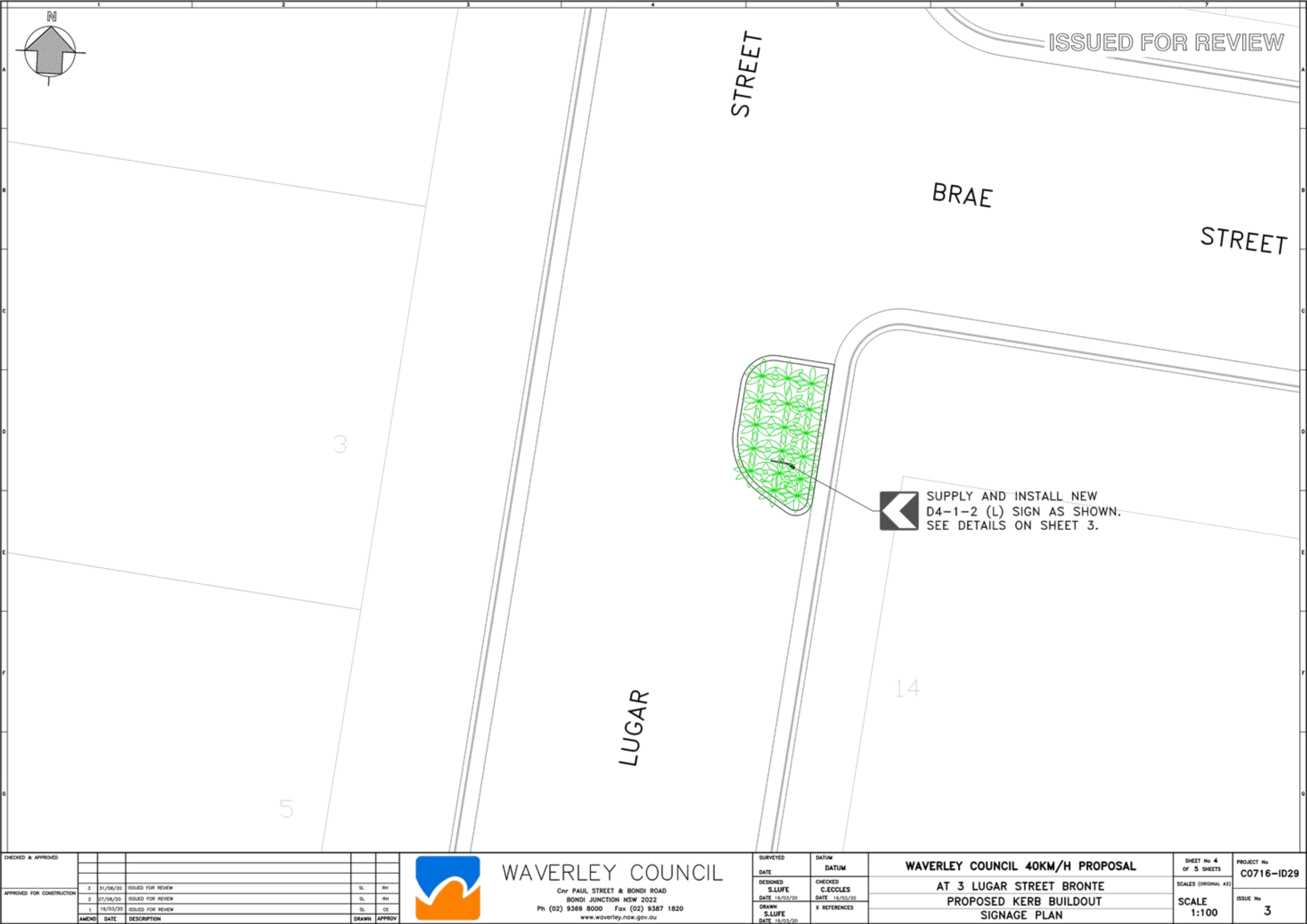
CLASS A 60
CLASS B 160
CLASS C 225

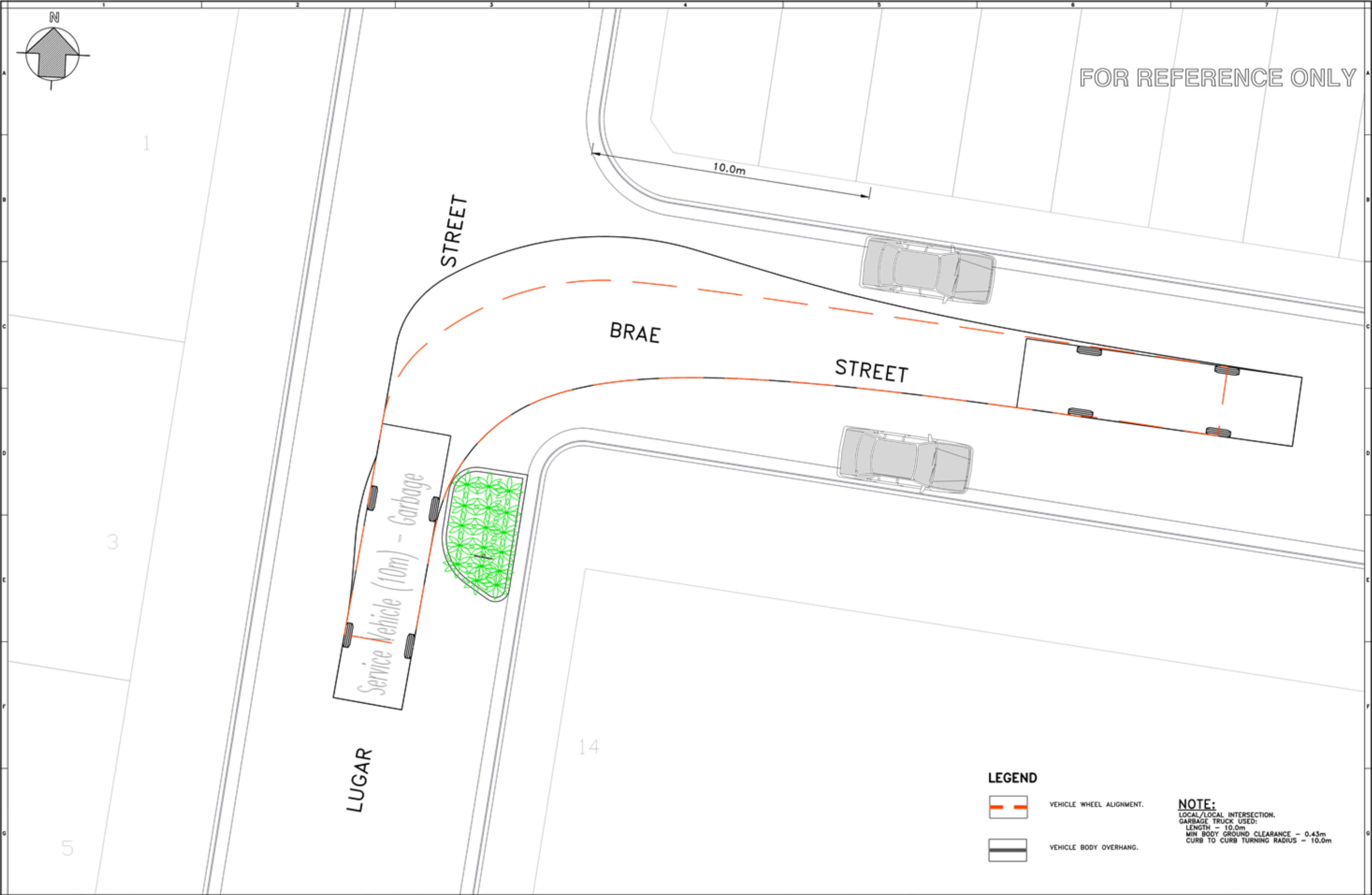
(SEE NOTES)

**MOUNTABLE KERB-TYPE 1**  
**(KEYED IN)**  
 SCALE 1:20

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.
2. CLASS A REFERS TO RESIDENTIAL USE.
3. CLASS B REFERS TO GARDEN BED SURROUND ONLY.
4. CLASS C REFERS TO MEDIUM DENSITY COMMERCIAL AND INDUSTRIAL USE.
5. ROAD BASE TO BE EXTENDED BENEATH KERBS, GUTTERS, APRONS AND DISH CROSSINGS.
6. CONCRETE TO BE OF 25MPa COMPRESSIVE STRENGTH AT 28 DAYS FOR KERBING AND GUTTERING AND MISCELLANEOUS KERBING AND EDGE STRIP.
7. REINFORCING FABRIC TO AUSTRALIAN STANDARD 1304-1991 (WELDED WIRE REINFORCING FABRIC FOR CONCRETE).
8. ROOF WATER OUTLETS 90mm DIA. TO BE PROVIDED OPPOSITE LOW SIDE OF EVERY LOT. INVERT OF OUTLET TO BE LEVEL WITH INVERT OF GUTTER.

Page 62





CHECKED & APPROVED							<b>WAVERLEY COUNCIL</b>  Cnr PAUL STREET & BONDI ROAD BONDI JUNCTION NSW 2022 Ph (02) 9369 8000 Fax (02) 9387 1820 www.waverley.nsw.gov.au	SURVEYED		DATUM		<b>WAVERLEY COUNCIL 40KM/H PROPOSAL</b>  <b>AT 3 LUGAR STREET BRONTE</b> <b>PROPOSED KERB BUILDOUT</b> <b>VEHICLE SWEEP PATH</b>		SHEET No 5 OF 5 SHEETS		PROJECT No <b>C0716-ID29</b>			
APPROVED FOR CONSTRUCTION								DESIGNED	CHECKED	DATE				DATE		SCALES (ORIGINAL A3)		ISSUE No	
	3	31/08/20	ISSUED FOR REVIEW	SL	RH			DATE	C.ECCLES	19/03/20				19/03/20		SCALE		3	
	2	27/08/20	ISSUED FOR REVIEW	SL	RH									1:125					
	1	19/03/20	ISSUED FOR REVIEW	SL	CE					DRAWN		X REFERENCES							
										S.LUFE									
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# ISSUED FOR REVIEW

## WAVERLEY COUNCIL 40KM/H PROPOSAL AT 2 BIRRELL STREET, BONDI PROPOSED RAISED PEDESTRIAN CROSSING

### GENERAL NOTES

1. THE DESIGN DRAWINGS SHOULD BE READ IN CONJUNCTION WITH WAVERLEY COUNCIL'S STANDARD DRAWINGS.
2. DURING CONSTRUCTION THE WORK IS TO BE SIGNPOSTED AND MARKED TO THE REQUIREMENTS OF AS1742.2-2009 AND AS1742.3-2009 "TRAFFIC CONTROL DEVICES FOR WORKS ON ROADS".
3. A TRAFFIC CONTROL PLAN IS TO BE SUBMITTED TO COUNCIL'S PROJECT MANAGER FOR APPROVAL PRIOR TO WORKS.
4. SOIL AND WATER MANAGEMENT PLAN IS TO BE SUBMITTED TO COUNCIL'S PROJECT MANAGER FOR A APPROVAL PRIOR TO WORKS.
5. ALL WORK IS TO BE CARRIED OUT TO BEST PRACTICE STANDARDS AND TO THE SATISFACTION OF COUNCIL'S PROJECT MANAGER.
6. THE WORK SITE IS TO BE PROTECTED USING APPROPRIATE SIGNAGE, FENCING, BARRICADING, AND PARA-WEBBING FOR DURATION OF PROJECT CONSTRUCTION.
7. DURING WORKS, CONTRACTOR TO INSTALL TEMPORARY SIGNS - IN ACCORDANCE WITH APPROVED TCP AND MAINTAIN FOR THE DURATION OF THE WORKS.
8. ALL RESIDENTS AFFECTED BY THE PROPOSED WORKS ARE TO BE NOTIFIED AT LEAST 3 WORKING DAYS BEFORE THE COMMENCEMENT OF ROADWORKS TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
9. SUITABLE VEHICULAR ACCESS SHALL BE MAINTAINED TO EACH DRIVEWAY OR ALTERNATIVE ARRANGEMENTS MADE WITH THE OWNERS.
10. WORK TO BE CARRIED OUT WITHIN THE APPROVED HOURS ONLY.

### SERVICES

11. UTILITIES (IF SHOWN) ARE DIAGRAMMATIC ONLY AND HAVE BEEN PREPARED FROM THE INFORMATION PROVIDED BY THE RELEVANT SERVICE AUTHORITIES. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THE SERVICE AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.
12. AUSGRID REQUIRES THAT CONTRACTOR SHOULD CONTACT THEM IF WORKING WITHIN 5.0M FROM UNDERGROUND ELECTRICITY CONDUITS.
13. WHERE EXISTING SERVICE COVERS ARE NOMINATED TO BE ADJUSTED TO DESIGN LEVELS, CONTRACTOR IS TO CARRY OUT ALL WORKS IN ACCORDANCE WITH RELEVANT SERVICE AUTHORITY REQUIREMENTS.
14. **NO SERVICE COVERS ARE TO BE COVERED.**

### SIGNS & LINEMARKING

15. ALL TRAFFIC SIGNS TO COMPLY WITH NATSPEC 1192 & RMS SPECIFICATION R143 AND TO BE OF HIGH INTENSITY CLASS 1 REFLECTIVITY.
16. ALL LINEMARKING IS TO COMPLY WITH NATSPEC 1191 & RMS SPECIFICATION R141 - "PAVEMENT MARKING"
17. LINEMARKING TO BE IN THERMOPLASTIC TYPE (UNLESS STATED OTHERWISE) AND INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATIONS 3357 AND 3353 RESPECTIVELY. ALL RRPM'S TO COMPLY WITH RMS SPECIFICATION R142.
18. KERB FACES OF ALL ISLANDS TO BE PAINTED WHITE AND TO INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATION NO. 3353.
19. ALL LINEMARKING AND RRPM'S REMOVED OR AFFECTED DURING THE COURSE OF THE WORKS ARE TO BE REINSTATED UNLESS NOTED OTHERWISE.
20. ALL EXISTING SIGNS TO REMAIN UNLESS NOTED OTHERWISE.
21. LINEMARKING AND SIGNPOSTING TO BE INSTALLED AS SOON AS PRACTICABLE.
22. REDUNDANT LINEMARKING IS TO BE REMOVED BY GRINDING WHERE SHOWN ON PLANS OR WHERE NEW LINEMARKING IS PROVIDED.
23. ALL SIGNPOSTING ON SPLITTER, KERB OR PEDESTRIAN REFUGE ISLANDS TO BE ERECTED USING V-NOTCH INSERTS, UNLESS NOTED OTHERWISE.
24. UNLESS SHOWN ON PLANS, NO STATE SURVEY MARKS ARE TO BE REMOVED PRIOR TO CONSULTING WITH COUNCIL'S SUPERINTENDENT.
25. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.



UTILITIES, IF SHOWN, ARE DIAGRAMMATIC ONLY. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.

IN CASE OF EMERGENCY, CONTACT THE FOLLOWING UTILITIES IF THEIR SERVICES ARE INVOLVED:

TELSTRA	: 132203
AGL (GAS)	: 131245
SYDNEY WATER	: 132090
AUSGRID	: 131388

**LINEMARKING**  
ALL NEW LINEMARKING TO BE IN THERMOPLASTIC UNLESS NOTED OTHERWISE

**NOTE**  
ALL EXISTING SIGNS AND LINES TO REMAIN UNLESS NOTED OTHERWISE.

**IMPORTANT**  
REDUNDANT LINE MARKING MUST BE REMOVED BY GRINDING WHERE INDICATED ON PLANS.

### CONCRETE

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
2. CONCRETE QUALITY.

ELEMENT	SLUMP	MAX AGGREGATE SIZE	CEMENT TYPE	CEMENT GRADE
ALL	80mm	20mm	GP	25MPa

NO ADMIXTURES SHALL BE USED WITHOUT THE APPROVAL OF COUNCIL'S SUPERINTENDENT.  
3. CLEAR CONCRETE COVER TO REINFORCEMENT SHALL BE AS FOLLOWS UNLESS OTHERWISE SHOWN-

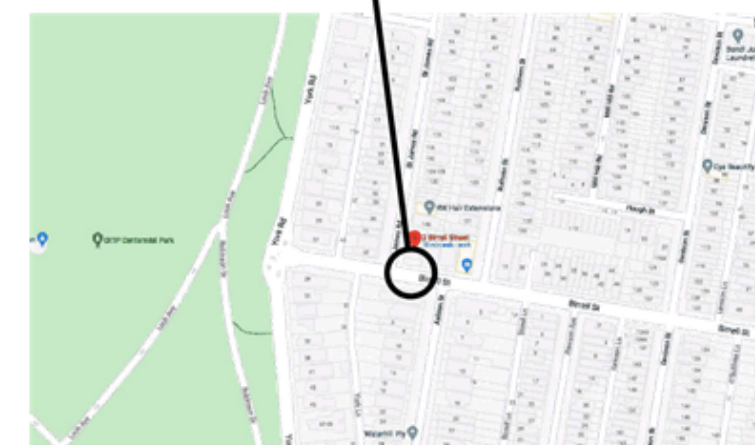
ELEMENT	SURFACE OF MEMBER IN INTERIOR ENVIRONMENT	SURFACE OF MEMBER IN ABOVE GROUND EXTERIOR ENVIRONMENT	SURFACE OF MEMBER IN CONTACT WITH GROUND (1)	SURFACE OF MEMBER IN WATER
ALL	35	45	55	75

**NOTE:**  
1. COVER MAY BE REDUCED BY 10mm IF THE SURFACE IS PROTECTED BY A DAMP-PROOF MEMBRANE.  
2. SLABS EXPOSED TO CORROSIVE VAPOURS, CORROSIVE GROUND WATER, SEA WATER, OR SPRAY ARE TO HAVE REINFORCEMENT COVER AS NOTED ON THE DRAWINGS.

### DRAWING SCHEDULE

- 1/5 - NOTES AND SCHEDULES
- 2/5 - LAYOUT PLAN
- 3/5 - DETAILS SHEET
- 4/5 - SIGNAGE AND LINEMARKING PLAN
- 5/5 - SERVICES PLAN

### LOCATION OF WORKS



**LOCALITY PLAN**  
(NTS)

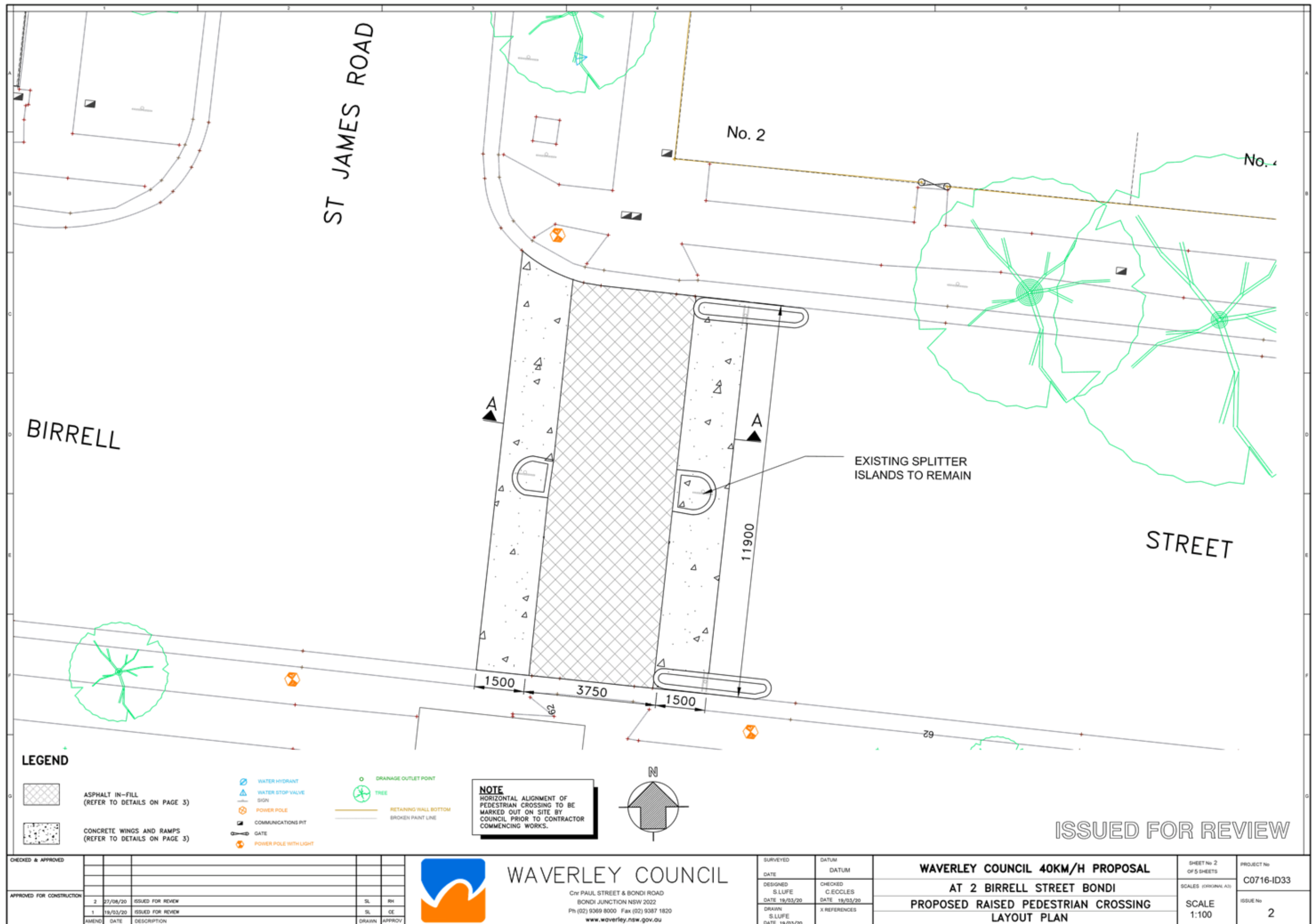
CHECKED & APPROVED					
APPROVED FOR CONSTRUCTION					
2	27/08/20	ISSUED FOR REVIEW	SL	RM	
1	19/03/20	ISSUED FOR REVIEW	SL	CE	
AMEND	DATE	DESCRIPTION	DRAWN	APPROV	



**WAVERLEY COUNCIL**

Chr PAUL STREET & BONDI ROAD  
BONDI JUNCTION NSW 2022  
Ph (02) 9369 8000 Fax (02) 9387 1820  
www.waverley.nsw.gov.au

SURVEYED DATE	DATUM DATUM	<b>WAVERLEY COUNCIL 40KM/H PROPOSAL</b>		SHEET No 1 OF 5 SHEETS	PROJECT No C0716-ID33
DESIGNED S.LUFE DATE 19/03/20	CHECKED C.ECCLES DATE 19/03/20	<b>AT 2 BIRRELL STREET BONDI</b>		SCALE (ORIGINAL A3)	ISSUE No 2
DRAWN S.LUFE DATE 19/03/20	X REFERENCES	<b>PROPOSED RAISED PEDESTRIAN CROSSING</b>		SCALE NTS	
		<b>NOTES AND SCHEDULES</b>			





ROAD RECTIFICATION. REFER TO CIVIL DETAIL

EXISTING BASE

CONCRETE RAMP 1500

RAISED THRESHOLD

FULL DEPTH ASPHALTIC CONCRETE ROAD. REFER DETAIL

EXISTING BASE

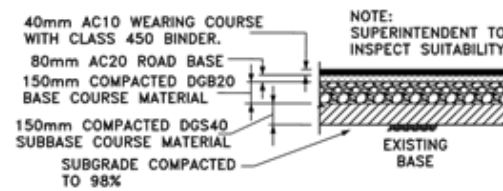
300 MIN.

100

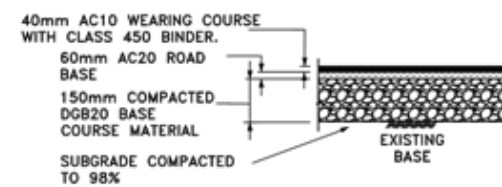
SLB2 FABRIC, TOP AND BOTTOM (50 COVER)

N12-200 (50 COVER) + 2 N12

**SECTION A-A**  
SCALE 1:50

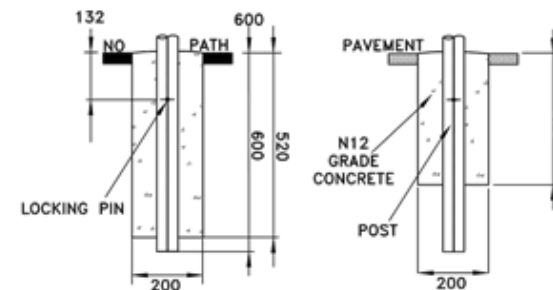


FULL DEPTH ASPHALT CONCRETE ROAD  
SCALE 1:50



# ROAD RECTIFICATION

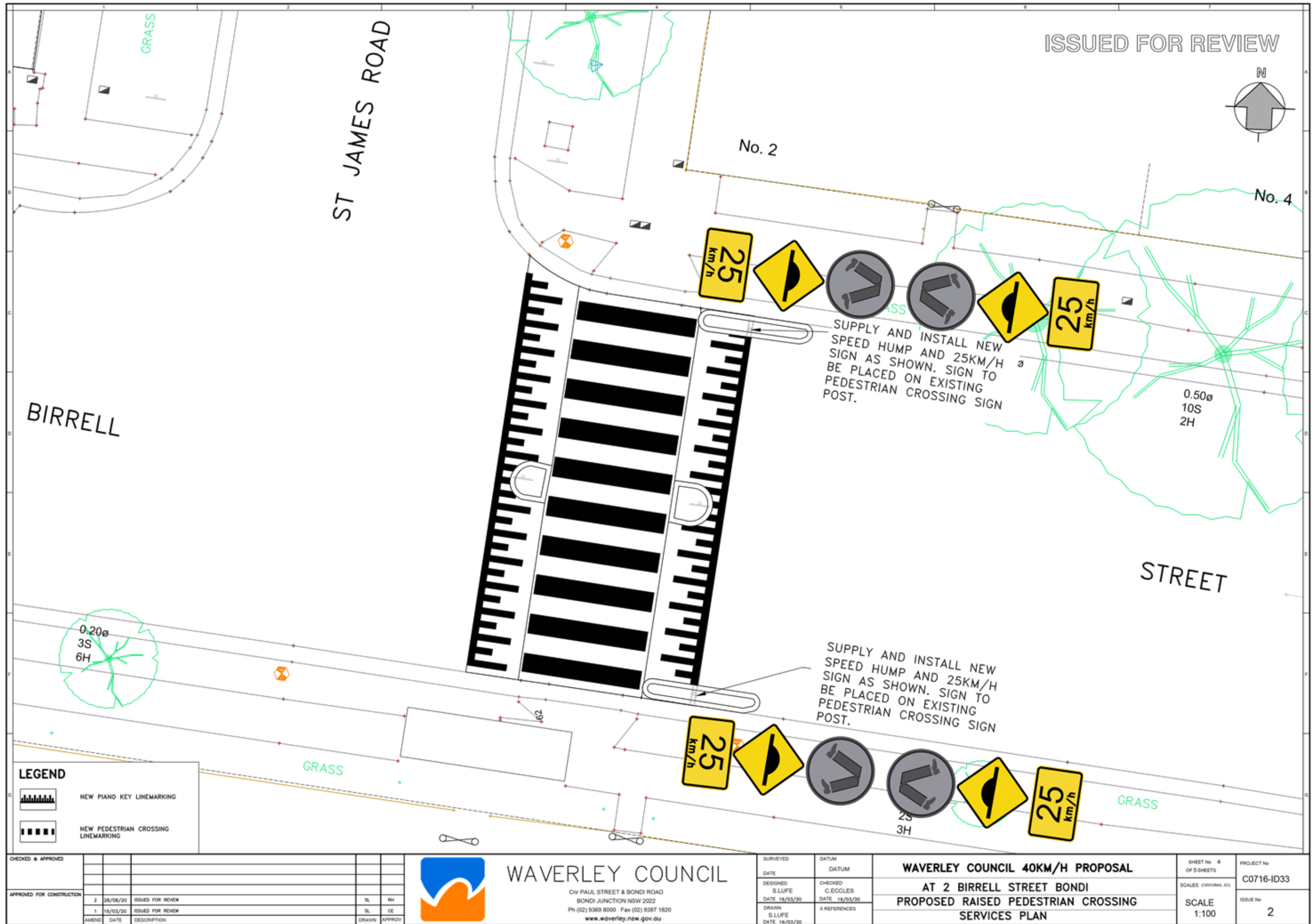
SCALE 1:50

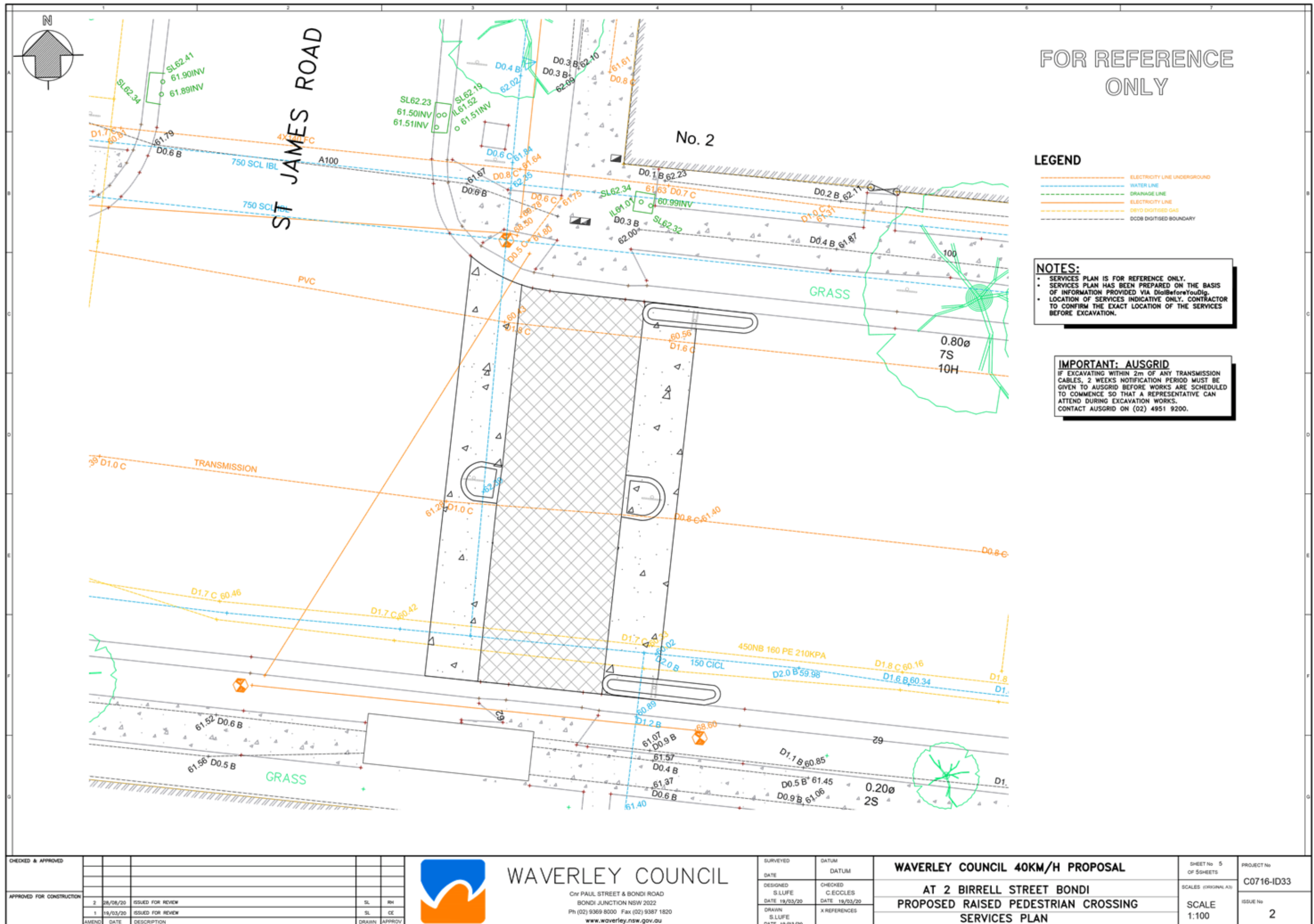


**SIGNPOST FOOTING**  
SCALE 1:20

CHECKED & APPROVED							WAVERLEY COUNCIL	Cnr PAUL STREET & BONDI ROAD BONDI JUNCTION NSW 2022 Ph (02) 9369 8000 Fax (02) 9387 1820 <a href="http://www.waverley.nsw.gov.au">www.waverley.nsw.gov.au</a>	SURVEYED	DATUM	WAVERLEY COUNCIL 40KM/H PROPOSAL	SHEET No 3 OF 5 SHEETS	PROJECT No
									DATE	DATUM			
APPROVED FOR CONSTRUCTION	2	28/08/20	ISSUED FOR REVIEW	SL	RH				DESIGNED S.LUFE DATE 18/03/20	CHECKED C.ECCLES DATE 18/03/20	AT 2 BIRRELL STREET BONDI PROPOSED RAISED PEDESTRIAN CROSSING SERVICES PLAN	SCALES (ORIGINAL A3)	
	1	18/03/20	ISSUED FOR REVIEW	SL	CE				DRAWN S.LUFE DATE 18/03/20	X REFERENCES		SCALE	ISSUE No
	AMEND	DATE	DESCRIPTION		DRAWN	APPROV							2









# WAVERLEY COUNCIL 40KM/H PROPOSAL 67 BIRRELL STREET, BONDI PROPOSED RAISED PEDESTRIAN CROSSING

ISSUED FOR REVIEW

## GENERAL NOTES

1. THE DESIGN DRAWINGS SHOULD BE READ IN CONJUNCTION WITH WAVERLEY COUNCIL'S STANDARD DRAWINGS.
2. DURING CONSTRUCTION THE WORK IS TO BE SIGNPOSTED AND MARKED TO THE REQUIREMENTS OF AS1742.2-2009 AND AS1742.3-2009 "TRAFFIC CONTROL DEVICES FOR WORKS ON ROADS".
3. A TRAFFIC CONTROL PLAN IS TO BE SUBMITTED TO COUNCIL'S PROJECT MANAGER FOR APPROVAL PRIOR TO WORKS.
4. SOIL AND WATER MANAGEMENT PLAN IS TO BE SUBMITTED TO COUNCIL'S PROJECT MANAGER FOR A APPROVAL PRIOR TO WORKS.
5. ALL WORK IS TO BE CARRIED OUT TO BEST PRACTICE STANDARDS AND TO THE SATISFACTION OF COUNCIL'S PROJECT MANAGER.
6. THE WORK SITE IS TO BE PROTECTED USING APPROPRIATE SIGNAGE, FENCING, BARRICADING, AND PARA-WEBBING FOR DURATION OF PROJECT CONSTRUCTION.
7. DURING WORKS, CONTRACTOR TO INSTALL TEMPORARY SIGNS - IN ACCORDANCE WITH APPROVED TCP AND MAINTAIN FOR THE DURATION OF THE WORKS.
8. ALL RESIDENTS AFFECTED BY THE PROPOSED WORKS ARE TO BE NOTIFIED AT LEAST 3 WORKING DAYS BEFORE THE COMMENCEMENT OF ROADWORKS TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
9. SUITABLE VEHICULAR ACCESS SHALL BE MAINTAINED TO EACH DRIVEWAY OR ALTERNATIVE ARRANGEMENTS MADE WITH THE OWNERS.
10. WORK TO BE CARRIED OUT WITHIN THE APPROVED HOURS ONLY.

## SERVICES

11. UTILITIES (IF SHOWN) ARE DIAGRAMMATIC ONLY AND HAVE BEEN PREPARED FROM THE INFORMATION PROVIDED BY THE RELEVANT SERVICE AUTHORITIES. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THE SERVICE AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.
12. AUSGRID REQUIRES THAT CONTRACTOR SHOULD CONTACT THEM IF WORKING WITHIN 5.0M FROM UNDERGROUND ELECTRICITY CONDUITS.
13. WHERE EXISTING SERVICE COVERS ARE NOMINATED TO BE ADJUSTED TO DESIGN LEVELS, CONTRACTOR IS TO CARRY OUT ALL WORKS IN ACCORDANCE WITH RELEVANT SERVICE AUTHORITY REQUIREMENTS.
14. NO SERVICE COVERS ARE TO BE COVERED.

## SIGNS & LINEMARKING

15. ALL TRAFFIC SIGNS TO COMPLY WITH NATSPEC 1192 & RMS SPECIFICATION R143 AND TO BE OF HIGH INTENSITY CLASS 1 REFLECTIVITY.
16. ALL LINEMARKING IS TO COMPLY WITH NATSPEC 1191 & RMS SPECIFICATION R141 - "PAVEMENT MARKING"
17. LINEMARKING TO BE IN THERMOPLASTIC TYPE (UNLESS STATED OTHERWISE) AND INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATIONS 3357 AND 3353 RESPECTIVELY. ALL RRPMS TO COMPLY WITH RMS SPECIFICATION R142.
18. KERB FACES OF ALL ISLANDS TO BE PAINTED WHITE AND TO INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATION NO. 3353.
19. ALL LINEMARKING AND RRPMS REMOVED OR AFFECTED DURING THE COURSE OF THE WORKS ARE TO BE REINSTATED UNLESS NOTED OTHERWISE.
20. ALL EXISTING SIGNS TO REMAIN UNLESS NOTED OTHERWISE.
21. LINEMARKING AND SIGNPOSTING TO BE INSTALLED AS SOON AS PRACTICABLE.
22. REDUNDANT LINEMARKING IS TO BE REMOVED BY GRINDING WHERE SHOWN ON PLANS OR WHERE NEW LINEMARKING IS PROVIDED.
23. ALL SIGNPOSTING ON SPLITTER, KERB OR PEDESTRIAN REFUGE ISLANDS TO BE ERECTED USING V-NOTCH INSERTS, UNLESS NOTED OTHERWISE.
24. UNLESS SHOWN ON PLANS, NO STATE SURVEY MARKS ARE TO BE REMOVED PRIOR TO CONSULTING WITH COUNCIL'S SUPERINTENDENT.
25. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.



UTILITIES, IF SHOWN, ARE DIAGRAMMATIC ONLY. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.

IN CASE OF EMERGENCY, CONTACT THE FOLLOWING UTILITIES IF THEIR SERVICES ARE INVOLVED:

TELSTRA	: 132203
AQU (GAS)	: 131245
SYDNEY WATER	: 132090
AUSGRID	: 131388

**LINEMARKING**  
ALL NEW LINEMARKING TO BE IN THERMOPLASTIC UNLESS NOTED OTHERWISE

**NOTE**  
ALL EXISTING SIGNS AND LINES TO REMAIN UNLESS NOTED OTHERWISE.

**IMPORTANT**  
REDUNDANT LINE MARKING MUST BE REMOVED BY GRINDING WHERE INDICATED ON PLANS.

## CONCRETE

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
2. CONCRETE QUALITY.

ELEMENT	SLUMP	MAX AGGREGATE SIZE	CEMENT TYPE	CEMENT GRADE
ALL	80mm	20mm	GP	25MPa

NO ADMIXTURES SHALL BE USED WITHOUT THE APPROVAL OF COUNCIL'S SUPERINTENDENT.

3. CLEAR CONCRETE COVER TO REINFORCEMENT SHALL BE AS FOLLOWS UNLESS OTHERWISE SHOWN-

ELEMENT	SURFACE OF MEMBER IN INTERIOR ENVIRONMENT	SURFACE OF MEMBER IN ABOVE GROUND EXTERIOR ENVIRONMENT	SURFACE OF MEMBER IN CONTACT WITH GROUND (1)	SURFACE OF MEMBER IN WATER
ALL	35	45	55	75

**NOTE:**  
1. COVER MAY BE REDUCED BY 10mm IF THE SURFACE IS PROTECTED BY A DAMP-PROOF MEMBRANE.  
2. SLABS EXPOSED TO CORROSIVE VAPOURS, CORROSIVE GROUND WATER, SEA WATER, OR SPRAY ARE TO HAVE REINFORCEMENT COVER AS NOTED ON THE DRAWINGS.

## DRAWING SCHEDULE

- 1/5 - NOTES AND SCHEDULES
- 2/5 - LAYOUT PLAN
- 3/5 - DETAILS SHEET
- 4/5 - SIGNAGE AND LINEMARKING PLAN
- 5/5 - SERVICES PLAN

## LOCATION OF WORKS



**LOCALITY PLAN**  
(NTS)

CHECKED & APPROVED					
APPROVED FOR CONSTRUCTION	2	27/08/20	ISSUED FOR REVIEW	SL	RH
	1	19/03/20	ISSUED FOR REVIEW	SL	CE
AMEND	DATE	DESCRIPTION	DRAWN	APPROV	



**WAVERLEY COUNCIL**

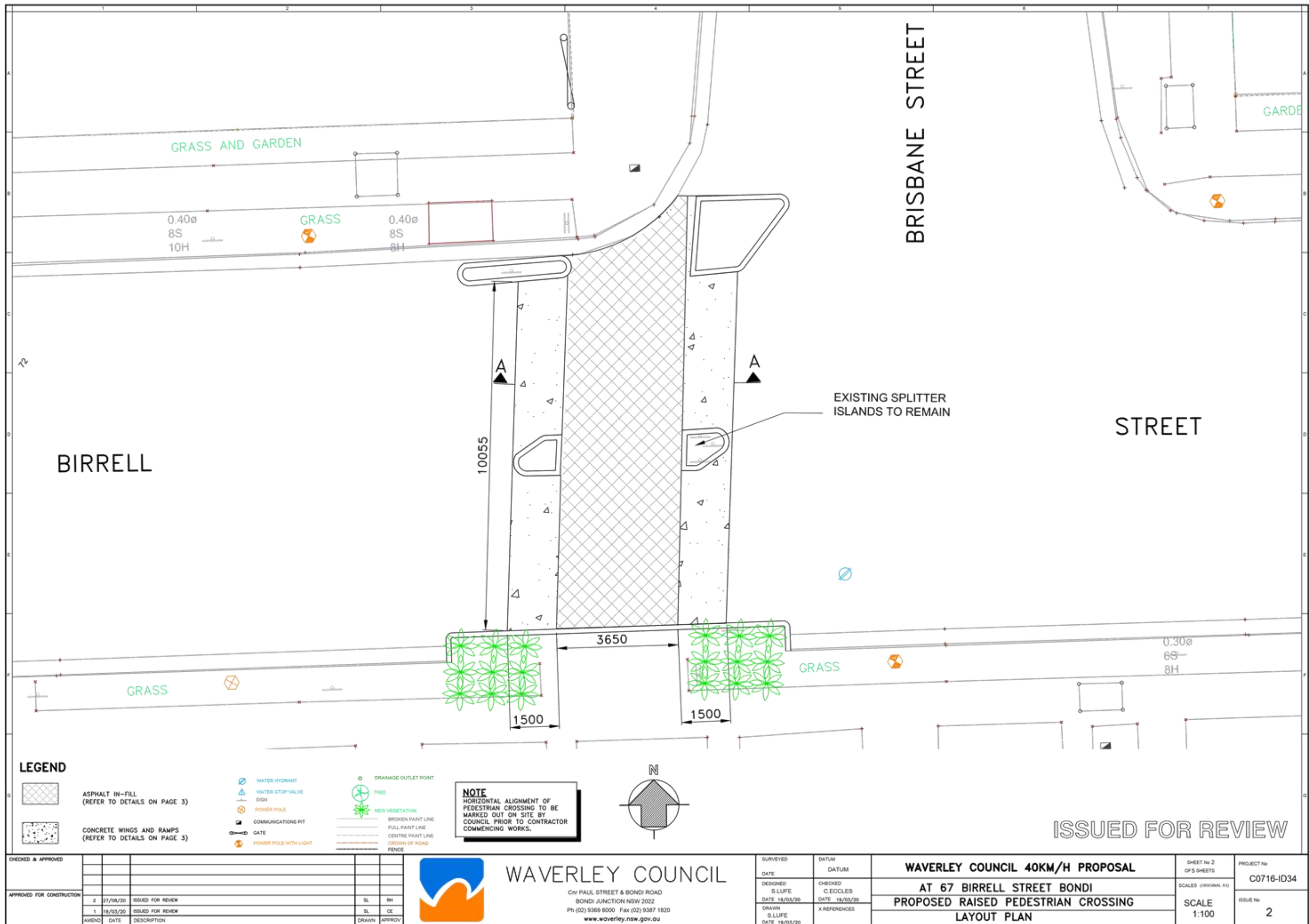
Cnr PAUL STREET & BONDI ROAD  
BONDI JUNCTION NSW 2022  
Ph (02) 9369 8000 Fax (02) 9387 1820  
www.waverley.nsw.gov.au

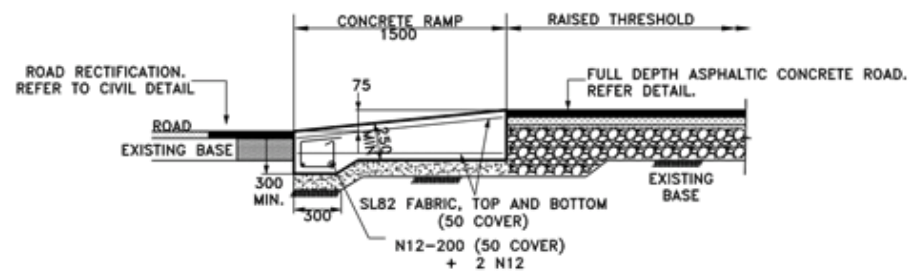
SURVEYED	DATUM
DATE	DATUM
DESIGNED	CHECKED
S.LUFE	C.ECCLES
DATE 19/03/20	DATE 19/03/20
DRAWN	X REFERENCES
S.LUFE	
DATE 19/03/20	

**WAVERLEY COUNCIL 40KM/H PROPOSAL**  
**AT 67 BIRRELL STREET BONDI**  
**PROPOSED RAISED PEDESTRIAN CROSSING**  
**NOTES AND SCHEDULES**

SHEET No 1 OF 5 SHEETS	PROJECT No C0716-ID34
SCALE (X) (X) (X) (X) (X)	ISSUE No 2
SCALE NTS	

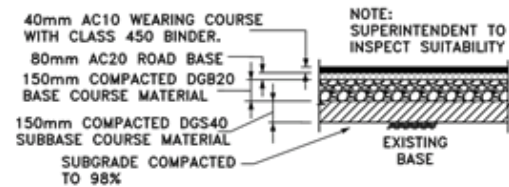




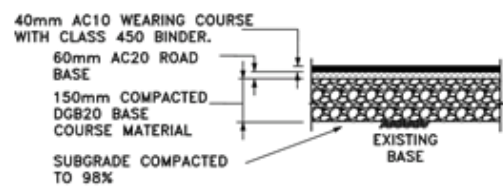


### FULL DEPTH ASPHALT CROSSING WITH CONCRETE RAMPS

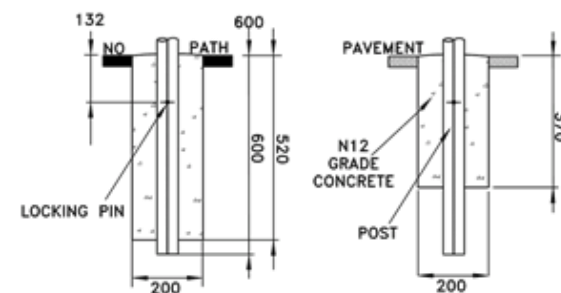
#### SECTION A-A SCALE 1:50



### FULL DEPTH ASPHALT CONCRETE ROAD SCALE 1:50



### ROAD RECTIFICATION SCALE 1:50



### SIGNPOST FOOTING SCALE 1:20

ISSUED FOR REVIEW

CHECKED & APPROVED					
APPROVED FOR CONSTRUCTION	2	27/08/20	ISSUED FOR REVIEW	SL	RH
	1	19/03/20	ISSUED FOR REVIEW	SL	CC
AMEND	DATE	DESCRIPTION	DRAWN	APPROV	



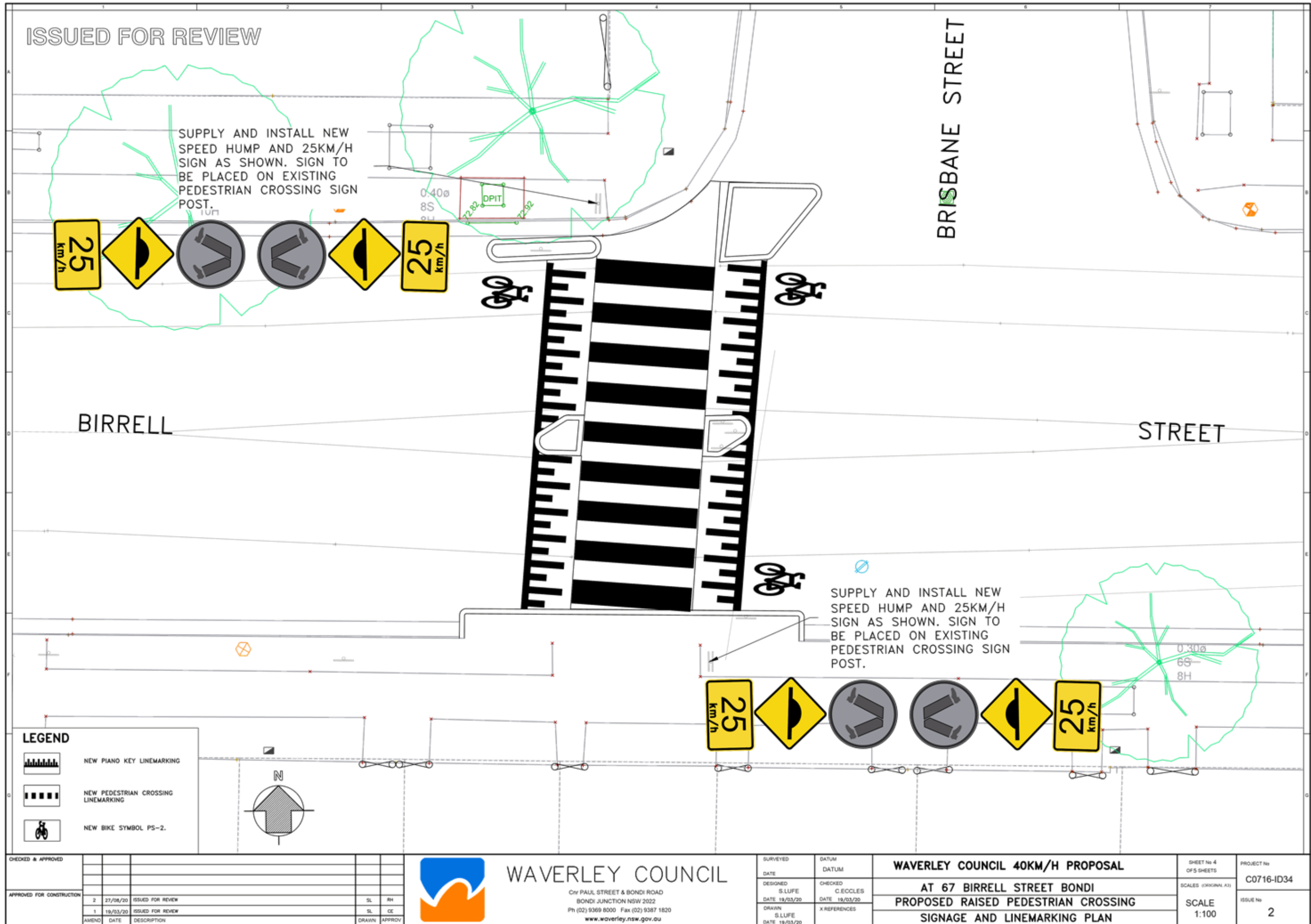
## WAVERLEY COUNCIL

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BONDI JUNCTION NSW 2022  
Ph (02) 9369 8000 Fax (02) 9387 1820  
[www.waverley.nsw.gov.au](http://www.waverley.nsw.gov.au)

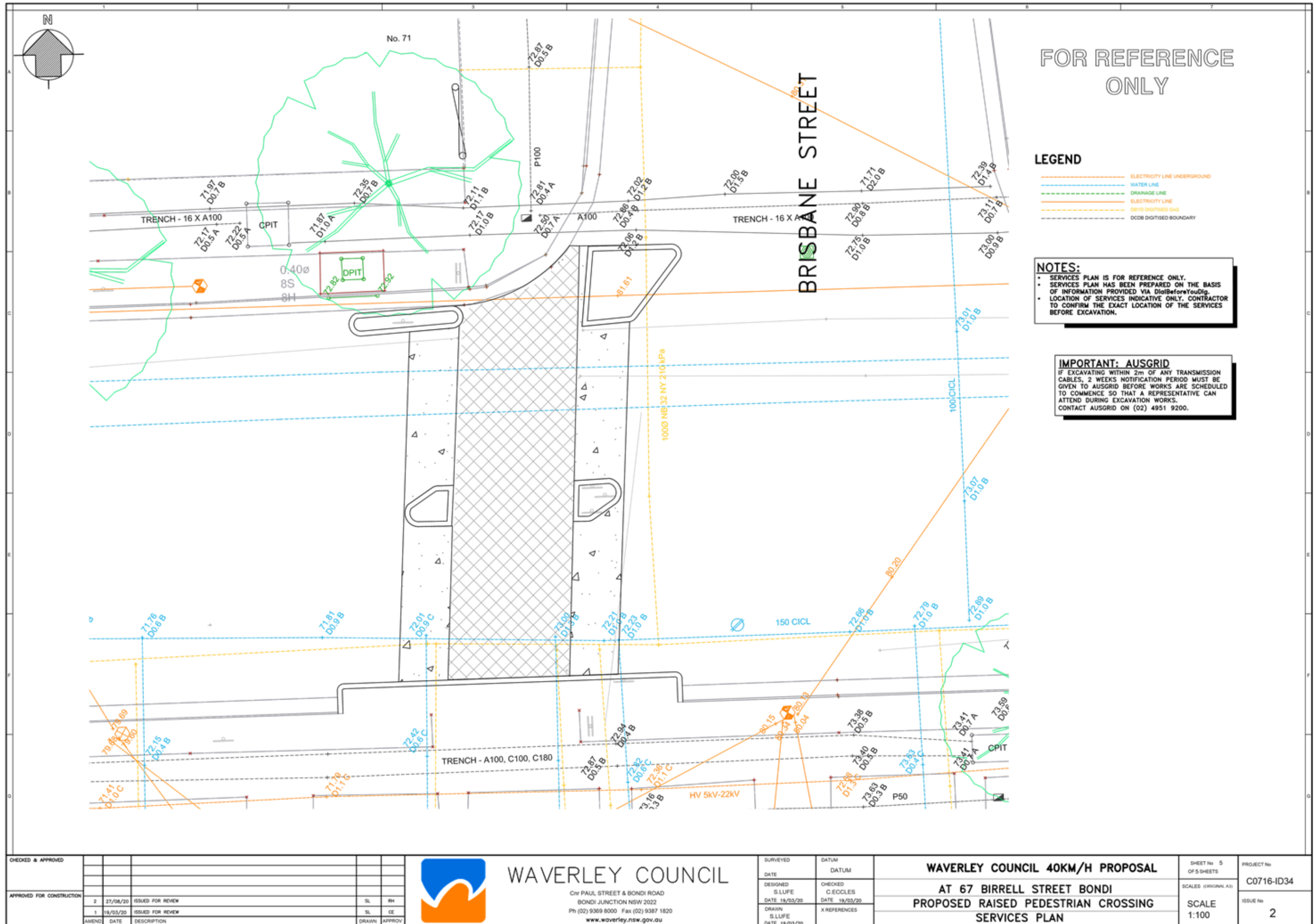
SURVEYED	DATUM
DATE	
DESIGNED	CHECKED
S.LUFE	C.ECCLES
DATE 19/03/20	DATE 19/03/20
DRAWN	X REFERENCES
S.LUFE	
DATE 19/03/20	

### WAVERLEY COUNCIL 40KM/H PROPOSAL AT 67 BIRRELL STREET BONDI PROPOSED RAISED PEDESTRIAN CROSSING DETAILS SHEET

SHEET No 3 OF 5 SHEETS	PROJECT No C0716-ID34
SCALE NTS	ISSUE No 2







ISSUED FOR REVIEW

# WAVERLEY COUNCIL 40KM/H PROPOSAL AT BIRRELL STREET, WAVERLEY PROPOSED RAISED PEDESTRIAN CROSSING

## GENERAL NOTES

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7. DURING WORKS, CONTRACTOR TO INSTALL TEMPORARY SIGNS - IN ACCORDANCE WITH APPROVED TCP AND MAINTAIN FOR THE DURATION OF THE WORKS.
8. ALL RESIDENTS AFFECTED BY THE PROPOSED WORKS ARE TO BE NOTIFIED AT LEAST 3 WORKING DAYS BEFORE THE COMMENCEMENT OF ROADWORKS TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
9. SUITABLE VEHICULAR ACCESS SHALL BE MAINTAINED TO EACH DRIVEWAY OR ALTERNATIVE ARRANGEMENTS MADE WITH THE OWNERS.
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## SERVICES

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13. WHERE EXISTING SERVICE COVERS ARE NOMINATED TO BE ADJUSTED TO DESIGN LEVELS, CONTRACTOR IS TO CARRY OUT ALL WORKS IN ACCORDANCE WITH RELEVANT SERVICE AUTHORITY REQUIREMENTS.
14. **NO SERVICE COVERS ARE TO BE COVERED.**

## SIGNS & LINEMARKING

15. ALL TRAFFIC SIGNS TO COMPLY WITH NATSPEC 1192 & RMS SPECIFICATION R143 AND TO BE OF HIGH INTENSITY CLASS 1 REFLECTIVITY.
16. ALL LINEMARKING IS TO COMPLY WITH NATSPEC 1191 & RMS SPECIFICATION R141 - "PAVEMENT MARKING"
17. LINEMARKING TO BE IN THERMOPLASTIC TYPE (UNLESS STATED OTHERWISE) AND INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATIONS 3357 AND 3353 RESPECTIVELY. ALL RRPM'S TO COMPLY WITH RMS SPECIFICATION R142.
18. KERB FACES OF ALL ISLANDS TO BE PAINTED WHITE AND TO INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATION NO. 3353.
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25. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.

## CONCRETE

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2. CONCRETE QUALITY.

ELEMENT	SLUMP	MAX AGGREGATE SIZE	CEMENT TYPE	CEMENT GRADE
ALL	80mm	20mm	GP	25MPa

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CLEAR CONCRETE COVER TO REINFORCEMENT SHALL BE AS FOLLOWS UNLESS OTHERWISE SHOWN-

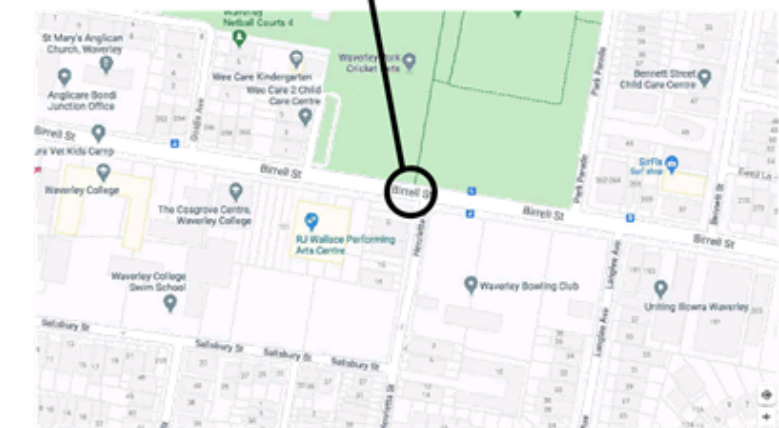
ELEMENT	SURFACE OF MEMBER IN INTERIOR ENVIRONMENT	SURFACE OF MEMBER IN ABOVE GROUND EXTERIOR ENVIRONMENT	SURFACE OF MEMBER IN CONTACT WITH GROUND WITH GROUND (1)	SURFACE OF MEMBER IN WATER
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**NOTE:**  
1. COVER MAY BE REDUCED BY 10mm IF THE SURFACE IS PROTECTED BY A DAMP-PROOF MEMBRANE.  
2. SLABS EXPOSED TO CORROSIVE VAPOURS, CORROSIVE GROUND WATER, SEA WATER, OR SPRAY ARE TO HAVE REINFORCEMENT COVER AS NOTED ON THE DRAWINGS.

## DRAWING SCHEDULE

- 1/5 - NOTES AND SCHEDULES
- 2/5 - LAYOUT PLAN
- 3/5 - DETAILS SHEET
- 4/5 - SIGNAGE AND LINEMARKING PLAN
- 5/5 - SERVICES PLAN

## LOCATION OF WORKS



## LOCALITY PLAN

(NTS)



UTILITIES, IF SHOWN, ARE DIAGRAMMATIC ONLY. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.

IN CASE OF EMERGENCY, CONTACT THE FOLLOWING UTILITIES IF THEIR SERVICES ARE INVOLVED:

TELSTRA	: 132203
AGL (GAS)	: 131245
SYDNEY WATER	: 132090
AUSGRID	: 131388

**LINEMARKING**  
ALL NEW LINEMARKING TO BE IN THERMOPLASTIC UNLESS NOTED OTHERWISE

**NOTE**  
ALL EXISTING SIGNS AND LINES TO REMAIN UNLESS NOTED OTHERWISE.

**IMPORTANT**  
REDUNDANT LINE MARKING MUST BE REMOVED BY GRINDING WHERE INDICATED ON PLANS.

CHECKED & APPROVED					
APPROVED FOR CONSTRUCTION					
AMEND	DATE	DESCRIPTION	AM	RM	
1	26/08/20	ISSUED FOR REVIEW			



### WAVERLEY COUNCIL

CHY PAUL STREET & BONDI ROAD  
BONDI JUNCTION NSW 2022  
Ph (02) 9369 8000 Fax (02) 9387 1820  
www.waverley.nsw.gov.au

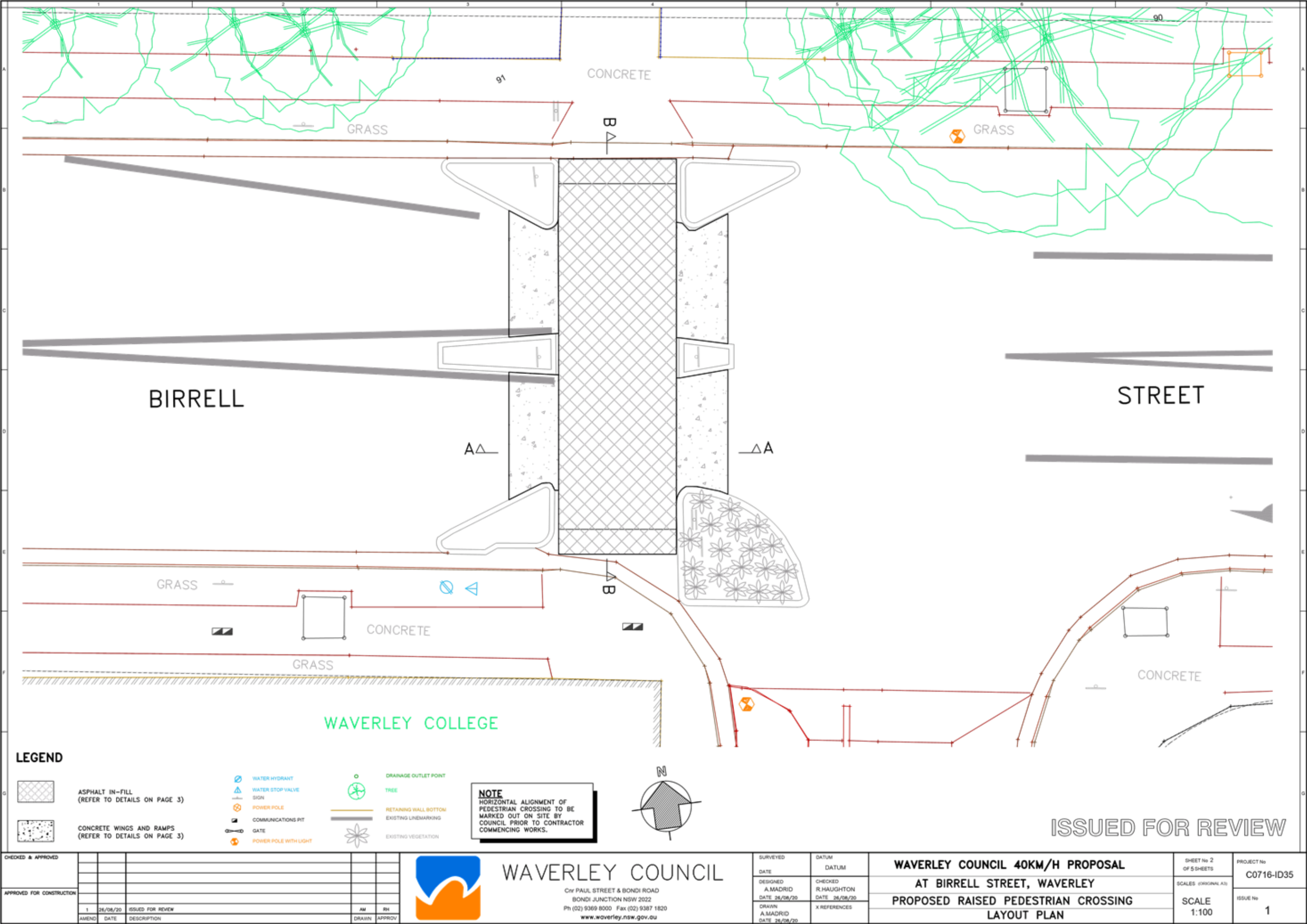
SURVEYED	DATUM
DATE	DATUM
DESIGNED	CHECKED
DATE 26/08/20	DATE 26/08/20
DRAWN	X REFERENCES
DATE 26/08/20	

**WAVERLEY COUNCIL 40KM/H PROPOSAL  
AT BIRRELL STREET, WAVERLEY  
PROPOSED RAISED PEDESTRIAN CROSSING  
NOTES AND SCHEDULES**

SHEET No 1  
OF 5 SHEETS  
SCALE  
NTS

PROJECT No  
C0716-ID35  
ISSUE No  
1





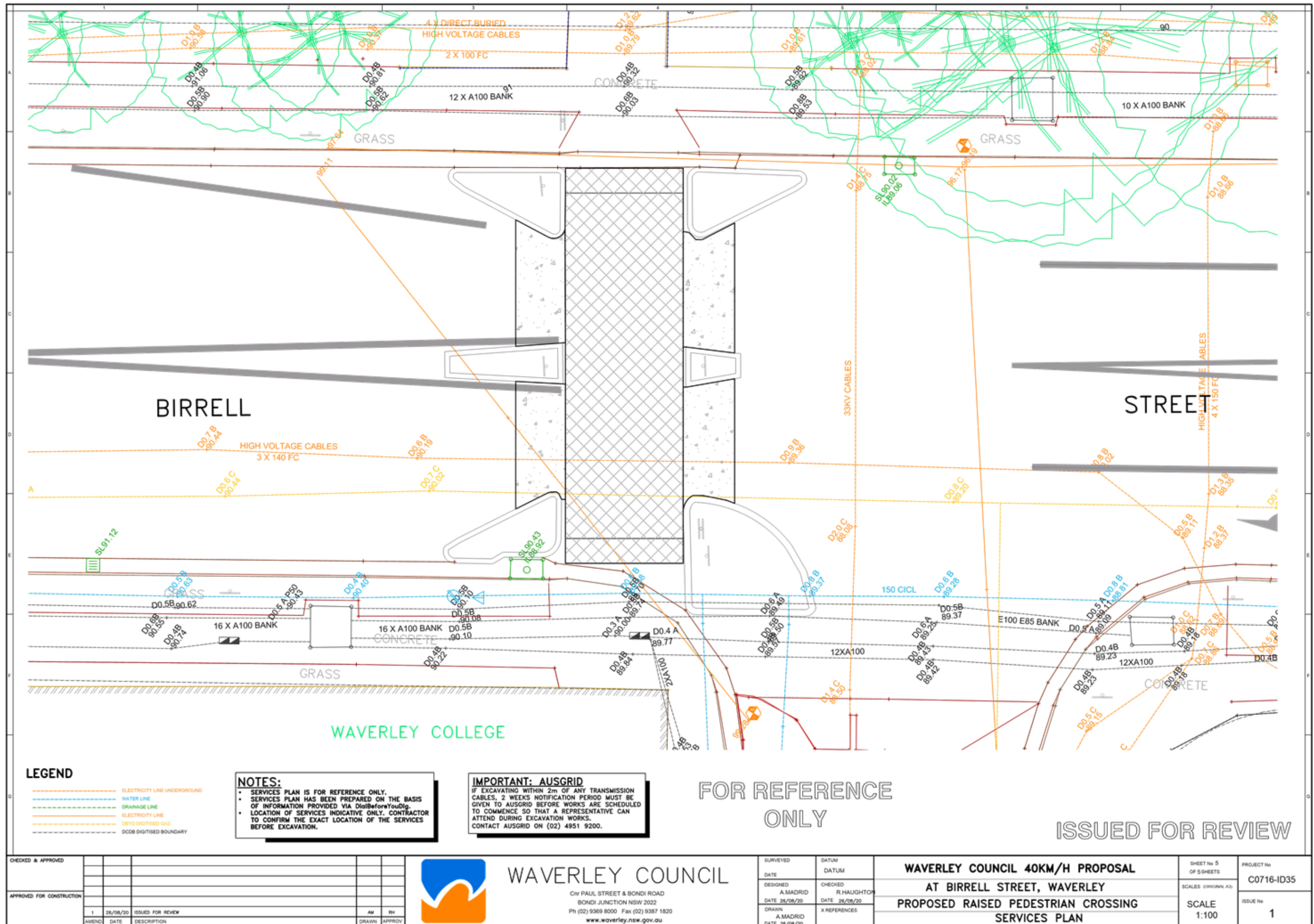




CHECKED & APPROVED						 <b>WAVERLEY COUNCIL</b> Cnr PAUL STREET & BONDI ROAD BONDI JUNCTION NSW 2022 Ph (02) 9369 8000 Fax (02) 9387 1820 <a href="http://www.waverley.nsw.gov.au">www.waverley.nsw.gov.au</a>	SURVEYED DATE	DATUM DATUM	<b>WAVERLEY COUNCIL 40KM/H PROPOSAL</b> <b>AT BIRRELL STREET, WAVERLEY</b> <b>PROPOSED RAISED PEDESTRIAN CROSSING</b> <b>DETAILS SHEET</b>	SHEET No 3 OF 5 SHEETS	PROJECT No C0716-ID35
APPROVED FOR CONSTRUCTION							DESIGNED A.MADRID	CHECKED R.HAUGHTON	SCALES (ORIGINAL A3)  <b>SCALE 1:100</b>	ISSUE No  <b>1</b>	
							DATE 26/08/20	DATE 26/08/20			
	1	26/08/20	ISSUED FOR REVIEW				DRAWN A.MADRID	X-REFERENCES			
	AMEND	DATE	DESCRIPTION				DRAWN	APPROV			









ISSUED FOR REVIEW

# WAVERLEY COUNCIL 40KM/H PROPOSAL AT 2 PACIFIC STREET, BRONTE PROPOSED SPLITTER ISLAND

## GENERAL NOTES

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2. DURING CONSTRUCTION THE WORK IS TO BE SIGNPOSTED AND MARKED TO THE REQUIREMENTS OF AS1742.2-2009 AND AS1742.3-2009 "TRAFFIC CONTROL DEVICES FOR WORKS ON ROADS".
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## SERVICES

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UTILITIES, IF SHOWN, ARE DIAGRAMMATIC ONLY. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.

IN CASE OF EMERGENCY, CONTACT THE FOLLOWING UTILITIES IF THEIR SERVICES ARE INVOLVED:

TELSTRA	132203
AGL (GAS)	131245
SYDNEY WATER	132090
AUSGRID	131388

**NOTE**  
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**IMPORTANT**  
REDUNDANT LINE MARKING MUST BE REMOVED BY GRINDING WHERE INDICATED ON PLANS.

## CONCRETE

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ELEMENT	SLUMP	MAX AGGREGATE SIZE	CEMENT TYPE	CEMENT GRADE
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3. CLEAR CONCRETE COVER TO REINFORCEMENT SHALL BE AS FOLLOWS UNLESS OTHERWISE SHOWN-

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ALL	35	45	55	75

**NOTE:**  
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2. SLABS EXPOSED TO CORROSIVE VAPOURS, CORROSIVE GROUND WATER, SEA WATER, OR SPRAY ARE TO HAVE REINFORCEMENT COVER AS NOTED ON THE DRAWINGS.

4. SIZES OF CONCRETE ELEMENTS DO NOT INCLUDE THICKNESS OF APPLIED FINISHES. CONSTRUCTION JOINTS WHERE NOT SHOWN SHALL BE LOCATED TO THE APPROVAL OF COUNCIL'S SUPERINTENDENT.
6. NO HOLES OR CHASES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT THE PRIOR APPROVAL OF COUNCIL'S SUPERINTENDENT.
7. WELDING OF REINFORCEMENT WILL NOT BE PERMITTED UNLESS SHOWN ON THE STRUCTURAL DRAWINGS.
8. PIPES OR CONDUITS SHALL NOT BE PLACED WITHIN THE CONCRETE COVER TO REINFORCEMENT WITHOUT THE APPROVAL OF COUNCIL'S SUPERINTENDENT. THE CONCRETE COVER TO EMBEDDED PIPES OR CONDUITS SHALL BE A MINIMUM OF 20mm.
9. ALL REINFORCEMENT FABRIC SHALL COMPLY WITH AS 1303 AND AS 1304 AND SHALL BE SUPPLIED AS FLAT SHEETS.
10. ALL CONCRETE TO BE MECHANICALLY VIBRATED IN FORM TO GIVE MAXIMUM COMPACTION WITHOUT SEGREGATION OF CONCRETE.
11. PROVIDE 20mm CHAMFER TO ALL EXPOSED EDGES U.N.O.

## DRAWING SCHEDULE

- 1/5 - NOTES AND SCHEDULES
- 2/5 - LAYOUT PLAN
- 3/5 - DETAILS SHEET
- 4/5 - SIGNAGE AND LINEMARKING PLAN
- 5/5 - VEHICLE SWEEP PATHS

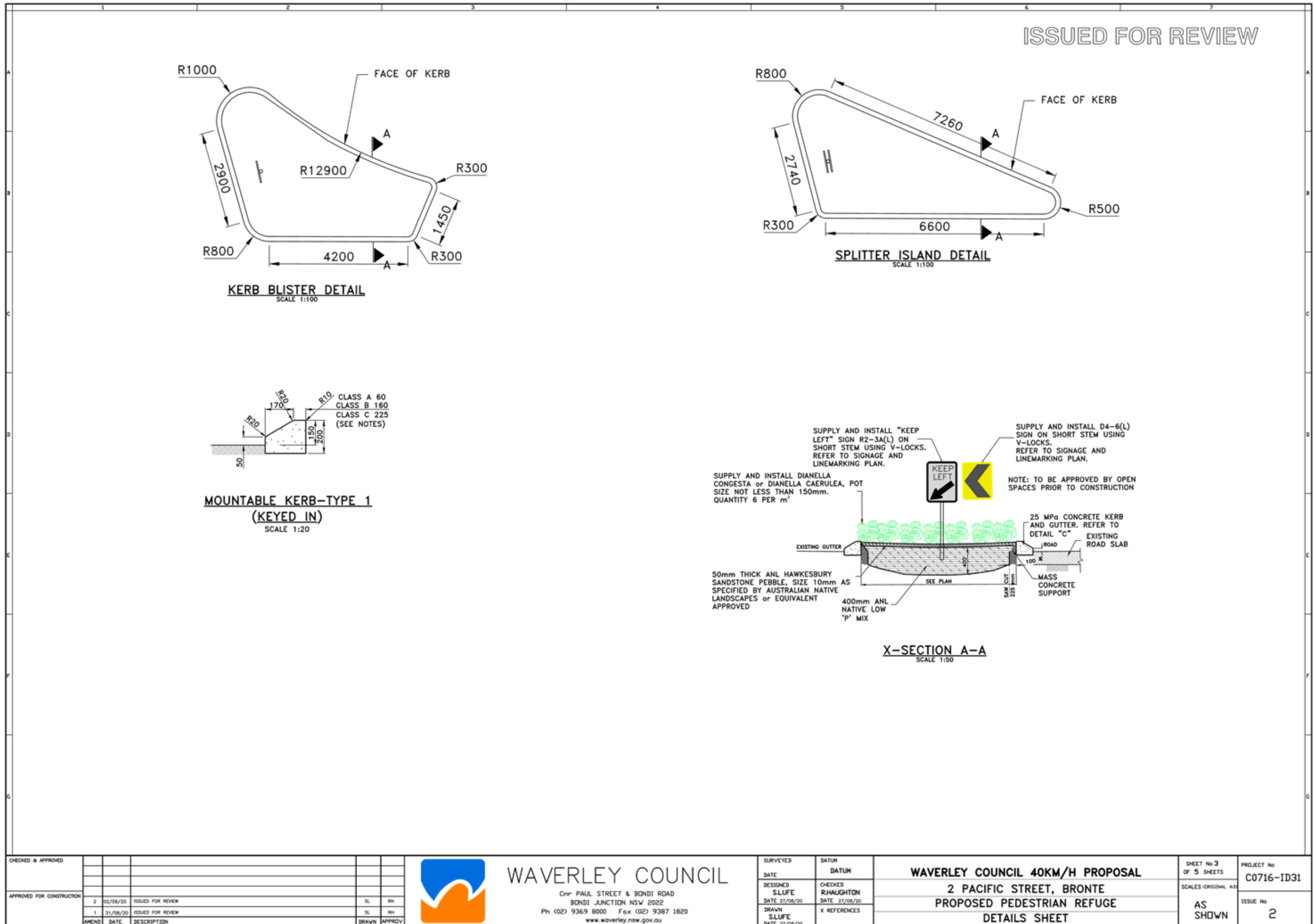
LOCATION OF WORKS



**LOCALITY PLAN**  
(NTS)

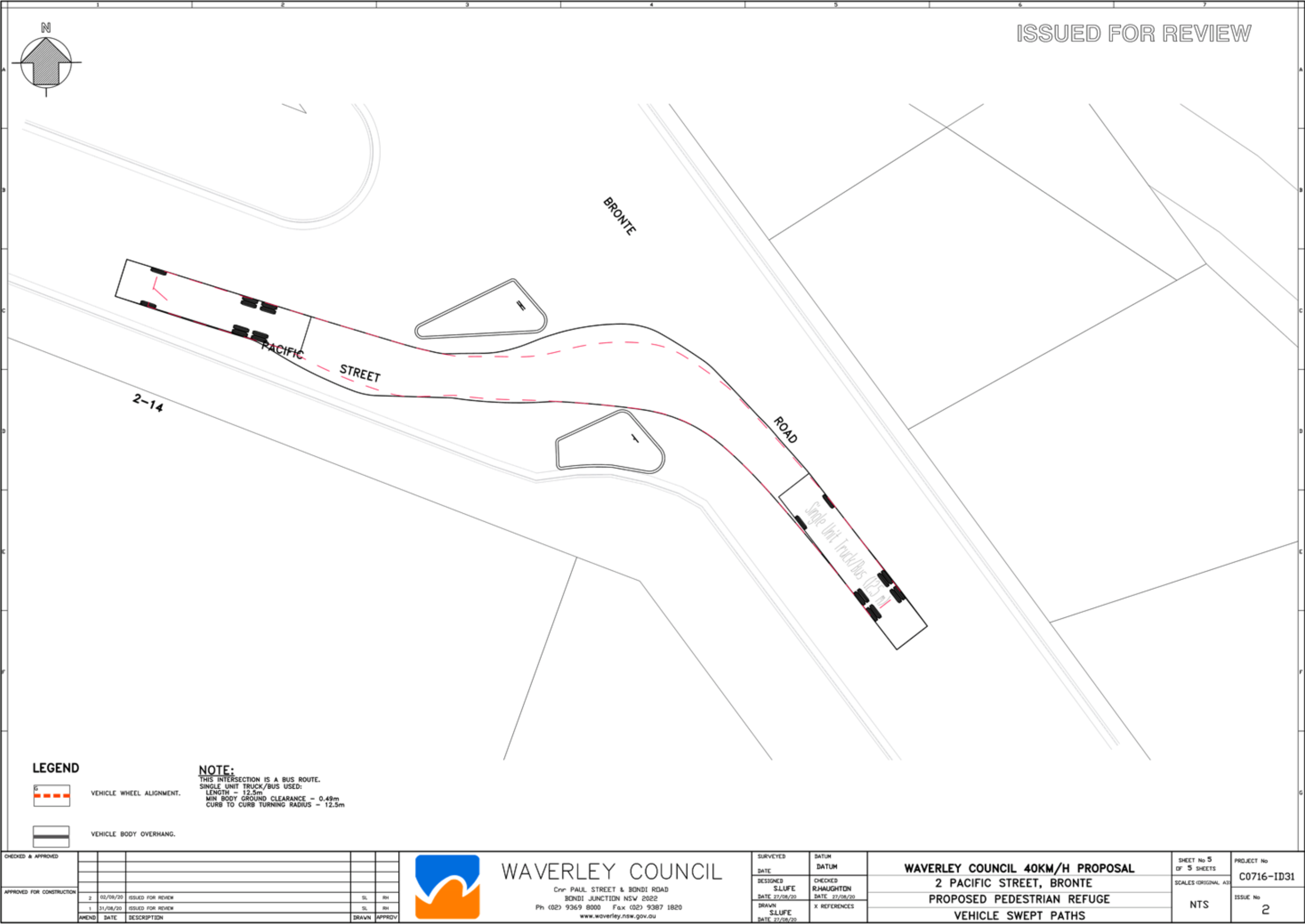
CHECKED & APPROVED										<b>WAVERLEY COUNCIL</b> Cnr PAUL STREET & BONDI ROAD BONDI JUNCTION NSW 2022 Ph (02) 9369 8000 Fax (02) 9387 1820 <a href="http://www.waverley.nsw.gov.au">www.waverley.nsw.gov.au</a>		SURVEYED DATE DESIGNED SLUFE DATE 19/03/20 DRAWN SLUFE DATE 19/03/20	DATUM DATE CHECKED CECCLLES DATE 19/03/20 X REFERENCES	<b>WAVERLEY COUNCIL 40KM/H PROPOSAL</b> <b>AT 2 PACIFIC STREET BRONTE</b> <b>PROPOSED SPEED HUMP</b> <b>NOTES AND SCHEDULES</b>		SHEET No 1 OF 5 SHEETS SCALES (ORIGINAL A3) <b>SCALE</b> NTS	PROJECT No <b>C0716-ID31</b> ISSUE No <b>2</b>
APPROVED FOR CONSTRUCTION		2 02/09/20 ISSUED FOR REVIEW 1 30/08/20 ISSUED FOR REVIEW		SL RH SL RH													
AMEND	DATE	DESCRIPTION		DRAWN	APPROV												











ISSUED FOR REVIEW

# BONDI 40KM/H PROPOSAL AT 93 OCEAN STREET, BONDI PROPOSED SPEED HUMP

## GENERAL NOTES

1. THE DESIGN DRAWINGS SHOULD BE READ IN CONJUNCTION WITH RELEVANT COUNCIL'S STANDARD DRAWINGS.
2. DURING CONSTRUCTION THE WORK IS TO BE SIGNPOSTED AND MARKED TO THE REQUIREMENTS OF AS1742.2-2009 AND AS1742.3-2009 "TRAFFIC CONTROL DEVICES FOR WORKS ON ROADS".
3. A TRAFFIC MANAGEMENT PLAN & SITE SAFETY PLAN IS TO BE SUBMITTED TO COUNCIL'S SUPERINTENDENT PRIOR TO IMPLEMENTATION.
4. SOIL AND WATER MANAGEMENT PLAN IS TO BE SUBMITTED TO COUNCIL'S PROJECT MANAGER PRIOR TO IMPLEMENTATION.
5. ALL WORK IS TO BE CARRIED OUT TO BEST PRACTICE STANDARDS AND TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
6. THE WORK SITE IS TO BE PROTECTED USING APPROPRIATE SIGNAGE, FENCING, BARRICADING, AND PARAWEBBING FOR DURATION OF PROJECT CONSTRUCTION.
7. DURING WORKS, CONTRACTOR TO INSTALL TEMPORARY SIGNS - "CHANGED TRAFFIC CONDITIONS AHEAD" ON ALL APPROACHES 75-100M IN ADVANCE OF THE WORK SITE AND MAINTAIN FOR THE DURATION OF THE WORKS.
8. ALL RESIDENTS AFFECTED BY THE PROPOSED WORKS ARE TO BE NOTIFIED AT LEAST 3 WORKING DAYS BEFORE THE COMMENCEMENT OF ROADWORKS TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
9. SUITABLE VEHICULAR ACCESS SHALL BE MAINTAINED TO EACH DRIVEWAY OR ALTERNATIVE ARRANGEMENTS MADE WITH THE OWNERS.
10. WORK TO BE CARRIED OUT WITHIN THE APPROVED HOURS ONLY.

## SERVICES

11. UTILITIES (IF SHOWN) ARE DIAGRAMMATIC ONLY AND HAVE BEEN PREPARED FROM THE INFORMATION PROVIDED BY THE RELEVANT SERVICE AUTHORITIES. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THE SERVICE AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.
12. AUSGRID REQUIRES THAT CONTRACTOR SHOULD CONTACT THEM IF WORKING WITHIN 5.0M FROM UNDERGROUND ELECTRICITY CONDUITS.
13. WHERE EXISTING SERVICE COVERS ARE NOMINATED TO BE ADJUSTED TO DESIGN LEVELS, CONTRACTOR IS TO CARRY OUT ALL WORKS IN ACCORDANCE WITH RELEVANT SERVICE AUTHORITY REQUIREMENTS.
14. NO SERVICE COVERS ARE TO BE COVERED.

## SIGNS & LINEMARKING

15. ALL TRAFFIC SIGNS TO COMPLY WITH NATSPEC 1192 & RMS SPECIFICATION R143 AND TO BE OF HIGH INTENSITY CLASS 1 REFLECTIVITY.
16. ALL LINEMARKING IS TO COMPLY WITH NATSPEC 1191 & RMS SPECIFICATION R141 - "PAVEMENT MARKING".
17. LINEMARKING TO BE IN THERMOPLASTIC TYPE (UNLESS STATED OTHERWISE) AND INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATIONS 3357 AND 3353 RESPECTIVELY. ALL RRPMS TO COMPLY WITH RMS SPECIFICATION R142.
18. KERB FACES OF ALL ISLANDS TO BE PAINTED WHITE AND TO INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATION NO. 3353.
19. ALL LINEMARKING AND RRPMS REMOVED OR AFFECTED DURING THE COURSE OF THE WORKS ARE TO BE REINSTATED UNLESS NOTED OTHERWISE.
20. ALL EXISTING SIGNS TO REMAIN UNLESS NOTED OTHERWISE.
21. LINEMARKING AND SIGNPOSTING TO BE INSTALLED AS SOON AS PRACTICABLE.
22. REDUNDANT LINEMARKING IS TO BE REMOVED BY GRINDING WHERE SHOWN ON PLANS OR WHERE NEW LINEMARKING IS PROVIDED.
23. ALL SIGNPOSTING ON SPLITTER, KERB OR PEDESTRIAN REFUGE ISLANDS TO BE ERECTED USING V-NOTCH INSERTS, UNLESS NOTED OTHERWISE.
24. UNLESS SHOWN ON PLANS, NO STATE SURVEY MARKS ARE TO BE REMOVED PRIOR TO CONSULTING WITH COUNCIL'S SUPERINTENDENT.
25. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.

## CONCRETE

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
2. CONCRETE QUALITY.

ELEMENT	SLUMP	MAX AGGREGATE SIZE	CEMENT TYPE	CEMENT GRADE
ALL	80mm	20mm	GP	25MPa

NO ADMIXTURES SHALL BE USED WITHOUT THE APPROVAL OF COUNCIL'S SUPERINTENDENT.

3. CLEAR CONCRETE COVER TO REINFORCEMENT SHALL BE AS FOLLOWS UNLESS OTHERWISE SHOWN-

ELEMENT	SURFACE OF MEMBER IN INTERIOR ENVIRONMENT	SURFACE OF MEMBER IN ABOVE GROUND EXTERIOR ENVIRONMENT	SURFACE OF MEMBER IN CONTACT WITH GROUND (1)	SURFACE OF MEMBER IN WATER
ALL	35	45	55	75

NOTE:  
1. COVER MAY BE REDUCED BY 10mm IF THE SURFACE IS PROTECTED BY A DAMP-PROOF MEMBRANE.  
2. SLABS EXPOSED TO CORROSIVE VAPOURS, CORROSIVE GROUND WATER, SEA WATER, OR SPRAY ARE TO HAVE REINFORCEMENT COVER AS NOTED ON THE DRAWINGS.

## SIGNPOSTING SCHEDULE

SIGN NO.	QUANTITY	STEM	CONDITION	LOCATION
W3-4	2	LONG	NEW	VERGE

NOTE: SIGNS TO BE REMOVED ARE NOT INCLUDED IN THIS SCHEDULE.

## DRAWING SCHEDULE

- 1/4 - NOTES AND SCHEDULES
- 2/4 - LAYOUT PLAN
- 3/4 - DETAILS
- 4/4 - SIGNAGE AND LINEMARKING PLAN

## LEGEND

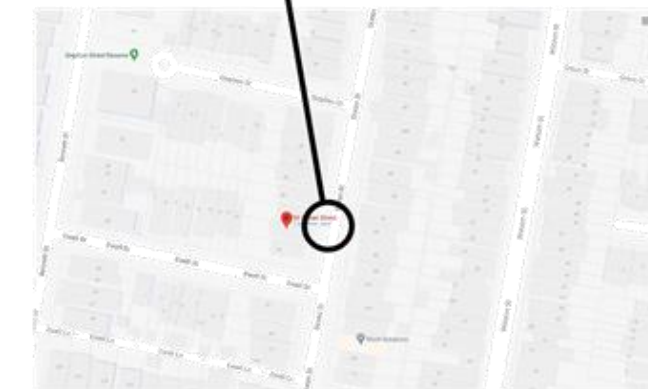
### SYMBOLS

- STATE SURVEY MARK
- PERMANENT SURVEY MARK
- SURVEY STATION
- DRILLED HOLE
- SURVEY NAIL
- SKIN
- SILENT COP
- COLUMN
- EXISTING SURFACE LEVEL
- BOLLARD
- HYDRANT
- POWER POLE
- LIGHT POLE
- ELECTRICITY & LIGHT POLE
- ELECTRICITY PILLAR
- PHONE BOOTH
- MAIL BOX
- TELECOMM. SERVICE COVER
- TELECOMMUNICATION PILLAR
- RUBBISH BIN
- STORMWATER MANHOLE
- SEWER MANHOLE
- STOP VALVE
- WATER METER
- GAS VALVE
- TRAFFIC LIGHT BOX
- TRAFFIC LIGHT
- UNKNOWN SERVICE COVER
- PARKING METER
- TREE

### LINE STYLES

- FENCELINE
- WOODEN FENCE
- HAND RAIL
- GUARD RAIL
- GATE
- BOUNDARY LINE
- TOP OF BANK
- TABLE DRAIN
- EXISTING DRAINAGE LINE
- NEW DRAINAGE LINE
- HEDGE
- EDGE OF TREE CANOPY
- EDGE OF BRUMEN
- LINEMARKING (150/15, 40/4)
- LINEMARKING (21/24, 40/4)

## LOCATION OF WORKS



LOCALITY PLAN  
(NTS)



UTILITIES, IF SHOWN, ARE DIAGRAMMATIC ONLY. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.

IN CASE OF EMERGENCY, CONTACT THE FOLLOWING UTILITIES IF THEIR SERVICES ARE INVOLVED:

TELSTRA	: 132203
AGL (GAS)	: 131245
SYDNEY WATER	: 132090
AUSGRID	: 131588

**LINEMARKING**  
ALL NEW LINEMARKING TO BE IN THERMOPLASTIC UNLESS NOTED OTHERWISE

**NOTE**  
ALL EXISTING SIGNS AND LINES TO REMAIN UNLESS NOTED OTHERWISE.

**IMPORTANT**  
REDUNDANT LINE MARKING MUST BE REMOVED BY GRINDING WHERE INDICATED ON PLANS.

CHECKED & APPROVED					
APPROVED FOR CONSTRUCTION					
AMEND	DATE	DESCRIPTION	DRAWN	APPROV	
A	19/03/20	ISSUED FOR REVIEW	SL	CC	



WAVERLEY COUNCIL

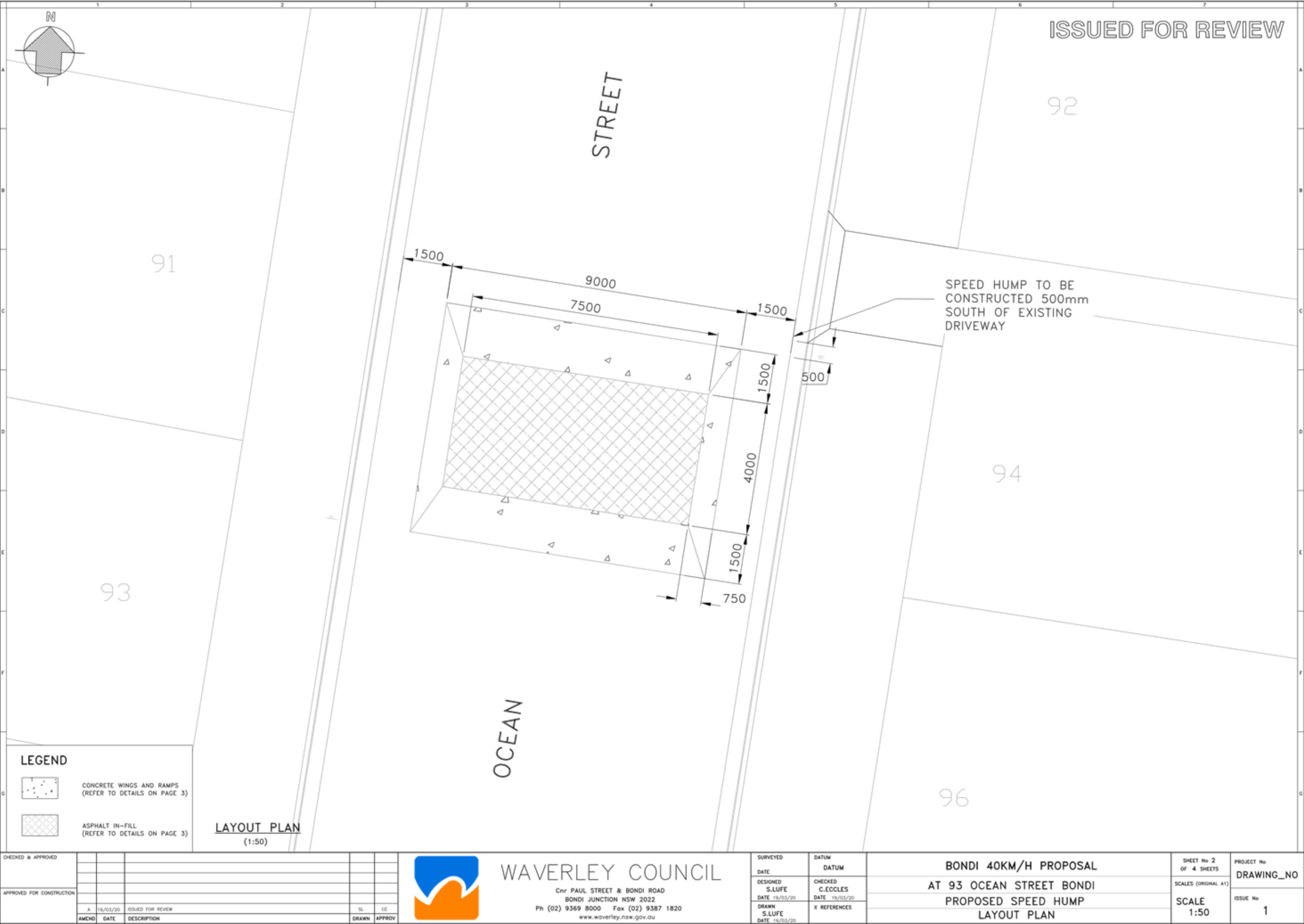
Cnr PAUL STREET & BONDI ROAD  
BONDI JUNCTION NSW 2022  
Ph (02) 9369 8000 Fax (02) 9387 1820  
www.waverley.nsw.gov.au

SURVEYED	DATUM
DATE	DATUM
DESIGNED S.LUFE	CHECKED C.ECCLES
DATE 19/03/20	DATE 19/03/20
DRAWN S.LUFE	X REFERENCES
DATE 19/03/20	

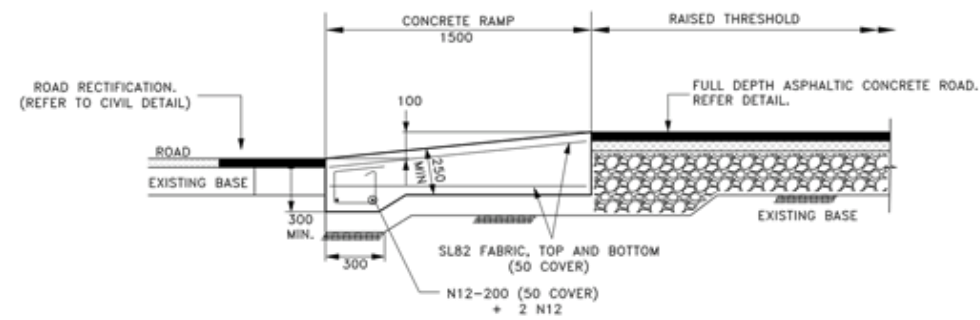
BONDI 40KM/H PROPOSAL  
AT 93 OCEAN STREET BONDI  
PROPOSED SPEED HUMP  
NOTES AND SCHEDULES

SHEET No 1 OF 4 SHEETS	PROJECT No DRAWING_NO
SCALE (ORIGINAL A1)	ISSUE No 1
SCALE NTS	





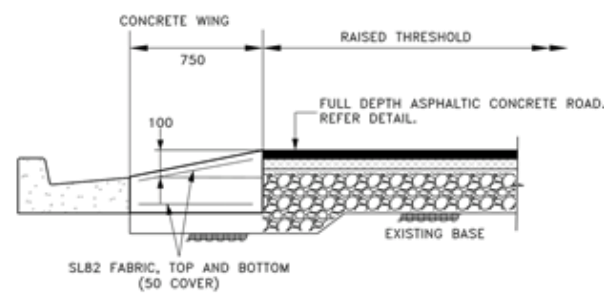
ISSUED FOR REVIEW



FULL DEPTH ASPHALT CROSSING WITH CONCRETE RAMPS

SECTION B-B

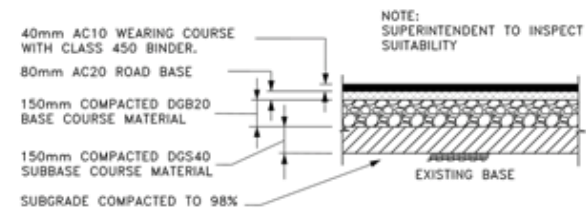
SCALE 1:20



FULL DEPTH ASPHALT CROSSING WITH CONCRETE WINGS

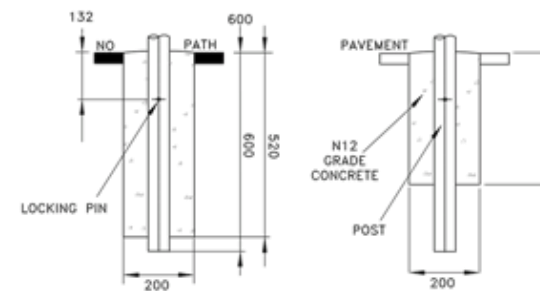
SECTION A-A

SCALE 1:20



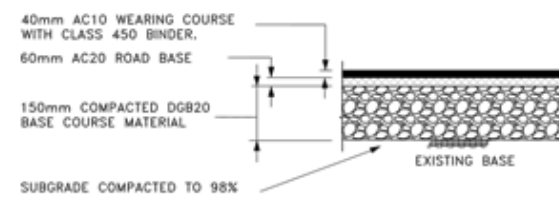
FULL DEPTH ASPHALT CONCRETE ROAD

SCALE 1:20



SIGNPOST FOOTING

SCALE 1:10



ROAD RECTIFICATION

SCALE 1:20

CHECKED & APPROVED					
APPROVED FOR CONSTRUCTION					
1	19/03/20	ISSUED FOR REVIEW	SL	CE	
AMEND	DATE	DESCRIPTION	DRAWN	APPROV	



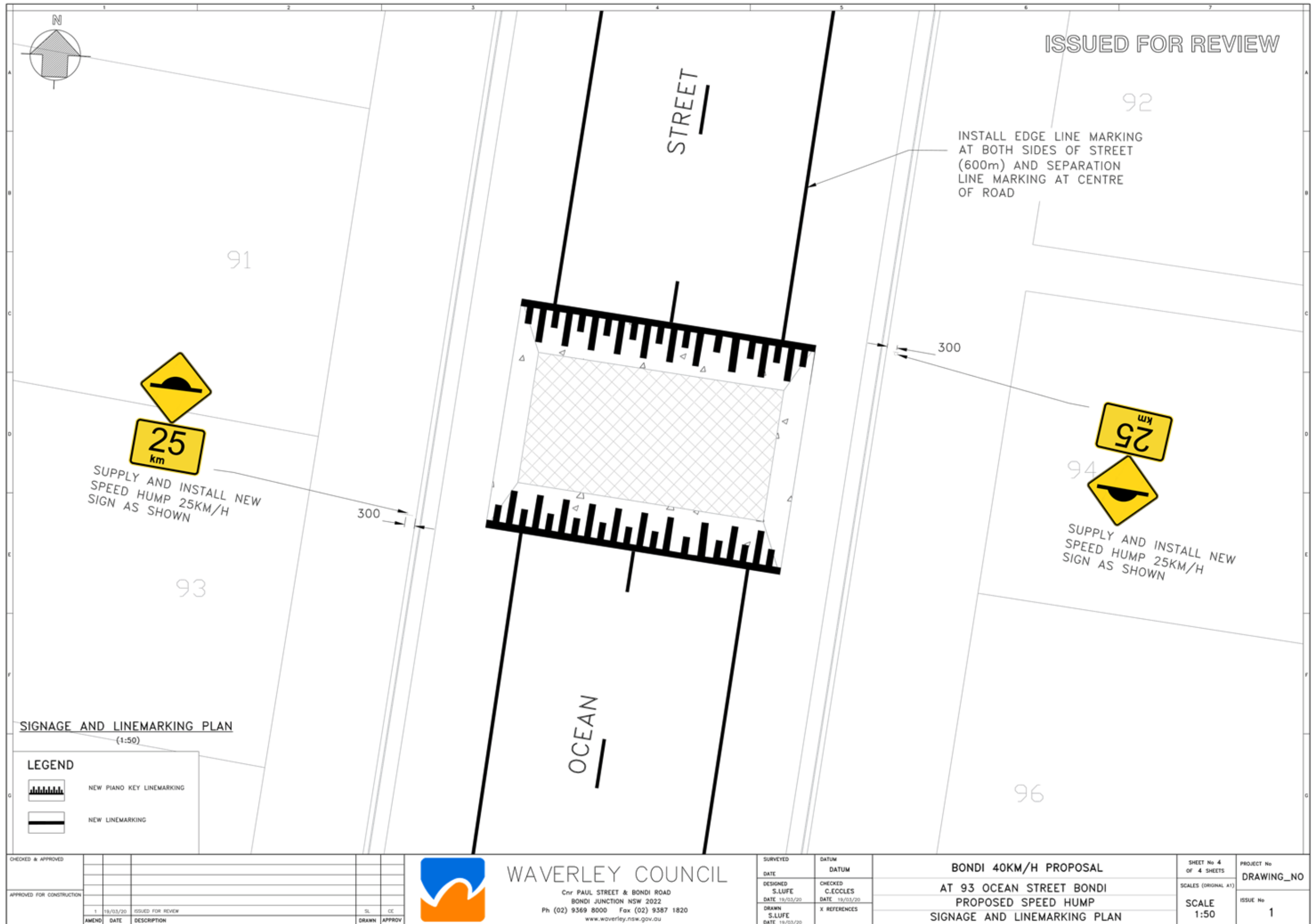
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 BONDI JUNCTION NSW 2022  
 Ph (02) 9369 8000 Fax (02) 9387 1820  
 www.waverley.nsw.gov.au

SURVEYED	DATUM
DATE	DATUM
DESIGNED	CHECKED
S.LUFE	C.ECCLES
DATE 19/03/20	DATE 19/03/20
DRAWN	X REFERENCES
S.LUFE	
DATE 19/03/20	

BONDI 40KM/H PROPOSAL  
 AT 44 VICTORIA STREET WAVERLEY  
 PROPOSED SPEED HUMP  
 DETAILS PLAN

SHEET No 3 OF 4 SHEETS	PROJECT No DRAWING_NO
SCALE	ISSUE No 1





ISSUED FOR REVIEW

# PARK PARADE, BONDI AT BIRRELL STREET INTERSECTION PROPOSED KERB BUILDOUTS

## GENERAL NOTES

1. THE DESIGN DRAWINGS SHOULD BE READ IN CONJUNCTION WITH WAVERLEY COUNCIL'S STANDARD DRAWINGS.
2. DURING CONSTRUCTION THE WORK IS TO BE SIGNPOSTED AND MARKED TO THE REQUIREMENTS OF AS1742.2-2009 AND AS1742.3-2009 "TRAFFIC CONTROL DEVICES FOR WORKS ON ROADS".
3. A TRAFFIC CONTROL PLAN IS TO BE SUBMITTED TO COUNCIL'S PROJECT MANAGER FOR APPROVAL PRIOR TO WORKS.
4. SOIL AND WATER MANAGEMENT PLAN IS TO BE SUBMITTED TO COUNCIL'S PROJECT MANAGER FOR A APPROVAL PRIOR TO WORKS.
5. ALL WORK IS TO BE CARRIED OUT TO BEST PRACTICE STANDARDS AND TO THE SATISFACTION OF COUNCIL'S PROJECT MANAGER.
6. THE WORK SITE IS TO BE PROTECTED USING APPROPRIATE SIGNAGE, FENCING, BARRICADING, AND PARA-WEBBING FOR DURATION OF PROJECT CONSTRUCTION.
7. DURING WORKS, CONTRACTOR TO INSTALL TEMPORARY SIGNS - IN ACCORDANCE WITH APPROVED TCP AND MAINTAIN FOR THE DURATION OF THE WORKS.
8. ALL RESIDENTS AFFECTED BY THE PROPOSED WORKS ARE TO BE NOTIFIED AT LEAST 3 WORKING DAYS BEFORE THE COMMENCEMENT OF ROADWORKS TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
9. SUITABLE VEHICULAR ACCESS SHALL BE MAINTAINED TO EACH DRIVEWAY OR ALTERNATIVE ARRANGEMENTS MADE WITH THE OWNERS.
10. WORK TO BE CARRIED OUT WITHIN THE APPROVED HOURS ONLY.

## SERVICES

11. UTILITIES (IF SHOWN) ARE DIAGRAMMATIC ONLY AND HAVE BEEN PREPARED FROM THE INFORMATION PROVIDED BY THE RELEVANT SERVICE AUTHORITIES. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THE SERVICE AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.
12. AUSGRID REQUIRES THAT CONTRACTOR SHOULD CONTACT THEM IF WORKING WITHIN 5.0M FROM UNDERGROUND ELECTRICITY CONDUITS.
13. WHERE EXISTING SERVICE COVERS ARE NOMINATED TO BE ADJUSTED TO DESIGN LEVELS, CONTRACTOR IS TO CARRY OUT ALL WORKS IN ACCORDANCE WITH RELEVANT SERVICE AUTHORITY REQUIREMENTS.
14. NO SERVICE COVERS ARE TO BE COVERED.

## SIGNS & LINEMARKING

15. ALL TRAFFIC SIGNS TO COMPLY WITH NATSPEC 1192 & RMS SPECIFICATION R143 AND TO BE OF HIGH INTENSITY CLASS 1 REFLECTIVITY.
16. ALL LINEMARKING IS TO COMPLY WITH NATSPEC 1191 & RMS SPECIFICATION R141 - "PAVEMENT MARKING".
17. LINEMARKING TO BE IN THERMOPLASTIC TYPE (UNLESS STATED OTHERWISE) AND INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATIONS 3357 AND 3353 RESPECTIVELY. ALL RRP'S TO COMPLY WITH RMS SPECIFICATION R142.
18. KERB FACES OF ALL ISLANDS TO BE PAINTED WHITE AND TO INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATION NO. 3353.
19. ALL LINEMARKING AND RRP'S REMOVED OR AFFECTED DURING THE COURSE OF THE WORKS ARE TO BE REINSTATED UNLESS NOTED OTHERWISE.
20. ALL EXISTING SIGNS TO REMAIN UNLESS NOTED OTHERWISE.
21. LINEMARKING AND SIGNPOSTING TO BE INSTALLED AS SOON AS PRACTICABLE.
22. REDUNDANT LINEMARKING IS TO BE REMOVED BY GRINDING WHERE SHOWN ON PLANS OR WHERE NEW LINEMARKING IS PROVIDED.
23. ALL SIGNPOSTING ON SPLITTER, KERB OR PEDESTRIAN REFUGE ISLANDS TO BE ERECTED USING V-NOTCH INSERTS, UNLESS NOTED OTHERWISE.
24. UNLESS SHOWN ON PLANS, NO STATE SURVEY MARKS ARE TO BE REMOVED PRIOR TO CONSULTING WITH COUNCIL'S SUPERINTENDENT.
25. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.

## CONCRETE

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
2. CONCRETE QUALITY.

ELEMENT	SLUMP	MAX AGGREGATE SIZE	CEMENT TYPE	CEMENT GRADE
ALL	80mm	20mm	GP	25MPa

NO ADMIXTURES SHALL BE USED WITHOUT THE APPROVAL OF COUNCIL'S SUPERINTENDENT.

3. CLEAR CONCRETE COVER TO REINFORCEMENT SHALL BE AS FOLLOWS UNLESS OTHERWISE SHOWN-

ELEMENT	SURFACE OF MEMBER IN INTERIOR ENVIRONMENT	SURFACE OF MEMBER IN ABOVE GROUND EXTERIOR ENVIRONMENT	SURFACE OF MEMBER IN CONTACT WITH GROUND (1)	SURFACE OF MEMBER IN WATER
ALL	35	45	55	75

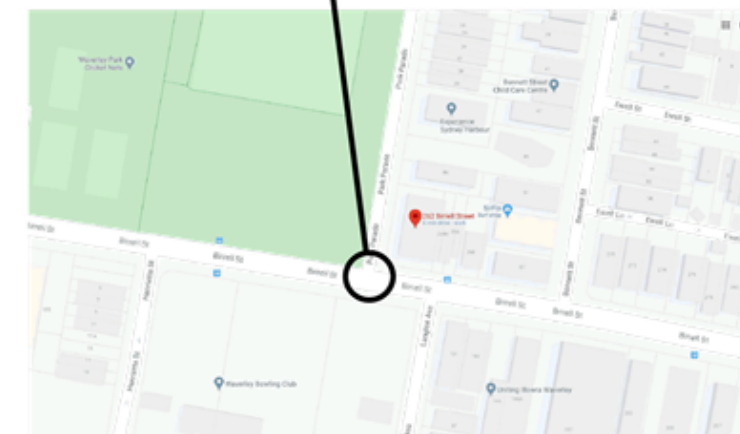
NOTE:  
1. COVER MAY BE REDUCED BY 10mm IF THE SURFACE IS PROTECTED BY A DAMP-PROOF MEMBRANE.  
2. SLABS EXPOSED TO CORROSIVE VAPOURS, CORROSIVE GROUND WATER, SEA WATER, OR SPRAY ARE TO HAVE REINFORCEMENT COVER AS NOTED ON THE DRAWINGS.

## DRAWING SCHEDULE

- 1/5 - NOTES AND SCHEDULES  
2/5 - LAYOUT PLAN  
3/5 - DETAILS SHEET  
4/5 - SERVICES PLAN  
5/5 - SWEEP PATHS

4. SIZES OF CONCRETE ELEMENTS DO NOT INCLUDE THICKNESS OF APPLIED FINISHES.
5. CONSTRUCTION JOINTS WHERE NOT SHOWN SHALL BE LOCATED TO THE APPROVAL OF COUNCIL'S SUPERINTENDENT.
6. NO HOLES OR CHASES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT THE PRIOR APPROVAL OF COUNCIL'S SUPERINTENDENT. WELDING OF REINFORCEMENT WILL NOT BE PERMITTED UNLESS SHOWN ON THE STRUCTURAL DRAWINGS.
8. PIPES OR CONDUITS SHALL NOT BE PLACED WITHIN THE CONCRETE COVER TO REINFORCEMENT WITHOUT THE APPROVAL OF COUNCIL'S SUPERINTENDENT. THE CONCRETE COVER TO EMBEDDED PIPES OR CONDUITS SHALL BE A MINIMUM OF 20mm.
9. ALL REINFORCEMENT FABRIC SHALL COMPLY WITH AS 1303 AND AS 1304 AND SHALL BE SUPPLIED AS FLAT SHEETS.
10. ALL CONCRETE TO BE MECHANICALLY VIBRATED IN FORM TO GIVE MAXIMUM COMPACTION WITHOUT SEGREGATION OF CONCRETE.
11. PROVIDE 20mm CHAMFER TO ALL EXPOSED EDGES U.N.O.

## LOCATION OF WORKS



LOCALITY PLAN  
(NTS)



UTILITIES, IF SHOWN, ARE DIAGRAMMATIC ONLY. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.

IN CASE OF EMERGENCY, CONTACT THE FOLLOWING UTILITIES IF THEIR SERVICES ARE INVOLVED:  
TELSTRA : 132203  
AGL (GAS) : 131245  
SYDNEY WATER : 132090  
AUSGRID : 131388

NOTE  
ALL EXISTING SIGNS AND LINES TO REMAIN UNLESS NOTED OTHERWISE.

IMPORTANT  
REDUNDANT LINE MARKING MUST BE REMOVED BY GRINDING WHERE INDICATED ON PLANS.

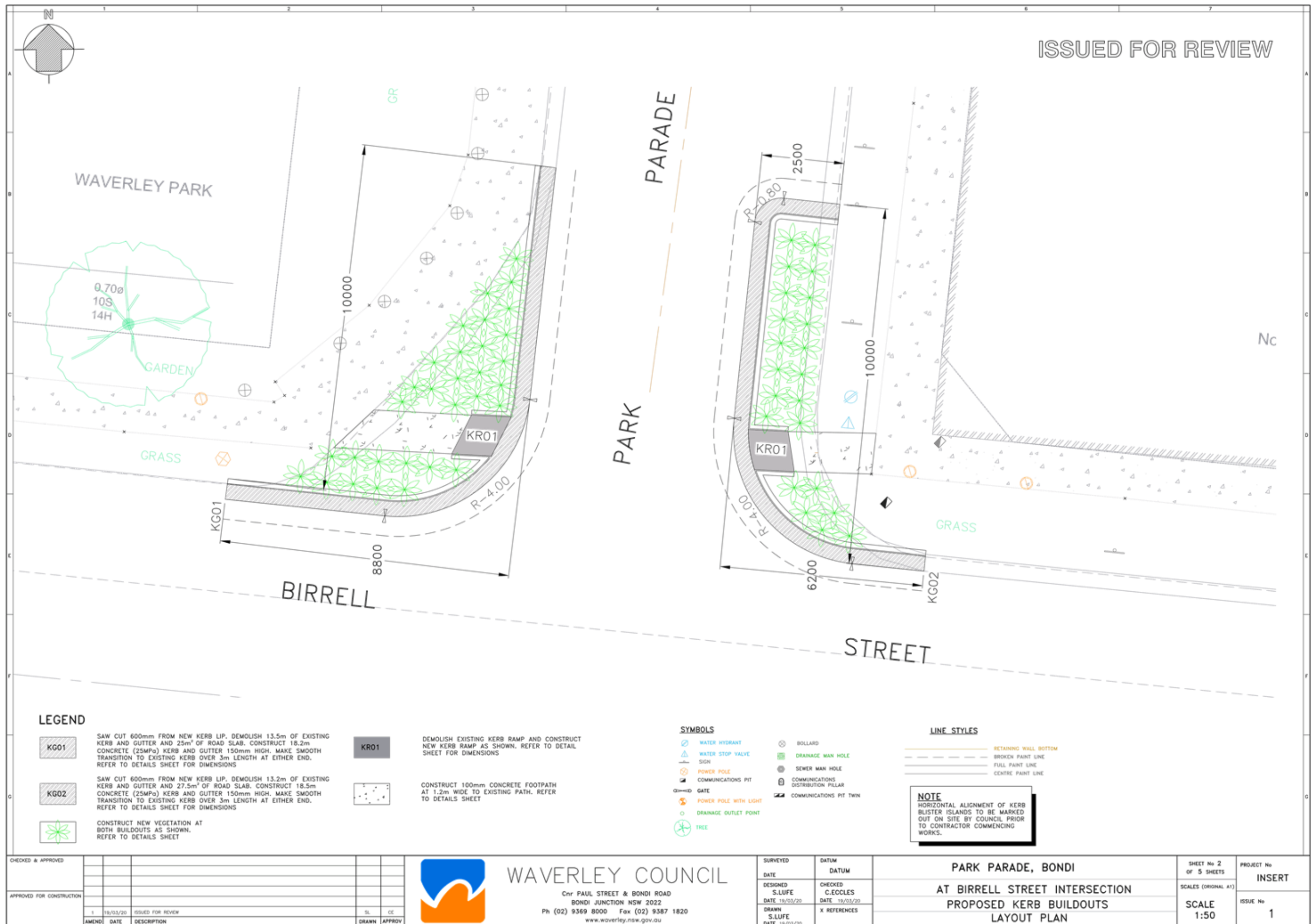
CHECKED & APPROVED					
APPROVED FOR CONSTRUCTION					
AMEND	DATE	DESCRIPTION	DRAWN	APPROV	
1	19/03/20	ISSUED FOR REVIEW	SL	CE	



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BONDI JUNCTION NSW 2022  
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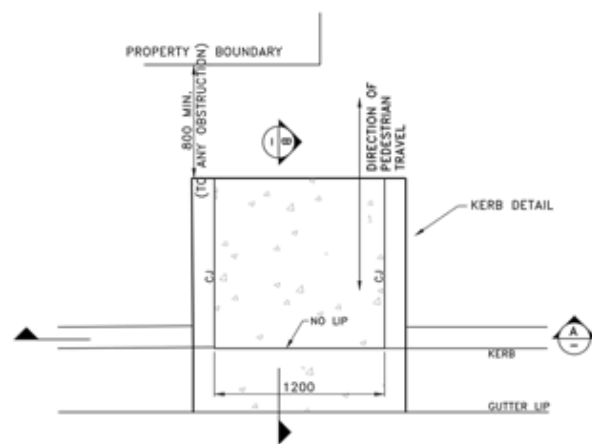
SURVEYED DATE	DATUM DATE	PARK PARADE, BONDI AT BIRRELL STREET INTERSECTION PROPOSED KERB BUILDOUTS NOTES AND SCHEDULES	SHEET No 1 OF 5 SHEETS SCALES (ORIGINAL A1) SCALE NTS	PROJECT No INSERT ISSUE No 1
DESIGNED S.LUFE DATE 19/03/20	CHECKED C.ECCLES DATE 19/03/20			
DRAWN S.LUFE DATE 19/03/20	X REFERENCES			



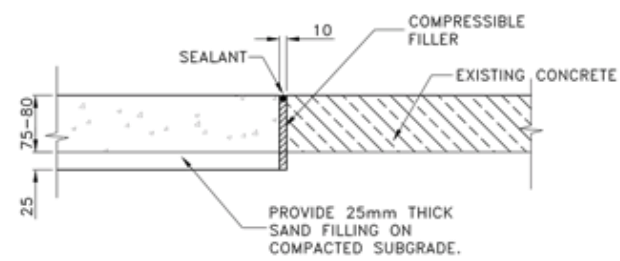


Technical drawing of a drainage channel cross-section. The drawing shows a channel with a nominal kerb line on the left. The channel has a total width of 180mm and a depth of 300mm. The channel is filled with a layer of AC28 (150mm thick) and a layer of AC10 (50mm thick). The channel is lined with 90mm uPVC pipe. The drawing includes dimensions for the channel width (180mm), depth (300mm), and the thickness of the AC28 (150mm) and AC10 (50mm) layers. It also shows the radius of the channel corners (R10, R12, R20) and the distance from the nominal kerb line to the center of the channel (150mm). A drainage hole is specified to be lined with 90mm uPVC pipe extending from the kerb face to 50mm behind the back of the kerb. The drawing is labeled with 'DRAINAGE HOLE WHERE SPECIFIED TO BE LINED WITH 90mm uPVC PIPE EXTENDING FROM KERB FACE TO 50mm BEHIND BACK OF KERB.' and 'LAYER OF AC10 50mm THICK (MAX)' and 'LAYER OF AC28 150mm THICK'.

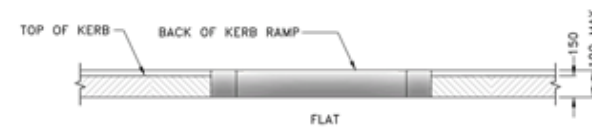
150mm INTEGRAL  
KERB & GUTTER  
SCALE 1:10



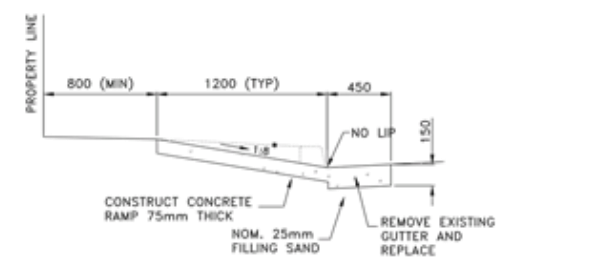
KERB RAMP NO WINGS-TYPE A  
KERB RAMP DETAIL (TYPICAL)  
SCALE 1:40



EXPANSION JOINT B (EJ-B)  
SCALE 1:20

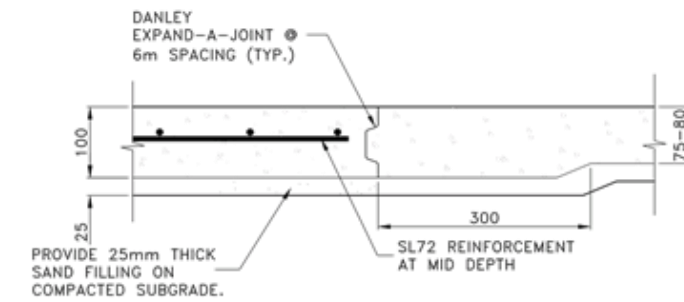


SECTION A  
SCALE 1:40

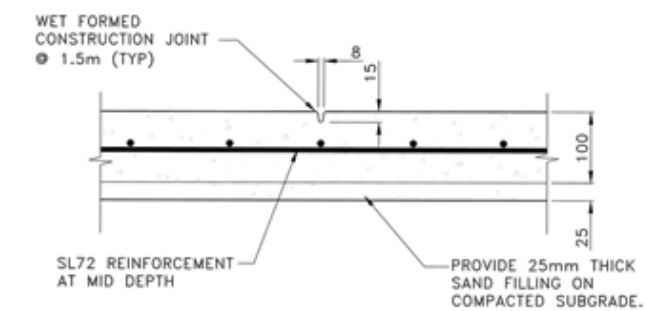


SECTION B  
SCALE 1:40

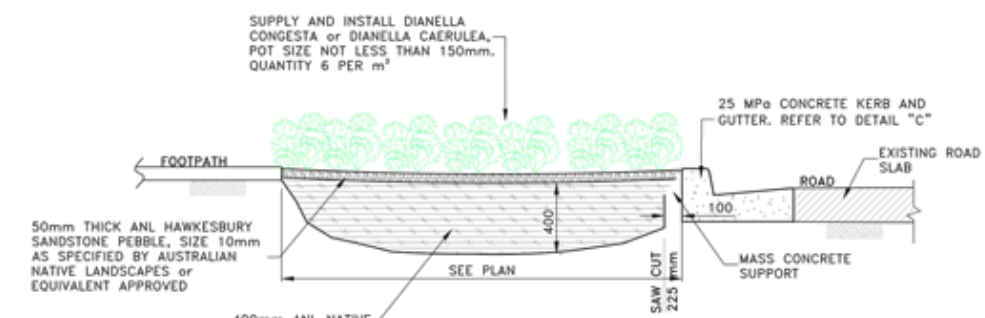
\* NOTE:  
1 IN 8-MAXIMUM



DANLEY EXPAND-A-JOINT (EJ-A)  
SCALE 1:20



CONSTRUCTION JOINT (CJ)  
SCALE 1:10



X-SECTION B-B  
SCALE 1:20

CHECKED & APPROVED					
APPROVED FOR CONSTRUCTION					
	1	19/03/20	ISSUED FOR REVIEW		
	AMEND	DATE	DESCRIPTION	%	CE
				DRAWN	APPROVED



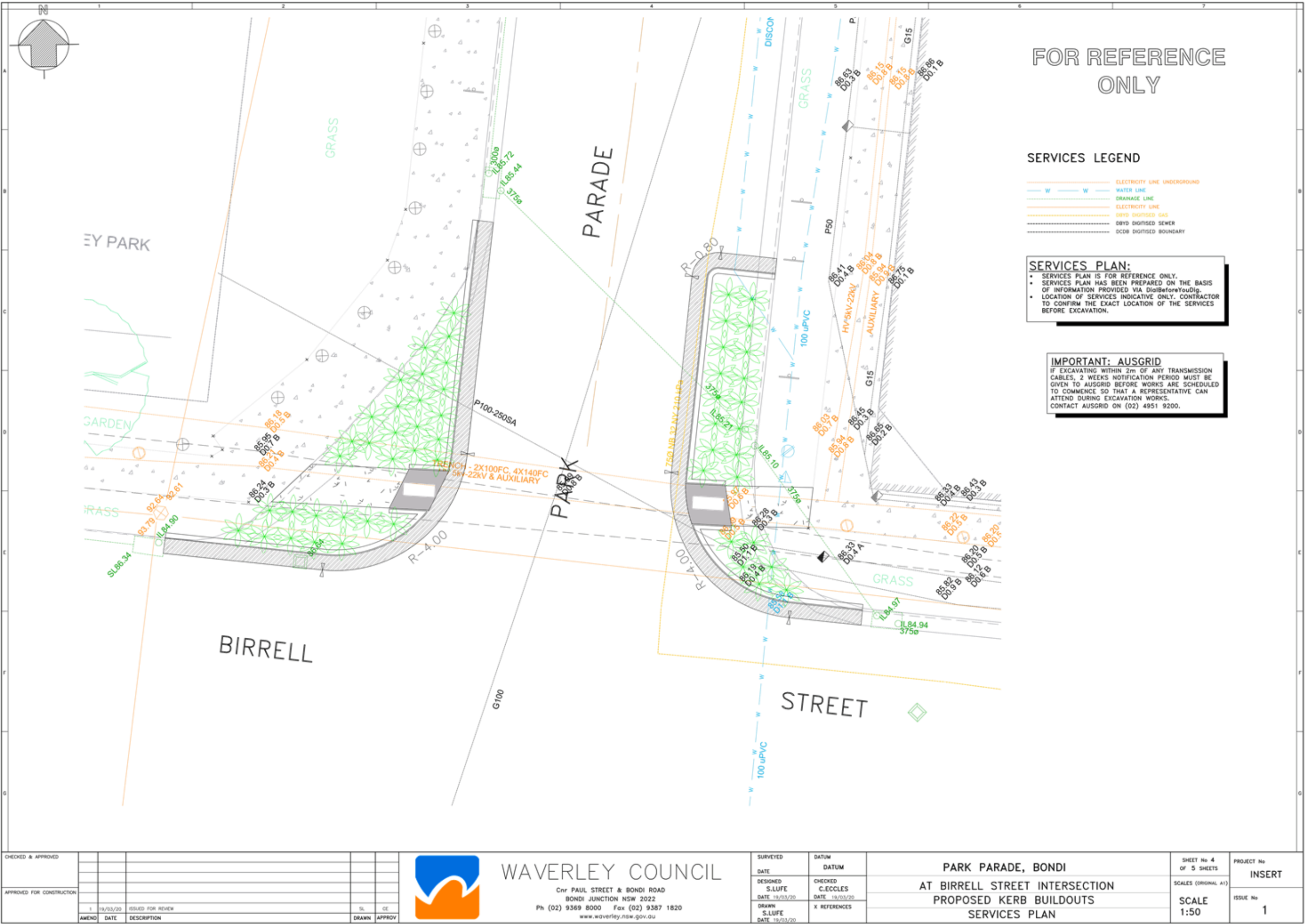
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BONDI JUNCTION NSW 2022  
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[www.waverley.nsw.gov.au](http://www.waverley.nsw.gov.au)

SURVEYED	DATUM
DATE	DATUM
DESIGNED	CHECKED
S.LUFE	C.ECCLES
DATE 18/03/20	DATE 19/03/20
DRAWN	X REFERENCES
S.LUFE	
DATE 18/03/20	

PARK PARADE, BONDI  
AT BIRRELL STREET INTERSECTION  
PROPOSED KERB BUILDOUTS  
DETAILS SHEET

SHEET No 3 OF 5 SHEETS	PROJECT No
SCALES (ORIGINAL A1)	INSERT
SCALE NOTED	ISSUE No 1







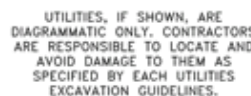


ISSUED FOR REVIEW

1. THE DESIGN DRAWINGS SHOULD BE READ IN CONJUNCTION WITH WAVERLEY COUNCIL'S STANDARD DRAWINGS.
2. DURING CONSTRUCTION THE WORK IS TO BE SIGNPOSTED AND MARKED TO THE REQUIREMENTS OF AS1742.2-2009 AND AS1742.3-2009 "TRAFFIC CONTROL DEVICES FOR WORKS ON ROADS".
3. A TRAFFIC CONTROL PLAN IS TO BE SUBMITTED TO COUNCIL'S PROJECT MANAGER FOR APPROVAL PRIOR TO WORKS.
4. SOIL AND WATER MANAGEMENT PLAN IS TO BE SUBMITTED TO COUNCIL'S PROJECT MANAGER FOR A APPROVAL PRIOR TO WORKS.
5. ALL WORK IS TO BE CARRIED OUT TO BEST PRACTICE STANDARDS AND TO THE SATISFACTION OF THE COUNCIL'S PROJECT MANAGER.
6. THE WORK SITE IS TO BE PROTECTED USING APPROPRIATE SIGNAGE, FENCING, BARRICADING, AND PARA-WEBBING FOR DURATION OF PROJECT CONSTRUCTION.
7. DURING WORKS, CONTRACTOR TO INSTALL TEMPORARY SIGNS - IN ACCORDANCE WITH APPROVED TCP AND MAINTAIN FOR THE DURATION OF THE WORKS.
8. ALL RESIDENTS AFFECTED BY THE PROPOSED WORKS ARE TO BE NOTIFIED AT LEAST 3 WORKING DAYS BEFORE THE COMMENCEMENT OF ROADWORKS TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
9. SUITABLE VEHICULAR ACCESS SHALL BE MAINTAINED TO EACH DRIVEWAY OR ALTERNATIVE ARRANGEMENTS MADE WITH THE OWNERS.
10. WORK TO BE CARRIED OUT WITHIN THE APPROVED HOURS ONLY.

11. UTILITIES (IF SHOWN) ARE DIAGRAMMATIC ONLY AND HAVE BEEN PREPARED FROM THE INFORMATION PROVIDED BY THE RELEVANT SERVICE AUTHORITIES. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THE SERVICE AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.
12. AUGURID REQUIRES THAT CONTRACTOR SHOULD CONTACT THEM IF WORKING WITHIN 5.0M FROM UNDERGROUND ELECTRICITY CONDUITS.
13. WHERE EXISTING SERVICE COVERS ARE NOMINATED TO BE ADJUSTED TO DESIGN LEVELS, CONTRACTOR IS TO CARRY OUT ALL WORKS IN ACCORDANCE WITH RELEVANT SERVICE AUTHORITY REQUIREMENTS.
14. NO SERVICE COVERS ARE TO BE COVERED.

15. ALL TRAFFIC SIGNS TO COMPLY WITH NATSPEC 1192 & RMS SPECIFICATION RI43 AND TO BE OF HIGH INTENSITY CLASS 1 REFLECTIVITY.
16. ALL LINEMARKING IS TO COMPLY WITH NATSPEC 1191 & RMS SPECIFICATION RI41 - "PAVEMENT MARKING"
17. LINEMARKING TO BE IN THERMOPLASTIC TYPE (UNLESS STATED OTHERWISE) AND INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATIONS 3357 AND 3353 RESPECTIVELY. ALL RPPM'S TO COMPLY WITH RMS SPECIFICATION RI42.
18. KERB FACES OF ALL ISLANDS TO BE PAINTED WHITE AND TO INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATION NO. 3353.
19. ALL LINEMARKING AND SIGNPOSTING TO BE REMOVED OR AFFECTED DURING THE COURSE OF THE WORKS ARE TO BE REINSTATED UNLESS NOTED OTHERWISE.
20. ALL EXISTING SIGNS TO REMAIN UNLESS NOTED OTHERWISE.
21. LINEMARKING AND SIGNPOSTING TO BE INSTALLED AS SOON AS PRACTICABLE.
22. REDUNDANT LINEMARKING IS TO BE REMOVED BY GRINDING WHERE SHOWN ON PLANS OR WHERE NEW LINEMARKING IS PROVIDED.
23. ALL SIGNPOSTING ON SPLITTER, KERB OR PEDESTRIAN REFUGE ISLANDS TO BE ERECTED USING -NOTCH INSERTS, UNLESS NOTED OTHERWISE.
24. UNLESS SHOWN ON PLANS, NO STATE SURVEY MARKS ARE TO BE REMOVED PRIOR TO CONSULTING WITH COUNCIL'S SUPERINTENDENT.
25. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.



IN CASE OF EMERGENCY, CONTACT  
THE FOLLOWING UTILITIES IF THEIR  
SERVICES ARE INVOLVED :

TELSTRA	: 132203
AGL (GAS)	: 131245
SYDNEY WATER	: 132090
AUSGRID	: 131388

**NOTE**  
ALL EXISTING SIGNS  
AND LINES TO REMAIN  
UNLESS NOTED  
OTHERWISE.

**IMPORTANT**  
REDUNDANT LINE MARKING  
MUST BE REMOVED BY  
GRINDING WHERE INDICATED  
ON PLANS.

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
2. CONCRETE QUALITY.

ELEMENT	SLUMP	MAX AGGREGATE SIZE	CEMENT TYPE	CEMENT GRADE
ALL	80mm	20mm	GP	25MPa

NO ADMIXTURES SHALL BE USED WITHOUT THE APPROVAL OF COUNCIL'S SUPERINTENDENT.  
CLEAR CONCRETE COVER TO REINFORCEMENT SHALL BE AS FOLLOWS UNLESS OTHERWISE SHOWN:-

ELEMENT	SURFACE OF MEMBER IN INTERIOR ENVIRONMENT	SURFACE OF MEMBER IN ABOVE GROUND EXTERIOR ENVIRONMENT	SURFACE OF MEMBER IN CONTACT WITH GROUND (1)	SURFACE OF MEMBER IN WATER
ALL	35	45	55	75

**NOTE:**

1. COVER MAY BE REDUCED BY 10mm IF THE SURFACE IS PROTECTED BY A DAMP-PROOF MEMBRANE.
2. SLABS EXPOSED TO CORROSIVE VAPOURS, CORROSIVE GROUND WATER, SEA WATER, OR SPRAY ARE TO HAVE REINFORCEMENT COVER AS NOTED ON THE DRAWINGS.

1/5 - NOTES AND SCHEDULES  
2/5 - LAYOUT PLAN  
3/5 - DETAILS SHEET  
4/5 - SIGNAGE AND LINEMARKING PLAN  
5/5 - SERVICES PLAN

4. SIZES OF CONCRETE ELEMENTS DO NOT INCLUDE THICKNESS OF APPLIED FINISHES.
5. CONSTRUCTION JOINTS WHERE NOT SHOWN SHALL BE LOCATED TO THE APPROVAL OF COUNCIL'S SUPERINTENDENT.
6. NO HOLES OR CHASES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT THE PRIOR APPROVAL OF COUNCIL'S SUPERINTENDENT.
7. WELDING OF REINFORCEMENT WILL NOT BE PERMITTED UNLESS SHOWN ON THE STRUCTURAL DRAWINGS.
8. PIPES OR CONDUITS SHALL NOT BE PLACED WITHIN THE CONCRETE COVER TO REINFORCEMENT WITHOUT THE APPROVAL OF COUNCIL'S SUPERINTENDENT. THE CONCRETE COVER TO EMBEDDED PIPES OR CONDUITS SHALL BE A MINIMUM OF 20mm.
9. ALL REINFORCEMENT FABRIC SHALL COMPLY WITH AS 1303 AND AS 1304 AND SHALL BE SUPPLIED AS FLAT SHEETS.
10. ALL CONCRETE TO BE MECHANICALLY VIBRATED IN FORM TO GIVE MAXIMUM COMPACTION WITHOUT SEGREGATION OF CONCRETE.
11. PROVIDE 20mm CHAMFER TO ALL EXPOSED EDGES U.N.O.

LOCALITY PLAN  
(NTS)

CHECKED & APPROVED					
APPROVED FOR CONSTRUCTION					
	1	19/03/20	ISSUED FOR REVIEW	SL	CE
	AMEND	DATE	DESCRIPTION	DRAWN	APPROV



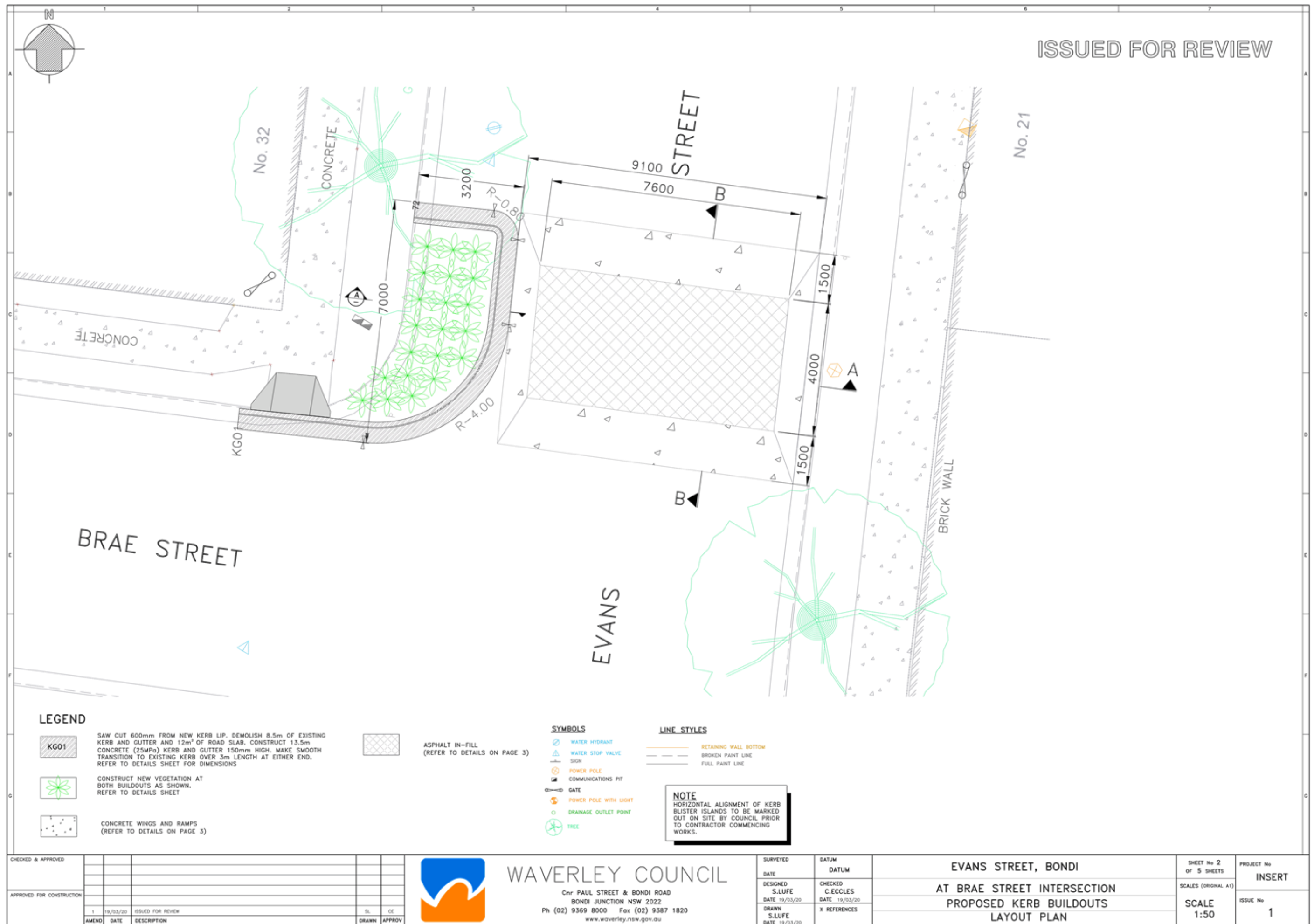
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BONDI JUNCTION NSW 2022  
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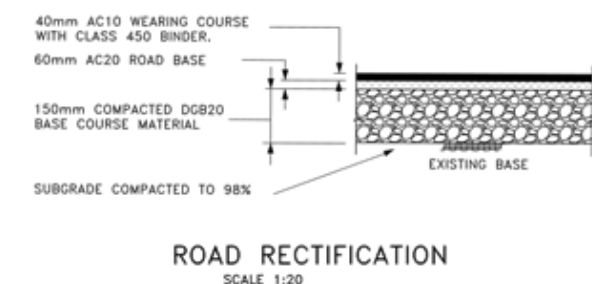
SURVEYED DATE	DATUM DATUM
DESIGNED S.LUFE DATE 19/03/20	CHECKED C.ECCLES DATE 19/03/20
DRAWN S.LUFE DATE 19/03/20	X REFERENCES

EVANS STREET, BRONTE  
AT BRAE STREET INTERSECTION  
PROPOSED KERB BUILDOUTS  
NOTES AND SCHEDULES

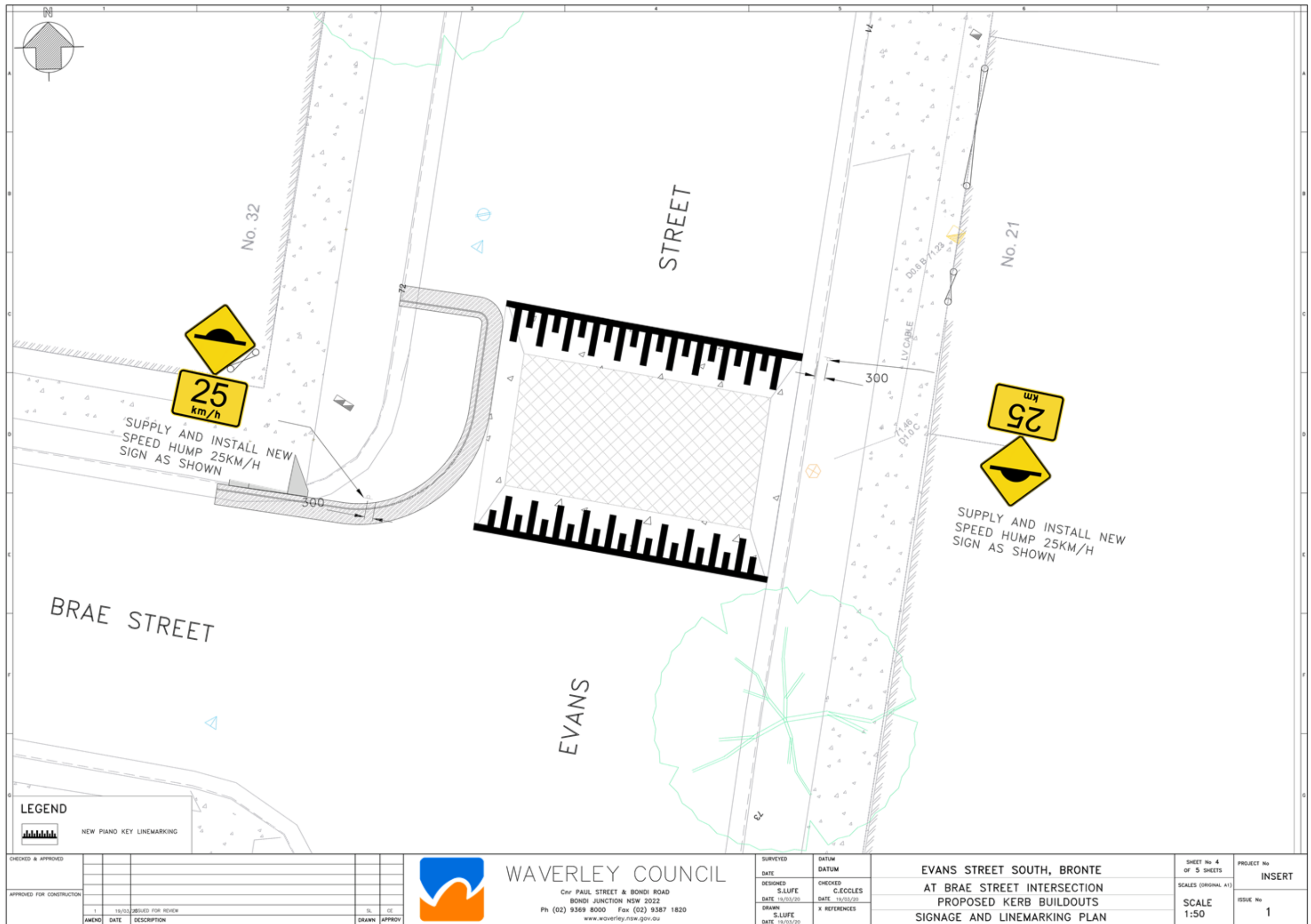
SHEET No 1 OF 5 SHEETS	PROJECT No
SCALES (ORIGINAL A1)	INSERT
SCALE NTS	ISSUE No 1



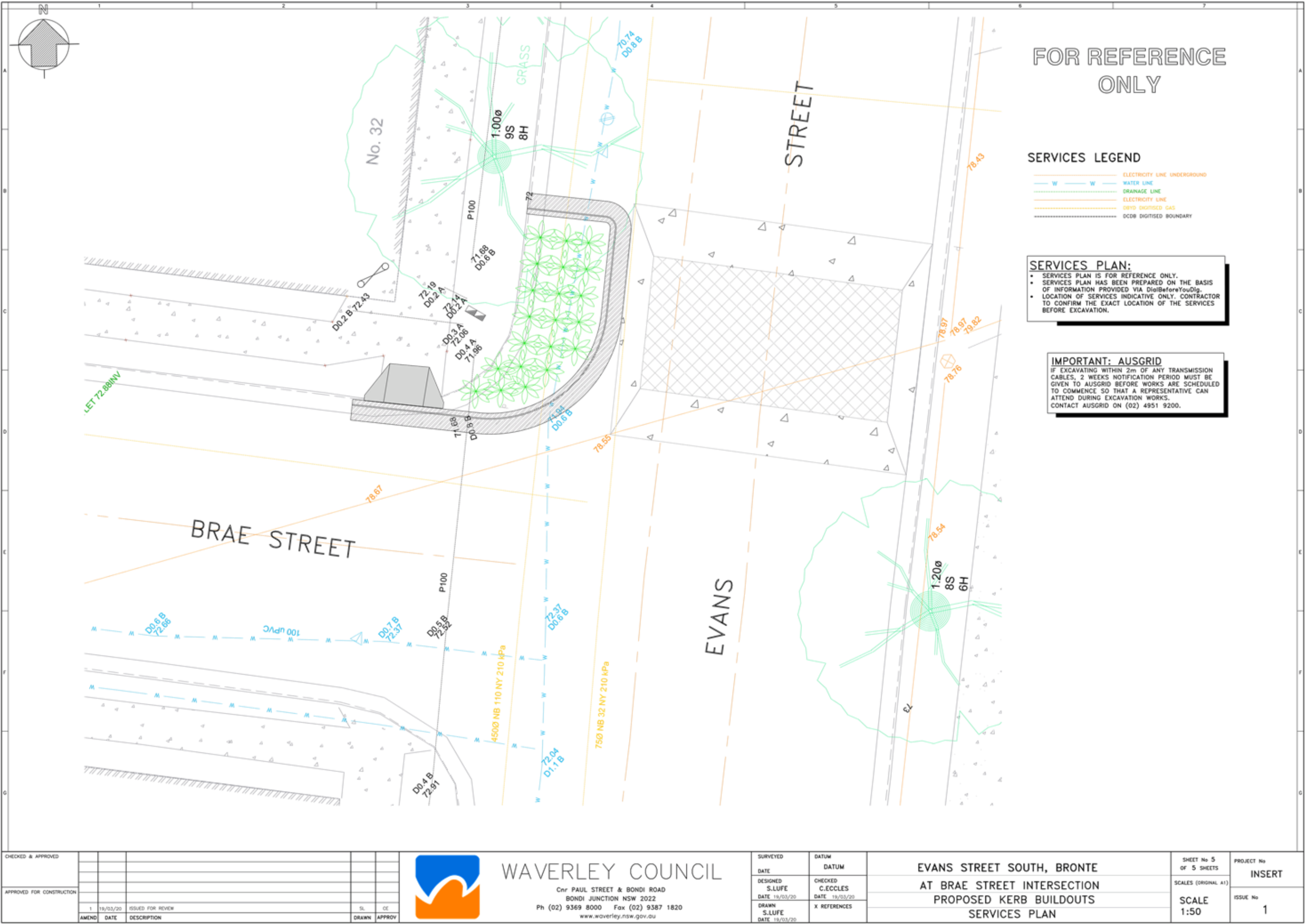




CHECKED & APPROVED			 <div style="text-align: center;"> <b>WAVERLEY COUNCIL</b>          Cnr PAUL STREET &amp; BONDI ROAD          BONDI JUNCTION NSW 2022          Ph (02) 9369 8000 Fax (02) 9387 1820  <a href="http://www.waverley.nsw.gov.au">www.waverley.nsw.gov.au</a> </div>			SURVEYED		DATUM		<b>EVANS STREET, BONDI</b>  <b>AT BRAE STREET INTERSECTION</b> <b>PROPOSED KERB BUILDOUTS</b> <b>DETAILS PLAN</b>		SHEET No 3 OF 5 SHEETS		PROJECT No <b>INSERT</b>	
APPROVED FOR CONSTRUCTION						DESIGNED S.LUFE DATE 19/03/20		CHECKED C.ECCLES DATE 19/03/20				SCALES (ORIGINAL A1)		ISSUE No	
1 19/03/20 ISSUED FOR REVIEW						DRAWN		X REFERENCES				SCALE NOTED		1	
AMEND	DATE	DESCRIPTION				DRAWN	APPROV								



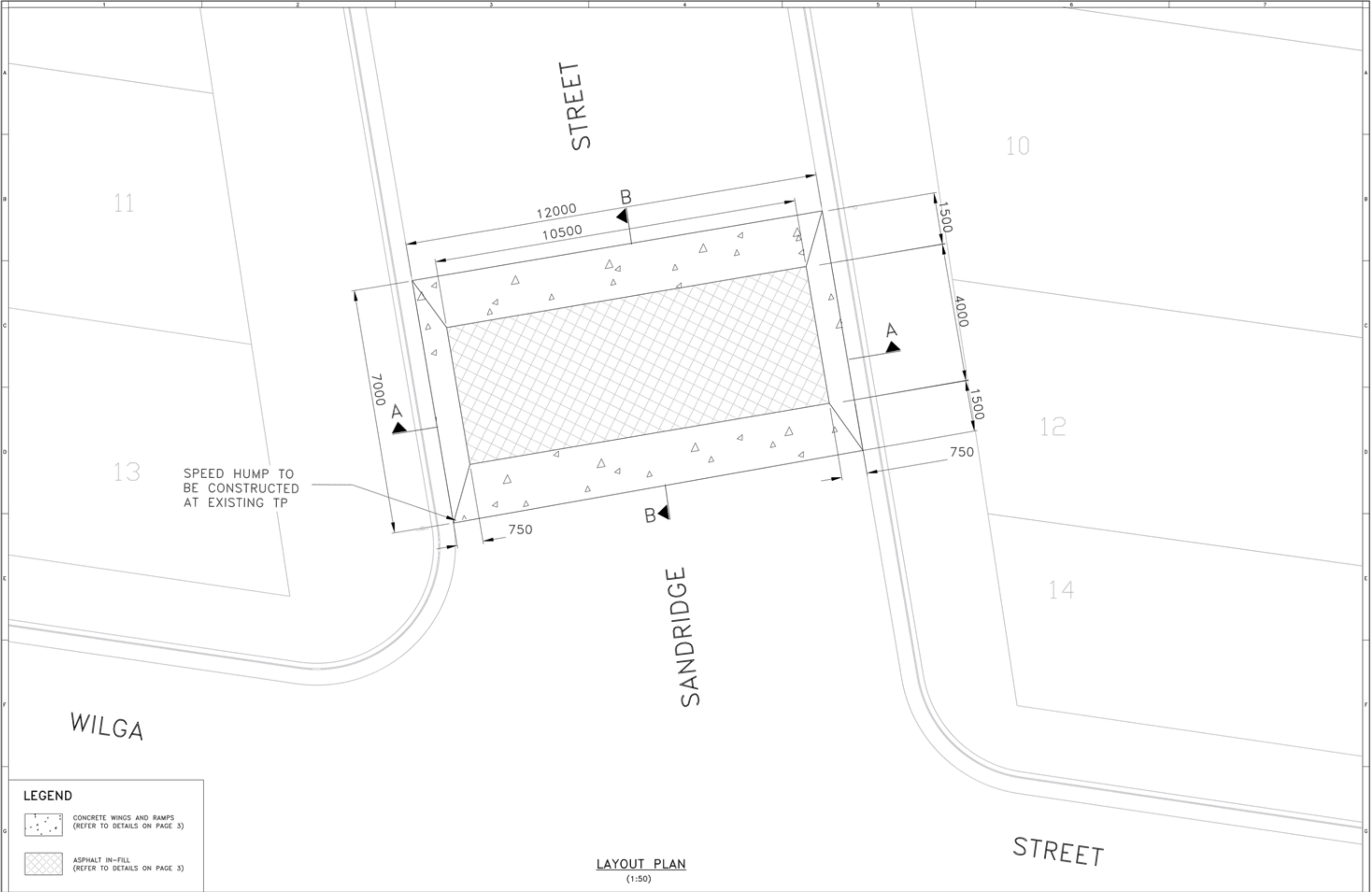




FOR CONSTRUCTION

## Page 99





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AMEND				DATE				DESCRIPTION				DRAWN				APPROV			



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SURVEYED DATE	DATUM DATUM	BONDI 40KM/H PROPOSAL AT 13 SANDRIDGE STREET BONDI PROPOSED SPEED HUMPS LAYOUT PLAN				SHEET No 2 OF 4 SHEETS	PROJECT No DRAWING_NO
DESIGNED S.LUFE DATE 19/03/20	CHECKED C.ECCLES DATE 19/03/20					SCALE (ORIGINAL A1)	ISSUE No
DRAWN S.LUFE DATE 19/03/20	X REFERENCES					SCALE 1:50	A



ROAD RECTIFICATION. REFER TO CIVIL DETAIL

CONCRETE RAMP 1500

75

250 MIN.

300 MIN.

300

SL82 FABRIC, TOP AND BOTTOM (50 COVER)

N12-200 (50 COVER) + 2 N12

RAISED THRESHOLD

FULL DEPTH ASPHALTIC CONCRETE ROAD. REFER DETAIL.

EXISTING BASE

A cross-sectional diagram of a concrete wing and raised threshold assembly. The diagram shows a concrete wing on the left, which is 750 units wide. A vertical dimension of 75 units is shown for the thickness of the concrete wing. The wing is reinforced with SLB2 fabric, top and bottom, with a 50% cover. The wing is adjacent to a raised threshold, which is a full depth asphaltic concrete road. The road is shown with a cross-section of asphalt and a base layer. The base layer is labeled 'EXISTING BASE'. The diagram also shows a 'RAISED THRESHOLD' and a 'FULL DEPTH ASPHALTIC CONCRETE ROAD. REFER DETAIL.'.

30mm AC10 WEARING COURSE WITH CLASS 450 BINDER.

45mm AC20 ROAD BASE

150mm COMPACTED DGB20 BASE COURSE MATERIAL

150mm COMPACTED DGS40 SUBBASE COURSE MATERIAL

SUBGRADE COMPACTED TO 98%

NOTE: SUPERINTENDENT TO INSPECT SUITABILITY

EXISTING BASE

30mm AC10 WEARING COURSE WITH CLASS 450 BINDER.

45mm AC20 ROAD BASE

150mm COMPACTED DGB20 BASE COURSE MATERIAL

SUBGRADE COMPACTED TO 98%

EXISTING BASE

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	AMEND	DATE	DESCRIPTION	DRAWN	APPROVED

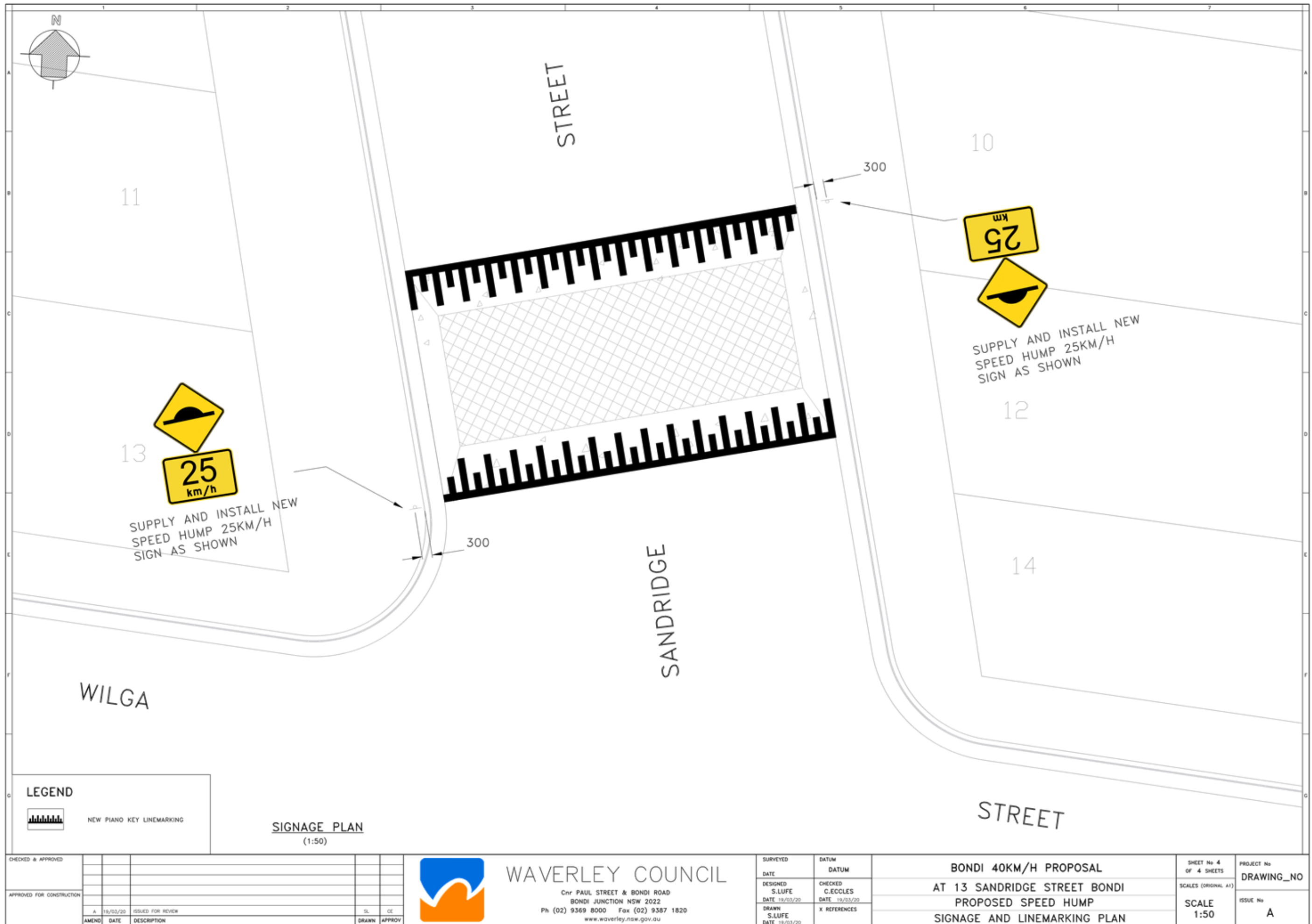


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SURVEYED	DATUM
DATE	DATUM
DESIGNED S.LUFE	CHECKED C.ECCLES
DATE 19/03/20	DATE 19/03/20
DRAWN S.LUFE	X REFERENCES
DATE 19-03-20	

BONDI 40KM/H PROPOSAL  
AT 13 SANDRIDGE STREET BONDI  
PROPOSED SPEED HUMP  
DETAILS PLAN

SHEET No 3 OF 4 SHEETS	PROJECT No <b>DRAWING_NO</b>
SCALES (ORIGINAL A1)	ISSUE No <b>A</b>
<b>SCALE NOTED</b>	



ISSUED FOR REVIEW

# BOURKE STREET, BONDI AT BOURKE LANE INTERSECTION PROPOSED KERB BUILD OUT

## GENERAL NOTES

1. THE DESIGN DRAWINGS SHOULD BE READ IN CONJUNCTION WITH WAVERLEY COUNCIL'S STANDARD DRAWINGS.
2. DURING CONSTRUCTION THE WORK IS TO BE SIGNPOSTED AND MARKED TO THE REQUIREMENTS OF AS1742.2-2009 AND AS1742.3-2009 "TRAFFIC CONTROL DEVICES FOR WORKS ON ROADS".
3. A TRAFFIC CONTROL PLAN IS TO BE SUBMITTED TO COUNCIL'S PROJECT MANAGER FOR APPROVAL PRIOR TO WORKS.
4. SOIL AND WATER MANAGEMENT PLAN IS TO BE SUBMITTED TO COUNCIL'S PROJECT MANAGER FOR A APPROVAL PRIOR TO WORKS.
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7. DURING WORKS, CONTRACTOR TO INSTALL TEMPORARY SIGNS - IN ACCORDANCE WITH APPROVED TCP AND MAINTAIN FOR THE DURATION OF THE WORKS.
8. ALL RESIDENTS AFFECTED BY THE PROPOSED WORKS ARE TO BE NOTIFIED AT LEAST 3 WORKING DAYS BEFORE THE COMMENCEMENT OF ROADWORKS TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
9. SUITABLE VEHICULAR ACCESS SHALL BE MAINTAINED TO EACH DRIVEWAY OR ALTERNATIVE ARRANGEMENTS MADE WITH THE OWNERS.
10. WORK TO BE CARRIED OUT WITHIN THE APPROVED HOURS ONLY.

## SERVICES

11. UTILITIES (IF SHOWN) ARE DIAGRAMMATIC ONLY AND HAVE BEEN PREPARED FROM THE INFORMATION PROVIDED BY THE RELEVANT SERVICE AUTHORITIES. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THE SERVICE AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.
12. AUSGRID REQUIRES THAT CONTRACTOR SHOULD CONTACT THEM IF WORKING WITHIN 5.0M FROM UNDERGROUND ELECTRICITY CONDUITS.
13. WHERE EXISTING SERVICE COVERS ARE NOMINATED TO BE ADJUSTED TO DESIGN LEVELS, CONTRACTOR IS TO CARRY OUT ALL WORKS IN ACCORDANCE WITH RELEVANT SERVICE AUTHORITY REQUIREMENTS.
14. NO SERVICE COVERS ARE TO BE COVERED.

## SIGNS & LINEMARKING

15. ALL TRAFFIC SIGNS TO COMPLY WITH NATSPEC 1192 & RMS SPECIFICATION R143 AND TO BE OF HIGH INTENSITY CLASS 1 REFLECTIVITY.
16. ALL LINEMARKING IS TO COMPLY WITH NATSPEC 1191 & RMS SPECIFICATION R141 - "PAVEMENT MARKING".
17. LINEMARKING TO BE IN THERMOPLASTIC TYPE (UNLESS STATED OTHERWISE) AND INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATIONS 3357 AND 3353 RESPECTIVELY. ALL RRPMS TO COMPLY WITH RMS SPECIFICATION R142.
18. KERB FACES OF ALL ISLANDS TO BE PAINTED WHITE AND TO INCLUDE GLASS BEADS IN ACCORDANCE WITH RMS SPECIFICATION NO. 3353.
19. ALL LINEMARKING AND RRPMS REMOVED OR AFFECTED DURING THE COURSE OF THE WORKS ARE TO BE REINSTATED UNLESS NOTED OTHERWISE.
20. ALL EXISTING SIGNS TO REMAIN UNLESS NOTED OTHERWISE.
21. LINEMARKING AND SIGNPOSTING TO BE INSTALLED AS SOON AS PRACTICABLE.
22. REDUNDANT LINEMARKING IS TO BE REMOVED BY GRINDING WHERE SHOWN ON PLANS OR WHERE NEW LINEMARKING IS PROVIDED.
23. ALL SIGNPOSTING ON SPLITTER, KERB OR PEDESTRIAN REFUGE ISLANDS TO BE ERECTED USING V-NOTCH INSERTS, UNLESS NOTED OTHERWISE.
24. UNLESS SHOWN ON PLANS, NO STATE SURVEY MARKS ARE TO BE REMOVED PRIOR TO CONSULTING WITH COUNCIL'S SUPERINTENDENT.
25. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.

## CONCRETE

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
2. CONCRETE QUALITY.

ELEMENT	SLUMP	MAX AGGREGATE SIZE	CEMENT TYPE	CEMENT GRADE
ALL	80mm	20mm	GP	25MPa

NO ADMIXTURES SHALL BE USED WITHOUT THE APPROVAL OF COUNCIL'S SUPERINTENDENT.

3. CLEAR CONCRETE COVER TO REINFORCEMENT SHALL BE AS FOLLOWS UNLESS OTHERWISE SHOWN-

ELEMENT	SURFACE OF MEMBER IN INTERIOR ENVIRONMENT	SURFACE OF MEMBER IN ABOVE GROUND EXTERIOR ENVIRONMENT	SURFACE OF MEMBER IN CONTACT WITH GROUND (1)	SURFACE OF MEMBER IN WATER
ALL	35	45	55	75

NOTE:  
1. COVER MAY BE REDUCED BY 10mm IF THE SURFACE IS PROTECTED BY A DAMP-PROOF MEMBRANE.  
2. SLABS EXPOSED TO CORROSIVE VAPOURS, CORROSIVE GROUND WATER, SEA WATER, OR SPRAY ARE TO HAVE REINFORCEMENT COVER AS NOTED ON THE DRAWINGS.

## DRAWING SCHEDULE

- 1/5 - NOTES AND SCHEDULES
- 2/5 - LAYOUT PLAN
- 3/5 - DETAILS SHEET
- 4/5 - SIGNAGE AND LINEMARKING
- 5/5 - SERVICES PLAN

## LOCATION OF WORKS



LOCALITY PLAN  
(NTS)



UTILITIES, IF SHOWN, ARE DIAGRAMMATIC ONLY. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDELINES.

IN CASE OF EMERGENCY, CONTACT THE FOLLOWING UTILITIES IF THEIR SERVICES ARE INVOLVED:

TELSTRA	: 132203
AGL (GAS)	: 131245
SYDNEY WATER	: 132090
AUSGRID	: 131388

**NOTE**  
ALL EXISTING SIGNS AND LINES TO REMAIN UNLESS NOTED OTHERWISE.

**IMPORTANT**  
REDUNDANT LINE MARKING MUST BE REMOVED BY GRINDING WHERE INDICATED ON PLANS.

CHECKED & APPROVED					
APPROVED FOR CONSTRUCTION					
AMEND	1	19/03/20	ISSUED FOR REVIEW	SL	CE
DATE			DESCRIPTION	DRAWN	APPROV



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SURVEYED	DATUM
DATE	DATUM
DESIGNED	CHECKED
S.LUFE	C.ECCLES
DATE 19/03/20	DATE 19/03/20
DRAWN	X REFERENCES
S.LUFE	
DATE 19/03/20	

BOURKE STREET, BONDI  
AT BOURKE LANE INTERSECTION  
PROPOSED KERB BUILDOUTS  
NOTES AND SCHEDULES

SHEET No 1  
OF 5 SHEETS  
SCALE  
NTS

PROJECT No  
INSERT  
ISSUE No  
1





