

JUBILEE STREET, WAHROONGA INTERSECTION RECONSTRUCTION AT EDGEWORTH DAVID AVENUE

LEGEND

	EXISTING KERB & GUTTER.
	EXISTING EDGE OF BITUMEN.
	EXISTING FENCE.
	EXISTING CONCRETE PATH EDGE.
	EXISTING 375mm RCP STORMWATER PIPE.
	EXISTING POWER POLE.
	EXISTING SIGN.
	EXISTING TREE/SHRUB.
	SURVEY TRAVERSE STATION.
	STATE SURVEY MARK.
	SURVEY REFERENCE MARKS - DRILL HOLE & WING/GALVANISED IRON PIPE.
	EXISTING WATER STOP VALVE.
	EXISTING WATER HYDRANT.
	EXISTING GAS VALVE.
	EXISTING SEWER MANHOLE.
	EXISTING TELSTRA PIT.
	EXISTING U/G TELSTRA CABLES.
	EXISTING U/G OPTUS CABLES.
	EXISTING U/G GAS MAIN.
	EXISTING OVERHEAD ELECTRICAL CABLES.
	EXISTING WATER MAIN.
	EXISTING U/G NBN CABLES.
	PROPOSED KERB & GUTTER.
	EXTENT OF NEW PAVEMENT CONSTRUCTION (REFER TO TYPICAL SECTION ON SHEET No.2 FOR DETAILS).
	EXTENT OF PAVEMENT PROFILING TO SUIT FINISHED DESIGN LEVELS.
	EXTENT OF DRIVEWAY RECONSTRUCTION REINSTATED WITH EXISTING OR MATERIALS UNLESS NOTED OTHERWISE.
	EXTENT OF NEW FOOTPATH CONSTRUCTION. ALL PATHS N25 CONCRETE (COLOUR: PLAIN CONCRETE).

DRAWING SCHEDULE		
SHEET No.	TITLE	ISSUE
1	DRAWING SCHEDULE, LOCALITY PLAN, LEGEND & GENERAL NOTES.	1
2	TYPICAL CROSS SECTIONS & NEW ROAD PAVEMENT DETAILS.	1
3	GENERAL WORKS & SERVICES PLAN.	1
4	SETOUT DETAILS & SURVEY CONTROL PLAN.	1
5	SIGNS & LINE MARKING PLAN.	1

GENERAL NOTES:

- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS & SPECIFICATIONS OF HORNSBY SHIRE COUNCIL.
- LEVELS SHALL BE OBTAINED FROM ESTABLISHED BENCH MARKS & NOT FROM SURVEY PEGS.
- PROVIDE TRAFFIC MANAGEMENT, LINEMARKING & SIGNAGE IN ACCORDANCE WITH "THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" / AS1742 REQUIREMENTS.
- SERVICES SHOWN ON THESE PLANS HAVE BEEN LOCATED FROM INFORMATION SUPPLIED FROM THE RELEVANT AUTHORITIES VIA A "DIAL BEFORE YOU DIG" ENQUIRY. THE LOCATION OF SERVICES SHOWN ON THESE DRAWINGS HAVE BEEN PLOTTED AS ACCURATELY AS POSSIBLE FROM DIAGRAMS PROVIDED BY SERVICE AUTHORITIES & FIELD INVESTIGATIONS & ARE TO BE VERIFIED PRIOR TO CONSTRUCTION.
- EROSION & SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED IN ACCORDANCE WITH THE LANDCOM PUBLICATION:- "MANAGING URBAN STORMWATER, SOILS & CONSTRUCTION" Vol. 1, 4th EDITION.
- ALL DISTURBED AREAS OF THE SITE ARE TO BE REINSTATED WITH EXISTING OR MATCHING MATERIALS UNLESS NOTED OTHERWISE AT THE COMPLETION OF THE WORKS.
- ARRANGE SET-OUT BY HORNSBY SHIRE COUNCIL DESIGN & CONSTRUCTION BRANCH SURVEYOR. NOTIFY ENGINEERING SURVEYOR A MINIMUM OF 24 HOURS IN ADVANCE.
- WHERE PAVEMENT RESURFACING IS UNDERTAKEN ENSURE ALL BLUE HYDRANT MARKER RRPMS ARE REINSTATED AT THE COMPLETION OF WORKS.
- THE LOCAL AREA TRAFFIC COMMITTEE (LTC) HAS BEEN CONSULTED ON THIS DESIGN PROPOSAL REF: LTC XX/2019 AS IT IS REMOVING PART OF A PREVIOUS LOCAL AREA TRAFFIC MANAGEMENT SCHEME.
- TREES SHOWN TO BE REMOVED ON THESE DRAWINGS HAVE BEEN ASSESSED & APPROVED FOR REMOVAL BY COUNCIL'S TREE MANAGEMENT GROUP. CONTACT: PETER HARRIGAN PH:9847 6991
- FOR EXISTING SERVICE LOCATIONS & CONTACTS REFER TO THE FOLLOWING:
JEMENA GAS NORTH: Ph:1300 880 906 (DBYD REF:81064.948)



LOCALITY PLAN
NOT TO SCALE

SUBSOIL DRAINAGE NOTES:

- SUBSOIL DRAINAGE TO BE INSTALLED AS DIRECTED BY SUPERVISING CONSTRUCTION ENGINEER.
- SUBSOIL FLUSHING POINTS TO BE INSTALLED AT ALL U/S ENDS OF LINES & AT 60m MAXIMUM CENTRES. CONNECT SUBSOIL PIPES TO STORMWATER PITS.

TRAFFIC & ROAD SAFETY BRANCH	
Senior Traffic Engineer	Name: R. ZARZYCKI Telephone: 9847 6524
Accepted as complying with the general intent of the design brief	
Signed:	Date:
ASSET MANAGEMENT & MAINTENANCE BRANCH	
Senior Asset Engineer	Name: A. BOYD Telephone: 9847 6672
Accepted as complying with the general intent of the design brief	
Signed:	Date:

**Hornsby Shire Council
Design & Construction
Branch**
TELEPHONE: (02) 9847 6666
FACSIMILE: (02) 9847 6999

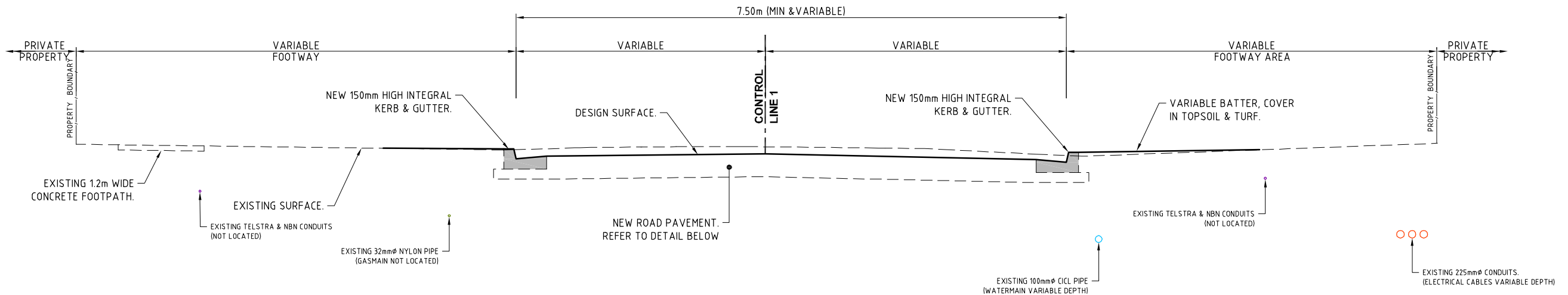
Designer S. COMISH	Design Checked-Design Team Leader				
Drawn S. COMISH	Drawing Checked				
Surveyor A. BEVEN	NA Field Book	NA Level Book	AHD Datum		
Project Identifier\CAD File Name H:\Edgeworth David Ave_TR_100346\Design\Edgeworth.dwg					
TRIM Document Number XXX	ISSUE	DESCRIPTION	NAME	INITIAL	DATE
	1	ISSUED FOR CONSTRUCTION	M. NOBILO		
Design not to be amended without authorisation by Manager Design & Construction					

Bar Scales
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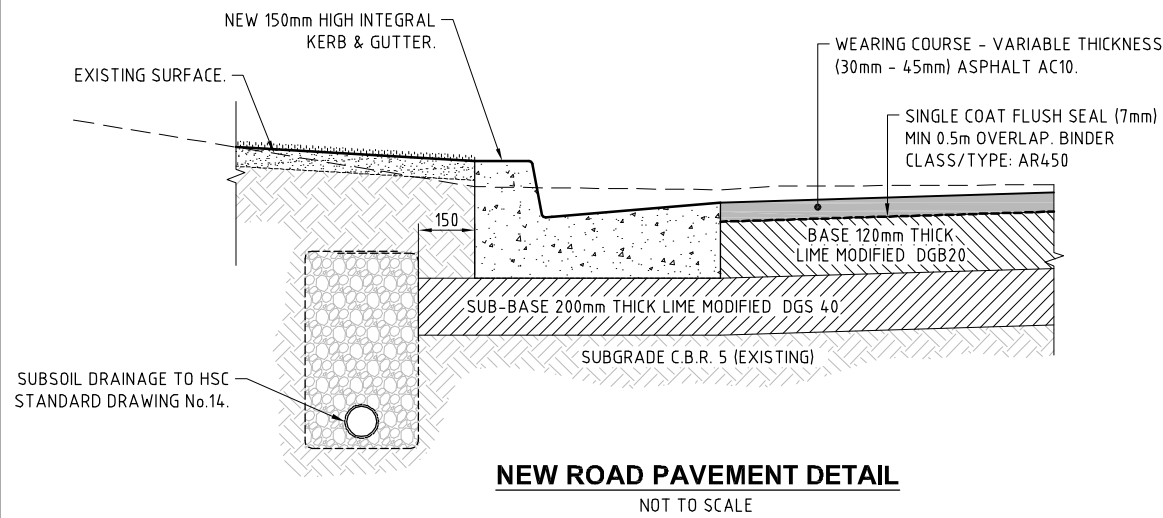


**JUBILEE STREET, WAHROONGA
INTERSECTION RECONSTRUCTION
AT EDGEWORTH DAVID AVENUE**
DRAWING SCHEDULE, LOCALITY PLAN,
LEGEND & GENERAL NOTES

Project Number 100346		
Sheet 1	of 5	Issue 1
HSC Drawing Number 886.3		



TYPICAL CROSS SECTION
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NEW ROAD PAVEMENT DETAIL
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ASPHALT COURSE & LAYER THICKNESS TABLE

NOMINAL SIZE OF ASPHALT (mm)	COMPACTED LAYER THICKNESS (mm)	TYPE OF WORK
10	30 TO 45	WEARING COURSE
10	20 TO 45	CORRECTIVE COURSE
14	30 TO 55	CORRECTIVE COURSE
20	40 TO 90	CORRECTIVE COURSE

**Hornsby Shire Council
Design & Construction
Branch**

TELEPHONE: 021 9847 6666
FACSIMILE: 021 9847 6999
Authorised for release - Manager Design & Construction
Name: R. RAJCA Signed: Date:

Designer
S. COMISH
Design Checked-Design Team Leader
Signed:
Drawn
S. COMISH
Drawing Checked
Signed:
Surveyor
A. BEVEN
NA NA AHD
Field Book Level Book Datum
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**JUBILEE STREET, WAHROONGA
INTERSECTION RECONSTRUCTION
AT EDGEWORTH DAVID AVENUE**

TYPICAL CROSS SECTION & NEW ROAD PAVEMENT DETAILS

Project Number 100346		
Sheet 2	of 5	Issue 1
HSC Drawing Number 886.3		

WARNING
BEWARE OF UNDERGROUND SERVICES
 THE LOCATIONS OF UNDERGROUND SERVICES HAVE BEEN INTERPOLATED FROM KNOWN POSITIONS OF VALVES, MANHOLES ETC. AND/OR INFORMATION SUPPLIED BY SERVICE AUTHORITIES. NO RESPONSIBILITY IS TAKEN FOR THE ACCURACY OF THE INTERPOLATED INFORMATION SUPPLIED. ENSURE ALL SERVICES ARE ACCURATELY LOCATED PRIOR TO COMMENCEMENT OF WORK.

No 48-58
 WAITARA PUBLIC SCHOOL

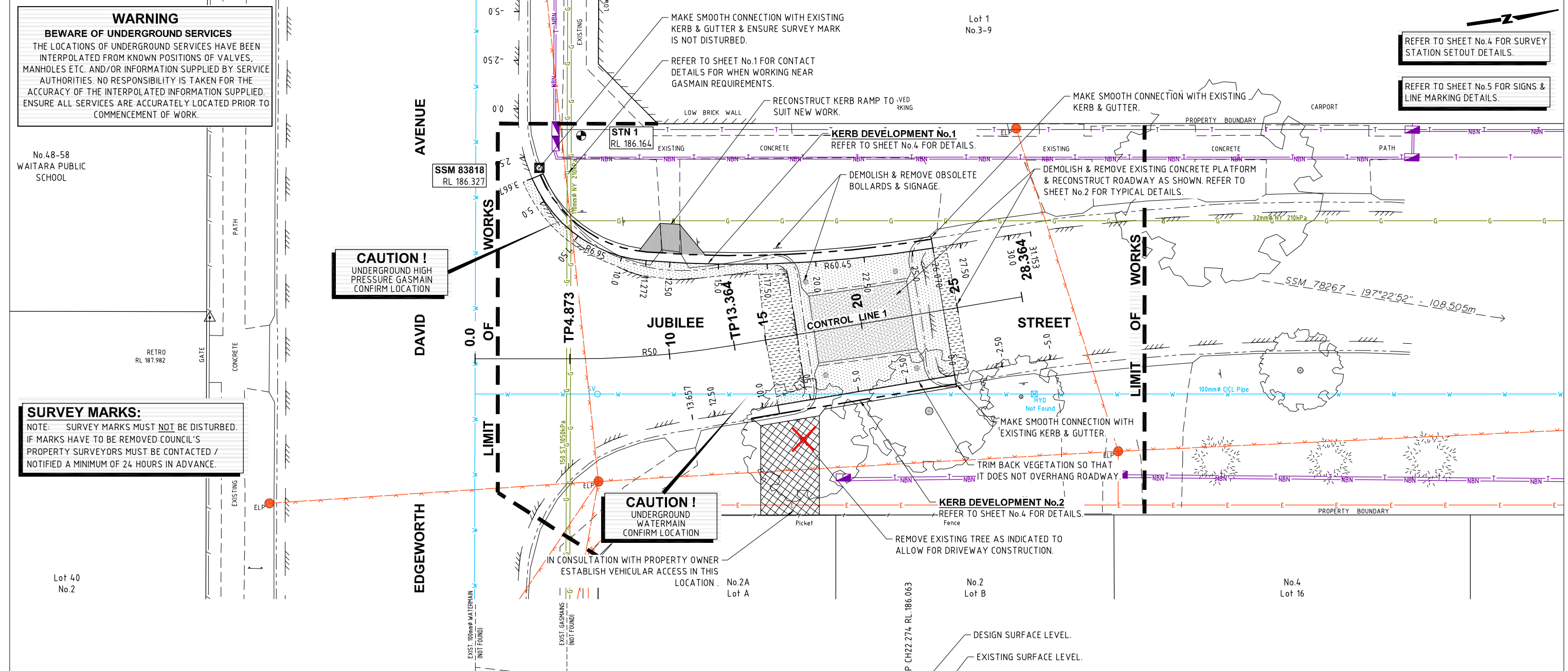
SURVEY MARKS:
 NOTE: SURVEY MARKS MUST NOT BE DISTURBED. IF MARKS HAVE TO BE REMOVED COUNCIL'S PROPERTY SURVEYORS MUST BE CONTACTED / NOTIFIED A MINIMUM OF 24 HOURS IN ADVANCE.

REFER TO SHEET No.4 FOR SURVEY STATION SETOUT DETAILS.

REFER TO SHEET No.5 FOR SIGNS & LINE MARKING DETAILS.

CAUTION!
 UNDERGROUND HIGH PRESSURE GASMAIN
 CONFIRM LOCATION

CAUTION!
 UNDERGROUND WATERMAIN
 CONFIRM LOCATION

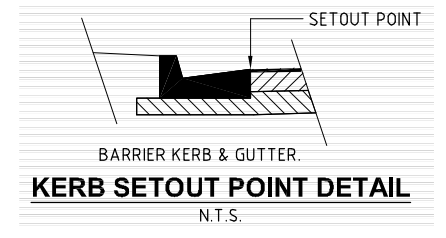


Horizontal Geometry Data
 Vertical Geometry Grade (%)
 Vertical Grade Length (m)
 Vertical Curve Length (m)
 Vertical Curve Radius (m)
 DATUM R.L. 183.000

Horizontal Geometry Data	R-50m								
Vertical Geometry Grade (%)					-0.334%	-0.5%			
Vertical Grade Length (m)					7.306m	3.346m			
Vertical Curve Length (m)									
Vertical Curve Radius (m)							R 3614.458		

CUT / FILL DEPTH TO EXISTING	CONTROL LINE	FINISHED LEVEL	EXISTING SURFACE LEVEL	CONTROL LINE CHAINAGE
			186.314	0
			186.137	4.873
			186.089	10
			186.092	13.364
			186.087	14.968
			186.073	19.274
			186.126	20
			186.068	22.274
			186.045	25.274
			186.046	25.620
			186.033	28.364

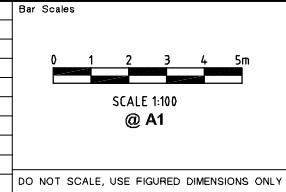
LONGITUDINAL SECTION - CL1
 SCALE 1:100 HOR
 1:50 VERT



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Designer: S. COMISH
 Design Checked-Design Team Leader: S. COMISH
 Drawn: S. COMISH
 Surveyor: A. BEVEN
 Project Identifier: \\CAD File Name: H:\Edgeworth David Ave_TR_100346\Design\Edgeworth.dwg
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Issue	Description	Name	Initial	Date
1	ISSUED FOR CONSTRUCTION	M. NOBILO		



JUBILEE STREET, WAHROONGA
INTERSECTION RECONSTRUCTION
AT EDGEWORTH DAVID AVENUE
 GENERAL WORKS & SERVICES PLAN

Project Number	100346		
Sheet	of	Issue	
3	5	1	
HSC Drawing Number	886.3		

Authorised for release - Manager Design & Construction
 Name: R. RAJCA Signed: Date:

Design not to be amended without authorisation by Manager Design & Construction

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KERB DEVELOPMENT No.1 SETOUT DETAILS					
POINT	CHAINAGE	EASTING	NORTHING	LEVEL	REMARKS
CTP	-5.000	325081.432	6268666.412	EXIST	
	-2.500	325083.902	6268666.023	EXIST	
	0.000	325086.371	6268665.633	EXIST	
	2.500	325088.863	6268665.589	EXIST	
	3.667	325090.009	6268665.804	186.232	MATCH
5.000	325091.261	6268666.256	186.206	R6.95	
7.500	325093.282	6268667.705	186.163	R6.95	
10.000	325094.664	6268669.772	186.129	R6.95	
CTP	11.272	325095.061	6268670.978	186.115	R6.95
	12.500	325095.324	6268672.178	186.104	R60.45
	15.000	325095.785	6268674.635	186.087	R60.45
	17.500	325096.144	6268677.109	186.073	R60.45
	20.000	325096.400	6268679.595	186.055	R60.45
22.500	325096.553	6268682.091	186.033	R60.45	
25.000	325096.603	6268684.590	186.008	R60.45	
CTP	26.070	325096.593	6268685.659	185.996	MATCH
	27.500	325096.566	6268687.090	EXIST	
	30.000	325096.520	6268689.589	EXIST	
	31.153	325096.499	6268690.742	EXIST	

KERB DEVELOPMENT No.2 SETOUT DETAILS					
POINT	CHAINAGE	EASTING	NORTHING	LEVEL	REMARKS
IP 1	-5.000	325103.141	6268690.796	EXIST	
	-2.500	325103.187	6268688.296	EXIST	
	0.000	325103.233	6268685.797	185.944	MATCH
	2.500	325103.279	6268683.297	185.970	
	5.000	325103.325	6268680.798	186.022	
7.500	325103.371	6268678.298	186.045		
10.000	325103.417	6268675.798	EXIST		
IP 2	12.500	325103.463	6268673.299	EXIST	
	13.657	325103.485	6268672.142	EXIST	

CONTROL LINE 1 SETOUT DETAILS					
CHAINAGE	EASTING	NORTHING	LEVEL	BEARING	RADIUS
0.000	325098.737	6268661.540	EXIST	8°40'24"	
4.873	325099.471	6268666.358	EXIST	8°40'24"	-50.000
5.000	325099.490	6268666.483	EXIST	8°31'42"	-50.000
10.000	325099.984	6268671.457	EXIST	2°47'55"	-50.000
13.364	325100.035	6268674.820	EXIST	358°56'37"	
14.969	325100.005	6268676.424	186.087	358°56'37"	
15.000	325100.005	6268676.455	186.087	358°56'37"	
20.000	325099.912	6268681.455	186.070	358°56'37"	
25.000	325099.820	6268686.454	186.049	358°56'37"	
25.620	325099.809	6268687.074	186.046	358°56'37"	
28.364	325099.758	6268689.817	EXIST	358°56'37"	

SURVEY STATIONS & REFERENCE MARKS TABLE				
NUMBER	EASTING	NORTHING	LEVEL	DESCRIPTION
1	325088.207	6268668.629	186.164	STN NAIL IN BIT
2	325121.939	6268769.803	185.368	SSM 78267
500	325121.745	6268767.781	187.408	RETRO ON POLE
501	325076.972	6268668.140	188.179	RETRO ON POLE
502	325122.703	6268661.221	187.497	RETRO ON POLE
503	325094.630	6268648.353	187.982	RETRO ON FENCE
1000	325025.679	6268677.408	186.130	DH&W
1003	325106.408	6268786.344	185.225	DH&W
90532	325089.528	6268666.259	186.327	SSM 83818



SURVEY CONTROL		
SURVEY STATION AND/OR CONTROL LINE DETAILS CHECKED AND VERIFIED		
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Project Number	100346	
Sheet	of	Issue
4	5	1
HSC Drawing Number		
886.3		

**Hornsby Shire Council
Design & Construction
Branch**
 TELEPHONE: (02) 9847 6666
 FACSIMILE: (02) 9847 6999
 Authorised for release - Manager Design & Construction
 Name: R. RAJCA Signed: Date:

Designer
S. COMISH
 Design Checked-Design Team Leader
Signed:
 Drawn
S. COMISH
 Drawing Checked
Signed:
 Surveyor
A. BEVEN
 NA NA AHD
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1	ISSUED FOR CONSTRUCTION	M. NOBILO		

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 HORNSBY SHIRE COUNCIL
 PO BOX 37, HORNSBY NSW 1630
 DX 9855 HORNSBY

**JUBILEE STREET, WAHROONGA
INTERSECTION RECONSTRUCTION
AT EDGEWORTH DAVID AVENUE**
 SETOUT DETAILS & SURVEY CONTROL PLAN

DO NOT SCALE, USE FIGURED DIMENSIONS ONLY

REFER TO SHEET No.4 FOR SURVEY STATION SETOUT DETAILS.

REFER TO SHEET No.3 FOR GENERAL WORKS & SERVICE DETAILS.

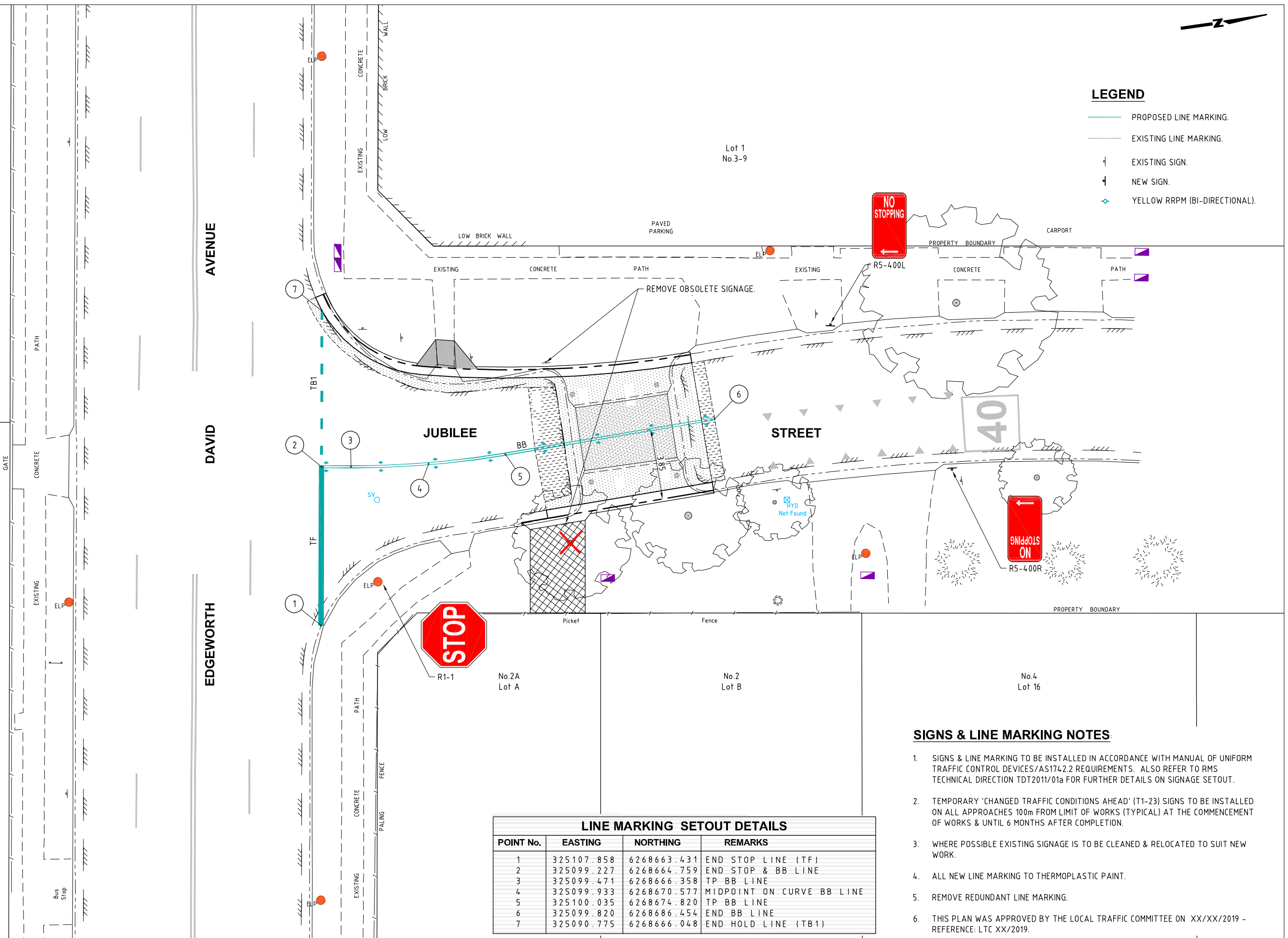
No.48-58
WAITARA PUBLIC SCHOOL

Lot 40
No.2

THIS DRAWING SHALL ONLY BE REPRODUCED AND READ IN COLOUR



- LEGEND**
- PROPOSED LINE MARKING.
 - EXISTING LINE MARKING.
 - EXISTING SIGN.
 - NEW SIGN.
 - YELLOW RRP (BI-DIRECTIONAL).



LINE MARKING SETOUT DETAILS

POINT No.	EASTING	NORTHING	REMARKS
1	325107.858	6268663.431	END STOP LINE (TF)
2	325099.227	6268664.759	END STOP & BB LINE
3	325099.471	6268666.358	TP BB LINE
4	325099.933	6268670.577	MIDPOINT ON CURVE BB LINE
5	325100.035	6268674.820	TP BB LINE
6	325099.820	6268686.454	END BB LINE
7	325090.775	6268666.048	END HOLD LINE (TB1)

SIGNS & LINE MARKING NOTES

- SIGNS & LINE MARKING TO BE INSTALLED IN ACCORDANCE WITH MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES/AS1742.2 REQUIREMENTS. ALSO REFER TO RMS TECHNICAL DIRECTION TDT2011/01a FOR FURTHER DETAILS ON SIGNAGE SETOUT.
- TEMPORARY 'CHANGED TRAFFIC CONDITIONS AHEAD' (T1-23) SIGNS TO BE INSTALLED ON ALL APPROACHES 100m FROM LIMIT OF WORKS (TYPICAL) AT THE COMMENCEMENT OF WORKS & UNTIL 6 MONTHS AFTER COMPLETION.
- WHERE POSSIBLE EXISTING SIGNAGE IS TO BE CLEANED & RELOCATED TO SUIT NEW WORK.
- ALL NEW LINE MARKING TO THERMOPLASTIC PAINT.
- REMOVE REDUNDANT LINE MARKING.
- THIS PLAN WAS APPROVED BY THE LOCAL TRAFFIC COMMITTEE ON XX/XX/2019 - REFERENCE: LTC XX/2019.

**Hornsby Shire Council
Design & Construction
Branch**

TELEPHONE: 021 9847 8666
FACSIMILE: 021 9847 8999

Authorised for release - Manager Design & Construction
Name: R. RAJCA Signed: Date:

Designer
S. COMISH

Design Checked-Design Team Leader
Signed:

Drawn
S. COMISH

Surveyor
A. BEVEN

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Bar Scales

SCALE 1:100
@ A1

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**HORNSBY
SHIRE COUNCIL**
PO BOX 37, HORNSBY NSW 1630
DX 9855 HORNSBY

**JUBILEE STREET, WAHROONGA
INTERSECTION RECONSTRUCTION
AT EDGEWORTH DAVID AVENUE**

SIGNS & LINE MARKING PLAN

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Sheet of Issue
5 5 1

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