



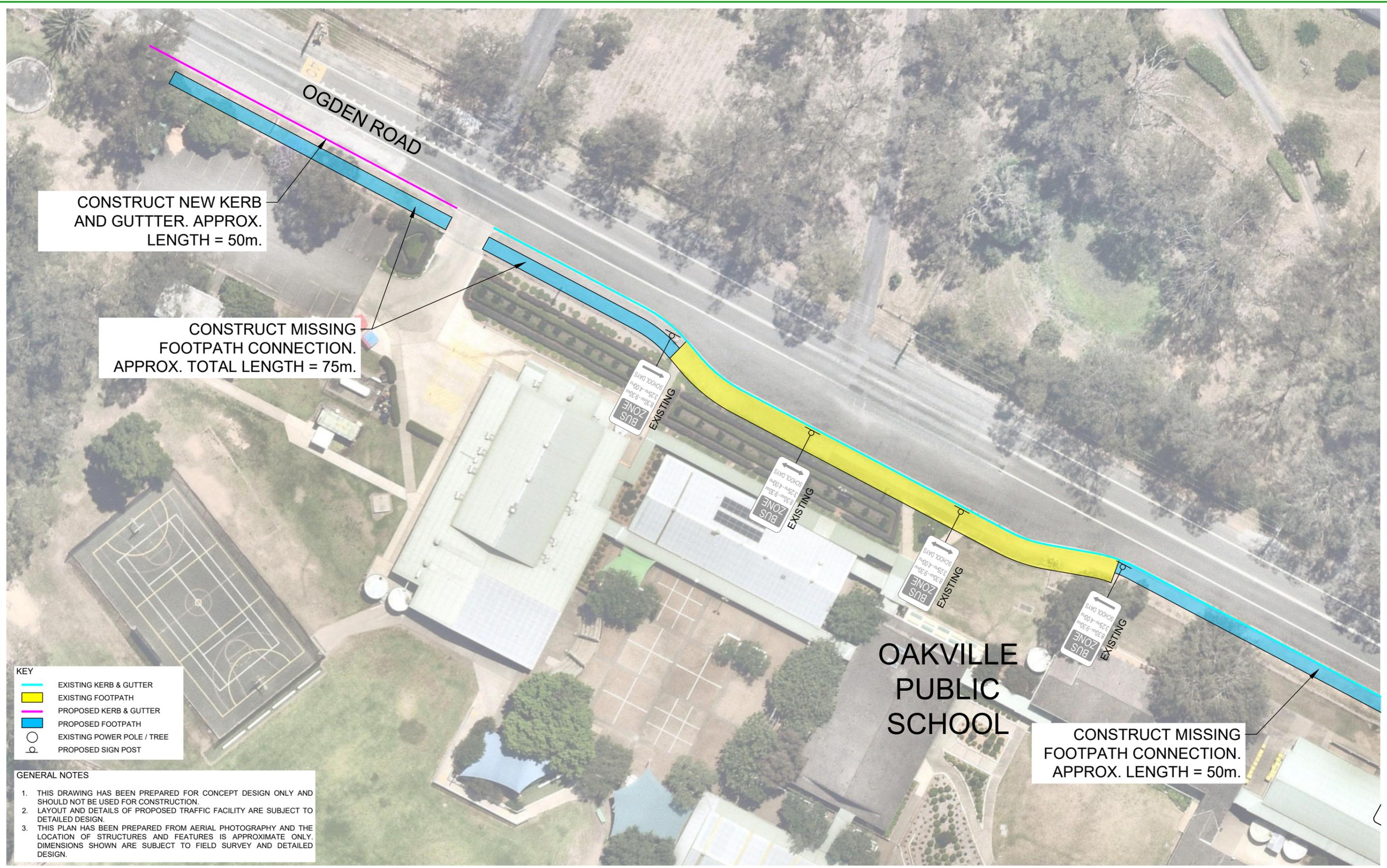
Attachment 8 to Item 4.1.2.

School Safety Treatments Fronting Oakville Public School Concept Plans, Proposed Treatment Plans and Median Island Stop Treatment Plans

Date of meeting: 9 February 2026

Location: Remote Location

Time: 3:00 PM



CONSTRUCT NEW KERB AND GUTTER. APPROX. LENGTH = 50m.

CONSTRUCT MISSING FOOTPATH CONNECTION. APPROX. TOTAL LENGTH = 75m.

CONSTRUCT MISSING FOOTPATH CONNECTION. APPROX. LENGTH = 50m.

OAKVILLE PUBLIC SCHOOL

KEY

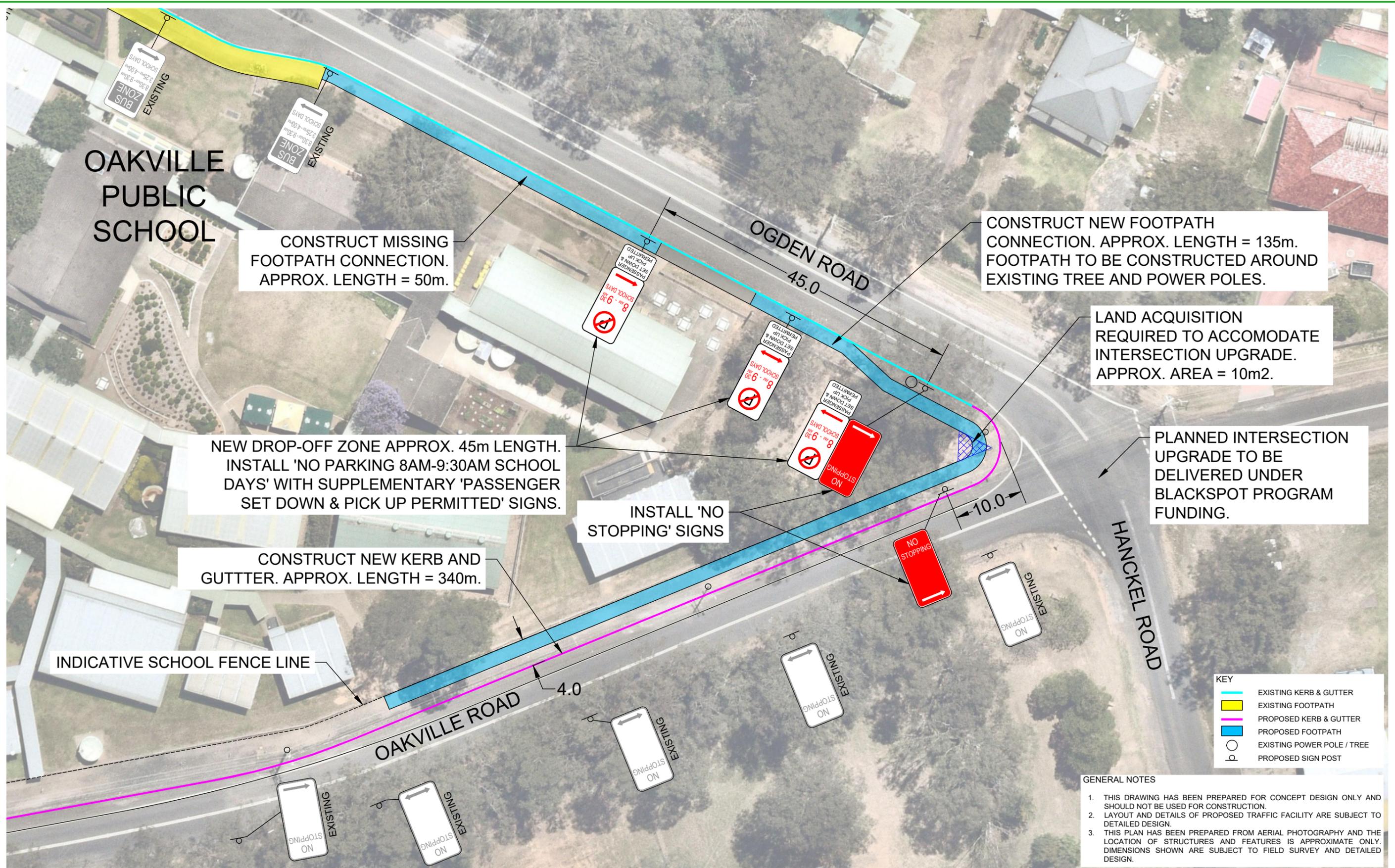
	EXISTING KERB & GUTTER
	EXISTING FOOTPATH
	PROPOSED KERB & GUTTER
	PROPOSED FOOTPATH
	EXISTING POWER POLE / TREE
	PROPOSED SIGN POST

- GENERAL NOTES**
1. THIS DRAWING HAS BEEN PREPARED FOR CONCEPT DESIGN ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION.
 2. LAYOUT AND DETAILS OF PROPOSED TRAFFIC FACILITY ARE SUBJECT TO DETAILED DESIGN.
 3. THIS PLAN HAS BEEN PREPARED FROM AERIAL PHOTOGRAPHY AND THE LOCATION OF STRUCTURES AND FEATURES IS APPROXIMATE ONLY. DIMENSIONS SHOWN ARE SUBJECT TO FIELD SURVEY AND DETAILED DESIGN.

C	AMENDED AS PER COUNCIL'S COMMENTS	JUNE 2025	IM
B	AMENDED AS PER COUNCIL'S COMMENTS	JUNE 2025	IM
A	FOR CONCEPT APPROVAL	JUNE 2025	IM
ISSUE	DETAILS	DATE	App.



Height Datum	NO DATUM	Drawn L.M.	Date	18 JUNE 2025	Client	HAWKESBURY CITY COUNCIL		Job Number	-
Plan Azimuth	APPROXIMATE M.G.A.	Surveyed	Date		Title	OAKVILLE PUBLIC SCHOOL STAGE 1 PROPOSED TREATMENTS CONCEPT PLAN		Scale	1:500
Services		Designed L.M.	Date	18 JUNE 2025	Signed			Sheet	1 OF 3
		Approved L.M.	Date	18 JUNE 2025				Drawing Number	
								ISSUE	C



OAKVILLE PUBLIC SCHOOL

CONSTRUCT MISSING FOOTPATH CONNECTION. APPROX. LENGTH = 50m.

NEW DROP-OFF ZONE APPROX. 45m LENGTH. INSTALL 'NO PARKING 8AM-9:30AM SCHOOL DAYS' WITH SUPPLEMENTARY 'PASSENGER SET DOWN & PICK UP PERMITTED' SIGNS.

CONSTRUCT NEW KERB AND GUTTER. APPROX. LENGTH = 340m.

INDICATIVE SCHOOL FENCE LINE

INSTALL 'NO STOPPING' SIGNS

CONSTRUCT NEW FOOTPATH CONNECTION. APPROX. LENGTH = 135m. FOOTPATH TO BE CONSTRUCTED AROUND EXISTING TREE AND POWER POLES.

LAND ACQUISITION REQUIRED TO ACCOMMODATE INTERSECTION UPGRADE. APPROX. AREA = 10m².

PLANNED INTERSECTION UPGRADE TO BE DELIVERED UNDER BLACKSPOT PROGRAM FUNDING.

KEY

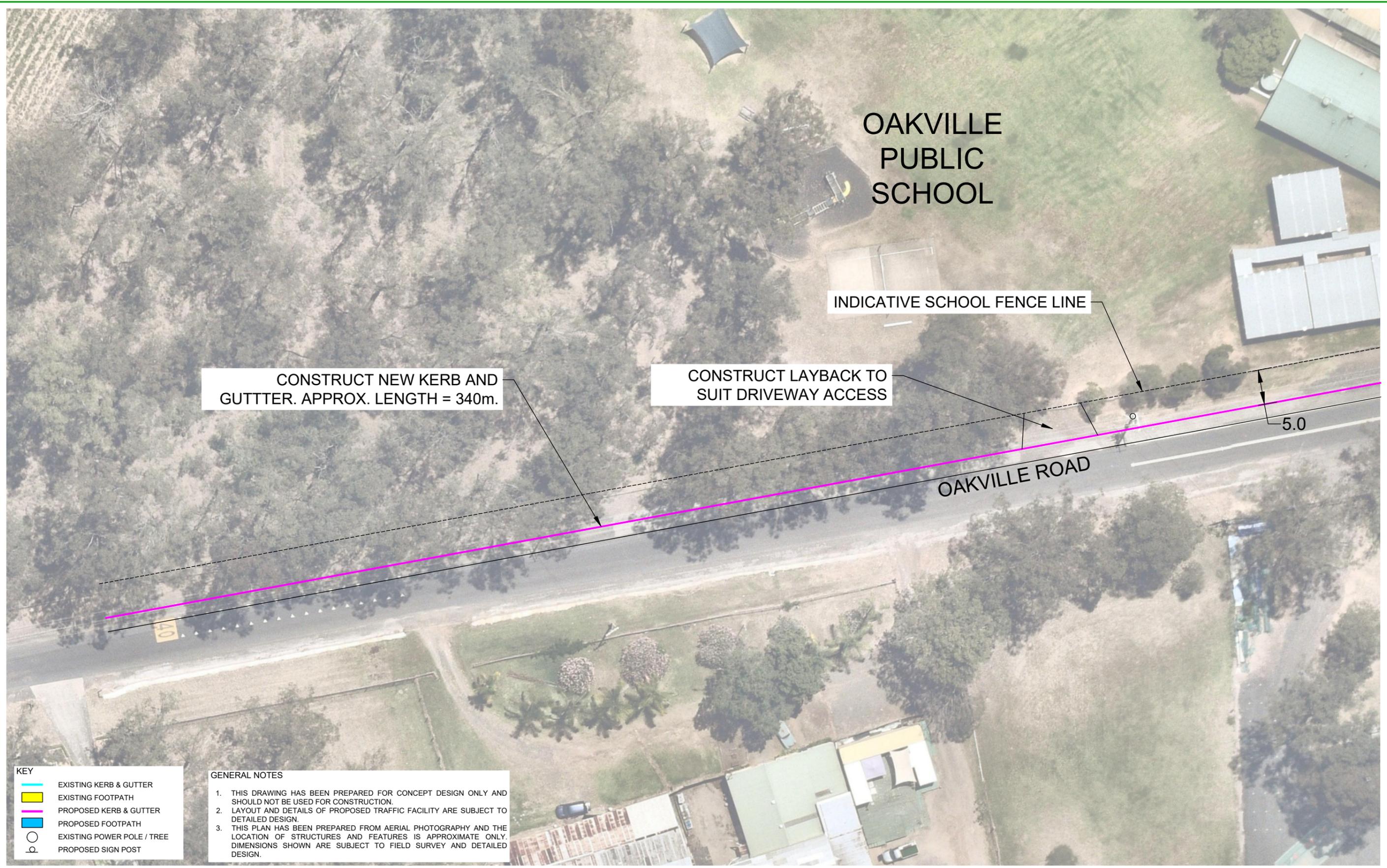
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Services		Designed L.M.	Date	18 JUNE 2025			Sheet	2 OF 3
		Approved L.M.	Date	18 JUNE 2025	Signed		ISSUE	C



OAKVILLE PUBLIC SCHOOL

INDICATIVE SCHOOL FENCE LINE

CONSTRUCT NEW KERB AND GUTTER. APPROX. LENGTH = 340m.

CONSTRUCT LAYBACK TO SUIT DRIVEWAY ACCESS

OAKVILLE ROAD

5.0

40

KEY

	EXISTING KERB & GUTTER
	EXISTING FOOTPATH
	PROPOSED KERB & GUTTER
	PROPOSED FOOTPATH
	EXISTING POWER POLE / TREE
	PROPOSED SIGN POST

GENERAL NOTES

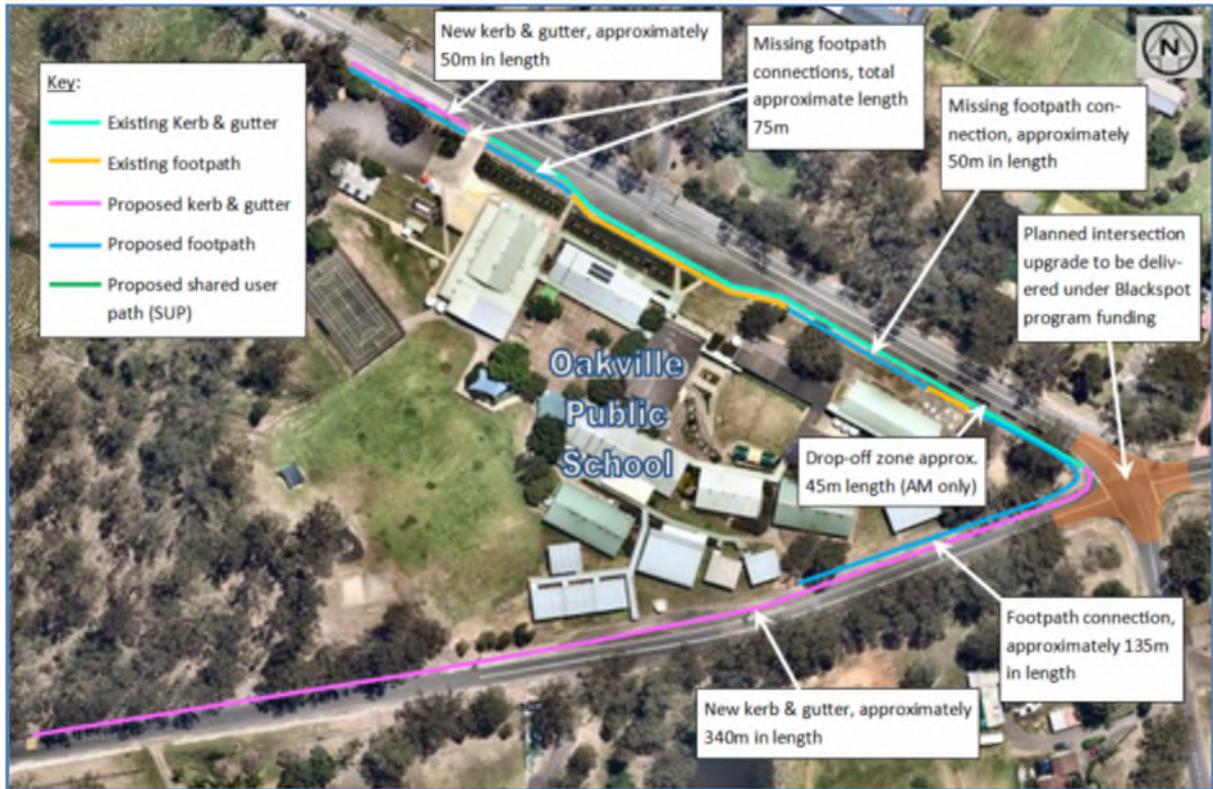
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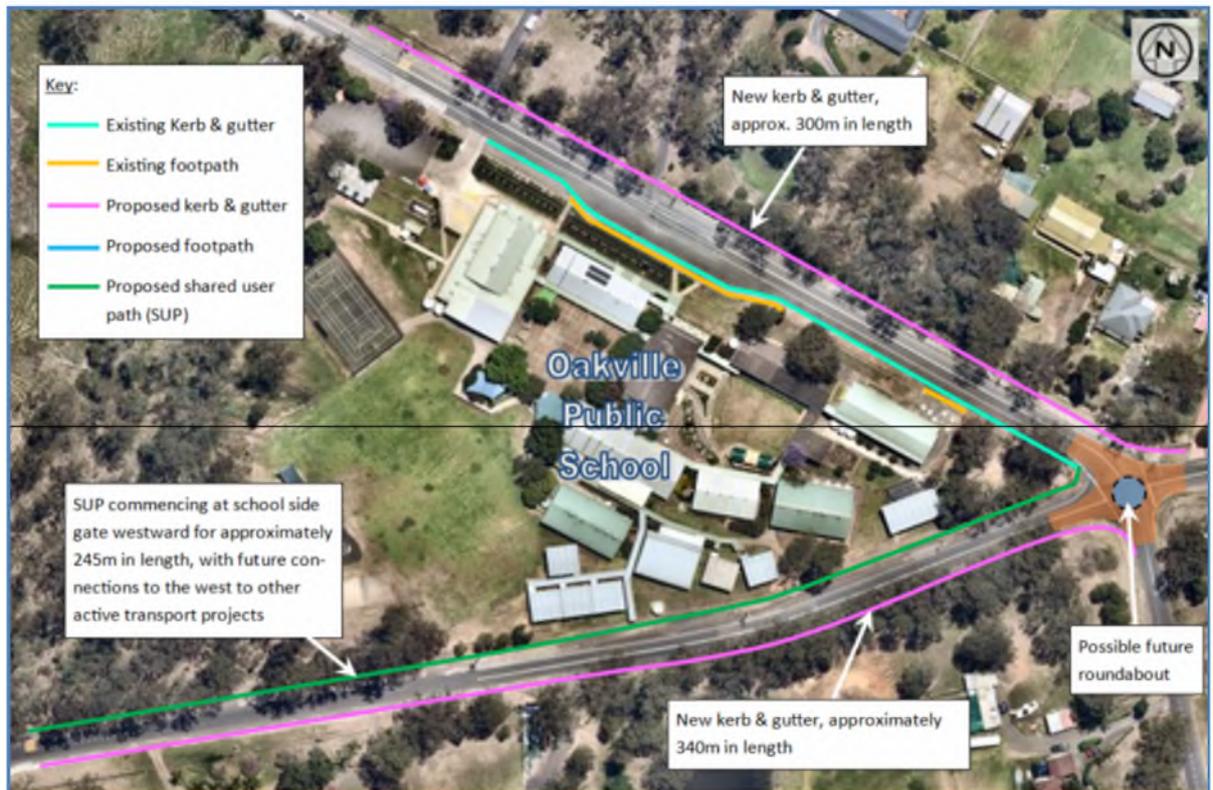


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		Approved I.M.	Date	18 JUNE 2025
		Signed		

Client	HAWKESBURY CITY COUNCIL		Job Number	-
Title	OAKVILLE PUBLIC SCHOOL STAGE 1 PROPOSED TREATMENTS CONCEPT PLAN		Scale	1:500
			Sheet	3 OF 3
			ISSUE	C

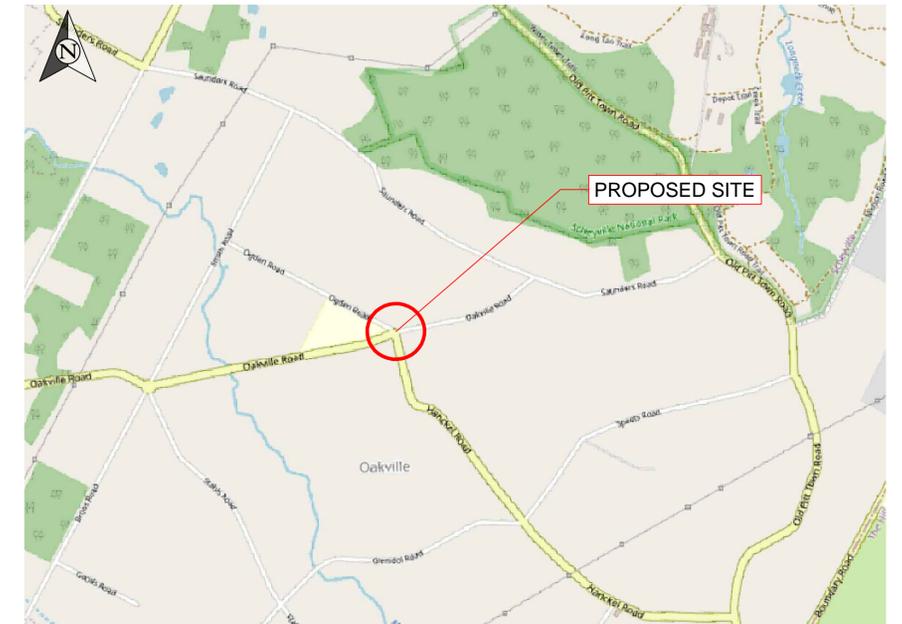
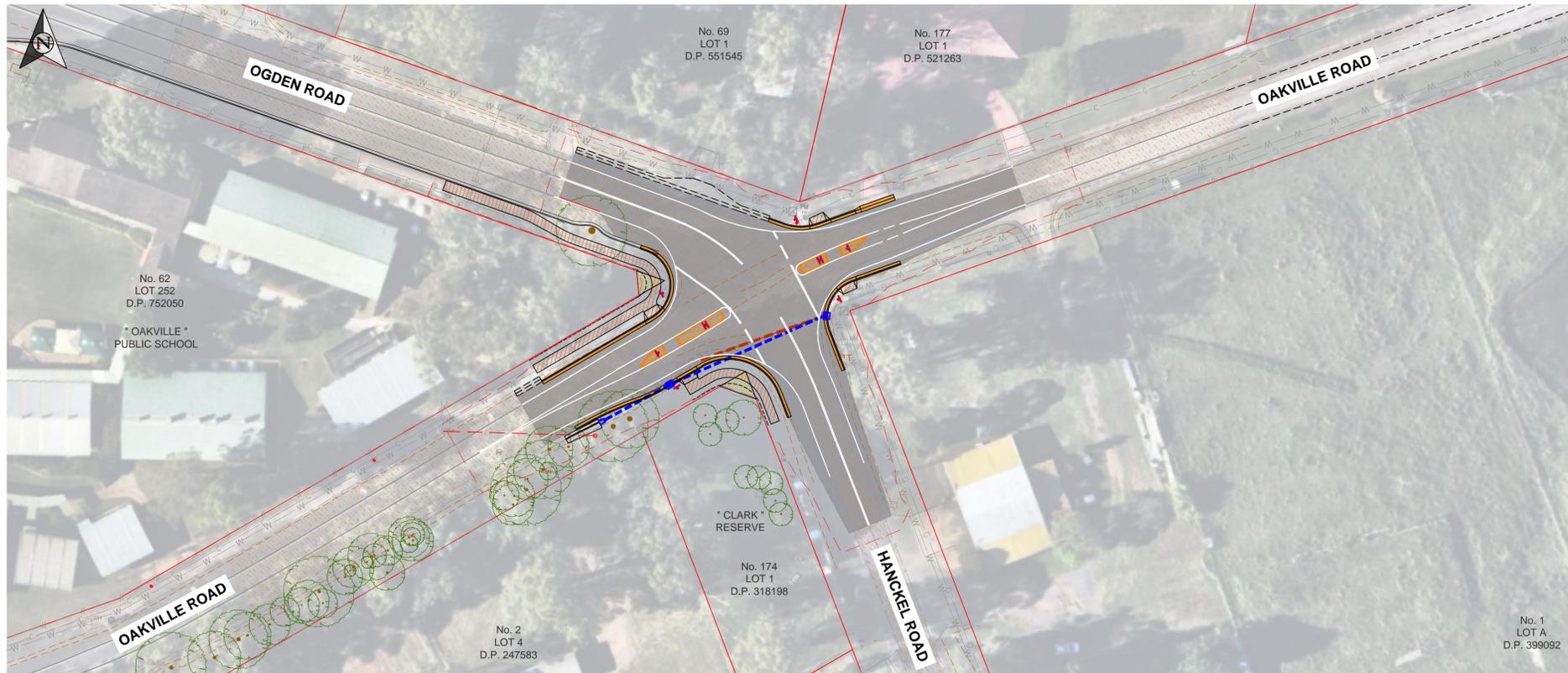


Proposed Works – School Frontage – Ogden and Oakville Roads, Oakville



Proposed Works – Opposite to School Frontage Ogden / Oakville Roads and Shared User Path Oakville Road

HAWKESBURY CITY COUNCIL ROAD REHABILITATION DESIGN PLANS HANCKEL AND OAKVILLE ROAD INTERSECTION - OAKVILLE



LOCATION MAP

GENERAL NOTES

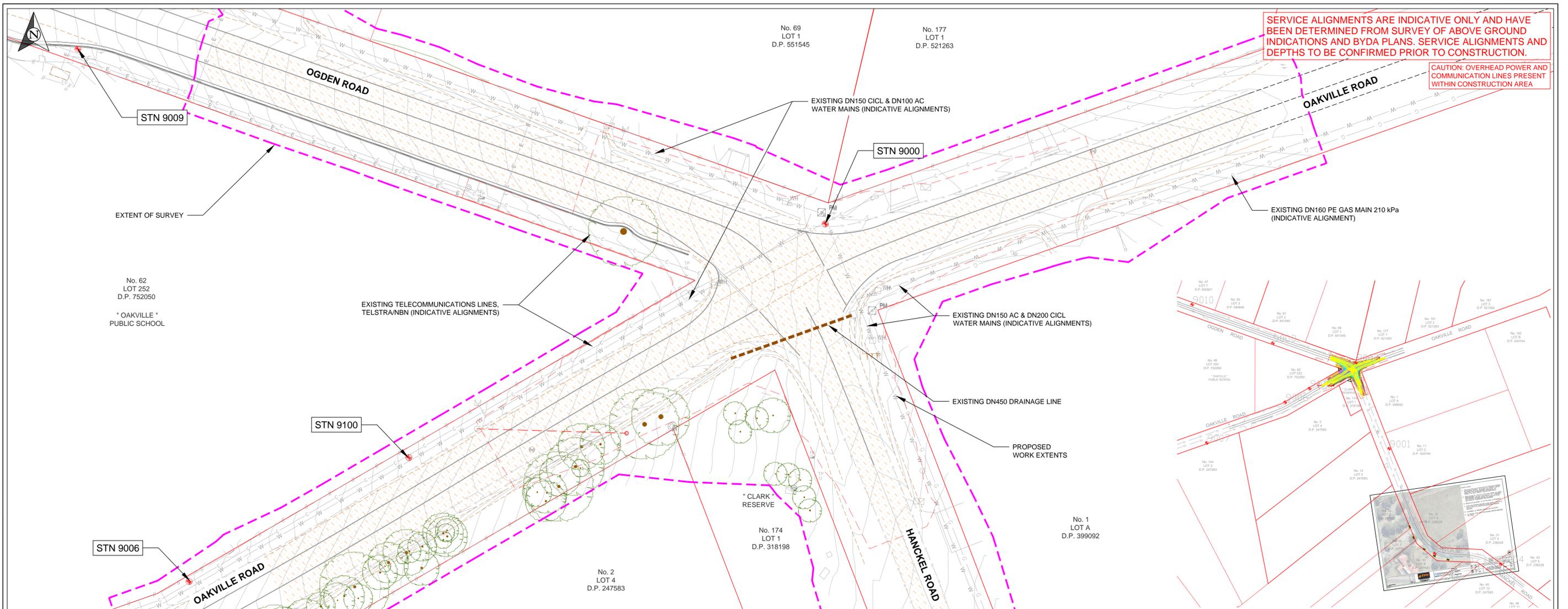
- ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH HAWKESBURY CITY COUNCIL'S DCP, APPENDIX 'E' CIVIL WORKS SPECIFICATION, PART 2 CONSTRUCTION.
- THE CONTRACTOR IS TO IDENTIFY, LOCATE AND LEVEL ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION WORKS AND MAKE ARRANGEMENTS WITH THE RELEVANT AUTHORITY TO RELOCATE OR ADJUST WHERE NECESSARY. INFORMATION PROVIDED ON THE PLANS ARE BASED ON UTILITY SEARCH DIAL BEFORE YOU DIG INFORMATION.
- RESTORATION OF ROAD PAVEMENT ASSOCIATED WITH THIS PROJECT SHALL BE UNDERTAKE IN ACCORDANCE WITH COUNCIL'S D.C.P AND THE DIRECTION OF THE SUPERINTENDENT.
- THE CONTRACTOR IS NOT TO ENTER UPON NOR DO ANY WORK WITHIN ADJACENT LANDS WITHOUT THE PRIOR APPROVAL OF THE SUPERINTENDENT AND THE WRITTEN PERMISSION OF THE OWNERS.
- ANY WORKS ON PRIVATE PROPERTY WILL REQUIRE REINSTATEMENT AND RESTORATION TO THE SATISFACTION OF THE PROPERTY OWNER AND SUPERINTENDENT.
- THE DISPOSEAL OF SURPLUS MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL DISPOSEAL SITES SHALL BE APPROVED BY THE SUPERINTENDENT.
- WHERE SURVEY MARKS HAVE BEEN PLACED DEFINING THE LOCATION OF ALL STRUCTURES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RECOVER THESE MARKS PRIOR TO CONSTRUCTION COMMENCEMENT.
- CONTRACTOR TO COMPLY WITH CURRENT COUNCIL SOIL AND WATER MANAGEMENT GUIDELINES AND REQUIREMENTS.
- STANDARD EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO COMMENCEMENT OF WORKS TO MINIMISE SEDIMENT AND SILT TRANSPORTATION INTO EXISTING WATERWAY.
- MAKE SMOOTH JUNCTIONS WITH EXISTING WORKS.
- ANY EXCAVATIONS WORK CARRIED OUT, TO BE INSPECTED BY COUNCIL PRIOR TO BACKFILLING.
- DIMENSIONS SHALL NOT BE SCALED FROM THE PLANS. CLARIFICATION OF DIMENSIONS SHALL BE SOUGHT FROM THE SUPERINTENDENT OR REFERRED TO THE DESIGNER.
- ALL WORK SHALL BE UNDERTAKEN IN ACCORDANCE WITH ACCEPTABLE SAFETY STANDARDS AND APPROPRIATE SAFETY SIGNAGE SHALL BE MAINTAINED AT ALL TIMES DURING THE PROGRESS OF THE WORKS.
- COUNCIL IS TO BE NOTIFIED PRIOR TO THE COMMENCEMENT OF ANY WORKS ON SITE. CONTACT PROJECT MANAGER PH. (02) 4560 4444.
- DRAINAGE PIPES UNDER ROADS TO BE BACKFILLED WITH SHARP SAND AND HAVE A SUBSOIL DRAIN WRAPPED IN APPROVED FILTER SOCK, DISCHARGING INTO DOWNSTREAM END.
- CADASTRAL BOUNDARIES SHOWN ARE APPROXIMATE AND INDICATIVE ONLY.
- CONTRACTOR IS RESPONSIBLE FOR THE PRESERVATION OF ALL SURVEY MARKS INCLUDING THE PRESERVATION OF STATE CONTROL SURVEY IN ACCORDANCE WITH THE SURVEYING ACT, AS AMENDED. COMPLY WITH SURVEYOR GENERAL'S DIRECTION NO. 11, "PRESERVATION OF THE SURVEY INFRASTRUCTURE", IN THE TREATMENT OF PERMANENT MARKS AND CADASTRAL SURVEY MARKS THAT MAY BE AFFECTED BY THE WORKS.

DRAWING INDEX

DRAWING NO.	DRAWING DETAILS
25007D01	COVERSHEET
25007D02	EXISTING SURVEY CONTROL AND OVERALL SITE
25007D03	PROPOSED WORKS OVERVIEW
25007D04	OAKVILLE ROAD RECONSTRUCTION - PLAN VIEW & LONG SECTION CH 20 - 150
25007D05	OGDEN - HANCKEL ROAD RECONSTRUCTION - PLAN VIEW & LONG SECTION CH 0 - 120
25007D06	CROSS SECTIONS - OAKVILLE ROAD CH 35 - 120
25007D07	CROSS SECTIONS - OGDEN - HANCKEL ROAD CH 25 - 104.5
25007D08	PAVEMENT DESIGN AND EARTHWORK PLAN
25007D09	PROPOSED LINEMARKING PLAN
25007D10	PROPOSED DRAINAGE PLAN AND STORMWATER LINE LONG SECTION
25007D11	PROPOSED ISLANDS PLAN, TYPICAL SECTION AND SERVICE ADJUSTMENTS
25007D12	TYPICAL DETAILS AND EROSION AND SEDIMENT CONTROL NOTES
25007D13	IMPACTS ON PRIVATE PROPERTY
25007D14	VEHICLE TURNING PATHS PLAN



-	--/----	----	-	SCALE AT A1 (mm)	10	20	30	40	50	ISSUE:	ISSUE FOR CONSTRUCTION		DATUM : ASSUMED	ROAD REHABILITATION DESIGN PLANS		SHEET DESCRIPTION			
-	--/----	----	-							SURVEYED	T. VINCENT	04/2025	ORIGIN :	HANCKEL AND OAKVILLE ROAD INTERSECTION		COVERSHEET			
C	09/2025	DRAINAGE MODIFICATION AND STREET LIGHT WORKS	AC	<p>366 George Street Windsor NSW 2756 (PO Box 146) Phone: (02) 4560 4444 Facsimile: (02) 4560 4400 DX: 8801 Windsor</p>						DESIGNED	A. CROGHAN	08/2025	SCALE : AS SHOWN	OAKVILLE		FILE No.	SHEET No. 1	PLAN No.	REVISION
B	08/2025	ISSUE FOR CONSTRUCTION	AC							DRAWN	A. CROGHAN	08/2025		HAWKESBURY CITY COUNCIL		2025007	OF 14 SHEETS	25007D01	C
A	08/2025	PRELIMINARY ISSUE	AC							CHECKED	A. SUMANARATNE	08/2025		PM00-0000					
REV.	DATE	AMENDMENT	BY							APPROVED	M. FALANIKO	08/2025		DIRECTORY: G:\Design\01_Current Projects\Black Spot Projects\Hanckel Road_2425\Design\01_Drawing		PRINT DATE: 16/12/2025 2:19 PM			



EXISTING SURVEY CONTROL AND OVERALL SITE PLAN
NOT TO SCALE

PLAN NOTES:

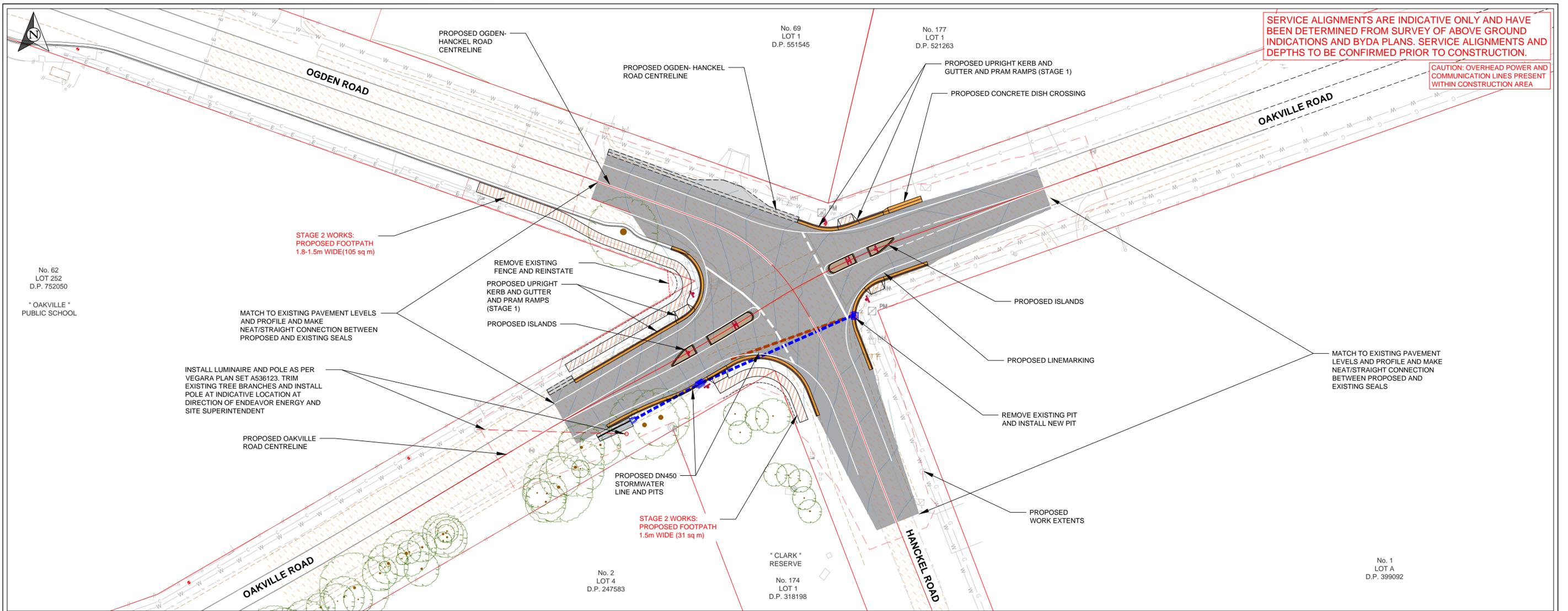
1. THIS PLAN ONLY SHOWS THE EXISTING SITE LAYOUT DETAIL INCLUDING UTILITIES SERVICES AND GROUND CONTOURS. THE SURVEY WAS COMPLETED IN APRIL 2025 BY COUNCIL STAFF. IT SHOULD BE NOTED THAT THE POSITION OF SERVICES SHOWN IS DERIVED FROM BYDA SERVICE DIAGRAMS AND ABOVE GROUND INDICATIONS. NO UNDERGROUND SERVICE LOCATING WAS COMPLETED FOR THE DESIGN.
2. UTILITY SERVICES INFORMATION SHOWN ON THE EXISTING SITE DETAIL PLAN DOES NOT DEPICT ANY MORE THAN THE PRESENCE OF A SERVICE, BASED ON AVAILABLE DOCUMENTARY EVIDENCE. THE PRESENCE OF UTILITY SERVICE, ITS SIZE AND LOCATION SHOULD RECONFIRMED BY FIELD INVESTIGATION PRIOR TO COMMENCEMENT OF PROPOSED WORK AND THE RELEVANT UTILITY PLANS OBTAINED BY DIALING 'DIAL BEFORE YOU DIG (PHONE 1100)'. (DIAL BEFORE DIG DATA SHOWN ON THE PLANS TAKEN IN 04/2025)
3. CONTRACTOR IS RESPONSIBLE FOR THE PRESERVATION OF ALL SURVEY MARKS INCLUDING THE PRESERVATION OF STATE CONTROL SURVEY IN ACCORDANCE WITH THE SURVEYING ACT, AS AMENDED. COMPLY WITH SURVEYOR GENERAL'S DIRECTION NO. 11, "PRESERVATION OF THE SURVEY INFRASTRUCTURE", IN THE TREATMENT OF PERMANENT MARKS AND CADASTRAL SURVEY MARKS THAT MAY BE AFFECTED BY THE WORKS.
4. SURVEY USING ASSUMED CO-ORDINATE SYSTEM, SEE SURVEY CONTROL POINTS TABLE AND PLAN ON THIS SHEET FOR LOCATIONS AND COORDINATES.

SURVEY CONTROL POINTS			
STN ID	EASTING	NORTHING	HEIGHT (m)
9000	1002.402	4998.309	32.633
9001	1053.635	4865.717	37.375
9003	1124.020	4704.106	43.026
9004	1225.702	4687.906	45.538
9006	893.434	4937.108	25.993
9007	772.576	4874.621	22.036
9008	618.456	4838.074	18.435
9009	874.391	5028.222	25.591
9010	750.107	5087.589	20.336
9100	931.076	4958.330	28.145

EXISTING CONTOURS INCREMENT 0.25m

EXISTING FEATURE KEY	
	EXISTING ROAD CROWN
	EXISTING CHANGE OF GRADE
	EXISTING ROAD SHOULDER
	PROPERTY BOUNDARY LINE
	EXISTING LINEMARKING
	EXISTING KERB
	EXISTING DRAINAGE LINE
	EXISTING ELECTRICAL (BYDA)
	EXISTING WATER MAIN (BYDA)
	EXISTING TELECOMMUNICATIONS (BYDA)
	EXISTING FENCE
	EXISTING WATER METER/HYDRANT
	EXISTING SURVEY MARK
	EXISTING TELECOMMUNICATIONS PILLAR/PIT
	EXISTING LIGHT/POWER POLE
	EXISTING UTILITY PITS
	EXISTING SIGNAGE
	EXISTING TREE
	EXISTING ASPHALT/BITUMEN ROAD PAVEMENT
	EXISTING SURVEY MARK/CONTROL
	EXISTING BOREHOLE LOCATION (GEOTECH)

-	--/----	----	-	SCALE AT A1 (mm)	10	20	30	40	50	ISSUE:	ISSUE FOR CONSTRUCTION		DATUM : ASSUMED	ROAD REHABILITATION DESIGN PLANS		SHEET DESCRIPTION	
-	--/----	----	-	 366 George Street Windsor NSW 2756 (PO Box 146) Phone: (02) 4560 4444 Facsimile: (02) 4560 4400 DX: 8801 Windsor					SURVEYED	T. VINCENT	04/2025	ORIGIN :	HANCKEL AND OAKVILLE ROAD INTERSECTION		EXISTING SURVEY CONTROL AND OVERALL SITE FILE No. 2025007 SHEET No. 2 OF 14 SHEETS PLAN No. 25007D02 REVISION C		
C	09/2025	DRAINAGE MODIFICATION AND STREET LIGHT WORKS	AC						DRAWN	A. CROGHAN	08/2025	SCALE : AS SHOWN	OAKVILLE				
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SERVICE ALIGNMENTS ARE INDICATIVE ONLY AND HAVE BEEN DETERMINED FROM SURVEY OF ABOVE GROUND INDICATIONS AND BYDA PLANS. SERVICE ALIGNMENTS AND DEPTHS TO BE CONFIRMED PRIOR TO CONSTRUCTION.

CAUTION: OVERHEAD POWER AND COMMUNICATION LINES PRESENT WITHIN CONSTRUCTION AREA

PROPOSED WORKS OVERVIEW
NOT TO SCALE

PLAN NOTES:

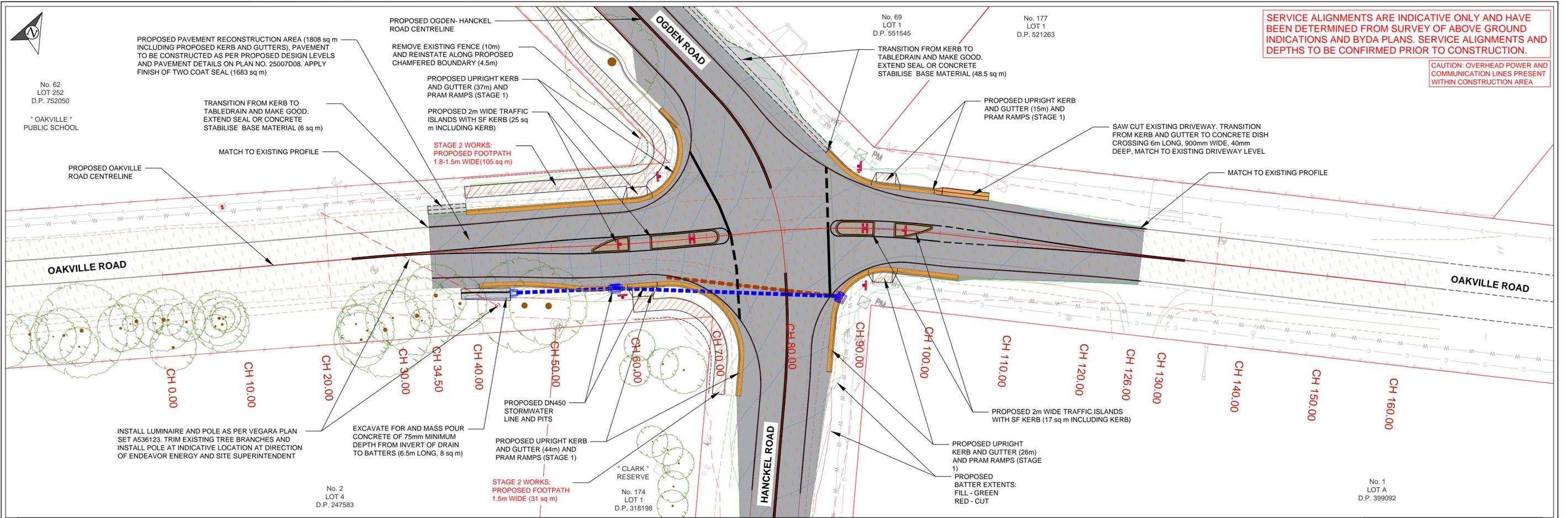
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4. THE EXTENTS OF PROPOSED WORK FROM THE ROAD SHOULDERS SHALL BE DETERMINED EITHER WITH DESIGN CROSS SECTION OR AS AGREED WITH SITE SUPERINTENDENT.
5. ENSURE SMOOTH TRANSITION FROM NEW DESIGN LEVELS TO EXISTING ROAD SURFACE START AND FINISH OF WORKS.
6. PROPOSED IMPACTS ON ENVIRONMENT AND PROPOSED TREE REMOVALS TO BE ASSESSED AND APPROVED BY COUNCIL PRIOR TO CONSTRUCTION.
7. DESIGN FILES AND SETOUT DETAILS TO BE PROVIDED ON REQUEST FROM COUNCILS DESIGN SECTION.
8. APPROVAL FROM PROPERTY OWNERS TO BE GIVEN PRIOR TO CONSTRUCTION WORKS BEING UNDERTAKEN WITHIN PRIVATE PROPERTY BOUNDARIES.

PROPOSED WORK FEATURE KEY	
	PROPOSED ROAD CENTERLINE
	PROPOSED ROAD PAVEMENT SEALED
	PROPOSED ROAD PAVEMENT UNSEALED
	PROPOSED FOOTPATH/ISLAND INFILL
	PROPOSED KERB
	PROPOSED TABLE DRAINS
	PROPOSED CONSTRUCTION EXTENTS
	PROPOSED STORMWATER PIPE ALIGNMENT
	PROPOSED STORMWATER PIT/HEADWALL
	PROPOSED SIGNAGE

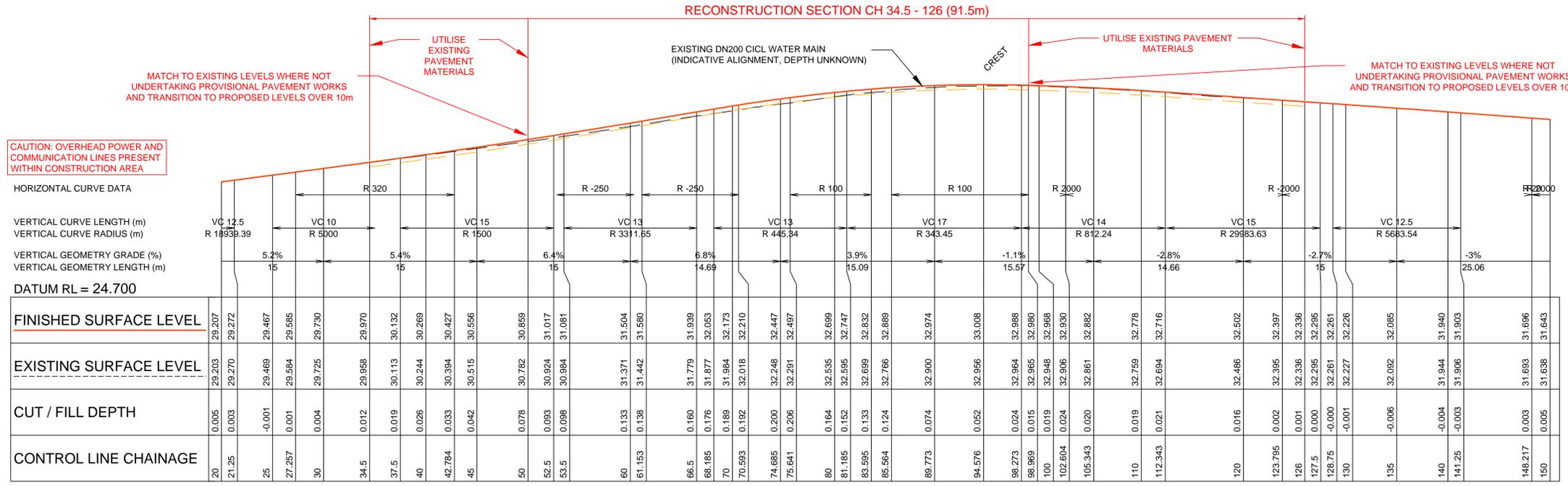
CONTOUR INCREMENT 0.25m

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											SHEET DESCRIPTION				PROPOSED WORKS OVERVIEW			
											FILE No.	SHEET No. 3	PLAN No.	REVISION				
											2025007	OF 14 SHEETS	25007D03	C				
											PRINT DATE: 16/12/2025 2:20 PM							



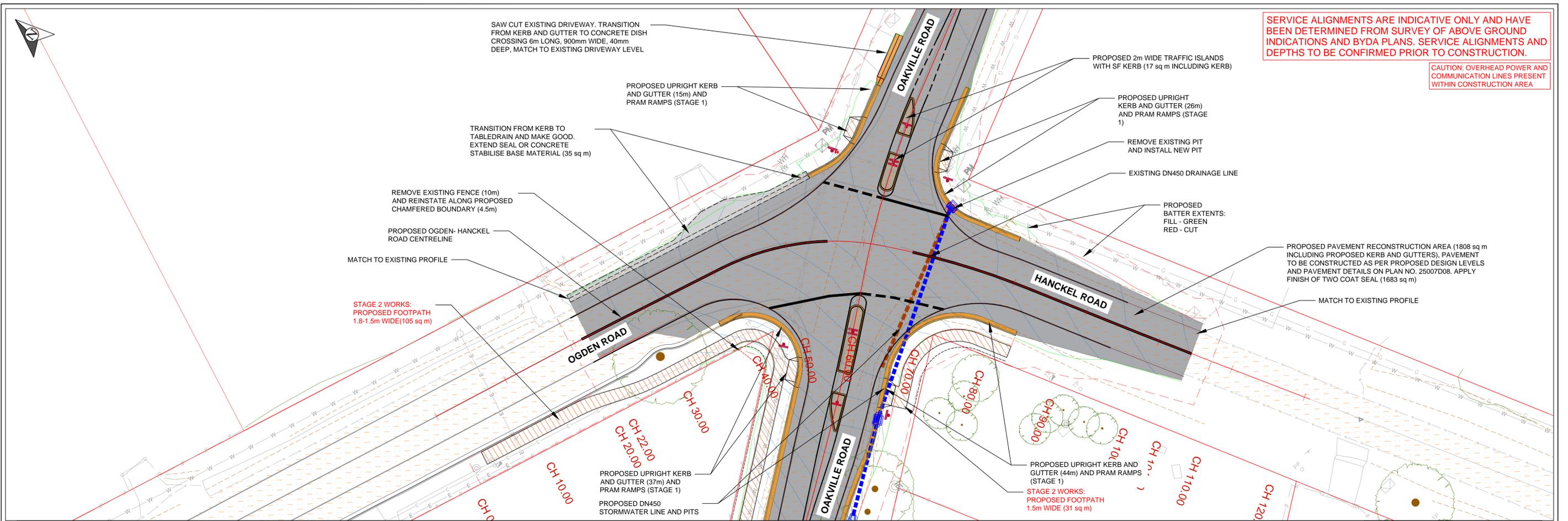
OAKVILLE ROAD RECONSTRUCTION - PLAN VIEW
SCALE 1:250



LONGITUDINAL SECTION - OAKVILLE ROAD CH 20 - 150

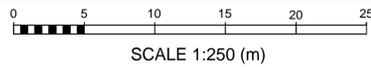
A1 SCALE: H 1:250, V 1:100

-	--/----	----	-	SCALE AT A1 (mm)	10	20	30	40	50	ISSUE:	ISSUE FOR CONSTRUCTION			DATUM : ASSUMED	ROAD REHABILITATION DESIGN PLANS				SHEET DESCRIPTION			
-	--/----	----	-							SURVEYED	T. VINCENT	04/2025	ORIGIN :	HANCKEL AND OAKVILLE ROAD INTERSECTION				OAKVILLE ROAD RECONSTRUCTION - PLAN VIEW & LONG SECTION CH 20 - 150				
C	09/2025	DRAINAGE MODIFICATION AND STREET LIGHT WORKS	AC	<p>Hawkesbury City Council 366 George Street Windsor NSW 2756 (PO Box 146) Phone: (02) 4560 4444 Facsimile: (02) 4560 4400 DX: 8801 Windsor</p>						DESIGNED	A. CROGHAN	08/2025	SCALE : AS SHOWN	OAKVILLE				FILE No.	SHEET No. 4	PLAN No.	REVISION	
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A	08/2025	PRELIMINARY ISSUE	AC							CHECKED	A. SUMANARATNE	08/2025	PM00-00000				PRINT DATE: 16/12/2025 2:20 PM					
REV.	DATE	AMENDMENT	BY							APPROVED	M. FALANKO	08/2025	DIRECTORY: G:\Design\01_Current Projects\Black Spot Projects\Hanckel Road_2425\Design\01_Drawing									

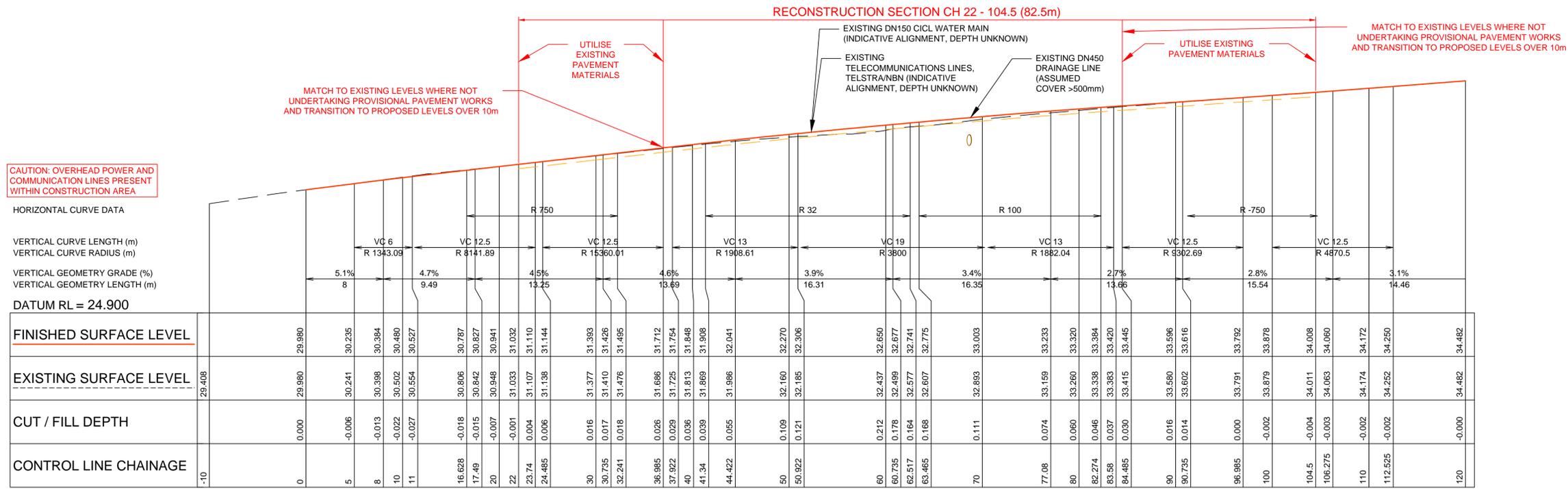


SERVICE ALIGNMENTS ARE INDICATIVE ONLY AND HAVE BEEN DETERMINED FROM SURVEY OF ABOVE GROUND INDICATIONS AND BYDA PLANS. SERVICE ALIGNMENTS AND DEPTHS TO BE CONFIRMED PRIOR TO CONSTRUCTION.

CAUTION: OVERHEAD POWER AND COMMUNICATION LINES PRESENT WITHIN CONSTRUCTION AREA



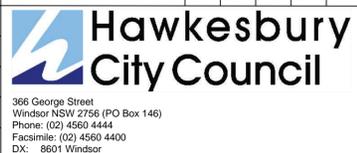
OGDEN - HANCKEL ROAD RECONSTRUCTION - PLAN VIEW
SCALE 1:250



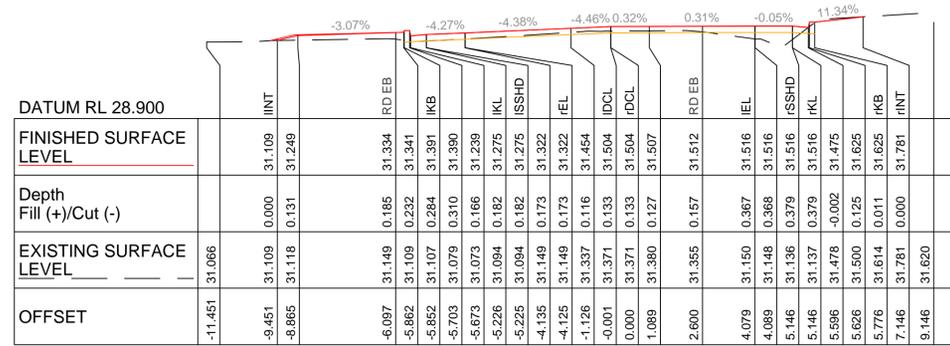
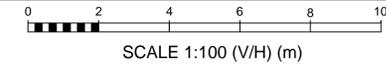
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LONGITUDINAL SECTION - OGDEN - HANCKEL ROAD CH 0 - 120

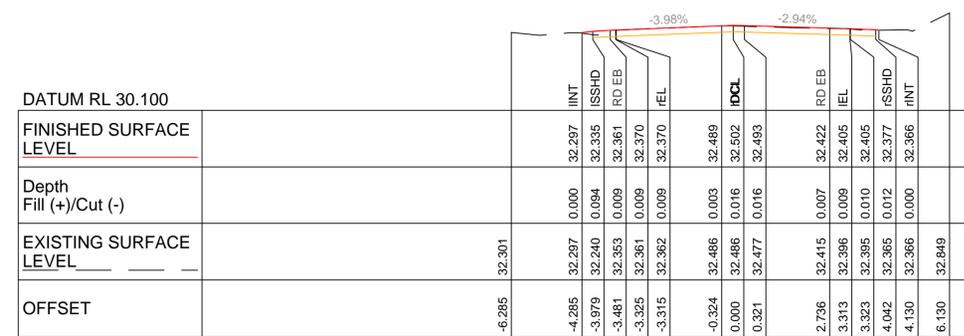
-	--/----	----	-	SCALE AT A1 (mm)	10	20	30	40	50	ISSUE:	ISSUE FOR CONSTRUCTION		DATUM : ASSUMED	ROAD REHABILITATION DESIGN PLANS			SHEET DESCRIPTION			
-	--/----	----	-							SURVEYED	T. VINCENT	04/2025	ORIGIN :	HANCKEL AND OAKVILLE ROAD INTERSECTION			OGDEN - HANCKEL ROAD RECONSTRUCTION - PLAN VIEW & LONG SECTION CH 0 - 120			
C	09/2025	DRAINAGE MODIFICATION AND STREET LIGHT WORKS	AC							DESIGNED	A. CROGHAN	08/2025	SCALE : AS SHOWN	OAKVILLE			FILE No.	SHEET No. 5	PLAN No.	REVISION
B	08/2025	ISSUE FOR CONSTRUCTION	AC							DRAWN	A. CROGHAN	08/2025		HAWKESBURY CITY COUNCIL			2025007	OF 14 SHEETS	25007D05	C
A	08/2025	PRELIMINARY ISSUE	AC							CHECKED	A. SUMANARATNE	08/2025		PM00-00000						
REV.	DATE	AMENDMENT	BY							APPROVED	M. FALANIKO	08/2025		DIRECTORY: G:\Design\01_Current Projects\Black Spot Projects\Hanckel Road_2425\Design\01_Drawing			PRINT DATE: 16/12/2025 2:20 PM			



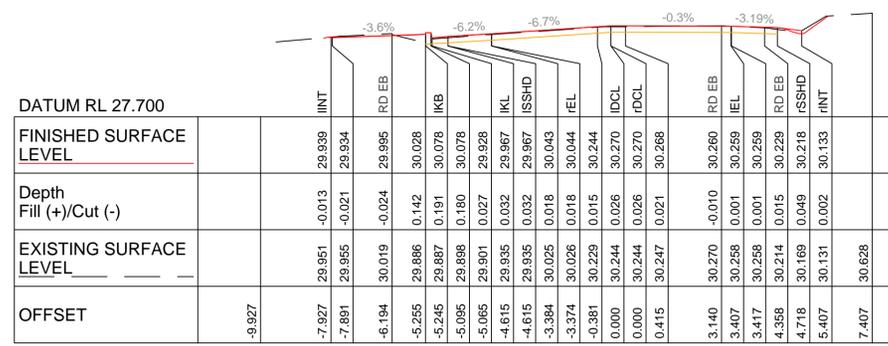
LEGEND: (PROPOSED CROSS SECTION LABELS PREFIXED WITH I/ to INDICATE DIRECTION)			
DCL	= PROPOSED ROAD CENTRELINE	RD RC	= EXISTING ROAD CENTERLINE
EL	= PROPOSED EDGE LINE/FLEXURE POINT	RD EB	= EXISTING EDGE OF BITUMEN
SSHD	= PROPOSED EDGE OF SEALED SHOULDER	RD ES	= EXISTING EDGE OF SHOULDER
USHD	= PROPOSED EDGE OF UNSEALED SHOULDER	RD EG	= EXISTING EDGE OF FORMATION
INT	= INTERFACE	RD EG	= EXISTING EDGE OF FORMATION
		INT	= INDICATIVE BOXING 150mm DEEP



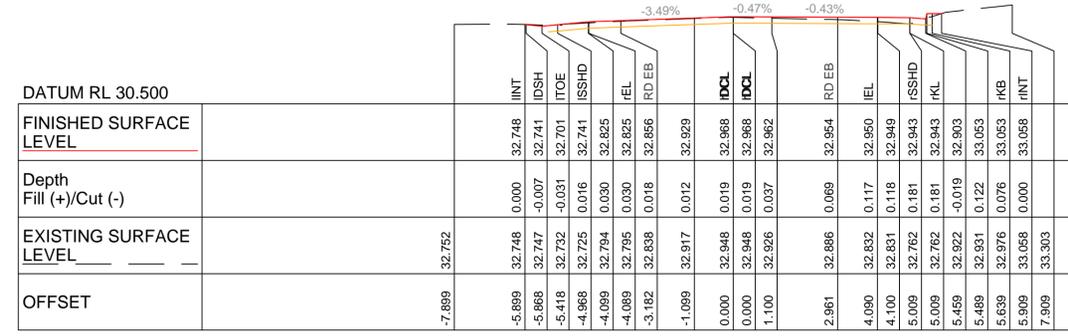
CH 60.00



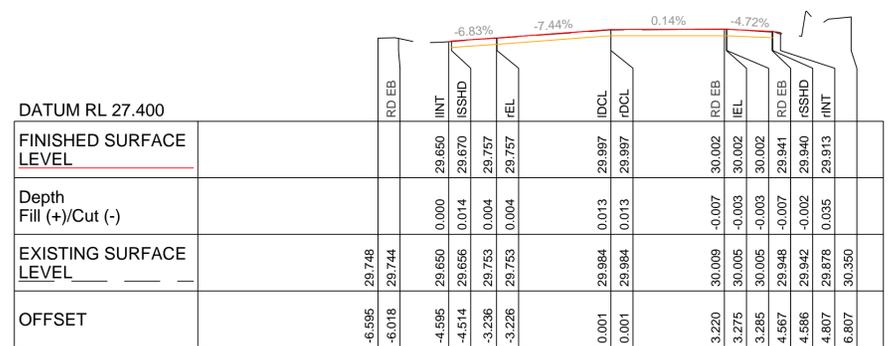
CH 120.00



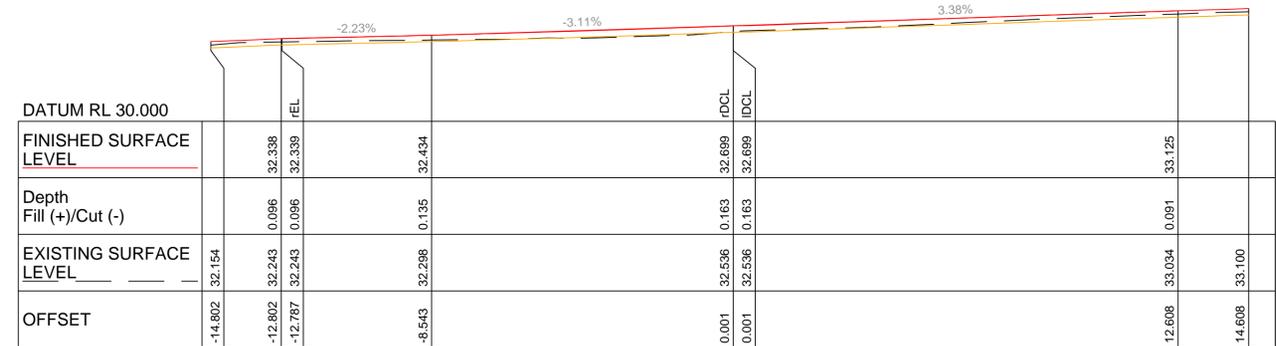
CH 40.00



CH 100.00



CH 35.00



CH 80.00

CROSS SECTIONS - OAKVILLE ROAD CH 35 - 120

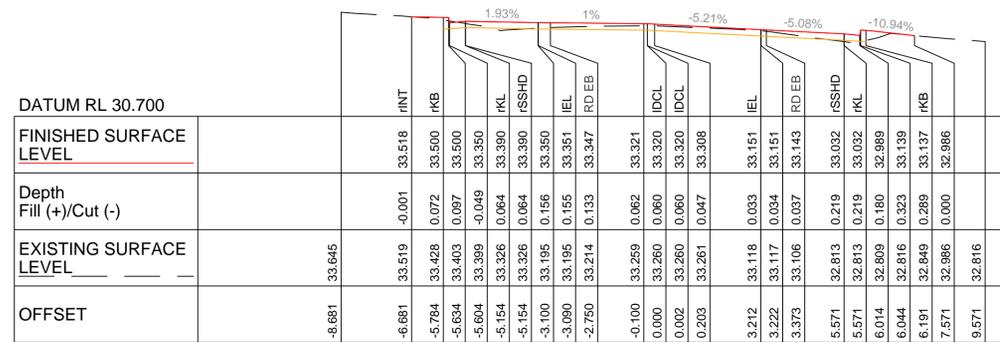
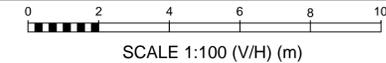
-	--/----	----	-	SCALE AT A1 (mm)	10	20	30	40	50	ISSUE:	ISSUE FOR CONSTRUCTION		DATUM : ASSUMED	ROAD REHABILITATION DESIGN PLANS		SHEET DESCRIPTION			
-	--/----	----	-							SURVEYED	T. VINCENT	04/2025	ORIGIN :	HANCKEL AND OAKVILLE ROAD INTERSECTION		CROSS SECTIONS - OAKVILLE ROAD			
C	09/2025	DRAINAGE MODIFICATION AND STREET LIGHT WORKS	AC							DESIGNED	A. CROGHAN	08/2025	SCALE : AS SHOWN	OAKVILLE		CH 35 - 120			
B	08/2025	ISSUE FOR CONSTRUCTION	AC							DRAWN	A. CROGHAN	08/2025		HAWKESBURY CITY COUNCIL		FILE No.	SHEET No. 6	PLAN No.	REVISION
A	08/2025	PRELIMINARY ISSUE	AC							CHECKED	A. SUMANARATNE	08/2025		PM00-00000		2025007	OF 14 SHEETS	25007D06	C
REV.	DATE	AMENDMENT	BY							APPROVED	M. FALANKO	08/2025		DIRECTORY: G:\Design\01_Current Projects\Black Spot Projects\Hanckel Road_2425\Design\01_Drawing		PRINT DATE: 16/12/2025 2:20 PM			



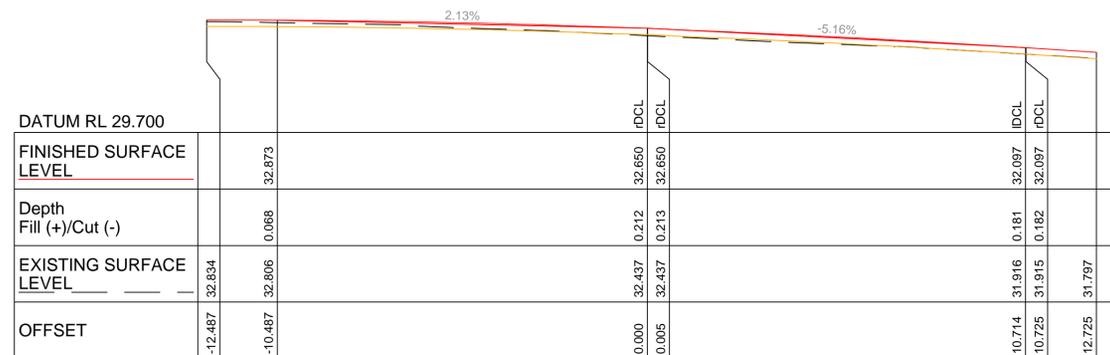
366 George Street
Windsor NSW 2756 (PO Box 146)
Phone: (02) 4560 4444
Facsimile: (02) 4560 4400
DX: 8601 Windsor

LEGEND: (PROPOSED CROSS SECTION LABELS PREFIXED WITH I/ to INDICATE DIRECTION)

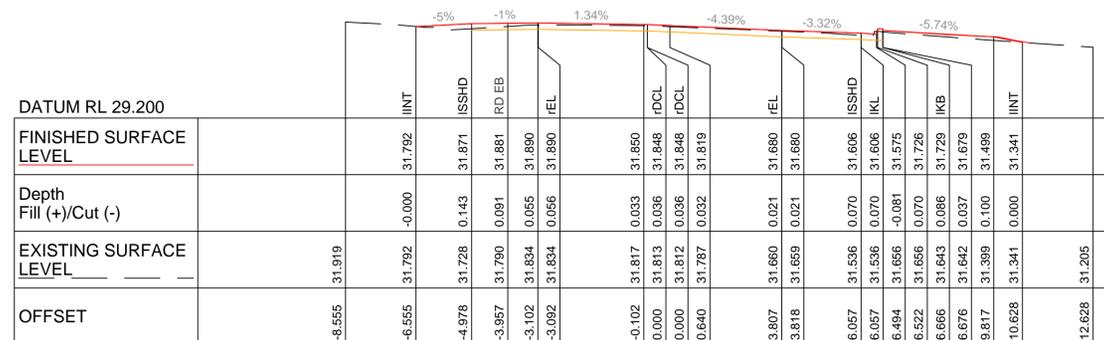
DCL	= PROPOSED ROAD CENTRELINE	RD RC	= EXISTING ROAD CENTERLINE
EL	= PROPOSED EDGE LINE/FLEXURE POINT	RD EB	= EXISTING EDGE OF BITUMEN
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USHHD	= PROPOSED EDGE OF UNSEALED SHOULDER	RD EG	= EXISTING EDGE OF FORMATION
INT	= INTERFACE	RD EG	= EXISTING EDGE OF FORMATION
			= INDICATIVE BOXING 150mm DEEP



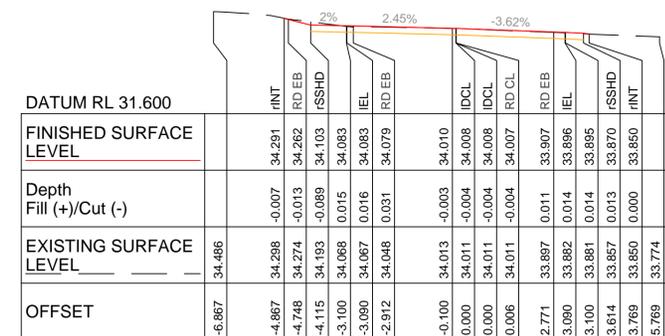
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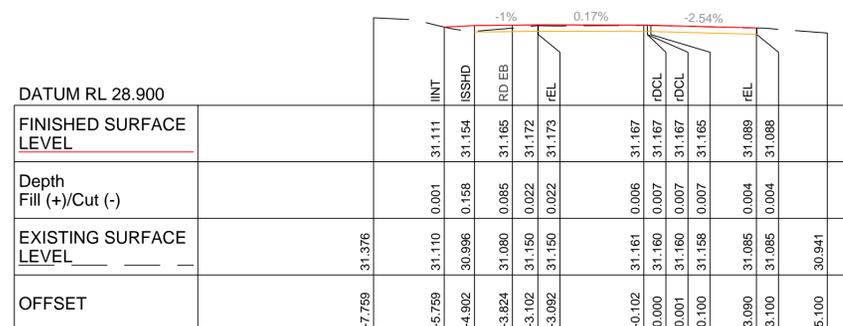
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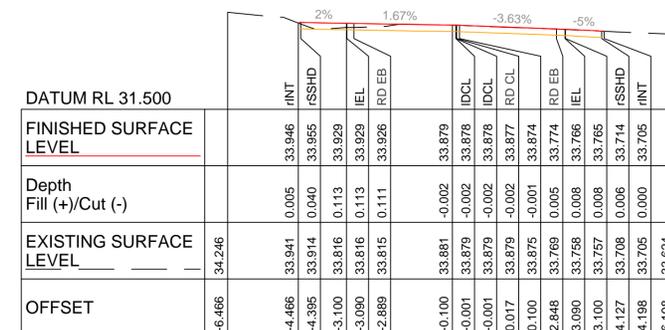
CH 40.00



CH 104.50



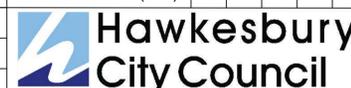
CH 25.00



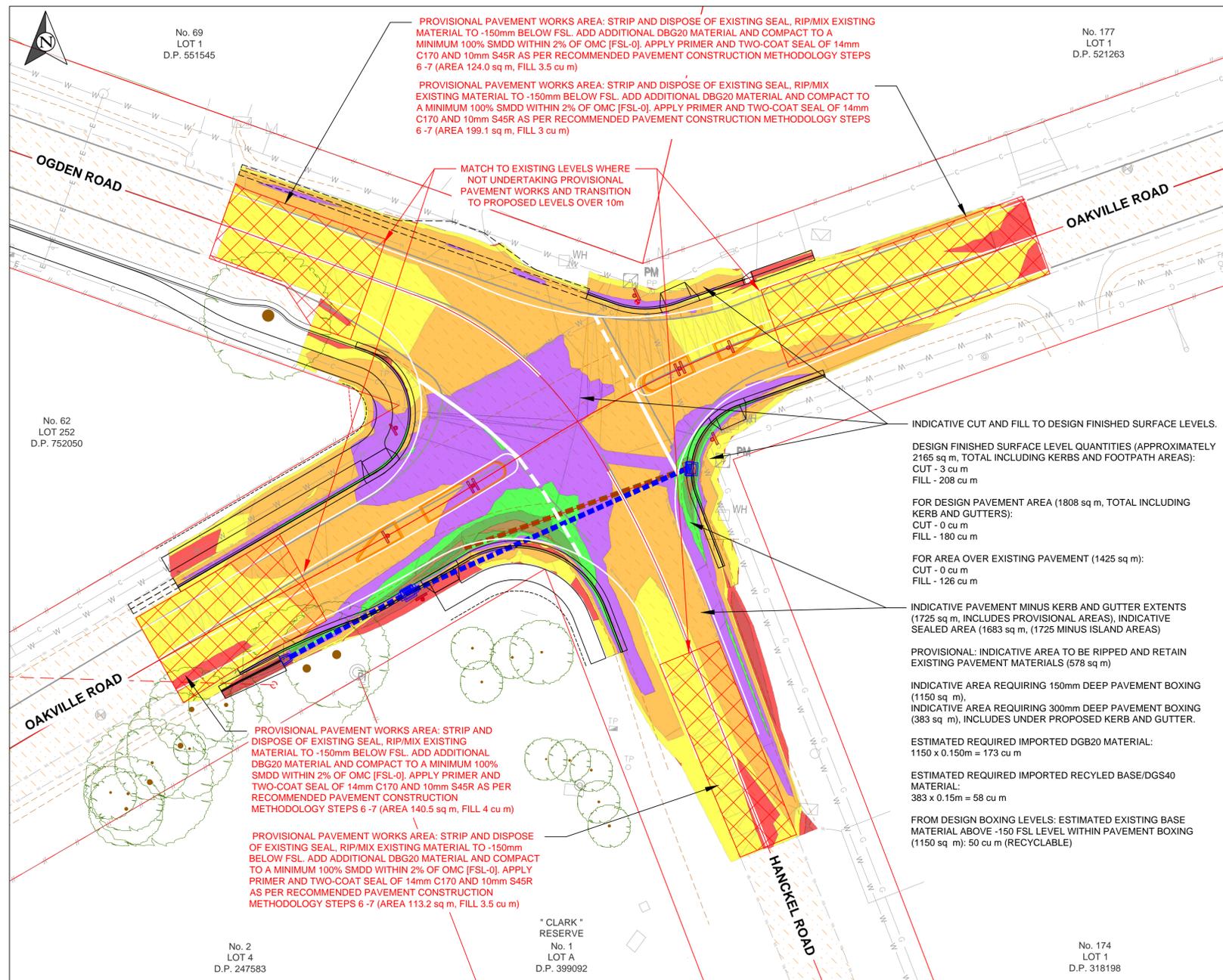
CH 100.00

CROSS SECTIONS - OGDEN-HANCKEL ROAD CH 25 - 104.5

-	--/----	----	-	SCALE AT A1 (mm)	10	20	30	40	50	ISSUE:	ISSUE FOR CONSTRUCTION	DATUM : ASSUMED	ROAD REHABILITATION DESIGN PLANS HANCKEL AND OAKVILLE ROAD INTERSECTION OAKVILLE HAWKESBURY CITY COUNCIL PM00-00000 DIRECTORY: G:\Design\01_Current Projects\Black Spot Projects\Hanckel Road_2425\Design\01_Drawing	SHEET DESCRIPTION CROSS SECTIONS - OGDEN-HANCKEL ROAD CH 25 - 104.5				
-	--/----	----	-							SURVEYED	T. VINCENT	04/2025		DATUM ORIGIN :	FILE No.	SHEET No. 7	PLAN No.	REVISION
C	09/2025	DRAINAGE MODIFICATION AND STREET LIGHT WORKS	AC							DESIGNED	A. CROGHAN	08/2025		SCALE : AS SHOWN	2025007	OF 14 SHEETS	25007D07	C
B	08/2025	ISSUE FOR CONSTRUCTION	AC							DRAWN	A. CROGHAN	08/2025						
A	08/2025	PRELIMINARY ISSUE	AC							CHECKED	A. SUMANARATNE	08/2025						
REV.	DATE	AMENDMENT	BY							APPROVED	M. FALANKO	08/2025					PRINT DATE: 16/12/2025 2:20 PM	



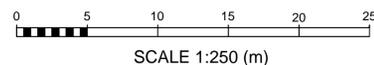
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Facsimile: (02) 4560 4400
DX: 8601 Windsor



EARTH WORKS PLAN

PLAN NOTES:

- ENSURE SMOOTH TRANSITIONS FROM PROPOSED DESIGN LEVELS TO EXISTING SURFACES.
- ANY REMOVAL OF EXISTING TREES AND WORKS THAT WILL REQUIRE CUTTING OF ROOTS IS TO BE IN CONSULTATION WITH COUNCILS OPEN SPACES AND PARKS CITY SERVICES REPRESENTATIVE.
- UTILITY SERVICES INFORMATION SHOWN ON THE EXISTING SITE DETAIL PLAN DOES NOT DEPICT ANY MORE THAN THE PRESENCE OF A SERVICE, BASED ON AVAILABLE DOCUMENTARY EVIDENCE. THE PRESENCE OF UTILITY SERVICE, ITS SIZE AND LOCATION SHOULD RECONFIRMED BY FIELD INVESTIGATION PRIOR TO COMMENCEMENT OF PROPOSED WORK AND THE RELEVANT UTILITY PLANS OBTAINED BY DIALING 'DIAL BEFORE YOU DIG' (PHONE 1100).



PROPOSED EARTHWORKS, FINISHED - EXISTING SURFACE LEVELS (CUT/FILL)

TO	FROM	COLOUR
-0.5	-0.25	Red
-0.25	-0.15	Dark Red
-0.15	-0.05	Red
-0.05	0	Yellow
0	0.05	Yellow
0.05	0.15	Orange
0.15	0.25	Green
0.25	0.35	Light Green
0.35	0.45	Dark Green
0.45	0.55	Brown
0.55	0.8	Dark Green

RECOMMENDED SEALED PAVEMENT OPTION:

FULL WIDTH PAVEMENT RECONSTRUCTION AREAS AND SHOULDER WIDENING TO BE CONSTRUCTED IN ACCORDANCE WITH RECOMMENDED CONSTRUCTION METHODOLOGY AS BELOW:

CONSTRUCTION METHODOLOGY:

- CONFIRM PLAN AND DEPTH POSITION OF ALL UNDERGROUND SERVICES BY POTHOLING AND LOWER AS REQUIRED BY CONTRACTOR'S RISK ASSESSMENT. BACKFILL THE UTILITY TRENCHES IN LAYERS THAT ARE FULLY COMPACTED WITH SIMILAR PERMEABILITY TO SURROUNDING MATERIALS.
 - EXCAVATE EXISTING MATERIALS TO VARIABLE PAVEMENT DEPTHS, STRIP AND DISPOSE OF EXISTING SEAL:
 - WHERE CONSTRUCTING PAVEMENT IN PRE-EXISTING SEALED PAVEMENT AREAS - EXCAVATE THE TOP 150mm (ACCORDING TO DESIGN EARTHWORKS FSL) OF THE EXISTING PAVEMENT MATERIALS AND REMOVE/UTILISE/STOCKPILE SUITABLE MATERIALS ON SITE. [FSL-150]
 - WHERE CONSTRUCTING PAVEMENT IN PRE-EXISTING NON-SEALED PAVEMENT AREAS, SHOULDERS OR PAVEMENT WIDENING AREAS EXCAVATE THE TOP 300mm OF THE EXISTING MATERIALS AND REMOVE/UTILISE/STOCKPILE SUITABLE MATERIALS ON SITE. [FSL-300]
 - TRIM AND COMPACT EXISTING SUBGRADE/SUBBASE MATERIALS TO A MINIMUM OF 98% SMDD. [EXISTING PAVEMENT FSL-150/ SHOULDERS/PAVEMENT WIDENING FSL-300]
 - PLACE BACK STOCKPILED BASE MATERIALS AND IMPORT ADDITIONAL DGS40 MATERIAL AND COMPACT TO A MINIMUM 98% SMDD WITHIN 2% OF OMC. [FSL-150]
 - PLACE BACK STOCKPILED BASE MATERIAL AND IMPORT ADDITIONAL CLASS1 DGB20 MATERIAL AND COMPACT TO A MINIMUM 100% SMDD WITHIN 2% OF OMC. [FSL-0]
 - PRIME SURFACE TO PROMOTE BONDING BETWEEN THE BASE COURSE AND WEARING COURSE. ADEQUATE CURING (48 HOURS) SHOULD BE ADHERED TO MINIMISE THE RISK OF PREMATURE FAILURE (IC-QA-R106) [FSL-0]
 - APPLY A TWO-COAT SEAL OF 14mm C170 AND 10mm S45R (TO BE CONFIRMED BY THE SEAL CONTRACTOR). [FSL]
- GEOTECHNICAL TESTING TO BE CONDUCTED TO PROOF DESIGN PRIOR TO CONSTRUCTION.

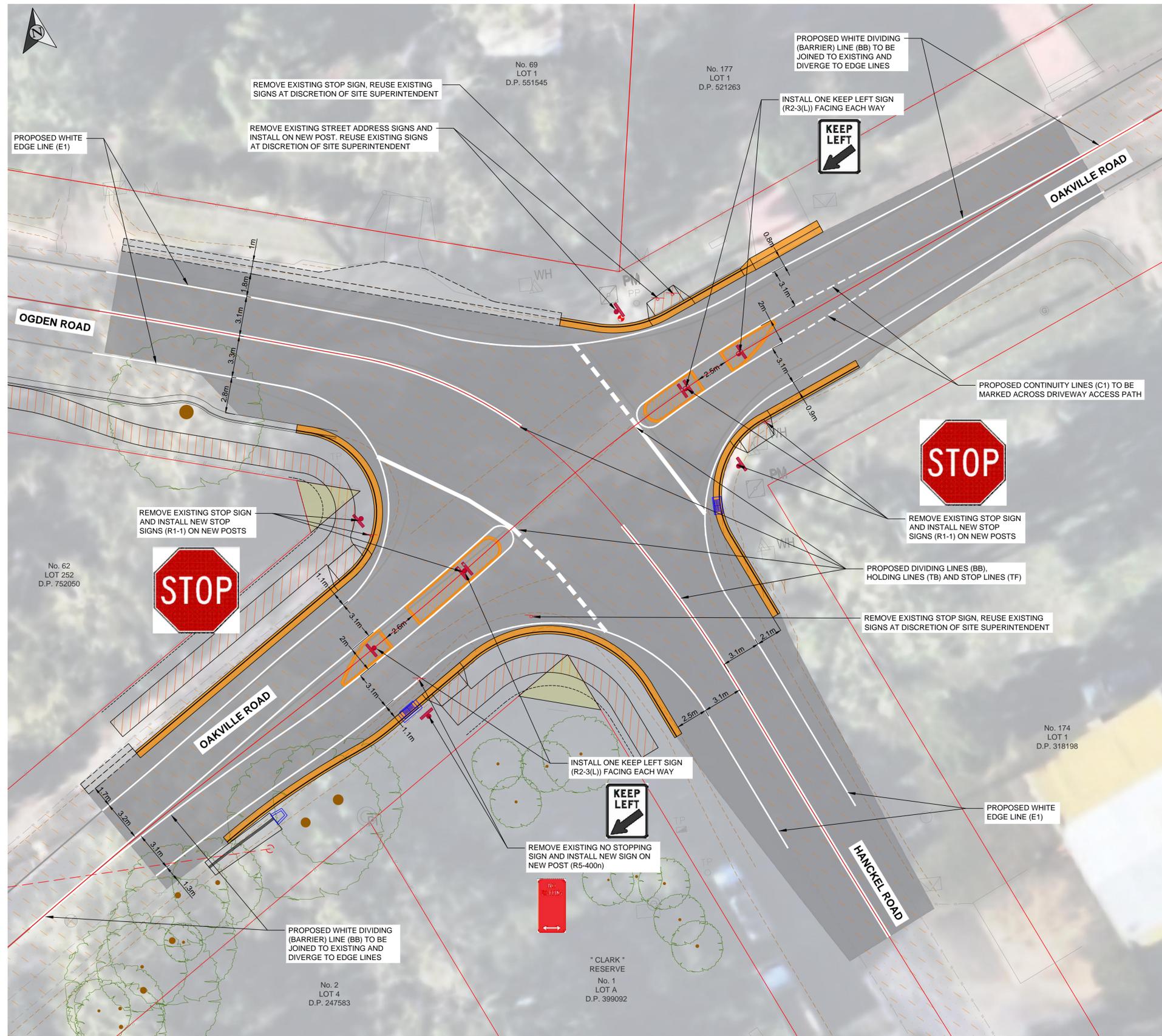


REV.	DATE	AMENDMENT	BY	SCALE AT A1 (mm)	10	20	30	40	50	ISSUE:	ISSUE FOR CONSTRUCTION	DATUM : ASSUMED ORIGIN :	ROAD REHABILITATION DESIGN PLANS HANCKEL AND OAKVILLE ROAD INTERSECTION	SHEET DESCRIPTION			
-	--/----	----	-							SURVEYED	T. VINCENT	04/2025	OAKVILLE HAWKESBURY CITY COUNCIL PM00-00000 DIRECTORY: G:\Design\01_Current Projects\Black Spot Projects\Hanckel Road_2425\Design\01_Drawing	PAVEMENT DESIGN AND EARTHWORK PLAN			
C	09/2025	DRAINAGE MODIFICATION AND STREET LIGHT WORKS	AC							DESIGNED	A. CROGHAN	08/2025		FILE No.	SHEET No. 8	PLAN No.	REVISION
B	08/2025	ISSUE FOR CONSTRUCTION	AC							DRAWN	A. CROGHAN	08/2025		2025007	OF 14 SHEETS	25007D08	C
A	08/2025	PRELIMINARY ISSUE	AC							CHECKED	A. SUMANARATNE	08/2025					
										APPROVED	M. FALANIKO	08/2025					



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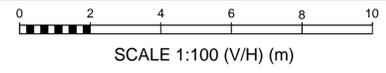
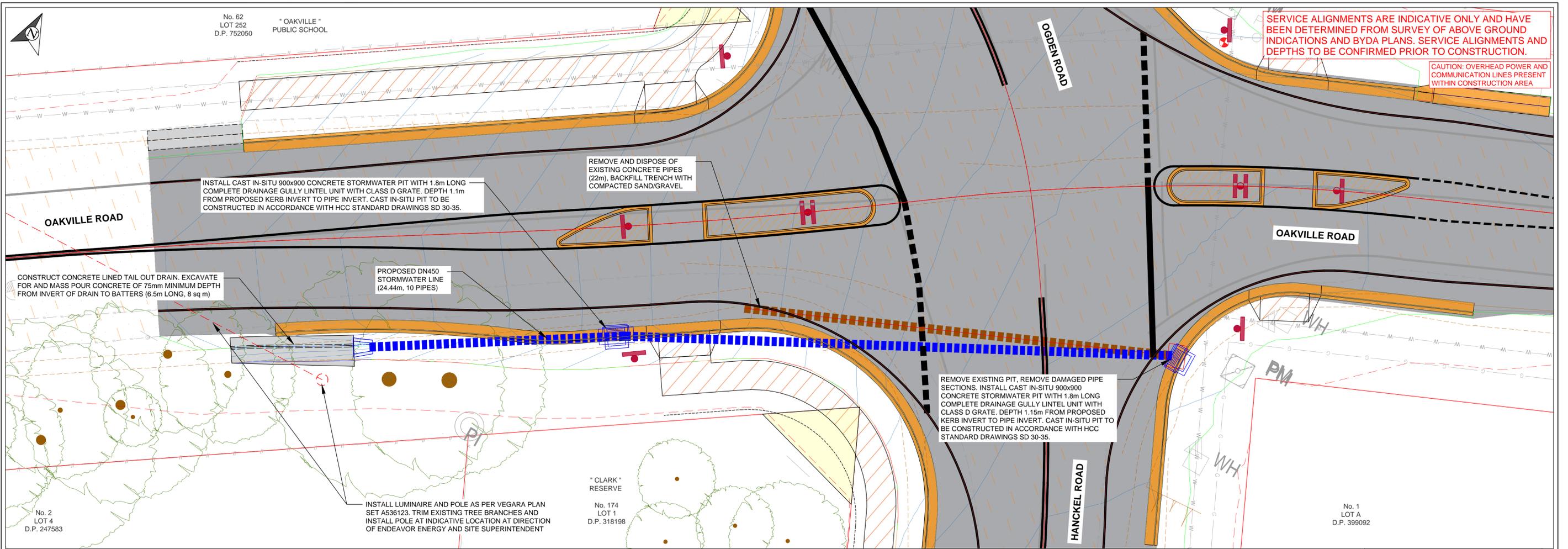
PROPOSED LINEMARKING AND SIGNAGE PLANS
NOT TO SCALE

NOTES:

1. PAVEMENT MARKING, GUIDEPOSTS AND SIGNPOSTING TO BE INSTALLED IN ACCORDANCE WITH TNSW DELINEATION MANUAL AND AS1742 SET
2. ALL LINEMARKING TO BE WHITE THERMOPLASTIC WITH VISIBEADS
3. EXISTING SIGNS CAN BE REUSED, TO BE CONFIRMED BY SITE SUPERINTENDENT.
4. REMOVE EXISTING AND INSTALL RETRO-REFLECTIVE RAISED PAVEMENT MARKERS (RRPM'S) AS PER TNSW DELINEATION MANUAL AND AS1742
5. LOCATIONS OF SIGNS AND DIMENSIONS AND OTHER LINE MARKING DETAILS SHOWN ON THIS PLAN TO BE CONFIRMED WITH SITE SUPERINTENDENT.

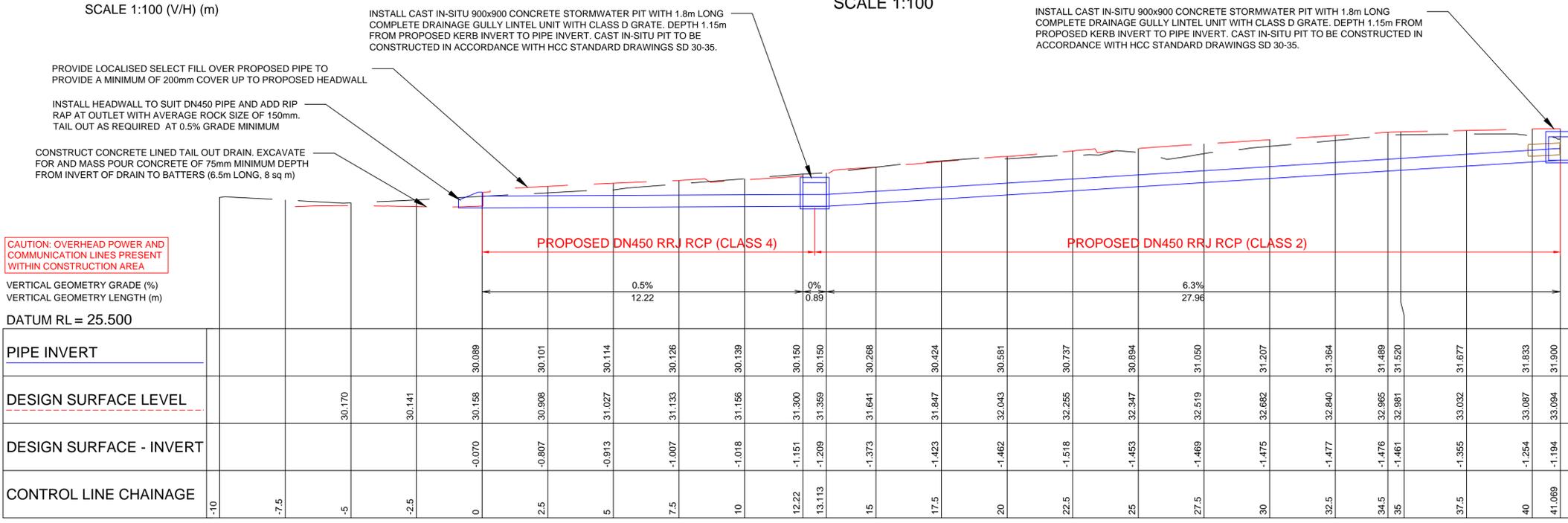
DIMENSIONS OF LONGITUDINAL PAVEMENT MARKING			
REFERENCE: TNSW DELINEATION MANUAL SECTION 4		ALL DIMENSIONS ARE IN METRES	
LINE	TYPE	PATTERN & DIMENSIONS	REFERENCE SECTION
DIVIDING (BARRIER) LINES (WHITE)	BB		SECTION 4
DIVIDING (BARRIER) LINES-ONE WAY (WHITE)	BS		SECTION 4
EDGE LINE (WHITE)	E1		SECTION 4
CONTINUITY LINE (WHITE)	C1		SECTION 4
STOP LINE (WHITE)	TF		SECTION 4
HOLDING LINE (WHITE)	TB		SECTION 4

-	--/----	----	-	SCALE AT A1 (mm)	10	20	30	40	50	ISSUE:	ISSUE FOR CONSTRUCTION		DATUM : ASSUMED	ROAD REHABILITATION DESIGN PLANS			
-	--/----	----	-							SURVEYED	T. VINCENT	04/2025	ORIGIN :	HANCKEL AND OAKVILLE ROAD INTERSECTION			
C	09/2025	DRAINAGE MODIFICATION AND STREET LIGHT WORKS	AC	<p>Hawkesbury City Council 366 George Street Windsor NSW 2756 (PO Box 146) Phone: (02) 4560 4444 Facsimile: (02) 4560 4400 DX: 8601 Windsor</p>						DESIGNED	A. CROGHAN	08/2025	SCALE : AS SHOWN	OAKVILLE			
B	08/2025	ISSUE FOR CONSTRUCTION	AC							DRAWN	A. CROGHAN	08/2025		HAWKESBURY CITY COUNCIL			
A	08/2025	PRELIMINARY ISSUE	AC							CHECKED	A. SUMANARATNE	08/2025		PM00-00000			
REV.	DATE	AMENDMENT	BY							APPROVED	M. FALANIKO	08/2025		DIRECTORY: G:\Design\01_Current Projects\Black Spot Projects\Hanckel Road_2425\Design\01_Drawing			
											SHEET DESCRIPTION						
											PROPOSED LINEMARKING PLAN						
											FILE No.	SHEET No. 9	PLAN No.	REVISION			
											2025007	OF 14 SHEETS	25007D09	C			
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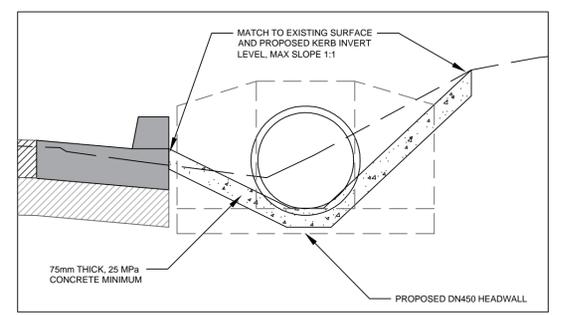
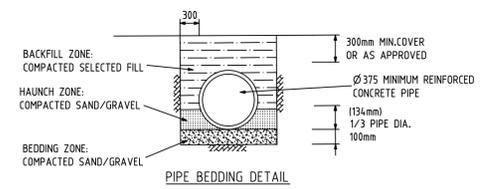


PROPOSED DRAINAGE LINE - PLAN VIEW
SCALE 1:100

CONTOUR INCREMENT 0.25m



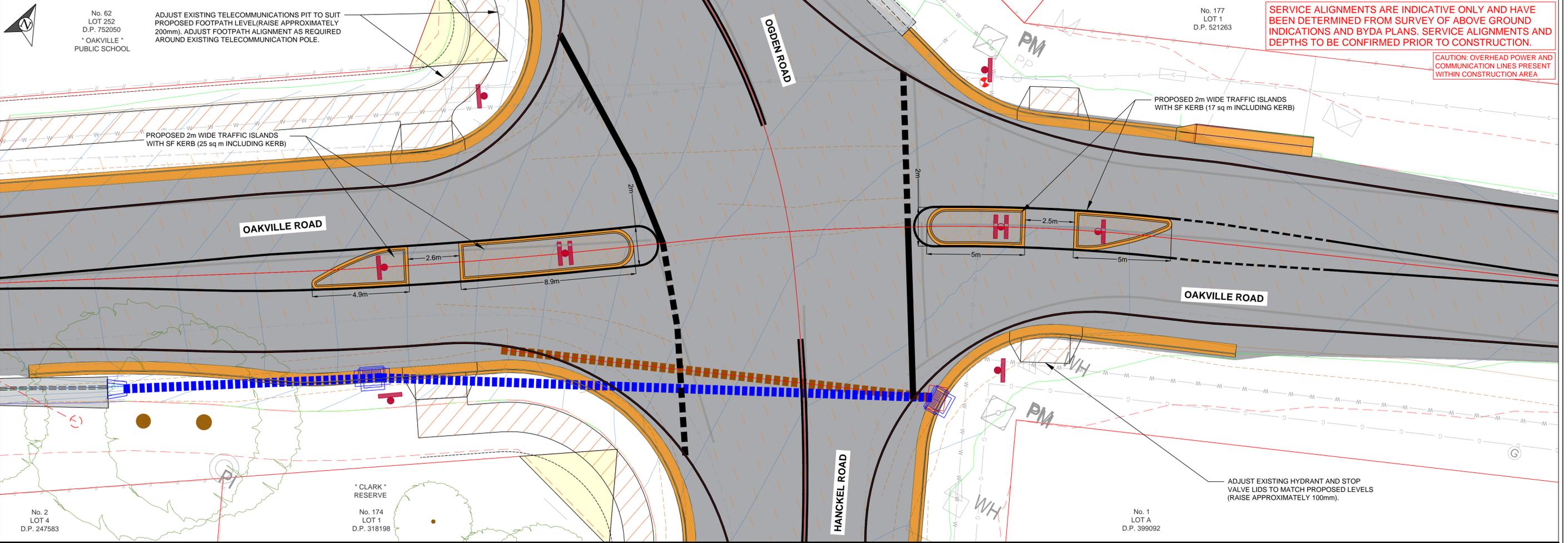
CAUTION: OVERHEAD POWER AND COMMUNICATION LINES PRESENT WITHIN CONSTRUCTION AREA



LONGITUDINAL SECTION - PROPOSED STORMWATER LINE

A1 SCALE: H 1:100, V 1:100

-	--/----	----	-	SCALE AT A1 (mm)	10	20	30	40	50	ISSUE:	ISSUE FOR CONSTRUCTION		DATUM : ASSUMED	ROAD REHABILITATION DESIGN PLANS				SHEET DESCRIPTION PROPOSED DRAINAGE PLAN AND STORMWATER LINE LONG SECTION			
-	--/----	----	-							SURVEYED	T. VINCENT	04/2025	ORIGIN :	HANCKEL AND OAKVILLE ROAD INTERSECTION							
C	09/2025	DRAINAGE MODIFICATION AND STREET LIGHT WORKS	AC	366 George Street Windsor NSW 2756 (PO Box 146) Phone: (02) 4560 4444 Facsimile: (02) 4560 4400 DX: 8801 Windsor						DRAWN	A. CROGHAN	08/2025	SCALE : AS SHOWN	OAKVILLE				FILE No.	SHEET No. 10	PLAN No.	REVISION
B	08/2025	ISSUE FOR CONSTRUCTION	AC							CHECKED	A. SUMANARATNE	08/2025	HAWKESBURY CITY COUNCIL				2025007	OF 14 SHEETS	25007D010	C	
A	08/2025	PRELIMINARY ISSUE	AC							APPROVED	M. FALANIKO	08/2025	PM00-00000				PRINT DATE: 16/12/2025 2:20 PM				
REV.	DATE	AMENDMENT	BY							DIRECTORY: G:\Design\01_Current Projects\Black Spot Projects\Hanckel Road_2425\Design\01_Drawing											



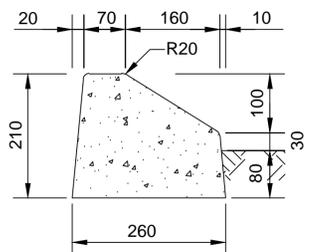
SERVICE ALIGNMENTS ARE INDICATIVE ONLY AND HAVE BEEN DETERMINED FROM SURVEY OF ABOVE GROUND INDICATIONS AND BYDA PLANS. SERVICE ALIGNMENTS AND DEPTHS TO BE CONFIRMED PRIOR TO CONSTRUCTION.

CAUTION: OVERHEAD POWER AND COMMUNICATION LINES PRESENT WITHIN CONSTRUCTION AREA

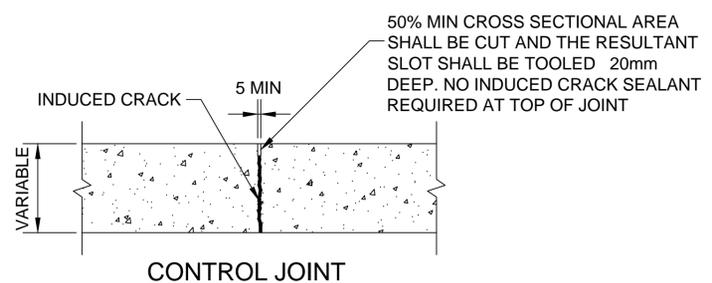
PROPOSED ISLANDS - PLAN VIEW
SCALE 1:100

SCALE 1:100 (V/H) (m)

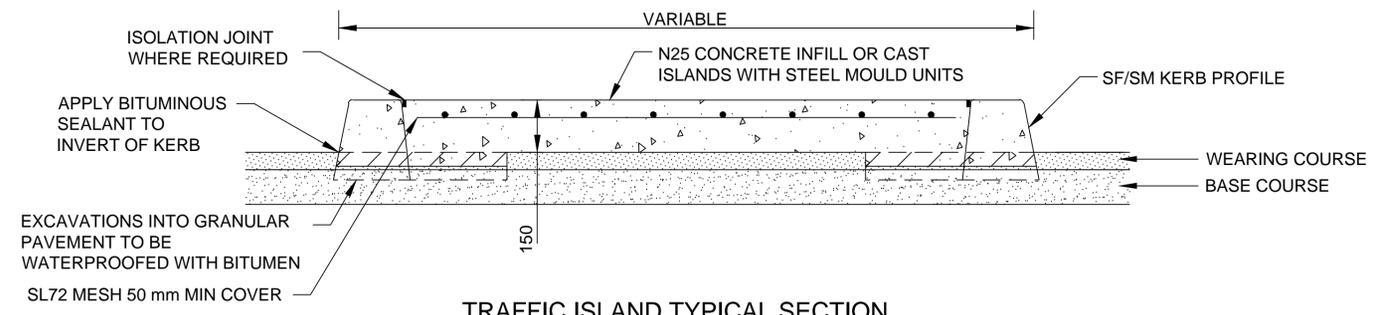
CONTOUR INCREMENT 0.25m



SEMI-MOUNTABLE KERB (SF KERB)



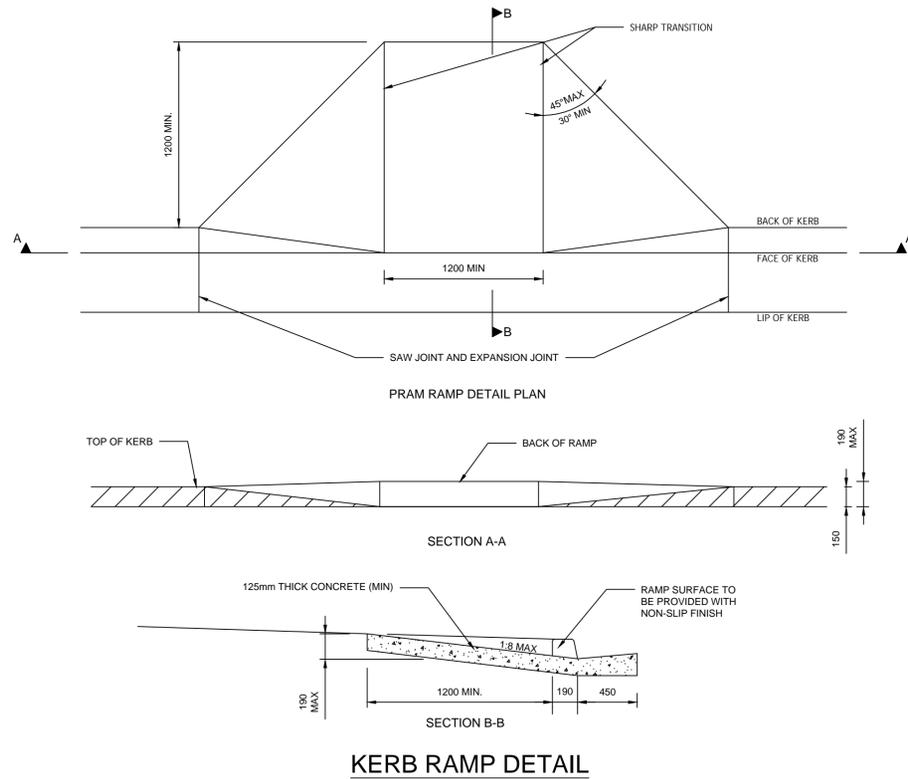
CONTROL JOINT



TRAFFIC ISLAND TYPICAL SECTION

- NOTES:**
1. CONCRETE STRENGTH GRADE SHALL BE N25 UNLESS OTHERWISE SPECIFIED AND SHALL CONFORM TO THE REQUIREMENTS OF AS 1379 SPECIFICATION AND SUPPLY OF CONCRETE.
 2. REFER TO AS 2876 CONCRETE KERBS AND CHANNELS FOR SPECIFIC REQUIREMENTS.
 3. REFER TO AS/NZS 4671 STEEL REINFORCING MATERIALS FOR SPECIFIC REQUIREMENTS.
 4. CONTROL JOINT SPACING SHALL BE 3m MAXIMUM AND SHALL BE FORMED AS SHOWN. 7. SOME KERB AND CHANNEL DIMENSIONS SLIGHTLY VARY FROM TINSW STANDARD SHAPES. REFER TO TINSW KERB AND CHANNEL STANDARD DRAWINGS FOR WORKS ON TINSW-CONTROLLED ROADS.
 5. THINNEST PART OF KERB SHALL BE 150mm MINIMUM IRRESPECTIVE OF CONSTRUCTION TOLERANCES.
 6. ALL EXPOSED SURFACES SHALL BE SMOOTH STEEL TROWEL FINISHED AND ALL EXPOSED CORNERS TO HAVE A RADIUS OF 10mm UNLESS SPECIFIED OTHERWISE.
 7. CONTROL JOINT SPACING IN KERB SHALL BE 3m MAXIMUM.

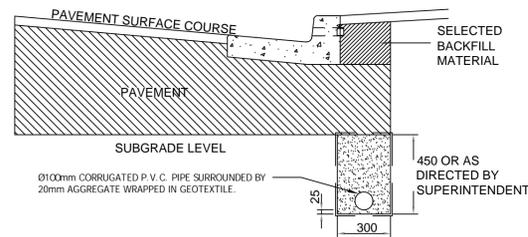
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REV.	DATE	AMENDMENT	BY							APPROVED	M. FALANIKO	08/2025	DIRECTORY: G:\Design\01_Current Projects\Black Spot Projects\Hanckel Road_2425\Design\01_Drawing SHEET DESCRIPTION PROPOSED ISLANDS PLAN, TYPICAL SECTION AND SERVICE ADJUSTMENTS FILE No. 2025007 SHEET No. 11 OF 14 SHEETS PLAN No. 25007D011 REVISION C PRINT DATE: 16/12/2025 2:20 PM				



KERB RAMP DETAIL

KERB PRAM RAMPS NOTES:

1. CONCRETE COMPRESSIVE STRENGTH (F_c) AT 28 DAYS TO BE 20MPa.
2. ALL KERB RAMPS SHALL HAVE A MINIMUM WIDTH OF 1200mm AND TO BE ALIGNED ALONG THE DIRECTION OF PEDESTRIAN TRAVEL.
3. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS NOTES OTHERWISE.



SUBSOIL DRAINAGE TYPICAL DETAIL

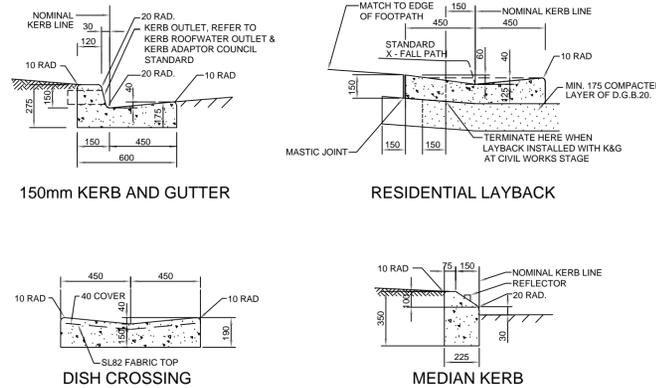
NOTE:

1. PROVIDE CLEANING RISERS AT 100m CENTRES, BEHIND DRAIN INSTALLED TO MANUFACTURER'S SPECIFICATIONS.
2. INSTALL FLUSHING POINTS AT 60 METER INTERVALS WITH 45° JUNCTION. SUBSOIL CAN BE INSTALLED UNDER KERBS AS DIRECTED BY ENGINEER.

ENVIRONMENTAL SITE MANAGEMENT NOTES:

1. SOIL EROSION & SEDIMENT CONTROL MEASURES DURING CONSTRUCTION SHALL CONFORM WITH GUIDELINES AS SET OUT IN 'MANAGING URBAN STORM WATER - SOILS & CONSTRUCTION (MARCH 2004) PUBLISHED BY LANDCOM.
2. RETAIN ALL EXISTING GRASS COVER WHEREVER POSSIBLE. TOPSOIL FROM ALL AREAS THAT WILL BE DISTURBED TO BE STRIPPED AND STOCKPILED WITH A SEDIMENT FENCE PLACED DOWNHILL.
3. SEDIMENT & EROSION CONTROLS MUST BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY EARTHWORKS.
4. ALL SILT FENCES & BARRIERS ARE TO BE MAINTAINED.
5. IT IS THE RESPONSIBILITY OF THE SUPERINTENDENT TO ENSURE THAT ALL MEASURES ARE TAKEN DURING THE COURSE OF CONSTRUCTION TO PREVENT SEDIMENT EROSION AND POLLUTION OF THE DOWNSTREAM SYSTEM, SUPERINTENDENT SHOULD BE CONTACTED IF IN DOUBT. ALL SEDIMENT CONTROL STRUCTURES TO BE INSPECTED AFTER EACH RAINFALL EVENT FOR STRUCTURAL DAMAGE AND ALL TRAPPED SEDIMENT TO BE REMOVED TO A NOMINATED AREA AND TO BE STABILISED AS SOON AS PRACTICAL.
6. STOCKPILES OF LOOSE MATERIALS SUCH AS SAND, SOIL, GRAVEL MUST BE COVERED WITH SILT FENCE MATERIAL. PLASTIC SHEETING OR MEMBRANE MUST NOT BE USED.
7. ALL DISTURBED AREAS ARE TO BE SPRAY SEED AND COVERED WITH STRAW.
8. DURING EXCAVATION ALL SPOIL SHALL BE MOUNDED ON THE UPHILL SIDE OF TRENCHES AND PLACED MINIMUM OF ONE (1) METRE CLEAR OF EDGE OF EXCAVATION, OR AS DETERMINED BY THE SUPERINTENDENT.

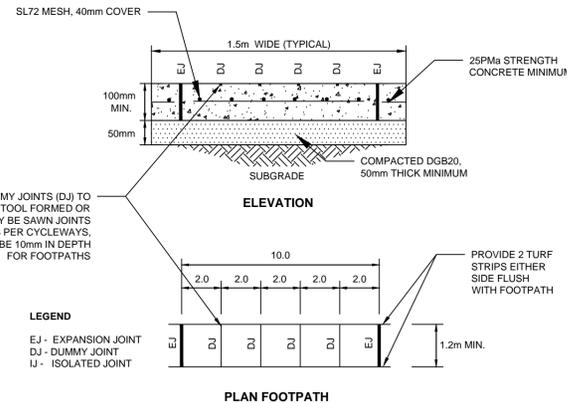
WSPSP STANDARD DRAWING - SD - R06



KERBS & GUTTERS

NOTE:

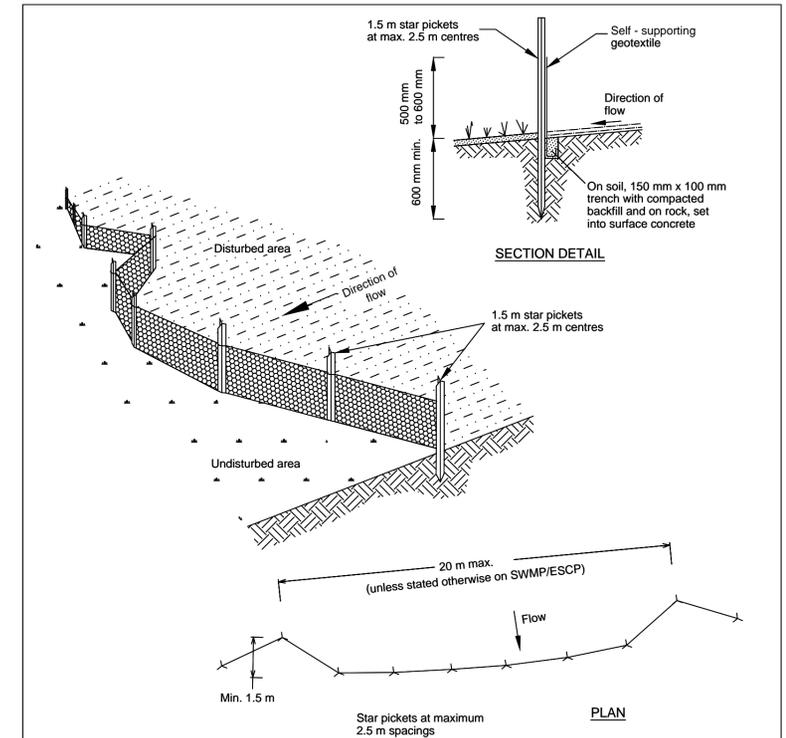
1. ROAD SUB BASE SHALL BE EXTENDED BENEATH KERBS, GUTTERS AND DISH CROSSINGS 300 BEHIND REAR OF KERB A MIN. DEPTH OF 175 & SUBJECT TO SUB - SOIL DRAINAGE REQUIREMENTS.
2. CONCRETE SHALL BE OF 25MPa COMPRESSIVE STRENGTH (F_c) AT 28 DAYS WITH NO SLUMP MIX FOR KERBS & GUTTERS, DISH CROSSINGS, MISCELLANEOUS KERBS AND EDGE STRIPS.
3. REINFORCING FABRIC SHALL BE AS 4671:2001 'STEEL WIRE REINFORCING FABRIC' WITH 40 COVER.
4. CONDUIT LOCATIONS SHALL BE MARKED ON KERB FACES WITH AN APPROVED TOOL OR AS OTHERWISE DIRECTED.
5. ALL DIMENSIONS ARE IN MILLIMETRES.
6. NOMINAL KERB LINE 150 FROM BACK OF KERB (NKL).
7. CONTROL JOINTS SHALL BE PROVIDED AT MAXIMUM OF 3m SPACINGS.



TYPICAL FOOTPATH DETAIL

NOTE:

1. CONSTRUCT FOOTPATH IN ACCORDANCE WITH HCC STANDARD DRAWING SET SD61. REFER PRIMARILY TO PLAN AND TYPICAL DETAILS FOR ANY ADDITIONAL DETAILS.

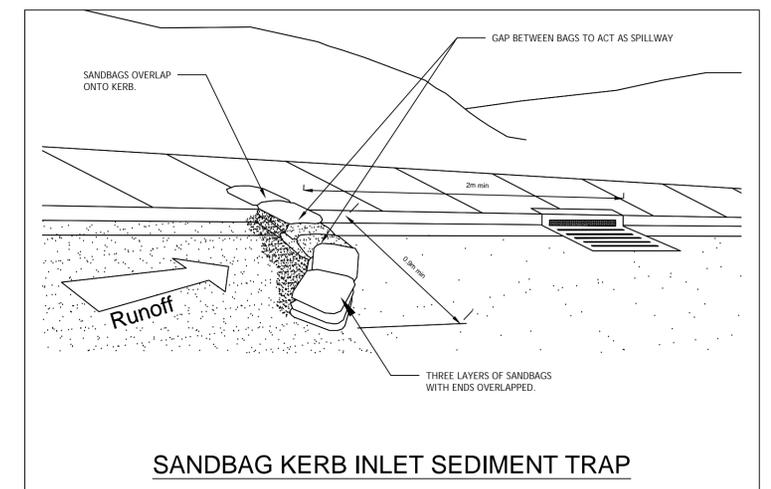


Construction Notes

1. Construct sediment fences as close as possible to being parallel to the contours of the site, but with small returns as shown in the drawing to limit the catchment area of any one section. The catchment area should be small enough to limit water flow if concentrated at one point to 50 litres per second in the design storm event, usually the 10 - year event.
2. Cut a 150 - mm deep trench along the upslope line of the fence for the bottom of the fabric to be entrenched.
3. Drive 1.5 mere long star pickets into ground at 2.5 mere intervals (max) at the downslope edge of the trench. Ensure any star pickets are fitted with safety caps.
4. Fix self - supporting geotextile to the upslope side of the posts ensuring it goes to the base of the trench. Fix the geotextile with wire ties or as recommended by the manufacturer. Only use geotextile specifically produced for sediment fencing. The use of shade cloth for this purpose is not satisfactory. Join sections of fabric at a support post with a 150 - mm overlap.
5. Backfill the trench over the base of the fabric and compact it thoroughly over the geotextile.

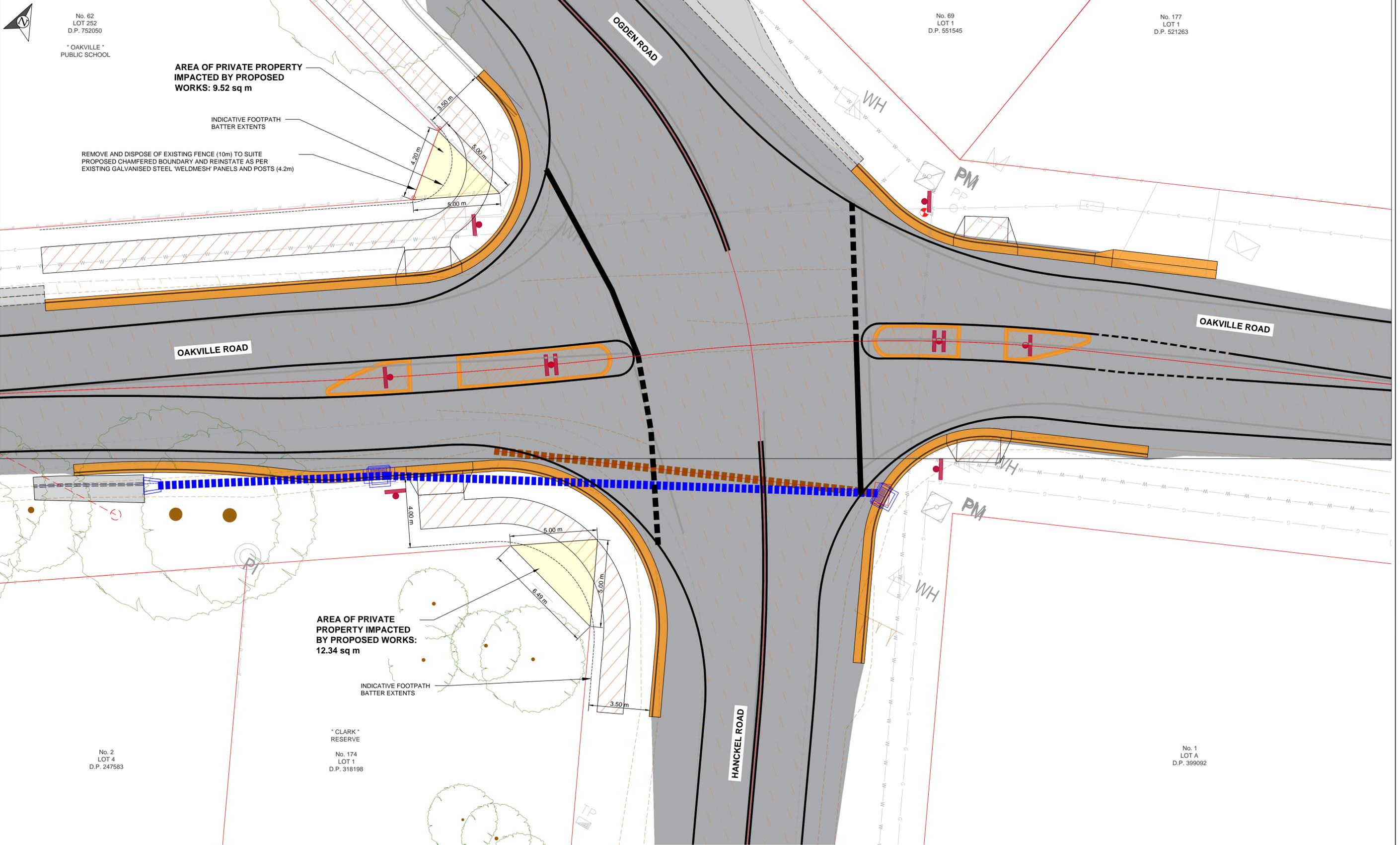
SEDIMENT FENCE

SD 6 - 8



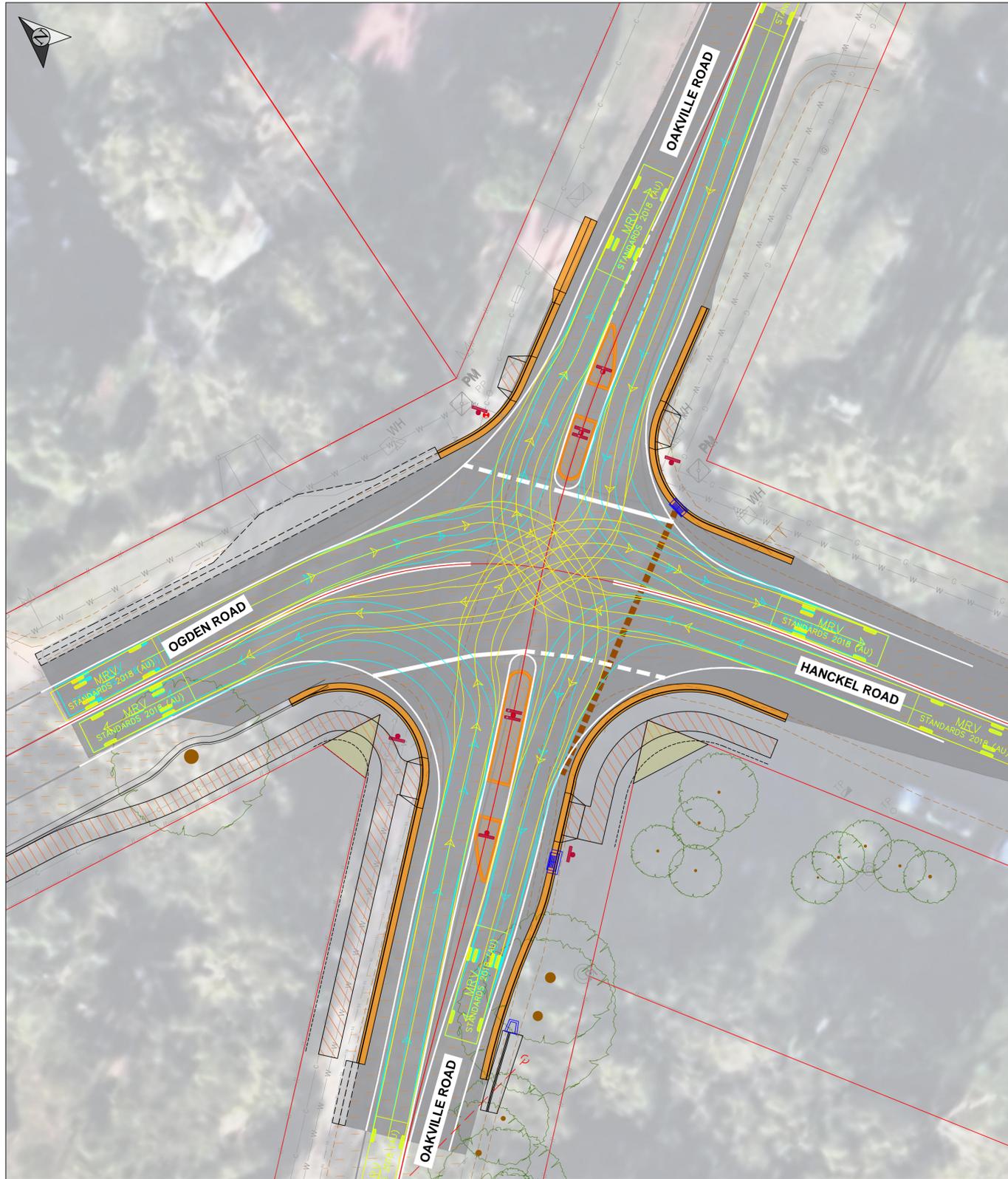
SANDBAG KERB INLET SEDIMENT TRAP

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											TYPICAL DETAILS AND EROSION AND SEDIMENT CONTROL NOTES						
											FILE No.	SHEET No. 12	PLAN No.	REVISION			
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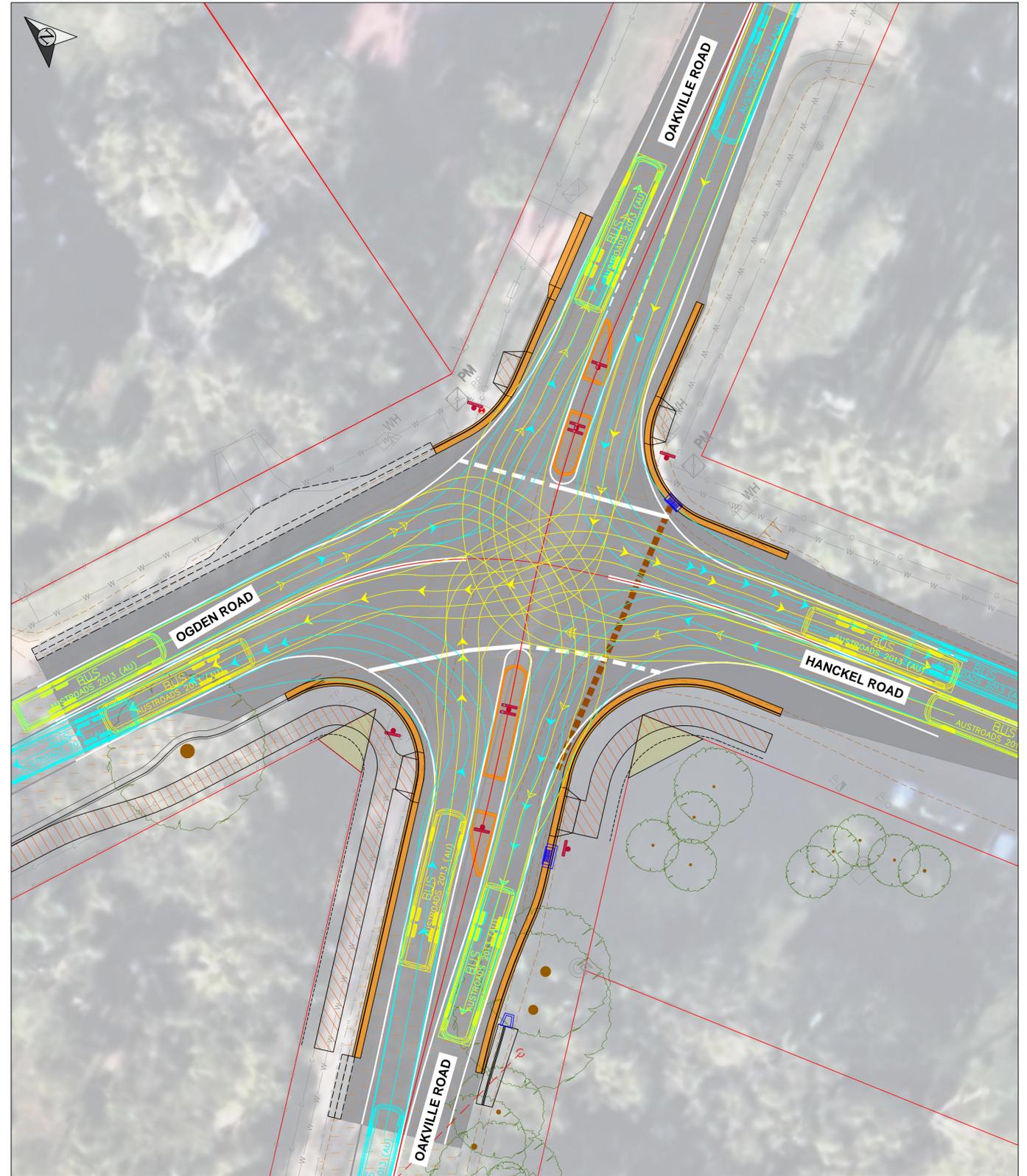


IMPACTS ON PRIVATE PROPERTY
SCALE 1:100

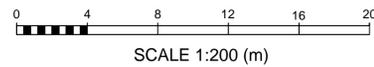
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8.8m DESIGN VEHICLE TURNING PATHS (MRV/SERVICE VEHICLE)



12.5m CHECK VEHICLE TURNING PATHS (BUS)



SCALE 1:200 (m)

VEHICLE TURNING PATHS PLAN
SCALE 1:200

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