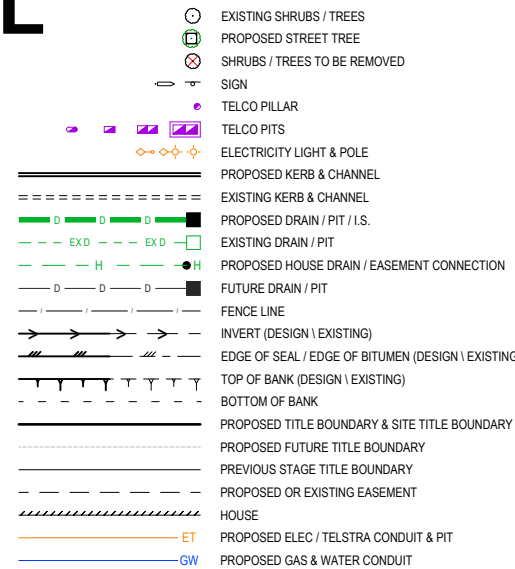
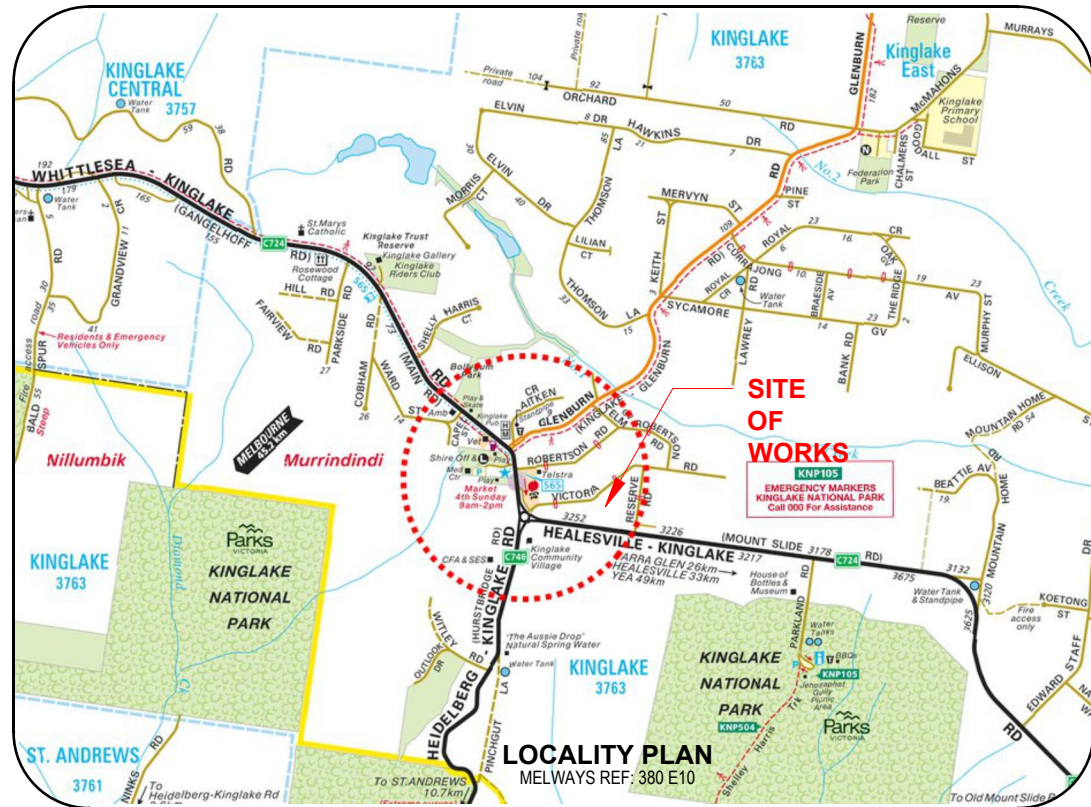


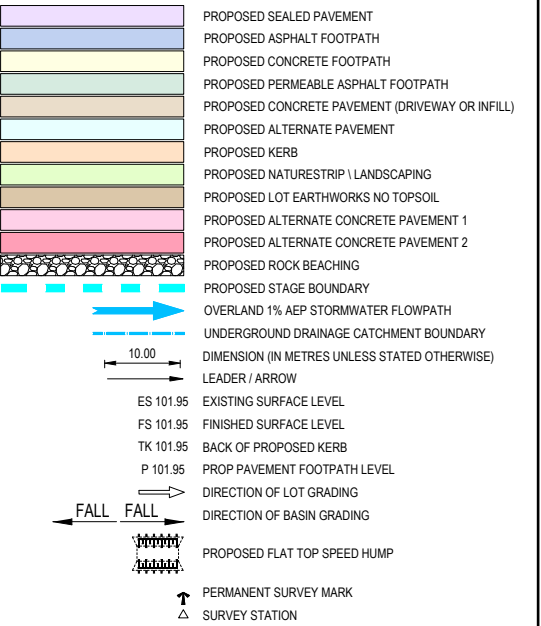
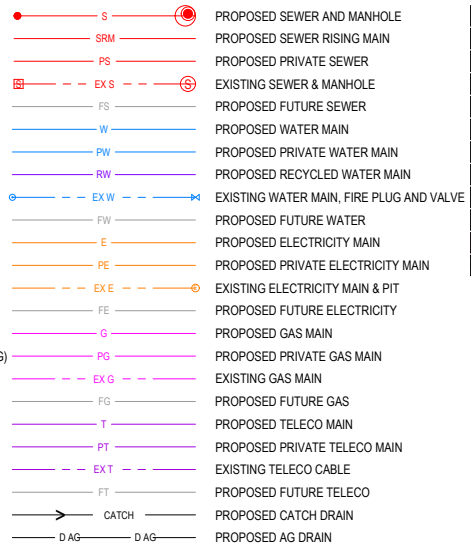
# KINGLAKE STREETScape RENEWAL

## ROADS & DRAINAGE CONSTRUCTION PLANS

### KINGLAKE



#### LEGEND



#### DRAWING LIST

12066R01	LOCALITY PLAN & GENERAL NOTES
12066R02	OVERALL DEVELOPMENT PLAN
12066R03	EXISTING CONDITIONS PLAN
12066R04-06	DETAIL PLAN (3 SHEETS)
12066R07	SIGNAGE & LINEMARKING PLAN
12066R08	PAVEMENT DETAIL
12066R09	TYPICAL DETAIL
12066R10-21	KERB & FOOTPATH PLAN + LONG SECTIONS (12 SHEETS)
12066R22-25	ROAD CENTRELINE CROSS SECTIONS (4 SHEETS)
12066R26	DRAINAGE LONG SECS & PIT SCHEDULE

#### TABLE OF OFFSETS FOR SERVICES

STREET	GAS	DW	TELCO	UG ELEC	LIGHTING	BOK
WHITTLESEA-KINGLAKE ROAD	-	-	1-1.70.8-3.0	EW	-	-
ROBERTSON ROAD	-	-	0.6-1.5/1.5-2.2	N/S	-	4.0-5.0/3.4-4.4



REFER TO ELECTRICAL AND TELSTRA PLANS FOR SERVICE AND CONDUIT DETAILS

#### WARNING

BWARE OF UNDERGROUND SERVICES  
THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

#### GENERAL NOTES

##### PRIOR TO THE COMMENCEMENT OF WORKS

- THE CONTRACTOR MUST NOTIFY THE RELEVANT AUTHORITY 7 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION OF THE RELEVANT WORKS.
- THE CONTRACTOR MUST OBTAIN ALL NECESSARY PERMITS FROM THE MUNICIPALITY & VICROADS FOR ANY WORKS UNDERTAKEN WITHIN AN EXISTING ROAD RESERVE PRIOR TO THE COMMENCEMENT OF WORKS.
- THE CONSULTANT HAS MADE EVERY REASONABLE ATTEMPT TO LOCATE EXISTING SERVICES AND HAS SHOWN THESE ON THE DRAWINGS. THE CONTRACTOR SHALL TAKE PHOTOGRAPHS AND PROVIDE A WRITTEN REPORT DETAILING THE CONDITION REGARDING ALL EXISTING INFRASTRUCTURE WHICH THEY ARE INTERFACING WITH, OR OTHERWISE HAVING AN IMPACT ON.
- PRIOR TO COMMENCING WORKS THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL SERVICES BY SITE SURVEY (INSPECTION AND CONSULTATION WITH ALL RELEVANT SERVICING AUTHORITIES). THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING SERVICES, WHETHER SHOWN OR NOT.
- THE CONTRACTOR MUST CONTACT DIAL BEFORE YOU DIG (CALL 1100), OR VISIT THE DIAL BEFORE YOU DIG WEBSITE PRIOR TO COMMENCING WORKS AND SATISFY THEMSELVES THAT THERE ARE NO SERVICES WITHIN THE VICINITY OF THE WORK AREA.
- NO WORK IS TO COMMENCE BEFORE THE CONTRACTOR HAS ASCERTAINED WHAT UNDERGROUND SERVICES ARE PRESENT.
- CONTRACTOR MUST FOLLOW THE "NO GO ZONE" SAFETY PROCEDURES AT ALL TIMES, WHICH ARE AVAILABLE FROM ALL UTILITY AND TELECOMMUNICATIONS COMPANIES, INCLUDING THE OFFICE OF THE CHIEF ELECTRICAL INSPECTOR, THE OFFICE OF GAS SAFETY AND WORKSAFE VICTORIA.
- IF THESE SAFETY PROCEDURES CANNOT BE COMPLIED WITH THEN NO WORK IS TO BE UNDERTAKEN WITHOUT PERMISSION FROM THE UTILITY COMPANY.
- THE CONTRACTOR MUST PREPARE A PROJECT MANAGEMENT PLAN (OTHERWISE CALLED A CONSTRUCTION OR SITE MANAGEMENT PLAN) AND HAVE IT APPROVED BY BOTH COUNCIL & THE SUPERINTENDENT PRIOR TO THE COMMENCEMENT OF ANY WORKS. THIS PROJECT MANAGEMENT PLAN IS TO INCORPORATE THE FOLLOWING AT A MINIMUM AND IN ACCORDANCE WITH ANY LEGISLATION REQUIREMENTS:
  - OCCUPATIONAL HEALTH & SAFETY PROCEDURES
  - SITE STAFFING INCLUDING CONTACT DETAILS

- TRAFFIC MANAGEMENT PLAN
- ENVIRONMENTAL MANAGEMENT PLAN
- QUALITY ASSURANCE DETAILS (FOR QA CERTIFIED CONTRACTORS)
- CONSTRUCTION PROGRAM

##### CONSTRUCTION SETOUT

- ALL LEVELS ARE TO A.H.D. AND ARE REFERENCED TO THE T.B.M. INDICATED.
- COORDINATION OF THIS DESIGN USES MGA 94. CORRECT AS OF THE DATE OF THESE PLANS. FROM 1ST JANUARY 2017, MGA 2020 MAY BE IN STANDARD USE AND WILL DIFFER IN POSITION BY AROUND 1.8 METRES FROM THIS DOCUMENT.
- NO TBM CAN BE USED WITHOUT FIRST PROVING IT TO BE CORRECT TO A SECOND TBM. NO HORIZONTAL SETOUT CONTROL CAN BE USED WITHOUT FIRST PROVING IT TO BE CORRECT TO A THIRD KNOWN POINT. THE CONSULTING SURVEYOR IS TO BE NOTIFIED OF ANY DISCREPANCIES IMMEDIATELY. TITLE PEGS AND T.B.M.'S TO BE RE-ESTABLISHED BY A LICENSED SURVEYOR IF FOUND TO BE MISSING.
- IF USING GNSS \ GPS TO SETOUT FOR CONSTRUCTION PLEASE NOTE:
  - GNSS HAS REDUCED VERTICAL PRECISION COMPARED TO TRADITIONAL SURVEY METHODS.
  - ONLY USE A SINGLE POINT CALIBRATION FOR THE VERTICAL THEN TEST TO AT LEAST 1 OTHER STATED TBM BEFORE PROCEEDING.
  - IF YOU HAVE ANY QUERIES OR CONCERNS CONTACT THE CONSULTING SURVEYOR.

##### SITE MANAGEMENT DURING CONSTRUCTION

- THE SUPERINTENDENT IS RESPONSIBLE FOR THE DESIGN AND MANAGEMENT OF THE CONSTRUCTION WORKS. ANY PROBLEMS ARISING DURING CONSTRUCTION SHALL BE DIRECTED TO THE SUPERINTENDENT.
- ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE INFRASTRUCTURE DESIGN MANUAL AND ANY OTHER RELEVANT AUTHORITY SPECIFICATIONS. A COPY OF THE INFRASTRUCTURE DESIGN MANUAL CAN BE FOUND AT [www.designmanual.com.au](http://www.designmanual.com.au) IF YOU HAVE ANY ISSUES INTERPRETING THE MANUAL CONTACT THE SUPERINTENDENT.
- ALL WORKS MUST ABIDE BY THE APPROVED CONSTRUCTION MANAGEMENT PLAN AND MUST COMPLY WITH THE RECOMMENDATIONS OF THE ENVIRONMENT PROTECTION AUTHORITY PUBLICATION "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL" (PUBLICATION NO 275). APPROPRIATE SILTATION CONTROL IS TO BE CARRIED OUT DURING THE CONSTRUCTION AND MAINTENANCE PERIOD.
- BEFORE COMMENCING ANY EXCAVATION WORKS OF 1.5m DEPTH OR GREATER, THE CONTRACTOR IS REQUIRED TO SUBMIT THE REQUIRED NOTIFICATION TO

WORKSAFE VICTORIA. THE NOTIFICATION MUST BE RECEIVED BY THE AUTHORITY AT LEAST 3 DAYS PRIOR TO COMMENCING EXCAVATIONS. A COPY OF THE NOTIFICATION IS TO BE PROVIDED TO THE SUPERINTENDENT. THE CONTRACTOR SHALL COMPLY WITH THE MINES ACT, OCCUPATIONAL HEALTH AND SAFETY ACT, WORKSAFE VICTORIA REQUIREMENTS INCLUDING COMPLIANCE CODES.

20. TWENTY-FOUR (24) HOURS NOTIFICATION TO INSPECTORS OF RELEVANT AUTHORITY IS REQUIRED PRIOR TO AN INSPECTION BEING CONDUCTED ON ANY PARTICULAR PORTION OF THE WORKS.
  19. THE CONTRACTOR SHALL TAKE THE UTMOST CARE TO PRESERVE EXISTING TREES. NO TREES SHALL BE REMOVED WITHOUT THE PRIOR APPROVAL OF THE SUPERINTENDENT.
  20. THE SUPERINTENDENT IS REQUIRED TO CONFINE CONSTRUCTION VEHICLES TO THE ROAD RESERVE AND EASEMENTS. ANY DAMAGE CAUSED TO THE ALLOTMENTS MUST BE MADE GOOD.
  21. THE CONTRACTOR SHALL TO THE SATISFACTION OF THE SUPERINTENDENT AND COUNCIL'S SUPERVISING OFFICER PROVIDE AND MAINTAIN ALL NECESSARY WARNING SIGNAGE, LIGHTING AND BARRICADING TO COMPLY WITH THE REQUIREMENTS OF THE ROAD MANAGEMENT ACT.
  22. DISPOSAL OF EXCESS SPOIL, TRUCK ROUTE AND DISPOSAL LOCATION ARE TO BE APPROVED BY THE MUNICIPAL ENGINEERING DEPARTMENT.
  23. AT THE COMPLETION OF WORKS ALL RUBBISH, DEBRIS AND SURPLUS SPOIL IS TO BE REMOVED AND ALL LOTS AND ROAD RESERVE TO BE LEFT IN A TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT & RELEVANT AUTHORITY.
- ##### PROTECTION OF VEGETATION
- NO WORKS ARE TO BE UNDERTAKEN WITHIN THE DRIP ZONE (CANOPY) OF AN EXISTING TREE UNLESS APPROVED BY THE RESPONSIBLE AUTHORITY.
  - MACHINERY IS NOT TO BE DRIVEN OVER OR PARKED WITHIN THE DRIP ZONE OF ANY TREE.
- ##### EARTHWORKS
- ALL EARTHWORKS ARE TO BE UNDERTAKEN IN ACCORDANCE WITH AS 3798 (2007) - GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS.
  - ALL FILLING WITHIN AREAS OF PROPOSED ROAD PAVEMENT IS TO ACHIEVE A MINIMUM COMPACTION OF 98% STANDARD.
  - ALL FILLING WITHIN OTHER AREAS IS TO ACHIEVE A MINIMUM COMPACTION OF
- ##### ROAD WORKS AND FOOTPATHS
- ALL KERB & CHANNEL IS MODIFIED SM2 (IDM SD 107) UNLESS STATED OTHERWISE.
  - ALL ASPHALT ROAD SEALS ARE TO BE 7mm TYPE 'N' UNLESS STATED OTHERWISE.

38. ALL KERB RADII ARE TO BACK OF KERB UNLESS STATED OTHERWISE.
  39. ALL FOOTPATHS ARE TO BE CONSTRUCTED AS PER INFRASTRUCTURE DESIGN MANUAL (IDM) 200 SERIES STANDARD DRAWINGS AND IN ACCORDANCE WITH COUNCIL STANDARDS UNLESS STATED OTHERWISE.
  40. TGSs ARE TO BE INSTALLED ON ALL PEDESTRIAN CROSSINGS AS PER AS 1428.4.
  41. ALL NEW INTERSECTIONS ARE TO HAVE STREET SIGNS INSTALLED TO COUNCIL STANDARDS IRRESPECTIVE OF WHETHER THEY ARE DETAILED ON THE ENGINEERING PLANS OR NOT.
  42. AT ALL TEMPORARY STAGE BOUNDARY TERMINATIONS TO ROADS THE CONTRACTOR IS TO INSTALL A D4-S HAZARD SIGN.
  43. ALL CONCRETE IS TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 25MPa AT 28 DAYS AND MINIMUM CEMENT CONTENT OF 320 kg/m<sup>3</sup>.
  44. TRANSITIONS BETWEEN DIFFERENT KERB TYPES TO BE OVER 3.0m MINIMUM, IF IT CANNOT BE ACHIEVED AT A PRAM CROSSING OR DRIVEWAY CROSSOVER.
  45. ROAD PAVEMENT COMPACTION & TESTING REQUIREMENTS ARE AS PER THE INFRASTRUCTURE DESIGN MANUAL.
- ##### STORMWATER DRAINAGE AND SERVICE CONDUIT NOTES
- ALL EASEMENT DRAINAGE PIPES ARE 1.0m OFFSET TITLE BOUNDARY UNLESS DIMENSIONED OTHERWISE.
  - ALL EASEMENT DRAINAGE PITS ARE TO BE 1.0m PAST TITLE BOUNDARY UNLESS DIMENSIONED OTHERWISE.
  - ALL PROPERTY DRAINAGE CONNECTIONS FROM ROAD RESERVES ARE TO ENTER THE PROPERTY 1.0m O/S SIDE BOUNDARY ON THE LOW SIDE WITH 0.5m COVER UNLESS NOTED OTHERWISE.
  - ALL STORMWATER AND CONDUIT TRENCHES UNDER ROAD PAVEMENT, KERB & CHANNEL AND FOOTPATH SHALL BE BACKFILLED IN ACCORDANCE WITH THE IDM UNLESS STATED OTHERWISE.
  - REFER TO THE CERTIFIED PLAN OF SUBDIVISION FOR ALL EASEMENT WIDTHS, DO NOT SCALE FROM DRAWING.
  - STORMWATER DRAINS SHALL BE RCP FLUSH JOINTED CLASS 2 OR PVC CLASS SN8 UNLESS OTHERWISE SHOWN.
  - ALL RCP FLUSH JOINTED PIPES BELOW 600mm DIA ARE TO HAVE EXTERIOR MORTARED JOINTS. ALL PIPES 600 DIA AND GREATER ARE TO HAVE INTERIOR

- MORTAR JOINTS.
  - ALL PROPOSED DRAINAGE STUBS TO BE BLANKED OFF AT END OF PIPE WITH TIMBER PLANKS TO THE SATISFACTION OF THE SUPERVISING ENGINEER.
  - ALL CONDUIT LOCATIONS ARE TO BE STAMPED IN THE CONCRETE KERBING.
  - ALL CONCRETE IS TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 25MPa AT 28 DAYS.
  - ALL GRATES ARE TO BE HOT DIPPED GALVANISED.
  - 100mm DEEP CATCH DRAINS TO BE CONSTRUCTED ALONG ALL EASEMENT DRAINAGE AND DIRECTED TO LEGAL POINT OF DISCHARGE.
  - STEP IRONS ARE NOT TO BE INSTALLED IN ANY DRAINAGE PIT. ACCESS LIDS ARE TO BE LOCATED TO ENABLE REASONABLE ACCESS.
  - ALL HOUSE DRAIN CONNECTIONS TO REINFORCED CONCRETE PIPES ARE TO UTILISE "CONCONNECT" OR COUNCIL APPROVED EQUIVALENT PRODUCTS TO AVOID PIPE PROTRUSIONS INTO THE LARGER PIPE.
  - REFER ROAD LAYOUT PLANS FOR WATER & GAS ROAD SERVICE CONDUIT LOCATIONS. INTERSECTION DETAILS PLANS DO NOT SHOW CONDUITS.
  - ELECTRICITY & TELECOMMUNICATIONS CONDUITS SHOWN ON THESE PLANS ARE CONCEPTUAL ONLY. REFER TO ELECTRICITY & TELECOMMUNICATION PLANS FOR ACTUAL ROAD SERVICE CONDUIT LOCATIONS. IF THERE ARE ANY DISCREPANCIES BETWEEN THESE PLANS CONTACT SUPERINTENDENT FOR CLARIFICATION.
- ##### CONSTRUCTION HOLD POINTS
- CONSTRUCTION HOLD POINTS ARE TO BE IN ACCORDANCE WITH THE INFRASTRUCTURE DESIGN MANUAL.
- ##### EMERGENCY CONTACTS
- |                |                         |              |
|----------------|-------------------------|--------------|
| SERVICE        | AUTHORITY & CONTACT     | TELEPHONE    |
| DRAINAGE       | CITY OF GREATER BENDIGO | 5434 6000    |
| ELECTRICITY    | POWERCORP               | 132 412      |
| GAS            | SP AUSNET               | 136 707      |
| COMMUNICATIONS | TELSTRA                 | 132 203      |
| SEWER & WATER  | COLIBAN WATER           | 1300 363 200 |
- IN ANY EMERGENCY IF YOU BELIEVE LIFE OR PROPERTY IS THREATENED DO NOT HESITATE TO CONTACT STATE EMERGENCY SERVICES ON TELEPHONE 000.

B AMENDMENTS AS PER COUNCIL COMMENTS NJB JB AR 25/01/21  
 A AS SUBMITTED TO COUNCIL NJB JB AR 17/11/20

REV REVISION DES DWG CHK DATE

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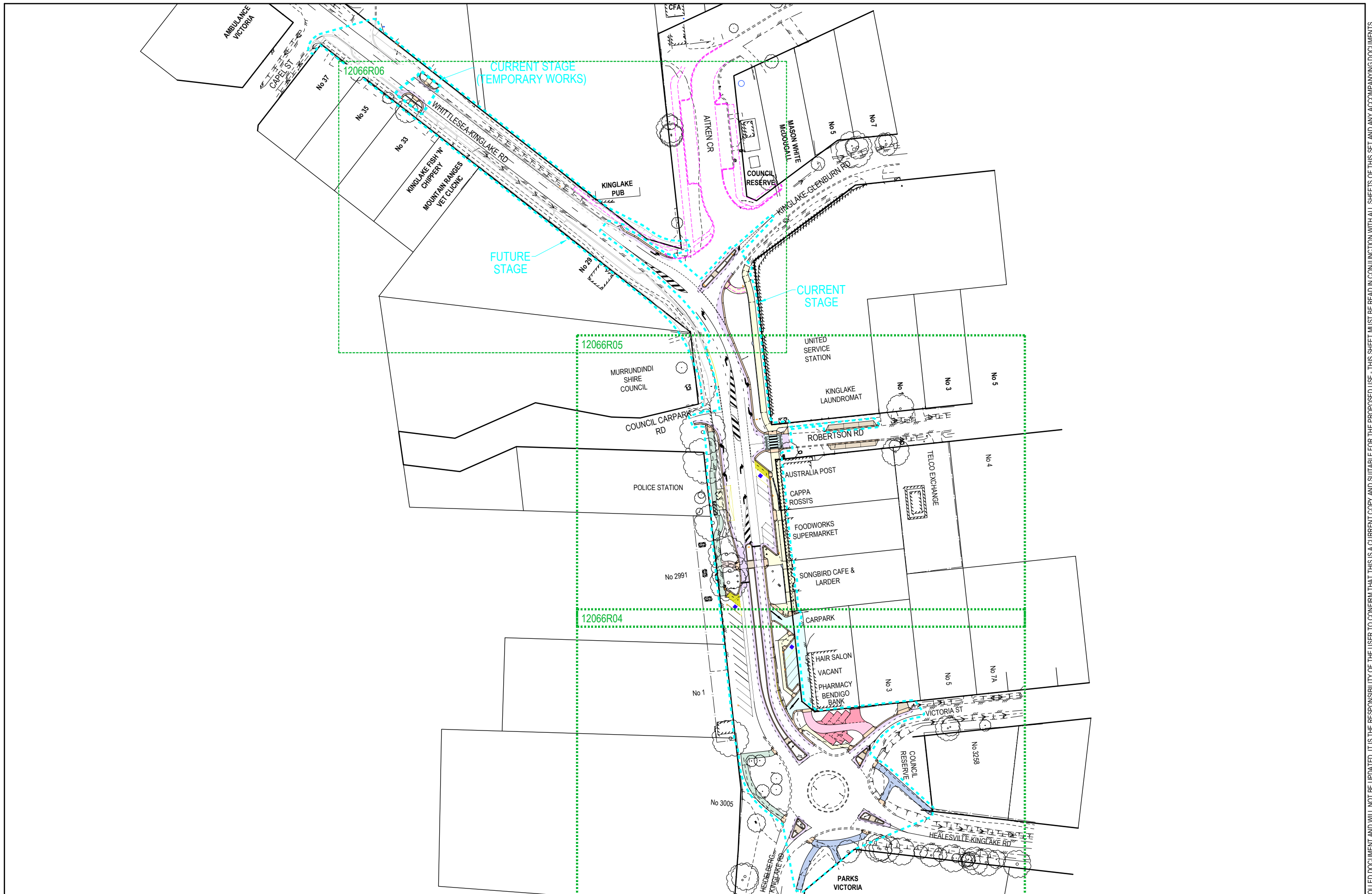
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**KINGLAKE STREETScape RENEWAL**  
**KINGLAKE**  
LOCALITY PLAN & GENERAL NOTES  
MURRINDINDI SHIRE COUNCIL  
COUNCIL REF: SF/2410  
DWG STATUS: **FOR TENDER** PROJECT & DWG No: 12066R01 / 26 B

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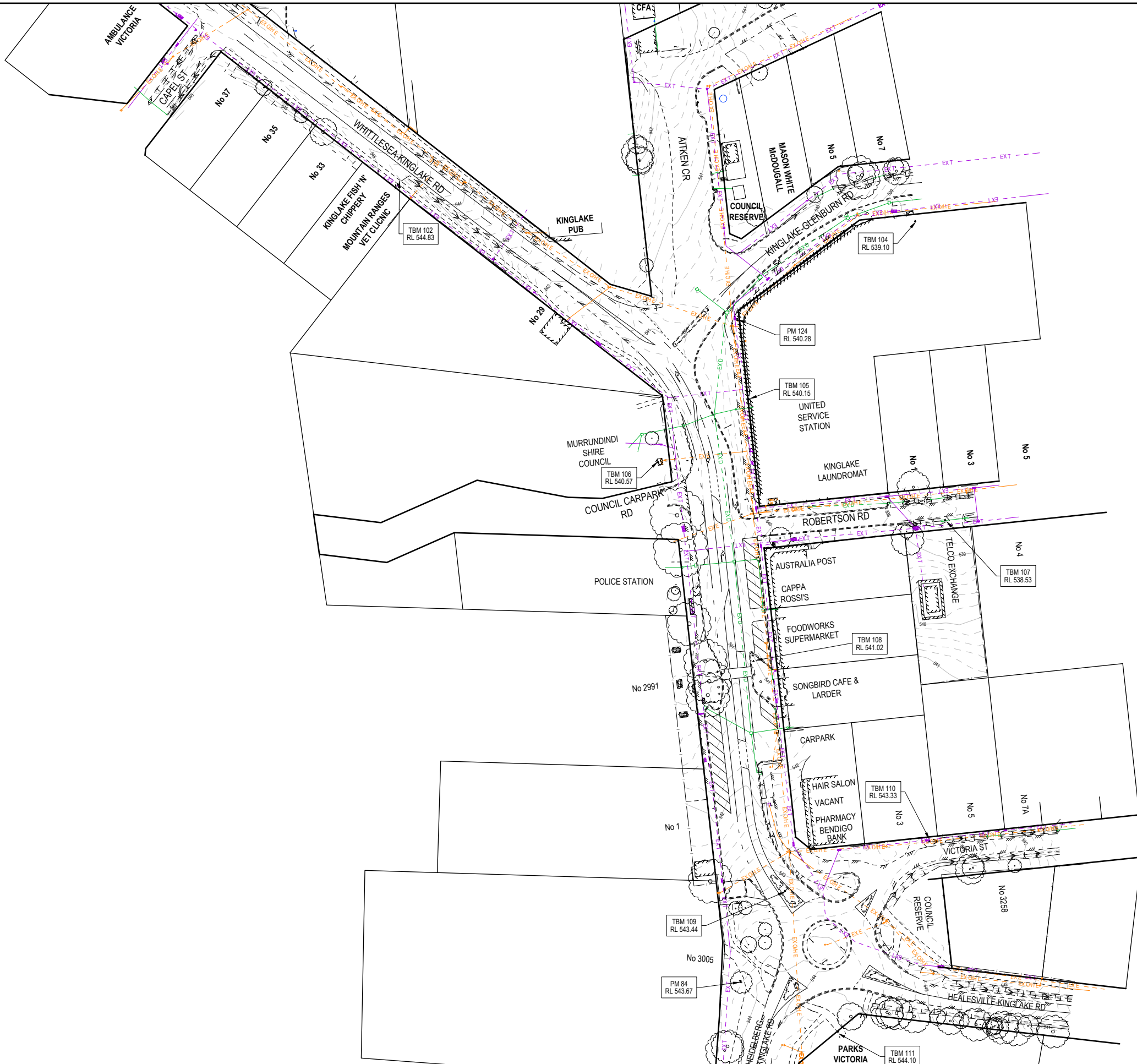
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**KINGSLAKE**  
**OVERALL DEVELOPMENT PLAN**  
 MURRINDINDI SHIRE COUNCIL  
 COUNCIL REF: SF/2410  
 DWG STATUS: **FOR TENDER**  
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 A AS SUBMITTED TO COUNCIL

NJB JB AR 25/01/21  
 NJB JB AR 17/11/20  
 DES DWG CHK DATE



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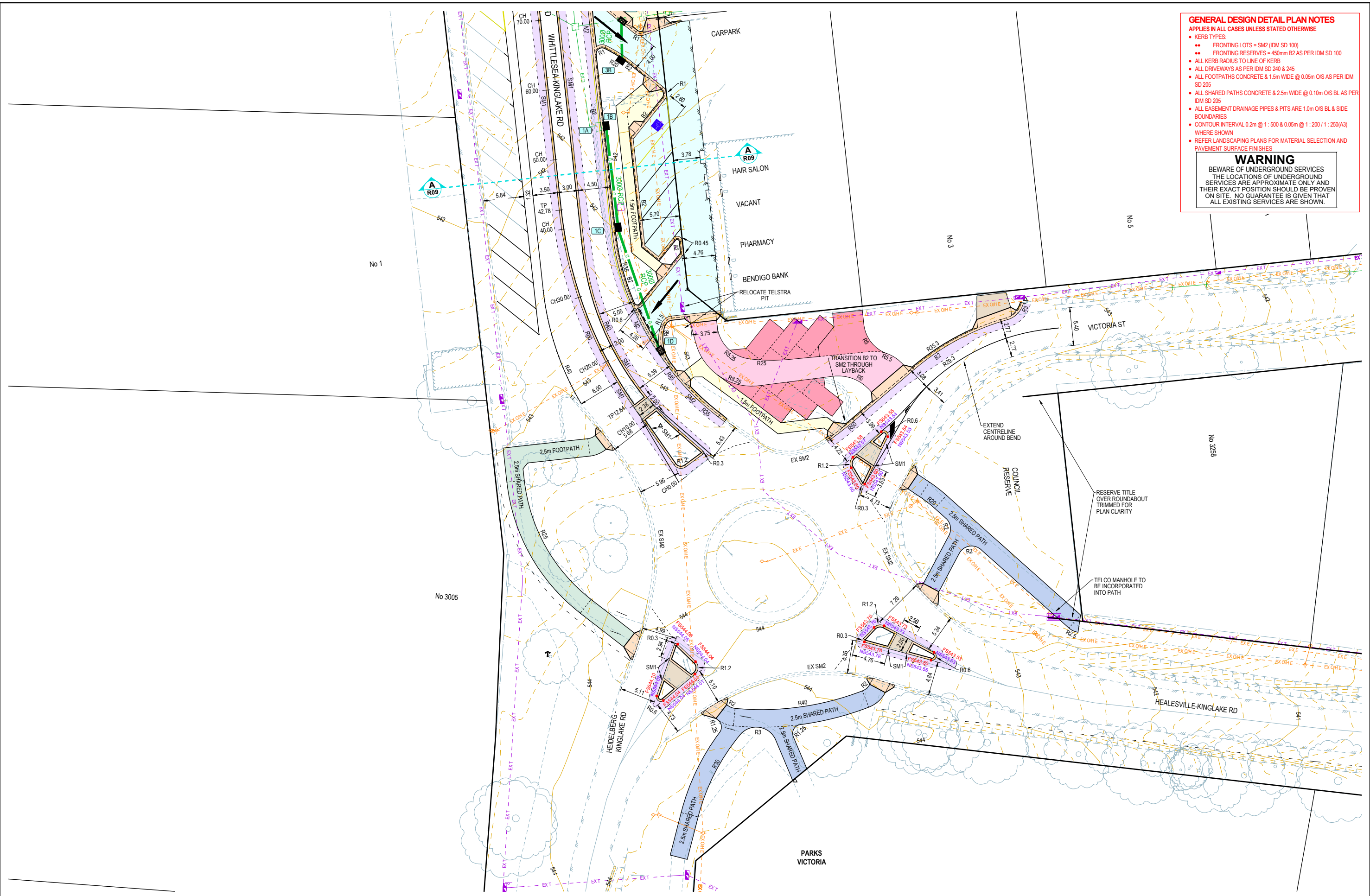
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**KINGLAKE STREETScape RENEWAL**  
**KINGLAKE**  
 EXISTING CONDITIONS PLAN  
 MURRINDINDI SHIRE COUNCIL  
 COUNCIL REF: SF/2410  
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- GENERAL DESIGN DETAIL PLAN NOTES**  
 APPLIES IN ALL CASES UNLESS STATED OTHERWISE
- KERB TYPES:
    - FRONTING LOTS = SM2 (DM SD 100)
    - FRONTING RESERVES = 450mm B2 AS PER IDM SD 100
  - ALL KERB RADIUS TO LINE OF KERB
  - ALL DRIVEWAYS AS PER IDM SD 240 & 245
  - ALL FOOTPATHS CONCRETE & 1.5m WIDE @ 0.05m O/S AS PER IDM SD 205
  - ALL SHARED PATHS CONCRETE & 2.5m WIDE @ 0.10m O/S BL AS PER IDM SD 205
  - ALL EASEMENT DRAINAGE PIPES & PITS ARE 1.0m O/S BL & SIDE BOUNDARIES
  - CONTOUR INTERVAL 0.2m @ 1:500 & 0.05m @ 1:200 / 1:250(A3) WHERE SHOWN
  - REFER LANDSCAPING PLANS FOR MATERIAL SELECTION AND PAVEMENT SURFACE FINISHES

**WARNING**  
 BEWARE OF UNDERGROUND SERVICES  
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A	AS SUBMITTED TO COUNCIL	NJB	JB	AR	17/11/20
REV	REVISION	DES	DWG	CHK	DATE

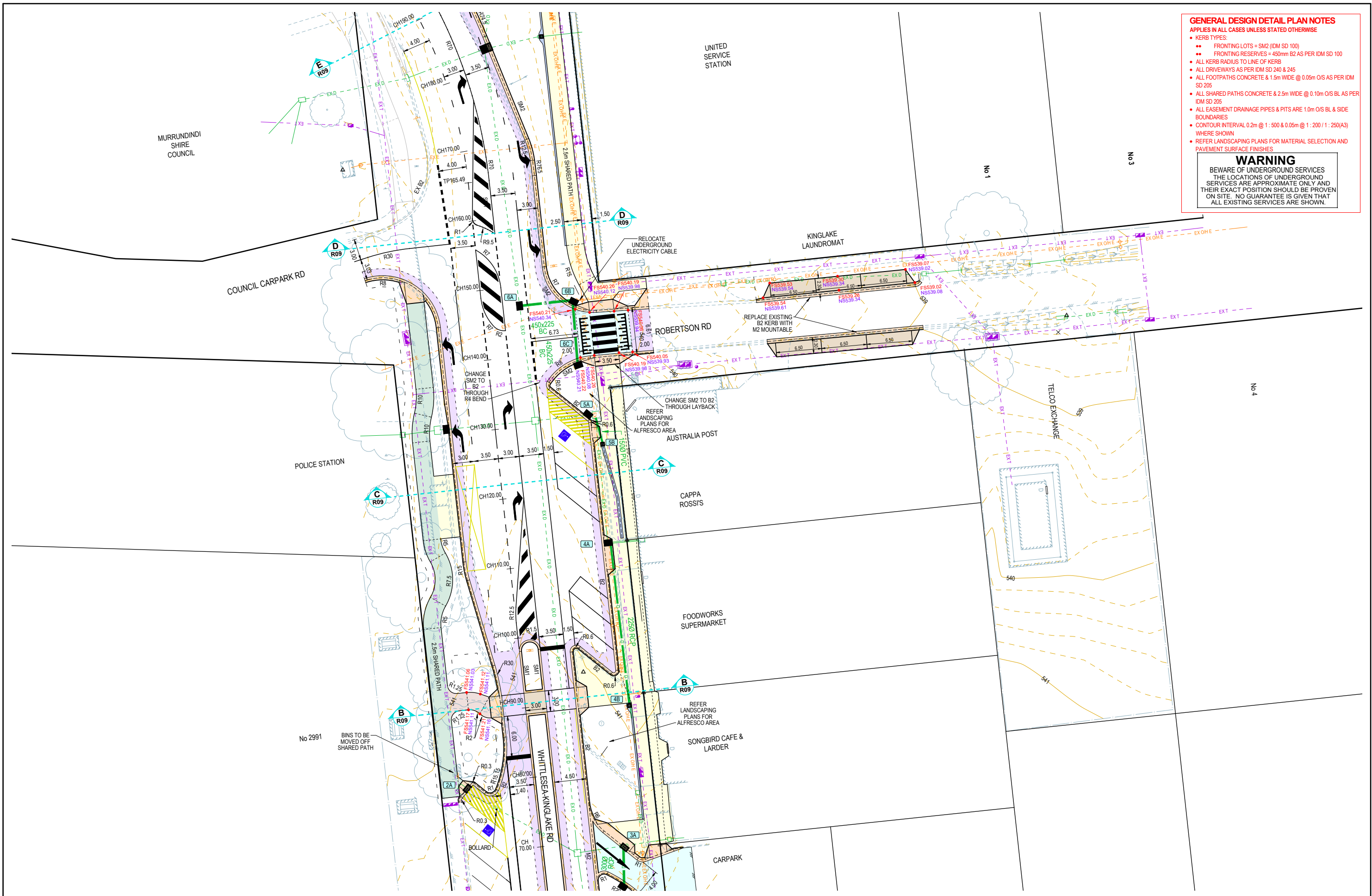


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**KINGLAKE STREETScape RENEWAL**  
**KINGLAKE**  
 DETAIL PLAN SHEET 1  
 MURRINDINDI SHIRE COUNCIL  
 COUNCIL REF: SF/2410  
 DWG STATUS: **FOR TENDER**  
 PROJECT & DWG No: 12066R04 / 26 B



**GENERAL DESIGN DETAIL PLAN NOTES**  
 APPLIES IN ALL CASES UNLESS STATED OTHERWISE

- KERB TYPES:
  - FRONTING LOTS = SM2 (DM SD 100)
  - FRONTING RESERVES = 450mm B2 AS PER IDM SD 100
- ALL KERB RADIUS TO LINE OF KERB
- ALL DRIVEWAYS AS PER IDM SD 240 & 245
- ALL FOOTPATHS CONCRETE & 1.5m WIDE @ 0.05m O/S AS PER IDM SD 205
- ALL SHARED PATHS CONCRETE & 2.5m WIDE @ 0.10m O/S BL AS PER IDM SD 205
- ALL EASEMENT DRAINAGE PIPES & PITS ARE 1.0m O/S BL & SIDE BOUNDARIES
- CONTOUR INTERVAL 0.2m @ 1:500 & 0.05m @ 1:200 / 1:250(A3) WHERE SHOWN
- REFER LANDSCAPING PLANS FOR MATERIAL SELECTION AND PAVEMENT SURFACE FINISHES

**WARNING**  
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A	AS SUBMITTED TO COUNCIL	NJB	JB	AR	17/11/20
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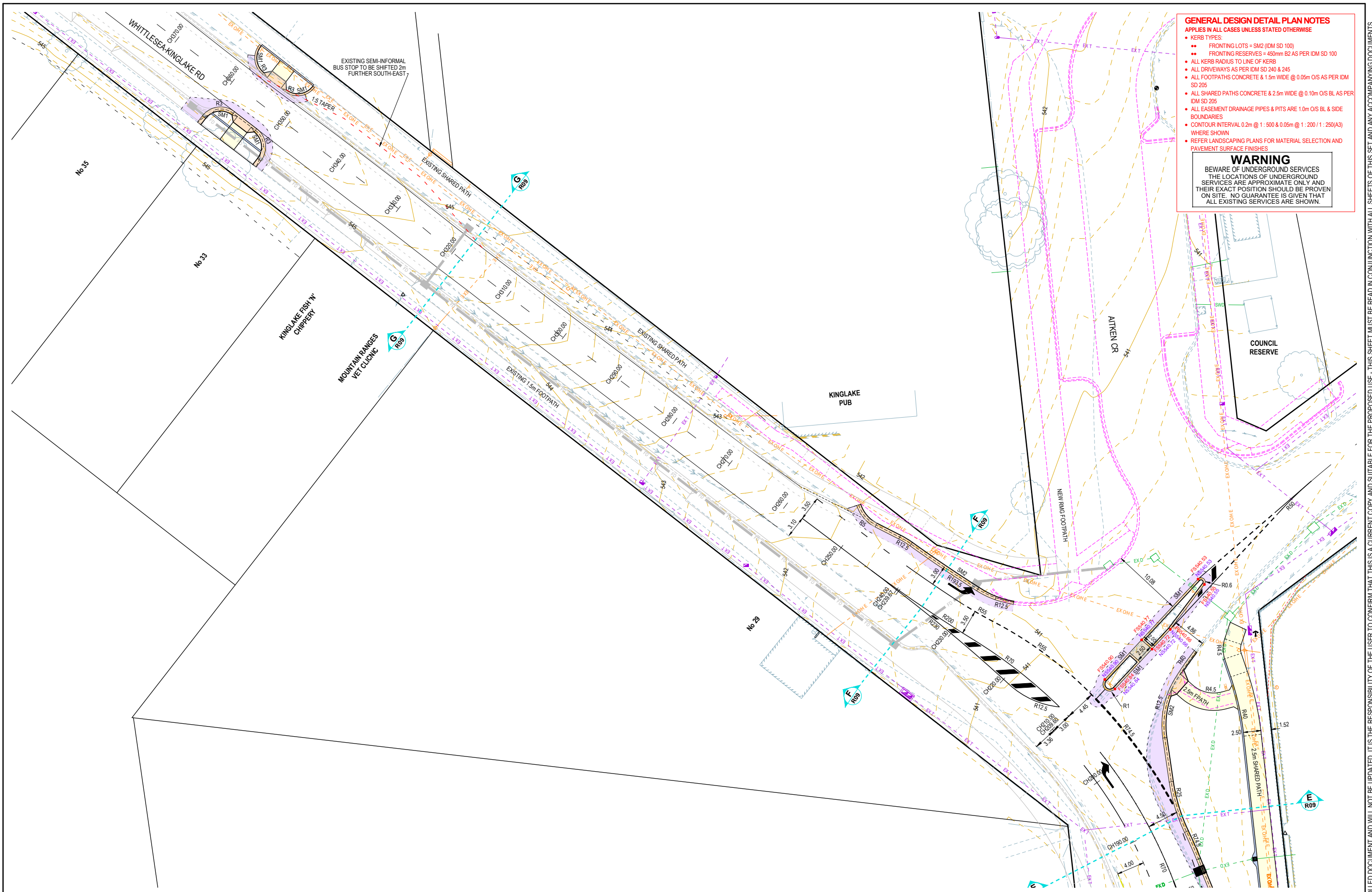
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**KINGLAKE STREETScape RENEWAL**  
**KINGLAKE**  
 DETAIL PLAN SHEET 2  
 MURRINDINDI SHIRE COUNCIL  
 COUNCIL REF: SF/2410  
 DWG STATUS: **FOR TENDER**  
 PROJECT & DWG No: 12066R05 / 26 B



**GENERAL DESIGN DETAIL PLAN NOTES**  
 APPLIES IN ALL CASES UNLESS STATED OTHERWISE

- KERB TYPES:
  - FRONTING LOTS = SM2 (DM SD 100)
  - FRONTING RESERVES = 450mm B2 AS PER IDM SD 100
- ALL KERB RADIUS TO LINE OF KERB
- ALL DRIVEWAYS AS PER IDM SD 240 & 245
- ALL FOOTPATHS CONCRETE & 1.5m WIDE @ 0.05m O/S AS PER IDM SD 205
- ALL SHARED PATHS CONCRETE & 2.5m WIDE @ 0.10m O/S BL AS PER IDM SD 205
- ALL EASEMENT DRAINAGE PIPES & PITS ARE 1.0m O/S BL & SIDE BOUNDARIES
- CONTOUR INTERVAL 0.2m @ 1:500 & 0.05m @ 1:200 / 1:250(A3) WHERE SHOWN
- REFER LANDSCAPING PLANS FOR MATERIAL SELECTION AND PAVEMENT SURFACE FINISHES

**WARNING**  
 BEWARE OF UNDERGROUND SERVICES  
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A	AS SUBMITTED TO COUNCIL	NJB	JB	AR	17/11/20
REV	REVISION	DES	DWG	CHK	DATE



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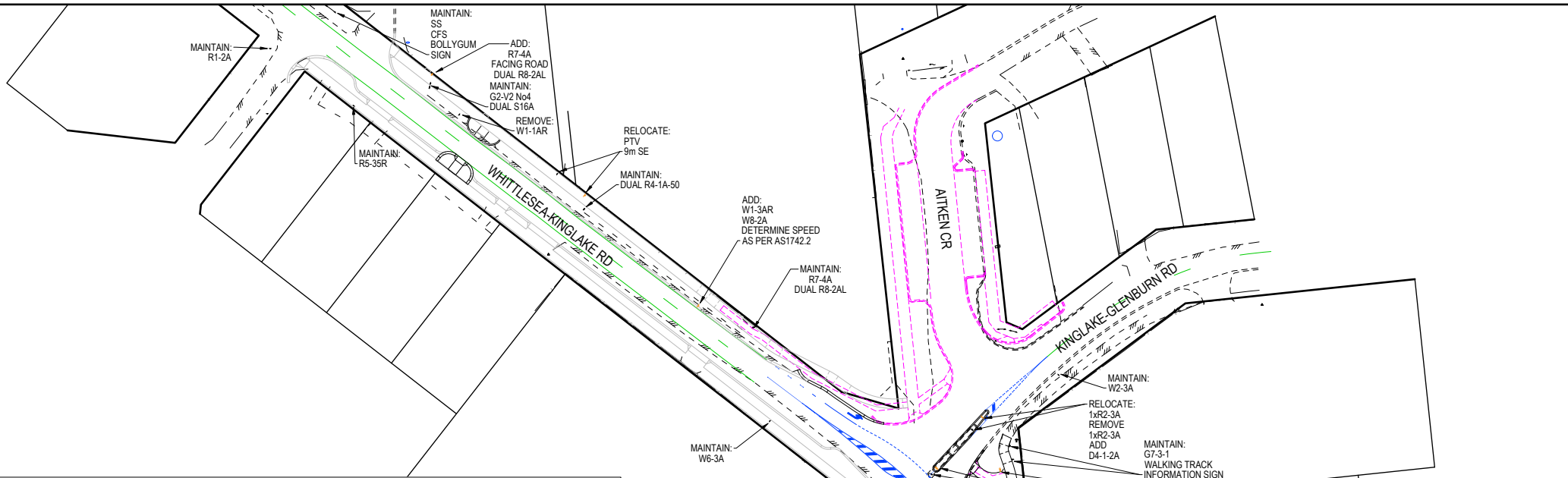
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**KINGLAKE STREETScape RENEWAL**  
**KINGLAKE**  
**DETAIL PLAN SHEET 3**  
 MURRINDINDI SHIRE COUNCIL  
 COUNCIL REF: SF/2410  
 DWG STATUS: **FOR TENDER**  
 PROJECT & DWG No: 12066R06 / 26

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# LEGEND

**LINEMARKING**

- NEW WHITE LINEMARKING
- NEW YELLOW LINEMARKING
- MAINTAIN LINEMARKING
- REMOVE | REDUNDANT LINEMARKING

**REGULATORY SIGNS**

- R5-10L R5-2L
- R5-10R R5-2R
- R5-31L R5-31R
- R5-35L R5-35R
- R5-36 R5-36
- R7-4A R7-4A
- R8-2A R8-2A
- D4-1-2A D4-1-2A
- D4-1-3L D4-1-3L
- D4-1-3R D4-1-3R
- D4-2-1 D4-2-1
- R4-4 R4-4
- R4-5 R4-5
- R4-10A R4-10A

**WARNING SIGNS**

- W1-1AR W1-1AR
- W1-3AL W1-3AL
- W1-3AR W1-3AR
- W2-3A W2-3A
- W6-3A W6-3A
- W8-2A W8-2A

**TOURIST SIGNS**

- G7-3-1 G7-3-1
- G7-3-1R G7-3-1R
- G7-3-1L G7-3-1L
- G7-7-1 G7-7-1
- S16A S16A

**HAZARD MARKERS**

- D4-1-2A D4-1-2A
- D4-1-3L D4-1-3L
- D4-2-1 D4-2-1

**U-TURN CUSTOM**

C746 Whittlesea  
Aitken Cr  
Glenburn Rd

**CARAVAN U-TURN**  
CUT (EXAMPLE)

**CFA SIGNS**

FIRE DANGER RATING  
PREPARE ACT SURVIVE  
CFA FIRE RATING

**GUIDE SIGNS**

C724 Healesville  
Victoria Rd  
C746 Hurstbridge

G1-V5-1  
G2-V2 No1  
G2-V2 No2  
G2-V2 No3  
G2-V2 No4

Hurstbridge Healesville C724 Whittlesea  
G2-V4

C724 Kinglake West Whittlesea Melbourne  
G4-V1

**PTV SIGNS**

PTV

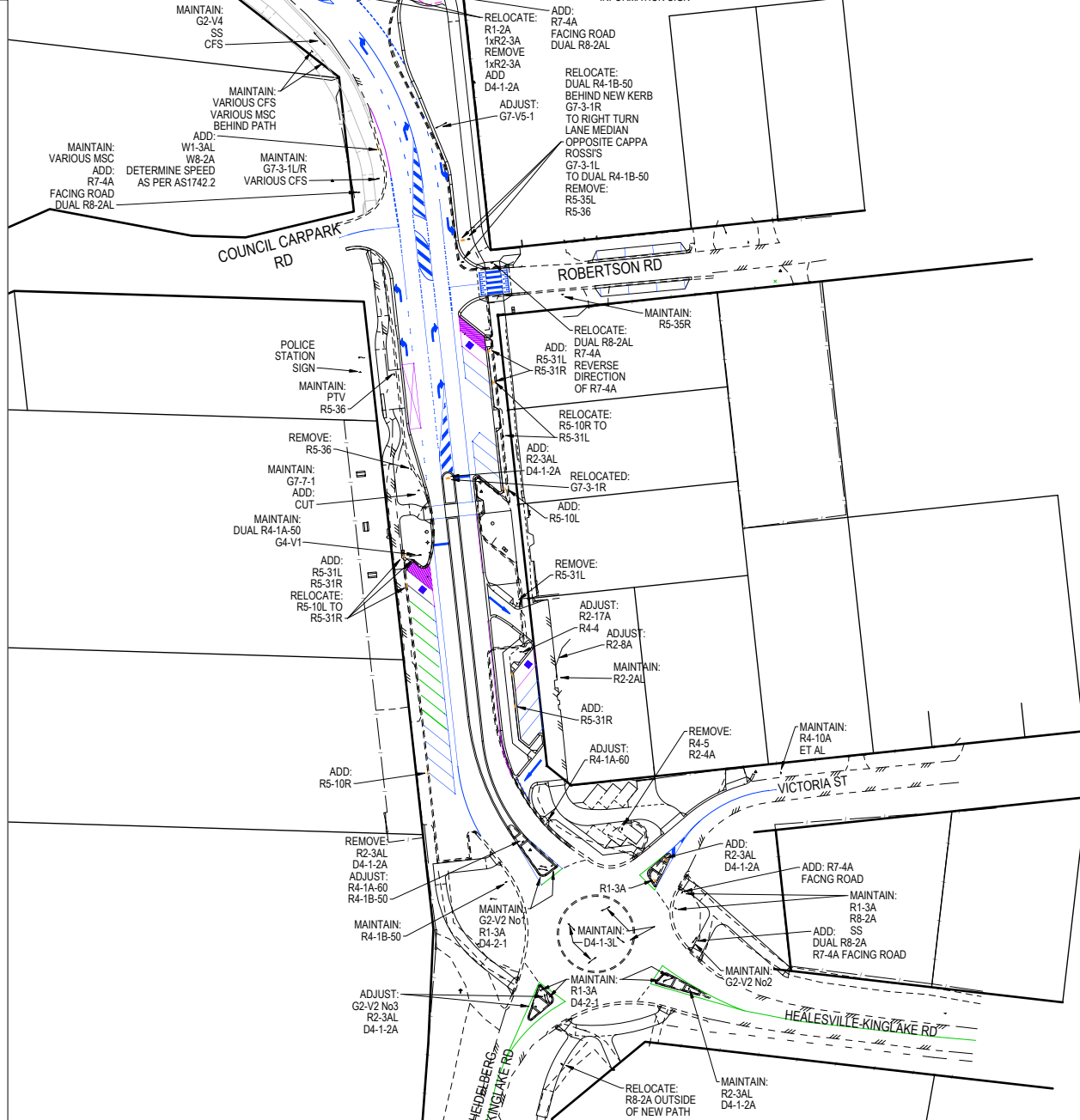
**STREET NAME SIGNS**

AITKEN CR  
SS (EXAMPLE)

**COMMUNITY FACILITY SIGNS**

KINGLAKE DISTRICT SERVICES CENTRE  
CFS (EXAMPLE)

KINGLAKE LIBRARY  
MSC (EXAMPLE)



B	AMENDMENTS AS PER COUNCIL COMMENTS	NJB	JB	AR	25/01/21
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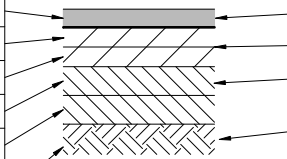
COMPASS ASSURANCE  
ISO 9001 QUALITY

**KINGLAKE STREETScape RENEWAL**  
**KINGLAKE**  
**SIGNAGE & LINEMARKING PLAN**  
MURRINDINDI SHIRE COUNCIL  
COUNCIL REF: SF/2410  
DWG STATUS: PROJECT & DWG No: REV:  
**FOR TENDER** 12066R07 / 26 B

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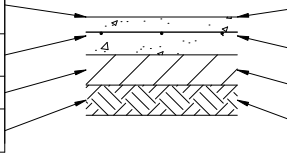
630mm DEPTH PAVEMENT		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
1 WEARING COURSE	30	SIZE 10 TYPE 'H' ASPHALT ON 7mm EMULSION PRIMERSEAL
2 UPPER BASE COURSE	150	20mm NOM. SIZE CLASS 1 FINE CRUSHED ROCK (SEE NOTE A BELOW)
3 LOWER BASE COURSE	150	20mm NOM. SIZE CLASS 1 FINE CRUSHED ROCK (SEE NOTE B BELOW)
4 UPPER SUBBASE COURSE	150	20mm NOM. SIZE CLASS 2 FINE CRUSHED ROCK (SEE NOTE C BELOW)
5 LOWER SUBBASE COURSE	150	20mm NOM. SIZE CLASS 3 FINE CRUSHED ROCK (SEE NOTE C BELOW)
6 SUBGRADE		SUBGRADE IMPROVEMENT AS DIRECTED BY SUPERINTENDENT

330mm DEPTH PAVEMENT		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
1 WEARING COURSE	30	SIZE 10 TYPE 'H' ASPHALT ON 7mm EMULSION PRIMERSEAL
2 BASE COURSE	150	20mm NOM. SIZE CLASS 2 FINE CRUSHED ROCK (SEE NOTE A BELOW)
3 SUBBASE COURSE	150	20mm NOM. SIZE CLASS 2 FINE CRUSHED ROCK (SEE NOTE C BELOW)
4 SUBGRADE		SUBGRADE IMPROVEMENT AS DIRECTED BY SUPERINTENDENT

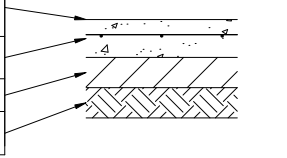


CONCRETE STD SINGLE PAVEMENT DETAILS (IDM SD205)		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
1 SURFACE FINISH		BROOMED FINISH & TOOLED JOINTS. FINISHED SURFACE TO COMPLY WITH AS 4586 - SLIP RESISTANT CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS
2 CONCRETE	125	CONCRETE 32MPa WITH SL82 TOP REINFORCEMENT WITH 50mm MIN. COVER.
3 BASE	100	20mm NOM. SIZE CLASS 3 FINE CRUSHED ROCK (SEE NOTE C BELOW)
4 SUBGRADE		SUBGRADE PREPARATION (SEE NOTES BELOW), SUBGRADE IMPROVEMENT AS DIRECTED BY SUPERINTENDENT

CONCRETE FOOTPATH & SHARED PATH PAVEMENT DETAILS (IDM SD 205)		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
1 SURFACE FINISH		BROOMED FINISH & TOOLED JOINTS. FINISHED SURFACE TO COMPLY WITH AS 4586 - SLIP RESISTANT CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS
2 CONCRETE	125	CONCRETE 32MPa WITH SL72 TOP REINFORCEMENT WITH 50mm MIN. COVER.
3 BASE	100	20mm NOM. SIZE CLASS 3 FINE CRUSHED ROCK (SEE NOTE C BELOW)
4 SUBGRADE		SUBGRADE PREPARATION (SEE NOTES BELOW), SUBGRADE IMPROVEMENT AS DIRECTED BY SUPERINTENDENT

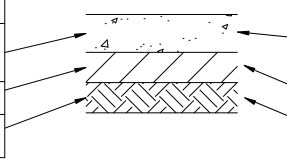


CONCRETE STD SINGLE & DOUBLE DRIVEWAY PAVEMENT DETAILS (IDM SD250)		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
1 SURFACE FINISH		BROOMED FINISH & TOOLED JOINTS. FINISHED SURFACE TO COMPLY WITH AS 4586 - SLIP RESISTANT CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS
2 CONCRETE	150	CONCRETE 32MPa WITH SL82 TOP REINFORCEMENT WITH 50mm MIN. COVER.
3 BASE	100	20mm NOM. SIZE CLASS 3 FINE CRUSHED ROCK (SEE NOTE C BELOW)
4 SUBGRADE		SUBGRADE PREPARATION (SEE NOTES BELOW), SUBGRADE IMPROVEMENT AS DIRECTED BY SUPERINTENDENT

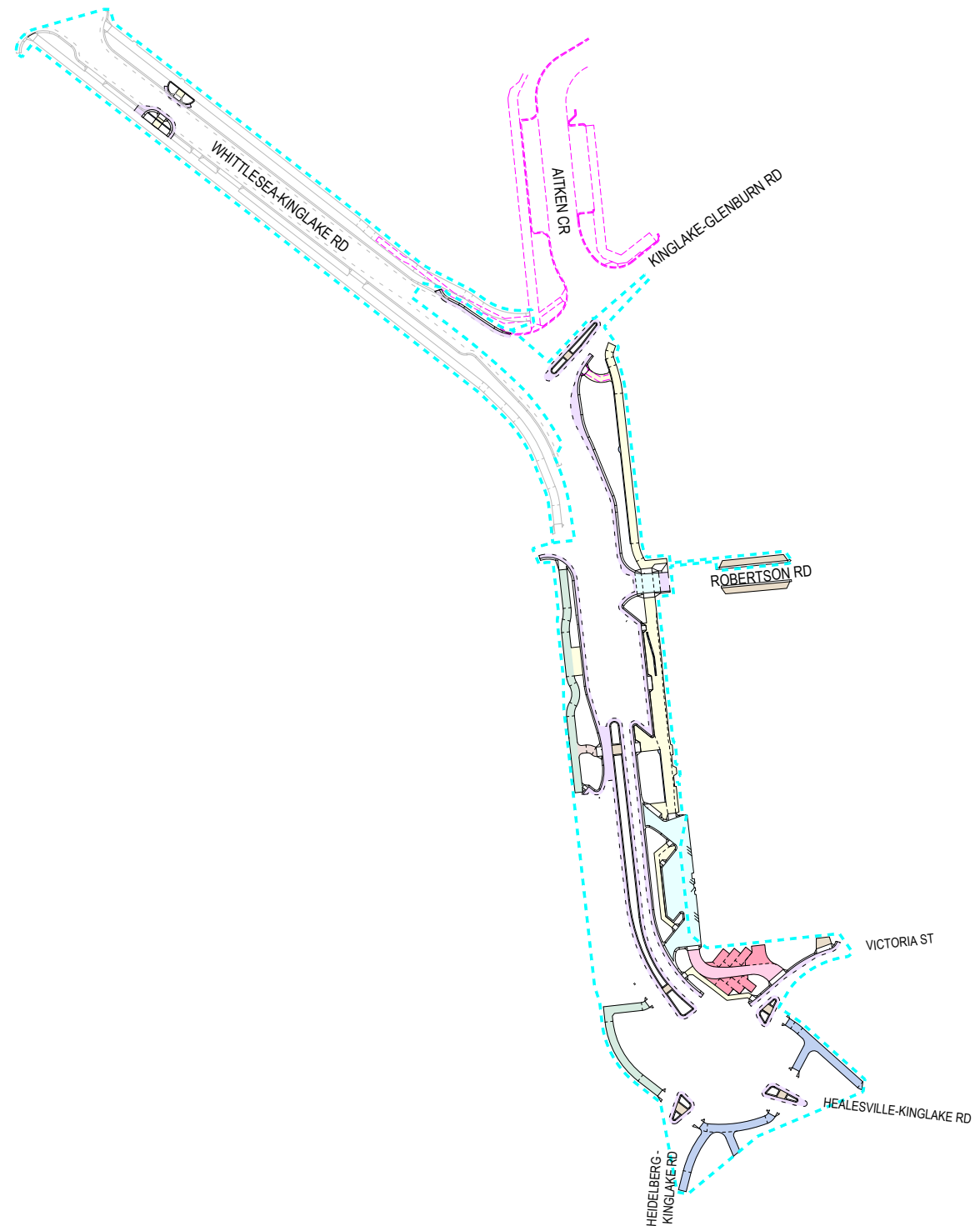


PAVEMENT DESIGN  
SUBJECT TO  
GEOTECHNICAL  
INVESTIGATION

PERMEABLE ASPHALT PATH		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
1 WEARING COURSE	75	COMPACTED PERMEABLE ASPHALT (SIZE 7mm)
2 BASE	75	COMPACTED 14mm AGGREGATE BEDDING
3 SUBGRADE		SUBGRADE PREPARATION (SEE NOTES BELOW), SUBGRADE IMPROVEMENT AS DIRECTED BY SUPERINTENDENT



ASPHALT FOOTPATH		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
1 WEARING COURSE	30	COMPACTED ASPHALT (SIZE 7mm)
2 BASE	100	20mm CLASS 2 FCR COMPACTED TO 90% MODIFIED
3 SUBGRADE		SUBGRADE PREPARATION (SEE NOTES BELOW), SUBGRADE IMPROVEMENT AS DIRECTED BY SUPERINTENDENT



- PAVEMENT NOTES:**
- PAVEMENT UPPER BASE COURSES ARE TO BE COMPACTED TO A MINIMUM DRY DENSITY RATIO OF 100% MODIFIED WITH MOISTURE CONTENT WITHIN ±3% OF MODIFIED OPTIMUM MOISTURE CONTENT (MOMC).
  - PAVEMENT LOWER BASE COURSES ARE TO BE COMPACTED TO A MINIMUM DRY DENSITY RATIO OF 99% MODIFIED WITH MOISTURE CONTENT WITHIN ±3% OF MODIFIED OPTIMUM MOISTURE CONTENT (MOMC).
  - PAVEMENT SUBBASE COURSES ARE TO BE COMPACTED TO A MINIMUM DRY DENSITY RATIO OF 98% MODIFIED WITH MOISTURE CONTENT WITHIN ±3% OF MODIFIED OPTIMUM MOISTURE CONTENT (MOMC) OR AS DIRECTED BY THE SUPERINTENDENT.
  - PAVEMENT LAYERS SHOULD BE PLACED AND COMPACTED IN LAYERS NOT EXCEEDING 200mm THICKNESS.
  - SUBGRADE PREPARATION AND ENGINEERED FILL CONSTRUCTION (PAVEMENTS) TO BE IN ACCORDANCE WITH RELEVANT STANDARDS.
  - WHEN PAVEMENT EXCAVATION IS IN ROCK, ALL LOOSE MATERIAL (INCL' ROCK & CLAY) MUST BE REMOVED. THE SUBGRADE MUST THEN BE REGULATED WITH COUNCIL APPROVED MATERIAL.
  - PRIOR TO PLACEMENT OF THE FILL MATERIAL UNDER NEW PAVEMENT, APPROVAL OF THE MATERIAL TO BE USED MUST BE OBTAINED FROM RELEVANT AUTHORITY.
  - REFER LANDSCAPING PLANS FOR PAVEMENT SURFACE FINISHES.

B AMENDMENTS AS PER COUNCIL COMMENTS	NJB	JB	AR	25/01/21
A AS SUBMITTED TO COUNCIL	NJB	JB	AR	17/11/20
REV	DES	DWG	CHK	DATE



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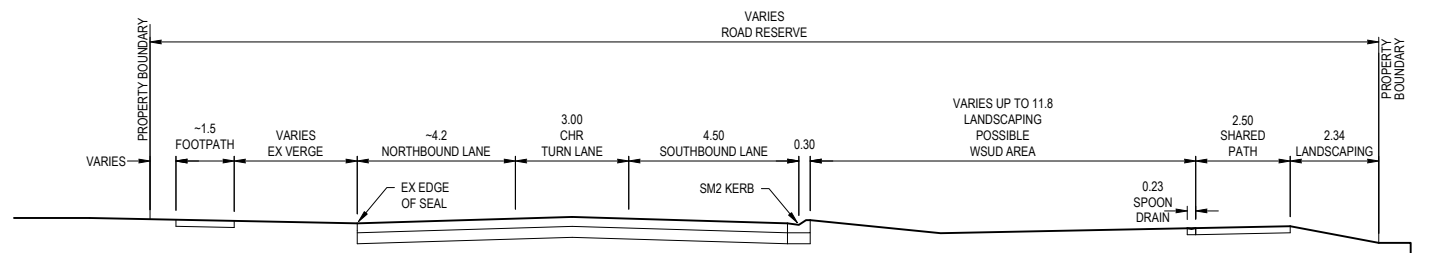
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ISO 9001 QUALITY

**KINGLAKE STREETScape RENEWAL**  
**KINGLAKE PAVEMENT DETAIL**  
MURRINDINDI SHIRE COUNCIL  
COUNCIL REF: SF/2410  
DWG STATUS: **FOR TENDER**  
PROJECT & DWG No: 12066R08 / 26 B

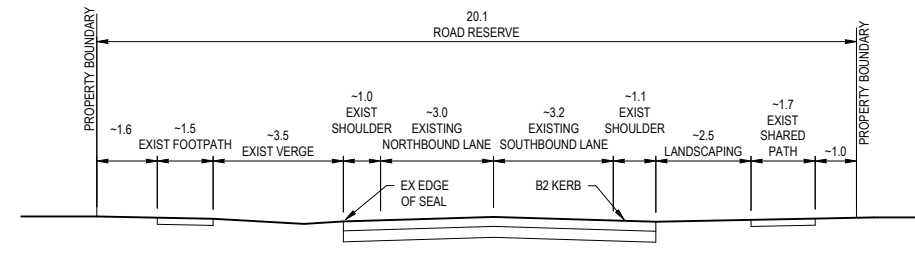
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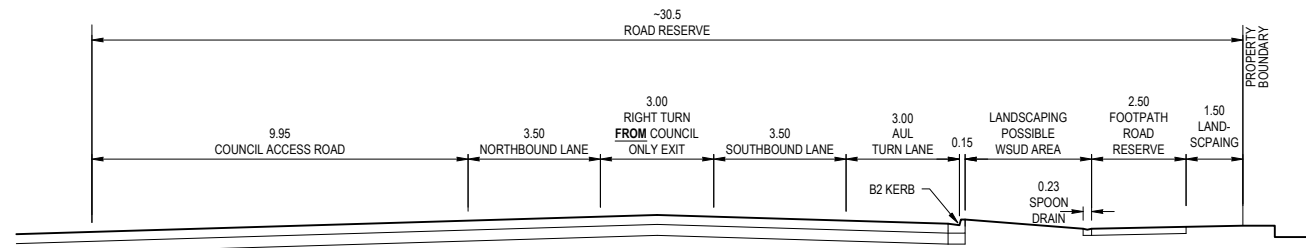
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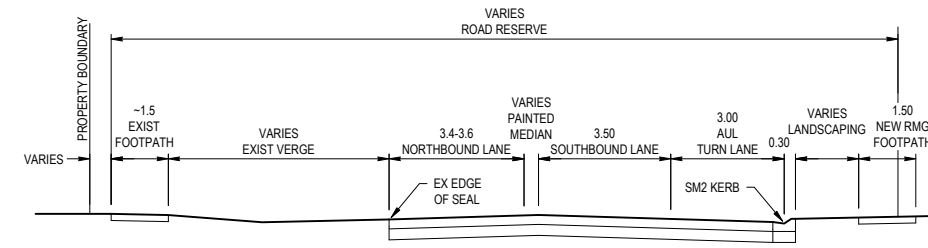
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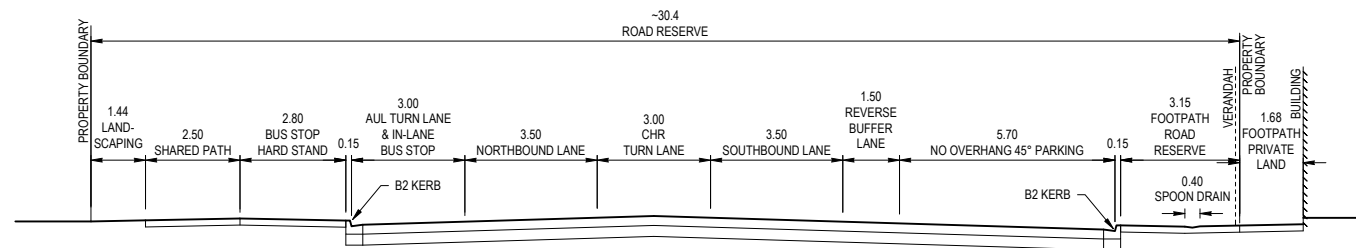
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SCALE 1:200



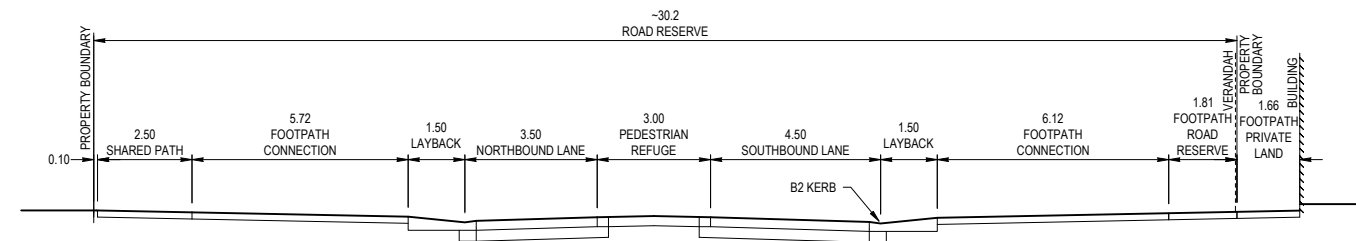
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SCALE 1:200



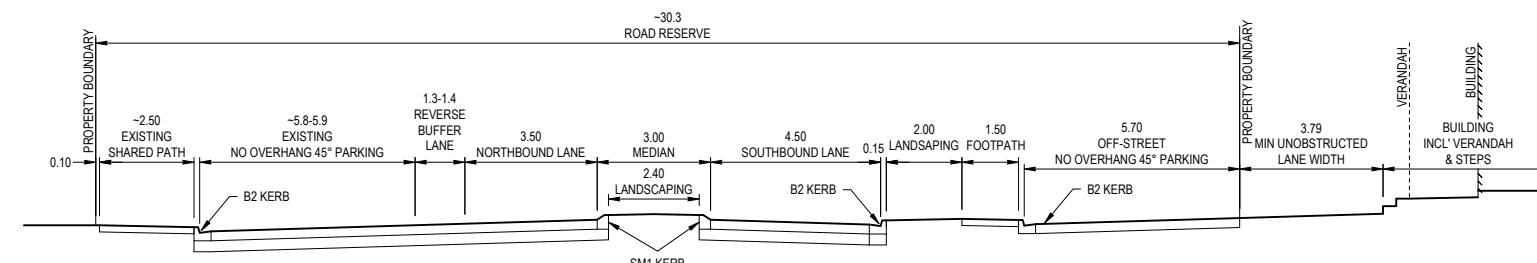
TYPICAL ROAD SECTION F-F  
SCALE 1:200



TYPICAL ROAD SECTION C-C  
SCALE 1:200



TYPICAL ROAD SECTION B-B  
SCALE 1:200



TYPICAL ROAD SECTION A-A  
SCALE 1:200

B	AMENDMENTS AS PER COUNCIL COMMENTS	NJB	JB	AR	25/01/21
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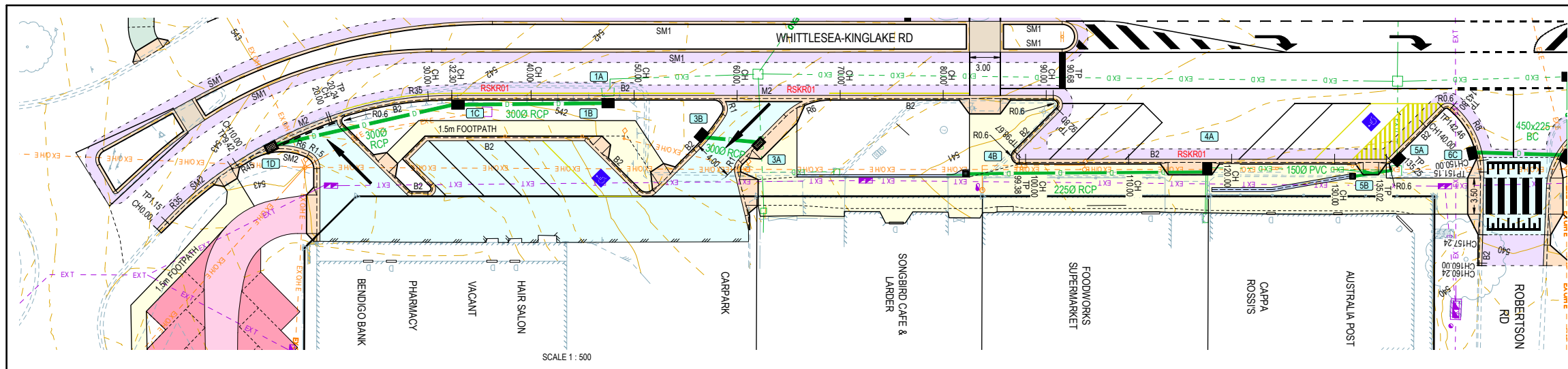
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**KINGLAKE**  
TYPICAL SECTIONS  
MURRINDINDI SHIRE COUNCIL  
COUNCIL REF: SF/2410  
DWG STATUS: **FOR TENDER**  
PROJECT & DWG No: 12066R09 / 26

REV: B

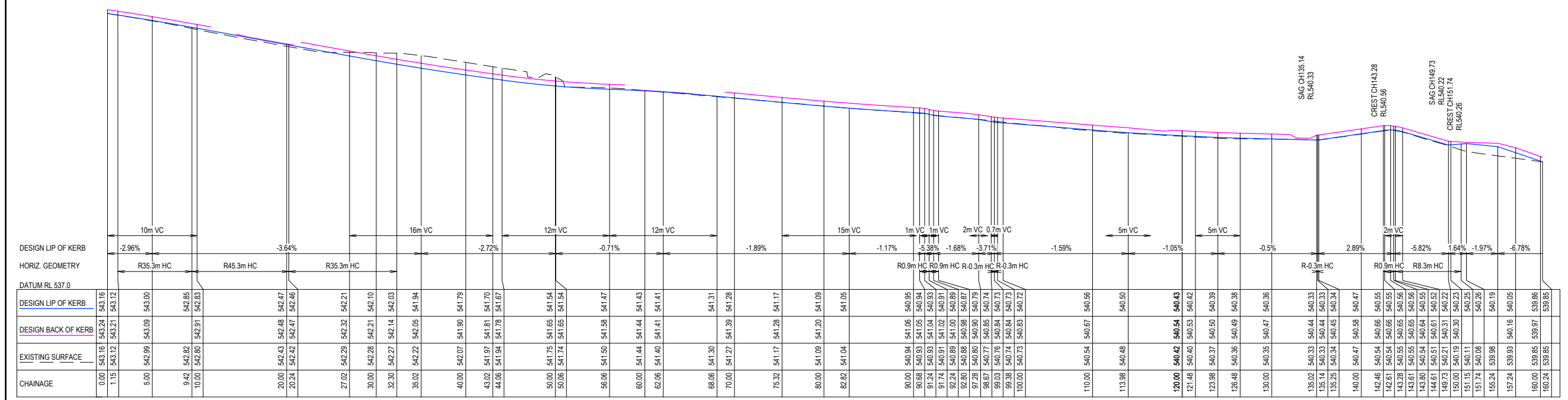




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 APPLIES IN ALL CASES UNLESS STATED OTHERWISE

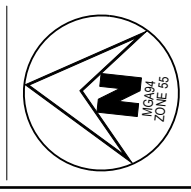
- KERB TYPES:
  - FRONTING LOTS = SM2 (DM SD 100)
  - FRONING RESERVES = 450mm B2 AS PER IDM SD 100
- ALL KERB RADIUS TO LINE OF KERB
- ALL DRIVEWAYS AS PER IDM SD 240 & 245
- ALL FOOTPATHS CONCRETE & 1.5m WIDE @ 0.05m O/S AS PER IDM SD 205
- ALL SHARED PATHS CONCRETE & 2.5m WIDE @ 0.10m O/S BL AS PER IDM SD 205
- ALL EASEMENT DRAINAGE PIPES & PITTS ARE 1.0m O/S BL & SIDE BOUNDARIES
- CONTOUR INTERVAL 0.2m @ 1:500 & 0.05m @ 1:200 / 1:250(A3) WHERE SHOWN
- REFER LANDSCAPING PLANS FOR MATERIAL SELECTION AND PAVEMENT SURFACE FINISHES

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**RSKR01**  
 SCALE H 1 : 500 V 1 : 100

B	AMENDMENTS AS PER COUNCIL COMMENTS	NJB	JB	AR	25/01/21
A	AS SUBMITTED TO COUNCIL	NJB	JB	AR	17/11/20
REV	REVISION	DES	DWG	CHK	DATE



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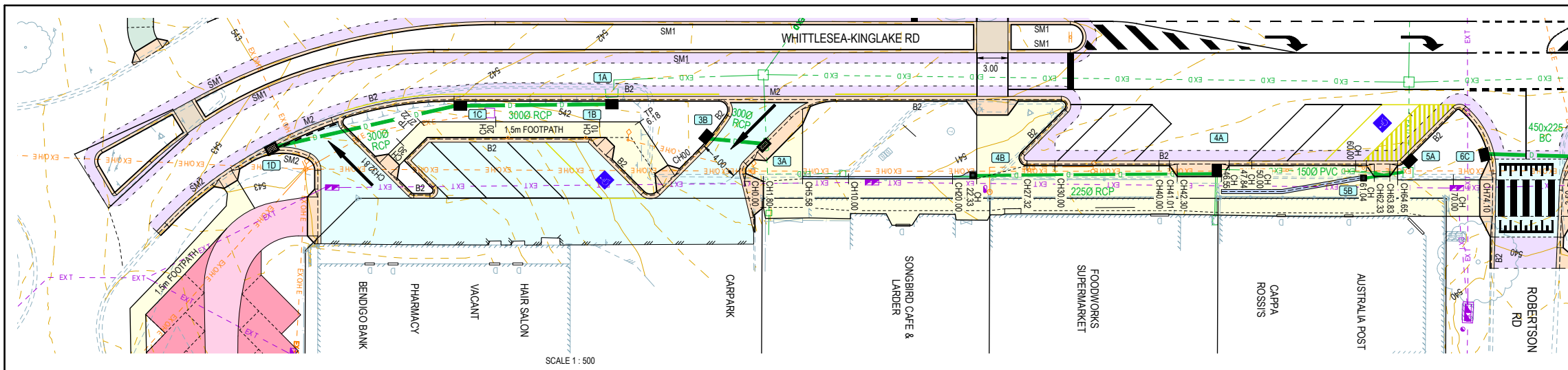
**KINGLAKE STREETScape RENEWAL**  
**KINGLAKE**  
**RSKR01 PLAN & LONG SECTIONS**  
 MURRINDINDI SHIRE COUNCIL  
 COUNCIL REF: SF/2410

DWG STATUS:  
**FOR TENDER**

PROJECT & DWG No:  
**12066R11 / 26**

REV: B

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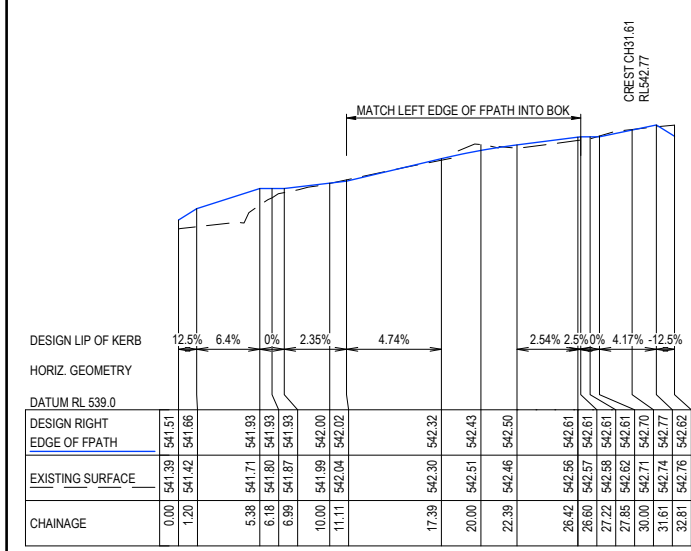


**GENERAL DESIGN DETAIL PLAN NOTES**  
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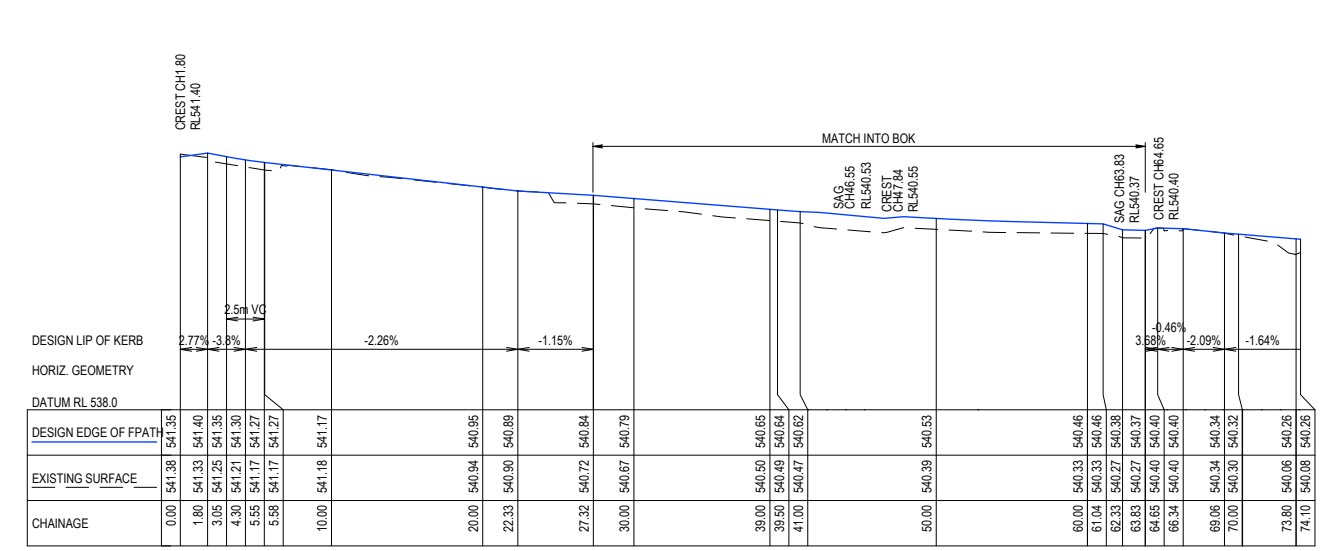
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- ALL EASEMENT DRAINAGE PIPES & PITS ARE 1.0m O/S BL & SIDE BOUNDARIES
- CONTOUR INTERVAL 0.2m @ 1:500 & 0.05m @ 1:200 / 1:250(A3) WHERE SHOWN
- REFER LANDSCAPING PLANS FOR MATERIAL SELECTION AND PAVEMENT SURFACE FINISHES

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SCALE 1 : 500



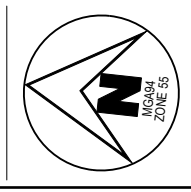
RSPRB01  
 SCALE H 1 : 250 V 1 : 50



RSPR02  
 SCALE H 1 : 500 V 1 : 100

B AMENDMENTS AS PER COUNCIL COMMENTS  
 A AS SUBMITTED TO COUNCIL

REV	DES	DWG	CHK	DATE
	NJB	JB	AR	25/01/21
	NJB	JB	AR	17/11/20



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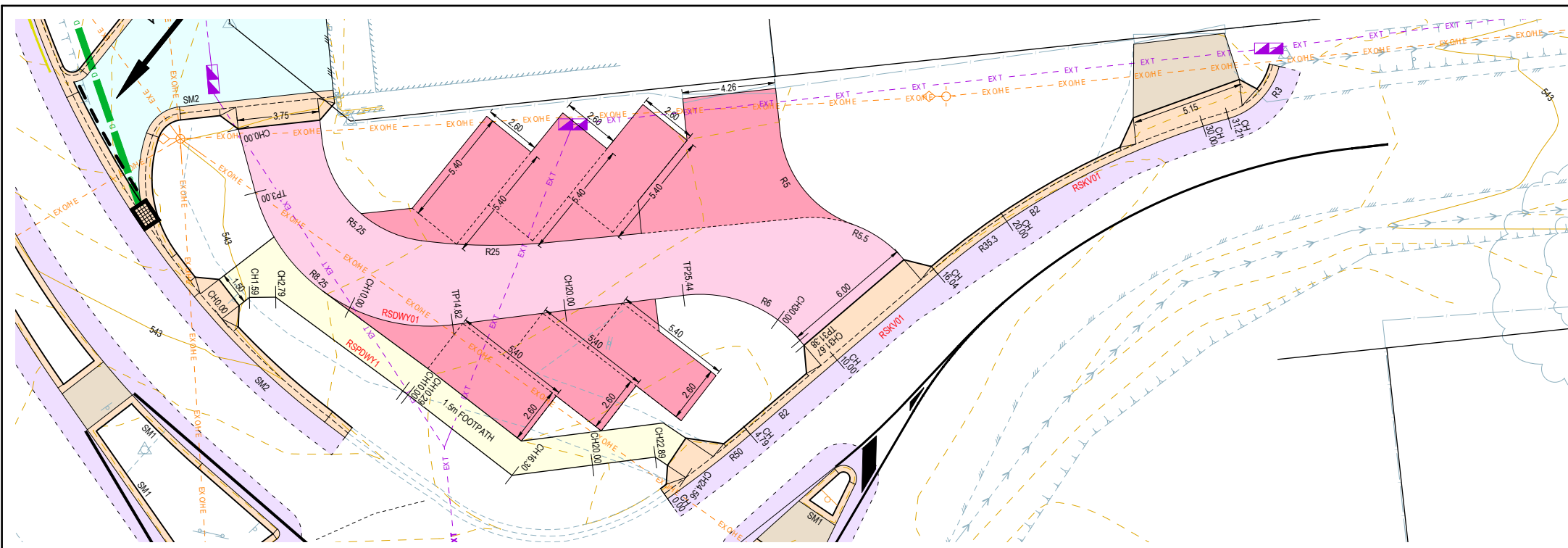
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COMPASS ASSURANCE  
 ISO 9001 QUALITY

**KINGLAKE STREETScape RENEWAL**  
**KINGLAKE**  
 RSPRB01 & RSPR02 PLAN & LONG SECTIONS  
 MURRINDINDI SHIRE COUNCIL  
 COUNCIL REF: SF/2410

DWG STATUS: **FOR TENDER**  
 PROJECT & DWG No: 12066R12 / 26 B

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 PLOT DATE: 27/01/2021 FILE: C:\TZD\DATA\TOMKINSON\12066R12\2066R12\MURRINDINDI\SHIRE COUNCIL\_KINGLAKE\_1346186160000\CURRENT\12066R12\CTN PLANS REV B.DWG



**GENERAL DESIGN DETAIL PLAN NOTES**  
 APPLIES IN ALL CASES UNLESS STATED OTHERWISE

- KERB TYPES:
  - FRONTING LOTS = SM2 (DM SD 100)
  - FRONTING RESERVES = 450mm B2 AS PER DM SD 100
- ALL KERB RADIUS TO LINE OF KERB
- ALL DRIVEWAYS AS PER DM SD 240 & 245
- ALL FOOTPATHS CONCRETE & 1.5m WIDE @ 0.05m O/S AS PER DM SD 205
- ALL SHARED PATHS CONCRETE & 2.5m WIDE @ 0.10m O/S BL AS PER DM SD 205
- ALL EASEMENT DRAINAGE PIPES & PITS ARE 1.0m O/S BL & SIDE BOUNDARIES
- CONTOUR INTERVAL 0.2m @ 1:500 & 0.05m @ 1:200 / 1:250(A3) WHERE SHOWN
- REFER LANDSCAPING PLANS FOR MATERIAL SELECTION AND PAVEMENT SURFACE FINISHES

**WARNING**  
 BEWARE OF UNDERGROUND SERVICES  
 THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

SCALE 1 : 250

CREST CH22.89  
 RL 543.62

CHAINAGE	0.00	1.00	1.59	2.79	6.76	10.00	10.29	15.68	16.30	16.92	20.00	22.89	23.56	24.56	
DESIGN LIP OF KERB	12.5%	11.23%	1.77%	4%	4.03%	0%	0.73%	-2.66%	-2.5%						
HORIZ. GEOMETRY															
DATUM RL 541.0															
DESIGN EDGE OF FPAT	542.87	542.99	543.01	543.14	543.21	543.34	543.35	543.57	543.57	543.57	543.59	543.62	543.60	543.47	
EXISTING SURFACE	542.88	543.08	543.05	543.06	543.24	543.45	543.47	543.61	543.62	543.65	543.67	543.64	543.62	543.48	

**RSPDWY1**  
 SCALE H 1 : 250 V 1 : 50

CHAINAGE	0.00	2.00	2.50	3.00	4.00	5.00	6.00	8.00	10.00	12.00	14.00	14.82	16.00	18.00	20.00	22.00	24.00	25.44	30.00	31.38	31.67		
DESIGN LIP OF KERB		3.48%	R-8.25m HC										1.67%	R6m HC									
HORIZ. GEOMETRY																							
DATUM RL 542.0																							
DESIGN C.L.	543.01	543.07	543.08	543.10	543.12	543.14	543.15	543.19	543.22	543.25	543.29	543.30	543.32	543.35	543.39	543.42	543.45	543.48	543.56	543.58	543.58	543.58	
DESIGN LEFT EDGE OF DWY																							
EXISTING SURFACE	543.02	543.04	543.05	543.11	543.12	543.14	543.15	543.09	543.13	543.19	543.24	543.24	543.24	543.26	543.30	543.33	543.36	543.38	543.49	543.50	543.55	543.58	

**RSDWY01**  
 SCALE H 1 : 250 V 1 : 50

CHAINAGE	0.00	2.00	4.00	4.79	6.00	8.00	10.00	12.00	14.00	16.00	16.04	18.00	20.00	22.00	24.00	30.00	31.21	31.41	32.91	34.41	34.68	
DESIGN LIP OF KERB					-0.5%																	
HORIZ. GEOMETRY																						
DATUM RL 542.0																						
DESIGN LIP OF KERB	543.52	543.51	543.50	543.50	543.49	543.48	543.47	543.46	543.45	543.44	543.44	543.43	543.42	543.41	543.40	543.37	543.36	543.36	543.34	543.28	543.26	
DESIGN BACK OF KERB	543.60	543.61	543.61	543.61	543.60	543.59	543.58	543.57	543.56	543.55	543.55	543.54	543.53	543.52	543.51	543.49	543.49	543.49	543.49	543.39	543.39	
EXISTING SURFACE	543.52	543.51	543.51	543.51	543.49	543.48	543.47	543.46	543.45	543.44	543.44	543.43	543.42	543.41	543.40	543.39	543.38	543.38	543.33	543.27	543.26	

**RSKV01**  
 SCALE H 1 : 250 V 1 : 50

B AMENDMENTS AS PER COUNCIL COMMENTS  
 A AS SUBMITTED TO COUNCIL

REVISION

NO.	DATE	BY	CHK
NJB	25/01/21	JB	AR
NJB	17/11/20	JB	AR

DES DWG CHK DATE



SCALE H 1:250 V 1:50

0 2.5 5 7.5 10 12.5 H

0 0.5 1 1.5 2.0 2.5 V

LENGTHS ARE IN METRES - PAPER SIZE A3

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**KINGLAKE STREETScape RENEWAL**  
**KINGLAKE**  
**RSPDWY1 RSDWY01 & RSKV01 PLAN & LS**  
 MURRINDINDI SHIRE COUNCIL  
 COUNCIL REF: SF/2410

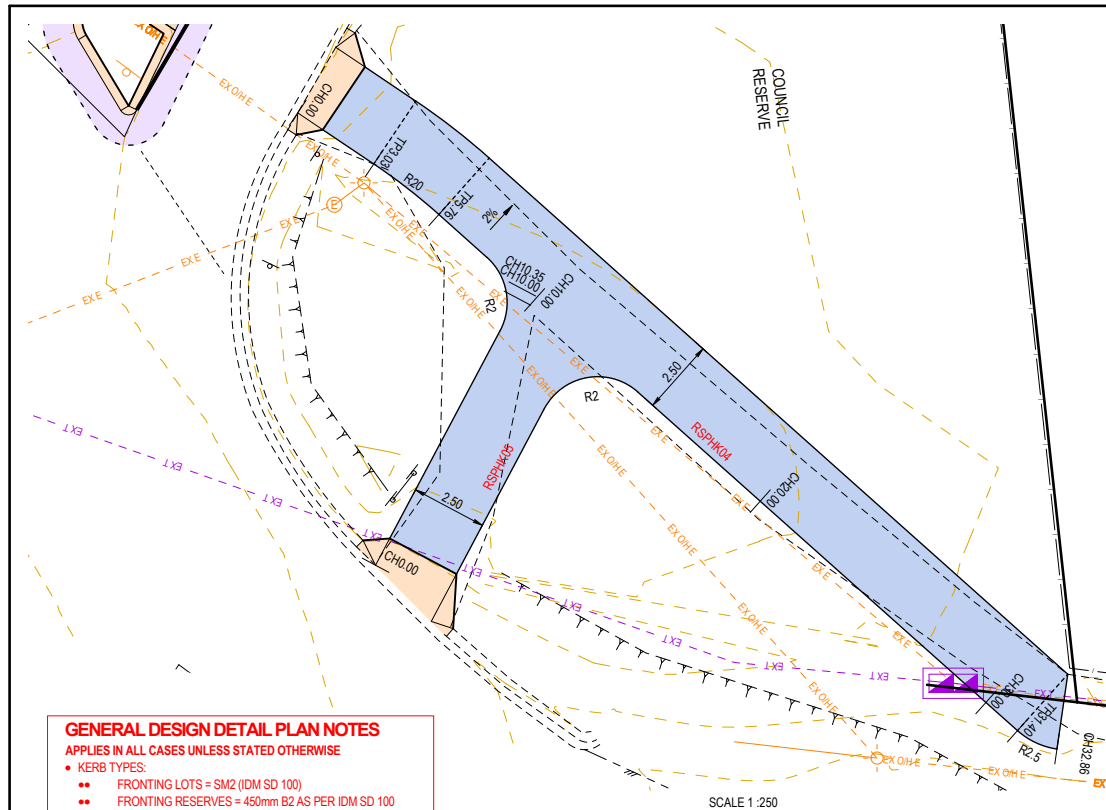
DWG STATUS: **FOR TENDER**

PROJECT & DWG No: 12066R13 / 26

REV: B

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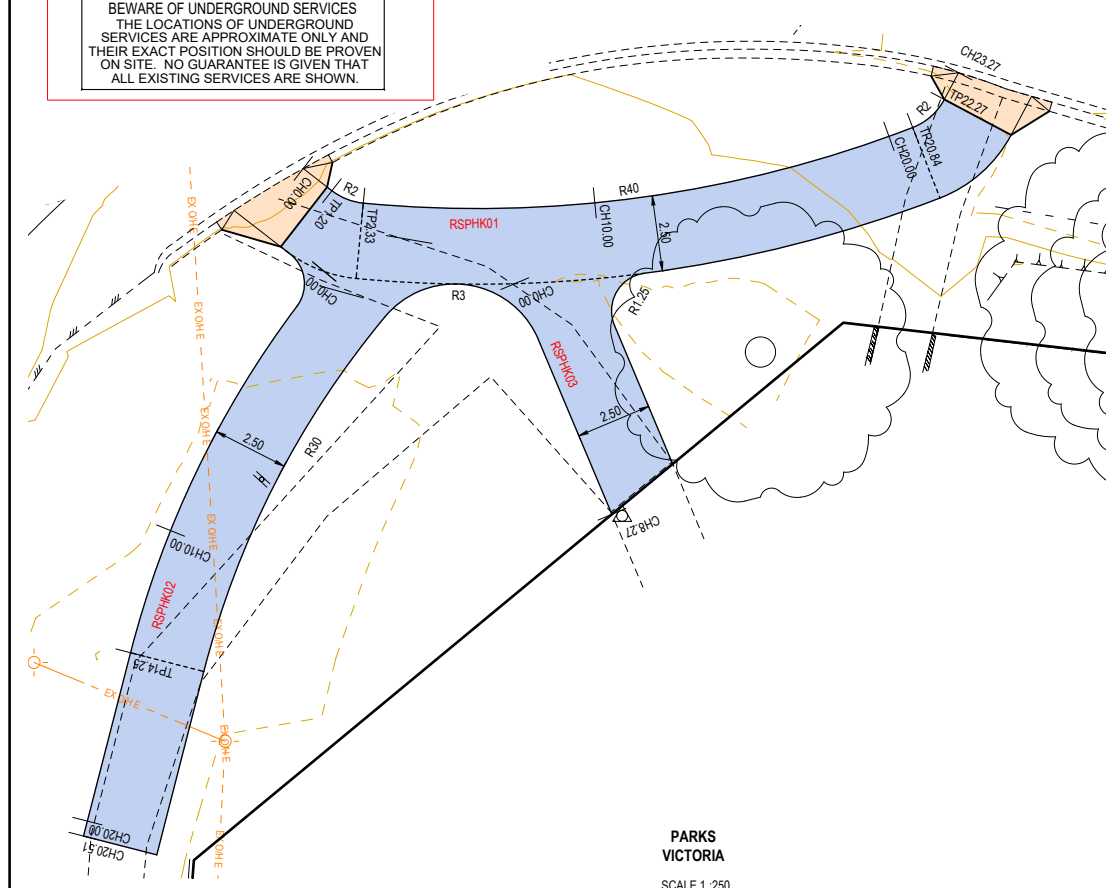
**RSPHK04**  
SCALE H 1 : 250 V 1 : 50

DESIGN LIP OF KERB	12.5%	10%	0.71%	0%	-3.73%	0%
HORIZ. GEOMETRY	2m VC, R20m HC, 5m VC, 5m VC, R-2.5m HC					
DATUM RL 542.0						
DESIGN RIGHT EDGE OF FPATH	543.42	543.55	543.70	543.84	543.98	544.12
DESIGN LEFT EDGE OF FPATH	543.42	543.59	543.74	543.88	544.02	544.16
EXISTING SURFACE	543.42	543.59	543.74	543.88	544.02	544.16
CHAINAGE	0.00	1.00	2.50	5.00	7.50	10.00

**RSPHK05**  
SCALE H 1 : 250 V 1 : 50

DESIGN LIP OF KERB	12.5%	10%	-2%
HORIZ. GEOMETRY	2m VC, 5m VC, R-2.5m HC		
DATUM RL 542.0			
DESIGN LEFT EDGE OF FPATH	543.48	543.61	543.74
DESIGN RIGHT EDGE OF FPATH	543.48	543.61	543.74
EXISTING SURFACE	543.48	543.61	543.74
CHAINAGE	0.00	1.00	3.00

- GENERAL DESIGN DETAIL PLAN NOTES**  
APPLIES IN ALL CASES UNLESS STATED OTHERWISE
- KERB TYPES:
    - FRONTING LOTS = SM2 (IDM SD 100)
    - FRONTING RESERVES = 450mm B2 AS PER IDM SD 100
  - ALL KERB RADIUS TO LINE OF KERB
  - ALL DRIVEWAYS AS PER IDM SD 240 & 245
  - ALL FOOTPATHS CONCRETE & 1.5m WIDE @ 0.05m OIS AS PER IDM SD 205
  - ALL SHARED PATHS CONCRETE & 2.5m WIDE @ 0.10m OIS BL AS PER IDM SD 205
  - ALL EASEMENT DRAINAGE PIPES & PITS ARE 1.0m OIS BL & SIDE BOUNDARIES
  - CONTOUR INTERVAL 0.2m @ 1 : 500 & 0.05m @ 1 : 200 (1 : 250(A3)) WHERE SHOWN
  - REFER LANDSCAPING PLANS FOR MATERIAL SELECTION AND PAVEMENT SURFACE FINISHES
- WARNING**  
BEWARE OF UNDERGROUND SERVICES  
THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



**RSPHK01**  
SCALE H 1 : 250 V 1 : 50

DESIGN LIP OF KERB	12.5%	1.51%	-2.71%	12.5%
HORIZ. GEOMETRY	R-2m HC, 5m VC, R-40m HC, R-2m HC			
DATUM RL 542.0				
DESIGN LEFT EDGE OF FPATH	543.92	544.04	544.16	544.28
DESIGN RIGHT EDGE OF FPATH	543.92	544.09	544.21	544.33
EXISTING SURFACE	543.92	544.04	544.16	544.28
CHAINAGE	0.00	1.00	2.33	4.67

**RSPHK03**  
SCALE H 1 : 250 V 1 : 50

DESIGN LIP OF KERB	2%	-1.5%
HORIZ. GEOMETRY	2m VC	
DATUM RL 543.0		
DESIGN RIGHT EDGE OF FPATH	544.19	544.10
DESIGN LEFT EDGE OF FPATH	544.18	544.20
EXISTING SURFACE	544.18	544.20
CHAINAGE	0.00	8.27

**RSPHK02**  
SCALE H 1 : 250 V 1 : 50

DESIGN LIP OF KERB	2%	-1.63%
HORIZ. GEOMETRY	R-32.5m HC, 5m VC	
DATUM RL 543.0		
DESIGN RIGHT EDGE OF FPATH	544.10	544.30
DESIGN LEFT EDGE OF FPATH	544.13	544.35
EXISTING SURFACE	544.13	544.35
CHAINAGE	0.00	20.51

B AMENDMENTS AS PER COUNCIL COMMENTS  
A AS SUBMITTED TO COUNCIL

REVISION

DES DWG CHK DATE

NJB JB AR 25/01/21  
NJB JB AR 17/11/20

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Shire Council

SCALE H 1:250 V 1:50

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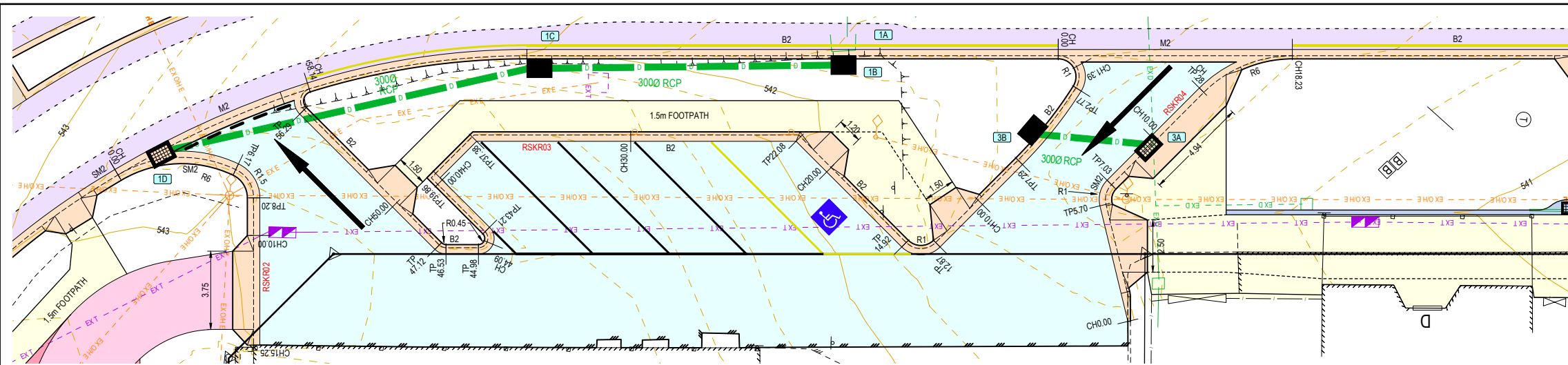
**KINGLAKE STREETSCAPE RENEWAL**  
**KINGLAKE**  
RSPHK01-K05 PLAN & LS  
MURRINDINDI SHIRE COUNCIL  
COUNCIL REF: SF/2410

DWG STATUS:  
**FOR TENDER**

PROJECT & DWG No:  
12066R15 / 26

REV: B

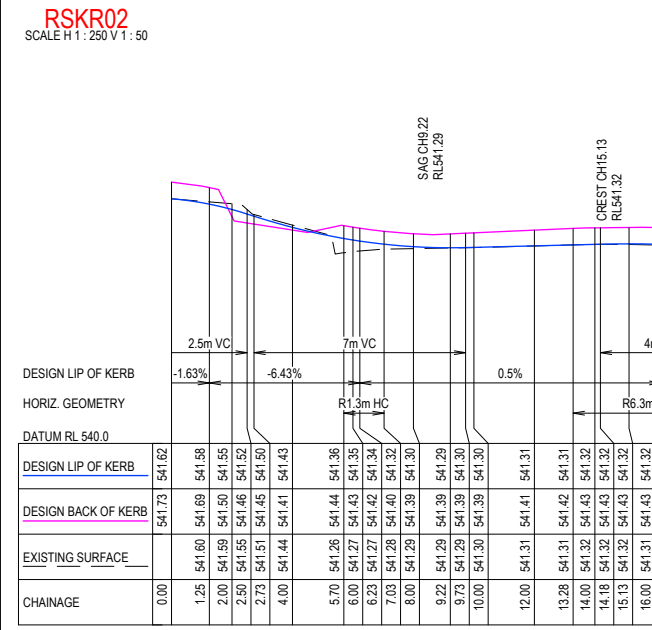
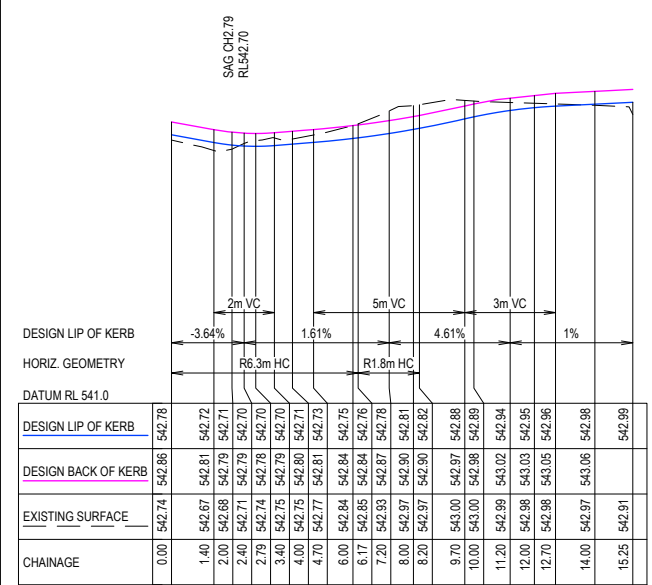
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**GENERAL DESIGN DETAIL PLAN NOTES**  
 APPLIES IN ALL CASES UNLESS STATED OTHERWISE

- KERB TYPES:
  - FRONTING LOTS = SM2 (IDM SD 100)
  - FRONTING RESERVES = 450mm B2 AS PER IDM SD 100
- ALL KERB RADIUS TO LINE OF KERB
- ALL DRIVEWAYS AS PER IDM SD 240 & 245
- ALL FOOTPATHS CONCRETE & 1.5m WIDE @ 0.05m O/S AS PER IDM SD 205
- ALL SHARED PATHS CONCRETE & 2.5m WIDE @ 0.10m O/S BL AS PER IDM SD 205
- ALL EASEMENT DRAINAGE PIPES & PITS ARE 1.0m O/S BL & SIDE BOUNDARIES
- CONTOUR INTERVAL 0.2m @ 1:500 & 0.05m @ 1:200 / 1:250(A3) WHERE SHOWN
- REFER LANDSCAPING PLANS FOR MATERIAL SELECTION AND PAVEMENT SURFACE FINISHES

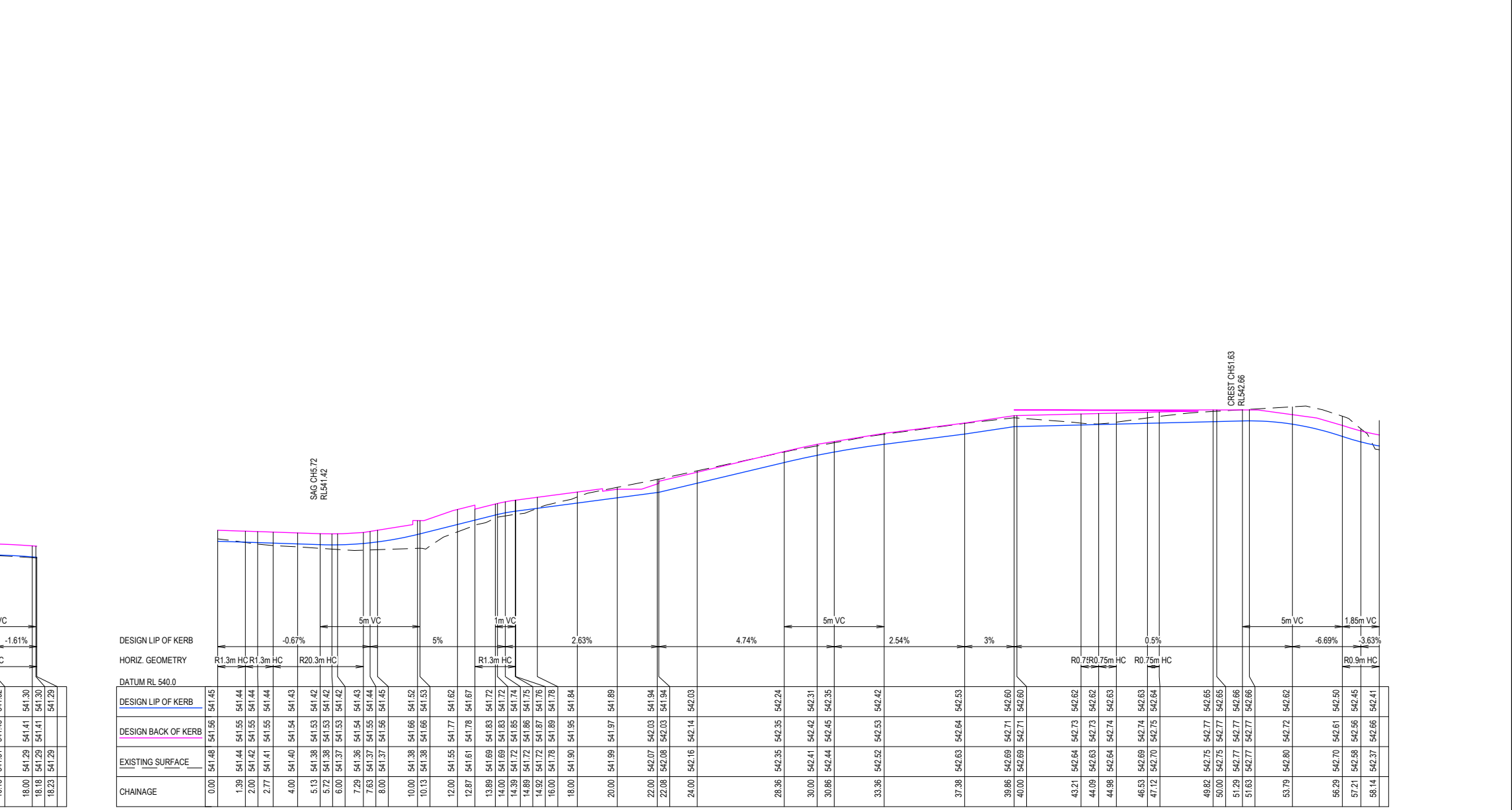
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**RSKR02**  
SCALE H 1 : 250 V 1 : 50

**RSKR04**  
SCALE H 1 : 250 V 1 : 50

REV	DES	CHG	DATE		
B	AMENDMENTS AS PER COUNCIL COMMENTS	NJB	JB	AR	25/01/21
A	AS SUBMITTED TO COUNCIL	NJB	JB	AR	17/11/20



**RSKR03**  
SCALE H 1 : 250 V 1 : 50

**RSKR04**  
SCALE H 1 : 250 V 1 : 50

**KINGLAKE STREETScape RENEWAL**  
**KINGLAKE**  
**LSRSKR02 RSKR03 & RSKR04 PLAN & LS**  
 MURRINDINDI SHIRE COUNCIL  
 COUNCIL REF: SF/2410  
 DWG STATUS: **FOR TENDER**  
 PROJECT & DWG No: 12066R16 / 26 B

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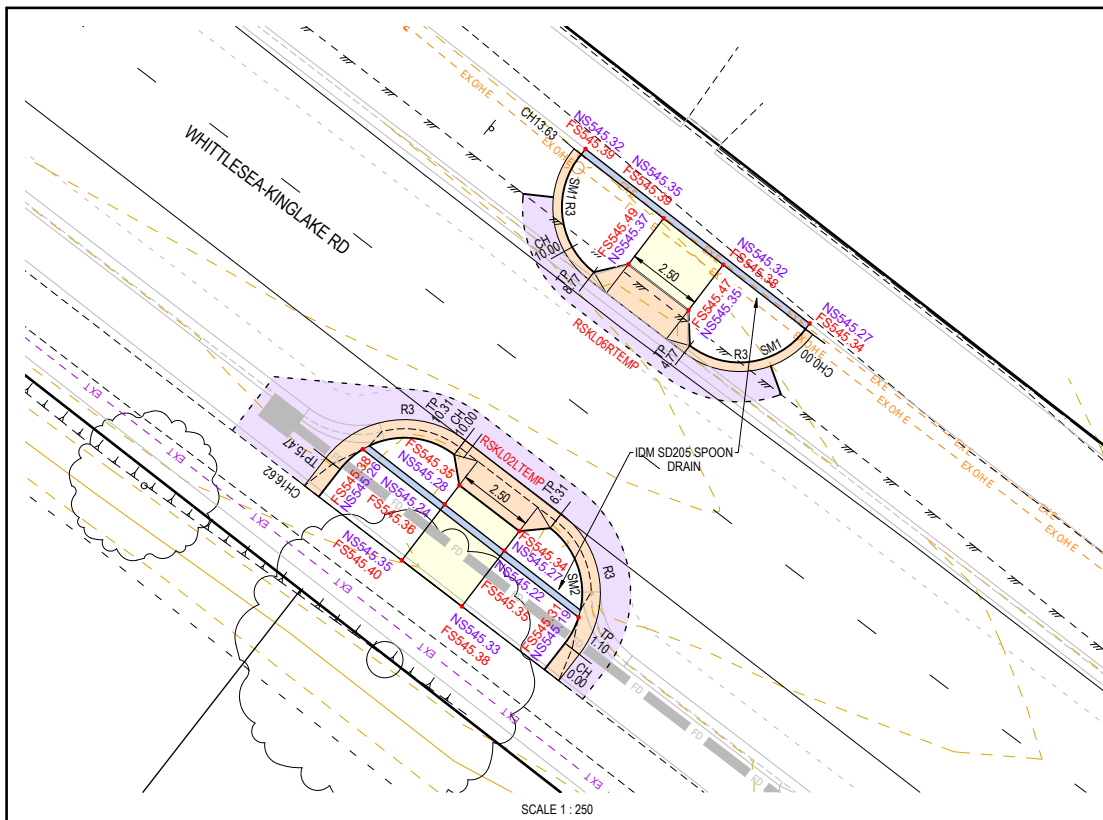
SCALE H 1:250 V 1:50  
 LENGTHS ARE IN METRES - PAPER SIZE A3

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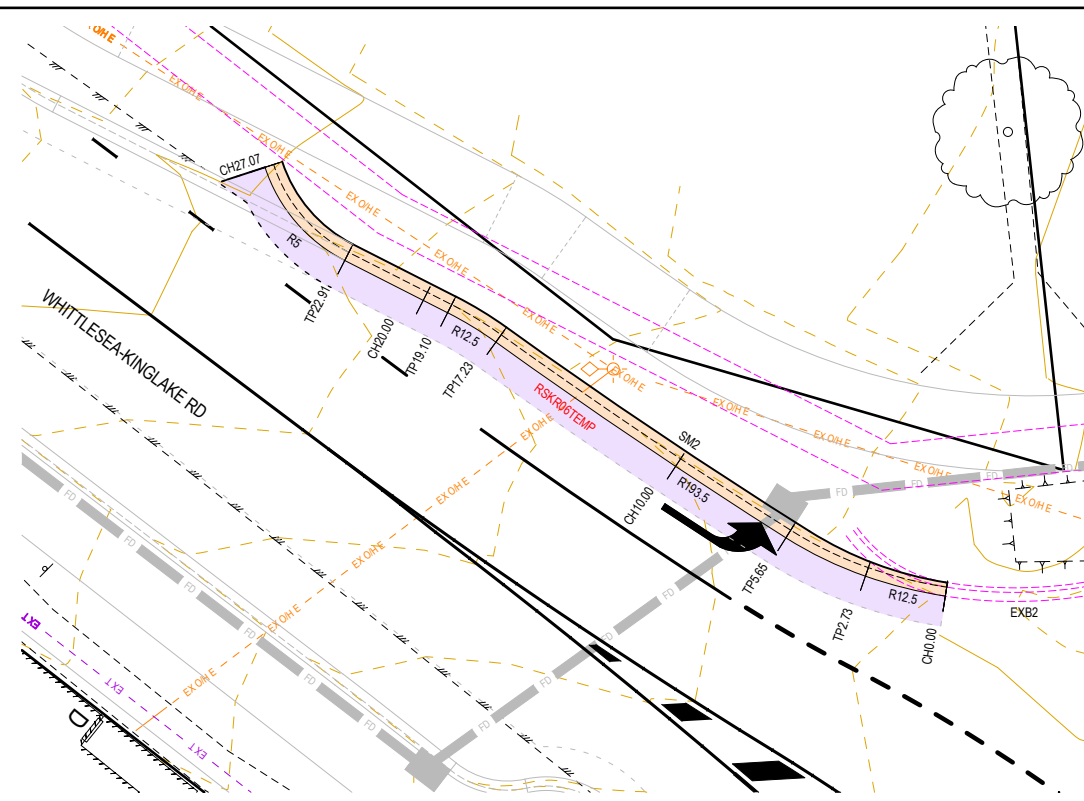
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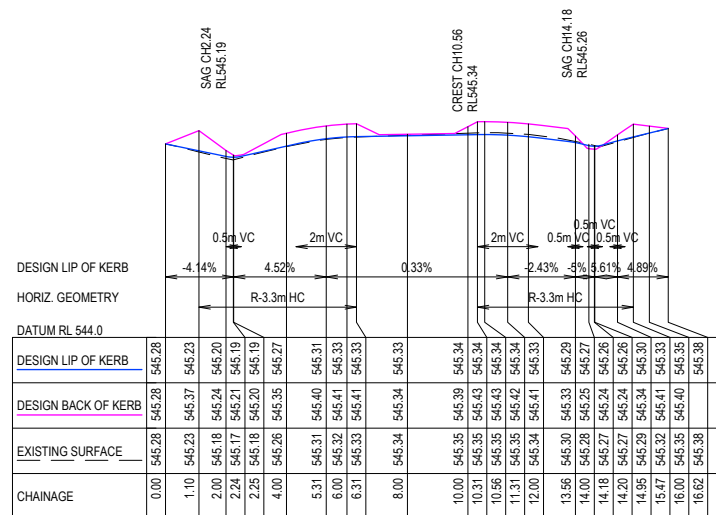


SCALE 1 : 250

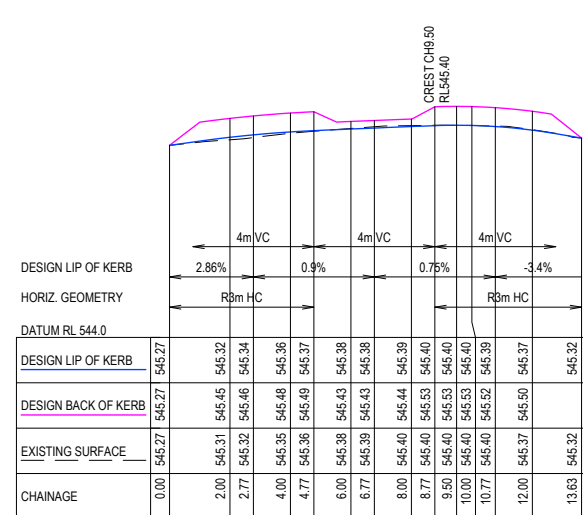


- GENERAL DESIGN DETAIL PLAN NOTES**  
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- KERB TYPES:
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  - ALL DRIVEWAYS AS PER IDM SD 240 & 245
  - ALL FOOTPATHS CONCRETE & 1.5m WIDE @ 0.05m O/S AS PER IDM SD 205
  - ALL SHARED PATHS CONCRETE & 2.5m WIDE @ 0.10m O/S BL AS PER IDM SD 205
  - ALL EASEMENT DRAINAGE PIPES & PITS ARE 1.0m O/S BL & SIDE BOUNDARIES
  - CONTOUR INTERVAL 0.2m @ 1:500 & 0.05m @ 1:200 / 1:250(A3) WHERE SHOWN
  - REFER LANDSCAPING PLANS FOR MATERIAL SELECTION AND PAVEMENT SURFACE FINISHES

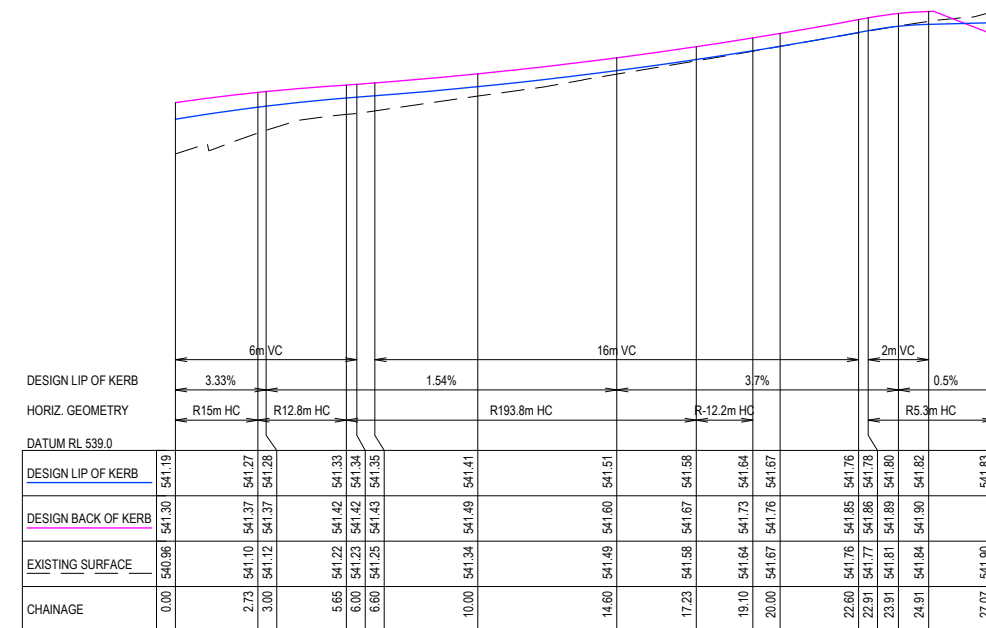
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RSKL02LTEMP  
 SCALE H 1 : 250 V 1 : 50



RSKL06RTEMP  
 SCALE H 1 : 250 V 1 : 50



RSKR06TEMP  
 SCALE H 1 : 250 V 1 : 50

REV	AS SUBMITTED TO COUNCIL	REVISION	DES	DWG	CHK	DATE
B	AMENDMENTS AS PER COUNCIL COMMENTS					25/01/21
A	AS SUBMITTED TO COUNCIL					17/11/20



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 Shire Council

SCALE H 1:250 V 1:50  
 LENGTHS ARE IN METRES - PAPER SIZE A3

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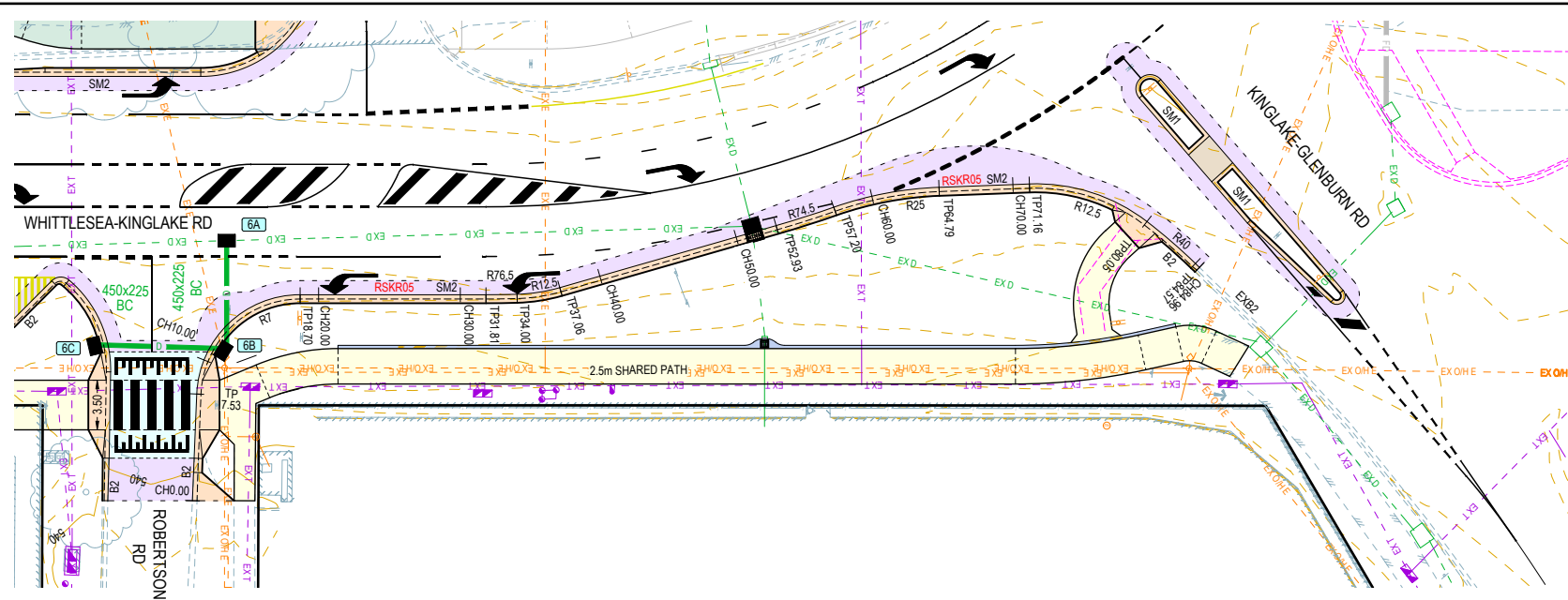
**KINGLAKE STREETScape RENEWAL**

**RSKL02LTEMP & RSKL06RTEMP PLAN & LS**

MURRINDINDI SHIRE COUNCIL  
 COUNCIL REF: SF/2410

DWG STATUS: **FOR TENDER** PROJECT & DWG No: 12066R17 / 26

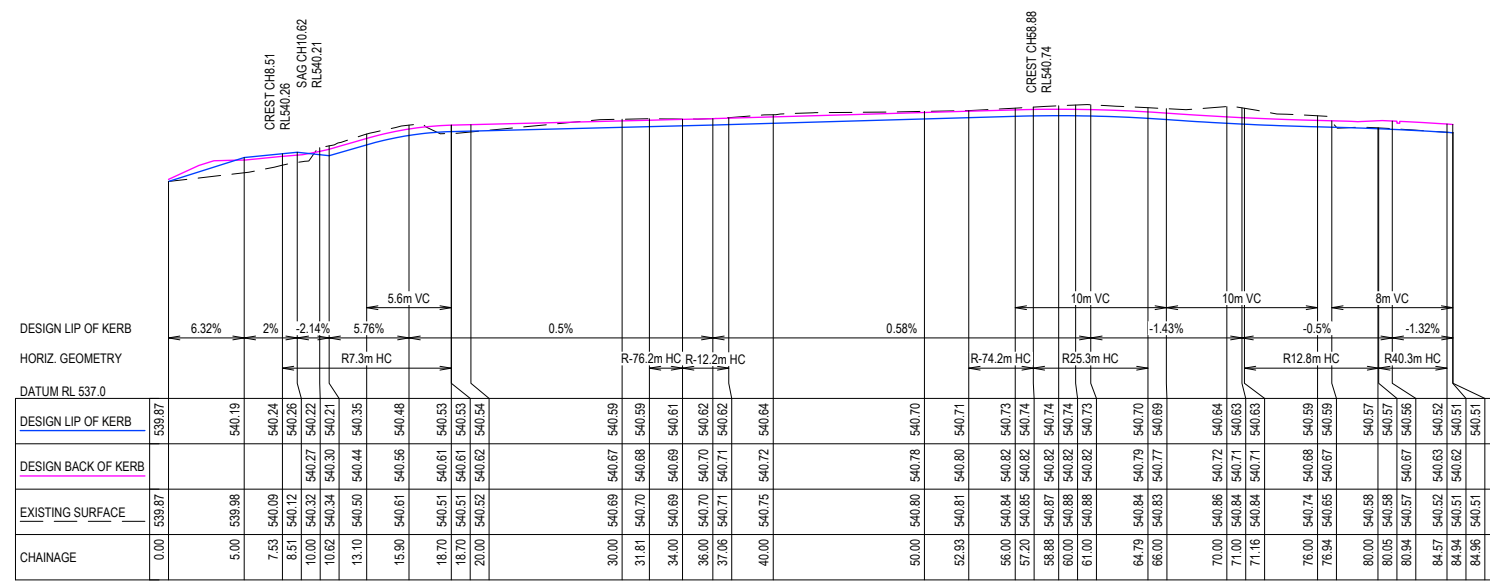
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SCALE 1 : 500

- GENERAL DESIGN DETAIL PLAN NOTES**  
 APPLIES IN ALL CASES UNLESS STATED OTHERWISE
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  - ALL EASEMENT DRAINAGE PIPES & PITS ARE 1.0m O/S BL & SIDE BOUNDARIES
  - CONTOUR INTERVAL 0.2m @ 1 : 500 & 0.05m @ 1 : 200 / 1 : 250(A3) WHERE SHOWN
  - REFER LANDSCAPING PLANS FOR MATERIAL SELECTION AND PAVEMENT SURFACE FINISHES

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**RSKR05**  
 SCALE H 1 : 500 V 1 : 100

B	AMENDMENTS AS PER COUNCIL COMMENTS	NJB	JB	AR	25/01/21
A	AS SUBMITTED TO COUNCIL	NJB	JB	AR	17/11/20
REV	REVISION	DES	DWG	CHK	DATE



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SCALE H 1:500 V 1:100  
 LENGTHS ARE IN METRES - PAPER SIZE A3

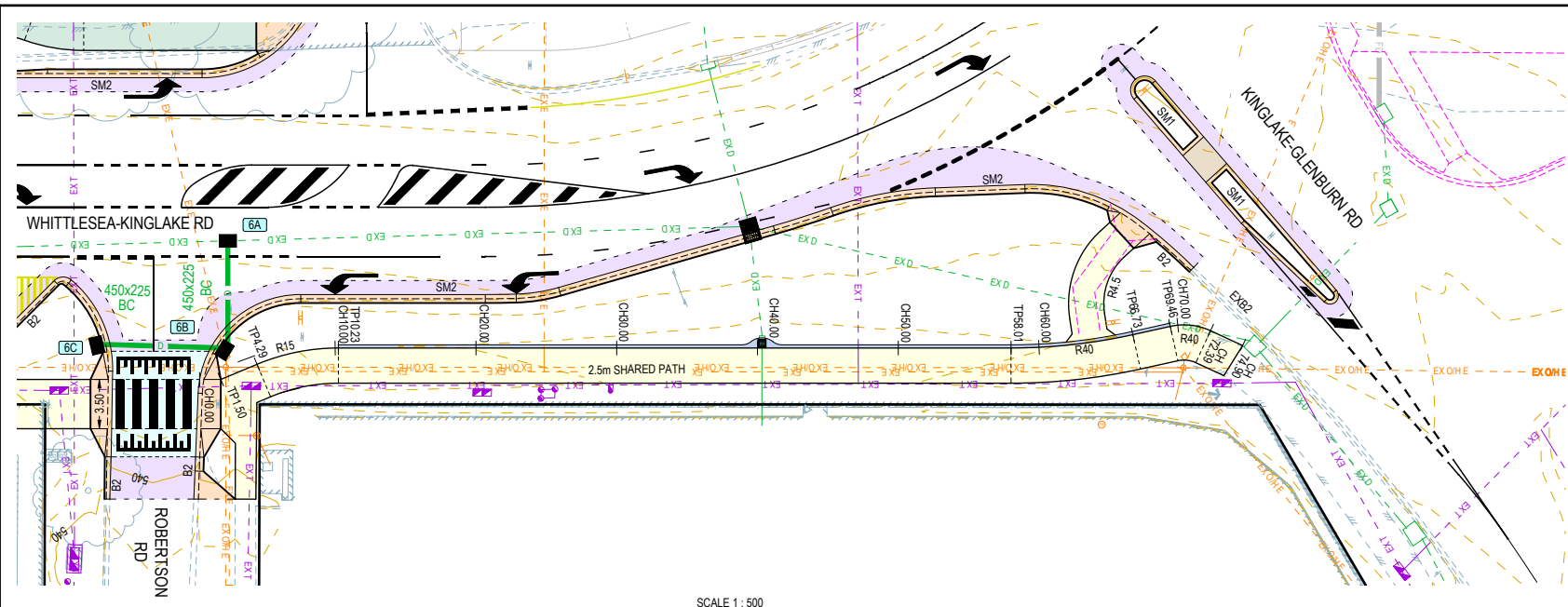
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**KINGLAKE STREETScape RENEWAL**  
**KINGLAKE**  
**RSKR05 PLAN & LONG SECTION**  
 MURRINDINDI SHIRE COUNCIL  
 COUNCIL REF: SF/2410  
 DWG STATUS: PROJECT & DWG No: **FOR TENDER** 12066R18 / 26 B

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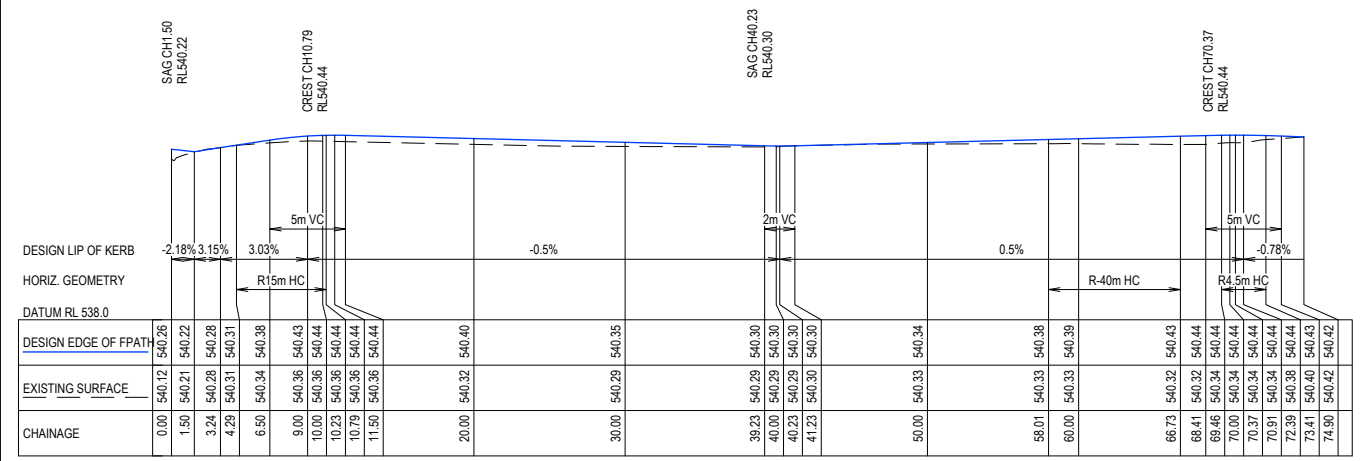


SCALE 1 : 500

**GENERAL DESIGN DETAIL PLAN NOTES**  
 APPLIES IN ALL CASES UNLESS STATED OTHERWISE

- KERB TYPES:
  - FRONTING LOTS = SM2 (IDM SD 100)
  - FRONTING RESERVES = 450mm B2 AS PER IDM SD 100
- ALL KERB RADIUS TO LINE OF KERB
- ALL DRIVEWAYS AS PER IDM SD 240 & 245
- ALL FOOTPATHS CONCRETE & 1.5m WIDE @ 0.05m O/S AS PER IDM SD 205
- ALL SHARED PATHS CONCRETE & 2.5m WIDE @ 0.10m O/S BL AS PER IDM SD 205
- ALL EASEMENT DRAINAGE PIPES & PITS ARE 1.0m O/S BL & SIDE BOUNDARIES
- CONTOUR INTERVAL 0.2m @ 1 : 500 & 0.05m @ 1 : 200 / 1 : 250(A3) WHERE SHOWN
- REFER LANDSCAPING PLANS FOR MATERIAL SELECTION AND PAVEMENT SURFACE FINISHES

**WARNING**  
 BEWARE OF UNDERGROUND SERVICES  
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**RSPR03**  
 SCALE H 1 : 500 V 1 : 100

B	AMENDMENTS AS PER COUNCIL COMMENTS	NJB	JB	AR	25/01/21
A	AS SUBMITTED TO COUNCIL	NJB	JB	AR	17/11/20
REV	REVISION	DES	DWG	CHK	DATE



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SCALE H 1:500 V 1:100  
 LENGTHS ARE IN METRES - PAPER SIZE A3

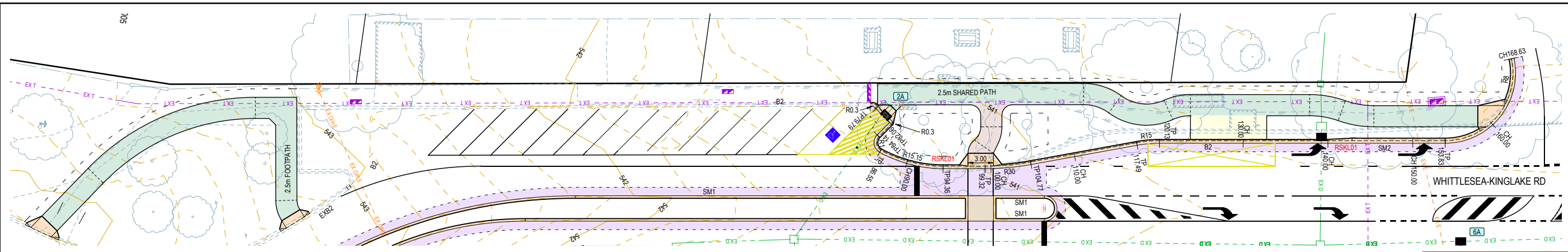
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**KINGLAKE STREETScape RENEWAL**  
**KINGLAKE**  
**RSPR03 PLAN & LONG SECTION**  
 MURRINDINDI SHIRE COUNCIL  
 COUNCIL REF: SF/2410  
 DWG STATUS: PROJECT & DWG No: **FOR TENDER** 12066R19 / 26 B

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 PLOT DATE: 27/01/2021 FILE: C:\TZ\DATA\TOMKINSON\12066R19\KINGLAKE\_STREETScape\_R&D\_CTN\_PLANS\_REV B.DWG

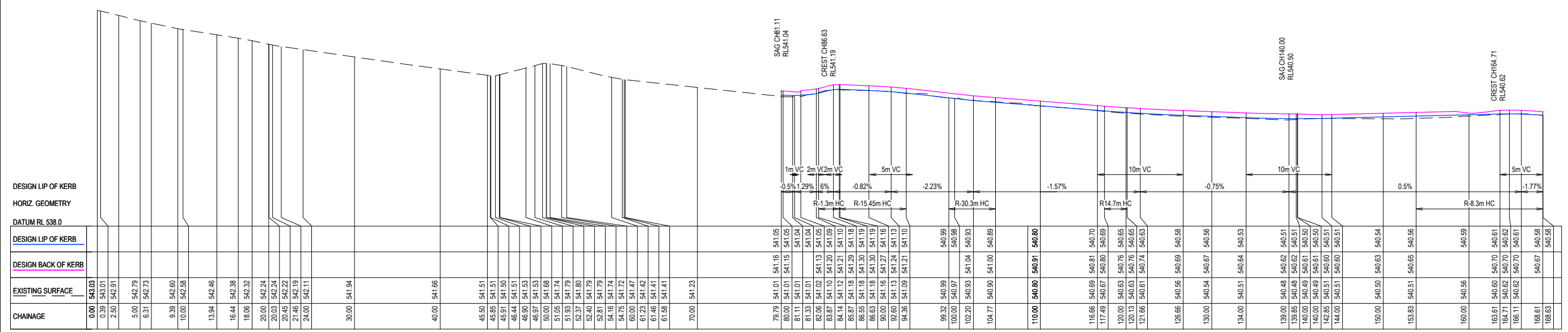


SCALE 1 : 500

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 APPLIES IN ALL CASES UNLESS STATED OTHERWISE

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DESIGN LIP OF KERB  
 HORIZ. GEOMETRY  
 DATUM RL 538.0

CHAINAGE	EXISTING SURFACE	DESIGN BACK OF KERB	DESIGN LIP OF KERB
0.00	543.03		
0.39	543.01		
2.50	542.91		
5.00	542.79		
6.31	542.73		
9.39	542.60		
10.00	542.55		
13.94	542.46		
16.44	542.38		
18.06	542.32		
20.00	542.24		
20.03	542.24		
20.45	542.22		
21.46	542.19		
24.00	542.11		
30.00	541.94		
40.00	541.66		
46.50	541.51		
45.85	541.51		
45.91	541.50		
46.44	541.51		
46.90	541.53		
46.97	541.53		
50.00	541.68		
51.05	541.74		
51.93	541.79		
52.37	541.80		
52.40	541.79		
52.81	541.79		
54.16	541.74		
54.75	541.72		
60.00	541.47		
61.23	541.42		
61.46	541.41		
61.98	541.41		
70.00	541.23		
79.79	541.01	541.16	541.05
80.00	541.01	541.15	541.05
81.11	541.01	541.04	541.04
81.33	541.01	541.04	541.04
82.06	541.02	541.13	541.05
83.97	541.10	541.20	541.09
84.14	541.12	541.21	541.10
85.87	541.18	541.29	541.18
86.55	541.18	541.30	541.19
86.63	541.18	541.30	541.19
90.00	541.16	541.27	541.16
92.60	541.13	541.24	541.13
94.36	541.09	541.21	541.10
99.32	540.99		540.99
100.00	540.97		540.98
102.20	540.93	541.04	540.93
104.77	540.90	541.00	540.89
110.00	540.80	540.91	540.80
116.06	540.69	540.81	540.70
117.49	540.67	540.80	540.69
120.00	540.63	540.76	540.65
120.13	540.63	540.76	540.65
121.66	540.61	540.74	540.63
126.06	540.56	540.69	540.58
130.00	540.54	540.67	540.56
134.00	540.51	540.64	540.53
139.00	540.48	540.62	540.51
139.85	540.48	540.62	540.51
140.00	540.49	540.61	540.50
142.85	540.51	540.60	540.51
144.00	540.51	540.60	540.51
150.00	540.50	540.63	540.54
153.83	540.51	540.65	540.56
160.00	540.56		540.59
163.61	540.60	540.70	540.61
164.71	540.62	540.70	540.62
166.11	540.62	540.70	540.61
168.61	540.61	540.67	540.58
168.63	540.61	540.67	540.58

RSKL01  
 SCALE H 1 : 500 V 1 : 100

B AMENDMENTS AS PER COUNCIL COMMENTS  
 A AS SUBMITTED TO COUNCIL

REV

REV	DES	DWG	CHK	DATE
	NJB	JB	AR	25/01/21
	NJB	JB	AR	17/11/20



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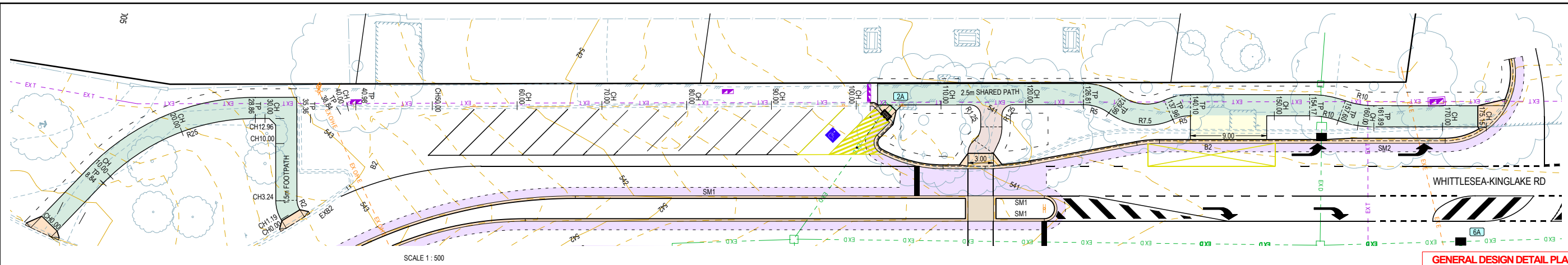
**KINGLAKE STREETScape RENEWAL**  
**KINGLAKE**  
 RSKL01 PLAN & LONG SECTION  
 MURRINDINDI SHIRE COUNCIL  
 COUNCIL REF: SF/2410

DWG STATUS:  
**FOR TENDER**

PROJECT & DWG No:  
 12066R20 / 26

REV: B

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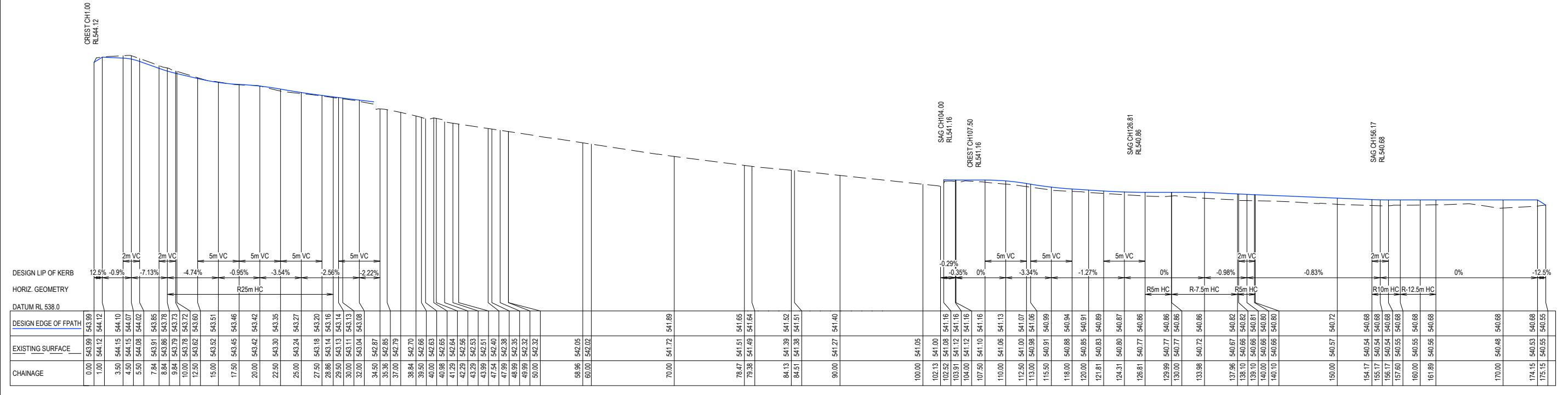


**GENERAL DESIGN DETAIL PLAN NOTES**

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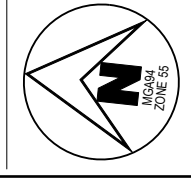
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**RSPL01**  
SCALE H 1:500 V 1:100

REV	REVISION	DES	DWG	CHK	DATE
B	AMENDMENTS AS PER COUNCIL COMMENTS	NJB	JB	AR	25/01/21
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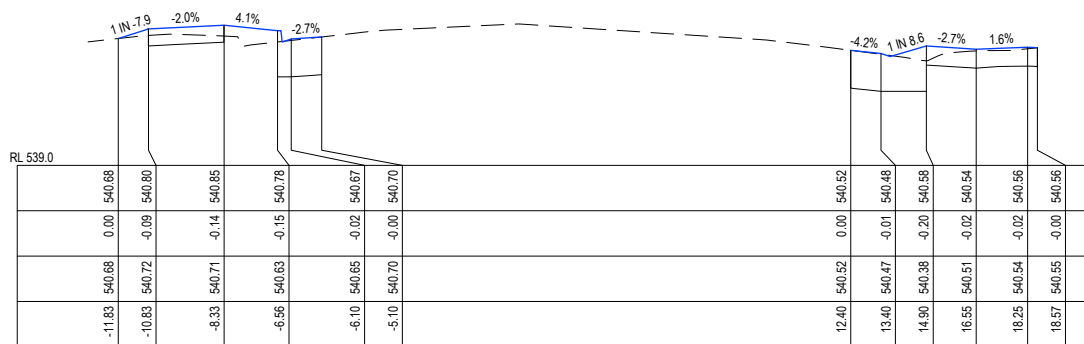
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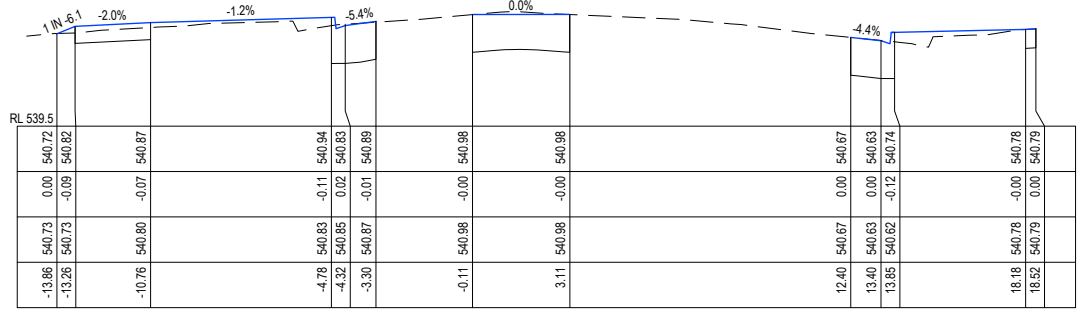
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**KINGLAKE**  
**RSPL01 PLAN & LONG SECTION**  
MURRINDINDI SHIRE COUNCIL  
COUNCIL REF: SF/2410  
DWG STATUS: **FOR TENDER**  
PROJECT & DWG No: 12066R21 / 26 B



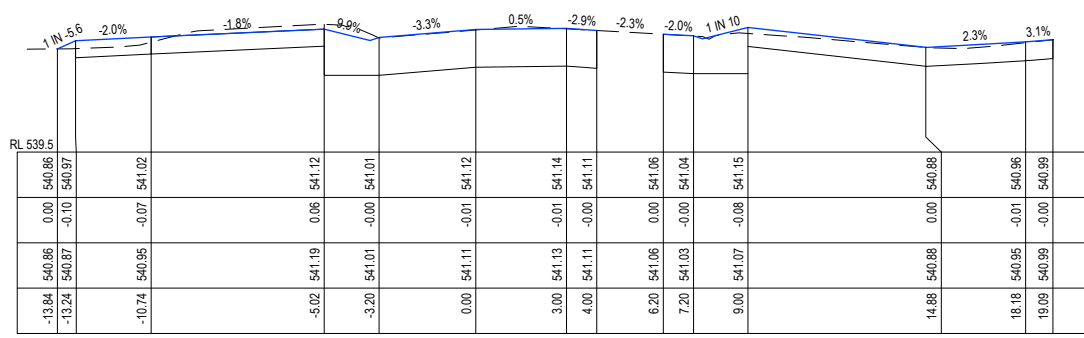
NOTE:  
 • ROAD CROSS SECTIONS REFER TO ROAD CENTRELINE  
 • ROAD CROSS SECTIONS ARE PERPENDICULAR TO ROAD CENTRELINE



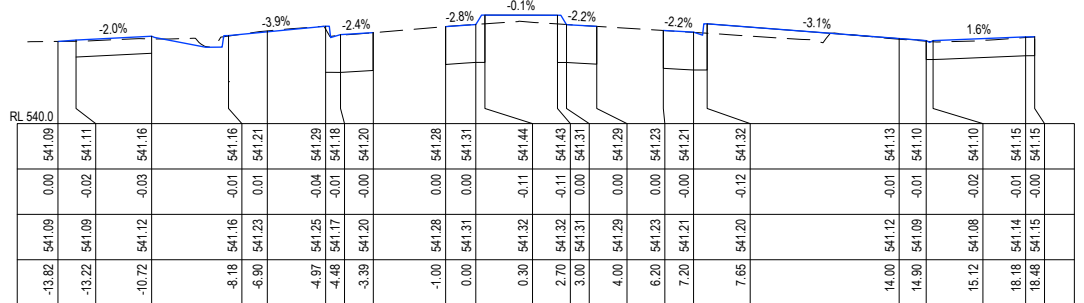
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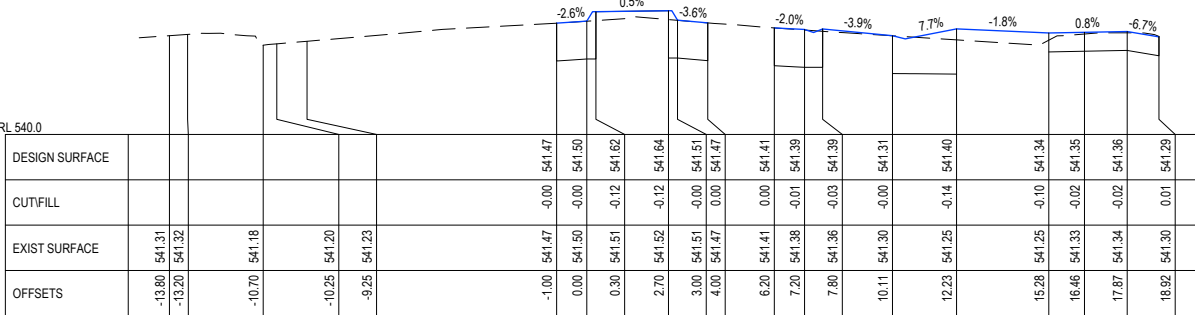
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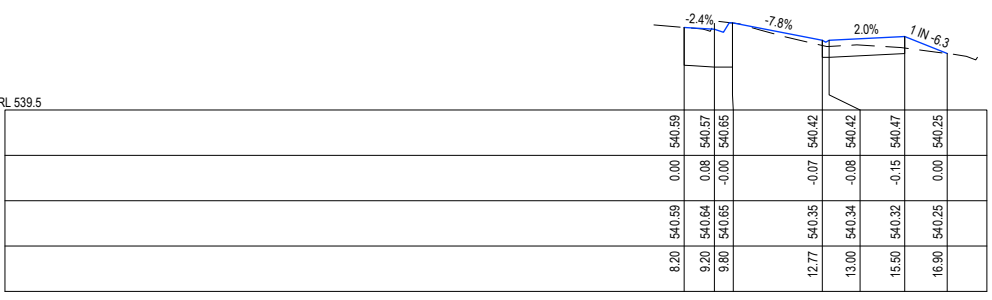
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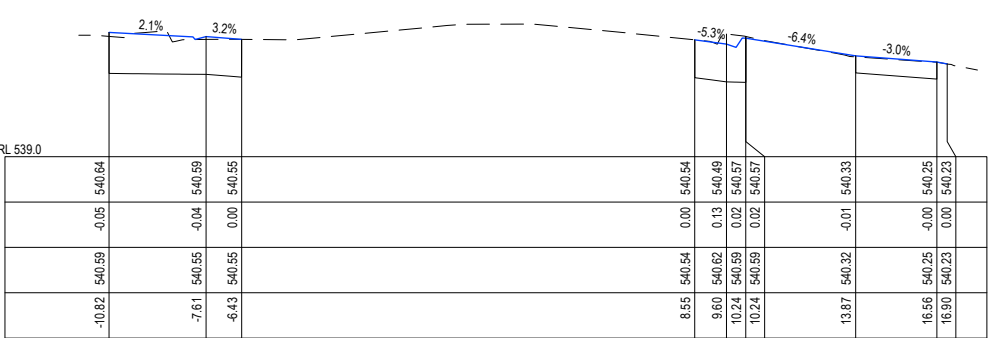
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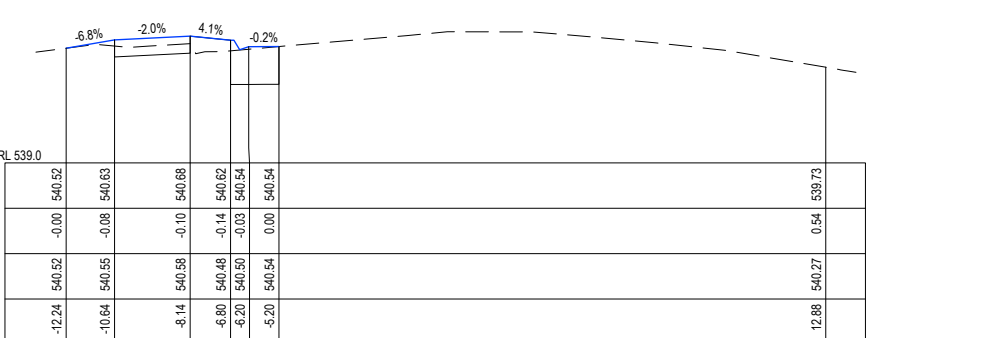
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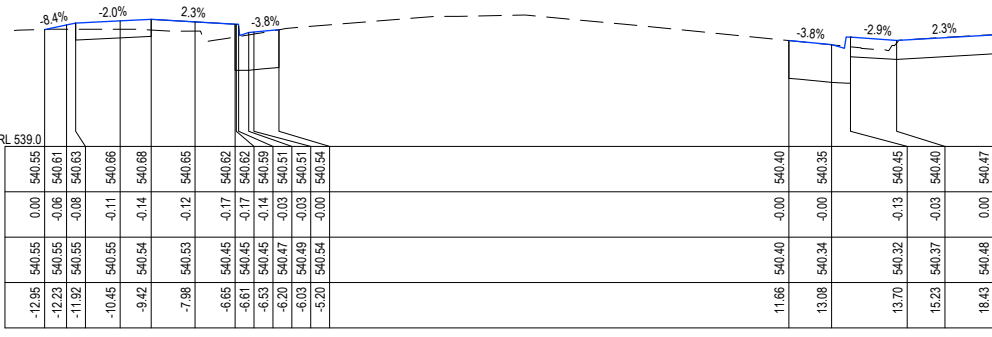
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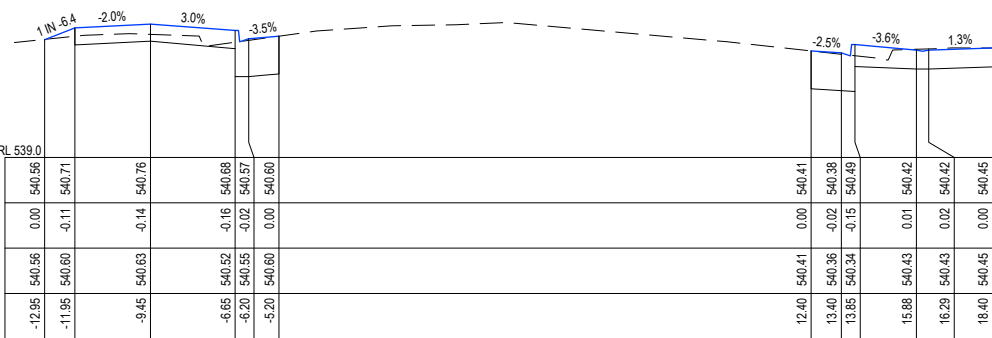
CH 150



CH 140



CH 130



CH 120

WHITTLESEA-KINGLAKE RD  
 SCALE H 1:250 V 1:100

B	AMENDMENTS AS PER COUNCIL COMMENTS	NJB	JB	AR	25/01/21
A	AS SUBMITTED TO COUNCIL	NJB	JB	AR	17/11/20
REV	REVISION	DES	DWG	CHK	DATE

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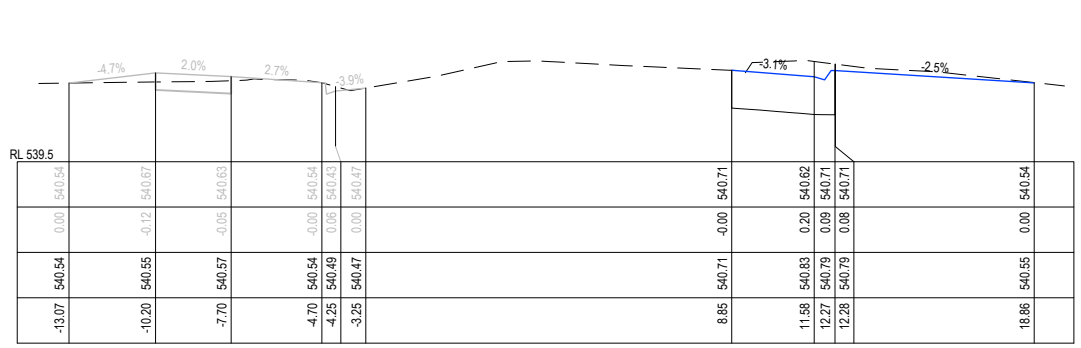
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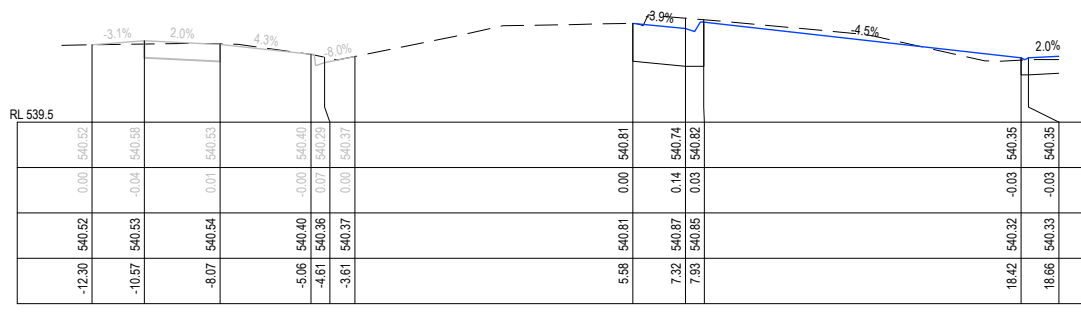
**KINGLAKE STREETSCAPE RENEWAL**  
**KINGLAKE**  
 ROAD CENTRELINE CROSS SECTIONS (2 OF 4)  
 MURRINDINDI SHIRE COUNCIL  
 COUNCIL REF: SF/2410  
 DWG STATUS: **FOR TENDER**  
 PROJECT & DWG No: 12066R23 / 26  
 REV: B

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 PLOT DATE: 27/01/2021 FILE: C:\IZDDATA\TOMK66C-12066R\12066R-Rd - MURRINDINDI SHIRE COUNCIL - KINGLAKE - 1348166060\CAD\CURRENT\12066R-Rd CTN PLANS REV B.DWG

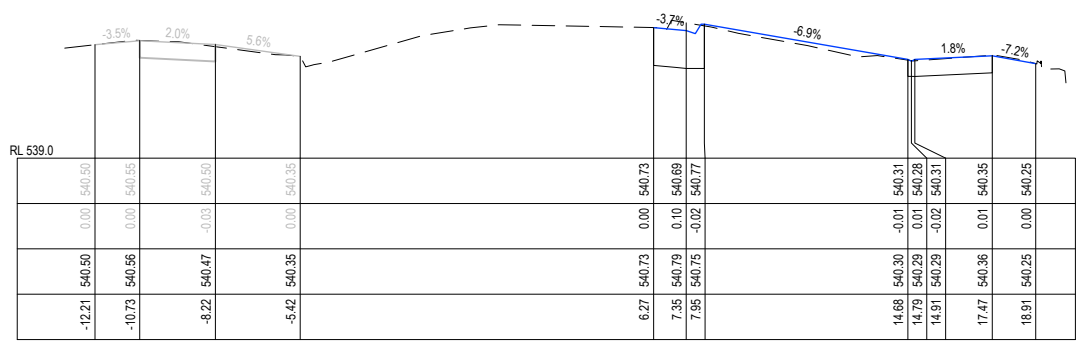
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 • ROAD CROSS SECTIONS ARE PERPENDICULAR TO ROAD CENTRELINE



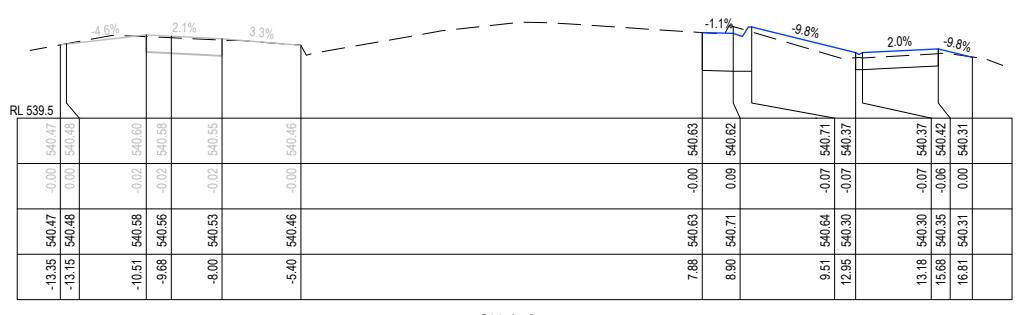
CH 200



CH 190



CH 180

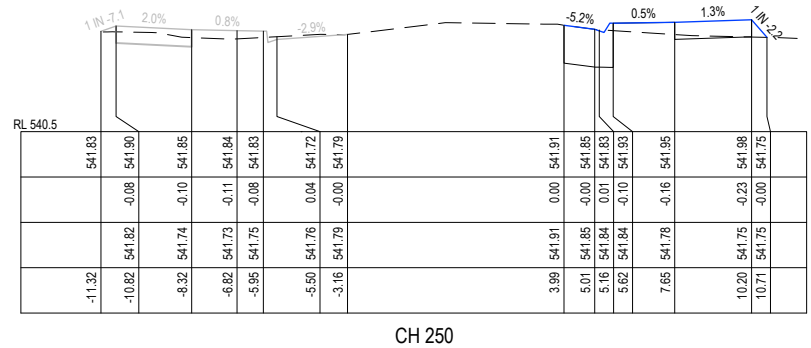


CH 170

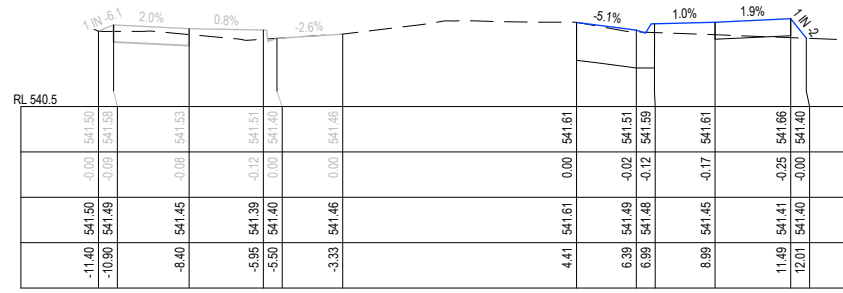
RL 539.5

DESIGN SURFACE	540.61	540.64	540.58	540.53	540.61	540.59	540.68	540.39	540.44	540.32
CUT/FILL	0.00	-0.04	-0.03	0.00	0.00	0.10	-0.05	-0.06	-0.11	0.00
EXIST SURFACE	540.60	540.60	540.55	540.53	540.61	540.69	540.68	540.39	540.44	540.32
OFFSETS	-13.47	-10.64	-8.14	-6.53	8.20	9.20	9.80	12.77	15.50	15.91

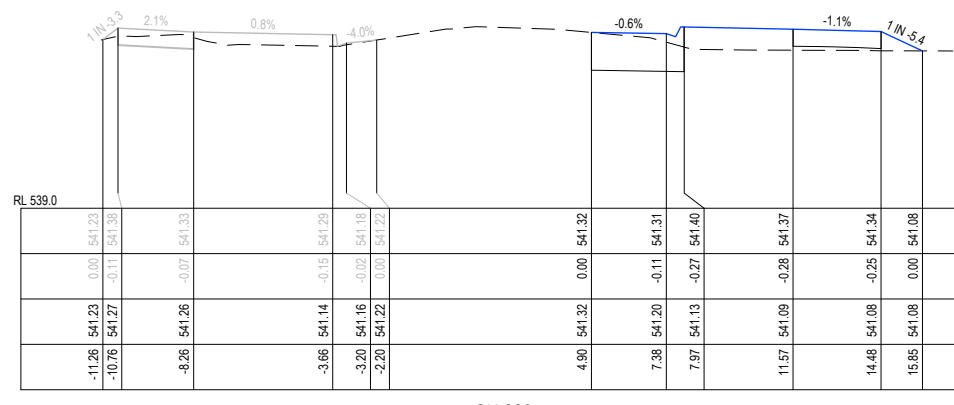
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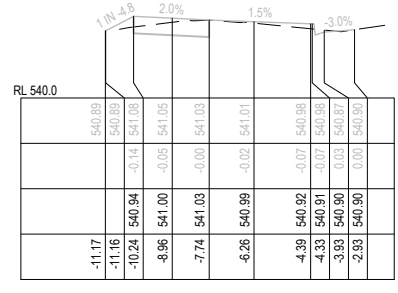
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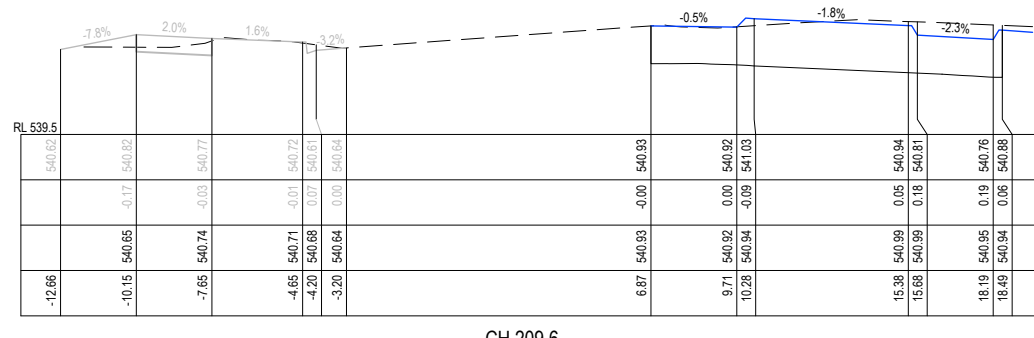
CH 239.67



CH 230



CH 220



CH 209.6

WHITTLESEA-KINGLAKE RD  
 SCALE H 1:250 V 1:100

B	AMENDMENTS AS PER COUNCIL COMMENTS	NJB	JB	AR	25/01/21
A	AS SUBMITTED TO COUNCIL	NJB	JB	AR	17/11/20
REV	REVISION	DES	DWG	CHK	DATE

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 V 1 1 2 3 4 5 V  
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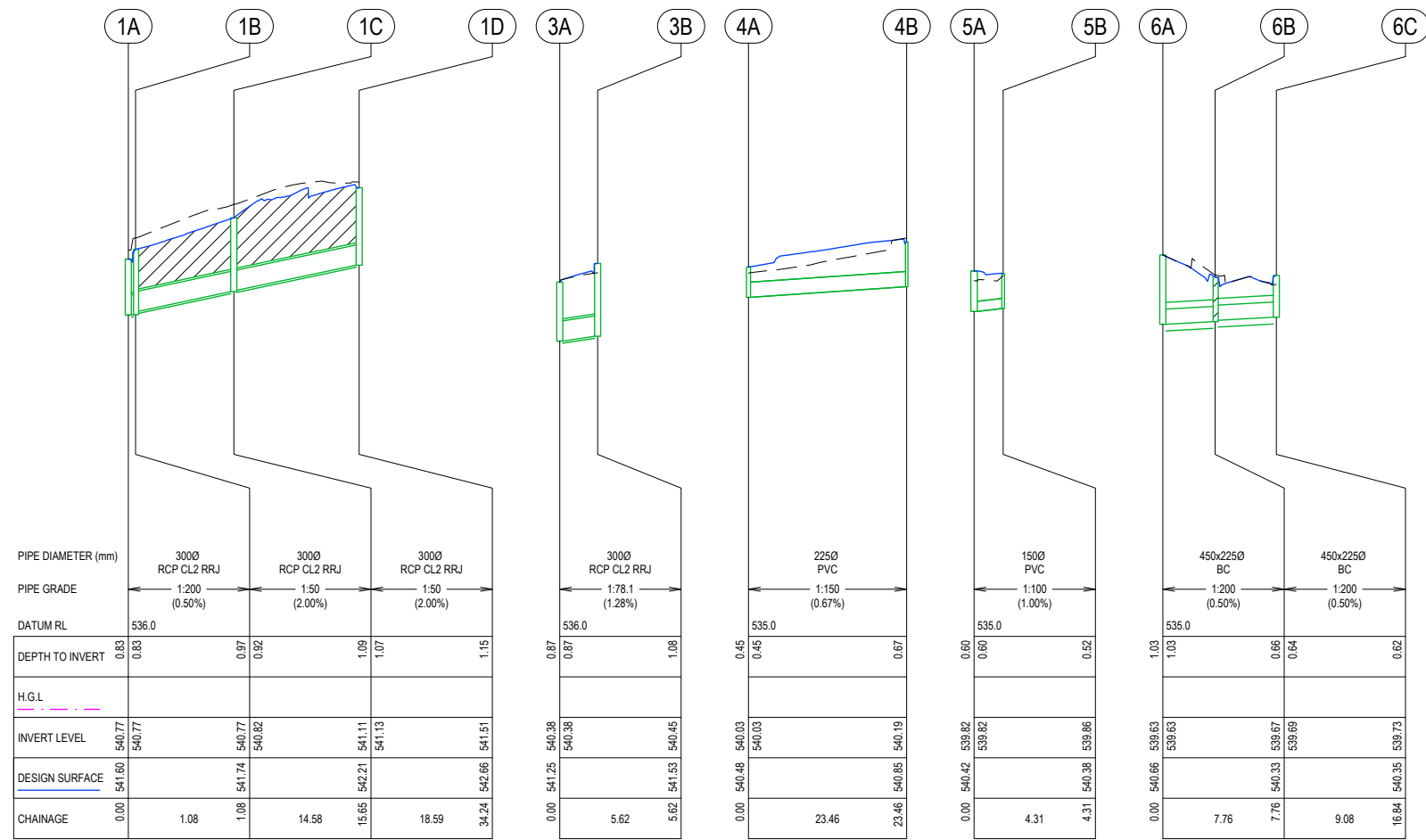
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**KINGLAKE STREETSCAPE RENEWAL**  
**KINGLAKE**  
 ROAD CENTRELINE CROSS SECTIONS (3 OF 4)  
 MURRINDINDI SHIRE COUNCIL  
 COUNCIL REF: SF/2410  
 DWG STATUS:  
**FOR TENDER**  
 PROJECT & DWG No: 12066R24 / 26 B

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**NOTE:**  
  
 DENOTES FULL DEPTH BACKFILL AS PER IDM SD310

PIT SCHEDULE												
PIT NAME	PIT TYPE	EASTING	NORTHING	INTERNAL		INLET DIA	INV LEV	OUTLET DIA	INV LEV	PIT SETOUT RL	DEPTH	REMARKS
				WD	LEN							
1A	EX PIT	353408.056	5844793.163	600	900	300	540.767			541.596	0.829	IDM SD420
1B	SEP	353409.124	5844793.294	600	900	300	540.822	300	540.772	541.741	0.968	IDM SD430
1C	SEP	353410.853	5844778.817	600	900	300	541.134	300	541.114	542.209	1.095	IDM SD430
1D	GJP IN KERB	353416.921	5844761.248	600	900			300	541.506	542.656	1.15	IDM SD481
2A	GJP IN KERB	353389.004	5844816.646	450	900	450x225	540.483			541.004	0.521	IDM SD475
3A	GJP IN KERB	353411.465	5844808.253	450	900	300	540.38			541.255	0.875	IDM SD481
3B	SEP	353411.239	5844802.64	600	900			300	540.452	541.533	1.081	IDM SD430
4A	JP	353411.465	5844808.253	600	900	225	540.03			540.478	0.448	IDM SD420
4B	GJP	353411.465	5844808.253	370	370			225	540.186	540.853	0.667	IDM SD495
5A	EX PIT	353407.356	5844870.087	600	900	150	539.82			540.419	0.599	IDM SD431
5B	GJP	353409.558	5844866.774	370	370			150	539.863	540.38	0.517	IDM SD495
6A	JP	353396.47	5844885.654	600	900	450x225	539.63			540.657	1.027	IDM SD420
6B	SEP	353404.209	5844886.26	600	900	450x225	539.689	450x225	539.669	540.329	0.661	IDM SD430
6C	SEP	353404.855	5844877.207	600	900			450x225	539.734	540.355	0.62	IDM SD430

B	AMENDMENTS AS PER COUNCIL COMMENTS	NJB	JB	AR	25/01/21
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**Murrindindi**  
 Shire Council

SCALE H 1:1,000 V 1:100  
 LENGTHS ARE IN METRES - PAPER SIZE A3  
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**KINGLAKE STREETScape RENEWAL**  
**KINGLAKE**  
**DRAINAGE LONG SECTIONS**  
 MURRINDINDI SHIRE COUNCIL  
 COUNCIL REF: SF/2410  
 DWG STATUS: **FOR TENDER**  
 PROJECT & DWG No: 12066R26 / 26

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