

LOCALITY MAP
MELWAYS MAP 49
NOT TO SCALE

- SPECIFIC NOTES**
- SITE**
- PLASTIC MESH FENCING (BARRIER MESH) MUST BE USED TO PROTECT WORKSITE AND ALL APPROPRIATE SIGNS TO THE SATISFACTION OF THE SUPERVISING ENGINEER.
 - THE CONTRACTOR IS TO NOTIFY ALL RESIDENTS BY LETTER REGARDING ACCESS RESTRICTIONS TO THEIR PROPERTIES (AT LEAST 24HRS IN ADVANCE).
 - IT IS THE CONTRACTORS RESPONSIBILITY TO TRANSFER ANY TBMS THAT MAY BE AFFECTED BY THE WORKS PRIOR TO THEIR REMOVAL.
 - SETOUT DIMENSIONING AND RADII ARE FROM LIP OF KERB UNLESS OTHERWISE SHOWN.

- EARTHWORKS**
- THE CONTRACTOR IS TO VERIFY ALL LEVELS WITH THE SUPERVISING ENGINEER PRIOR TO COMMENCING ANY PAVEMENT WORKS.
 - ALL DISTURBED AREAS OUTSIDE THE WORKS ARE TO BE REINSTATED TO THE SATISFACTION OF COUNCIL.
 - REMOVAL OF VEGETATION OR TRIMMING OF TREES IS TO BE DONE UNDER COUNCIL DIRECTION.
 - NO TREE ROOTS GREATER THAN 40mm ARE TO BE CUT BY THE CONTRACTOR. THE CONTRACTOR IS TO OBTAIN APPROVAL FROM THE SUPERVISING ENGINEER TO REMOVE TREE ROOTS GREATER THAN 40mm.
 - THE CONTRACTOR SHALL NOT CAUSE ANY DAMAGE TO TREE BRANCHES OR TREE TRUNKS.
 - BACKFILL ALL TRENCHES BENEATH ROAD PAVEMENT AND VEHICLE CROSSINGS WITH CLASS 2 CRUSHED ROCK

- DRAINAGE**
- ALL DRAINAGE WORKS TO BE TO AS3500
 - ALL DRAINAGE PIPES TO BE LAID TRUE TO LINE AND GRADE ON MIN. 100mm OF 20mm CLASS 2 CRUSHED ROCK BEDDING. FOR PIPES WITH OUTER DIAMETER GREATER THAN 900mm, REFER TO PLUMBING & DRAINAGE AUSTRALIAN STANDARDS AS/NZS 3500.1:2018 FOR BEDDING SPECIFICATIONS.
 - ALL REINFORCED CONCRETE DRAINAGE PIPES TO BE RUBBER RING JOINTED AND CLASS 4, UNLESS SPECIFIED OTHERWISE.
 - ALL UPVC PIPES SHALL BE SEWER CLASS SN8 EXTRA HEAVY DUTY, SOLVENT WELDED UNLESS SPECIFIED OTHERWISE.
 - ALL PITS 1.0m DEPTH AND OVER TO BE FITTED WITH STEP IRONS.
 - ALL PITS TO HAVE FORMED BASES TO ALLOW SMOOTH FLOWS THROUGH PITS.
 - ALL DRAINAGE TRENCHES IN ROADWAY TO BE BACKFILLED WITH 20mm CLASS 3 CRUSHED ROCK (MINIMUM), BACKFILL WITHIN EXISTING PAVEMENT DEPTH TO BE CLASS 2 CRUSHED ROCK IN ACCORDANCE WITH COUNCIL STANDARD DRAWING MCC-105.

- SERVICING**
- THE LOCATION OF ALL EXISTING SERVICES IS BASED ON INFORMATION SUPPLIED BY THE RELEVANT AUTHORITIES AND IS APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL SERVICES BEFORE COMMENCING WORKS AND PROTECT THE SAME FOR THE DURATION OF THE WORKS.
 - BACKFILL ALL UTILITY TRENCHES BENEATH ROAD PAVEMENT AND VEHICLE CROSSINGS WITH CLASS 3 CRUSHED ROCK (MINIMUM), CLASS 2 CRUSHED ROCK TO BE USED WITHIN EXISTING PAVEMENT DEPTH IN ACCORDANCE WITH COUNCIL STANDARD DRAWING MCC-106.
 - "NO GO ZONES" TO BE ADHERED TO FOR ALL EXISTING SERVICES WHEN WORKING AROUND OR UNDER THEM. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE RELEVANT SERVICE PROVIDER AS TO CLEARANCES.

- MISCELLANEOUS**
- THE LOCATION OF ALL EXISTING SIGNS ARE TO BE RECORDED PRIOR TO THE COMMENCEMENT OF WORKS AND ANY REMOVED TO MAKE WAY FOR THE WORKS ARE TO BE REINSTATED TO ORIGINAL POSITION OR TO A LOCATION AS DIRECTED BY SUPERVISING ENGINEER.
 - ALL LINE MARKING IS TO BE REINSTATED IN ORIGINAL POSITION WHERE DISTURBED OR REMOVED BY CONCRETE PAVEMENT AND OR ASPHALT REPLACEMENT UNLESS OTHERWISE SHOWN.
 - REMOVE EXIST. VEHICLE CROSSINGS RAMPS AND RECONSTRUCT TO COUNCIL STANDARDS AND DETAILS SHOWN
 - ALL EXISTING HOUSE DRAINS SHALL BE RECONNECTED TO THE UNDERGROUND DRAINAGE SYSTEM UNLESS SHOWN OTHERWISE OR DIRECTED BY THE SUPERVISING ENGINEER IN ACCORDANCE WITH COUNCIL STANDARD DRAWINGS MCC-301 TO MCC-304 AT A MINIMUM GRADE OF 1:100. INSPECTION OPENING TO BE PLACED OUTSIDE CONCRETE PATH UNLESS OTHERWISE SPECIFIED. NOT ALL HOUSE WATER DRAINS MAY BE SHOWN, CONTRACTOR TO CHECK DURING CONSTRUCTION AND CONNECT IN ACCORDANCE TO COUNCIL REQUIREMENTS.

ROAD AND CAR PARK UPGRADE WORKS

CHARTER STREET, RINGWOOD



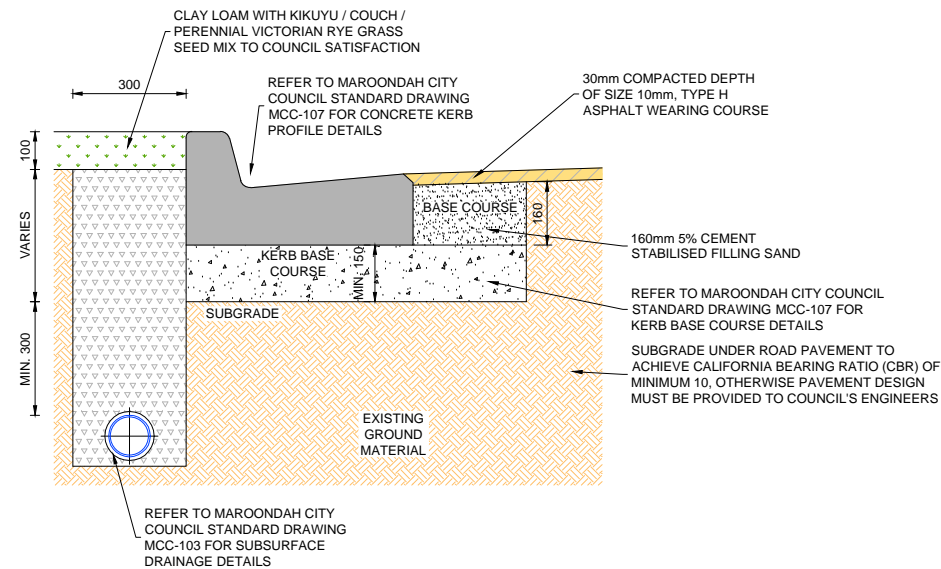
WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATION OF EXISTING UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

DRAWING INDEX

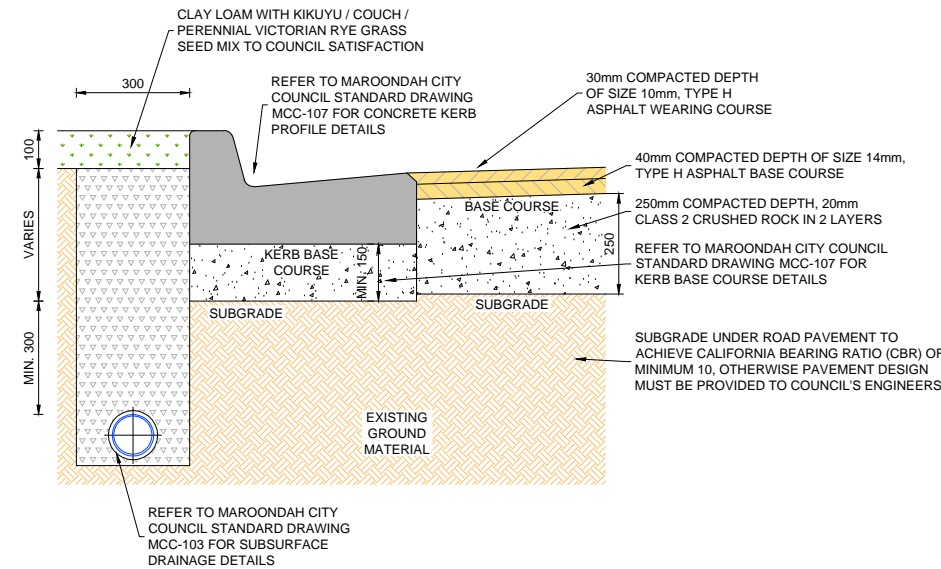
| SHEET No. | TITLE |
|-----------|---|
| 1 | TITLE SHEET - LOCALITY PLAN, NOTES, DRAWING INDEX & PAVEMENT DETAIL |
| 2 | OVERALL PLAN |
| 3 | EXISTING CONDITIONS AND DEMOLITION PLAN |
| 4 | EXISTING CONDITIONS AND DEMOLITION PLAN |
| 5 | EXISTING CONDITIONS AND DEMOLITION PLAN |
| 6 | GENERAL LAYOUT PLAN |
| 7 | GENERAL LAYOUT PLAN |
| 8 | GENERAL LAYOUT PLAN |
| 9 | SIGNS AND LINEMARKING PLAN |
| 10 | SIGNS AND LINEMARKING PLAN |
| 11 | SIGNS AND LINEMARKING PLAN |
| 12 | TYPICAL CROSS SECTIONS |
| 13 | SWEEP PATH ANALYSIS PLAN - UNDERCOVER CAR PARK ENTRY / EXIT |
| 14 | SWEEP PATH ANALYSIS PLAN - No. 54 VEHICLE CROSSING |
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| 16 | SWEEP PATH ANALYSIS PLAN - BUNNINGS TRADE ENTRY / EXIT |
| 17 | SWEEP PATH ANALYSIS PLAN - BUNNINGS LOADING DOCK |
| 18 | SWEEP PATH ANALYSIS PLAN - No. 34-38 VEHICLE CROSSING |

- GENERAL NOTES**
- ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWINGS AND SPECIFICATIONS UNLESS SPECIFIED OTHERWISE.
 - WHERE WORKS ARE IN THE VICINITY OF EXISTING SERVICES, THE CONTRACTOR SHALL VERIFY ALL LOCATIONS AND DEPTHS PRIOR TO THE COMMENCEMENT OF WORKS. THE CONTRACTOR SHALL ADVISE THE SUPERINTENDENT OF ANY REQUIRED ALTERATIONS.
 - ALL WORK PRACTICES SHALL COMPLY WITH THE OCCUPATIONAL HEALTH & SAFETY ACT AND ALL RELEVANT REGULATIONS AND CODES OF PRACTICE. (IN PARTICULAR, THE CODE OF PRACTICE FOR SAFETY PRECAUTIONS IN TRENCHING OPERATIONS).
 - WORKSAFE VICTORIA IS TO BE INFORMED FOR TRENCHING OPERATIONS WHERE THE DEPTH IS GREATER THAN 1.5M.
 - THE CONTRACTOR SHALL STRICTLY COMPLY WITH "NO GO ZONE" CLEARANCE REQUIREMENTS WHEN WORKING WITHIN THE VICINITY OF OVERHEAD ELECTRICAL ASSETS/CABLES. FOR ANY OPERATION WHICH ENCLOSES ON THE 3.0M "NO GO ZONE", THE CONTRACTOR SHALL OBTAIN A WRITTEN PERMIT TO WORK FROM WORKSAFE. FOR FURTHER INFORMATION ON "NO GO ZONE" CLEARANCE REQUIREMENTS, REFER TO CURRENT WORKSAFE VICTORIA PUBLICATIONS (WWW.WORKSAFE.VIC.GOV.AU)
 - ALL CONCRETE SHALL BE SAWCUT TO THE NEAREST JOINT UNLESS SPECIFIED OTHERWISE.
 - ALL SERVICE COVERS WITHIN THE LIMIT OF WORKS SHALL BE ADJUSTED TO MATCH PROPOSED FINISHED SURFACE LEVELS.
 - NO TREES SHALL BE REMOVED UNLESS AUTHORISED BY MAROONDAH CITY COUNCIL.
 - ALL DISTURBED AREAS SHALL BE TOPSOILED AND SEEDED TO A MINIMUM DEPTH OF 100mm. NATURE STRIPS SHALL BE GRADED EVENLY FROM THE TOP OF KERB TO THE FRONT OF PATH OR AS DIRECTED.
 - SITE EROSION CONTROL AND MINIMISATION MEASURES SHALL BE ADOPTED AT ALL TIMES IN ACCORDANCE WITH THE ENVIRONMENTAL PROTECTION AUTHORITY'S ENVIRONMENTAL GUIDELINES FOR MAJOR CONSTRUCTION SITES.
 - TRAFFIC MANAGEMENT IS TO BE UNDERTAKEN IN ACCORDANCE WITH THE ROAD MANAGEMENT ACT 2004 AND AS1742.3. ALL SIGNAGE (TEMPORARY AND PERMANENT) SHALL BE CLASS 1 REFLECTIVE GRADE.
 - AN APPROVED COPY OF PLANS AND SPECIFICATIONS SHALL BE AVAILABLE ON SITE AT ALL TIMES DURING CONSTRUCTION.
 - ALL CONCRETE TO HAVE COMPRESSIVE STRENGTH AT 28 DAYS NOT LESS THAN 25 MPa.
 - ALL LINEMARKING TO BE IN ACCORDANCE WITH AS1742.1 AND TO BE LONG LIFE THERMOPLASTIC IN ACCORDANCE WITH VICROADS SECTION 724.

- SEDIMENT CONTROL**
- CONTRACTORS SHALL ENSURE THAT ALL WORKS COMPLY WITH THE REQUIREMENTS OF THE ENVIRONMENT PROTECTION AUTHORITY PUBLICATION "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL"-EPA PUBLICATION NO. 175.
 - CONTRACTORS SHALL INSTALL MEASURES TO ENSURE ANY SEDIMENT OR LITTER GENERATED AS A RESULT OF THE WORKS IS CONTAINED ON THE SITE. THESE MEASURES SHALL INCLUDE DEVICES SUCH AS SILT FENCES WHICH ARE TO BE LOCATED AT ALL SOURCES OF SEDIMENT SUCH AS EARTHWORKS STOCKPILED, ENDS OF ROAD EXCAVATION, DRAINAGE OUTLETS ETC.
 - CONTRACTORS SHALL ENSURE THAT VEHICLES ASSOCIATED WITH THE WORKS DO NOT DEPOSIT DIRT OR RUBBISH ONTO ROADS. ANY MATERIAL DEPOSITED SHALL BE PROMPTLY CLEANED UP WITHOUT CONTAMINATING ANY WATERWAY.
 - THE CONTRACTORS SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL SEDIMENT AND LITTER CONTROL DEVICES THROUGHOUT THE DURATION OF THE PROJECT AND THE CONTRACT MAINTENANCE PERIOD.



KERB RENEWAL DETAIL
AS DIRECTED BY MAROONDAH CITY COUNCIL



FULL DEPTH PAVEMENT DETAIL
IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-101

| VER | DESCRIPTION | DATE |
|-----|---------------------------------------|------------|
| A21 | FUNCTIONAL DESIGN - ISSUED FOR REVIEW | 02-05-2024 |

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PRO CIVIL CONSULTING ENGINEERING
Specialist Civil Engineering Design Consultants

PRO CIVIL CONSULTING PTY LTD
PO BOX 164, RINGWOOD VIC 3134
P: (03) 8644 6834
E: info@procivil.com.au
www.procivil.com.au

CHARTERED AND REGISTERED PROFESSIONAL ENGINEER VICTORIA
CHRIS PROCTOR (RPEV REGISTRATION No. 00056028)

ORIENTATION

OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE
AS SHOWN @ A1

HEIGHT DATUM
AHD

COORDINATE DATUM
MGA 94 ZONE 55

SURVEY DATE
17-07-2018

AERIAL IMAGE DATE
28-06-2022

LOCAL GOVERNMENT AREA
CITY OF MAROONDAH

CLIENT

CLIENT PROJECT MANAGER / CONTACT
DOUG SMITH | MAROONDAH CITY COUNCIL

FUNCTIONAL DESIGN

ROAD AND CAR PARK UPGRADE WORKS
CHARTER STREET, RINGWOOD

TITLE SHEET - LOCALITY PLAN, NOTES, DRAWING INDEX & PAVEMENT DETAIL

PROJECT No.
PC18003

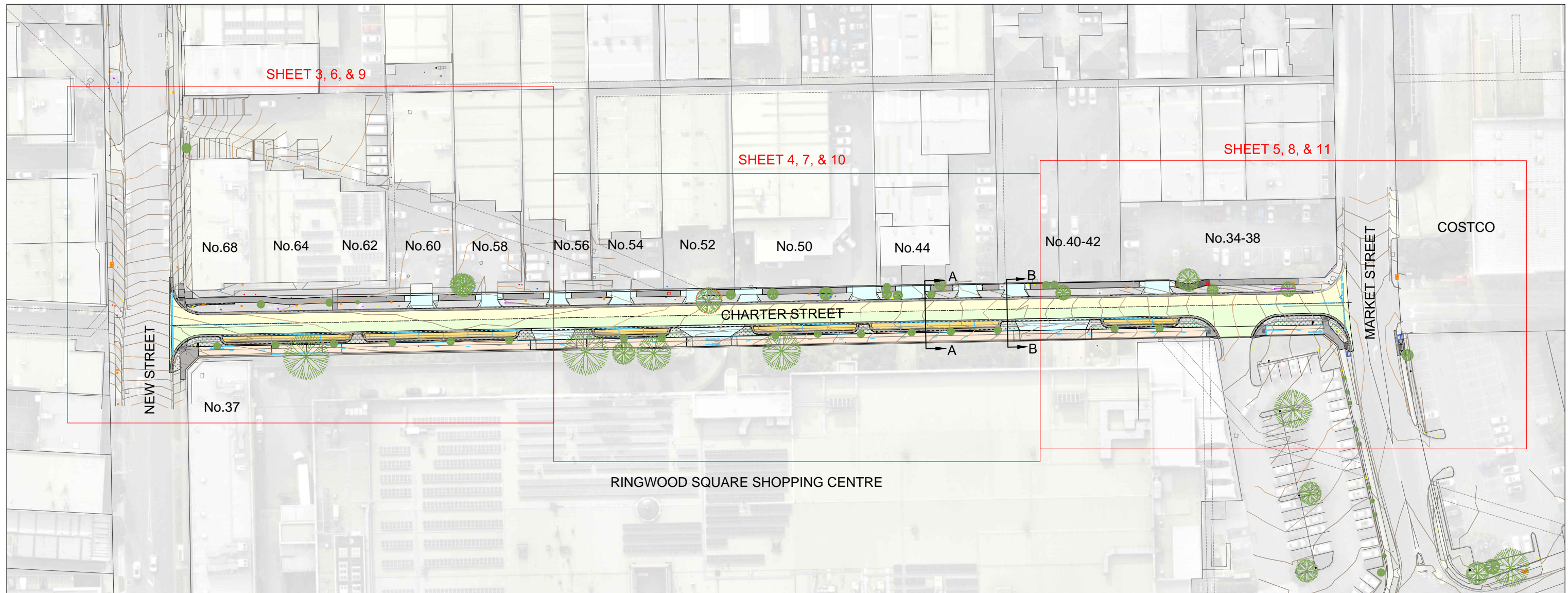
SHEET No.
01 OF 18

VERSION
A21

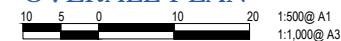
DWG No.
PC18003 - 01 A21



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OVERALL PLAN



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













ROAD AND CAR PARK UPGRADE WORKS

CHARTER STREET, RINGWOOD

OVERALL PLAN

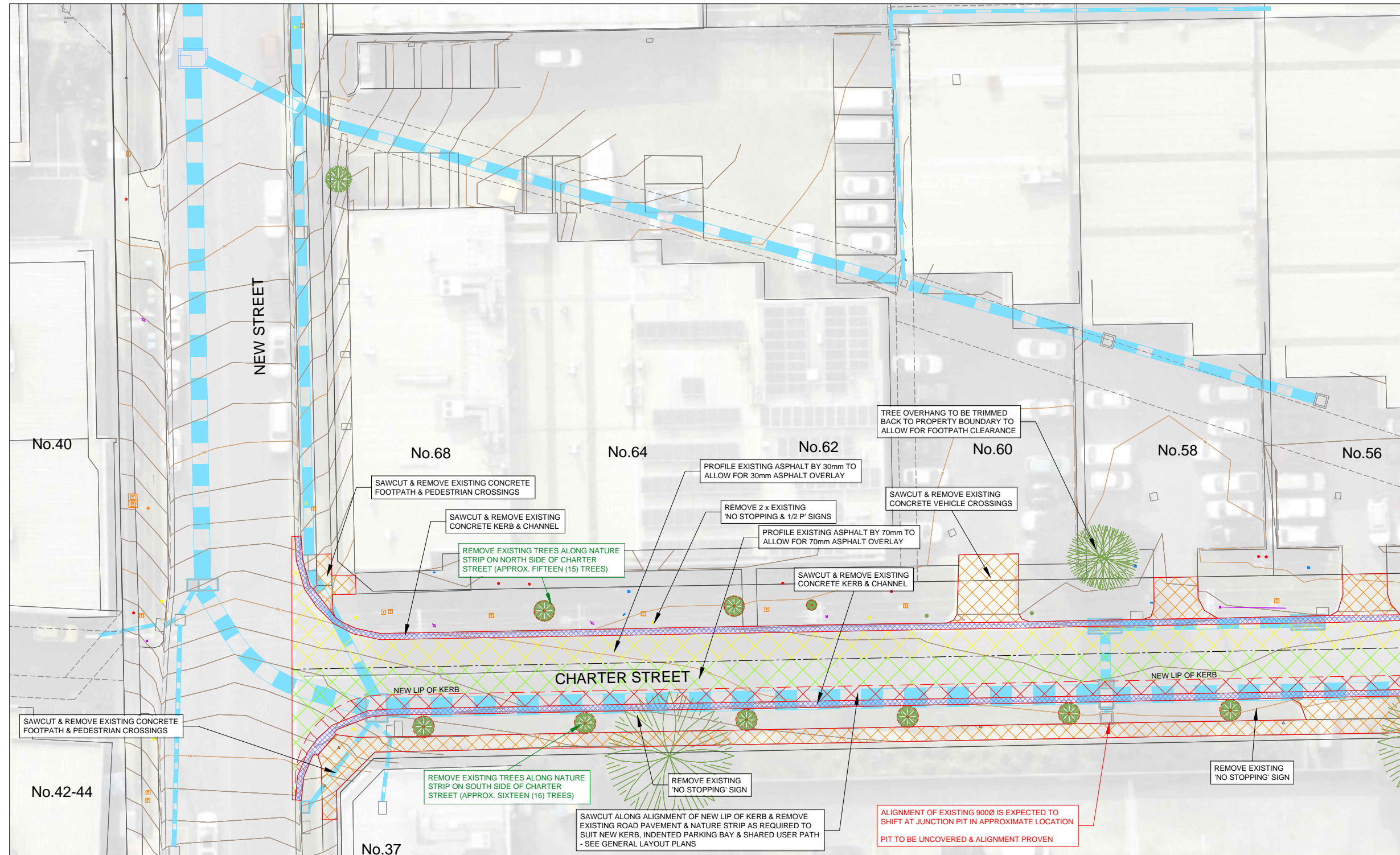
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| PROJECT No. | PC18003 |
| SHEET No. | 02 OF 18 |
| VERSION | A21 |
| DWG No. | PC18003 - 02 A21 |

DEMOLITION LEGEND

-  EXISTING CONCRETE FOOTPATHS, PEDESTRIAN CROSSINGS & VEHICLE CROSSING TO BE SAWCUT AT EXISTING TOOL JOINTS AND REMOVED
-  EXISTING CONCRETE KERB AND CHANNEL TO BE SAWCUT AT EXISTING TOOL JOINTS AND REMOVED
-  EXISTING ASPHALT PAVEMENT TO BE PROFILED (MIN. 30mm) AS REQUIRED TO REINSTATE NEW ASPHALT PAVEMENT AT FINISHED SURFACE LEVELS
-  EXISTING ASPHALT PAVEMENT TO BE PROFILED (MIN. 70mm) AS REQUIRED TO REINSTATE NEW ASPHALT PAVEMENT AT FINISHED SURFACE LEVELS
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-  EX W - EXISTING WATER
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-  EX S - EXISTING SEWER
-  EX T - EXISTING TELECOMMUNICATIONS
-  EX E - EXISTING UNDERGROUND ELECTRICITY
-  EX C - EXISTING CONTOUR MAJOR (1.0m)
-  EX C - EXISTING CONTOUR MINOR (0.2m)
-  EX D - EXISTING DRAINAGE PIPE
-  EX T - EXISTING TREE TO BE REMOVED



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CONTINUED ON SHEET 04

EXISTING CONDITIONS AND DEMOLITION PLAN



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












FUNCTIONAL DESIGN

ROAD AND CAR PARK UPGRADE WORKS
CHARTER STREET, RINGWOOD

EXISTING CONDITIONS AND DEMOLITION PLAN

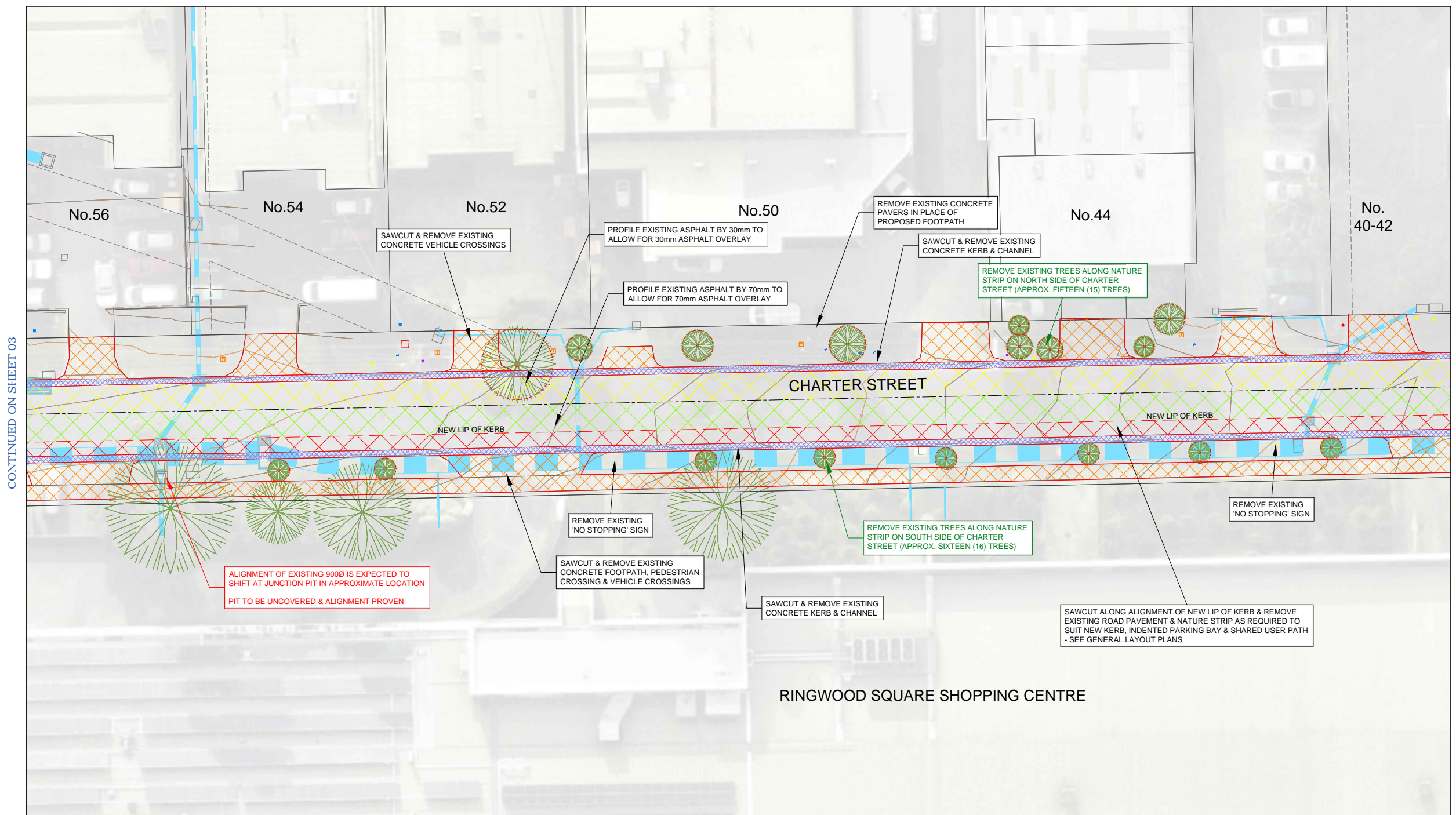
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| PROJECT No. | PC18003 |
| SHEET No. | 03 OF 18 |
| VERSION | A21 |
| DWG No. | PC18003 - 03 A21 |

DEMOLITION LEGEND

-  EXISTING CONCRETE FOOTPATHS, PEDESTRIAN CROSSINGS & VEHICLE CROSSING TO BE SAWCUT AT EXISTING TOOL JOINTS AND REMOVED
-  EX W EXISTING WATER
-  EX G EXISTING GAS
-  EX S EXISTING SEWER
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EXISTING CONDITIONS AND DEMOLITION PLAN



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













ROAD AND CAR PARK UPGRADE WORKS

CHARTER STREET, RINGWOOD

EXISTING CONDITIONS AND DEMOLITION PLAN

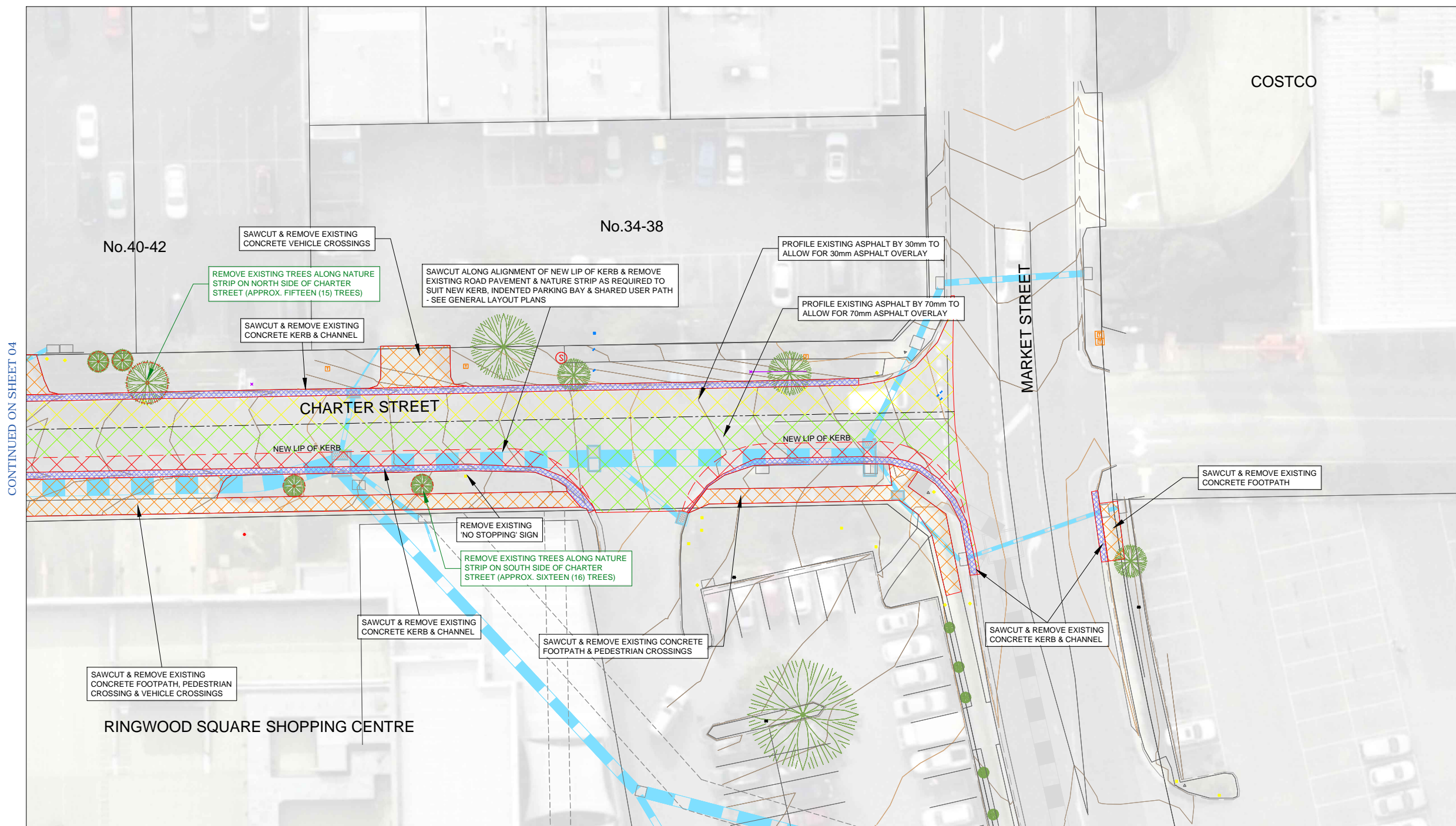
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| SHEET No. | 04 OF 18 |
| VERSION | A21 |
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EXISTING CONDITIONS AND DEMOLITION PLAN



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FUNCTIONAL DESIGN

ROAD AND CAR PARK UPGRADE WORKS
CHARTER STREET, RINGWOOD

EXISTING CONDITIONS AND DEMOLITION PLAN

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| PROJECT No. | PC18003 |
| SHEET No. | 05 OF 18 |
| VERSION | A21 |
| DWG No. | PC18003 - 05 A21 |

LEGEND

- 30mm DEPTH MILL & FILL ASPHALT WEARING COURSE (REFER TO TYPICAL SECTION)
- 70mm DEPTH MILL & FILL ASPHALT WEARING COURSE AND BASE COURSE (REFER TO TYPICAL SECTION)
- 320mm DEPTH FULL DEPTH PAVEMENT CONSTRUCTION (REFER TO PAVEMENT DETAIL ON SHEET 01)
- 125mm THICK CONCRETE FOOTPATH WITH SL72 MESH REINFORCEMENT IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-401
- ASPHALT FOOTPATH WITH NO FINES CONCRETE IN GENERAL ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-402

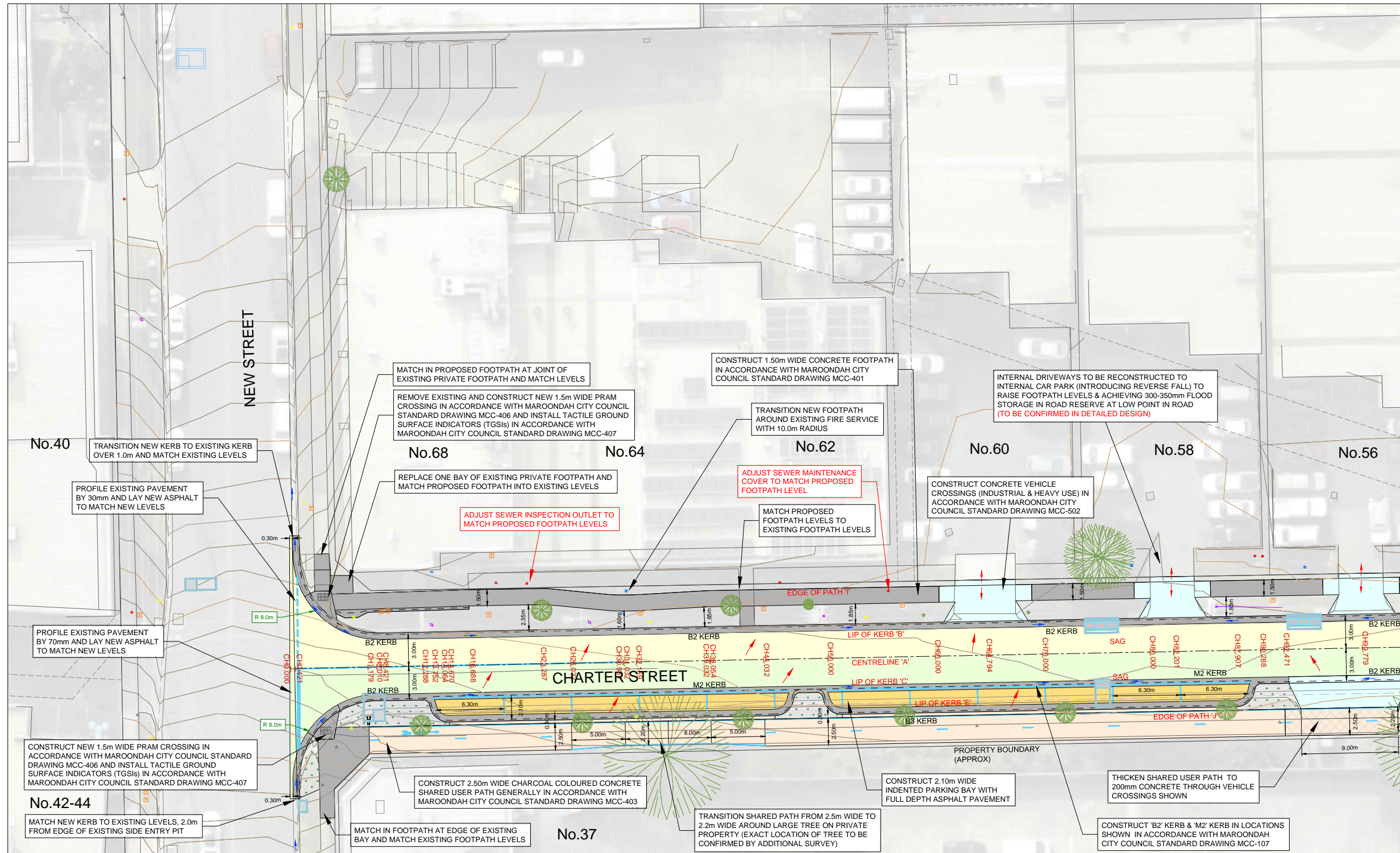
- 150mm THICK CHARCOAL COLOURED CONCRETE SHARED USER PATH WITH SL82 MESH REINFORCEMENT ON 50mm CRUSHED ROCK BEDDING GENERALLY IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-403
- 200mm THICK CHARCOAL COLOURED CONCRETE SHARED USER PATH WITH SL82 MESH REINFORCEMENT ON 50mm CRUSHED ROCK BEDDING GENERALLY IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-403
- EXISTING DRAINAGE PIT AND PIPE
- FUTURE DRAINAGE PIT AND PIPE
- PROPOSED PAVEMENT GRADE

- EXISTING CONTOUR MAJOR
- EXISTING CONTOUR MINOR
- FINISHED SURFACE CONTOUR MAJOR (1.0m)
- FINISHED SURFACE CONTOUR MINOR (0.2m)
- EX W - EXISTING WATER
- EX G - EXISTING GAS
- EX S - EXISTING SEWER
- EX T - EXISTING TELECOMMUNICATIONS
- EX E - EXISTING UNDERGROUND ELECTRICITY

- 200mm THICK CONCRETE VEHICLE CROSSING (INDUSTRIAL & HEAVY USE) WITH SL82 MESH REINFORCEMENT ON 75mm CRUSHED ROCK BEDDING IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-502
- LANDSCAPING AREA TO BE REINSTATED WITH MAROONDAH CITY COUNCIL APPROVED TOPSOIL AND SEED
- DIRECTION OF CHANNEL FLOW
- PAVEMENT LINE MARKING
- PROPOSED CONCRETE KERB & CHANNEL IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-107



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



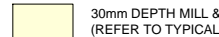
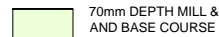
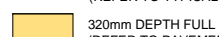
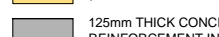
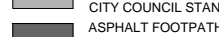

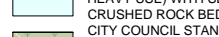
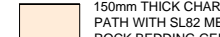

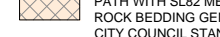

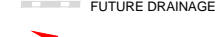
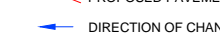
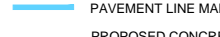
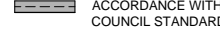









GENERAL LAYOUT PLAN



CONTINUED ON SHEET 07

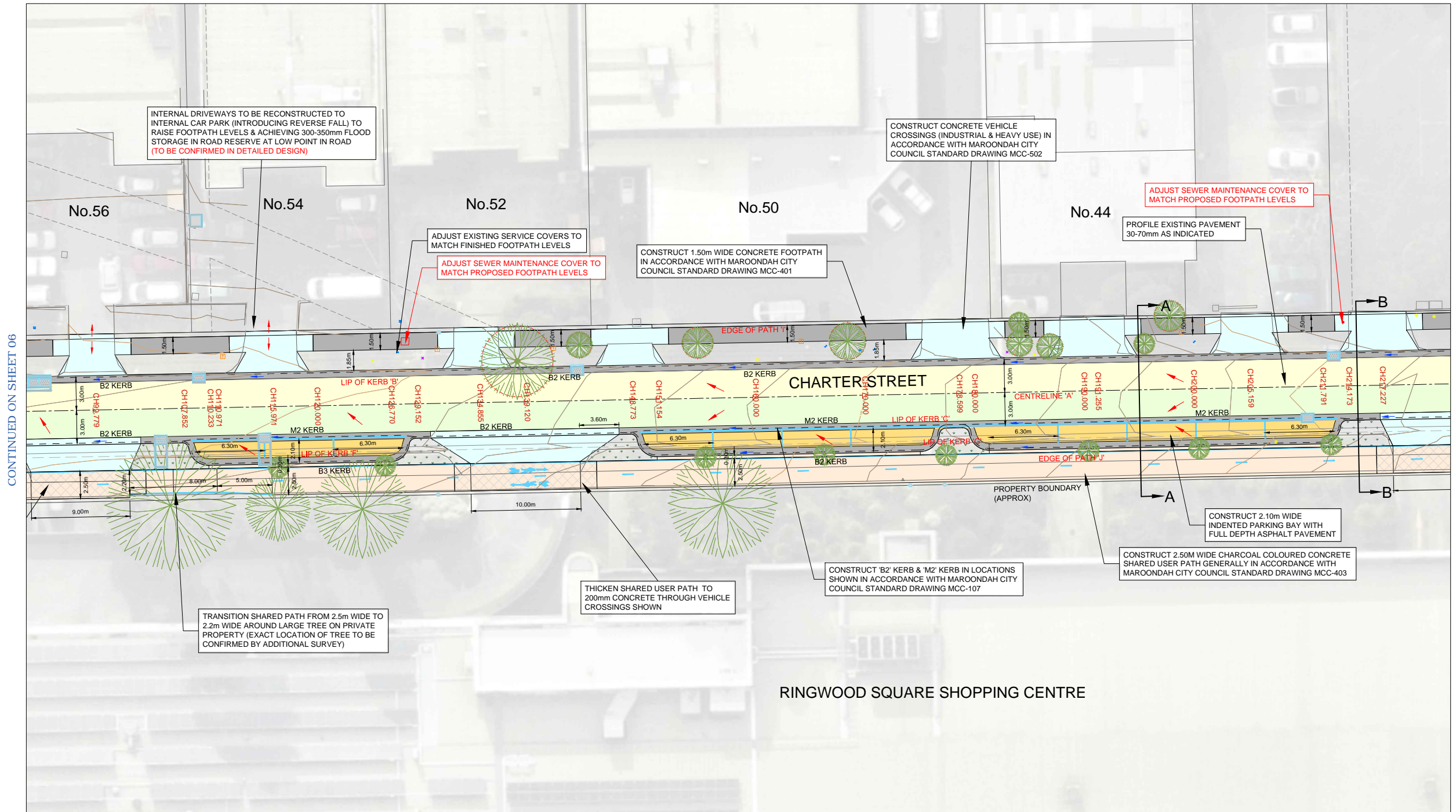
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|---|--|--|--------------------------------|---|--|---|---|
| A21 FUNCTIONAL DESIGN - ISSUED FOR REVIEW VER DESCRIPTION DATE | CONSULTANT ENGINEER PROCIVIL CONSULTING ENGINEERING Specialist Civil Engineering Design Consultants 02-05-2024 | PROCVIL CONSULTING PTY LTD PO BOX 164, RINGWOOD VIC 3134 P: (03) 8644 6834 E: info@procivil.com.au www.procivil.com.au | ORIENTATION OR AS SHOWN | ORIGINAL SCALE & SHEET SIZE AS SHOWN @ A1 HEIGHT DATUM AHD COORDINATE DATUM MGA 94 ZONE 55 SURVEY DATE 17-07-2018 AERIAL IMAGE DATE 28-06-2022 | LOCAL GOVERNMENT AREA CITY OF MAROONDAH CLIENT CLIENT PROJECT MANAGER / CONTACT DOUG SMITH MAROONDAH CITY COUNCIL | FUNCTIONAL DESIGN ROAD AND CAR PARK UPGRADE WORKS CHARTER STREET, RINGWOOD GENERAL LAYOUT PLAN | PROJECT No. PC18003 SHEET No. 06 OF 18 VERSION A21 DWG No. PC18003 - 06 A21 |
| | | | | | | | |

LEGEND

-  30mm DEPTH MILL & FILL ASPHALT WEARING COURSE (REFER TO TYPICAL SECTION)
-  70mm DEPTH MILL & FILL ASPHALT WEARING COURSE AND BASE COURSE (REFER TO TYPICAL SECTION)
-  320mm DEPTH FULL DEPTH PAVEMENT CONSTRUCTION (REFER TO PAVEMENT DETAIL ON SHEET 01)
-  125mm THICK CONCRETE FOOTPATH WITH SL72 MESH REINFORCEMENT IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-401
-  ASPHALT FOOTPATH WITH NO FINES CONCRETE IN GENERAL ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-402
-  200mm THICK CONCRETE VEHICLE CROSSING (INDUSTRIAL & HEAVY USE) WITH SL82 MESH REINFORCEMENT ON 75mm CRUSHED ROCK BEDDING IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-502
-  LANDSCAPING AREA TO BE REINSTATED WITH MAROONDAH CITY COUNCIL APPROVED TOPSOIL AND SEED
-  150mm THICK CHARCOAL COLOURED CONCRETE SHARED USER PATH WITH SL82 MESH REINFORCEMENT ON 50mm CRUSHED ROCK BEDDING GENERALLY IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-403
-  200mm THICK CHARCOAL COLOURED CONCRETE SHARED USER PATH WITH SL82 MESH REINFORCEMENT ON 50mm CRUSHED ROCK BEDDING GENERALLY IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-403
-  EXISTING DRAINAGE PIT AND PIPE
-  FUTURE DRAINAGE PIT AND PIPE
-  PROPOSED PAVEMENT GRADE
-  DIRECTION OF CHANNEL FLOW
-  PAVEMENT LINE MARKING
-  PROPOSED CONCRETE KERB & CHANNEL IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-107
-  EXISTING CONTOUR MAJOR
-  EXISTING CONTOUR MINOR
-  FINISHED SURFACE CONTOUR MAJOR (1.0m)
-  FINISHED SURFACE CONTOUR MINOR (0.2m)
-  EXISTING WATER
-  EXISTING GAS
-  EXISTING SEWER
-  EXISTING TELECOMMUNICATIONS
-  EXISTING UNDERGROUND ELECTRICITY



WARNING
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GENERAL LAYOUT PLAN



| | | |
|-----|---------------------------------------|------------|
| VER | DESCRIPTION | DATE |
| A21 | FUNCTIONAL DESIGN - ISSUED FOR REVIEW | 02-05-2024 |

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www.procivil.com.au

CHARTERED AND REGISTERED PROFESSIONAL ENGINEER VICTORIA
CHRIS PROCTOR (RPEV REGISTRATION No. 0005608)

ORIENTATION

OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE
AS SHOWN @ A1

HEIGHT DATUM
AHD

COORDINATE DATUM
MGA 94 ZONE 55

SURVEY DATE
17-07-2018

AERIAL IMAGE DATE
28-06-2022

LOCAL GOVERNMENT AREA
CITY OF MAROONDAH

CLIENT

CLIENT PROJECT MANAGER / CONTACT
DOUG SMITH | MAROONDAH CITY COUNCIL

FUNCTIONAL DESIGN

ROAD AND CAR PARK UPGRADE WORKS

CHARTER STREET, RINGWOOD

GENERAL LAYOUT PLAN

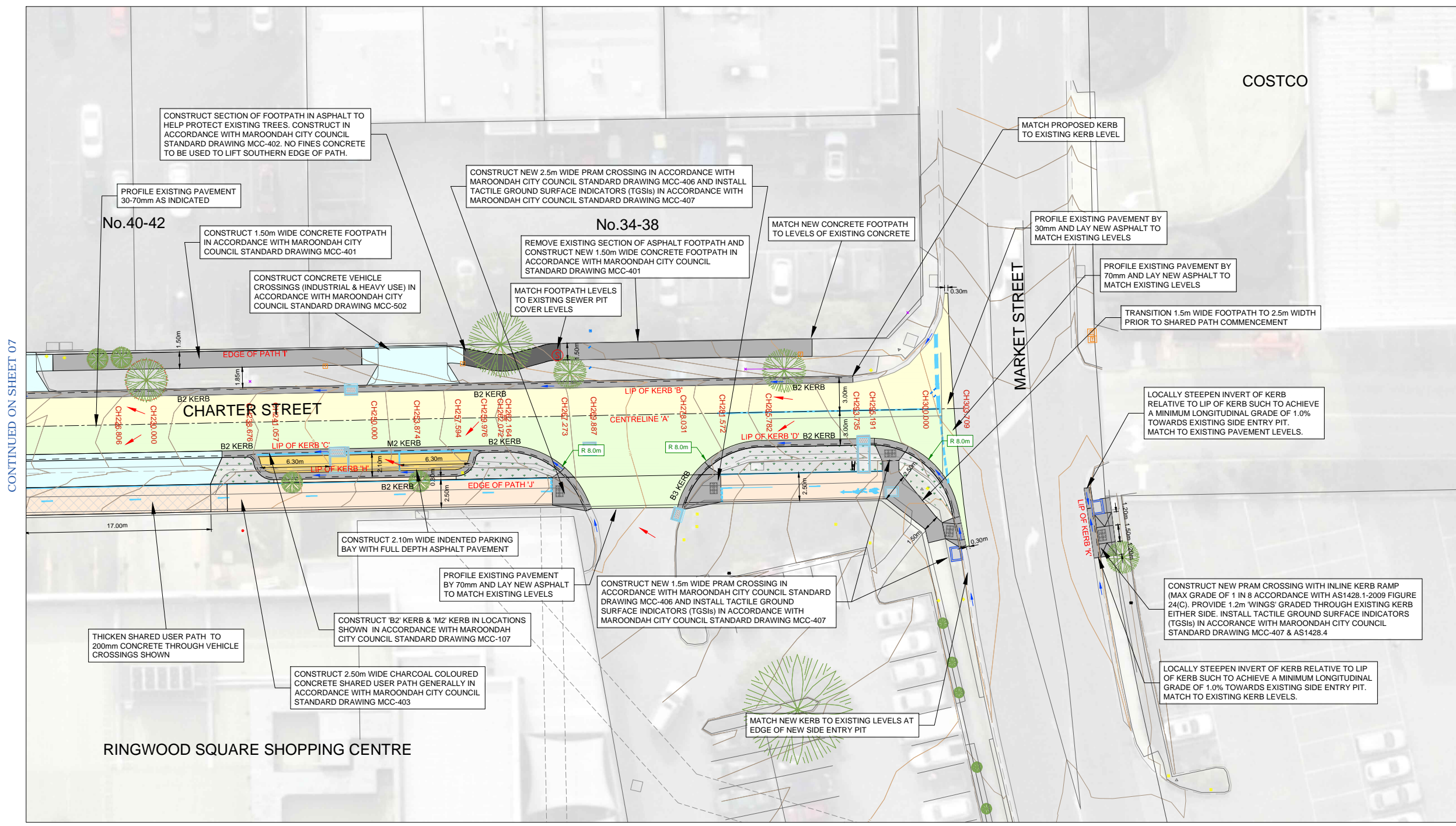
| | |
|-------------|------------------|
| PROJECT No. | PC18003 |
| SHEET No. | 07 OF 18 |
| VERSION | A21 |
| DWG No. | PC18003 - 07 A21 |

LEGEND

- 30mm DEPTH MILL & FILL ASPHALT WEARING COURSE (REFER TO TYPICAL SECTION)
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- EXISTING CONTOUR MAJOR
- EXISTING CONTOUR MINOR
- FINISHED SURFACE CONTOUR MAJOR (1.0m)
- FINISHED SURFACE CONTOUR MINOR (0.2m)
- EX W EXISTING WATER
- EX G EXISTING GAS
- EX S EXISTING SEWER
- EX T EXISTING TELECOMMUNICATIONS
- EX E EXISTING UNDERGROUND ELECTRICITY



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GENERAL LAYOUT PLAN



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| VER | DESCRIPTION | DATE |
| A21 | FUNCTIONAL DESIGN - ISSUED FOR REVIEW | 02-05-2024 |

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CHRIS PROCTOR (RPEV REGISTRATION No. 0005608)

ORIENTATION

OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE
AS SHOWN @ A1

HEIGHT DATUM
AHD

COORDINATE DATUM
MGA 94 ZONE 55

SURVEY DATE
17-07-2018

AERIAL IMAGE DATE
28-06-2022

LOCAL GOVERNMENT AREA
CITY OF MAROONDAH

CLIENT

CLIENT PROJECT MANAGER / CONTACT
DOUG SMITH | MAROONDAH CITY COUNCIL

FUNCTIONAL DESIGN

ROAD AND CAR PARK UPGRADE WORKS

CHARTER STREET, RINGWOOD

GENERAL LAYOUT PLAN

| | |
|-------------|------------------|
| PROJECT No. | PC18003 |
| SHEET No. | 08 OF 18 |
| VERSION | A21 |
| DWG No. | PC18003 - 08 A21 |

SIGN LEGEND



R8-2
QUANTITY: 4



R7-4
QUANTITY: 2



R1-2
(SPECIAL 375mm HIGH)
QUANTITY: 2

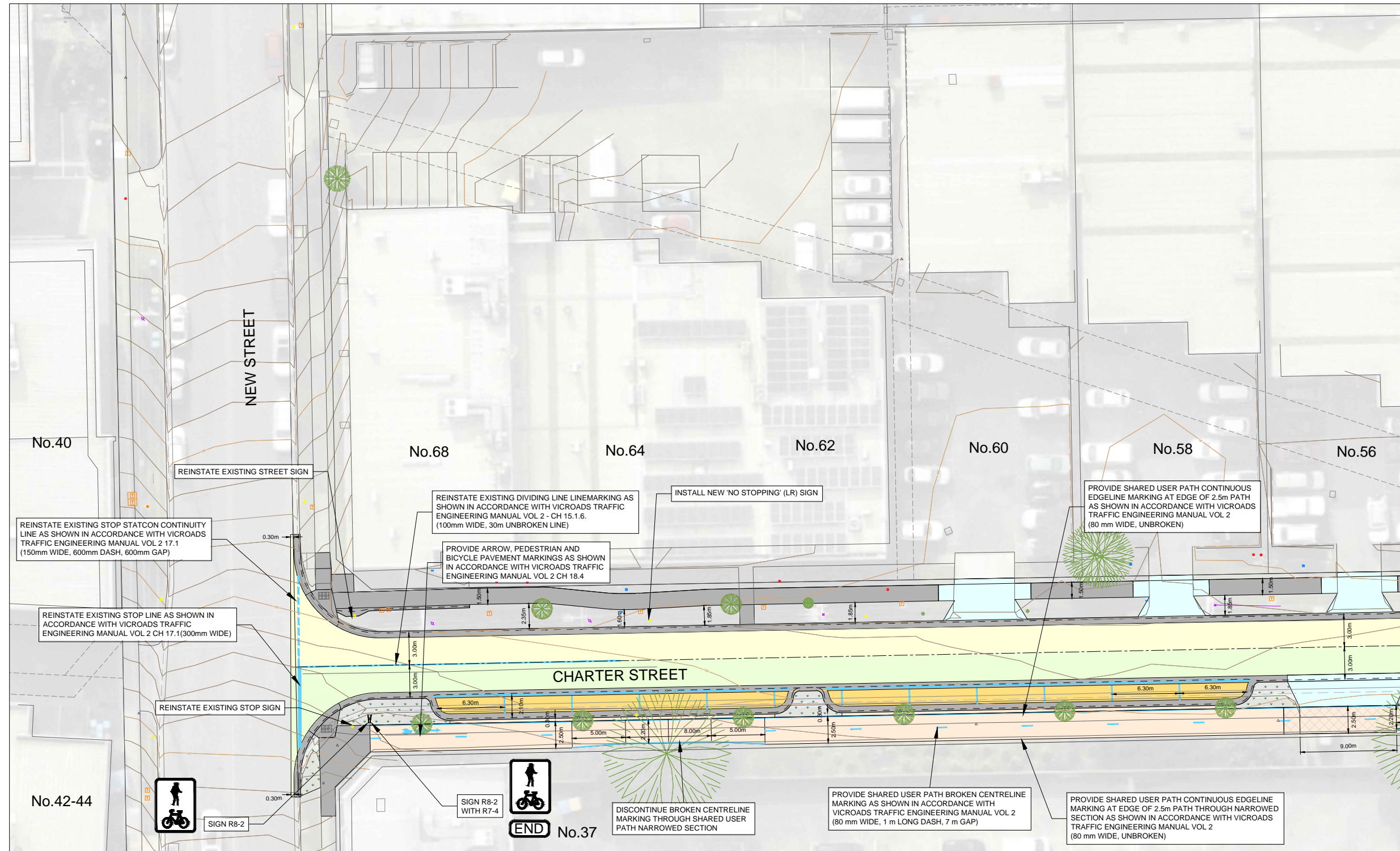


R5-35-1 (LR)
QUANTITY: 2

SIGNS SHOWN AS



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CONTINUED ON SHEET 10

SIGNS AND LINEMARKING PLAN



| | | |
|-----|---------------------------------------|------------|
| VER | DESCRIPTION | DATE |
| A21 | FUNCTIONAL DESIGN - ISSUED FOR REVIEW | 02-05-2024 |

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ORIENTATION

OR AS SHOWN

| | |
|-----------------------------|----------------|
| ORIGINAL SCALE & SHEET SIZE | AS SHOWN @ A1 |
| HEIGHT DATUM | AHD |
| COORDINATE DATUM | MGA 94 ZONE 55 |
| SURVEY DATE | 17-07-2018 |
| AERIAL IMAGE DATE | 28-06-2022 |

LOCAL GOVERNMENT AREA
CITY OF MAROONDAH

CLIENT

CLIENT PROJECT MANAGER / CONTACT
DOUG SMITH | MAROONDAH CITY COUNCIL

FUNCTIONAL DESIGN

ROAD AND CAR PARK UPGRADE WORKS

CHARTER STREET, RINGWOOD

SIGNS AND LINEMARKING PLAN

| | |
|-------------|------------------|
| PROJECT No. | PC18003 |
| SHEET No. | 09 OF 18 |
| VERSION | A21 |
| DWG No. | PC18003 - 09 A21 |

SIGN LEGEND



R8-2
QUANTITY: 4



R7-4
QUANTITY: 2



R1-2
(SPECIAL 375mm HIGH)
QUANTITY: 2

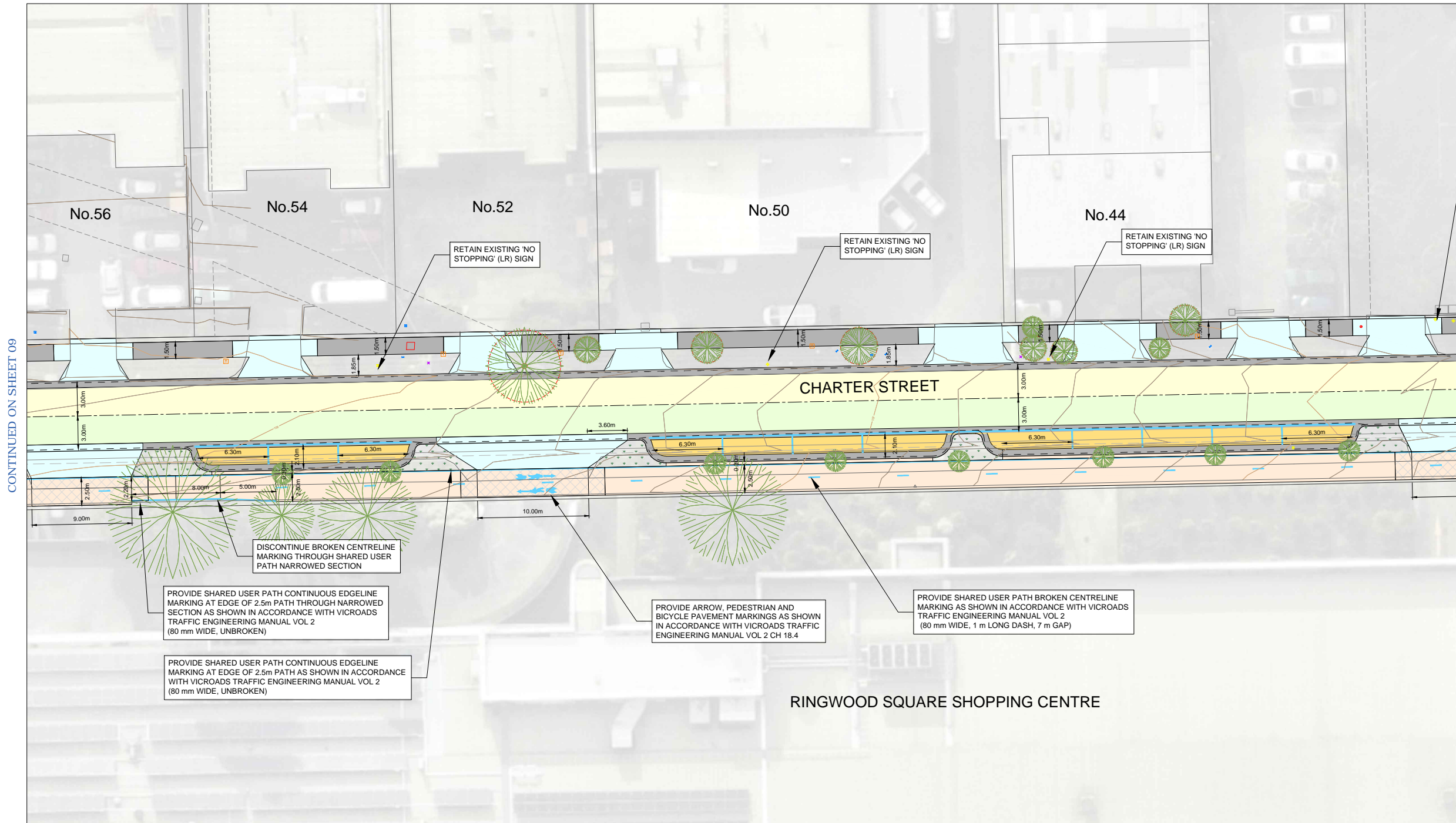


R5-35-1 (LR)
QUANTITY: 2

SIGNS SHOWN AS



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CONTINUED ON SHEET 09

CONTINUED ON SHEET 11

SIGNS AND LINEMARKING PLAN



| | | |
|-----|---------------------------------------|------------|
| VER | DESCRIPTION | DATE |
| A21 | FUNCTIONAL DESIGN - ISSUED FOR REVIEW | 02-05-2024 |

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ORIENTATION

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ORIGINAL SCALE & SHEET SIZE
AS SHOWN @ A1

HEIGHT DATUM
AHD

COORDINATE DATUM
MGA 94 ZONE 55

SURVEY DATE
17-07-2018

AERIAL IMAGE DATE
28-06-2022

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FUNCTIONAL DESIGN

ROAD AND CAR PARK UPGRADE WORKS
CHARTER STREET, RINGWOOD

SIGNS AND LINEMARKING PLAN

| | |
|-------------|------------------|
| PROJECT No. | PC18003 |
| SHEET No. | 10 OF 18 |
| VERSION | A21 |
| DWG No. | PC18003 - 10 A21 |

SIGN LEGEND



R8-2
QUANTITY: 4



R7-4
QUANTITY: 2



R1-2
(SPECIAL 375mm HIGH)
QUANTITY: 2

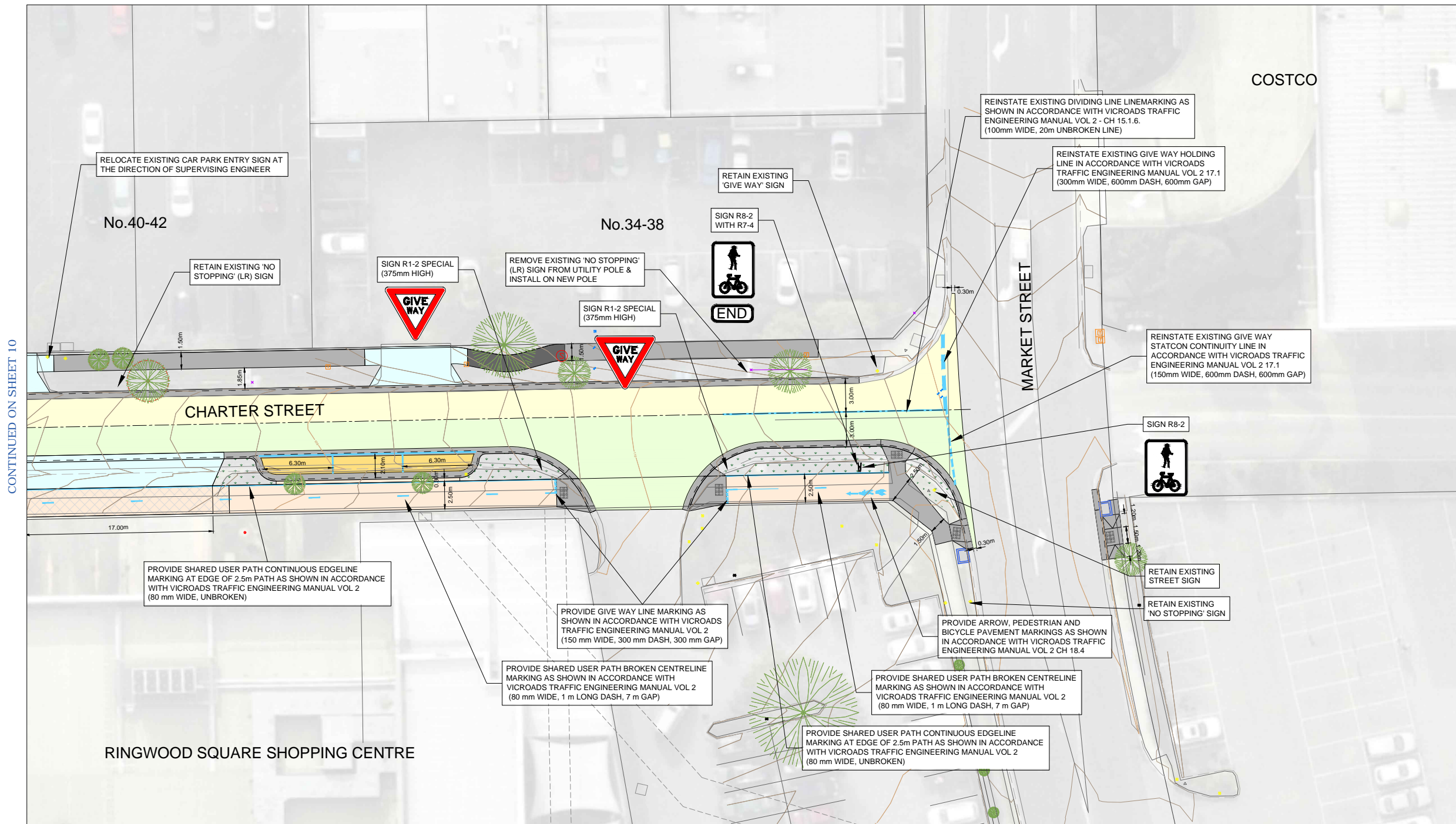


R5-35-1 (LR)
QUANTITY: 2

SIGNS SHOWN AS



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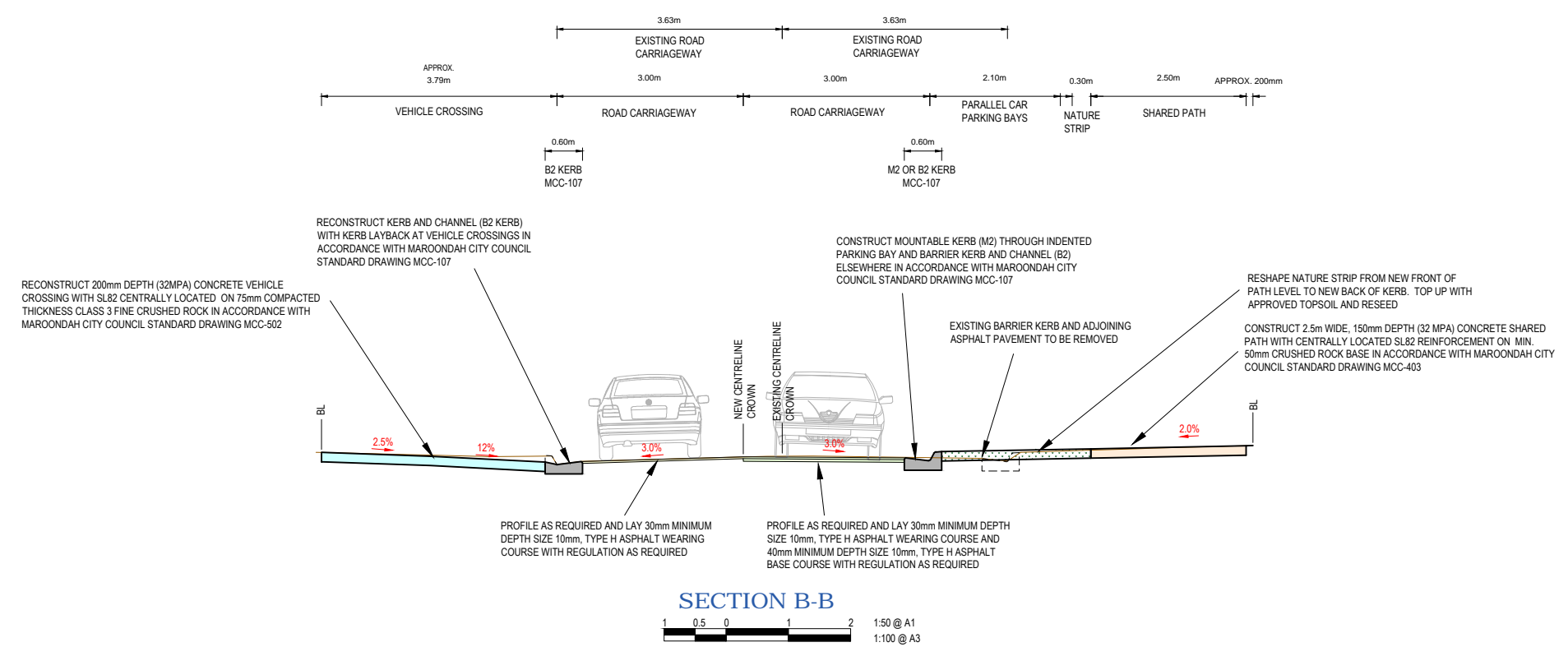
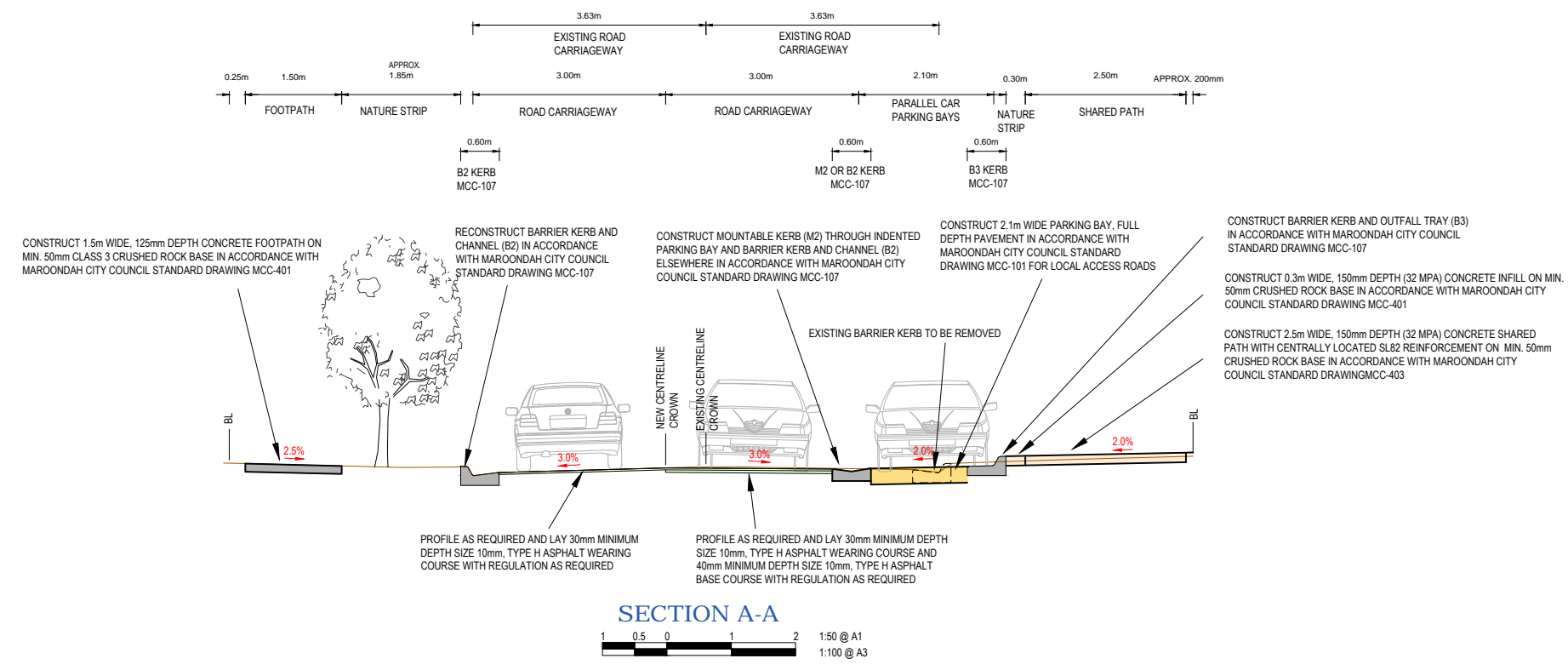
SIGNS AND LINEMARKING PLAN



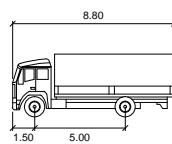
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| <p>CONSULTANT ENGINEER</p> <p>Specialist Civil Engineering Design Consultants</p> | | <p>PROCVIL CONSULTING PTY LTD</p> <p>PO BOX 164, RINGWOOD VIC 3134 P: (03) 8644 6834 E: info@procivil.com.au www.procivil.com.au</p> | | <p>ORIENTATION</p> <p>OR AS SHOWN</p> | | <p>ORIGINAL SCALE & SHEET SIZE</p> <p>AS SHOWN @ A1</p> <p>HEIGHT DATUM</p> <p>AHD</p> <p>COORDINATE DATUM</p> <p>MGA 94 ZONE 55</p> <p>SURVEY DATE</p> <p>17-07-2018</p> <p>AERIAL IMAGE DATE</p> <p>28-06-2022</p> | | <p>LOCAL GOVERNMENT AREA</p> <p>CITY OF MAROONDAH</p> <p>CLIENT</p> <p>CLIENT PROJECT MANAGER / CONTACT</p> <p>DOUG SMITH MAROONDAH CITY COUNCIL</p> | | <p>FUNCTIONAL DESIGN</p> <p>ROAD AND CAR PARK UPGRADE WORKS</p> <p>CHARTER STREET, RINGWOOD</p> <p>SIGNS AND LINEMARKING PLAN</p> | | <p>PROJECT No.</p> <p>PC18003</p> <p>SHEET No.</p> <p>11 OF 18</p> <p>VERSION</p> <p>A21</p> <p>DWG No.</p> <p>PC18003 - 11 A21</p> | |
| <p>A21 FUNCTIONAL DESIGN - ISSUED FOR REVIEW</p> <p>02-05-2024</p> | | | | | | | | | | | | | |



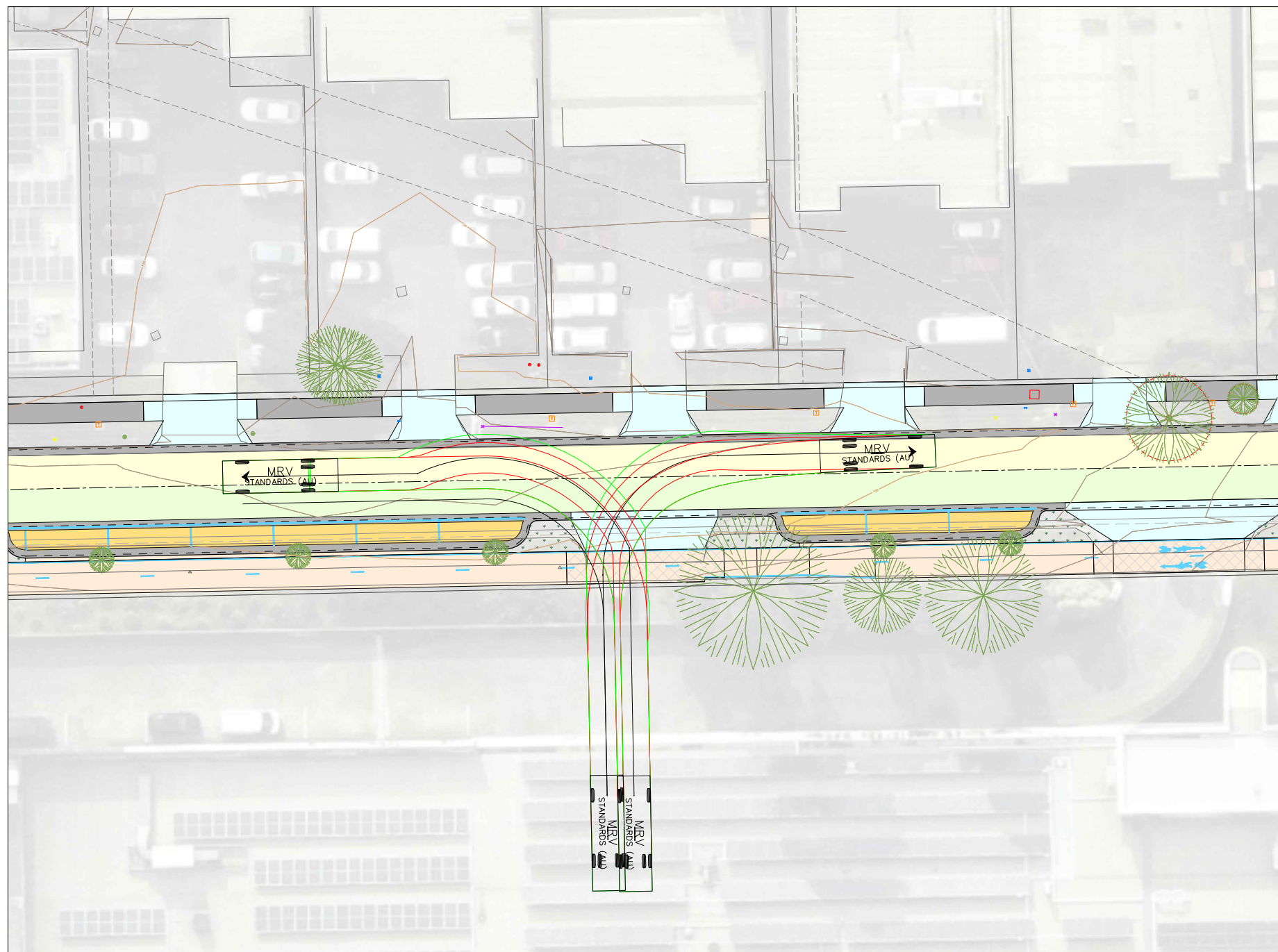
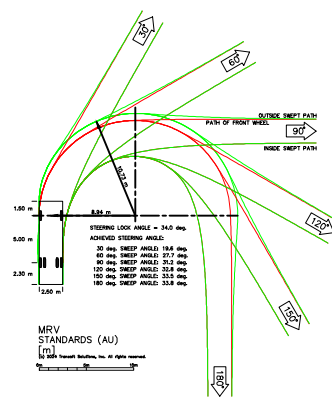
WARNING
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|---|---------------------------------------|--|------|--------------------------------|--|---|--|--|--|--|--|---|--|
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| A21 | FUNCTIONAL DESIGN - ISSUED FOR REVIEW | 02-05-2024 | DATE | | | | | | | | | | |



MRV
 Width : 8.80
 Track : 5.00
 Lock to Lock Time : 6.0
 Steering Angle : 34.0



SWEPT PATH ANALYSIS PLAN

UNDERCOVER CAR PARK ENTRY / EXIT



| VER | DESCRIPTION | DATE |
|-----|---------------------------------------|------------|
| A21 | FUNCTIONAL DESIGN - ISSUED FOR REVIEW | 02-05-2024 |

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CHARTERED AND REGISTERED PROFESSIONAL ENGINEER VICTORIA
CHRIS PROCTOR (RPEV REGISTRATION No. 0005606)

ORIENTATION

 OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE
 AS SHOWN @ A1

HEIGHT DATUM
 AHD

COORDINATE DATUM
 MGA 94 ZONE 55

SURVEY DATE
 17-07-2018

AERIAL IMAGE DATE
 28-06-2022

LOCAL GOVERNMENT AREA
CITY OF MAROONDAH

CLIENT

 City Council

CLIENT PROJECT MANAGER / CONTACT
 DOUG SMITH | MAROONDAH CITY COUNCIL

FUNCTIONAL DESIGN

ROAD AND CAR PARK UPGRADE WORKS

CHARTER STREET, RINGWOOD

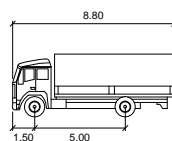
VEHICLE SWEEP PATH ANALYSIS PLAN
 UNDERCOVER CAR PARK ENTRY / EXIT

PROJECT No.
PC18003

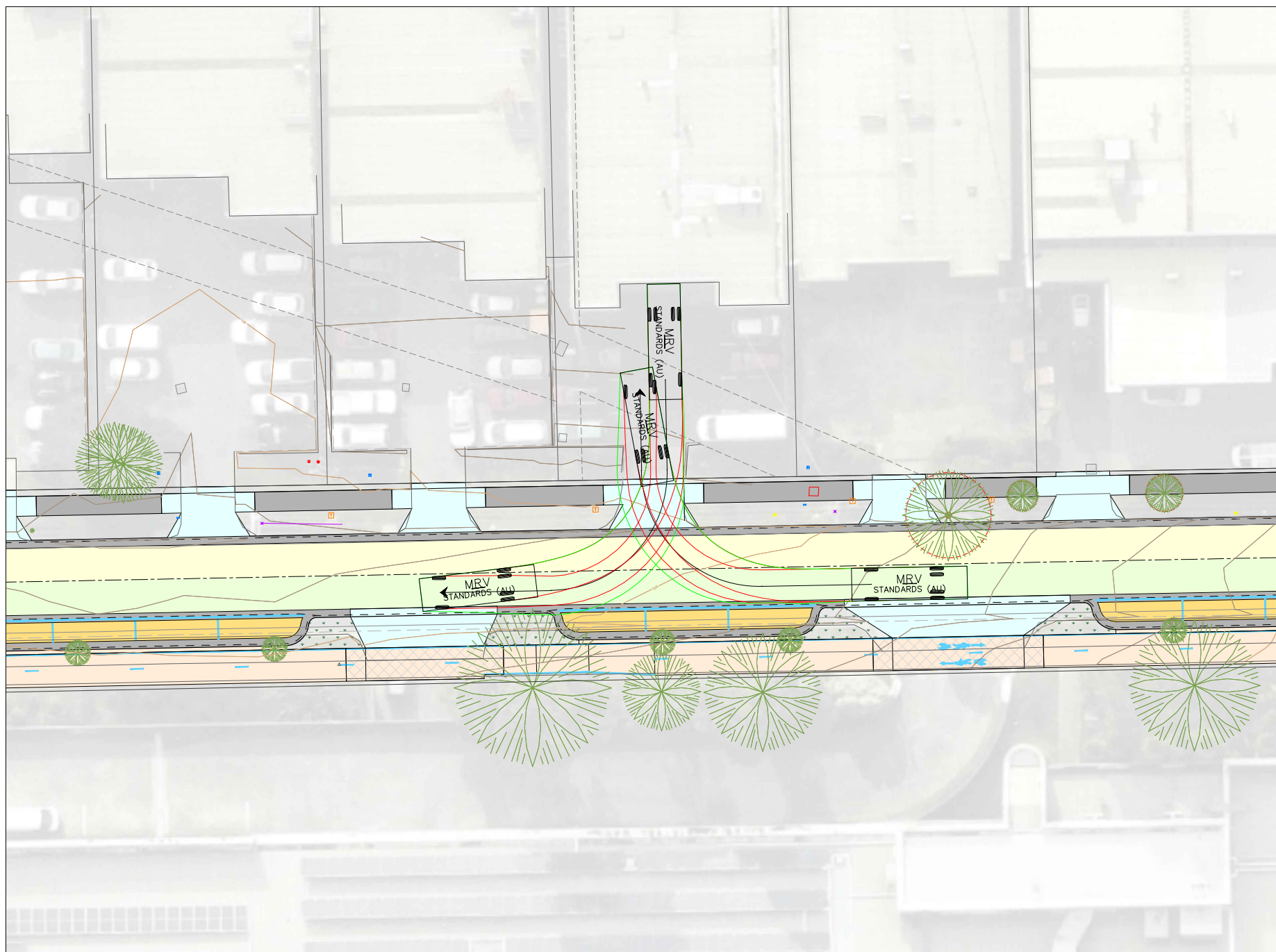
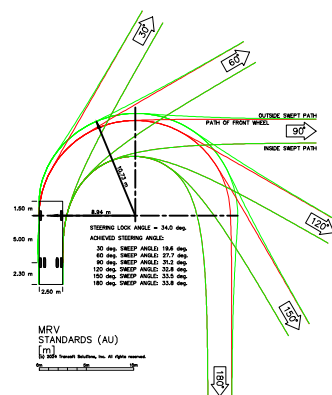
SHEET No.
13 OF 18

VERSION
A21

DWG No.
 PC18003 - 13 A21



MRV
 Width : 2.50
 Track : 2.50
 Lock to Lock Time : 6.0
 Steering Angle : 34.0



SWEPT PATH ANALYSIS PLAN

No. 54 VEHICLE CROSSING



| VER | DESCRIPTION | DATE |
|-----|---------------------------------------|------------|
| A21 | FUNCTIONAL DESIGN - ISSUED FOR REVIEW | 02-05-2024 |

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AERIAL IMAGE DATE
 28-06-2022

LOCAL GOVERNMENT AREA
CITY OF MAROONDAH

CLIENT

CLIENT PROJECT MANAGER / CONTACT
 DOUG SMITH | MAROONDAH CITY COUNCIL

FUNCTIONAL DESIGN

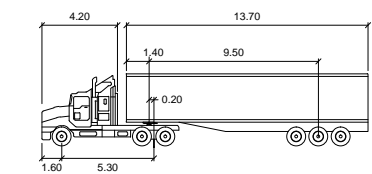
ROAD AND CAR PARK UPGRADE WORKS

CHARTER STREET, RINGWOOD

VEHICLE SWEEP PATH ANALYSIS PLAN

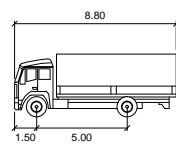
No. 54 VEHICLE CROSSING

| | |
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| PROJECT No. | PC18003 |
| SHEET No. | 14 OF 18 |
| VERSION | A21 |
| DWG No. | PC18003 - 14 A21 |



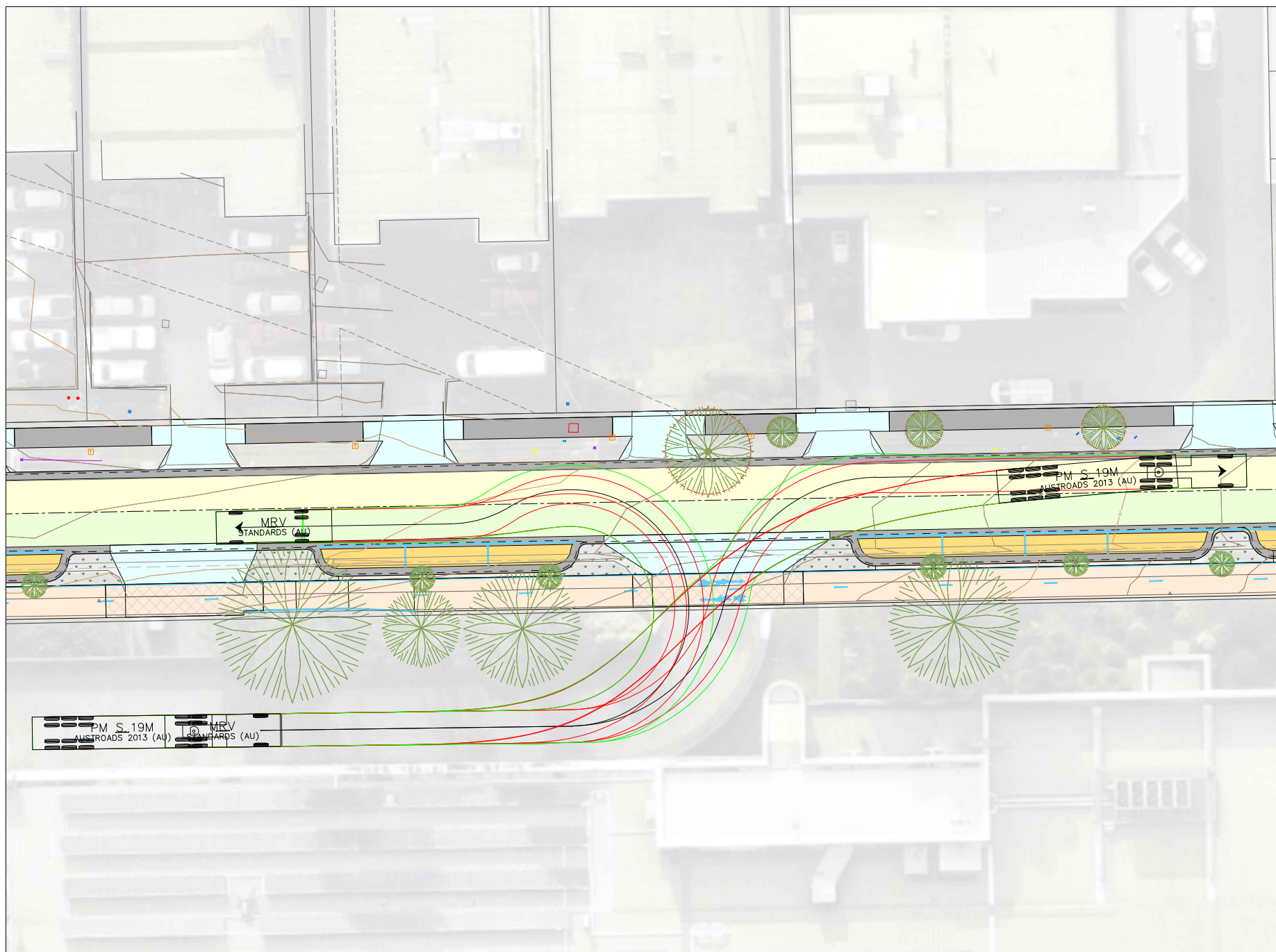
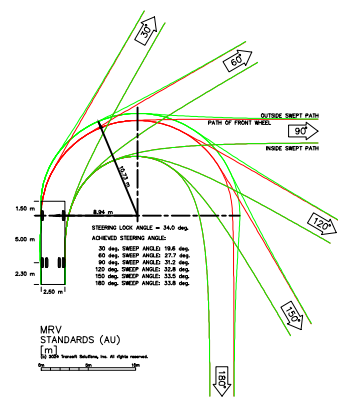
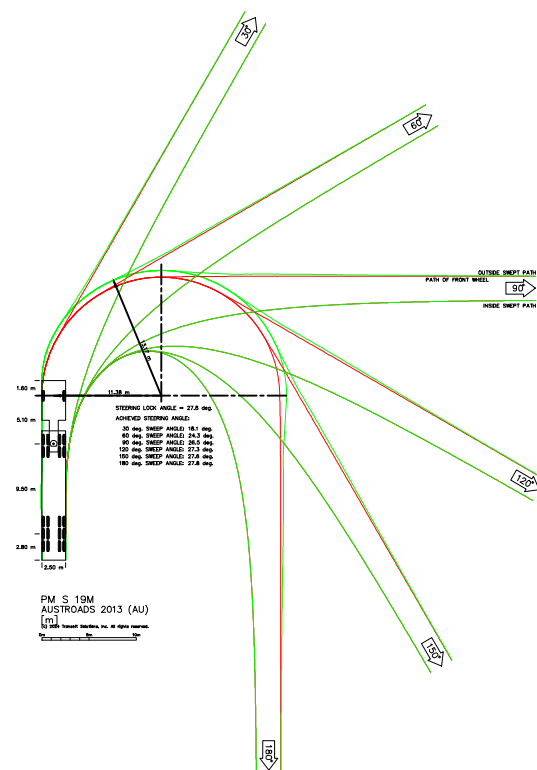
PMS 19M

| | | | |
|---------------|--------|--------------------|--------|
| Tractor Width | : 2.50 | Lock to Lock Time | : 6.0 |
| Tractor Track | : 2.50 | Steering Angle | : 27.8 |
| Tractor Track | : 2.50 | Articulating Angle | : 70.0 |
| Tractor Track | : 2.50 | | |



MRV

| | |
|-------------------|--------|
| Width | : 2.50 |
| Track | : 2.50 |
| Lock to Lock Time | : 6.0 |
| Steering Angle | : 34.0 |



SWEPT PATH ANALYSIS PLAN

COLES EXIT RAMP



| | | |
|-----|---------------------------------------|------------|
| VER | DESCRIPTION | DATE |
| A21 | FUNCTIONAL DESIGN - ISSUED FOR REVIEW | 02-05-2024 |

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CHARTERED AND REGISTERED PROFESSIONAL ENGINEER VICTORIA
CHRIS PROCTOR (RPEV REGISTRATION No. 00056068)

ORIENTATION

OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE
AS SHOWN @ A1

HEIGHT DATUM
AHD

COORDINATE DATUM
MGA 94 ZONE 55

SURVEY DATE
17-07-2018

AERIAL IMAGE DATE
28-06-2022

LOCAL GOVERNMENT AREA
CITY OF MAROONDAH

CLIENT

CLIENT PROJECT MANAGER / CONTACT
DOUG SMITH | MAROONDAH CITY COUNCIL

FUNCTIONAL DESIGN

ROAD AND CAR PARK UPGRADE WORKS

CHARTER STREET, RINGWOOD

VEHICLE SWEEP PATH ANALYSIS PLAN

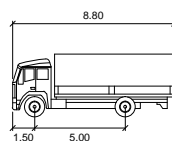
COLES EXIT RAMP

PROJECT No.
PC18003

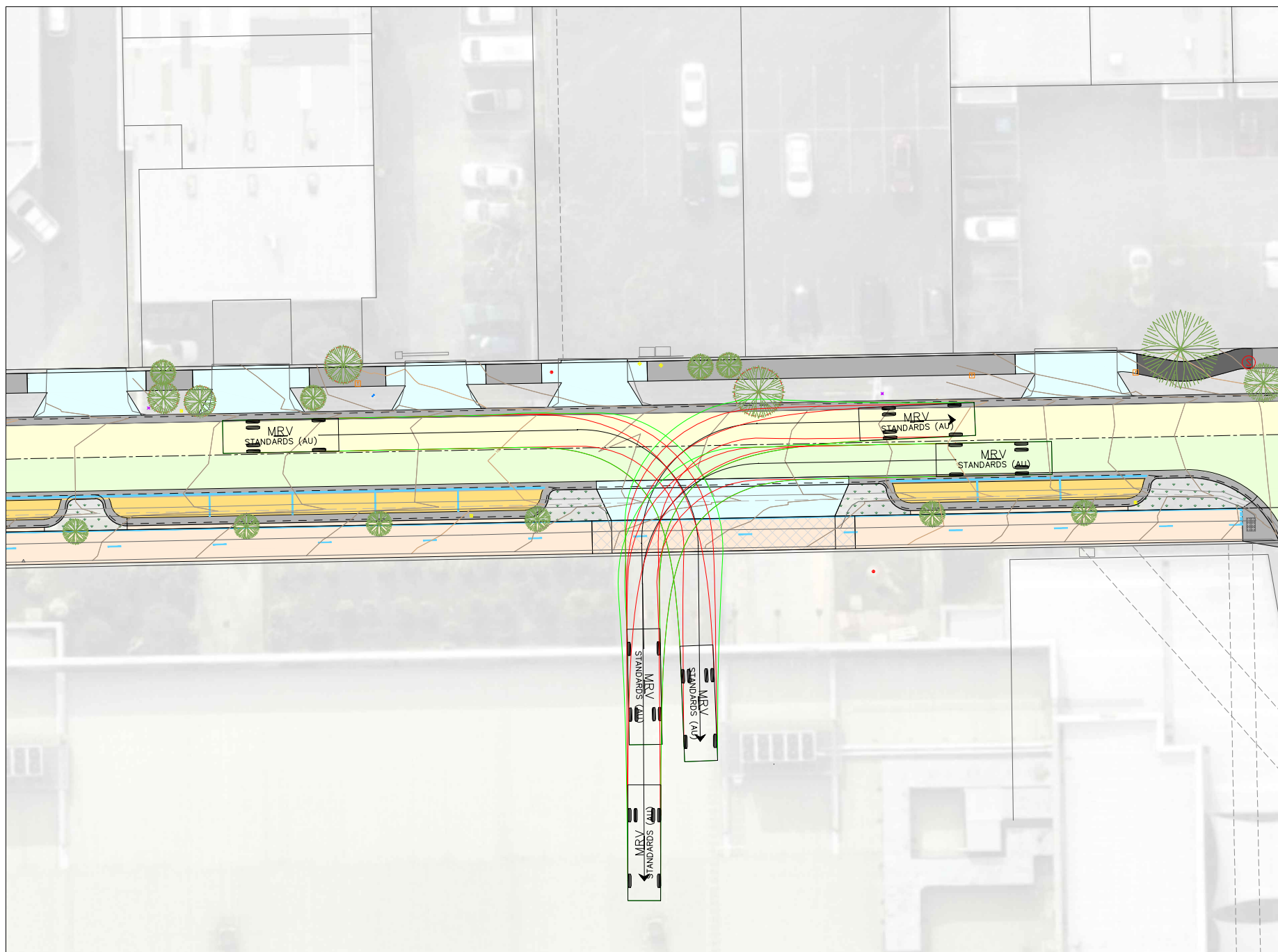
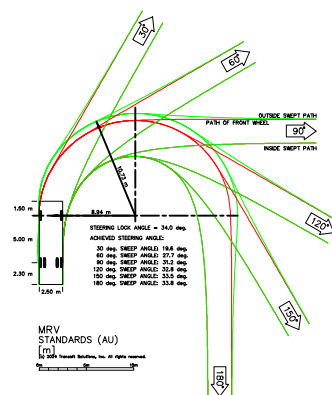
SHEET No.
15 OF 18

VERSION
A21

DWG No.
PC18003 - 15 A21



MRV
 Width : 2.50
 Track : 2.50
 Lock to Lock Time : 6.0
 Steering Angle : 34.0



SWEPT PATH ANALYSIS PLAN

BUNNINGS TRADE ENTRY / EXIT



| VER | DESCRIPTION | DATE |
|-----|---------------------------------------|------------|
| A21 | FUNCTIONAL DESIGN - ISSUED FOR REVIEW | 02-05-2024 |

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CHARTERED AND REGISTERED PROFESSIONAL ENGINEER VICTORIA
CHRIS PROCTOR (RPEV REGISTRATION No. 0005606)

ORIENTATION

OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE
AS SHOWN @ A1

HEIGHT DATUM
AHD

COORDINATE DATUM
MGA 94 ZONE 55

SURVEY DATE
17-07-2018

AERIAL IMAGE DATE
28-06-2022

LOCAL GOVERNMENT AREA
CITY OF MAROONDAH

CLIENT

CLIENT PROJECT MANAGER / CONTACT
DOUG SMITH | MAROONDAH CITY COUNCIL

FUNCTIONAL DESIGN

ROAD AND CAR PARK UPGRADE WORKS

CHARTER STREET, RINGWOOD

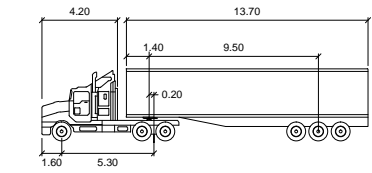
VEHICLE SWEEP PATH ANALYSIS PLAN
BUNNINGS TRADE ENTRY / EXIT

PROJECT No.
PC18003

SHEET No.
16 OF 18

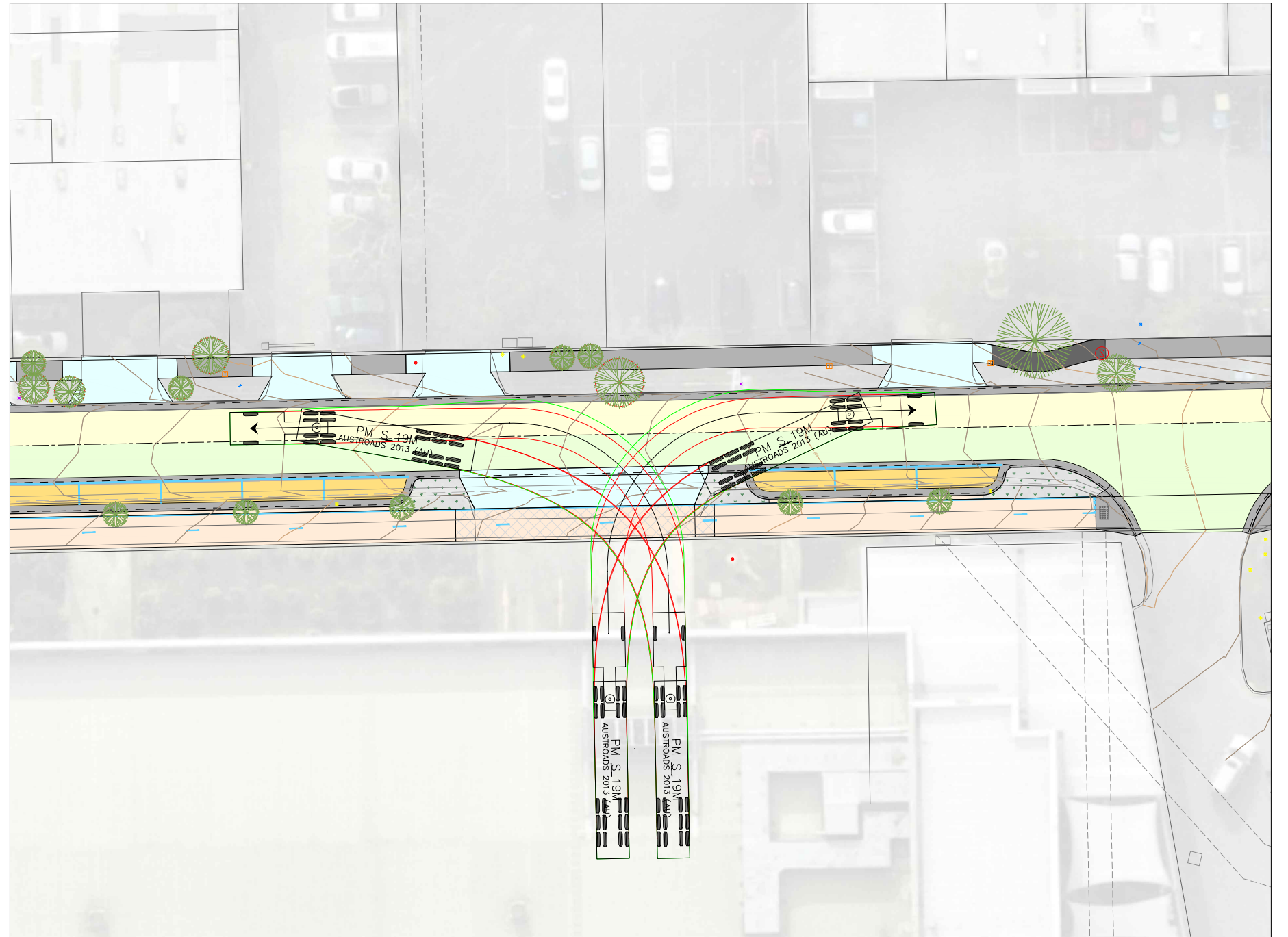
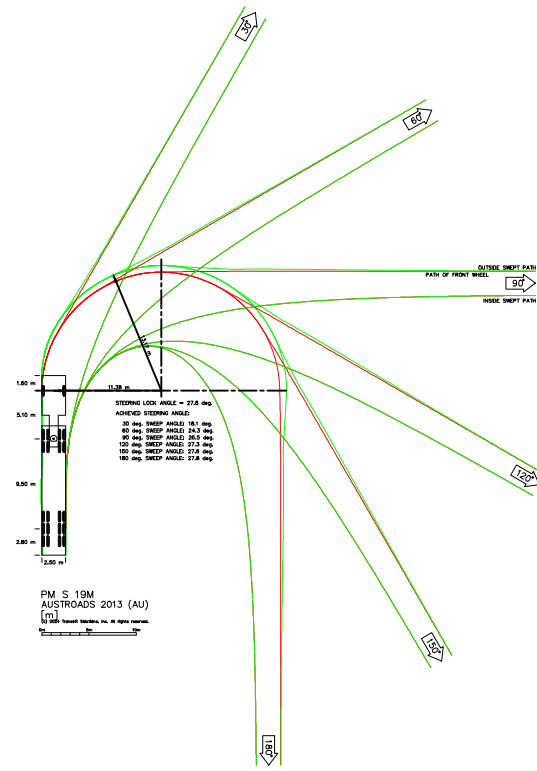
VERSION
A21

DWG No.
PC18003 - 16 A21

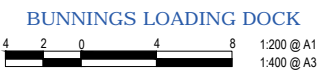


PM S 19M

| | metres | | |
|---------------|--------|--------------------|--------|
| Tractor Width | : 2.50 | Lock to Lock Time | : 6.0 |
| Tractor Track | : 2.50 | Steering Angle | : 27.8 |
| Trailer Track | : 2.50 | Articulating Angle | : 70.0 |
| Trailer Track | : 2.50 | | |



SWEPT PATH ANALYSIS PLAN



| VER | DESCRIPTION | DATE |
|-----|---------------------------------------|------------|
| A21 | FUNCTIONAL DESIGN - ISSUED FOR REVIEW | 02-05-2024 |

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ORIENTATION

OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE
AS SHOWN @ A1

HEIGHT DATUM
AHD

COORDINATE DATUM
MGA 94 ZONE 55

SURVEY DATE
17-07-2018

AERIAL IMAGE DATE
28-06-2022

LOCAL GOVERNMENT AREA
CITY OF MAROONDAH

CLIENT

CLIENT PROJECT MANAGER / CONTACT
DOUG SMITH | MAROONDAH CITY COUNCIL

FUNCTIONAL DESIGN

ROAD AND CAR PARK UPGRADE WORKS

CHARTER STREET, RINGWOOD

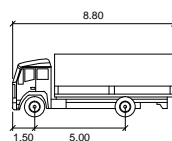
VEHICLE SWEEP PATH ANALYSIS PLAN
BUNNINGS LOADING DOCK

PROJECT No.
PC18003

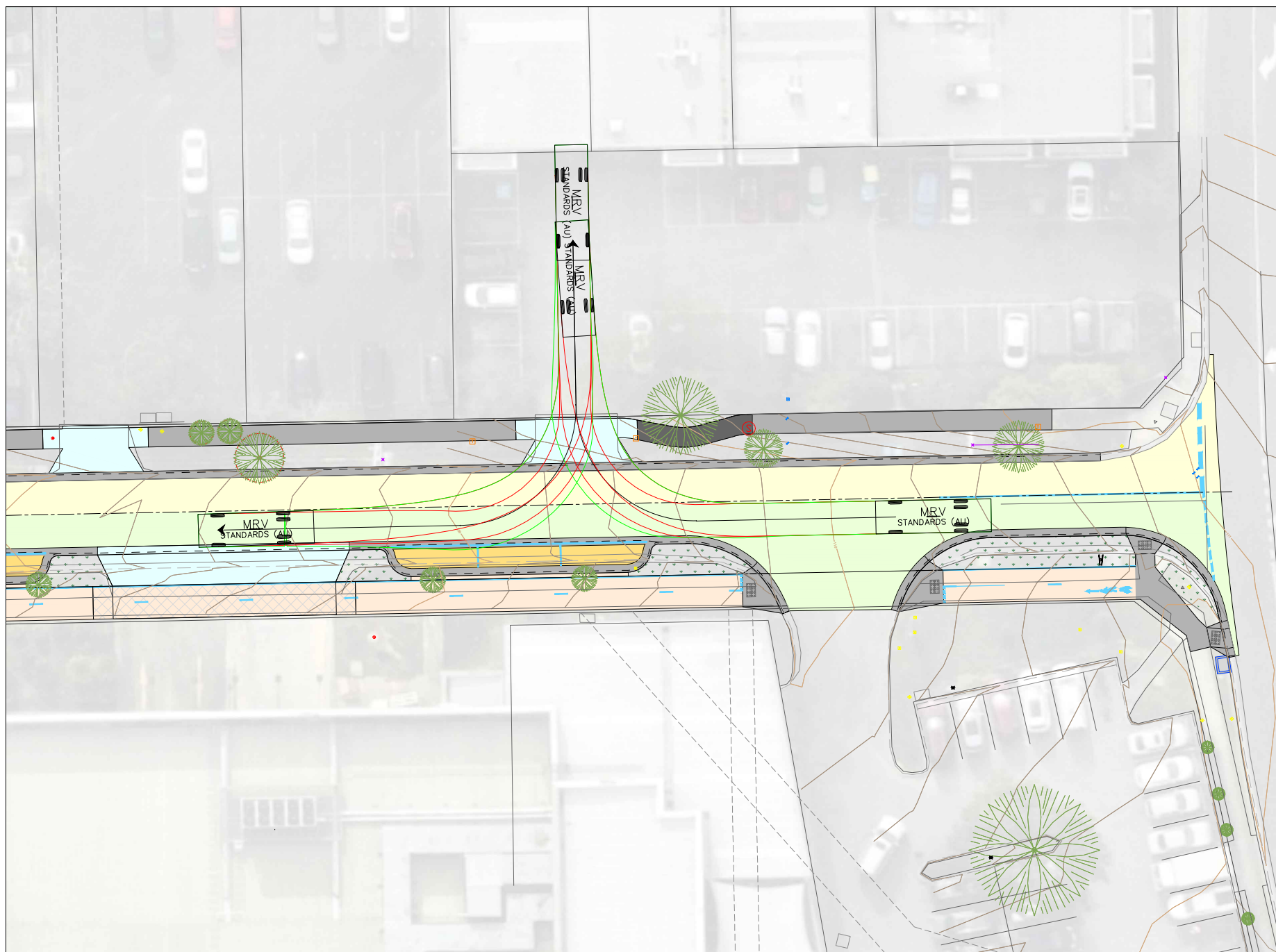
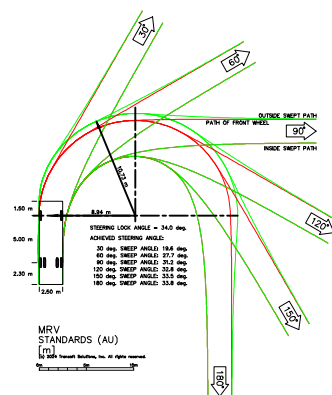
SHEET No.
17 OF 18

VERSION
A21

DWG No.
PC18003 - 17 A21



MRV
 Width : 2.50
 Track : 2.50
 Lock to Lock Time : 6.0
 Steering Angle : 34.0



SWEPT PATH ANALYSIS PLAN

No. 34-38 VEHICLE CROSSING



| | | |
|-----|---------------------------------------|------------|
| VER | DESCRIPTION | DATE |
| A21 | FUNCTIONAL DESIGN - ISSUED FOR REVIEW | 02-05-2024 |

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CITY OF MAROONDAH

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FUNCTIONAL DESIGN

ROAD AND CAR PARK UPGRADE WORKS

CHARTER STREET, RINGWOOD

VEHICLE SWEEP PATH ANALYSIS PLAN

No. 34-38 VEHICLE CROSSING

| | |
|-------------|------------------|
| PROJECT No. | PC18003 |
| SHEET No. | 18 OF 18 |
| VERSION | A21 |
| DWG No. | PC18003 - 18 A21 |