

ROAD AND DRAINAGE RECONSTRUCTION WORKS

CENTRAL AVENUE, CROYDON SOUTH



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

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MAROONDAH CITY COUNCIL - STANDARD CONSTRUCTION NOTES - MCC-002

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. CONTRACTORS SHALL ALSO COMPLY WITH RELEVANT WORKING CLEARANCES FOR OTHER UNDERGROUND UTILITIES AS SPECIFIED BY THE UTILITY OWNERS, INCLUDING BUT NOT LIMITED TO UNDERGROUND GAS & ELECTRICAL SERVICES. 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 OR VEGETATION SHALL BE REMOVED UNLESS AUTHORISED BY MAROONDAH CITY COUNCIL.
- ALL DISTURBED AREAS SHALL BE TOPSOILED AND SEED 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.
- ALL CONCRETE TO HAVE COMPRESSIVE STRENGTH AT 28 DAYS NOT LESS THAN 25 MPa UNLESS SPECIFIED OTHERWISE.
- ALL CRUSHED ROCK TO BE CURRENT VICROADS REGISTERED MIXES.
- CLASS 3 CRUSHED ROCK & CEMENT TREATED CRUSHED ROCK MAY CONTAIN 100% CRUSHED CONCRETE IN ACCORDANCE WITH VICROADS TECHNICAL NOTE TN 107 - USE OF RECYCLED MATERIALS IN ROAD PAVEMENTS.
- ALL LINE MARKING TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARDS AS 1742.1 AND TO BE LONG LIFE THERMOPLASTIC IN ACCORDANCE WITH VICROADS SECTION 724 OR AS DIRECTED BY SUPERVISING ENGINEER.
- WHERE PRODUCTS HAVE RECOMMENDED SUPPLIERS, ALTERNATIVES MAY BE CONSIDERED, HOWEVER MUST BE ACCEPTED BY COUNCIL IN WRITING.
- A VEHICLE CROSSING PERMIT MUST BE OBTAINED FROM COUNCIL BEFORE UNDERTAKING ANY CONCRETE WORKS TO COUNCIL ASSETS, INCLUDING FOOTPATH AND VEHICLE CROSSING CONSTRUCTION.
- A ROAD/ASSET OPENING PERMIT MUST BE OBTAINED FROM COUNCIL BEFORE UNDERTAKING ANY EXCAVATION IN THE ROAD RESERVE OR CONNECTING TO A COUNCIL DRAINAGE ASSET IN THE ROAD RESERVE OR EASEMENT.

DRAINAGE NOTES

- NO INTERNAL DIMENSION OF JUNCTION PITS SHALL BE LESS THAN PIPE DIAMETER PLUS 150mm.
- WHERE PIT DEPTH EXCEEDS 1000mm, STEP IRONS ARE TO BE INSTALLED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-202.
- WHERE PIT DEPTH EXCEEDS 1500mm, PIT WALLS ARE TO BE REINFORCED WITH SL72 MESH CENTRALLY PLACED.
- WHERE PIT DEPTH EXCEEDS 1800mm AND/OR PIPE DIAMETER EXCEEDS 450mm, PIT WALLS ARE TO BE 200mm THICK CONCRETE.
- WHERE PIT DEPTH EXCEEDS 3600mm, PIT IS TO BE DESIGNED IN ACCORDANCE WITH VICROADS STANDARD DRAWING SD 1011.
- PRECAST PITS MAY BE USED AS JUNCTION PITS SUBJECT TO COUNCIL APPROVAL IN WRITING.
- WITHIN NON-TRAFFICABLE AREAS, ALL PIT LIDS ARE TO BE MINIMUM CLASS B, LIGHTWEIGHT & LOCKABLE IN ACCORDANCE WITH AUSTRALIAN STANDARDS AS 3996:2019, INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- WITHIN TRAFFICABLE AREAS, ALL PIT LIDS ARE TO BE MINIMUM CLASS D, HEAVY DUTY IN ACCORDANCE WITH AUSTRALIAN STANDARDS AS 3996:2019, INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- ALL GRATED PIT LIDS ARE TO BE BICYCLE SAFE & INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

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 TBM'S 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 F.C.C.

SERVICING

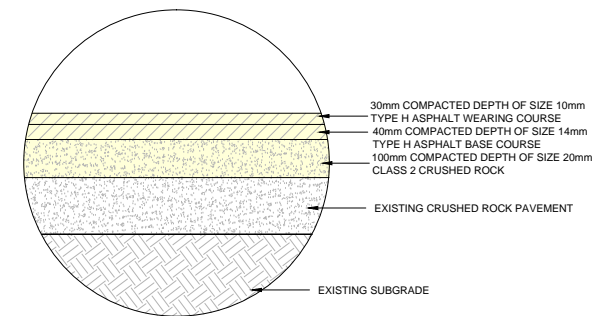
- THE LOCATION OF ALL EXISTING SERVICES IS BASED ON INFORMATION SUPPLIED BY THE RELEVANT AUTHORITIES AND IS APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL SERVICES BEFORE COMMENCING WORKS AND PROTECT THE SAME FOR THE DURATION OF THE WORKS.
- BACKFILL ALL TRENCHES BENEATH ROAD PAVEMENT AND VEHICLE CROSSINGS WITH CLASS 2 CRUSHED CONCRETE.
- "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.

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 STOCKPILES, 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.

MISCELLANEOUS

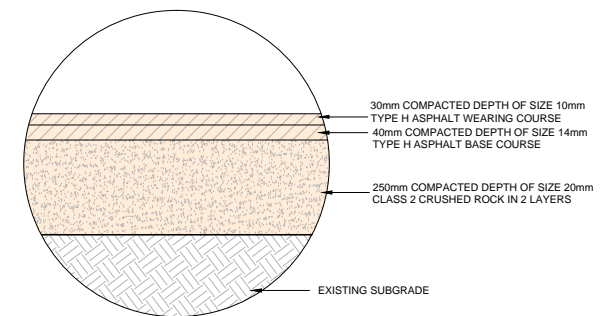
- THE LOCATION OF ALL EXISTING SIGNS ARE TO BE RECORDED PRIOR TO THE COMMENCEMENT OF WORKS AND ANY REMOVED TO MAKE WAY FOR THE WORKS ARE TO BE REINSTATED TO ORIGINAL POSITION OR TO A LOCATION AS DIRECTED BY SUPERVISING ENGINEER.
- ALL LINE MARKING IS TO BE REINSTATED IN ORIGINAL POSITION WHERE DISTURBED 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 STANDARD - S121 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.



OVERLAY EXISTING CRUSHED ROCK

PAVEMENT DETAIL

IN GENERAL ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-101



FULL DEPTH

PAVEMENT DETAIL

IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-101

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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 20 ZONE 55

SURVEY DATE
11-08-2022

AERIAL IMAGE DATE
14-09-2022

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CITY OF MAROONDAH

CLIENT

CLIENT PROJECT MANAGER / CONTACT
DOUG SMITH | MAROONDAH CITY COUNCIL

FUNCTIONAL DESIGN

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TITLE SHEET - LOCALITY PLAN, GENERAL NOTES, DETAILS & DRAWING INDEX

PROJECT No.
PC22021

SHEET No.
01 OF 05

VERSION
06

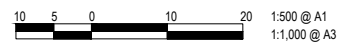
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














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












SHEET No.
02 OF 05

VERSION
06



DWG No.
 PC22021 -02 - 06

LEGEND

-  170mm COMPACTED DEPTH FLEXIBLE ASPHALT PAVEMENT - CONSTRUCTED IN GENERAL ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-101 AND DETAIL ON SHEET 01
-  320mm COMPACTED DEPTH FULL DEPTH FLEXIBLE ASPHALT PAVEMENT - CONSTRUCTED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-101 AND DETAIL ON SHEET 01
-  70mm (MINIMUM) COMPACTED DEPTH FLEXIBLE ASPHALT PAVEMENT (WITH REGULATION CRUSHED ROCK) - CONSTRUCTED IN GENERAL ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-101 AND OVERLAY PAVEMENT DETAIL ON SHEET 01
-  200mm THICK SL82 REINFORCED INDUSTRIAL STRENGTH CONCRETE VEHICLE CROSSING - CONSTRUCTED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-502
-  150mm THICK SL72 REINFORCED CONCRETE VEHICLE CROSSING - CONSTRUCTED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-501
-  125mm THICK SL72 REINFORCED CONCRETE FOOTPATH - CONSTRUCTED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-401
-  GRANITIC GRAVEL PATH REINSTATEMENT - REINSTATED IN ACCORDANCE WITH SECTION 11.1 OF MAROONDAH CITY COUNCIL COUNCIL INFRASTRUCTURE AND LANDSCAPE GUIDELINES
-  TOPSOIL & SEED REINSTATEMENT - REINSTATED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL SPECIFICATIONS
-  PAVEMENT LINE MARKING
-  NEW DRAINAGE PIT WITH PIT NUMBER AND PIPE
-  NEW CONCRETE KERB AND CHANNEL IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-107
-  SUBSURFACE DRAINAGE IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWINGS MCC-103 AND MCC-104
-  ESTIMATED FILL BATTER EXTENT
-  ESTIMATED CUT BATTER EXTENT
-  EXISTING ASPHALT PAVEMENT TO BE SAWCUT

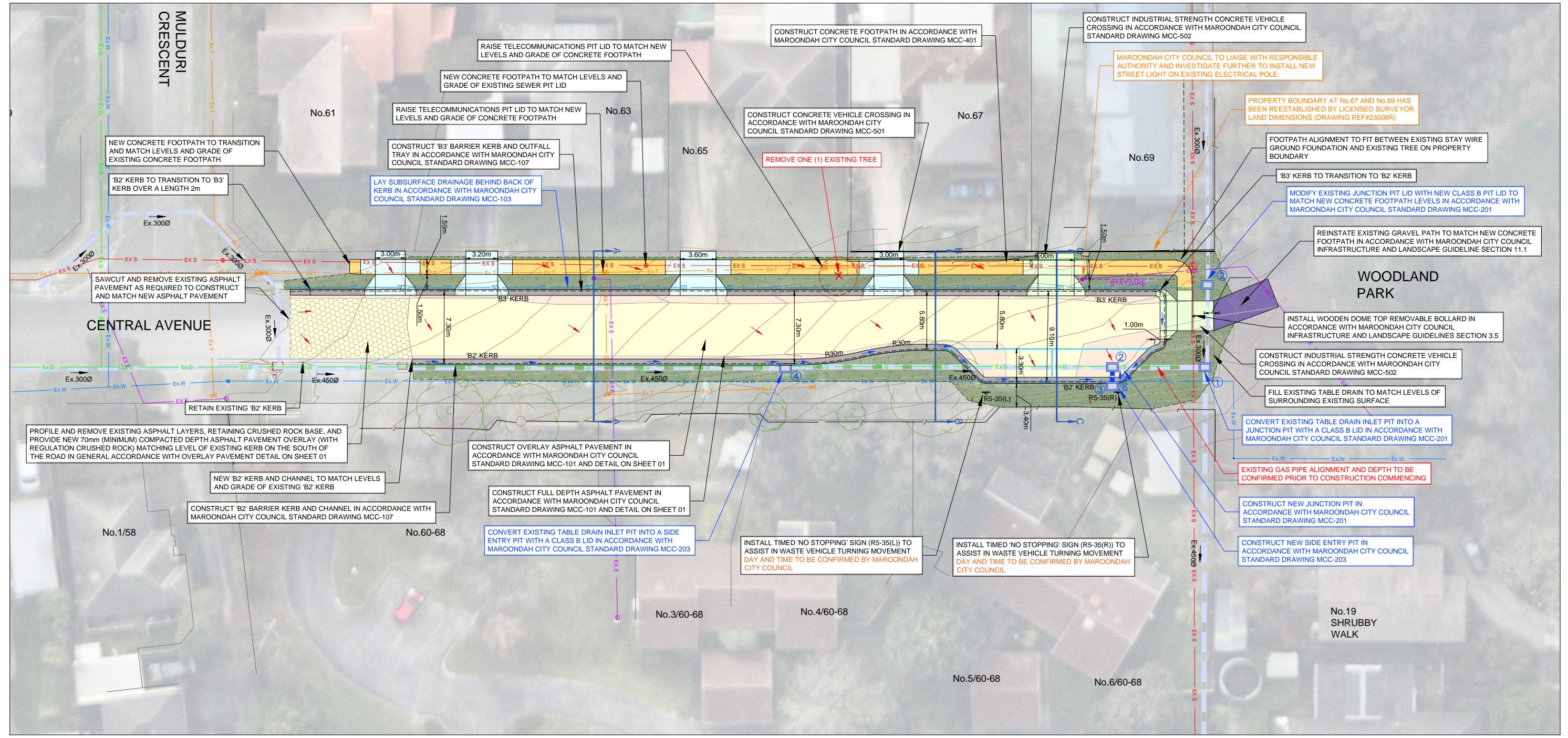
-  REMOVE EXISTING TREE
-  EX W - EXISTING WATER
-  EX G - EXISTING GAS
-  EX S - EXISTING SEWER
-  EX T - EXISTING TELECOMMUNICATIONS
-  EX E - EXISTING UNDERGROUND ELECTRICITY
-  EX D - EXISTING DRAINAGE PIPE
-  REMOVE / DECOMMISSION EXISTING DRAINAGE PIPE
-  EXISTING CONTOUR MAJOR (1.0m)
-  EXISTING CONTOUR MINOR (0.2m)
-  DIRECTION OF CHANNEL FLOW
-  PROPOSED PAVEMENT GRADE
-  FINISHED SURFACE CONTOUR MAJOR (1.0m)
-  FINISHED SURFACE CONTOUR MINOR (0.2m)

SIGNS LEGEND

-  TIMED NO STOPPING SIGN R5-35(R) TUESDAY 5AM - 2PM
TIME TO BE CONFIRMED BY MAROONDAH CITY COUNCIL
SIGNS SHOWN AS
-  TIMED NO STOPPING SIGN R5-35(L) TUESDAY 5AM - 2PM
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GENERAL LAYOUT PLAN



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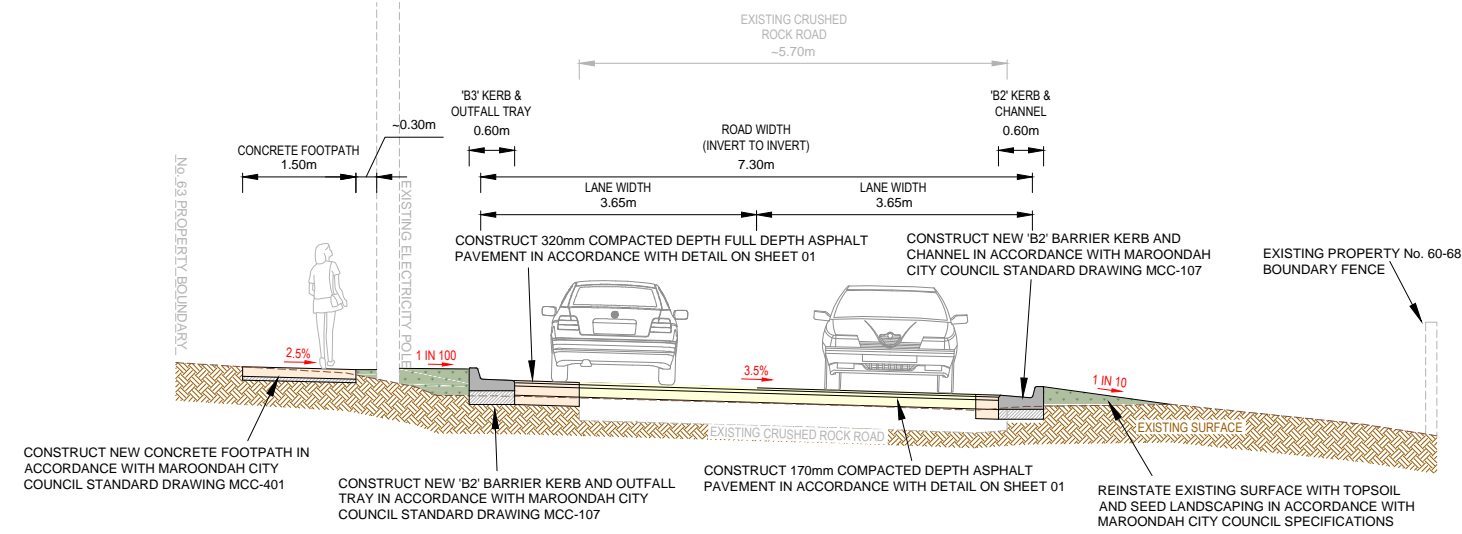
CENTRAL AVENUE, CROYDON SOUTH

GENERAL LAYOUT PLAN

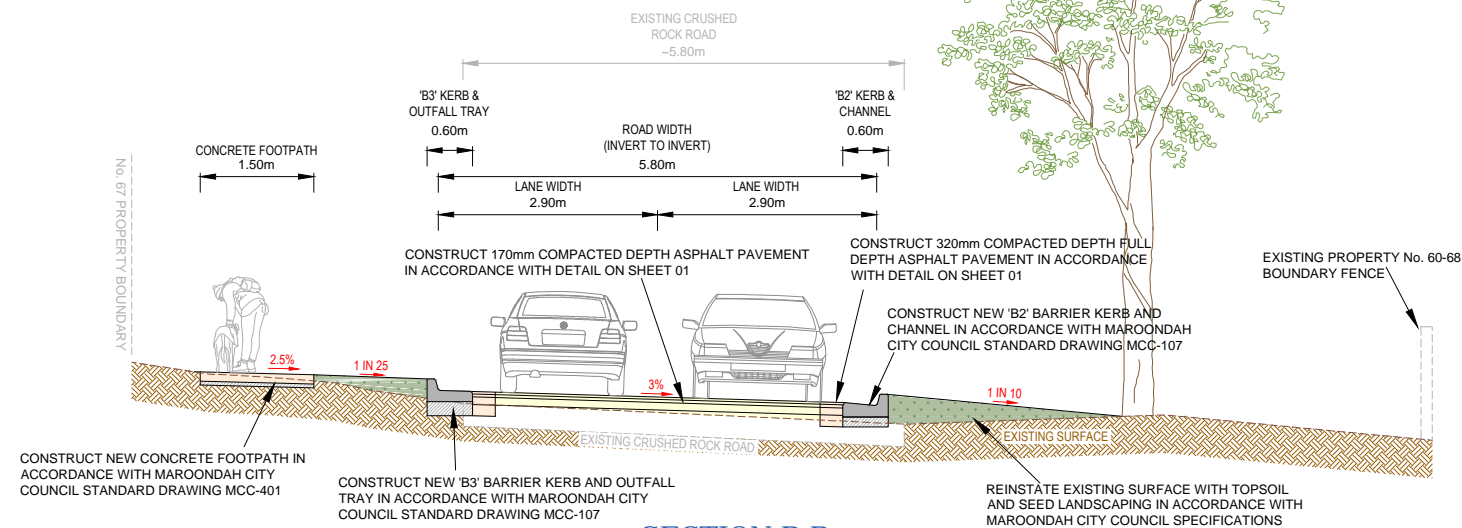
PROJECT No.	PC22021
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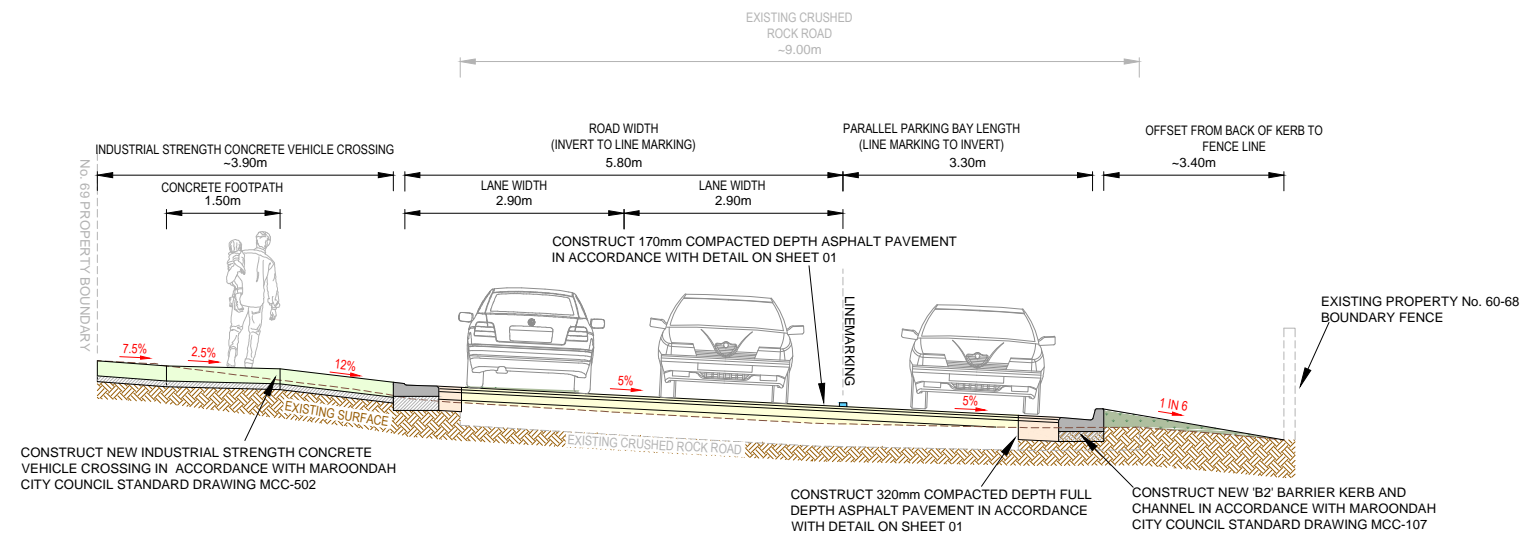
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SECTION A-A



SECTION B-B



SECTION C-C



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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 20 ZONE 55

SURVEY DATE
 11-08-2022

AERIAL IMAGE DATE
 14-09-2022

LOCAL GOVERNMENT AREA
CITY OF MAROONDAH

CLIENT

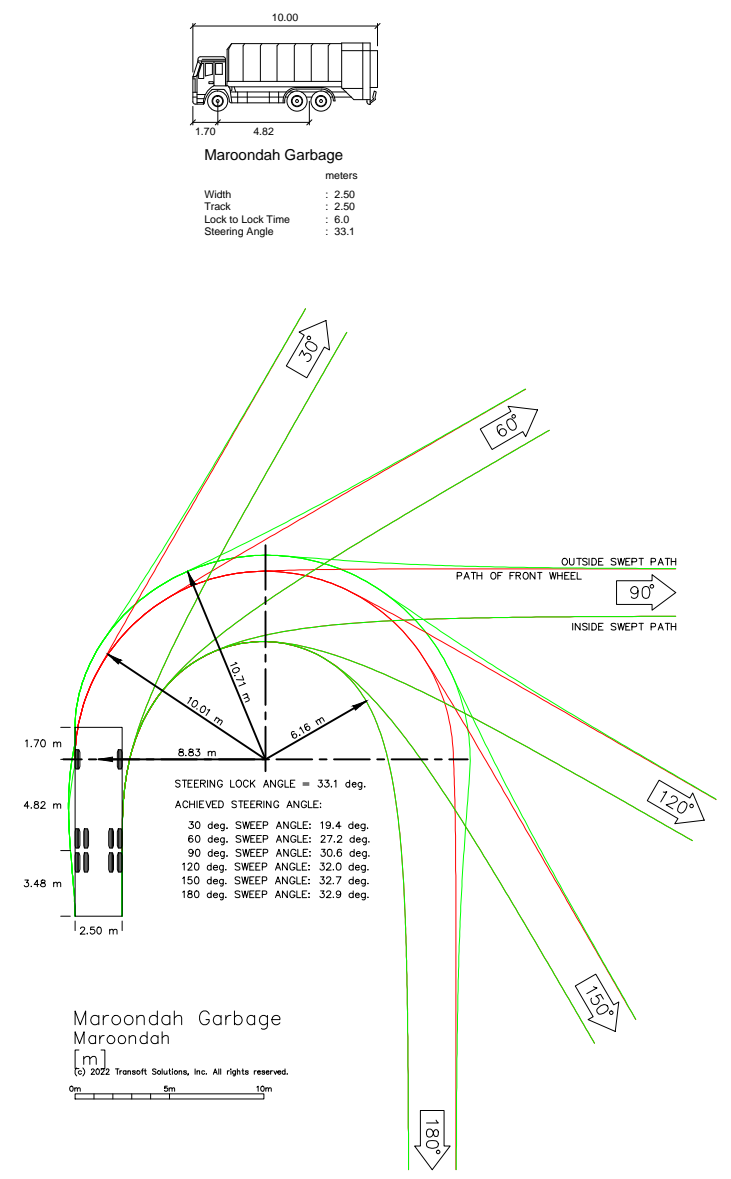
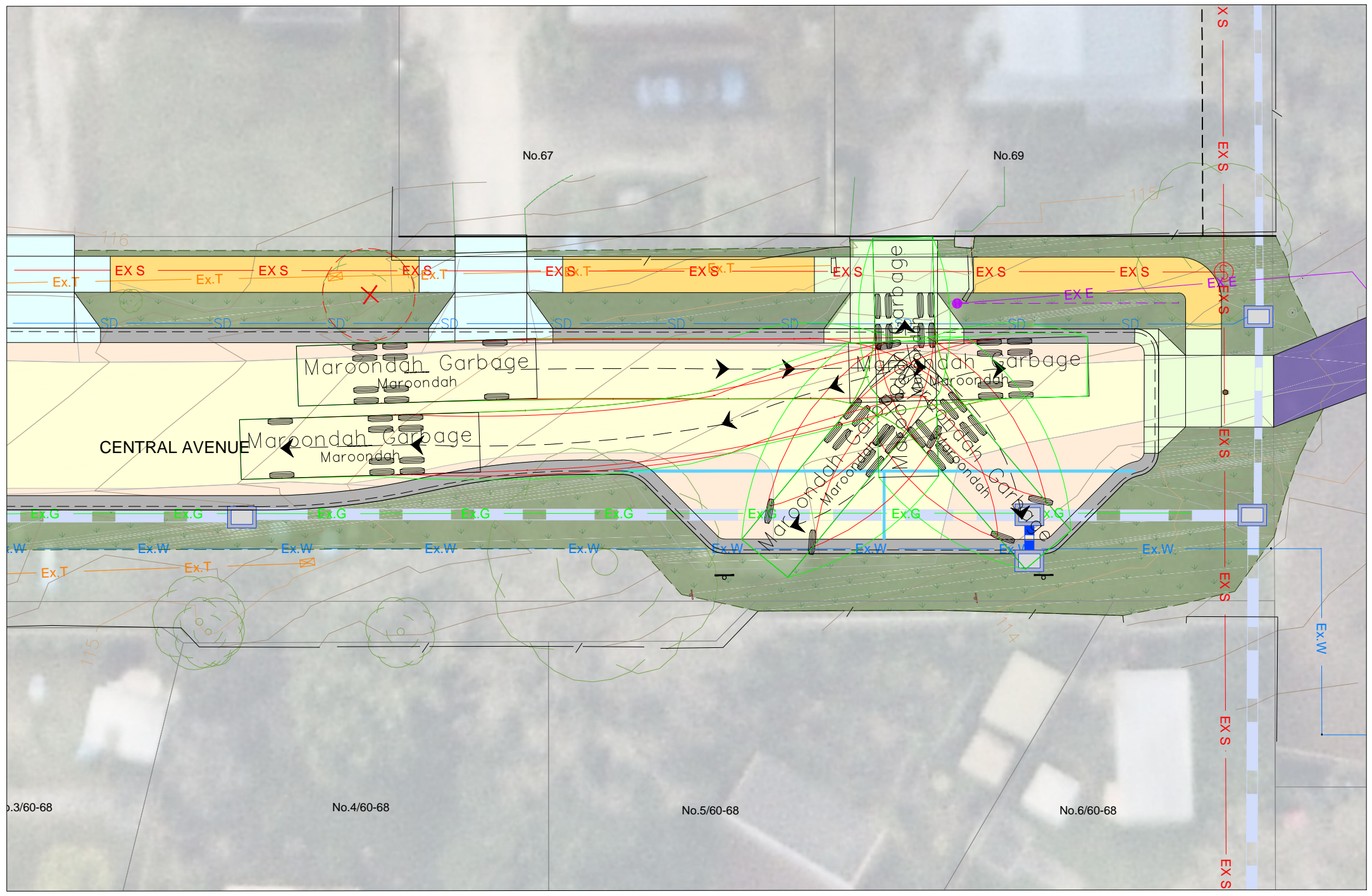
CLIENT PROJECT MANAGER / CONTACT
 DOUG SMITH | MAROONDAH CITY COUNCIL

FUNCTIONAL DESIGN

ROAD AND DRAINAGE RECONSTRUCTION WORKS
 CENTRAL AVENUE, CROYDON SOUTH

SECTIONS A-A, B-B & C-C

PROJECT No.	PC22021
SHEET No.	04 OF 05
VERSION	06
DWG No.	PC22021 -04 - 06



SWEPT PATH ANALYSIS PLAN - FIVE (5) POINT TURN - WASTE VEHICLE



VER	DESCRIPTION	DATE
06	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	09-08-2023
05	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	02-08-2023
04	FOR CONSTRUCTION	21-04-2023
03	DETAILED DESIGN - ISSUED FOR REVIEW	21-03-2023
02	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	17-11-2022
01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	12-10-2022
00	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	04-10-2022

CONSULTANT ENGINEER

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Specialist Civil Engineering Design Consultants

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