- SITE DERIVED INFORMATION ANY ADDITIONAL INSTRUCTIONS/INFORMATION SUPPLIED DURING THE COURSE OF CONSTRUCTION.
- RELEVANT GEOTECHNICAL REPORT ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (A.H.D.). T.B.M's ARE SHOWN ON THE PLANS, ALL LEVELS SHALL BE RELATED TO
- THE CONTRACTOR IS TO ENSURE THAT ALL FOOTPATHS, KERBS, ROAD PAVEMENT, NATURE STRIPS, STREET FURNITURE AND
- SERVICES DAMAGED DURING CONSTRUCTION ACTIVITIES ARE MADE GOOD TO THE SATISFACTION OF THE COUNCIL REPRESENTATIVE
- THE CONTRACTOR IS TO COMPLY WITH THE EPA AND COUNCIL REQUIREMENTS FOR NOISE AND AIRBORNE POLLUTION. PRIOR TO THE COMMENCEMENT OF WORKS THE CONTRACTOR IS TO ENSURE THAT ALL REQUIRED PERMITS ARE ISSUED BY THE
- ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE RELEVANT AUSTRALIAN STANDARDS, AND IN COMPLIANCE WITH THE
- BUILDING CODE OF AUSTRALIA, COUNCIL STANDARDS AND LOCAL LAWS. THE CONTRACTOR IS TO ENSURE THAT A LICENSED SURVEYOR IS ENGAGED TO POSITION WORKS AND PROVIDE AS CONSTRUCTED
- NO CONTAMINATED FILL IS TO BE IMPORTED ONTO THIS SITE.
- THE CONTRACTOR IS TO ENSURE THAT POLLUTION CONTROL MEASURES ARE IN PLACE DURING CONSTRUCTION AND THAT THEY COMPLY WITH EPA BEST PRACTICE GUIDELINES.
- STRUCTURAL FILL MUST BE PLACED IN ACCORDANCE WITH NOTES AND AS3798:2007.
- THE CONTRACTOR IS TO NOTIFY THE COORDINATOR OF ENGINEERING AT COUNCIL OF HAULAGE ROUTES AND SEEK APPROVALS AS
- THE CONTRACTOR IS TO ENSURE THAT ALL MAINTENANCE DEPOSITS AND BONDS ARE PAID TO THE RELEVANT AUTHORITIES AS
- 14. ALL CONSTRUCTION WORK IS TO BE LIMITED TO AUTHORITY APPROVED WORKING HOURS.
- ANY ROAD/PART ROAD CLOSURES ARE TO BE APPROVED BY COUNCIL PRIOR TO WORKS COMMENCING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SUPPLY COUNCIL WITH ANY DOCUMENTATION. SUCH AS TRAFFIC MANAGEMENT PLANS. AS REQUIRED.
- ALL TESTING TO BE AS DIRECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER AND COSTS TO BE INCLUDED IN TENDER. INCLUDING THE SERVICE OF AN APPROVED GEOTECHNICAL ENGINEER. THE GEOTECHNICAL ENGINEER WILL BE REQUIRED TO ISSUE A COMPLIANCE CERTIFICATE CONFIRMING THAT THE WORKS HAVE BEEN COMPACTED TO THE STANDARD SPECIFIED. ALLOW FOR THE FOLLOWING COMPACTION TESTS IN TENDER (AS A MINIMUM):
- SUBGRADE (CUT OR FILL) 1 TEST PER 600 SQ M PER LAYER. CRUSHED ROCK COURSES - 1 TEST PER 400 SQ M PER LAYER.
- ASPHALT AS PER VIC ROAD STANDARD REQUIREMENTS.
- iv. TRENCH BEDDING AND BACKFILL 1 TEST PER 30 M PER LAYER
- PROVIDE CLAY 'PLUG' TO ALL SERVICE TRENCHES WHERE ANY PIPE, DUCT OR CABLE ENTERS THE BUILDING TO PREVENT INGRESS OF

STORMWATER DRAINAGE

ALL DRAINAGE PIPES ARE TO BE R.C. CLASS '2', F.R.C. OR U.P.V.C. SN8 UNLESS NOTED OTHERWISE ON PLAN. ALL R.C. AND F.R.C. PIPES

- ALL PITS ARE TO BE CONSTRUCTED TO MAROONDAH CITY COUNCIL STANDARDS AND ALL COVERS ARE TO BE IN ACCORDANCE WITH AS3996-2006. PITS IN EXCESS OF 1.0m DEEP ARE TO BE FITTED WITH STEP IRONS. CONCRETE FOR ALL PITS TO BE AT LEAST GRADE
- ALL LEVELS AND DIMENSIONS ARE TO BE VERIFIED ON SITE PRIOR TO THE COMMENCEMENT OF WORKS AND ANY DISCREPANCIES ARE TO BE REFERRED TO THE ENGINEER FOR A DECISION.
- THE CONTRACTOR IS TO VERIFY THE LOCATION AND LEVEL OF SERVICES PRIOR TO ANY EXCAVATION WORKS IN THE VICINITY OF
- THESE SERVICES. ALL CLEARANCES BETWEEN SERVICES ARE TO BE MET IN ACCORDANCE WITH AS3500.3:2018 SECTION 7.2.7. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL SERVICES PRIOR TO COMMENCEMENT OF WORKS THE CONTRACTOR IS TO CONTACT ALL RELEVANT AUTHORITIES 48 HOURS PRIOR TO ANY EXCAVATION WORKS IN THE VICINITY OF
- ANY EXCAVATED TRENCHES IN EXCESS OF 1.5M IN DEPTH ARE TO BE ADEQUATELY SHORED TO PREVENT COLLAPSE DURING WORKS ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH COUNCIL APPROVED PLANS AND STANDARD DRAWINGS.
- THE CONTRACTOR IS TO OBTAIN ALL NECESSARY INSPECTIONS AND APPROVALS FROM THE COUNCIL ENGINEER AND ALL OTHER U.N.O. TRENCH BACKFILL SHOULD BE COMPACTED TO NOT LESS THAN 95% OF THE DRY DENSITY RATIO FOR STANDARD COMPACTION
- (COHESIVE SOILS) OR 70% OF THE MINIMUM DENSITY INDEX FOR STANDARD COMPACTION (COHESIONLESS SOIL), IN ACCORDANCE WITH AS3798:2007. REFER TO SECTION DETAILS FOR DRAINAGE TRENCHES BACKFILL DETAILS. WHEN USING PRECAST OR PREFABRICATED UNITS. THE CONTRACTOR IS TO SEEK THE ENGINEERS APPROVAL BEFORE INSTALLATION.
- WHEN REMOVING ANY REDUNDANT PIPES AND PITS, THE CONTRACTOR MUST BACKFILL IN ACCORDANCE WITH TRENCH BACKFILL
- CONTRACTOR IS TO PROVIDE A SAMPLE OF GRATES TO BE PLACED ON OR ADJACENT TO PATHS FOR APPROVAL BY THE COUNCIL
- COUNCIL IS TO BE GIVEN 24 HOUR NOTICE PRIOR TO INSPECTIONS OF THE FOLLOWING ITEMS: a. BREAK IN AND PIPE TO PIT CONNECTION, PRIOR TO BACKFILL.
- ALL PLUMBING AND DRAINAGE WORK IS TO BE COMPLETED IN ACCORDANCE WITH AS3500:2018 AND ANY OTHER RELEVANT CODES OF
- PRACTICE FOR SERVICES AND ASSOCIATED WORKS. ALL STEEL MEMBERS INCLUDING GRATES AND LINTELS ARE TO BE HOT DIPPED GALVANISED.
- ALL MINIMUM PIPE GRADES ARE TO BE IN ACCORDANCE WITH AS3500. GRATED DRAINAGE PITS ARE TO BE LOCATED IN SAG POINTS (LOW POINTS). THE CONTRACTOR IS TO ENSURE EVEN FALLS ARE
- PROVIDED TO PITS AND LOCAL GRADES FORMED IF REQUIRED TO ELIMINATE DEAD DRAINAGE SPOTS. 19. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATION AND LEVEL OF ALL EXISTING DISCHARGE POINTS PRIOR TO
- CONSTRUCTION.

- AG DRAINS (SUBSOIL DRAINS) ARE TO BE INSTALLED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-103
- MIN GRADE OF AG-DRAINS IS TO BE 1:200. AG-DRAINS ARE TO BE FITTED WITH 150 DIA INSPECTION OPENINGS (I.O.) AT THEIR TOPMOST ENDS, AT CHANGES OF FLOW DIRECTIONS AND AT A MAXIMUM HORIZONTAL DISTANCE OF 45m.
- INSPECTION OPENINGS ARE TO EXTEND VERTICALLY TO THE TOP OF A PAVED AREA OR WITHIN 300mm FROM THE SURFACE IN UNPAVED AREAS AND TERMINATED WITH A SCREW CAP LEGIBLY MARKED 'SW'. ADEQUATE CAST IRON PROTECTION COVERS ARE TO
- BE USED WHEN POSITIONED WITHIN TRAFFIC LANES OR PAVEMENT WITH VEHICLE ACCESS. THE CONTRACTOR IS TO ALLOW FOR ALL AG-DRAINS AS REQUIRED AT THE REAR OF RETAINING WALLS AND EDGE OF FLEXIBLE
- ALL AG-DRAINS ARE TO BE WRAPPED IN GEOTEXTILE MATERIAL OR THE ENTIRE BEDDING MATERIAL IS TO BE WRAPPED WITH
- GEOTEXTILE FABRIC OVERLAPPING NOT LESS THAN 300mm. UNLESS NOTED OTHERWISE THE EMBEDMENT MATERIAL IS TO BE 10mm NOM. DIA. CLEAN SCREENINGS FOR THE FULL DEPTH OF THE
- EMBEDMENT TRENCH EXCEPT FOR TOPSOIL REQUIREMENTS AS PER LANDSCAPING SPECIFICATIONS.

- 1. UNLESS NOTED OTHERWISE CONCRETE CRUSHING STRENGTH AT 28 DAYS SHALL BE AT LEAST: DRAINAGE WORKS: 20MPa
- b. PAVING WORKS: 32MPa

BITUMEN PAVEMENT

- REFER TO PLAN HATCHING AND LEGEND FOR NOMINATION OF PAVEMENT TYPES.
- LOT TESTING SHALL BE CARRIED OUT WITH A MINIMUM OF SIX SITES WITH CHARACTERISTIC RELATIVE COMPACTION ACHIEVING THE STANDARDS OUTLINED ON PLAN AND DETAILS
- WHERE THE LOT TO BE TESTED IS LESS THAN 500m² THEN THREE TESTS MAY BE USED BUT THE MEAN OF THE RESULTS MUST BE 2% HIGHER THAN THE REQUIRED STANDARDS.
- EACH PAVEMENT LAYER SHALL BE INSPECTED AND APPROVED BY THE RELEVANT AUTHORITY PRIOR TO COMMENCING THE NEXT. COPIES OF ALL TEST RESULTS ARE TO BE PROVIDED TO THE SUPERVISING AUTHORITY FOR DOCUMENTATION PURPOSES.

AUXILIARY WORKS

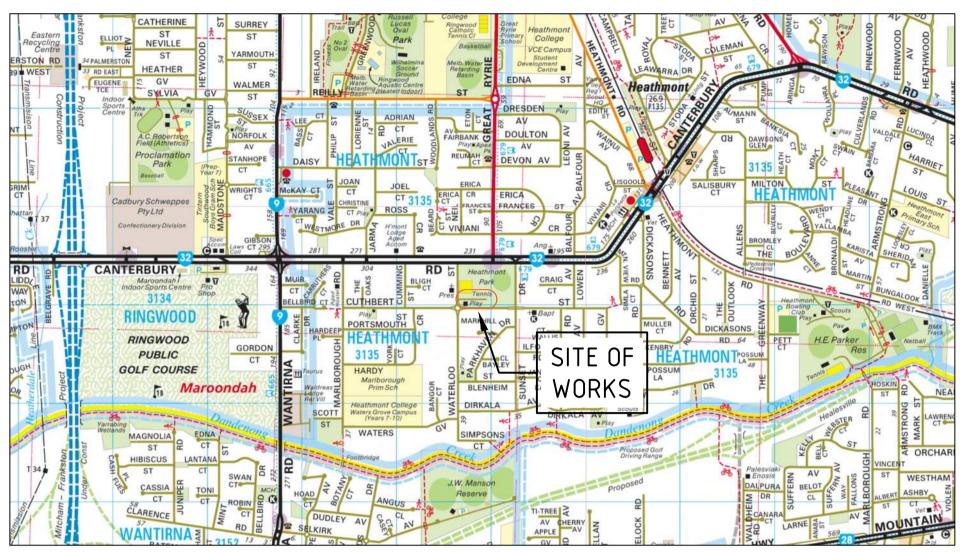
- THE CONTRACTOR IS TO SEEK COUNCIL REQUIREMENTS FOR 'NOTICES OF WORKS' WITHIN A PUBLIC ROAD RESERVE. NO ROADWORKS ARE TO COMMENCE UNTIL ALL TEMPORARY SIGNS AND ASSOCIATED ITEMS ARE IN PLACE AS APPROVED.
- ALL DISTURBED AREAS ARE TO BE REINSTATED AND SHAPED AS DIRECTED. ALL GRASSED AREAS SHALL BE TOP DRESSED WITH A MINIMUM DEPTH OF 100mm OF APPROVED TOPSOIL, RAKED AND SEEDED
- ALL ROADSIDE AREAS SHALL BE MAINTAINED FOR A MINIMUM OF THREE MONTHS OR UNTIL THEY ARE RE-ESTABLISHED TO COUNCIL SATISFACTION.
- MAINTENANCE WORKS SHALL INCLUDE BUT NOT BE LIMITED TO:
- TOPPING UP WITH SOIL WHERE SUBSIDED. RE-SEEDING AS REQUIRED.
- MOWING AND GENERAL LANDSCAPE MAINTENANCE. ALL LINEMARKING TO BE IN ACCORDANCE WITH COUNCIL GUIDELINES.
- 6. REINSTATE ANY PATHS, KERBS, PAVEMENTS, BATTERS AND RETAINING WALLS DAMAGED DURING THE COURSE OF THE WORKS TO THE SATISFACTION OF THE CLIENT REPRESENTATIVE.
- **HEALTH AND SAFETY**

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ALL WORKS ARE CARRIED OUT IN A SAFE MANNER. THE WORKS SHALL

- COMPLY WITH APPLICABLE HEALTH AND SAFETY LEGISLATION INCLUDING CODES OF PRACTICE, AUSTRALIAN STANDARDS, THE CONTRACTOR SHALL ENSURE A RISK ASSESSMENT HAS BEEN CARRIED OUT AND DOCUMENTED FOR ALL ACTIVITIES PERFORMED
- ON THE SITE. SAFE WORK PROCEDURES MUST BE DOCUMENTED AS REQUIRED BY LEGISLATION AND RELEVANT AUTHORITIES. THE BUILDER MAY NEED TO ENGAGE SUITABLY EXPERIENCED CONSULTANTS TO PREPARE A SAFE WORK PROCEDURE IF THE BUILDER IS INEXPERIENCED IN THIS FIELD OR IF THEY ARE NOT SATISFIED WITH THE METHOD PROPOSED BY THE CONTRACTOR.
- THE WORKS SHALL BE CARRIED OUT IN A MANNER THAT ENSURES THE SAFETY OF THE PUBLIC AT ALL TIMES. SITE SAFETY REQUIREMENTS AND ARRANGEMENTS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED BY COUNCIL.

CAR PARK UPGRADE WORKS

HEATHMONT RESERVE - 264 CANTERBURY ROAD, HEATHMONT, VIC 3135





LOCALITY PLAN

THE CONTRACTOR IS TO ENGAGE THE GEOTECHNICAL ENGINEER TO APPROVE ALL FILL MATERIALS PRIOR TO PLACEMENT, SUBGRADE PRIOR TO PLACEMENT OF FILL, COMPACTION OF FILL

SUBGRADE PREPARATION AND EARTHWORKS - PAVEMENTS

- UNDER ALL PAVEMENT AREAS STRIP ALL TOPSOIL AND PREPARE FOR PAVEMENT AS PER DETAIL. CUT AND FILL AS REQUIRED TO PRODUCE FINISHED SURFACE LEVEL AS SPECIFIED LESS PAVEMENT THICKNESS AS SHOWN ON
- COMPACT CUT SURFACE TO 98% STANDARD MAXIMUM DRY DENSITY (SMDD).
- THE MOISTURE CONTENT OF THE SUBGRADE OR FILL SHOULD BE WITHIN 85%-115% OF THE STANDARD OPTIMUM MOISTURE CONTENT PRIOR TO PLACEMENT OF FILL OR PAVEMENT REMOVE AND REPLACE SOFT OR UNSTABLE SUBGRADE WITH CLEAN WELL GRADED APPROVED MATERIAL TO 98% SMDD. PROOF ROLL SUBGRADE SURFACE WITH A DUAL WHEELED PNEUMATIC TYRED VEHICLE (MIN. 9.4
- ONNE LOADED AXLE) AND MAKE GOOD TO ANY SOFT SPOTS EXCAVATED AND PREPARED SURFACES UNDER ALL PAVEMENTS SHALL BE SPRAYED WITH AN APPROVED WEED KILLER, CARE MUST
- BE TAKEN TO AVOID CONTAMINATING GARDEN BEDS AND LAWN AREAS. 8. FILLING SHALL BE CLEAN WELL GRADED GRANULAR MATERIAL COMPACTED TO 95% MMDD IN MAX.200mm LOOSE THICKNESS LAYERS, EROSION CONTROL PLAN
- OR APPROVED IMPORTED CLAY FILL COMPACTED TO 98% SMDD IN 150mm LAYERS CUT OR BACKFILL AREA BEHIND KERBING TO TOP OF KERB AND GRADE TO 1 IN 4 MAX SLOPE TO MATCH EXISTING SURFACE LEVELS. CONTRACTOR IS TO SUPPLY A RATE TO DEAL WITH SOFT SPOTS, THE RATE IS TO INCLUDE EXCAVATION AND REMOVAL OF SPOIL DEE SITE, RATE IS TO BE CALCUL ATED PER CURIC METRE DE BACKELL
- 98%SMDD IS APPROXIMATELY EQUIVALENT TO 95%MMDD OR 75% MINIMUM DENSITY INDEX AS NOTED IN TABLE 5.1 OF AS3798-2007

SEDIMENT AND EROSION CONTROL

GENERAL NOTES

- SOIL CONTROL MEASURES MUST BE ADOPTED AT ALL TIMES TO THE SATISFACTION OF COUNCILS DESIGN ENGINEER AND THE FACILITIES MANAGER DURING THE DURATION OF THE CONTRACT. SITE CONTROLS AND EROSION MINIMISATION TECHNIQUES AR TO BE IN ACCORDANCE WITH THE INSTITUTE OF ENGINEERS AUSTRALIA PUBLICATION 'SOIL EROSION AND SEDIMENT CONTROL' EPA GUIDELINES AND OTHER CONTRACT DOCUMENTATION INCLUDING THIS PLAN.
- SITE ESTABLISHMENT AND STRIPPING TOPSOIL
- STOCKPILE SOIL IN ALLOCATED LOCATION AND PROVIDE SILT CONTROL BARRIERS IF STOCKPILE IS LEFT OVERNIGHT. WASH DOWN ANY VEHICLES LEAVING SITE AFTER TREADING ON SOIL.
- PLACE CRUSHED ROCK TO A DEPTH OF 150mm MINIMUM TO ALL VEHICLE ACCESS AREAS OVER AN APPROVED WOVEN GENTEXTILE EARRIC (DIIX W155 OR FOLIVALENT) GRADE ALL SOIL AREAS AWAY FROM MAIN CONSTRUCTION AREA AND TOWARDS DRAINAGE POINTS.
- PLACE FILTER MATERIAL SUCH AS HAY BALES OR SILT FENCES AROUND DRAINAGE POINTS. INSTALL ON-SITE WASTE RECEPTORS (e.g. MINI-SKIPS, BINS, WIND PROOF LITTER RECEPTORS).
- CONSTRUCTION OF DRAINAGE SYSTEM: CARRY OUT WORKS IN DRY WEATHER.
- DO NOT LEAVE TRENCHES OPEN FOR A LONG PERIOD OF TIME.
- BUILD DRAINAGE SYSTEM COMMENCING FROM DOWN STREAM. PLACE FILTER MATERIAL IN EXISTING PIT DOWN STREAM, UNTIL ALL DRAINAGE IS IN PLACE AND THEN INSTALL SILT CONTRO
- DEVICES AT EACH NEW PIT. CONSTRUCTION OF MAIN WORKS
- ENSURE THAT SOIL IS KEPT MOIST TO MINIMISE AIR POLLUTION. DO NOT LEAVE SOIL EXPOSED FOR LONG PERIODS OF TIME.
- ENSURE FALLS OF CUT OR FILL ARE AWAY FROM MAIN WORKING AREA.
- INSTALL ROOF DOWNPIPES AS SOON AS PRACTICABLE IF NECESSARY USE TEMPORARY CONNECTIONS TO ENSURE STORMWATER DOES NOT DISCHARGE OVER LOOSE SOIL.

DURING THE COURSE OF THE CONTRACT TO MAINTAIN CLEAN FOOTPATHS AND ROADWAYS.

- LANDSCAPING:
- a. PLACE VEGETATION SUITABLE TO MINIMISE LOOSE SOIL CONDITIONS. REFER TO THE APPROVED LANDSCAPING PLAN FOR ADDITIONAL INFORMATION. TREATMENT DEVICES

SEDIMENT FENCES; SEDIMENT FENCES ARE TO BE PLACED AS REQUIRED. THEY CONSIST OF GEOTEXTILE FILTER FABRIC

STAPLED ONTO 40mm SQUARE HARDWOOD STAKES OR WIRE TIED TO STEEL POSTS. THE FILTER FABRIC MUST BE BURIED 100mi MIN INTO THE GROUND AND STAND UP TO A HEIGHT OF 700mm. POSTS ARE TO BE SPACED AT 2.0m CENTRES AND DRIVEN 600mm INTO THE GROUND. WHEN STOCKPILING GRANULAR MATERIALS INCLUDING TOP SOILS, A SEDIMENT FENCE SHOULD BE ERECTED AT THE PERIMETER OF THE STOCKPILE IF LEFT OVERNIGHT

PROTECTION OF DRAINAGE POINTS; ALL DRAINAGE POINTS, WHETHER TEMPORARY OR PERMANENT, SHALL BE PROTECTED FRO POLLUTED WATERS. THE PRINCIPAL CONTRACTOR MAY USE STRAW BALES HELD IN PLACE BY AT LEAST TWO DRIVEN PICKETS OR SEDIMENT FENCES TO FULLY SURROUND THE DRAINAGE POINT

GENERAL BUILDING OPERATIONS; BUILDING OPERATIONS SUCH AS WASHING OF TOOLS AND PAINTING EQUIPMENT, CUTTING

MASONRY OR THE USE OF ANY OTHER WATER COOLED CUTTING EQUIPMENT SHOULD BE CARRIED OUT IN A CONTROLLED AREA,

WHERE POSSIBLE ON A NATURAL FILTERED AREA SUCH AS A GRASSED TRENCH, OR IN THE VICINITY OF A SEDIMENT SETTLING

ALL VEHICLE ENTRY/EXIT POINTS ARE TO BE TREATED WITH CRUSHED ROCK OVER AN APPROVED WOVEN GEOTEXTILE FABRIC (DUX W155 OR EQUIVALENT), WELL COMPACTED AND ADJACENT TO THE EXIT DRIVE THE PRINCIPAL CONTRACTOR IS TO PROVIDI SUITABLE WASHING FACILITIES FOR CLEANING OF ALL VEHICLES PRIOR TO THEM EXITING THE SITE SO AS TO PREVENT ANY GREASE, OIL, MUD, CLAY OR OTHER SUBSTANCES FALLING OR RUNNING OFF A VEHICLE ON THE ROAD PAVEMENT OR INTO ANY DRAIN. THE CONDITION OF THE SITE ACCESS/EGRESS IS TO BE CONTINUOUSLY MONITORED AND CLEANED DOWN AS NECESSARY

<u>ADDITIONAL NOTES FOR SEDIMENT AND EROSION CONTROL</u>

- THE CONTRACTOR IS RESPONSIBLE FOR THE ESTABLISHMENT AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES TO SUCH TIME THAT THE PROJECT IS COMPLETED AND OFFICIALLY HANDED OVER TO THE CLIENT. THIS MAY INCLUDE THE PROVISION OF TEMPORARY DRAINAGE AND WATER QUALITY MANAGEMENT DEVICES. DO NOT STRIP OR EXCAVATE SITE UNTIL BUILDING WORKS ARE READY TO PROCEED.
- OBTAIN ALL NECESSARY PERMITS, LICENCES AND APPROVALS, REFER TO COUNCIL APPROVED DRAWINGS AND DOCUMENTATION. ESTABLISH ALL REQUIRED ENTRY/EXIT POINTS AND TREAT THESE AREAS AS DESCRIBED ABOVE. STACK SOILS IN PRE-DEFINED EROSION CONTROL AREAS. WHEN LEFT OVER NIGHT.
- ACCIDENTAL SPILLS OF SOIL OR OTHER MATERIALS ONTO THE ROAD OR INTO THE GUTTER OR DRAINS SHOULD BE REMOVED PRIOR TO STORMS AND AT LEAST UPON COMPLETION OF THE DAY'S WORK. MATERIALS SHOULD BE SWEPT OFF THE ROAD AND NOT WASHED DOWN THE GUTTER
- EROSION CONTROL DEVICES SHOULD BE INSPECTED REGULARLY AND AFTER EVERY STORM EVENT CONCRETE WASTE WASHED FROM TRUCKS AND MIXERS SHOULD BE CONTAINED ON-SITE AND NOT DISPOSED OF, DOWN A DRAIN OR IN ANY OTHER WAY WHICH MAY BE CONSIDERED HARMFUL TO THE ENVIRONMENT.

AN EROSION CONTROL PLAN IS TO BE IMPLEMENTED ON SITE DURING CONSTRUCTION TO PREVENT SEDIMENT FROM LEAVING THE SITE AND ENTERING THE DRAINAGE SYSTEMS, eg. HAY BALES WITH GEOFABRIC MATERIAL TO THE SATISFACTION OF THE RELEVANT

MAROONDAH CITY COUNCIL - STANDARD CONSTRUCTION NOTES - MCC-002

- 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 ENCROACHES 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 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. ALL CONCRETE TO HAVE COMPRESSIVE STRENGTH AT 28 DAYS NOT LESS THAN 25 MPa UNLESS SPECIFIED OTHERWISE. 13. ALL CRUSHED ROCK TO BE CURRENT VICROADS REGISTERED MIXES.
- 14. 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. 5. 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. 16. WHERE PRODUCTS HAVE RECOMMENDED SUPPLIERS, ALTERNATIVES MAY BE CONSIDERED, HOWEVER MUST BE ACCEPTED BY COUNCIL IN WRITING

[REMOVED] 18. [REMOVED]

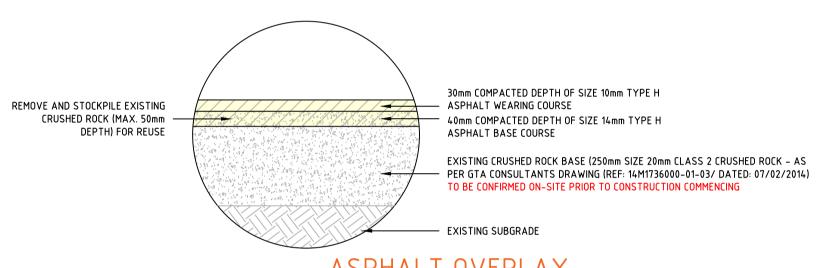
DRAINAGE NOTES

- 19. NO INTERNAL DIMENSION OF JUNCTION PITS SHALL BE LESS THAN PIPE DIAMETER PLUS 150mm.
- 20. WHERE PIT DEPTH EXCEEDS 1000mm, STEP IRONS ARE TO BE INSTALLED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD
- 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
- 25. 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. 26. 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.

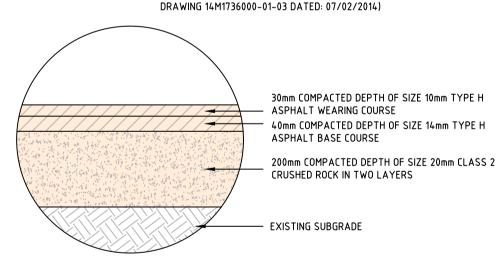
DRAWING NO.	DRAWING TITLE
C001	TITLE SHEET
C002	OVERALL PLAN
C003 - C004	EXISTING CONDITIONS AND DEMOLITION PLAN
C005 - C006	GENERAL LAYOUT PLAN
C007 - C008	SIGNS AND LINE M ARKING PLAN
C009 - C010	SURVEY SETOUT PLAN
C011	SURVEY SETOUT DETAILS
C012	TYPICAL SECTIONS A-A, B-B, C-C AND D-D
C013	TYPICAL SECTIONS E-E
C014	SWEPT PATH ANALYSIS PLAN - S M ALL RIGID VEHICLE (SRV)
C015	SWEPT PATH ANALYSIS PLAN - CAR WITH TRAILER
C016	SWEPT PATH ANALYSIS PLAN - MAROONDAH CITY COUNCIL 10.0m WASTE VEHICLE
C017	LONGITUDINAL SECTION - CENTRELINE 'A' (CL A)
C 0 18	LONGITUDINAL SECTION - LIP OF KERB 'B' & 'C' (LOK B & LOK C)
C019	LONGITUDINAL SECTION - EDGE OF ASPHALT 'D', 'E', 'F' & 'G' (EOA D, EOA E, EOA F & EOA G)
C020	LONGITUDINAL SECTION - EDGE OF ASPHALT 'H', 'I', 'J' & 'K' (EOA H, EOA I, EOA J & EOA K)
C021	LONGITUDINAL SECTION - EDGE OF ASPHALT 'L' & 'M' (EOA L & EOA M)
C022	LONGITUDINAL SECTION - EOA N, FOFP O & BOFP P)
C023	CROSS SECTIONS - CENTRELINE 'A' - CH 7.364 A - CH 30.000 A
C024	CROSS SECTIONS - CENTRELINE 'A' - CH 33.702 A - CH 50.000 A
C025	DRAINAGE LONGITUDINAL SECTION AND PIT SCHEDULE

DRAWING REGISTER



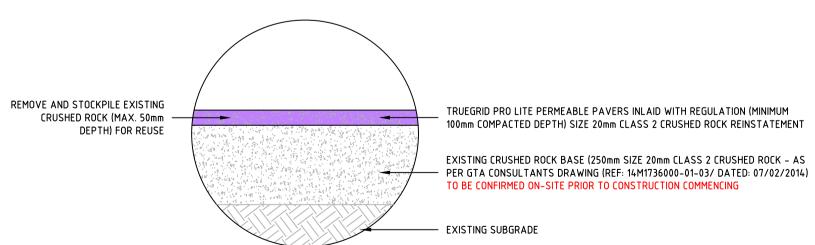
ASPHALT OVERLAY

IN GENERAL ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-101 (REFERENCING: GTA CONSULTANTS



ASPHALT FULL DEPTH IN ACCORDANCE WITH MAROONDAH CITY COUNCIL

STANDARD DRAWING MCC-101



PERMEABLE PAVING (TRUEGRID PRO LITE) OVERLAY PAVEMENT DETAIL

SPECIFICATIONS

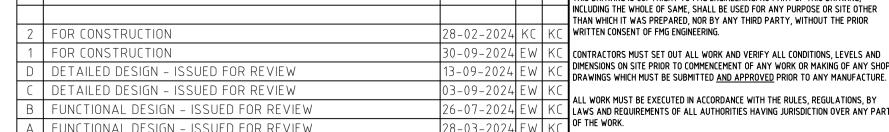
IN GENERAL ACCORDANCE WITH MAROONDAH CITY COUNCIL SPECIFICATIONS AND TRUEGRID PRO LITE MANUFACTURER

FOR CONSTRUCTION

WARNING BEWARE UNDERGROUND SERVICES THE LOCATIONS OF SERVICES ARE

APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE, NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN

MAROONDAH CITY COUNCIL KC / EW No. OF SHEETS CAR PARK UPGRADE WORKS ATE STARTED 01-03-2024 HEATHMONT RESERVE - 264 CANTERBURY ROAD S67664-288753 HEATHMONT, VIC, 3135 RAWING TITLE TITLE SHEET



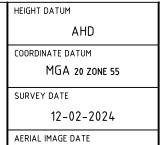
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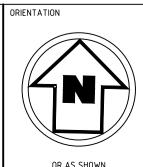






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2	FOR CONSTRUCTION	28-02-2024	KC	KC	WRITTEN CONSENT OF FMG ENGINEERING.	
1	FOR CONSTRUCTION	30-09-2024	ΕW	ı	CONTRACTORS MUST SET OUT ALL WORK AND VERIFY ALL CONDITIONS, LEVELS AND	
D	DETAILED DESIGN - ISSUED FOR REVIEW	13-09-2024	ΕW		DIMENSIONS ON SITE PRIOR TO COMMENCEMENT OF ANY WORK OR MAKING OF ANY SHOP DRAWINGS WHICH MUST BE SUBMITTED AND APPROVED PRIOR TO ANY MANUFACTURE.	
C	DETAILED DESIGN - ISSUED FOR REVIEW	03-09-2024	ΕW		ALL WORK MUST BE EXECUTED IN ACCORDANCE WITH THE RULES, REGULATIONS, BY	
В	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	26-07-2024	ΕW	KC	LAWS AND REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION OVER ANY PART	
А	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	28-03-2024	ΕW	KC	OF THE WORK.	
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COORDINATE DATUM
MGA 20 ZONE 55
SURVEY DATE
12-02-2024
AERIAL IMAGE DATE

10-11-2023



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/ERALL PLAN	$\cup \cup \cup \bot$	<u> </u>	_

EXISTING ASPHALT ROAD PAVEMENT TO BE SAW CUT, REMOVED AND DISPOSED



EXISTING CONCRETE KERB TO BE SAW CUT, REMOVED AND DISPOSED



EXISTING TREE / SHRUB TO BE REMOVED AND DISPOSED

- EX W (D) - EXISTING WATER WITH QUALITY LEVEL

- EX G (D) - EXISTING GAS WITH QUALITY LEVEL

- EX S (D) - EXISTING SEWER WITH QUALITY LEVEL - EX T (D) - EXISTING TELECOMMUNICATIONS WITH QUALITY LEVEL

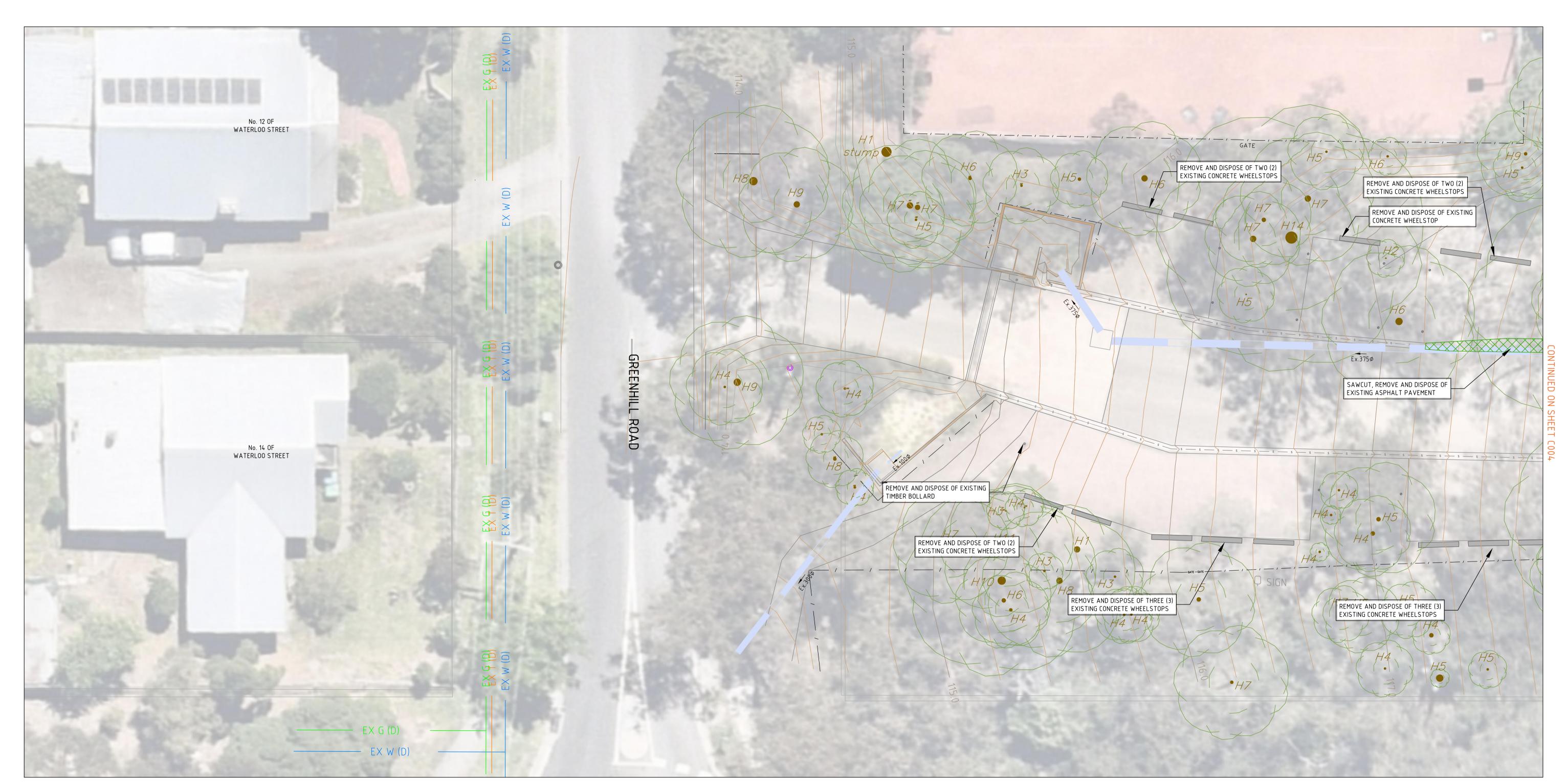
- EXE(D) - EXISTING ELECTRICITY WITH QUALITY LEVEL

— E O/H — EXISTING OVERHEAD CABLE EXISTING CONTOUR MAJOR (1.0m)

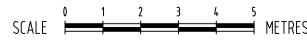
EXISTING CONTOUR MINOR (0.2m) EXISTING DRAINAGE PIPE

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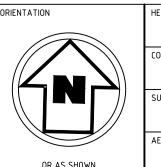


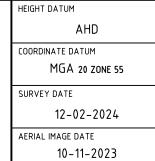
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CAR PARK UPGRADE WORKS SITE ADDRESS	АН	No. OF SHEETS DATE STARTED	25
HEATHMONT, VIC, 3135	SITE ID & JOB No. S67664-28 DRAWING No.	R	EV.
EXISTING CONDITIONS AND DEMOLITION PLAN	C003	3	2

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Α	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	28-03-2024	ΕW	KC	OF THE WORK.
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EXISTING ASPHALT ROAD PAVEMENT TO BE SAW CUT, REMOVED AND DISPOSED



EXISTING CONCRETE KERB TO BE SAW CUT, REMOVED AND DISPOSED



EXISTING TREE / SHRUB TO BE REMOVED AND DISPOSED

- EX W (D) - EXISTING WATER WITH QUALITY LEVEL

- EX G (D) - EXISTING GAS WITH QUALITY LEVEL - EX S (D) - EXISTING SEWER WITH QUALITY LEVEL

- EX T (D) - EXISTING TELECOMMUNICATIONS WITH QUALITY LEVEL

- EX E (D) - EXISTING ELECTRICITY WITH QUALITY LEVEL

— E O/H — EXISTING OVERHEAD CABLE EXISTING CONTOUR MAJOR (1.0m)

EXISTING CONTOUR MINOR (0.2m)

EXISTING DRAINAGE PIPE



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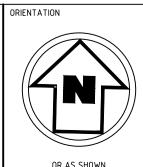




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HEATHMONT RESERVE - 264 CANTERBURY ROAD	SITE ID & JOB No.	REV.	$\overline{}$
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DRAWING TITLE	DRAWING No.		
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FOR CONSTRUCTION

DETAILED DESIGN - ISSUED FOR REVIEW

DETAILED DESIGN - ISSUED FOR REVIEW

FUNCTIONAL DESIGN - ISSUED FOR REVIEW

FUNCTIONAL DESIGN - ISSUED FOR REVIEW

DESCRIPTION

270mm COMPACTED DEPTH FULL DEPTH ASPHALT PAVEMENT – CONSTRUCTED IN ACCORDANCE WITH DETAIL ON SHEET 01 AND MAROONDAH CITY COUNCIL MCC-101

REGULATION (MINIMUM 70mm COMPACTED DEPTH) ASPHALT OVERLAY – CONSTRUCTED IN ACCORDANCE WITH DETAIL ON SHEET 01 AND MAROONDAH CITY COUNCIL MCC-101

CITY COUNCIL STANDARD DRAWING MCC-401

REGULATION (MINIMUM 100mm COMPACTED DEPTH) SIZE 20mm CLASS 2 CRUSHED ROCK
REINSTATEMENT - CONSTRUCTED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL SPECIFICATIONS

150mm THICK REINFORCED CONCRETE FOOTPATH - CONSTRUCTED IN ACCORDANCE WITH MAROONDAH

CONCRETE KERB AND CHANNEL – CONSTRUCTED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-107 AND VICROADS STANDARD DRAWING SD 2001 F

TRUEGRID PRO LITE PEI

TRUEGRID PRO LITE PERMEABLE PAVERS INLAID WITH REGULATION (MINIMUM 100mm COMPACTED DEPTH) SIZE 20mm CLASS 2 CRUSHED ROCK REINSTATEMENT – CONSTRUCTED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL AND MANUFACTURER SPECIFICATIONS

TOPSOIL & BUSH MULCH WITH LOW LYING VEGETATION (MAROONDAH CITY COUNCIL APPROVED)

REINSTATEMENT - REINSTATED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL SPECIFICATIONS

EXISTING DRAINAGE PIPE

REMOVE/DECOMMISSION EXISTING DRAINAGE PIPE

NEW DRAINAGE PIPE

NEW DRAINAGE PIT

NEW DRAINAGE PIT

DIRECTION OF CHANNEL FLOW

DIRECTION OF PAVEMENT SHEET FLOW

--- FILL BATTER EXTENT

--- CUT BATTER EXTENT

EXISTING CONTOUR MAJOR (1.0m)
EXISTING CONTOUR MINOR (0.20m)

FINISHED SURFACE CONTOUR MAJOR (1.0m)
FINISHED SURFACE CONTOUR MINOR (0.20m)

- EX W (D) - EXISTING WATER WITH QUALITY LEVEL
- EX G (D) - EXISTING GAS WITH QUALITY LEVEL
- EX S (D) - EXISTING SEWER WITH QUALITY LEVEL

- EX T (D) - EXISTING TELECOMMUNICATIONS WITH QUALITY LEVEL

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WARNING



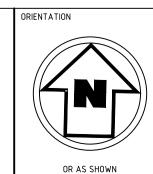
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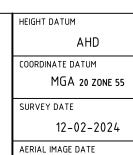
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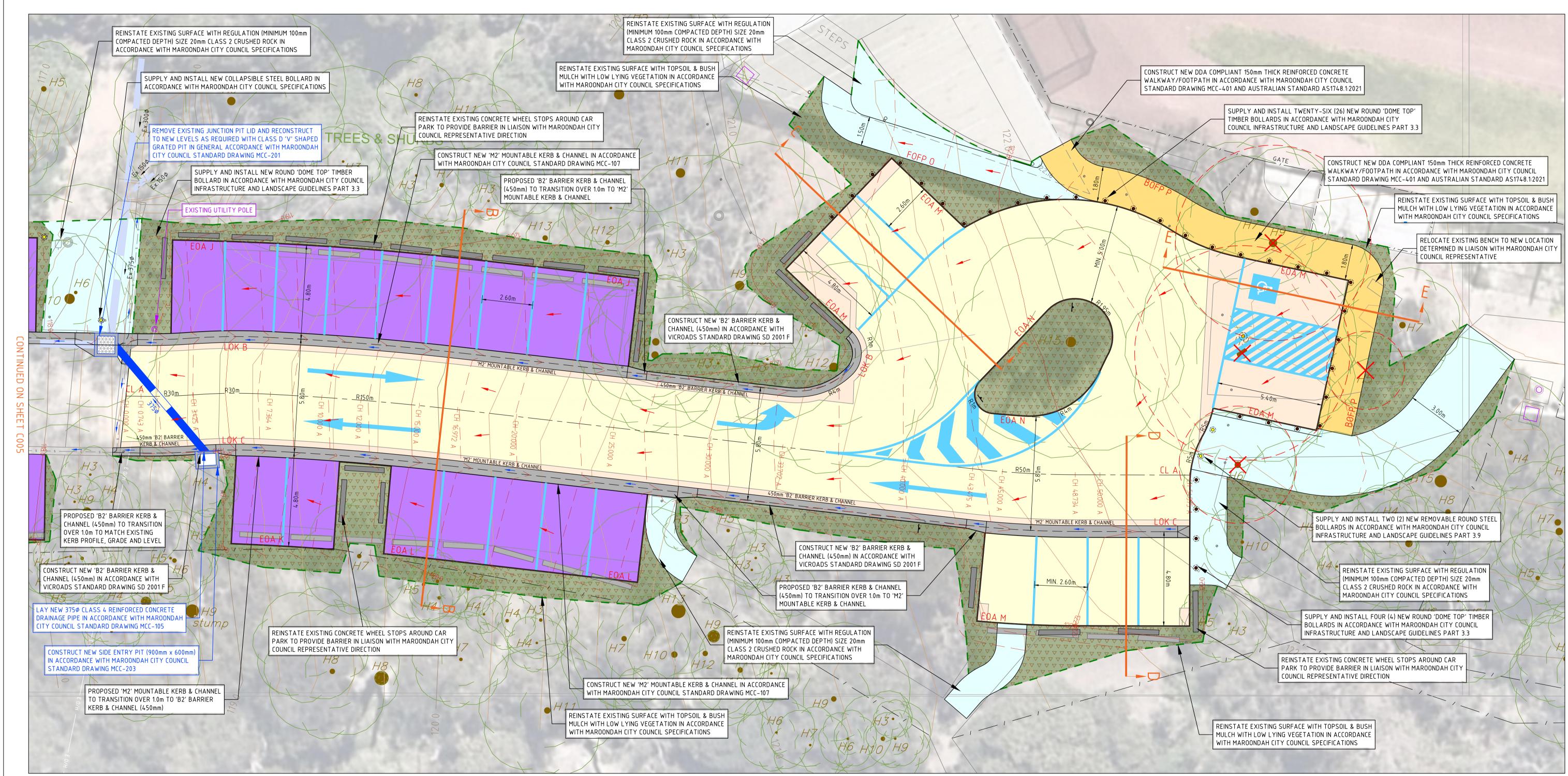


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ENERAL LAYOUT PLAN			2

LEGEND TRUEGRID PRO LITE PERMEABLE PAVERS INLAID WITH REGULATION (MINIMUM 100mm 270mm COMPACTED DEPTH FULL DEPTH ASPHALT PAVEMENT - CONSTRUCTED IN ACCORDANCE ─ ─ ─ FILL BATTER EXTENT COMPACTED DEPTH) SIZE 20mm CLASS 2 CRUSHED ROCK REINSTATEMENT - CONSTRUCTED WITH DETAIL ON SHEET 01 AND MAROONDAH CITY COUNCIL MCC-101 — — — CUT BATTER EXTENT IN ACCORDANCE WITH MAROONDAH CITY COUNCIL AND MANUFACTURER SPECIFICATIONS 27/9 / EXISTING CONTOUR MAJOR (1.0m) TOPSOIL & BUSH MULCH WITH LOW LYING VEGETATION (MAROONDAH CITY COUNCIL APPROVED) REGULATION (MINIMUM 70mm COMPACTED DEPTH) ASPHALT OVERLAY - CONSTRUCTED IN ACCORDANCE EXISTING CONTOUR MINOR (0.20m) REINSTATEMENT - REINSTATED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL SPECIFICATIONS WITH DETAIL ON SHEET 01 AND MAROONDAH CITY COUNCIL MCC-101 FINISHED SURFACE CONTOUR MAJOR (1.0m) EXISTING DRAINAGE PIPE 150mm THICK REINFORCED CONCRETE FOOTPATH - CONSTRUCTED IN ACCORDANCE WITH MAROONDAH FINISHED SURFACE CONTOUR MINOR (0.20m) REMOVE/DECOMMISSION EXISTING DRAINAGE PIPE CITY COUNCIL STANDARD DRAWING MCC-401 - EX W (D) - EXISTING WATER WITH QUALITY LEVEL NEW DRAINAGE PIPE - EX G (D) - EXISTING GAS WITH QUALITY LEVEL REGULATION (MINIMUM 100mm COMPACTED DEPTH) SIZE 20mm CLASS 2 CRUSHED ROCK NEW DRAINAGE PIT - EX S (D) - EXISTING SEWER WITH QUALITY LEVEL REINSTATEMENT - CONSTRUCTED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL SPECIFICATIONS - EX T (D) - EXISTING TELECOMMUNICATIONS WITH QUALITY LEVEL DIRECTION OF CHANNEL FLOW CONCRETE KERB AND CHANNEL - CONSTRUCTED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL DIRECTION OF PAVEMENT SHEET FLOW STANDARD DRAWING MCC-107 AND VICROADS STANDARD DRAWING SD 2001 F REINSTATE EXISTING SURFACE WITH REGULATION (MINIMUM 100mm COMPACTED DEPTH) SIZE 20mm REINSTATE EXISTING SURFACE WITH REGULATION (MINIMUM 100mm CLASS 2 CRUSHED ROCK IN ACCORDANCE WITH COMPACTED DEPTH) SIZE 20mm CLASS 2 CRUSHED ROCK IN MAROONDAH CITY COUNCIL SPECIFICATIONS ACCORDANCE WITH MAROONDAH CITY COUNCIL SPECIFICATIONS REINSTATE EXISTING SURFACE WITH TOPSOIL & BUSH MULCH WITH LOW LYING VEGETATION IN ACCORDANCE SUPPLY AND INSTALL NEW COLLAPSIBLE STEEL BOLLARD IN WITH MAROONDAH CITY COUNCIL SPECIFICATIONS ACCORDANCE WITH MAROONDAH CITY COUNCIL SPECIFICATIONS REINSTATE EXISTING CONCRETE WHEEL STOPS AROUND CAR PARK TO PROVIDE BARRIER IN LIAISON WITH MAROONDAH CITY

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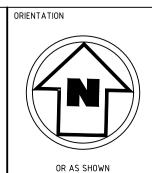
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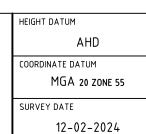
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DESCRIPTION





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GENERAL LAYOUT PLAN

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fmgengine	ering.com.au	P 1300 975 87	78 ABN	58 083 071 185
ISO 9001 Quality Management System ISO 45001 OH&S Management System				

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T ROONDAH CITY COUNCIL	DESIGNED DRAWN KC / EW KC
AR PARK UPGRADE WORKS ADDRESS ATHMONT RESERVE - 264 CANTERBURY ROAD ATHMONT, VIC, 3135	CHECKED AH 25 SCALE 1:100@A1 01-03-2024 SITE ID & JOB No. S67664-288753
ENERAL LAYOUT PLAN	DRAWING No. 2

270mm COMPACTED DEPTH FULL DEPTH ASPHALT PAVEMENT - CONSTRUCTED IN ACCORDANCE WITH DETAIL ON SHEET 01 AND MAROONDAH CITY COUNCIL MCC-101

REGULATION (MINIMUM 70mm COMPACTED DEPTH) ASPHALT OVERLAY - CONSTRUCTED IN ACCORDANCE WITH DETAIL ON SHEET 01 AND MAROONDAH CITY COUNCIL MCC-101

> 150mm THICK REINFORCED CONCRETE FOOTPATH - CONSTRUCTED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-401

REGULATION (MINIMUM 100mm COMPACTED DEPTH) SIZE 20mm CLASS 2 CRUSHED ROCK REINSTATEMENT – CONSTRUCTED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL SPECIFICATIONS

CONCRETE KERB AND CHANNEL – CONSTRUCTED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-107 AND VICROADS STANDARD DRAWING SD 2001 F

TRUEGRID PRO LITE PERMEABLE PAVERS INLAID WITH REGULATION (MINIMUM 100mm COMPACTED DEPTH) SIZE 20mm CLASS 2 CRUSHED ROCK REINSTATEMENT - CONSTRUCTED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL AND MANUFACTURER SPECIFICATIONS

TOPSOIL & BUSH MULCH WITH LOW LYING VEGETATION (MAROONDAH CITY COUNCIL APPROVED) REINSTATEMENT - REINSTATED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL SPECIFICATIONS

EXISTING DRAINAGE PIPE REMOVE/DECOMMISSION EXISTING DRAINAGE PIPE

NEW DRAINAGE PIPE

NEW DRAINAGE PIT DIRECTION OF CHANNEL FLOW

DIRECTION OF PAVEMENT SHEET FLOW

─ ─ ─ FILL BATTER EXTENT

— — — CUT BATTER EXTENT

EXISTING CONTOUR MAJOR (1.0m) EXISTING CONTOUR MINOR (0.20m) FINISHED SURFACE CONTOUR MAJOR (1.0m)

- EX W (D) - EXISTING WATER WITH QUALITY LEVEL - EX G (D) - EXISTING GAS WITH QUALITY LEVEL

- EX S (D) - EXISTING SEWER WITH QUALITY LEVEL - EX T (D) - EXISTING TELECOMMUNICATIONS WITH QUALITY LEVEL SIGNS LEGEND







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FINISHED SURFACE CONTOUR MINOR (0.20m)

'NO ENTRY SIGN'

'KEEP LEFT SIGN' R2-3(L)

'UNSUITABLE FOR LARGE VEHICLES SIGN' 'HAIRPIN BEND 'RIGHT' SIGN'

SIGNAGE SHOWN ON LAYOUT PLAN AS - 9



SIGNS AND LINE MARKING PLAN

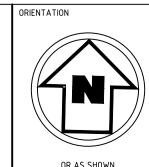
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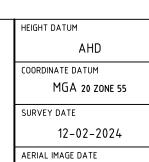
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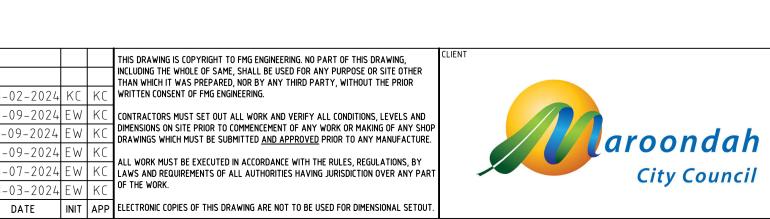
10-11-2023



CLIENT
MAROONDAH CITY COUNCIL
PROJECT TITLE
ICAR PARK UPGRADE WORKS
SITE ADDRESS
HEATHMONT RESERVE - 264 CANTERBURY ROAD
HEATHMONT, VIC, 3135
DRAWING TITLE
ISIGNS AND LINE MARKING PLAN

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LEGEND 270mm COMPACTED DEPTH FULL DEPTH ASPHALT PAVEMENT - CONSTRUCTED IN ACCORDANCE WITH DETAIL ON SHEET 01 AND MAROONDAH CITY COUNCIL MCC-101 REGULATION (MINIMUM 70mm COMPACTED DEPTH) ASPHALT OVERLAY - CONSTRUCTED IN ACCORDANCE WITH DETAIL ON SHEET 01 AND MAROONDAH CITY COUNCIL MCC-101 EXISTING DRAINAGE PIPE 150mm THICK REINFORCED CONCRETE FOOTPATH - CONSTRUCTED IN ACCORDANCE WITH MAROONDAH REMOVE/DECOMMISSION EXISTING DRAINAGE PIPE CITY COUNCIL STANDARD DRAWING MCC-401 NEW DRAINAGE PIPE REGULATION (MINIMUM 100mm COMPACTED DEPTH) SIZE 20mm CLASS 2 CRUSHED ROCK REINSTATEMENT - CONSTRUCTED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL SPECIFICATIONS CONCRETE KERB AND CHANNEL - CONSTRUCTED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-107 AND VICROADS STANDARD DRAWING SD 2001 F DIRECTION OF PAVEMENT SHEET FLOW



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FOR CONSTRUCTION

DETAILED DESIGN - ISSUED FOR REVIEW

DETAILED DESIGN - ISSUED FOR REVIEW

FUNCTIONAL DESIGN - ISSUED FOR REVIEW

FUNCTIONAL DESIGN - ISSUED FOR REVIEW

DESCRIPTION

TRUEGRID PRO LITE PERMEABLE PAVERS INLAID WITH REGULATION (MINIMUM 100mm

NEW DRAINAGE PIT

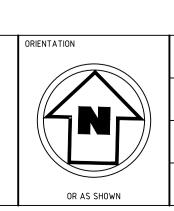
DIRECTION OF CHANNEL FLOW

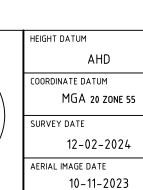
COMPACTED DEPTH) SIZE 20mm CLASS 2 CRUSHED ROCK REINSTATEMENT - CONSTRUCTED

TOPSOIL & BUSH MULCH WITH LOW LYING VEGETATION (MAROONDAH CITY COUNCIL APPROVED)

REINSTATEMENT - REINSTATED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL SPECIFICATIONS

IN ACCORDANCE WITH MAROONDAH CITY COUNCIL AND MANUFACTURER SPECIFICATIONS



















MAROONDAH CITY COUNCIL CAR PARK UPGRADE WORKS HEATHMONT RESERVE - 264 CANTERBURY ROAD HEATHMONT, VIC, 3135

SIGNS AND LINE MARKING PLAN

FOR CONSTRUCTION KC / EW AH 1:100@A1 01-03-2024 TE ID & JOB No. S67664-288753

WARNING

BEWARE UNDERGROUND SERVICES

THE LOCATIONS OF SERVICES ARE

APPROXIMATE ONLY AND THEIR EXACT

POSITION SHOULD BE PROVEN ON SITE. NO

GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN

YOU DIG

SIGNS LEGEND

KEEP LEFT UNSUITABLE FOR LARGE

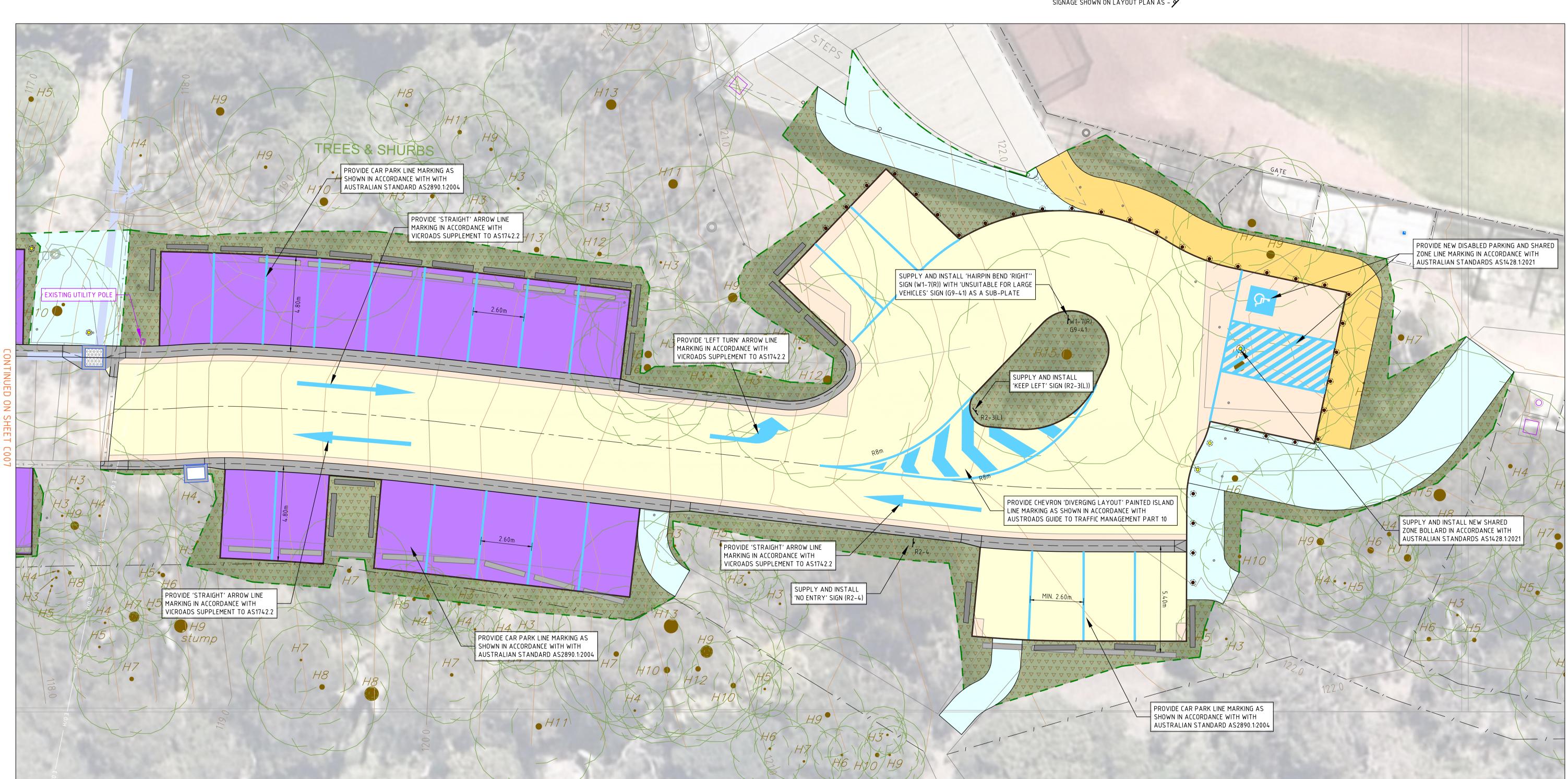




'KEEP LEFT SIGN' 'UNSUITABLE FOR LARGE VEHICLES SIGN' 'HAIRPIN BEND 'RIGHT' SIGN' R2-3(L)

SIGNAGE SHOWN ON LAYOUT PLAN AS - 9

'NO ENTRY SIGN'



─ ─ ─ FILL BATTER EXTENT

— — — CUT BATTER EXTENT

EXISTING CONTOUR MAJOR (1.0m)

EXISTING CONTOUR MINOR (0.20m)

FINISHED SURFACE CONTOUR MINOR (0.20m)

- EX T (D) - EXISTING TELECOMMUNICATIONS WITH QUALITY LEVEL

FINISHED SURFACE CONTOUR MAJOR (1.0m)

- EX W (D) - EXISTING WATER WITH QUALITY LEVEL

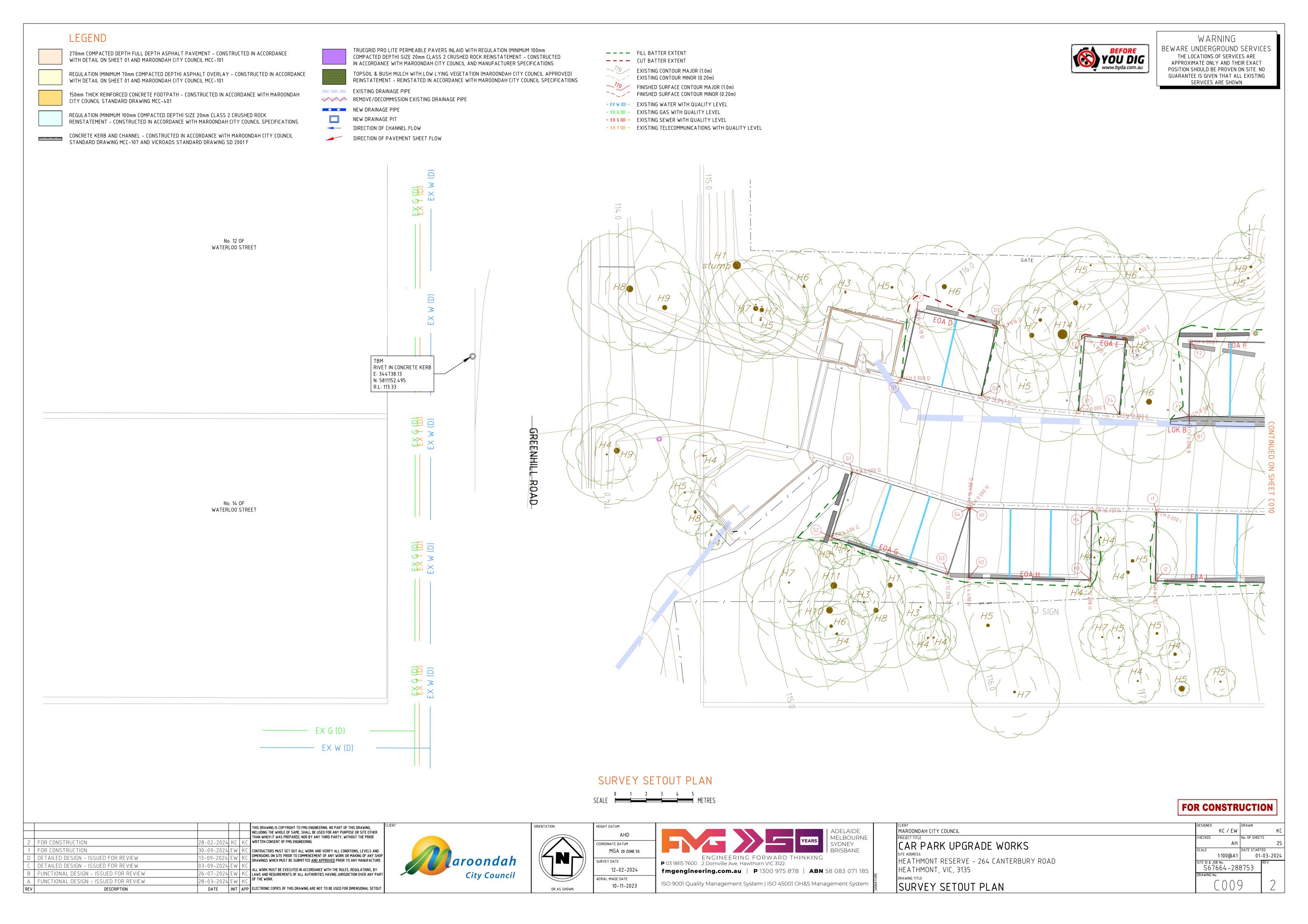
- EX S (D) - EXISTING SEWER WITH QUALITY LEVEL

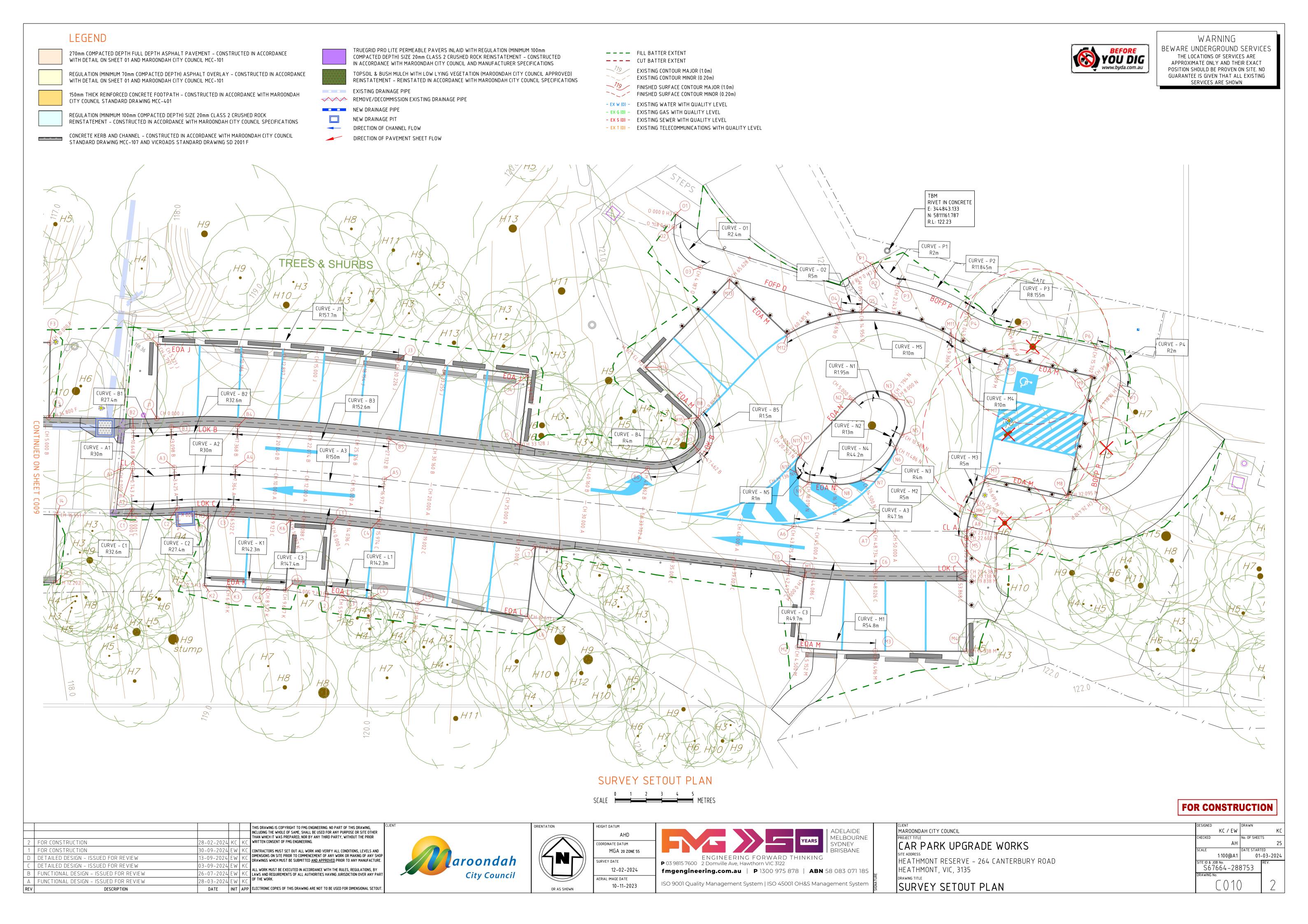
- EX G (D) - EXISTING GAS WITH QUALITY LEVEL

SIGNS AND LINE MARKING PLAN

SCALE D 1 2 3 4 5 METRES

	ORIENTATION	Г
aroondah City Council		:





SURVEY SETOUT INFORMATION CENTRELINE 'A' (CL A)

SETOUT POINT SHOWN AS:



SETOUT NUMBER	EASTING	NORTHING	R.L.
A1	344794.216	5811146.619	118.434
A2	344794.958	5811146.625	118.508
А3	344797.635	5811146.765	118.803
A4	344801.569	5811146.889	119.276
A5	344811.159	5811146.328	120.194
A6	344837.554	5811143.934	121.779
A7	344842.807	5811143.752	121.971
A8	344848.646	5811143.875	122.146

SURVEY SETOUT INFORMATION LIP OF KERB 'B' (LOK B)

SETOUT POINT SHOWN AS:

(B2)	

SETOUT NUMBER	EASTING	NORTHING	R.L.
B1	344784.290	5811149.143	117.349
B2	344794.937	5811149.225	118.482
В3	344797.383	5811149.353	118.777
B4	344801.648	5811149.488	119.249
B5	344811.393	5811148.917	120.168
В6	344828.055	5811147.406	121.239
В7	344831.312	5811148.630	121.455
В8	344831.237	5811150.773	121.479

SURVEY SETOUT INFORMATION LIP OF KERB 'C' (LOK C)

SETOUT POINT SHOWN AS:



SETOUT NUMBER	EASTING	NORTHING	R.L.
C1	344794.978	5811144.025	118.482
C2	344797.886	5811144.177	118.777
C3	344801.490	5811144.290	119.251
C4	344810.924	5811143.738	120.168
C5	344837.319	5811141.344	121.753
C6	344842.862	5811141.152	121.945
С7	344848.701	5811141.276	122.120

SURVEY SETOUT INFORMATION EDGE OF ASPHALT 'D' (EOA D)

SETOUT POINT SHOWN AS:



			8
SETOUT NUMBER	EASTING	NORTHING	R.L.
D1	344765.768	5811151.757	115.437
D2	344766.628	5811156.089	115.658
D3	344771.727	5811155.078	116.201
D4	344770.854	5811150.735	115.979

SURVEY SETOUT INFORMATION EDGE OF ASPHALT 'E' (EOA E)

SETOUT POINT SHOWN AS:



1				
	SETOUT NUMBER	EASTING	NORTHING	R.L.
	E1	344777.171	5811149.912	116.63
	E2	344777.464	5811154.702	116.821
	E3	344780.059	5811154.531	117.027
	E4	344779.766	5811149.741	116.883

SURVEY SETOUT INFORMATION EDGE OF ASPHALT 'F' (EOA F)

SETOUT POINT SHOWN AS:



			0
SETOUT NUMBER	EASTING	NORTHING	R.L.
F1	344784.285	5811149.744	117.359
F2	344784.248	5811154.543	117.407
F3	344789.448	5811154.583	117.864
F4	344789.485	5811149.784	117.912

SURVEY SETOUT INFORMATION EDGE OF ASPHALT 'G' (EOA G)

SETOUT POINT SHOWN AS:



SETOUT NUMBER	EASTING	NORTHING	R.L.
G1	344762.737	5811145.640	115.156
G2	344761.506	5811141.410	115.244
G3	344768.996	5811139.231	115.903
G4	344770.247	5811143.534	115.993

SURVEY SETOUT INFORMATION EDGE OF ASPHALT 'H' (EOA H)

SETOUT POINT SHOWN AS:



SETOUT NUMBER	EASTING	NORTHING	R.L.
H1	344770.340	5811143.534	116.002
H2	344770.374	5811139.037	116.047
H3	344778.174	5811139.096	116.799
H4	344778.140	5811143.528	116.755

SURVEY SETOUT INFORMATION EDGE OF ASPHALT 'I' (EOA I)

SETOUT POINT SHOWN AS:



SETOUT	EASTING	NORTHING	R.L.	
NUMBER	LASTING	NONTHING	IV.L.	
I1	344782.341	5811143.529	117.194	
12	344782.375	5811139.129	117.238	
13	344790.174	5811139.188	118.056	
14	344790.141	5811143.536	118.013	

SURVEY SETOUT INFORMATION EDGE OF ASPHALT 'J' (EOA J)

SETOUT POINT SHOWN AS:



			0
SETOUT NUMBER	EASTING	NORTHING	R.L.
J1	344796.441	5811149.880	118.678
J2	344796.405	5811154.636	118.726
J3	344811.854	5811153.996	120.223
J4	344820.222	5811153.237	120.757
J5	344819.816	5811148.757	120.712

SURVEY SETOUT INFORMATION EDGE OF ASPHALT 'K' (EOA K)

SETOUT POINT SHOWN AS:



SETOUT NUMBER	EASTING	NORTHING	R.L.
K1	344799.922	5811143.698	119.053
K2	344799.772	5811139.225	119.098
К3	344801.306	5811139.193	119.305
K4	344803.865	5811139.103	119.595
K5	344804.968	5811139.050	119.708
K6	344805.170	5811143.545	119.663

SURVEY SETOUT INFORMATION EDGE OF ASPHALT 'L' (EOA L)

SETOUT POINT SHOWN AS:



TOUT JMBER	EASTING	NORTHING	R.L.
L1	344807.859	5811143.382	119.92
L2	344807.575	5811138.892	119.965
L3	344808.599	5811138.816	120.065
L4	344810.463	5811138.659	120.223
L5	344813.479	5811138.386	120.435
L6	344820.542	5811137.745	120.860
L7	344820.948	5811142.226	120.815

SURVEY SETOUT INFORMATION EDGE OF ASPHALT 'M' (EOA M)

SETOUT POINT SHOWN AS:



SETOUT NUMBER	EASTING	NORTHING	R.L.
M1	344838.292	5811140.663	121.802
M2	344837.977	5811136.175	121.847
M3	344842.970	5811136.053	122.000
M4	344848.810	5811136.178	122.175
M5	344848.656	5811143.440	122.142
M6	344849.248	5811145.908	122.200
M7	344849.755	5811147.342	122.249
M8	344855.061	5811146.339	122.357
M9	344856.509	5811154.003	122.435
M10	344850.698	5811155.102	122.376
M11	344847.393	5811156.364	122.323
M12	344836.839	5811156.222	121.874
M13	344833.036	5811159.684	121.617
M14	344827.785	5811153.917	121.436
M15	344831.235	5811150.775	121.479

SURVEY SETOUT INFORMATION EDGE OF ASPHALT 'N' (EOA N)

SETOUT POINT SHOWN AS:



SETOUT NUMBER	EASTING	EASTING NORTHING	
N1	344837.808	5811148.438	121.835
N2	344841.173	5811152.135	122.06
N3	344843.717	5811152.430	122.148
N4	344843.881	5811152.305	122.15
N5	344844.360	5811149.951	122.124
N6	344843.987	5811149.135	122.098
N7	344841.937	5811147.023	122.008
N8	344840.142	5811146.672	121.909
N9	344838.471	5811146.767	121.846
N10	344837.618	5811147.395	121.816
N11	344837.807	5811148.437	121.833
		_	

SURVEY SETOUT INFORMATION FRONT OF FOOTPATH 'O' (FOFP O)

SETOUT POINT SHOWN AS:



			0
SETOUT	EASTING	NORTHING	R.L.
NUMBER	EASTING	NONTHING	N.L.
01	344829.485	5811163.808	121.551
02	344829.398	5811162.999	121.531
O3	344831.140	5811160.432	121.521
04	344840.226	5811157.911	122.115
O5	344841.558	5811157.822	122.198

SURVEY SETOUT INFORMATION BACK OF FOOTPATH 'P' (BOFP P)

SETOUT POINT SHOWN AS:

LIP OF KERB 'C'

CURVE – C1

SET OUT DETAILS

INT

ARC

M2

32.6

5°7′13″

1.458

2.913

0.033

0.008



EASTING	NORTHING	R.L.
344842.183	5811160.880	122.22
344842.391	5811160.518	122.226
344843.852	5811159.533	122.260
344848.346	5811157.943	122.341
344851.041	5811156.914	122.394
344856.700	5811155.845	122.452
344858.294	5811153.508	122.452
344856.888	5811146.074	122.376
	344842.183 344842.391 344843.852 344848.346 344851.041 344856.700 344858.294	344842.183 5811160.880 344842.391 5811160.518 344843.852 5811159.533 344848.346 5811157.943 344851.041 5811156.914 344856.700 5811155.845 344858.294 5811153.508

YOU DIG

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

CURVE / ARC SETOUT DETAILS

LIP OF KERB 'B'

CURVE – B3 SET OUT DETAILS

152.669

3°39′52″

4.884

9.762

9.764

0.078

0.02

CENTRELINE 'A' CURVE – A1				CENTRELINE 'A' CURVE – A2			LINE 'A' - A3
SET OUT	DETAILS		SET OUT	DETAILS		SET OUT	DETAILS
RAD.	30		RAD.	30		RAD.	150.069
INT	5°7′22"		INT	7°31′24″		INT	3°40′5″
TAN	1.342		TAN	1.972		TAN	4.805
CHD	2.681		CHD	3.936		CHD	9.606
ARC	2.682		ARC	3.939		ARC	9.607
M1	0.03		M1	0.065]	M1	0.077
M2	0.007		M2	0.016	1	M2	0.019

LIP OF I	KERB 'B'
CURVE	– B1
SET OUT	DETAILS
RAD.	27.4
INT	5°7′22"
TAN	1.226
CHD	2.449
ARC	2.45
M1	0.027
M2	0.007

LIP OF KERB 'C'

CURVE – C2

SET OUT DETAILS

RAD.

INT

TAN

CHD

ARC

M1

27.4

7°32′39"

1.807

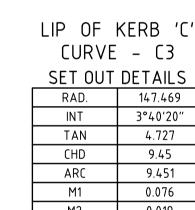
3.605

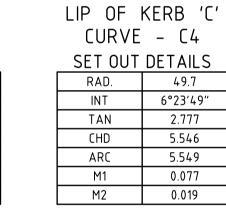
3.608

0.059

0.015

LIP OF I	KERB 'B'				
CURVE	CURVE – B2				
SET OUT	DETAILS				
RAD.	32.6				
INT	7°30′19"				
TAN	2.138				
CHD	4.267				
ARC	4.27				
M1	0.07				
M2	0.017				
LIP OF	KERB 'C'				





TAN

CHD

ERB 'C' - C4	EC		ASPHALT E – J1	'J' E[ASPHAL [*] /E – K1
		CONVI			COIN	V L - 1\1
DETAILS		SET OUT	DETAILS		SET OL	JT DETAIL:
49.7		RAD.	157.7		RAD.	142.369
6°23′49″		INT	5°37′12″]	INT	2°5′34"
2.777		TAN	7.741		TAN	2.6
5.546		CHD	15.463		CHD	5.2
5.549		ARC	15.469		ARC	5.2
0.077		M1	0.19		M1	0.024
0.019		M2	0.047		M2	0.006
	•			_		

CENTRELINE 'A'

CURVE - A4 SET OUT DETAILS

LIP OF KERB 'B'

CURVE – B4

SET OUT DETAILS

INT

TAN

CHD

ARC

M1

INT

TAN

CHD

ARC

M1

M2

47.1

6°23′49"

2.632

5.256 5.259

0.073 0.018

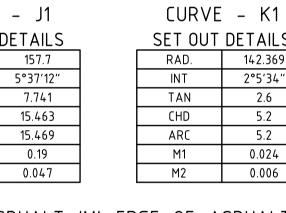
51°34′6″

1.932

3.48

3.6

0.398



LIP OF KERB 'B'

CURVE – B5

SET OUT DETAILS

INT

TAN

CHD

ARC

M1 M2 1.5

91°17′54″

1.534

2.145

2.39

0.451

0.117

Т	'K'	ED			SPHALT	,
C				. –	DETAILS	
<u>S</u>	1		RAD.	<i>J</i> 1	142.369	٦
,,	1		INT		1°9′57″	1
]		TAN		1.449	
			CHD		2.897	\rfloor
			ARC		2.897	
			M1		0.007	
			M2		0.002	

)	GE OF	ASPHALT	'M'	EDC	GE OF	ASPHALT	'M'	ED	GE OF	ΑS	SPHALT	'M'	ED	GE OF	ASP	HALT	'M'	ED	GE OF	ΑS	SPHALT	
	CURV	E – M1			CURV	/E – M2			CUR	VE	- M3			CUR\	√E –	M4			CUR'	VΕ	- M5	
	SET OU	T DETAILS	_		SET OL	JT DETAILS			SET 0	UT	DETAILS	_	_	SET OU	JT DE	TAILS	_	_	SET 0	UT	DETAILS	
	RAD.	54.8			RAD.	5			RAD.		5			RAD.		10			RAD.		10	
	INT	5°13′26"			INT	29°24′38″			INT		17°29′22″			INT	2	0°22′42″			INT		63°42′29″	
	TAN	2.5			TAN	1.312			TAN		0.769			TAN		1.797			TAN		6.213	
	CHD	4.995			CHD	2.538			CHD		1.52			CHD		3.538			CHD		10.555	
	ARC	4.996			ARC	2.567			ARC		1.526			ARC		3.557			ARC		11.119	
	M1	0.057			M1	0.164			M1		0.058			M1		0.158			M1		1.506	_
	M2	0.014			M2	0.041			M2		0.015			M2		0.04			M2		0.384	
•	_		_			_					-		•				_	_	-		-	_

ΕC	GE OF A	SPHALT	'N' ED	GE OF A	SPHALT	Ν' E	DGE OF A	SPHALT	'N'	EDGE OF A	SPHALT	'N' ED	GE OF A	SPHALT '	'N'
	CURVE	– N1		CURVE	- N2		CURVE	– N3		CURVE	- N4		CURVE	- N5	
	SET OUT	DETAILS		SET OUT	DETAILS		SET OUT	DETAILS	_	SET OUT	DETAILS	_	SET OUT	DETAILS	
	RAD.	1.95		RAD.	13.029		RAD.	4		RAD.	44.11		RAD.	1	ļ
	INT	164°12′1″		INT	3°56′49"		INT	69°35′57″		INT	2°10′29"		INT	127°59′9"	ļ
	TAN	14.053		TAN	0.449		TAN	2.78		TAN	0.837		TAN	2.05	ļ
	CHD	3.863		CHD	0.897		CHD	4.566		CHD	1.674		CHD	1.797	ļ
	ARC	5.588		ARC	0.897		ARC	4.859		ARC	1.674		ARC	2.234	ļ
	M1	1.682		M1	0.008		M1	0.715		M1	0.008	1	M1	0.562	

M2

0.183

BOFF	'0'
CURVE	- 01
SET OUT	DETAILS
RAD.	2.4
INT	80°31′14″
TAN	2.032
CHD	3.102
ARC	3.373
M1	0.569
M2	0.147

BOFF	° '0'
CURVE	- 02
SET OUT	DETAILS
RAD.	5
INT	15°21′28″
TAN	0.674
CHD	1.336
ARC	1.34
M1	0.045
M2	0.011

FOFP 'P'						
CURVE	- P1					
SET OUT	DETAILS					
RAD.	2					
INT	52°17′22″					
TAN	0.982					
CHD	1.763					
ARC	1.825					
M1	0.205					
M2	0.052					

0.002

M2

FF	Ρ'	
٧E	- P1	
JT	DETAILS	S
	2	
	52°17′22″	
	0.982	
	1.763	
	1.825	
	0.205	
	0.052	
	•	

FOFF	'P'		F0
CURVE	- P2		CUR
SET OUT	DETAILS	_	SET OI
RAD.	11.845		RAD.
INT	23°12′59"		INT
TAN	2.433		TAN
CHD	4.767		CHD
ARC	4.8		ARC
M1	0.242		M1
M2	0.061		M2
	· · · · · · · · · · · · · · · · · · ·	=	

M2 0.002

FOFF	'P'	FOFF	'P'
CURVE	- P3	CURVE	- P4
SET OUT	DETAILS	SET OUT	DETAILS
RAD.	8.155	RAD.	2
INT	20°22′42″	INT	90°0′0"
TAN	1.466	TAN	2
CHD	2.885	CHD	2.828
ARC	2.9	ARC	3.142
M1	0.129	M1	0.586
M2	0.032	M2	0.152

M2 0.152

FOR CONSTRUCTION

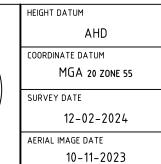
2	FOR CONSTRUCTION	28-02-2024	KC
1	FOR CONSTRUCTION	30-09-2024	EW
D	DETAILED DESIGN - ISSUED FOR REVIEW	13-09-2024	ΕW
C	DETAILED DESIGN - ISSUED FOR REVIEW	03-09-2024	EW
В	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	26-07-2024	EW
Α	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	28-03-2024	EW

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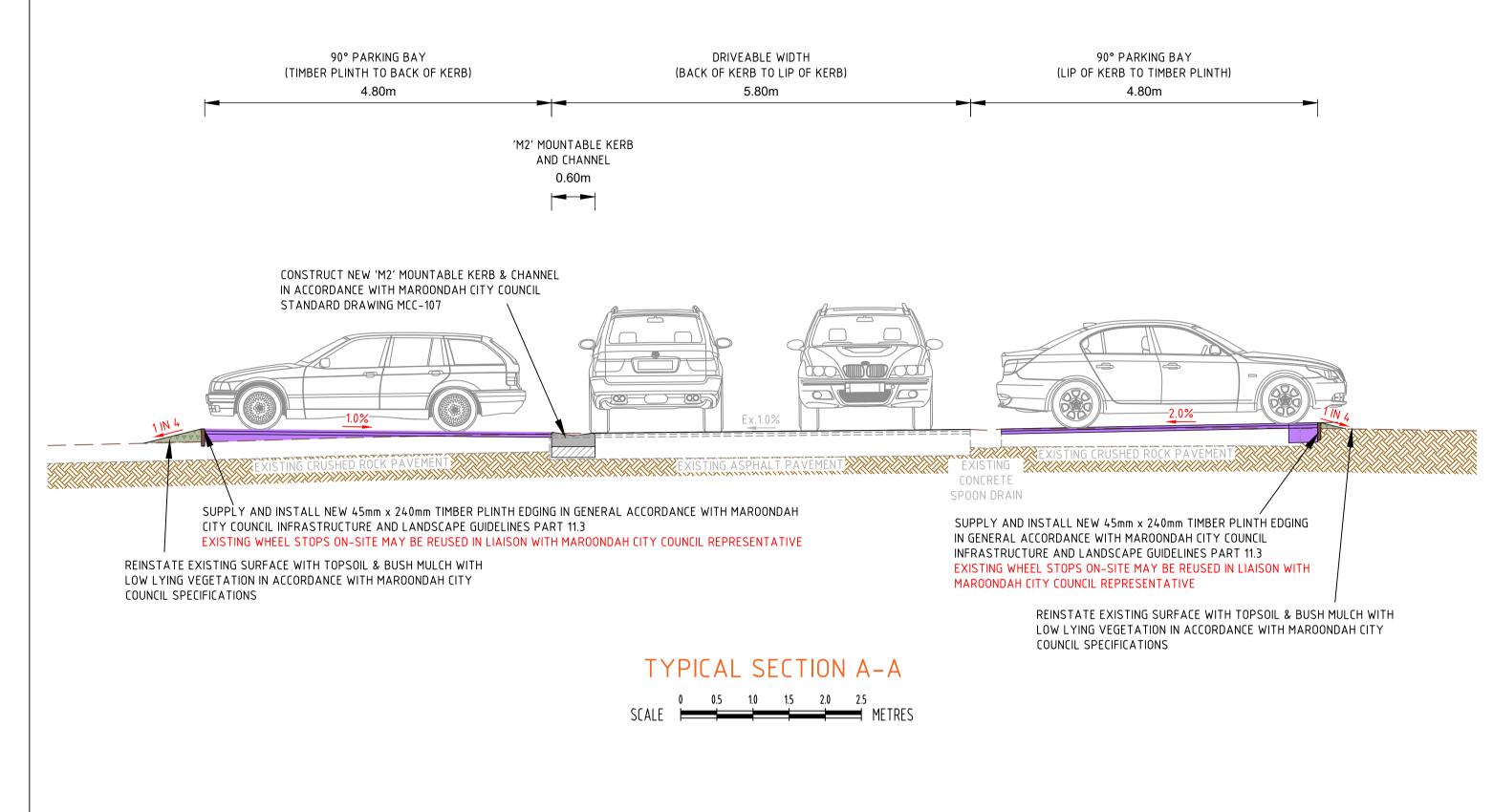


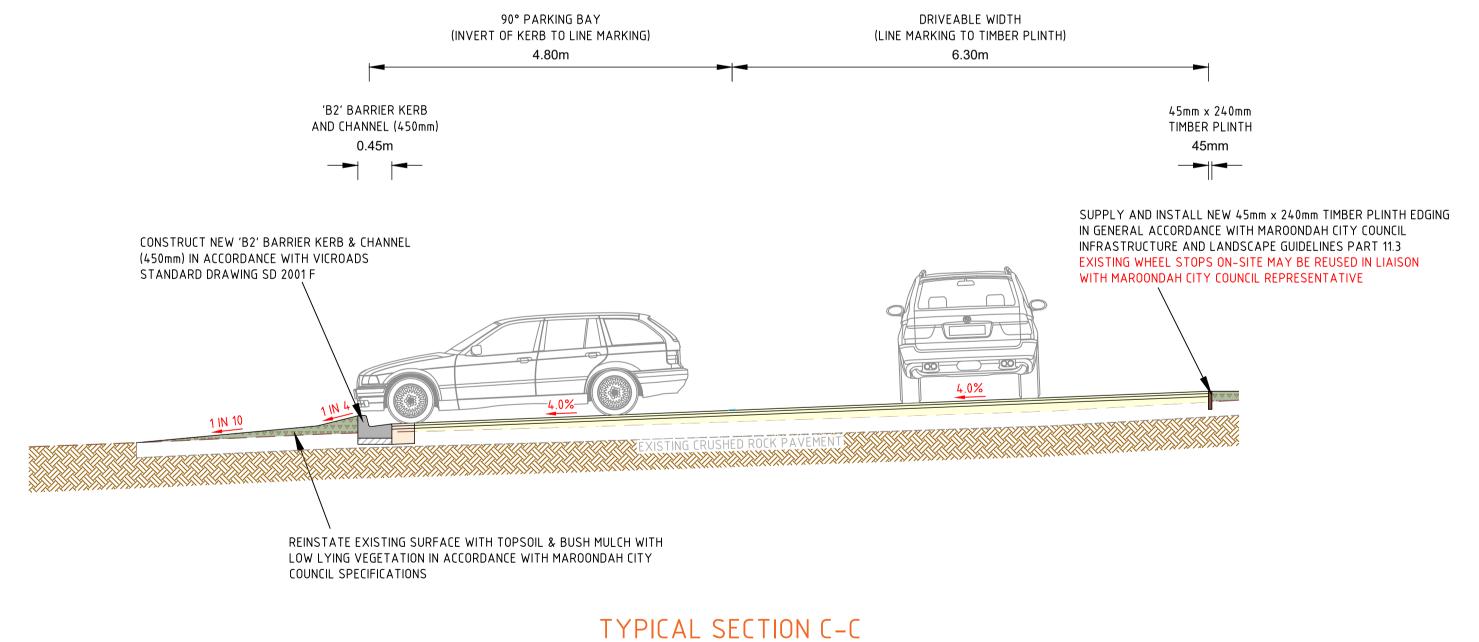
M2 0.479

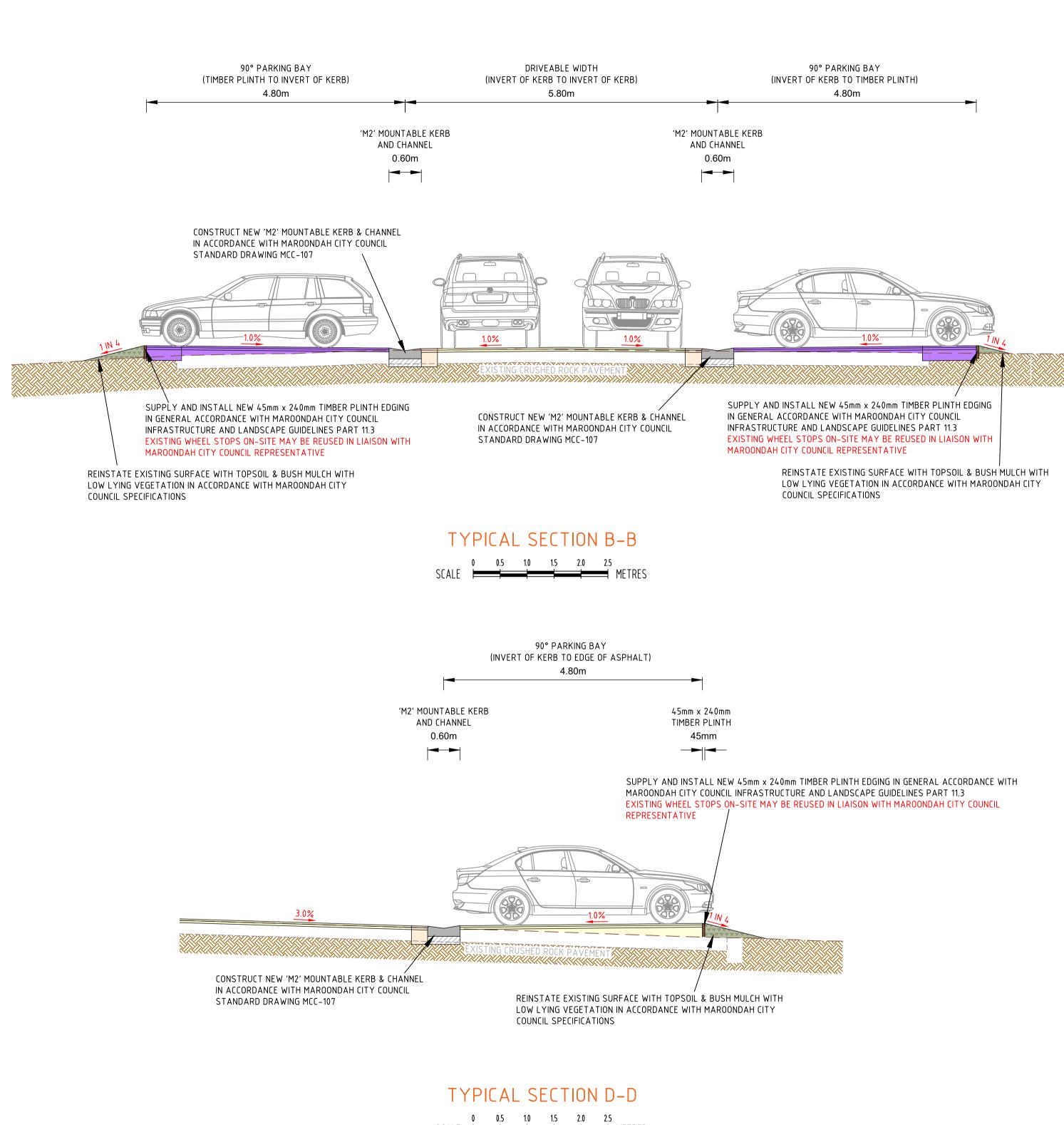
BRISBANE		JLAK F
ENGINEERING FORWARD THINKING		SITE ADDRESS
P 03 9815 7600 2 Domville Ave, Hawthorn VIC 3122		HEATH
fmgengineering.com.au P 1300 975 878 ABN 58 083 071 185		HEATH
ISO 9001 Quality Management System ISO 45001 OH&S Management System	SIGNATURI	DRAWING TITLE SURV
		•

		1
CLIENT	DESIGNED	DRAWN
MAROONDAH CITY COUNCIL	KC / EW	KC
PROJECT TITLE	CHECKED	No. OF SHEETS
CAR PARK UPGRADE WORKS	АН	25
	SCALE	DATE STARTED
SITE ADDRESS	-	01-03-2024
HEATHMONT RESERVE - 264 CANTERBURY ROAD	SITE ID & JOB No.	REV.
HEATHMONT, VIC, 3135	S67664-28	8753 l
ILEATHION, VIC, 3133	DRAWING No.	
DRAWING TITLE		
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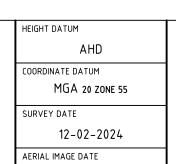


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1	FOR CONSTRUCTION	30-09-2024	ΕW		CONTRACTORS MUST SET OUT ALL WORK AND VERIFY ALL CONDITIONS, LEVELS AND
D	DETAILED DESIGN - ISSUED FOR REVIEW	13-09-2024	ΕW	IKI	DIMENSIONS ON SITE PRIOR TO COMMENCEMENT OF ANY WORK OR MAKING OF ANY SHOP DRAWINGS WHICH MUST BE SUBMITTED AND APPROVED PRIOR TO ANY MANUFACTURE.
C	DETAILED DESIGN - ISSUED FOR REVIEW	03-09-2024	ΕW	KC	ALL WORK MUST BE EXECUTED IN ACCORDANCE WITH THE RULES, REGULATIONS, BY
В	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	26-07-2024	ΕW	KC	LAWS AND REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION OVER ANY PART
Ā	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	28-03-2024	ΕW	KC	OF THE WORK.
REV	DESCRIPTION	DATE	INIT	APP	ELECTRONIC COPIES OF THIS DRAWING ARE NOT TO BE USED FOR DIMENSIONAL SETOUT.







10-11-2023



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ICAR PARK UPGRADE WORKS	AH		25
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	TE ID & JOB No.		REV.
HEATHMONT, VIC, 3135	S67664-288	3753 	
DRA	RAWING No.		
DRAWING TITLE	$C \cap 1 \cap$		\sim
TYPICAL SECTIONS A-A, B-B, C-C, AND D-D	$\cup \cup \cup $	_	\angle



WARNING

BEWARE UNDERGROUND SERVICES THE LOCATIONS OF SERVICES ARE
APPROXIMATE ONLY AND THEIR EXACT
POSITION SHOULD BE PROVEN ON SITE. NO
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SERVICES ARE SHOWN

90° DISABLED CAR PARKING BAY CONCRETE FOOTPATH (LINE MARKING TO TIMBER PLINTH) 45mm x 240mm TIMBER PLINTH 45mm SUPPLY AND INSTALL NEW 45mm x 240mm TIMBER PLINTH EDGING IN GENERAL ACCORDANCE WITH MAROONDAH CITY COUNCIL INFRASTRUCTURE AND LANDSCAPE GUIDELINES PART 11.3 SUPPLY AND INSTALL SEVENTEEN (17) NEW ROUND 'DOME TOP' EXISTING WHEEL STOPS ON-SITE MAY BE REUSED IN LIAISON TIMBER BOLLARDS IN ACCORDANCE WITH MAROONDAH CITY WITH MAROONDAH CITY COUNCIL REPRESENTATIVE COUNCIL INFRASTRUCTURE AND LANDSCAPE GUIDELINES PART 3.3 CONSTRUCT NEW DDA COMPLIANT 150mm THICK REINFORCED CONCRETE WALKWAY/FOOTPATH IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-401 AND AUSTRALIAN STANDARD AS1748.1:2021

TYPICAL SECTION E-E SCALE 0 0.5 1.0 1.5 2.0 2.5 METRES

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С	DETAILED DESIGN - ISSUED FOR REVIEW	03-09-2024	ΕW	KC	ALL WORK MUST BE EXECUTED IN ACCORDANCE WITH THE RULES, REGULATIONS, BY
В	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	26-07-2024	ΕW		LAWS AND REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION OVER ANY PART
A	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	28-03-2024	ΕW	KC	OF THE WORK.
REV	DESCRIPTION	DATE	INIT	APP	ELECTRONIC COPIES OF THIS DRAWING ARE NOT TO BE USED FOR DIMENSIONAL SETOUT.





	HEIGHT DATUM
	AHD
	COORDINATE DATUM
	MGA 20 ZONE 55
	SURVEY DATE
	12-02-2024
	AERIAL IMAGE DATE
	10-11-2023

5	/	>>>		YEARS	ADELAIDE MELBOURNE SYDNEY BRISBANE
• 03 9815 7600		ERING FOF Ave, Hawthorn		HINKING	
fmgengine	ering.con	n.au P13	500 975 87	78 ABN	58 083 071 185
SO 9001 Quali	ty Manager	ment System	ISO 45001	OH&S Mana	gement System

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AR PARK UPGRADE WORKS ADDRESS A THIMONE DESERVE 2004 SANTERRUDY DOAR	CHECKED	АН	No. OF SHEET DATE START 01-	25
ATHMONT RESERVE – 264 CANTERBURY ROAD ATHMONT, VIC, 3135	SITE ID & JOE S 6 7 (DRAWING No	564-288		REV.
YPICAL SECTIONS E-E	($\frac{1}{1}$	}	2



WARNING

BEWARE UNDERGROUND SERVICES

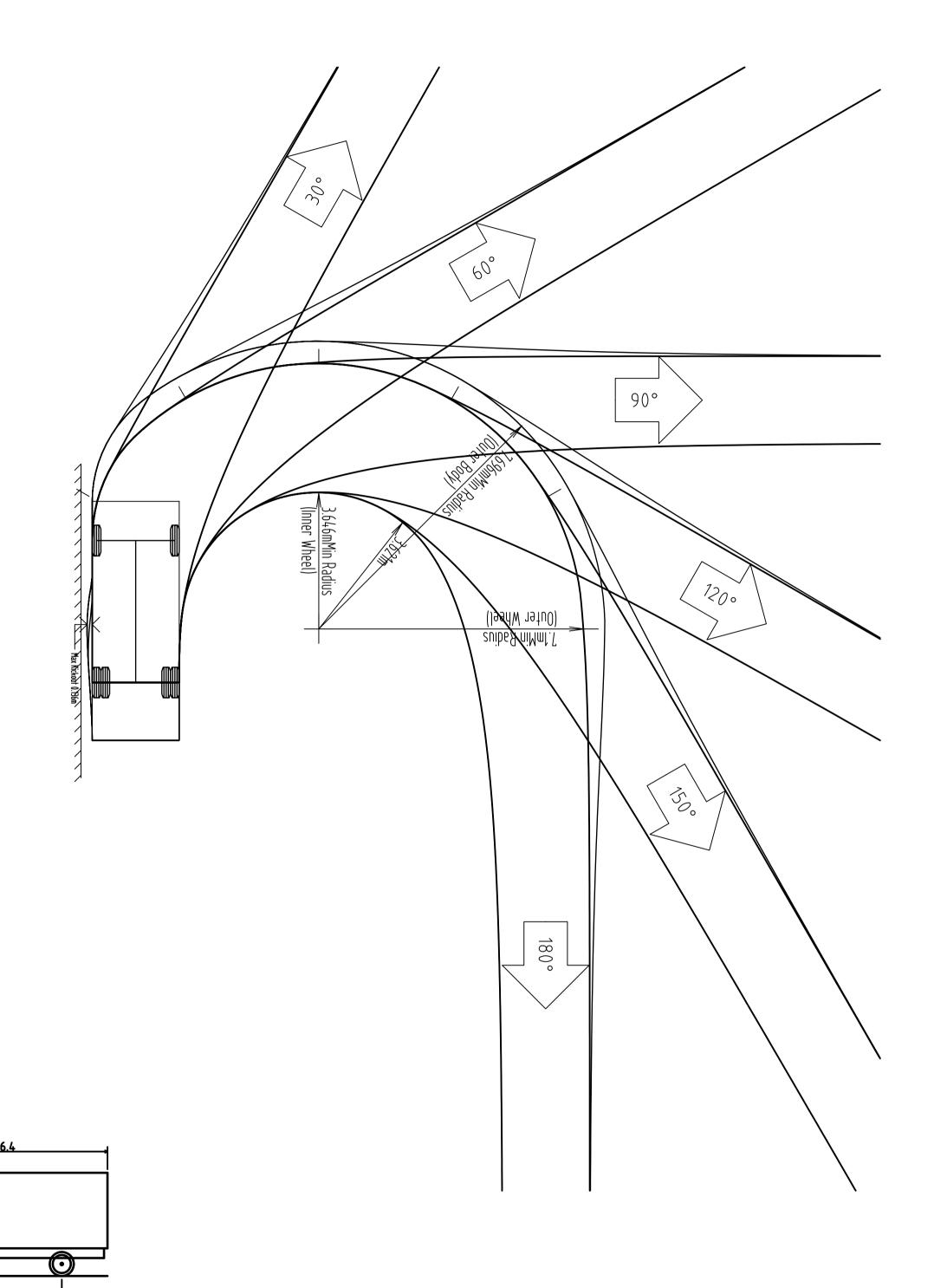
THE LOCATIONS OF SERVICES ARE

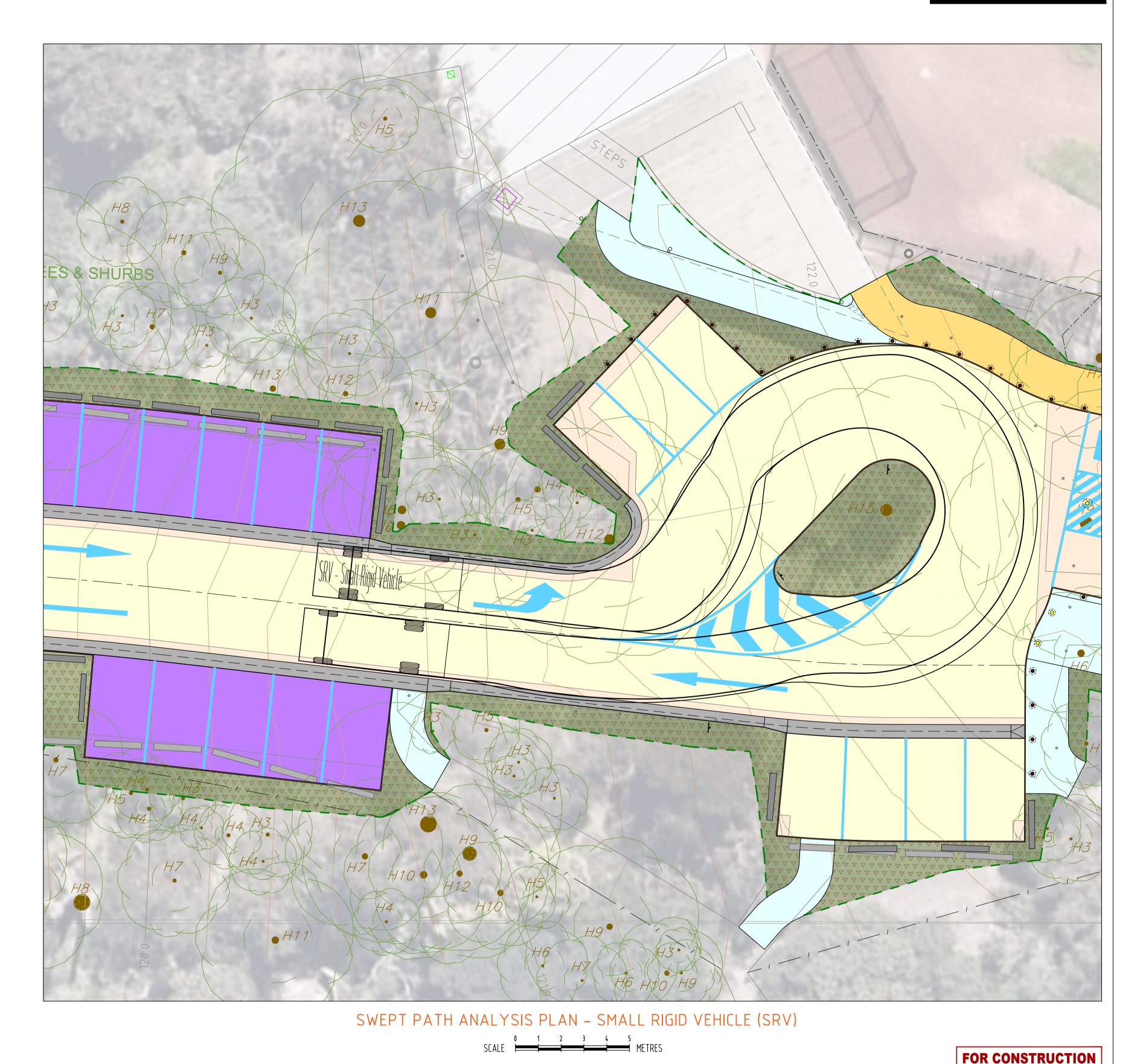
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SRV - Small Rigid Vehicle Overall Length Overall Width Overall Body Height Min Body Ground Clearance Track Width Lock-to-lock time Curb to Curb Turning Radius

DETAILED DESIGN - ISSUED FOR REVIEW

DETAILED DESIGN - ISSUED FOR REVIEW

FUNCTIONAL DESIGN - ISSUED FOR REVIEW

FUNCTIONAL DESIGN - ISSUED FOR REVIEW

DESCRIPTION

FOR CONSTRUCTION

FOR CONSTRUCTION

6.400m 2.330m 3.500m 0.398m 2.330m 4.00s 7.100m

DATE INIT APP ELECTRONIC COPIES OF THIS DRAWING ARE NOT TO BE USED FOR DIMENSIONAL SETOUT

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HEIGHT DATUM
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SURVEY DATE
12-02-2024
AERIAL IMAGE DATE

10-11-2023



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PROJECT TITLE CAR PARK UPGRADE WORKS	CHECKED A	No. OF SHEETS	25
SITE ADDRESS	SCALE 1:100@A	DATE STARTED 01-03-20	24
HEATHMONT RESERVE – 264 CANTERBURY ROAD HEATHMONT, VIC, 3135	SITE ID & JOB No. \$67664-21	88753 REV.	
DRAWING TITLE	DRAWING No.	7 7	
SWEPT PATH ANALYSIS PLAN – SMALL RIGID VEHICLE (SRV)		4	



WARNING

BEWARE UNDERGROUND SERVICES

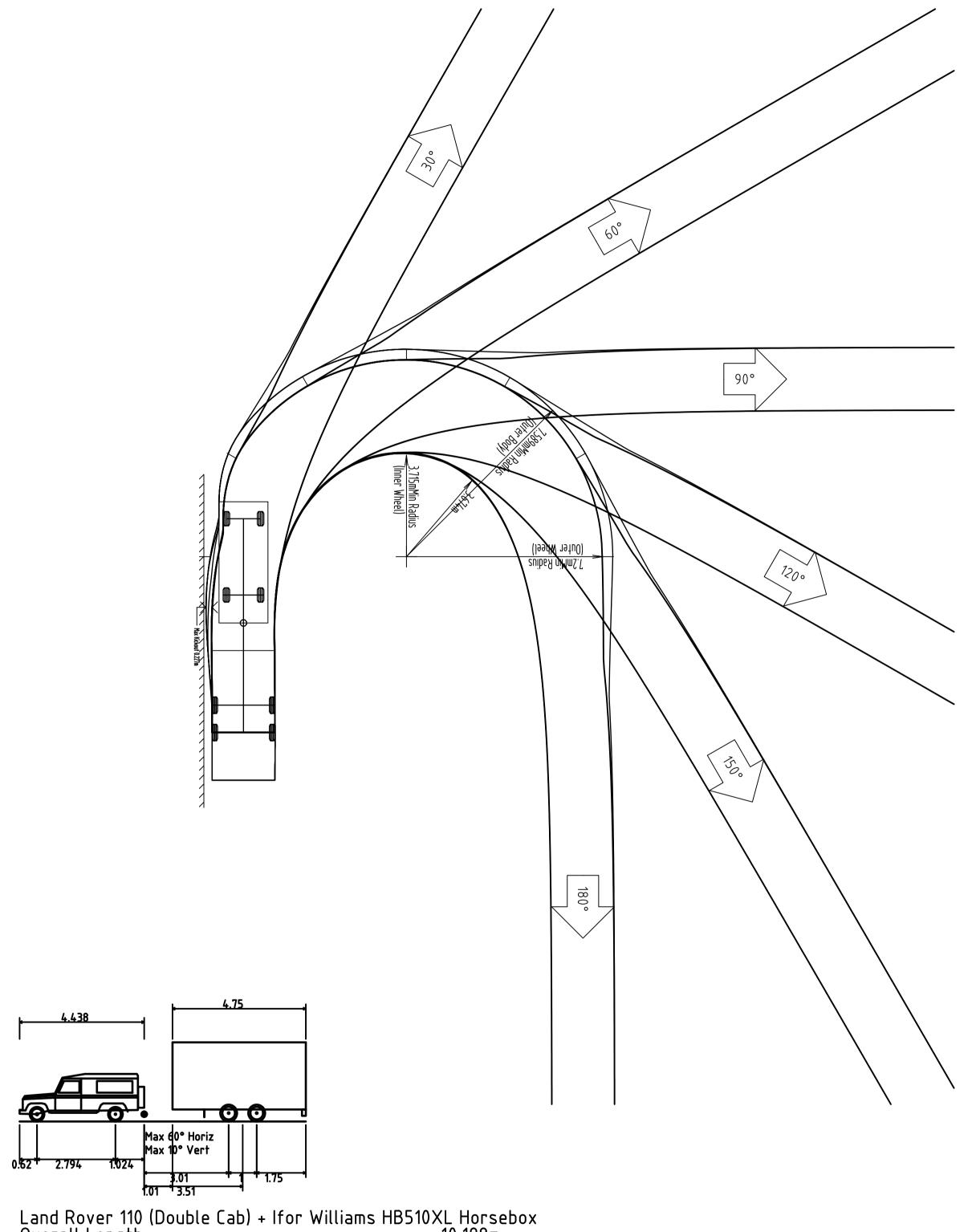
THE LOCATIONS OF SERVICES ARE

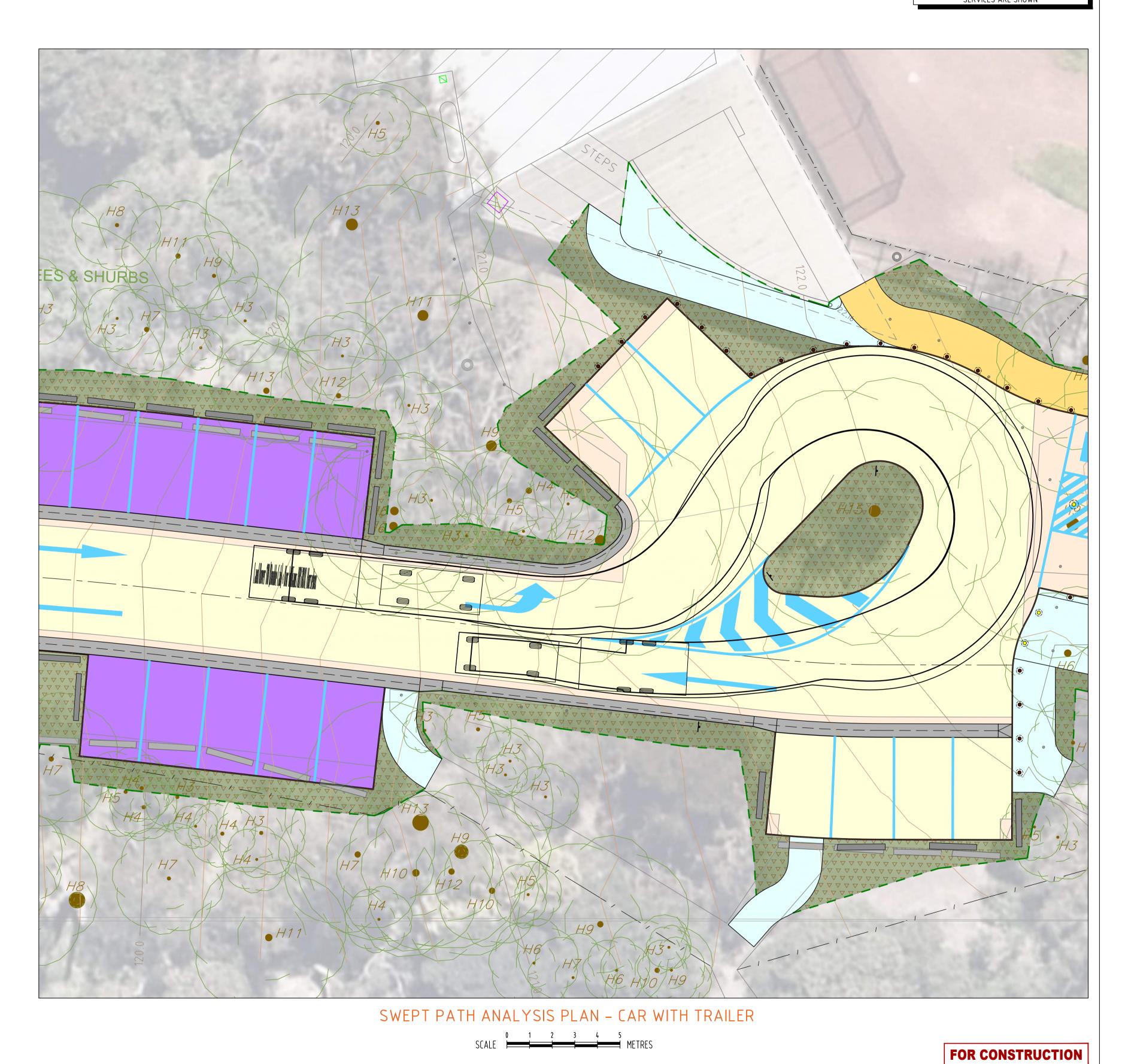
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Land Rover 110 (Double Cab) + Ifor Williams HB510XL Horsebox
Overall Length 10.198m
Overall Width 2.300m
Overall Body Height 2.820m
Min Body Ground Clearance 0.160m
Max Track Width 2.298m
Lock-to-lock time 4.00s
Curb to Curb Turning Radius 7.200m

FOR CONSTRUCTION

FOR CONSTRUCTION

DETAILED DESIGN - ISSUED FOR REVIEW

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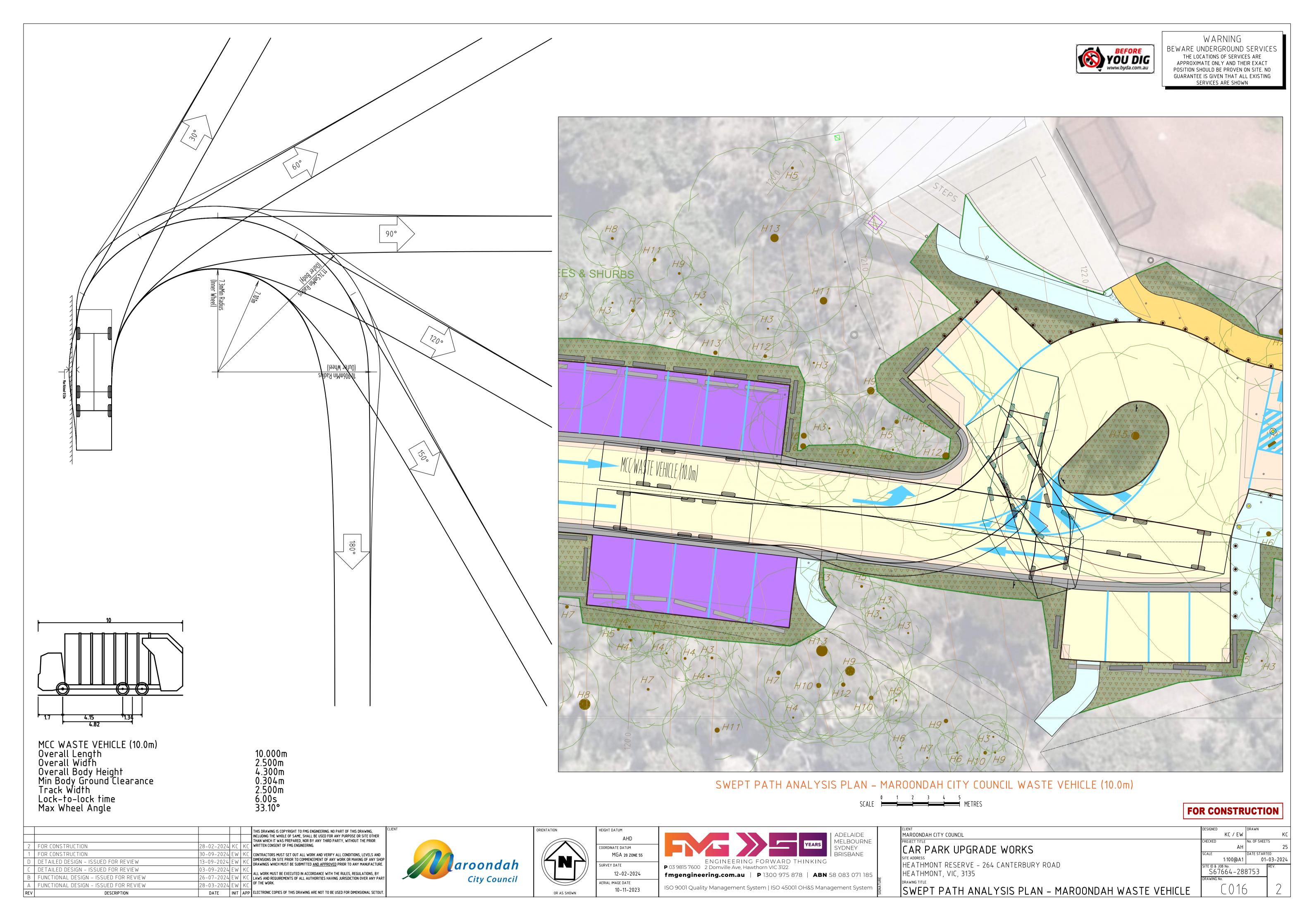


ATION	HEIGHT DATUM
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	SURVEY DATE
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	AERIAL IMAGE DATE
OP AS SHOWN	10-11-2023

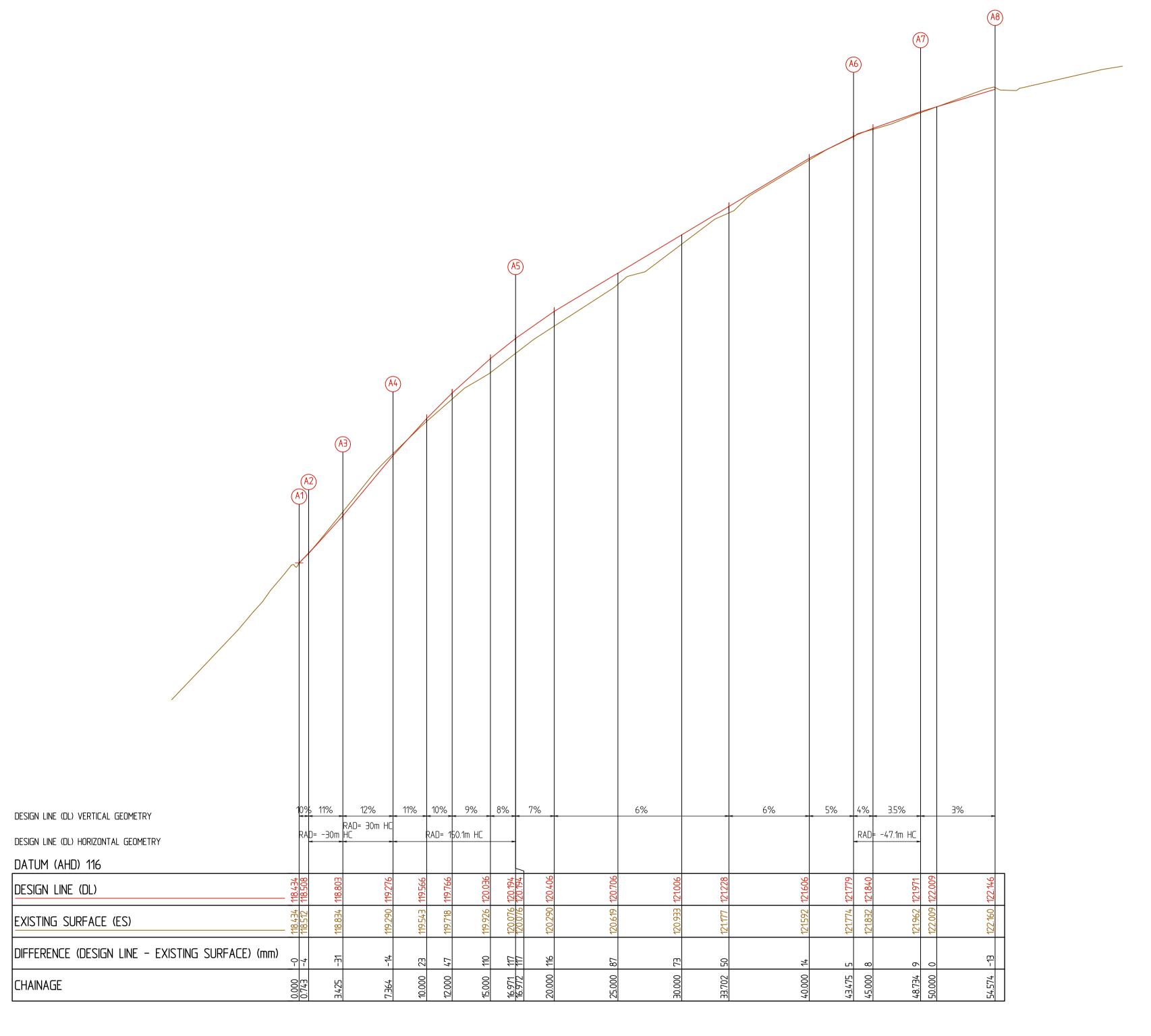
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SURVEY DATE
12-02-2024



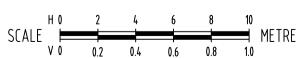
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MAROONDAH CITY COUNCIL	KC / EW	KC
PROJECT TITLE	CHECKED	No. OF SHEETS
CAR PARK UPGRADE WORKS	AH	25
	SCALE	DATE STARTED
SITE ADDRESS	1:100@A1	01-03-2024
HEATHMONT RESERVE - 264 CANTERBURY ROAD	SITE ID & JOB No.	REV.
HEATHMONT, VIC, 3135	S67664-28	8753
DRAWING TITLE	DRAWING No.	
	-	- I 🤈
SWEPT PATH ANALYSIS PLAN – CAR WITH TRAILER		
	•	-







LONGITUDINAL SECTION - CENTRELINE 'A' - (CL A)



FOR CONSTRUCTION

2	FOR CONSTRUCTION	28-02-2024	Kſ		THIS DRAWING, INCLUDING THE WHOLE OF SAME, SHALL BE USED FOR ANY PURPOSE OR SITE OTHER THAN WHICH IT WAS PREPARED, NOR BY ANY THIRD PARTY, WITHOUT THE PRIOR WRITTEN CONSENT OF FMG ENGINEERING.
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D	DETAILED DESIGN - ISSUED FOR REVIEW	13-09-2024	EW		DIMENSIONS ON SITE PRIOR TO COMMENCEMENT OF ANY WORK OR MAKING OF ANY SHOP DRAWINGS WHICH MUST BE SUBMITTED <u>AND APPROVED</u> PRIOR TO ANY MANUFACTURE.
C	DETAILED DESIGN - ISSUED FOR REVIEW	03-09-2024	EW	KC	ALL WORK MUST BE EXECUTED IN ACCORDANCE WITH THE RULES, REGULATIONS, BY
В	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	26-07-2024	EW	KC	LAWS AND REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION OVER ANY PART
А	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	28-03-2024	ΕW	KC	OF THE WORK.
REV	DESCRIPTION	DATE	INIT	APP	ELECTRONIC COPIES OF THIS DRAWING ARE NOT TO BE USED FOR DIMENSIONAL SETOUT.

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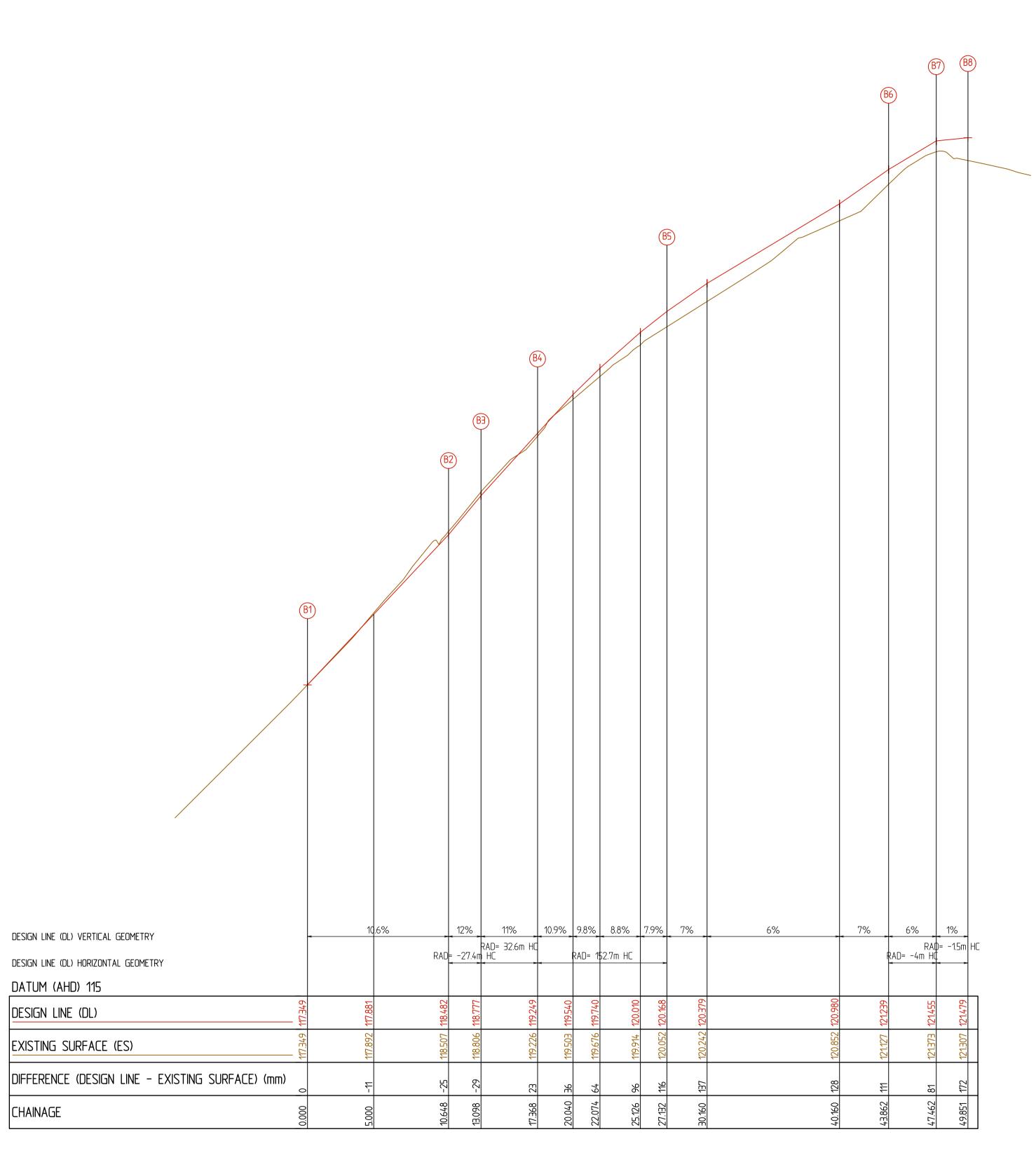
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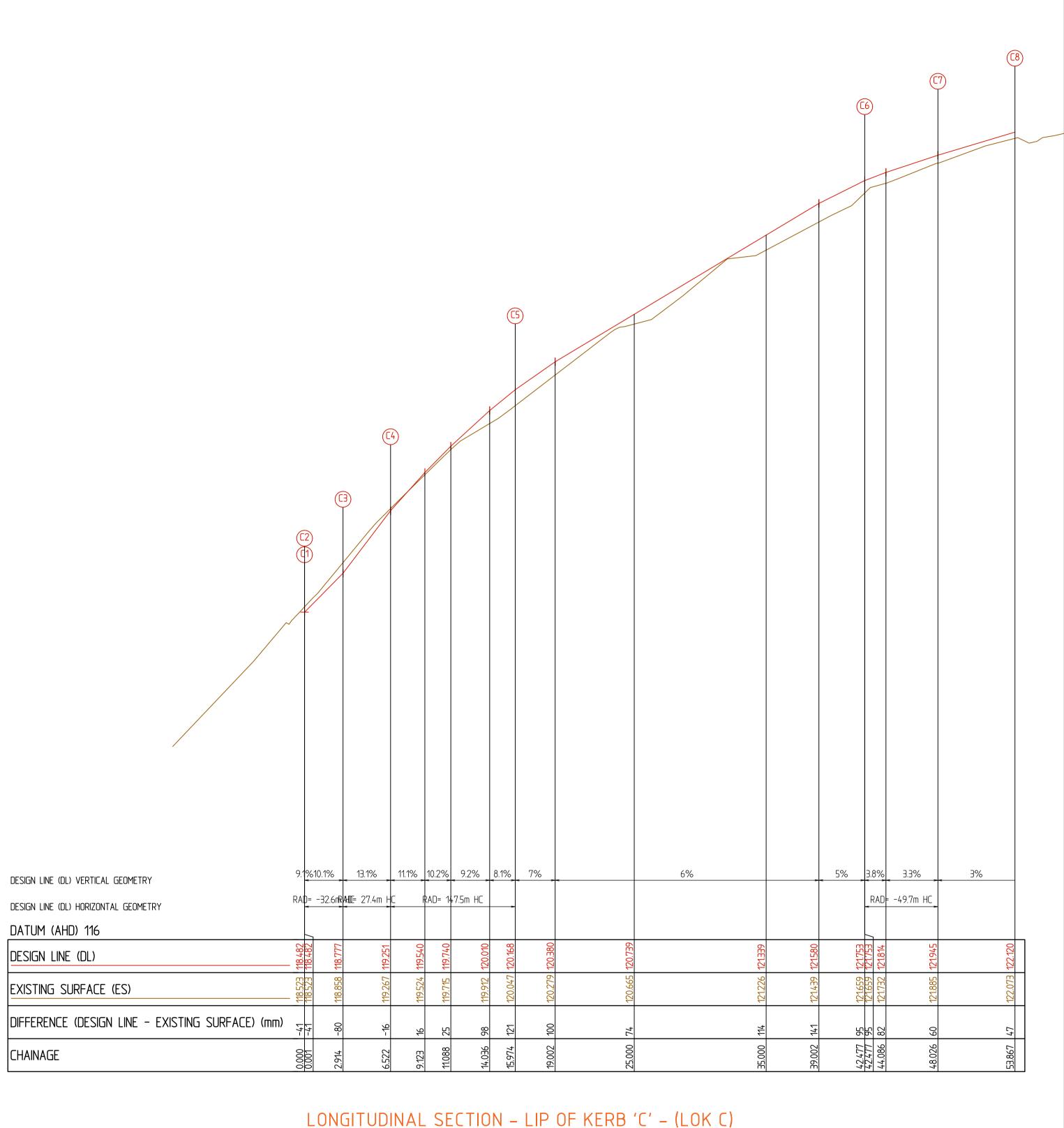
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MGA 20 ZONE 55
SURVEY DATE
12-02-2024
AERIAL IMAGE DATE
10-11-2023

YEARS	ADELAIDE MELBOURNE SYDNEY BRISBANE
ENGINEERING FORWARD THINKING P 03 9815 7600 2 Domville Ave, Hawthorn VIC 3122 fmgengineering.com.au P 1300 975 878 ABN 5	58 083 071 185
ISO 9001 Quality Management System ISO 45001 OH&S Mana	gement System

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SCALE N 0 2 4 6 8 10 METRES V 0 0.2 0.4 0.6 0.8 1.0

LONGITUDINAL SECTION - LIP OF KERB 'B' - (LOK B) SCALE N 0 2 4 6 8 10 METRES V 0 0.2 0.4 0.6 0.8 1.0

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DRAWINGS WHICH MUST BE SUBMITTED AND APPROVED PRIOR TO ANY MANUFACTURE. ALL WORK MUST BE EXECUTED IN ACCORDANCE WITH THE RULES, REGULATIONS, BY
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13-09-2024 EW K

03-09-2024 EW k

FOR CONSTRUCTION

FOR CONSTRUCTION

DETAILED DESIGN - ISSUED FOR REVIEW

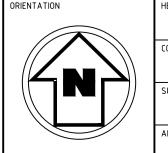
DETAILED DESIGN - ISSUED FOR REVIEW

FUNCTIONAL DESIGN - ISSUED FOR REVIEW

FUNCTIONAL DESIGN - ISSUED FOR REVIEW

DESCRIPTION







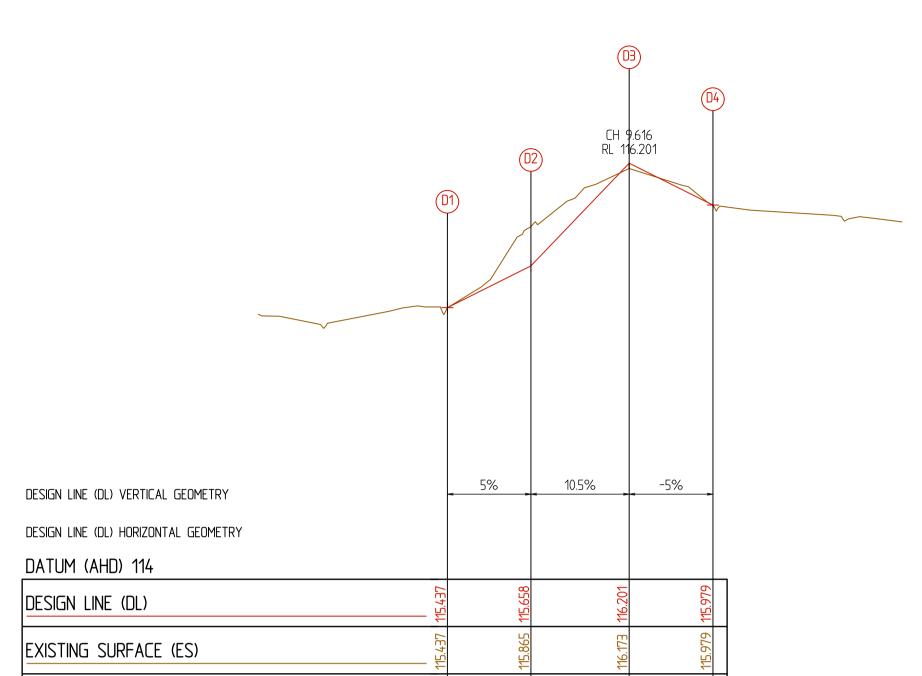
10-11-2023



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CLIENT	DESIGNED	DRAWN	
MAROONDAH CITY COUNCIL	KC / EW		KC
PROJECT TITLE	CHECKED	No. OF SHEETS	
CAR PARK UPGRADE WORKS	АН		25
	SCALE	DATE STARTE	D
SITE ADDRESS	H1:200/V1:20@A1	01-0	03-2024
HEATHMONT RESERVE - 264 CANTERBURY ROAD	SITE ID & JOB No.		REV.
HEATHMONT, VIC, 3135	S67664-28	8753	
DRAWING TITLE	DRAWING No.		
	$C \cap 1C$		γ
LONGITUDINAL SECTION – LIP OF KERB 'B' & 'C' (LOK B & LOK C)			

FOR CONSTRUCTION





LONGITUDINAL SECTION - EDGE OF ASPHALT 'D' - (EOA D) V 0 0.2 0.4 0.6 0.8 1.0

DIFFERENCE (DESIGN LINE - EXISTING SURFACE) (mm)

CHAINAGE

FOR CONSTRUCTION

FOR CONSTRUCTION

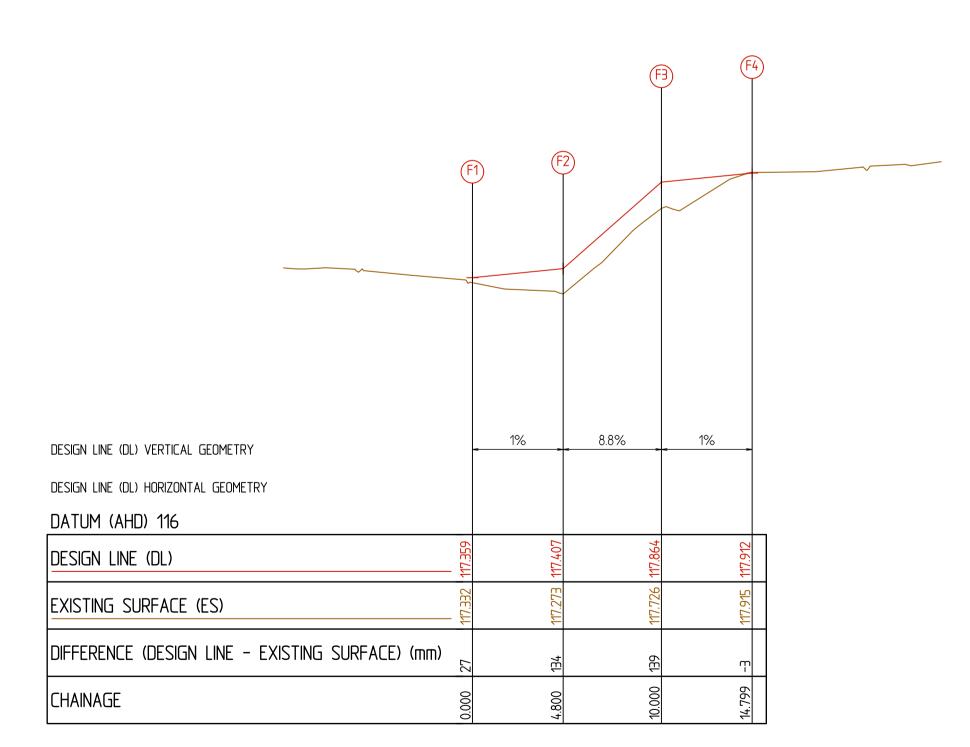
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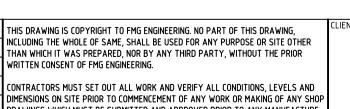
FUNCTIONAL DESIGN - ISSUED FOR REVIEW

FUNCTIONAL DESIGN - ISSUED FOR REVIEW

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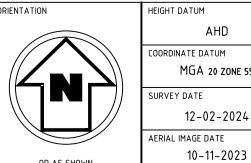


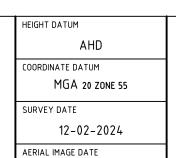
LONGITUDINAL SECTION - EDGE OF ASPHALT 'F' - (EOA F)



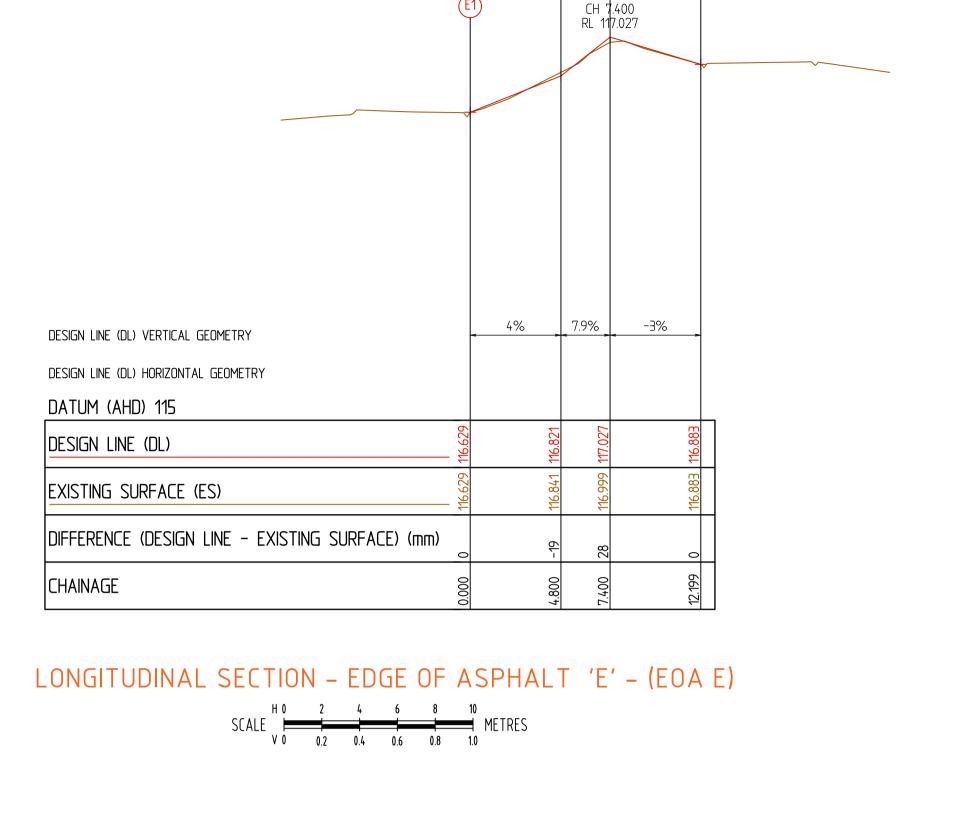
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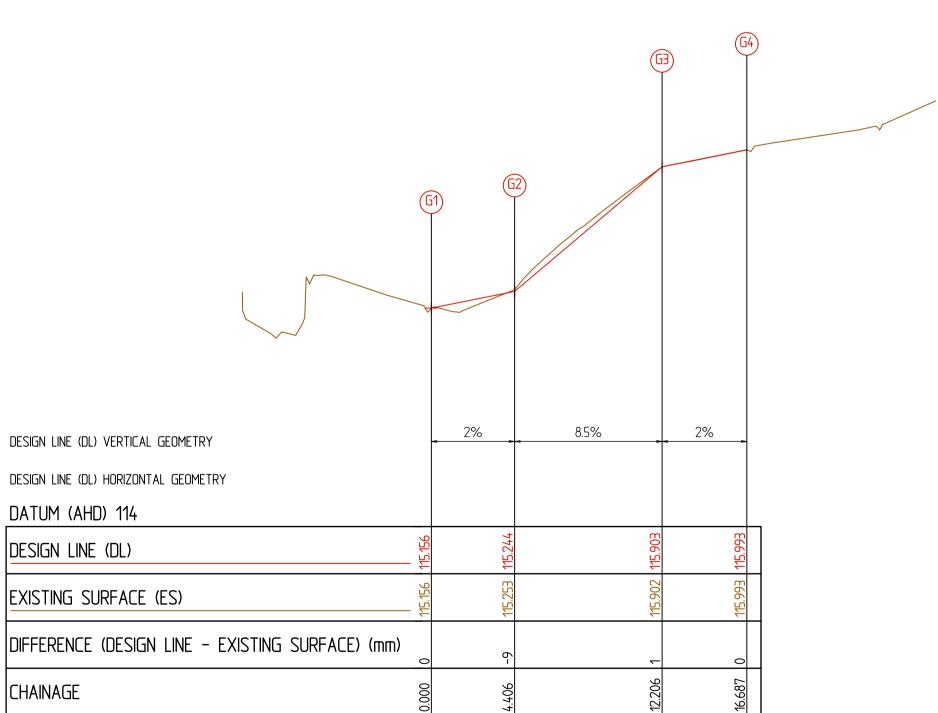








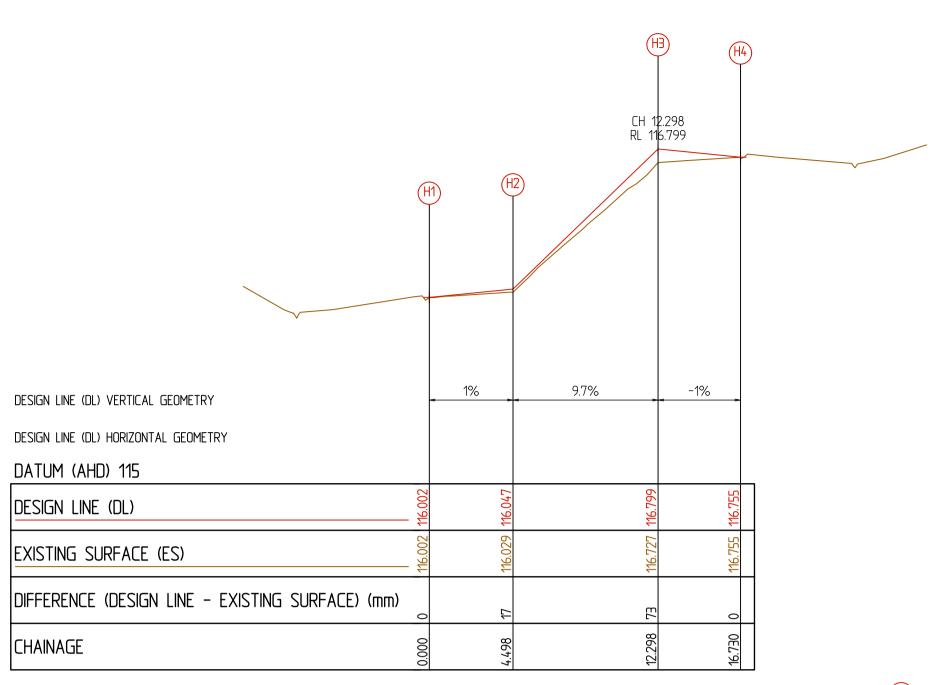


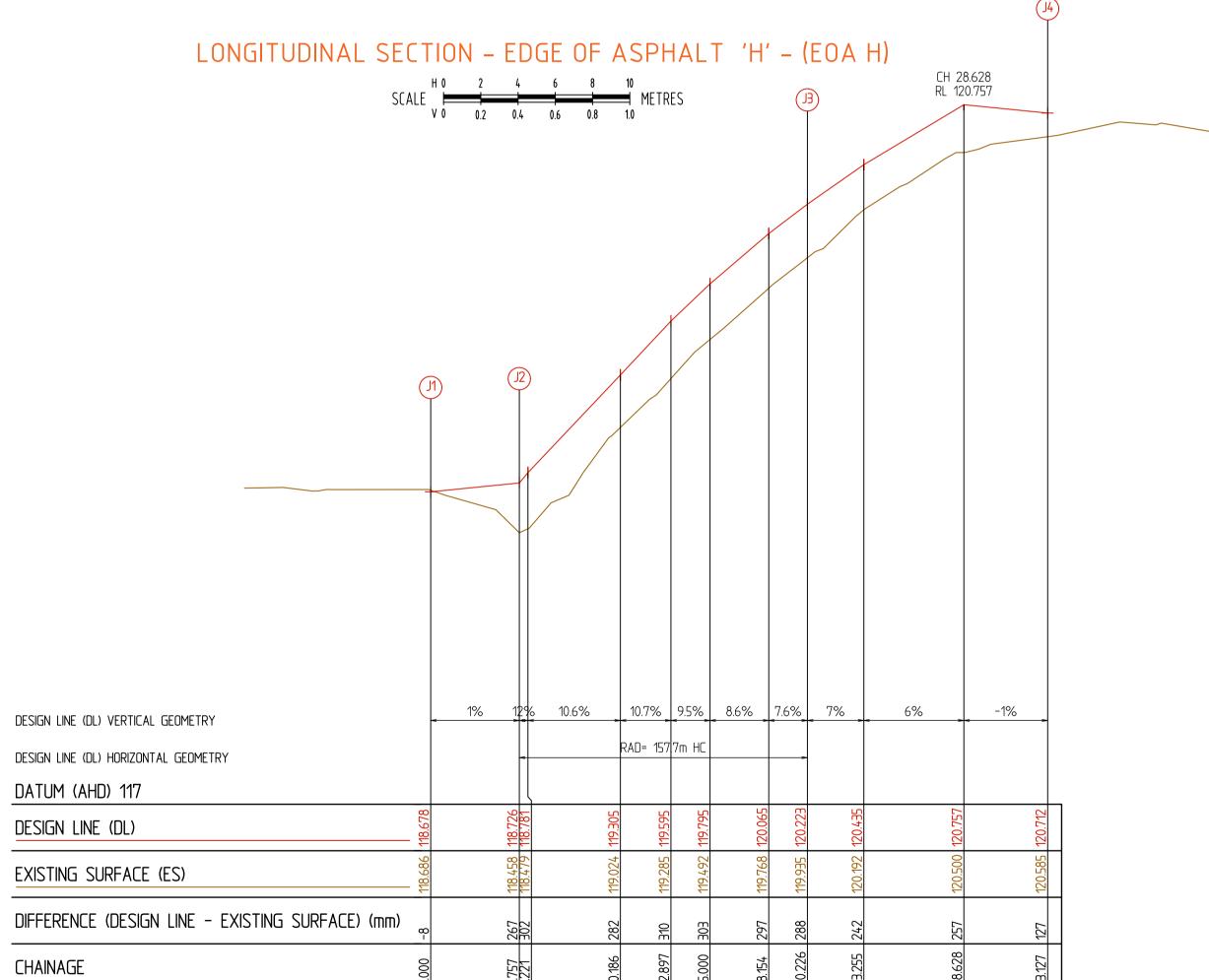


LONGITUDINAL SECTION - EDGE OF ASPHALT 'G' - (EOA G)

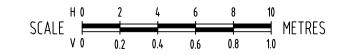
SCALE NO 2 4 6 8 10 METRES V 0 0.2 0.4 0.6 0.8 1.0 FOR CONSTRUCTION KC / EW MAROONDAH CITY COUNCIL No. OF SHEETS CAR PARK UPGRADE WORKS AH H1:200/V1:20@A1 01-03-2024 HEATHMONT RESERVE - 264 CANTERBURY ROAD SITE ID & JOB No. S67664-288753 HEATHMONT, VIC, 3135

LONGITUDINAL SECTION - EDGE OF ASPHALT 'D', 'E', 'F' & 'G' (LOK D, E, F & G)



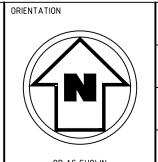


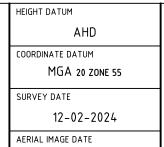
LONGITUDINAL SECTION - EDGE OF ASPHALT 'J' - (EOA J)



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1	FOR CONSTRUCTION	30-09-2024	ΕW		CONTRACTORS MUST SET OUT ALL WORK AND VERIFY ALL CONDITIONS, LEVELS AND
D	DETAILED DESIGN - ISSUED FOR REVIEW	13-09-2024	ΕW	IKII	DIMENSIONS ON SITE PRIOR TO COMMENCEMENT OF ANY WORK OR MAKING OF ANY SHOP DRAWINGS WHICH MUST BE SUBMITTED AND APPROVED PRIOR TO ANY MANUFACTURE.
С	DETAILED DESIGN - ISSUED FOR REVIEW	03-09-2024	EW	KC	
В	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	26-07-2024	ΕW		ALL WORK MUST BE EXECUTED IN ACCORDANCE WITH THE RULES, REGULATIONS, BY LAWS AND REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION OVER ANY PART
А	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	28-03-2024	EW	KC	OF THE WORK.
RFV	DESCRIPTION	DATE	INIT	ΔРР	ELECTRONIC COPIES OF THIS DRAWING ARE NOT TO BE USED FOR DIMENSIONAL SETOUT.







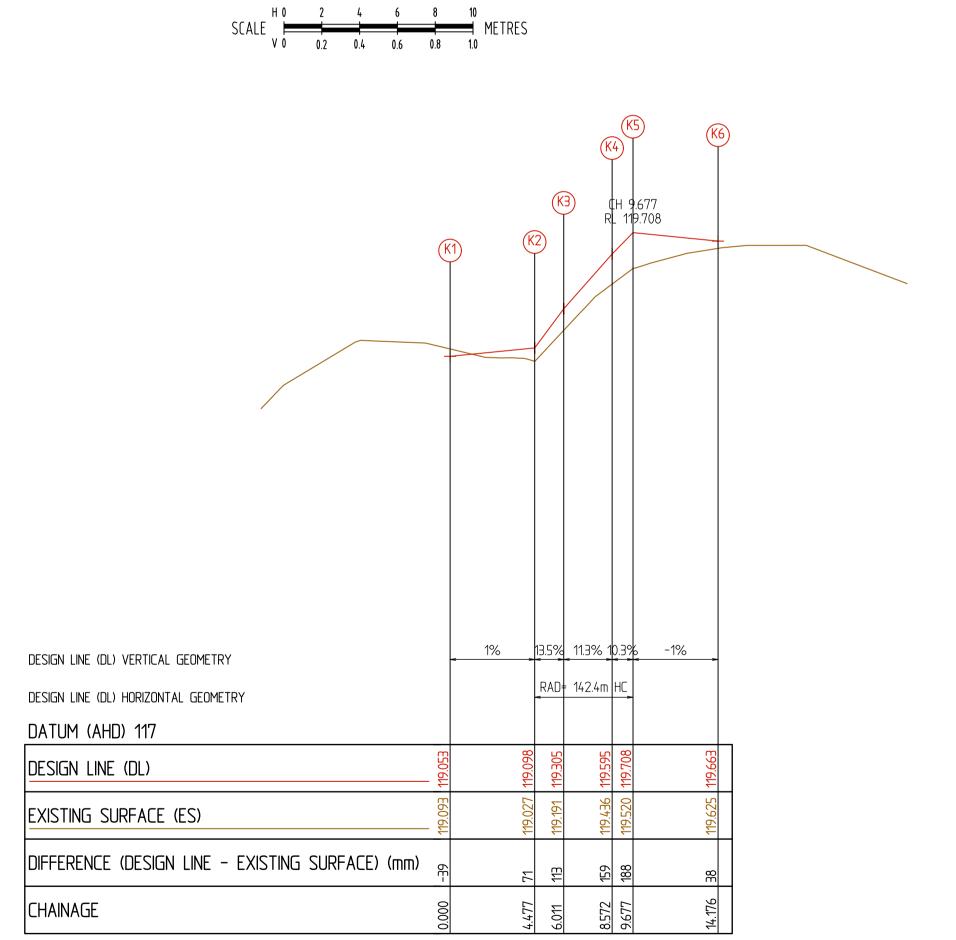
10-11-2023



CLIENT	DESIGNED	DRAWN	
MAROONDAH CITY COUNCIL	KC / EW		K
PROJECT TITLE	CHECKED	No. OF SHEET	S
CAR PARK UPGRADE WORKS	AH		2
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SITE ADDRESS	H1:200/V1:20@A1	01-	03-202
HEATHMONT RESERVE - 264 CANTERBURY ROAD	SITE ID & JOB No.		REV.
HEATHMONT, VIC, 3135	S67664-28	8753	
DRAWING TITLE	DRAWING No.		
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LONGITUDINAL SECTION – EDGE OF ASPHALT 'H', 'I', 'J' & 'K' (LOK H, I, J & K)		J	_

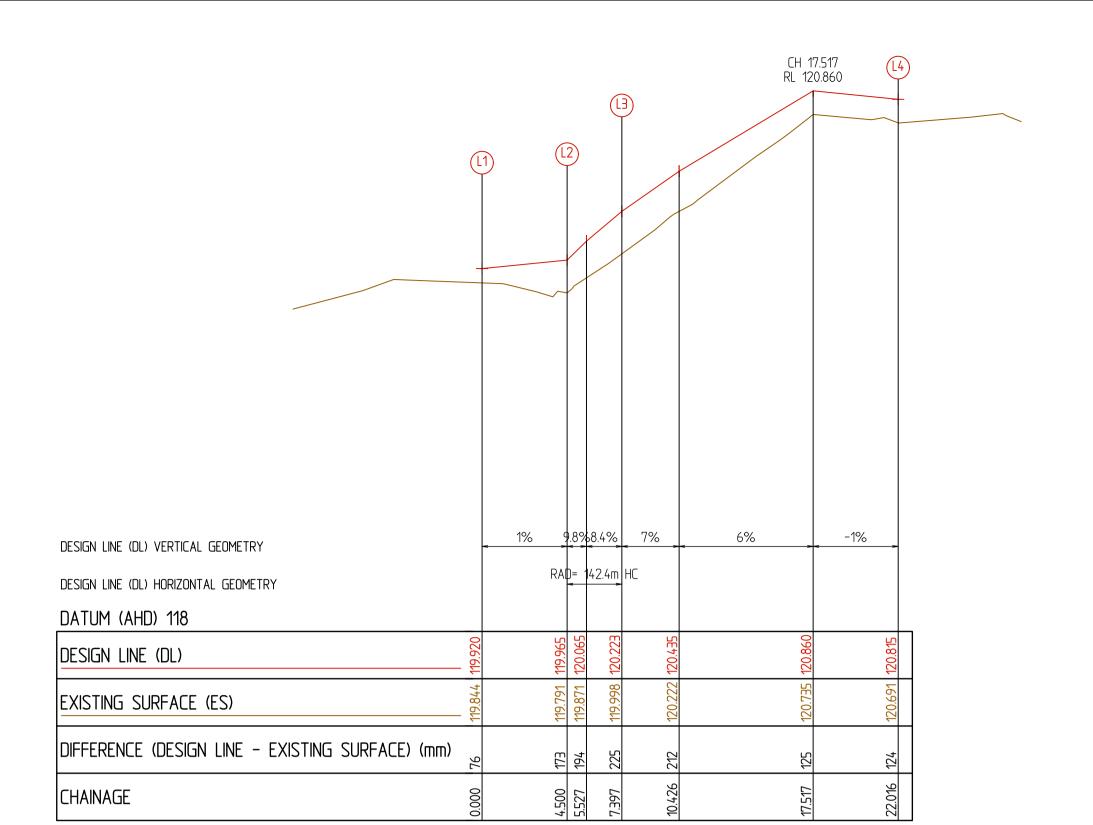
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LONGITUDINAL SECTION - EDGE OF ASPHALT 'I' - (EOA I)

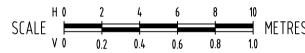


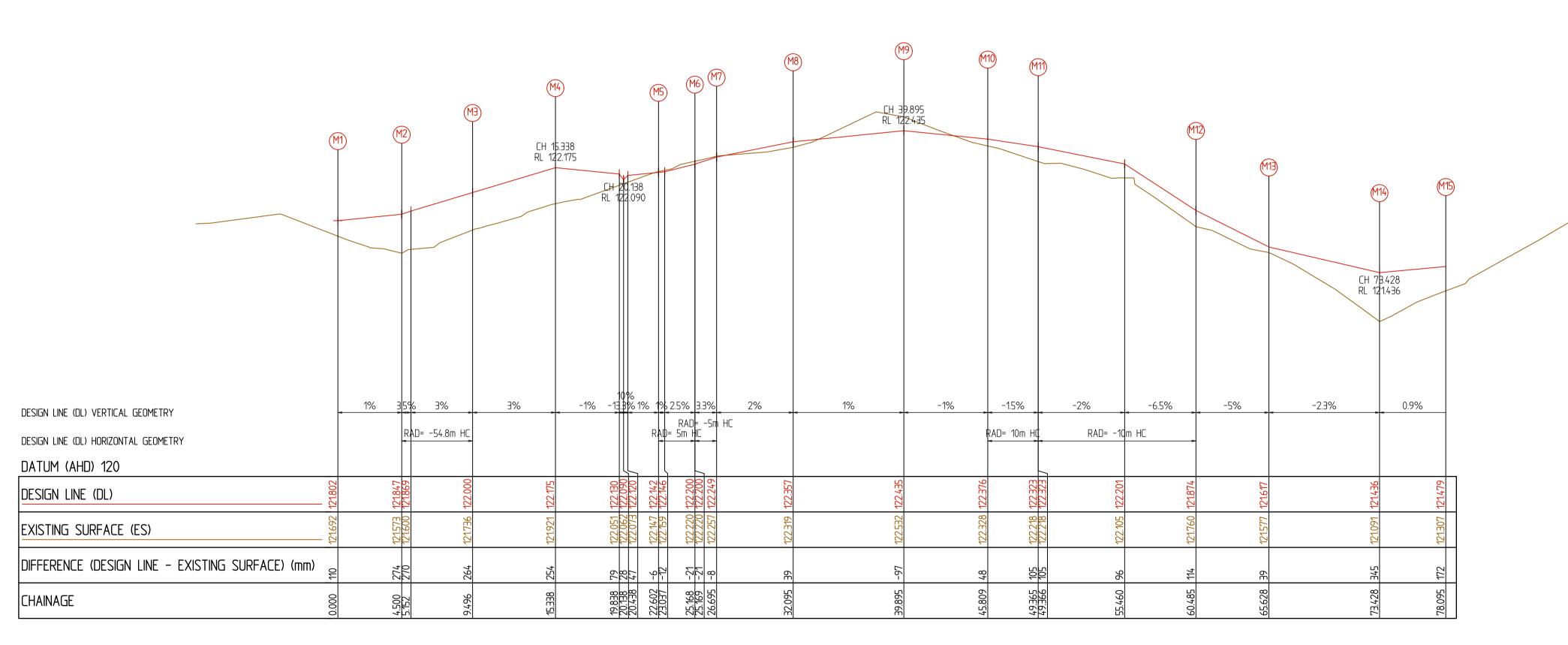
LONGITUDINAL SECTION - EDGE OF ASPHALT 'K' - (EOA K)

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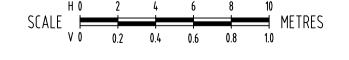


LONGITUDINAL SECTION - EDGE OF ASPHALT 'L' - (EOA L)





LONGITUDINAL SECTION - EDGE OF ASPHALT 'M' - (EOA M)



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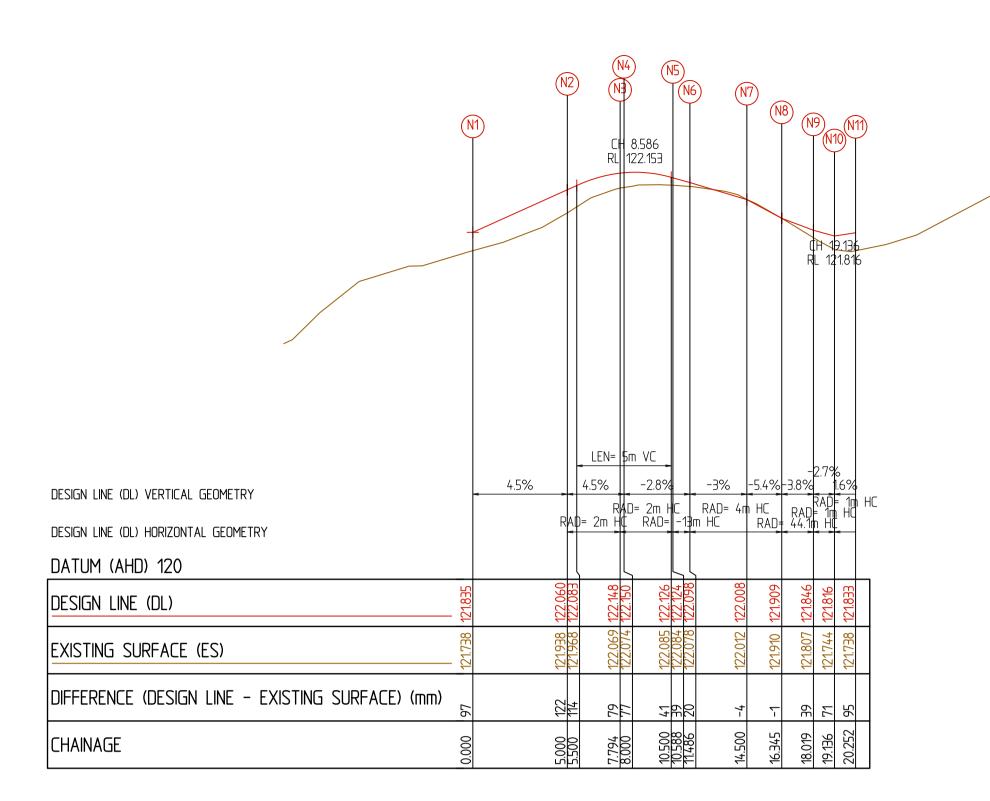
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	SURVEY DATE
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	AERIAL IMAGE DATE
/N	10-11-2023
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YEARS	MELBOURNE SYDNEY BRISBANE
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fmgengineering.com.au P 1300 975 878 ABN 5	58 083 071 185
ISO 9001 Quality Management System ISO 45001 OH&S Mana	gement System

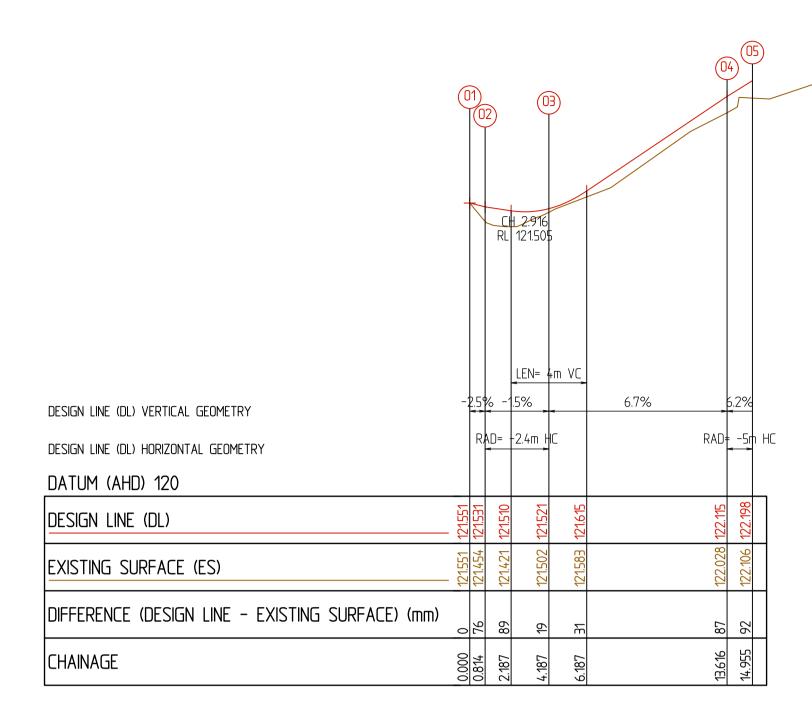
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MAROONDAH CITY COUNCIL	KC / EW	KC
PROJECT TITLE	CHECKED	No. OF SHEETS
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	SCALE	DATE STARTED
SITE ADDRESS	H1:200/V1:20@A1	01-03-2024
HEATHMONT RESERVE - 264 CANTERBURY ROAD	SITE ID & JOB No.	REV.
HEATHMONT, VIC. 3135	S67664-28	8753
DRAWING TITLE	DRAWING No.	
	$I C \cap \mathcal{D}$	1 I)
LONGITUDINAL SECTION		





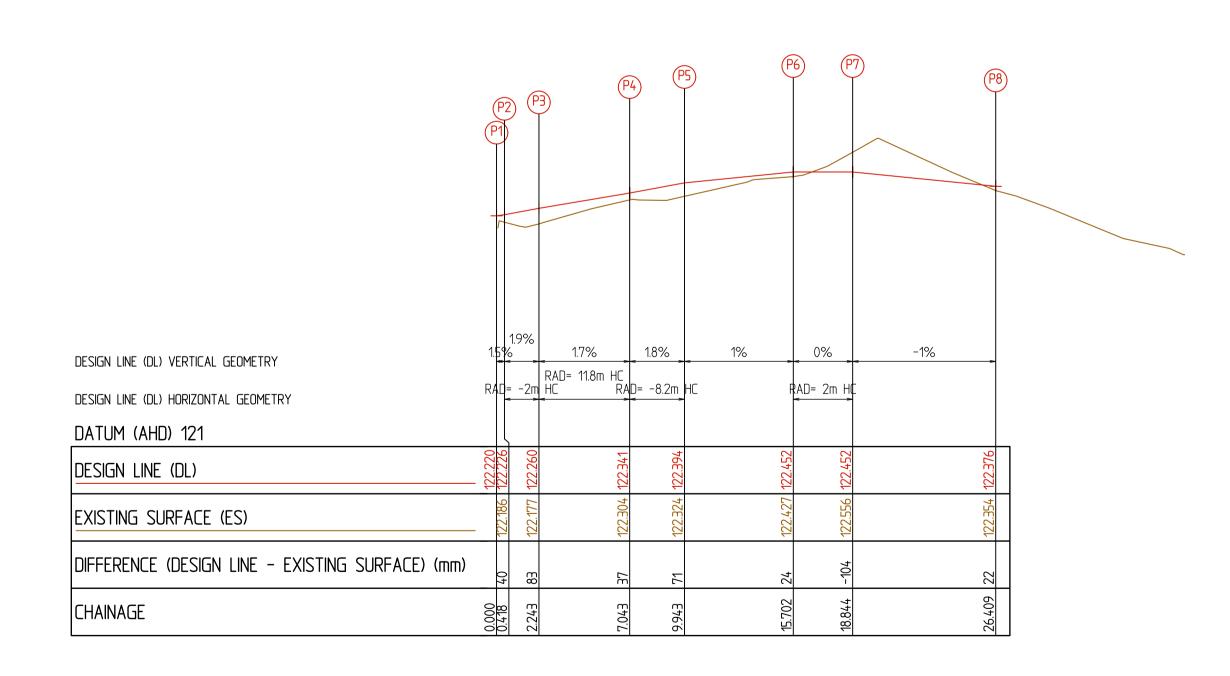
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SCALE HO 2 4 6 8 10 METRES

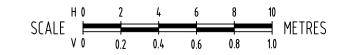


LONGITUDINAL SECTION – FRONT OF FOOTPATH 'O' – (FOFP O)

SCALE HO 2 4 6 8 10 METRES



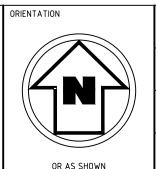
LONGITUDINAL SECTION - BACK OF FOOTPATH 'P' - (BOFP P)



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CLIENT MAROONDAH CITY COUNCIL	DESIGNED KC / EW	DRAWN
CAR PARK UPGRADE WORKS SITE ADDRESS	АН	No. OF SHEETS 25 DATE STARTED 01-03-2024
HEATHMONT RESERVE – 264 CANTERBURY ROAD HEATHMONT, VIC, 3135 DRAWING TITLE	SITE ID & JOB No. \$67664-281 DRAWING No.	8753 REV.
LONGITUDINAL SECTION – EOA N, FOFP O, & BOFP P		2 2

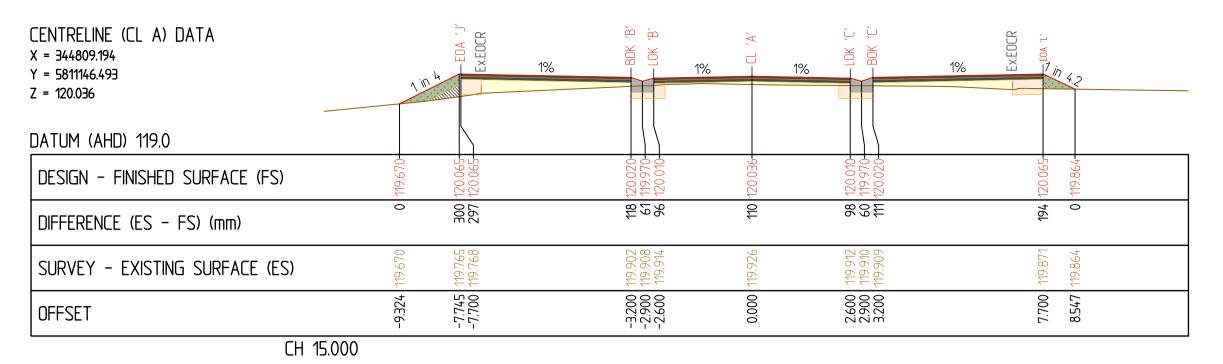
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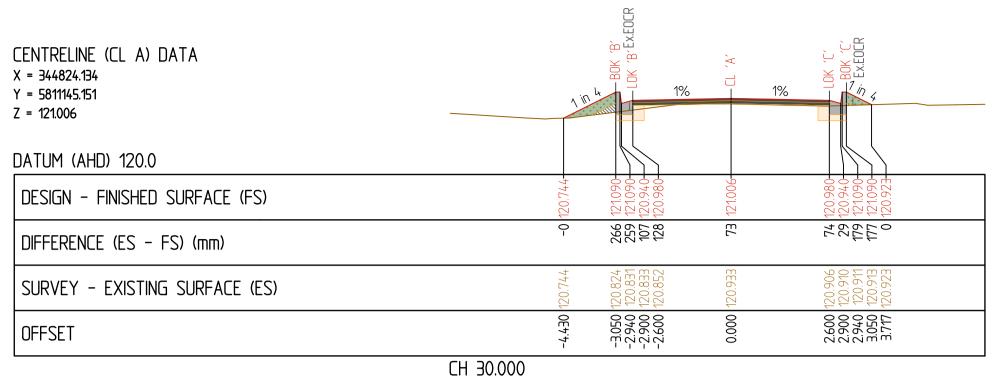
CODE	REFERENCE				
LOK	LIP OF KERB				
BOK	BACK OF KERB				
CL	CENTRELINE				
EOA	EDGE OF ASPHALT				

EXISTING EDGE OF CRUSHED ROCK

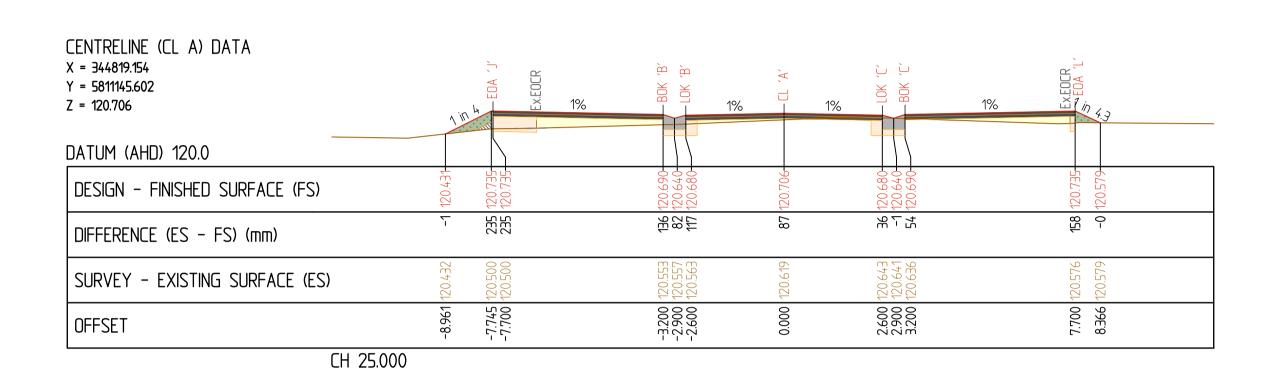
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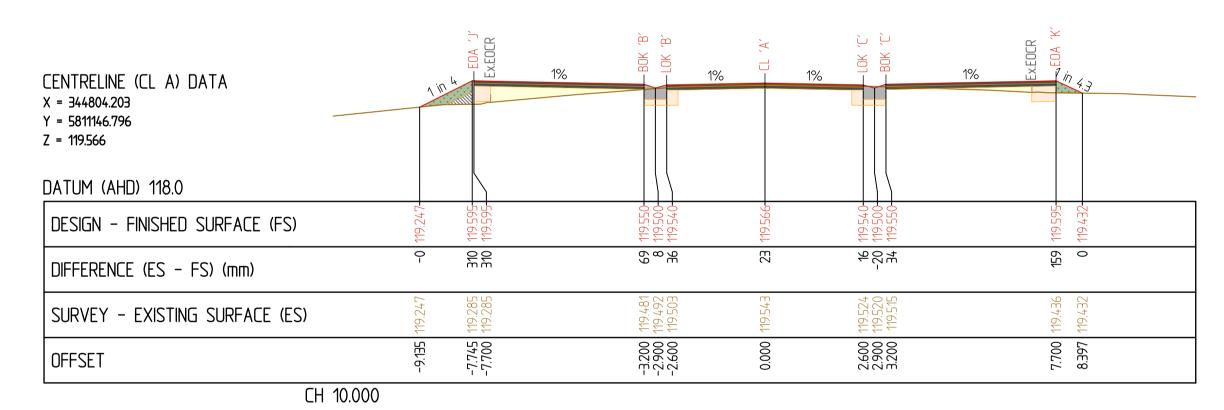
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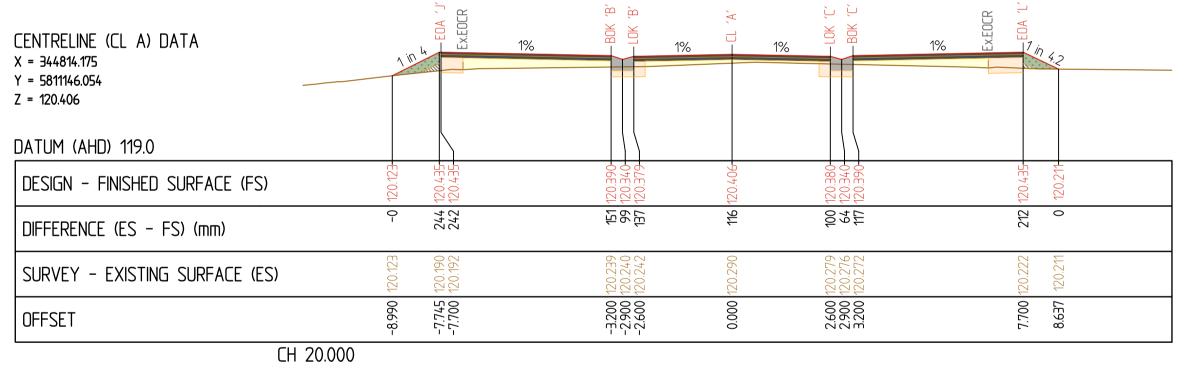


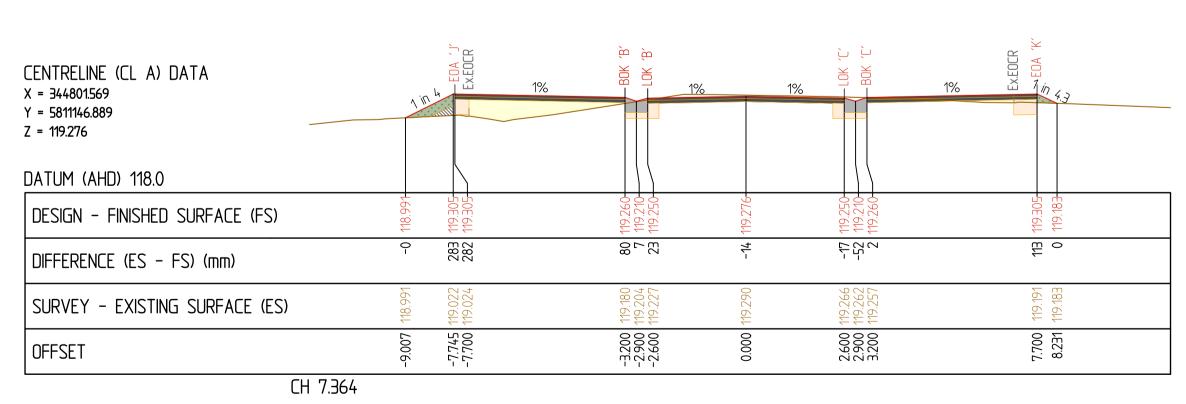


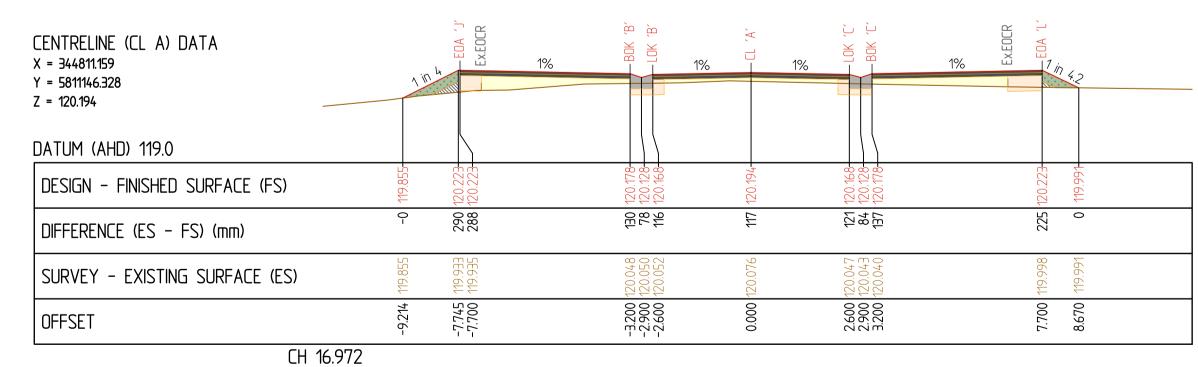
CENTRELINE (CL A) DATA X = 344806.201Y = 5811146.695 Z = 119.766DATUM (AHD) 119.0 DESIGN - FINISHED SURFACE (FS) 305 8£3 25,72 DIFFERENCE (ES - FS) (mm) SURVEY - EXISTING SURFACE (ES) -3.200 -2.900 -2.600 2.600 2.900 3.200 3.377 OFFSET CH 12.000



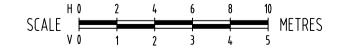








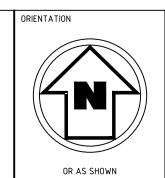
CROSS SECTIONS - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'A' - (CL A)



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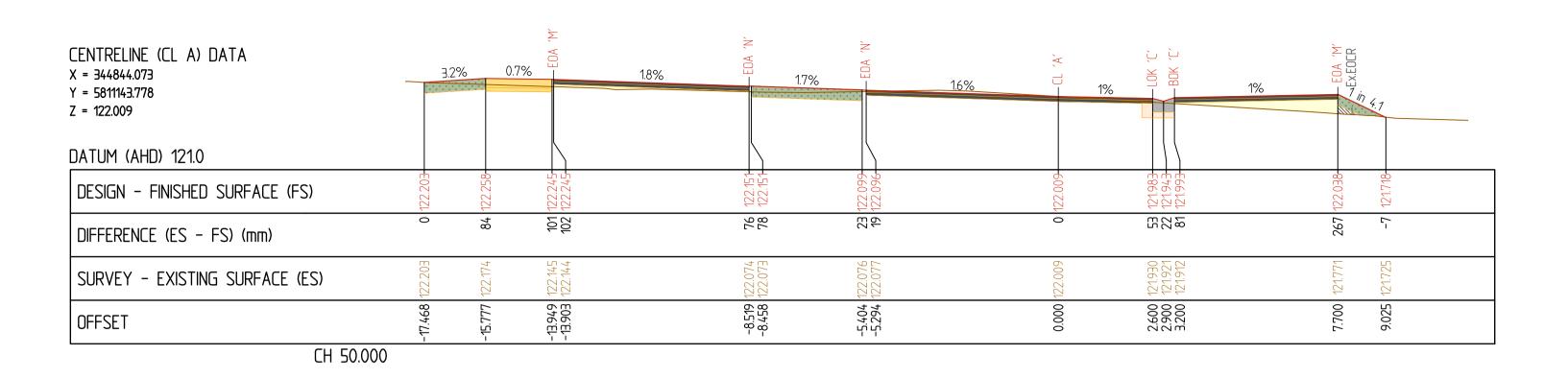
CLIENT	DESIGNED	DRAWN	
MAROONDAH CITY COUNCIL	KC / EW		KC
PROJECT TITLE	CHECKED	No. OF SHEETS	
ICAR PARK UPGRADE WORKS	AH		25
		DATE STARTED	
SITE ADDRESS	H1:200/V1:100@A1	01-03-	-2024
HEATHMONT RESERVE - 264 CANTERBURY ROAD	SITE ID & JOB No.	REV.	
HEATHMONT, VIC, 3135	S67664-28	8753	
DRAWING TITLE	DRAWING No.		
CDOCC CECTIONS CENTRELINE 'A' CH 7 26/ A CH 20 000 A	Γ	\exists \blacksquare	γ
CROSS SECTIONS - CENTRELINE 'A' - CH 7.364 A - CH 30.000 A)	\angle

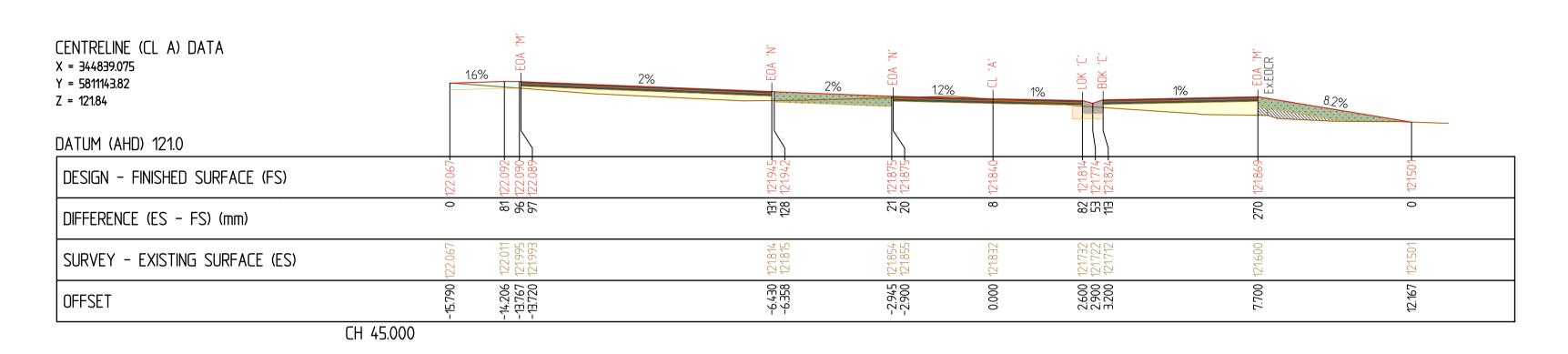
CROSS SECTION LEGEND

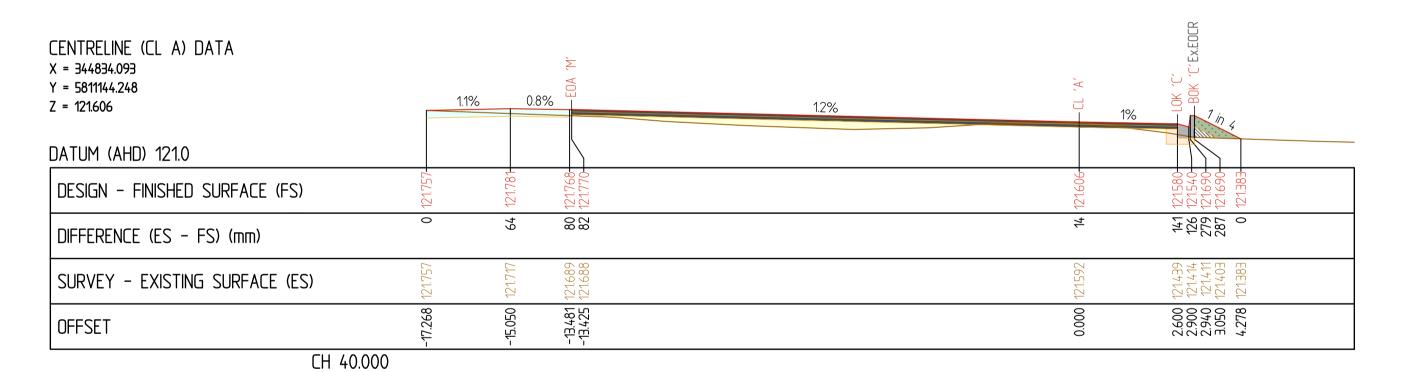
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BOK	BACK OF KERB					
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EOA	EDGE OF ASPHALT					
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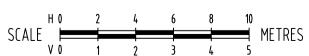






CENTRELINE (CL A) DATA X = 344827.82Y = 5811144.816 Z = 121.228DATUM (AHD) 120.0 DESIGN - FINISHED SURFACE (FS) -0 226 225 75 71 光も<u>左</u>を 0 DIFFERENCE (ES - FS) (mm) 121.167 121.143 121.139 121.131 SURVEY - EXISTING SURFACE (ES) -3.050 -2.940 -2.900 -2.600 2.600 2.900 2.940 3.050 3.997 OFFSET CH 33.702

CROSS SECTIONS - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'A' - (CL A)

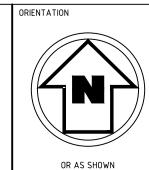


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MAROONDAH CITY COUNCIL		KC / EW		KC
PROJECT TITLE	CHE	KED	No. OF SHEET	S
CAR PARK UPGRADE WORKS		AH		25
	SCA	LE	DATE START	ED
SITE ADDRESS	H1:	200/V1:100@A1	01-	03-2024
HEATHMONT RESERVE - 264 CANTERBURY ROAD		ID & JOB No.		REV.
HEATHMONT, VIC, 3135		S67664-28	8753	
DRAWING TITLE	DRA	WING No.		
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CROSS SECTIONS – CENTRELINE 'A' – CH 33.702 A – CH 50.000 /	4	$\cup \cup \angle Z$	+	Z

DRAINAGE PIT SCHEDULE



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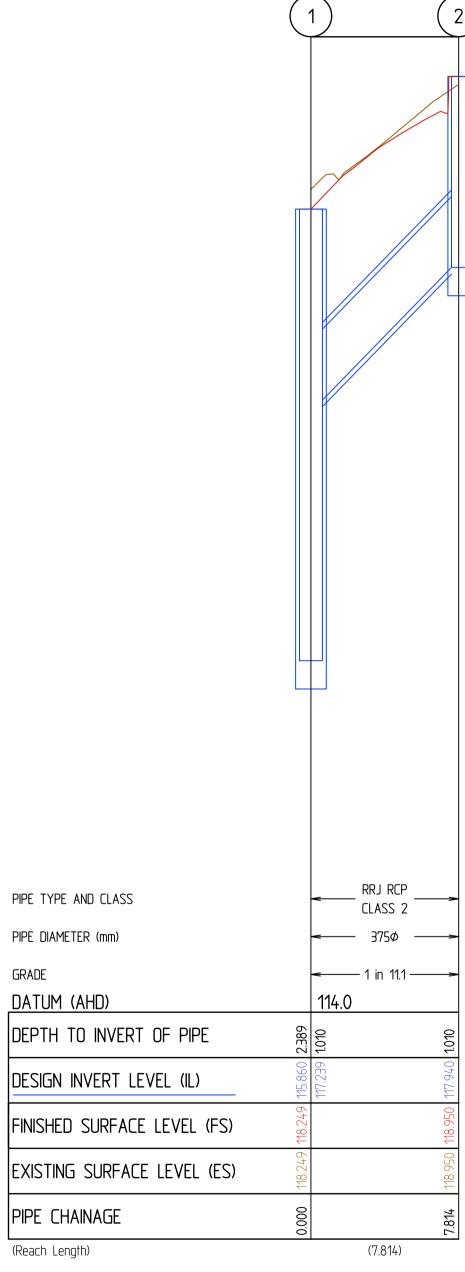
		INTERNAL IN		INLE	ET OU		ΕT	PIT				
PIT NUMBER	PIT TYPE	EASTING	NORTHING	LENGTH (mm)	WIDTH (mm)	PIPE DIAMETER (mm)	INVERT LEVEL	PIPE DIAMETER (mm)	INVERT LEVEL	SETOUT R.L.	DEPTH (m)	REFERENCE TO NOTE ON PLAN
1	10.0	244702 440	5044440 244	` ′	900	375	117.239	(**************************************		110 210	(322)	Remove existing Junction Pit Lid and reconstruct to new levels as required with Class D 'V' Shaped Grated Pit in general
1	JP-G	344793.119	5811149.211	900	900	Ex. 375	Ex. 115.820	Ex. 375	Ex. 115.720	118.249	2.529	accordance with Maroondah City Council Standard Draing MCC-201
2	SEP	344798.423	5811143.472	900	600	-	-	375	117.94	118.95	1.010	Construct new Side Entry Pit (900mm x 600mm) in accordance with Maroondah City Council Standard Drawing MCC-203

Drainage Pit Schedule Notes

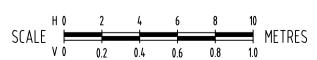
- 1. Horizontal (xy) setout is to pit centre and is to be positioned longitudinally along the kerb
- 2. Vertical (R.L.)setout level is to pit cover level and is to be confirmed through kerb setout prior to construction
- 3. If pit interfaces with kerb, the kerb is to be set out prior to drainage pit construction to confirm interface and design intent is achieved

Pit Types

JP-G Junction Pit with Grate SEP Side Entry Pit



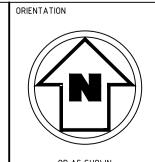
DRAINAGE LONGITUDINAL SECTIONS



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DRAWING TITLE	DRAWING No.		
DRAINAGE LONGITUDINAL SECTIONS AND PIT SCHEDULE	l (02°	5 2	