

## 6.4.3 CT22-045 Station Road Catchment, Cockatoo

**Responsible GM:** Peter Benazic  
**Author:** David Conomy

### Recommendation(s)

That Council award Contract CT22-045 Station Rd Catchment to R&C Asphalt Pty Ltd for the total amount of \$2,917,632.25 excl. GST.

### Attachments

1. Road Reconstruction Works - Baker Street [6.4.3.1 - 28 pages]
2. Road Reconstruction Works - Garden St, Station Rd West & Glen Rd [6.4.3.2 - 46 pages]
3. CONFIDENTIAL - Confidential Memorandum, Circulated to Councillors only [6.4.3.3 - 3 pages]

### Executive Summary

The competitive public tender process for the Station Road Catchment which forms part of the Sealing the Hills project has now closed, and four (4) submissions were received. All four (4) submissions were conforming to the specification provided within the tender. Post-tender clarifications were sought from all tenderers on the 1<sup>st</sup> of December 2022 regarding several items within the original schedule of quantities, with responses subsequently being received from all tenderers. All received tenders were formally evaluated both against the criteria described within the tender and submission price. Based on this evaluation, it was concluded that the submission received from R&C Asphalt Pty Ltd provided the best value. It was further noted that the submission from R&C Asphalt Pty Ltd for the total amount of \$2,917,632.25 excl. GST can be accommodated within the project budget. It is further noted that Federal funding for the project has already been secured and is not impacted by the recently announced changes to the Sealing the Hills funding. Consequently, it is recommended that Council award the Contract 22-045 Station Road Catchment to R&C Asphalt Pty Ltd for the total amount of \$2,917,632.25 excl. GST.

### Background

Station Road Cockatoo Catchment project is a package of roads including Station Road, Glen Road, Garden Street and Baker Street in Cockatoo.

This project was earmarked for delivery in FY 22/23 and 23/24 under the [Sealing the Hills](#) project within the [Better Local Roads](#) program. The project is mainly Federally funded with additional funding received through Special Charge Scheme landowner contributions. The scope of the works for these projects includes:

- Pavement widening and reconstruction
- Concrete works (kerb & channel)
- Drainage works and,
- Asphalt wearing surfacing, etc.

It should be noted that while the Federal funding for the Sealing the Hills project was unexpectedly reduced from \$150 million to \$41 million, as confirmed on the 10<sup>th</sup> of January 2023 from the Federal Minister's Office, the Station Road Catchment project is funded under the confirmed \$41 million.

Tenders for RFT22-045 were publicly advertised on 29th October 2022 and closed on the 29th November 2022 at 2.00pm. It is a federal funding requirement that for any contracts exceeding \$4 million (inclusive of GST) all tenderers are to be prequalified under the Federal Work Health and Safety Scheme, however, as this contract is less than \$4 million (inclusive of GST) this requirement does not apply. Council also set a DoT prequalification level of R2.

Tenders were evaluated against the criteria of compliance with the specifications, financial viability, risk and insurance, compliance to conditions of contract, conflict of interest, OHS, quality systems, quality of previous work, project plan, pricing and value for money, compliance with the specifications, capability, relevant experience, and past performance of the tenderer.

## **Policy Implications/Relevance to Council Plan**

### **2.1 We support the creation of liveable spaces and places**

2.1.1 Advocate, plan for and deliver accessible community infrastructure and services that address community need.

2.1.5 Upgrade Council's road network to improve safety and connectivity while considering traffic demand and freight transport needs.

### **3.1 We value our natural assets and support our biodiversity to thrive**

3.1.1 Partner with community, business and industry to take action on, and adapt to, climate change.

3.1.3 Work with community to improve and manage our natural assets, biodiversity and cultural heritage.

3.1.5 Facilitate community stewardship to build preparedness for natural threats.

### **5.1 We practise responsible leadership**

5.1.1 Build trust through meaningful community engagement and transparent decision-making.

5.1.2 Manage our finances responsibly and leave a positive legacy for future generations.

## **Climate Emergency Consideration**

Council declared a climate emergency on 16<sup>th</sup> September 2019 in response to the overwhelming climate science which indicates rising global temperatures are putting our local economy, people, species and ecosystems at risk. This declaration resolved to:

- Give priority to policy and actions that will provide for both mitigation and adaptation in response to accelerating global warming and climate change

The Council Plan acknowledges tackling climate change and its impact on our environment, economy and people. The effects of climate change are already being seen through more warm spells, frequent and intense downpours and longer fire seasons. It's impacting our biodiversity, water supplies, energy demand and health. As outlined in our Sustainable Environment Policy 2018-28, we recognise that every action our community and Council takes

influences our environment. We want to make that influence as positive as possible.

### **Consultation/Communication**

Extensive community consultation has been undertaken for the Sealing the Hills project including throughout the Special Charge Scheme process. The Station Road Catchment Special Charge Scheme was declared at the Council meeting on the 21<sup>st</sup> March 2022. No objections were received by the statutory date to lodge VCAT objections the 5<sup>th</sup> May 2022.

### **Financial and Resource Implications**

The Sealing the Hills project is mainly Federally funded with additional funding from landowner contributions received through Special Charge Schemes.

As previously noted, while the Federal funding for the Sealing the Hills project was unexpectedly reduced from \$150 million to \$41 million, as confirmed on the 10<sup>th</sup> of January 2023 from the Federal Minister's Office, the Station Road Catchment project is funded under the confirmed \$41 million.

The submission from R&C Asphalt Pty Ltd for the total amount of \$2,917,632.25 excl. GST can be accommodated within the funds allocated from the Sealing the Hills budget for the construction of the project.

### **Conclusion**

It is recommended that Council award the Contract 22-045 Station Road Catchment to R&C Asphalt Pty Ltd for the total amount of \$2,917,632.25 excl. GST.

# CARDINIA PACKAGE 10

## ROAD RECONSTRUCTION WORKS

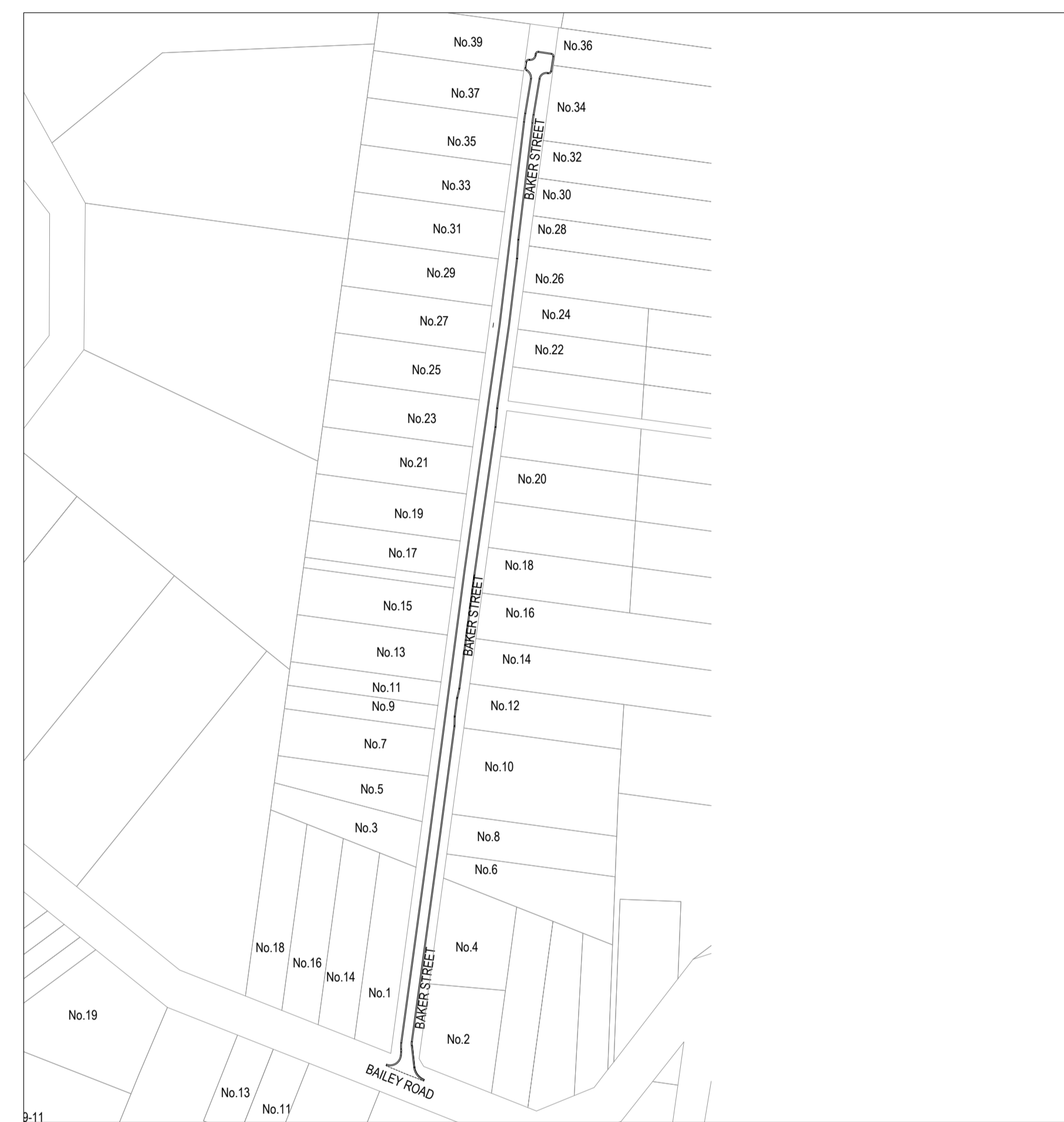
### BAKER STREET

**WARNING**  
**BEWARE OF UNDERGROUND & OVERHEAD SERVICES**  
 THE LOCATIONS OF UNDERGROUND & OVERHEAD SERVICES ARE APPROXIMATE ONLY & THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. LOCATE ALL UNDERGROUND SERVICES BEFORE COMMENCEMENT OF WORKS  
**DIAL 1100 BEFORE YOU DIG**  
 www.1100.com.au

**GENERAL NOTES:**

- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE DRAWINGS, CURRENT COUNCIL STANDARD DRAWINGS AND SPECIFICATIONS AND VPA EDM GUIDELINES TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT & A.S.2124-1992 GENERAL CONDITIONS OF CONTRACT.
- THE CONTRACTOR IS TO NOTIFY COUNCIL AND ALL SERVICE AUTHORITIES SEVEN (7) DAYS PRIOR TO COMMENCING CONSTRUCTION.
- PRIOR TO COMMENCEMENT OF WORKS ON SITE, THE CONTRACTOR MUST ENSURE THAT ALL MATTERS RELATING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT 1985, INCLUDING ALL RELEVANT REGULATIONS, HAVE BEEN ADDRESSED IN PARTICULAR THE REQUIRED NOTIFICATIONS MUST BE CONVEYED TO THE VICTORIAN WORKCOVER AUTHORITY - HEALTH AND SAFETY DIVISION WITH RESPECT TO TRENCHING OPERATIONS. DETAILS OF THE CONTRACTORS OCCUPATIONAL HEALTH AND SAFETY PROCEDURES MUST BE LODGED WITH THE SUPERINTENDENT PRIOR TO COMMENCEMENT OF WORKS.
- UNLESS OTHERWISE SHOWN BATTERS INTO ALLOTMENTS SHALL NOT BE STEEPER THAN 1 in 6. BATTERS ARE TO BE GRASSED AND MULCHED WITH A MIXTURE OF CHOPPED GRASS, HAY, STRAW AND BITUMINOUS EMULSION. ALL TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
- THE NATURE STRIPS IN CUT OR FILLED AREAS ARE TO BE TOPSOILED WITH 100mm OF APPROVED TOPSOIL MATERIAL. IF THE SOIL ON THE SITE, IS NOT SUITABLE, IT SHALL BE IMPORTED AT THE CONTRACTORS EXPENSE. THE APPROVED TOPSOIL MATERIAL IS TO BE TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
- ALL EASEMENT DRAINS ARE TO BE OFFSET 1.00m FROM PROPERTY BOUNDARY, UNLESS OTHERWISE SHOWN.
- ALL EASEMENTS SHOWN ARE FOR THE PURPOSE OF DRAINAGE AND SEWERAGE, 2.00m AND 3.00m WIDE UNLESS OTHERWISE SHOWN.
- ALL STORMWATER DRAINS ARE TO BE CLASS 2 R.C OR RIGID F.R.C PIPES WITH ADCCO FLEXIBLE COLLARS UNLESS NOTED OTHERWISE. ALL PIPES UP TO AND INCLUDING 750mm DIA. ARE TO BE RUBBER RING JOINTED. INTERLOCKING/FLUSH JOINTS WITH EXTERNAL BANDS CAN ONLY BE USED ON PIPE SIZES OVER 750mm DIA.
- DRAINAGE PIPES AND PITS ARE SET OUT FROM OFFSETS, RATHER THAN FROM CENTRELINE PIPE CHAINAGES. CURVILINEAR DRAINAGE PIPES MUST BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS GUIDELINES.
- PROPERTY INLETS ARE TO BE LOCATED 1.00m FROM LOW SIDE BOUNDARY, UNLESS OTHERWISE SHOWN. INVERTS OF PROPERTY INLETS ARE TO BE A MINIMUM OF 600mm BELOW EXISTING SURFACE. HOUSE DRAINS ARE TO BE CONNECTED DIRECTLY INTO UNDERGROUND DRAINAGE PIPES OR PITS AND OFFSET FROM SIDE BOUNDARY 5.50m WHERE POSSIBLE AS PER EDM071 & EDM703. THE LOCATION OF THE HOUSE DRAIN TO BE MARKED NEATLY ON FACE OF KERB WITH THE LETTER 'H' (50mm HIGH). HOUSE DRAIN LEVEL TO BE A MINIMUM 0.6m BELOW THE LOWEST CORNER OF THE LOT.
- THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UNDERGROUND SERVICES PRIOR TO COMMENCING EXCAVATIONS AND THE VARIOUS AUTHORITIES ARE TO BE NOTIFIED. SHOULD ANY EXISTING SERVICES BE DAMAGED DURING CONSTRUCTION WORKS, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR REPAIRS. ALL COSTS FOR THIS SHALL BE BORNE BY THE CONTRACTOR.
- UPON COMPLETION OF CONSTRUCTION, THE WHOLE SITE SHALL BE CLEANED UP & GRADED OVER AND ALL RUBBISH IS TO BE REMOVED. THE SITE IS TO BE LEFT CLEAN & TIDY AND TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
- FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND TOPSOIL REPLACED TO OBTAIN FINAL FILL LEVELS AS SHOWN ON PLANS. FILLING TO BE CLEAN CLAY COMPACTED TO A DRY DENSITY NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH AUSTRALIAN STANDARD AS 2899.2.2 (2003). SAMPLING AND TESTING IN FILL AREAS LESS THAN 200mm TO COMPLY WITH AS 3798-2007 SECTION 8.3 (LEVEL 2), LEVEL 1 SUPERVISION AND TESTING TO BE CARRIED OUT WITH ACCORDANCE WITH AS 3798-2007 SECTION 8.2 FOR ALL FILL AREAS IN EXCESS OF 200mm. A FILL REPORT MUST BE SUBMITTED TO THE CONSULTANT, SHOWING FROM A NATA REGISTERED SOIL TESTING LABORATORY.
- ANY FILL CONSTRUCTION BENEATH CAPPING LAYER AND OR SUBGRADE TO BE TYPE A SELECTED MATERIAL TO BE PLACED AND COMPACTED IN ACCORDANCE WITH CARDINIA SHIRE CONSTRUCTION SPECIFICATION FOR ROAD AND DRAINAGE. ALL OTHER FILL OUTSIDE OF PROPOSED PAVEMENTS (INCLUDING BENEATH FOOTPATHS) IS TO BE STRUCTURAL FILL AS PER NOTE 14.
- NO TOP SOIL TO BE REMOVED FROM THE SITE WITHOUT THE APPROVAL OF COUNCIL.
- ALL DRAINAGE PIPES UNDER ROAD PAVEMENT, DRIVEWAY, FOOTPATH & KERB AND CHANNEL SHALL BE BACKFILLED WITH CLASS 3 F.C.R & ALL CONDUIT TRENCHES UNDER ROAD PAVEMENT, DRIVEWAY, FOOTPATH & KERB AND CHANNEL SHALL BE BACKFILLED WITH CLASS 2 F.C.R.
- THE CONTRACTOR SHALL CO-OPERATE WITH OTHER CONTRACTORS AND/OR AUTHORITIES AND SHALL ENSURE THAT ALL SERVICES ARE INSTALLED PRIOR TO THE FINAL PAVEMENT COURSE. THE CONTRACTOR SHALL CHECK WITH THE ENGINEER THE EXACT LOCATION OF ALL PROPOSED SERVICES PRIOR TO THE INSTALLATION OF CONDUITS. ALL WORKS ARE TO BE CARRIED OUT TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
- WHEN ROADS ARE TRUNCATED AGAINST RISING LAND PENDING DEVELOPMENT OF FUTURE STAGES, TEMPORARY S.D. DRAINS SHALL BE INSTALLED ACROSS THE END OF THE ROAD TO PREVENT SEEPAGE INTO PAVEMENT.
- SUBSURFACE DRAINS ARE TO BE LAID BEHIND ALL KERB AND CHANNEL AS PER EDM 202.
- ALL ALLOTMENTS TO BE GRADED AT A MINIMUM OF 1 IN 150 TO THE LOW CORNER. WHERE NOT POSSIBLE AN INVERT LEVEL FOR THE PROPERTY INLET OR HOUSE DRAIN IS INDICATED ON THE PLAN. ALL DIMENSIONS AND RADII ARE GIVEN TO LIP OF KERBS, CHAINAGES ARE WITH RESPECT TO CENTRE LINE OF ROAD RESERVE, UNLESS OTHERWISE SHOWN.
- PRIOR TO COMMENCING WORK ON TRENCHES IN EXCESS OF 1.50m DEEP, NOTICE OF SUCH PROPOSAL IS TO BE SENT TO THE SECRETARY OF MINERALS AND ENERGY IN ACCORDANCE WITH CLAUSE 202 OF THE MINES (TRENCHES) REGULATIONS 1982. A FOREMAN QUALIFIED AS A MINES MANAGER MUST BE IN ATTENDANCE AT ALL TIMES DURING SUCH EXCAVATION WORKS.
- ALL DRIVEWAYS ARE TO BE 3.5m WIDE AND OFFSET 0.75m FROM THE SIDE BOUNDARY OR EASEMENT, UNLESS OTHERWISE SHOWN - REFER EDM STANDARD DRAWING EDM501 & EDM502. DRIVEWAY LAYBACK AND WINGS TO BE CONSTRUCTED AS A SINGLE SEGMENT OF CONCRETE.
- ACCESS RAMPS (DRIVEWAYS INTO LOTS) SHOULD HAVE A MAXIMUM GRADE OF 1 IN 6.
- THE CONTRACTOR SHALL ERECT AND MAINTAIN ALL NECESSARY SHORING, PLANKING AND STRUTTING, DEWATERING DEVICES, BARRICADES, SIGNS, LIGHTS, ETC. NECESSARY TO KEEP THE WORKS IN A SAFE AND STABLE CONDITION TO PROTECT THE PUBLIC FROM THE WORKS.
- NBN TO BE NOTIFIED AT LEAST SEVEN (7) DAYS PRIOR TO CONCRETE WORKS BEING PLACED.

- SIGNS, LINEMARKING AND DELINEATORS ARE TO BE INSTALLED AS APPLICABLE ON ROADS IN ACCORDANCE WITH A.S.1742.2
- PERMANENT SURVEY MARK SKETCH PLANS ARE TO BE PREPARED ESTABLISHING A H.D. LEVELS AND A M.G. CO-ORDINATES FOR REGISTRATION WITH THE C.P.D. BY A LICENSED SURVEYOR.
- SERVICE CONDUITS ARE TO BE INSTALLED AT THE LOCATIONS SHOWN ON THIS DRAWING. THE MINIMUM OFFSET FROM ANY SIDE BOUNDARY IS 4.00m. LOCATION OF ALL UNDERGROUND SERVICE CONDUITS TO BE MARKED ON KERB & CHANNEL. SERVICE CONDUITS THAT ARE SUBJECT TO AMENDMENT AND SHALL NOT BE LAID UNTIL WRITTEN APPROVAL IS GIVEN BY THE SUPERINTENDENT. STREET SIGNS ARE TO BE PROVIDED TO THE CARDINIA SHIRE STANDARD, INCLUDING THE PROVISION OF LOGOS.
- LOCATION OF ELECTRICITY AND VUF CONDUITS WILL BE PROVIDED ON SEPARATE DRAWINGS.
- FOR THE TERM OF THE CONTRACT PERIOD THE CONTRACTOR SHALL TAKE ADEQUATE PRECAUTION TO PREVENT THE EMISSION OF DUST, WHETHER FROM THE OPERATION OF CONSTRUCTION EQUIPMENT OR EXPOSURE OF SOIL TO WINDS.
- APPROPRIATE SILTATION CONTROL IS TO BE CARRIED OUT DURING CONSTRUCTION AND MAINTENANCE PERIOD.
- ALL EXISTING TREES ARE TO BE PROTECTED DURING CONSTRUCTION.
- ANY TREES SHOWN ON THE PLANS THAT ARE TO BE RETAINED AND PROTECTED FROM DAMAGE DURING CONSTRUCTION OR ANY TREES SHOWN ON PLANS THAT ARE FOR REMOVAL MUST BE IN ACCORDANCE WITH THE SUBDIVISION LAYOUT PLAN WHICH FORMS THE ENDORSED PERMIT. ALL ROOTS AND DECOMPOSABLE MATERIAL UNDER ROAD PAVEMENTS SHALL BE REMOVED TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
- NO SURPLUS TREES OR VEGETATION ARE TO BE BURNT ON SITE.
- CONCRETE IS TO BE PLACED AROUND ELECTRICAL DISTRIBUTION PITS TO A MINIMUM DEPTH OF 125mm. DISTRIBUTION PITS WITHIN FOOTPATHS ARE TO A MINIMUM OF 300mm WITHIN THE EDGE OF PATH.
- CONCRETE SHALL BE 25 MPa FOR BOTH KERB AND CHANNEL AND FOOTPATH, HAVING A MINIMUM CEMENT CONTENT OF 280kg PER CUBIC METRE.
- THE INFRASTRUCTURE MANAGER OR HIS REPRESENTATIVE SHALL BE GIVEN ACCESS TO THE SITE AT ALL TIMES. ALL CONSTRUCTION WORKS SHALL BE COMPLETED TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
- ON COMMENCEMENT OF CONSTRUCTION WORKS THE CONTRACTOR MUST COMPLY WITH THE RECOMMENDATIONS OF THE EPA PUBLICATION "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL" (PUBLICATION NO. 275)
- ALL TBM'S AND CONTROL POINTS ARE TO BE MAINTAINED AND PROTECTED AT ALL TIMES DURING CONSTRUCTION. SHOULD ANY MARKS BE DISTURBED, THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE CONSULTANT TO ARRANGE REINSTATEMENT AT THE CONTRACTORS EXPENSE.
- FOOTPATHS AND VEHICLE CROSSINGS TO BE DOWELLED AT THE END OF EACH DAY'S POUR OF CONCRETE.
- ALL PVC STORM WATER DRAINAGE PIPES TO BE SEWER QUALITY PVC
- NO PVC STORM WATER DRAINAGE PIPES TO BE LAID UNDER ROADS.
- ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM.
- ANY EXISTING PAVEMENT OR DRAINAGE DAMAGED DURING CONSTRUCTION OR THE MAINTENANCE PERIOD IS TO BE REINSTATEMENT BY THE CONTRACTOR TO THE SATISFACTION OF THE SUPERINTENDENT.
- PAVEMENT SUB-BASE AND BEDDING TO KERB & CHANNEL IS TO EXTEND 150mm BEHIND BACK OF KERB.
- ALL PRAM CROSSINGS ARE TO BE GENERALLY IN ACCORDANCE WITH EDM 403, INCLUDING CORNER SPLAYS. HOWEVER PRAM CROSSING SPLAY WIDTHS, AND TACTILE GROUND SURFACE INDICATORS (TGS's) ARE TO BE INSTALLED WHERE SHOWN IN ACCORDANCE WITH WHITELEESA COUNCIL STANDARD DRAWING SD320 REV B. ALL TGS's TO BE INSTALLED AS PER COUNCIL STANDARDS.
- FOOTPATH TO BE 125mm DEPTH CONCRETE, 25 MPa WITH F72 REINFORCEMENT MESH ON 50mm DEPTH OF CLASS 3 F.C.R. - REFER EDM 401.
- INSTALL BLUE RAISED REFLECTIVE PAVEMENT MARKER ON ALL ROAD CENTRELINE AND "GROUND BALL" MARKER POST TO INDICATE THE LOCATION OF ALL FIREPLUGS.
- UPON COMPLETION OF THE CIVIL WORKS, THE CONTRACTOR SHALL PROVIDE "AS CONSTRUCTED" PLANS IN A D SPEC AND R SPEC DIGITAL FORMAT TO COUNCIL'S REQUIREMENTS AND TO THE SATISFACTION OF ALL PARTIES.
- PRIOR TO THE ISSUE OF STATEMENT OF COMPLIANCE, ALL DRAINS ARE TO BE CCTV TESTED AND THE RESULTS PROVIDED TO COUNCIL.
- ALL LINEMARKING IS TO BE LONG LIFE PAINT.
- NBN PITS ARE TO BE CLEAR OF PATHS.
- ALL PAVEMENT MATERIALS ARE TO BE VICROADS APPROVED MATERIALS
- ALL SERVICES ARE TO BE CONSTRUCTED PRIOR TO PLACEMENT OF CAPPING LAYER UNDER ROADS.
- BLASTING REQUIRES A BLASTING PERMIT FROM COUNCIL.
- COMPACTION RESULTS OF EASEMENTS TO BE PROVIDED TO COUNCIL CONSTRUCTION ENGINEER.



REFERENCE	EAST	NORTH	ELEVATION	DESCRIPTION
TD51_LD	367140.29	5800745.49	189.50	RIVET IN SEWER PIT
TD52_LD	367064.13	5800177.54	189.49	RIVET IN PATH
TD54_LD	366716.66	5800111.30	209.87	RIVET IN SEWER PIT
TD58_LD	367057.35	5800508.00	192.27	STAR PICKET
TD510_LD	366844.56	5800145.57	211.60	SPIKE IN BITUMEN DRIVE
TD5064	367072.80	5800295.78	205.85	SO PEG WITH NAIL
TD5065	367107.72	5800433.71	210.37	SO PEG WITH NAIL
TD5066	367121.25	5800545.88	205.06	SO PEG WITH NAIL
TD5067	367132.31	5800625.93	198.72	SO PEG WITH NAIL
TD5068	367148.20	5800738.11	189.40	SO PEG WITH NAIL
TD5069	366786.26	5800338.46	210.95	SO PEG WITH NAIL
TD5070	366713.99	5800314.95	228.58	SO PEG WITH NAIL
TD5071	366667.18	5800303.78	230.00	SO PEG WITH NAIL
TD5072	366768.96	5800268.50	221.63	SO PEG WITH NAIL
TD5073	366812.02	5800202.04	215.77	SO PEG WITH NAIL

REFERENCE	EAST	NORTH	ELEVATION	DESCRIPTION
TD5074	366890.96	5800135.03	211.06	SO PEG WITH NAIL
TD5075	366938.19	5800150.42	208.75	SO PEG WITH NAIL
TD5076	366999.68	5800073.48	202.98	SO PEG WITH NAIL
TD5077	366535.89	5800382.83	238.53	STAR PICKET
TD5078	367063.96	5800064.64	191.08	SO PEG WITH NAIL
TD5079	366698.37	5800285.90	229.66	STAR PICKET
TD5079	366698.44	5800194.26	219.82	SO PEG WITH NAIL
W1	366557.17	5800329.08	235.08	SO PEG WITH NAIL
W5	366721.59	5800324.96	227.72	STAR PICKET
W6	366797.53	5800343.99	219.87	RIVET IN KERB
W7	366956.72	5800094.32	207.51	NAIL IN BITUMEN DRIVE
W8	367088.79	5800306.24	208.22	NAIL IN BITUMEN DRIVE
W9	367103.49	5800469.09	210.38	STAR PICKET
W10	367132.90	5800640.63	197.19	RIVET IN DRIVE
W11	367092.98	5800335.42	208.18	SO PEG WITH NAIL

**Drawing Index**

Drawing No.	Drawing Title	Revision
R100	COVER SHEET	A
R200	TYPICAL SECTIONS AND DETAILS	A
R300	GEOMETRIC AND PAVEMENT PLAN - SHEET 1	A
R301	GEOMETRIC AND PAVEMENT PLAN - SHEET 2	A
R302	GEOMETRIC AND PAVEMENT PLAN - SHEET 3	A
R400	ROAD AND DRAINAGE LAYOUT PLAN - SHEET 1	A
R401	ROAD AND DRAINAGE LAYOUT PLAN - SHEET 2	A
R402	ROAD AND DRAINAGE LAYOUT PLAN - SHEET 3	A
R500	INTERSECTION DETAIL - SHEET 1	A
R501	INTERSECTION DETAIL - SHEET 2	A
R600	ROAD LONGITUDINAL SECTIONS - SHEET 1	A
R601	ROAD LONGITUDINAL SECTIONS - SHEET 2	A
R700	CROSS SECTIONS - SHEET 1	A
R701	CROSS SECTIONS - SHEET 2	A
R702	CROSS SECTIONS - SHEET 3	A
R703	CROSS SECTIONS - SHEET 4	A
R704	CROSS SECTIONS - SHEET 5	A
R705	CROSS SECTIONS - SHEET 6	A
R706	CROSS SECTIONS - SHEET 7	A
R707	CROSS SECTIONS - SHEET 8	A
R708	CROSS SECTIONS - SHEET 9	A
R709	CROSS SECTIONS - SHEET 10	A
R710	CROSS SECTIONS - SHEET 11	A
R800	DRAINAGE LONGITUDINAL SECTION - SHEET 1	A
R801	DRAINAGE LONGITUDINAL SECTION - SHEET 2	A
R802	DRAINAGE LONGITUDINAL SECTION - SHEET 3	A
R803	DRAINAGE PIT SCHEDULE	A
R900	SIGNAGE AND LINEMARKING	A

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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT
A	14/10/2022	ISSUED FOR TENDER	S.D	M.R.	M.T.	Cardinia

CLIENT

CREO CONSULTANTS  
 Suite 1, 2 Bloomsbury Street  
 Geelong, VIC, Australia 3220

PROJECT

SEALING THE HILLS  
 COCKATOO  
 BAKER-GLEN PACKAGE

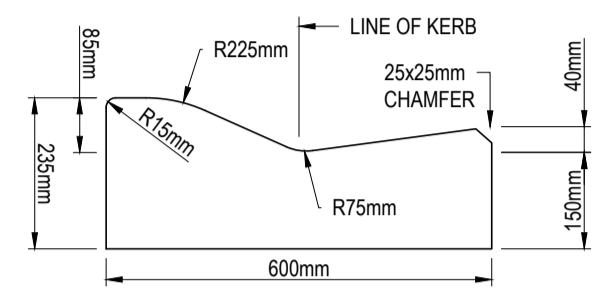
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COVER SHEET

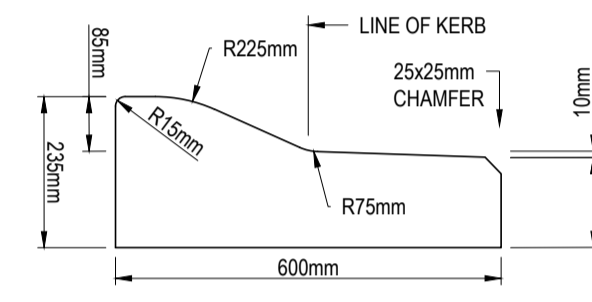
STATUS

TENDER  
 NOT FOR CONSTRUCTION

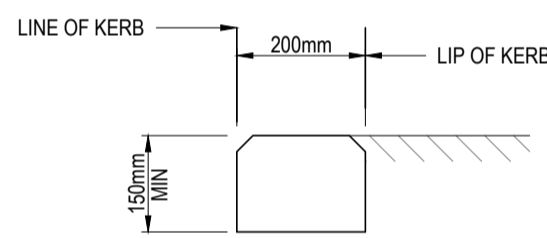
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1:2000 @ A1	S.DEVGAN	M.RAHMAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	SEP 2021
PROJECT No.	DRAWING No.	REVISION
210152.1	R100	A



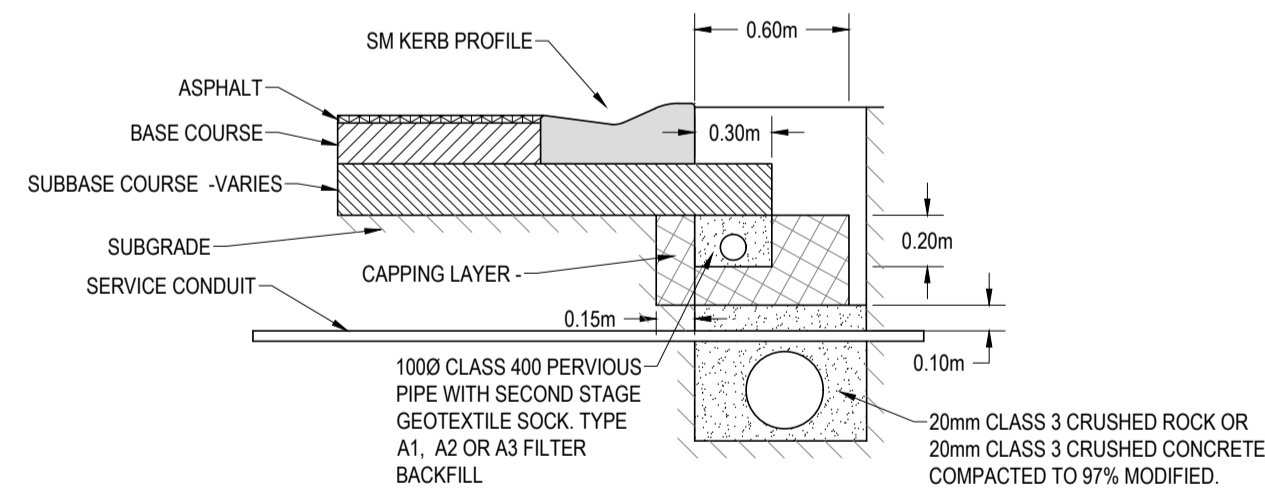
SM2-M (MODIFIED) DETAIL  
NTS



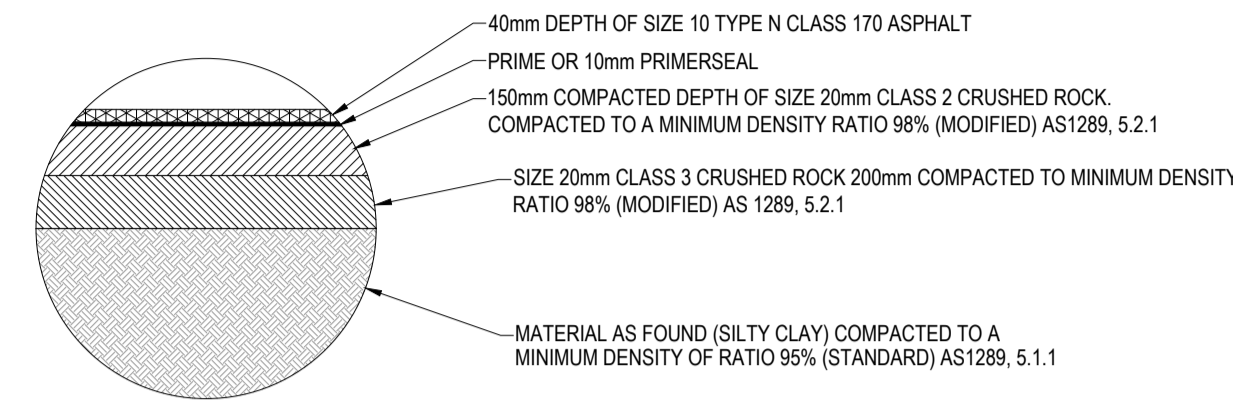
SM3-M (MODIFIED) DETAIL  
NTS



EDGE STRIP  
NTS



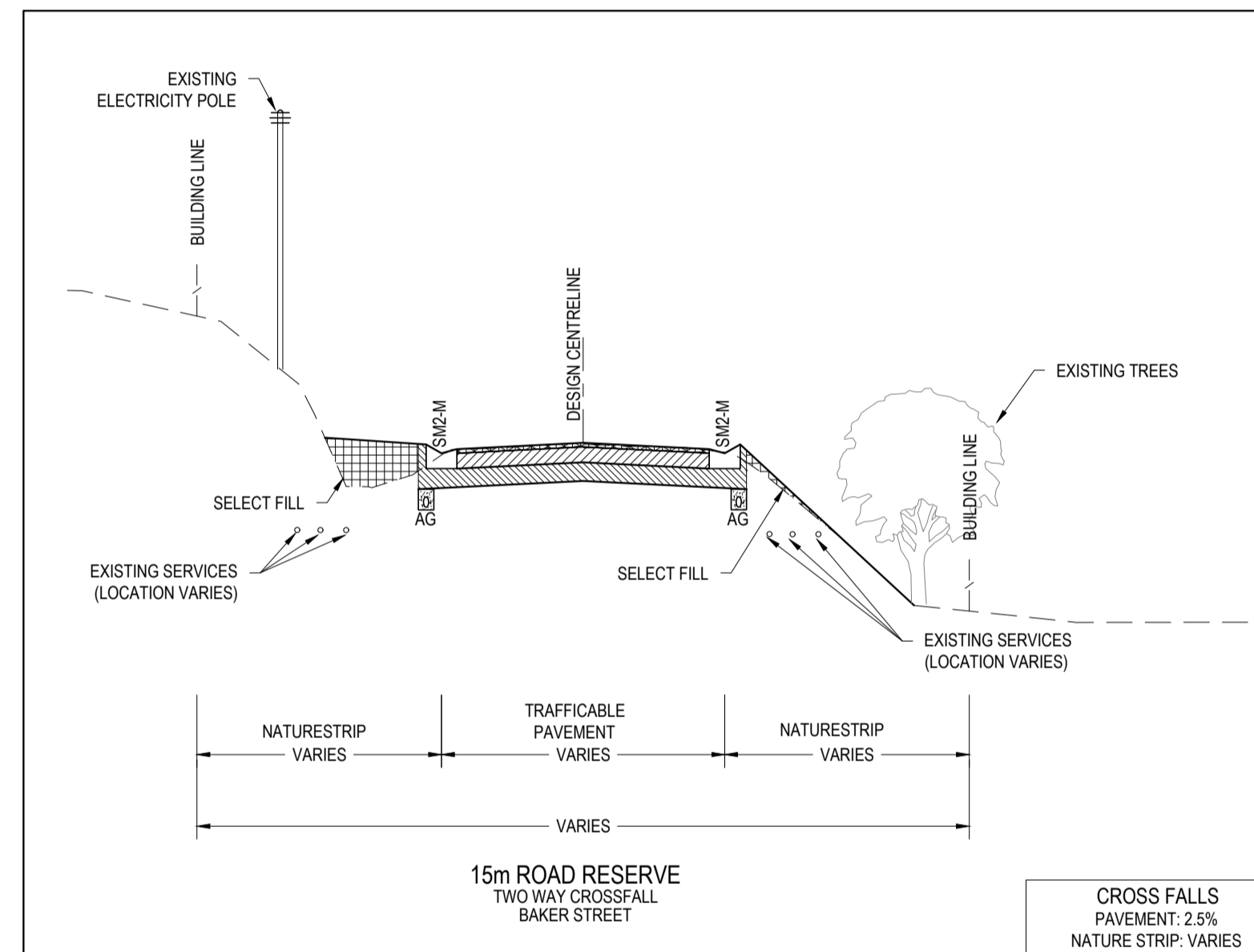
TYPICAL SUBSURFACE DRAIN DETAIL  
NTS



PAVEMENT TYPE D - COMPOSITION  
BAKER STREET  
390mm DEPTH  
NTS

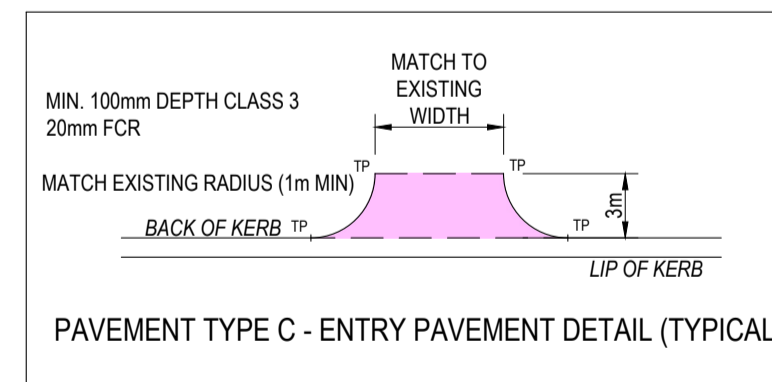
PAVEMENT CONSTRUCTION METHODOLOGY

1. EXCAVATE TO A DEPTH OF 390mm BELOW FINISHED SURFACE.
2. PLACE 200mm DEPTH OF CLASS 3 CRUSHED ROCK
3. SHAPE TO MATCH DESIGN CROSS SECTION AT 190 BELOW FINISHED SURFACE LEVEL.
4. INSTALL AGs AND CONSTRUCT UNDERGROUND DRAINAGE
5. POUR KERB & CHANNEL
6. INFILL WITH CLASS 2 TO MATCH DESIGN CROSS SECTION AT 40mm BELOW FINISHED SURFACE LEVEL.
7. PLACE PRIME OR 10mm PRIMERSEAL.
8. PLACE 40mm DEPTH OF SIZE 10 TYPE N CLASS 170 ASPHALT.



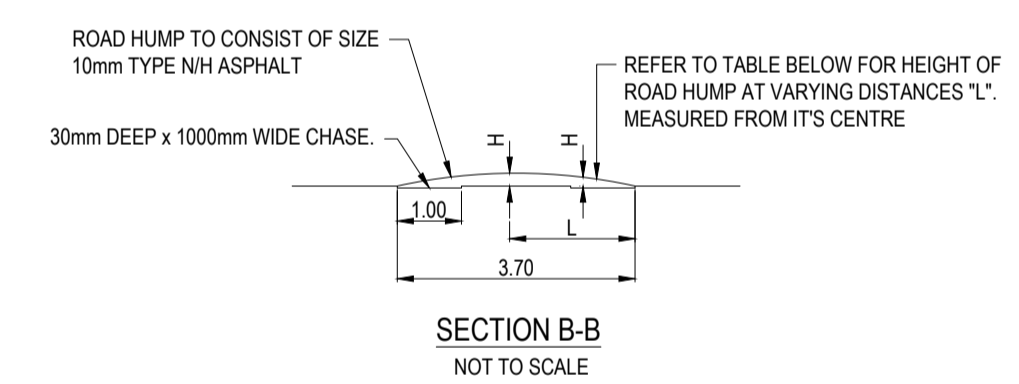
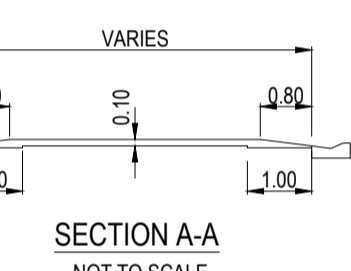
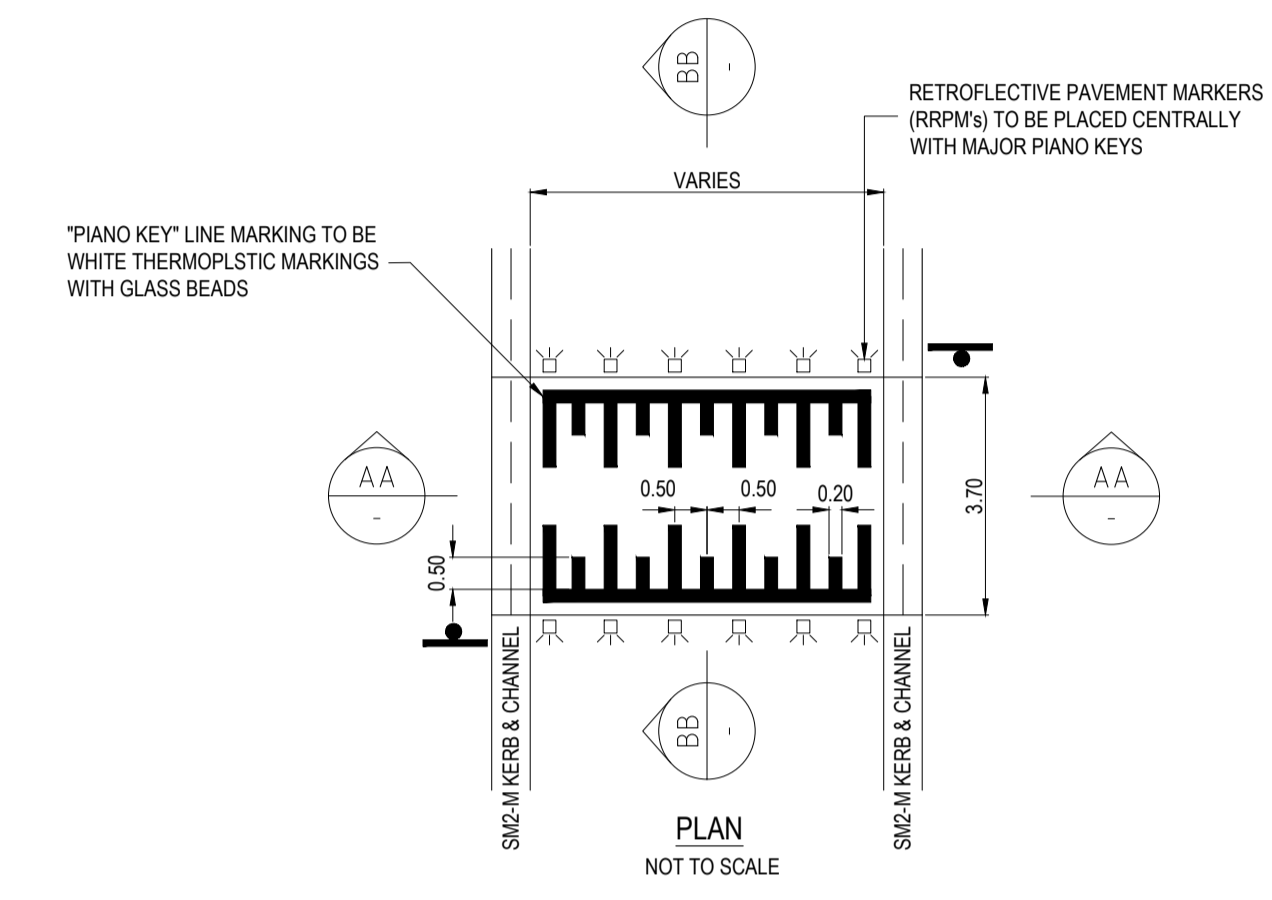
15m ROAD RESERVE  
TWO WAY CROSSFALL  
BAKER STREET

CROSS FALLS  
PAVEMENT: 2.5%  
NATURE STRIP: VARIES



PAVEMENT TYPE C - ENTRY PAVEMENT DETAIL (TYPICAL)

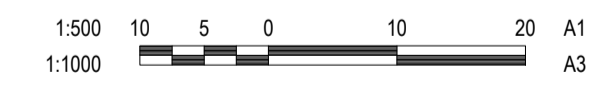
**WARNING**  
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L(m)	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8
H(m)	100	99	97	95	93	90	86	81	76	71	65	58	51	43	34	25	16	5	

HUMP DIMENSIONS = 3.70m x 100mm  
HUMP RADIUS = 17.16m

ROAD HUMP DETAIL  
NTS



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
B	19/10/2022	PAVEMENT COMPOSITION MINOR AMENDMENTS	S.D.	T.P.	T.P.
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.

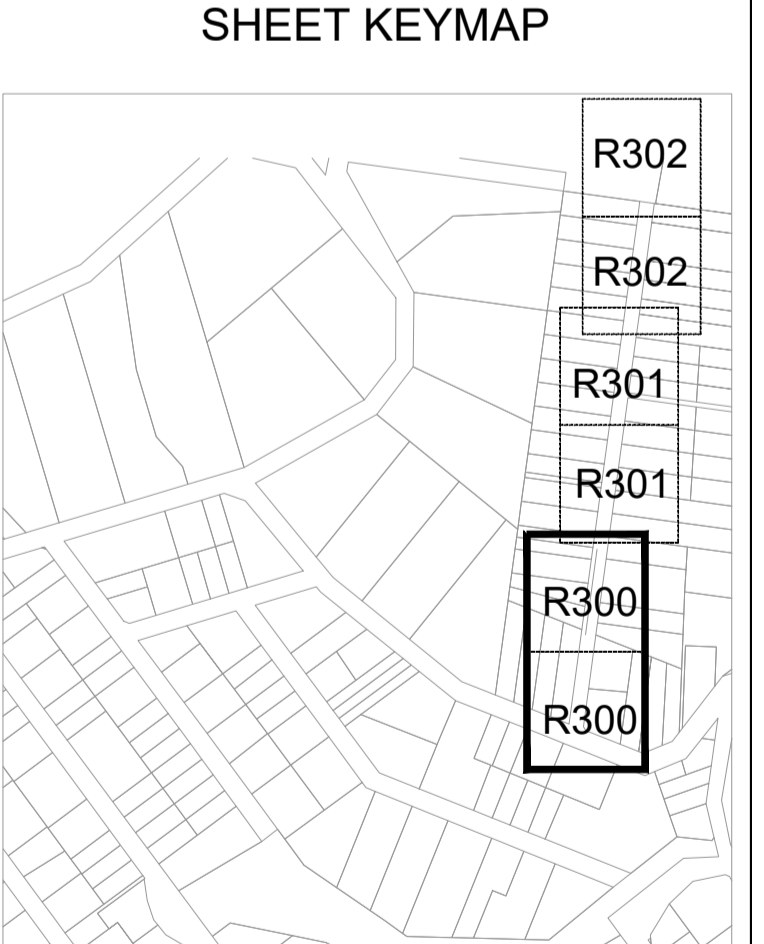
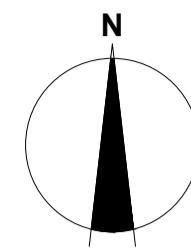


PROJECT  
**SEALING THE HILLS  
COCKATOO  
BAKER-GLEN PACKAGE**

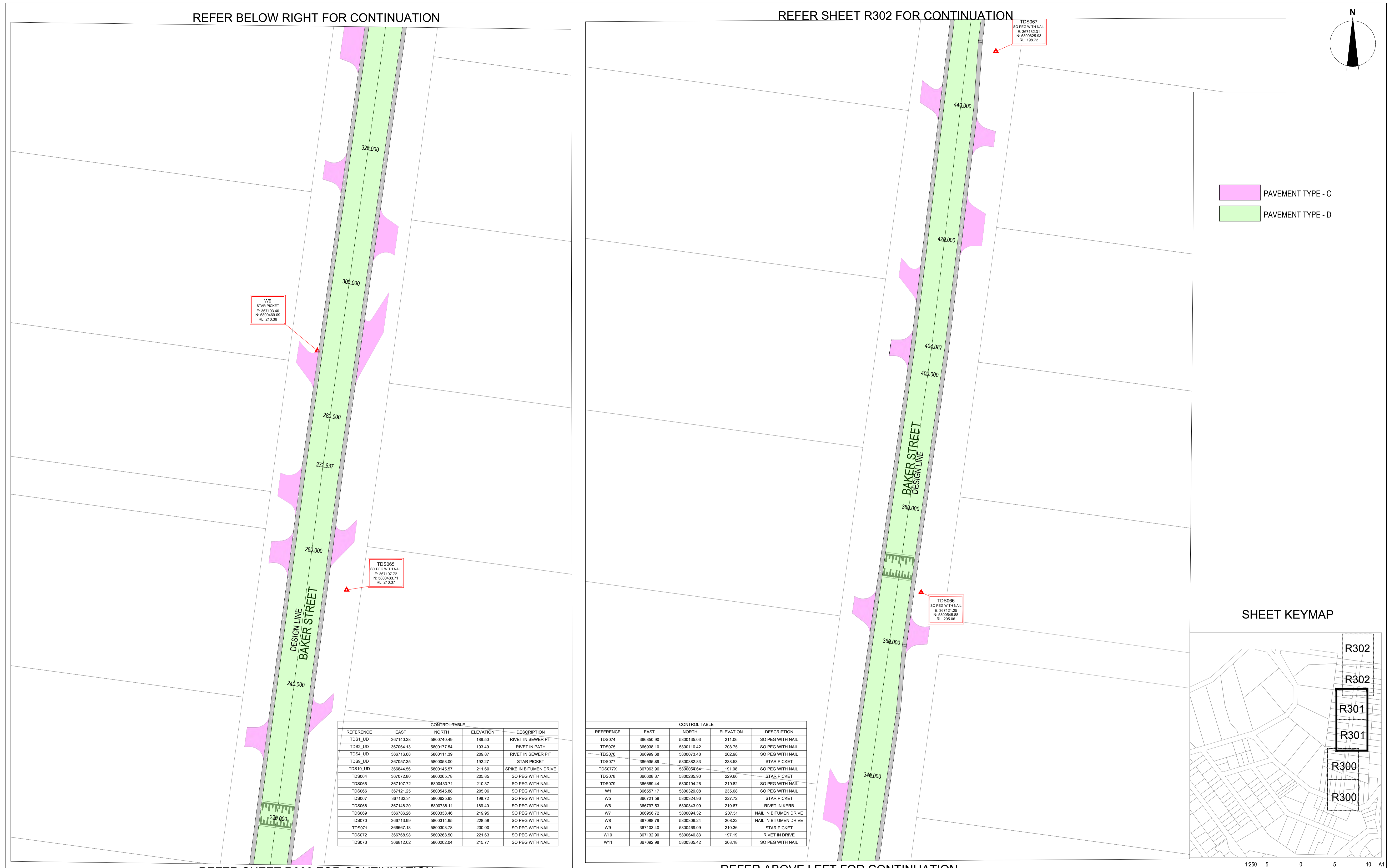
DRAWING TITLE  
**TYPICAL SECTIONS AND DETAILS**

STATUS  
**TENDER  
NOT FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	S.DEVGAN	M.RAHMAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	SEP 2021
PROJECT No.	DRAWING No.	REVISION
<b>210152.1</b>	<b>R200</b>	<b>B</b>

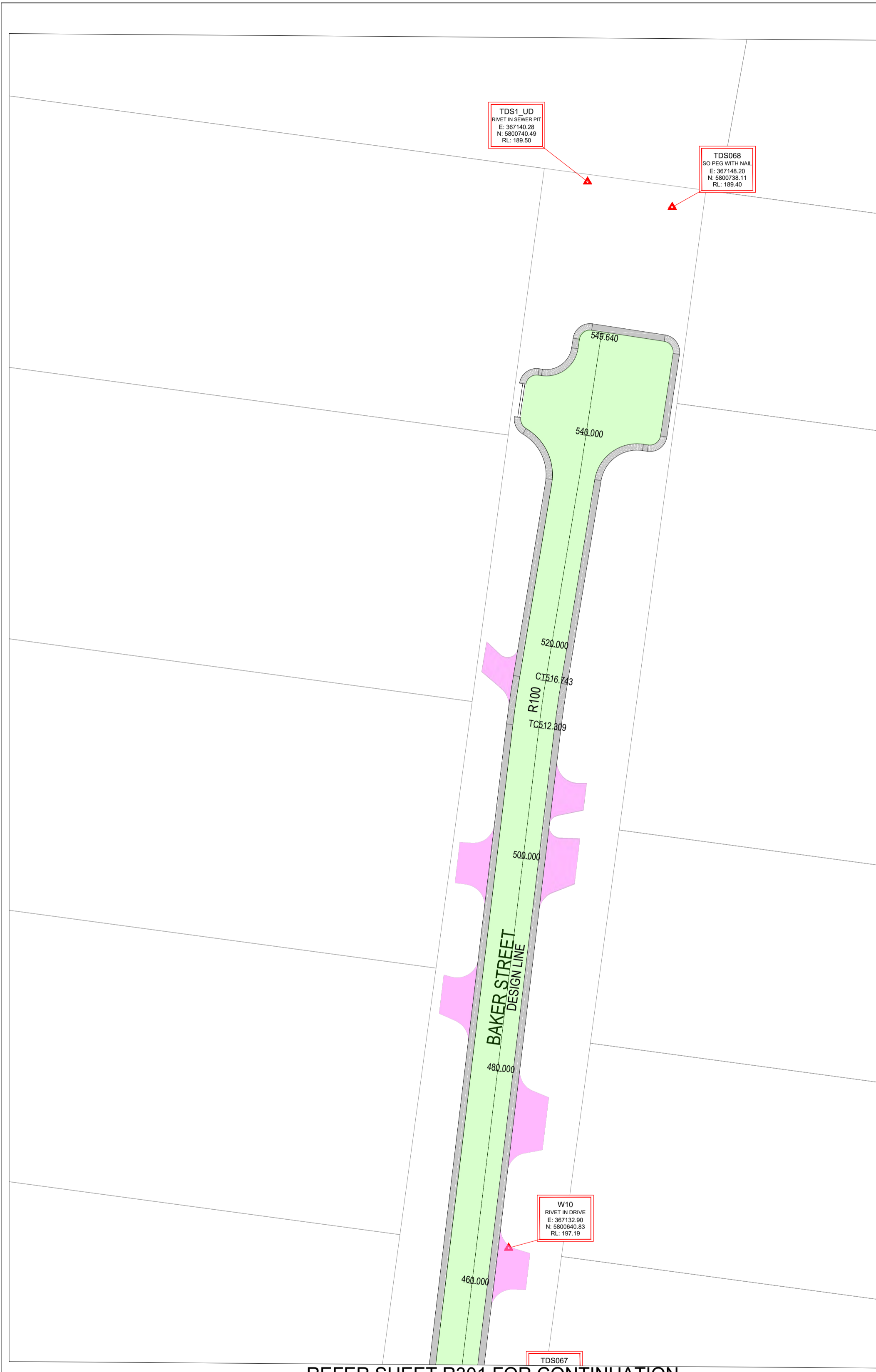


REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED	PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE	PROJECT NO.	DRAWING NO.	REVISION
A	14/10/2022	ISSUED FOR TENDER	S.D	M.R.	M.T.		 Suite 1, 2 Bloomsbury Street Geelong, VIC, Australia 3220	SEALING THE HILLS COCKATOO BAKER-GLEN PACKAGE	TENDER NOT FOR CONSTRUCTION	1:500 @ A1	S.DEVGAN	M.RAHMAN	M.TROUNCE	T.PALIOS	SEP 2021	210152.1	R300	A



REFER SHEET R300 FOR CONTINUATION			REFER ABOVE LEFT FOR CONTINUATION		
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
A	14/10/2022	ISSUED FOR TENDER	S.D	M.R.	M.T.

				PROJECT <b>SEALING THE HILLS COCKATOO BAKER-GLEN PACKAGE</b>		DRAWING TITLE <b>GEOMETRIC AND PAVEMENT PLAN SHEET 2</b>		STATUS <b>TENDER NOT FOR CONSTRUCTION</b>	
SCALE AT A1 1:500 @ A1	DRAWN S.DEVGAN	DESIGNED M.RAHMAN	PROJECT ENGINEER M.TROUNCE	PROJECT MANAGER T.PALIOS	DATE FIRST ISSUE SEP 2021	PROJECT NO. <b>210152.1</b>	DRAWING NO. <b>R301</b>	REVISION <b>A</b>	

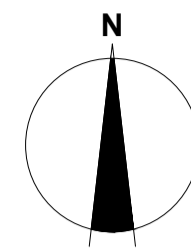


REFERENCE	EAST	NORTH	ELEVATION	DESCRIPTION
TDS1_UD	367140.28	5800740.49	189.50	RVLET IN SEWER PIT
TDS2_UD	367084.13	5800777.54	193.49	RVLET IN PATH
TDS4_UD	367116.68	5800111.28	209.87	RVLET IN SEWER PIT
TDS9_UD	367057.35	5800058.00	192.27	STAR PICKET
TDS10_UD	366844.58	5800145.57	211.60	SPIKE IN BITUMEN DRIVE
TDS04	367072.80	5800265.78	205.85	SO PEG WITH NAIL
TDS05	367107.72	5800433.71	210.37	SO PEG WITH NAIL
TDS06	367121.25	5800545.98	205.98	SO PEG WITH NAIL
TDS07	367132.31	5800625.93	198.72	SO PEG WITH NAIL
TDS08	367148.20	5800738.11	189.40	SO PEG WITH NAIL
TDS09	366786.26	5800338.46	219.95	SO PEG WITH NAIL
TDS070	366713.99	5800314.95	228.58	SO PEG WITH NAIL
TDS071	366687.18	5800303.78	230.00	SO PEG WITH NAIL
TDS072	366768.88	5800285.53	221.63	SO PEG WITH NAIL
TDS073	366812.02	5800202.04	215.77	SO PEG WITH NAIL

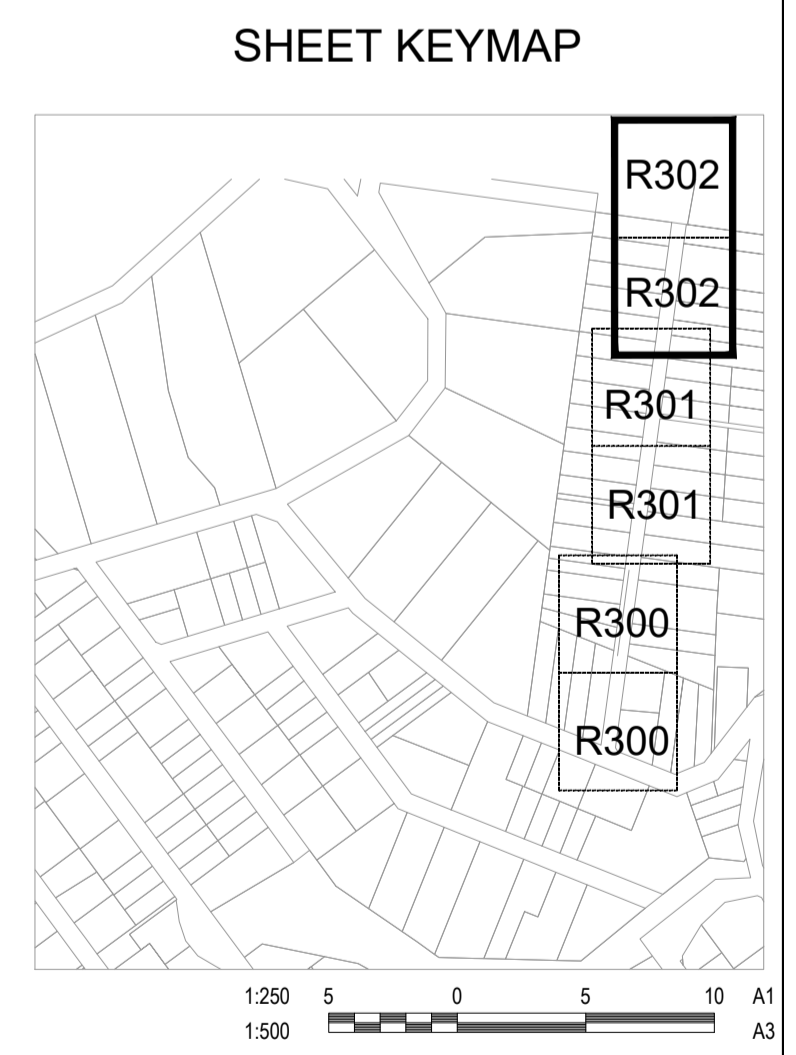
REFERENCE	EAST	NORTH	ELEVATION	DESCRIPTION
TDS074	366850.90	5800135.03	211.06	SO PEG WITH NAIL
TDS075	366898.10	5800115.42	208.75	SO PEG WITH NAIL
TDS076	366929.68	5800073.48	202.98	SO PEG WITH NAIL
TDS077	366535.89	5800382.83	238.53	STAR PICKET
TDS077X	367063.96	5800064.84	191.08	SO PEG WITH NAIL
TDS078	366608.37	5800285.90	229.66	STAR PICKET
TDS079	366669.44	5800194.28	219.82	SO PEG WITH NAIL
W1	366557.17	5800329.08	235.08	SO PEG WITH NAIL
W5	366721.59	5800324.96	227.72	STAR PICKET
W6	366797.53	5800343.99	219.87	RVLET IN KERB
W7	366556.72	5800094.32	207.51	NAIL IN BITUMEN DRIVE
W8	367088.79	5800308.24	208.22	NAIL IN BITUMEN DRIVE
W9	367103.40	5800489.09	210.36	STAR PICKET
W10	367132.90	5800640.83	197.19	RVLET IN DRIVE
W11	367092.88	5800335.42	208.18	SO PEG WITH NAIL

POINT TYPE	CHAINAGE	EASTING	NORTHING	BEARING	RADIUS
IP	0.000	367068.397	5800181.939	21°32'27.49"	
TC	3.586	367069.713	5800185.275	21°32'27.49"	-20.000
CTC	17.052	367070.576	5800198.537	353°39'44.35"	11.400
CT	19.848	367070.609	5800201.326	7°42'49.63"	11.400
	20.000	367070.630	5800201.477	7°46'59.33"	
	40.000	367073.339	5800221.292	7°46'59.33"	
	60.000	367076.047	5800241.108	7°46'59.33"	
	80.000	367078.755	5800260.924	7°46'59.33"	
	100.000	367081.464	5800280.740	7°46'59.33"	
	120.000	367084.172	5800300.555	7°46'59.33"	
IP	130.663	367085.616	5800311.120	7°31'04.13"	
	140.000	367086.838	5800320.377	7°31'04.13"	
	160.000	367089.455	5800340.205	7°31'04.13"	
	180.000	367092.071	5800360.033	7°31'04.13"	
	200.000	367094.688	5800379.861	7°31'04.13"	
	220.000	367097.305	5800399.689	7°31'04.13"	
	240.000	367099.922	5800419.517	7°31'04.13"	
	260.000	367102.538	5800439.345	7°31'04.13"	
IP	272.637	367104.192	5800451.874	8°07'42.82"	
	280.000	367105.233	5800459.163	8°07'42.82"	
	300.000	367108.061	5800478.962	8°07'42.82"	
	320.000	367110.888	5800498.761	8°07'42.82"	
	340.000	367113.716	5800518.560	8°07'42.82"	
	360.000	367116.544	5800538.359	8°07'42.82"	
	380.000	367119.372	5800558.158	8°07'42.82"	
	400.000	367122.200	5800577.957	8°07'42.82"	
IP	404.087	367122.778	5800582.003	6°52'34.89"	
	420.000	367124.683	5800597.802	6°52'34.89"	
	440.000	367127.078	5800617.658	6°52'34.89"	
	460.000	367129.472	5800637.514	6°52'34.89"	
	480.000	367131.867	5800657.370	6°52'34.89"	
	500.000	367134.261	5800677.226	6°52'34.89"	
TC	512.309	367135.735	5800689.446	6°52'34.89"	100.000
CT	516.743	367136.363	5800693.836	9°25'01.20"	100.000
	520.000	367136.896	5800697.049	9°25'01.20"	
IP	536.606	367139.613	5800713.431	8°40'58.49"	
	540.000	367140.126	5800716.786	8°40'58.49"	
IP	549.640	367141.581	5800726.315	8°40'58.49"	

PAVEMENT TYPE - C  
 PAVEMENT TYPE - D

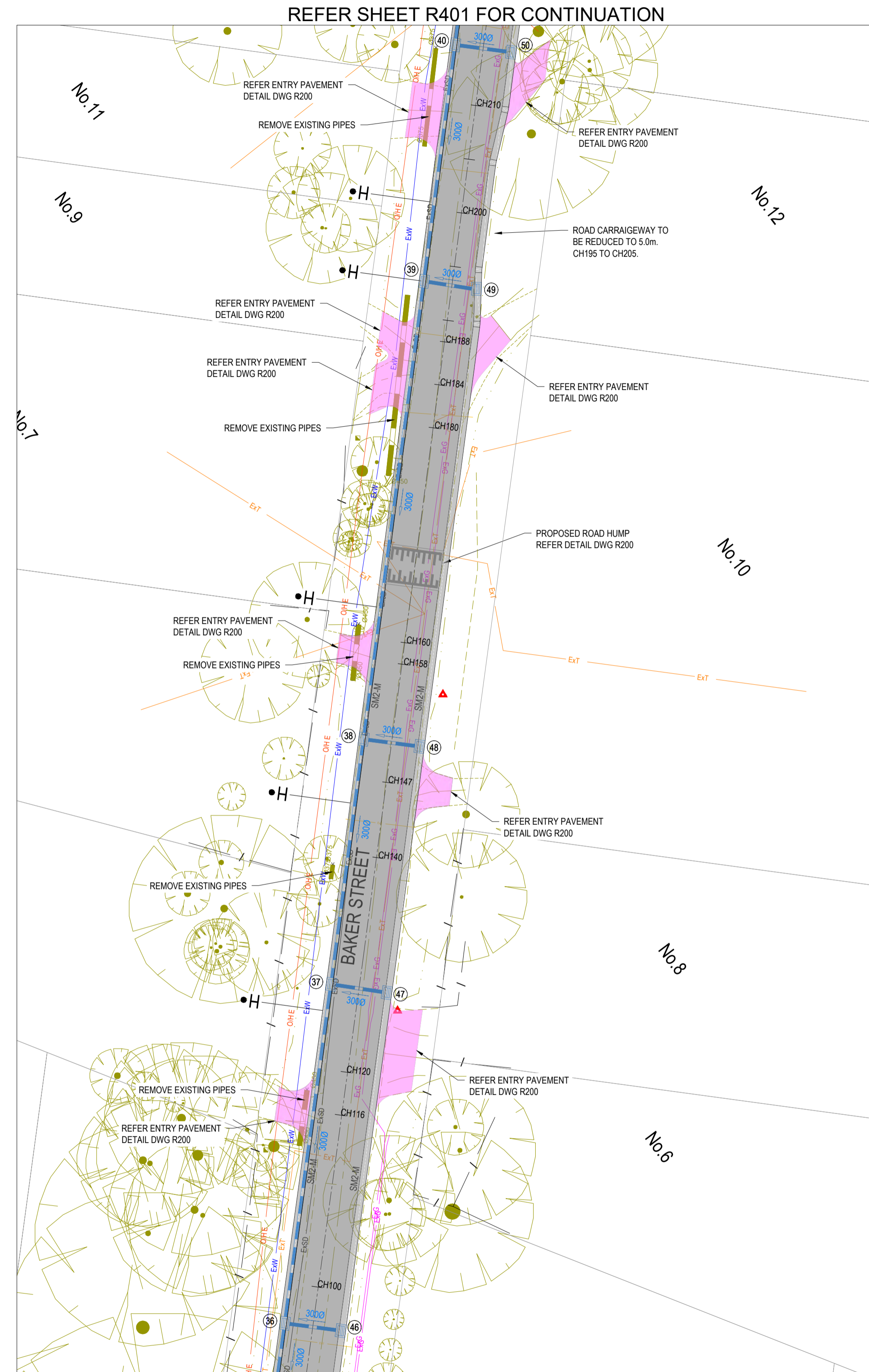
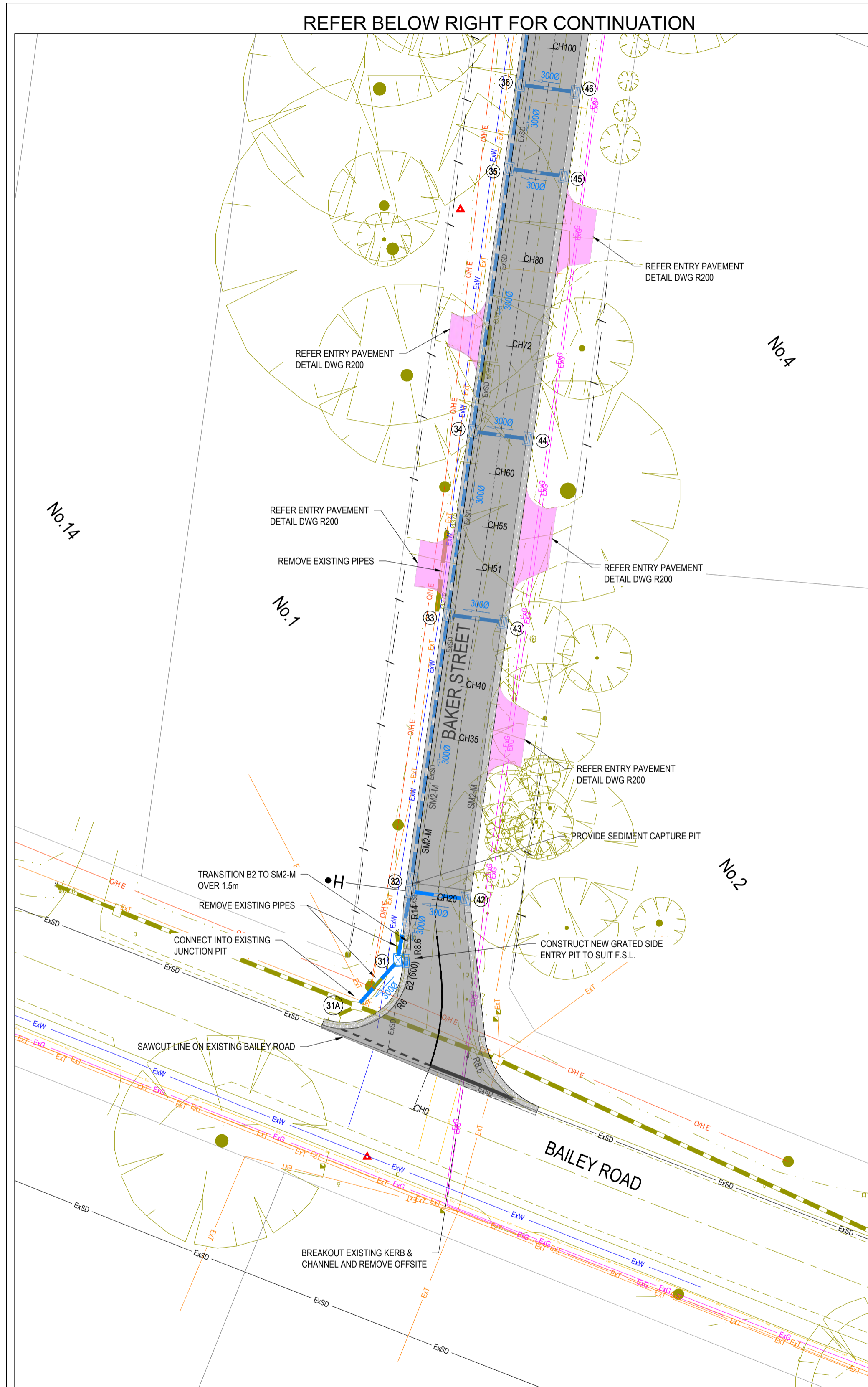


REFER SHEET R301 FOR CONTINUATION



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED	
A	14/10/2022	ISSUED FOR TENDER	S.D	M.R.	M.T.		 Suite 1, 2 Bloomsbury Street Geelong, VIC, Australia 3220	SEALING THE HILLS COCKATOO BAKER-GLEN PACKAGE  GEOMETRIC AND PAVEMENT PLAN SHEET 3	TENDER NOT FOR CONSTRUCTION	1:500 @ A1	S.DEVGAN	M.RAHMAN	
											PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
											M.TROUNCE	T.PALIOS	SEP 2021
											PROJECT NO.	DRAWING NO.	REVISION
											210152.1	R302	A



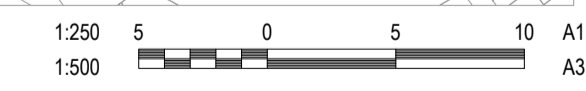
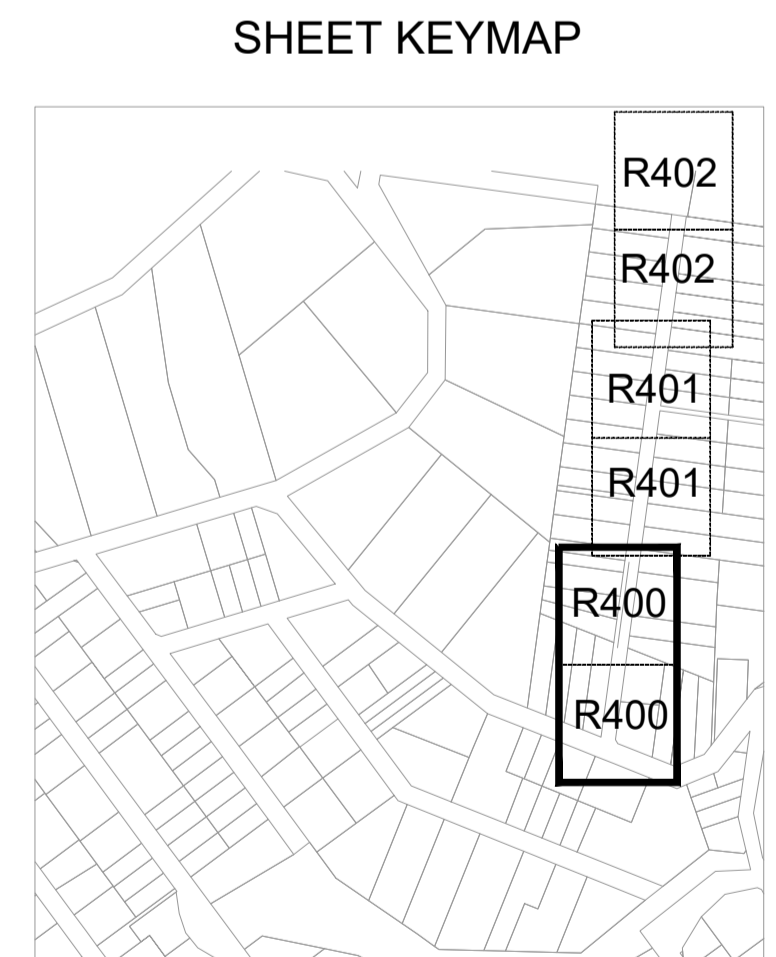


**LEGEND - LAYOUT PLAN**

- Ex E — EXISTING ELECTRICITY (UNDERGROUND)
- OH E — EXISTING ELECTRICITY (OVERHEAD)
- Ex G — EXISTING GAS
- Ex O — EXISTING OPTIC FIBRE
- Ex T — EXISTING TELSTRA
- Ex W — EXISTING WATER
- Ex RW — EXISTING RECYCLED WATER
- Ex D — EXISTING STORMWATER DRAIN
- Ex S — EXISTING SEWER
- H — EXISTING HOUSE DRAIN
- > — EXISTING SWALE DRAIN
- ▣ J — GRATED SIDE ENTRY PIT
- ▣ J — JUNCTION PIT
- ▣ G — GRATED PIT
- — DIRECTION OF FLOW
- — OVERLAND FLOW

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**NOTE:**  
 ALL EXISTING DRIVEWAYS TO BE REINSTATED



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT
A	14/10/2022	ISSUED FOR TENDER	S.D	M.R.	M.T.	

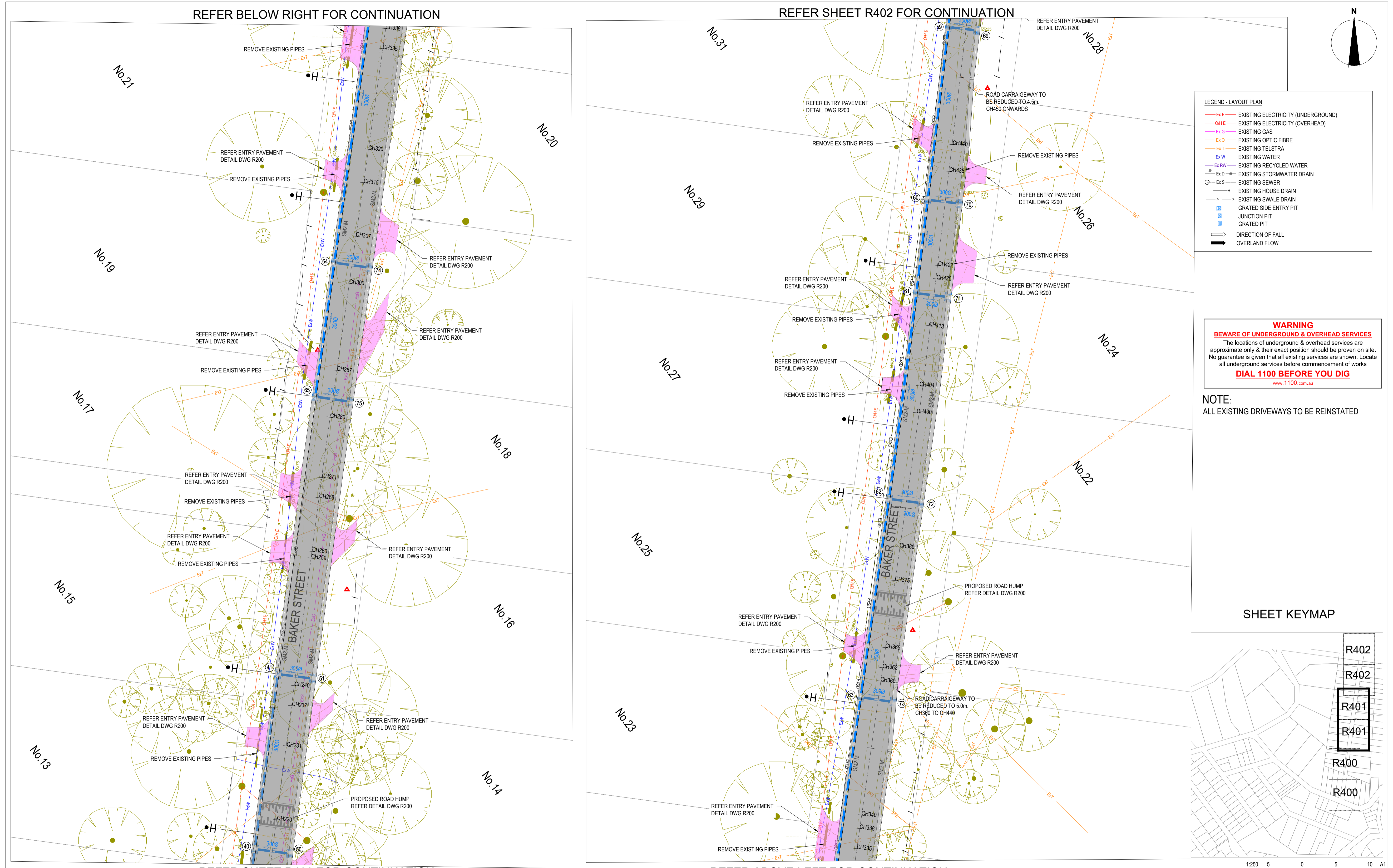


**PROJECT**  
 SEALING THE HILLS  
 COCKATOO  
 BAKER-GLEN PACKAGE

**DRAWING TITLE**  
 LAYOUT PLAN - BAKER STREET  
 SHEET 1

**STATUS**  
**TENDER**  
 NOT FOR CONSTRUCTION

SCALE AT A1 1:500 @ A1	DRAWN S.DEVGAN	DESIGNED M.RAHMAN
PROJECT ENGINEER M.TROUNCE	PROJECT MANAGER T.PALIOS	DATE FIRST ISSUE SEP 2021
PROJECT NO. <b>210152.1</b>	DRAWING NO. <b>R400</b>	REVISION <b>A</b>



**LEGEND - LAYOUT PLAN**

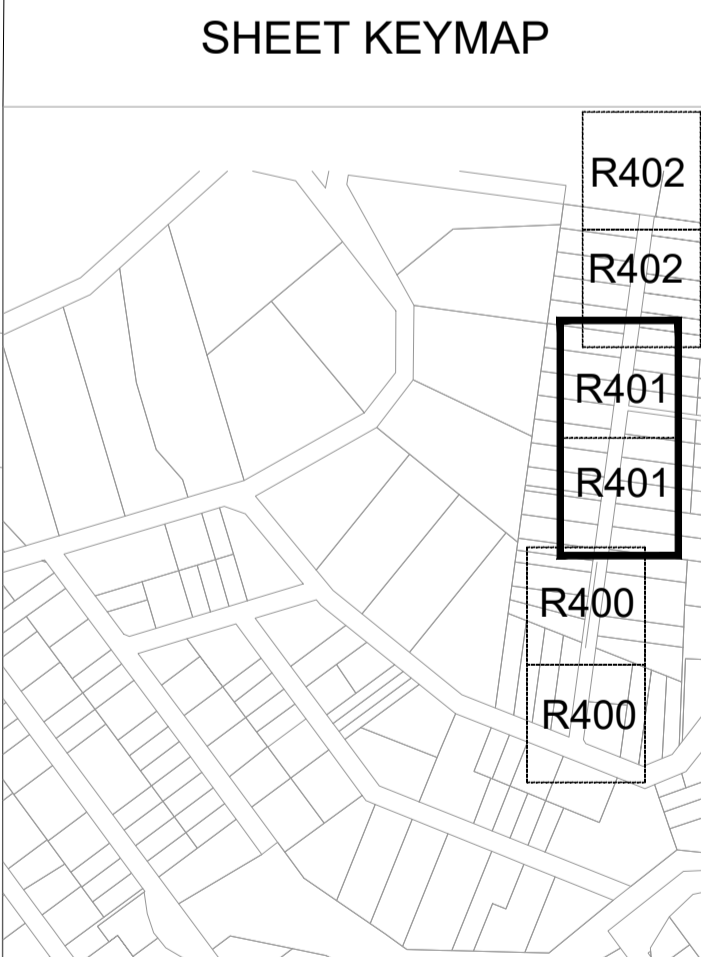
- Ex E EXISTING ELECTRICITY (UNDERGROUND)
- OH E EXISTING ELECTRICITY (OVERHEAD)
- Ex G EXISTING GAS
- Ex O EXISTING OPTIC FIBRE
- Ex T EXISTING TELSTRA
- Ex W EXISTING WATER
- Ex RW EXISTING RECYCLED WATER
- Ex D EXISTING STORMWATER DRAIN
- Ex S EXISTING SEWER
- H EXISTING HOUSE DRAIN
- S EXISTING SWALE DRAIN
- GRATED SIDE ENTRY PIT
- JUNCTION PIT
- GRATED PIT
- DIRECTION OF FALL
- OVERLAND FLOW

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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED	
A	14/10/2022	ISSUED FOR TENDER	S.D	M.R.	M.T.		<p style="font-size: 8px;">Suite 1, 2 Bloomsbury Street Geelong, VIC, Australia 3220</p>	<b>SEALING THE HILLS                      COCKATOO                      BAKER-GLEN PACKAGE</b>	<b>TENDER                      NOT FOR CONSTRUCTION</b>	1:500 @ A1	S.DEVGAN	M.RAHMAN	
											PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
											M.TROUNCE	T.PALIOS	SEP 2021
											PROJECT NO.	DRAWING NO.	REVISION
											210152.1	R401	A



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT
A	14/10/2022	ISSUED FOR TENDER	S.D	M.R.	M.T.	



**PROJECT**  
 SEALING THE HILLS  
 COCKATOO  
 BAKER-GLEN PACKAGE

**DRAWING TITLE**  
 LAYOUT PLAN - BAKER STREET  
 SHEET 3

**STATUS**  
 TENDER  
 NOT FOR CONSTRUCTION

SCALE AT A1 1:500 @ A1	DRAWN S.DEVGAN	DESIGNED M.RAHMAN
PROJECT ENGINEER M.TROUNCE	PROJECT MANAGER T.PALIOS	DATE FIRST ISSUE SEP 2021
PROJECT NO. 210152.1	DRAWING NO. R402	REVISION A

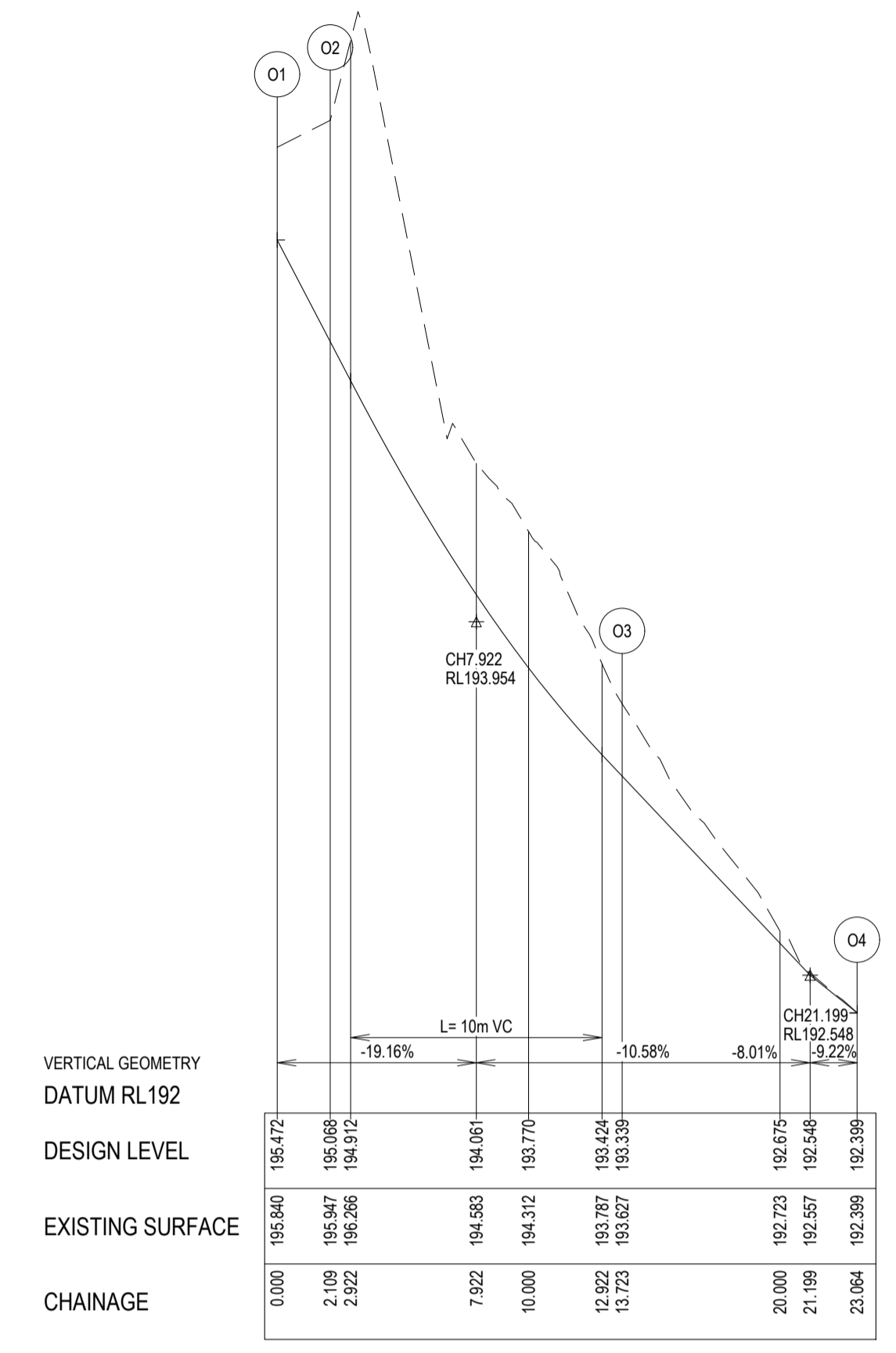
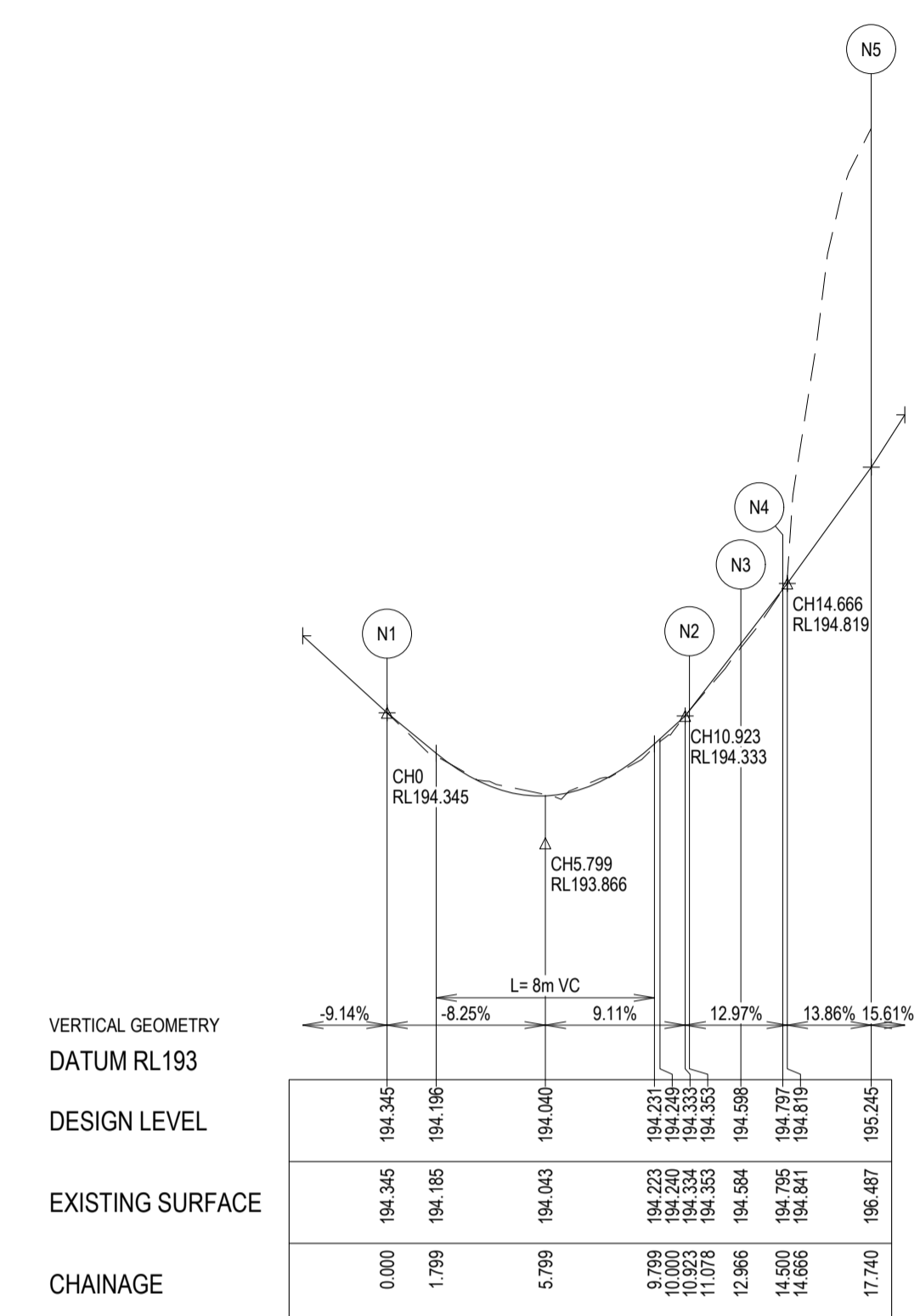
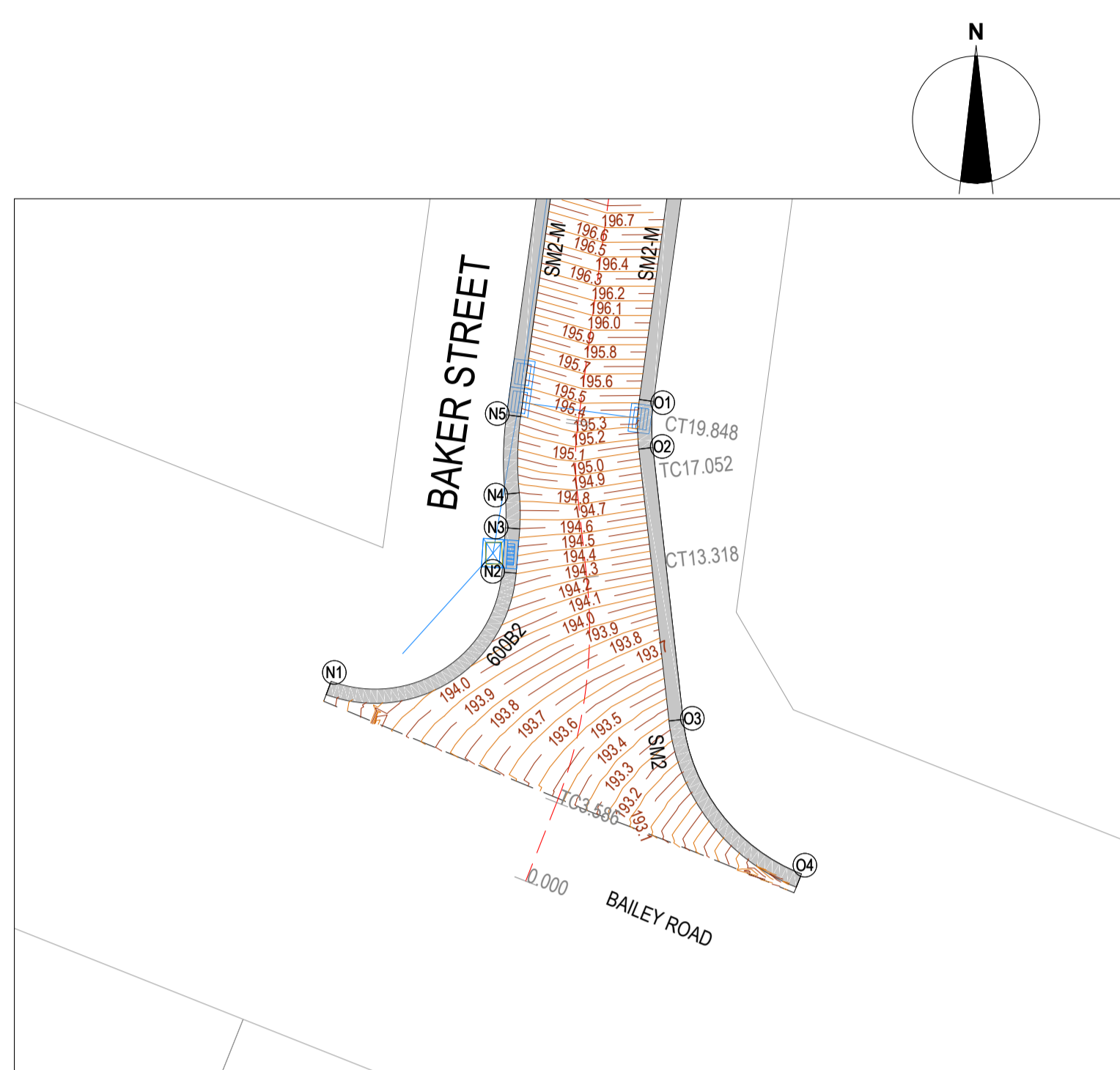
**LEGEND - INTERSECTION PLAN**

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MAJOR CONTOUR - 0.1m
- MINOR CONTOUR - 0.05m
- GRADE LINE

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**LEGEND**

- EXISTING SURFACE
- DESIGN LINE

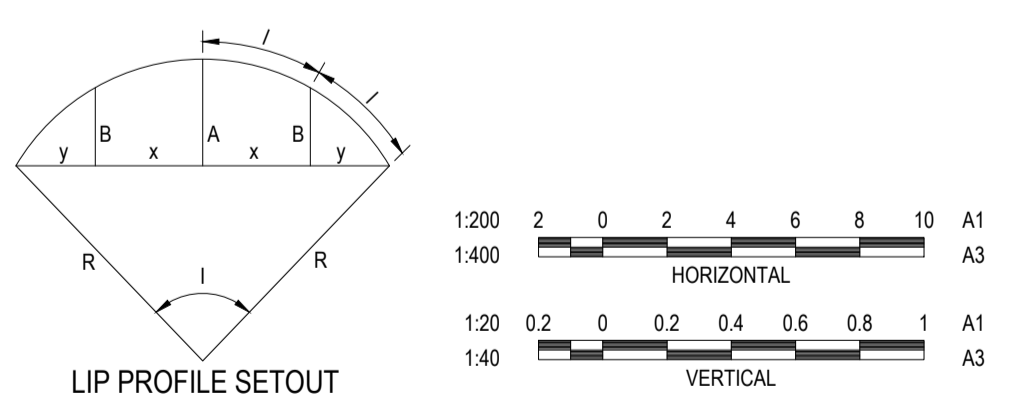


POINT NO	EASTING	NORTHING	RL
N1	367059.926	5800189.855	194.345
N2	367067.991	5800195.008	194.353
N3	367068.140	5800196.890	194.598
N4	367068.124	5800198.422	194.797
N5	367068.182	5800201.654	195.245

POINT NO	EASTING	NORTHING	RL
O1	367073.225	5800202.383	
O2	367073.200	5800200.279	195.068
O3	367074.482	5800188.735	193.339
O4	367079.886	5800181.680	192.399

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
N1 - N2	105.786	6.000	11.078	2.380	1.752	2.672	2.113	2.769	194.040
N3 - N4	10.223	8.600	1.534	0.034	0.026	0.383	0.384	194.698	
N4 - N5	13.269	13.991	3.240	0.094	0.070	0.810	0.807	0.810	195.020

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
O1 - O2	14.051	8.600	2.109	0.065	0.048	0.527	0.525	0.527	195.270
O3 - O4	62.227	8.600	9.340	1.237	0.922	2.306	2.137	2.335	192.845



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
A	14/10/2022	ISSUED FOR TENDER	S.D	M.R.	M.T.

		PROJECT <b>SEALING THE HILLS COCKATOO BAKER-GLEN PACKAGE</b>	DRAWING TITLE <b>INTERSECTION DETAIL SHEET 1</b>	STATUS <b>TENDER NOT FOR CONSTRUCTION</b>	SCALE AT A1	DRAWN	DESIGNED
					AS SHOWN	S.DEVGAN	M.RAHMAN
					PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
					M.TROUNCE	T.PALIOS	SEP 2021
					PROJECT NO.	DRAWING NO.	REVISION
					<b>210152.1</b>	<b>R500</b>	<b>A</b>

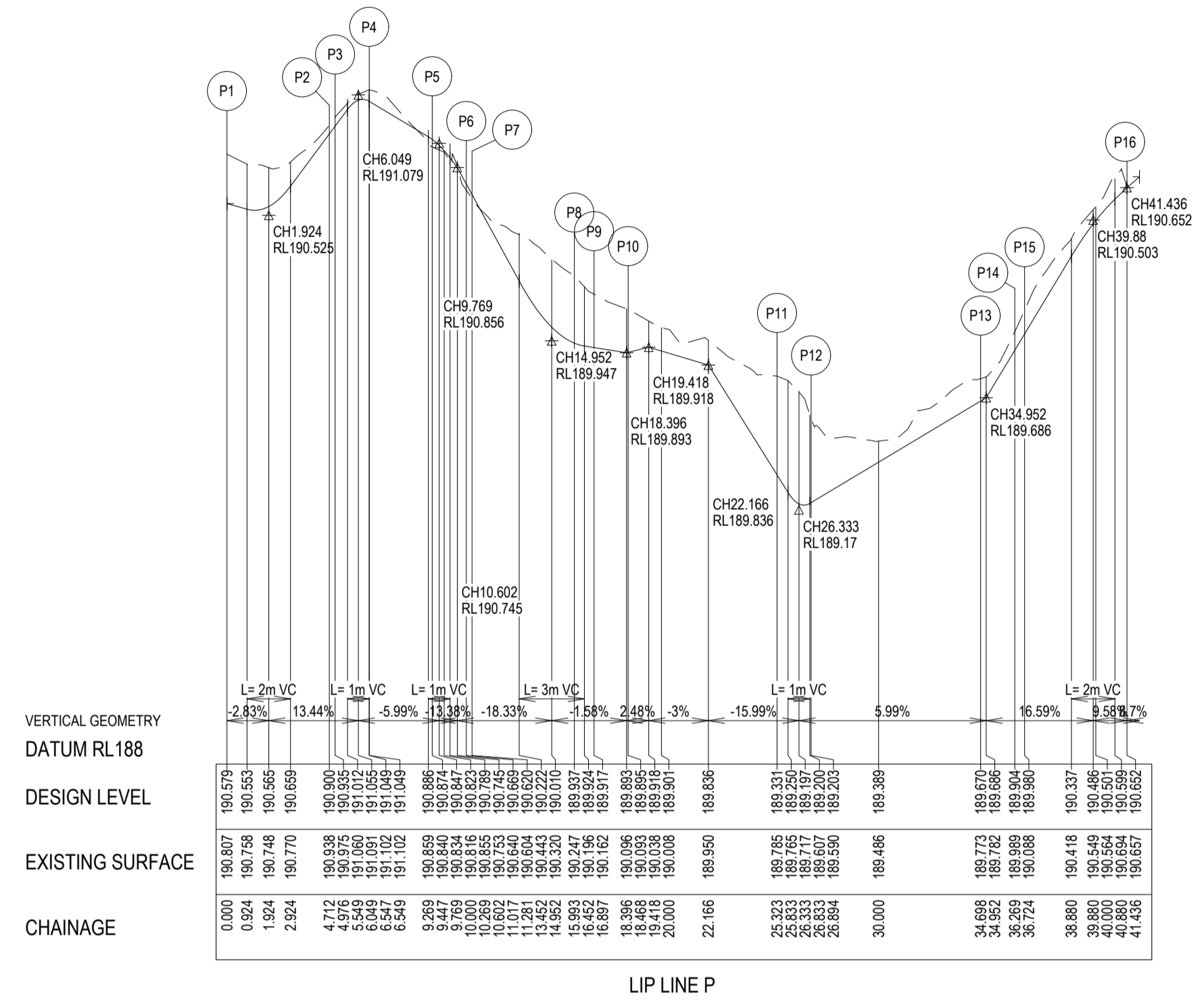
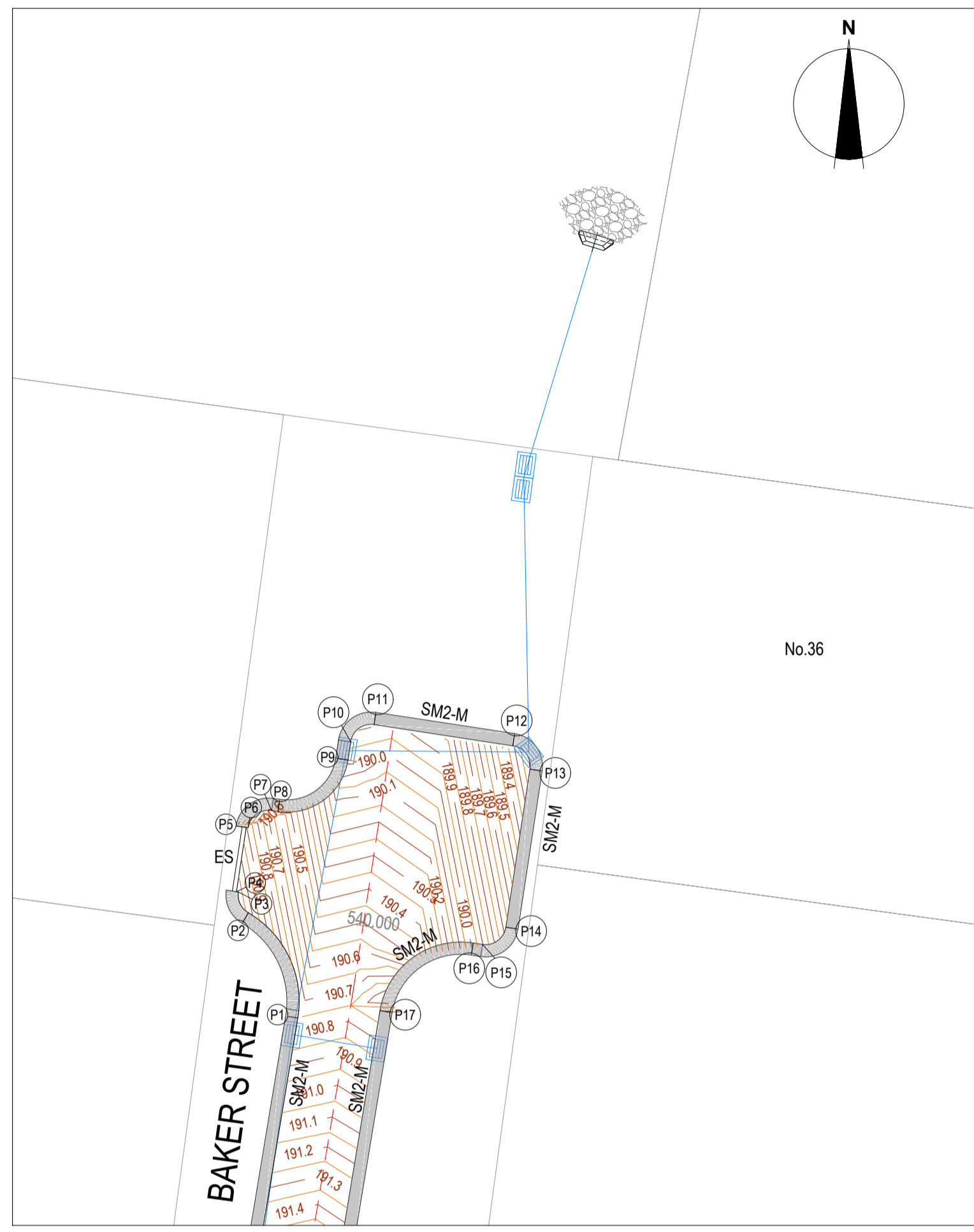
**LEGEND - INTERSECTION PLAN**

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MAJOR CONTOUR - 0.1m
- MINOR CONTOUR - 0.05m
- GRADE LINE

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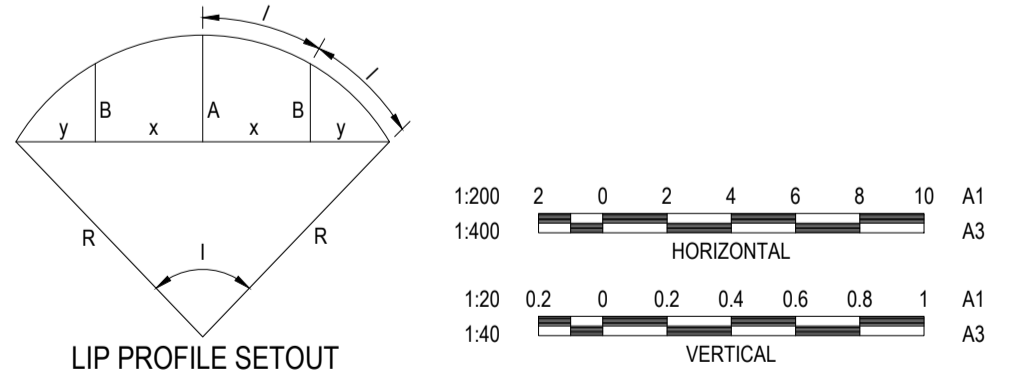
**LEGEND**

- EXISTING SURFACE
- DESIGN LINE



Point no	Easting	Northing	RL
P1	367137.743	5800714.100	190.579
P2	367135.230	5800717.519	190.900
P3	367134.970	5800717.559	190.935
P4	367134.132	5800718.698	191.049
P5	367134.570	5800721.565	190.874
P6	367135.710	5800722.402	190.669
P7	367135.970	5800722.363	190.620
P8	367139.388	5800724.875	189.937
P9	367139.525	5800725.769	189.917
P10	367140.664	5800726.607	189.895
P11	367147.441	5800725.572	189.331
P12	367148.278	5800724.432	189.203
P13	367147.100	5800716.718	189.670
P14	367145.961	5800715.880	189.904
P15	367145.511	5800715.949	189.980
P16	367142.092	5800713.436	190.652

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
P1 - P2	90.000	3.000	4.712	0.879	0.650	1.148	0.973	1.178	190.596
P3 - P4	90.000	1.000	1.571	0.293	0.217	0.383	0.324	0.393	191.036
P5 - P6	90.000	1.000	1.571	0.293	0.217	0.383	0.324	0.393	190.794
P7 - P8	90.000	3.000	4.712	0.879	0.650	1.148	0.973	1.178	190.189
P9 - P10	90.000	1.000	1.571	0.293	0.217	0.383	0.324	0.393	189.904
P11 - P12	90.000	1.000	1.571	0.293	0.217	0.383	0.324	0.393	189.214
P13 - P14	90.000	1.000	1.571	0.293	0.217	0.383	0.324	0.393	189.774
P15 - P16	90.000	3.000	4.712	0.879	0.650	1.148	0.973	1.178	190.370



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
A	14/10/2022	ISSUED FOR TENDER	S.D	M.R.	M.T.

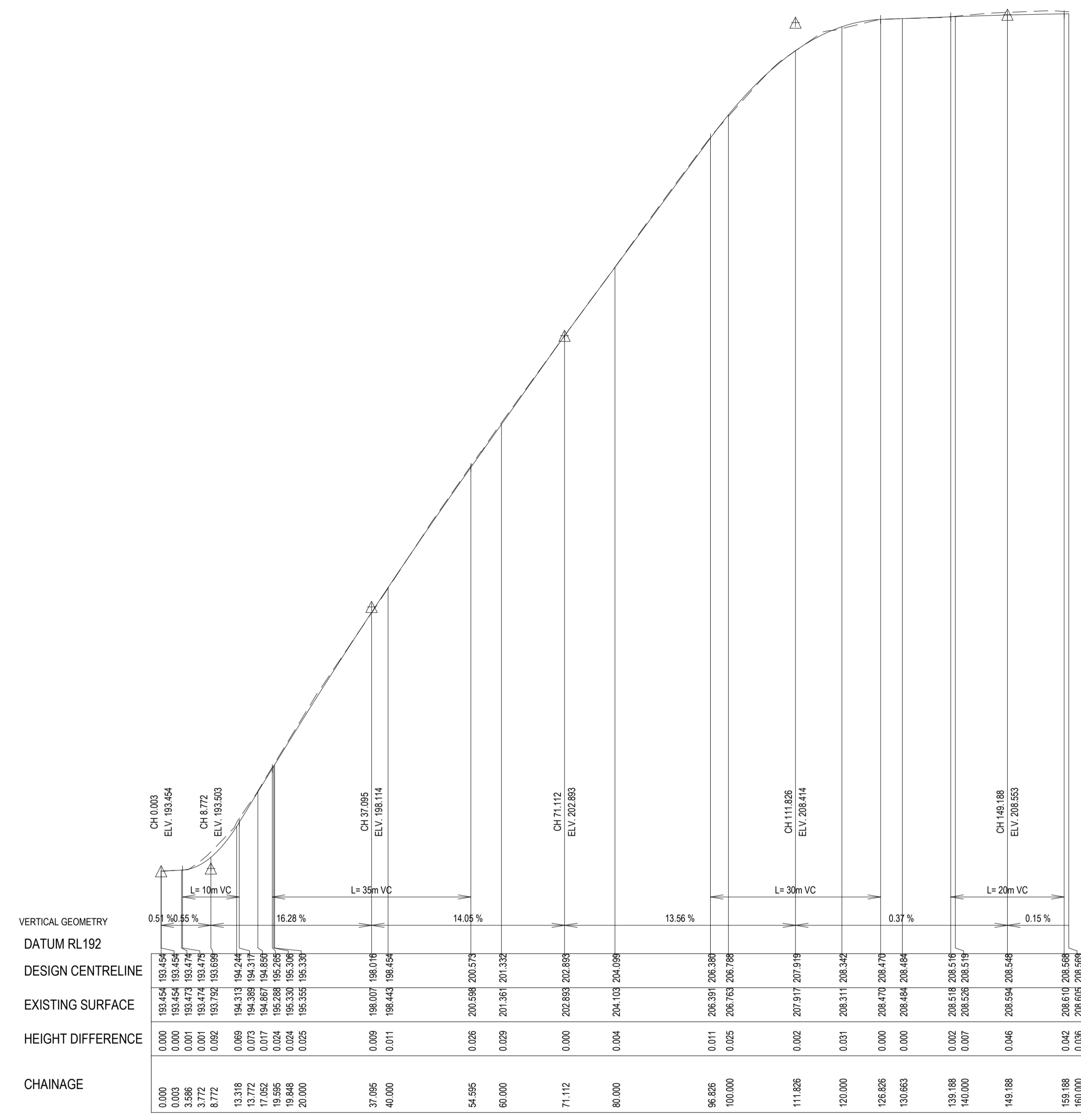
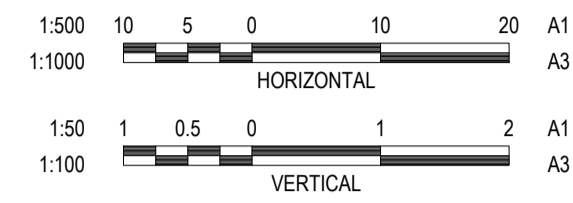


**SEALING THE HILLS  
 COCKATOO  
 BAKER-GLEN PACKAGE**

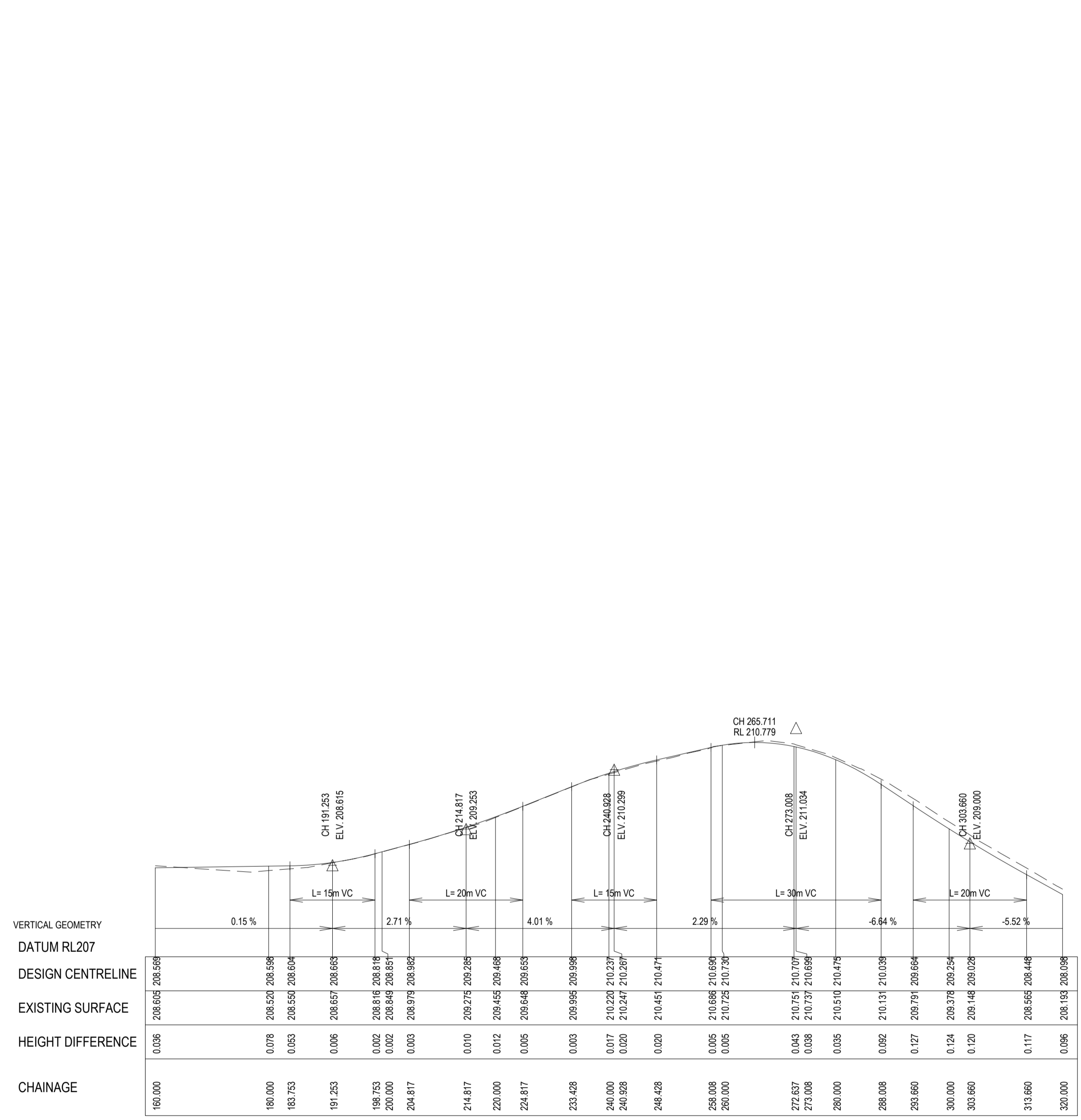
**INTERSECTION DETAIL  
 SHEET 2**

**TENDER  
 NOT FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	S.DEVGAN	M.RAHMAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	SEP 2021
PROJECT NO.	DRAWING NO.	REVISION
210152.1	R501	A



BAKER ST LONGITUDINAL SECTION



BAKER ST LONGITUDINAL SECTION

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
A	14/10/2022	ISSUED FOR TENDER	S.D	M.R.	M.T.

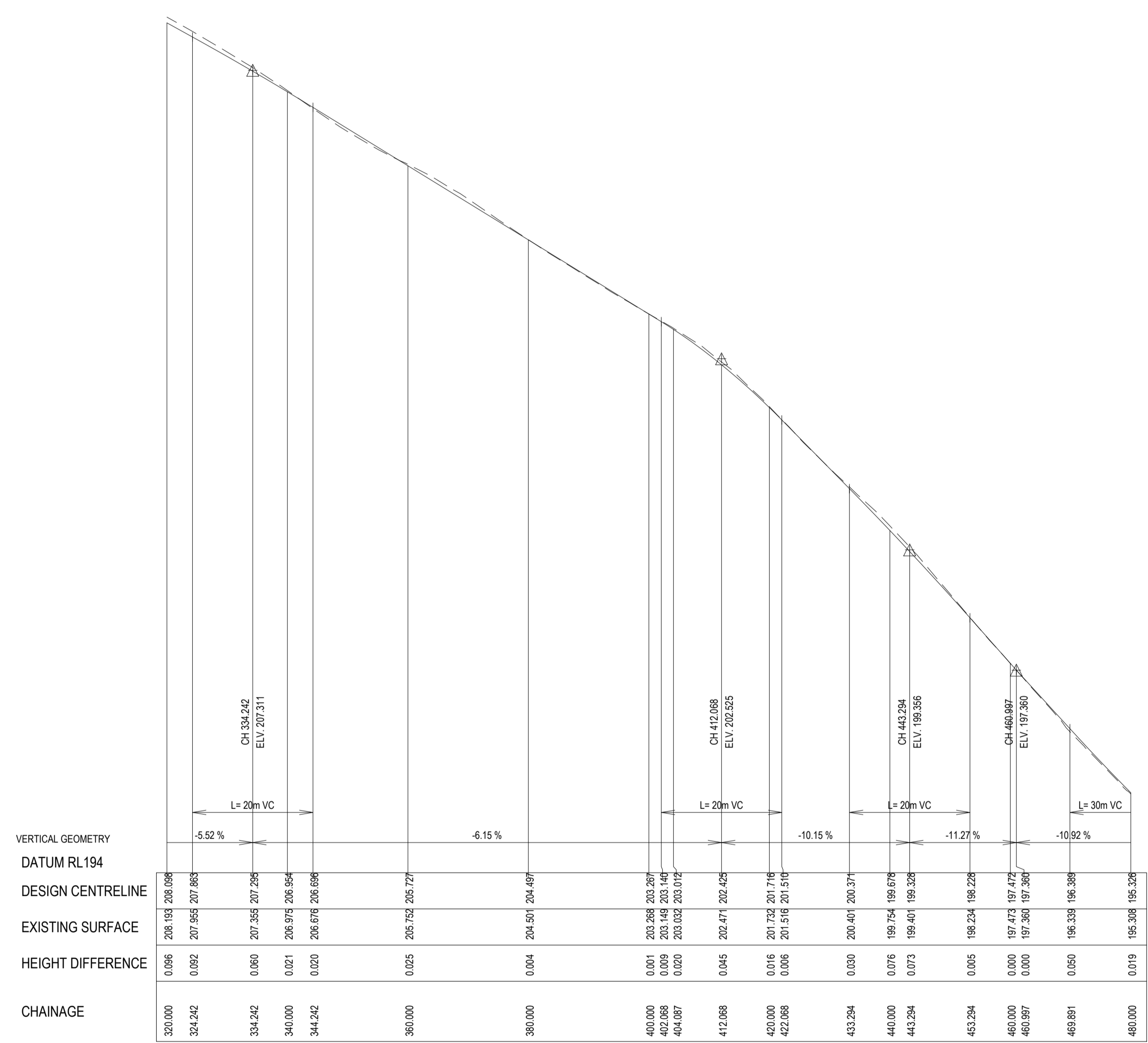
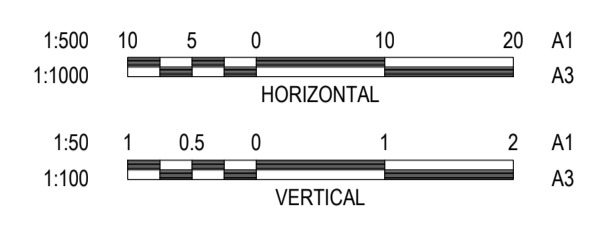


PROJECT  
SEALING THE HILLS  
COCKATOO  
BAKER-GLEN PACKAGE

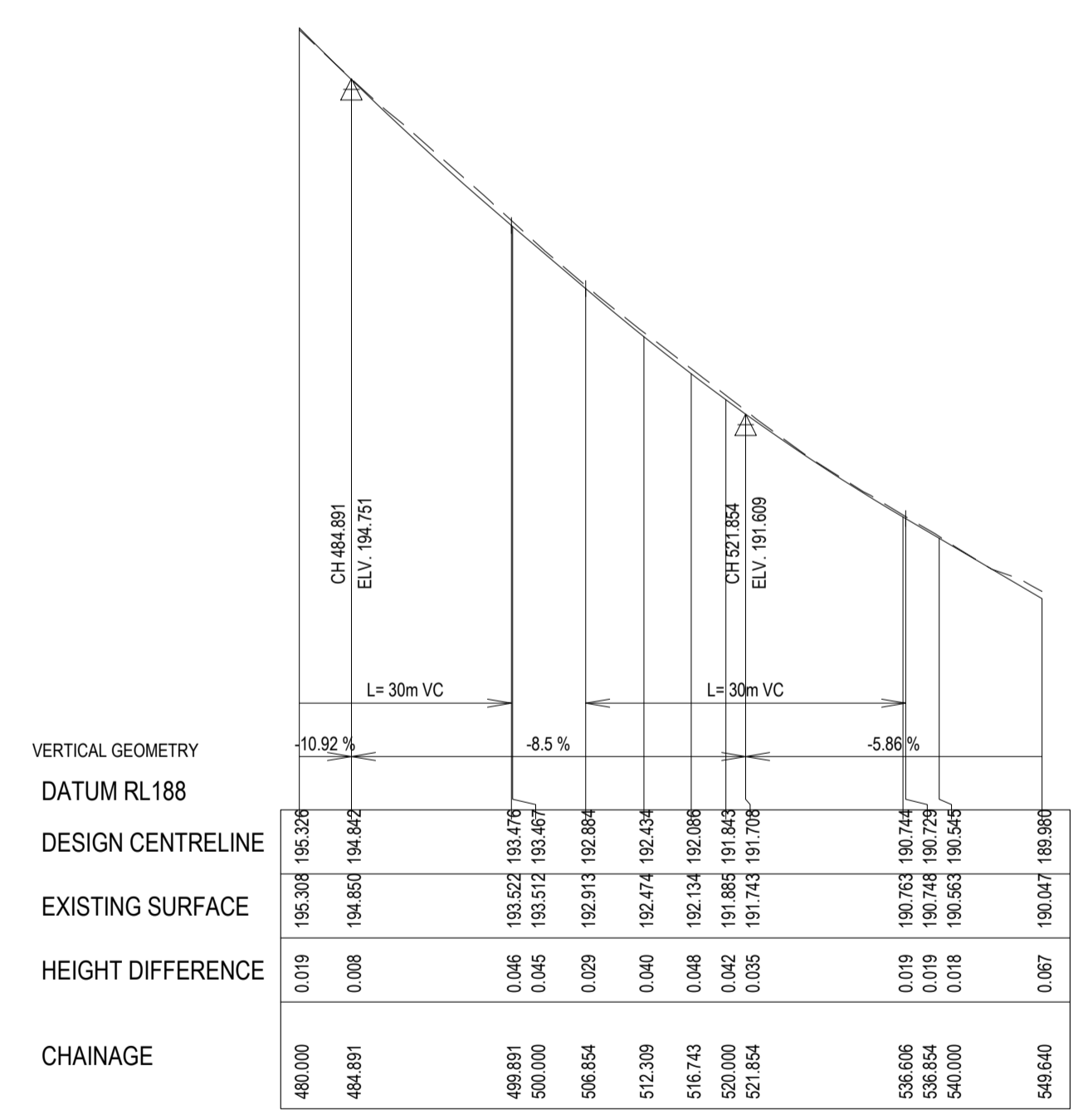
DRAWING TITLE  
ROAD LONGITUDINAL SECTIONS  
SHEET 1

STATUS  
**TENDER  
NOT FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	S.DEVGAN	M.RAHMAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	SEP 2021
PROJECT NO.	DRAWING NO.	REVISION
210152.1	R600	A



BAKER ST LONGITUDINAL SECTION



BAKER ST LONGITUDINAL SECTION

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
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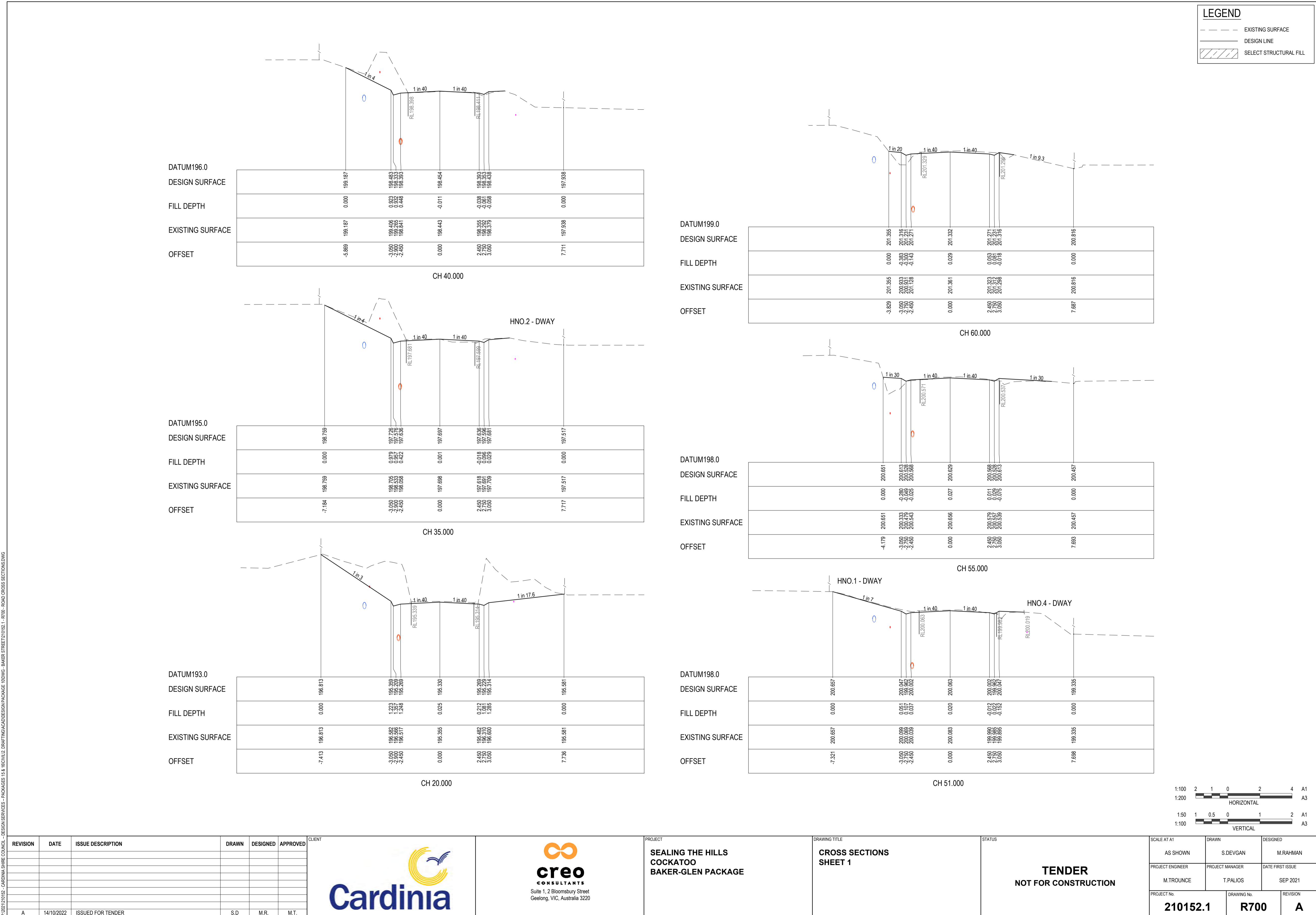


PROJECT  
SEALING THE HILLS  
COCKATOO  
BAKER-GLEN PACKAGE

DRAWING TITLE  
ROAD LONGITUDINAL SECTIONS  
SHEET 2

STATUS  
**TENDER  
NOT FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	S.DEVGAN	M.RAHMAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	SEP 2021
PROJECT No.	DRAWING No.	REVISION
<b>210152.1</b>	<b>R601</b>	<b>A</b>



P:\2021\20152 - DESIGN SERVICES - PACKAGES 1&6 - ROAD CROSS SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
A	14/10/2022	ISSUED FOR TENDER	S.D	M.R.	M.T.



Suite 1, 2 Bloomsbury Street  
Geelong, VIC, Australia 3220

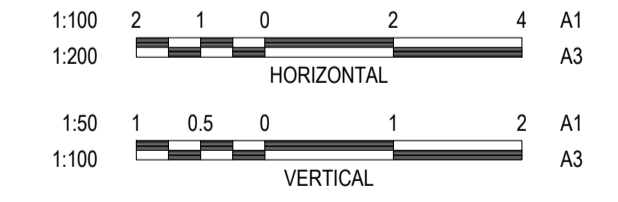
PROJECT  
**SEALING THE HILLS  
COCKATOO  
BAKER-GLEN PACKAGE**

DRAWING TITLE  
**CROSS SECTIONS  
SHEET 1**

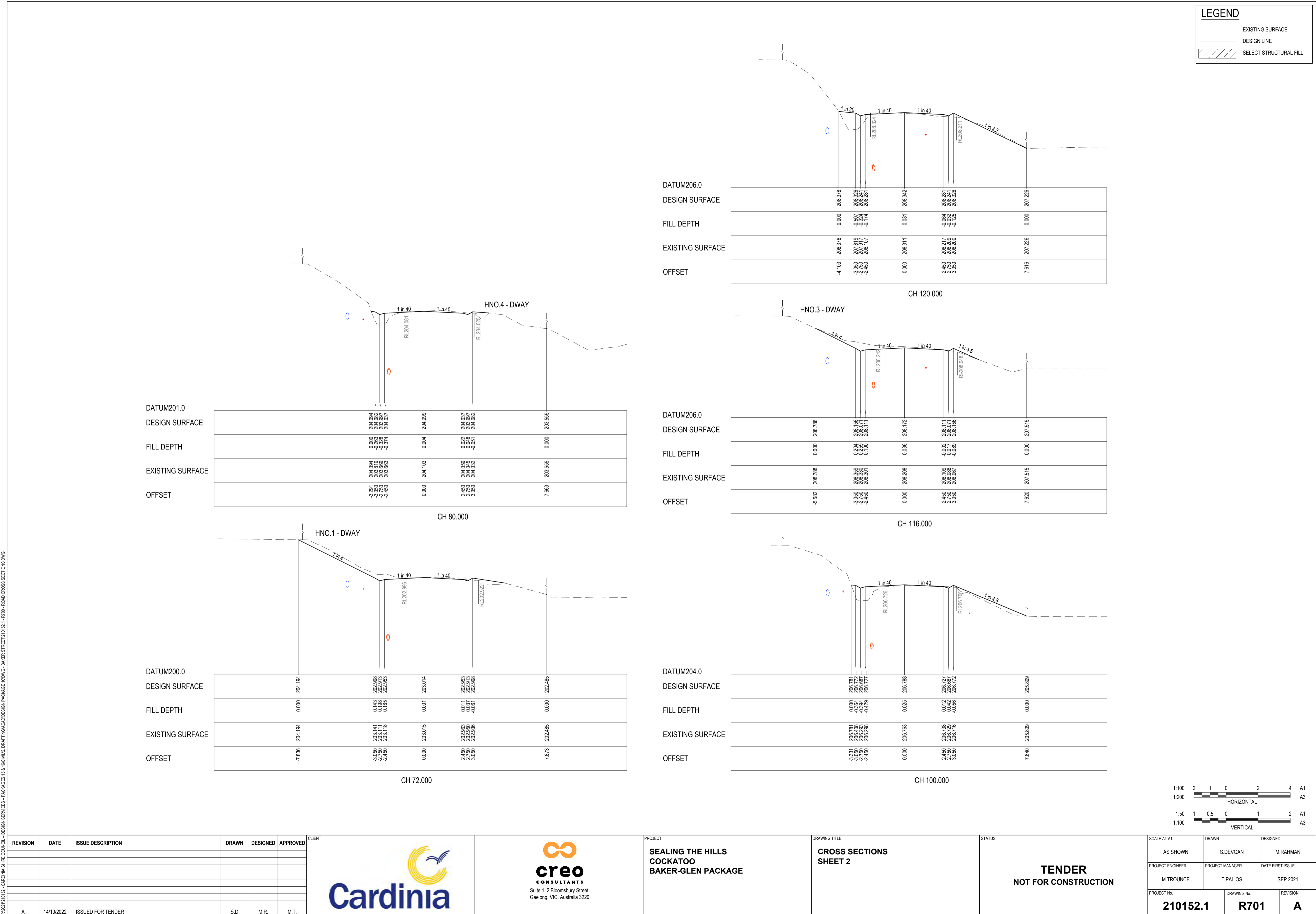
STATUS

**TENDER  
NOT FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	S.DEVGAN	M.RAHMAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	SEP 2021
PROJECT NO.	DRAWING NO.	REVISION
<b>210152.1</b>	<b>R700</b>	<b>A</b>



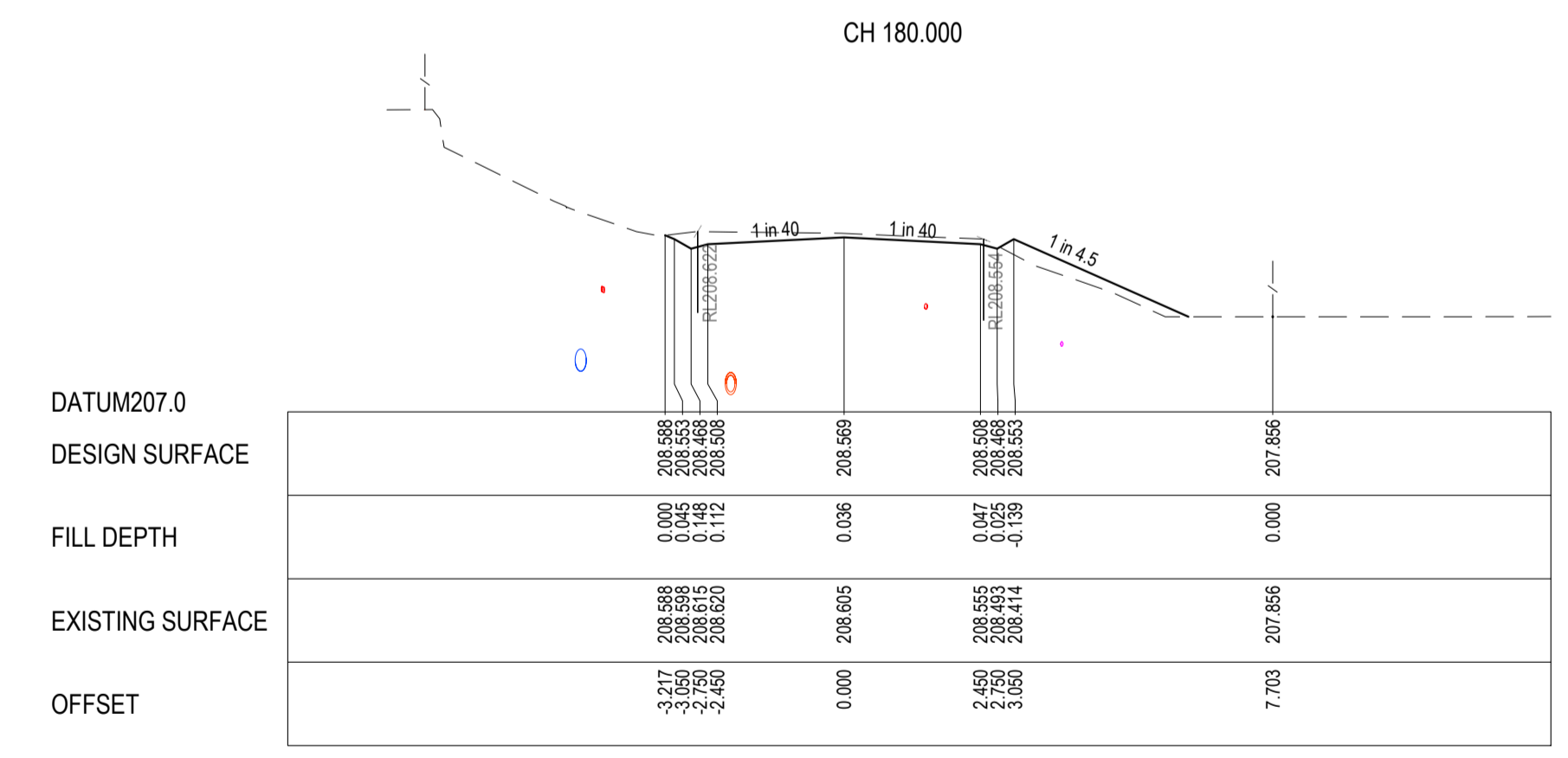
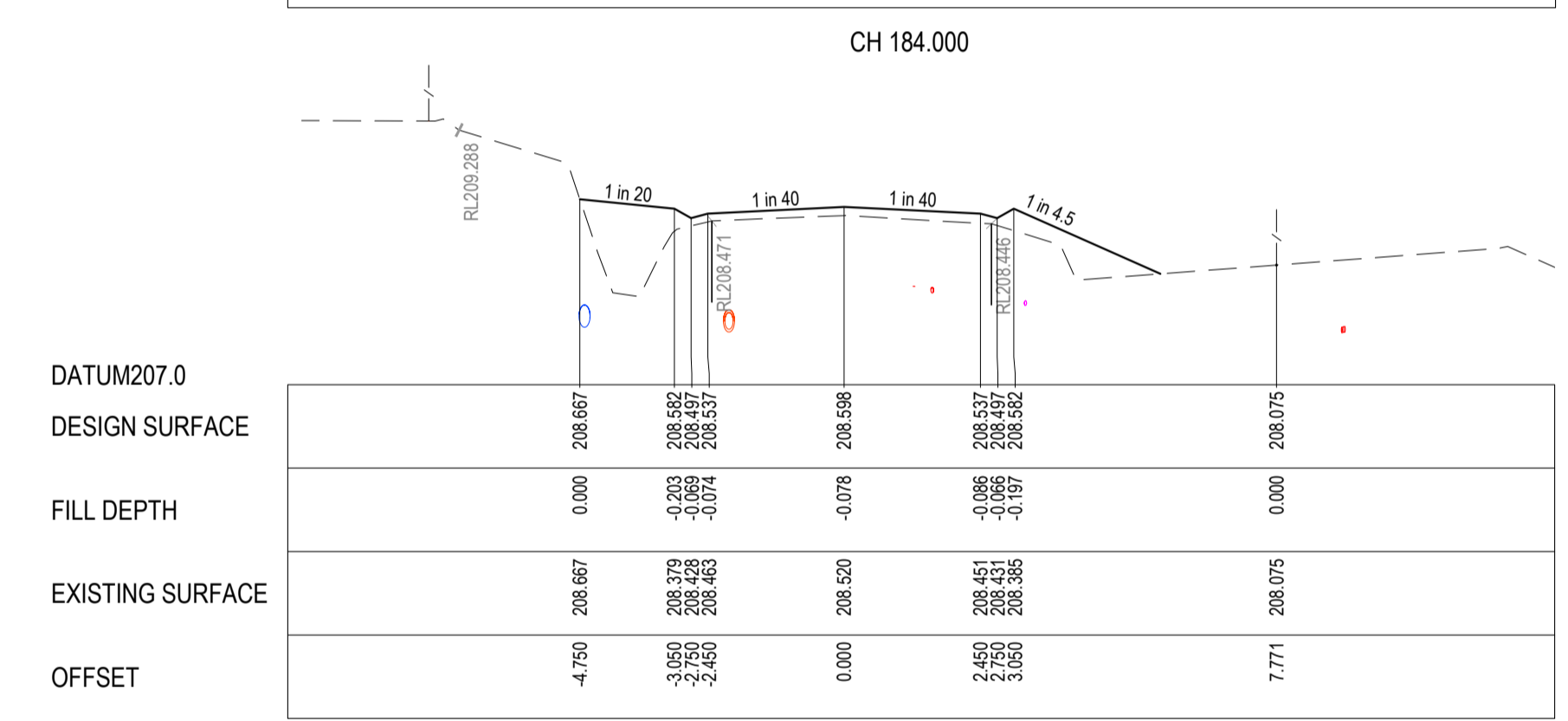
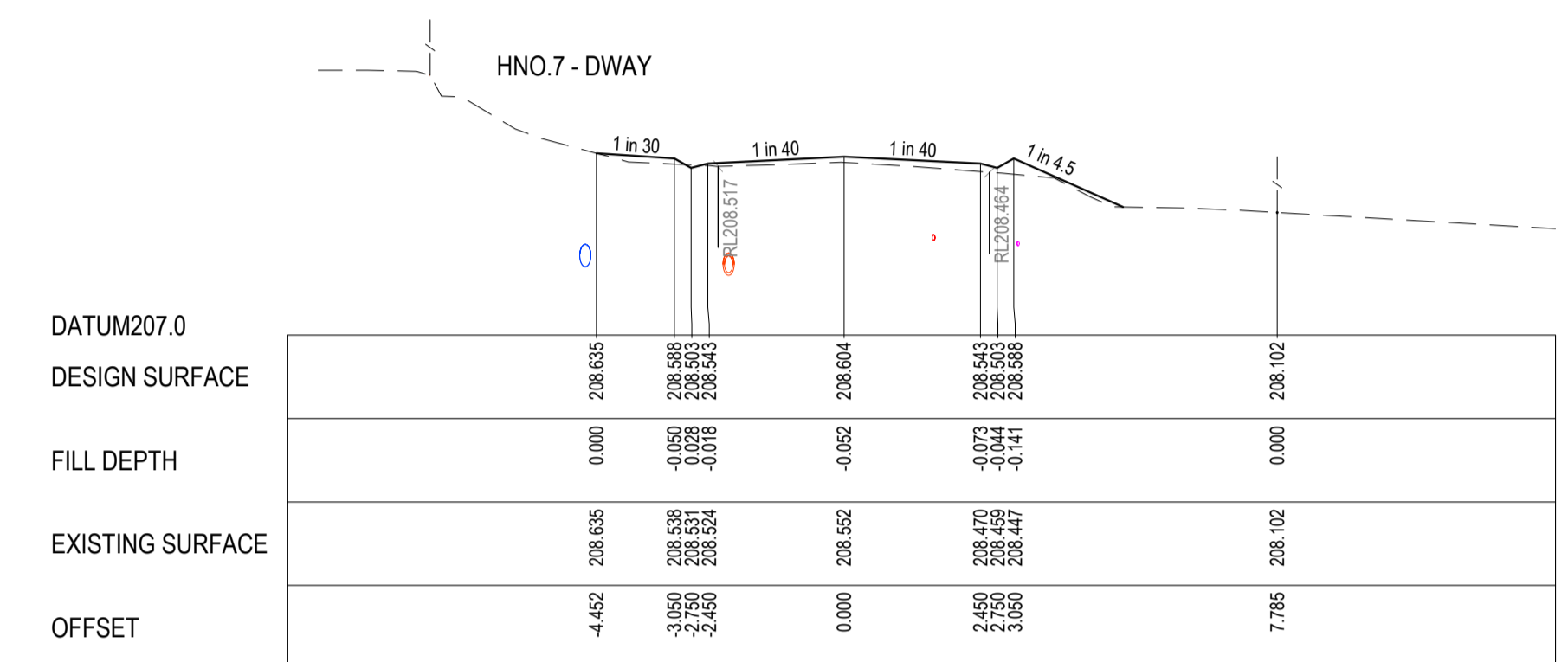
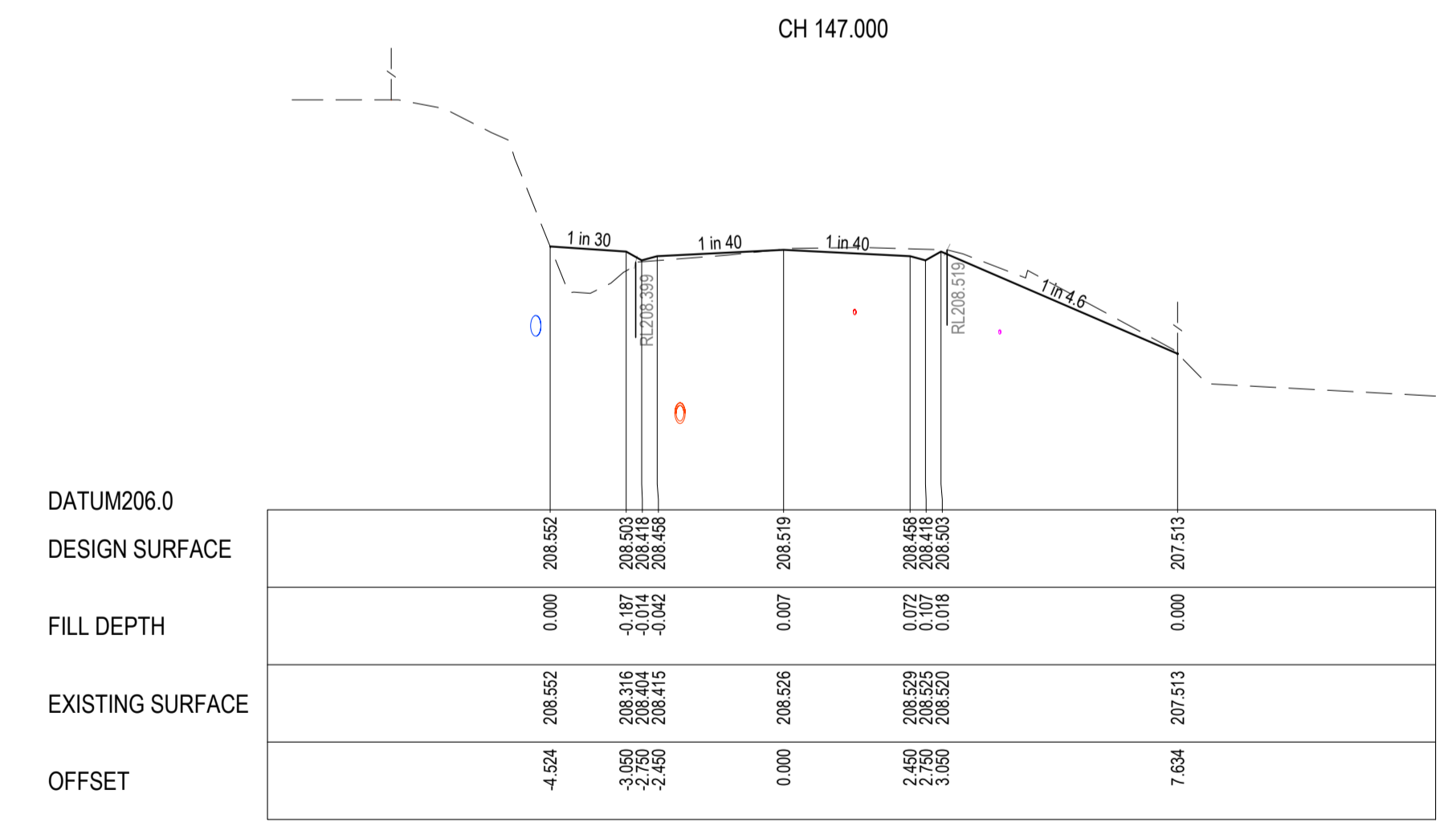
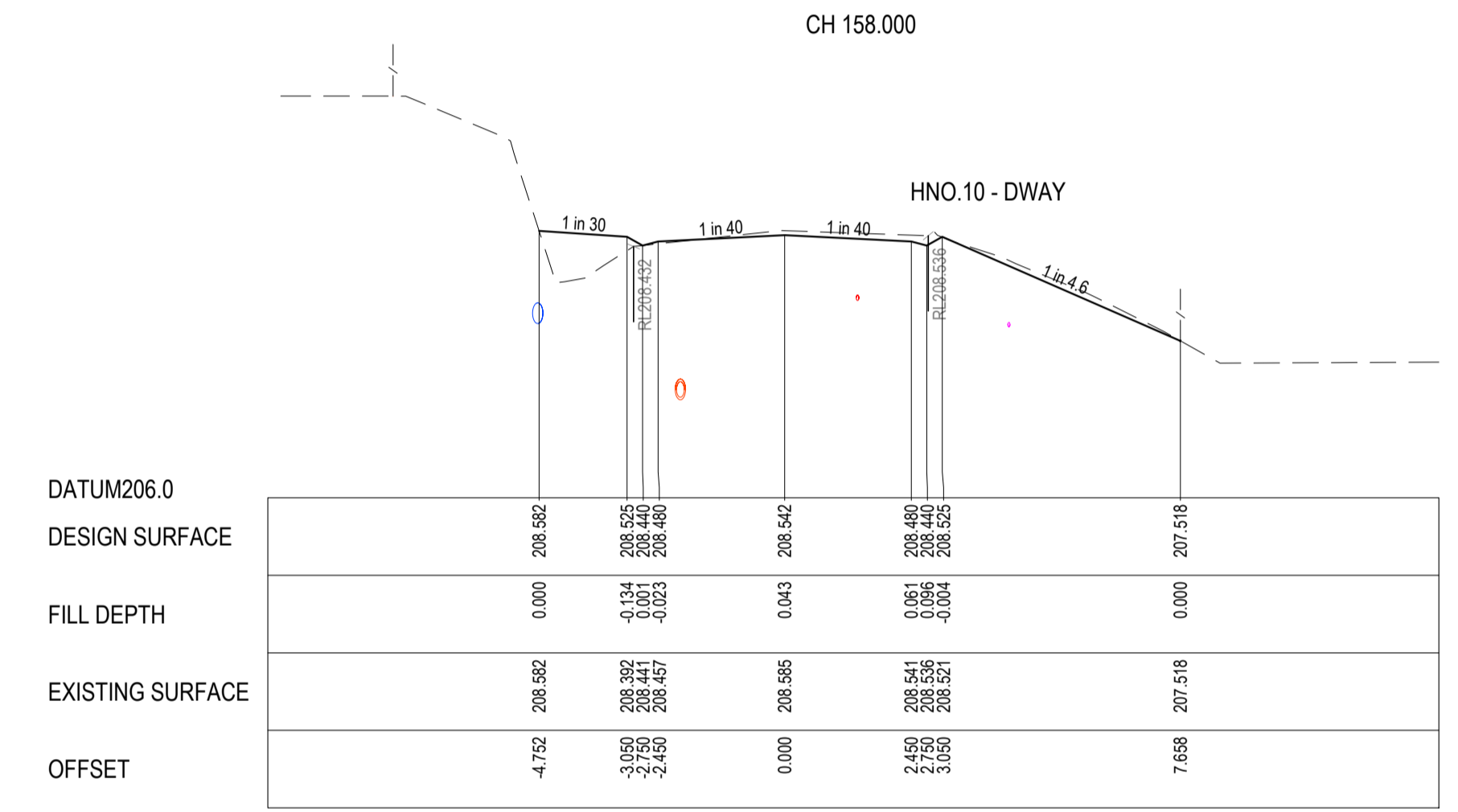
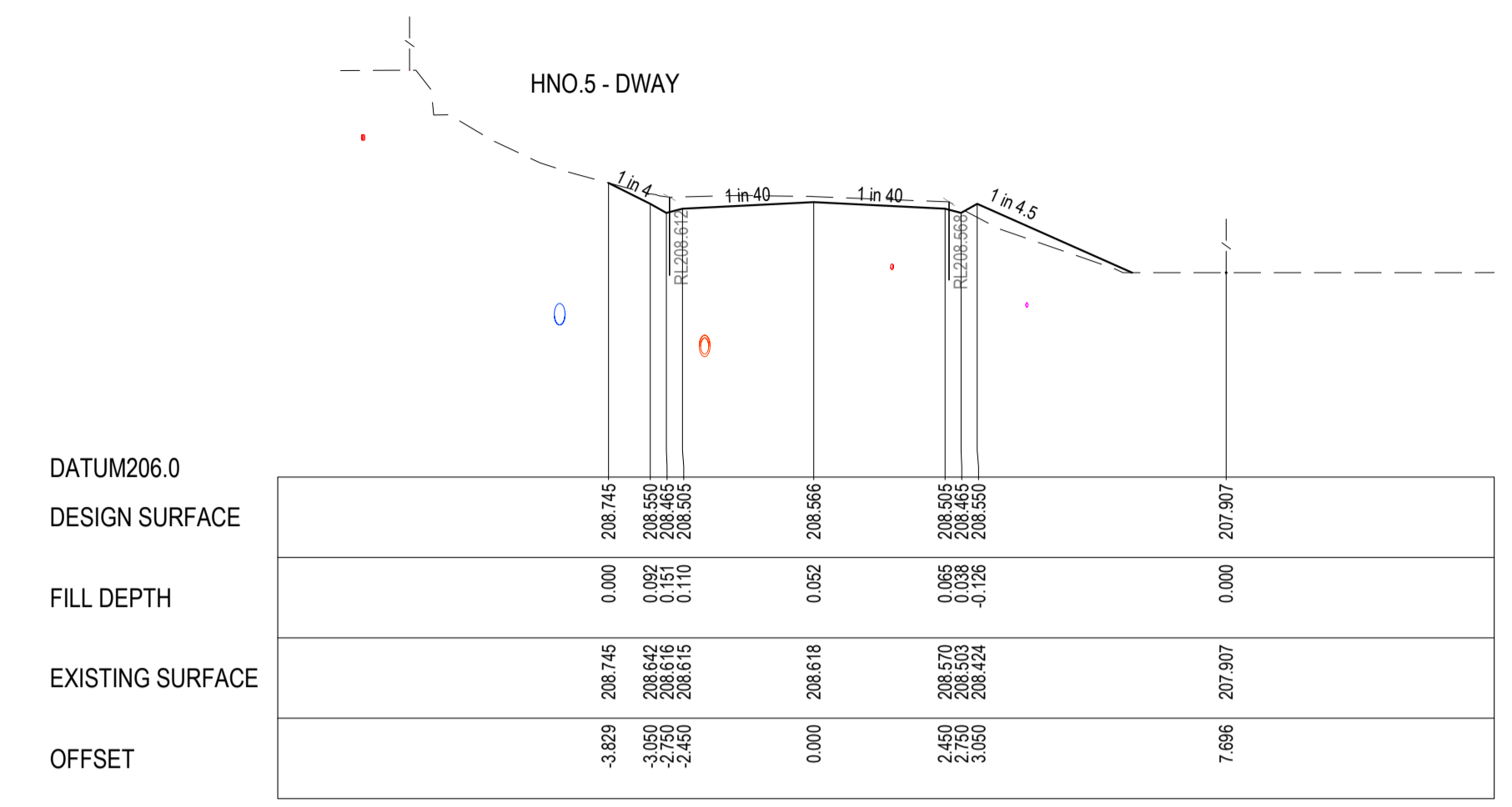
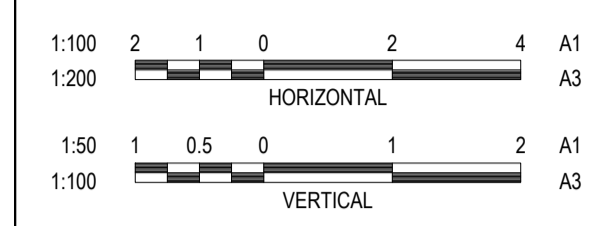




1:100 2 1 0 2 4 A1  
 1:200 ———— HORIZONTAL A3  
 1:50 1 0.5 0 1 2 A1  
 1:100 ———— VERTICAL A3

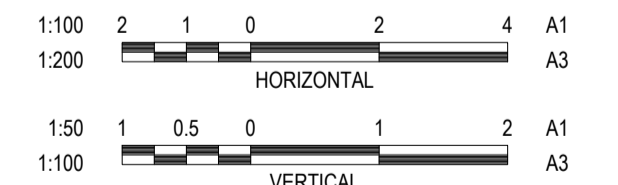
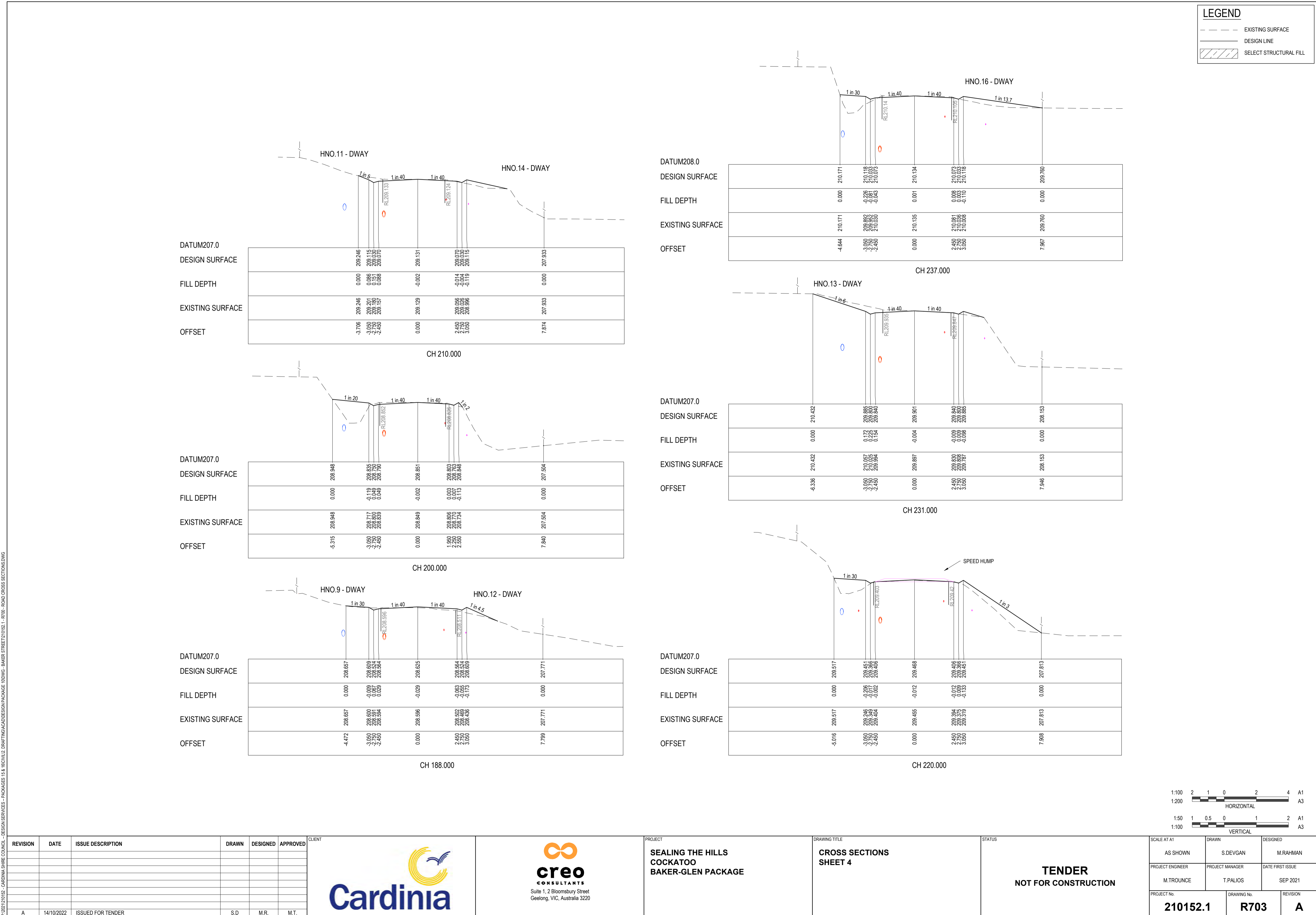
**LEGEND**

- EXISTING SURFACE
- DESIGN LINE
- SELECT STRUCTURAL FILL



P:\2021\0102 - CARDINIA SHIRE COUNCIL - DESIGN SERVICES - PACKAGES 14 & 15\0102 - BAKERTHOOD\DESIGN PACKAGE - BAKERTHOOD\0102 - R07 - ROAD CROSS SECTIONS.DWG

<b>REVISION</b>	<b>DATE</b>	<b>ISSUE DESCRIPTION</b>	<b>DRAWN</b>	<b>DESIGNED</b>	<b>APPROVED</b>	<b>CLIENT</b>	<b>PROJECT</b>	<b>DRAWING TITLE</b>	<b>STATUS</b>	<b>SCALE AT A1</b>	<b>DRAWN</b>	<b>DESIGNED</b>
						Suite 1, 2 Bloomsbury Street Geelong, VIC, Australia 3220	<b>SEALING THE HILLS COCKATOO BAKER-GLEN PACKAGE</b>	<b>CROSS SECTIONS SHEET 3</b>	<b>TENDER NOT FOR CONSTRUCTION</b>	AS SHOWN	S.DEVGAN	M.RAHMAN
A	14/10/2022	ISSUED FOR TENDER	S.D	M.R.	M.T.							
										PROJECT NO.	DRAWING NO.	REVISION
										210152.1	R702	A



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
A	14/10/2022	ISSUED FOR TENDER	S.D	M.R.	M.T.

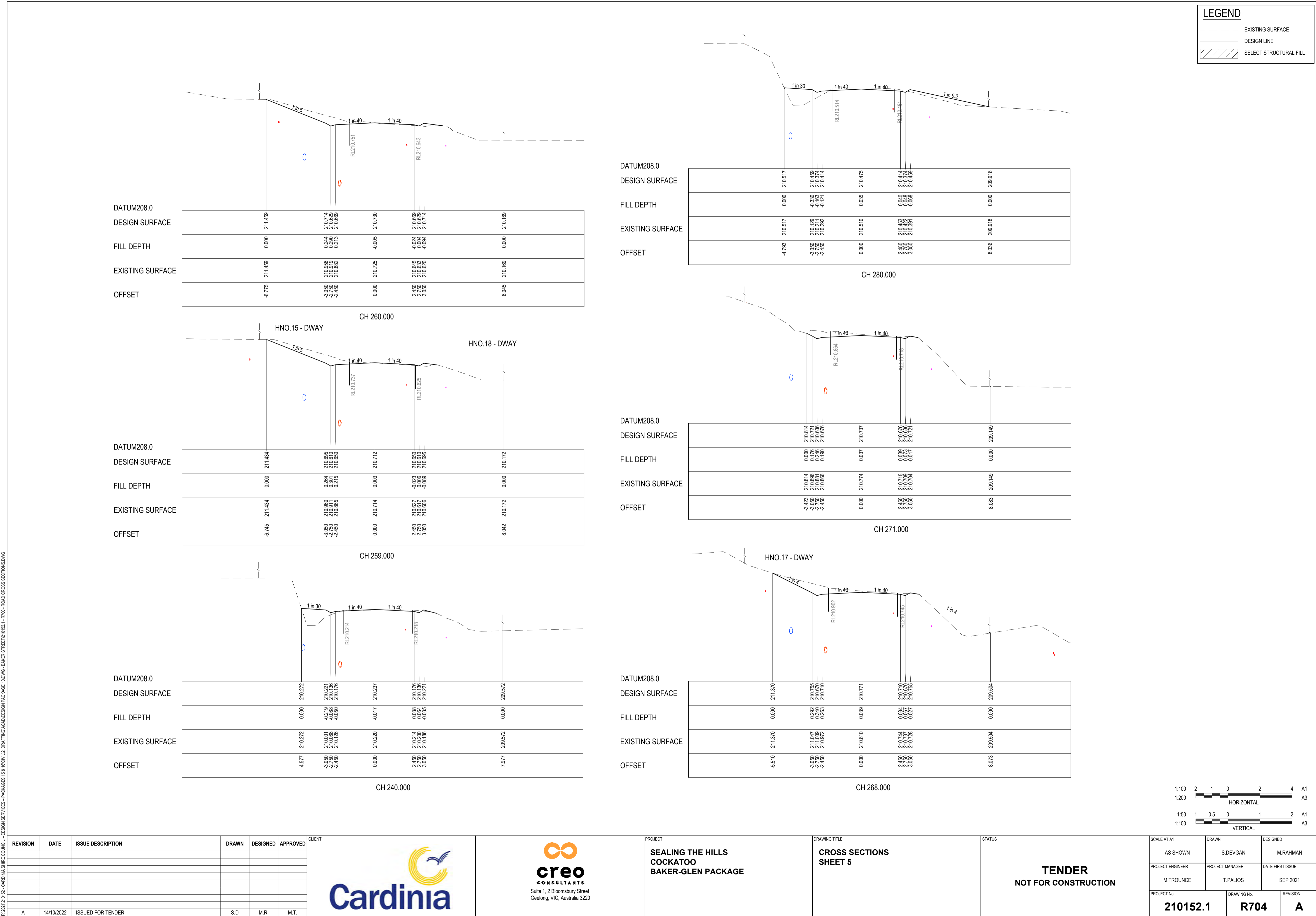


PROJECT  
**SEALING THE HILLS  
COCKATOO  
BAKER-GLEN PACKAGE**

DRAWING TITLE  
**CROSS SECTIONS  
SHEET 4**

STATUS  
**TENDER  
NOT FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	S.DEVGAN	M.RAHMAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	SEP 2021
PROJECT No.	DRAWING No.	REVISION
<b>210152.1</b>	<b>R703</b>	<b>A</b>



P:\2021\0152\_CARDINIA SHIRE COUNCIL - DESIGN SERVICES - PACKAGES 14 & 15\0152\_DRAWINGS\DESIGN PACKAGE 14\ROAD CROSS SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT
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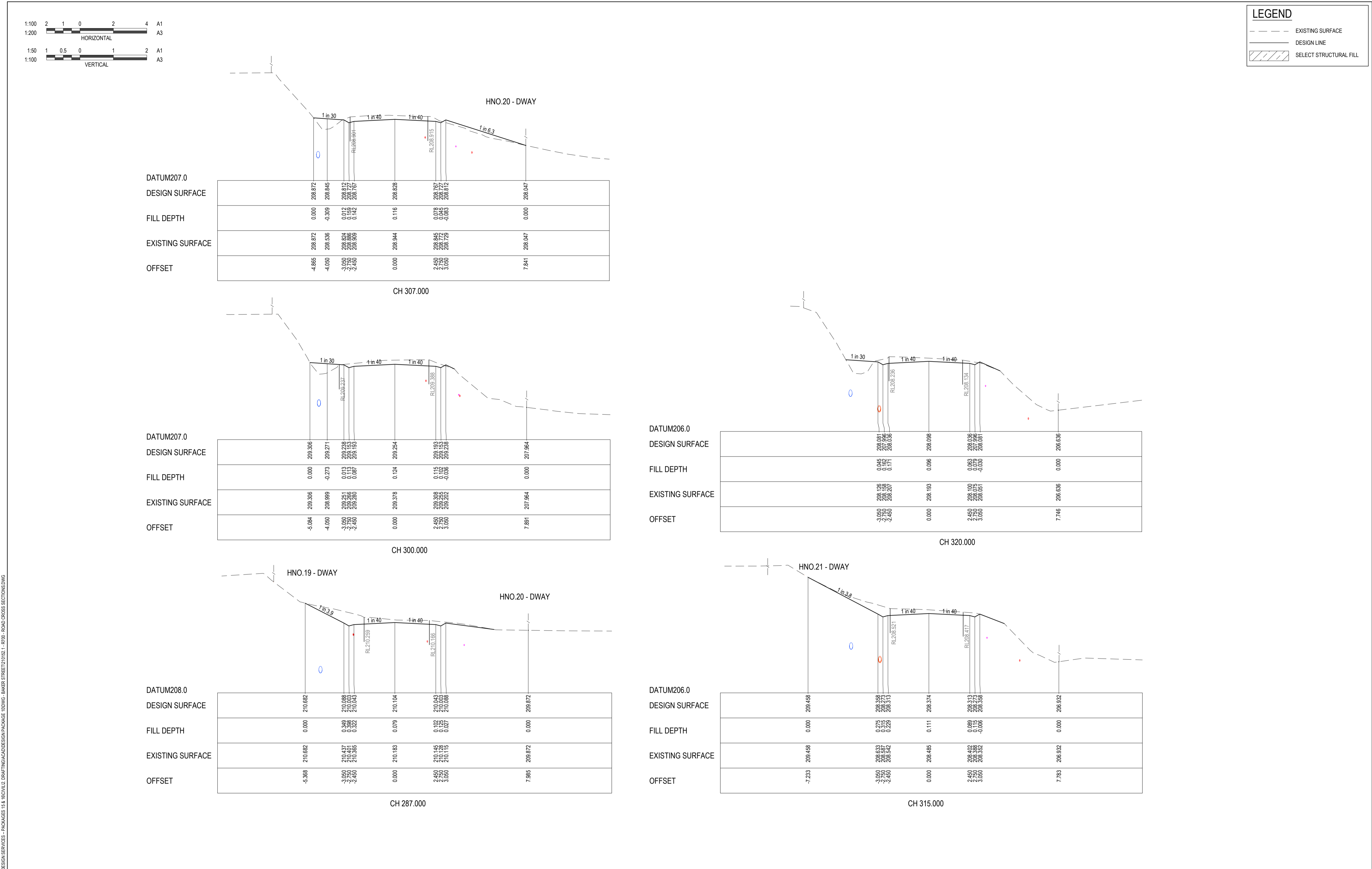


**PROJECT**  
SEALING THE HILLS  
COCKATOO  
BAKER-GLEN PACKAGE

**DRAWING TITLE**  
CROSS SECTIONS  
SHEET 5

**STATUS**  
**TENDER  
NOT FOR CONSTRUCTION**

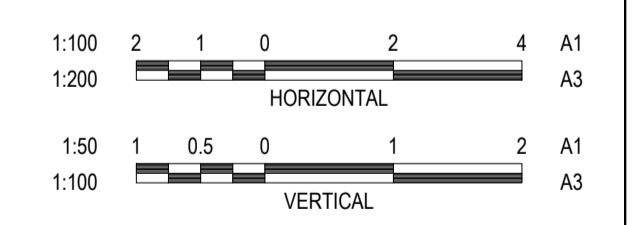
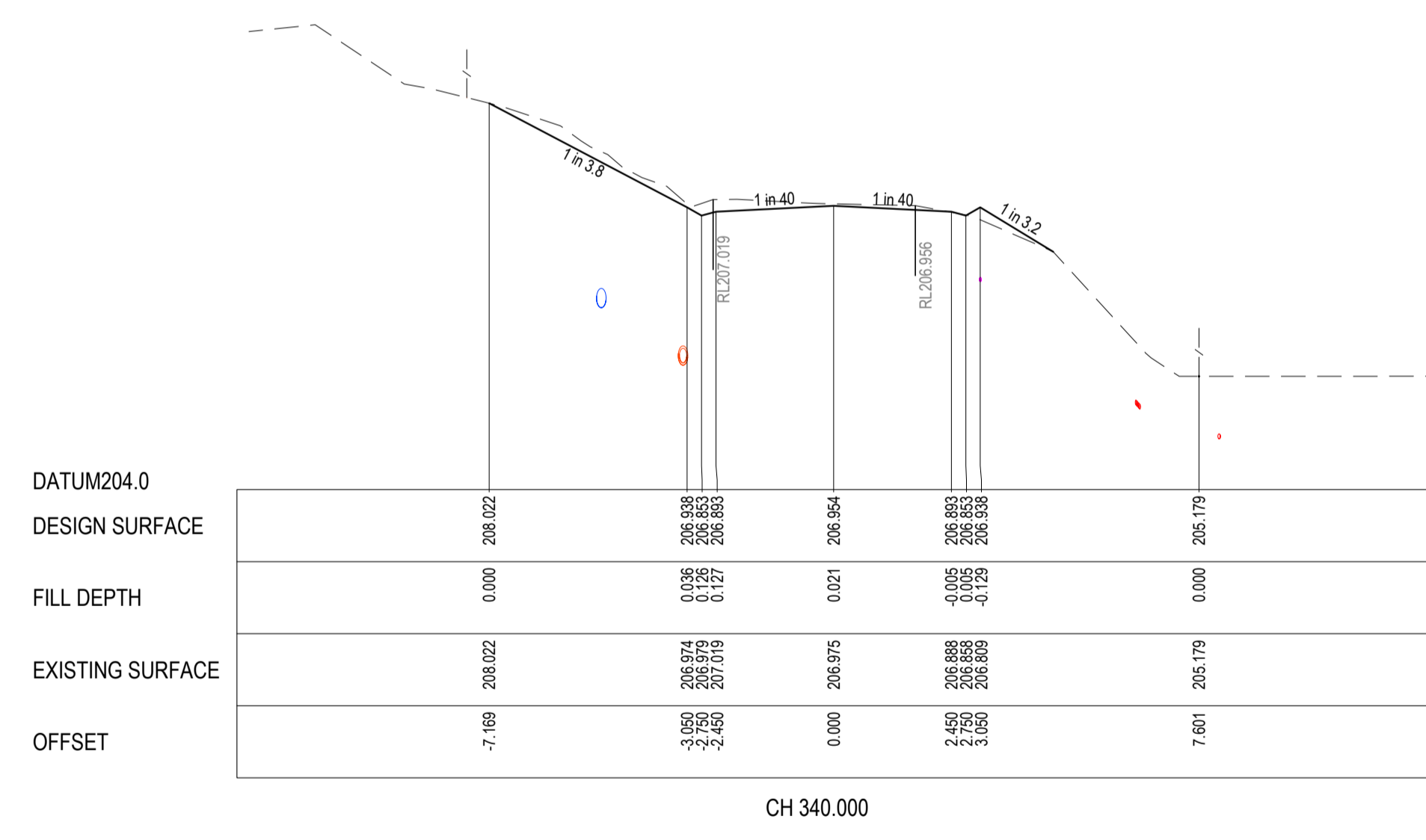
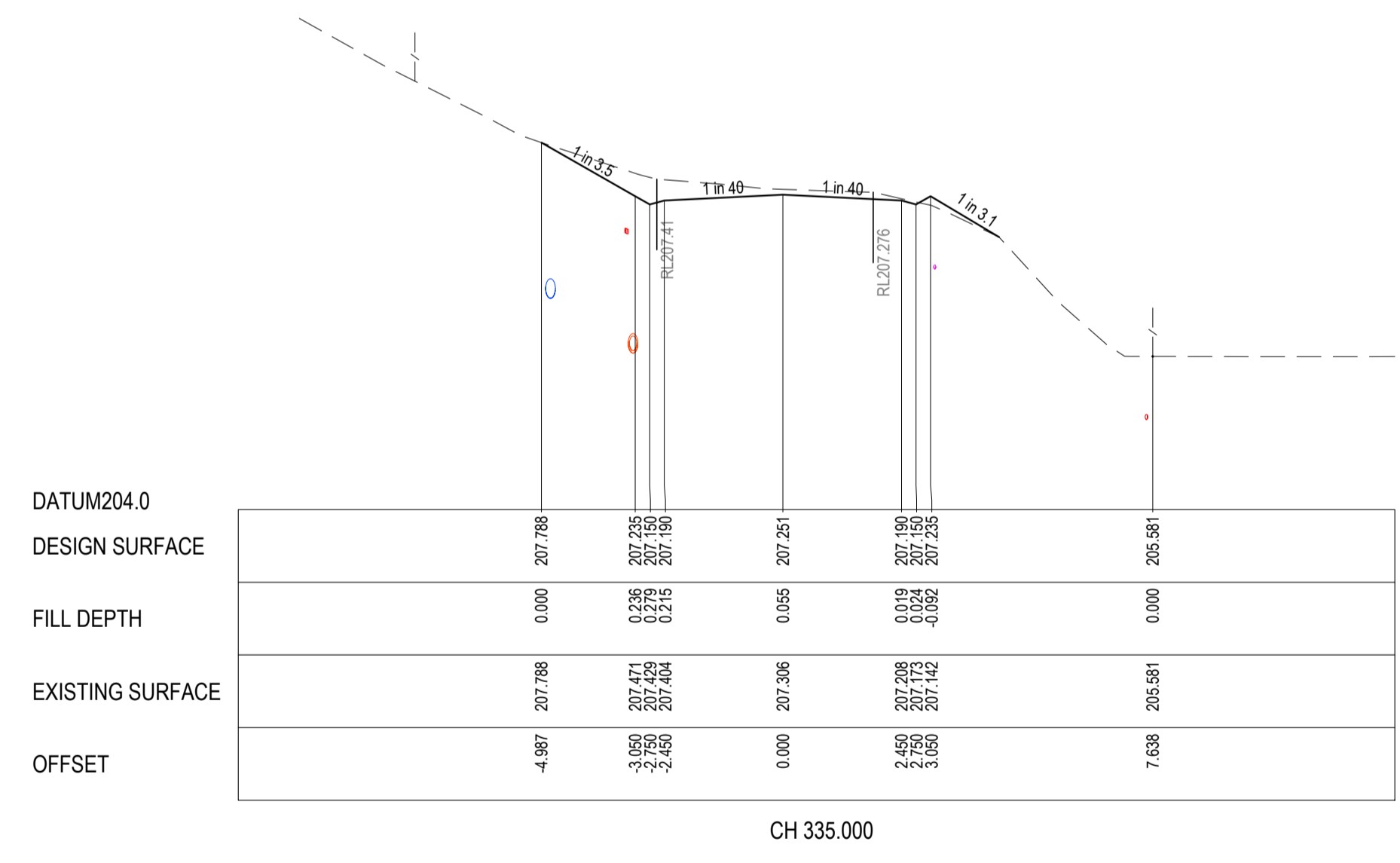
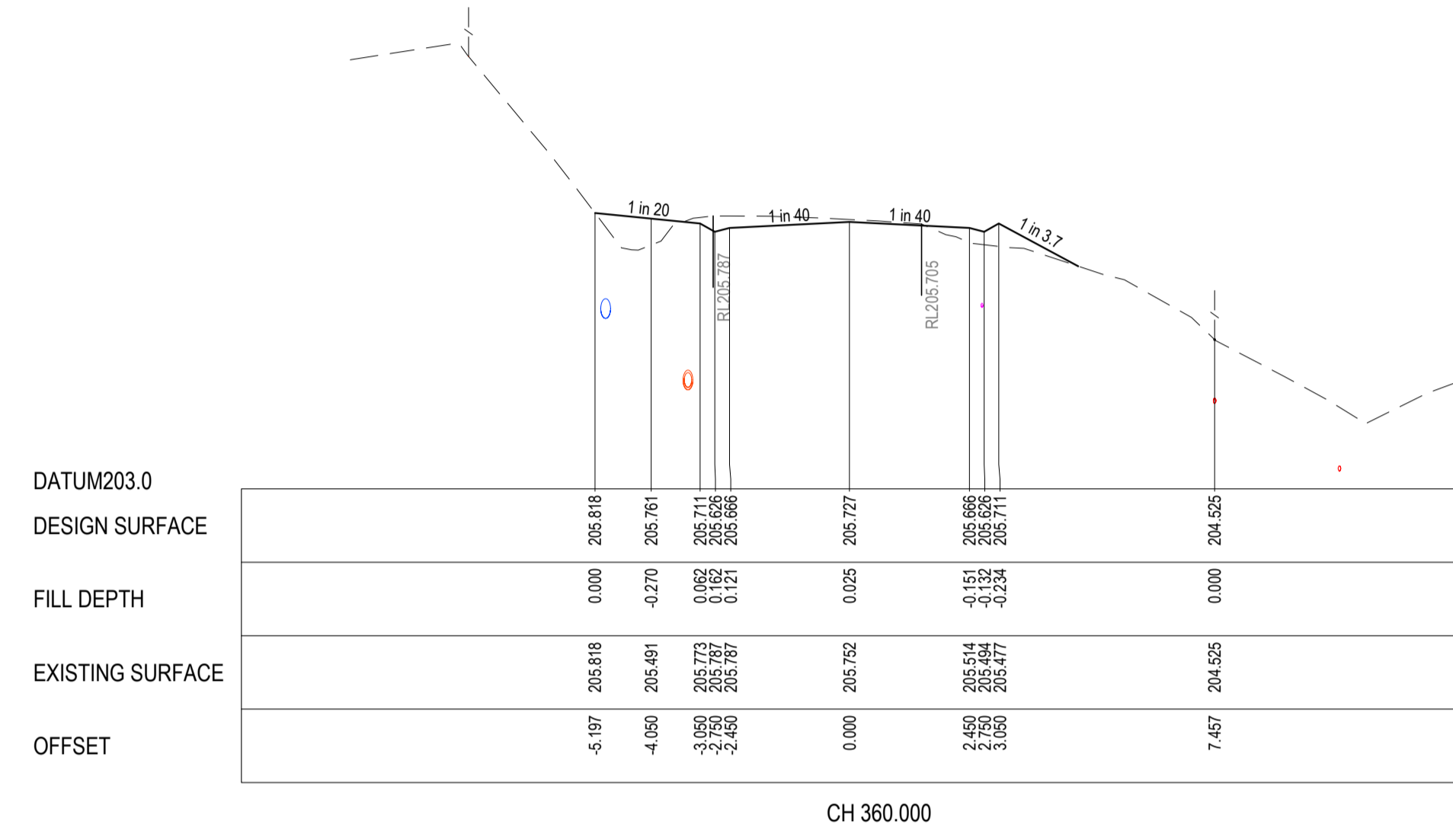
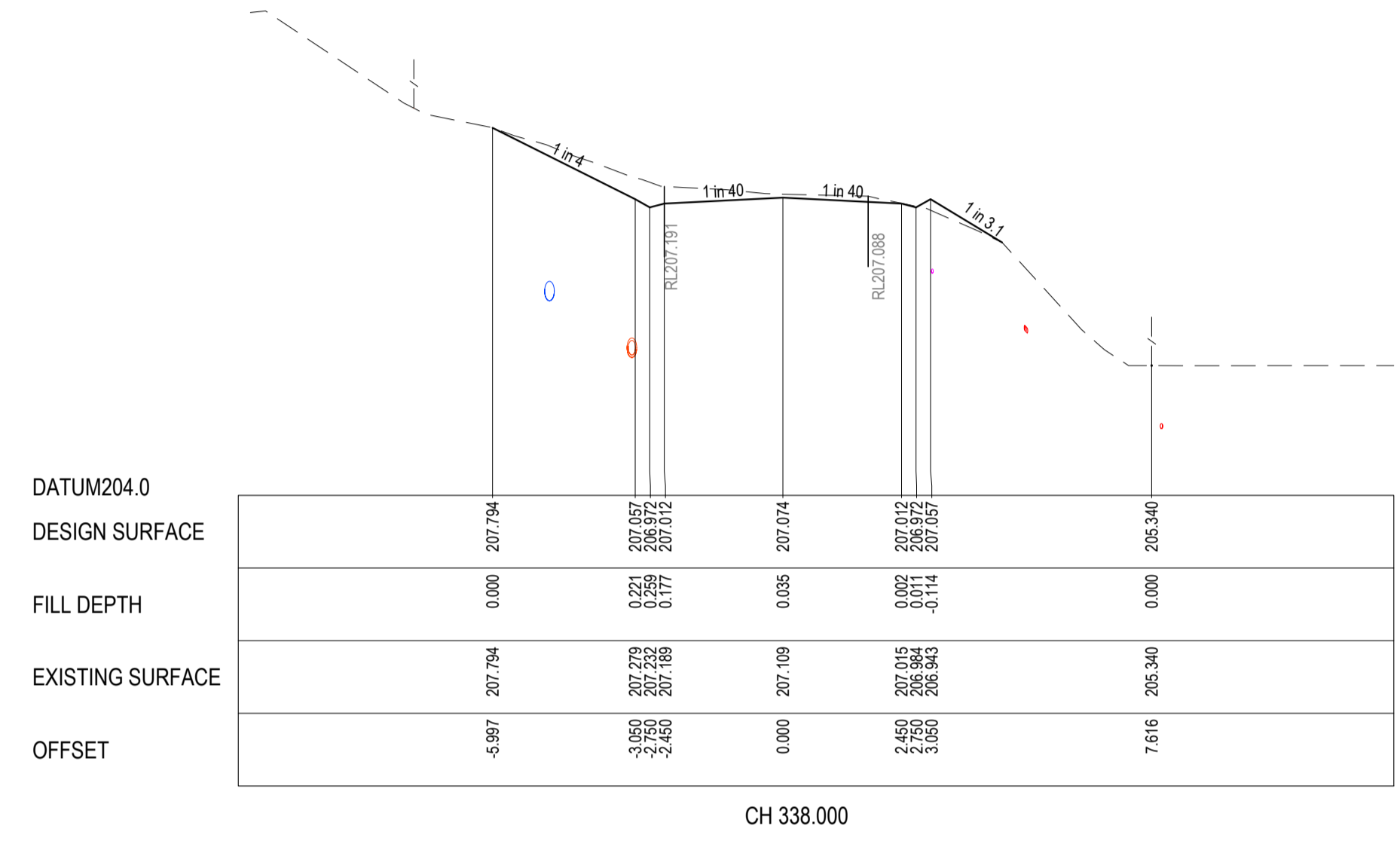
SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	S.DEVGAN	M.RAHMAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	SEP 2021
PROJECT NO.	DRAWING NO.	REVISION
<b>210152.1</b>	<b>R704</b>	<b>A</b>



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED
A	14/10/2022	ISSUED FOR TENDER	S.D	M.R.	M.T.		 Suite 1, 2 Bloomsbury Street Geelong, VIC, Australia 3220	SEALING THE HILLS COCKATOO BAKER-GLEN PACKAGE  CROSS SECTIONS SHEET 6	TENDER NOT FOR CONSTRUCTION	AS SHOWN	S.DEVGAN	M.RAHMAN
										PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
										M.TROUNCE	T.PALIOS	SEP 2021
										PROJECT No.	DRAWING No.	REVISION
										210152.1	R705	A

**LEGEND**

- EXISTING SURFACE
- DESIGN LINE
- SELECT STRUCTURAL FILL



P:\2021\0152\_CARDINIA SHIRE COUNCIL - DESIGN SERVICES - PACKAGES 14 & 15\0152\_DRAWING\0152\_1\_R706\_ROAD CROSS SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
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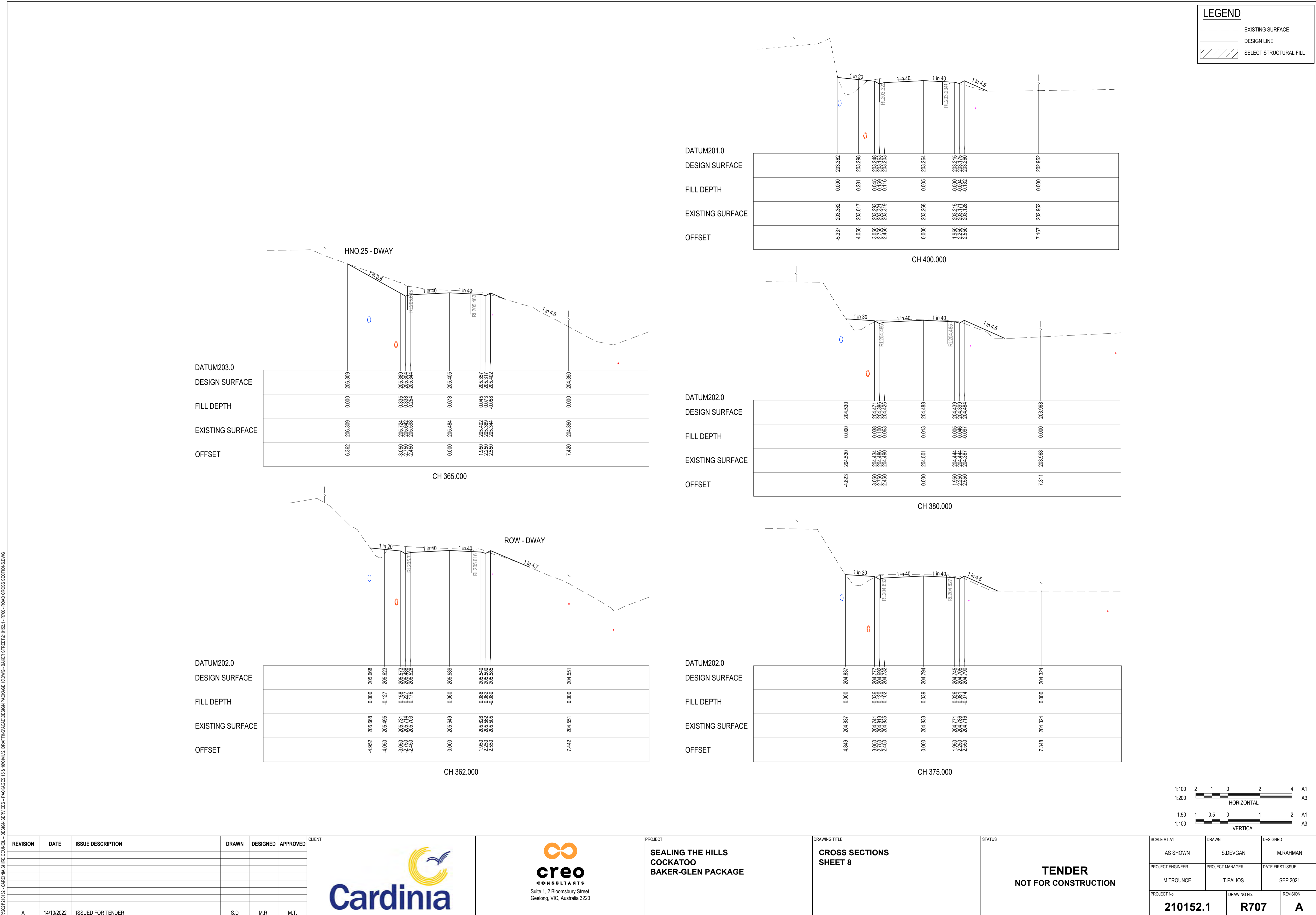


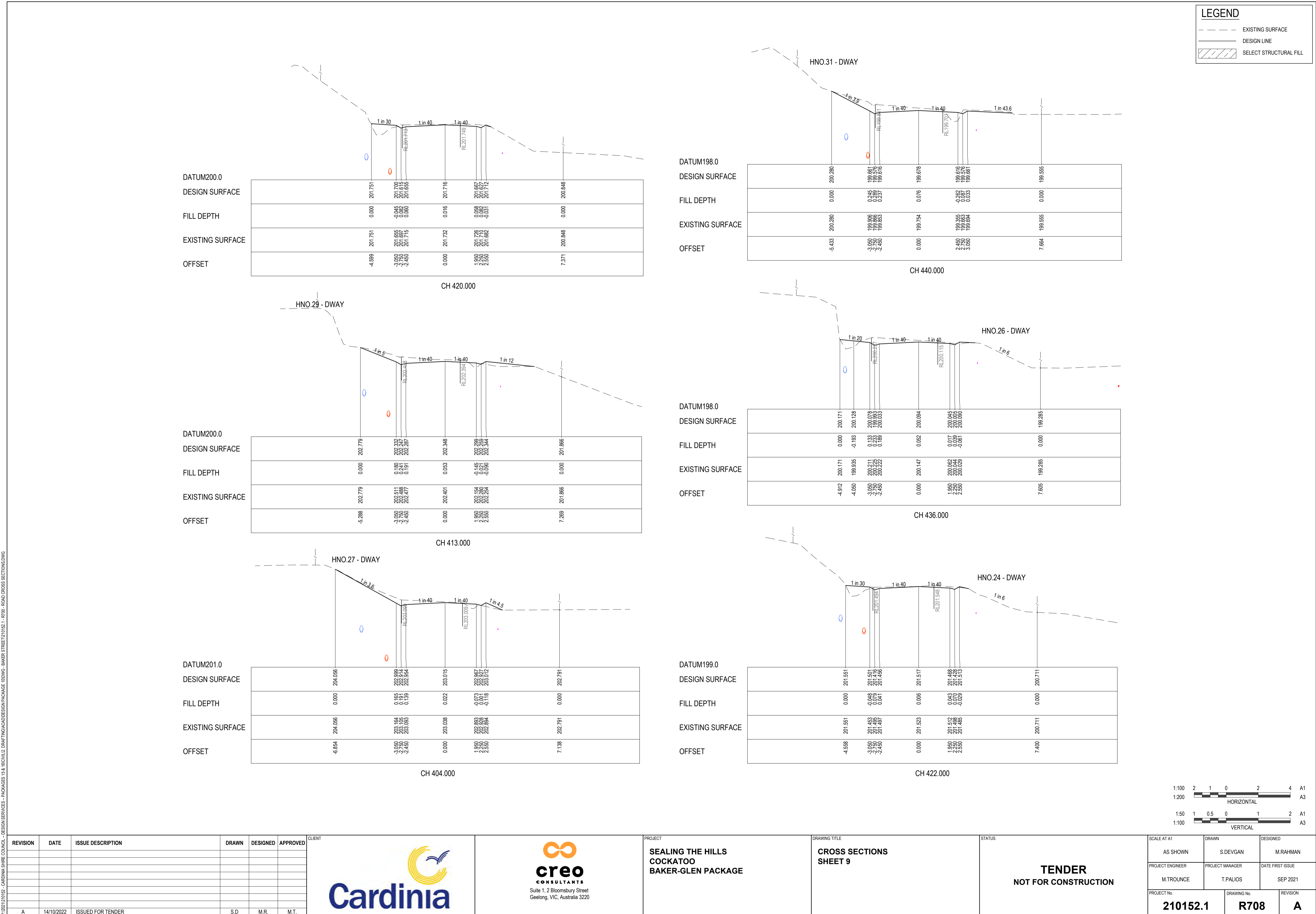
**PROJECT**  
SEALING THE HILLS  
COCKATOO  
BAKER-GLEN PACKAGE

**DRAWING TITLE**  
CROSS SECTIONS  
SHEET 7

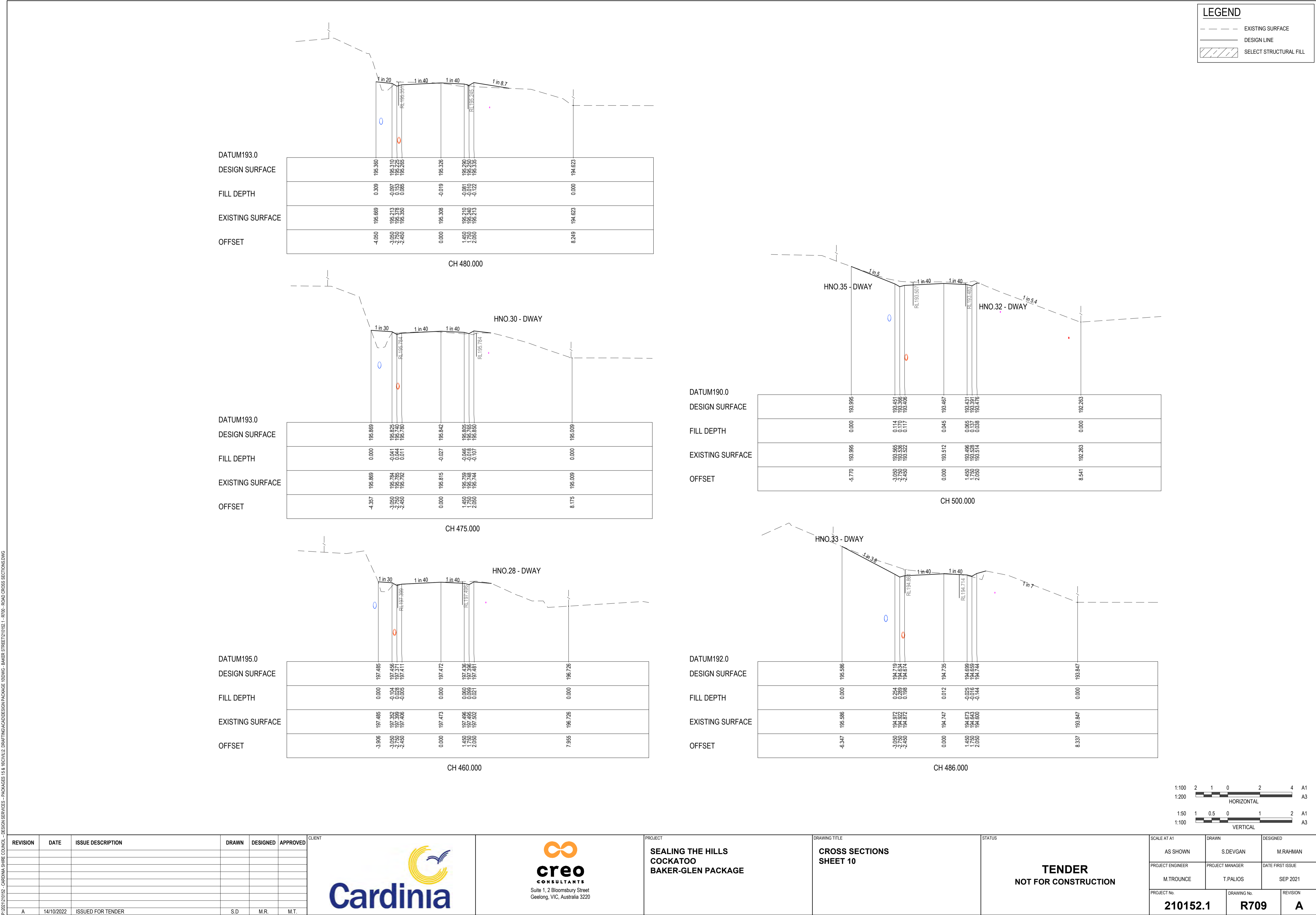
**STATUS**  
**TENDER  
NOT FOR CONSTRUCTION**

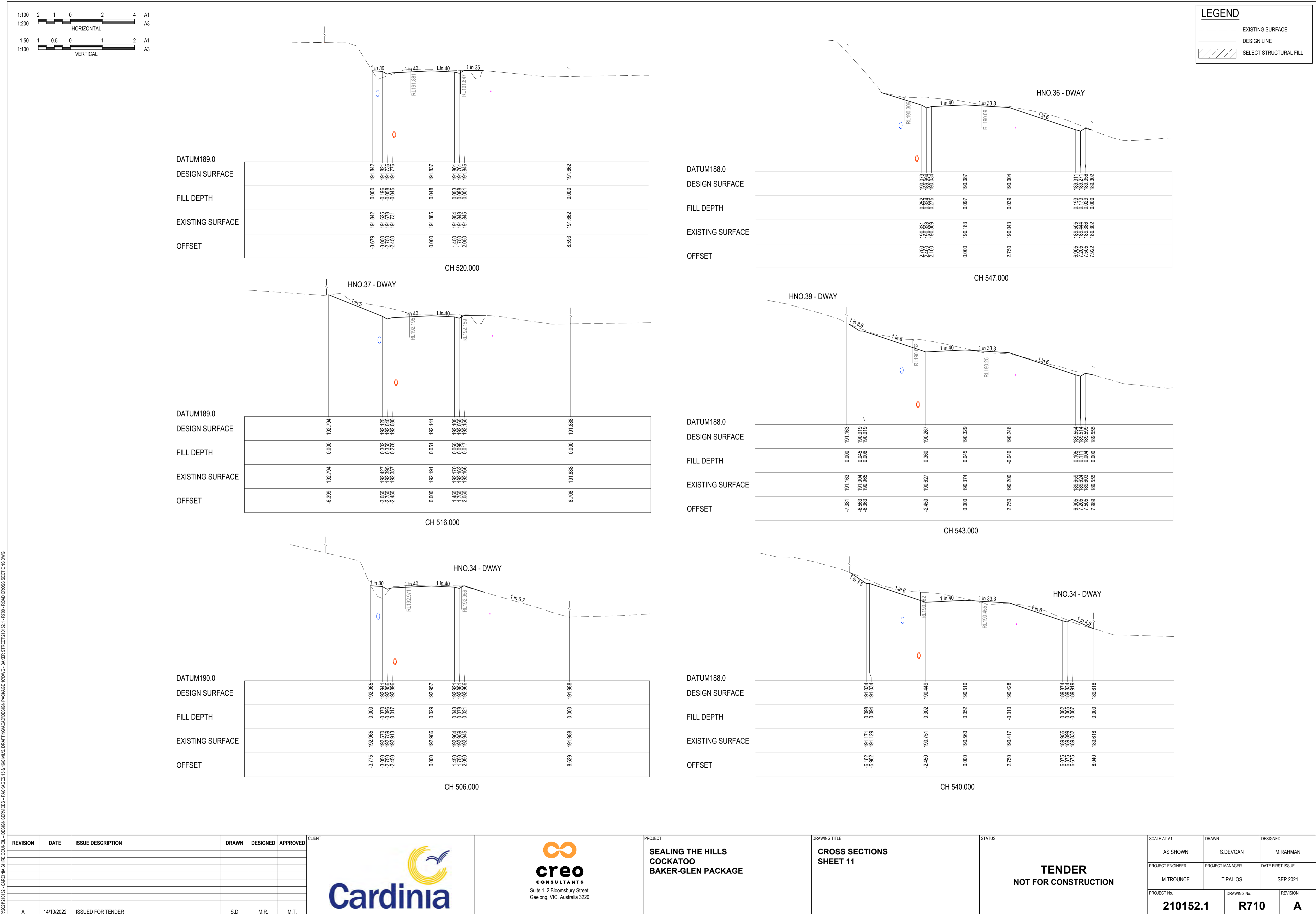
SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	S.DEVGAN	M.RAHMAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	SEP 2021
PROJECT No.	DRAWING No.	REVISION
<b>210152.1</b>	<b>R706</b>	<b>A</b>







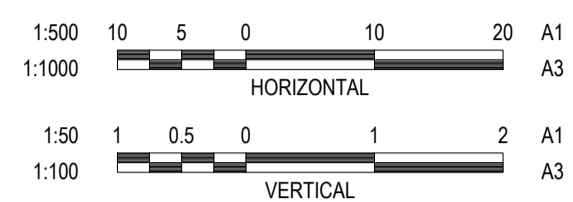




REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED	
A	14/10/2022	ISSUED FOR TENDER	S.D	M.R.	M.T.		 Suite 1, 2 Bloomersbury Street Geelong, VIC, Australia 3220	SEALING THE HILLS COCKATOO BAKER-GLEN PACKAGE	CROSS SECTIONS SHEET 11	TENDER NOT FOR CONSTRUCTION	AS SHOWN	S.DEVGAN	M.RAHMAN
										PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE	
										M.TROUNCE	T.PALIOS	SEP 2021	
										PROJECT NO.	DRAWING NO.	REVISION	
										210152.1	R710	A	

- NOTES**
- PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm NOM. SIZE CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 98% MODIFIED RELATIVE COMPACTION IN 150mm THICK LAYER FOR THE FOLLOWING:
    - BENEATH DRIVEWAY CROSSOVERS TO THE UNDERSIDE OF THE PAVEMENT OR CROSSOVER.
    - ADJACENT TO KERBING OR CONCRETE WORKS TO A LEVEL THAT IS NOT AFFECTED BY A 45 DEGREE ANGLE OF REPOSE FROM NEAR THE LOWER EDGE.
  - ALL PIPES UNDER ROADS SHALL BE BACKFILLED WITH 2% STABILISED SAND TO SPRINGLINE ABOVE THIS POINT. PROVIDE 20mm NOMINAL SIZE CLASS 3 FINE CRUSHED ROCK (WETMIX) COMPACTED TO 98% MODIFIED COMPACTION IN 150mm MAXIMUM LAYER.
  - ALL DRAINAGE PIPES TO BE SPIGOT-SOCKET RUBBER RING JOINTED (RRJ).
  - ALL DRAINAGE PIPES SHALL BE CLASS 2 RCP, UNLESS OTHERWISE NOTED.
  - WHERE PITS DROP LESS THAN 50mm, THE PIT FLOOR MUST BE SHAPED TO MATCH THE LOWER HALF OF THE PIPE.
  - ALL SPLAYED SECTIONS OF PIPE ARE TO BE BACKFILLED WITH 2% STABILISED SAND, 300mm ABOVE TOP OF PIPE.

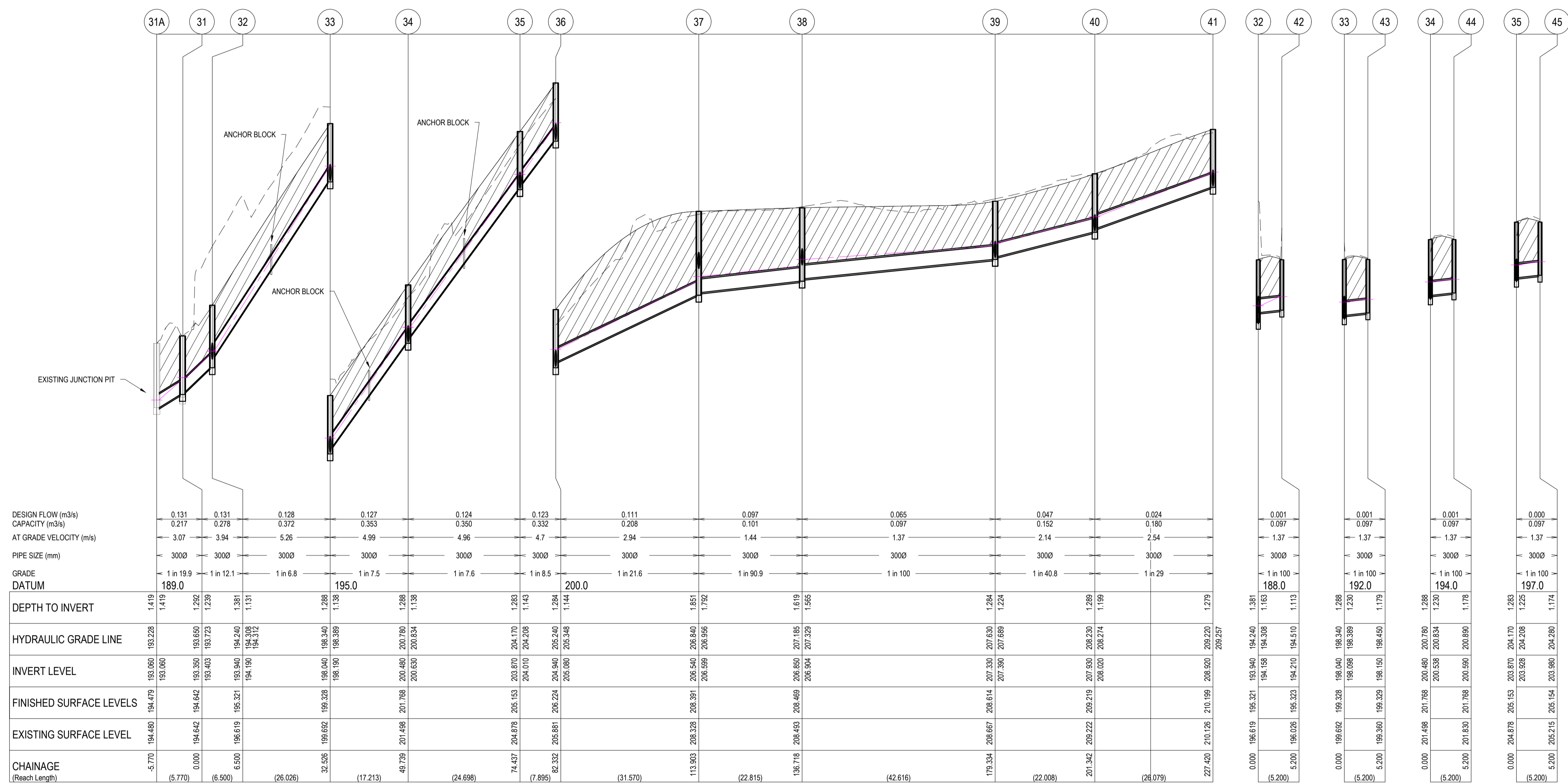
**REINFORCED CONCRETE PIPES**  
 ALL STORMWATER DRAINAGE PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN COMPUTED AND APPROVED BY THE CONTRACTORS ENGINEER. COMPUTATIONS ARE TO ACCORD WITH AS.3725-1989, LOADS ON BURIED PIPES. CONCRETE PIPES DAMAGED DUE TO CONSTRUCTION LOADS SHALL BE REPAIRED AT THE CONTRACTORS COST.



**LEGEND**

- EXISTING SURFACE
- DESIGN SURFACE
- DRAINAGE PIPE/PIT
- EXISTING DRAINAGE PIPE/PIT
- HYDRAULIC GRADE LINE
- CRUSHED ROCK BACKFILL

**WARNING**  
**BEWARE OF UNDERGROUND & OVERHEAD SERVICES**  
 The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works.  
**DIAL 1100 BEFORE YOU DIG**  
 www.1100.com.au



P:\2021\0152\_CARDINIA SHIRE COUNCIL - DESIGN SERVICES - PACKAGES 14 & 15\0152\_DRAINAGE LONG SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
A	14/10/2022	ISSUED FOR TENDER	S.D	M.R.	M.T.



**PROJECT**  
 SEALING THE HILLS  
 COCKATOO  
 BAKER-GLEN PACKAGE

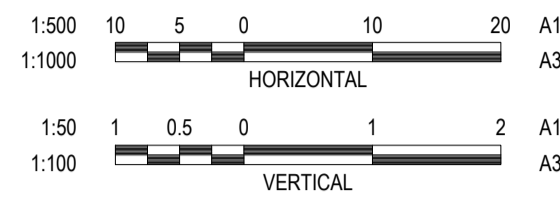
**DRAWING TITLE**  
 DRAINAGE LONGITUDINAL SECTIONS  
 SHEET 1

**STATUS**  
 TENDER  
 NOT FOR CONSTRUCTION

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	S.DEVGAN	M.RAHMAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	SEP 2021
PROJECT NO.	DRAWING NO.	REVISION
210152.1	R800	A

- NOTES**
- PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm NOM. SIZE CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 98% MODIFIED RELATIVE COMPACTION IN 150mm THICK LAYER FOR THE FOLLOWING:
    - BENEATH DRIVEWAY CROSSEOVERS TO THE UNDERSIDE OF THE PAVEMENT OR CROSSEOVER.
    - ADJACENT TO KERBING OR CONCRETE WORKS TO A LEVEL THAT IS NOT AFFECTED BY A 45 DEGREE ANGLE OF REPOSE FROM NEAR THE LOWER EDGE.
  - ALL PIPES UNDER ROADS SHALL BE BACKFILLED WITH 2% STABILISED SAND TO SPRINGLINE. ABOVE THIS POINT, PROVIDE 20mm NOMINAL SIZE CLASS 3 FINE CRUSHED ROCK (WETMIX) COMPACTED TO 98% MODIFIED COMPACTION IN 150mm MAXIMUM LAYER.
  - ALL DRAINAGE PIPES TO BE SPIGOT-SOCKET RUBBER RING JOINTED (RRJ).
  - ALL DRAINAGE PIPES SHALL BE CLASS 2 RCP, UNLESS OTHERWISE NOTED.
  - WHERE PITS DROP LESS THAN 50mm, THE PIT FLOOR MUST BE SHAPED TO MATCH THE LOWER HALF OF THE PIPE.
  - ALL SPLAYED SECTIONS OF PIPE ARE TO BE BACKFILLED WITH 2% STABILISED SAND, 300mm ABOVE TOP OF PIPE.

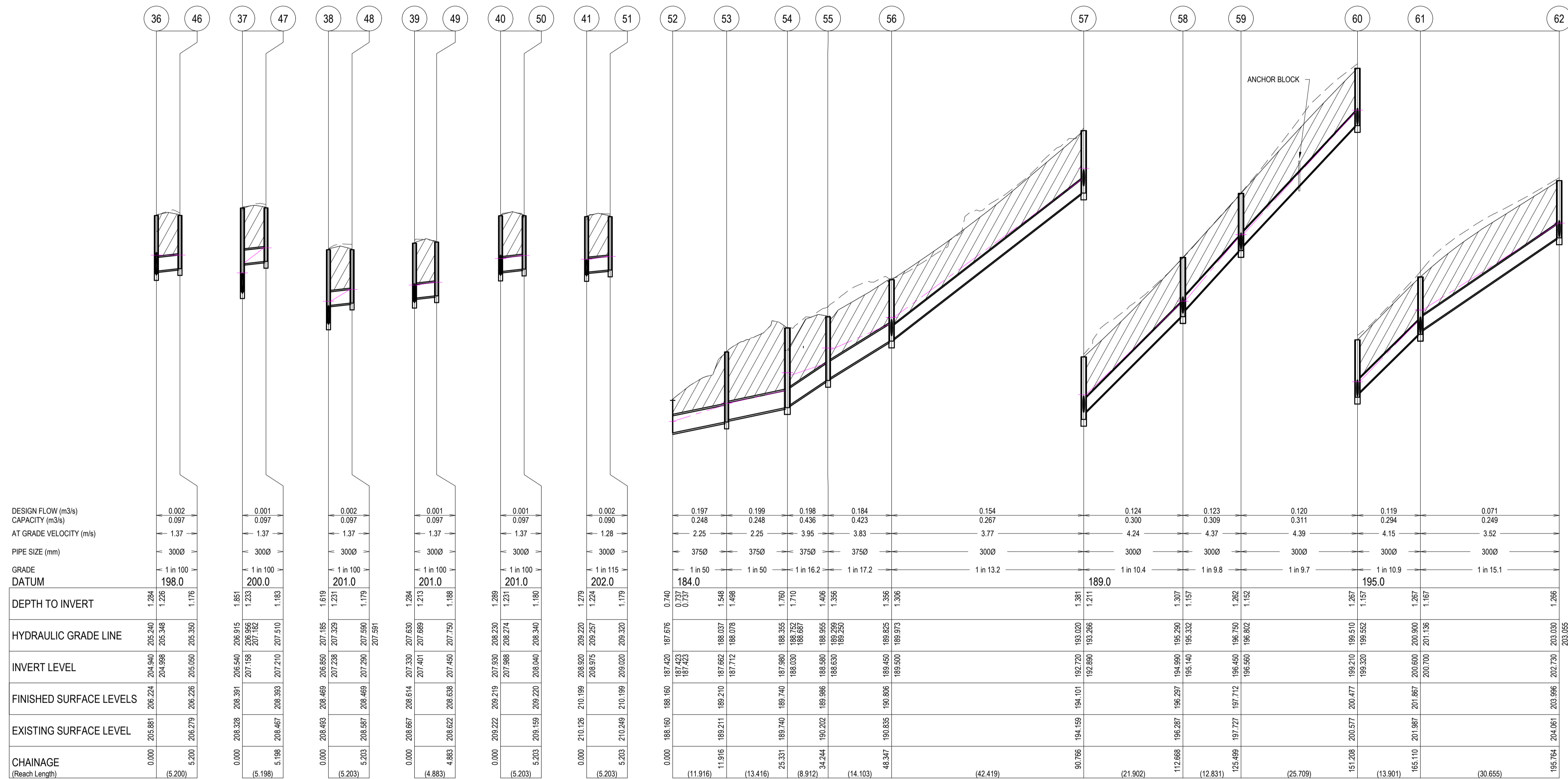
**REINFORCED CONCRETE PIPES**  
 ALL STORMWATER DRAINAGE PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN COMPUTED AND APPROVED BY THE CONTRACTORS ENGINEER. COMPUTATIONS ARE TO ACCORD WITH AS 3725-1989. LOADS ON BURIED PIPES, CONCRETE PIPES DAMAGED DUE TO CONSTRUCTION LOADS SHALL BE REPAIRED AT THE CONTRACTORS COST.



**LEGEND**

- EXISTING SURFACE
- DESIGN SURFACE
- DRAINAGE PIPE/PIT
- EXISTING DRAINAGE PIPE/PIT
- HYDRAULIC GRADE LINE
- CRUSHED ROCK BACKFILL

**WARNING**  
**BEWARE OF UNDERGROUND & OVERHEAD SERVICES**  
 The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works.  
**DIAL 1100 BEFORE YOU DIG**  
 www.1100.com.au



P:\2021\210152\_CARDINIA SHIRE COUNCIL - DESIGN SERVICES - PACKAGES 14 & 15\210152\_DRAINAGE\DESIGN PACKAGE - BAKER-GLEN PACKAGE - 1:800 - DRAINAGE LONG SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
A	14/10/2022	ISSUED FOR TENDER	S.D	M.R.	M.T.



**PROJECT**  
 SEALING THE HILLS  
 COCKATOO  
 BAKER-GLEN PACKAGE

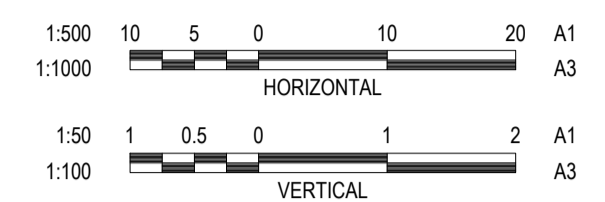
**DRAWING TITLE**  
 DRAINAGE LONGITUDINAL SECTIONS  
 SHEET 2

**STATUS**  
 TENDER  
 NOT FOR CONSTRUCTION

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	S.DEVIGAN	M.RAHMAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	SEP 2021
PROJECT NO.	DRAWING NO.	REVISION
210152.1	R801	A

- NOTES**
- PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm NOM. SIZE CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 98% MODIFIED RELATIVE COMPACTION IN 150mm THICK LAYER FOR THE FOLLOWING:
    - BENEATH DRIVEWAY CROSSOVERS TO THE UNDERSIDE OF THE PAVEMENT OR CROSSOVER
    - ADJACENT TO KERBING OR CONCRETE WORKS TO A LEVEL THAT IS NOT AFFECTED BY A 45 DEGREE ANGLE OF REPOSE FROM NEAR THE LOWER EDGE.
  - ALL PIPES UNDER ROADS SHALL BE BACKFILLED WITH 2% STABILISED SAND TO SPRINGLINE. ABOVE THIS POINT, PROVIDE 20mm NOMINAL SIZE CLASS 3 FINE CRUSHED ROCK (WETMIX) COMPACTED TO 98% MODIFIED COMPACTION IN 150mm MAXIMUM LAYER.
  - ALL DRAINAGE PIPES TO BE SPIGOT-SOCKET RUBBER RING JOINTED (RRJ).
  - ALL DRAINAGE PIPES SHALL BE CLASS 2 RCP, UNLESS OTHERWISE NOTED.
  - WHERE PITS DROP LESS THAN 50mm, THE PIT FLOOR MUST BE SHAPED TO MATCH THE LOWER HALF OF THE PIPE.
  - ALL SPLAYED SECTIONS OF PIPE ARE TO BE BACKFILLED WITH 2% STABILIZED SAND, 300mm ABOVE TOP OF PIPE

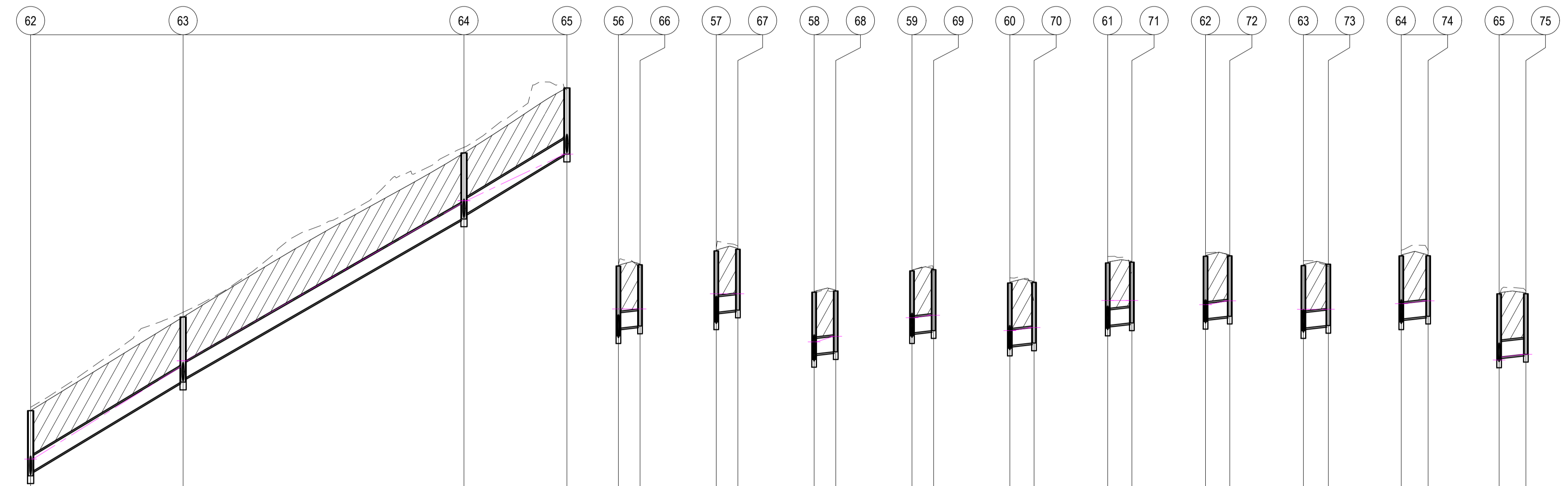
**REINFORCED CONCRETE PIPES**  
 ALL STORMWATER DRAINAGE PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN COMPUTED AND APPROVED BY THE CONTRACTORS ENGINEER. COMPUTATIONS ARE TO ACCORD WITH AS 3725-1989. LOADS ON BURIED PIPES, CONCRETE PIPES DAMAGED DUE TO CONSTRUCTION LOADS SHALL BE REPAIRED AT THE CONTRACTORS COST.



**LEGEND**

- EXISTING SURFACE
- DESIGN SURFACE
- DRAINAGE PIPE/PIT
- EXISTING DRAINAGE PIPE/PIT
- HYDRAULIC GRADE LINE
- CRUSHED ROCK BACKFILL

**WARNING**  
**BEWARE OF UNDERGROUND & OVERHEAD SERVICES**  
 The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works.  
**DIAL 1100 BEFORE YOU DIG**  
 www.1100.com.au



	62	63	64	65	56	66	57	67	58	68	59	69	60	70	61	71	62	72	63	73	64	74	65	75
DESIGN FLOW (m <sup>3</sup> /s)	0.067		0.029	0.000	0.002		0.001		0.000		0.001		0.001		0.001		0.001		0.003		0.002		0.000	
CAPACITY (m <sup>3</sup> /s)	0.234		0.230	0.233	0.097		0.097		0.097		0.097		0.097		0.097		0.097		0.097		0.097		0.097	
AT GRADE VELOCITY (m/s)	3.31		3.26	3.3	1.37		1.37		1.37		1.37		1.37		1.37		1.37		1.37		1.37		1.37	
PIPE SIZE (mm)	3000		3000	3000	3000		3000		3000		3000		3000		3000		3000		3000		3000		3000	
GRADE	1 in 17.1		1 in 17.6		1 in 100		1 in 100		1 in 100		1 in 100		1 in 100		1 in 100		1 in 100		1 in 100		1 in 100		1 in 100	
DATUM	199.0				183.0		186.0		189.0		190.0		193.0		194.0		196.0		198.0		201.0		203.0	
DEPTH TO INVERT	1.266	1.176	1.265	1.263	1.356	1.208	1.381	1.193	1.332	1.199	1.307	1.262	1.204	1.180	1.267	1.214	1.266	1.213	1.265	1.263	1.225	1.175	1.287	1.176
HYDRAULIC GRADE LINE	202.720	203.020	204.550	206.020	189.450	189.973	192.720	193.266	195.098	195.332	194.950	195.290	196.508	196.802	200.800	200.900	202.720	203.020	204.550	206.020	207.720	208.020	209.890	208.900
INVERT LEVEL	202.720	203.996	204.550	207.720	189.450	189.973	192.720	193.266	195.098	195.332	194.950	195.290	196.508	196.802	200.800	200.900	202.720	203.020	204.550	206.020	207.720	208.020	209.890	208.900
FINISHED SURFACE LEVELS	204.061	203.996	206.815	207.620	190.835	190.806	194.101	194.132	196.287	196.287	197.712	197.712	199.477	199.477	201.867	201.867	203.996	203.996	205.815	205.815	209.003	209.003	210.267	208.900
EXISTING SURFACE LEVEL	204.061	203.996	206.815	207.620	190.835	190.806	194.101	194.132	196.287	196.287	197.712	197.712	199.477	199.477	201.867	201.867	203.996	203.996	205.815	205.815	209.003	209.003	210.267	208.900
CHAINAGE (Reach Length)		(29.603)		(54.538)		(4.200)		(4.201)		(4.202)		(4.200)		(4.700)		(4.697)		(4.700)		(4.843)		(5.217)		(5.196)

P:\2021\0152\_CARDINIA SHIRE COUNCIL - DESIGN SERVICES - PACKAGES 14 & 15\0152\_DRAINAGE\DESIGN\DWG - BAKER-GLEN PACKAGE - 1400 - DRAINAGE LONG SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
A	14/10/2022	ISSUED FOR TENDER	S.D	M.R.	M.T.



**SEALING THE HILLS  
 COCKATOO  
 BAKER-GLEN PACKAGE**



**DRAINAGE LONGITUDINAL SECTIONS  
 SHEET 3**

**TENDER  
 NOT FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	S.DEVGAN	M.RAHMAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	SEP 2021
PROJECT NO.	DRAWING NO.	REVISION
210152.1	R802	A

PIT NAME	TYPE	PIT SCHEDULE								F.S.L. (m)	DEPTH(m)	STANDARD DRAWING	REMARKS
		INTERNAL		INLET		OUTLET							
		EASTING	NORTHING	WIDTH(mm)	LENGTH(mm)	DIAMETER(mm)	INVERT R.L.(m)	DIAMETER	INVERT R.L.(m)				
31A	EXISTING JUNCTION PIT	367063.181	5800191.604	600	900	300	193.060			194.479	1.419		
31	SIDE ENTRY GRATED PIT	367067.049	5800195.857	600	900	300	193.403	300	193.350	194.642	1.292	EDCM 601	
32	SEDIMENT CAPTURE PIT	367068.113	5800202.269	900	2020	300	194.190	300	193.940	195.321	1.381		REFER CARDINIA SHIRE COUNCIL - DRAINAGE GUIDELINES FOR ROAD SEALING PROJECTS APPENDIX 8.1
33	GRATED PIT	367071.639	5800228.055	600	900	300	198.190	300	198.040	199.328	1.288	EDCM 605	PROVIDE H.D. GRATED COVER
34	GRATED PIT	367073.971	5800245.110	600	900	300	200.630	300	200.480	201.768	1.288	EDCM 605	PROVIDE H.D. GRATED COVER
35	GRATED PIT	367077.315	5800269.581	600	900	300	204.010	300	203.870	205.153	1.283	EDCM 605	PROVIDE H.D. GRATED COVER
36	GRATED PIT	367078.384	5800277.403	600	900	300	205.080	300	204.940	206.224	1.284	EDCM 605	PROVIDE H.D. GRATED COVER
37	GRATED PIT	367082.654	5800308.684	600	900	300	206.599	300	206.540	208.391	1.851	EDCM 605	PROVIDE H.D. GRATED COVER
38	GRATED PIT	367085.655	5800331.300	600	900	300	206.904	300	206.850	208.469	1.619	EDCM 605	PROVIDE H.D. GRATED COVER
39	GRATED PIT	367091.231	5800373.550	600	900	300	207.390	300	207.330	208.614	1.284	EDCM 605	PROVIDE H.D. GRATED COVER
40	GRATED PIT	367094.110	5800395.369	600	900	300	208.020	300	207.930	209.219	1.289	EDCM 605	PROVIDE H.D. GRATED COVER
41	GRATED PIT	367097.522	5800421.223	600	900	300		300	208.920	210.199	1.279	EDCM 605	
42	GRATED PIT	367073.267	5800201.577	600	900	300		300	194.210	195.323	1.113	EDCM 605	PROVIDE H.D. GRATED COVER
43	GRATED PIT	367076.792	5800227.356	600	900	300		300	198.150	199.329	1.179	EDCM 605	PROVIDE H.D. GRATED COVER
44	GRATED PIT	367079.123	5800244.411	600	900	300		300	200.590	201.768	1.178	EDCM 605	PROVIDE H.D. GRATED COVER
45	GRATED PIT	367082.468	5800268.881	600	900	300		300	203.980	205.154	1.174	EDCM 605	PROVIDE H.D. GRATED COVER
46	GRATED PIT	367083.539	5800276.717	600	900	300		300	205.050	206.226	1.176	EDCM 605	PROVIDE H.D. GRATED COVER
47	GRATED PIT	367087.794	5800307.909	600	900	300		300	207.210	208.393	1.183	EDCM 605	PROVIDE H.D. GRATED COVER
48	GRATED PIT	367090.814	5800330.625	600	900	300		300	207.290	208.469	1.179	EDCM 605	PROVIDE H.D. GRATED COVER
49	GRATED PIT	367096.064	5800372.858	600	900	300		300	207.450	208.638	1.188	EDCM 605	PROVIDE H.D. GRATED COVER
50	GRATED PIT	367099.269	5800394.693	600	900	300		300	208.040	209.220	1.180	EDCM 605	PROVIDE H.D. GRATED COVER
51	GRATED PIT	367102.681	5800420.549	600	900	300		300	209.020	210.199	1.179	EDCM 605	PROVIDE H.D. GRATED COVER
52	WINGWALL	367151.420	5800750.084			375	187.423			188.160	0.737	VICROADS 1921	PROVIDE WINGWALL TO SUIT 375 DIA
53	SEDIMENT CAPTURE PIT	367147.977	5800738.677	900	2020	375	187.712	375	187.662	189.210	1.548		REFER CARDINIA SHIRE COUNCIL - DRAINAGE GUIDELINES FOR ROAD SEALING PROJECTS APPENDIX 8.1
54	GRATED PIT	367148.218	5800725.263	600	900	375	188.030	375	187.980	189.740	1.760	EDCM 605	PROVIDE H.D. GRATED COVER
55	GRATED PIT	367139.306	5800725.336	600	900	375	188.630	375	188.580	189.986	1.406	EDCM 605	PROVIDE H.D. GRATED COVER
56	GRATED PIT	367136.656	5800711.484	600	900	300	189.500	375	189.450	190.806	1.356	EDCM 605	PROVIDE H.D. GRATED COVER
57	GRATED PIT	367130.710	5800669.484	600	900	300	192.890	300	192.720	194.101	1.381	EDCM 605	PROVIDE H.D. GRATED COVER
58	GRATED PIT	367128.085	5800647.739	600	900	300	195.140	300	194.990	196.297	1.307	EDCM 605	PROVIDE H.D. GRATED COVER
59	GRATED PIT	367126.551	5800635.000	600	900	300	196.560	300	196.450	197.712	1.262	EDCM 605	PROVIDE H.D. GRATED COVER
60	GRATED PIT	367123.474	5800609.476	600	900	300	199.320	300	199.210	200.477	1.267	EDCM 605	PROVIDE H.D. GRATED COVER
61	GRATED PIT	367121.808	5800595.674	600	900	300	200.700	300	200.600	201.867	1.267	EDCM 605	PROVIDE H.D. GRATED COVER
62	GRATED PIT	367117.768	5800565.287	600	900	300	202.820	300	202.730	203.996	1.266	EDCM 605	PROVIDE H.D. GRATED COVER
63	GRATED PIT	367113.577	5800535.982	600	900	300	204.630	300	204.550	205.815	1.265	EDCM 605	PROVIDE H.D. GRATED COVER
64	GRATED PIT	367105.849	5800481.995	600	900	300	207.820	300	207.720	209.003	1.283	EDCM 605	PROVIDE H.D. GRATED COVER
65	GRATED PIT	367103.039	5800462.205	600	900	300		300	208.980	210.267	1.287	EDCM 605	
66	GRATED PIT	367140.799	5800710.796	600	900	300		300	189.640	190.831	1.191	EDCM 605	PROVIDE H.D. GRATED COVER
67	GRATED PIT	367134.871	5800668.905	600	900	300		300	192.950	194.132	1.182	EDCM 605	PROVIDE H.D. GRATED COVER
68	GRATED PIT	367132.256	5800647.232	600	900	300		300	195.140	196.322	1.182	EDCM 605	PROVIDE H.D. GRATED COVER
69	GRATED PIT	367130.722	5800634.500	600	900	300		300	196.550	197.736	1.186	EDCM 605	PROVIDE H.D. GRATED COVER
70	GRATED PIT	367128.140	5800608.917	600	900	300		300	199.310	200.489	1.179	EDCM 605	PROVIDE H.D. GRATED COVER
71	GRATED PIT	367126.471	5800595.111	600	900	300		300	200.700	201.880	1.180	EDCM 605	PROVIDE H.D. GRATED COVER
72	GRATED PIT	367122.428	5800564.669	600	900	300		300	202.830	204.004	1.174	EDCM 605	PROVIDE H.D. GRATED COVER
73	GRATED PIT	367118.372	5800535.302	600	900	300		300	204.650	205.841	1.191	EDCM 605	PROVIDE H.D. GRATED COVER
74	GRATED PIT	367111.015	5800481.272	600	900	300		300	207.830	209.005	1.175	EDCM 605	PROVIDE H.D. GRATED COVER
75	GRATED PIT	367108.182	5800461.469	600	900	300		300	209.090	210.268	1.178	EDCM 605	PROVIDE H.D. GRATED COVER

P:\2021\010152 - CARDINIA SHIRE COUNCIL - DESIGN SERVICES - PACKAGES 14 & 15\010152\_DRAINAGE\DRAWINGS\PACKAGES 14 & 15\010152\_DRAINAGE LONG SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED	
							 Suite 1, 2 Bloomsbury Street Geelong, VIC, Australia 3220	SEALING THE HILLS COCKATOO BAKER-GLEN PACKAGE	DRAINAGE PIT SCHEDULE	TENDER NOT FOR CONSTRUCTION	AS SHOWN	S.DEVGAN	M.RAHMAN
											PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
											M.TROUNCE	T.PALIOS	SEP 2021
											PROJECT No.	DRAWING No.	REVISION
											210152.1	R803	A
A	14/10/2022	ISSUED FOR TENDER	S.D	M.R.	M.T.								



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT
A	5/10/22	ISSUED FOR TENDER	S.D	M.R.	M.T.	



**PROJECT**  
SEALING THE HILLS  
COCKATOO  
BAKER-GLEN PACKAGE

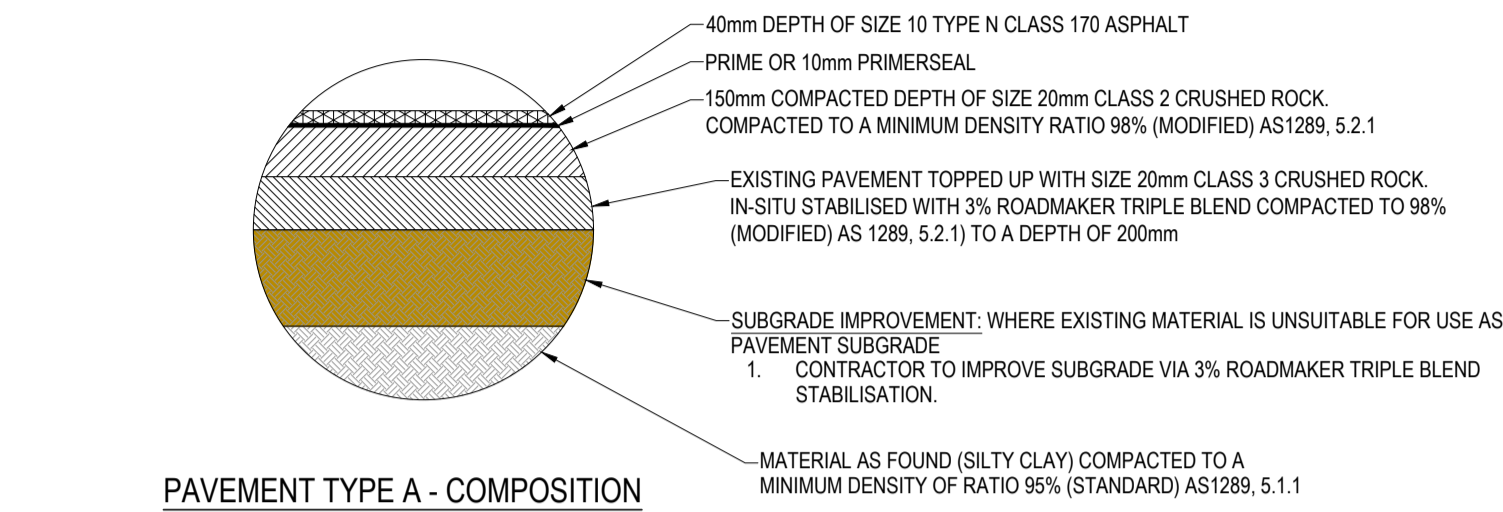
**DRAWING TITLE**  
SIGNAGE AND LINEMARKING

**STATUS**  
TENDER  
NOT FOR CONSTRUCTION

SCALE AT A1 1:500 @ A1	DRAWN S.DEVGAN	DESIGNED M.RAHMAN
PROJECT ENGINEER M.TROUNCE	PROJECT MANAGER T.PALIOS	DATE FIRST ISSUE SEP 2021
PROJECT No. <b>210152.1</b>	DRAWING No. <b>R900</b>	REVISION <b>A</b>



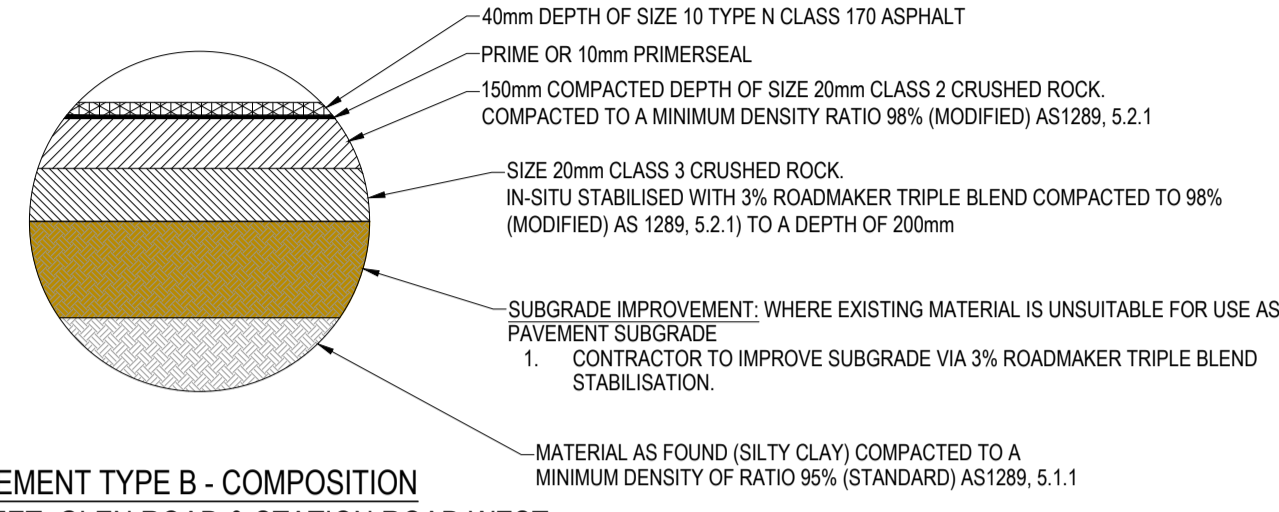




**PAVEMENT TYPE A - COMPOSITION**  
GARDEN STREET, GLEN ROAD & STATION ROAD WEST  
VARIABLE DEPTH  
NTS

**PAVEMENT CONSTRUCTION METHODOLOGY**

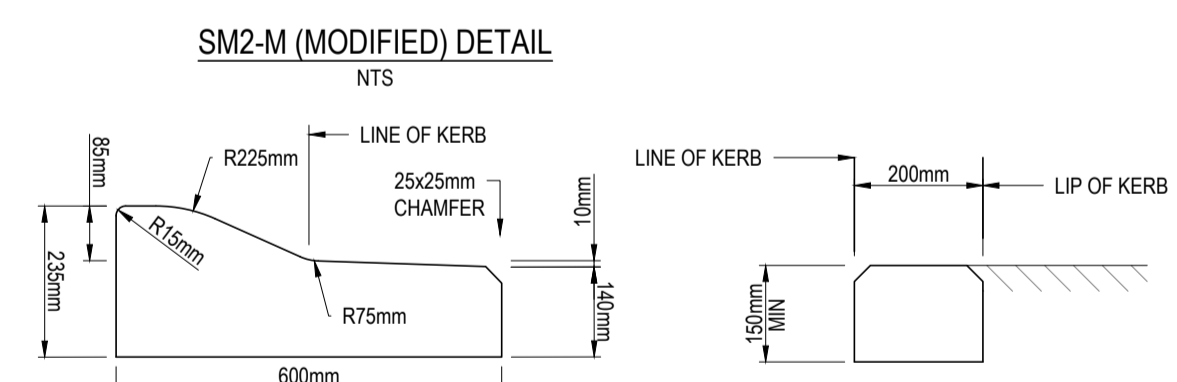
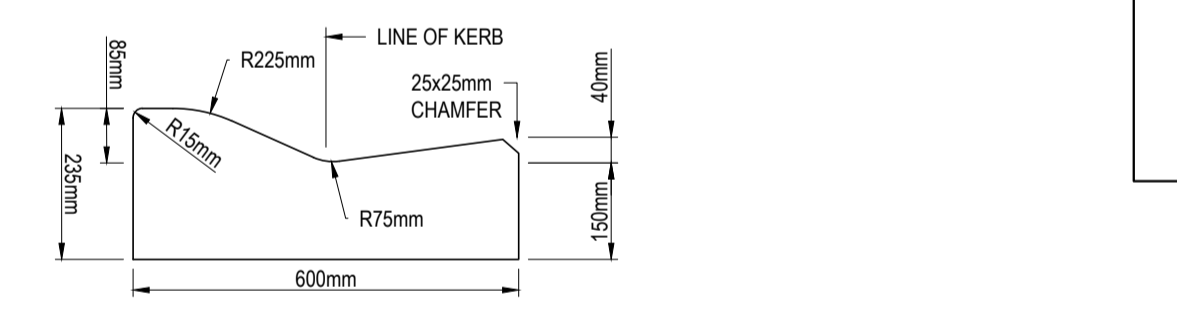
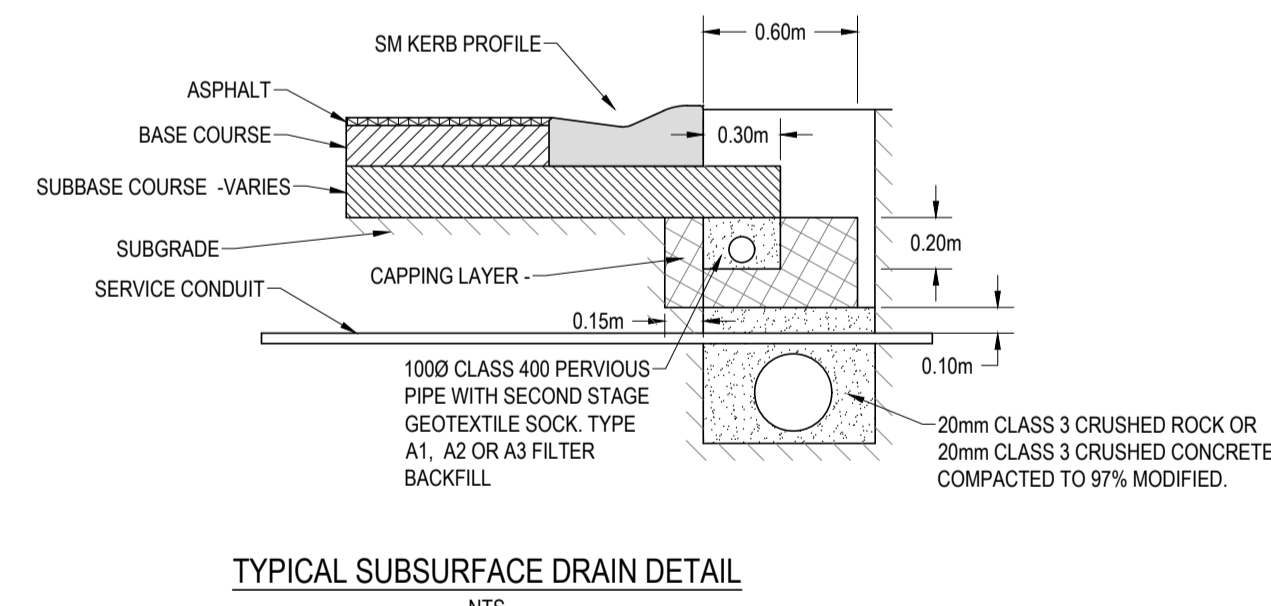
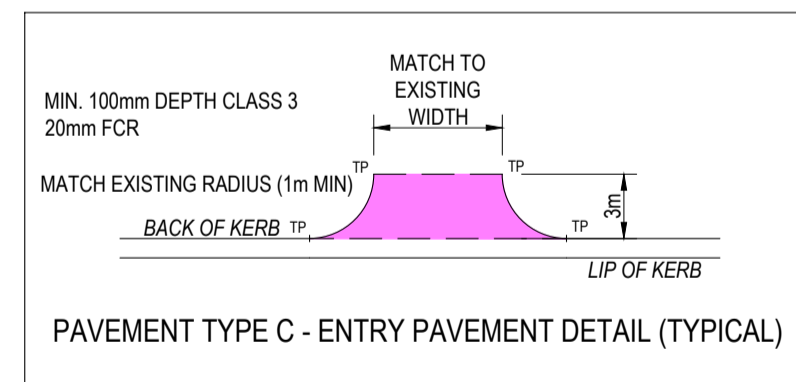
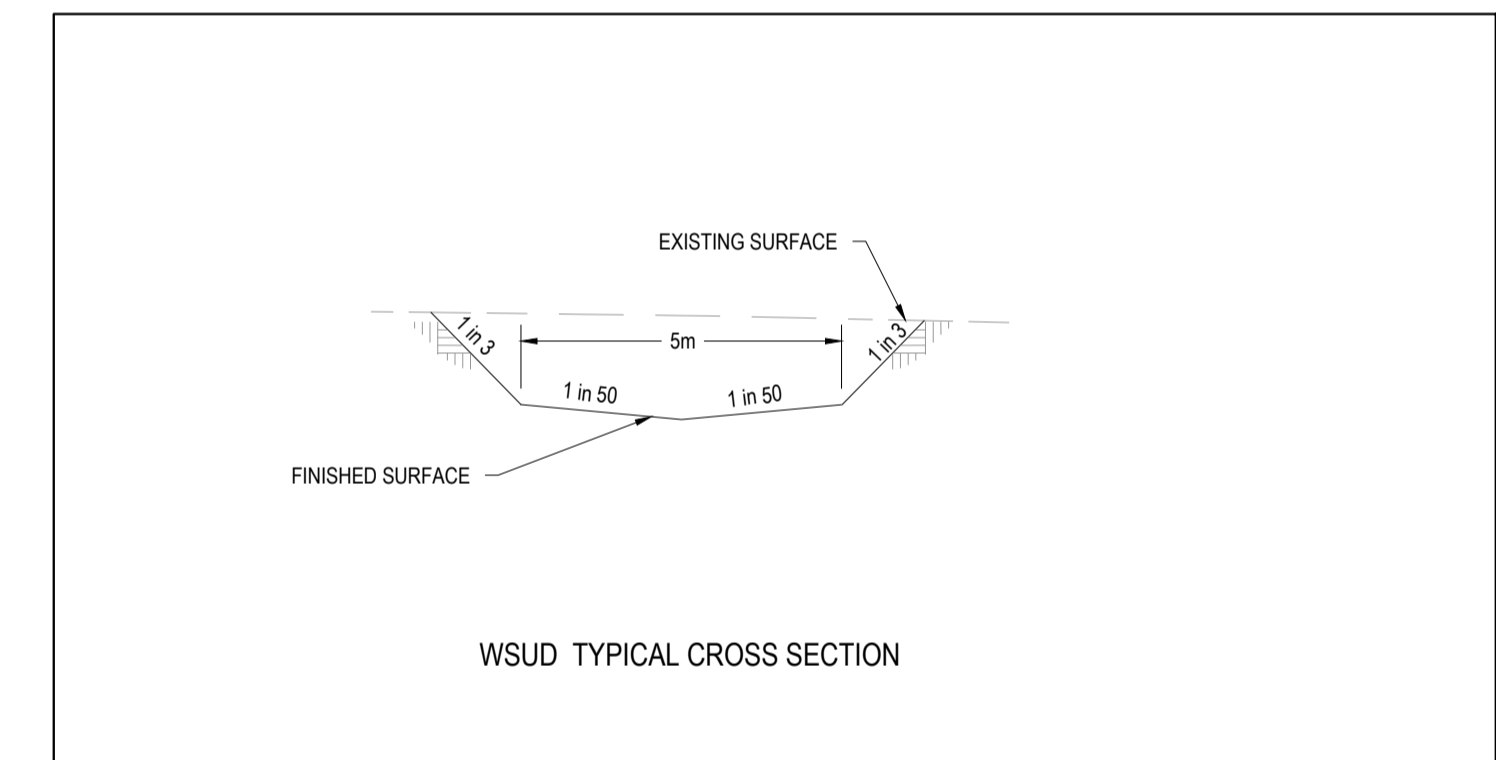
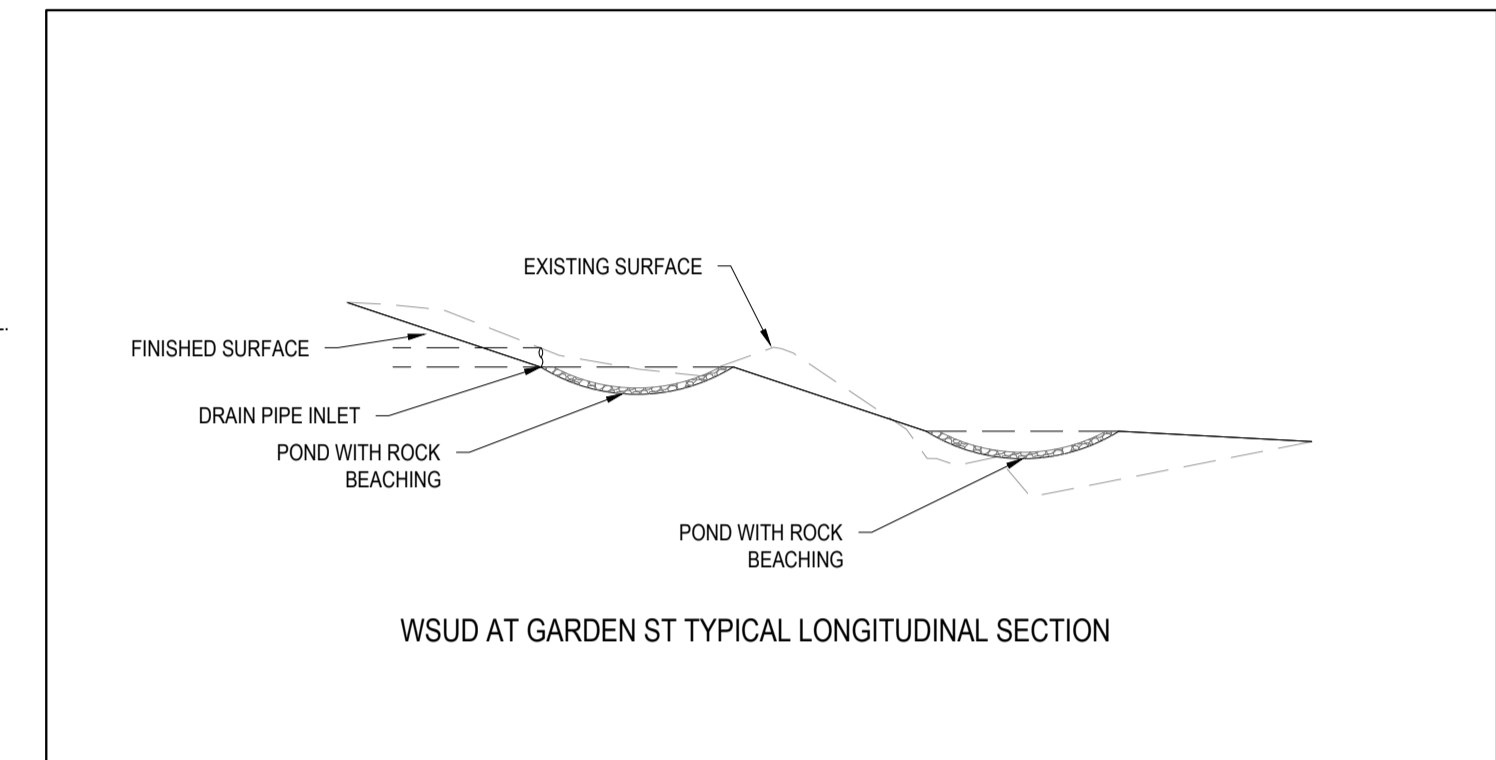
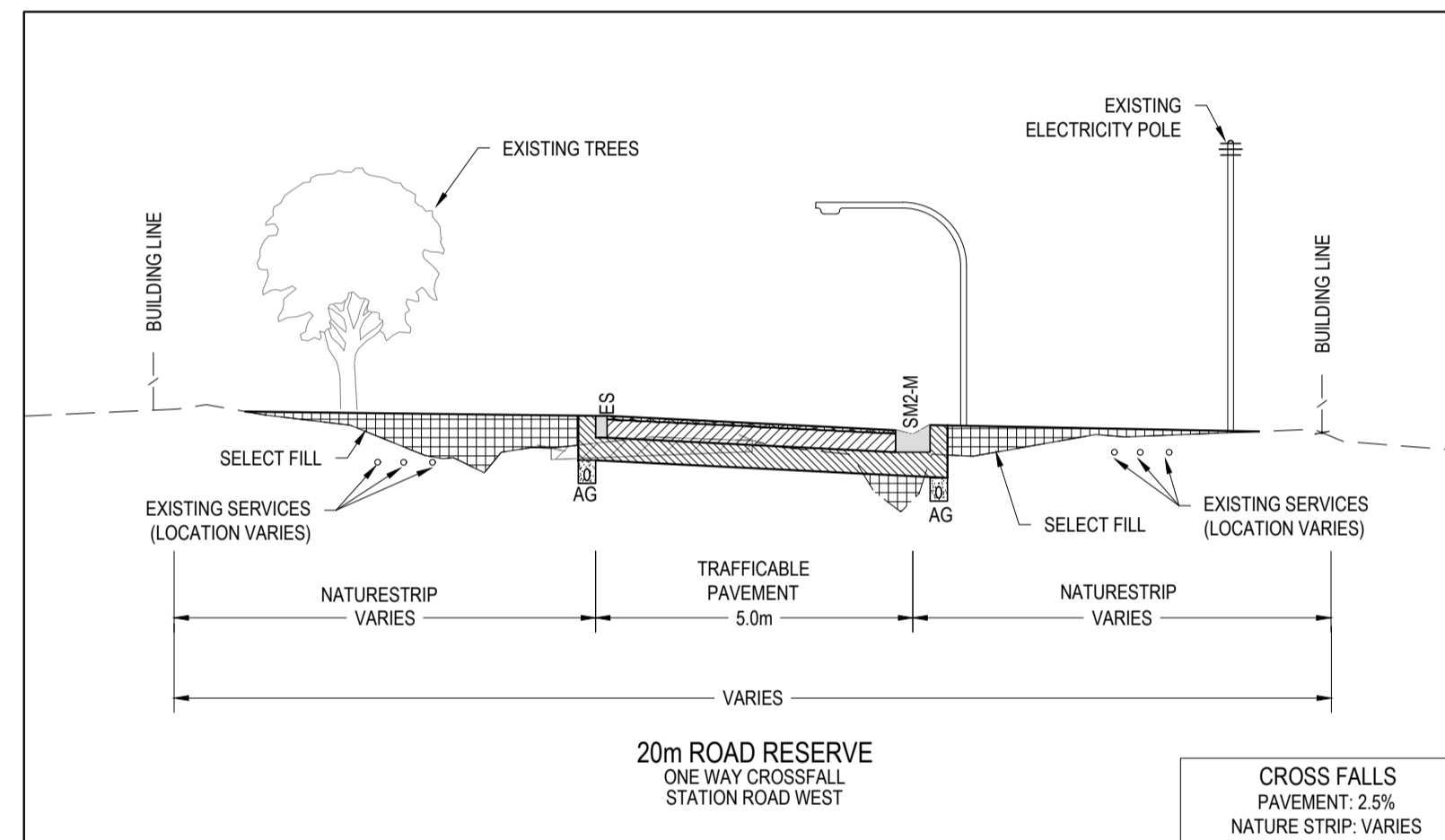
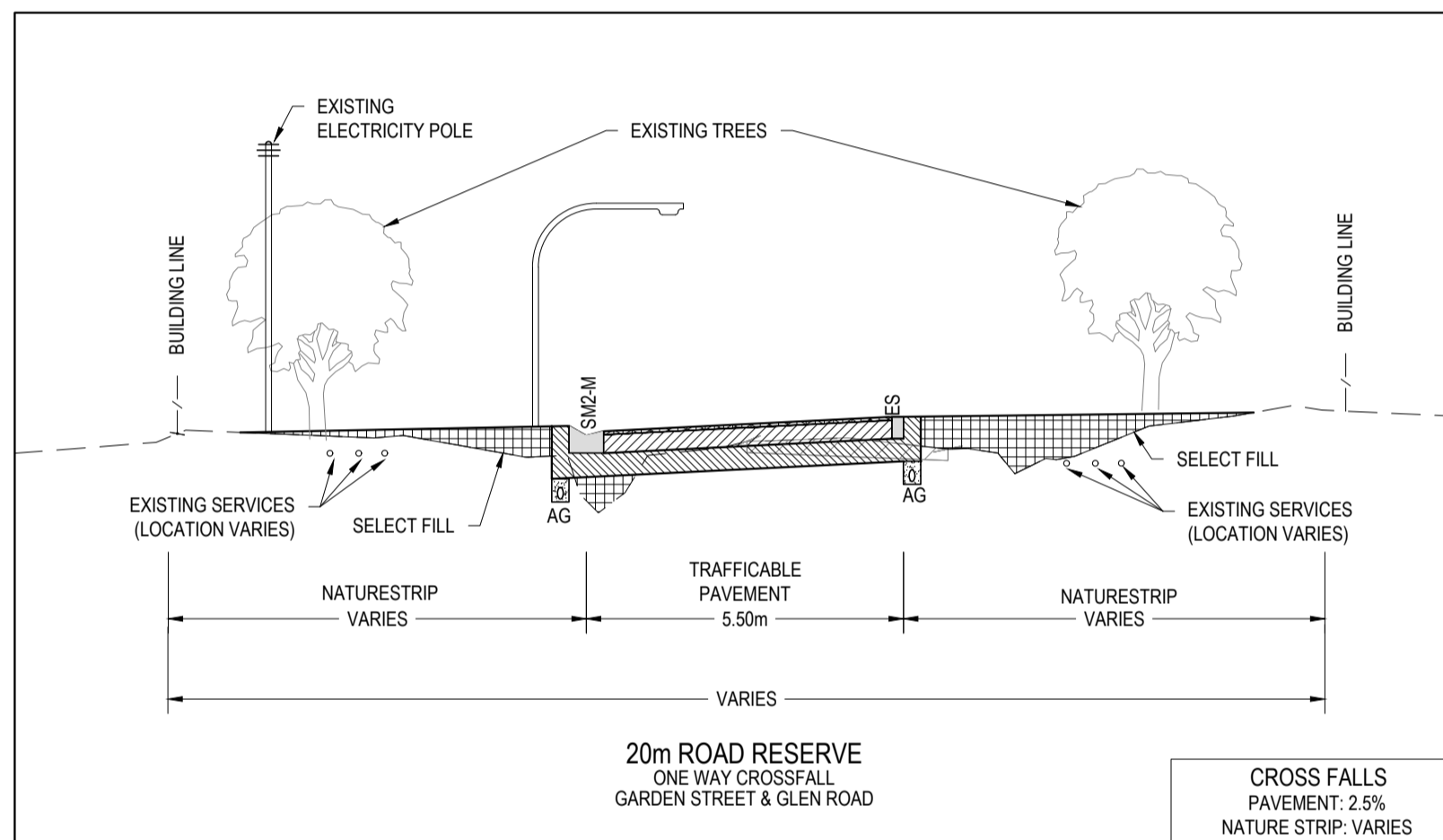
1. PROFILE EXISTING PAVEMENT.
2. TOP UP WITH CLASS 3 CRUSHED ROCK.
3. SHAPE TO MATCH DESIGN CROSS SECTION AT 190mm BELOW FINISHED SURFACE LEVEL.
4. IN-SITU STABILISE SUBBASE 200mm DEEP WITH 3% ROADMAKER TRIPLE BLEND.
5. INSTALL AGs AND CONSTRUCT UNDERGROUND DRAINAGE
6. POUR KERB & CHANNEL
7. INFILL WITH CLASS 2 TO MATCH DESIGN CROSS SECTION AT 40mm BELOW FINISHED SURFACE LEVEL.
8. PLACE PRIME OR 10mm PRIMERSEAL.
9. PLACE 40mm DEPTH OF SIZE 10 TYPE N CLASS 170 ASPHALT.



**PAVEMENT TYPE B - COMPOSITION**  
GARDEN STREET, GLEN ROAD & STATION ROAD WEST  
390mm DEPTH  
NTS

**PAVEMENT CONSTRUCTION METHODOLOGY**

1. REMOVE & STOCKPILE EXISTING PAVEMENT MATERIAL (CLASS 3 CRUSHED ROCK).
2. EXCAVATE TO A DEPTH OF 390mm BELOW FINISHED SURFACE.
3. IMPORT EXISTING PAVEMENT MATERIAL AND TOP UP WITH CLASS 3 CRUSHED ROCK.
4. IN-SITU STABILISE SUBBASE 200mm DEEP WITH 3% ROADMAKER TRIPLE BLEND.
5. INSTALL AGs AND CONSTRUCT UNDERGROUND DRAINAGE
6. POUR KERB & CHANNEL
7. INFILL WITH CLASS 2 TO MATCH DESIGN CROSS SECTION AT 40mm BELOW FINISHED SURFACE LEVEL.
8. PLACE PRIME OR 10mm PRIMERSEAL.
9. PLACE 40mm DEPTH OF SIZE 10 TYPE N CLASS 170 ASPHALT.



**WARNING**  
**BEWARE OF UNDERGROUND & OVERHEAD SERVICES**  
The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works  
**DIAL 1100 BEFORE YOU DIG**  
www.1100.com.au

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
B	19/10/2022	PAVEMENT COMPOSITION MINOR AMENDMENTS	S.D.	T.P.	T.P.
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.

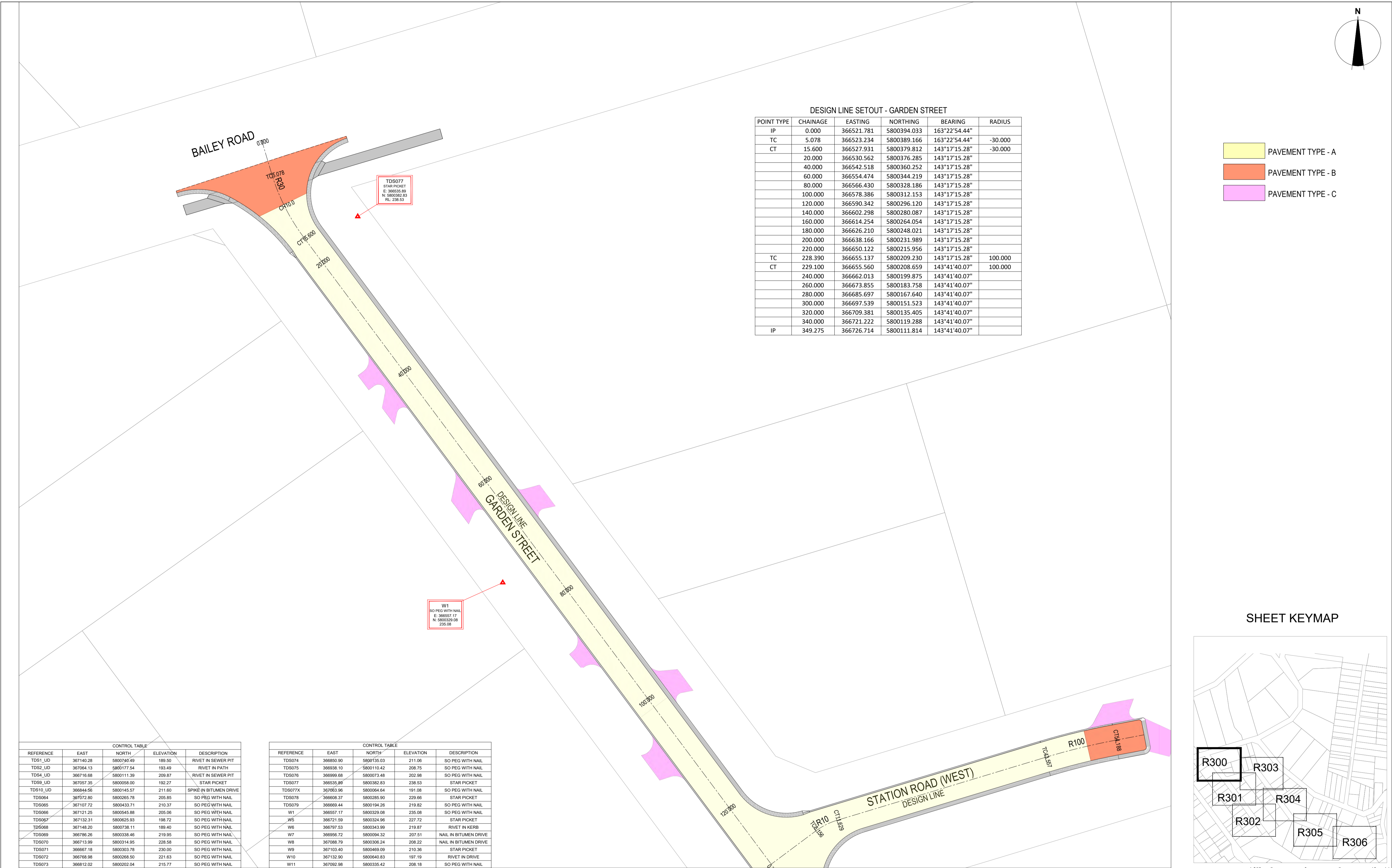


PROJECT  
**SEALING THE HILLS  
COCKATOO  
BAKER-GLEN PACKAGE**

DRAWING TITLE  
**CARDINIA PACKAGE 10 -  
TYPICAL SECTIONS & DETAILS**

STATUS  
**TENDER  
NOT FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	S.DEVGAN	M.RAHMAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	SEP 2021
PROJECT No.	DRAWING No.	REVISION
<b>210152</b>	<b>R200</b>	<b>B</b>



DESIGN LINE SETOUT - GARDEN STREET

POINT TYPE	CHAINAGE	EASTING	NORTHING	BEARING	RADIUS
IP	0.000	366521.781	5800394.033	163°22'54.44"	
TC	5.078	366523.234	5800389.166	163°22'54.44"	-30.000
CT	15.600	366527.931	5800379.812	143°17'15.28"	-30.000
	20.000	366530.562	5800376.285	143°17'15.28"	
	40.000	366542.518	5800360.252	143°17'15.28"	
	60.000	366554.474	5800344.219	143°17'15.28"	
	80.000	366566.430	5800328.186	143°17'15.28"	
	100.000	366578.386	5800312.153	143°17'15.28"	
	120.000	366590.342	5800296.120	143°17'15.28"	
	140.000	366602.298	5800280.087	143°17'15.28"	
	160.000	366614.254	5800264.054	143°17'15.28"	
	180.000	366626.210	5800248.021	143°17'15.28"	
	200.000	366638.166	5800231.989	143°17'15.28"	
	220.000	366650.122	5800215.956	143°17'15.28"	
TC	228.390	366655.137	5800209.230	143°17'15.28"	100.000
CT	229.100	366655.560	5800208.659	143°41'40.07"	100.000
	240.000	366662.013	5800199.875	143°41'40.07"	
	260.000	366673.855	5800183.758	143°41'40.07"	
	280.000	366685.697	5800167.640	143°41'40.07"	
	300.000	366697.539	5800151.523	143°41'40.07"	
	320.000	366709.381	5800135.405	143°41'40.07"	
	340.000	366721.222	5800119.288	143°41'40.07"	
IP	349.275	366726.714	5800111.814	143°41'40.07"	

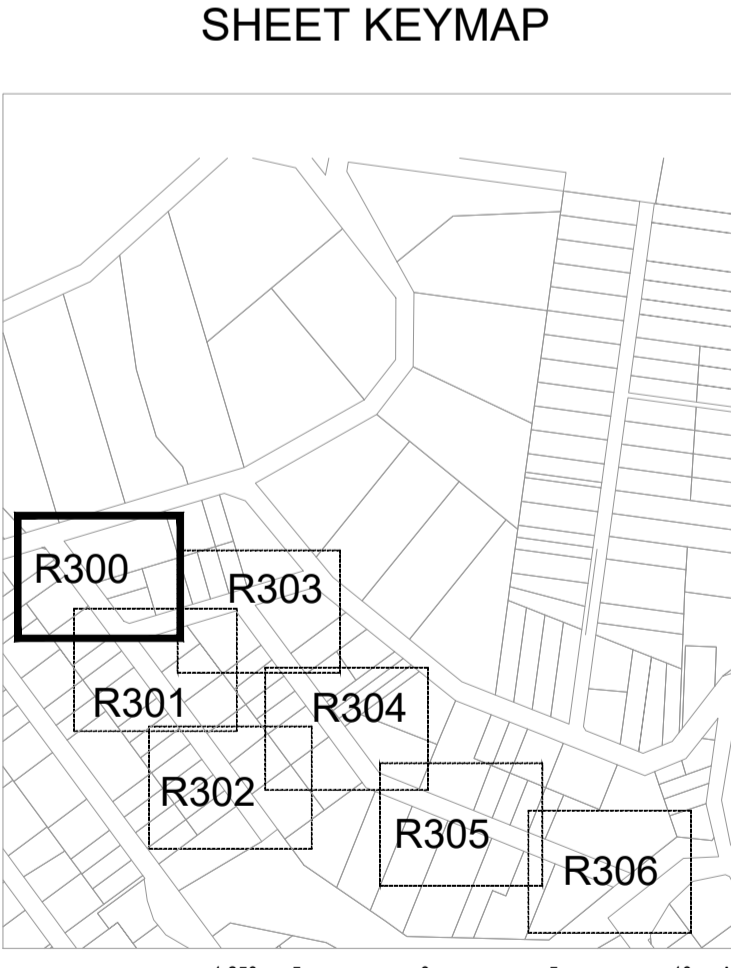
- PAVEMENT TYPE - A
- PAVEMENT TYPE - B
- PAVEMENT TYPE - C

CONTROL TABLE

REFERENCE	EAST	NORTH	ELEVATION	DESCRIPTION
TDS1_UD	367140.28	5800740.49	189.50	RIVET IN SEWER PIT
TDS2_UD	367064.13	5800777.54	193.49	RIVET IN PATH
TDS4_UD	366716.88	5800111.39	209.87	RIVET IN SEWER PIT
TDS9_UD	367057.35	5800058.00	192.27	STAR PICKET
TDS10_UD	366844.66	5800145.57	211.60	SPIKE IN BITUMEN DRIVE
TDS064	367072.80	5800285.78	205.85	SO PEG WITH NAIL
TDS065	367107.72	5800433.71	210.37	SO PEG WITH NAIL
TDS066	367121.25	5800545.88	205.06	SO PEG WITH NAIL
TDS067	367132.31	5800025.93	198.72	SO PEG WITH NAIL
TDS068	367148.20	5800078.11	189.40	SO PEG WITH NAIL
TDS069	366786.26	5800338.46	219.95	SO PEG WITH NAIL
TDS070	366713.99	5800314.95	228.58	SO PEG WITH NAIL
TDS071	366967.18	5800303.78	230.00	SO PEG WITH NAIL
TDS072	366768.98	5800288.50	221.63	SO PEG WITH NAIL
TDS073	366812.02	5800202.04	215.77	SO PEG WITH NAIL

CONTROL TABLE

REFERENCE	EAST	NORTH	ELEVATION	DESCRIPTION
TDS074	366850.90	5800135.03	211.06	SO PEG WITH NAIL
TDS075	366936.10	5800110.42	206.75	SO PEG WITH NAIL
TDS076	366999.68	5800073.48	202.99	SO PEG WITH NAIL
TDS077	366535.89	5800382.83	238.53	STAR PICKET
TDS077X	367063.96	5800064.64	191.08	SO PEG WITH NAIL
TDS078	366608.37	5800285.90	229.66	STAR PICKET
TDS079	366669.44	5800194.26	218.82	SO PEG WITH NAIL
W1	366957.17	5800329.06	235.06	SO PEG WITH NAIL
W5	366721.59	5800324.96	227.72	STAR PICKET
W6	366787.53	5800343.99	218.87	RIVET IN KERB
W7	366966.72	5800294.32	207.51	NAIL IN BITUMEN DRIVE
W8	367068.79	5800306.24	208.22	NAIL IN BITUMEN DRIVE
W9	367103.40	5800469.09	210.36	STAR PICKET
W10	367132.90	5800540.83	197.19	RIVET IN DRIVE
W11	367062.98	5800335.42	206.18	SO PEG WITH NAIL



REFER SHEET R301 FOR CONTINUATION

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.

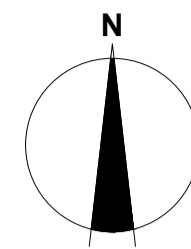
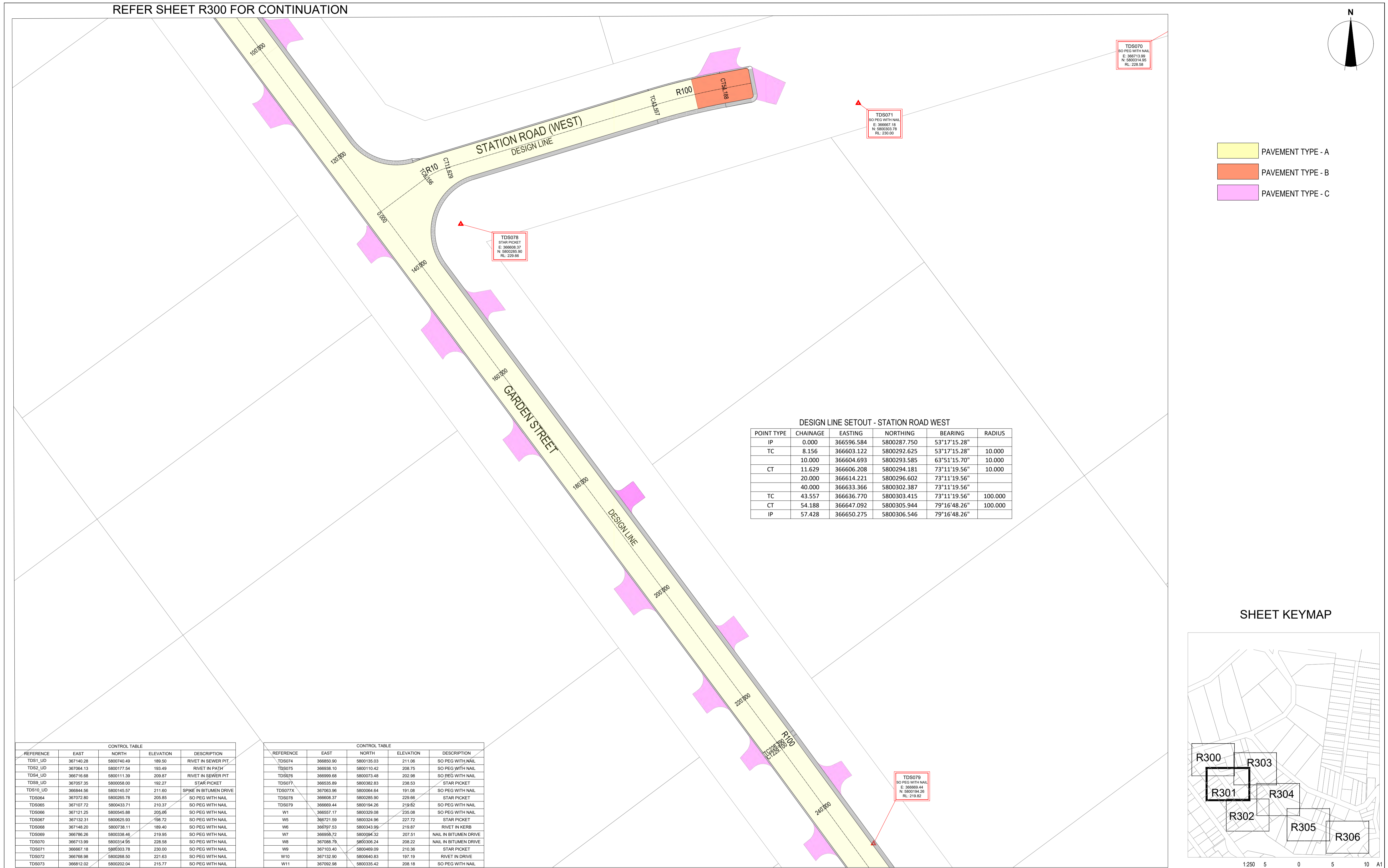


PROJECT  
SEALING THE HILLS  
COCKATOO  
BAKER-GLEN PACKAGE

DRAWING TITLE  
CARDINIA PACKAGE 10 -  
GEOMETRIC & PAVEMENT PLAN - 1

STATUS  
TENDER  
NOT FOR CONSTRUCTION

SCALE AT A1	DRAWN	DESIGNED
1:500 @ A1	S.DEVGAN	M.RAHMAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	SEP 2021
PROJECT NO.	DRAWING NO.	REVISION
210152	R300	A

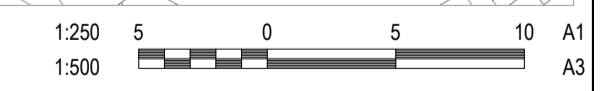
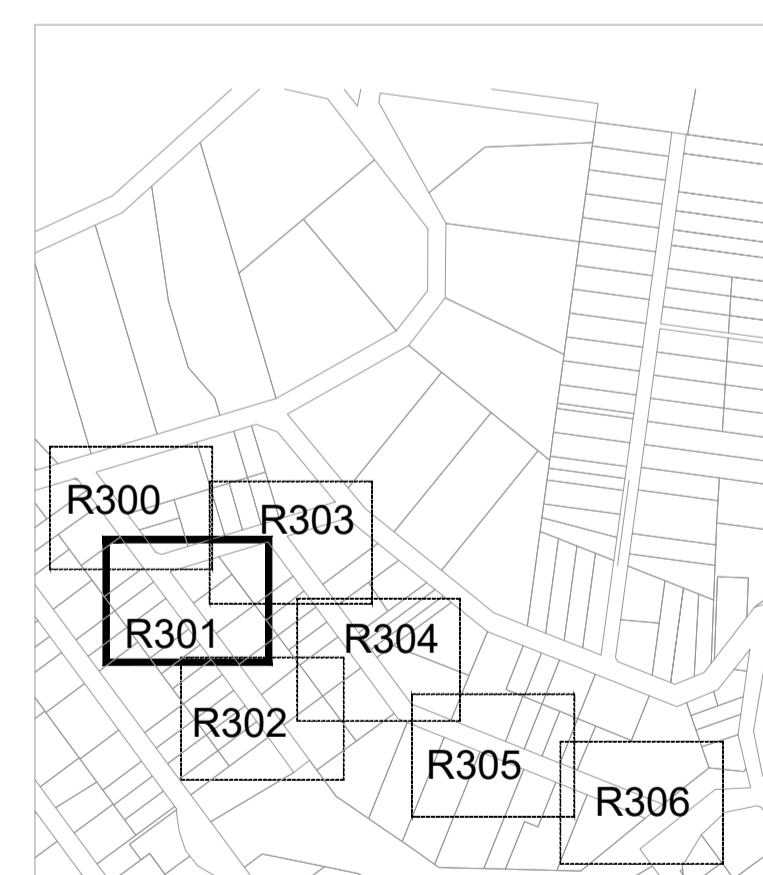


- PAVEMENT TYPE - A
- PAVEMENT TYPE - B
- PAVEMENT TYPE - C

**DESIGN LINE SETOUT - STATION ROAD WEST**

POINT TYPE	CHAINAGE	EASTING	NORTHING	BEARING	RADIUS
IP	0.000	366596.584	5800287.750	53°17'15.28"	
TC	8.156	366603.122	5800292.625	53°17'15.28"	10.000
	10.000	366604.693	5800293.585	63°51'15.70"	10.000
CT	11.629	366606.208	5800294.181	73°11'19.56"	10.000
	20.000	366614.221	5800296.602	73°11'19.56"	
	40.000	366633.366	5800302.387	73°11'19.56"	
TC	43.557	366636.770	5800303.415	73°11'19.56"	100.000
CT	54.188	366647.092	5800305.944	79°16'48.26"	100.000
IP	57.428	366650.275	5800306.546	79°16'48.26"	

**SHEET KEYMAP**



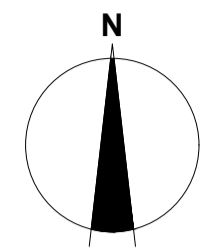
REFERENCE	EAST	NORTH	ELEVATION	DESCRIPTION
TDS1_UD	367140.28	5800740.49	189.50	RIVET IN SEWER PIT
TDS2_UD	367064.13	5800177.54	163.49	RIVET IN PATH
TDS4_UD	366716.68	5800111.39	209.87	RIVET IN SEWER PIT
TDS6_UD	367057.35	5800058.00	192.27	STAR PICKET
TDS10_UD	366844.58	5800145.57	211.60	SPIKE IN BITUMEN DRIVE
TDS04	367072.80	5800255.78	205.85	SO PEG WITH NAIL
TDS05	367107.72	5800433.71	210.37	SO PEG WITH NAIL
TDS06	367121.25	5800545.88	205.06	SO PEG WITH NAIL
TDS07	367132.31	5800625.93	198.72	SO PEG WITH NAIL
TDS08	367148.20	5800738.11	189.40	SO PEG WITH NAIL
TDS09	366786.26	5800538.88	219.95	SO PEG WITH NAIL
TDS070	366713.99	5800314.95	228.58	SO PEG WITH NAIL
TDS071	366667.18	5800303.78	230.00	SO PEG WITH NAIL
TDS072	366768.98	5800268.50	221.63	SO PEG WITH NAIL
TDS073	366812.02	5800202.04	215.77	SO PEG WITH NAIL

REFERENCE	EAST	NORTH	ELEVATION	DESCRIPTION
TDS074	366850.90	5800135.03	211.06	SO PEG WITH NAIL
TDS075	366938.10	5800110.42	208.75	SO PEG WITH NAIL
TDS076	366999.68	5800073.48	202.98	SO PEG WITH NAIL
TDS077	366535.89	5800382.83	238.53	STAR PICKET
TDS077X	367063.96	5800094.84	191.08	SO PEG WITH NAIL
TDS078	366608.37	5800285.99	228.66	STAR PICKET
TDS079	366669.44	5800194.26	219.82	SO PEG WITH NAIL
W1	366557.17	5800329.08	235.08	SO PEG WITH NAIL
W5	366721.59	5800324.96	227.72	STAR PICKET
W6	366797.53	5800343.99	219.87	RIVET IN KERB
W7	366908.72	5800294.52	207.51	NAIL IN BITUMEN DRIVE
W8	367168.79	5800305.24	208.22	NAIL IN BITUMEN DRIVE
W9	367103.40	5800469.09	210.36	STAR PICKET
W10	367132.90	5800640.83	197.19	RIVET IN DRIVE
W11	367092.98	5800335.42	208.18	SO PEG WITH NAIL

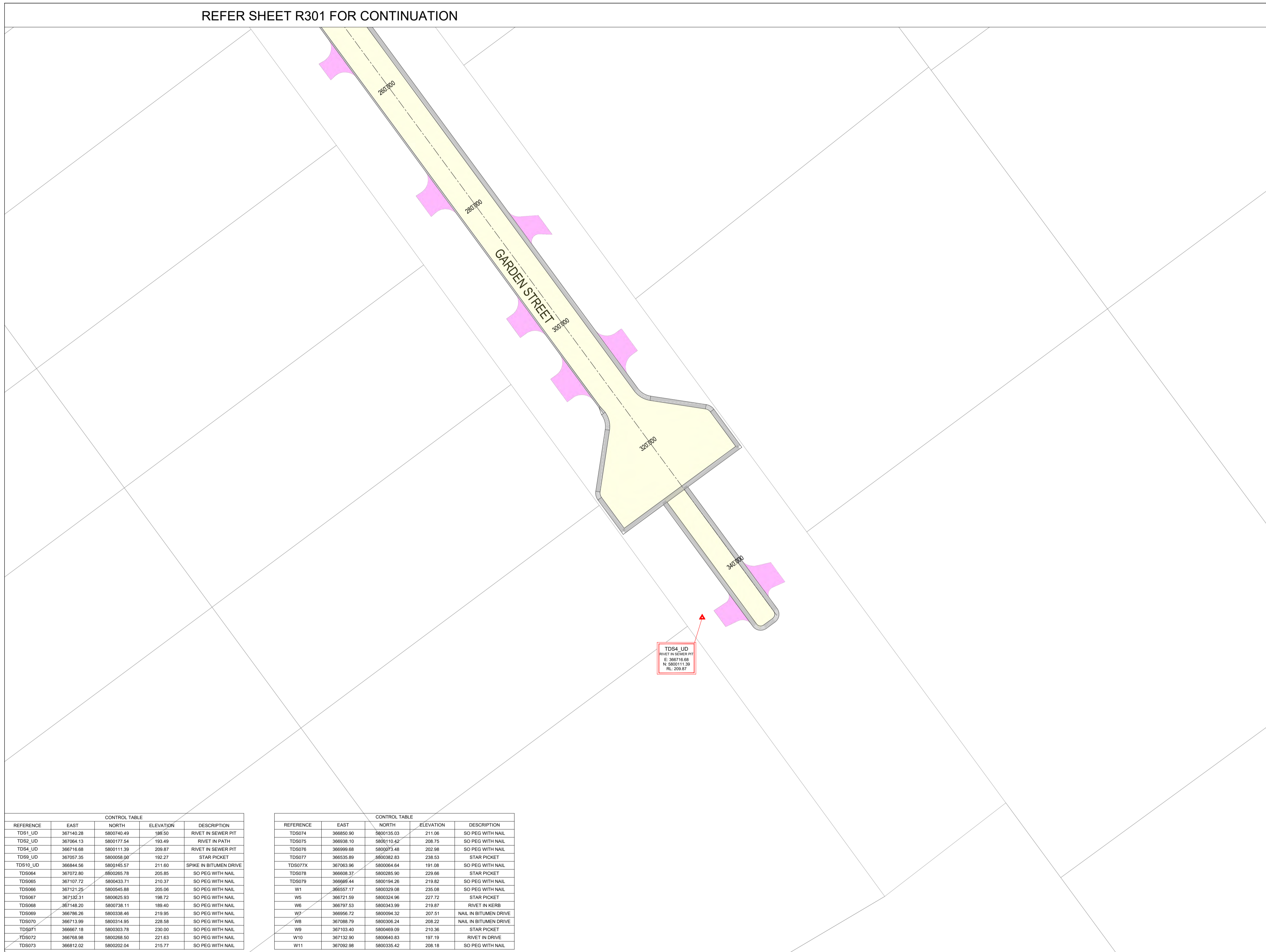
REFER SHEET R302 FOR CONTINUATION

<b>REVISION</b>	<b>DATE</b>	<b>ISSUE DESCRIPTION</b>	<b>DRAWN</b>	<b>DESIGNED</b>	<b>APPROVED</b>	<b>CLIENT</b>	<b>PROJECT</b>	<b>DRAWING TITLE</b>	<b>STATUS</b>	<b>SCALE AT A1</b>	<b>DRAWN</b>	<b>DESIGNED</b>
						Suite 1, 2 Bloomsbury Street Geelong, VIC, Australia 3220	<b>SEALING THE HILLS COCKATOO BAKER-GLEN PACKAGE</b>	<b>CARDINIA PACKAGE 10 - GEOMETRIC &amp; PAVEMENT PLAN - 2</b>	<b>TENDER NOT FOR CONSTRUCTION</b>	1:500 @ A1	S.DEVGAN	M.RAHMAN
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.					PROJECT ENGINEER M.TROUNCE	PROJECT MANAGER T.PALIOS	DATE FIRST ISSUE SEP 2021
										PROJECT NO. <b>210152</b>	DRAWING NO. <b>R301</b>	REVISION <b>A</b>

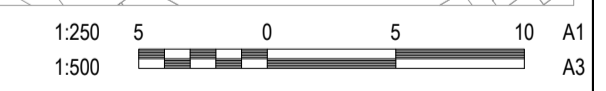
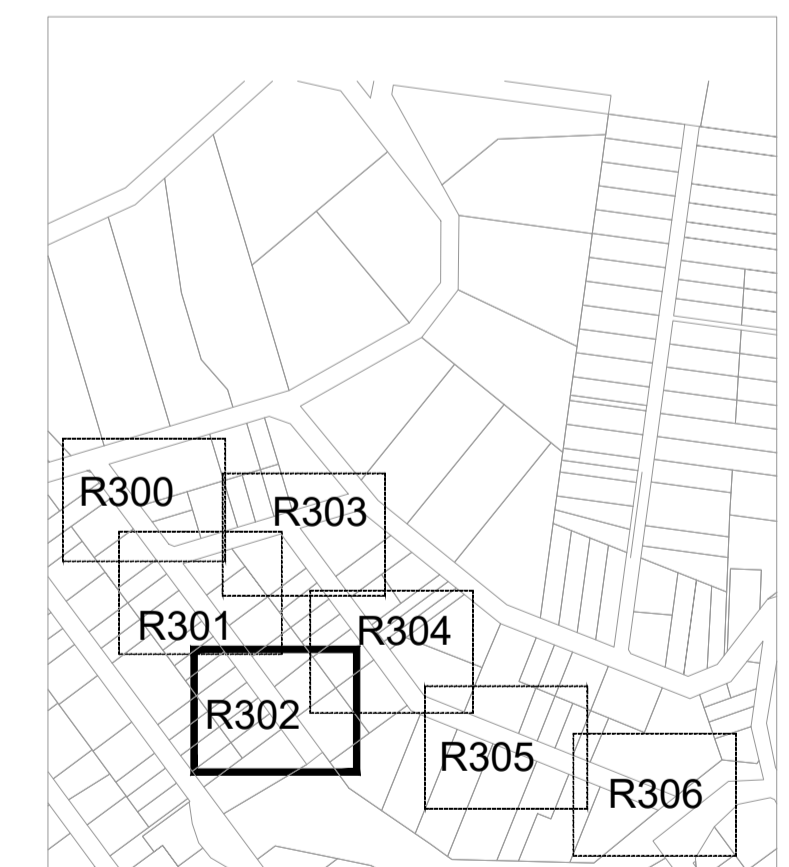
REFER SHEET R301 FOR CONTINUATION



- PAVEMENT TYPE - A
- PAVEMENT TYPE - B
- PAVEMENT TYPE - C



SHEET KEYMAP



REFERENCE	EAST	NORTH	ELEVATION	DESCRIPTION
TDS1_UD	367140.28	5800740.49	189.50	RIVET IN SEWER PIT
TDS2_UD	367084.13	5800777.54	193.49	RIVET IN PATH
TDS4_UD	367116.68	580011.39	209.87	RIVET IN SEWER PIT
TDS9_UD	367097.35	5800058.08	192.27	STAR PICKET
TDS10_UD	366844.56	5800145.57	211.60	SPIKE IN BITUMEN DRIVE
TDS064	367072.80	5800265.78	205.85	SO PEG WITH NAIL
TDS065	367107.72	5800433.71	210.37	SO PEG WITH NAIL
TDS066	367121.25	5800545.88	205.06	SO PEG WITH NAIL
TDS067	367132.31	5800625.93	198.72	SO PEG WITH NAIL
TDS068	367148.20	5800738.11	189.40	SO PEG WITH NAIL
TDS069	366786.26	5800338.46	219.95	SO PEG WITH NAIL
TDS070	366713.99	5800314.95	228.58	SO PEG WITH NAIL
TDS071	366667.18	5800303.78	230.00	SO PEG WITH NAIL
TDS072	366188.88	5800268.50	221.63	SO PEG WITH NAIL
TDS073	366512.02	5800202.04	215.77	SO PEG WITH NAIL

REFERENCE	EAST	NORTH	ELEVATION	DESCRIPTION
TDS074	366850.90	5800135.03	211.06	SO PEG WITH NAIL
TDS075	366938.10	5800110.42	208.75	SO PEG WITH NAIL
TDS076	366999.68	5800375.48	202.96	SO PEG WITH NAIL
TDS077	366535.89	8500382.83	238.53	STAR PICKET
TDS077X	367063.96	5800064.64	191.08	SO PEG WITH NAIL
TDS078	366608.37	5800285.90	229.66	STAR PICKET
TDS079	366669.44	5800194.26	219.82	SO PEG WITH NAIL
W1	366957.17	5800329.08	235.08	SO PEG WITH NAIL
W5	366721.59	5800324.96	227.72	STAR PICKET
W6	366787.53	5800343.99	219.87	RIVET IN KERB
W7	366956.72	5800094.32	207.51	NAIL IN BITUMEN DRIVE
W8	367088.79	5800306.24	208.22	NAIL IN BITUMEN DRIVE
W9	367103.40	5800469.09	210.36	STAR PICKET
W10	367132.90	5800440.83	197.19	RIVET IN DRIVE
W11	367062.98	5800335.42	208.18	SO PEG WITH NAIL

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.

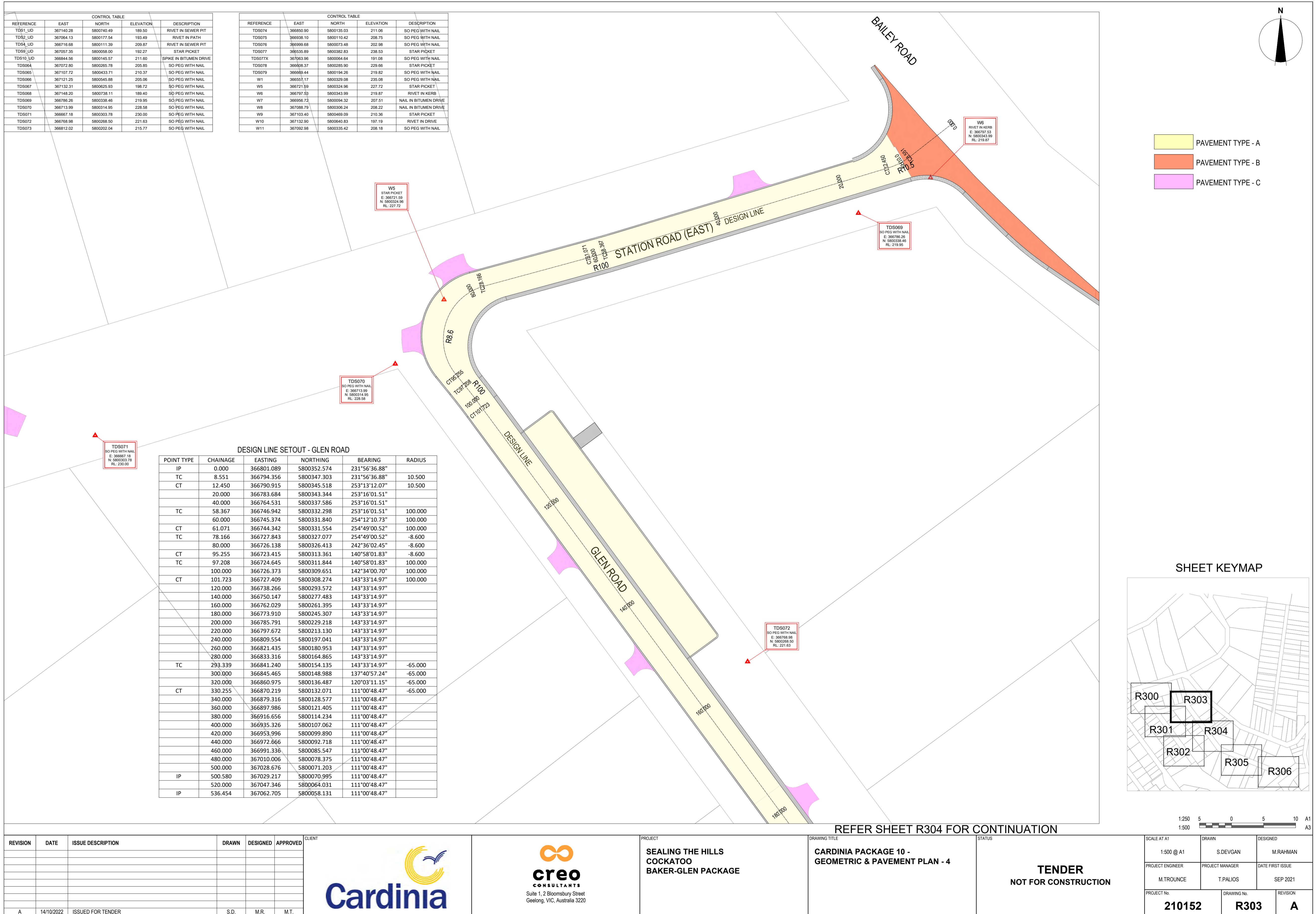


PROJECT  
**SEALING THE HILLS  
 COCKATOO  
 BAKER-GLEN PACKAGE**

DRAWING TITLE  
**CARDINIA PACKAGE 10 -  
 GEOMETRIC & PAVEMENT PLAN - 3**

STATUS  
**TENDER  
 NOT FOR CONSTRUCTION**

SCALE AT A1 1:500 @ A1	DRAWN S.DEVGAN	DESIGNED M.RAHMAN
PROJECT ENGINEER M.TROUNCE	PROJECT MANAGER T.PALIOS	DATE FIRST ISSUE SEP 2021
PROJECT No. <b>210152</b>	DRAWING No. <b>R303</b>	REVISION <b>A</b>



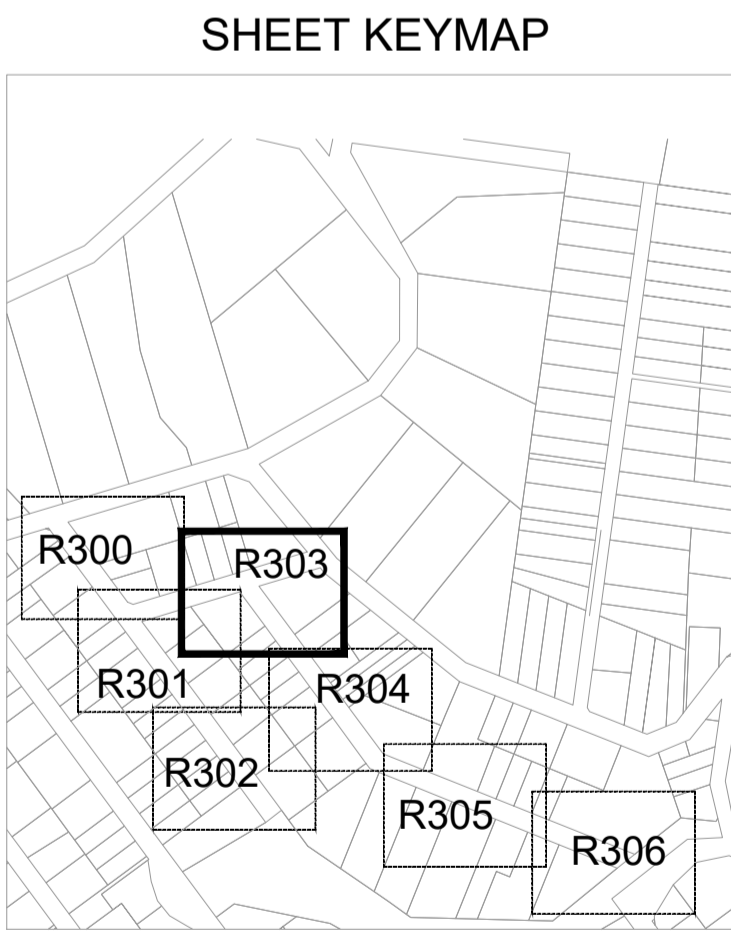
REFERENCE	EAST	NORTH	ELEVATION	DESCRIPTION
TDS1_UD	387140.28	580070.49	189.50	RIVET IN SEWER PIT
TDS2_UD	387084.13	580077.54	193.49	RIVET IN PATH
TDS4_UD	386716.68	580011.39	209.87	RIVET IN SEWER PIT
TDS9_UD	387037.35	580058.00	192.27	STAR PICKET
TDS10_UD	386844.56	580045.57	211.60	SPIKE IN BITUMEN DRIVE
TDS064	387072.80	580026.78	205.85	SO PEG WITH NAIL
TDS065	387107.72	580043.71	210.37	SO PEG WITH NAIL
TDS066	387121.25	580054.88	205.06	SO PEG WITH NAIL
TDS067	387132.31	580025.93	198.72	SO PEG WITH NAIL
TDS068	387148.20	580028.11	189.40	SO PEG WITH NAIL
TDS069	386786.26	580038.46	219.95	SO PEG WITH NAIL
TDS070	386713.99	580034.95	228.58	SO PEG WITH NAIL
TDS071	386687.18	580030.78	230.00	SO PEG WITH NAIL
TDS072	386768.98	580028.50	221.63	SO PEG WITH NAIL
TDS073	386812.02	580022.04	215.77	SO PEG WITH NAIL

REFERENCE	EAST	NORTH	ELEVATION	DESCRIPTION
TDS074	386850.90	5800135.03	211.06	SO PEG WITH NAIL
TDS075	386938.10	5800110.42	208.75	SO PEG WITH NAIL
TDS076	386999.88	5800073.48	202.98	SO PEG WITH NAIL
TDS077	386935.89	5800382.83	238.53	STAR PICKET
TDS077X	387083.96	5800094.64	191.08	SO PEG WITH NAIL
TDS078	386968.37	5800285.90	228.66	STAR PICKET
TDS079	386669.44	5800194.26	219.82	SO PEG WITH NAIL
W1	386557.17	5800329.08	235.08	SO PEG WITH NAIL
W5	386721.99	5800324.96	227.72	STAR PICKET
W6	386797.52	5800343.99	219.87	RIVET IN KERB
W7	386958.72	5800094.32	207.51	NAIL IN BITUMEN DRIVE
W8	387088.79	5800306.24	208.22	NAIL IN BITUMEN DRIVE
W9	387103.40	5800469.09	210.36	STAR PICKET
W10	387132.90	5800640.83	197.19	RIVET IN DRIVE
W11	387092.98	5800335.42	208.18	SO PEG WITH NAIL

DESIGN LINE SETOUT - GLEN ROAD

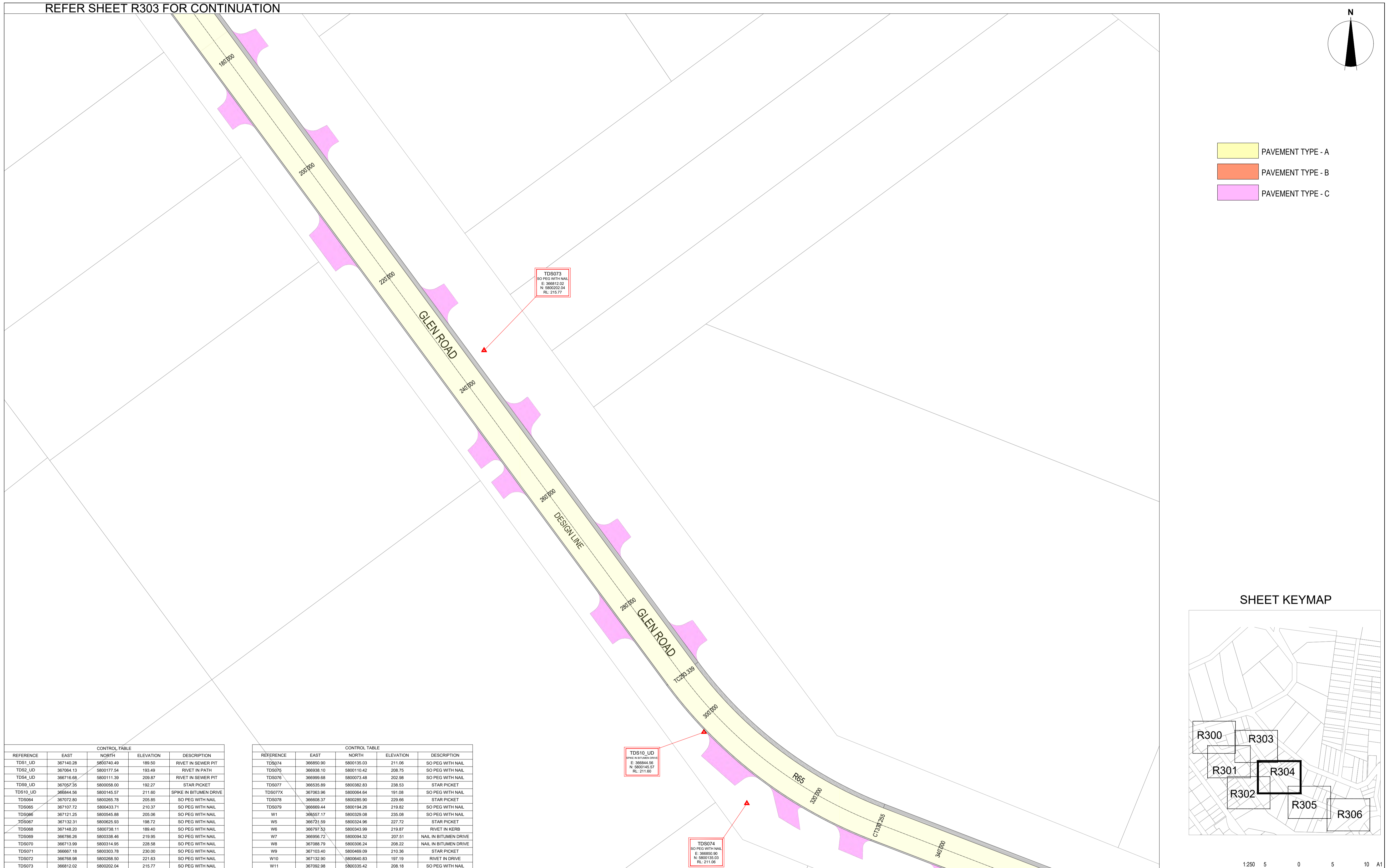
POINT TYPE	CHAINAGE	EASTING	NORTHING	BEARING	RADIUS
IP	0.000	366801.089	5800352.574	231°56'36.88"	
TC	8.551	366794.356	5800347.303	231°56'36.88"	10.500
CT	12.450	366790.915	5800345.518	253°13'12.07"	10.500
	20.000	366783.684	5800343.344	253°16'01.51"	
	40.000	366764.531	5800337.586	253°16'01.51"	
TC	58.367	366746.942	5800332.298	253°16'01.51"	100.000
	60.000	366745.374	5800331.840	254°12'10.73"	100.000
CT	61.071	366744.342	5800331.554	254°49'00.52"	100.000
TC	78.166	366727.843	5800327.077	254°49'00.52"	-8.600
	80.000	366726.138	5800326.413	242°36'02.45"	-8.600
CT	95.255	366723.415	5800313.361	140°58'01.83"	-8.600
TC	97.208	366724.645	5800311.844	140°58'01.83"	100.000
	100.000	366726.373	5800309.651	142°34'00.70"	100.000
CT	101.723	366727.409	5800308.274	143°33'14.97"	100.000
	120.000	366738.266	5800293.572	143°33'14.97"	
	140.000	366750.147	5800277.483	143°33'14.97"	
	160.000	366762.029	5800261.395	143°33'14.97"	
	180.000	366773.910	5800245.307	143°33'14.97"	
	200.000	366785.791	5800229.218	143°33'14.97"	
	220.000	366797.672	5800213.130	143°33'14.97"	
	240.000	366809.554	5800197.041	143°33'14.97"	
	260.000	366821.435	5800180.953	143°33'14.97"	
	280.000	366833.316	5800164.865	143°33'14.97"	
TC	293.339	366841.240	5800154.135	143°33'14.97"	-65.000
	300.000	366845.465	5800148.988	137°40'57.24"	-65.000
	320.000	366860.975	5800136.487	120°03'11.15"	-65.000
CT	330.255	366870.219	5800132.071	111°00'48.47"	-65.000
	340.000	366879.316	5800128.577	111°00'48.47"	
	360.000	366897.986	5800121.405	111°00'48.47"	
	380.000	366916.656	5800114.234	111°00'48.47"	
	400.000	366935.326	5800107.062	111°00'48.47"	
	420.000	366953.996	5800099.890	111°00'48.47"	
	440.000	366972.666	5800092.718	111°00'48.47"	
	460.000	366991.336	5800085.547	111°00'48.47"	
	480.000	367010.006	5800078.375	111°00'48.47"	
	500.000	367028.676	5800071.203	111°00'48.47"	
IP	500.580	367029.217	5800070.995	111°00'48.47"	
	520.000	367047.346	5800064.031	111°00'48.47"	
IP	536.454	367062.705	5800058.131	111°00'48.47"	

- PAVEMENT TYPE - A
- PAVEMENT TYPE - B
- PAVEMENT TYPE - C



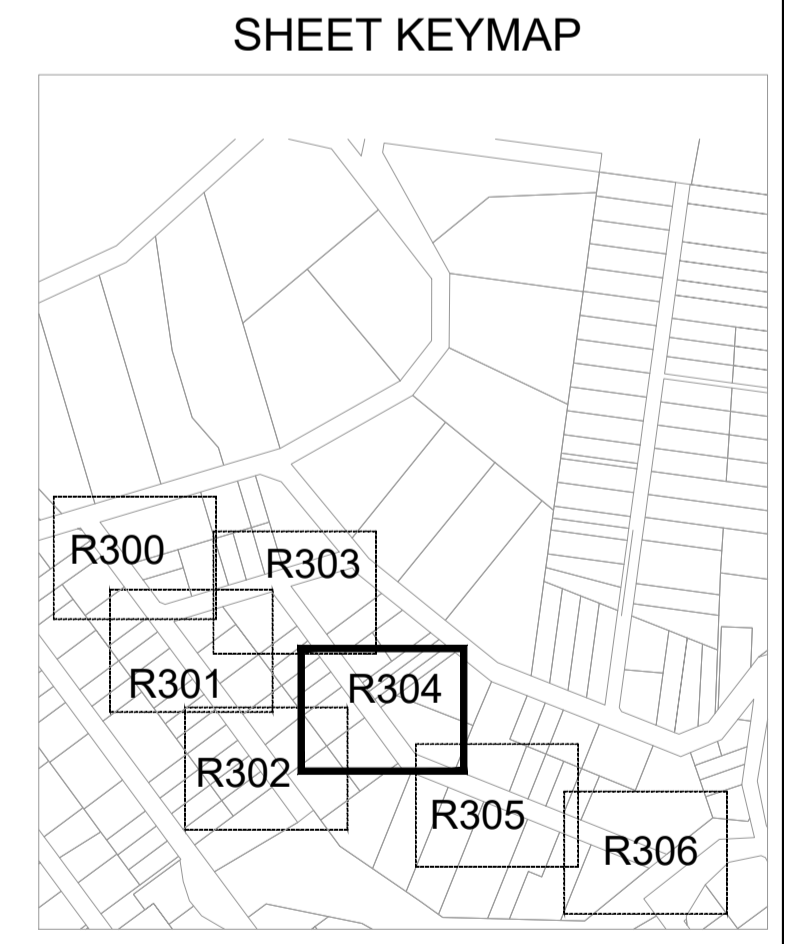
REFER SHEET R304 FOR CONTINUATION

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED	PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE	PROJECT NO.	DRAWING NO.	REVISION	
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.		 Suite 1, 2 Bloomsbury Street Geelong, VIC, Australia 3220	SEALING THE HILLS COCKATOO BAKER-GLEN PACKAGE	CARDINIA PACKAGE 10 - GEOMETRIC & PAVEMENT PLAN - 4	TENDER NOT FOR CONSTRUCTION	1:500 @ A1	S.DEVGAN	M.RAHMAN	M.TROUNCE	T.PALIOS	SEP 2021	210152	R303	A



REFERENCE	EAST	NORTH	ELEVATION	DESCRIPTION
TDS1_UD	367140.28	5800740.49	189.20	RIVET IN SEWER PIT
TDS2_UD	367364.13	5800171.54	193.48	RIVET IN PATH
TDS4_UD	366716.68	5800111.39	209.87	RIVET IN SEWER PIT
TDS9_UD	367057.35	5800058.00	192.27	STAR PICKET
TDS10_UD	366844.56	5800145.57	211.60	SPIKE IN BITUMEN DRIVE
TDS064	367072.80	5800265.78	205.85	SO PEG WITH NAIL
TDS065	367107.72	5800433.71	210.37	SO PEG WITH NAIL
TDS066	367121.25	5800545.88	205.06	SO PEG WITH NAIL
TDS067	367132.31	5800625.93	198.72	SO PEG WITH NAIL
TDS068	367148.20	5800738.11	189.40	SO PEG WITH NAIL
TDS069	366786.26	5800338.46	219.95	SO PEG WITH NAIL
TDS070	366713.99	5800314.95	228.58	SO PEG WITH NAIL
TDS071	366897.18	5800330.78	220.00	SO PEG WITH NAIL
TDS072	366768.98	5800268.50	221.63	SO PEG WITH NAIL
TDS073	366812.02	5800202.04	215.77	SO PEG WITH NAIL

REFERENCE	EAST	NORTH	ELEVATION	DESCRIPTION
TDS074	366950.90	5800130.03	211.06	SO PEG WITH NAIL
TDS075	366938.10	5800110.42	208.75	SO PEG WITH NAIL
TDS076	366999.68	5800073.48	202.98	SO PEG WITH NAIL
TDS077	366535.89	5800382.83	238.53	STAR PICKET
TDS077X	367063.96	5800064.64	191.08	SO PEG WITH NAIL
TDS078	366608.37	5800285.90	229.66	STAR PICKET
TDS079	366999.44	5800194.26	219.82	SO PEG WITH NAIL
W1	366507.17	5800329.08	235.08	SO PEG WITH NAIL
W5	366721.59	5800324.96	227.72	STAR PICKET
W6	366797.53	5800343.99	219.87	RIVET IN KERB
W7	366956.72	5800094.32	207.51	NAIL IN BITUMEN DRIVE
W8	367088.79	5800306.24	208.22	NAIL IN BITUMEN DRIVE
W9	367103.40	5800409.09	210.36	STAR PICKET
W10	367132.90	5800440.83	197.19	RIVET IN DRIVE
W11	367092.98	5800335.42	208.18	SO PEG WITH NAIL



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.



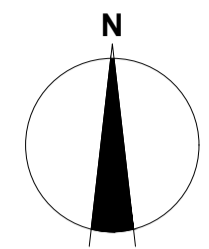
PROJECT  
**SEALING THE HILLS  
COCKATOO  
BAKER-GLEN PACKAGE**

DRAWING TITLE  
**CARDINIA PACKAGE 10 -  
GEOMETRIC & PAVEMENT PLAN - 5**

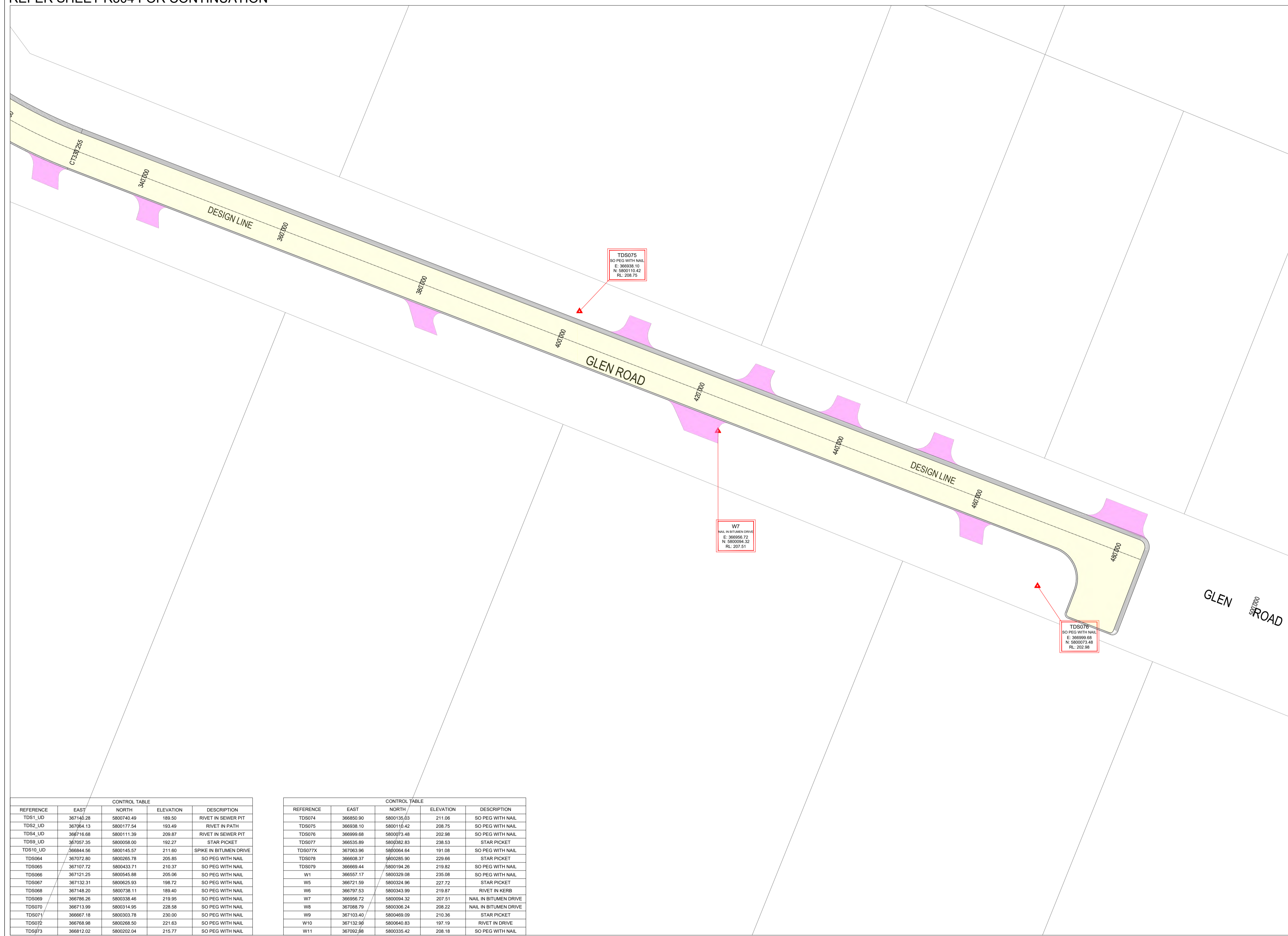
STATUS  
**TENDER  
NOT FOR CONSTRUCTION**

SCALE AT A1 1:500 @ A1	DRAWN S.DEVGAN	DESIGNED M.RAHMAN
PROJECT ENGINEER M.TROUNCE	PROJECT MANAGER T.PALIOS	DATE FIRST ISSUE SEP 2021
PROJECT NO. <b>210152</b>	DRAWING NO. <b>R304</b>	REVISION <b>A</b>

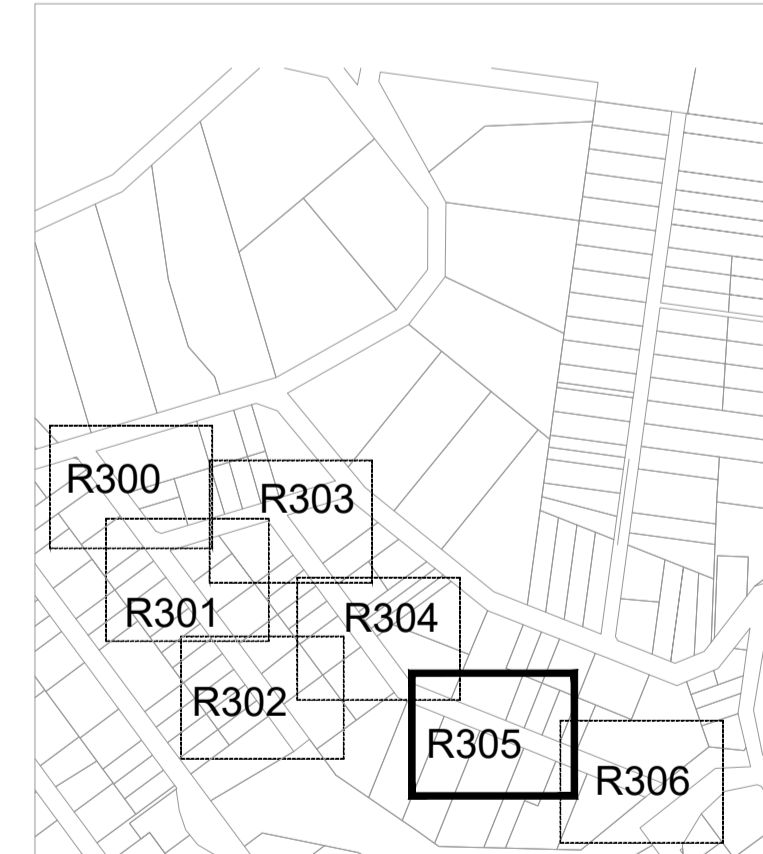
REFER SHEET R304 FOR CONTINUATION



- PAVEMENT TYPE - A
- PAVEMENT TYPE - B
- PAVEMENT TYPE - C



SHEET KEYMAP



REFERENCE	EAST	NORTH	ELEVATION	DESCRIPTION
TDS1_UD	367144.28	5800740.49	195.50	RIVET IN SEWER PIT
TDS2_UD	367084.13	5800177.54	193.49	RIVET IN PATH
TDS4_UD	366716.68	5800111.39	209.87	RIVET IN SEWER PIT
TDS9_UD	367057.35	5800058.00	192.27	STAR PICKET
TDS10_UD	366844.56	5800145.57	211.60	SPIKE IN BITUMEN DRIVE
TDS64	367072.80	5800265.78	205.85	SO PEG WITH NAIL
TDS65	367107.72	5800433.71	210.37	SO PEG WITH NAIL
TDS66	367121.25	5800545.88	205.06	SO PEG WITH NAIL
TDS67	367132.31	5800625.93	198.72	SO PEG WITH NAIL
TDS68	367148.20	5800738.11	189.40	SO PEG WITH NAIL
TDS69	366786.26	5800338.46	219.95	SO PEG WITH NAIL
TDS70	366713.49	5800314.95	228.58	SO PEG WITH NAIL
TDS71	366667.18	5800303.78	230.00	SO PEG WITH NAIL
TDS72	366768.98	5800268.50	221.63	SO PEG WITH NAIL
TDS73	366812.02	5800202.04	215.77	SO PEG WITH NAIL

REFERENCE	EAST	NORTH	ELEVATION	DESCRIPTION
TDS074	366850.90	5800135.53	211.06	SO PEG WITH NAIL
TDS075	366938.10	5800115.42	208.75	SO PEG WITH NAIL
TDS076	366999.68	5800073.48	202.98	SO PEG WITH NAIL
TDS077	366535.89	5800382.83	238.53	STAR PICKET
TDS077X	367063.96	5800064.64	191.08	SO PEG WITH NAIL
TDS078	366908.37	5800285.90	229.66	STAR PICKET
TDS079	366669.44	5800194.26	219.82	SO PEG WITH NAIL
W1	366557.17	5800329.08	235.08	SO PEG WITH NAIL
W5	366721.59	5800324.96	227.72	STAR PICKET
W6	366797.53	5800343.99	219.87	RIVET IN KERB
W7	366956.72	5800094.32	207.51	NAIL IN BITUMEN DRIVE
W8	367088.78	5800308.24	208.22	NAIL IN BITUMEN DRIVE
W9	367103.40	5800469.09	210.36	STAR PICKET
W10	367132.90	5800640.83	197.19	RIVET IN DRIVE
W11	367092.88	5800335.42	208.18	SO PEG WITH NAIL

REFER SHEET R306 FOR CONTINUATION

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.



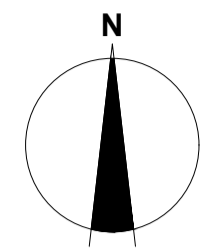
PROJECT  
**SEALING THE HILLS  
 COCKATOO  
 BAKER-GLEN PACKAGE**

DRAWING TITLE  
**CARDINIA PACKAGE 10 -  
 GEOMETRIC & PAVEMENT PLAN - 6**

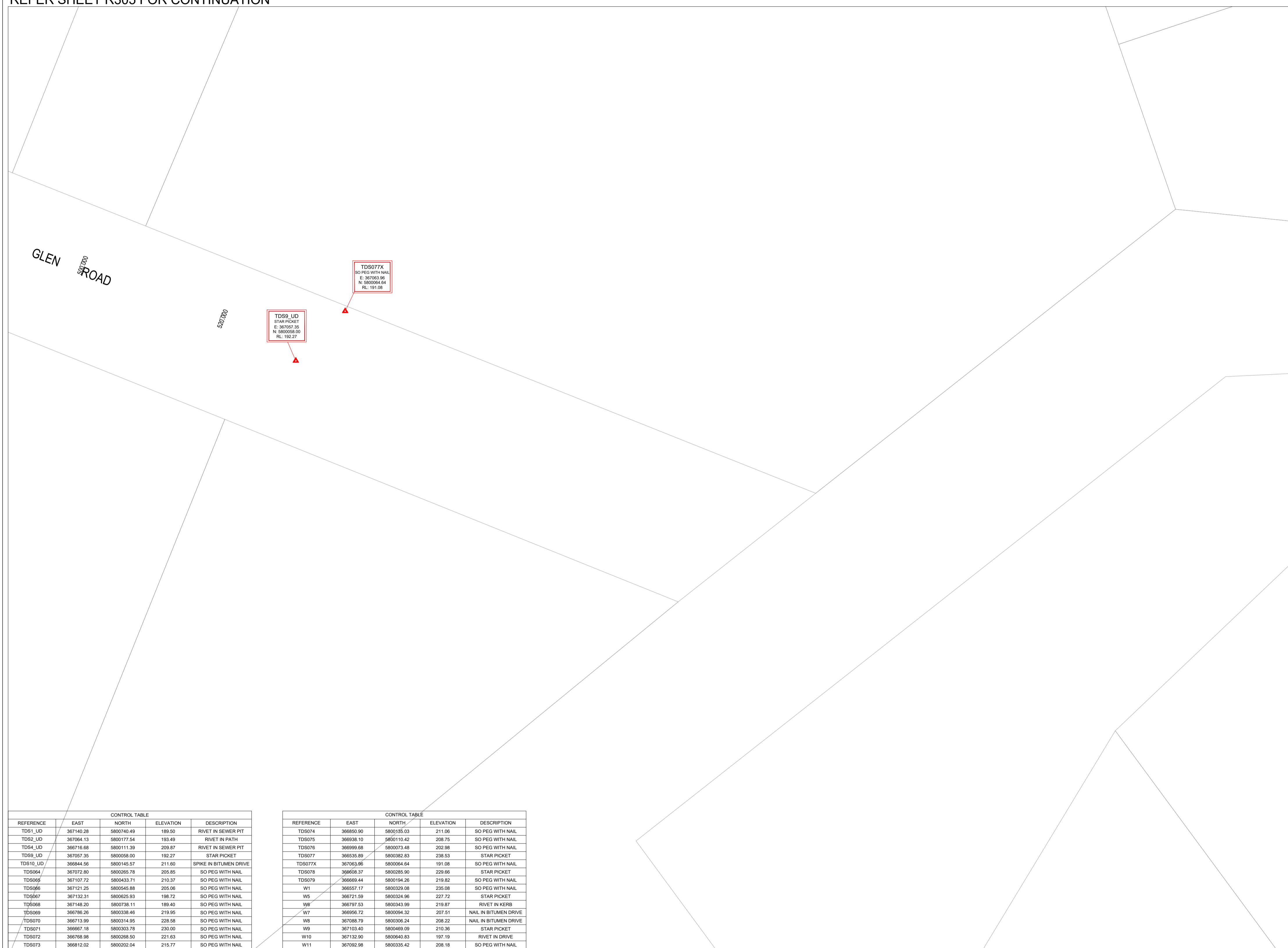
STATUS  
**TENDER  
 NOT FOR CONSTRUCTION**

SCALE AT A1 1:500 @ A1	DRAWN S.DEVGAN	DESIGNED M.RAHMAN
PROJECT ENGINEER M.TROUNCE	PROJECT MANAGER T.PALIOS	DATE FIRST ISSUE SEP 2021
PROJECT NO. <b>210152</b>	DRAWING NO. <b>R305</b>	REVISION <b>A</b>

REFER SHEET R305 FOR CONTINUATION



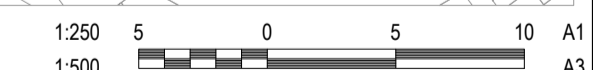
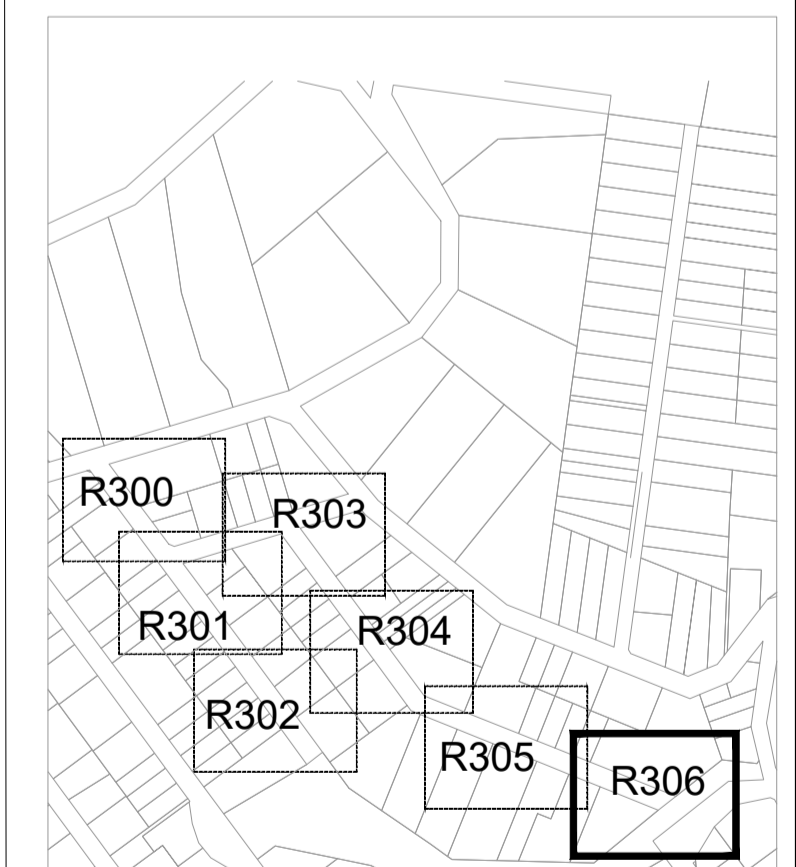
- PAVEMENT TYPE - A
- PAVEMENT TYPE - B
- PAVEMENT TYPE - C



REFERENCE	EAST	NORTH	ELEVATION	DESCRIPTION
TDS1_UD	367140.28	5800740.49	189.50	RIVET IN SEWER PIT
TDS2_UD	367064.13	5800177.54	193.49	RIVET IN PATH
TDS4_UD	366716.68	5800111.39	209.87	RIVET IN SEWER PIT
TDS9_UD	367057.35	5800268.00	192.27	STAR PICKET
TDS10_UD	366844.56	5800145.57	211.60	SPIKE IN BITUMEN DRIVE
TDS04	367072.80	5800265.78	205.85	SO PEG WITH NAIL
TDS05	367107.72	5800433.71	210.37	SO PEG WITH NAIL
TDS06	367121.25	5800545.88	205.06	SO PEG WITH NAIL
TDS07	367132.31	5800625.93	198.72	SO PEG WITH NAIL
TDS08	367148.20	5800738.11	189.40	SO PEG WITH NAIL
TDS09	367186.28	5800338.46	219.95	SO PEG WITH NAIL
TDS070	366713.99	5800314.95	228.58	SO PEG WITH NAIL
TDS071	366667.18	5800303.78	230.00	SO PEG WITH NAIL
TDS072	366768.98	5800268.50	221.63	SO PEG WITH NAIL
TDS073	366812.02	5800202.04	215.77	SO PEG WITH NAIL

REFERENCE	EAST	NORTH	ELEVATION	DESCRIPTION
TDS074	366850.90	5800135.03	211.06	SO PEG WITH NAIL
TDS075	366938.10	5800110.42	208.75	SO PEG WITH NAIL
TDS076	366999.68	5800073.48	202.98	SO PEG WITH NAIL
TDS077	366535.89	5800382.83	238.53	STAR PICKET
TDS077X	36703.96	5800064.64	191.08	SO PEG WITH NAIL
TDS078	366608.37	5800265.90	226.66	STAR PICKET
TDS079	366669.44	5800194.26	219.82	SO PEG WITH NAIL
W1	366557.17	5800329.08	235.08	SO PEG WITH NAIL
W5	366721.59	5800324.96	227.72	STAR PICKET
W6	366797.53	5800343.99	219.87	RIVET IN KERB
W7	366956.72	5800094.32	207.51	NAIL IN BITUMEN DRIVE
W8	367088.79	5800306.24	208.22	NAIL IN BITUMEN DRIVE
W9	367103.40	5800469.09	210.36	STAR PICKET
W10	367132.90	5800640.83	197.19	RIVET IN DRIVE
W11	367092.98	5800335.42	208.18	SO PEG WITH NAIL

SHEET KEYMAP



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.



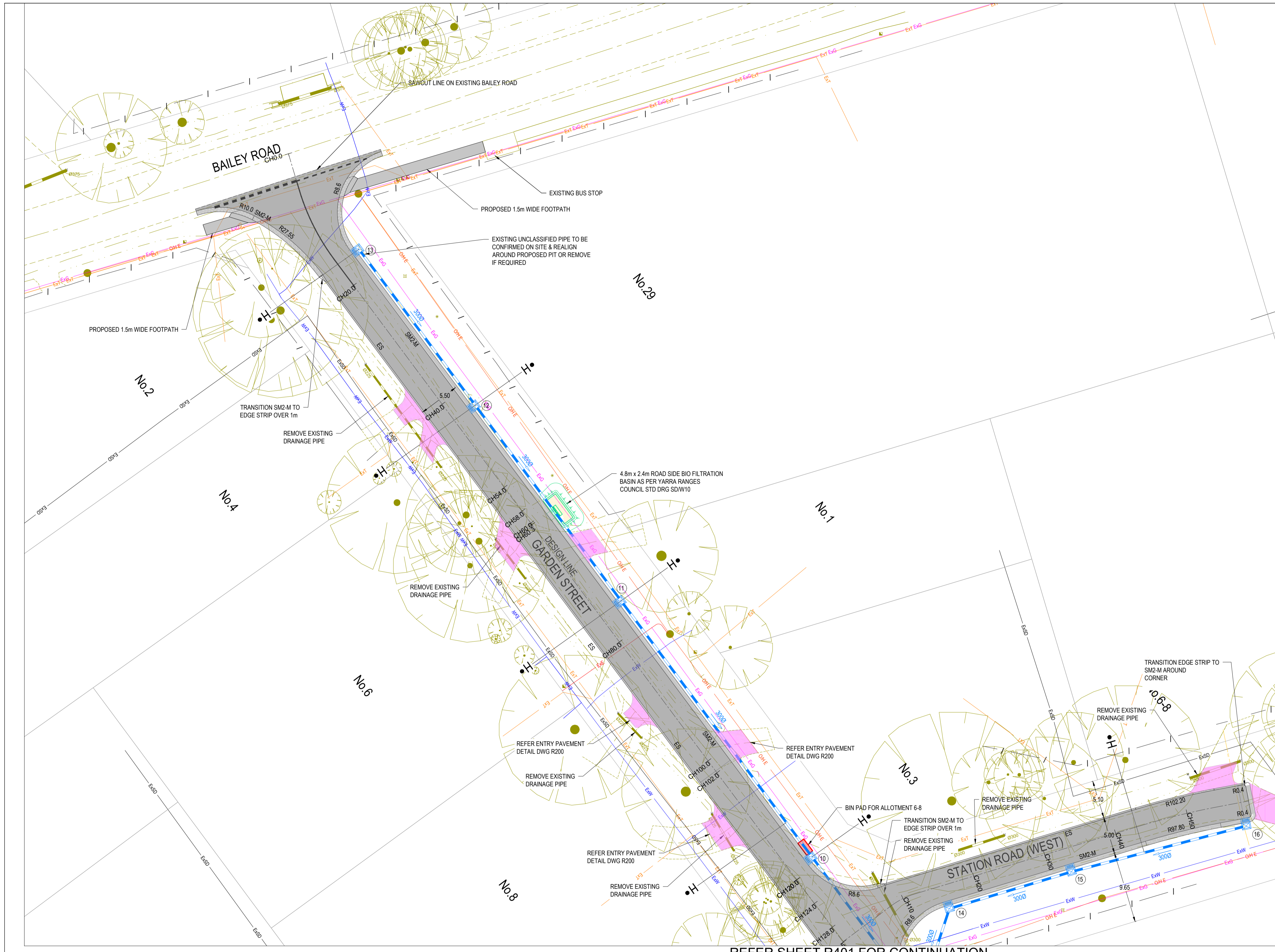
PROJECT  
**SEALING THE HILLS  
 COCKATOO  
 BAKER-GLEN PACKAGE**

DRAWING TITLE  
**CARDINIA PACKAGE 10 -  
 GEOMETRIC & PAVEMENT PLAN - 7**

STATUS  
**TENDER  
 NOT FOR CONSTRUCTION**

SCALE AT A1 1:500 @ A1	DRAWN S.DEVGAN	DESIGNED M.RAHMAN
PROJECT ENGINEER M.TROUNCE	PROJECT MANAGER T.PALIOS	DATE FIRST ISSUE SEP 2021
PROJECT NO. <b>210152</b>	DRAWING NO. <b>R306</b>	REVISION <b>A</b>





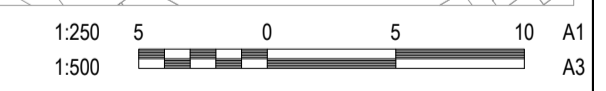
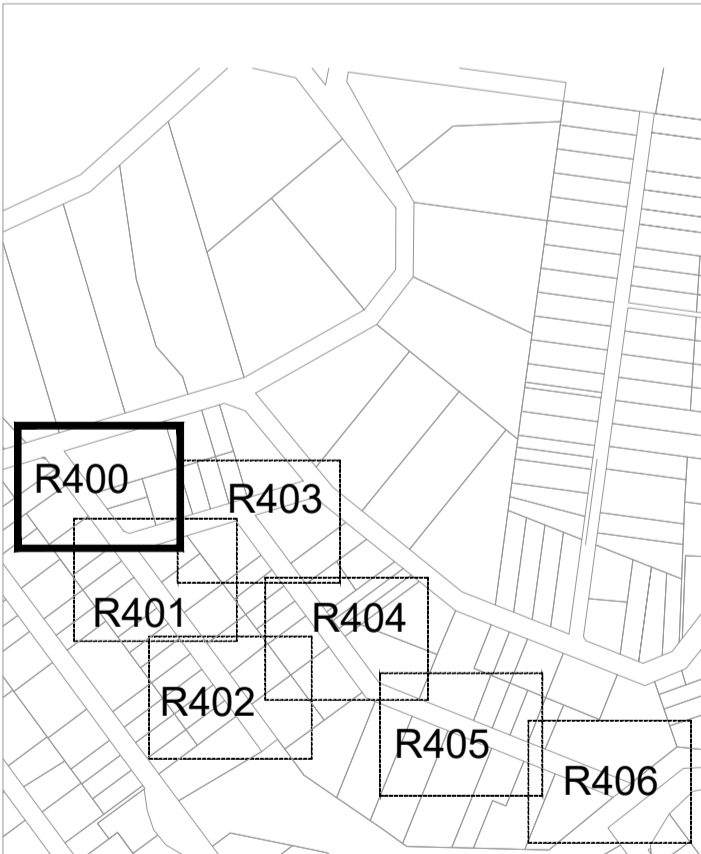
**LEGEND - LAYOUT PLAN**

- Ex E - EXISTING ELECTRICITY (UNDERGROUND)
- OH E - EXISTING ELECTRICITY (OVERHEAD)
- Ex G - EXISTING GAS
- Ex O - EXISTING OPTIC FIBRE
- Ex T - EXISTING TELSTRA
- Ex W - EXISTING WATER
- Ex RW - EXISTING RECYCLED WATER
- Ex D - EXISTING STORMWATER DRAIN
- Ex S - EXISTING SEWER
- H - EXISTING HOUSE DRAIN
- > - EXISTING SWALE DRAIN
- [Symbol] - GRATED SIDE ENTRY PIT
- [Symbol] - JUNCTION PIT
- [Symbol] - GRATED PIT
- [Symbol] - DIRECTION OF FALL
- [Symbol] - OVERLAND FLOW

**WARNING**  
**BEWARE OF UNDERGROUND & OVERHEAD SERVICES**  
 The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works  
**DIAL 1100 BEFORE YOU DIG**  
[www.1100.com.au](http://www.1100.com.au)

**NOTE:**  
 ALL EXISTING DRIVEWAYS TO BE REINSTATED

**SHEET KEYMAP**



REFER SHEET R401 FOR CONTINUATION

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.	

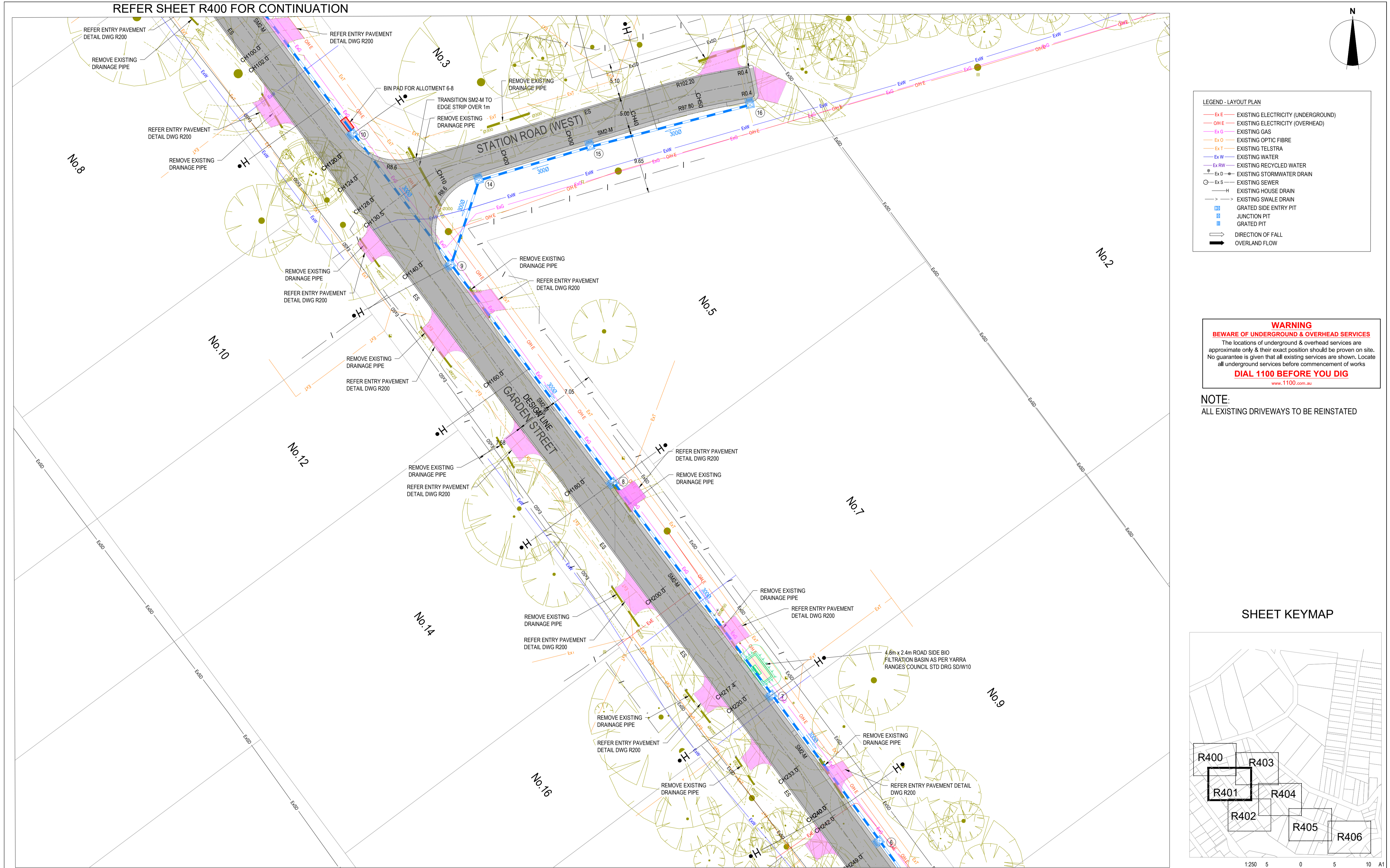


**PROJECT**  
 SEALING THE HILLS  
 COCKATOO  
 BAKER-GLEN PACKAGE

**DRAWING TITLE**  
 CARDINIA PACKAGE 10 -  
 LAYOUT PLAN GARDEN ST - SHEET 1

**STATUS**  
 TENDER  
 NOT FOR CONSTRUCTION

SCALE AT A1 1:500 @ A1	DRAWN S.DEVGAN	DESIGNED M.RAHMAN
PROJECT ENGINEER M.TROUNCE	PROJECT MANAGER T.PALIOS	DATE FIRST ISSUE SEP 2021
PROJECT NO. <b>210152</b>	DRAWING NO. <b>R400</b>	REVISION <b>A</b>

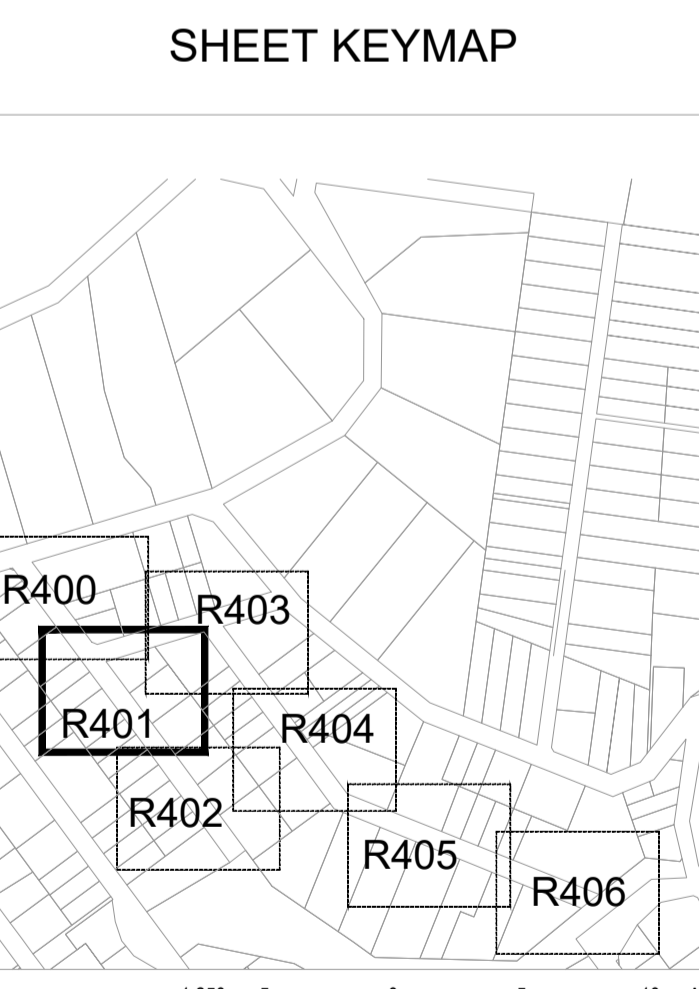


**LEGEND - LAYOUT PLAN**

- Ex E - EXISTING ELECTRICITY (UNDERGROUND)
- OH E - EXISTING ELECTRICITY (OVERHEAD)
- Ex G - EXISTING GAS
- Ex O - EXISTING OPTIC FIBRE
- Ex T - EXISTING TELSTRA
- Ex W - EXISTING WATER
- Ex RW - EXISTING RECYCLED WATER
- Ex D - EXISTING STORMWATER DRAIN
- Ex S - EXISTING SEWER
- H - EXISTING HOUSE DRAIN
- S - EXISTING SWALE DRAIN
- [Symbol] - GRATED SIDE ENTRY PIT
- [Symbol] - JUNCTION PIT
- [Symbol] - GRATED PIT
- [Symbol] - DIRECTION OF FALL
- [Symbol] - OVERLAND FLOW

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 ALL EXISTING DRIVEWAYS TO BE REINSTATED



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.	

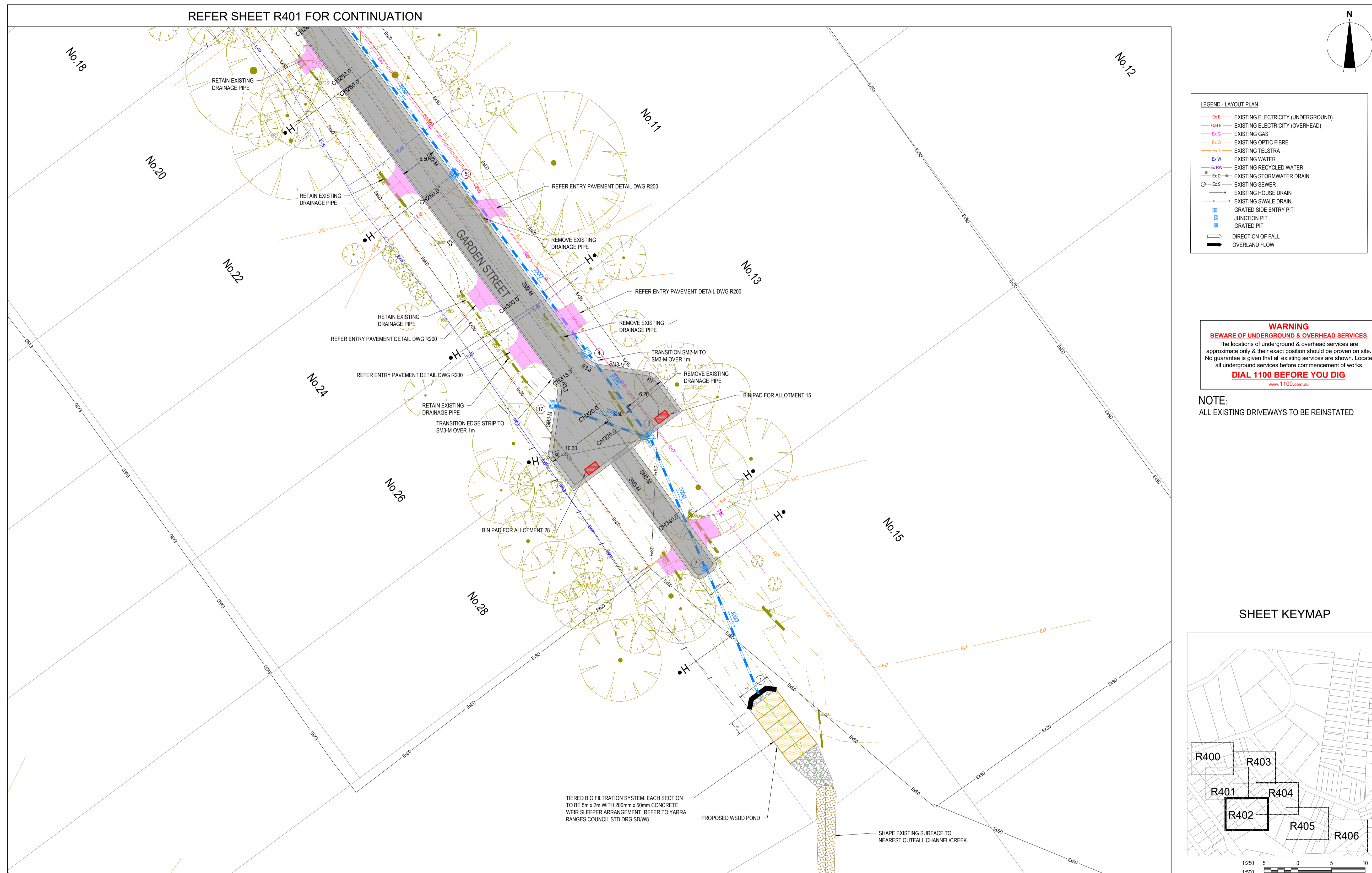


**PROJECT**  
 SEALING THE HILLS  
 COCKATOO  
 BAKER-GLEN PACKAGE

**DRAWING TITLE**  
 CARDINIA PACKAGE 10 -  
 LAYOUT PLAN GARDEN ST - SHEET 2

**STATUS**  
**TENDER**  
 NOT FOR CONSTRUCTION

SCALE AT A1	DRAWN	DESIGNED
1:500 @ A1	S.DEVGAN	M.RAHMAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	SEP 2021
PROJECT NO.	DRAWING NO.	REVISION
<b>210152</b>	<b>R401</b>	<b>A</b>

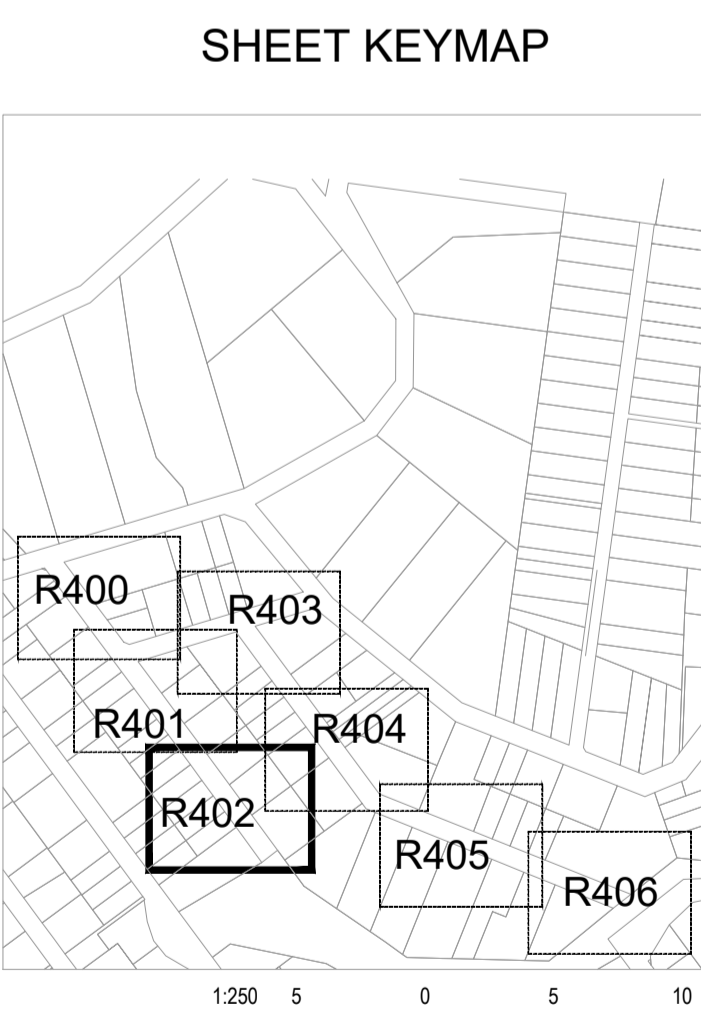


**LEGEND - LAYOUT PLAN**

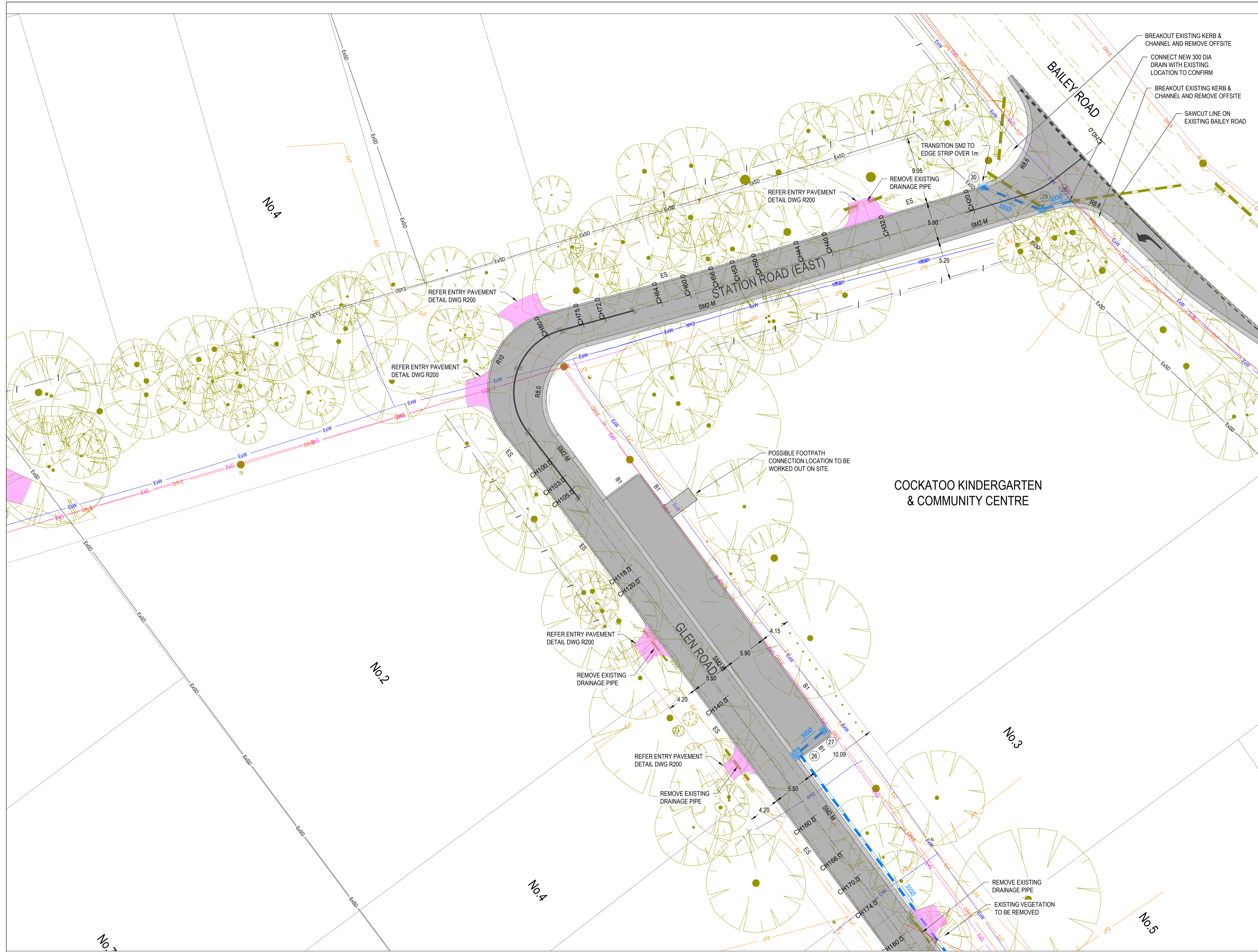
- Ex E - EXISTING ELECTRICITY (UNDERGROUND)
- OH E - EXISTING ELECTRICITY (OVERHEAD)
- Ex G - EXISTING GAS
- Ex O - EXISTING OPTIC FIBRE
- Ex T - EXISTING TELSTRA
- Ex W - EXISTING WATER
- Ex RW - EXISTING RECYCLED WATER
- Ex D - EXISTING STORMWATER DRAIN
- Ex S - EXISTING SEWER
- H - EXISTING HOUSE DRAIN
- SW - EXISTING SWALE DRAIN
- [Symbol] - GRATED SIDE ENTRY PIT
- [Symbol] - JUNCTION PIT
- [Symbol] - GRATED PIT
- [Symbol] - DIRECTION OF FALL
- [Symbol] - OVERLAND FLOW

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**NOTE:**  
 ALL EXISTING DRIVEWAYS TO BE REINSTATED



<b>REVISION</b>	<b>DATE</b>	<b>ISSUE DESCRIPTION</b>	<b>DRAWN</b>	<b>DESIGNED</b>	<b>APPROVED</b>	<b>CLIENT</b>	<b>PROJECT</b>	<b>DRAWING TITLE</b>	<b>STATUS</b>	<b>SCALE AT A1</b>	<b>DRAWN</b>	<b>DESIGNED</b>	
						<b>Cardinia</b>	<b>creo</b> CONSULTANTS Suite 1, 2 Bloomsbury Street Geelong, VIC, Australia 3220	<b>SEALING THE HILLS                  COCKATOO                  BAKER-GLEN PACKAGE</b>	<b>CARDINIA PACKAGE 10 -                  LAYOUT PLAN GARDEN ST - SHEET 3</b>	<b>TENDER                  NOT FOR CONSTRUCTION</b>	1:500 @ A1	S.DEVGAN	M.RAHMAN
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.						M.TROUNCE	T.PALIOS	SEP 2021
										PROJECT NO.	DRAWING NO.	REVISION	
										<b>210152</b>	<b>R402</b>	<b>A</b>	

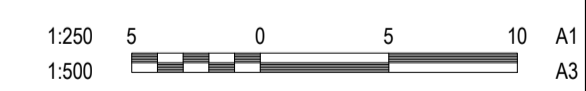
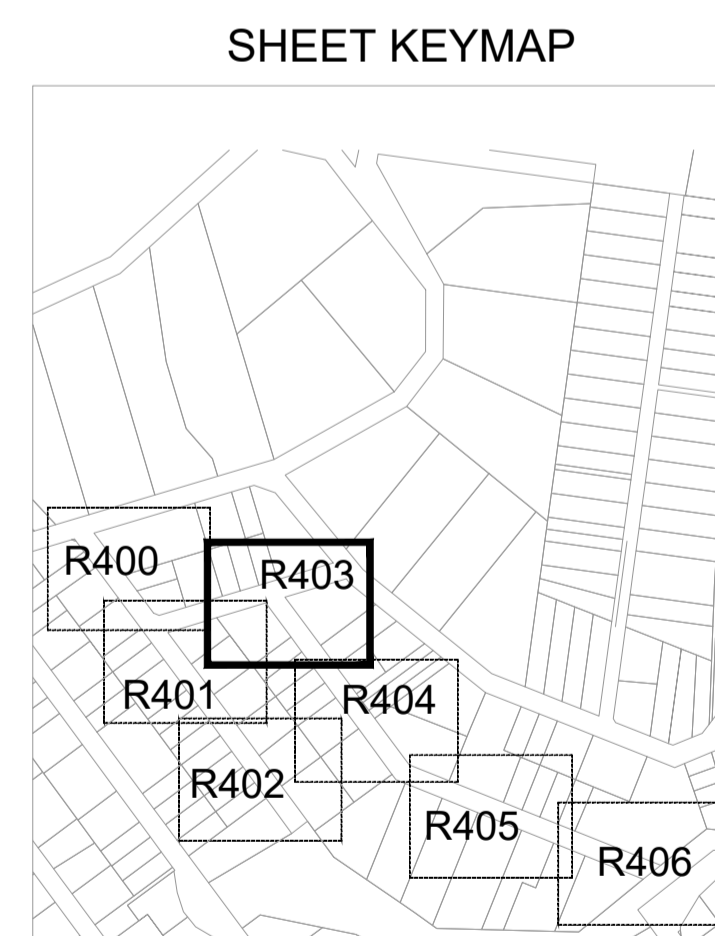


**LEGEND - LAYOUT PLAN**

- Ex E - EXISTING ELECTRICITY (UNDERGROUND)
- OH E - EXISTING ELECTRICITY (OVERHEAD)
- Ex G - EXISTING GAS
- Ex O - EXISTING OPTIC FIBRE
- Ex T - EXISTING TELSTRA
- Ex W - EXISTING WATER
- Ex RW - EXISTING RECYCLED WATER
- Ex D - EXISTING STORMWATER DRAIN
- Ex S - EXISTING SEWER
- H - EXISTING HOUSE DRAIN
- > - EXISTING SWALE DRAIN
- [Symbol] - GRATED SIDE ENTRY PIT
- [Symbol] - JUNCTION PIT
- [Symbol] - GRATED PIT
- [Symbol] - DIRECTION OF FALL
- [Symbol] - OVERLAND FLOW

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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.	



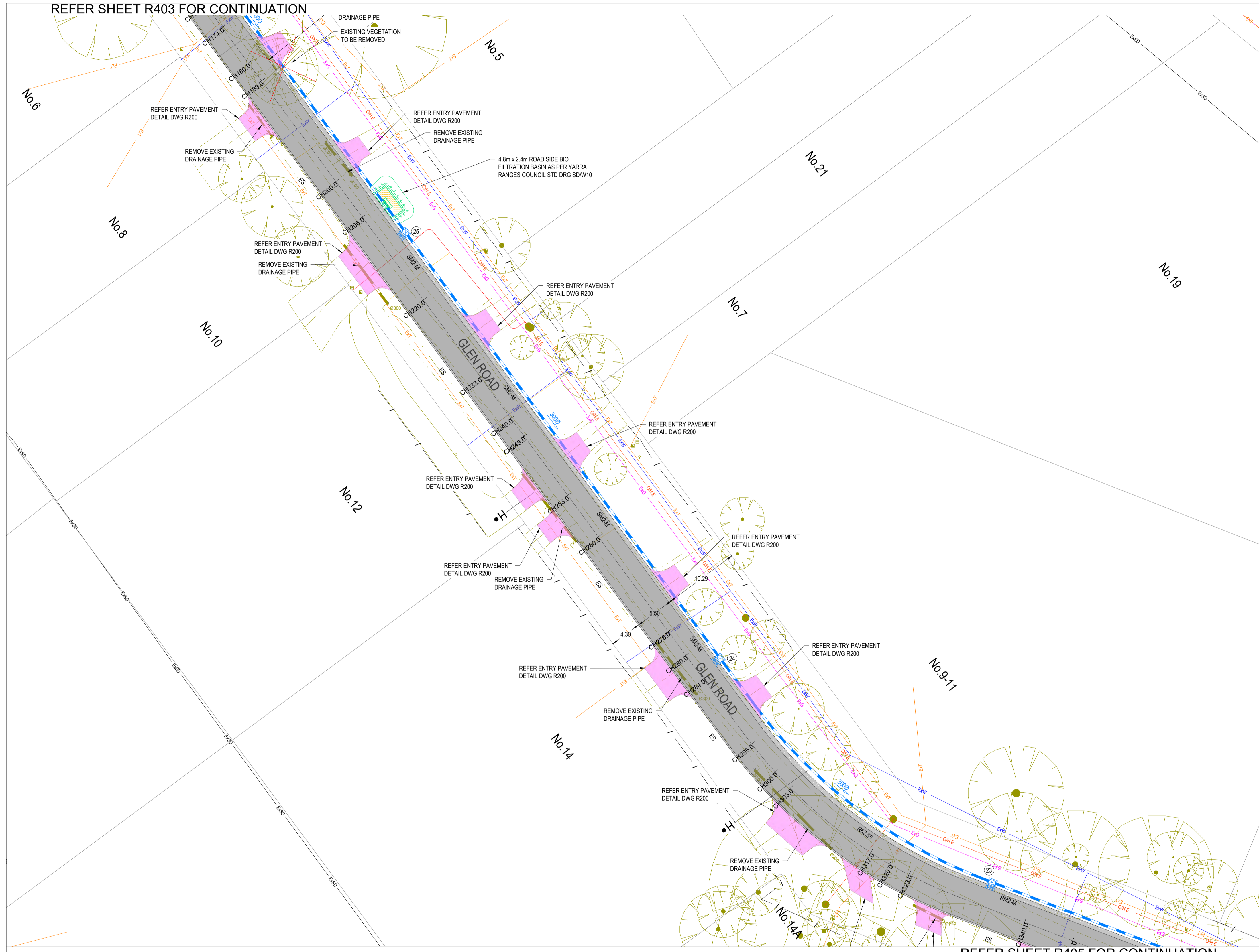
**PROJECT**  
 SEALING THE HILLS  
 COCKATOO  
 BAKER-GLEN PACKAGE

**DRAWING TITLE**  
 CARDINIA PACKAGE 10 -  
 LAYOUT PLAN GLEN RD - SHEET 4

**STATUS**  
**TENDER**  
 NOT FOR CONSTRUCTION

SCALE AT A1 1:500 @ A1	DRAWN S.DEVGAN	DESIGNED M.RAHMAN
PROJECT ENGINEER M.TROUNCE	PROJECT MANAGER T.PALIOS	DATE FIRST ISSUE SEP 2021
PROJECT NO. <b>210152</b>	DRAWING NO. <b>R403</b>	REVISION <b>A</b>

REFER SHEET R404 FOR CONTINUATION

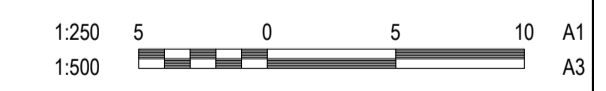
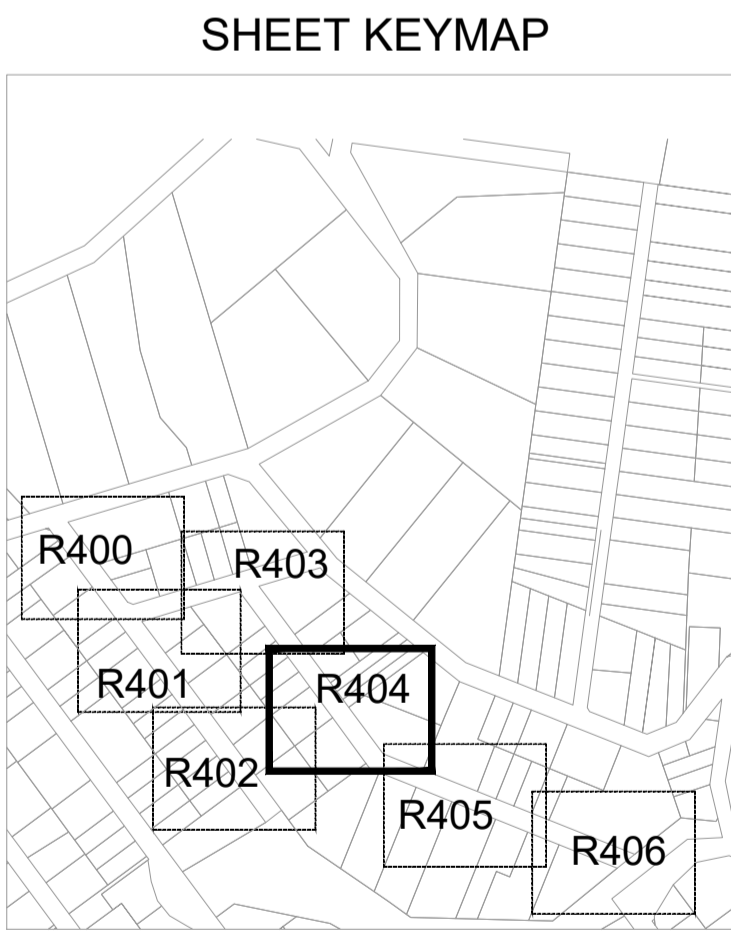


**LEGEND - LAYOUT PLAN**

- Ex E - EXISTING ELECTRICITY (UNDERGROUND)
- OH E - EXISTING ELECTRICITY (OVERHEAD)
- Ex G - EXISTING GAS
- Ex O - EXISTING OPTIC FIBRE
- Ex T - EXISTING TELSTRA
- Ex W - EXISTING WATER
- Ex RW - EXISTING RECYCLED WATER
- Ex D - EXISTING STORMWATER DRAIN
- Ex S - EXISTING SEWER
- H - EXISTING HOUSE DRAIN
- S - EXISTING SWALE DRAIN
- [Symbol] - GRATED SIDE ENTRY PIT
- [Symbol] - JUNCTION PIT
- [Symbol] - GRATED PIT
- [Symbol] - DIRECTION OF FALL
- [Symbol] - OVERLAND FLOW

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**NOTE:**  
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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.	



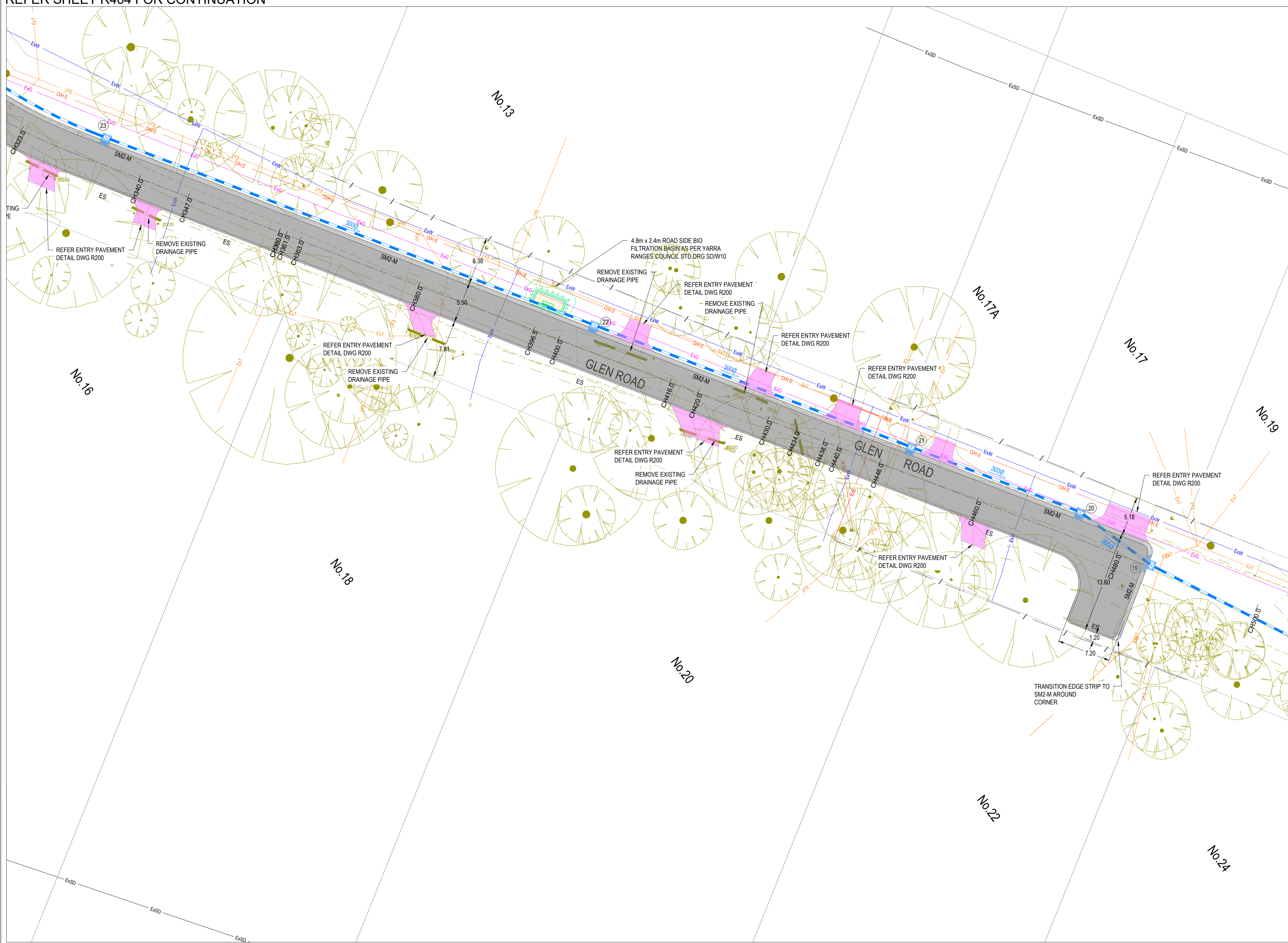
**PROJECT**  
 SEALING THE HILLS  
 COCKATOO  
 BAKER-GLEN PACKAGE

**DRAWING TITLE**  
 CARDINIA PACKAGE 10 -  
 LAYOUT PLAN GLEN RD - SHEET 5

**STATUS**  
**TENDER**  
 NOT FOR CONSTRUCTION

SCALE AT A1 1:500 @ A1	DRAWN S.DEVGAN	DESIGNED M.RAHMAN
PROJECT ENGINEER M.TROUNCE	PROJECT MANAGER T.PALIOS	DATE FIRST ISSUE SEP 2021
PROJECT NO. <b>210152</b>	DRAWING NO. <b>R404</b>	REVISION <b>A</b>

REFER SHEET R404 FOR CONTINUATION

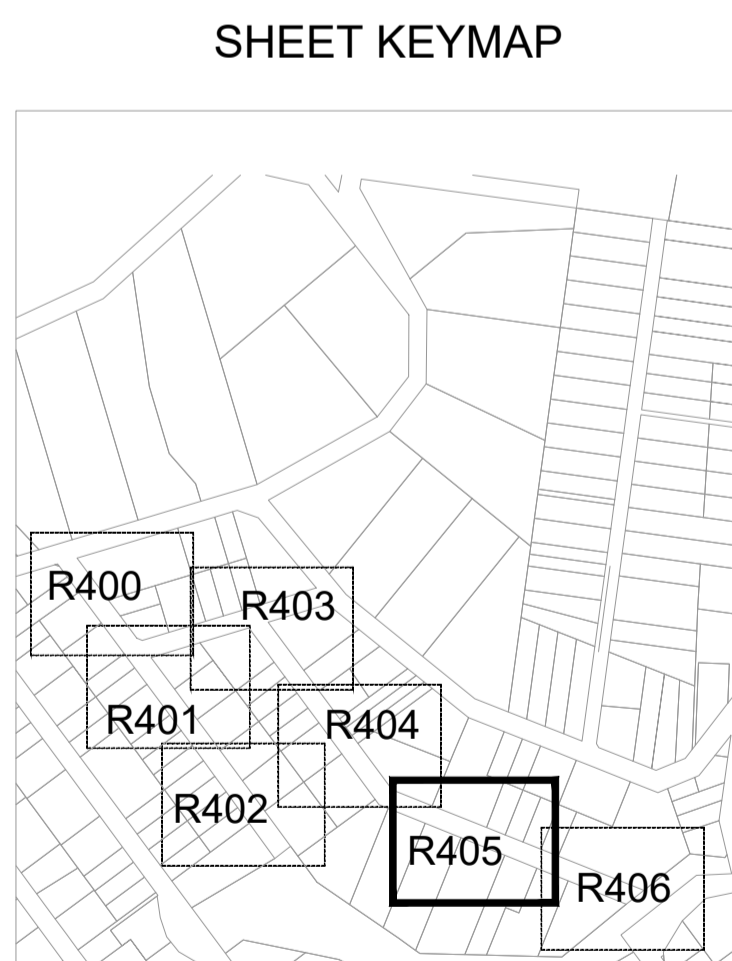


**LEGEND - LAYOUT PLAN**

- Ex E EXISTING ELECTRICITY (UNDERGROUND)
- OH E EXISTING ELECTRICITY (OVERHEAD)
- Ex G EXISTING GAS
- Ex O EXISTING OPTIC FIBRE
- Ex T EXISTING TELSTRA
- Ex W EXISTING WATER
- Ex RW EXISTING RECYCLED WATER
- Ex D EXISTING STORMWATER DRAIN
- Ex S EXISTING SEWER
- H EXISTING HOUSE DRAIN
- S EXISTING SWALE DRAIN
- GRATED SIDE ENTRY PIT
- JUNCTION PIT
- GRATED PIT
- DIRECTION OF FALL
- OVERLAND FLOW

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**NOTE:**  
 ALL EXISTING DRIVEWAYS TO BE REINSTATED



REFER SHEET R406 FOR CONTINUATION

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.	



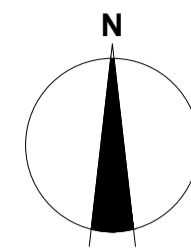
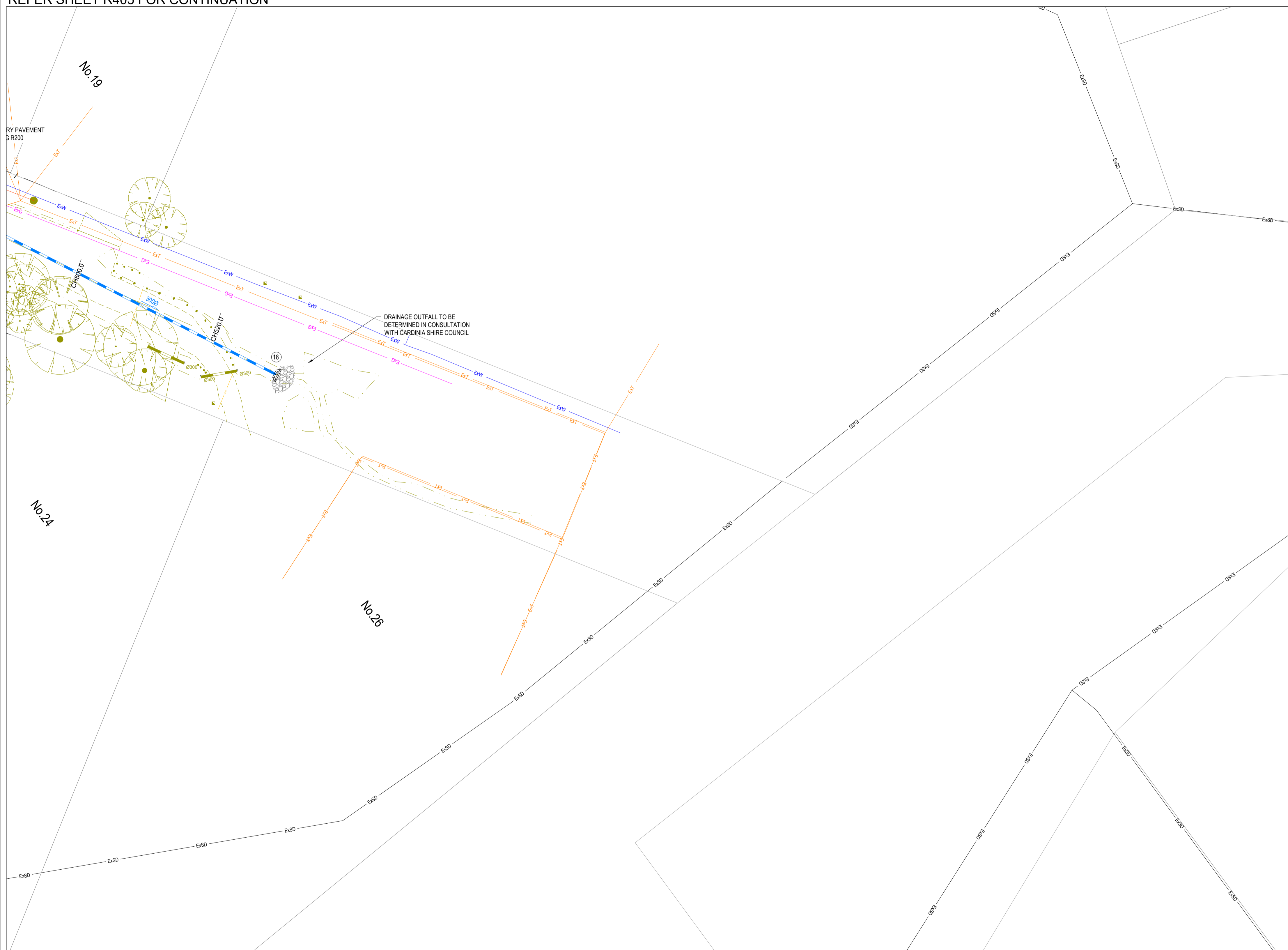
**PROJECT**  
 SEALING THE HILLS  
 COCKATOO  
 BAKER-GLEN PACKAGE

**DRAWING TITLE**  
 CARDINIA PACKAGE 10 -  
 LAYOUT PLAN GLEN RD - SHEET 6

**STATUS**  
**TENDER**  
 NOT FOR CONSTRUCTION

SCALE AT A1 1:500 @ A1	DRAWN S.DEVGAN	DESIGNED M.RAHMAN
PROJECT ENGINEER M.TROUNCE	PROJECT MANAGER T.PALIOS	DATE FIRST ISSUE SEP 2021
PROJECT NO. <b>210152</b>	DRAWING NO. <b>R405</b>	REVISION <b>A</b>

REFER SHEET R405 FOR CONTINUATION



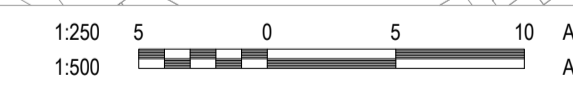
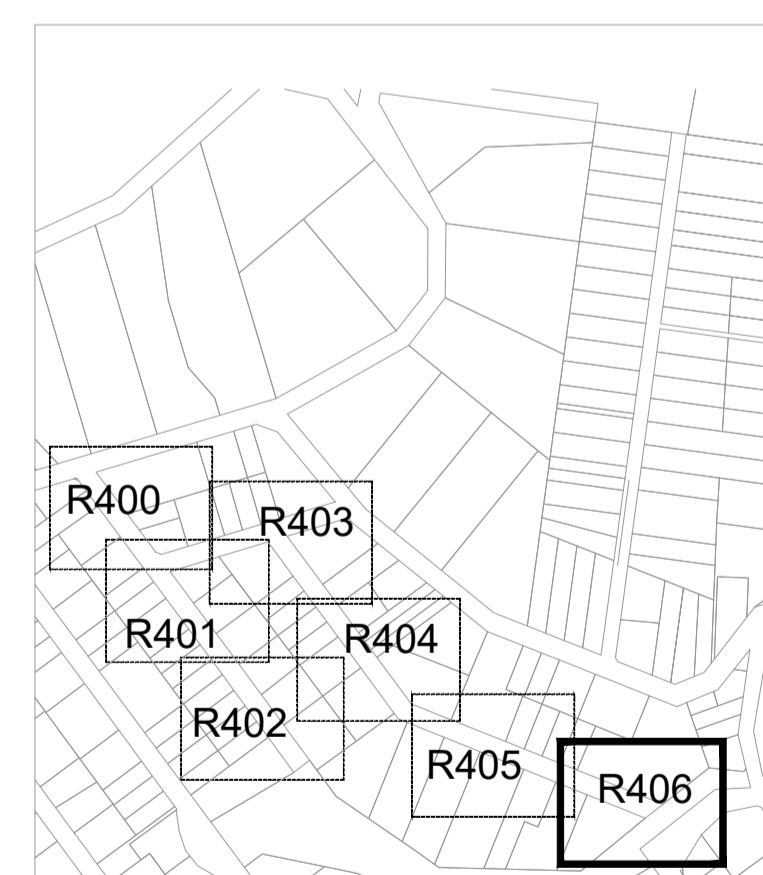
**LEGEND - LAYOUT PLAN**

- Ex E — EXISTING ELECTRICITY (UNDERGROUND)
- OH E — EXISTING ELECTRICITY (OVERHEAD)
- Ex G — EXISTING GAS
- Ex O — EXISTING OPTIC FIBRE
- Ex T — EXISTING TELSTRA
- Ex W — EXISTING WATER
- Ex RW — EXISTING RECYCLED WATER
- Ex D — EXISTING STORMWATER DRAIN
- Ex S — EXISTING SEWER
- H — EXISTING HOUSE DRAIN
- > — EXISTING SWALE DRAIN
- ▢ GRATED SIDE ENTRY PIT
- ▢ JUNCTION PIT
- ▢ GRATED PIT
- DIRECTION OF FALL
- OVERLAND FLOW

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[www.1100.com.au](http://www.1100.com.au)

**NOTE:**  
 ALL EXISTING DRIVEWAYS TO BE REINSTATED

**SHEET KEYMAP**



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.	



**PROJECT**  
 SEALING THE HILLS  
 COCKATOO  
 BAKER-GLEN PACKAGE

**DRAWING TITLE**  
 CARDINIA PACKAGE 10 -  
 LAYOUT PLAN GLEN RD - SHEET 7

**STATUS**  
**TENDER**  
 NOT FOR CONSTRUCTION

SCALE AT A1 1:500 @ A1	DRAWN S.DEVGAN	DESIGNED M.RAHMAN
PROJECT ENGINEER M.TROUNCE	PROJECT MANAGER T.PALIOS	DATE FIRST ISSUE SEP 2021
PROJECT NO. <b>210152</b>	DRAWING NO. <b>R406</b>	REVISION <b>A</b>

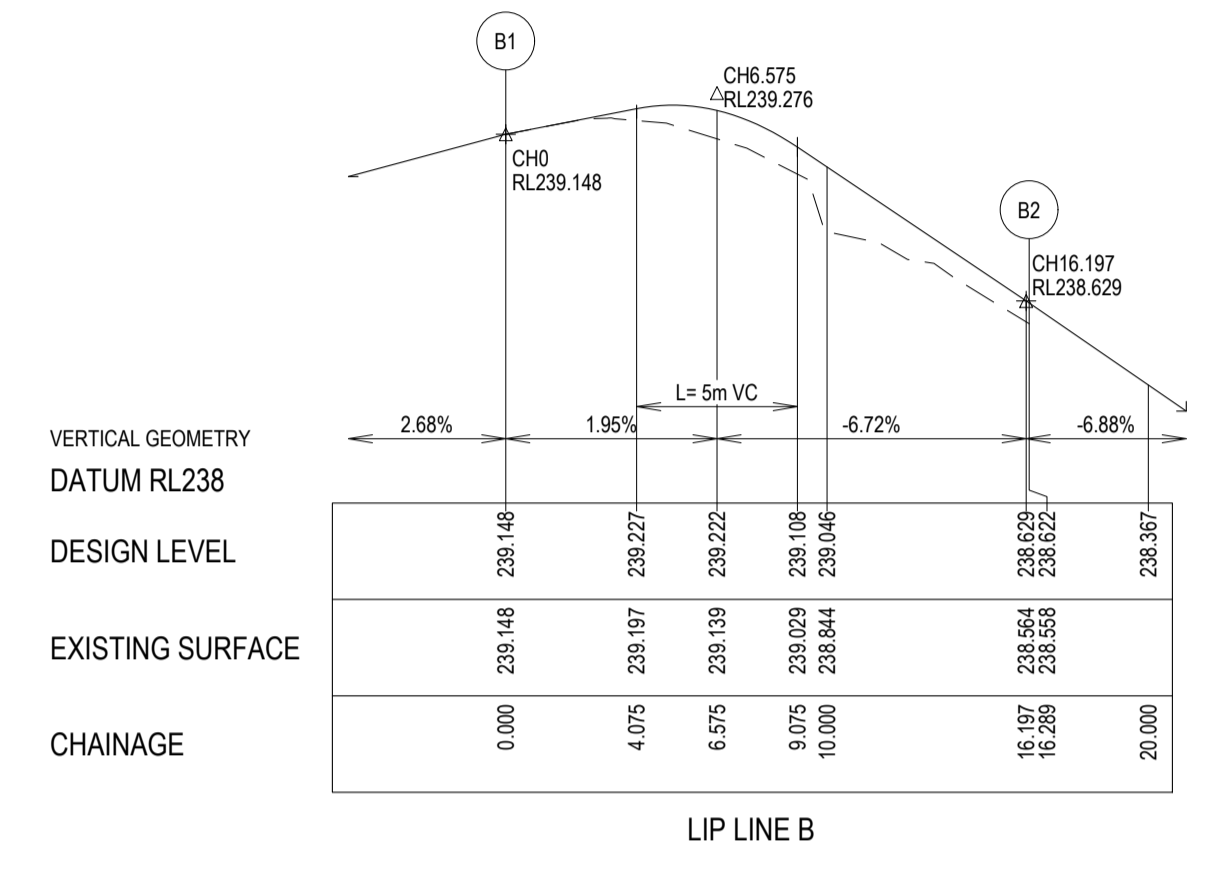
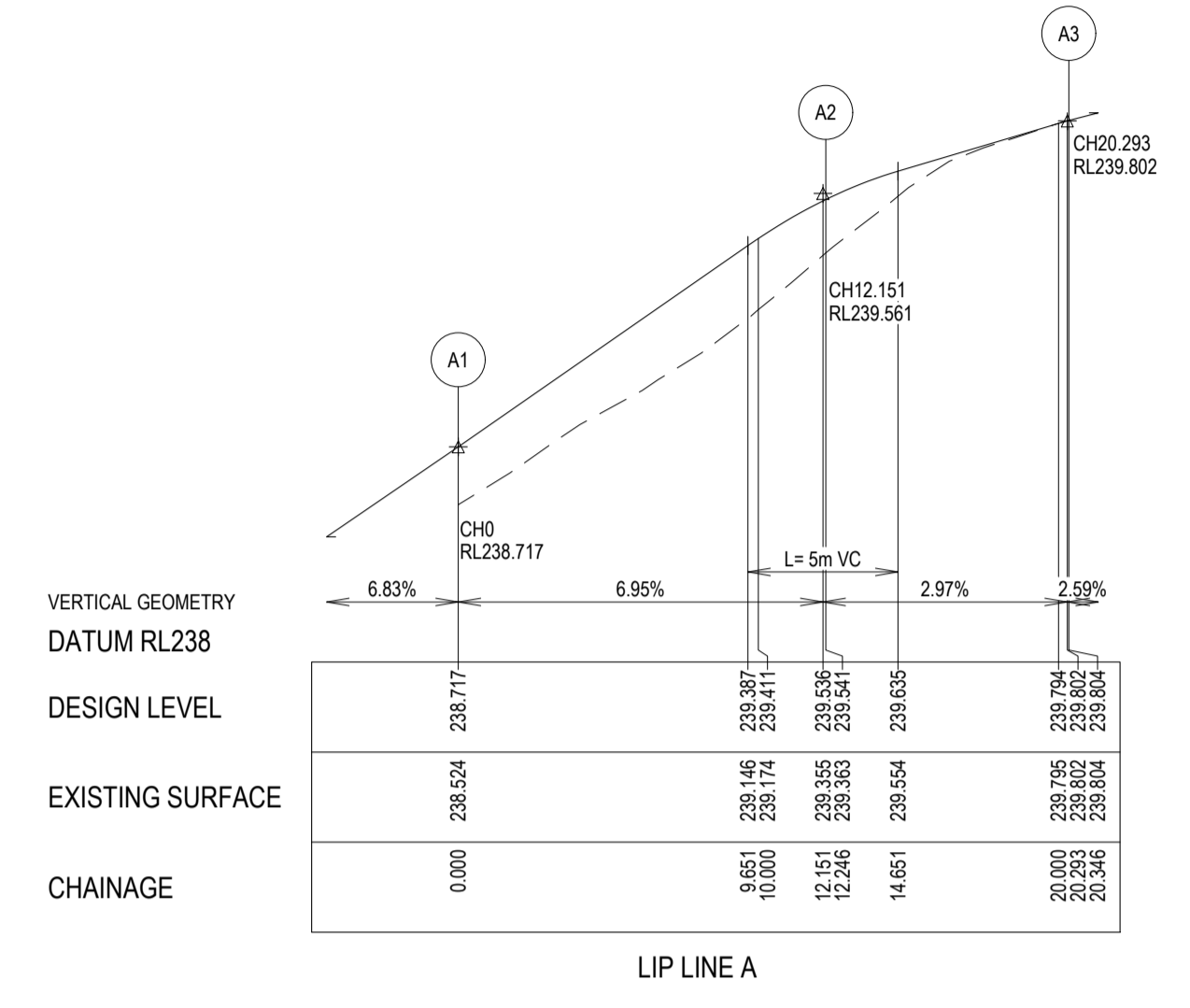
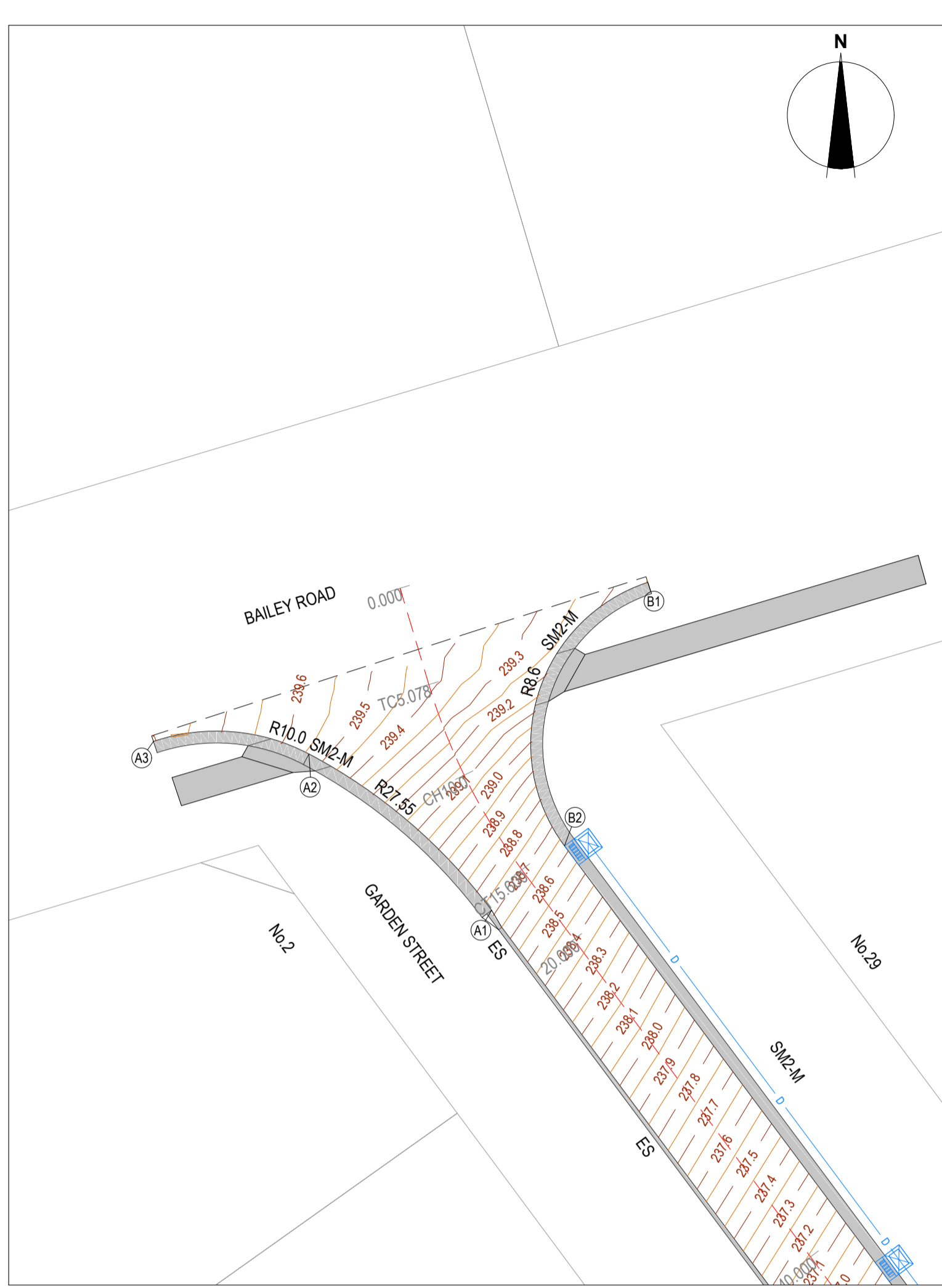
**LEGEND - INTERSECTION PLAN**

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MAJOR CONTOUR - 0.1m
- MINOR CONTOUR - 0.05m
- - - GRADE LINE

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**LEGEND**

- - - EXISTING SURFACE
- DESIGN LINE

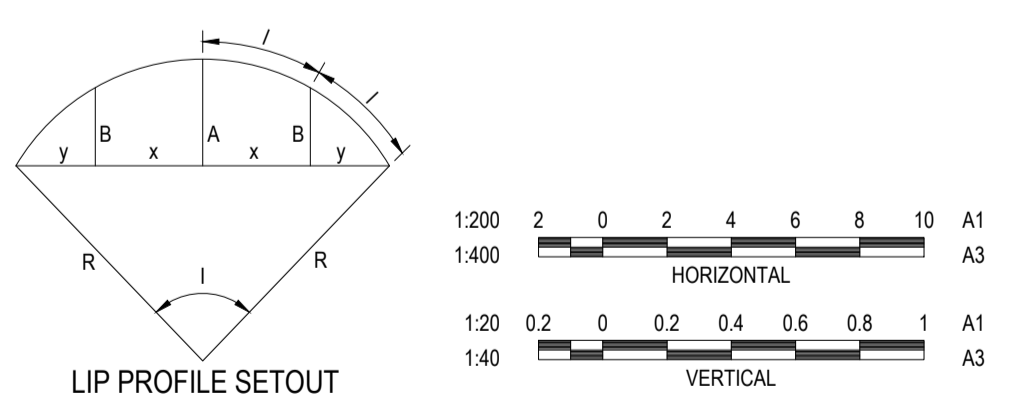


POINT NO	EASTING	NORTHING	RL
A1	366526.404	5800377.761	238.717
A2	366517.177	5800385.658	239.541
A3	366509.322	5800386.292	239.804

POINT NO	EASTING	NORTHING	RL
B1	366534.299	5800394.328	239.148
B2	366530.090	5800381.016	238.623

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
A1 - A2	25.467	27.550	12.246	0.678	0.508	3.055	3.017	3.061	239.142
A2 - A3	46.410	10.000	8.100	0.809	0.605	2.011	1.929	2.025	239.684

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
B1 - B2	108.523	8.600	16.289	3.577	2.631	3.922	3.059	4.072	239.163



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.



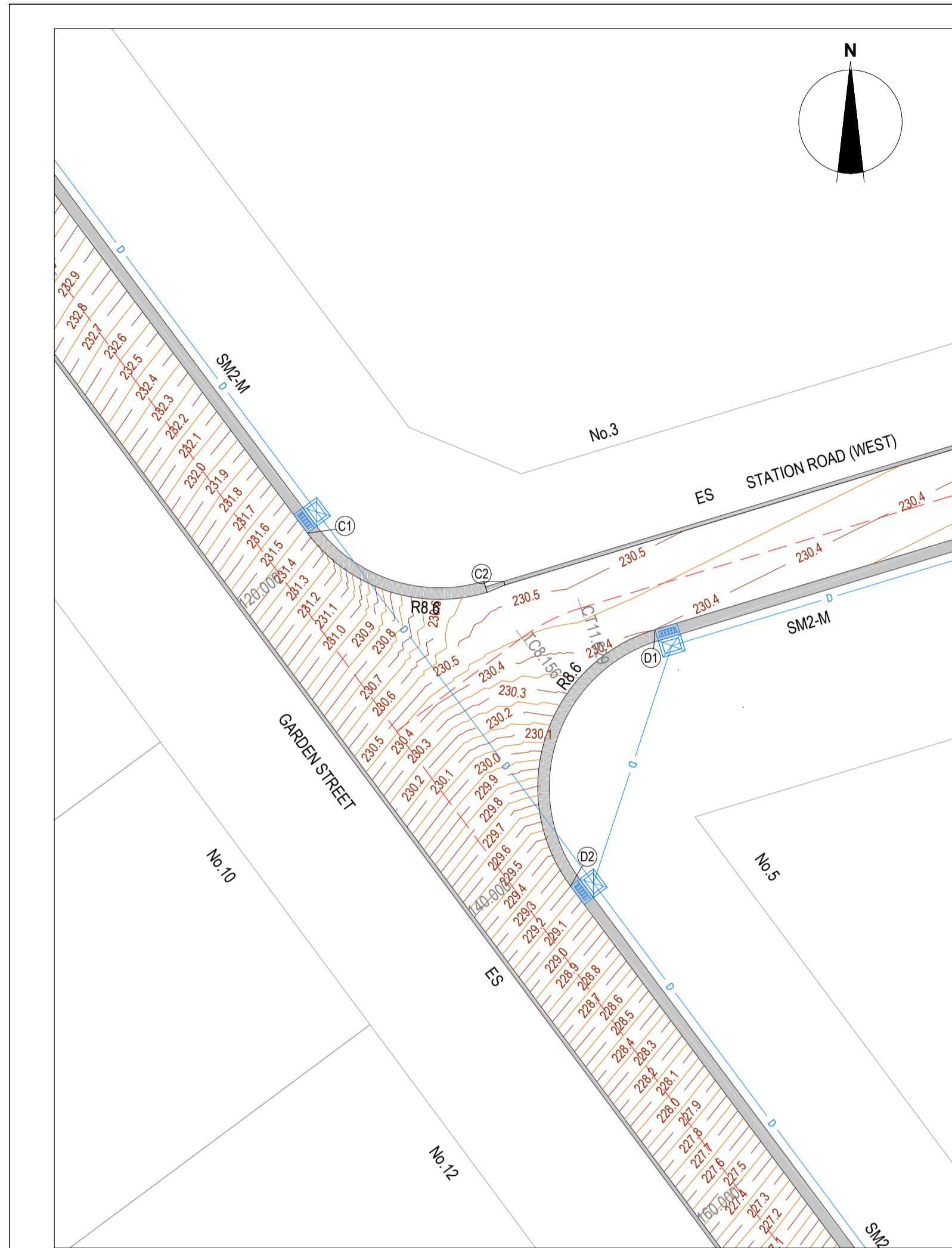
**PROJECT**  
 SEALING THE HILLS  
 COCKATOO  
 BAKER-GLEN PACKAGE

**DRAWING TITLE**  
 CARDINIA PACKAGE 10 -  
 INTERSECTION DETAIL PLAN - 1

**STATUS**  
**TENDER**  
 NOT FOR CONSTRUCTION

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	S.DEVGAN	M.RAHMAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	SEP 2021
PROJECT NO.	DRAWING NO.	REVISION
<b>210152</b>	<b>R500</b>	<b>A</b>





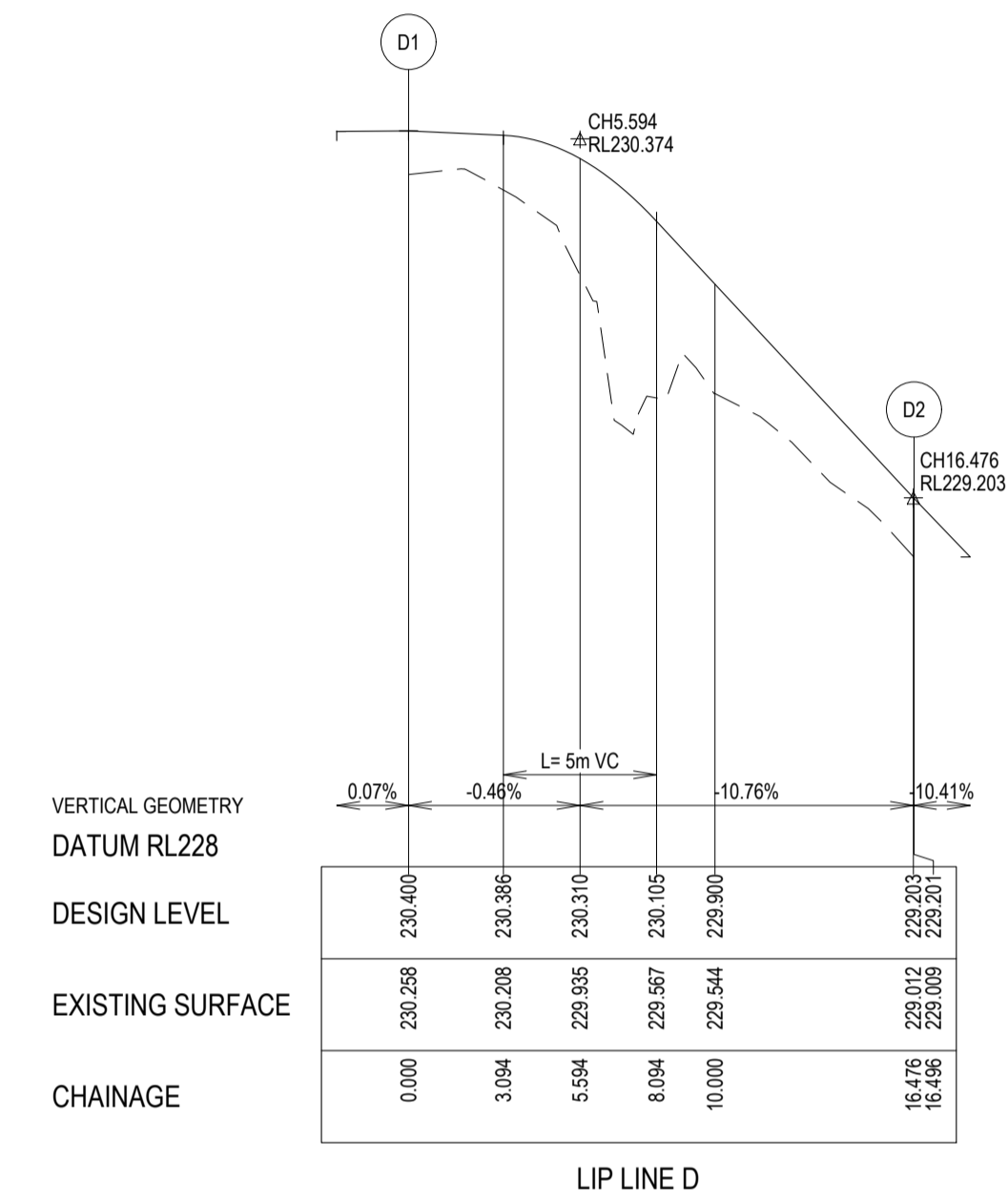
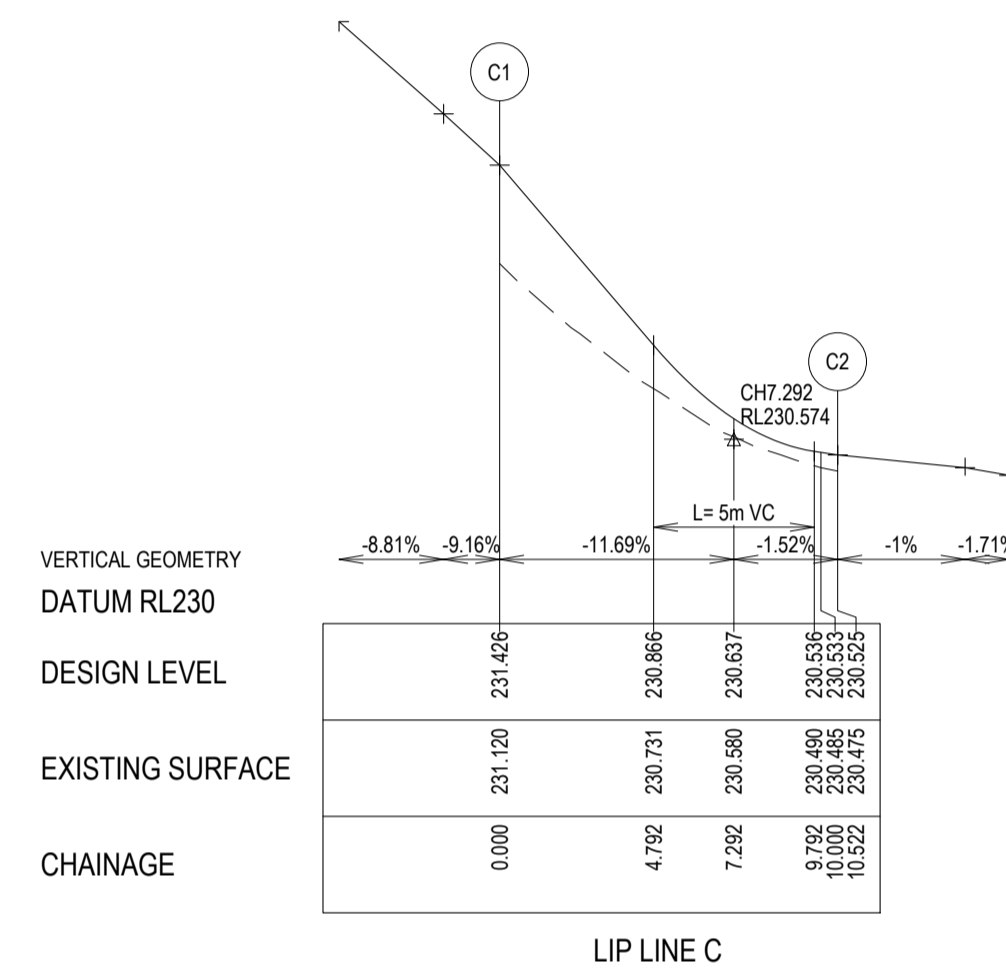
**LEGEND - INTERSECTION PLAN**

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- MAJOR CONTOUR - 0.1m
- MINOR CONTOUR - 0.05m
- - - GRADE LINE

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**LEGEND**

- - - EXISTING SURFACE
- DESIGN LINE

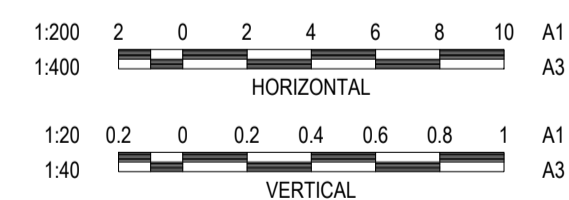
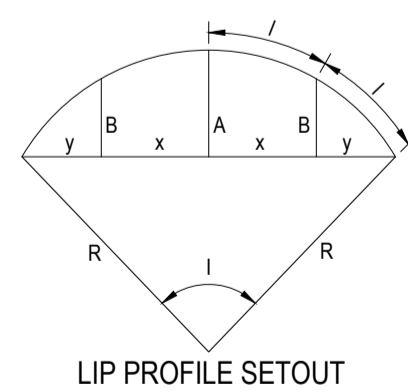


POINT NO	EASTING	NORTHING	RL
C1	366591.928	5800298.091	231.426
C2	366601.310	5800295.000	230.525

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
C1 - C2	70.099	8.600	10.522	1.560	1.160	2.590	2.349	2.630	230.814

POINT NO	EASTING	NORTHING	RL
D1	366610.068	5800293.049	230.400
D2	366605.661	5800279.676	229.201

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
D1 - D2	109.901	8.600	16.496	3.661	2.691	3.968	3.073	4.124	230.089



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.

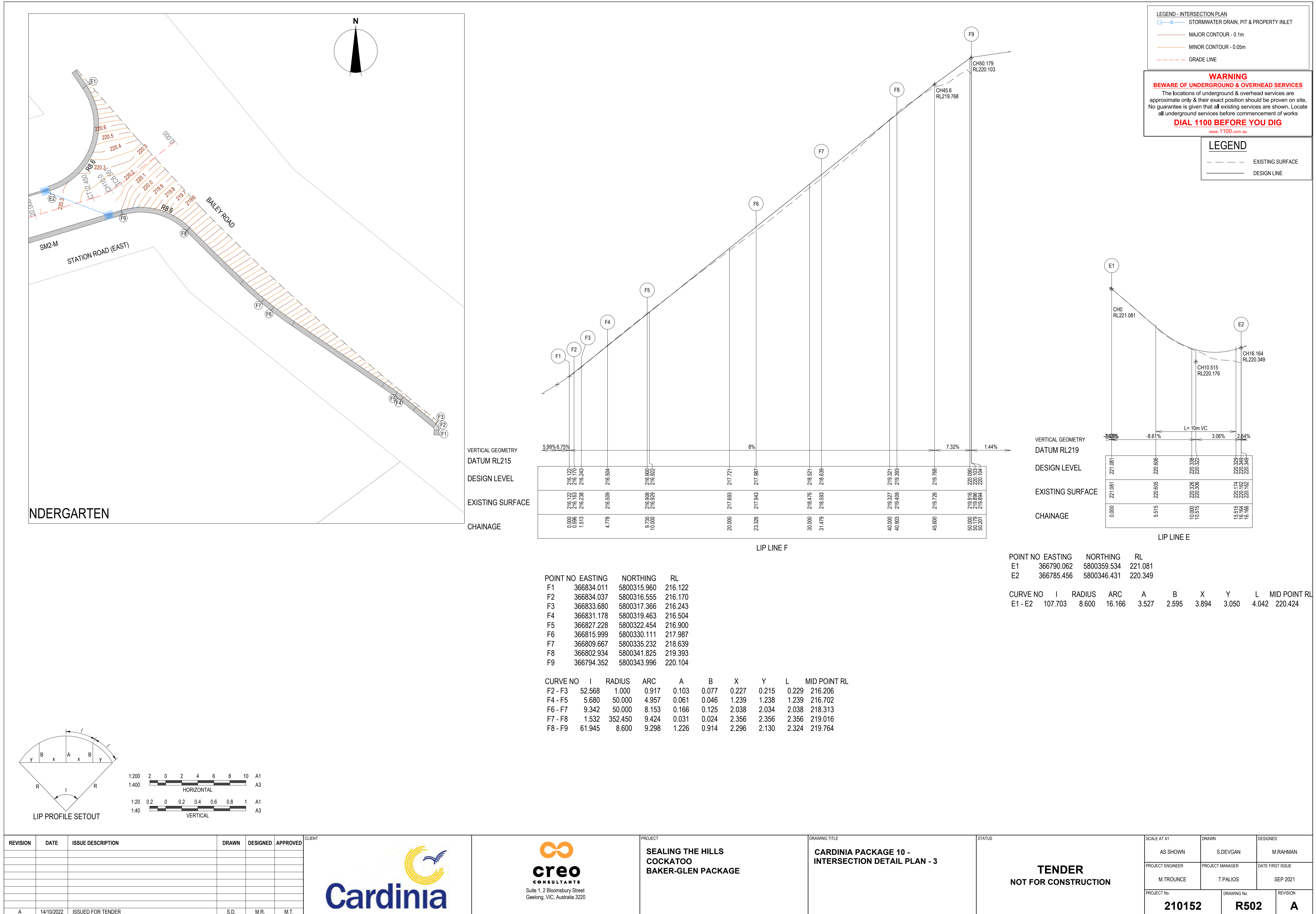


PROJECT  
**SEALING THE HILLS  
 COCKATOO  
 BAKER-GLEN PACKAGE**

DRAWING TITLE  
**CARDINIA PACKAGE 10 -  
 INTERSECTION DETAIL PLAN - 2**

STATUS  
**TENDER  
 NOT FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	S.DEVGAN	M.RAHMAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	SEP 2021
PROJECT NO.	DRAWING NO.	REVISION
<b>210152</b>	<b>R501</b>	<b>A</b>



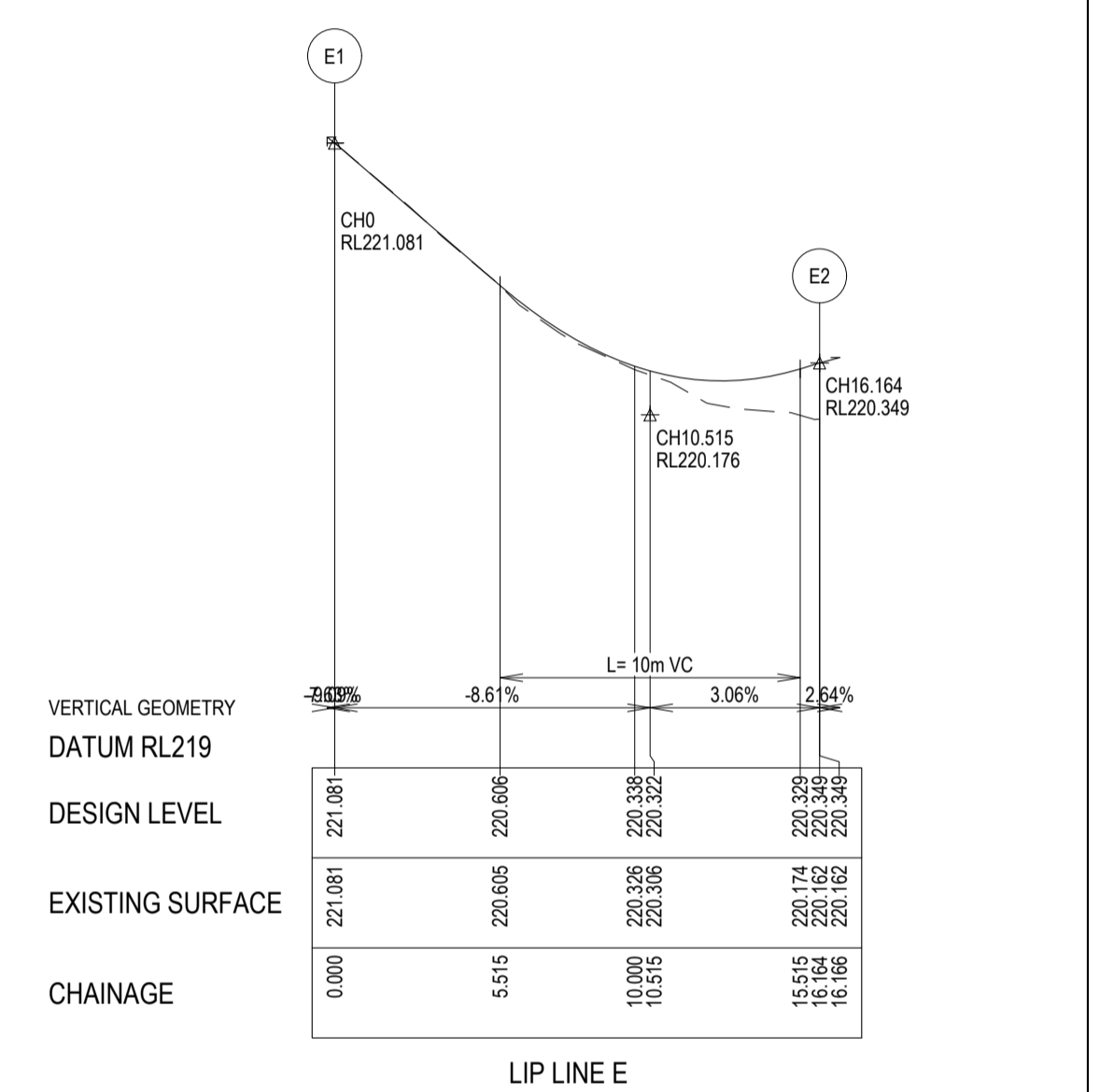
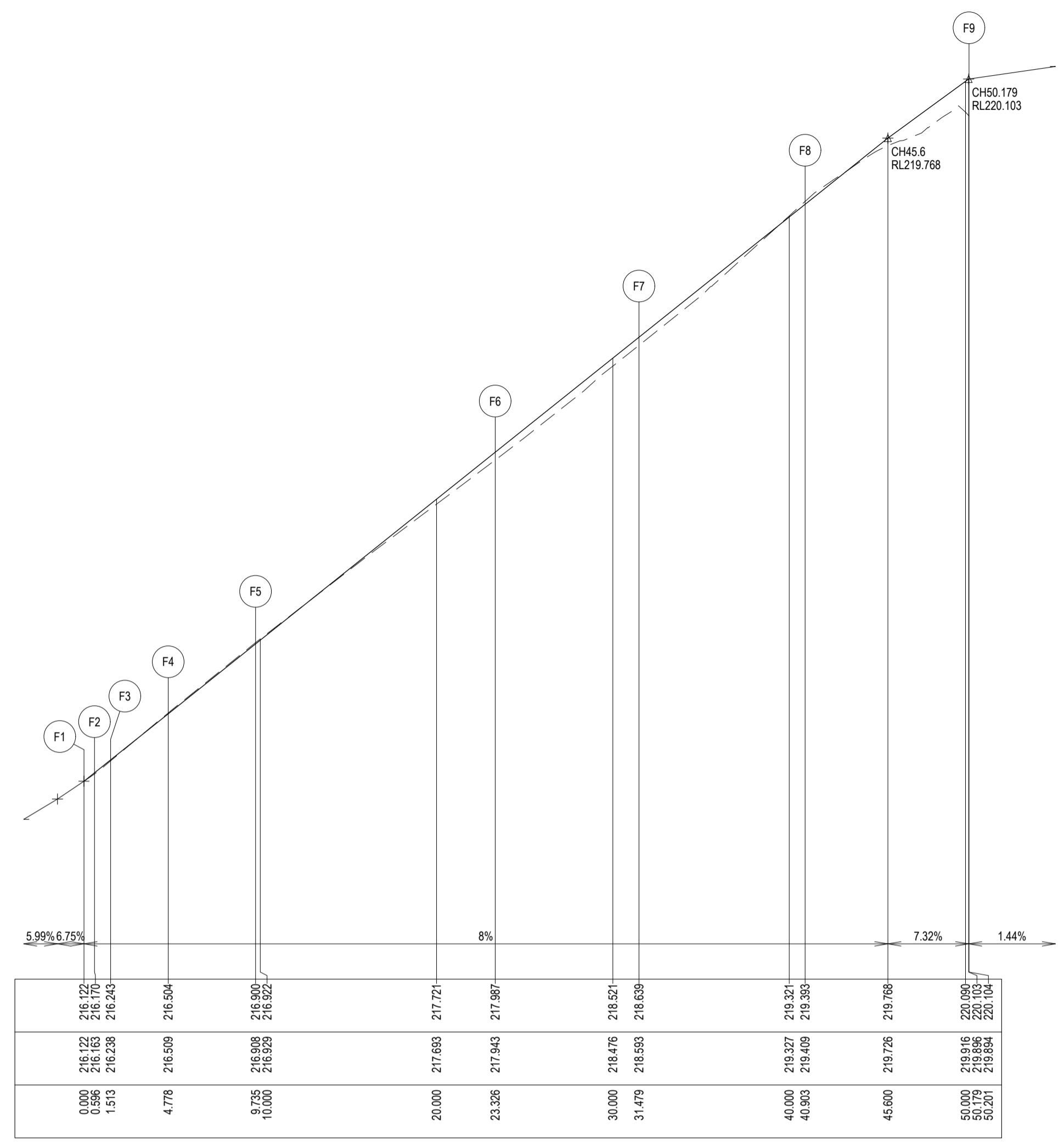
**LEGEND - INTERSECTION PLAN**

- Stormwater drain, pit & property inlet
- Major contour - 0.1m
- Minor contour - 0.05m
- Grade line

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**LEGEND**

- Existing surface
- Design line



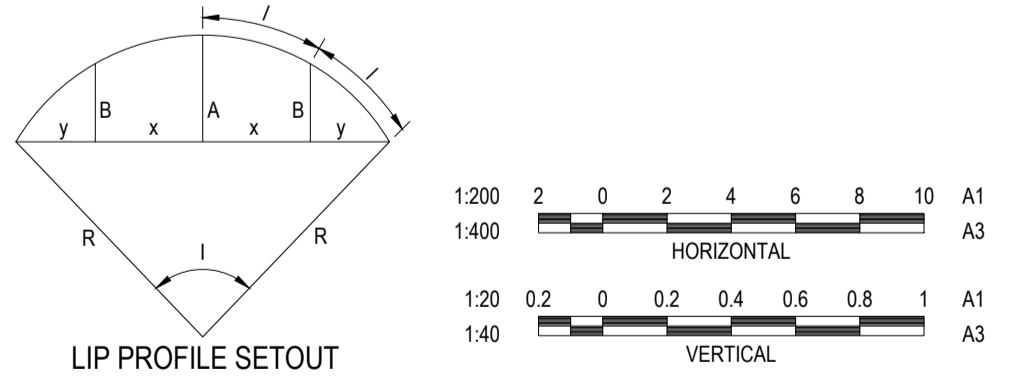
POINT NO	EASTING	NORTHING	RL
F1	366834.011	5800315.960	216.122
F2	366834.037	5800316.555	216.170
F3	366833.680	5800317.366	216.243
F4	366831.178	5800319.463	216.504
F5	366827.228	5800322.454	216.900
F6	366815.999	5800330.111	217.987
F7	366809.667	5800335.232	218.639
F8	366802.934	5800341.825	219.393
F9	366794.352	5800343.996	220.104

POINT NO	EASTING	NORTHING	RL
E1	366790.062	5800359.534	221.081
E2	366785.456	5800346.431	220.349

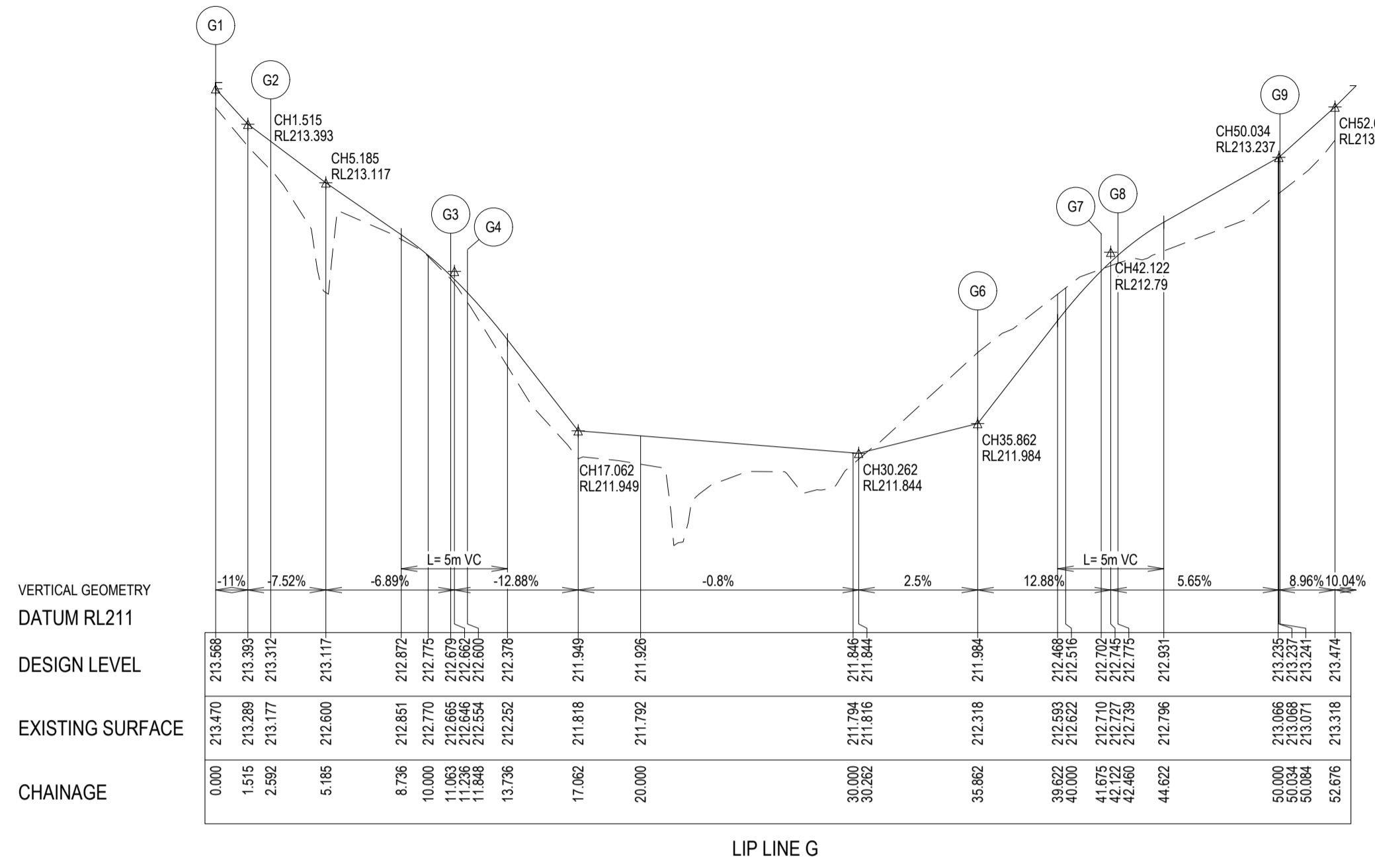
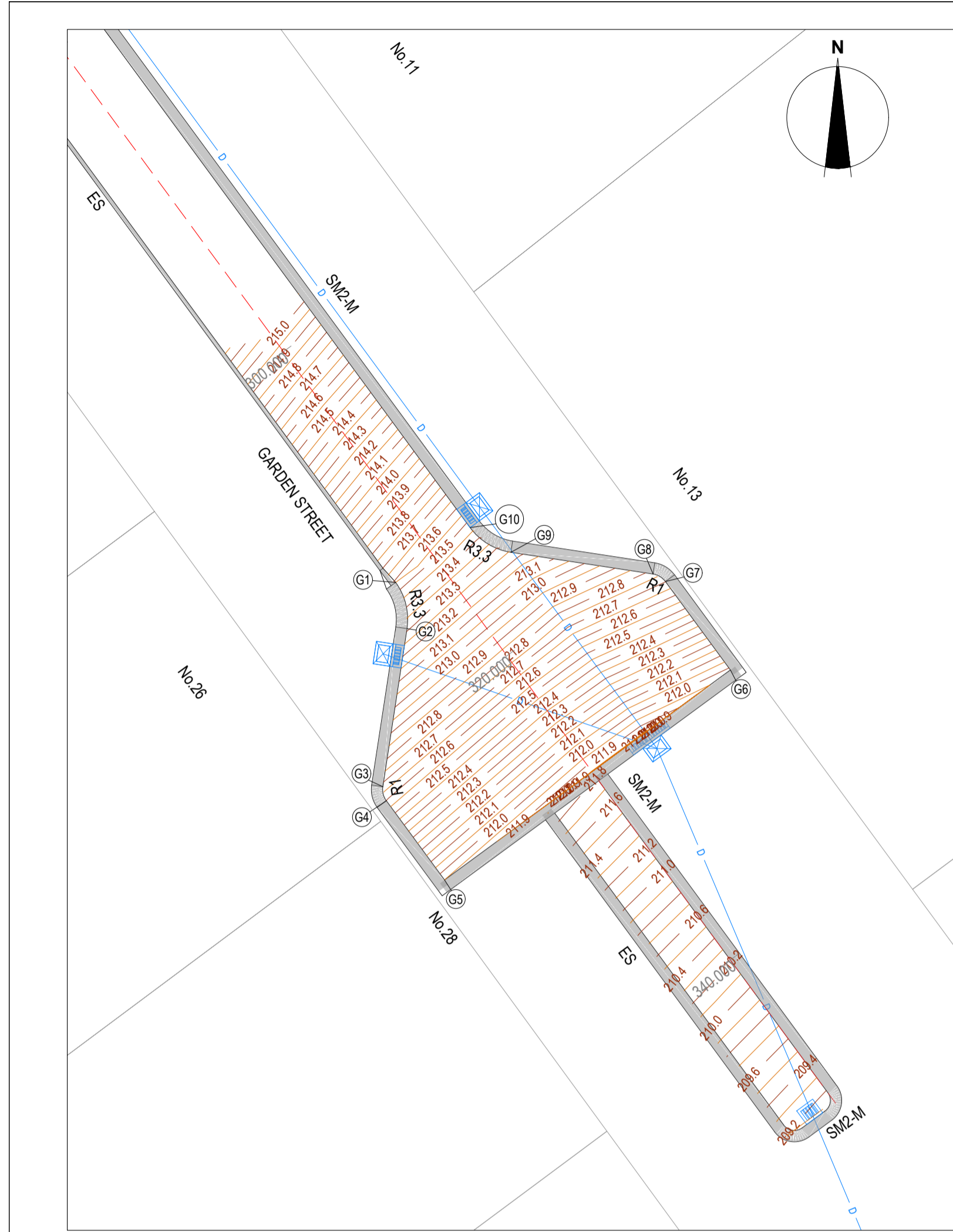
  

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
E1 - E2	107.703	8.600	16.166	3.527	2.595	3.894	3.050	4.042	220.424

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
F2 - F3	52.568	1.000	0.917	0.103	0.077	0.227	0.215	0.229	216.206
F4 - F5	5.680	50.000	4.957	0.061	0.046	1.239	1.238	1.239	216.702
F6 - F7	9.342	50.000	8.153	0.166	0.125	2.038	2.034	2.038	218.313
F7 - F8	1.532	352.450	9.424	0.031	0.024	2.356	2.356	2.356	219.016
F8 - F9	61.945	8.600	9.298	1.226	0.914	2.296	2.130	2.324	219.764



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED	
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.	<b>Cardinia</b>	<b>creo CONSULTANTS</b> Suite 1, 2 Bloomsbury Street Geelong, VIC, Australia 3220	<b>SEALING THE HILLS COCKATOO BAKER-GLEN PACKAGE</b>	<b>CARDINIA PACKAGE 10 - INTERSECTION DETAIL PLAN - 3</b>	<b>TENDER NOT FOR CONSTRUCTION</b>	AS SHOWN	S.DEVGAN	M.RAHMAN
											PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
											M.TROUNCE	T.PALIOS	SEP 2021
											PROJECT NO.	DRAWING NO.	REVISION
											<b>210152</b>	<b>R502</b>	<b>A</b>



**LEGEND - INTERSECTION PLAN**

- Stormwater drain, pit & property inlet
- Major contour - 0.1m
- Minor contour - 0.05m
- Grade line

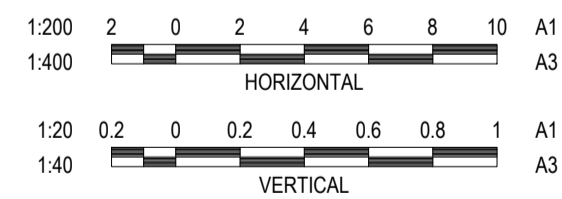
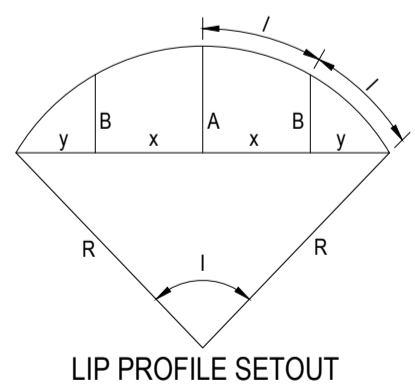
**WARNING**  
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**LEGEND**

- Existing surface
- Design line

POINT NO	EASTING	NORTHING	RL
G1	366703.482	5800139.296	213.568
G2	366704.084	5800136.844	213.312
G3	366702.804	5800128.470	212.679
G4	366702.986	5800127.726	212.600
G5	366706.074	5800123.525	211.949
G6	366721.224	5800134.656	211.984
G7	366717.782	5800139.341	212.702
G8	366717.127	5800139.737	212.775
G9	366709.591	5800140.889	213.241
G10	366707.430	5800142.198	213.474

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
G1 - G2	45.000	3.300	2.592	0.251	0.188	0.644	0.619	0.648	213.417
G3 - G4	45.000	1.000	0.785	0.076	0.057	0.195	0.188	0.196	212.640
G7 - G8	45.000	1.000	0.785	0.076	0.057	0.195	0.188	0.196	212.740
G9 - G10	45.000	3.300	2.592	0.251	0.188	0.644	0.619	0.648	213.357



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED	
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.		 Suite 1, 2 Bloomsbury Street Geelong, VIC, Australia 3220	SEALING THE HILLS COCKATOO BAKER-GLEN PACKAGE	CARDINIA PACKAGE 10 - INTERSECTION DETAIL PLAN - 4	TENDER NOT FOR CONSTRUCTION	AS SHOWN	S.DEVGAN	M.RAHMAN
										PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE	
										M.TROUNCE	T.PALIOS	SEP 2021	
										PROJECT NO.	DRAWING NO.	REVISION	
										210152	R503	A	



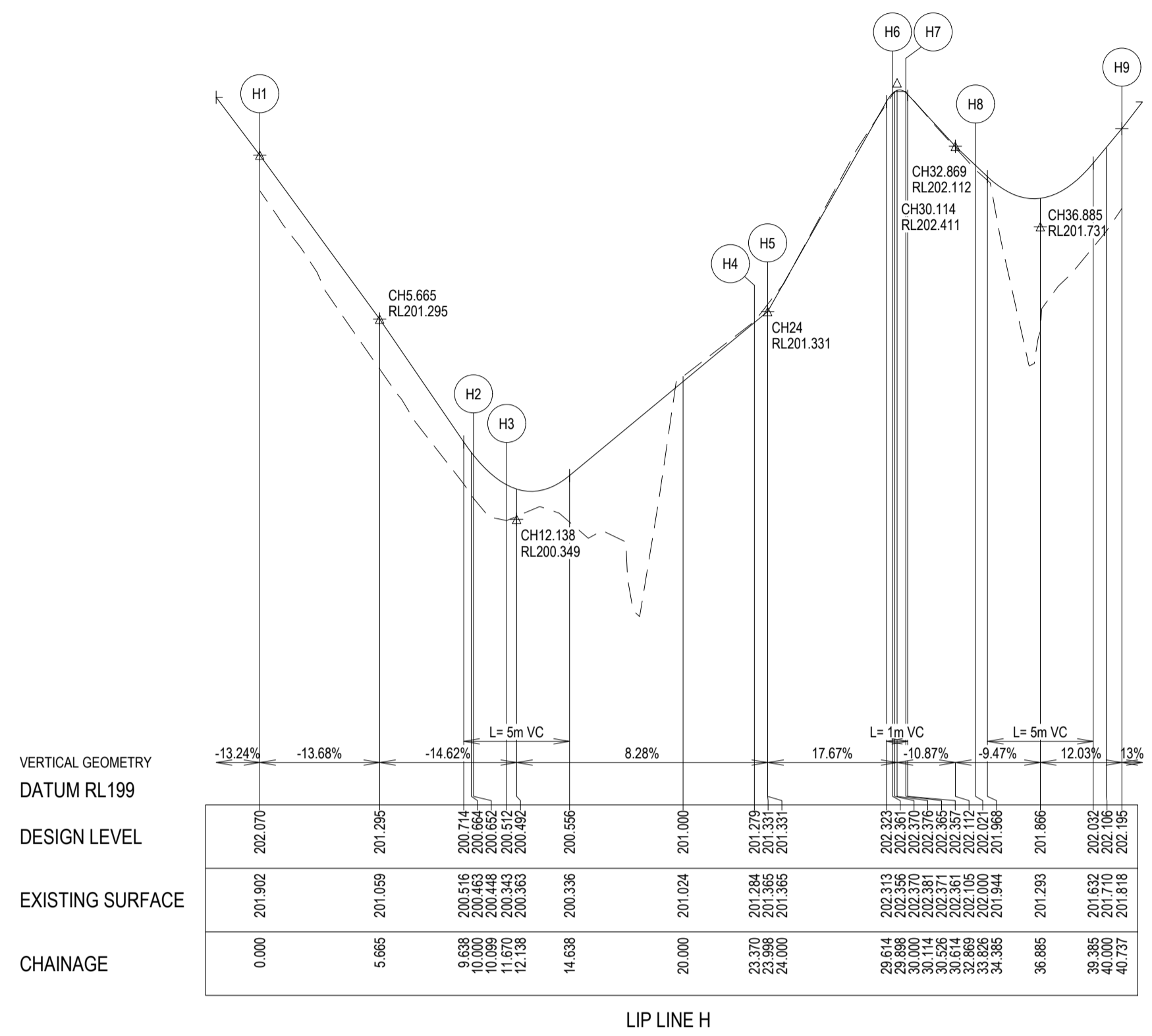
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- Major contour - 0.1m
- Minor contour - 0.05m
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**LEGEND**

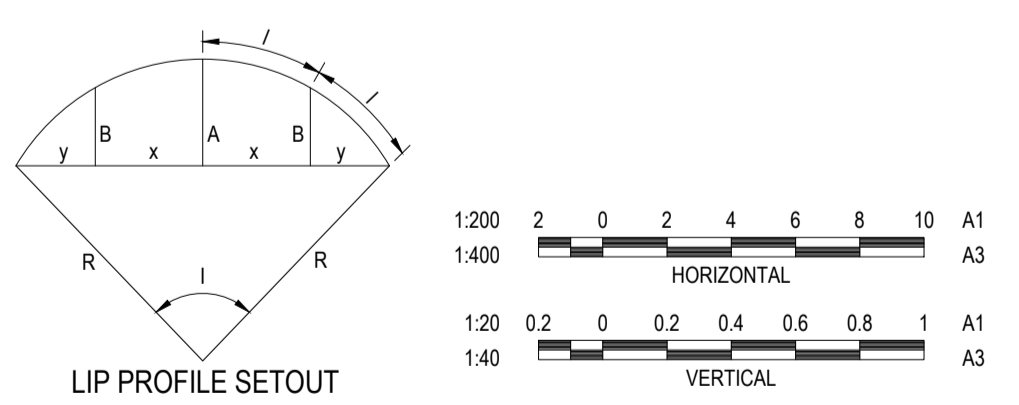
- Existing surface
- Design line



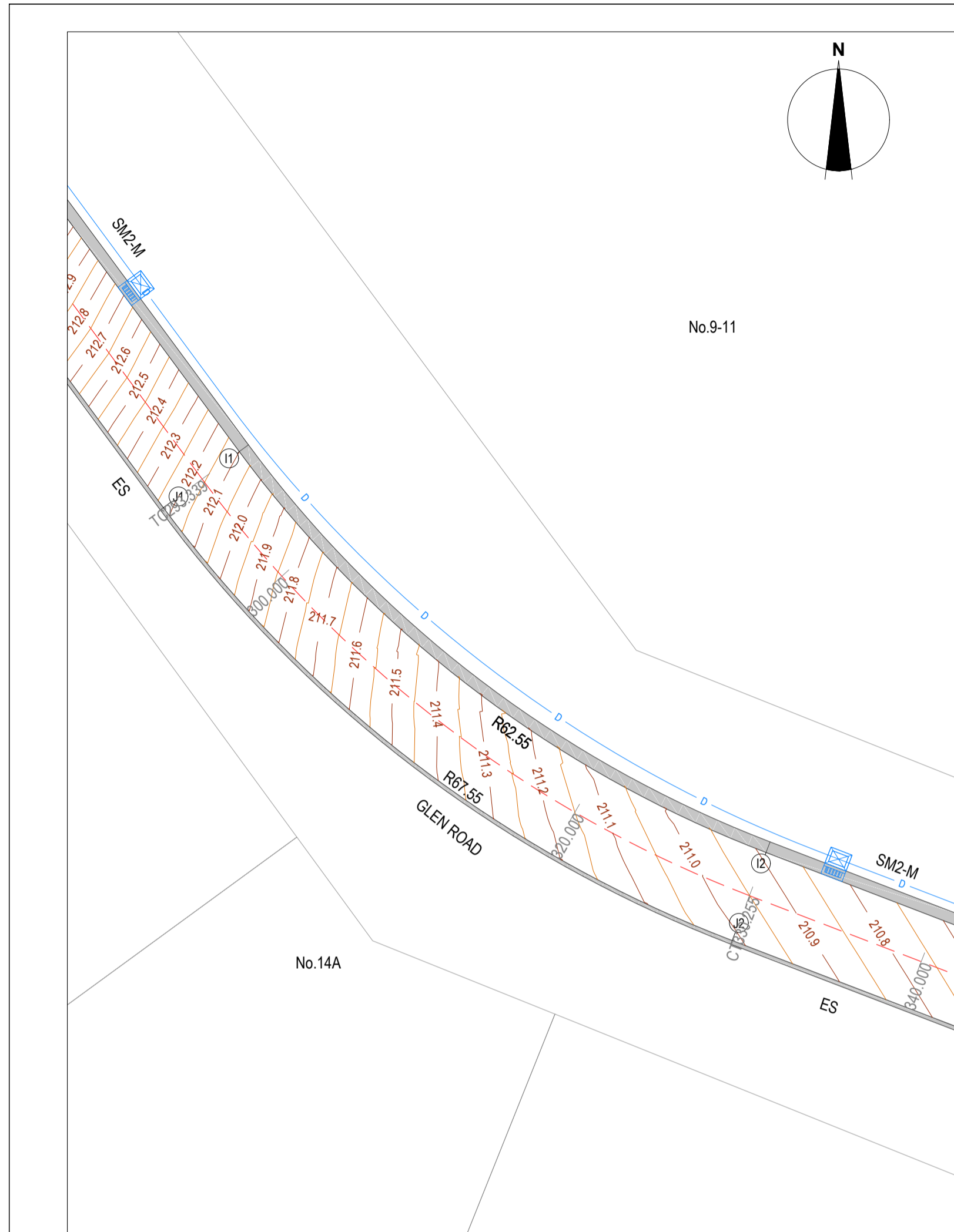
POINT NO	EASTING	NORTHING	RL
H1	367004.055	5800083.285	202.070
H2	367013.483	5800079.664	200.652
H3	367014.057	5800078.372	200.512
H4	367009.862	5800067.450	201.279
H5	367009.345	5800067.220	201.331
H6	367003.838	5800069.335	202.361
H7	367003.608	5800069.852	202.365
H8	367004.791	5800072.933	202.021
H9	367002.262	5800078.618	202.195

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
H2 - H3	90.000	1.000	1.571	0.293	0.217	0.383	0.324	0.393	200.568
H4 - H5	90.000	0.400	0.628	0.117	0.087	0.153	0.130	0.157	201.305
H6 - H7	90.000	0.400	0.628	0.117	0.087	0.153	0.130	0.157	202.377
H8 - H9	90.000	4.400	6.912	1.289	0.954	1.684	1.427	1.728	201.874



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED	
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.		 Suite 1, 2 Bloomsbury Street Geelong, VIC, Australia 3220	SEALING THE HILLS COCKATOO BAKER-GLEN PACKAGE	CARDINIA PACKAGE 10 - INTERSECTION DETAIL PLAN - 5	<b>TENDER                      NOT FOR CONSTRUCTION</b>	AS SHOWN	S.DEVGAN	M.RAHMAN
											PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
											M.TROUNCE	T.PALIOS	SEP 2021
											PROJECT NO.	DRAWING NO.	REVISION
											210152	R504	A



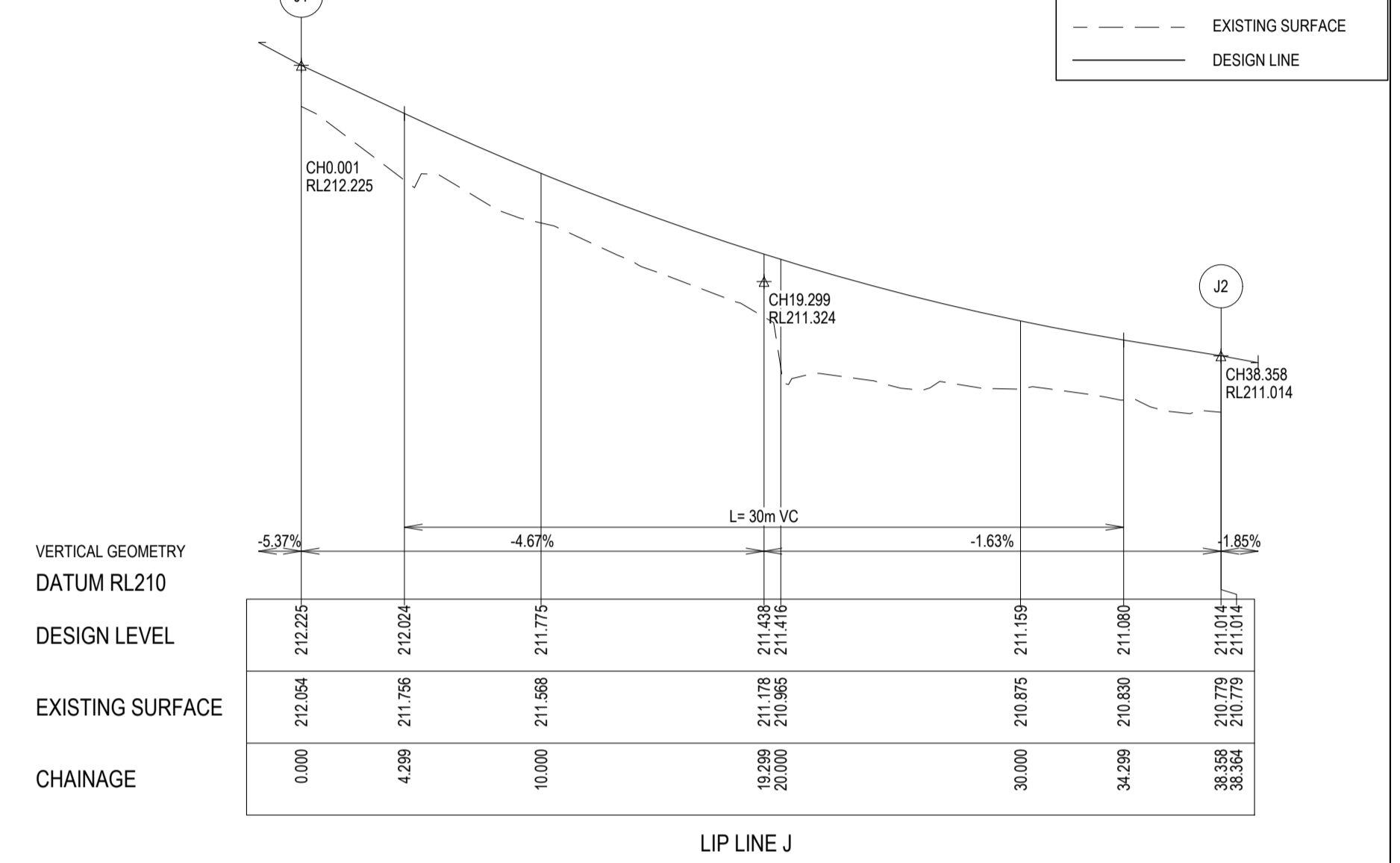
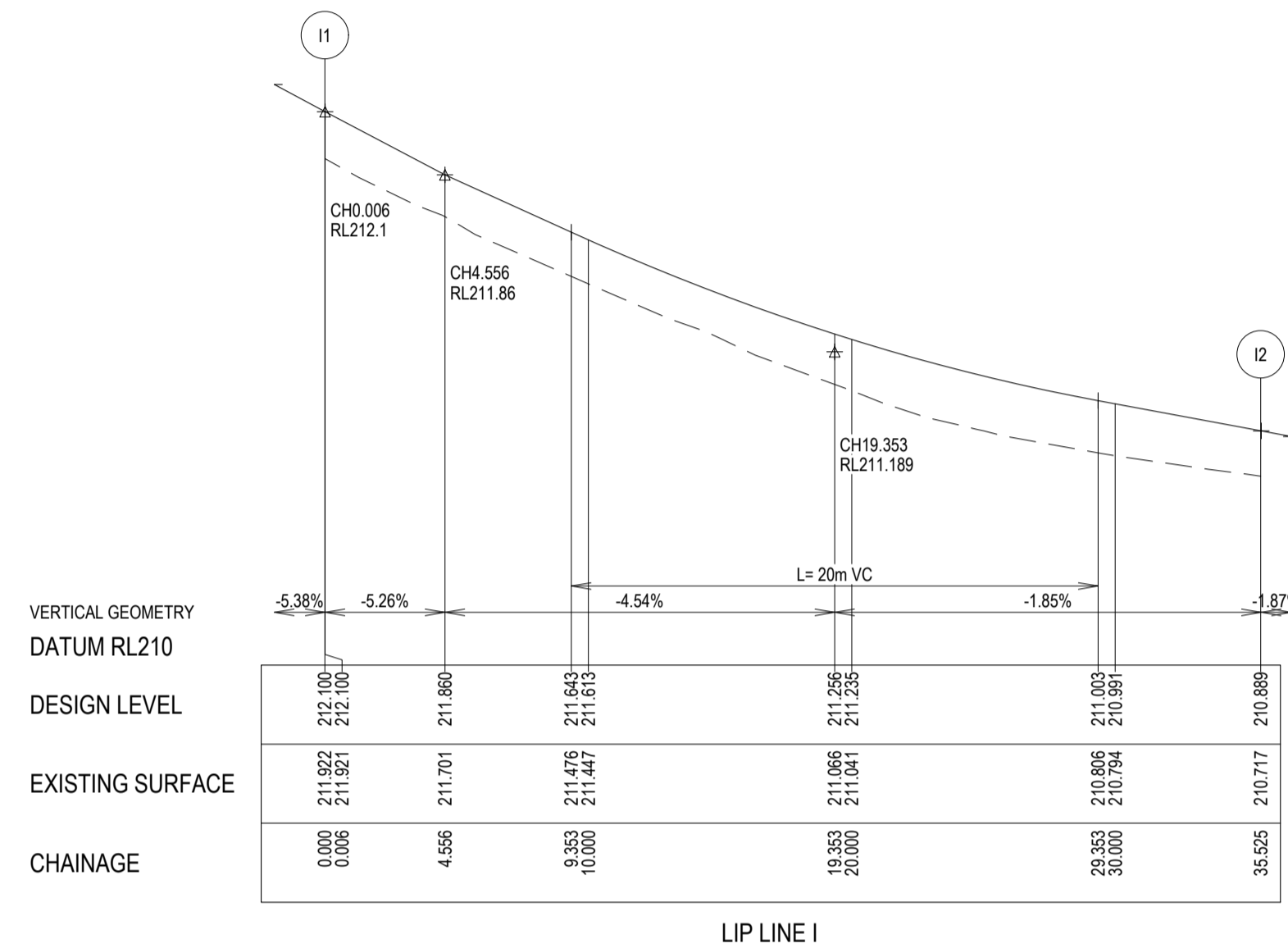
**LEGEND - INTERSECTION PLAN**

- Stormwater Drain, Pit & Property Inlet
- MAJOR CONTOUR - 0.1m
- MINOR CONTOUR - 0.05m
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**LEGEND**

- EXISTING SURFACE
- DESIGN LINE

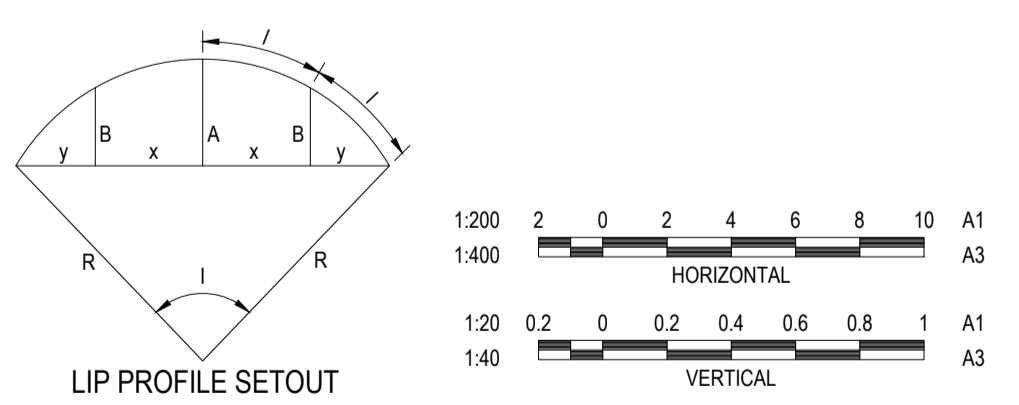


POINT NO	EASTING	NORTHING	RL
I1	366843.211	5800155.590	212.100
I2	366871.098	5800134.359	210.889

POINT NO	EASTING	NORTHING	RL
J1	366839.189	5800152.620	212.225
J2	366869.305	5800129.691	211.014

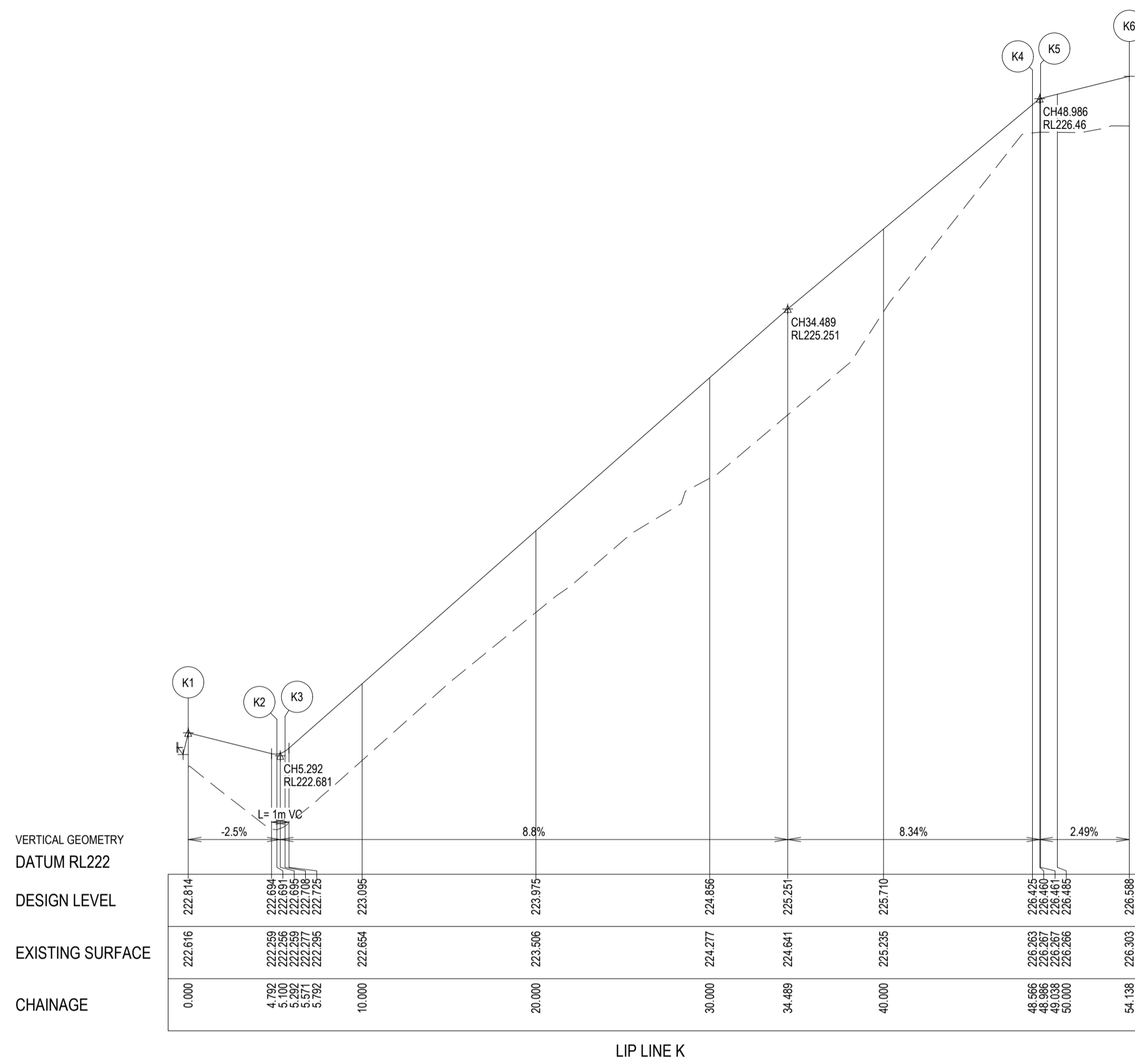
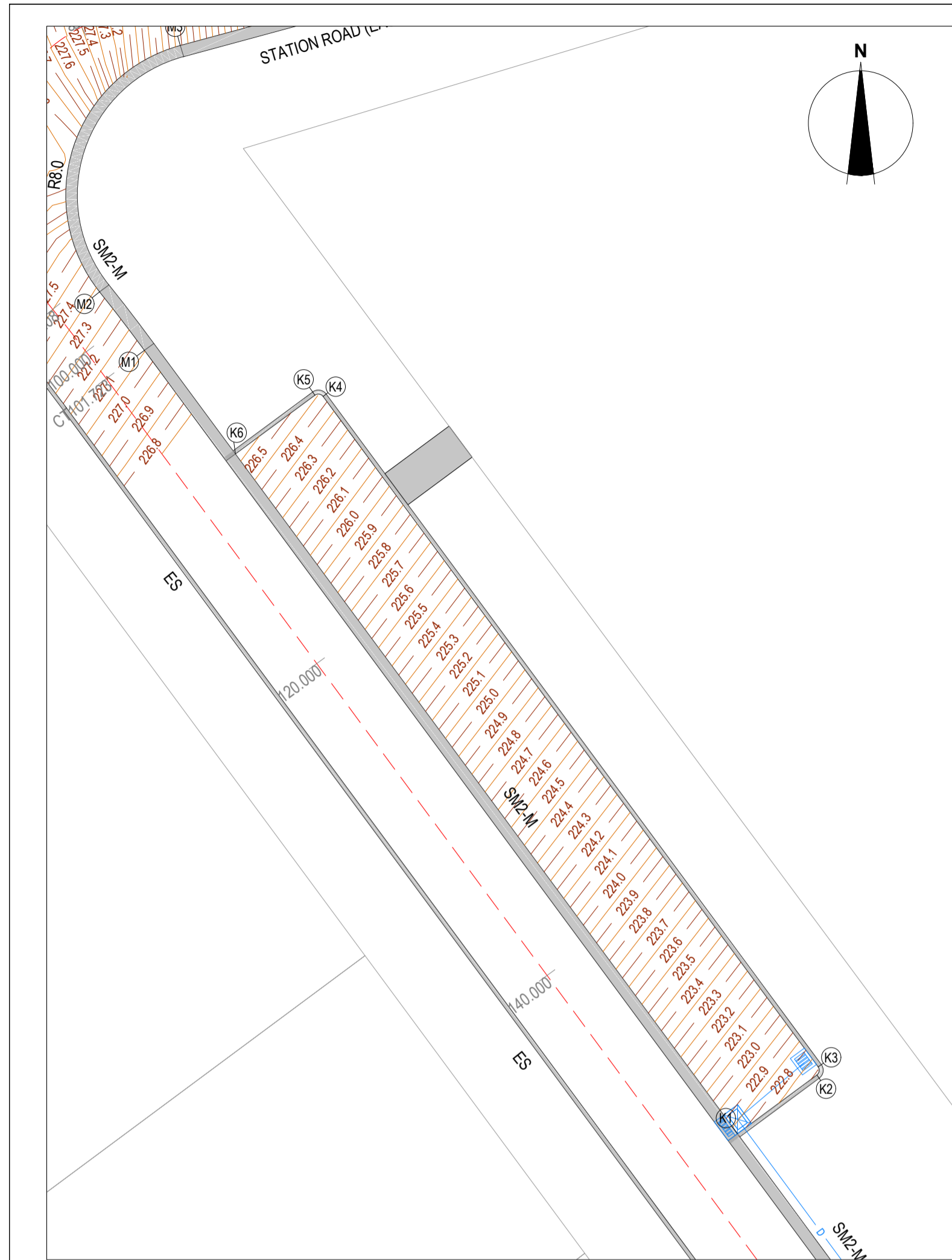
CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
I1 - I2	32.541	62.550	35.525	2.505	1.876	8.851	8.673	8.881	211.308

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
J1 - J2	32.541	67.550	38.364	2.705	2.026	9.559	9.367	9.591	211.442



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.

	 Suite 1, 2 Bloomsbury Street Geelong, VIC, Australia 3220	PROJECT	DRAWING TITLE	STATUS <b>TENDER</b> NOT FOR CONSTRUCTION	SCALE AT A1	DRAWN	DESIGNED
		SEALING THE HILLS COCKATOO BAKER-GLEN PACKAGE	CARDINIA PACKAGE 10 - INTERSECTION DETAIL PLAN - 6		AS SHOWN	S.DEVGAN	M.RAHMAN
					PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
		M.TROUNCE	T.PALIOS	SEP 2021	PROJECT NO.	DRAWING NO.	REVISION
					<b>210152</b>	<b>R505</b>	<b>A</b>



**LEGEND - INTERSECTION PLAN**

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- MAJOR CONTOUR - 0.1m
- MINOR CONTOUR - 0.05m
- GRADE LINE

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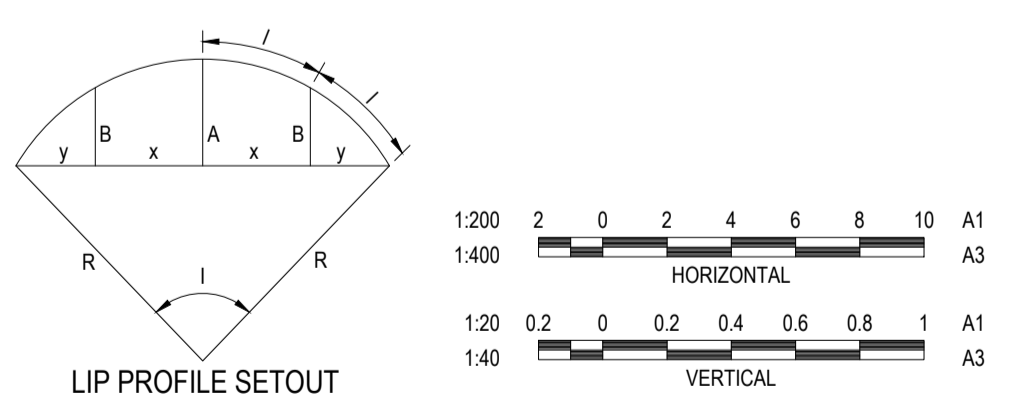
**LEGEND**

- EXISTING SURFACE
- DESIGN LINE

POINT NO	EASTING	NORTHING	RL
K1	366759.969	5800269.318	222.814
K2	366764.072	5800272.347	222.691
K3	366764.135	5800272.767	222.708
K4	366738.593	5800307.353	226.425
K5	366738.174	5800307.416	226.461
K6	366734.071	5800304.386	226.588

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
K2 - K3	90.000	0.300	0.471	0.088	0.065	0.115	0.097	0.118	222.697
K4 - K5	90.001	0.300	0.471	0.088	0.065	0.115	0.097	0.118	226.445



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.		 Suite 1, 2 Bloomsbury Street Geelong, VIC, Australia 3220	SEALING THE HILLS COCKATOO BAKER-GLEN PACKAGE	<b>TENDER NOT FOR CONSTRUCTION</b>	AS SHOWN	S.DEVGAN	M.RAHMAN
										PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
										M.TROUNCE	T.PALIOS	SEP 2021
										PROJECT NO.	DRAWING NO.	REVISION
										<b>210152</b>	<b>R505</b>	<b>A</b>

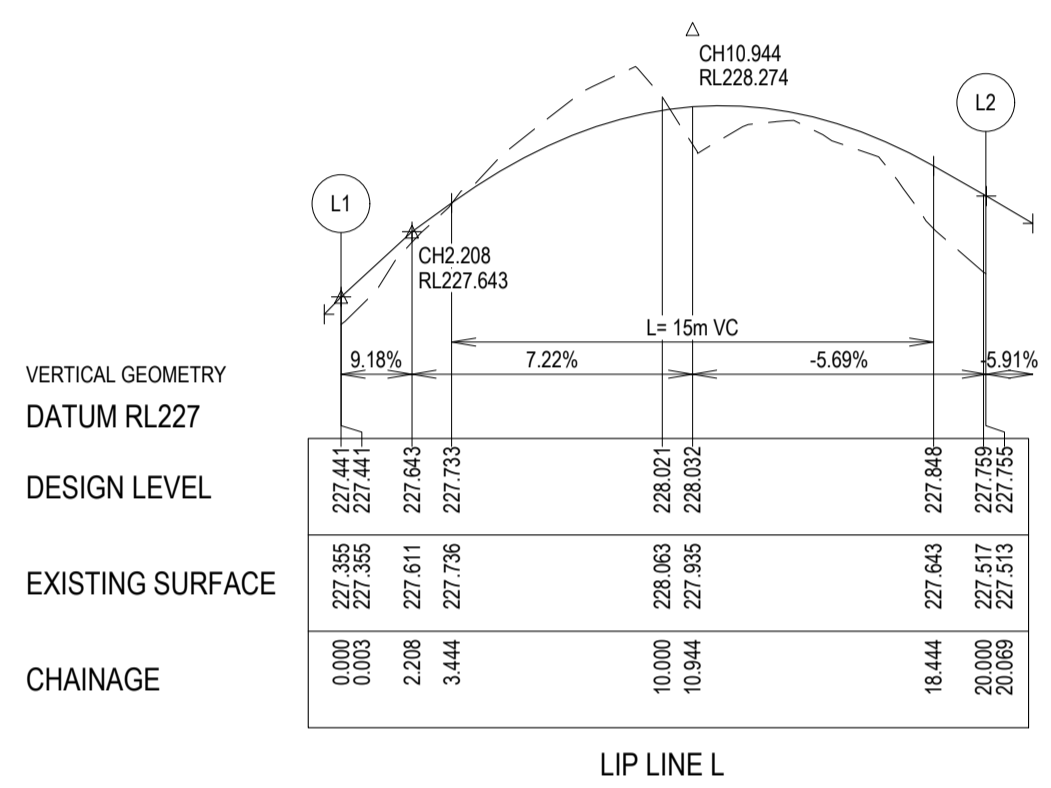
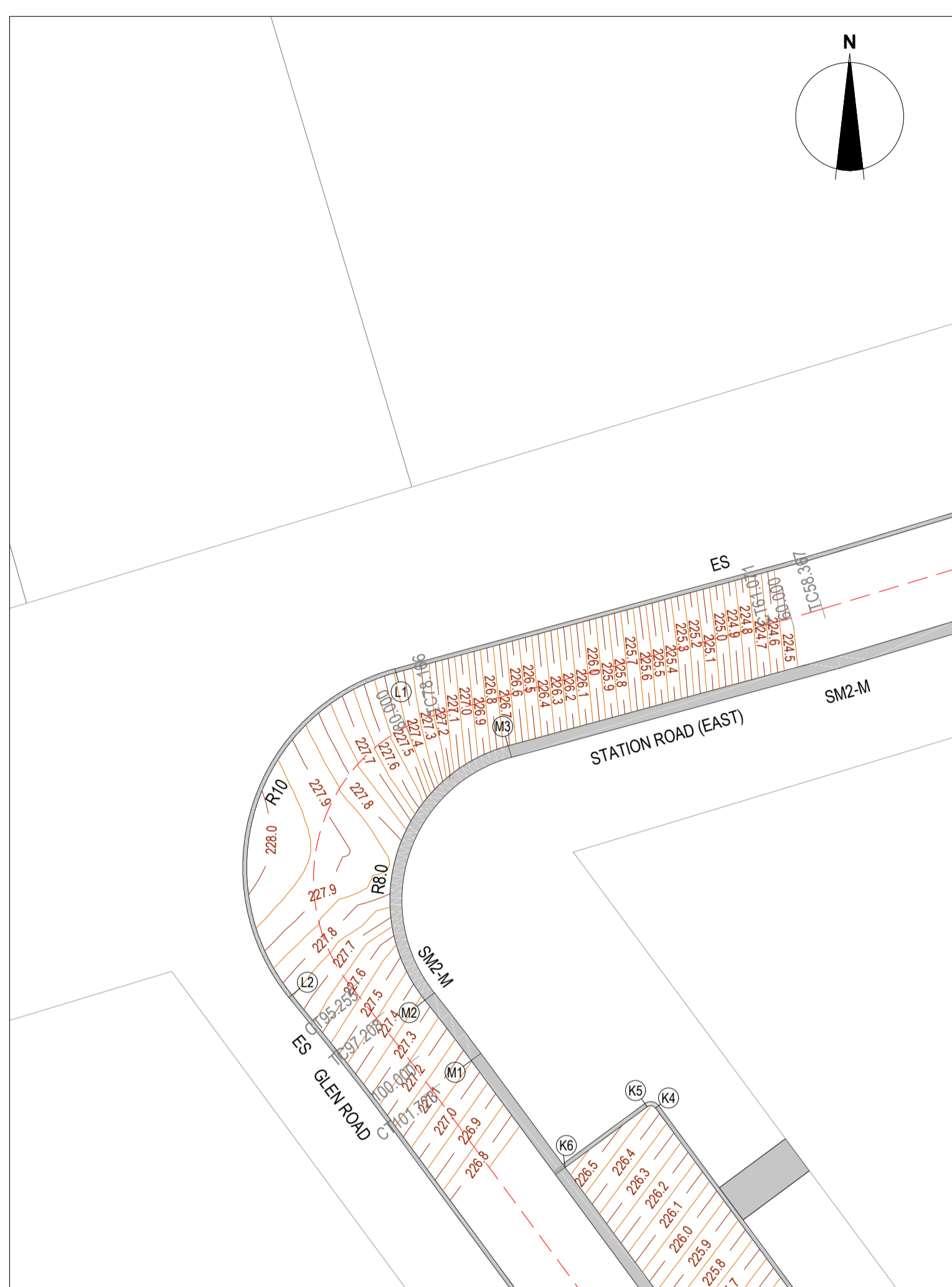
**LEGEND - INTERSECTION PLAN**

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MAJOR CONTOUR - 0.1m
- MINOR CONTOUR - 0.05m
- GRADE LINE

**WARNING**  
**BEWARE OF UNDERGROUND & OVERHEAD SERVICES**  
 The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works.  
**DIAL 1100 BEFORE YOU DIG**  
 www.1100.com.au

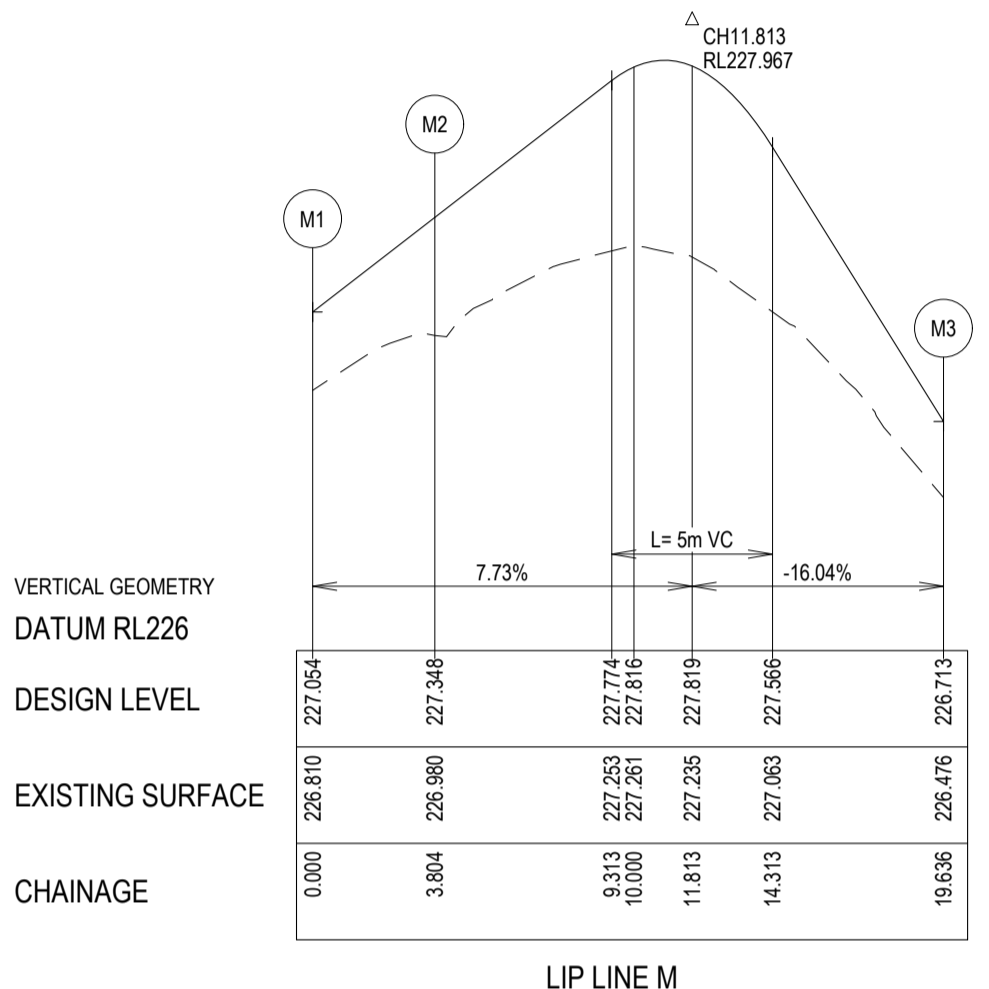
**LEGEND**

- EXISTING SURFACE
- DESIGN LINE



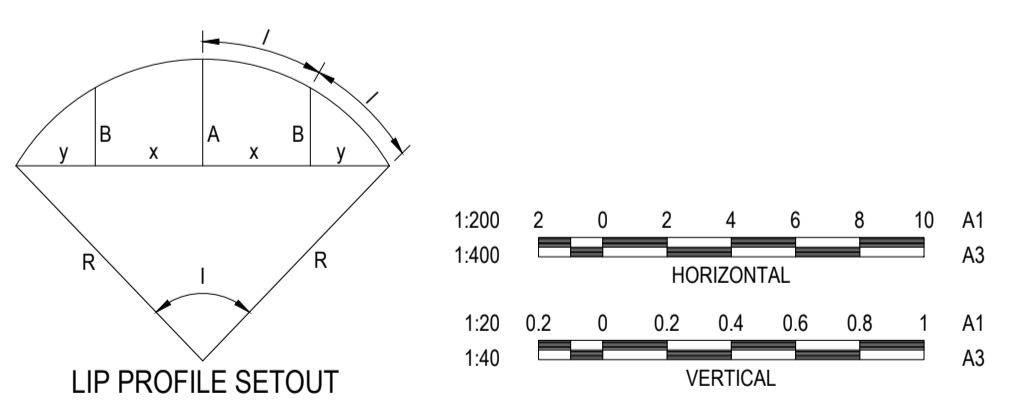
POINT NO	EASTING	NORTHING	RL
L1	366725.619	5800329.116	227.441
L2	366720.419	5800313.008	227.755

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
L1 - L2	113.850	10.100	20.069	4.588	3.367	4.813	3.650	5.017	228.022



POINT NO	EASTING	NORTHING	RL
M1	366729.379	5800309.729	227.054
M2	366727.063	5800312.747	227.346
M3	366731.223	5800325.456	226.713

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
M1 - M2	2.127	102.450	3.804	0.018	0.013	0.951	0.951	0.951	227.201
M2 - M3	113.390	8.000	15.832	3.607	2.648	3.799	2.888	3.958	227.822



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.

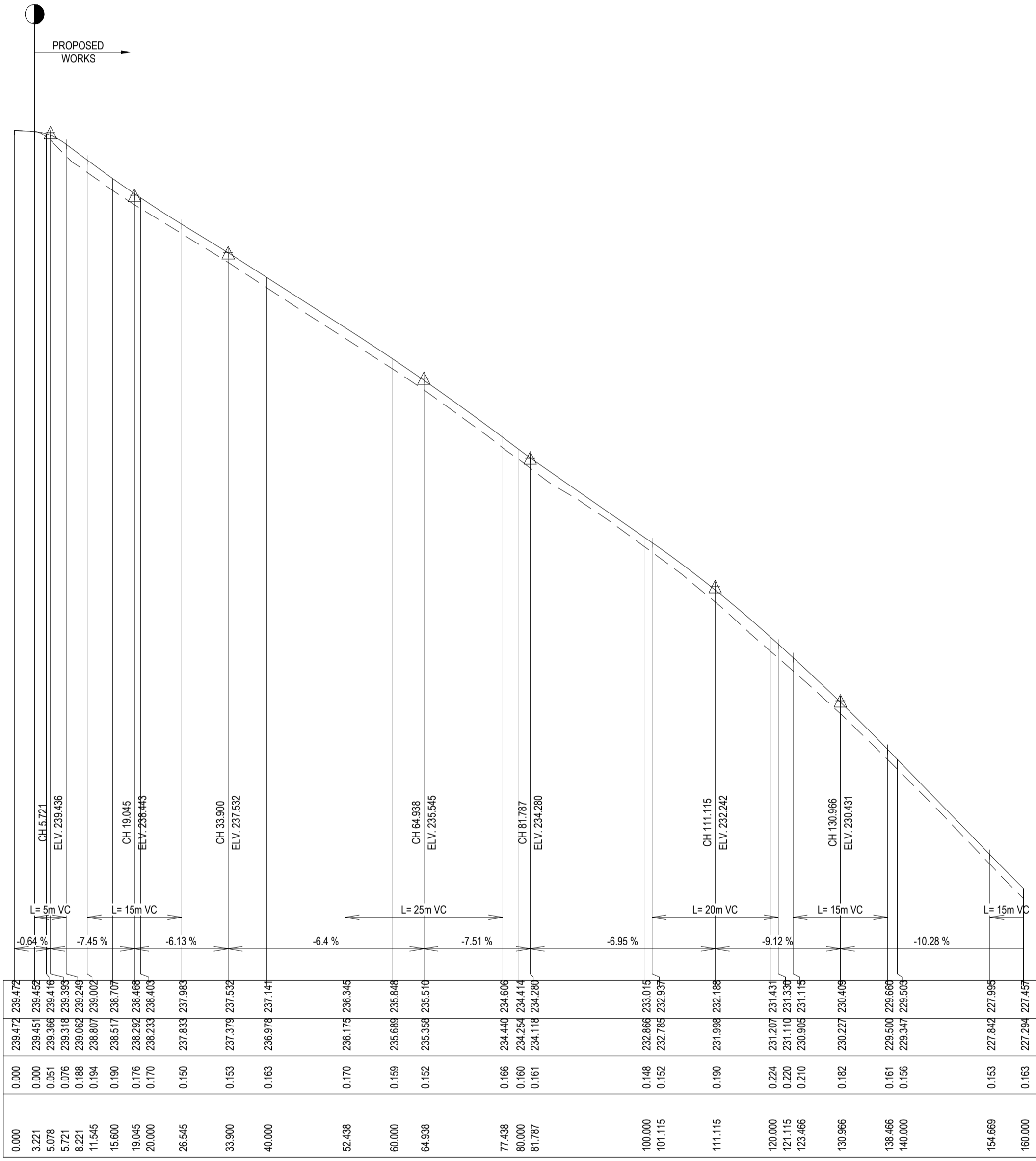
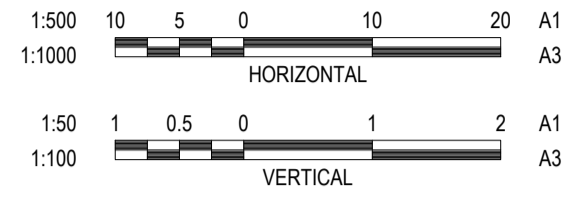


**PROJECT**  
 SEALING THE HILLS  
 COCKATOO  
 BAKER-GLEN PACKAGE

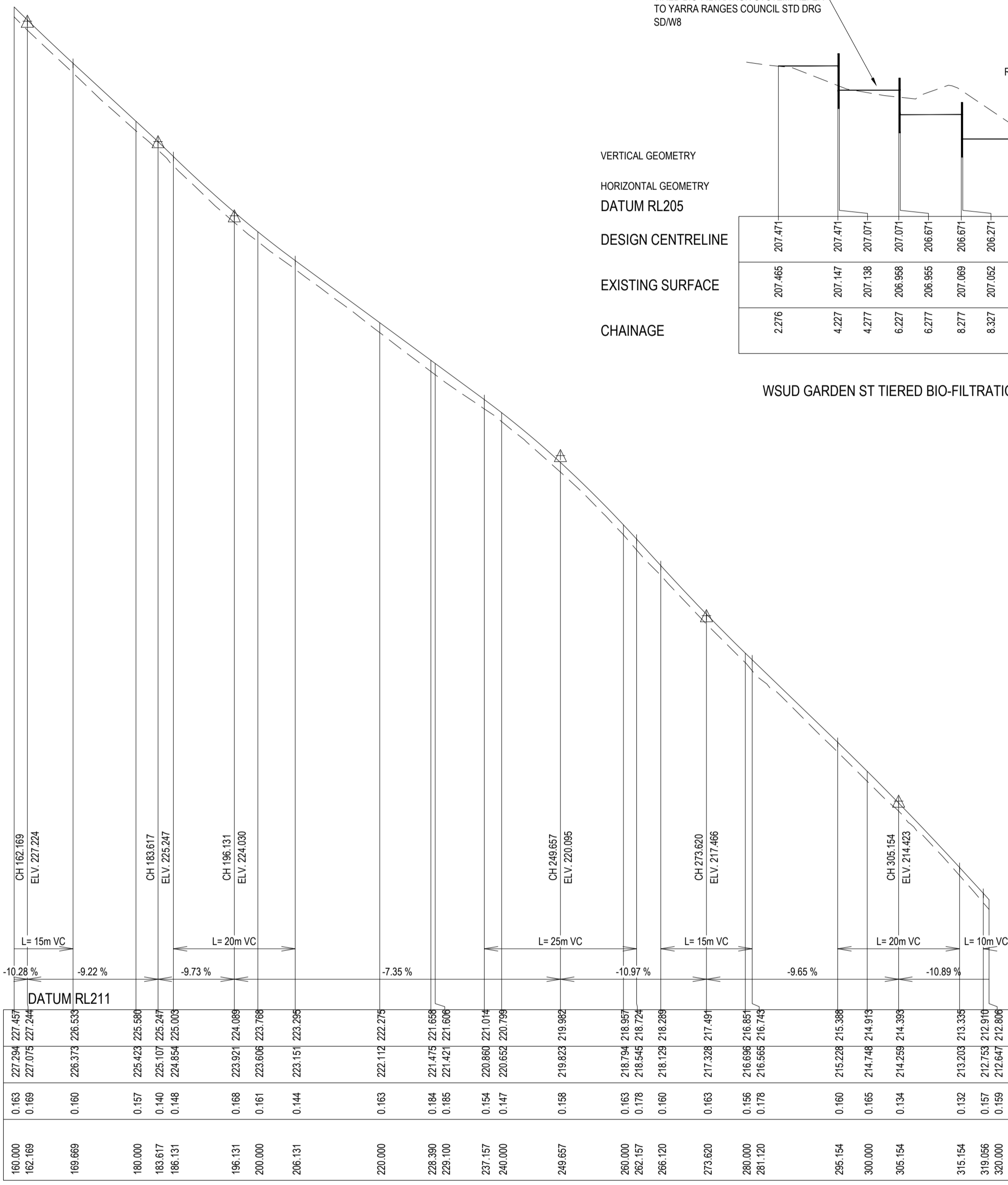
**DRAWING TITLE**  
 CARDINIA PACKAGE 10 -  
 INTERSECTION DETAIL PLAN - 8

**STATUS**  
 TENDER  
 NOT FOR CONSTRUCTION

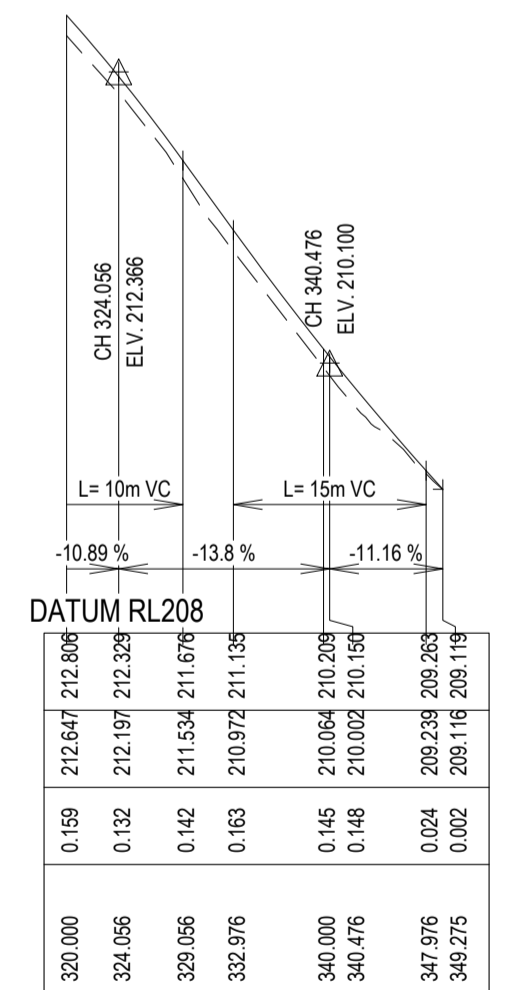
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AS SHOWN	S.DEVGAN	M.RAHMAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	SEP 2021
PROJECT NO.	DRAWING NO.	REVISION
210152	R507	A



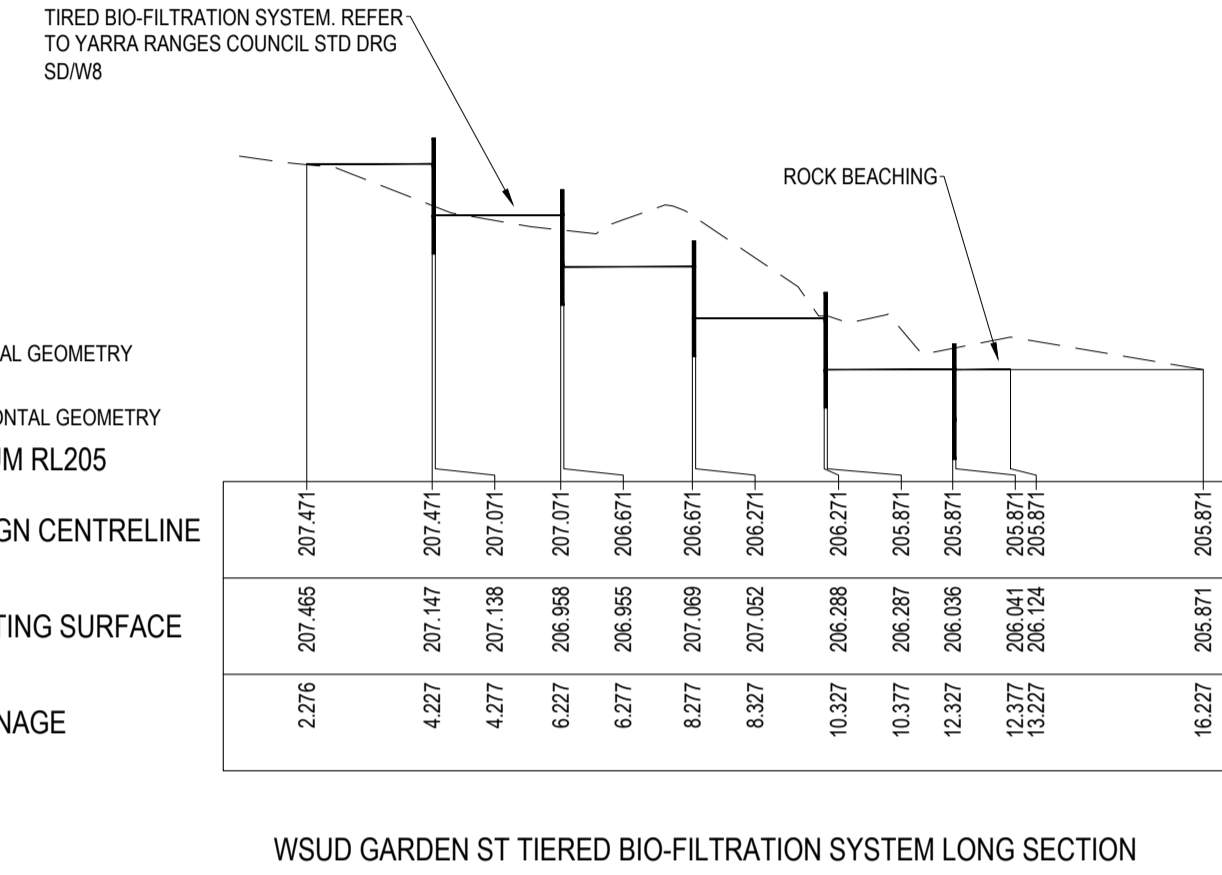
GARDEN ST LONGITUDINAL SECTION



GARDEN ST LONGITUDINAL SECTION (CONT.)



GARDEN ST LONGITUDINAL SECTION (CONT.)



WSUD GARDEN ST TIERED BIO-FILTRATION SYSTEM LONG SECTION

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.



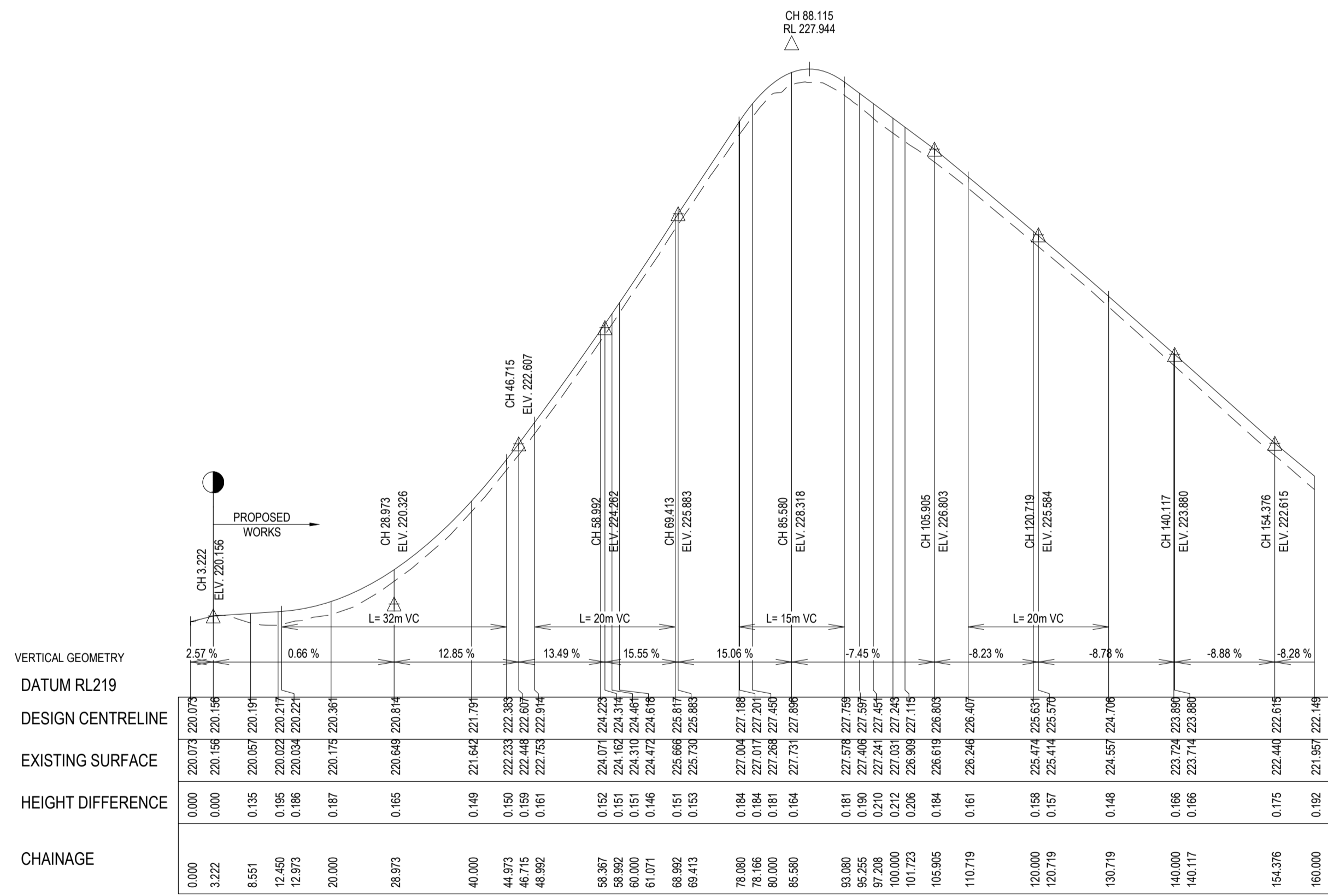
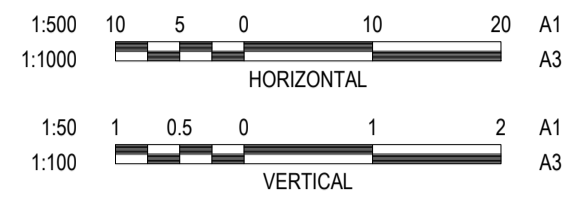
PROJECT  
**SEALING THE HILLS  
 COCKATOO  
 BAKER-GLEN PACKAGE**

DRAWING TITLE  
**CARDINIA PACKAGE 10 -  
 LONGITUDINAL SECTIONS - SHEET 1**

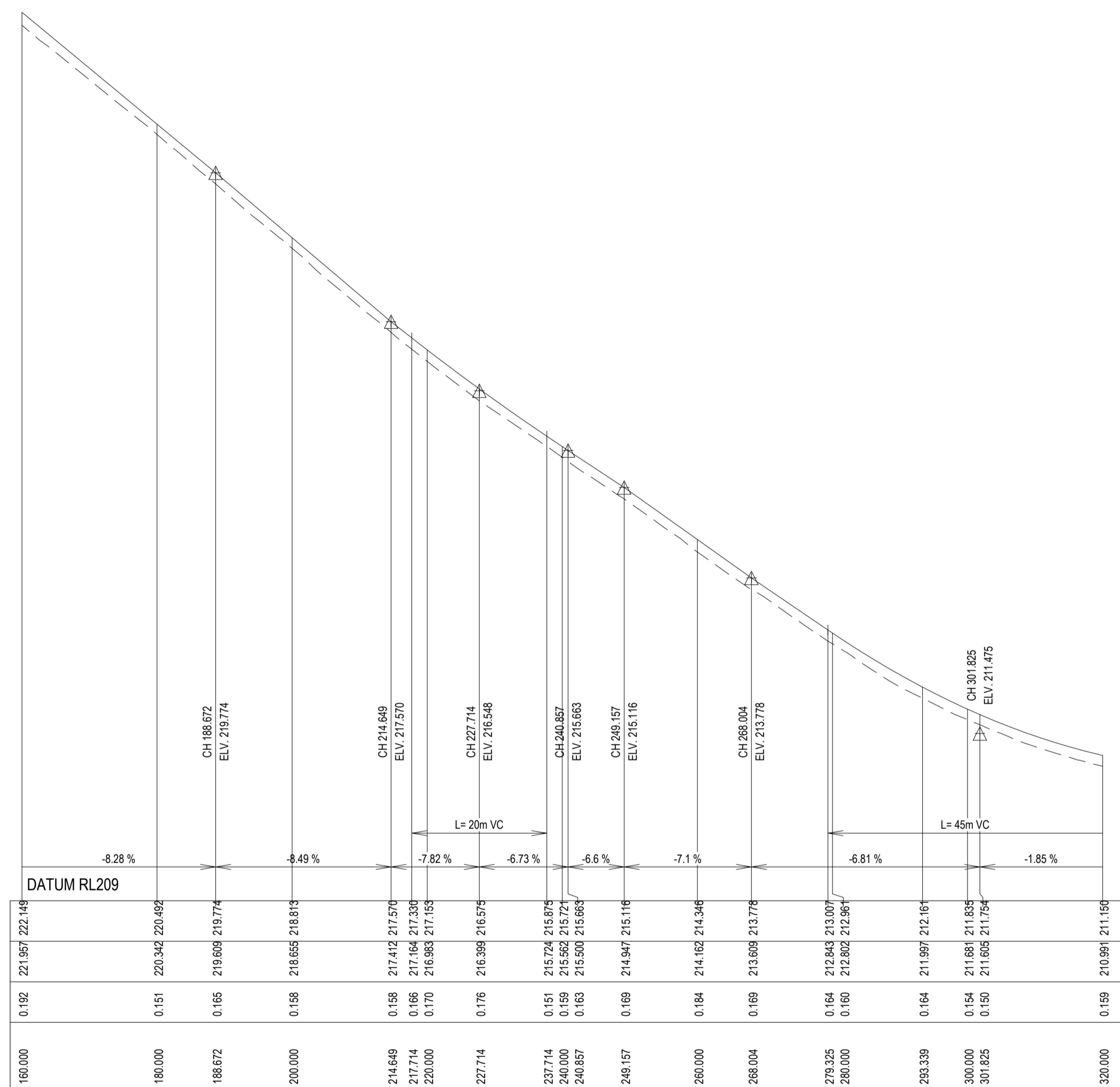
STATUS  
**TENDER  
 NOT FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	S.DEVGAN	M.RAHMAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	SEP 2021
PROJECT No.	DRAWING No.	REVISION
<b>210152</b>	<b>R600</b>	<b>A</b>





GLEN ROAD LONGITUDINAL SECTION



GLEN ROAD LONGITUDINAL SECTION (CONT.)

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
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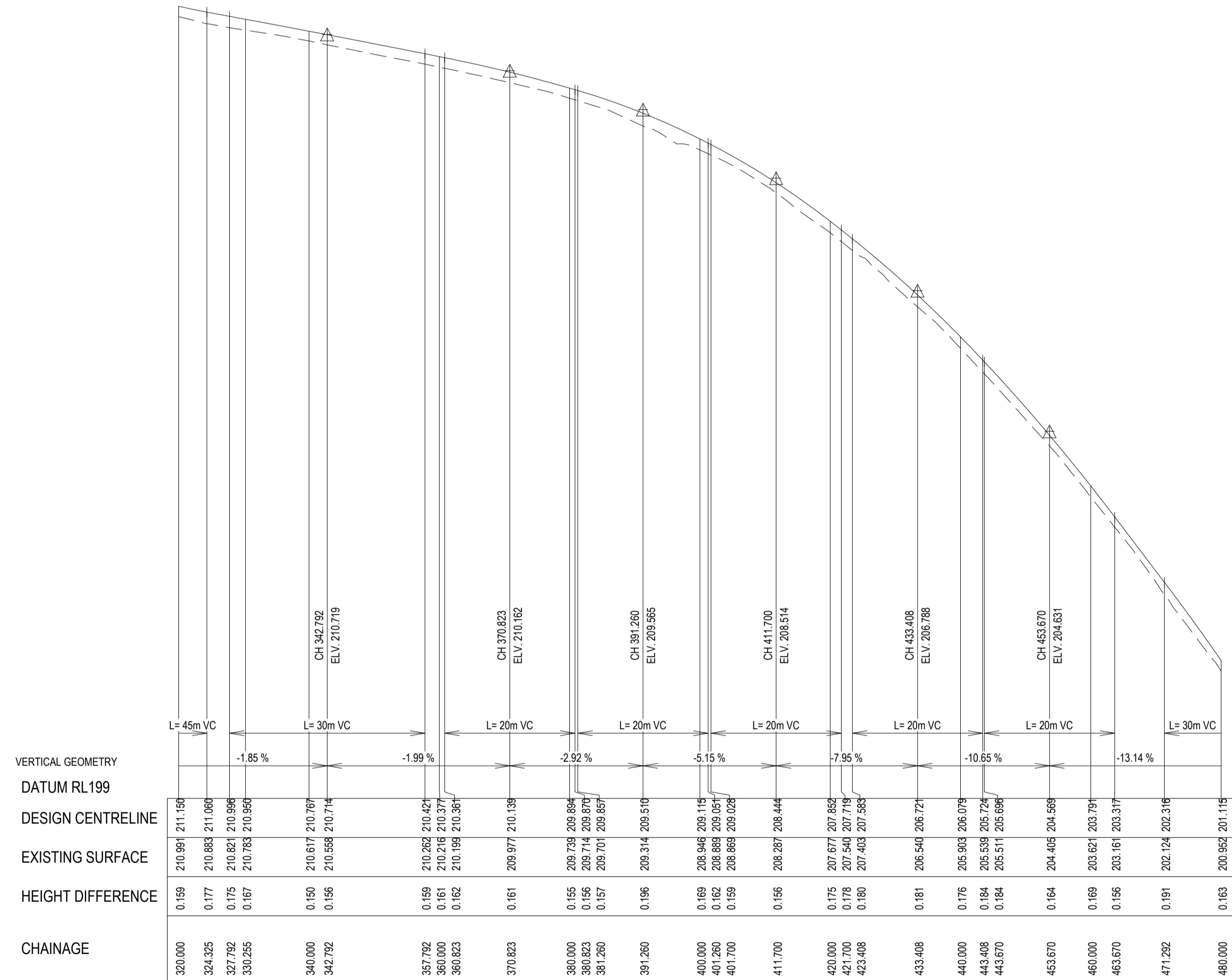
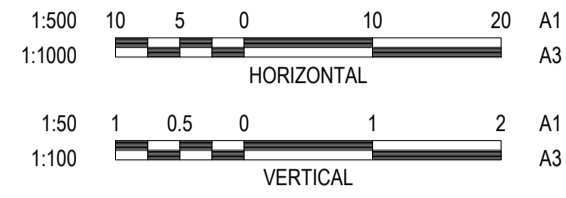


PROJECT  
**SEALING THE HILLS  
 COCKATOO  
 BAKER-GLEN PACKAGE**

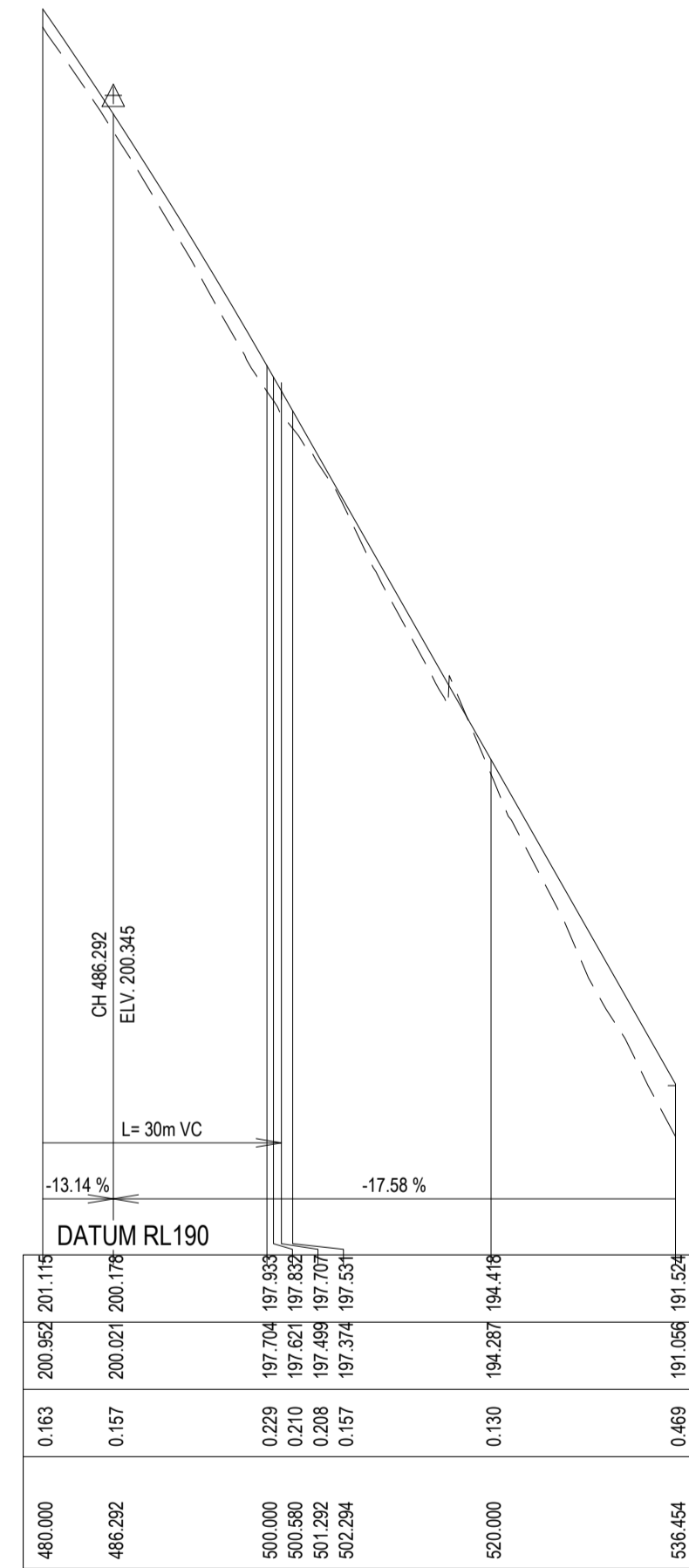
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**CARDINIA PACKAGE 10 -  
 LONGITUDINAL SECTIONS - SHEET 2**

STATUS  
**TENDER  
 NOT FOR CONSTRUCTION**

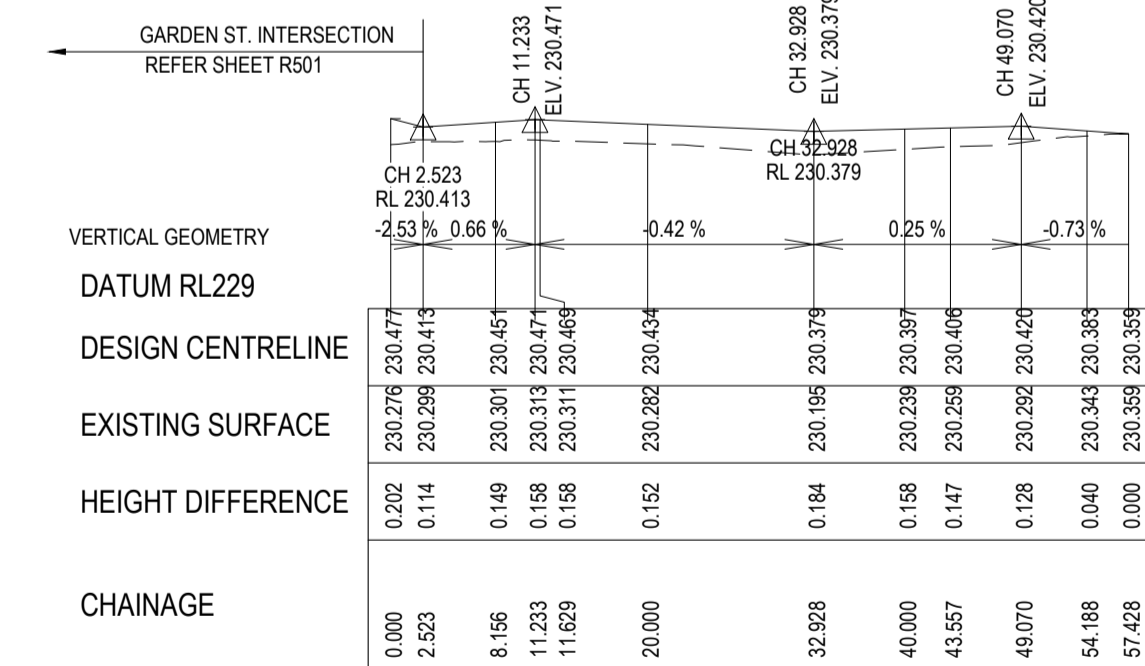
SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	S.DEVGAN	M.RAHMAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	SEP 2021
PROJECT No.	DRAWING No.	REVISION
<b>210152</b>	<b>R601</b>	<b>A</b>



GLEN ROAD LONGITUDINAL SECTION (CONT.)

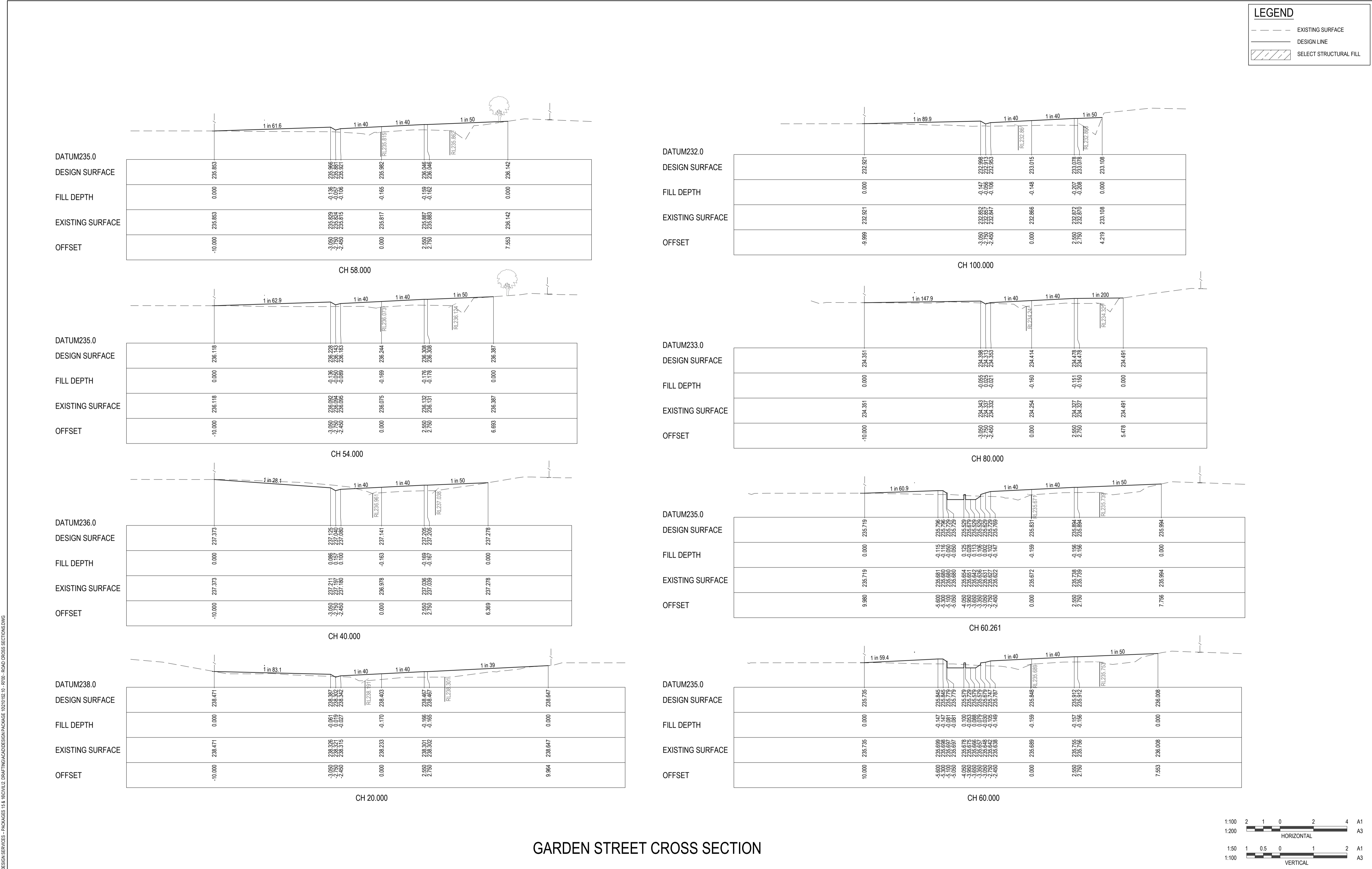


GLEN ROAD LONGITUDINAL SECTION (CONT.)

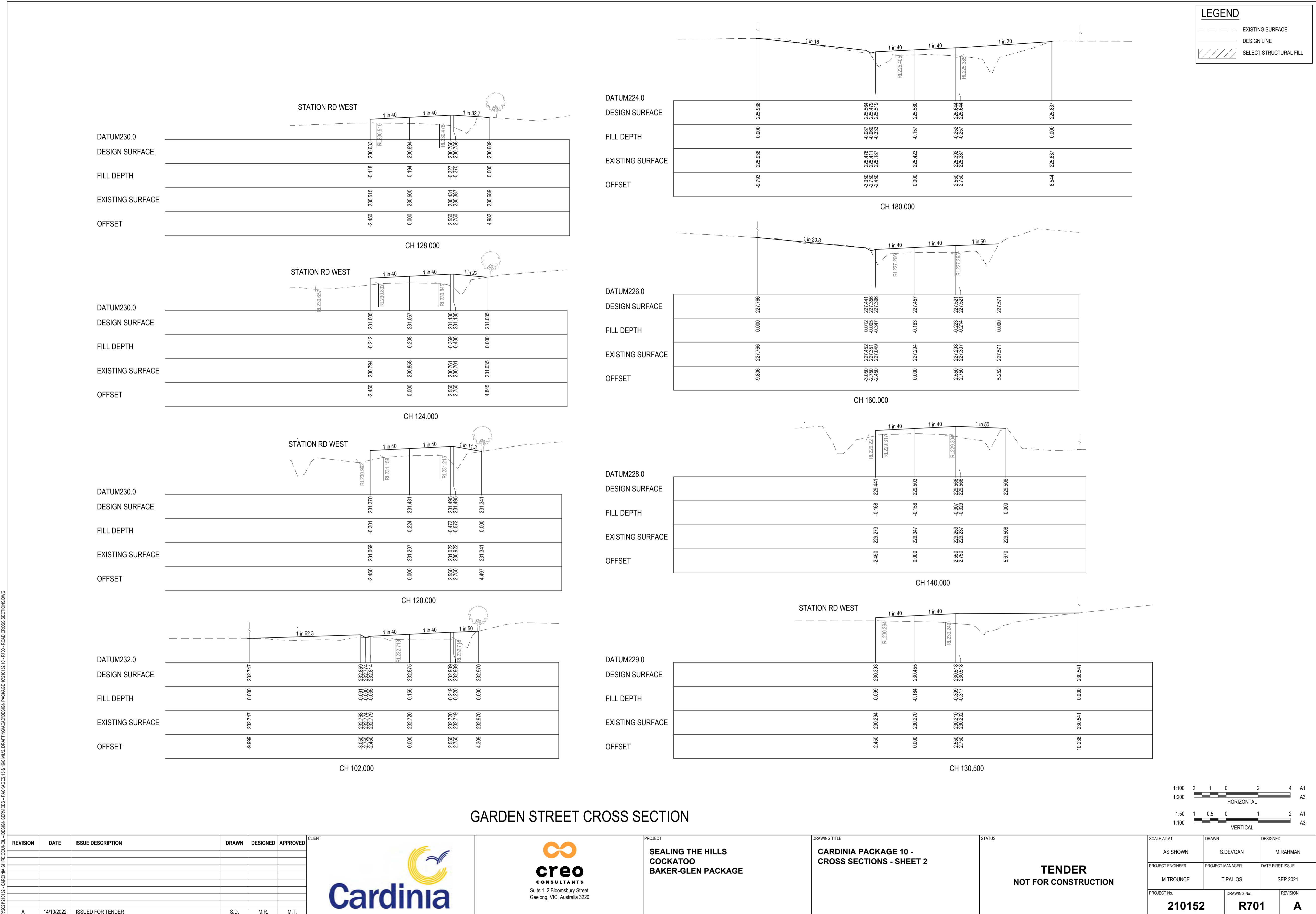


STATION ROAD WEST LONGITUDINAL SECTION

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED	
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.		 Suite 1, 2 Bloomsbury Street Geelong, VIC, Australia 3220	SEALING THE HILLS COCKATOO BAKER-GLEN PACKAGE	CARDINIA PACKAGE 10 - LONGITUDINAL SECTIONS - SHEET 3	TENDER NOT FOR CONSTRUCTION	AS SHOWN	S.DEVGAN	M.RAHMAN
											PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
											M.TROUNCE	T.PALIOS	SEP 2021
											PROJECT NO.	DRAWING NO.	REVISION
											210152	R602	A



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED	
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.		 Suite 1, 2 Bloomsbury Street Geelong, VIC, Australia 3220	SEALING THE HILLS COCKATOO BAKER-GLEN PACKAGE	CARDINIA PACKAGE 10 - CROSS SECTIONS - SHEET 1	TENDER NOT FOR CONSTRUCTION	AS SHOWN	S.DEVGAN	M.RAHMAN
										PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE	
										M.TROUNCE	T.PALIOS	SEP 2021	
										PROJECT NO.	DRAWING NO.	REVISION	
										210152	R700	A	



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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT
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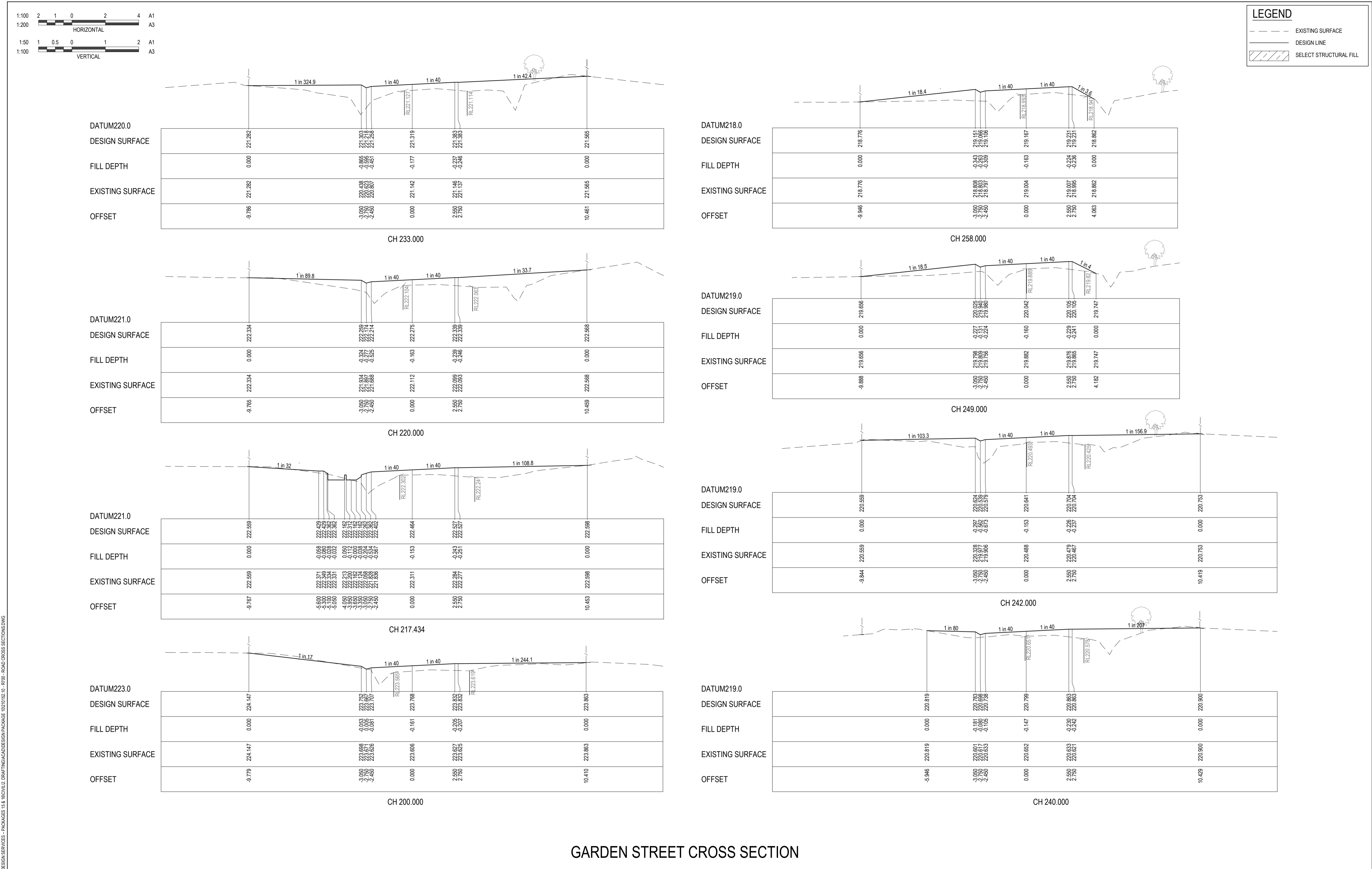
Suite 1, 2 Bloomsbury Street  
Geelong, VIC, Australia 3220

PROJECT  
**SEALING THE HILLS  
COCKATOO  
BAKER-GLEN PACKAGE**

DRAWING TITLE  
**CARDINIA PACKAGE 10 -  
CROSS SECTIONS - SHEET 2**

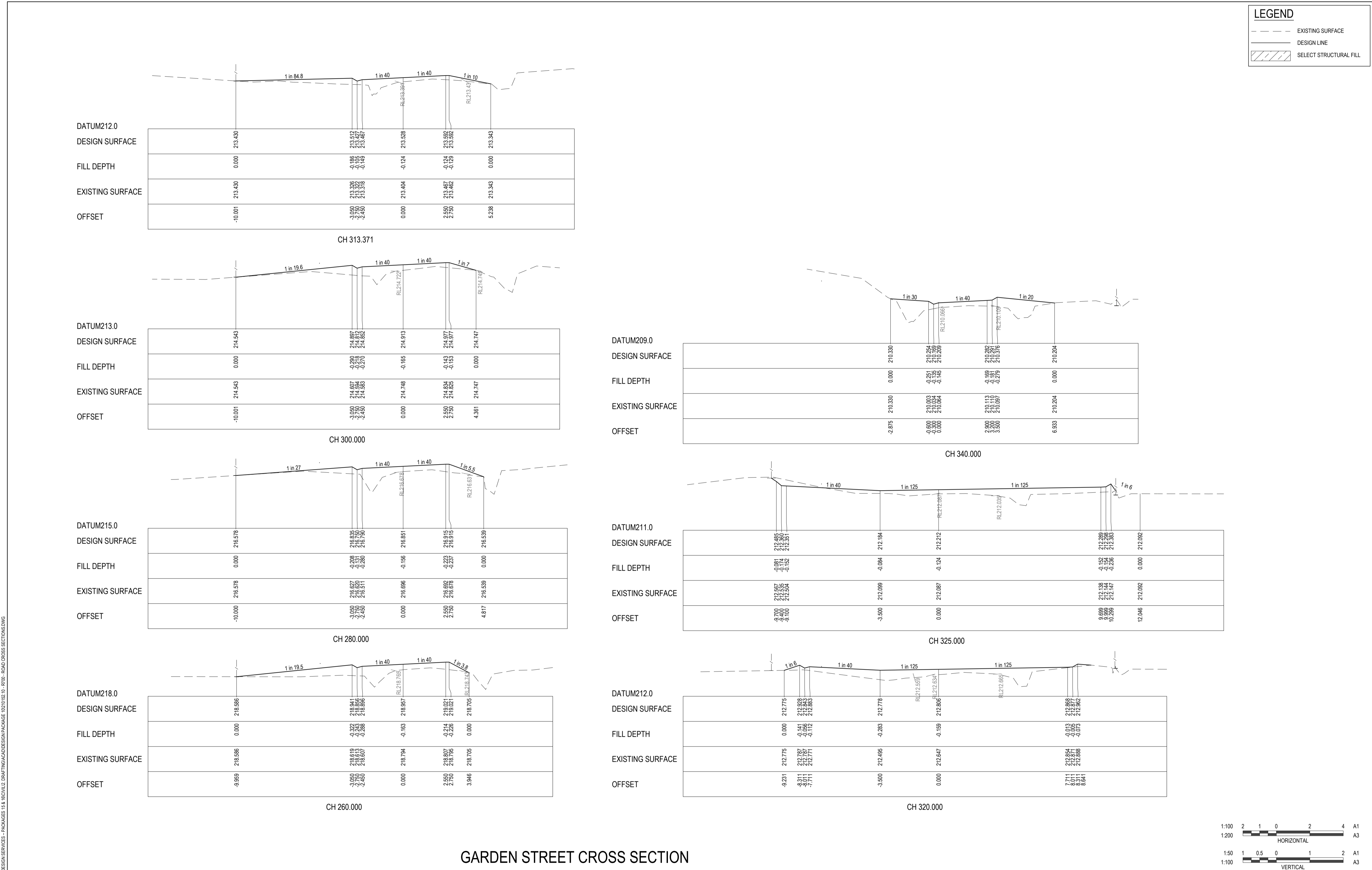
STATUS  
**TENDER  
NOT FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	S.DEVGAN	M.RAHMAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	SEP 2021
PROJECT No.	DRAWING No.	REVISION
<b>210152</b>	<b>R701</b>	<b>A</b>

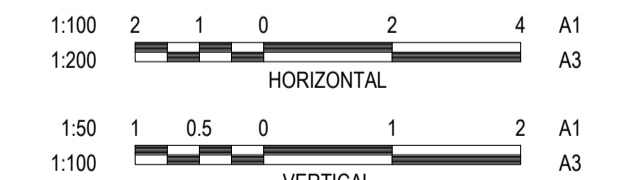


GARDEN STREET CROSS SECTION

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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED																					
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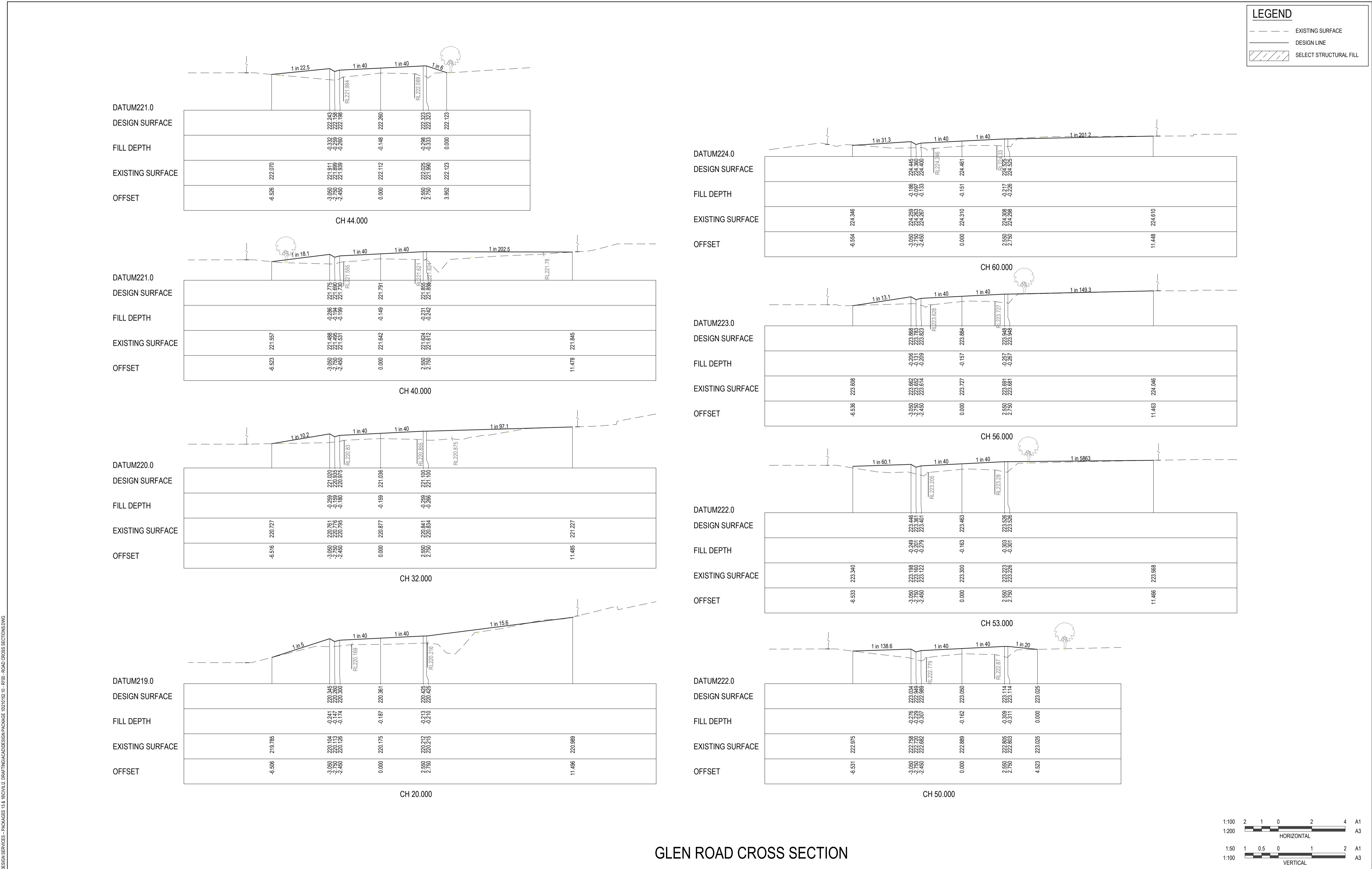


GARDEN STREET CROSS SECTION

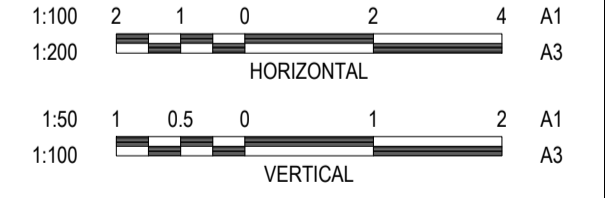


REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED
						Cardinia	SEALING THE HILLS COCKATOO BAKER-GLEN PACKAGE	CARDINIA PACKAGE 10 - CROSS SECTIONS - SHEET 4	TENDER NOT FOR CONSTRUCTION	AS SHOWN	S.DEVGAN	M.RAHMAN
										PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
										M.TROUNCE	T.PALIOS	SEP 2021
										PROJECT NO.	DRAWING NO.	REVISION
										210152	R703	A

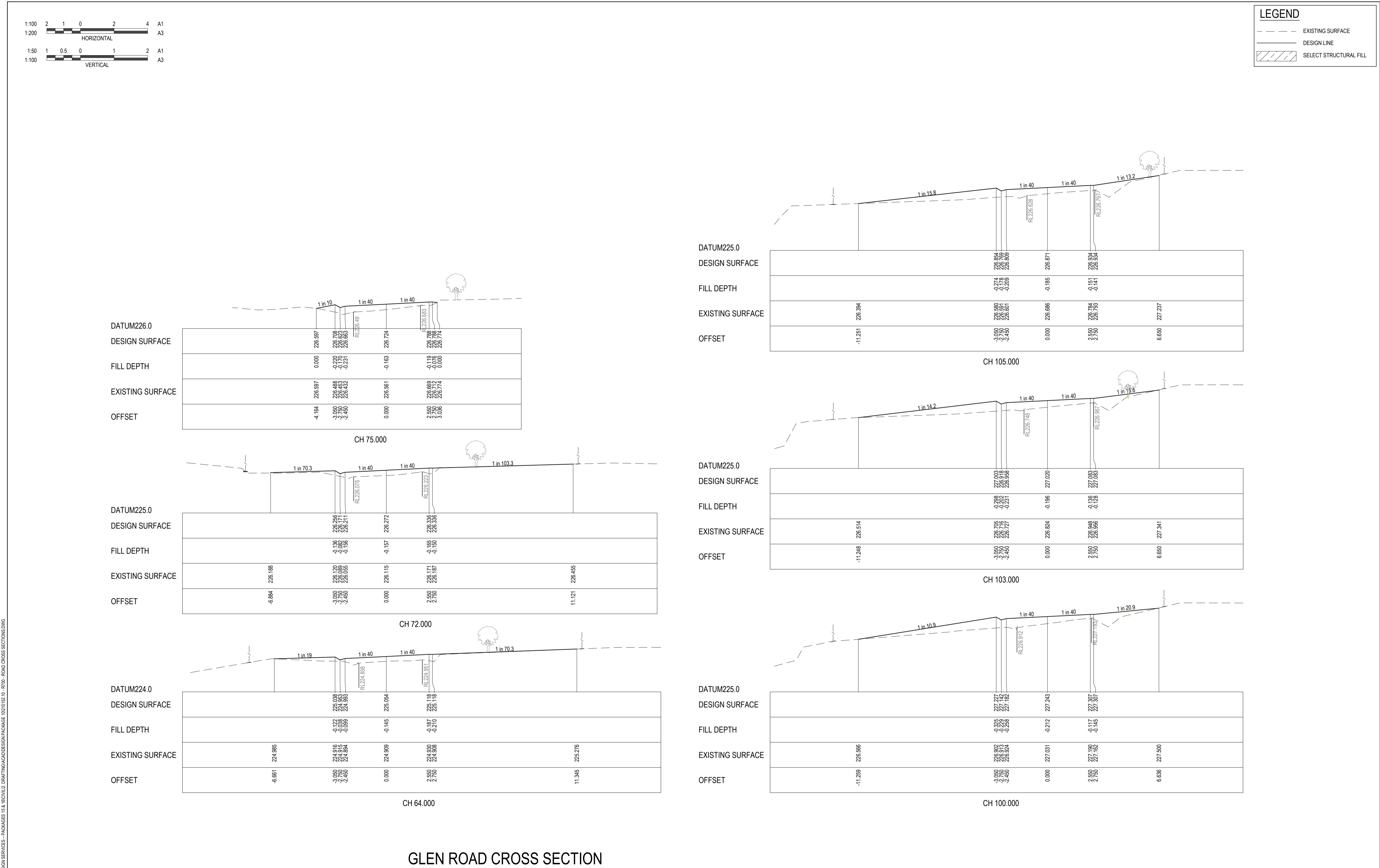
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GLEN ROAD CROSS SECTION



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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED																															
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SCALE AT A1	DRAWN	DESIGNED																																		
AS SHOWN	S.DEVGAN	M.RAHMAN																																		
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE																																		
M.TROUNCE	T.PALIOS	SEP 2021																																		
PROJECT NO.	DRAWING NO.	REVISION																																		
<b>210152</b>	<b>R704</b>	<b>A</b>																																		



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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT
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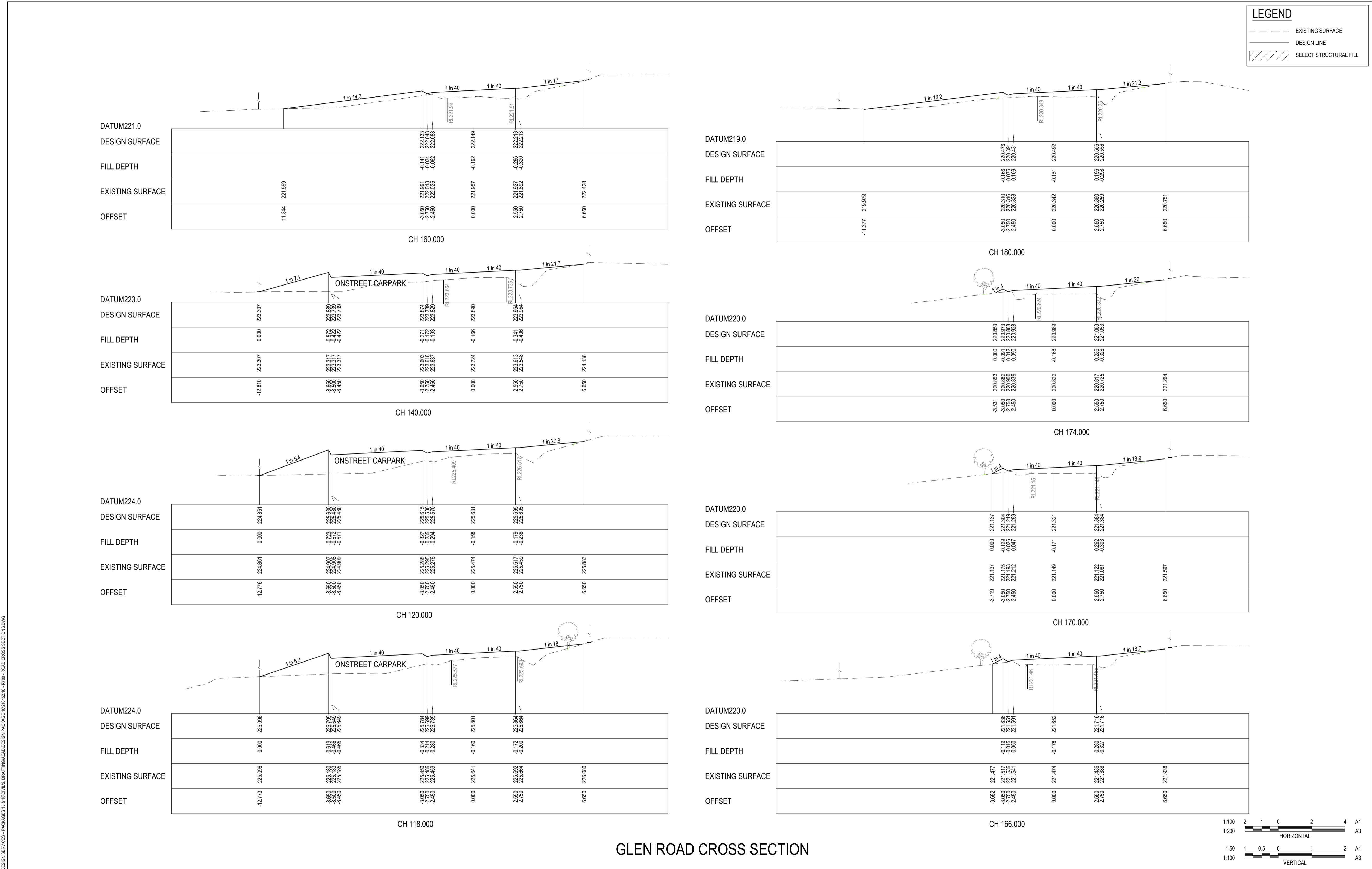
PROJECT  
**SEALING THE HILLS  
COCKATOO  
BAKER-GLEN PACKAGE**

DRAWING TITLE  
**CARDINIA PACKAGE 10 -  
CROSS SECTIONS - SHEET 6**

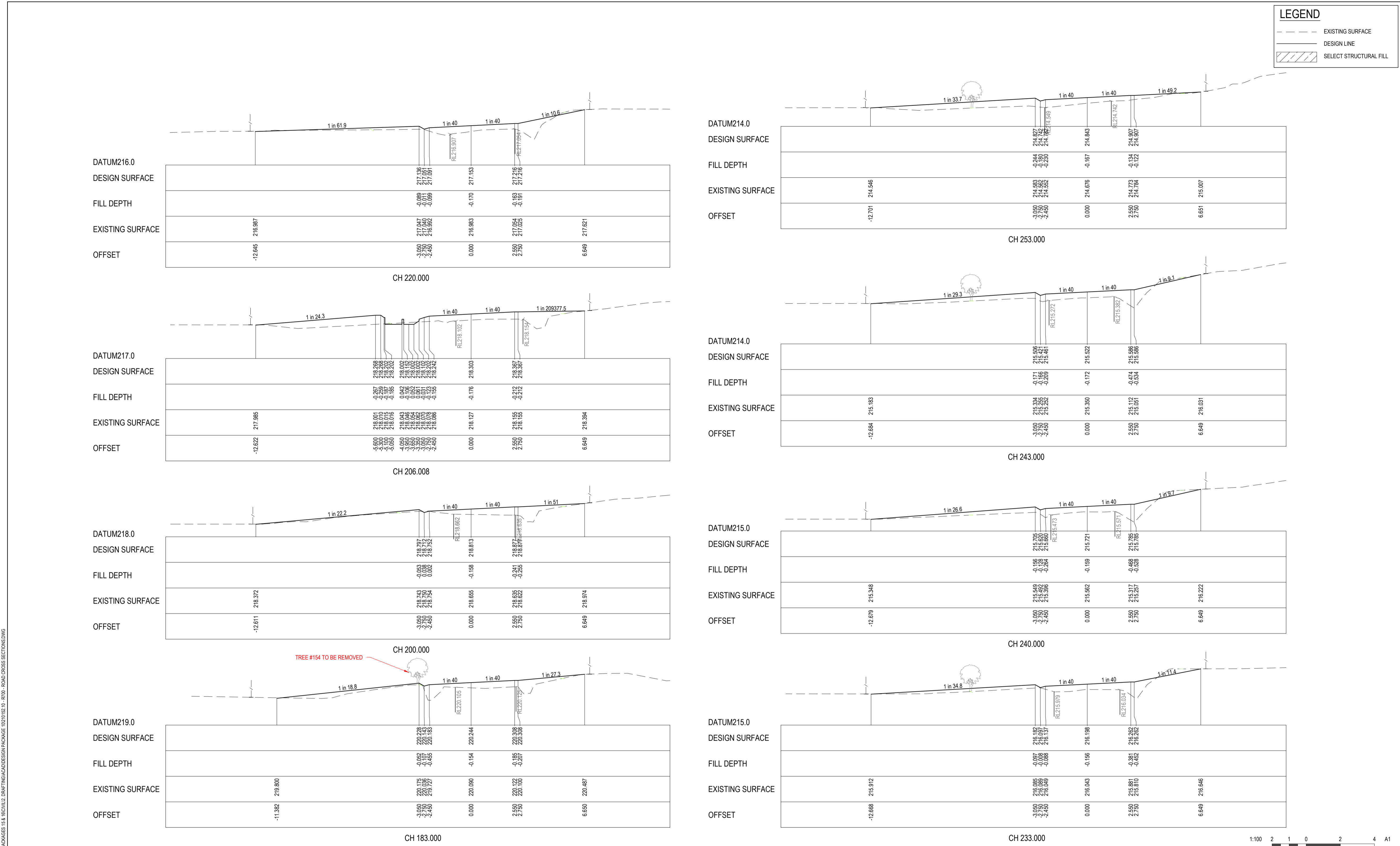
STATUS  
**TENDER  
NOT FOR CONSTRUCTION**

SCALE AT A1 AS SHOWN	DRAWN S.DEVGAN	DESIGNED M.RAHMAN
PROJECT ENGINEER M.TROUNCE	PROJECT MANAGER T.PALIOS	DATE FIRST ISSUE SEP 2021
PROJECT NO. <b>210152</b>	DRAWING NO. <b>R705</b>	REVISION <b>A</b>

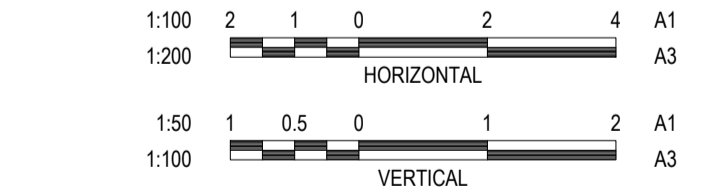




REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED	
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.	 <b>Cardinia</b>	 <b>creo CONSULTANTS</b> Suite 1, 2 Bloomsbury Street Geelong, VIC, Australia 3220	SEALING THE HILLS COCKATOO BAKER-GLEN PACKAGE	CARDINIA PACKAGE 10 - CROSS SECTIONS - SHEET 7	TENDER NOT FOR CONSTRUCTION	AS SHOWN	S.DEVGAN	M.RAHMAN
										PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE	
										M.TROUNCE	T.PALIOS	SEP 2021	
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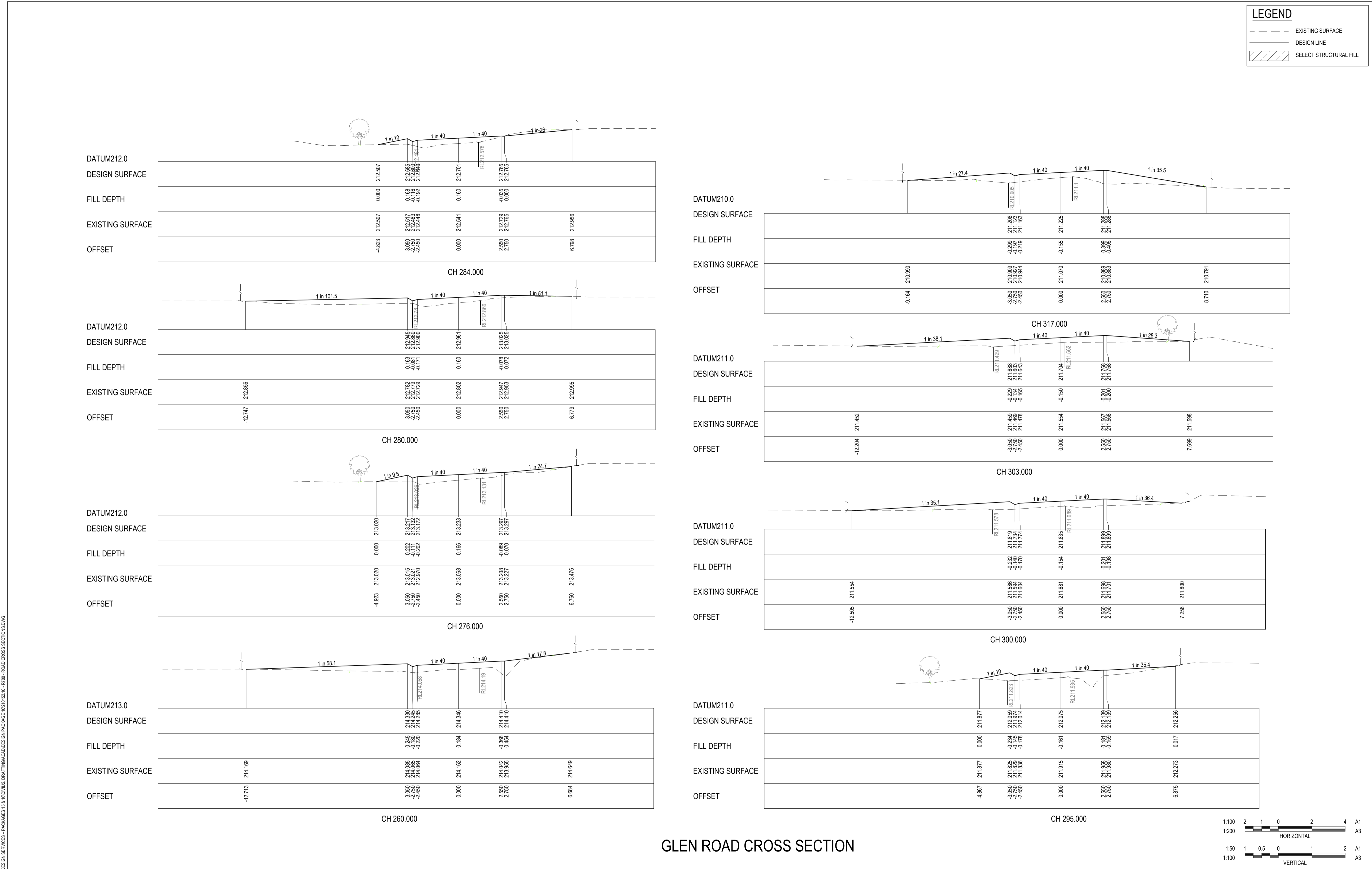


**GLEN ROAD CROSS SECTION**

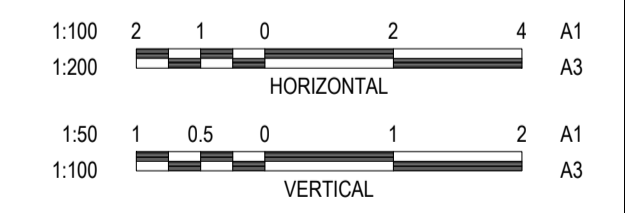


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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED	
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.		 Suite 1, 2 Bloomsbury Street Geelong, VIC, Australia 3220	SEALING THE HILLS COCKATOO BAKER-GLEN PACKAGE	CARDINA PACKAGE 10 - CROSS SECTIONS - SHEET 8	TENDER NOT FOR CONSTRUCTION	AS SHOWN	S.DEVGAN	M.RAHMAN
											PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
											M.TROUNCE	T.PALIOS	SEP 2021
											PROJECT NO.	DRAWING NO.	REVISION
											210152	R707	A



GLEN ROAD CROSS SECTION



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
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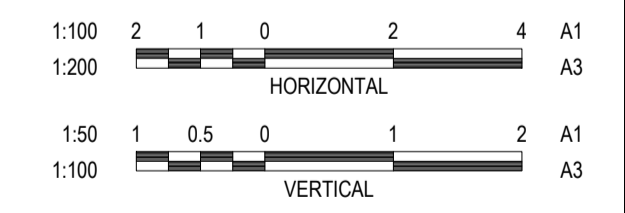
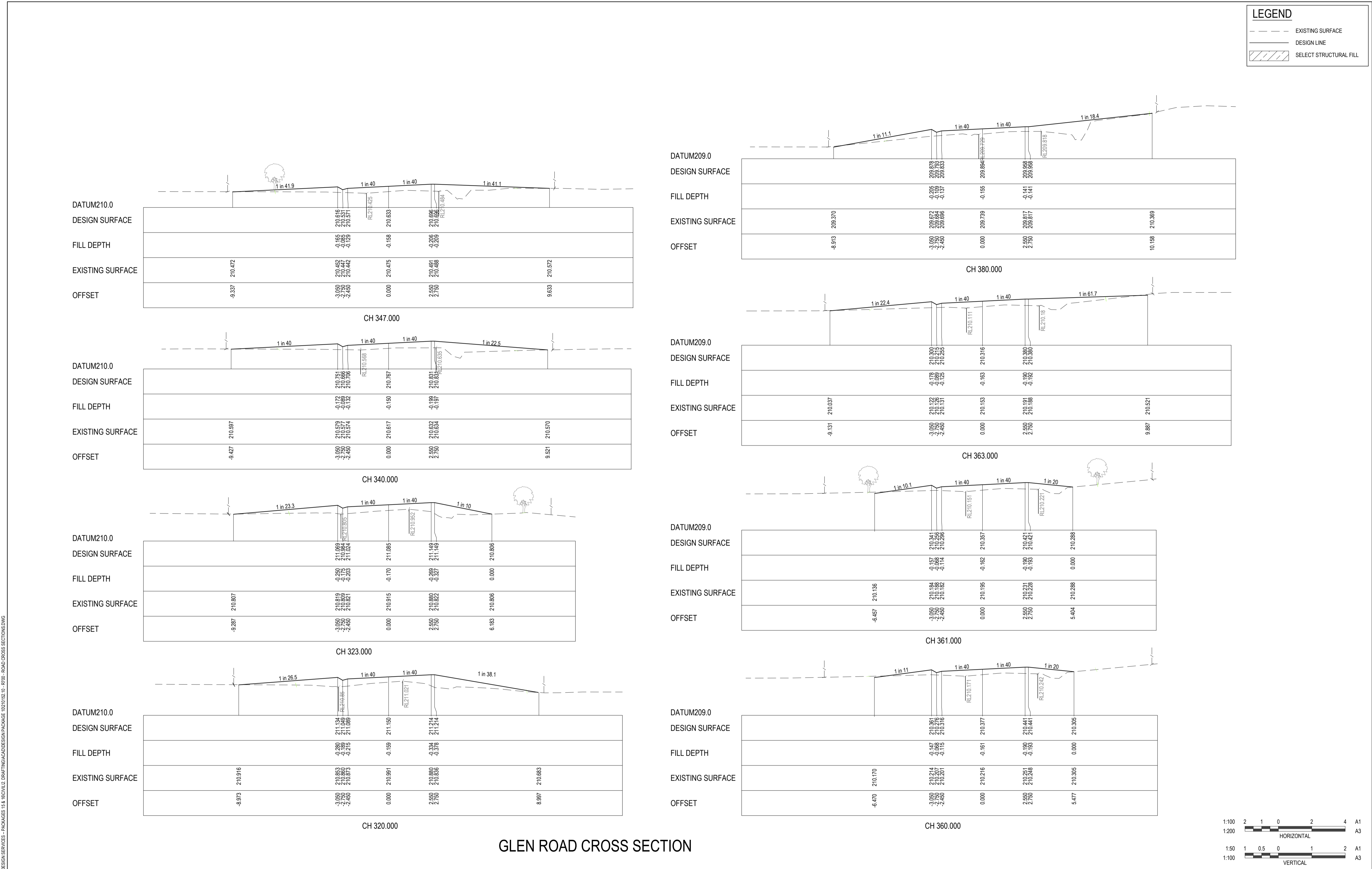


PROJECT  
**SEALING THE HILLS  
 COCKATOO  
 BAKER-GLEN PACKAGE**

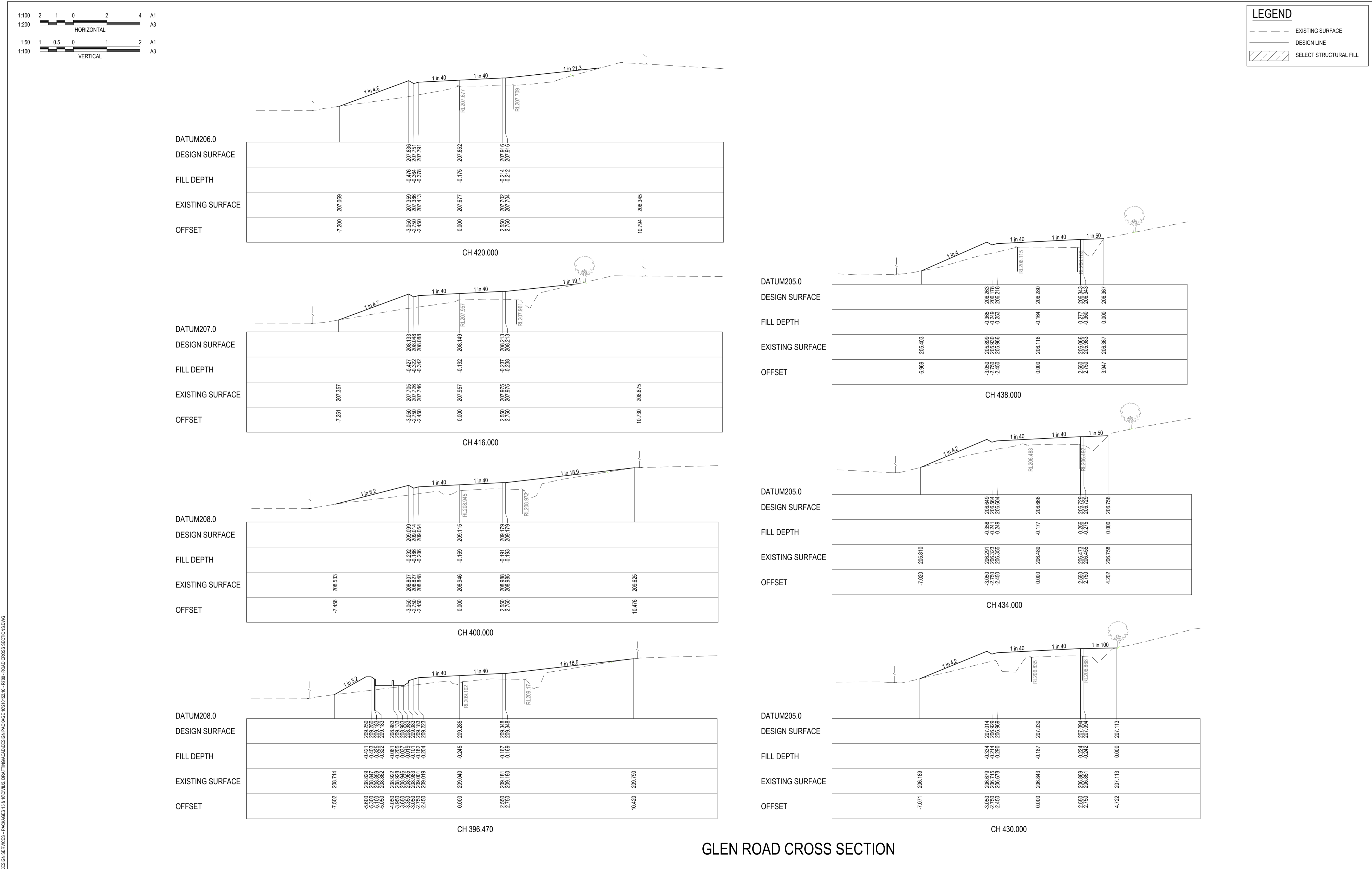
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 CROSS SECTIONS - SHEET 9**

STATUS  
**TENDER  
 NOT FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	S.DEVGAN	M.RAHMAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	SEP 2021
PROJECT NO.	DRAWING NO.	REVISION
<b>210152</b>	<b>R708</b>	<b>A</b>

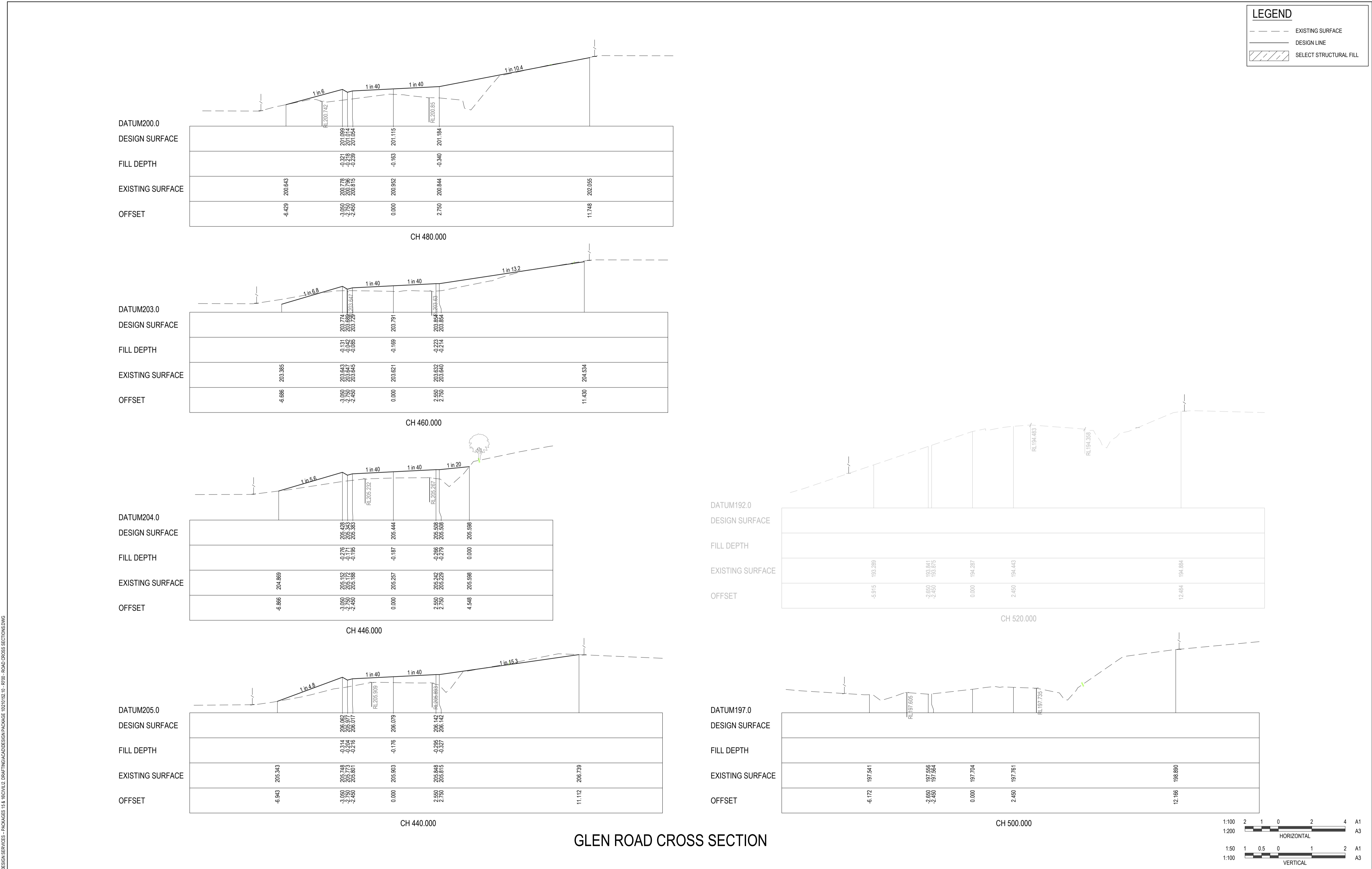


<table border="1"> <thead> <tr> <th>REVISION</th> <th>DATE</th> <th>ISSUE DESCRIPTION</th> <th>DRAWN</th> <th>DESIGNED</th> <th>APPROVED</th> <th>CLIENT</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>14/10/2022</td> <td>ISSUED FOR TENDER</td> <td>S.D.</td> <td>M.R.</td> <td>M.T.</td> <td></td> </tr> </tbody> </table>	REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.			<p>Suite 1, 2 Bloomsbury Street Geelong, VIC, Australia 3220</p>	PROJECT <b>SEALING THE HILLS COCKATOO BAKER-GLEN PACKAGE</b>	DRAWING TITLE <b>CARDINIA PACKAGE 10 - CROSS SECTIONS - SHEET 10</b>	STATUS <b>TENDER NOT FOR CONSTRUCTION</b>	SCALE AT A1 AS SHOWN PROJECT ENGINEER M.TROUNCE PROJECT NO. <b>210152</b>	DRAWN S.DEVGAN PROJECT MANAGER T.PALIOS DRAWING NO. <b>R709</b>	DESIGNED M.RAHMAN DATE FIRST ISSUE SEP 2021 REVISION <b>A</b>
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT																
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.																	

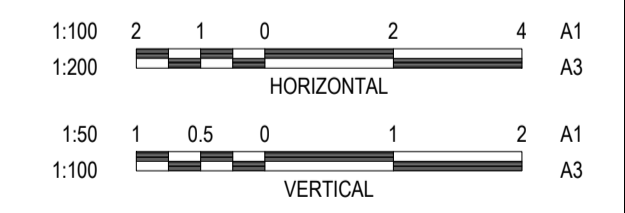


GLEN ROAD CROSS SECTION

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED	
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.		 Suite 1, 2 Bloomsbury Street Geelong, VIC, Australia 3220	SEALING THE HILLS COCKATOO BAKER-GLEN PACKAGE	CARDINIA PACKAGE 10 - CROSS SECTIONS - SHEET 11	TENDER NOT FOR CONSTRUCTION	AS SHOWN	S.DEVGAN	M.RAHMAN
										PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE	
										M.TROUNCE	T.PALIOS	SEP 2021	
										PROJECT NO.	DRAWING NO.	REVISION	
										210152	R710	A	



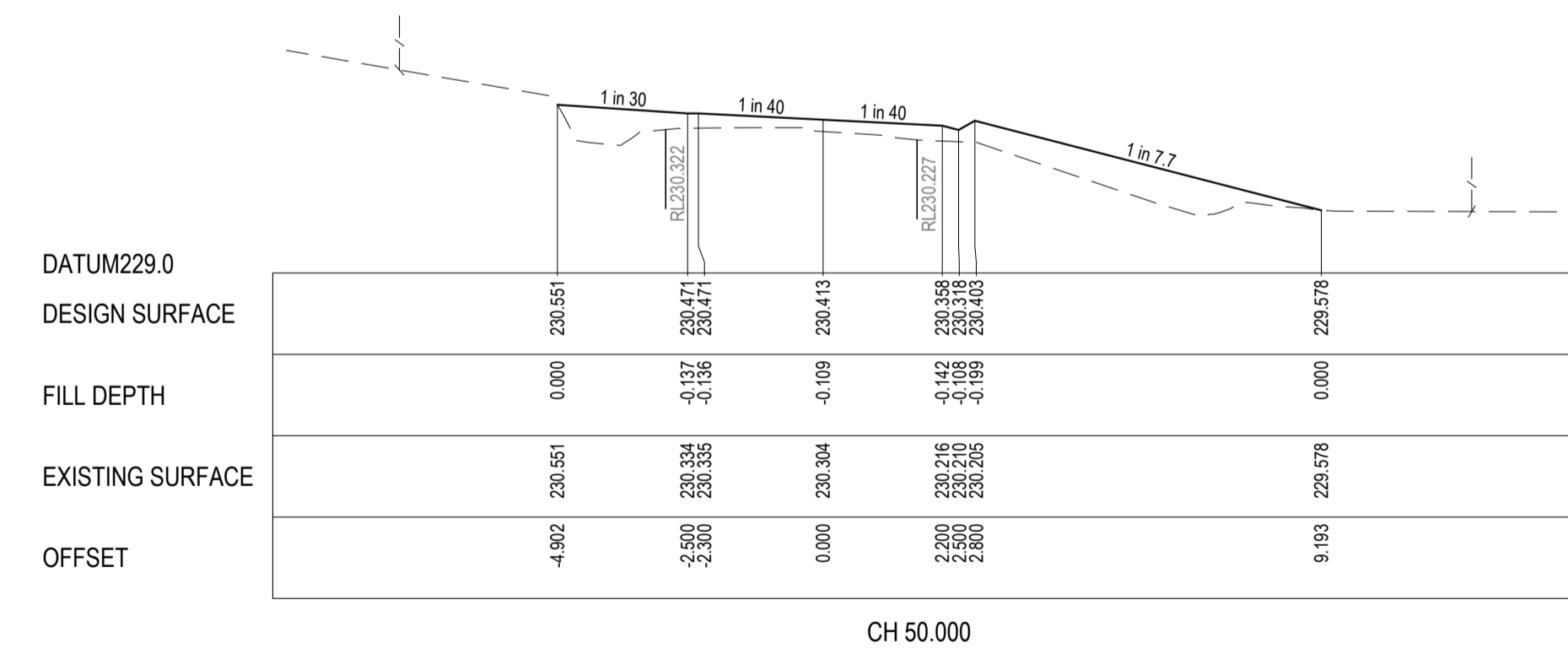
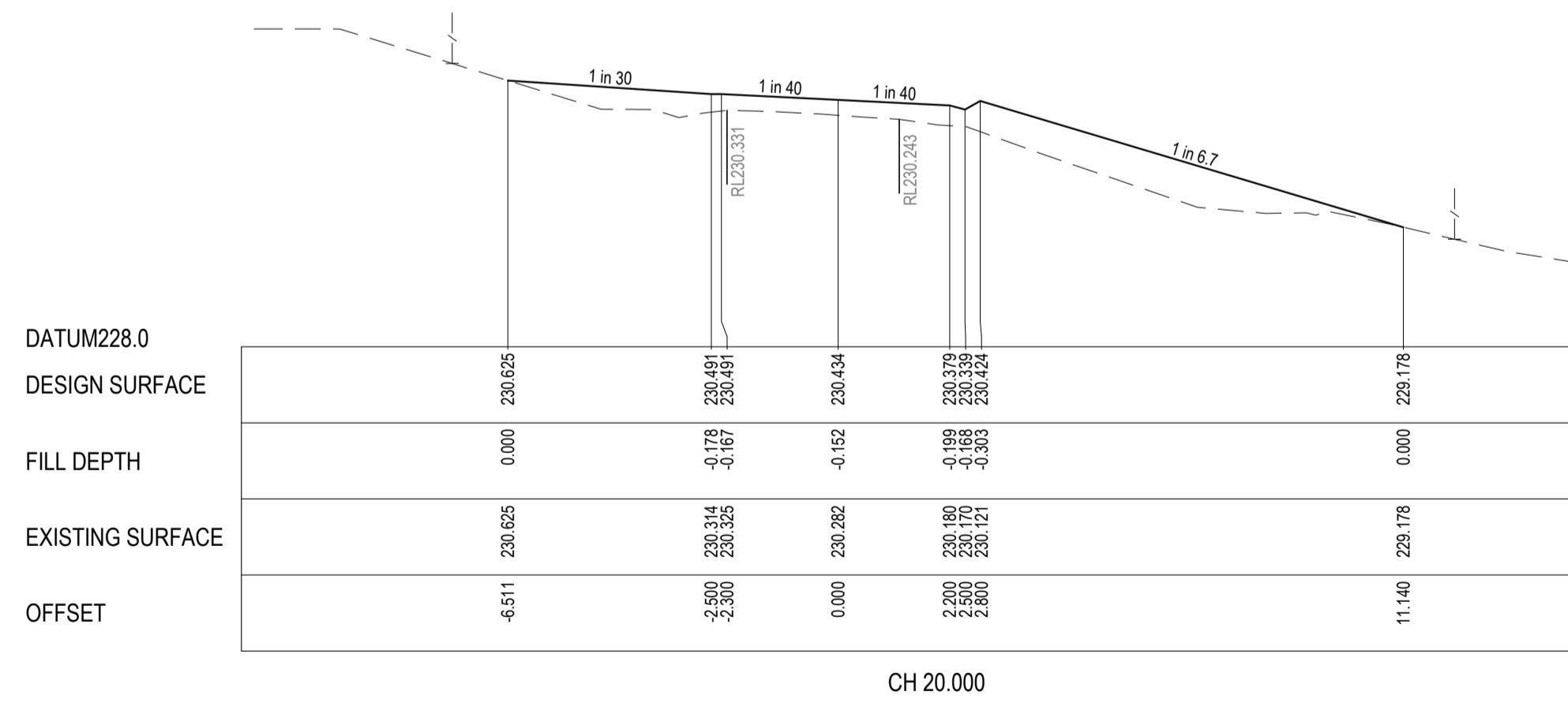
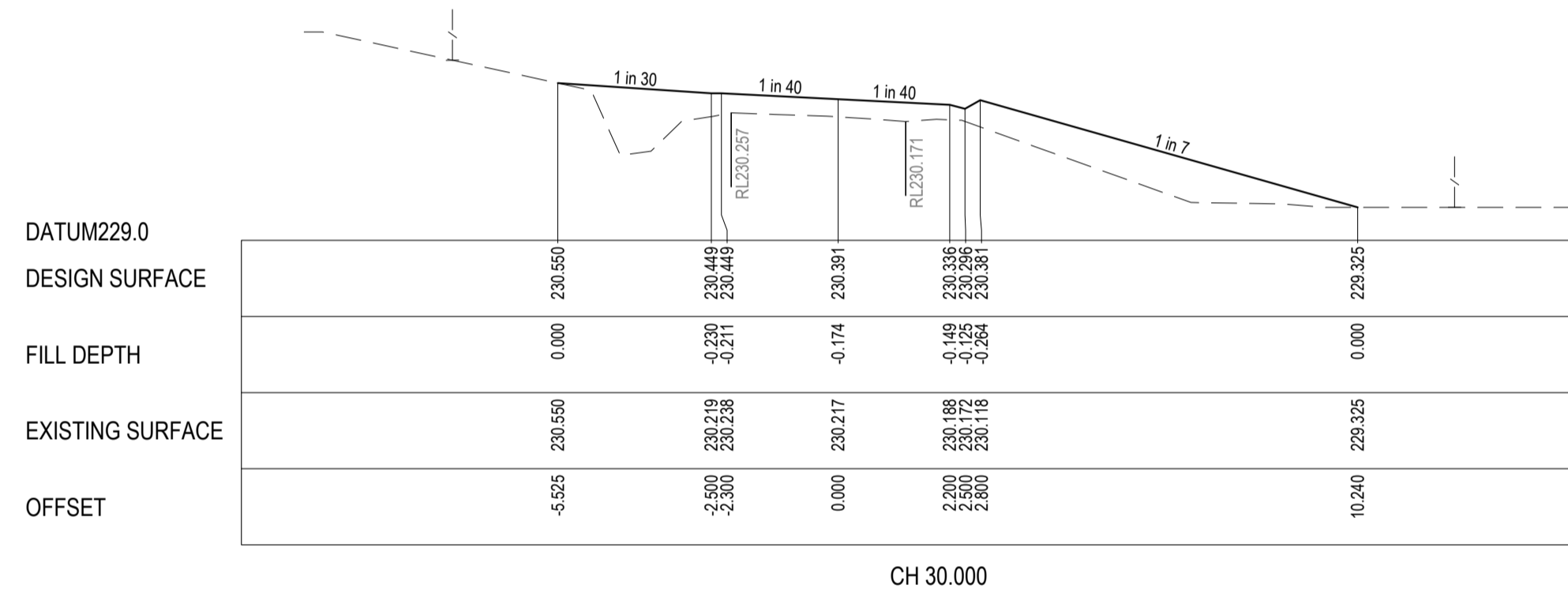
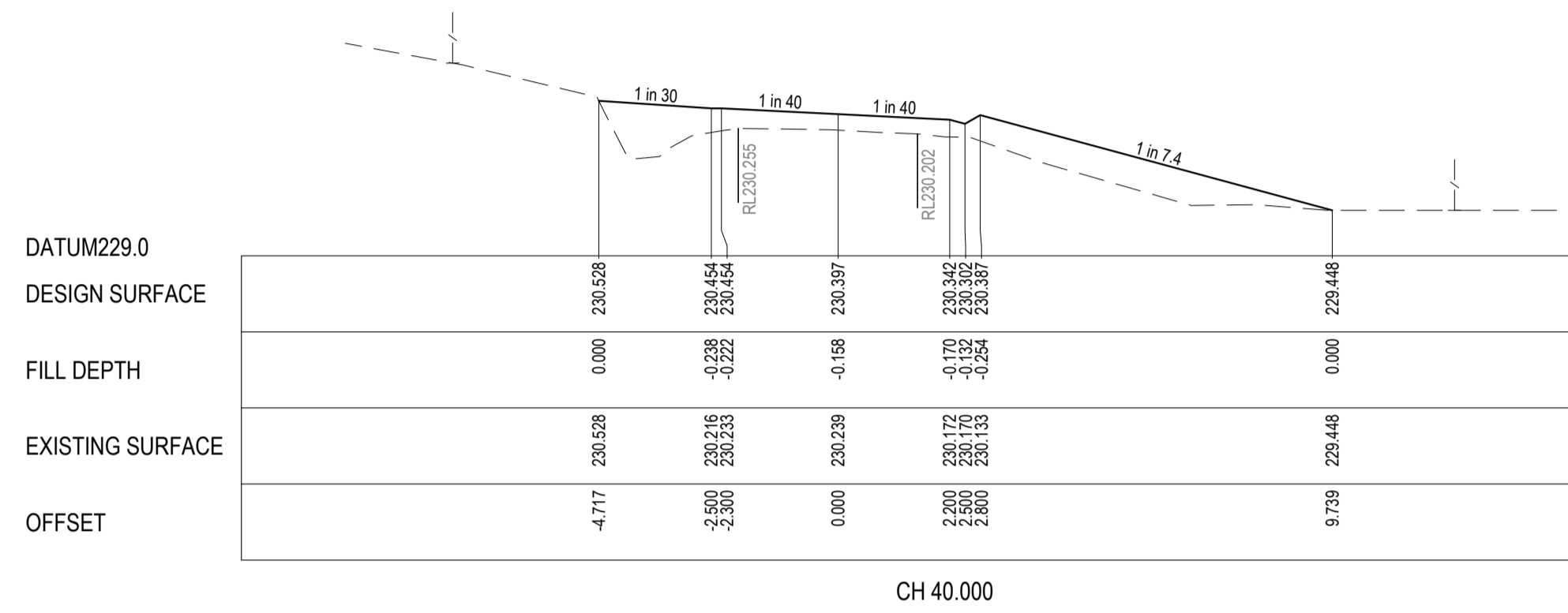
GLEN ROAD CROSS SECTION



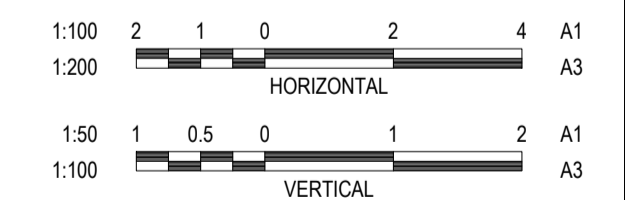
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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED															
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.															

P:\2021\010152\_CARDINIA SHIRE COUNCIL - DESIGN SERVICES - PACKAGES 14 & 15\010152\_CARDINIA SHIRE COUNCIL - DESIGN SERVICES - PACKAGES 14 & 15\010152\_CARDINIA SHIRE COUNCIL - DESIGN SERVICES - ROAD CROSS SECTIONS.DWG

LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	SELECT STRUCTURAL FILL



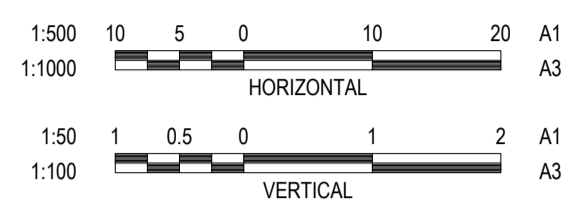
STATION ROAD WEST CROSS SECTION



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED	
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.		 Suite 1, 2 Bloomsbury Street Geelong, VIC, Australia 3220	SEALING THE HILLS COCKATOO BAKER-GLEN PACKAGE	CARDINIA PACKAGE 10 - CROSS SECTIONS - SHEET 13	<b>TENDER                      NOT FOR CONSTRUCTION</b>	AS SHOWN	S.DEVGAN	M.RAHMAN
										PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE	
										M.TROUNCE	T.PALIOS	SEP 2021	
										PROJECT No.	DRAWING No.	REVISION	
										210152	R712	A	

- NOTES**
- PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm NOM. SIZE CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 98% MODIFIED RELATIVE COMPACTION IN 150mm THICK LAYER FOR THE FOLLOWING:
    - BENEATH DRIVEWAY CROSSOVERS TO THE UNDERSIDE OF THE PAVEMENT OR CROSSOVER.
    - ADJACENT TO KERBING OR CONCRETE WORKS TO A LEVEL THAT IS NOT AFFECTED BY A 45 DEGREE ANGLE OF REPOSE FROM NEAR THE LOWER EDGE.
  - ALL PIPES UNDER ROADS SHALL BE BACKFILLED WITH 2% STABILISED SAND TO SPRINGLINE. ABOVE THIS POINT, PROVIDE 20mm NOMINAL SIZE CLASS 3 FINE CRUSHED ROCK (WETMIX) COMPACTED TO 98% MODIFIED COMPACTION IN 150mm MAXIMUM LAYER.
  - ALL DRAINAGE PIPES TO BE SPIGOT-SOCKET RUBBER RING JOINTED (RRJ).
  - ALL DRAINAGE PIPES SHALL BE CLASS 2 RCP, UNLESS OTHERWISE NOTED.
  - WHERE PITS DROP LESS THAN 50mm, THE PIT FLOOR MUST BE SHAPED TO MATCH THE LOWER HALF OF THE PIPE.
  - ALL SPLAYED SECTIONS OF PIPE ARE TO BE BACKFILLED WITH 2% STABILIZED SAND, 300mm ABOVE TOP OF PIPE.

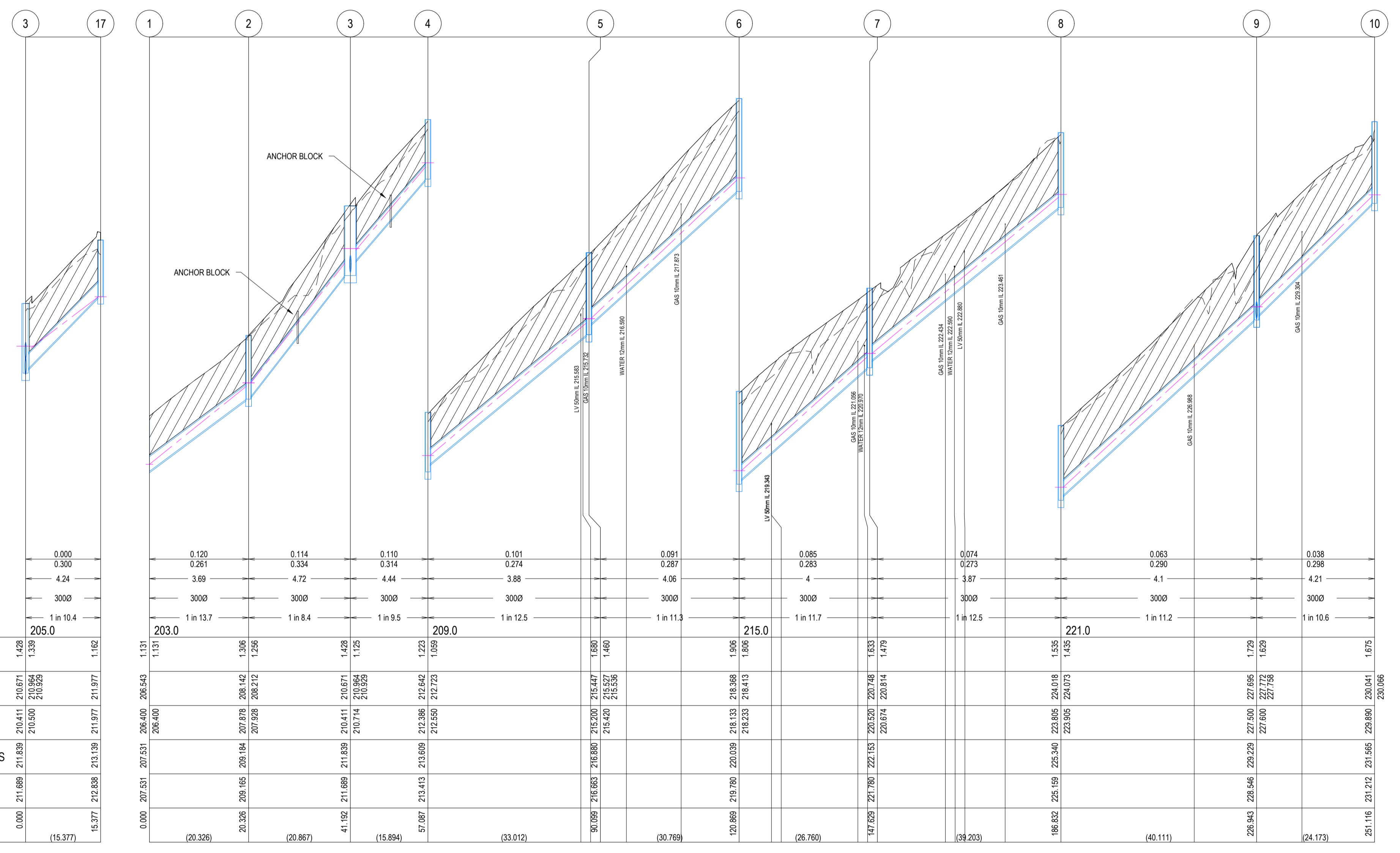
**REINFORCED CONCRETE PIPES**  
 ALL STORMWATER DRAINAGE PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN COMPUTED AND APPROVED BY THE CONTRACTORS ENGINEER. COMPUTATIONS ARE TO ACCORD WITH AS 3725-1989. LOADS ON BURIED PIPES. CONCRETE PIPES DAMAGED DUE TO CONSTRUCTION LOADS SHALL BE REPAIRED AT THE CONTRACTORS COST.



**LEGEND**

- EXISTING SURFACE
- DESIGN SURFACE
- DRAINAGE PIPE/PIT
- EXISTING DRAINAGE PIPE/PIT
- HYDRAULIC GRADE LINE
- CRUSHED ROCK BACKFILL

**WARNING**  
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DESIGN FLOW (m <sup>3</sup> /s)	CAPACITY (m <sup>3</sup> /s)	AT GRADE VELOCITY (m/s)	PIPE SIZE (mm)	GRADE	DATUM	DEPTH TO INVERT	HYDRAULIC GRADE LINE	INVERT LEVEL	FINISHED SURFACE LEVELS	EXISTING SURFACE LEVEL	CHAINAGE (Reach Length)
0.000	0.300	4.24	3000	1 in 10.4	205.0	1.628	210.671	210.671	211.689	211.689	0.000
0.120	0.261	3.69	3000	1 in 13.7	203.0	1.131	206.400	206.400	207.531	207.531	0.000
0.114	0.334	4.72	3000	1 in 8.4	205.0	1.296	207.878	207.878	209.164	209.164	20.326
0.110	0.314	4.44	3000	1 in 9.5	209.0	1.628	210.671	210.671	211.689	211.689	41.192
0.101	0.274	3.88	3000	1 in 12.5	209.0	1.169	210.114	210.114	211.689	211.689	15.377
0.091	0.287	4.06	3000	1 in 11.3	215.0	1.680	216.680	216.680	218.000	218.000	57.087
0.085	0.283	4	3000	1 in 11.7	215.0	1.806	216.800	216.800	218.133	218.133	120.869
0.074	0.273	3.87	3000	1 in 12.5	221.0	1.435	220.163	220.163	221.531	221.531	147.230
0.063	0.290	4.1	3000	1 in 11.2	221.0	1.535	223.805	223.805	225.340	225.340	186.632
0.038	0.298	4.21	3000	1 in 10.6	221.0	1.629	223.905	223.905	224.073	224.073	226.943
											251.116

P:\2021\0102 - CARDINIA SHIRE COUNCIL - DESIGN SERVICES - PACKAGES 14 & 15\102 - DRAINAGE LONG SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.

**Cardinia**

**creo CONSULTANTS**  
 Suite 1, 2 Bloomsbury Street  
 Geelong, VIC, Australia 3220

**SEALING THE HILLS COCKATOO BAKER-GLEN PACKAGE**

**CARDINIA PACKAGE 10 - DRAINAGE LONG SECTIONS - SHEET 1**

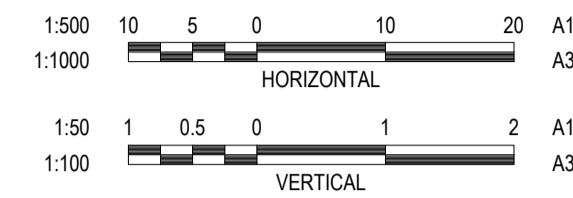
**TENDER NOT FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	S.DEVGAN	M.RAHMAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	SEP 2021
PROJECT NO.	DRAWING NO.	REVISION
<b>210152</b>	<b>R800</b>	<b>A</b>



- NOTES**
- PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm NOM. SIZE CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 98% MODIFIED RELATIVE COMPACTION IN 150mm THICK LAYER FOR THE FOLLOWING:
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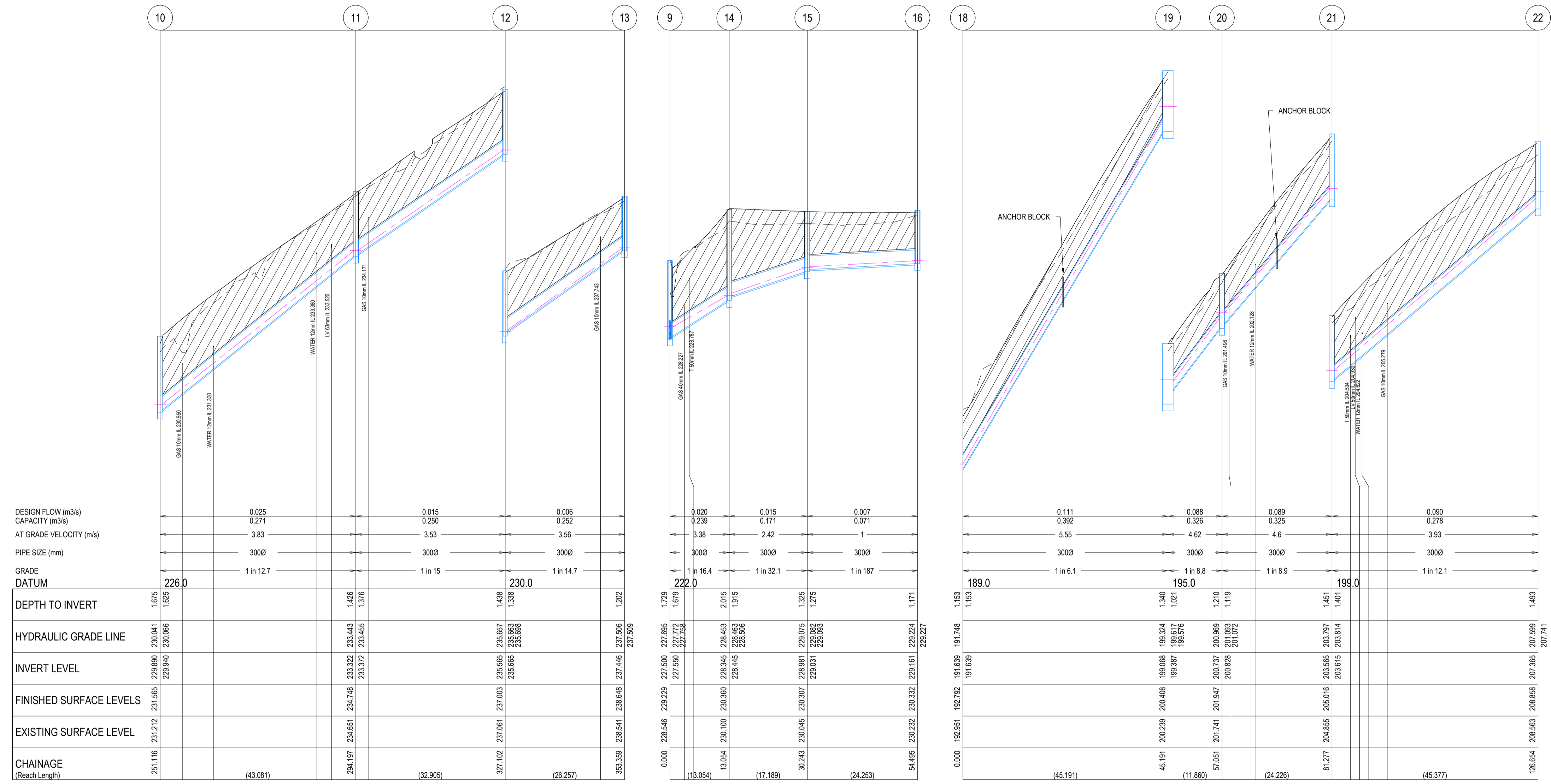
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**LEGEND**

- EXISTING SURFACE
- DESIGN SURFACE
- DRAINAGE PIPE/PIT
- EXISTING DRAINAGE PIPE/PIT
- HYDRAULIC GRADE LINE
- CRUSHED ROCK BACKFILL

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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.

CLIENT

PROJECT

Suite 1, 2 Bloomsbury Street  
Geelong, VIC, Australia 3220

PROJECT

**SEALING THE HILLS  
 COCKATOO  
 BAKER-GLEN PACKAGE**

DRAWING TITLE

**CARDINIA PACKAGE 10 -  
 DRAINAGE LONG SECTIONS - SHEET 2**

STATUS

**TENDER  
 NOT FOR CONSTRUCTION**

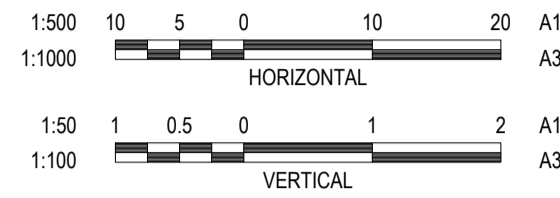
SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	S.DEVGAN	M.RAHMAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	SEP 2021
PROJECT NO.	DRAWING NO.	REVISION
<b>210152</b>	<b>R801</b>	<b>A</b>

**NOTES**

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**REINFORCED CONCRETE PIPES**

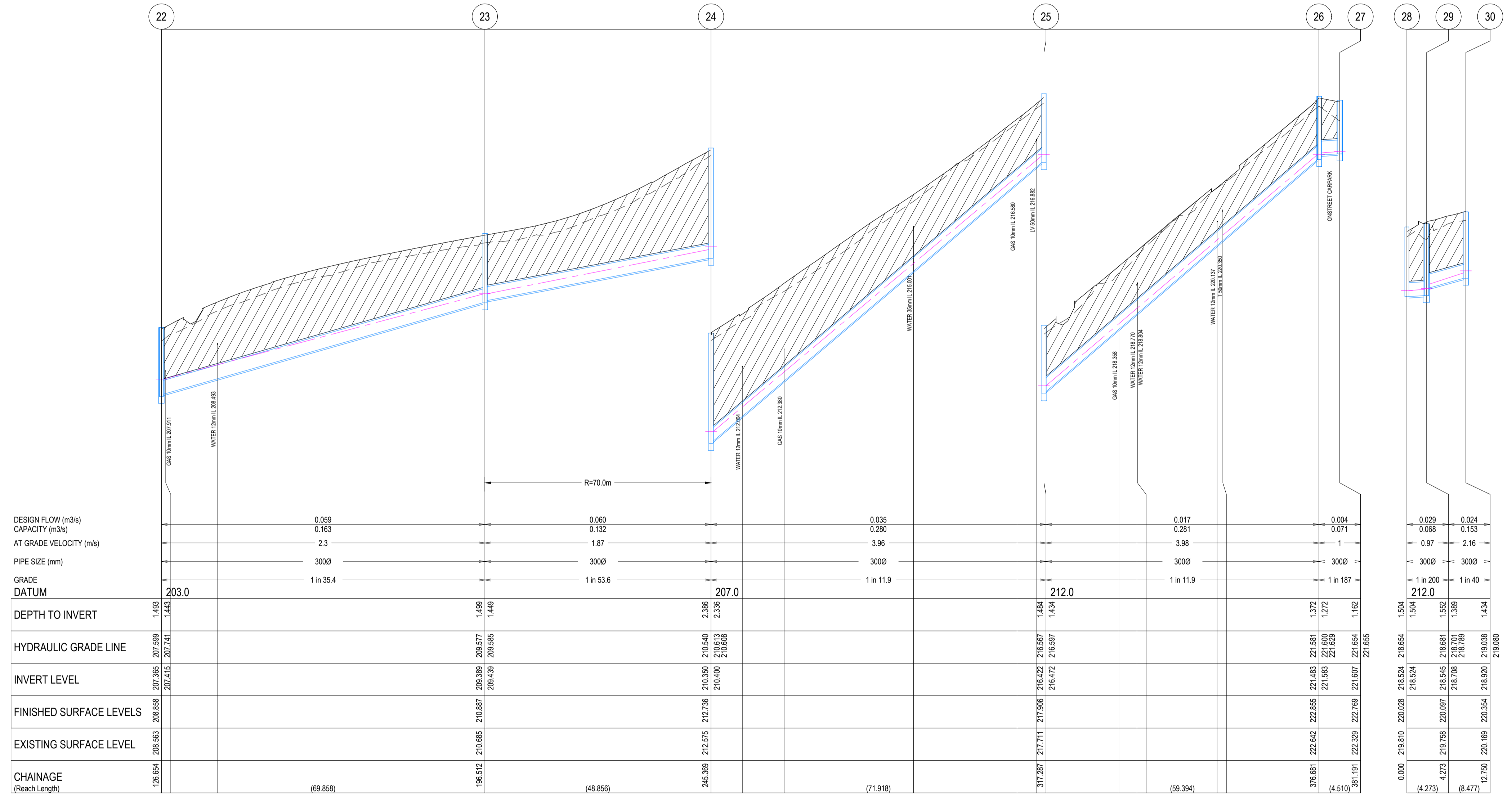
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**LEGEND**

	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	HYDRAULIC GRADE LINE
	CRUSHED ROCK BACKFILL

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P:\2021\01012 - CARDINIA SHIRE COUNCIL - DESIGN SERVICES - PACKAGES 14 & 15\01012 DRAMATTING\DESIGN PACKAGE 10\1012.D - ROAD DRAINAGE LONG SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.



**PROJECT**  
 SEALING THE HILLS  
 COCKATOO  
 BAKER-GLEN PACKAGE

**DRAWING TITLE**  
 CARDINIA PACKAGE 10 -  
 DRAINAGE LONG SECTIONS - SHEET 3

**STATUS**  
**TENDER**  
 NOT FOR CONSTRUCTION

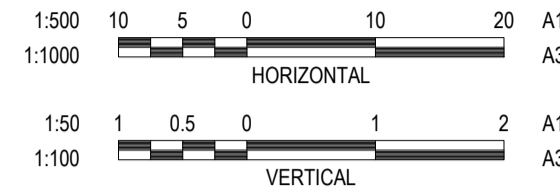
SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	S.DEVGAN	M.RAHMAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	SEP 2021
PROJECT NO.	DRAWING NO.	REVISION
<b>210152</b>	<b>R802</b>	<b>A</b>

**NOTES**

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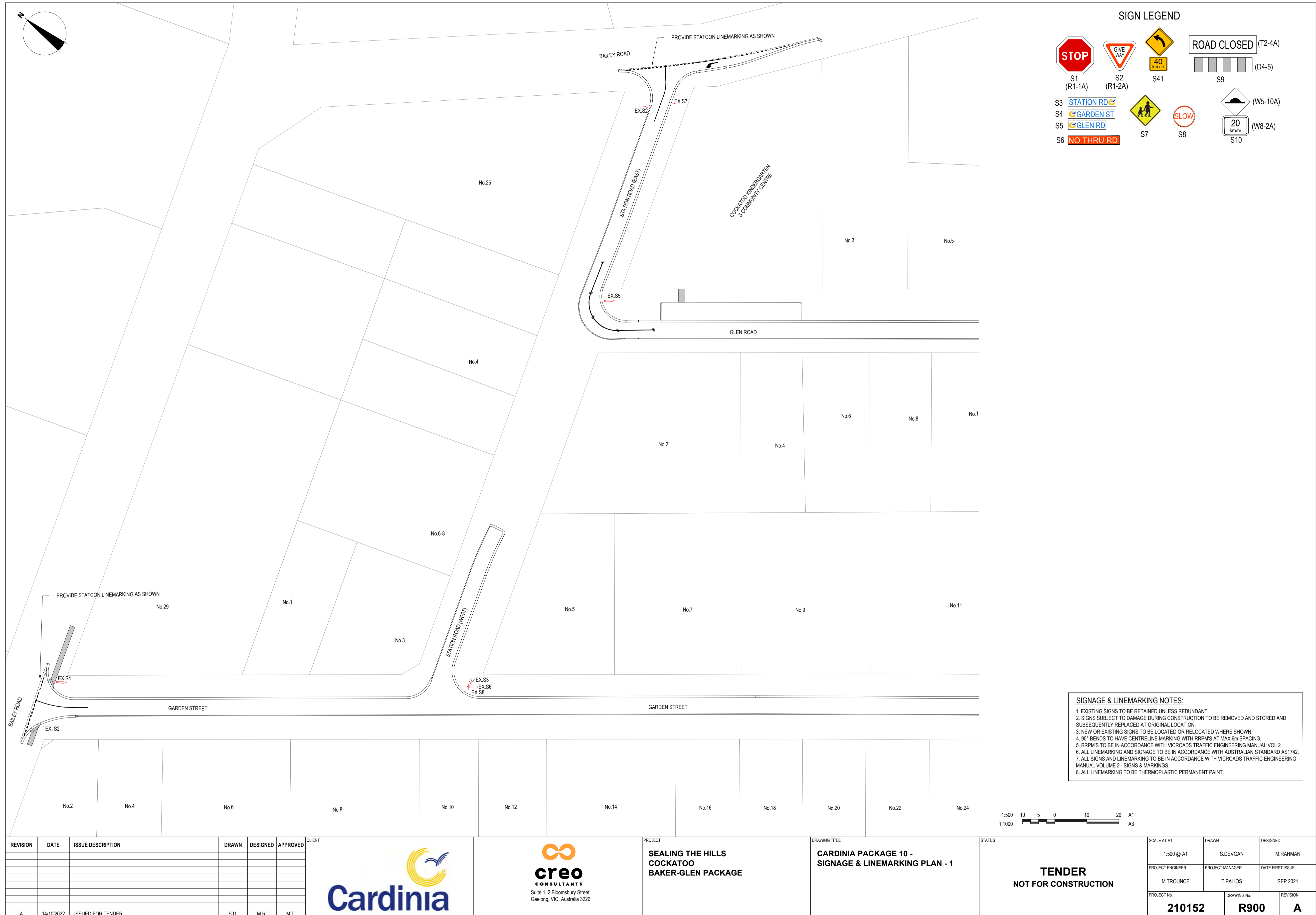
LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	HYDRAULIC GRADE LINE
	CRUSHED ROCK BACKFILL

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PIT NAME	TYPE	PIT SCHEDULE										REMARKS	
		INTERNAL		INLET		OUTLET		F.S.L. (m)	DEPTH(m)	STANDARD DRAWING			
		EASTING	NORTHING	WIDTH(mm)	LENGTH(mm)	DIAMETER(mm)	INVERT R.L.(m)				DIAMETER		INVERT R.L.(m)
1	WINGWALL	366733.389	5800092.560			300.000	206.400			207.531	1.131	VICROADS 1921	PROVIDE WINGWALL TO SUIT 300 DIA RCP
2	GRATED PIT	366725.489	5800111.286	600	900	300.000	207.928	300.000	207.878	209.184	1.306	EDCM 605	PROVIDE H.D. GRATED COVER
3	DOUBLE GRATED CHANNEL PIT	366717.332	5800130.494	600	900	300.000	210.714	300.000	210.411	211.839	1.428	EDCM 604	
4	SINGLE GRATED CHANNEL PIT	366707.921	5800143.303	600	900	300.000	212.550	300.000	212.386	213.609	1.223	EDCM 603	
5	SINGLE GRATED CHANNEL PIT	366688.369	5800169.904	600	900	300.000	215.420	300.000	215.200	216.880	1.680	EDCM 603	
6	SINGLE GRATED CHANNEL PIT	366670.155	5800194.704	600	900	300.000	218.233	300.000	218.133	220.039	1.906	EDCM 603	
7	SINGLE GRATED CHANNEL PIT	366654.275	5800216.241	600	900	300.000	220.674	300.000	220.520	222.153	1.633	EDCM 603	
8	SINGLE GRATED CHANNEL PIT	366630.840	5800247.668	600	900	300.000	223.905	300.000	223.805	225.340	1.535	EDCM 603	
9	SINGLE GRATED CHANNEL PIT	366606.861	5800279.822	600	900	300.000	227.600	300.000	227.500	229.229	1.729	EDCM 603	
10	SINGLE GRATED CHANNEL PIT	366592.411	5800299.200	600	900	300.000	229.940	300.000	229.890	231.565	1.675	EDCM 603	
11	SINGLE GRATED CHANNEL PIT	366566.657	5800333.736	600	900	300.000	233.372	300.000	233.322	234.748	1.426	EDCM 603	
12	SINGLE GRATED CHANNEL PIT	366546.986	5800360.114	600	900	300.000	235.665	300.000	235.565	237.003	1.438	EDCM 603	
13	SINGLE GRATED CHANNEL PIT	366531.290	5800381.163	600	900			300.000	237.446	238.648	1.202	EDCM 603	
14	SINGLE GRATED CHANNEL PIT	366610.950	5800292.219	600	900	300.000	228.445	300.000	228.345	230.360	2.015	EDCM 603	
15	SINGLE GRATED CHANNEL PIT	366627.409	5800297.192	600	900	300.000	229.031	300.000	228.981	230.307	1.325	EDCM 603	
16	SINGLE GRATED CHANNEL PIT	366650.977	5800303.371	600	900			300.000	229.161	230.332	1.171	EDCM 603	
17	SINGLE GRATED CHANNEL PIT	366702.801	5800135.523	600	900			300	211.977	213.139	1.162	EDCM 603	
18	WINGWALL	367054.843	5800056.296			300.000	191.639			192.792	1.153	VICROADS 1921	PROVIDE WINGWALL TO SUIT 300 DIA RCP
19	DOUBLE GRATED CHANNEL PIT	367014.610	5800076.876	600	900	300.000	199.387	300.000	199.068	200.408	1.340	EDCM 604	
20	SINGLE GRATED CHANNEL PIT	367005.128	5800084.000	600	900	300.000	200.828	300.000	200.737	201.947	1.210	EDCM 603	
21	SINGLE GRATED CHANNEL PIT	366982.512	5800092.685	600	900	300.000	203.615	300.000	203.565	205.016	1.451	EDCM 603	
22	SINGLE GRATED CHANNEL PIT	366940.155	5800108.957	600	900	300.000	207.415	300.000	207.365	208.858	1.493	EDCM 603	
23	SINGLE GRATED CHANNEL PIT	366874.937	5800134.009	600	900	300.000	209.439	300.000	209.389	210.887	1.499	EDCM 603	
24	SINGLE GRATED CHANNEL PIT	366837.987	5800164.432	600	900	300.000	210.400	300.000	210.350	212.736	2.386	EDCM 603	
25	SINGLE GRATED CHANNEL PIT	366795.263	5800222.285	600	900	300.000	216.472	300.000	216.422	217.906	1.484	EDCM 603	
26	SINGLE GRATED CHANNEL PIT	366759.973	5800270.066	600	900	300.000	221.583	300.000	221.483	222.855	1.372	EDCM 603	
27	SINGLE GRATED CHANNEL PIT	366763.417	5800272.982	600	900			300.000	221.607	222.769	1.162	EDCM 603	
28	EXISTING RCP					300.000	218.524			220.028	1.504		CONNECT INTO EXISTING 300 DIA RCP
29	GRATED PIT	366792.748	5800343.357	600	900	300.000	218.708	300.000	218.545	220.097	1.552	EDCM 605	PROVIDE H.D. GRATED COVER
30	GRATED PIT	366784.838	5800346.401	600	900			300.000	218.920	220.354	1.434	EDCM 605	PROVIDE H.D. GRATED COVER

P:\2021\010152 - CARDINIA SHIRE COUNCIL - DESIGN SERVICES - PACKAGES 14 & 15\010152 DRAMTTING\CAD\DESIGN PACKAGE 10\2010152.D - R800 - DRAINAGE LONG SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED	
							 Suite 1, 2 Bloomsbury Street Geelong, VIC, Australia 3220	SEALING THE HILLS COCKATOO BAKER-GLEN PACKAGE	CARDINIA PACKAGE 10 - PIT SCHEDULE	TENDER NOT FOR CONSTRUCTION	AS SHOWN	S.DEVGAN	M.RAHMAN
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.								
										PROJECT No.	DRAWING No.	REVISION	
										210152	R803	A	



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.

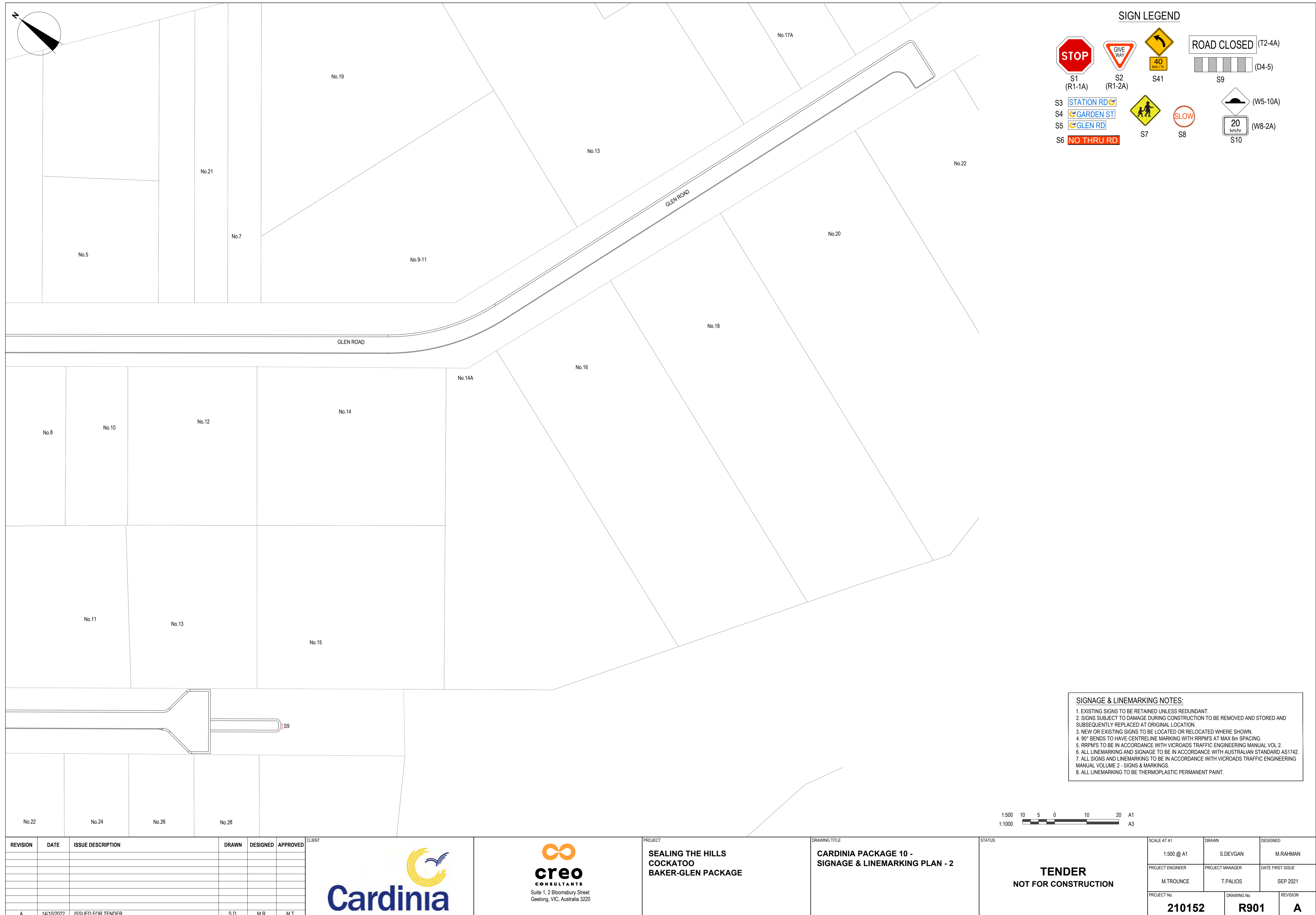


PROJECT  
**SEALING THE HILLS  
COCKATOO  
BAKER-GLEN PACKAGE**

DRAWING TITLE  
**CARDINIA PACKAGE 10 -  
SIGNAGE & LINEMARKING PLAN - 1**

STATUS  
**TENDER  
NOT FOR CONSTRUCTION**

SCALE AT A1 1:500 @ A1	DRAWN S.DEVGAN	DESIGNED M.RAHMAN
PROJECT ENGINEER M.TROUNCE	PROJECT MANAGER T.PALIOS	DATE FIRST ISSUE SEP 2021
PROJECT NO. <b>210152</b>	DRAWING NO. <b>R900</b>	REVISION <b>A</b>



**SIGNAGE & LINEMARKING NOTES:**

- EXISTING SIGNS TO BE RETAINED UNLESS REDUNDANT.
- SIGNS SUBJECT TO DAMAGE DURING CONSTRUCTION TO BE REMOVED AND STORED AND SUBSEQUENTLY REPLACED AT ORIGINAL LOCATION.
- NEW OR EXISTING SIGNS TO BE LOCATED OR RELOCATED WHERE SHOWN.
- 90° BENDS TO HAVE CENTRELINE MARKING WITH RRPMS AT MAX 6m SPACING.
- RRPMS TO BE IN ACCORDANCE WITH VICROADS TRAFFIC ENGINEERING MANUAL VOL 2.
- ALL LINEMARKING AND SIGNAGE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742.
- ALL SIGNS AND LINEMARKING TO BE IN ACCORDANCE WITH VICROADS TRAFFIC ENGINEERING MANUAL VOLUME 2 - SIGNS & MARKINGS.
- ALL LINEMARKING TO BE THERMOPLASTIC PERMANENT PAINT.



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT
A	14/10/2022	ISSUED FOR TENDER	S.D.	M.R.	M.T.	



PROJECT  
SEALING THE HILLS  
COCKATOO  
BAKER-GLEN PACKAGE

DRAWING TITLE  
CARDINIA PACKAGE 10 -  
SIGNAGE & LINEMARKING PLAN - 2

STATUS  
**TENDER  
NOT FOR CONSTRUCTION**

SCALE AT A1 1:500 @ A1	DRAWN S.DEVGAN	DESIGNED M.RAHMAN
PROJECT ENGINEER M.TROUNCE	PROJECT MANAGER T.PALIOS	DATE FIRST ISSUE SEP 2021
PROJECT No. <b>210152</b>	DRAWING No. <b>R901</b>	REVISION <b>A</b>