

Our Reference: 8987320

3 March 2023



Tom Barbour  
Colliers Engineering & Design  
1-5 Nantilla Road  
Notting Hill VIC 3168

Dear Tom,

**PA2013/3925/4 – Robinsons Rise Estate Stage 4 - Engineering Plans - Approval**

The above-mentioned plans, received by Council on 03 March 2023, are approved. Please find attached the approved stamped road and drainage plans.

Council believes the list below represents the latest plan submission:

Drawing No.	Revision
128704RD01-06	0
128704RD07	F
128704RD08-17	0

The approval is subject to compliance of all statutory and legal obligations and granted with the understanding that the engineering consultant, developer and landowner take full responsibility for the design contained in the approved engineering plans.

**Please note the following:**

- The approval of these plans is valid for one year. Where construction does not commence within that time, the plans must be resubmitted to Council for assessment using applicable engineering standards at the time of resubmission. New plan checking fees will also be applicable.
- No construction works can commence outside the development's property boundaries unless or until consent is provided by the adjoining landowner.
- A 'Consent to Work Within a Road Reserve' must be applied for where works will be done on an existing road. The form is available on Melton Council's website link <https://www.melton.vic.gov.au/Services/Building-Planning-Transport/Engineering/Engineering-applications>
- A Traffic Management Plan must be submitted where works will occur on existing roads, and where the works are traffic impact works, it must be approved by Council's Traffic team before works commence. The form is available on Melton Council's website link <https://www.melton.vic.gov.au/Services/Building-Planning-Transport/Engineering/Engineering-applications>

- Construction works must not commence on site until all relevant planning permit conditions have been satisfied. Email queries to [planningsupport@melton.vic.gov.au](mailto:planningsupport@melton.vic.gov.au)  
T: 03 9747 7200.
- All Service Authority plans must be approved by the responsible authorities prior to the subbase of the road pavement being constructed. Included plans are:
  - Water main reticulation plans including the location and capacity (pressure and flow) of fire hydrants and hydrant mains;
  - Sewer main reticulation plans;
  - Recycled water reticulation plans (where applicable);
  - Public Lighting plans, utilising Public Lighting Guidelines and form on [www.melton.vic.gov.au/Infrastructure-Planning](http://www.melton.vic.gov.au/Infrastructure-Planning); and
  - Other relevant service plans, as applicable.

The above plans must be submitted in PDF format (one email per type of plan) to [serviceauthority@melton.vic.gov.au](mailto:serviceauthority@melton.vic.gov.au)

- If required as part of the planning permit conditions for the above-mentioned project, Construction Environmental Management plans (CEMP) **must** be submitted to Council *prior* to requesting a Civil Works pre-commencement meeting. Please note that plans should:
  - Include Planning Permit Application and Planning Permit Condition # - PAXXXX/XXXX
  - Adhere to requirements of endorsed planning permit conditions.
  - Be simply presented and easy to understand.
  - Include an overall site context plan which shows where the site is located  
*E.g. roads labelled*
  - Address all relevant environmental risks of the works.
  - Include haulage route.
  - **Include statements:**
    - A water truck will be available for dust suppression on site *at all times* and at the direction of the Council Construction Supervisor.
    - Working hours will be 7.00am or sunrise, whichever is the latter to 5.00pm week days.
  - Exclude any reference to use of straw bales, as not best practice.
  - Be In PDF format (to appropriate scale) from original document.  
**Note:** do not scan document into PDF, as can be illegible.

Please submit CEMP with relevant information to Email: [emp@melton.vic.gov.au](mailto:emp@melton.vic.gov.au)

- A Pre-commencement Meeting Application must be emailed to Council to request approval to start work via Email: [construction@melton.vic.gov.au](mailto:construction@melton.vic.gov.au)
- As Constructed (As Con) plans must be received by Council prior to requesting a Practical Completion (PC) Inspection. To proceed, submit a PC Application form to Email: [construction@melton.vic.gov.au](mailto:construction@melton.vic.gov.au)

- Where required by planning permit conditions, A-SPEC digital data should be submitted and *verified* as correct by Council's Asset Management/GIS team prior to the Statement of Compliance (SOC) being issued. Submit A-Spec data for validation to <https://www.asconstructed.com/>. Please contact [assetspecs@melton.vic.gov.au](mailto:assetspecs@melton.vic.gov.au) for clarification regarding ASPEC submissions.

All correspondence submitted to Council must include a covering letter detailing:

- ✓ Full business name, address, contact name, email and telephone number for responses;
- ✓ Planning Application Number (PAXXXX/XXXX);
- ✓ Estate name and Stage # or Project Name and address;
- ✓ Description of submission (E.g. Construction Environmental Management Plan) and any changes/ response to prior Council correspondence;

Submissions should follow processes outlined above and utilise forms on website [www.melton.vic.gov.au/Infrastructure-Planning](http://www.melton.vic.gov.au/Infrastructure-Planning) unless another web link is listed.

Should you have any queries, please contact me at Email: [mangalaj@melton.vic.gov.au](mailto:mangalaj@melton.vic.gov.au) or T: 03 9747 7325.

Regards,

A handwritten signature in blue ink, appearing to read 'Mangala Jayasinghe', with a horizontal line underneath it.

Mangala Jayasinghe

**MAJOR PROJECTS and DEVELOPMENT ENGINEER**

# Robinsons Rise Stage 4

## MIRAVOR PTY LTD

### 1. GENERAL NOTES:

- 1.1. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS2124-1992 GENERAL CONDITIONS OF CONTRACT, THE ROAD & DRAINAGE SPECIFICATION, APPROVED MUNICIPALITY SPECIFICATIONS AND STANDARD DRAWINGS AND TO THE SATISFACTION OF SUPERINTENDENT AND THE CITY ENGINEER OR THEIR REPRESENTATIVE.
- 1.2. COUNCIL TO BE NOTIFIED SEVEN (7) CLEAR WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORKS WITH A PRECOMMENCEMENT MEETING BEING HELD BETWEEN MELTON CITY COUNCIL, THE CONSULTANT AND THE CONTRACTOR, BEFORE WORKS COMMENCE. A SITE MANAGEMENT PLAN IS TO BE SUBMITTED PRIOR TO COMMENCEMENT OF WORKS.
- 1.3. PRIOR TO COMMENCEMENT OF THE WORKS, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING INFORMATION:
  - 1.3.1. SOURCE OF QUARRY MATERIAL
  - 1.3.2. N.A.T.A. APPROVED TESTS RESULTS FOR THE F.C.R. THAT IS TO BE USED
  - 1.3.3. IF THE SOURCE OF THE QUARRY MATERIAL IS CHANGED DURING THE COURSE OF THE WORKS, THEN NEW TEST RESULTS SHALL BE PROVIDED.
- 1.4. PRIOR TO COMMENCEMENT OF WORKS ON SITE, THE CONTRACTOR MUST ENSURE THAT ALL MATTERS RELATING TO THE WORK SAFE HEALTH AND SAFETY ACT, HAVE BEEN AND WILL BE COMPLIED WITH.
- 1.5. ON COMMENCEMENT OF CONSTRUCTION WORKS, THE CONTRACTOR MUST COMPLY WITH THE RECOMMENDATIONS OF THE ENVIRONMENT PROTECTION AUTHORITY PUBLICATION "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL." APPROPRIATE SILTATION CONTROL IS TO BE MAINTAINED THROUGHOUT THE CONSTRUCTION AND MAINTENANCE PERIOD OF THE WORKS.
- 1.6. THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL LOCAL SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THESE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
- 1.7. ANY BUILDINGS, TROUGHS, FENCES AND OTHER STRUCTURES ON SITE ARE TO BE REMOVED AS DIRECTED BY THE ENGINEER. THE COST OF REMOVAL IS TO BE INCLUDED IN THE OVERALL EARTHWORKS FIGURE UNLESS A SPECIFIC ITEM FOR REMOVAL IS DENOTED IN THE SCHEDULE. SITE CLEARING DIFFERENT TO EARTHWORKS.
- 1.8. ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH AS 1742-3.
- 1.9. ALL EXISTING ASSETS AFFECTED BY THE WORKS, EG SIGNS, VEHICLE CROSSINGS, FOOTPATHS, KERB AND LINEMARKING SHALL BE REINSTATED BY THE CONTRACTOR PRIOR TO THE COMPLETION OF THE WORKS TO THE SATISFACTION OF THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.
- 1.10. AT THE COMPLETION OF ALL WORKS, ALL RUBBISH, DEBRIS AND SURPLUS SPOIL SHALL BE REMOVED AND THE SITE SHALL BE CLEARED TO THE SATISFACTION OF THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.

### 2. SURVEY & SETOUT

- 2.1. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM AND ALL COORDINATES ARE TO MAP GRID OF AUSTRALIA (MGA 94) ZONE 55.
- 2.2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE
- 2.3. ALL CHAINAGES REFER TO ROAD CENTRELINES
- 2.4. TBM'S TO BE RE-ESTABLISHED BY THE LICENSED SURVEYOR IF FOUND TO BE MISSING AT THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR CARE AND MAINTENANCE OF T.B.M.'S THEREAFTER.
- 2.5. ALL EXISTING SURFACE LEVELS SHOWN ON THE ENGINEERING DRAWINGS HAVE BEEN INTERPOLATED FROM A DIGITAL TERRAIN MODEL. THESE LEVELS HAVE BEEN USED AS THE BASIS FOR ALL ENGINEERING DESIGN AND DETERMINATION OF QUANTITIES AND ARE ACCURATE TO WITHIN ±0.05m.
- 2.6. SETOUT DRAWING IN DWG FORMAT WILL BE PROVIDED FOR A ALL SETOUT OF DRAINAGE/KERBS/SEWERS/FOOTPATHS etc.

### 3. EARTHWORKS:

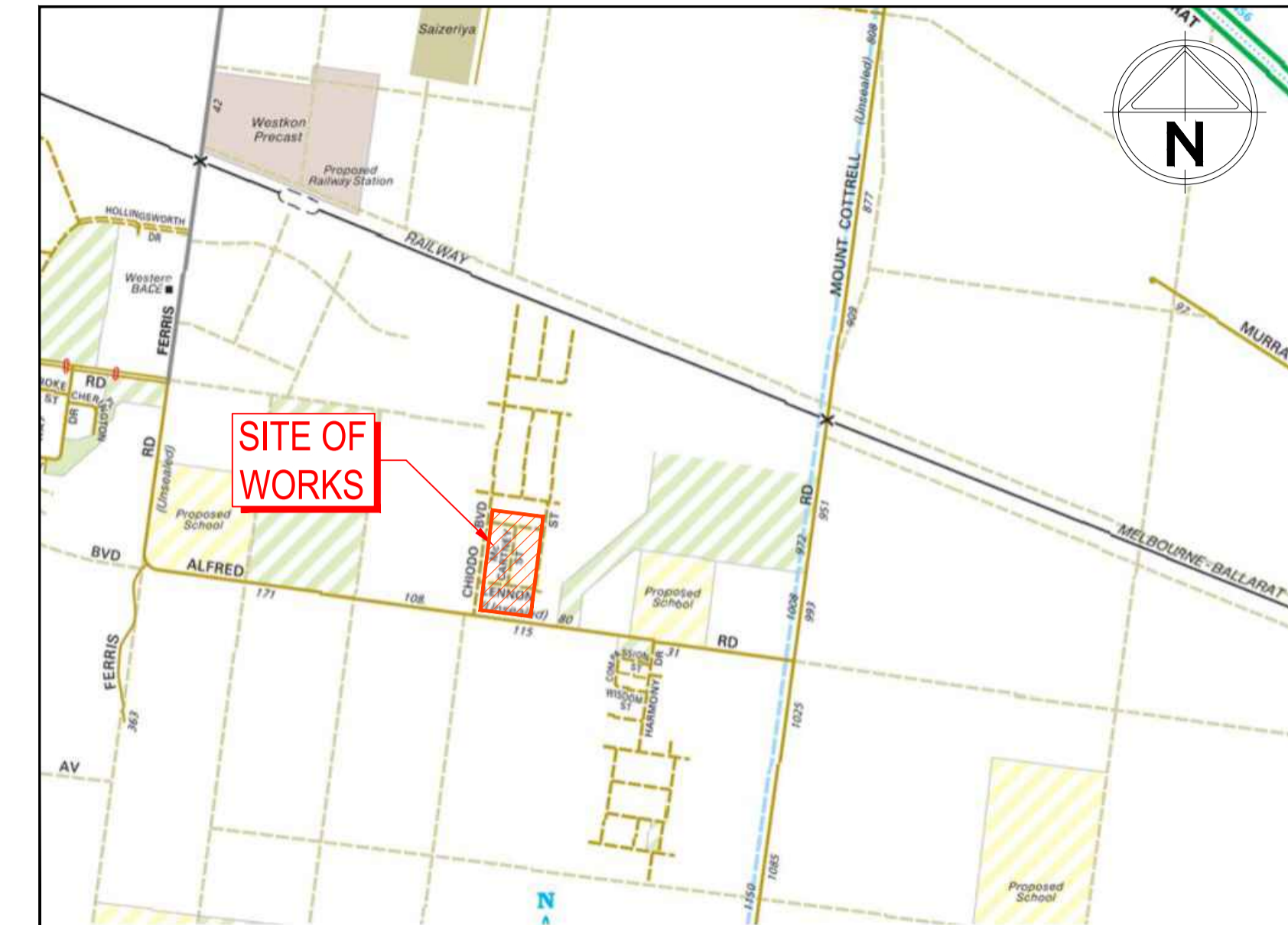
- 3.1. ALL FILLING TO COMPLY WITH EDM STANDARD SECTION 12.3 EARTHWORKS & FILLING REQUIREMENTS (A.S.3798-1996 APPENDIX B, LEVEL 1 AS SPECIFIED). LEVEL 1 FILLING OVER 300mm IS TO BE SUPERVISED AND TESTED BY NATA REGISTERED SOIL LABORATORY. THE DETAILS OF FILLING SUCH AS AREA OF FILL, DEPTH OF FILL AND THE COMPACTION TEST RESULTS ARE TO BE SUBMITTED TO COUNCIL WHEN REQUEST THE STATEMENT OF COMPLIANCE.
- 3.2. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL IMPORTED FILL MATERIAL, INCLUDING TOPSOIL, SATISFIES THE DESCRIPTION FOR CLEAN FILL MATERIAL IN EPA BULLETIN PUBLICATION NO 448 (SEPT '95) AND SUBSEQUENT REVISIONS. THE CONTRACTOR SHALL IF REQUIRED PROVIDE VERIFICATION INCLUDING TEST CERTIFICATES TO THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.
- 3.3. THE DISPOSAL SITE FOR SPOIL REMOVAL FROM SITE AND TRUCK ROUTE IS TO BE SUBMITTED TO AND APPROVED BY COUNCIL AND/OR THEIR REPRESENTATIVE IN WRITING PRIOR TO THE COMMENCEMENT OF ANY WORKS
- 3.4. ALL BATTERS SHALL BE 1 IN 6, UNLESS OTHERWISE SHOWN.
- 3.5. NO FILL OR STOCKPILING OF MATERIAL IS TO BE PLACED ON ANY RESERVE FOR PUBLIC OPEN SPACE UNLESS OTHERWISE DIRECTED BY THE SUPERINTENDENT.
- 3.6. ALL EXISTING DAMS ARE TO BE BREACHED, DRAINED, DESLUDGED AND SHALL BE EXCAVATED TO A CLEAN FIRM BASE. THE SURFACE SHALL BE INSPECTED APPROVED AND LEVELLED BY THE ENGINEER PRIOR TO COMMENCEMENT OF FILLING. THE FILL SHALL BE APPROVED SELECTED ON SITE MATERIAL OR APPROVED IMPORTED MATERIAL. THE FILL SHALL BE PLACED UNDER CONTROLLED MOISTURE CONDITIONS IN ACCORDANCE WITH THE SPECIFICATION
- 3.7. NO BLASTING TO BE CARRIED OUT WITHIN THE MUNICIPALITY WITHOUT OBTAINING COUNCILS SPECIAL PERMISSION. RESTRICTED BLASTING WITHIN 20 METRES OF WATER MAINS AND WITHIN 6 METRES OF TELSTRA CONDUITS
- 3.8. ALL EXCAVATED ROCK TO BE REMOVED AND DISPOSED OFF SITE.

### 4. TREE PROTECTION ZONE:

- 4.1. ALL TREES AND SHRUBS ARE TO BE RETAINED UNLESS OTHERWISE SHOWN. IF ROAD AND DRAINAGE CONSTRUCTION NECESSITATES THEIR REMOVAL, WRITTEN PERMISSION MUST BE OBTAINED FROM THE ENGINEER.
  - 4.2. TREES ON COUNCIL RESERVES TO BE PROTECTED WITH APPROPRIATE EXCLUSION FENCING PRIOR TO COMMENCEMENT OF ANY WORKS
  - 4.3. PRIOR TO REMOVAL OF ANY TREES THE CONTRACTOR IS TO ENGAGE A SUITABLY QUALIFIED ENVIRONMENTAL CONSULTANT TO ASSESS RISKS TO ANIMALS LIVING OR NESTING IN ANY OF THE TREES. IF SO, THESE ANIMALS MUST BE SUITABLY RELOCATED TO APPROPRIATE AREA TO THE SATISFACTION OF THE RESPONSIBLE AUTHORITY.
- ### 5. SERVICES & TRENCHING:
- 5.1. BEFORE COMMENCING WORK ON THE TRENCHES IN EXCESS OF 1.5 METRES DEEP, NOTICE OF SUCH PROPOSAL IS TO BE SENT TO THE PRINCIPAL MINING INSPECTOR, VICTORIA WORKCOVER AUTHORITY IN ACCORDANCE WITH THE MINES ACT 1958 & O.H.S. ACT 2007. A FOREMAN, QUALIFIED AS A NOMINATED PERMITTED MINES MANAGER, MUST BE IN ATTENDANCE AT ALL TIMES DURING SUCH EXCAVATION.
  - 5.2. WHERE WORKS ARE IN THE VICINITY OF EXISTING SERVICES, THESE SERVICES ARE TO BE LOCATED AND EXPOSED/PROVED PRIOR TO COMMENCEMENT OF WORKS, AND THE RELEVANT AUTHORITIES NOTIFIED SEVEN (7) CLEAR DAYS PRIOR TO THE COMMENCEMENT OF THE WORKS.
  - 5.3. ALL SERVICE TRENCHES UNDER DRIVEWAYS, FOOTPATHS AND PARKING BAYS TO BE BACKFILLED WITH CLASS 2 CRUSHED ROCK. SERVICE TRENCHES LESS THAN 750mm BEHIND PARKING BAYS ARE ALSO TO BE BACKFILLED WITH COMPACTED CLASS 2 CRUSHED ROCK.
  - 5.4. WATER CONDUITS ARE TO BE 250mm CLASS 12 P.V.C. WITH THE FOLLOWING MINIMUM COVER TO FINISHED SURFACE LEVELS:
    - 5.4.1. ROAD PAVEMENT - 800mm
    - 5.4.2. VERGE, FOOTPATHS - 450mm
  - 5.5. ALL SERVICE CONDUIT TRENCHES UNDER ROAD PAVEMENTS TO BE BACKFILLED WITH 2% CEMENT TREATED CRUSHED ROCK.
  - 5.6. WATER TAPPINGS TO BE LOCATED IN CENTRE OF ALLOTMENTS UNLESS OTHERWISE SHOWN. REFER TO WATER DESIGN DRAWINGS FOR NOMINATED OFFSETS.
  - 5.7. SERVICE CROSSING LOCATIONS SHALL BE MARKED ON KERBS IN ACCORDANCE WITH EDM 303
  - 5.8. ALL FIRE HYDRANTS ARE TO BE MARKED IN ACCORDANCE WITH "IDENTIFICATION OF STREET HYDRANTS FOR FIREFIGHTING PURPOSES" PUBLICATION (DEVELOPED BY C.F.A, M.F.E.S.B & N.R.E). MARKINGS TO BE VIA BLUE PAVEMENT MARKER AND A (RED TOPPED) WHITE POST.

### 6. CONCRETE WORKS:

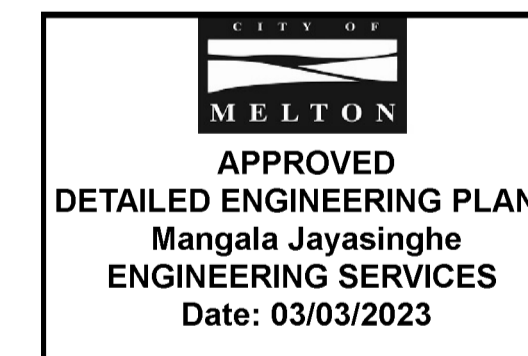
- 6.1. FOOTPATHS ARE TO BE 50mm OFFSET FROM TITLE BOUNDARIES UNLESS NOTED OTHERWISE. VEHICLE CROSSING ALIGNMENTS ARE GENERALLY TO BE PARALLEL TO THE SIDE BOUNDARY
- 6.2. FOOTPATHS TO BE 125mm THICK N25 CONCRETE WITH SL72 MESH (50mm TOP COVER) ON 50mm THICK 20mm NOMINAL SIZE CLASS 3 CRUSHED ROCK OR CLASS 3 CRUSHED CONCRETE MECHANICALLY COMPACTED IN ACCORDANCE WITH EDM 401
  - 6.2.1. FOOTPATHS TO BE THICKENED AROUND PITS IN ACCORDANCE WITH EDM 402
  - 6.2.2. PRAM CROSSINGS AND KERB RAMPS TO BE IN ACCORDANCE WITH EDM 403
- 6.3. DRIVEWAYS TO BE 125mm THICK N25 CONCRETE WITH SL72 MESH (50mm TOP COVER) ON 50mm THICK 20mm NOMINAL SIZE CLASS 3 CRUSHED ROCK OR CLASS 3 CRUSHED CONCRETE MECHANICALLY COMPACTED IN ACCORDANCE WITH EDM 501 & EDM 502
- 6.4. KERB & CHANNEL TO BE IN ACCORDANCE WITH EDM 301 & 302
- 6.5. ANY EXPOSED AGGREGATE CONCRETE WORKS TO BE ACHIEVED BY SANDBLASTING ONLY. WASHING AGGREGATE OFF WITH WATER IS NOT PERMITTED.
- 6.6. ALL NEW CONCRETE WORKS SHALL BE JOINED INTO ABUTTING EXISTING CONCRETE WITH 450mm LONG Y20 DOWEL BARS @ 600 CENTRES, UNLESS OTHERWISE SPECIFIED.



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MELWAYS REFERENCE 343 H6

### SHEET INDEX

SHEET NO.	REVISION	DESCRIPTION
1	0	COVER SHEET
2	0	DETAIL PLAN AND TYPICAL SECTION
3	0	BASIN AND SWALE DETAILS
4	0	ROAD LONGITUDINAL SECTIONS KINGA STREET AND DARWINIA WAY
5	0	ROAD CROSS SECTIONS - 1 OF 2 KINGA STREET AND DARWINIA WAY
6	0	ROAD CROSS SECTIONS - 2 OF 2 KINGA STREET AND DARWINIA WAY
7	0	INTERSECTION DETAILS
8	0	DRAINAGE LONGITUDINAL SECTIONS
9	0	DRAINAGE LONGITUDINAL SECTIONS AND PIT SCHEDULE
10	0	STANDARD DETAILS AND PAVEMENT DETAILS
11	0	STANDARD DETAILS RETAINING WALL DETAIL & LONG SECTION
12	0	STREET TREE IRRIGATION SITE PLAN
13	0	STREET TREE IRRIGATION TYPICAL DETAILS
14	0	SIGNAGE & LINEMARKING
15	0	PLAN OF SUBDIVISION - 1 OF 3
16	0	PLAN OF SUBDIVISION - 2 OF 3
17	0	PLAN OF SUBDIVISION - 3 OF 3



REV.	AMENDMENTS	APP'D	DATE
0	ISSUE TO CONSTRUCTION	A.CHUDLEIGH	28.02.2023
F	RETAINING WALL, BATTERS & DRAINAGE AMENDED	A.CHUDLEIGH	28.09.2022
E	DRAINAGE PIT SCHEUDLE AMENDED	A.CHUDLEIGH	03.02.2022
D	KERB LONGSECTIONS & TAPPINGS AMENDED	A.CHUDLEIGH	27.01.2022
C	SUB-CONSULTANT UPDATES	A.CHUDLEIGH	15.12.2021
B	COUNCIL COMMENTS	A.CHUDLEIGH	25.10.2021
A	ISSUED TO COUNCIL	A.CHUDLEIGH	15.09.2021

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FILE: J11245\_workspace\data\A\MEL.SQ\01128704\_787PM02 DESIGN\G01 DESIGN\ACAD\128704-RD1-CS.dwg LAYOUT: RD1-01 PLOTTED BY: idam, Mr PLOT DATE: 28/2/2023 1:30 PM



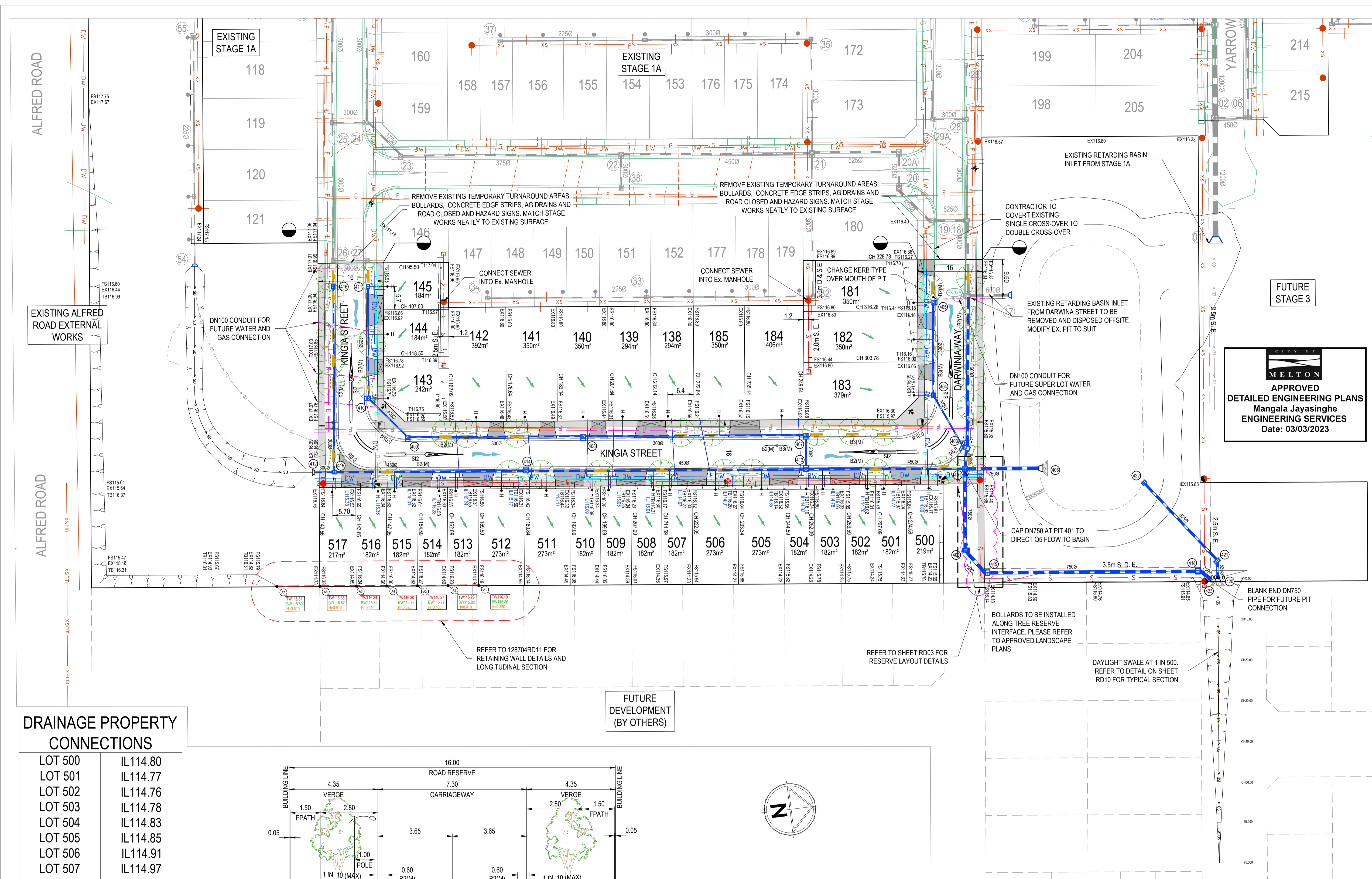
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PM	A. CHUDLEIGH
DESIGNED	12.08.2021
	E.ALLEN
CHECKED	13.09.2021
	T.BARBOR
AUTHORISED	15.09.2021
	A. CHUDLEIGH
MELWAYS	343 H6
POS No:	PS820910L
STATUS:	CONSTRUCTION

ROBINSON RISE  
STAGE 4  
CITY OF MELTON  
COVER SHEET

128704RD01

SHEET No: 1 OF 17  
REV. 0



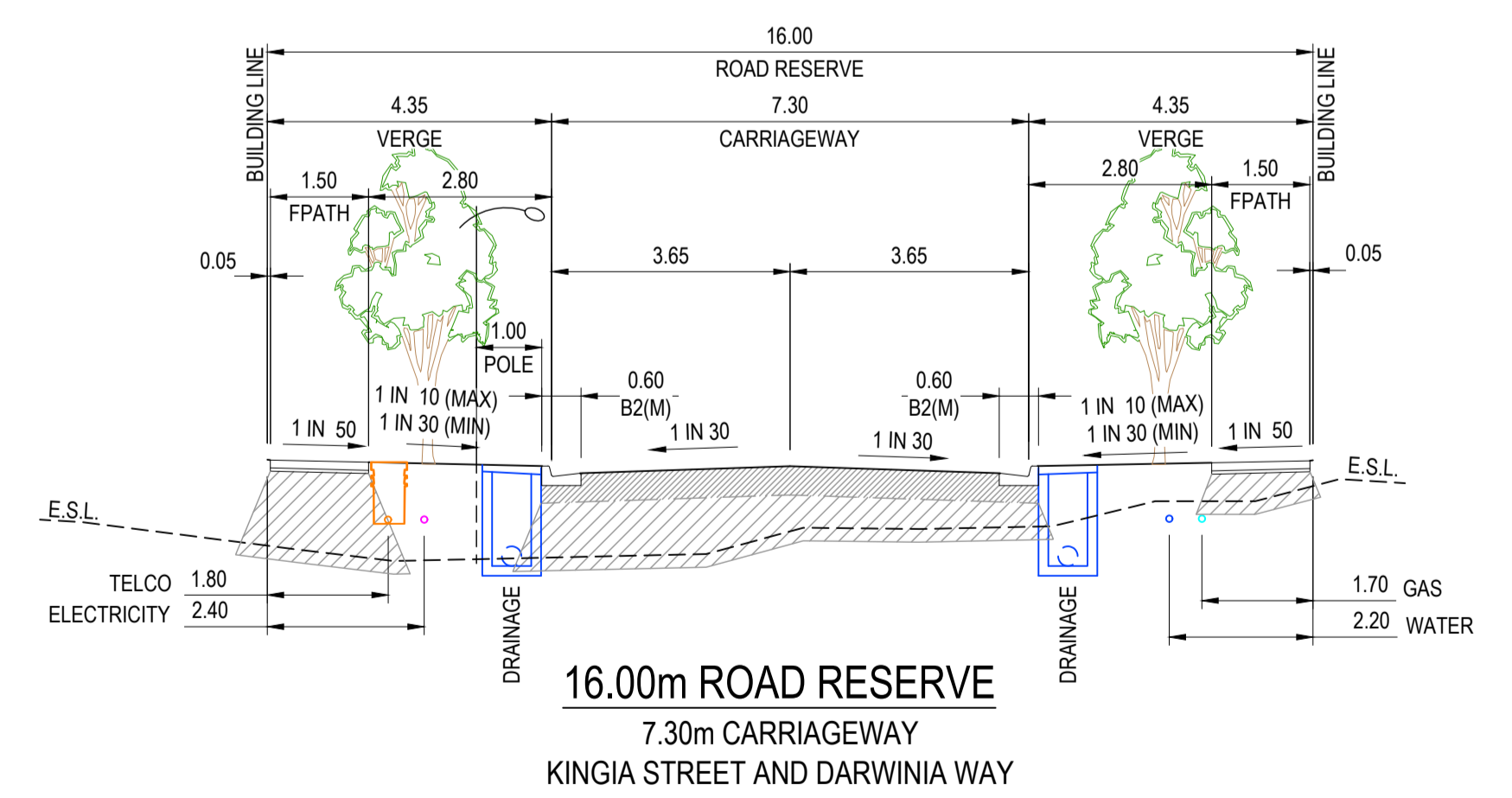
**LEGEND:**

- xw EXISTING WATER MAIN
- xwr EXISTING RECYCLED WATER MAIN
- xe EXISTING UNDERGROUND ELECTRICITY
- xe(oh) EXISTING OVERHEAD ELEC. & POLE
- xt EXISTING TELSTRA & SERVICE PIT
- xof EXISTING OPTIC FIBRE
- xg EXISTING GAS MAIN
- xs EXISTING FENCE
- xs EXISTING SEWER & MANHOLE
- xsr EXISTING SEWER RISING MAIN
- Ex 4500 EXISTING STORMWATER DRAIN & PIT
- EXISTING HOUSE DRAIN
- 168.90 EXISTING SURFACE CONTOUR MINOR
- 169.00 EXISTING SURFACE CONTOUR MAJOR
- EXISTING TOP OF BATTER
- EXISTING TOE OF BATTER
- EXISTING KERB
- EXISTING FOOTPATH
- FS180.92 FINISHED SURFACE LEVEL
- EX158.664 EXISTING SURFACE LEVEL
- IL114.80 DRAINAGE PROPERTY CONNECTION I.L.
- EXISTING BUILDING
- EXISTING SIGN AND POST
- EXISTING PERMANENT SURVEY MARK
- ROAD RESERVE
- LOT BOUNDARY
- EASEMENT
- SM2 KERB & CHANNEL + TYPE
- SAWCUT PAVEMENT
- CONCRETE EDGE STRIP
- 52 ALLOTMENT NUMBER
- DW PROPOSED WATER MAIN
- NDW PROPOSED RECYCLED WATER MAIN
- E PROPOSED ELECTRICITY
- T PROPOSED TELSTRA
- OF PROPOSED OPTIC FIBRE CONDUIT
- G PROPOSED GAS MAIN
- S PROPOSED SEWER
- SRM PROPOSED SEWER RISING MAIN
- SWD PROPOSED STORMWATER DRAIN & PIT
- H PROPOSED HOUSE DRAIN
- SD PROPOSED DRAINAGE INLET
- PROPOSED FOOTPATH
- PROPOSED DRIVEWAY
- PROPOSED INDUSTRIAL DRIVEWAY
- CD GAS & WATER CONDUIT
- SD PROPOSED SCHEDULE DRAIN
- PROPOSED SWALE DRAIN
- 5 YEAR FLOW ARROW
- 100 YEAR FLOW ARROW
- TEMPORARY BENCH MARK (TBM)
- PROPOSED PERMANENT SURVEY MARK
- PROPOSED BOLLARD
- PROPOSED LIGHT & POLE
- PROPOSED ESTATE FENCE
- PROTECTIVE TREE FENCING
- PROPOSED TOP OF BATTER
- PROPOSED TOE OF BATTER
- RIDGE / CHANGE OF GRADE
- PROPOSED SLEEPER RETAINING WALL
- PROPOSED ROCK RETAINING WALL
- ROCK BEACHING
- CRUSHED ROCK TURNAROUND
- PAVEMENT TO BE REMOVED
- PROPOSED LANDSCAPE TREE (3m DIAMETER)
- EXISTING TREE TO BE RETAINED (SURVEYED CANOPY)
- EXISTING TREE TO BE REMOVED

**MELTON**  
**APPROVED ENGINEERING PLANS**  
**Mangala Jayasinghe**  
**ENGINEERING SERVICES**  
**Date: 03/03/2023**

**DRAINAGE PROPERTY CONNECTIONS**

LOT 500	IL114.80
LOT 501	IL114.77
LOT 502	IL114.76
LOT 503	IL114.78
LOT 504	IL114.83
LOT 505	IL114.85
LOT 506	IL114.91
LOT 507	IL114.97
LOT 508	IL115.01
LOT 509	IL115.05
LOT 510	IL115.09
LOT 511	IL115.11
LOT 512	IL115.17
LOT 513	IL115.24
LOT 514	IL115.28
LOT 515	IL115.31
LOT 516	IL115.36
LOT 517	IL115.38

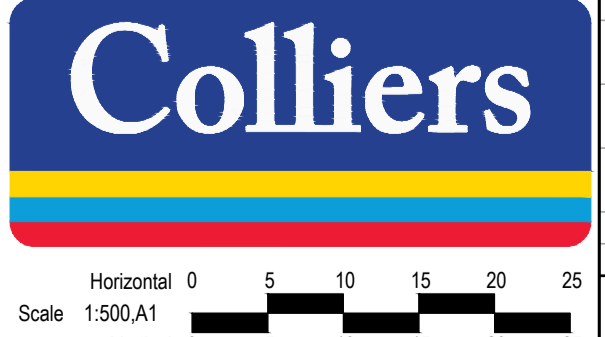


**SERVICE OFFSET TABLE**

ROAD NAME	ROAD RESERVE WIDTH	TREE	GAS	WATER		ELECTRICITY		COMMUNICATIONS/ NBN		BACK OF KERB	SHARED TRENCHING
				NDW	DW	CABLES	POLES	CABLES	PITS		
KINGIA STREET (LOT 143-145)	16.00	N & S	N 1.70	-	N 2.20	S 2.40	-	S 1.80	-	4.20N4.20S	G,W & E,T
KINGIA STREET (LOT 500-517)	16.00	E & W	E 1.70	-	E 2.20	W 2.40	-	W 1.80	-	4.20E4.20W	G,W & E,T
DARWINIA WAY	16.00	N & S	S 1.70	-	S 2.20	N 2.40	-	N 1.80	-	4.20N4.20S	G,W & E,T

- TELSTRA AND ELECTRICITY CABLES TO BE CONSTRUCTED IN A COMMON TRENCH IN ACCORDANCE WITH ELECTRICITY AUTHORITY STANDARD DRG'S.
- GAS AND WATER MAINS TO BE CONSTRUCTED IN A COMMON TRENCH.
- \* = OFFSET FROM BACK OF KERB
- NO RECYCLED WATER WITHIN DEVELOPMENT

**BEWARE OF UNDERGROUND/OVERHEAD SERVICES**  
 THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.

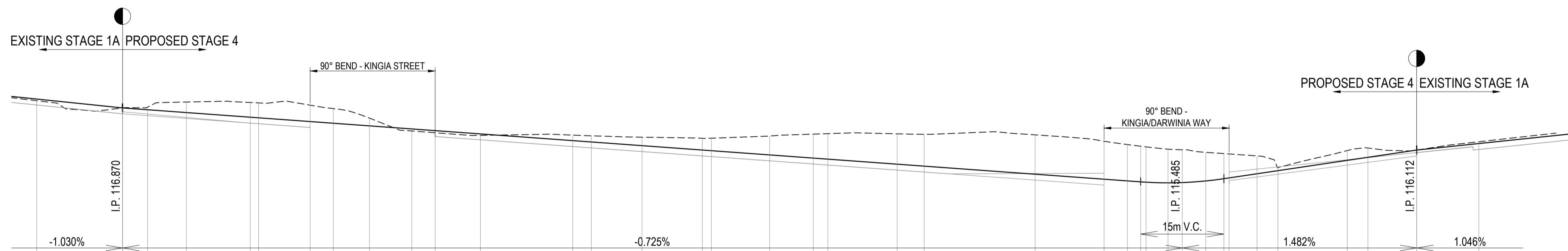


PM	A. CHUDLEIGH
DESIGNED	12.08.2021
EALLEN	13.09.2021
CHECKED	13.09.2021
T.BARBOR	15.09.2021
AUTHORISED	15.09.2021
A. CHUDLEIGH	15.09.2021
MELBURN	343 H5
POS No.	PS820910L
STATUS:	

**ROBINSON RISE**  
**STAGE 4**  
 CITY OF MELTON  
**DETAIL PLAN AND TYPICAL SECTION**

REV.	AMENDMENTS	APP'D	DATE
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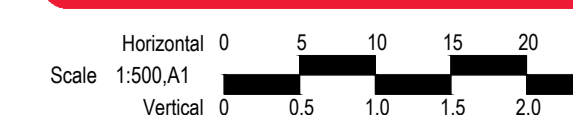


CHAINAGE (m)	EXISTING SURFACE	RIGHT DESIGN LIP OF KERB	LEFT DESIGN LIP OF KERB	DESIGN CL SURFACE LEVEL
80.000	116.999	116.923	116.923	117.029
95.483	116.870	116.763	116.763	116.870
95.500	116.870	116.763	116.800	116.870
100.000	116.885	116.730	116.760	116.837
107.000	116.976	116.680	116.698	116.786
118.500	116.967	116.596	116.596	116.703
120.000	116.960	116.585	116.585	116.692
129.301	116.920	116.518	116.518	116.625
133.501	116.858			116.594
140.000	116.687			116.547
147.639	116.455			116.492
151.838	116.423			116.461
160.000	116.375	116.296	116.296	116.402
176.639	116.380	116.175	116.175	116.282
180.000	116.368	116.151	116.151	116.257
189.139	116.343	116.084	116.084	116.191
200.000	116.323	116.006	116.006	116.112
201.639	116.325	115.994	115.994	116.100
212.139	116.364	115.918	115.918	116.024
220.000	116.398	115.861	115.861	115.967
222.639	116.406	115.842	115.842	115.948
235.139	116.404	115.751	115.751	115.888
240.000	116.396	115.716	115.716	115.822
260.000	116.385	115.571	115.689	115.677
272.439	116.271	115.481	115.694	115.587
276.639	116.211	115.557	115.557	115.557
279.030	116.181	115.540	115.540	115.540
280.000	116.169	115.533	115.533	115.533
283.957	116.127	115.522	115.522	115.522
286.530	116.117	115.527	115.527	115.527
290.777	116.071	115.556	115.556	115.556
294.977	116.042	115.504	115.717	115.610
300.000	116.006	115.628	115.769	115.685
303.777	115.797	115.677	115.808	115.741
316.277	116.102	115.841	115.937	115.926
320.000	116.148	115.890	115.976	115.981
328.777	116.111	116.063	116.066	116.111
328.801	116.112	116.063	116.067	116.112
340.000	116.261	116.122	116.122	116.229

**KINGIA STREET - DARWINIA WAY - LONGITUDINAL SECTION**

REV.	AMENDMENTS	APPD	DATE
0	ISSUE TO CONSTRUCTION	A.CHUDLEIGH	28.02.2023
F	RETAINING WALL, BATTERS & DRAINAGE AMENDED	A.CHUDLEIGH	28.09.2022
E	DRAINAGE PIT SCHEUDLE AMENDED	A.CHUDLEIGH	03.02.2022
D	KERB LONGSECTIONS & TAPPINGS AMENDED	A.CHUDLEIGH	27.01.2025
C	SUB-CONSULTANT UPDATES	A.CHUDLEIGH	15.12.2021
B	COUNCIL COMMENTS	A.CHUDLEIGH	25.10.2021
A	ISSUED TO COUNCIL	A.CHUDLEIGH	15.09.2021

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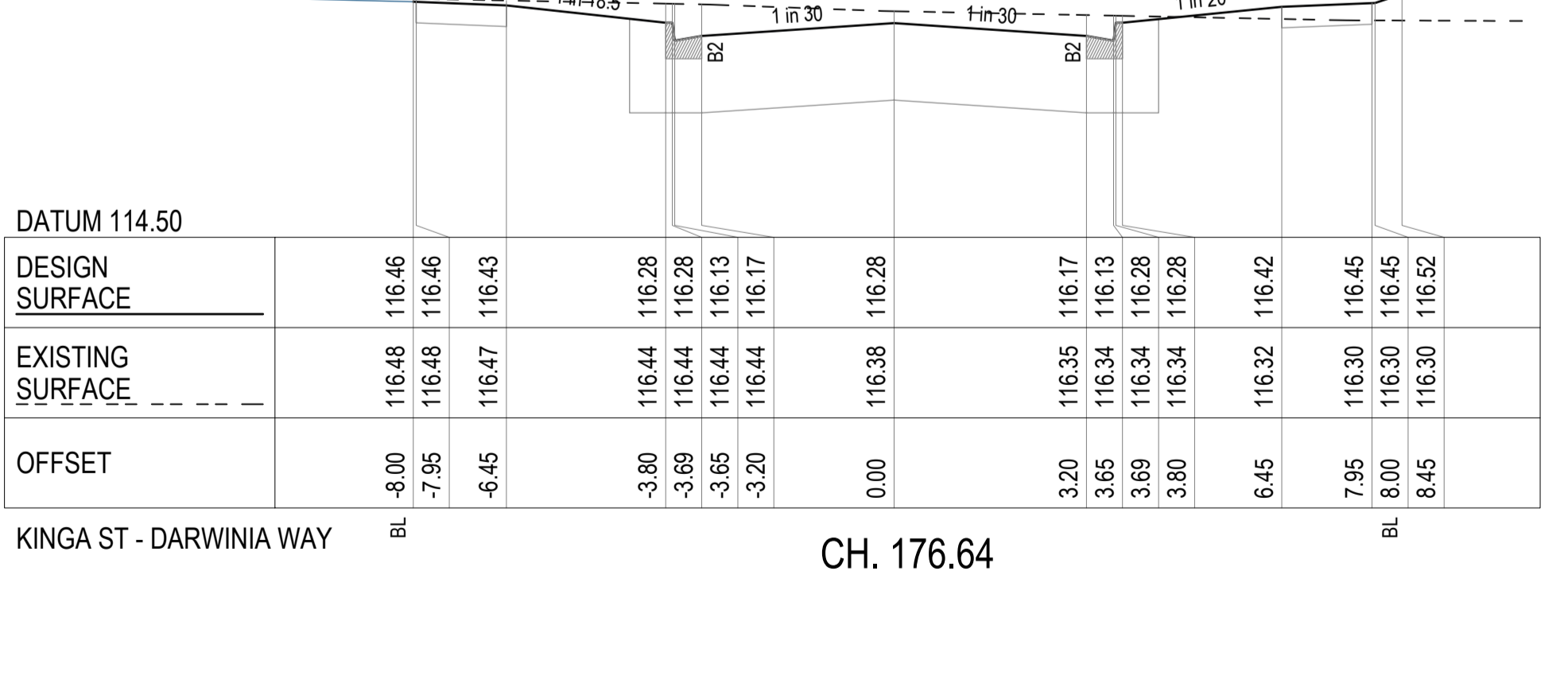
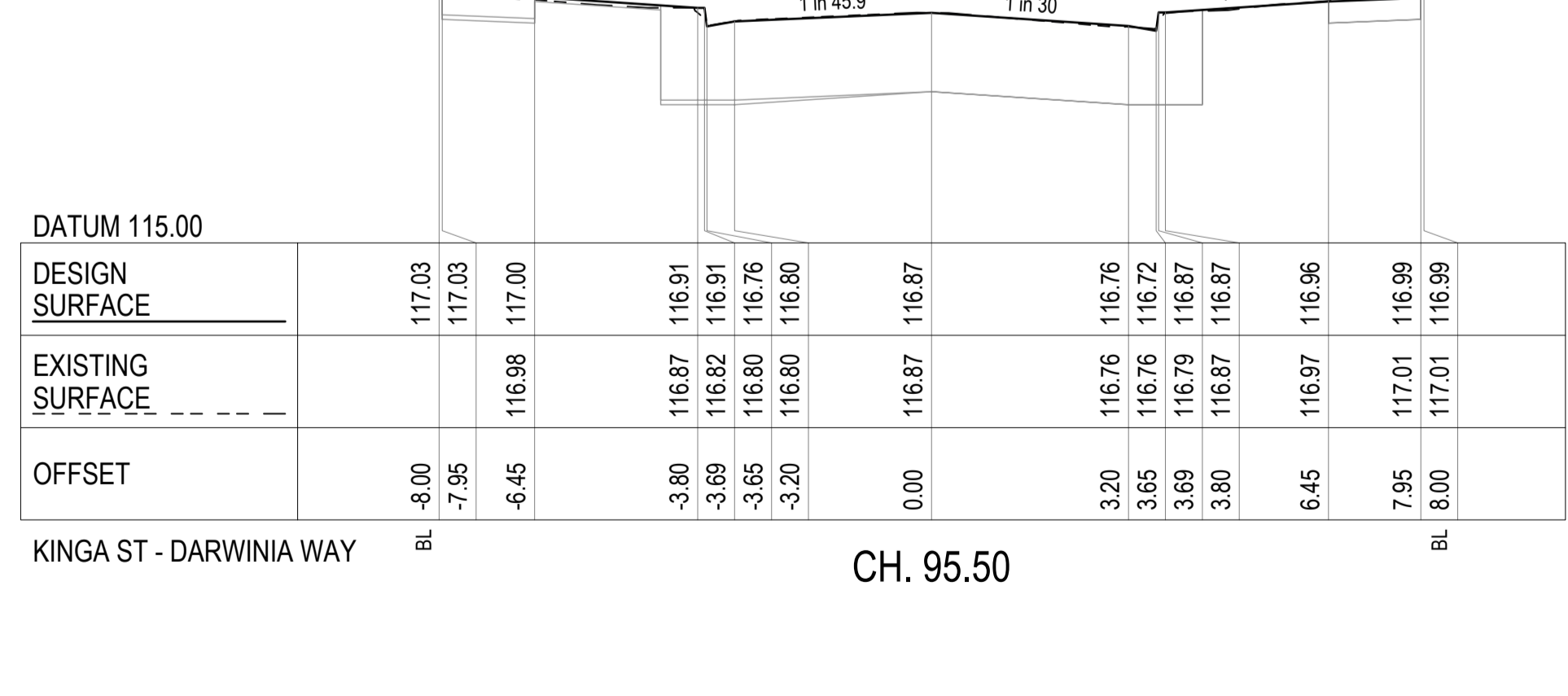
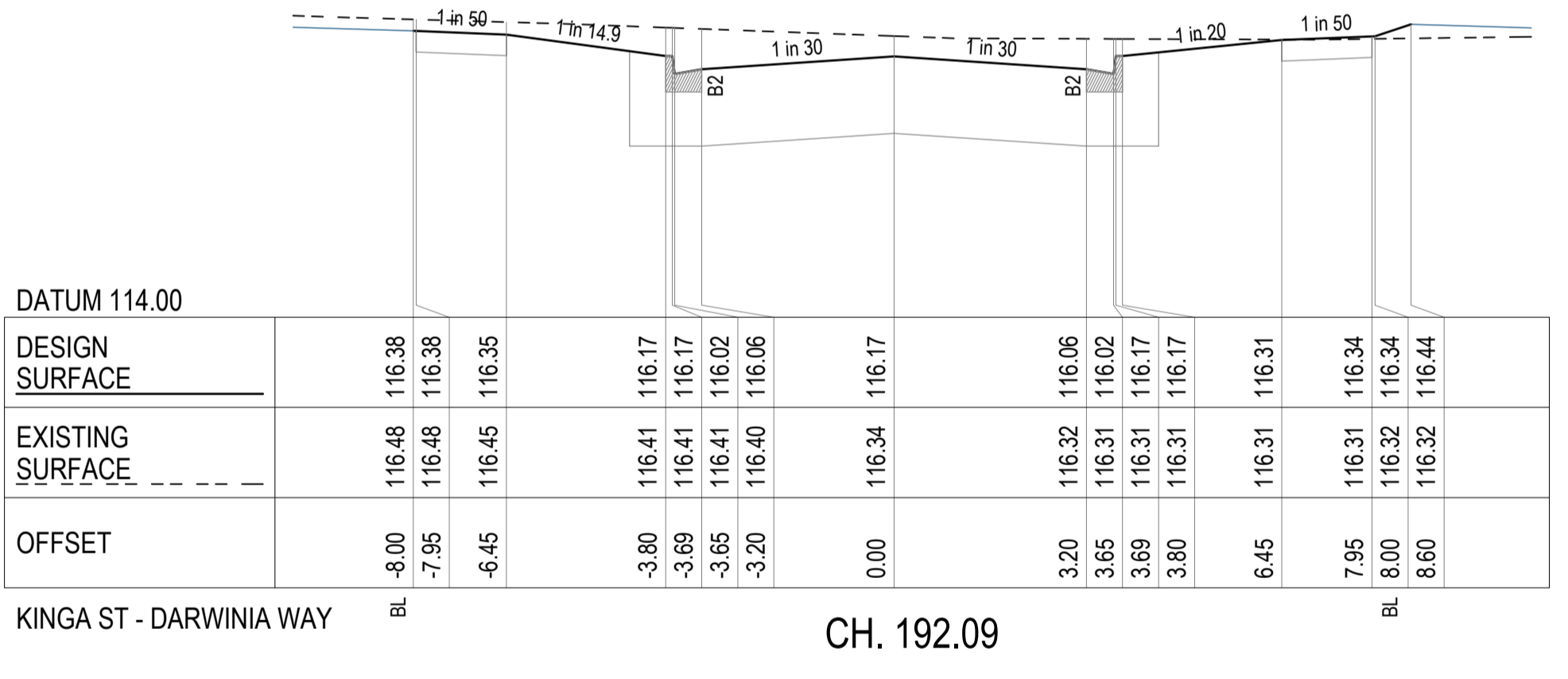
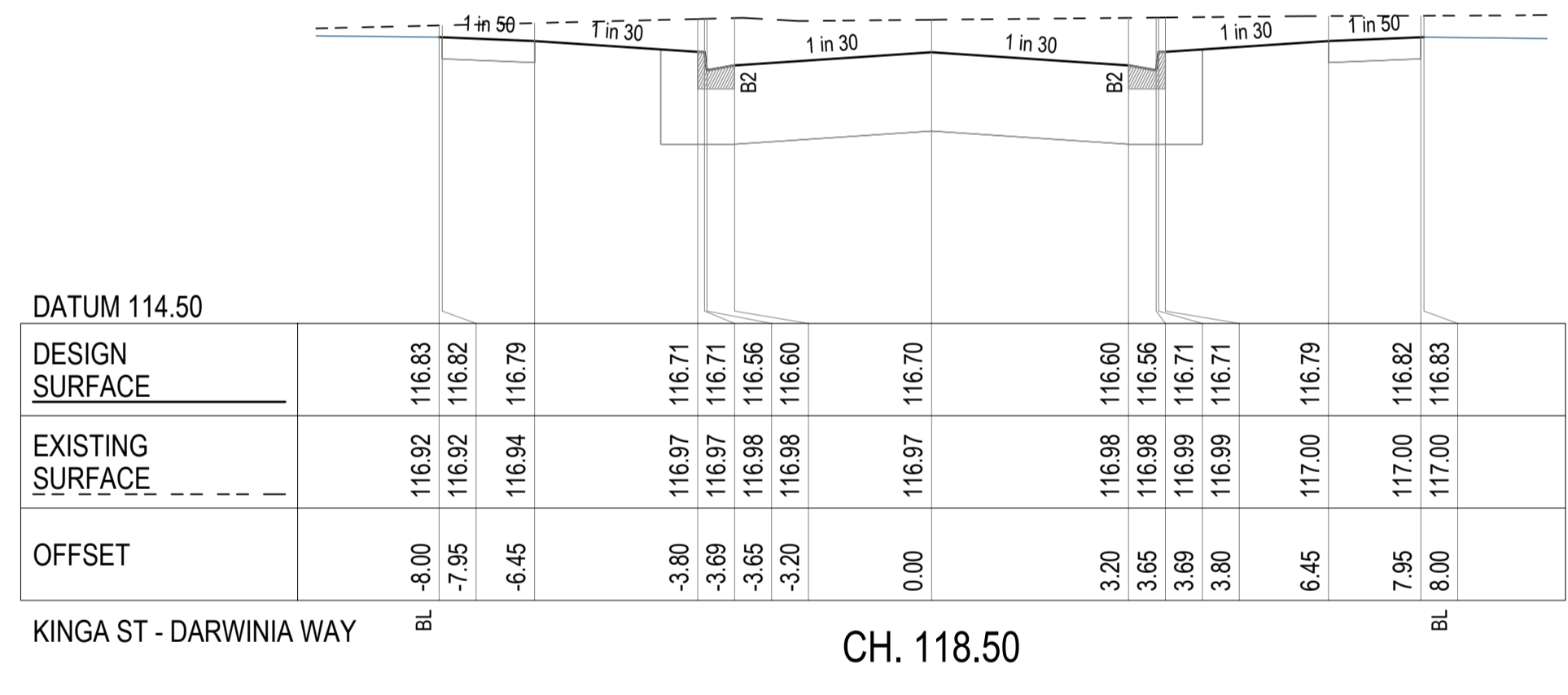
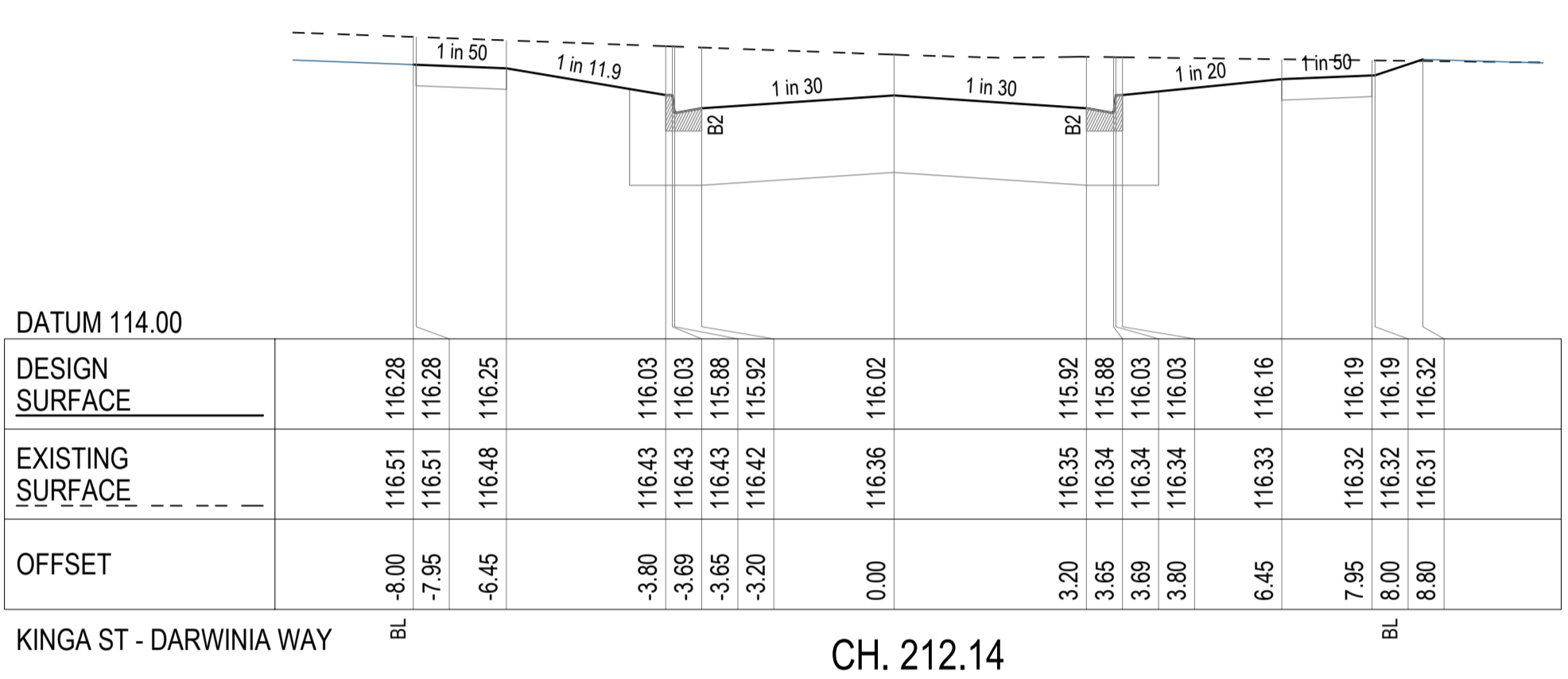
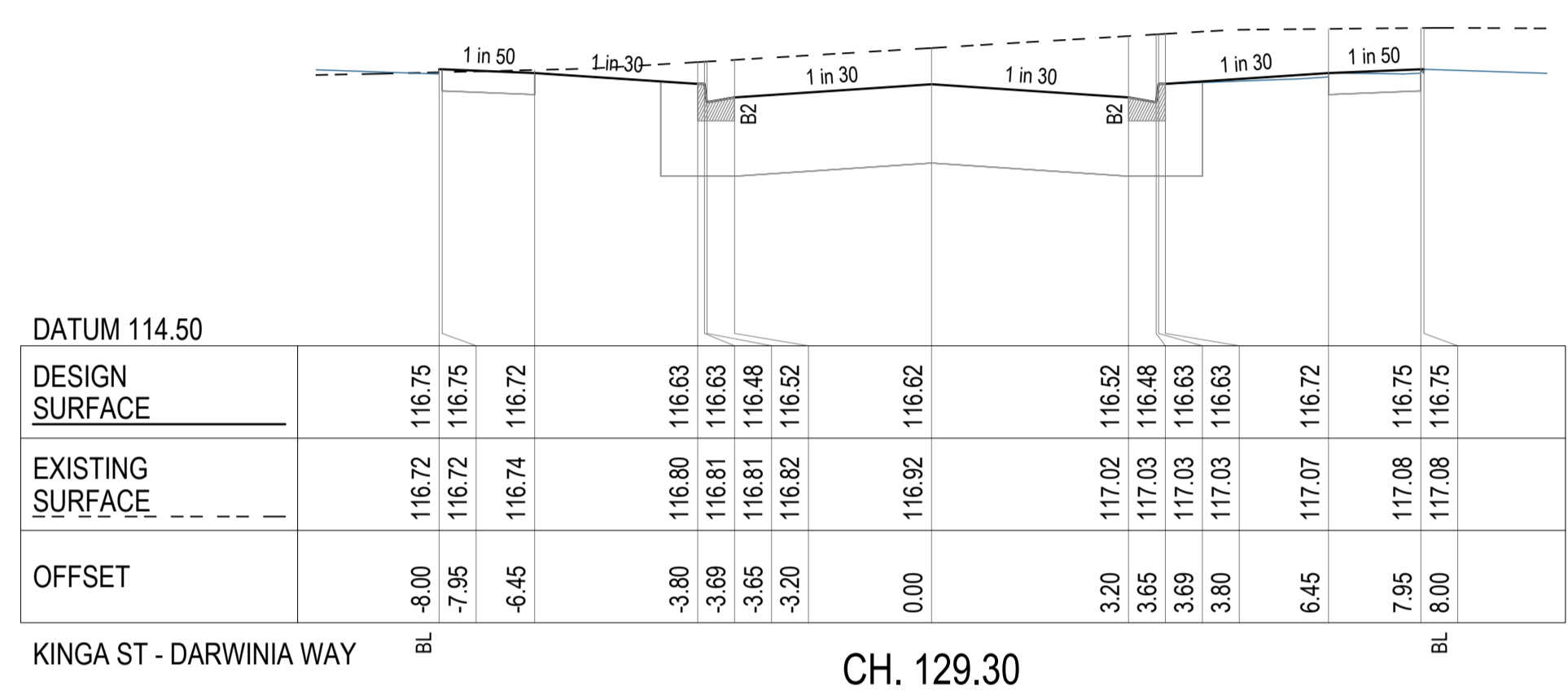
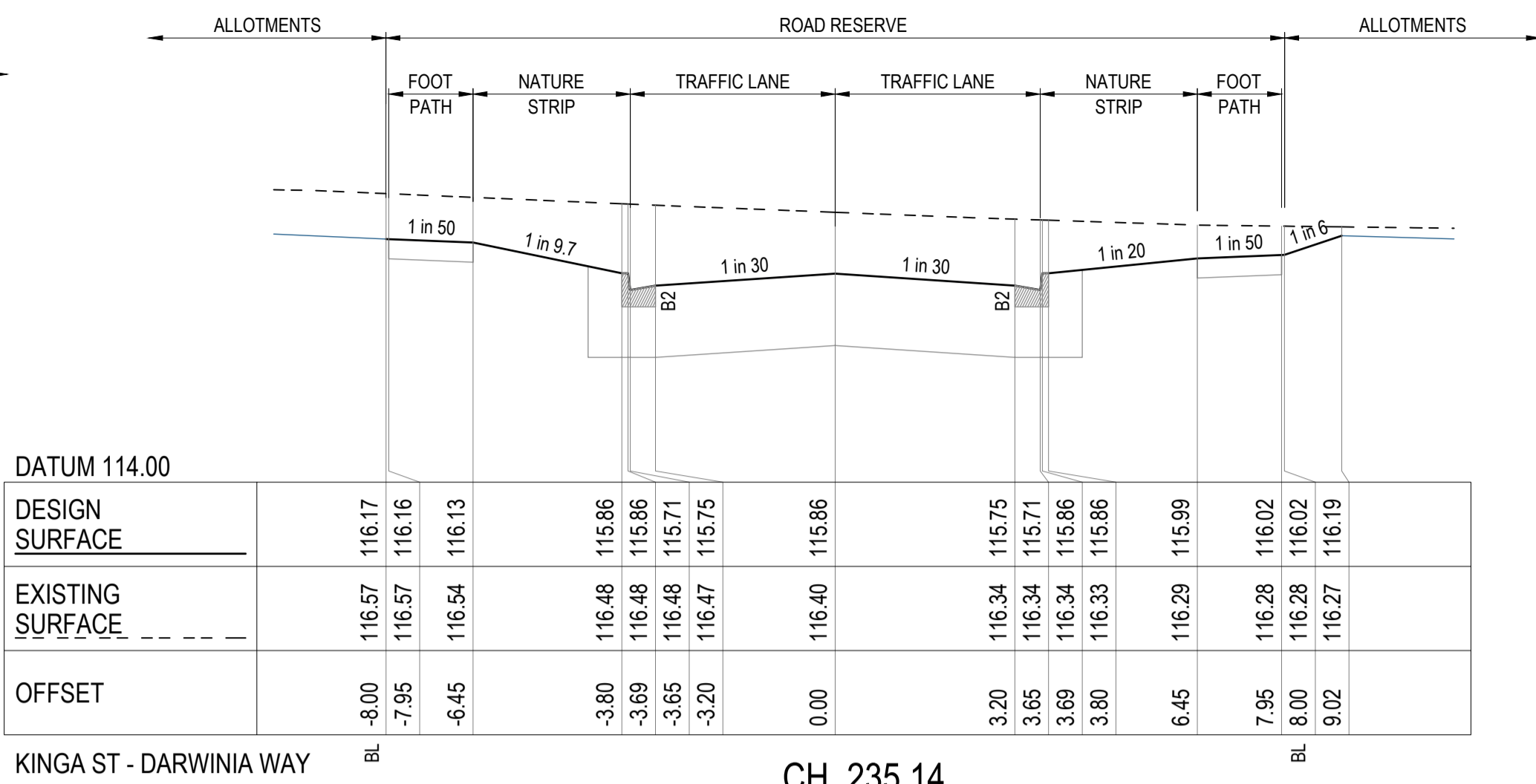
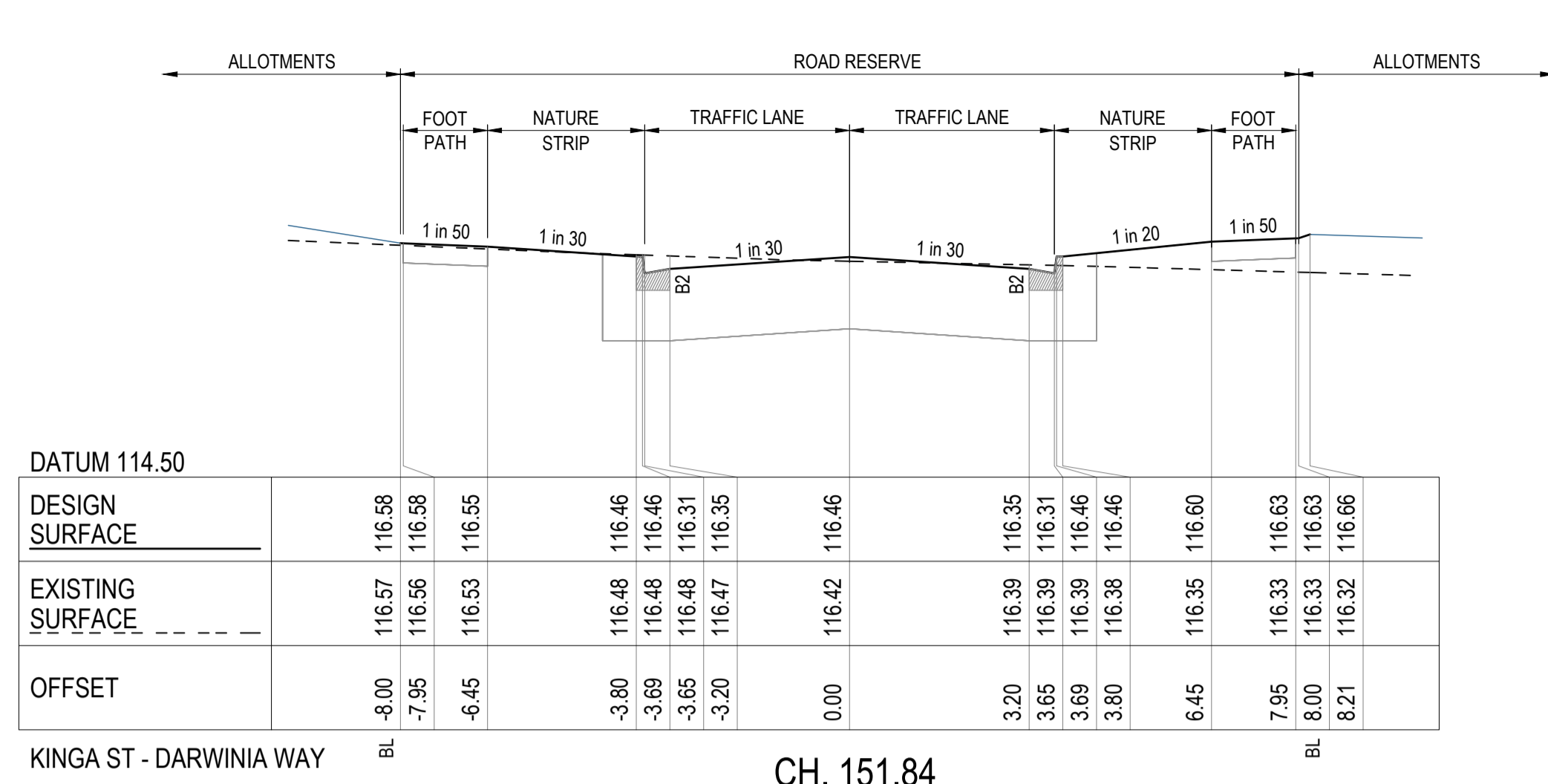


PM	A. CHUDLEIGH
DESIGNED	12.08.2021
	E. ALLEN
CHECKED	13.09.2021
	T. BARBOUR
AUTHORISED	15.09.2021
	A. CHUDLEIGH
MELWAYS	343 H6
POS No:	PS820910L
STATUS:	CONSTRUCTION

**ROBINSON RISE**  
**STAGE 4**  
 CITY OF MELTON  
 ROAD LONGITUDINAL SECTIONS  
 KINGIA STREET AND DARWINIA WAY

128704RD04	SHEET No: 4 OF 17
REV.	0

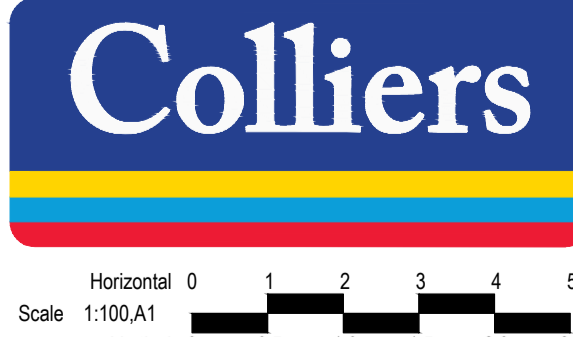
**NOTE:**  
 STRUCTURAL FILL TO BE PLACED UNDER PAVEMENT AND FOOTPATH AS REQUIRED WHEN ABOVE NATURAL SURFACE (SEE TYPICAL SECTIONS ON 128704RD14). REFER TO GEOTECHNICAL REPORT FOR SPECIFICATION OR AS DIRECTED BY THE SUPERINTENDENT.



**MELTON**  
 APPROVED  
 DETAILED ENGINEERING PLANS  
 Mangala Jayasinghe  
 ENGINEERING SERVICES  
 Date: 03/03/2023

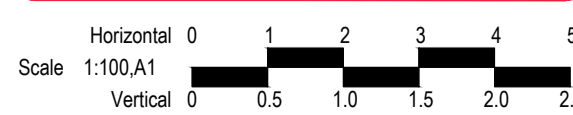
REV.	AMENDMENTS	APP'D	DATE
0	ISSUE TO CONSTRUCTION	A.CHUDLEIGH	28.02.2023
F	RETAINING WALL, BATTERS & DRAINAGE AMENDED	A.CHUDLEIGH	28.09.2022
E	DRAINAGE PIT SCHEDULE AMENDED	A.CHUDLEIGH	03.02.2022
D	KERB LONGSECTIONS & TAPPINGS AMENDED	A.CHUDLEIGH	27.01.2026
C	SUB-CONSULTANT UPDATES	A.CHUDLEIGH	15.12.2021
B	COUNCIL COMMENTS	A.CHUDLEIGH	25.10.2021
A	ISSUED TO COUNCIL	A.CHUDLEIGH	15.09.2021

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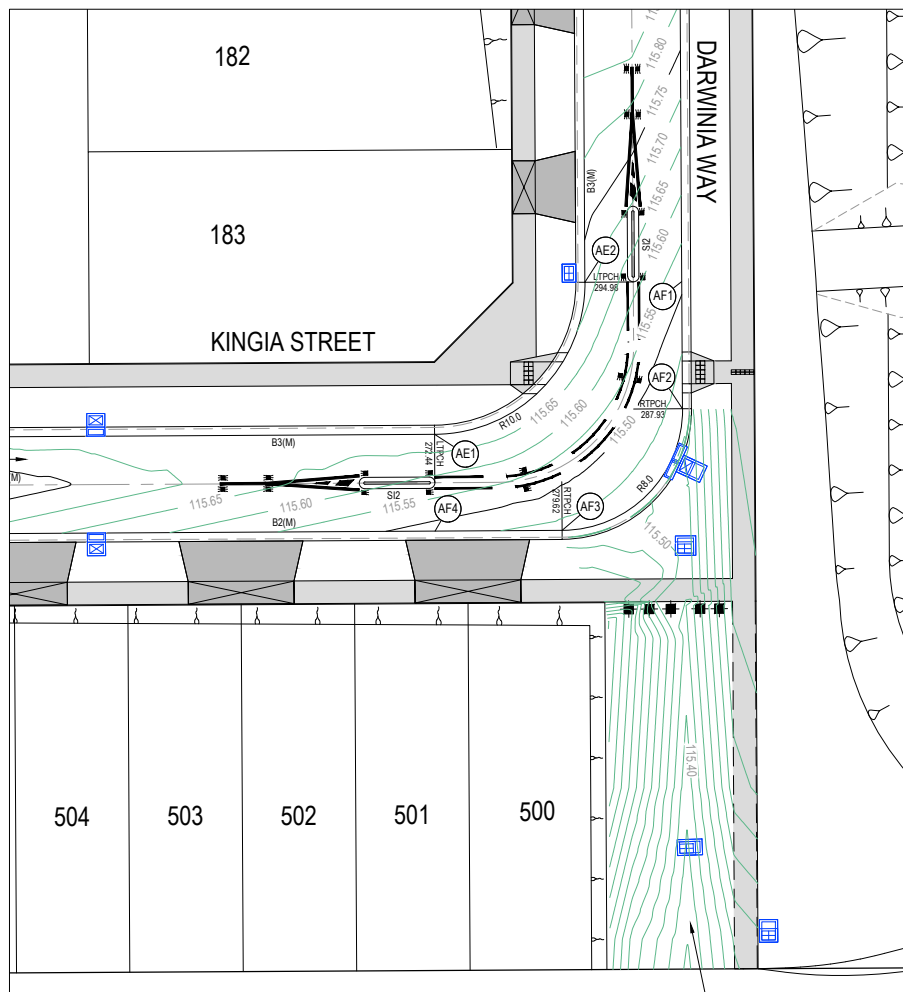
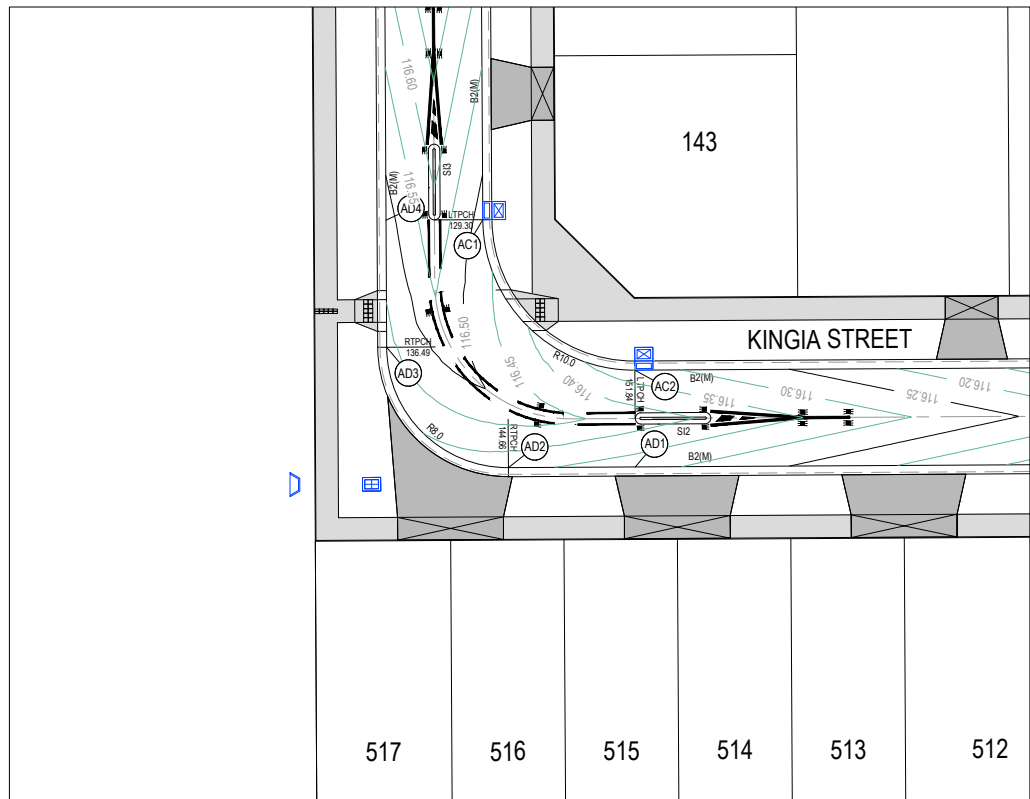


PM	A.CHUDLEIGH
DESIGNED	12.08.2021
E.ALLEN	
CHECKED	13.09.2021
T.BARBOR	
AUTHORISED	15.09.2021
A.CHUDLEIGH	
MELWAYS	343 H5
POST NO.	PS820910L
STATUS:	CONSTRUCTION

**ROBINSON RISE**  
 STAGE 4  
 CITY OF MELTON  
 ROAD CROSS SECTIONS - 1 OF 2  
 KINGA STREET AND DARWINIA WAY  
 128704RD05  
 REV. 0

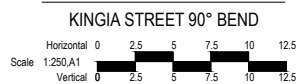




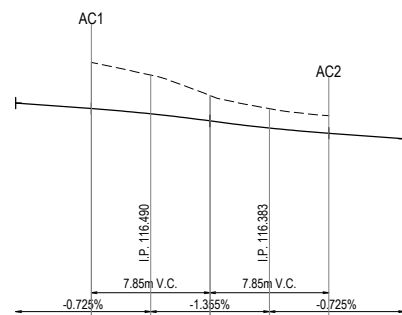
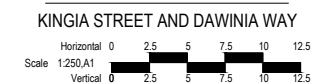


  
**APPROVED**  
**DETAILED ENGINEERING PLANS**  
**Mangala Jayasinghe**  
**ENGINEERING SERVICES**  
**Date: 03/03/2023**

**INTERSECTION DETAIL**



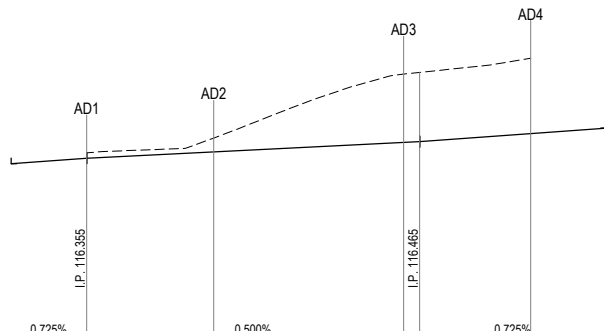
**INTERSECTION DETAIL**



DATUM 115	
DESIGN LIP LEVEL	116.518
EXISTING SURFACE LEVEL	116.518
CHAINAGE (m)	0.000

**KERB AC**

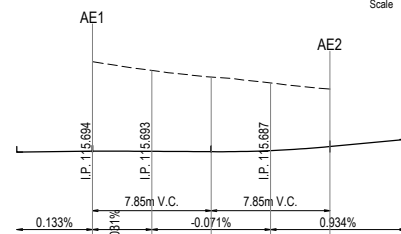
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DATUM 115	
DESIGN LIP LEVEL	116.397
EXISTING SURFACE LEVEL	116.397
CHAINAGE (m)	0.000

**KERB AD**

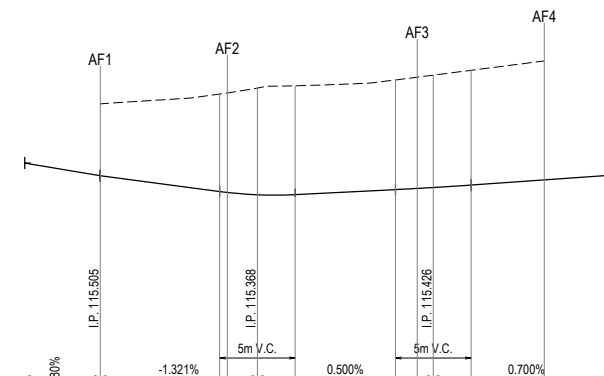
SCALE 1:250 H  
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DATUM 115	
DESIGN LIP LEVEL	115.697
EXISTING SURFACE LEVEL	115.697
CHAINAGE (m)	0.000

**KERB AE**

SCALE 1:250 H  
SCALE 1:25 V



DATUM 114	
DESIGN LIP LEVEL	115.477
EXISTING SURFACE LEVEL	115.477
CHAINAGE (m)	0.000

**KERB AF**

SCALE 1:250 H  
SCALE 1:25 V

REV.	AMENDMENTS	APPD	DATE
F	RETAINING WALL, BATTERS & DRAINAGE AMENDED	A.CHUDLEIGH	28.09.2022
E	DRAINAGE PIT SCHEUDLE AMENDED	A.CHUDLEIGH	03.02.2022
D	KERB LONGSECTIONS & TAPPINGS AMENDED	A.CHUDLEIGH	27.01.2028
C	SUB-CONSULTANT UPDATES	A.CHUDLEIGH	15.12.2021
B	COUNCIL COMMENTS	A.CHUDLEIGH	25.10.2021
A	ISSUED TO COUNCIL	A.CHUDLEIGH	15.09.2021

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PM	A. CHUDLEIGH
DESIGNED	12.08.2021
E. ALLEN	
CHECKED	13.09.2021
T. BARBOUR	
AUTHORISED	15.09.2021
A. CHUDLEIGH	
MELBURNS	343 HB
PROJ NO.	P8820910L
STATUS:	

**ROBINSON RISE**  
**STAGE 4**  
 CITY OF MELTON  
 INTERSECTION DETAILS

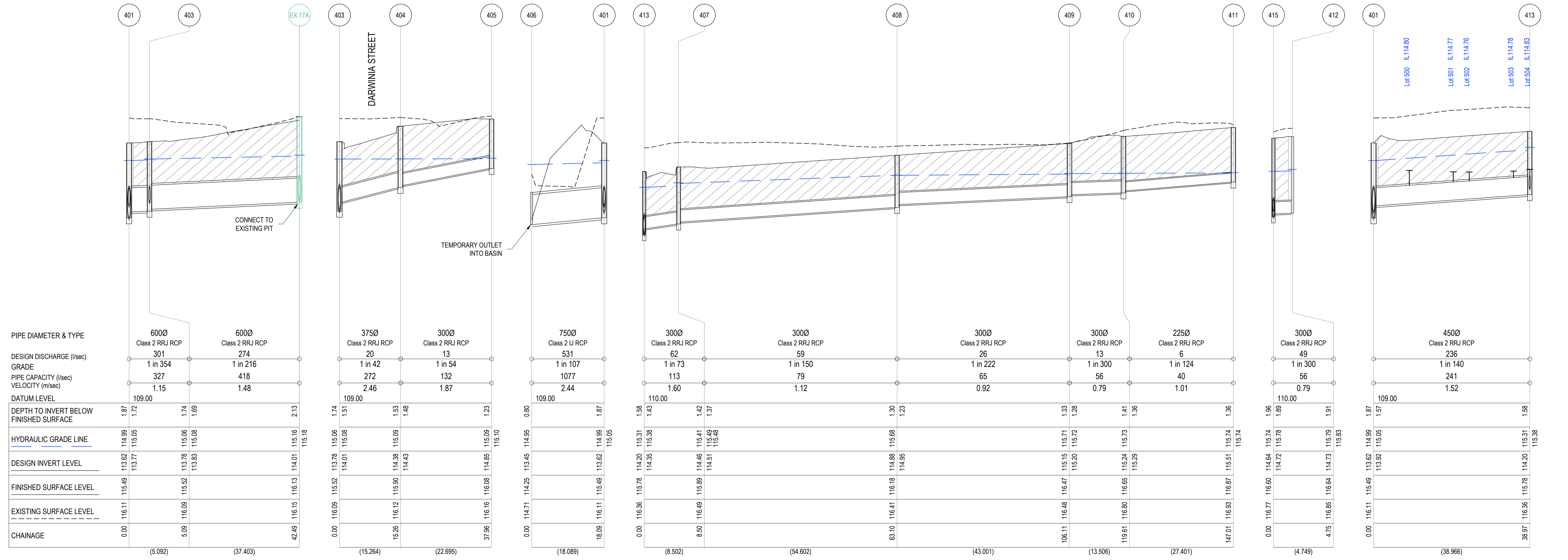


PRELIMINARY


128704RD07

SHEET No. 7 OF 17  
 REV. F

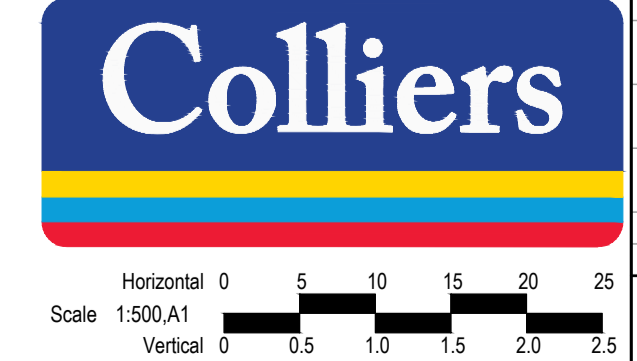
  
**APPROVED**  
**DETAILED ENGINEERING PLANS**  
 Mangala Jayasinghe  
 ENGINEERING SERVICES  
 Date: 03/03/2023



REV.	AMENDMENTS	APP'D	DATE
0	ISSUE TO CONSTRUCTION	A.CHUDLEIGH	28.02.2023
F	RETAINING WALL, BATTERS & DRAINAGE AMENDED	A.CHUDLEIGH	28.09.2022
E	DRAINAGE PIT SCHEDULE AMENDED	A.CHUDLEIGH	03.02.2022
D	KERB LONGSECTIONS & TAPPINGS AMENDED	A.CHUDLEIGH	27.01.2029
C	SUB-CONSULTANT UPDATES	A.CHUDLEIGH	15.12.2021
B	COUNCIL COMMENTS	A.CHUDLEIGH	25.10.2021
A	ISSUED TO COUNCIL	A.CHUDLEIGH	15.09.2021

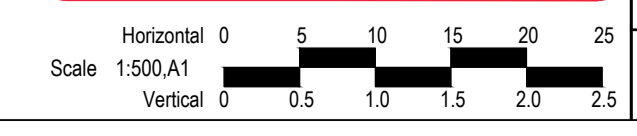
LEGEND	
	CRUSHED ROCK BACKFILL

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PM	A.CHUDLEIGH
DESIGNED	12.08.2021
E.ALLEN	
CHECKED	13.09.2021
T.BARBOR	
AUTHORISED	15.09.2021
A.CHUDLEIGH	
MELWAYS	343 H5
POS No:	PS820910L
STATUS:	

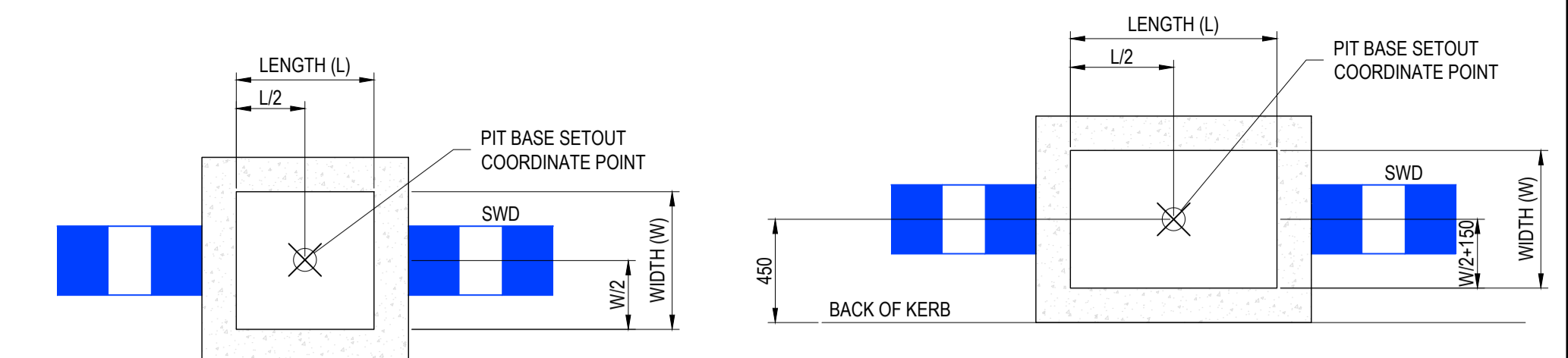
**ROBINSON RISE**  
**STAGE 4**  
 CITY OF MELTON  
**DRAINAGE LONGITUDINAL SECTIONS**



CONSTRUCTION	128704RD08	SHEET No:	8 OF 17
REV.	0		

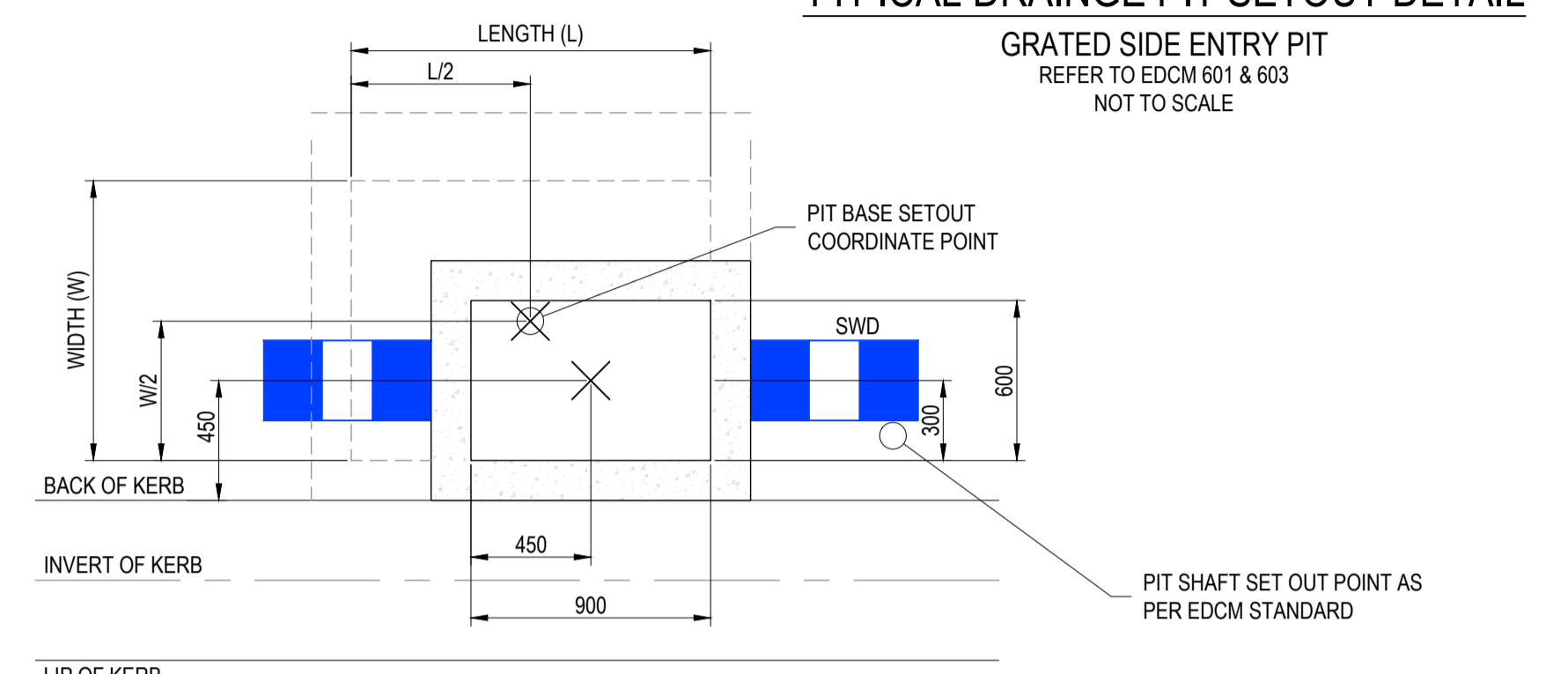
**DRAINAGE PIT SCHEDULE**

PIT		SET OUT CO-ORDINATES		INTERNAL DIMENSIONS		INLET		OUTLET		PIT		REMARKS
No.	TYPE	EASTING	NORTHING	WIDTH	LENGTH	DIA	INV LEVEL	DIA	INV LEVEL	FS LEVEL	DEPTH	
EX 17A	EXISTING JUNCTION PIT	289360.55	5822580.49							116.05	2.05	EXISTING PIT
400	GRATED PIT	289422.52	5822572.34	1350	750	750	113.58	750	113.53	115.34	1.81	REFER TO STD DRG EDM 605 AND VICROAD SD 1023
401	JUNCTION PIT	289402.63	5822574.67	1050	1050	600	113.77	600	113.77	115.49	1.87	REFER TO STD DRG EDM 605
403	DOUBLE GRATED SIDE ENTRY PIT (B KERB)	289397.64	5822575.68	1400	900	600	113.83	600	113.78	115.52	1.74	REFER TO STD DRG EDM 605 AND VICROAD SD 1023
404	JUNCTION PIT	289383.82	5822569.21	600	900	300	114.43	375	114.38	115.90	1.53	REFER TO STD DRG EDM 605 & EDM 607
405	GRATED SIDE ENTRY PIT (B KERB)	289361.28	5822571.85	600	900	300	114.51	300	114.85	116.08	1.23	REFER TO STD DRG EDM 601
406	HEADWALL	289404.74	5822592.64	1000	500	750	113.45			113.45		INSTALL PRECAST HEADWALL TO SUIT PIPE SIZE
407	GRATED SIDE ENTRY PIT (B KERB)	289389.66	5822536.96	600	900	300	114.51	300	114.46	115.89	1.42	REFER TO STD DRG EDM 601
408	GRATED SIDE ENTRY PIT (B KERB)	289383.30	5822482.73	600	900	300	114.95	300	114.88	116.18	1.30	REFER TO STD DRG EDM 601
409	GRATED SIDE ENTRY PIT (B KERB)	289378.30	5822440.02	600	900	300	115.20	300	115.15	116.47	1.33	REFER TO STD DRG EDM 601
410	GRATED SIDE ENTRY PIT (B KERB)	289367.71	5822431.65	600	900	225	115.29	300	115.24	116.65	1.41	REFER TO STD DRG EDM 601
411	JUNCTION PIT	289340.49	5822434.84	600	900	225	115.51	225	115.51	116.87	1.36	REFER TO STD DRG EDM 605
412	HEADWALL	289384.09	5822416.39	900	600			300	114.73	114.73		INSTALL PRECAST HEADWALL TO SUIT PIPE SIZE
413	GRATED SIDE ENTRY PIT (B KERB)	289398.10	5822535.97	600	900	300	114.35	300	114.35	115.78	1.58	REFER TO STD DRG EDM 601
414	GRATED SIDE ENTRY PIT (B KERB)	289390.10	5822467.78	600	900	450	114.25	450	114.20	115.78	1.58	REFER TO STD DRG EDM 601
415	JUNCTION PIT	289384.64	5822421.11	600	900	300	114.72	450	114.64	116.61	1.96	REFER TO STD DRG EDM 605
416	GRATED SIDE ENTRY PIT (B KERB)	289339.50	5822426.40	600	900	300	115.10	300	115.10	116.85	1.75	REFER TO STD DRG EDM 601
418	JUNCTION PIT	289434.63	5822628.33	1200	900	750	113.33	750	113.33	115.93	2.60	REFER TO STD DRG EDM 605
419	JUNCTION PIT	289428.74	5822577.00	1200	900	750	113.51	750	113.46	115.67	2.21	REFER TO STD DRG EDM 605
420	OUTLET HEADWALL	289436.87	5822632.98			525	113.20					
421	JUNCTION PIT	289432.52	5822633.43	1200	600	525	113.28	525	113.23	115.87	2.65	REFER TO STD DRG EDM 605
422	GRATED PIT	289411.42	5822617.87	900	600	525	113.45	525	113.45	113.45		REFER TO STD DRG EDM 605 & MW 7251/08/423 & EDM 607
423	END PIPE	289436.82	5822631.21			750	113.33			115.71	2.39	BLANK PIPE FOR FUTURE CONNECTION



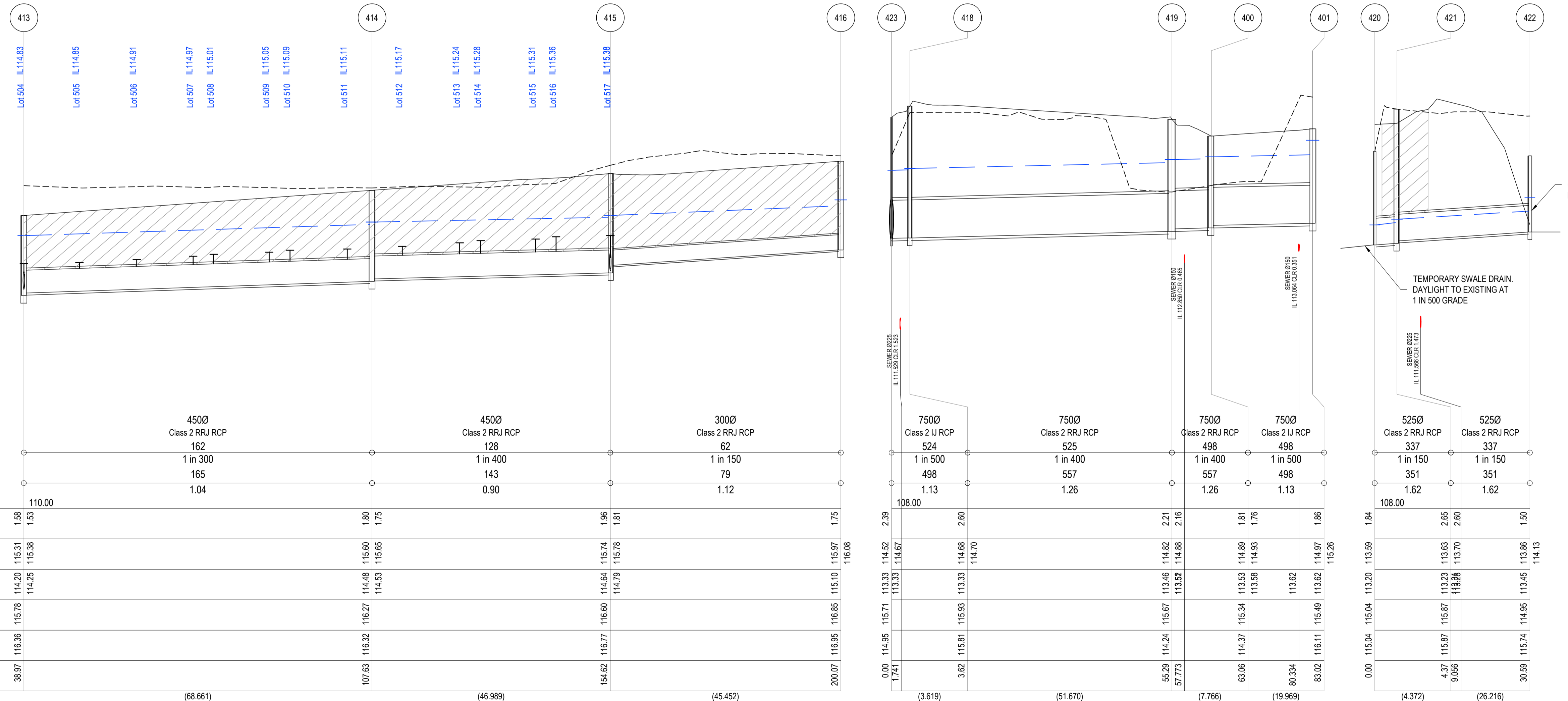
**TYPICAL DRAINAGE PIT SETOUT DETAIL**

JUNCTION PIT/ EASEMENT PIT  
REFER TO EDM 605  
NOT TO SCALE



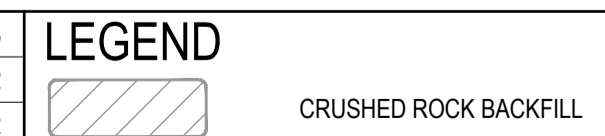
**TYPICAL DRAINAGE PIT SETOUT DETAIL**

HAUNCHED GRATED SIDE ENTRY PIT  
REFER TO EDM 601, 603 & 607  
NOT TO SCALE



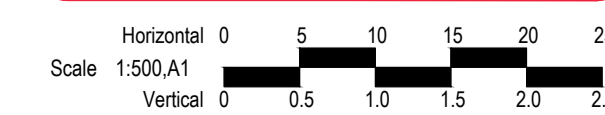
**MELTON**  
APPROVED  
DETAILED ENGINEERING PLANS  
Mangala Jayasinghe  
ENGINEERING SERVICES  
Date: 03/03/2023

REV.	AMENDMENTS	APP'D	DATE
0	ISSUE TO CONSTRUCTION	A.CHUDLEIGH	28.02.2023
F	RETAINING WALL, BATTERS & DRAINAGE AMENDED	A.CHUDLEIGH	28.09.2022
E	DRAINAGE PIT SCHEDULE AMENDED	A.CHUDLEIGH	03.02.2022
D	KERB LONGSECTIONS & TAPPINGS AMENDED	A.CHUDLEIGH	27.01.2020
C	SUB-CONSULTANT UPDATES	A.CHUDLEIGH	15.12.2021
B	COUNCIL COMMENTS	A.CHUDLEIGH	25.10.2021
A	ISSUED TO COUNCIL	A.CHUDLEIGH	15.09.2021

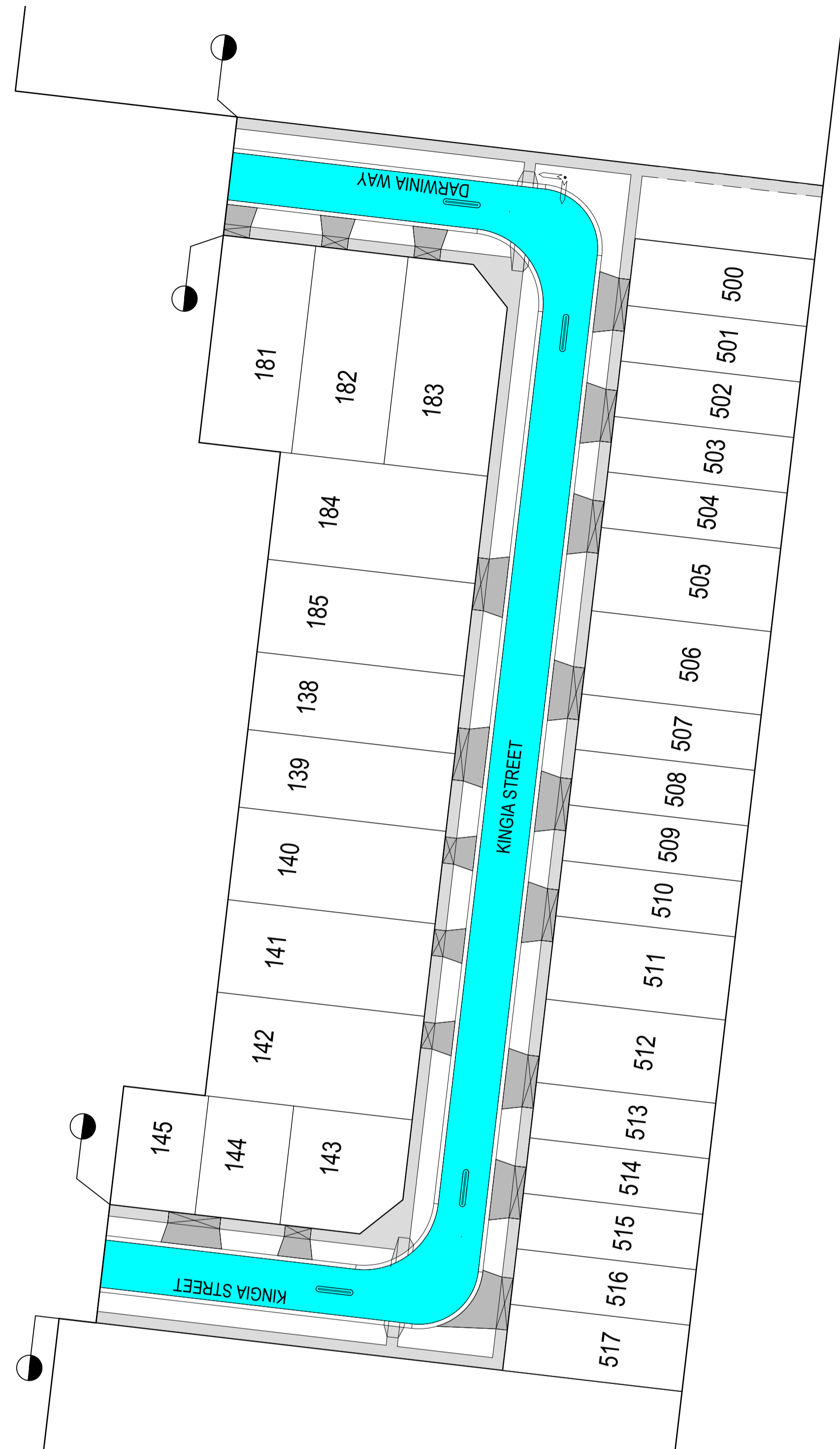


DESIGNED	A. CHUDLEIGH
CHECKED	E. ALLEN
AUTHORISED	T. BARBOUR
MELWAYS	A. CHUDLEIGH
STATUS	343 HB
	PSB20910L

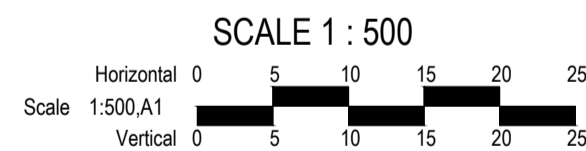
**ROBINSON RISE**  
STAGE 4  
CITY OF MELTON  
DRAINAGE LONGITUDINAL SECTIONS  
AND PIT SCHEDULE



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PAVEMENT TYPE PLAN



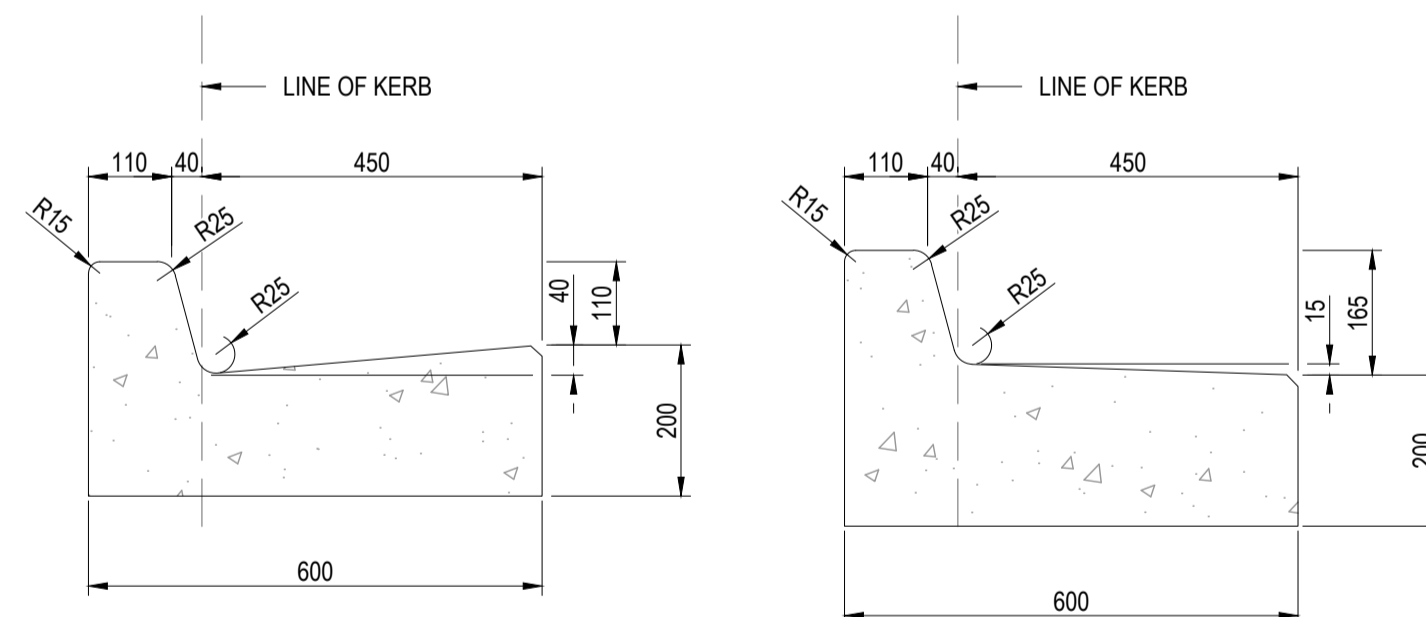
PAVEMENT LAYER	DESCRIPTION	DEPTH (mm)
WEARING COURSE	SIZE 14mm TYPE N CLASS 320 ASPHALT	30
INTERMEDIATE COURSE	SIZE 10mm TYPE N CLASS 320 ASPHALT	30
INTERLAYER	SIZE 10mm (S18R) STRAIN ALLEVIATING MEMBRANE INTERLAYER (SAMI)	10
BONDING LAYER	PRIME OR 7mm PRIMERSEAL	✓
BASE COURSE	SIZE 20mm CLASS 2 CRUSHED ROCK, COMPACTED TO A MINIMUM DENSITY OF 100% (CHARACTERISTIC MODIFIED) MAX. DRY DENSITY AS 1289.5.2.1	130
UPPER SUBBASE	SIZE 20mm CLASS 3 CRUSHED ROCK, COMPACTED TO A MINIMUM DENSITY OF 98% (CHARACTERISTIC MODIFIED) MAX. DRY DENSITY AS 1289.5.2.1	210
UPPER PAVEMENT TOTAL		410
CAPPING LAYER	SELECT FILL OR STABILISED CLAY MEETING THE FOLLOWING MATERIAL PROPERTIES, CBR >=10%, SWELL <=1.5%, PERMEABILITY $K \leq 5 \times 10^{-9}$ m/s, COMPACTED TO A MINIMUM MEAN DENSITY RATIO OF 100% STANDARD MAXIMUM DRY DENSITY AS 1289.5.1.1, COMPACTED AT MOISTURE CONTENTS OF $\pm 2.0\%$ OF STANDARD OPTIMUM MOISTURE CONTENT.	150
CONSTRUCTION LAYER	SELECT FILL OR STABILISED CLAY MEETING THE FOLLOWING MATERIAL PROPERTIES, CBR >=10%, SWELL <=1.5%, PERMEABILITY $K \leq 5 \times 10^{-9}$ m/s, COMPACTED TO A MINIMUM MEAN DENSITY RATIO OF 100% STANDARD MAXIMUM DRY DENSITY AS 1289.5.1.1, COMPACTED AT MOISTURE CONTENTS OF $\pm 2.0\%$ OF STANDARD OPTIMUM MOISTURE CONTENT.	150
SUBGRADE	MATERIAL AS FOUND (SILTY CLAY) COMPACTED TO A MINIMUM DENSITY OF 98% (STANDARD) AS 1289.5.1.1	300
LOWER PAVEMENT TOTAL		300
TOTAL PAVEMENT DEPTH		710

NOTE: COMPACTION REQUIRED ONLY WHERE SELECT FILL IS USED FOR SUBGRADE IMPROVEMENT

ROAD NAME	TYPE
KINGIA STREET	ACCESS ROAD - LEVEL 2 (FLEXIBLE ASPHALT PAVEMENT)
DAWINIA WAY	ACCESS ROAD - LEVEL 2 (FLEXIBLE ASPHALT PAVEMENT)

PAVEMENT NOTES:

- REFER TO GEOTECHNICAL INVESTIGATION REPORT No. 4284.000.R1.3 DATED AUGUST 2014 BY TONKIN & TAYLOR PTY LTD FOR GEOTECHNICAL INFORMATION AND ADVICE.
- PAVEMENT BASE AND SUBBASE COURSES ARE TO BE COMPACTED TO A DRY DENSITY RATIO OF NOT LESS THAN 99% AND 98% MODIFIED, RESPECTIVELY, AND MOISTURE CONDITIONED TO WITHIN  $\pm 3\%$  OF MODIFIED OPTIMUM MOISTURE CONTENT (MOMC). THE CAPPING LAYER AND TOP 300MM OF THE SUBGRADE MUST BE COMPACTED TO ACHIEVE NOT LESS THAN 98% STANDARD COMPACTION AND MOISTURE CONDITIONED TO WITHIN  $\pm 3\%$  OF STANDARD OPTIMUM MOISTURE CONTENT.
- CONDUITS FOR GAS, WATER, ELECTRICITY AND TELECOM SERVICES TO BE LOCATED CLEAR OF PAVEMENT AND THE SUBSURFACE DRAIN.

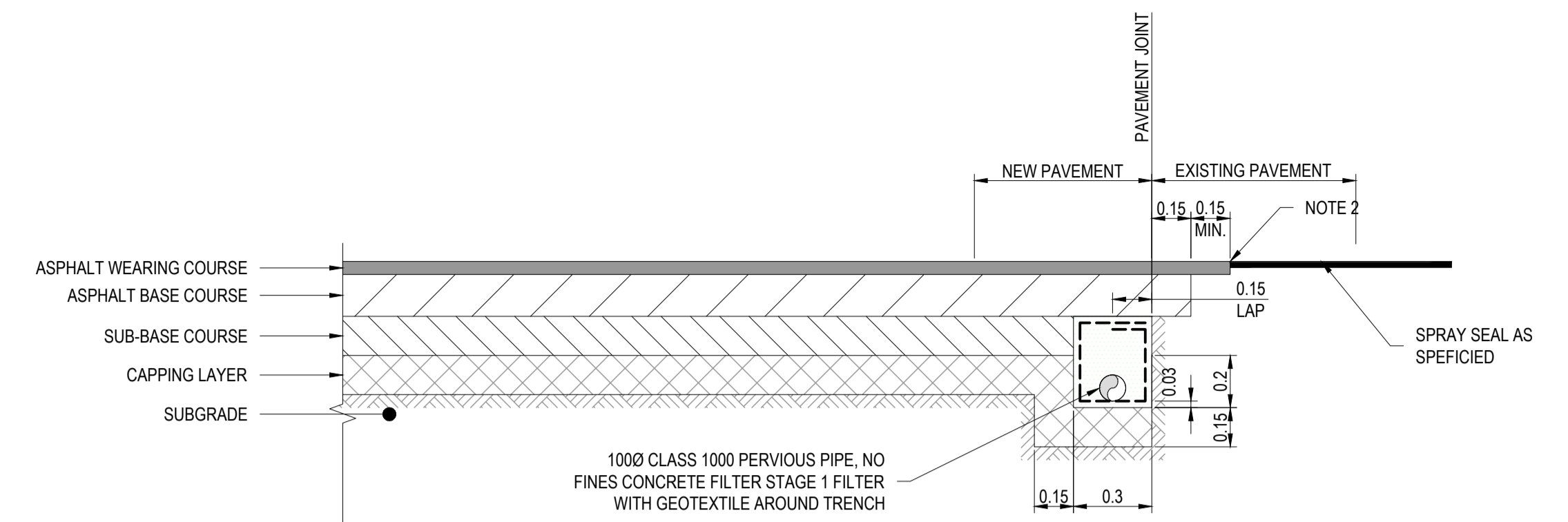


EDCM KERB - B2 (M)

EDCM KERB - B3 (M)

MODIFIED KERB DETAILS

SCALE 1 : 10

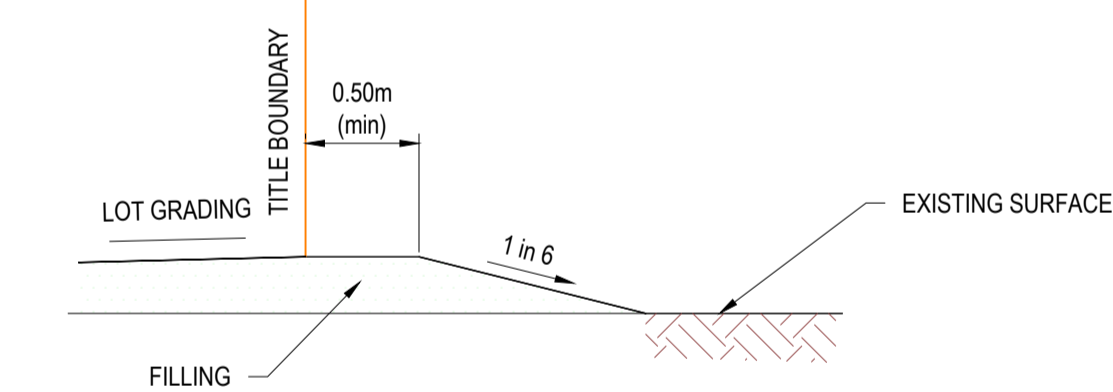
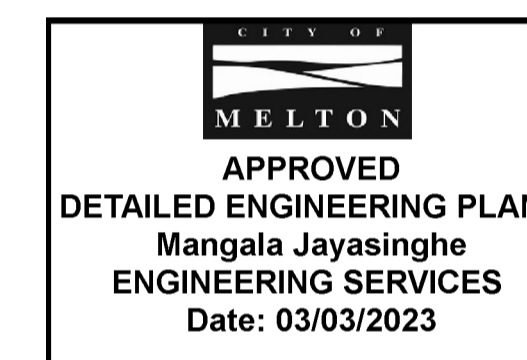


PAVEMENT JOIN DETAIL

SCALE 1 : 20

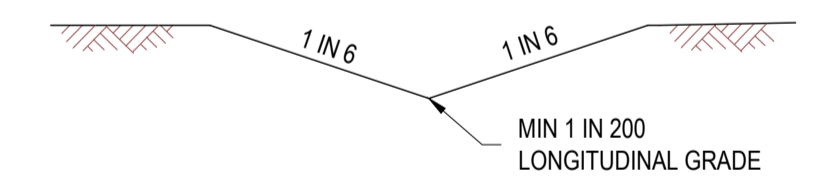
NOTES:

- FOR EXPANSIVE SUBGRADE, SAW CUT EXISTING ASPHALT. REFER TO SPECIFICATION SECTION 407.17 FOR JOINT DETAIL. APPLY PRIME AND SAMI TO EXISTING PAVEMENT.
- FOR NON EXPANSIVE SUBGRADE, SAW CUT EXISTING ASPHALT. REFER TO SPECIFICATION SECTION 407.17 FOR JOINT DETAIL. PLACE 600mm MIN WIDE STRESS ABSORBING MEMBRANE. GEOTEXTILE TO BE LOCATED CENTRALLY OVER PAVEMENT JOINT.
- SUBSURFACE DRAINS TO BE PROVIDED BEFORE THE CONSTRUCTION OF THE PAVEMENT.
- THE JOINT BETWEEN NEW AND OLD WEARING COURSE TO BE CRACK SEALED.
- THE JOINT BETWEEN NEW AND OLD WEARING COURSE MUST BE CONSTRUCTED AT A LOCATION OUTSIDE THE WHEEL PATH ZONE.



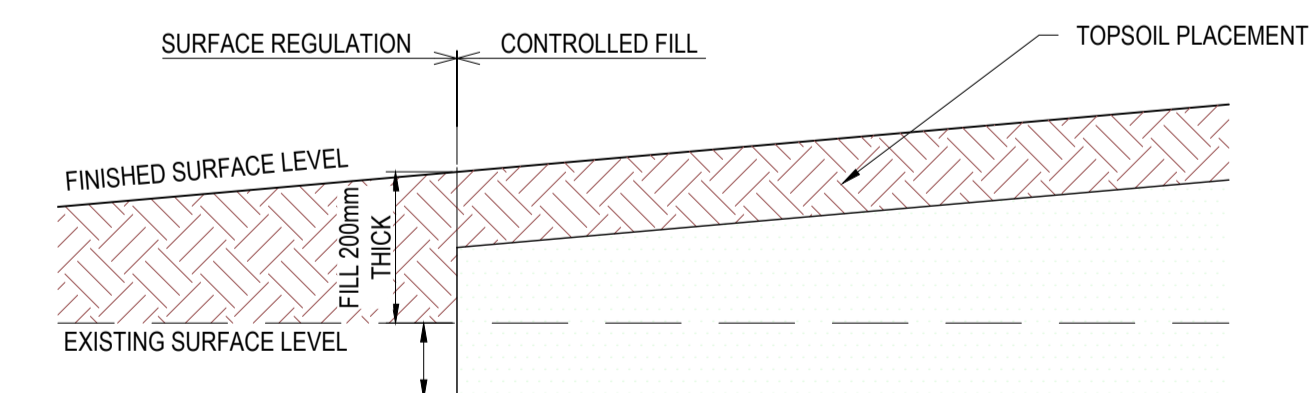
LOT FILLING AT STAGE BOUNDARY

NOT TO SCALE



TYPICAL SWALE DRAIN DETAIL

NOT TO SCALE



LOT REGRADING DETAIL

NOT TO SCALE

REV.	AMENDMENTS	APP'D	DATE
0	ISSUE TO CONSTRUCTION	A.CHUDLEIGH	28.02.2023
F	RETAINING WALL, BATTERS & DRAINAGE AMENDED	A.CHUDLEIGH	28.09.2022
E	DRAINAGE PIT SCHEUDLE AMENDED	A.CHUDLEIGH	03.02.2022
D	KERB LONGSECTIONS & TAPPINGS AMENDED	A.CHUDLEIGH	27.01.2021
C	SUB-CONSULTANT UPDATES	A.CHUDLEIGH	15.12.2021
B	COUNCIL COMMENTS	A.CHUDLEIGH	25.10.2021
A	ISSUED TO COUNCIL	A.CHUDLEIGH	15.09.2021

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Scale AS SHOWN

PM	A. CHUDLEIGH
DESIGNED	12.08.2021
E.ALLEN	
CHECKED	13.09.2021
T.BARBOROUGH	
AUTHORISED	15.09.2021
A. CHUDLEIGH	
MELBAYS	343 HB
POS No.	PS820910L
STATUS:	

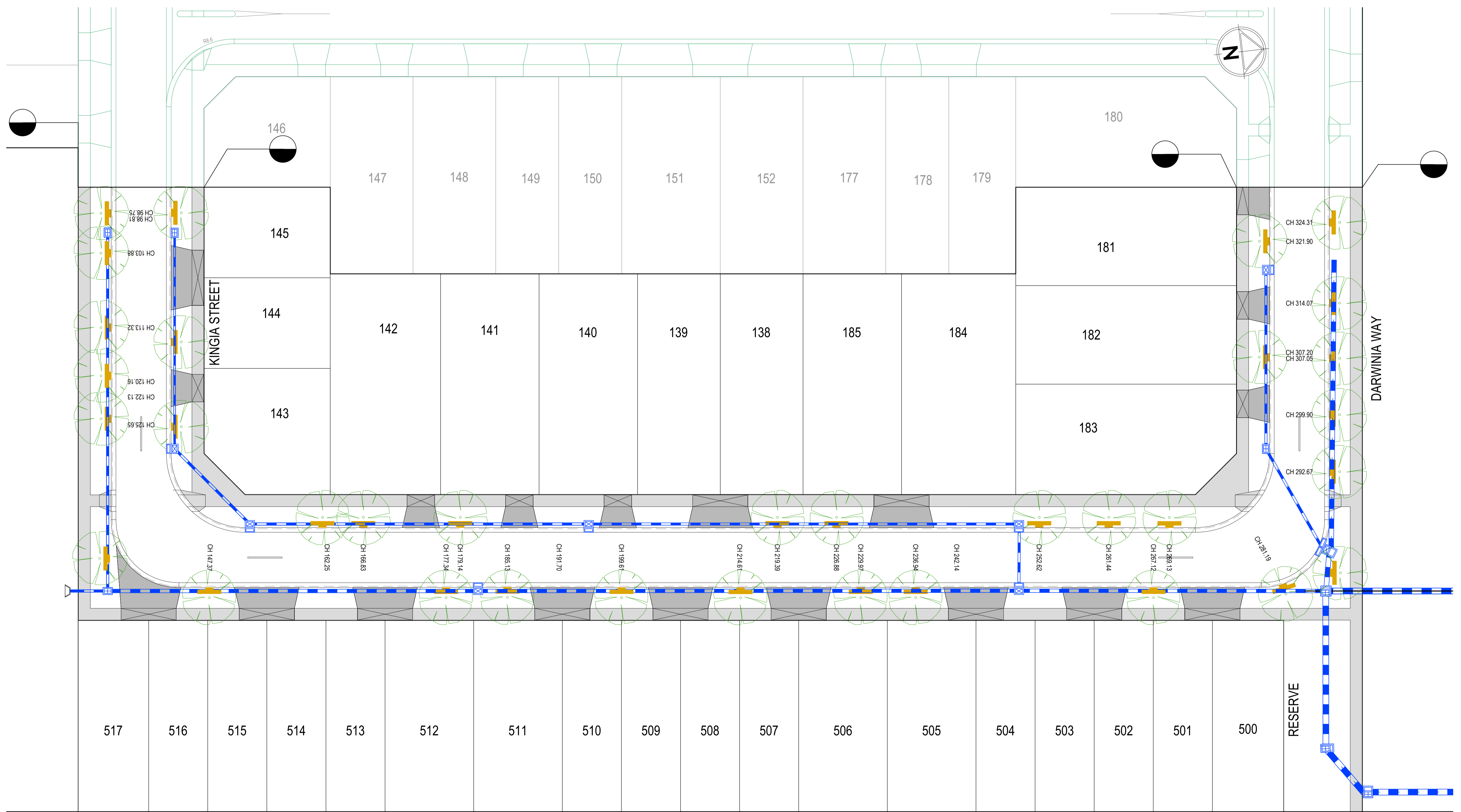
ROBINSON RISE  
 STAGE 4  
 CITY OF MELTON  
 STANDARD DETAILS  
 AND PAVEMENT DETAILS

CONSTRUCTION

128704RD10

SHEET No. 10 OF 17  
 REV. 0





  
**MELTON**  
 APPROVED  
 DETAILED ENGINEERING PLANS  
 Mangala Jayasinghe  
 ENGINEERING SERVICES  
 Date: 03/03/2023

REV.	AMENDMENTS	APP'D	DATE
0	ISSUE TO CONSTRUCTION	A.CHUDLEIGH	28.02.2023
F	RETAINING WALL, BATTERS & DRAINAGE AMENDED	A.CHUDLEIGH	28.09.2022
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B	COUNCIL COMMENTS	A.CHUDLEIGH	25.10.2021
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**ROBINSONS**  
 RISE



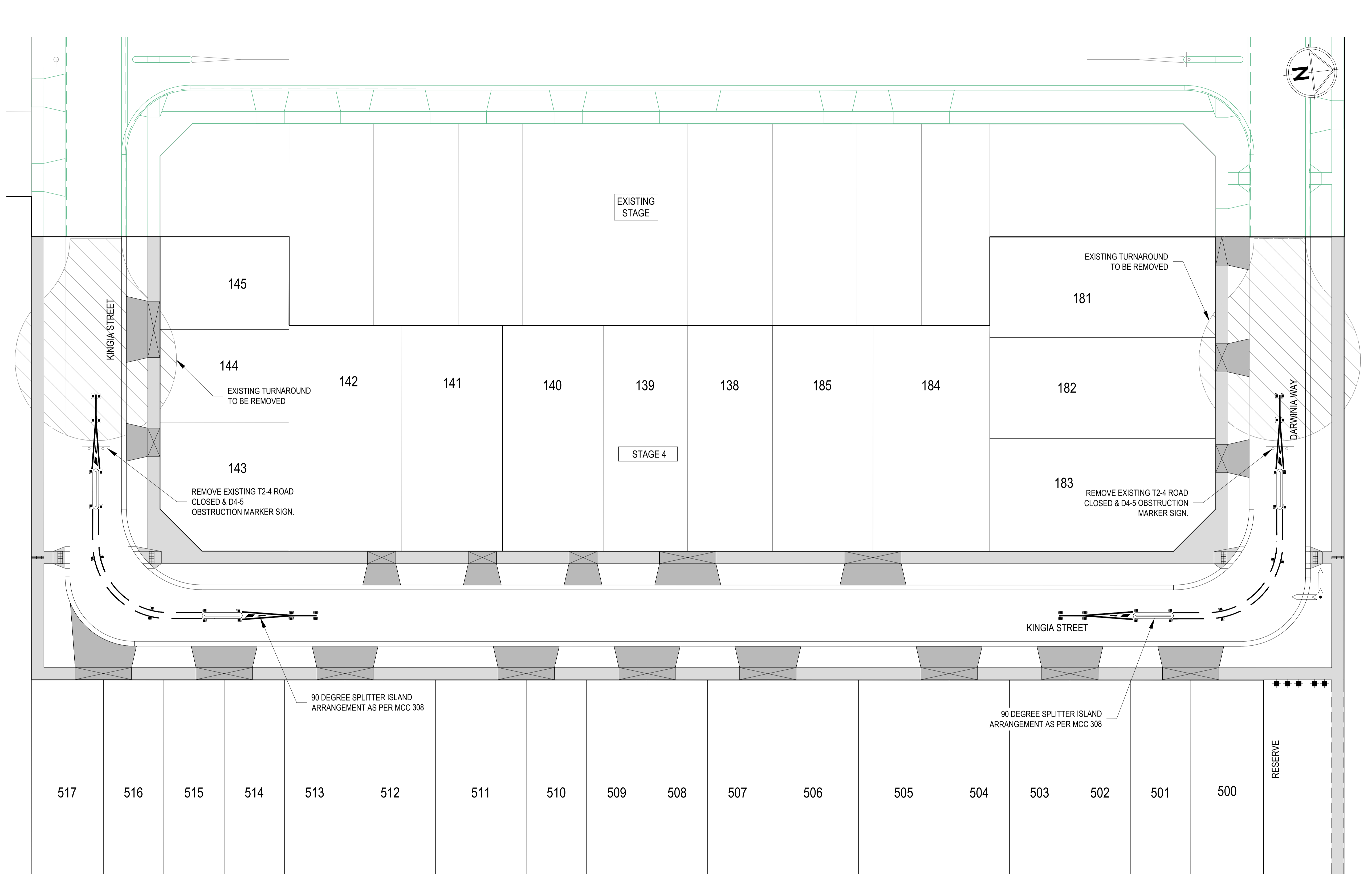
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 Vertical 0 2.5 5 7.5 10 12.5

PM	A.CHUDLEIGH
DESIGNED	12.08.2021
	E.ALLEN
CHECKED	13.09.2021
	T.BARBOR
AUTHORISED	15.09.2021
	A.CHUDLEIGH
MELWAYS	343 HB
POS No.	PS820910L
STATUS:	

**ROBINSON RISE**  
 STAGE 4  
 CITY OF MELTON  
 STREET TREE IRRIGATION  
 SITE PLAN

CONSTRUCTION 128704RD12 SHEET No. 12 OF 17  
 REV. 0



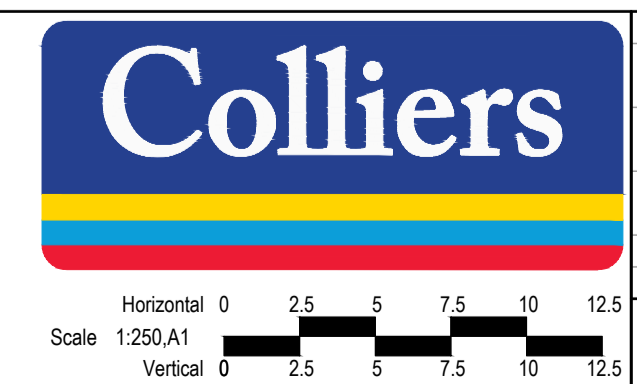


- LEGEND:**
- LINE MARKING AND RRPMS TO AS 1742.1 2014 AND 1742.2 2009. LINE MARKING TO BE INITIALLY (PRIOR TO WEARING COURSE ASPHALT) INSTALLED USING STANDARD ROAD MARKING PAINT.
  - TACTILE GROUND SURFACE (TGS) PAVERS INCLUDING SUPPLY & INSTALL WARNING AND DIRECTIONAL PAVERS AS DETAILED IN ACCORDANCE WITH AS1428.1-2009
- LINEMARKING
  - GIVEWAY LINE
  - - - - - HOLDING LINE
  - . - . - . CONTINUITY LINE
  - LANE SEPARATION
  - RRPM
  - PAVEMENT MARKINGS
  - STREET SIGNS AS PER COUNCIL STANDARDS
  - SIGN & POST (SINGLE/DOUBLE POST)
  - TGSI - HAZARD
  - TGSI - DIRECTIONAL
  - TEMPORARY CRUSHED ROCK TURNAROUND

**MELTON**  
**APPROVED**  
**DETAILED ENGINEERING PLANS**  
 Mangala Jayasinghe  
 ENGINEERING SERVICES  
 Date: 03/03/2023

REV.	AMENDMENTS	APP'D	DATE
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PM	A.CHUDLEIGH
DESIGNED	12.08.2021
E.ALLEN	
CHECKED	13.09.2021
T.BARBOR	
AUTHORISED	15.09.2021
A.CHUDLEIGH	
MELBAYS	343 H5
POST NO.	PS820910L
STATUS:	

**ROBINSON RISE**  
**STAGE 4**  
 CITY OF MELTON  
 SIGNAGE & LINEMARKING

