ARCADIS Design & Consultancy for natural and built assets

EYNESBURY TOWNSHIP

STAGE 22A CIVIL WORKS

MELTON CITY COUNCIL

DRAWING SCHEDULE

DRAWING NUMBER	DRAWING TITLE
DRG-0001	COVER SHEET AND DRAWING SCHEDULE
DRG-0002	GENERAL NOTES
DRG-0010	SAFETY IN DESIGN SHEET 1
DRG-0011	SAFETY IN DESIGN SHEET 2
DRG-0012	SAFETY IN DESIGN SHEET 3
DRG-0100	EARTHWORKS LAYOUT PLAN SHEET 1
DRG-0101	EARTHWORKS LAYOUT PLAN SHEET 2
DRG-0200	SETOUT PLAN SHEET 1
DRG-0201	SETOUT PLAN SHEET 2
DRG-0220	ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 1
DRG-0221	ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 2
DRG-0240	GYMBOWEN AVENUE (MC04) LONGITUDINAL SECTION
DRG-0241	GYMBOWEN AVENUE (MC04) CROSS SECTIONS SHEET 1
DRG-0242	GYMBOWEN AVENUE (MC04) CROSS SECTIONS SHEET 2
DRG-0243	GYMBOWEN AVENUE (MC04) CROSS SECTIONS SHEET 3
DRG-0244	CHERRYPOOL CRESCENT (MC05) LONGITUDINAL SECTION
DRG-0245	CHERRYPOOL CRESCENT (MC05) CROSS SECTIONS SHEET 1
DRG-0246	CHERRYPOOL CRESCENT (MC05) CROSS SECTIONS SHEET 2
~~DRG-0247~~	~~CHERRYPOOL CRESCENT (MC05) CROSS SECTIONS SHEET 3~~ REMOVED FROM SET
DRG-0248	OZENKADNOOK WAY (MC07) LONGITUDINAL SECTION & CROSS SECTIONS
DRG-0249	GOROKE STREET (MC09) LONGITUDINAL SECTION & CROSS SECTIONS
DRG-0250	GOROKE STREET (MC09) CROSS SECTIONS
DRG-0251	KARNAK LANE (MC10) LONGITUDINAL SECTION & CROSS SECTIONS
DRG-0252	KARNAK LANE (MC11) LONGITUDINAL SECTION & CROSS SECTIONS
DRG-0253	KARNAK LANE (MC12) LONGITUDINAL SECTION & CROSS SECTIONS
DRG-0254	KARNAK LANE (MC12) CROSS SECTIONS
DRG-0260	INTERSECTION DETAIL PLAN SHEET 1
DRG-0261	INTERSECTION DETAIL PLAN SHEET 2
DRG-0262	INTERSECTION DETAIL PLAN SHEET 3
DRG-0263	INTERSECTION DETAIL PLAN SHEET 4
~~DRG-0264~~	~~INTERSECTION DETAIL PLAN SHEET 5~~ REMOVED FROM SET
~~DRG-0265~~	~~INTERSECTION DETAIL PLAN SHEET 6~~ REMOVED FROM SET
DRG-0280	TYPICAL DETAILS
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DRG-0290	SIGNAGE AND LINEMARKING PLAN SHEET 1
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DRG-0300	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 1
DRG-0301	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 2
DRG-0302	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 3
DRG-0303	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 4
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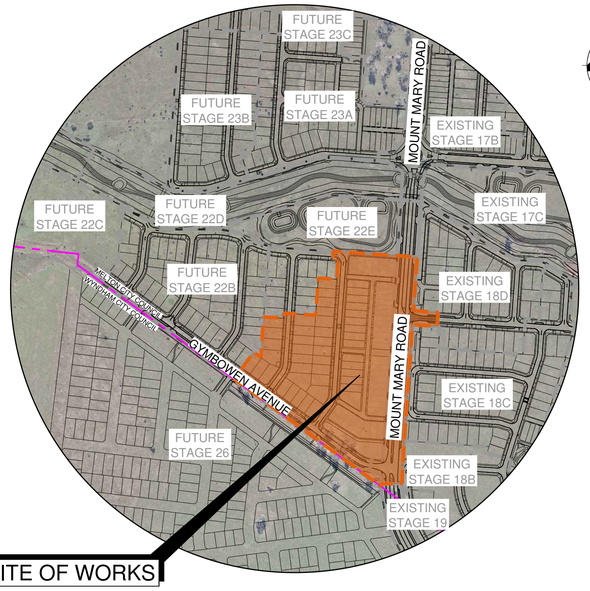
DRG-0305	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 6
DRG-0320	STORMWATER DRAINAGE PIT SCHEDULE

DRAWING SCHEDULE

DRAWING NUMBER	DRAWING TITLE
DRG-0350	STORMWATER DRAINAGE 20% AEP CATCHMENT PLAN SHEET 1
DRG-0351	STORMWATER DRAINAGE 20% AEP CATCHMENT PLAN SHEET 2
DRG-0352	STORMWATER DRAINAGE 1% AEP CATCHMENT PLAN SHEET 1
DRG-0353	STORMWATER DRAINAGE 1% AEP CATCHMENT PLAN SHEET 2
DRG-0354	STORMWATER DRAINAGE 20% AEP OVERALL CATCHMENT PLAN
DRG-0356	STORMWATER DRAINAGE 1% AEP OVERALL CATCHMENT PLAN
DRG-0360	STORMWATER DRAINAGE CALCULATION TABLES SHEET 1
DRG-0361	STORMWATER DRAINAGE CALCULATION TABLES SHEET 2
DRG-0700	PASSIVE IRRIGATION LAYOUT SHEET 1
DRG-0701	PASSIVE IRRIGATION LAYOUT SHEET 2
DRG-0702	PASSIVE IRRIGATION DETAILS



LOCALITY PLAN

N.T.S

MELWAY REF 226 B2

LEVEL DATUM	
TBM	TDS8001
E	283462.24
N	5814502.34
RL	97.28

REAL PROPERTY DESCRIPTION
LOT S181 ON PS543210K
PARISH OF MOORADORANOOK
LOCAL AUTHORITY - MELTON CITY COUNCIL

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Issue	Description	DR	CH	VE	Date
04	DESIGN CO-ORDINATION AMENDMENTS	CM	CS	IOC	18.07.23
03	RESPONSE TO COUNCIL RFI	CM	CS	SE	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
03	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

Planner: RobertsDay planning·design·place

Client: RESIMAX GROUP

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project: EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title: COVER SHEET AND DRAWING SCHEDULE

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Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0001	04

100mm on Original

Date Plotted: 28 Jul 2023 - 10:52am File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0001-Cover.dwg V1

GENERAL NOTES

1. ALL DIMENSIONS ON THE DRAWINGS ARE IN METRES UNLESS SHOWN OTHERWISE.
2. ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE GENERAL CONDITIONS OF CONTRACT, AS AMENDED.
3. THE CONTRACTOR SHALL PROVIDE A MINIMUM SEVEN (7) BUSINESS DAYS NOTIFICATION PERIOD TO COUNCIL AND ALL SERVICES PRIOR TO COMMENCEMENT OF WORKS, UNLESS NOTED OTHERWISE.
4. ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RELEVANT AUTHORITY SPECIFICATIONS AND STANDARD DRAWINGS AS APPROVED BY THE RELEVANT AUTHORITY. IN THE CASE OF DISPUTE THE SPECIFICATIONS TAKE PRECEDENCE.
5. ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE AUTHORITY APPROVED ARCADIS PROJECT DRAWINGS AND CONTRACT SPECIFICATIONS.
6. PRIOR TO COMMENCEMENT OF WORKS ON SITE, THE CONTRACTOR MUST ENSURE THAT ALL MATTERS RELATING TO OCCUPATIONAL HEALTH AND SAFETY, HAVE BEEN ADDRESSED. ALL REQUIRED NOTIFICATIONS TO BE SUBMITTED AND COMPLY WITH THE VICTORIAN WORKCOVER AUTHORITY. DETAILS OF THE CONTRACTORS OCCUPATIONAL HEALTH & SAFETY PROCEDURES TO BE LODGED WITH THE SITE ENGINEER PRIOR TO COMMENCEMENT OF WORKS.
7. ALL WORKS SHALL COMPLY WITH THE REQUIREMENTS OF THE MINES ACT 1958, THE MINES (TRENCHES) REGULATIONS 1982, THE OCCUPATIONAL HEALTH AND SAFETY ACT 2004, THE OCCUPATIONAL HEALTH AND SAFETY (MINES) REGULATIONS 2002, WORKSAFE AND ANY OTHER LEGISLATION APPLICABLE AT THE TIME OF COMMENCEMENT OF WORKS.
8. THE CONTRACTOR SHALL UNDERTAKE SERVICE PROVING OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS AND ADVISE THE CONSTRUCTION SUPERINTENDENT OF ANY DISCREPANCY WITH THE INFORMATION PROVIDED ON THE CONTRACT DRAWINGS.
9. THE DRAWINGS SHALL BE READ IN CONJUNCTION WITH OTHER CONSULTANTS PLANS, SPECIFICATIONS & OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED BY THE SUPERINTENDENT DURING THE COURSE OF THE CONTRACT.
10. NO BLASTING WORKS SHALL BE UNDERTAKEN WITHIN 4.5m OF EXISTING UTILITIES OR 15m OF ANY COMPLETED PART OF THE WORKS WITHOUT PRIOR CONSENT FROM THE SITE ENGINEER/CONSTRUCTION SUPERINTENDENT. THE CONTRACTOR SHALL OBTAIN ALL RELEVANT AUTHORITY PERMITS PRIOR TO COMMENCEMENT OF ANY BLASTING WORKS.
11. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR ANY DAMAGE INCURRED TO EXISTING UTILITY SERVICES AS A RESULT OF THE EXECUTION OF WORK UNDER THE CONTRACT.
12. NO WORK SHALL BE CARRIED OUT WITHIN 3 METRES OF ANY EXISTING SERVICES WITHOUT PRIOR RECORDED CONSULTATION WITH THE RELEVANT AUTHORITY.
13. ALL EXISTING SERVICES & STRUCTURES ARE TO BE MAINTAINED IN GOOD ORDER FOR THE DURATION OF THE CONTRACT & WHERE RELOCATION IS REQUIRED, REFER SPECIFICATION.
14. COUNCIL AND SUPERINTENDENT TO BE NOTIFIED SEVEN (7) BUSINESS DAYS PRIOR TO COMMENCEMENT OF WORKS.
15. CONTRACTOR SHALL MEET THE REQUIREMENTS OF THE CULTURAL MANAGEMENT PLAN FOR THIS STAGE.
16. ALL AREAS DISTURBED AS RESULT OF CONNECTION TO EXISTING UTILITY SERVICES, ROADWAYS AND ADJOINING PROPERTIES SHALL BE REINSTATED AS PART OF THE WORKS.
17. ALL NEW WORKS SHALL MATCH NEATLY TO EXISTING AND TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT.

SURVEY NOTES

1. THE EXISTING SITE CONDITIONS AND UTILITY SERVICES INFORMATION SHOWN HAS BEEN COMPILED FROM SURVEY INFORMATION SUPPLIED BY OTHERS. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. ARCADIS DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS.
2. THE INFORMATION IS NOT INTENDED TO PROVIDE THE CONTRACTOR WITH COMPLETE OR ACCURATE INFORMATION CONCERNING THE LOCATION & EXTENT OF UTILITY SERVICES.
3. THE CONTRACTOR SHALL VERIFY THE LOCATION, DEPTH & EXTENT OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF WORK.
4. 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.
5. SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, THE CONTRACTOR SHALL CONTACT THE CONSTRUCTION SUPERINTENDENT.
6. ALL HIGH STABILITY PSM'S ARE TO BE TO MGA COORDINATES & LEVELLED BY A LICENSED SURVEYOR WITH RESULTS FORWARDED TO COUNCIL.
7. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM AND ALL COORDINATES ARE TO MAP GRID OF AUSTRALIA (MGA) ZONE 55 UNLESS NOTED OTHERWISE.
8. TBM'S TO BE RE-ESTABLISHED BY THE LICENSED SURVEYOR IF FOUND TO BE MISSING AT THE COMMENCEMENT OF CONSTRUCTION.
9. SHOULD ANY MARKS BE DISTURBED, THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE DEVELOPER'S CONSULTANT TO ARRANGE RE-INSTATEMENT AT THE CONTRACTORS EXPENSE.
10. THE CONTRACTOR MUST COMPLETE A LEVEL CHECK BETWEEN ALL TBM'S TO VERIFY LEVEL VALUES BEFORE COMMENCEMENT OF WORKS.

WORKING IN CLOSE PROXIMITY TO OVERHEAD ELECTRICAL POWERLINES NOTES

1. THE CONTRACTOR SHALL TAKE CARE WHEN UNDERTAKING WORKS WITHIN CLOSE PROXIMITY TO OVERHEAD POWERLINES AND SHALL CONDUCT WORKS IN ACCORDANCE WITH AUTHORITY REQUIREMENTS.
2. THE CONTRACTOR SHALL PROVIDE A MINIMUM TEN (10) BUSINESS DAYS NOTIFICATION PERIOD TO THE AUTHORITY PRIOR TO COMMENCEMENT OF WORKS.
3. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO COMMENCEMENT OF WORKS WITH ANY ADDITIONAL SAFETY PRECAUTIONS INCLUDED WITHIN THE CONTRACTORS SAFE WORK METHOD STATEMENT FOR THE WORKS AND COMMUNICATED TO THE CONSTRUCTION SUPERINTENDENT.
4. ALL WORKS WITHIN CLOSE PROXIMITY TO EXISTING POWERLINES SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE AUTHORITIES NO GO ZONE REQUIREMENTS AND THAT THE CONTRACTOR AND SUB-CONTRACTORS HAVE MET THIS REQUIREMENTS INCLUDING PROVISION OF A SPOTTER IF REQUIRED.
5. ANY VEHICLES OR EQUIPMENT EXCEEDING 3.0m MAXIMUM OPERATING HEIGHT ARE NOT PERMITTED TO UNDERTAKE WORKS UNDER POWERLINES UNLESS WRITTEN APPROVAL IS OBTAINED FROM THE AUTHORITY FOR A GREATER OPERATING HEIGHT LIMIT. AN INCREASE TO THE OPERATING HEIGHT LIMIT IS SUBJECT TO ACHIEVING ADEQUATE CLEARANCE TO CONDUCTORS.
6. THE FOLLOWING ARE NOT PERMITTED UNDER EXISTING POWERLINES:
   - MAINTENANCE OR REFUELING OF VEHICLES AND EQUIPMENT
   - STORAGE AND HANDLING OF FLAMMABLE LIQUIDS OR GASES
   - STOCKPILING OF EXCAVATED MATERIAL IS NOT PERMITTED UNDER POWERLINES
   - CONTRACTOR SITE COMPOUND, STORAGE AREAS AND VEHICLE CAR PARKING POWERLINES.
7. ALL STORMWATER PITS, REINFORCED CONCRETE PIPES, REINFORCED CONCRETE BOX CULVERTS AND ANY OTHER EXPOSED STEEL SHALL BE COMPLETELY SECTIONALISED AND ISOLATED AS DIRECTED BY THE CONSTRUCTION SUPERINTENDENT FOR WORKS WITHIN 30m OF AN EXISTING OR PROPOSED ELECTRICAL TOWER
8. REINFORCED CONCRETED PIPES AND BOX CULVERTS THAT HAVE BEEN CUT AND HAVE EXPOSED STEEL ARE ONLY PERMISSIBLE WITHIN STORMWATER PITS WITH ALL EXPOSED STEEL TO BE COMPLETELY SECTIONALISED AND ISOLATED

WORKING IN CLOSE PROXIMITY TO GAS TRANSMISSION PIPELINES NOTES

1. THE CONTRACTOR SHALL TAKE CARE WHEN UNDERTAKING WORKS WITHIN CLOSE PROXIMITY TO GAS TRANSMISSION PIPELINES AND SHALL CONDUCT WORKS IN ACCORDANCE WITH AUTHORITY REQUIREMENTS.
2. THE CONTRACTOR SHALL PROVIDE A MINIMUM FORTY-EIGHT (48) HOURS NOTIFICATION PERIOD TO THE AUTHORITY PRIOR TO COMMENCEMENT OF PROVING AND / OR CONSTRUCTION TO ALLOW ARRANGEMENTS FOR A CORPORATION INSPECTOR TO ATTEND SITE DURING THE WORKS.
3. PROVING SHALL BE UNDERTAKEN BY HAND AND UNDER THE SUPERVISION OF A CORPORATION INSPECTOR.
4. UPON COMPLETION OF SERVICE PROVING THE CONTRACTOR SHALL SUPPLY PROVING INFORMATION TO THE CONSTRUCTION SUPERINTENDENT FOR REVIEW AND CONFIRMATION IN ACHIEVING THE FOLLOWING MINIMUM CLEARANCES;
   - 300mm TOP OF PIPELINE TO UNDERSIDE OF ROAD PAVEMENT BOXING
   - 1.2m TOP OF PIPELINE TO FINISHED SURFACE LEVELS
   - 300mm BETWEEN PIPELINE AND INSTALLATION OF EQUIPMENT $\leq$ 1.5m WIDE CROSSING PERPENDICULAR TO THE PIPELINE
   - 500mm BETWEEN PIPELINE AND INSTALLATION OF EQUIPMENT > 1.5m WIDE CROSSING PERPENDICULAR TO THE PIPELINE
   - 500mm BETWEEN PIPELINE AND INSTALLATION OF EQUIPMENT PARALLEL TO THE PIPELINE
4. THE CONTRACTOR SHALL ENSURE THAT THE MINIMUM CLEARANCES ARE ACHIEVED ONSITE.
5. NO MECHANICAL EQUIPMENT SHALL BE USED WITHIN 1.0m OF THE PIPELINE AT ALL TIMES EXCEPT FOR BORING OPERATIONS.
6. WHEN UNDERTAKING BORING OPERATIONS, HAND EXCAVATION ADJACENT TO THE PIPELINE IS REQUIRED 1.0m FROM THE SIDE FROM THE PIPELINE FROM WHICH THE BORE WILL APPROACH. THE AUGER IS TO BE CHECKED WHEN IT REACHES THIS EXCAVATION TO ENSURE THAT THE REQUIRED MINIMUM CLEARANCE IS MAINTAINED BETWEEN THE BORE AND THE PIPELINE.
7. EXTREME CAUTION IS REQUIRED FOR ANY BLASTING BEING CARRIED OUT WITHIN CLOSE PROXIMITY TO THE PIPELINE AND SHALL BE UNDERTAKEN UNDER SUPERVISION OF A CORPORATION INSPECTOR. BLASTING RESTRICTIONS MUST BE IN ACCORDANCE WITH SAA EXPLOSIVES CODE 2187, AND ONLY MODIFIED AFTER EXPLICIT AGREEMENT WITH A CORPORATION ENGINEER.

SITE DEMOLITION & CLEARING NOTES

1. CONTRACTOR SHALL CONFIRM WITH THE CONSTRUCTION SUPERINTENDENT OF ANY REQUIREMENTS FOR AN AUTHORISED SPOTTER-CATCHER OR ARBORIST TO BE ON SITE PRIOR TO THE COMMENCEMENT OF & DURING THE CLEARING WORK.
2. ANY CLEARING REQUIRED TO BE UNDERTAKEN BY THE CONTRACTOR IS TO BE STRICTLY IN ACCORDANCE WITH THE APPROVED ENVIRONMENTAL MANAGEMENT PLAN.
3. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS AS OUTLINED WITHIN THE ENVIRONMENTAL PROTECTION AUTHORITY VICTORIA PUBLICATION 'CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL' DURING ALL PHASES OF CONSTRUCTION.
4. EROSION & SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED PRIOR TO COMMENCEMENT OF CLEARING & GRUBBING WORKS.
5. CONTRACTOR TO PROVIDE ADEQUATE PROTECTION AGAINST SILT RUNOFF FROM THE SITE AS PART OF THEIR ENVIRONMENTAL MANAGEMENT PLAN (EMP).
6. A TEMPORARY 1.5M HIGH POST & WIRE FENCE SHALL BE ERECTED AND MAINTAINED AROUND EXISTING TREES, NOMINATED TO BE RETAINED AS PER A TREE PROTECTION ZONE (TPZ) CONDITION, AT ALL TIMES DURING CONSTRUCTION. UNDER NO CIRCUMSTANCES SHALL SITE SHEDS, VEHICLES, MACHINERY AND EQUIPMENT BE STORED OR PLACED WITHIN FENCED ZONE OF THESE TREES. FENCE TO BE INSTALLED PRIOR TO THE PRE START MEETING WITH COUNCIL.
7. NO NATIVE VEGETATION SHALL BE DESTROYED, FELLED, LOPPED RING BARKED OR UPROOTED WITHOUT THE CONSENT OF THE MUNICIPAL ENGINEER OR HIS REPRESENTATIVE.
8. THE AREA WITHIN THE LIMITS OF CLEARING SHALL BE CLEARED OF ALL VEGETATION, ALL MINOR MAN-MADE STRUCTURES (SUCH AS FENCES, BUILDING MATERIAL & EXISTING DRIVEWAYS), ALL RUBBISH & OTHER MATERIALS WHICH, IN THE OPINION OF THE SUPERINTENDENT, ARE UNSUITABLE FOR USE IN THE WORKS WITH THE EXCEPTION OF CERTAIN TREES MARKED FOR PRESERVATION.
9. PRIOR TO REMOVAL, TREES ARE TO BE MARKED BY CONTRACTOR AND APPROVED BY THE CONSTRUCTION SUPERINTENDENT AND COUNCIL REPRESENTATIVE.
10. TREES ARE TO BE MULCHED & STOCKPILED ON SITE FOR USE IN LANDSCAPING.
11. WHERE PARTS OF TREES CANNOT BE MULCHED, THEY ARE TO BE DISPOSED OF OFF-SITE AT AN APPROVED FACILITY.
12. ON COMPLETION THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL BUILDING WASTE, RUBBISH AND SPOIL FROM THE SITE. NO SURPLUS TREES, VEGETATION OR OTHER MATERIALS IS TO BE BURNT ON SITE.

EARTHWORKS NOTES

1. ALL WORK SHOULD BE UNDERTAKEN IN ACCORDANCE WITH AS 3798-2007 GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS AND UNDER LEVEL 1 SUPERVISION.
2. THE CONTRACTOR IS TO FENCE LIMIT PRIOR TO PRE START MEETING WITH COUNCIL.
3. EROSION & SEDIMENT CONTROL MEASURES ARE TO BE MAINTAINED DURING EARTHWORKS.
4. TOPSOIL SHOULD BE STRIPPED AND STOCKPILED FROM ALL AREAS WHERE EARTHWORKS ARE TO BE CONDUCTED. BEFORE COMPLETING THE SITE WORKS, TOPSOIL SHOULD BE PLACED AND REHABILITATED TO REPLICATE THE PREDEVELOPMENT DEPTHS AS APPROPRIATE.
5. DESIGN LEVELS GIVEN ARE FINISHED SURFACE LEVELS INCLUSIVE OF TOPSOIL.
6. REFER TO ROAD CROSS SECTIONS FOR BATTER GRADES. BATTER GRADES OF MAXIMUM 1 IN 6 SHALL BE ADOPTED WHERE GRADES ARE NOT SPECIFIED.
7. NOTWITHSTANDING THE LIMITS OF CUTTING & FILLING SHOWN ON THE DRAWINGS, THE ACTUAL LIMITS SHALL BE DETERMINED ON SITE BY THE CONSTRUCTION SUPERINTENDENT DURING CONSTRUCTION. FINISHED SURFACE CONTOURS MAY BE ADJUSTED BY WRITTEN DIRECTION OF THE ENGINEER DURING CONSTRUCTION.
8. WHERE FILL EXCEEDS 300mm THE FILL SHALL BE COMPACTED IN ACCORDANCE WITH THE REQUIREMENTS OF TABLE 204.131 COMPACTION REQUIREMENTS SCALE C OF VICROADS SPECIFICATION AND TRIMMED AND SHAPED TO MATCH EXISTING SITE LEVELS, EXCEPT IN AREAS NOMINATED FOR SOFT LANDSCAPING. GEOTECHNICAL TEST RESULTS AND LEVEL 1 SUPERVISION CERTIFICATION TO BE SUBMITTED TO COUNCIL'S ENGINEERING DEPARTMENT FOR APPROVAL.
9. ALL FILL PLACED ON THE SITE IS TO COMPRISE OF ONLY NATURAL EARTH & ROCK & IS TO BE FREE OF ALL CONTAMINANTS (REFER TO THE ENVIRONMENTAL PROTECTION ACT 1994 SECTION 11). NO DEMOLITION MATERIAL SHALL BE USED UNLESS NOTED ON THE DRAWINGS AND PROJECT SPECIFICATION OR APPROVED BY THE CONSTRUCTION SUPERINTENDENT AND COUNCIL.
10. ALL RETAINING WALL SUBSURFACE DRAINAGE SHALL ACHIEVE LEGAL POINT OF DISCHARGE TO STORMWATER DRAINAGE INFRASTRUCTURE.
11. THE CONTRACTOR SHALL OBTAIN COUNCIL APPROVAL FOR THE REMOVAL AND DISPOSAL OF ANY EXCAVATED MATERIAL OR TOPSOIL NOT BEING RETAINED ONSITE.
12. ALL ALLOTMENTS AND RESERVES SHALL BE SMOOTHED, GRADED AND SHAPED TO AN EVEN SURFACE AND BE FREE DRAINING.
13. ALL AREAS DISTURBED AS PART OF THE WORKS SHALL BE RESURFACED WITH A MINIMUM 100mm THICK LAYER OF TOPSOIL UNLESS NOTED OTHERWISE AND ADEQUATELY STABILISED IN ACCORDANCE WITH THE LANDSCAPE DRAWINGS. IN THE ABSENCE OF A NOMINATED METHOD, TURF SHALL BE ADOPTED.

ROADWORKS NOTES

1. CHAINAGES TO ROADWAYS AND DRAINAGE CHANNELS ARE MEASURED ALONG THE CONTROL LINE / CENTRELINE UNLESS NOTED OTHERWISE.
2. CHAINAGES AND RADII TO CUL-DE-SAC HEADS AND KERB RETURNS ARE TO LIP OF KERB UNLESS NOTED OTHERWISE.
3. THE CONTRACTOR SHALL OBTAIN ANY ROAD OPENING PERMIT PRIOR TO UNDERTAKING ANY WORKS WITHIN AN EXISTING ROADWAY INCLUSIVE OF ANY REQUIRED TRAFFIC MANAGEMENT PLANS.
4. THE CONTRACTOR SHALL ERECT TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE APPROVED TRAFFIC MANAGEMENT PLAN.
5. THE ROAD PAVEMENT ADOPTED WILL BE DETERMINED BY THE GEOTECHNICAL ENGINEER AND APPROVED BY COUNCIL. THIS PAVEMENT SHALL BE BASED ON SOIL TEST TAKEN AT SUBGRADE LEVEL. ANY VARIATIONS TO THE NOMINAL PAVEMENT THICKNESS WILL BE PAID AT THE RATES SHOWN IN THE TENDER SCHEDULE.
6. SUBGRADE SHALL BE COMPACTED 97% DRY DENSITY OF THE MAXIMUM FOUND IN STANDARD COMPACTION TEST IN AREAS OF CUT TO A DEPTH OF 150mm AND IN AREAS OF FILL TO A DEPTH OF 450mm.
7. RELATIVE COMPACTION OF CRUSHED ROCK WITHIN PAVEMENTS SHALL BE UNDERTAKEN AT THE OPTIMUM MOISTURE CONTENT TO A DRY DENSITY (BASED ON THE PERCENTAGE OF THE MAXIMUM DRY DENSITY OBTAINED IN THE MODIFIED COMPACTION TEST) AS FOLLOWS;
   - 0-100mm BELOW TOP OF BASE, RELATIVE COMPACTION OF 100%
   - 100-300mm BELOW TOP OF BASE, RELATIVE COMPACTION OF 98%
   - >300mm BELOW TOP OF BASE, RELATIVE COMPACTION OF 97%.
8. THE NATURE STRIPS AND CUT OR FILLED AREAS ARE TO BE TOPSOILED WITH 100mm OF APPROVED MATERIAL.
9. THE CONTRACTOR SHALL COORDINATE WITH ALL SUBCONTRACTORS AND AUTHORITIES ENSURE THAT ALL SERVICES ARE INSTALLED PRIOR TO INSTALLATION OF THE FINAL PAVEMENT COURSE.
10. SUBSOIL DRAINS SHALL BE PROVIDED UNDER ALL KERBS IN ACCORDANCE WITH AUTHORITY STANDARDS.
11. SUBSOIL DRAIN LOCATION & EXTENTS SHALL BE DETERMINED ON SITE BY THE SITE ENGINEER / SUPERINTENDENT.
12. ROAD CROSSING CONDUITS LOCATIONS ARE SUBJECT TO CHANGE. THE CONTRACTOR SHALL SEEK WRITTEN CLARIFICATION FROM THE CONSTRUCTION SUPERINTENDENT REGARDING ANY CHANGES TO THE ROAD CROSSING CONDUITS PRIOR TO INSTALLATION.
13. ALL ROAD CROSSING CONDUITS SHALL BE INSTALLED TO THE RELEVANT AUTHORITY STANDARDS.
14. KERB MARKERS ARE TO BE INSTALLED TO THE KERB FACE ABOVE UTILITY CONDUIT LOCATIONS AND UNDERGROUND STORMWATER CONNECTIONS IN ACCORDANCE WITH AUTHORITY REQUIREMENTS.
15. BACKFILL TO ALL UTILITY SERVICING TRENCHES WITHIN ROAD RESERVE SHALL BE 20mm CLASS 3 CRUSHED ROCK COMPACTED TO A DRY DENSITY NOT LESS THAN 97% OF THE
    MAXIMUM FOUND IN THE STANDARD COMPACTION TEST FOR THE FOLLOWING;
    - BENEATH THE ROAD PAVEMENT OR DRIVEWAY CROSSOVER TO THE UNDERSIDE OF THE CROSS PAVEMENT
    - ADJACENT TO THE KERBING OR CONCRETE WORKS TO A LEVEL THAT IS NOT AFFECTED BY A 45 DEGREE ANGLE OR REPOSE FROM NEAR THE LOWER EDGE.
19. ALL FOOTPATHS SHALL BE MINIMUM 1.50m WIDE UNLESS NOTED OTHERWISE AND CONSTRUCTED IN ACCORDANCE WITH AUTHORITY STANDARDS INCLUDING A MINIMUM OF 50mm MECHANICALLY COMPACTED 20mm CLASS 3 CRUSHED ROCK OR CLASS 3 CRUSHED CONCRETE . FOR AREAS IN FILL, CRUSHED ROCK SHALL EXTEND DOWN TO THE EXISTING NATURAL SURFACE IN ACCORDANCE WITH AUTHORITY STANDARDS.
20. ALL DRIVEWAYS TO BE CONSTRUCTED IN ACCORDANCE WITH AUTHORITY STANDARDS AND SHALL BE OFFSET 0.75m FROM SIDE BOUNDARY OR EASEMENT UNLESS NOTED OTHERWISE.
21. ALL DRIVEWAYS AND PRAM RAMPS SHALL BE LOCATED A MINIMUM 1.0m FROM STORMWATER PITS.
22. ALL PRAM RAMPS SHALL BE LOCATED A MINIMUM OF 2.0m FROM DRIVEWAYS.

STORMWATER DRAINAGE NOTES

1. ALL REINFORCED CONCRETE DRAINAGE PIPES SHALL BE CLASS 2 UNLESS NOTED OTHERWISE. PIPE CLASSIFICATION TO INCREASE WHERE LESS THAN 600mm COVER IS ACHIEVED TO PAVEMENT SUBGRADE LEVEL. CONTRACTOR TO CONFIRM PIPE CLASS DURING TENDER.
2. ALL DRAINAGE PIPES SHALL BE RUBBER RING BELLED SOCKET JOINTS (RRJ) UNLESS NOTED OTHERWISE.
3. ALL DRAINAGE TRENCHES TO BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH AUTHORITY STANDARDS.
4. EXPOSURE CLASSIFICATION FOR ALL REINFORCED CONCRETE BOX CULVERTS SHALL MEET THE EXPECTED ENVIRONMENTAL CONDITIONS AS OUTLINED WITHIN AS3600 TABLE 4.3. CONTRACTOR TO CONFIRM EXPOSURE CLASSIFICATION DURING TENDER.
5. CAST INSITU BASE SLABS SHALL BE USED FOR ALL REINFORCED CONCRETE BOX CULVERTS UNLESS NOTED OTHERWISE. CONTRACTOR TO CONFIRM ALLOWANCE FOR CAST INSITU BASE SLABS DURING TENDER.
6. STORMWATER DRAINAGE PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN ASSESSED IN ACCORDANCE WITH AS.3725-2007, LOADS ON BURIED PIPES.
7. CONCRETE PIPES DAMAGED DUE TO CONSTRUCTION LOADS SHALL BE REPLACED AT THE CONTRACTOR'S COST.
8. DRAINAGE PITS SHALL BE CAST MONOLITHICALLY WITH CEMENT RENDER ONLY USED FOR DEFECT REPAIRS.
9. WHERE THE DROP THROUGH A STORMWATER PIT IS LESS THAN 50mm THE CONTRACTOR SHALL PROVIDE HALF HEIGHT CONCRETE BENCHING IN ACCORDANCE WITH AUTHORITY STANDARDS.
10. CONTRACTOR IS TO VERIFY ALL FINISHED SURFACE LEVELS OF PROPOSED STORMWATER PITS BEFORE CONSTRUCTING TO FINISHED LEVELS.
11. ALL STORMWATER PIT COVERS AND GRATES SHALL BE IN ACCORDANCE WITH AUTHORITY STANDARDS.
12. ALL PROPERTY INLET CONNECTIONS TO DRAINAGE INFRASTRUCTURE WITHIN COUNCIL ROAD RESERVE SHALL BE CONSTRUCTED IN ACCORDANCE WITH AUTHORITY STANDARDS
13. ALL PROPERTY INLET CONNECTIONS WITHIN PRIVATE PROPERTY SHALL BE LOCATED 1.0m FROM THE LOW SIDE BOUNDARY UNLESS NOTED OTHERWISE AND INSTALLED AT A MINIMUM DEPTH OF 400mm OR AS SPECIFIED WITHIN AUTHORITY STANDARDS.

SIGNAGE & LINEMARKING NOTES

1. THE CONTRACTOR SHALL CONFIRM THE ROAD NAMES WITH THE CONSTRUCTION SUPERINTENDENT PRIOR TO ORDERING OF STREET NAME SIGNAGE.
2. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ANY NECESSARY TEMPORARY SIGNAGE AND LINE MARKING IN ACCORDANCE WITH THE APPROVED TRAFFIC MANAGEMENT INCLUDING REINSTATEMENT AT THE COMPLETION OF THE WORKS.
3. ALL SIGNAGE, LINEMARKING & REFLECTORISED PAVEMENT MARKERS ARE TO BE IN ACCORDANCE WITH AS1742 PARTS 1-15 AND THE VICROADS TRAFFIC ENGINEERING MANUAL VOLUMES 1 AND 2.
4. ALL TRAFFIC SIGNS TO BE SIZE 'B' UNLESS NOTED OTHERWISE.
5. THE CONTRACTOR SHALL SUPPLY AND ERECT ALL STREET SIGNAGE IN ACCORDANCE WITH THE AUTHORITY STANDARDS.
6. ALL SIGNAGE TO BE MADE REDUNDANT ARE TO BE REMOVED FROM SITE OR RELOCATED AS SHOWN ON THE DRAWINGS.
7. FINAL SIGN LOCATIONS TO BE DETERMINED ON SITE BY THE SUPERINTENDENT AND COUNCIL REPRESENTATIVE.
8. EXISTING LINEMARKING MADE REDUNDANT BY NEW LINEMARKING IS TO BE REMOVED BY HIGH PRESSURE WATER BLASTING OR OTHER METHOD APPROVED BY THE AUTHORITY.
9. ALL LINEMARKING TO BE LONG LIFE THERMOPLASTIC REFLECTORISED WHITE PAINT UNLESS NOTED OTHERWISE.
10. GUIDEPOSTS TO BE INSTALL IN ACCORDANCE WITH AUTHORITY STANDARDS.
11. ALL TACTILE GROUND SURFACE INDICATORS SHALL BE INSTALLED IN ACCORDANT WITH AS1428.4.1.

Issue	Description	DR	CH	VE	Date
02	UPDATES FOR REGISTRATION OF ENGINEERS	CM	CS	IOC	12.07.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

Planner: RobertsDay planning·design·place

Client: RESIMAX GROUP

Status: FOR APPROVAL
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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project: EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title: GENERAL NOTES

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Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0002	02

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ARCADIS

SAFETY IN DESIGN REGISTER

PROJECT	Eynesbury Township Pty Ltd
LOCATION	Eynesbury Township
PROJECT NUMBER	10029435
PROJECT DESCRIPTION	xxxx

Risk ID No.	Design Phase	Discipline	Phase of Project		Hazard/ Aspect	Risks/ Opportunities/ Impacts	Risk: Probability/ Likelihood		Risk: Consequence/ Benefit/ Impact		Risk: Level	Proposed Controls (to mitigate or avoid - include reference to any standards or code used)	Mitigated Risk / Opportunity: Probability/ Likelihood		Mitigated Risk / Opportunity: Consequence/ Benefit/ Impact		Mitigated Risk / Opportunity: Level	Likely Risk Entity	Comment
DD1	Detailed Design	Civil	Construction		Construction within the vicinity of live traffic, abutting exisiting stages	Discruptions or accident involving live traffic	1	Rare	5	Catostrophic	Medium	Provide safety barriers, traffic controls and implementation of Traffic Management Plan. TCP provided within contract.	1	Rare	3	Moderate	Low	Contractor	
DD2	Detailed Design	Civil	Construction		Moving vehicles / Physical harm from being hit by moving vehicles or vehicle strike to infrastructure	Physical harm from being hit by moving vehicles or vehicle strike to infrastructure / Fatality	2	Unlikely	3	Moderate	Medium	Approved or designated areas for pedestrians. High visibility clothing to be provided and worn on all site visits. Visitors to adhere to designated pedestrian areas. Specify trenchless construction techniques (where possible) for existing road crossings. Specify on drawings the requirement for the Contractor to prepare a traffic management plan in accordance with AS1742.3.	1	Rare	3	Moderate	Low	Contractor	
DD3	Detailed Design	Civil	Construction		Vehicle movement conflicts with utilities / clear zones / pits	Injury or vehicle accident	2	Unlikely	3	Moderate	Medium	Sequence works, Traffic control (TCP), temporary fencing or barriers to be installed. TCP provided within contract.	1	Rare	3	Moderate	Low	Contractor	
DD4	Detailed Design	Civil	Construction		Working plant (fixed or mobile)/ Physical harm from moving machinery	Physical harm from moving machinery / Fatality	2	Unlikely	4	Major	Medium	Be aware of any rules put in place by the site operator for visitors (warning signs, etc). Visitors to ensure that they are accompanied at all times while on site and that they adhere to any rules that the site operator has in place.	1	Rare	4	Major	Low	Contractor	
DD5	Detailed Design	Civil	Construction		Trench collapse / asphyxiation, crushed	Asphyxiation, crushed / fatality	2	Unlikely	4	Major	Medium	Ensure WH&S requirements for trenching / shoring are placed on the construction drawings. Minimise trench depth. Backfill to authorities requirment. Ensure contractor installs cut off drains and berms adjacent to trench to prevent storm water runoff entering the trench. Undertake works in accordance with Geotechnical report recommendations.	1	Rare	4	Major	Low	Contractor	
DD6	Detailed Design	Civil	Construction		Open trench left opened during night.	Falling from heights / Major injury	1	Rare	5	Catostrophic	Medium	Trench is backfilled each day before contractor leaves site. Contractor provides man-proof fencing around open trench areas with adequate warning of deep excavation as well as covering open trench with boards.	1	Rare	4	Major	Low	Contractor	
DD7	Detailed Design	Civil	Maintenance		Maintenance of Batters / batter is too steep to safely maintain (mower may roll) in adjacent parks	Driver of vehicle is injured (i.e. slasher rolls) / Physical injury or death and property damage.	2	Unlikely	3	Moderate	Medium	Batter complies with local government minimum standards. Batter at 1 in 6 minimum mowable. Batter steeper than 1 in 6 to be planted or landscaped. Landscaping to be low maintenance variety where possible. Maintenance Entity shall undertake works in accordance with their site specific safe work method statement.	1	Rare	3	Moderate	Low	Authority / Property Owners	
DD8	Detailed Design	Civil	Construction		Works adjacent to existing services (electricity, optic fibre, water, etc) / Damage to services, electrocution.	Existing service is struck / property damage, private property without services, physical injury or death (i.e. electrocution).	3	Possible	3	Moderate	High	Design considers clearances to mains as required by asset holders and has been approved by asset holders. The Principal Contractor shall located all existing services and ensure they are marked and protected appropriately onsite in accordance with requirements of the respective asset holder and ensure safe work method statements are undertaken and approved by any asset holders as required.	1	Rare	3	Moderate	Low	Contractor	
DD9	Detailed Design	Civil	Construction		Unstable stockpiles (including working next to dam) / Physical harm caused by moving piles of aggregate, etc	As denoted / Major injury	2	Unlikely	3	Moderate	Medium	Warning signs. Site rules. Visitors to remain within the site's designated areas at all times and to refrain from climbing onto stockpiles. Contractor to monitor water levels and sins of failure in adjacent and/or upstream dams.	1	Rare	3	Moderate	Low	Contractor	
DD10	Detailed Design	Civil	Construction		Stormwater Runoff / Sediment and Erosion of earthwork areas	Sedimentation of stormwater infrastructure and creeks as well as erosion of batters / environmental harm, conveyance of stormwater infrastructure compromised	3	Possible	2	Minor	Medium	Principal Contractor shall implement and maintain erosion and sediment control in accordance with current guidelines prior to, during and after construction.	1	Rare	1	Insignificant	Low	Contractor	
DD11	Detailed Design	Civil	Construction		Raw sewage / Construction personnel in contact with raw sewage	Infection / Major injury	2	Unlikely	3	Moderate	Medium	Ensure live sewer connection works are accurately planned and performed in accordance with relevant standards. Ensure sufficient time is available to perform "live connection" works. Visitors to remain outside of designated live works area.	1	Rare	3	Moderate	Low	Contractor	
Retaining Walls																			
DD13	Detailed Design	Civil	Construction		Height and fall hazards during construction / comissioning involving Retaining walls, alignment	Injury falling from a height	2	Unlikely	3	Moderate	Medium	Temporary / permanent fencing or barriers to be installed at the top of the retaining wall. Provide fencing (at heights) during design process.	1	Rare	3	Moderate	Low	Contractor	
DD14	Detailed Design	Civil	Operations		Height / Fall hazards involving Retaining walls	Injury falling from a height	2	Unlikely	3	Moderate	Medium	Temporary / permanent fencing or barriers to be installed at the top of the retaining wall.	1	Rare	3	Moderate	Low	Property Owner	
DD15	Detailed Design	Civil	Construction		Batter and adjacent retaining wall Stability / Batters collapse	Batter or retaining wall fails / death	2	Unlikely	3	Moderate	Medium	Design and geotechnical reporting has been undertaken in accordance with Council requirements. The constrictor shall implement a safe work method statement, design, undertake works with the required level of supervision from a geotechnical engineer and provide certifications as required.	1	Rare	3	Moderate	Low	Contractor	
Drainage																			
DD16	Detailed Design	Civil	Maintenance		Stormwater Runoff in overland flow path	Drowning / Death	2	Unlikely	3	Moderate	Medium	Overland flow calculation is accordance with authority requirement. Storm water infrastructure to be maintained by Authority to sure the designed storm water system operate as per design intent.	1	Rare	2	Minor	Low	Authority	

Issue	Description	DR	CH	VE	Date
02	UPDATES FOR REGISTRATION OF ENGINEERS	CM	CS	IOC	12.07.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

Planner: RobertsDay planning·design·place

Client: RESIMAX GROUP

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project: EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title: SAFETY IN DESIGN
SHEET 1

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Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0010	02

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Date Plotted: 28 Jul 2023 - 10:54am File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0010-SID.dwg V1

SAFETY IN DESIGN REGISTER

PROJECT	Eynesbury Township Pty Ltd
LOCATION	Eynesbury Township
PROJECT NUMBER	10029435
PROJECT DESCRIPTION	xxxx

Risk ID No.	Design Phase	Discipline	Phase of Project	Hazard/ Aspect	Risks/ Opportunities/ Impacts	Risk: Probability/ Likelihood		Risk: Consequence/ Benefit/ Impact		Risk: Level	Proposed Controls (to mitigate or avoid - include reference to any standards or code used)	Mitigated Risk / Opportunity: Probability/ Likelihood		Mitigated Risk / Opportunity: Consequence/ Benefit/ Impact		Mitigated Risk / Opportunity: Level	Likely Risk Entity	Comment
DD17	Detailed Design	Civil	Operations	Trip / falls hazards related to grated pits	Injury falling from hazard	2	Possible	2	Minor	Low	Drainage grates provided in accordance with manufacturers standards and authorities. Drainage grates bike and pedestrian friendly.	1	Possible	2	Minor	Low	Authority	
DD18	Detailed Design	Civil	Operations	Potential pit failure design that is non standard	Potential risk of vehicle or maintenance crew accident	1	Rare	3	Moderate	Low	Pits are constructed in accordance to Authority standards. Any not standard pit to be designed by qualitied structural engineer.	1	Rare	2	Minor	Low	Authority	
DD19	Detailed Design	Civil	Operations	Height / Fall hazards involving culvert endwall / headwalls / pipe	Potential risk of an accident	2	Unlikely	3	Moderate	Medium	Temporary fencing or barriers/guardrails to be installed around culverts / headwalls in accordance with authority standards, and relevant design principles. Allow for fencing in Design Process.	1	Rare	3	Moderate	Low	Authority	
DD20	Detailed Design	Civil	Operations	Hazard for children playing inside / around Culvert endwall / headwalls outlets	Potential risk of an accident	1	Rare	3	Moderate	Low	Provide grating in accordance with manufacturers standards and authorities.	1	Rare	3	Moderate	Low	Authority	
DD21	Detailed Design	Civil	Maintenance	Unsafe access for maintenace to access pits	Potential risk to maintenance crew	1	Rare	2	Minor	Low	Provide safe access arrangements and working conditions for maintenance crew, and pits design in accordance with relevant authority standards and design principles. Where possible design pit in location for easy access and outside of permanent water bodies. Locations of pits to be agreed with relevant authorities.	1	Rare	3	Moderate	Low	Authority	
DD22	Detailed Design	Civil	Maintenance	Unsafe access for maintenance to drains / culverts	Potential risk and accident involving maintenance crew	1	Rare	2	Minor	Low	Provide safe access arrangements and working conditions for maintenance crew, and pits design location in accordance with relevant authority standards and design principles.	1	Rare	3	Moderate	Low	Authority	
Sewer																		
DD23	Detailed Design	Civil	Maintenance	Unsafe access for maintenance to manholes	Potential risk and accident involving maintenance crew	2	Unlikely	3	Moderate	Medium	Provide safe access arrangements and working conditions for maintenance crew, and manhole locations in compliance with authority standards and design principles. Where possible design manhole in location for easy access.	1	Rare	3	Moderate	Low	Authority	
DD24	Detailed Design	Civil	Maintenance	Deep Sewer propety connection	Potential trench collapse during deep plumbing connection	2	Unlikely	3	Moderate	Medium	All propety connections are designed to approximate 1.3m maximum deep which allowed construction tollalance to reach maximum of 1.5m safe trench depth.	1	Rare	3	Moderate	Low	Authority	
DD25	Detailed Design	Civil	Construction	Sewer reticulation main	Potential trench collapse during construction with deep sewer	2	Unlikely	4	Major	Medium	All sewer reticulation mains are designed to main depth whenever possible. Cotractor must carry out safe trench construction method when construsting deep sewer as per industry safety requirment. Trenches must be backfilled to authorities backfiall specifications.	1	Rare	2	Minor	Low	Contractor	
Electricity																		
DD26	Detailed Design	Civil	Operations	Unsafe location of assets within clear zones	Potential risk of an accident	2	Unlikely	2	Minor	Low	Pits to be below ground and where above ground, sufficient offset from clear zones. Temporary barrier protection to be installed.Subconsultancy design has appropriate accreditations and in accordance with authority standards.	1	Rare	3	Moderate	Low	Authority	
DD27	Detailed Design	Civil	Construction	Existing services strike / electrocution / drowning	Electrocution / drowning / fatality	2	Unlikely	4	Major	Medium	Ensure all existing services are accurately shown on construction drawings. Ensure separation distances between services are in accordance with relevant standards. Contractor to verify existing survives location on site prior construction start	1	Rare	3	Moderate	Low	Contractor	
NBN																		
DD28	Detailed Design	Civil	Operations	Unsafe location of NBN design assests	Potential risk of an accident / trap hazard	2	Unlikely	2	Minor	Low	Pits to be located outside of trafficable area and located out of footpath. Authority should have traffic management plan in place to maintain asset if they are located within trafficable area. Subconsultancy design has appropriate accreditations and in accordance with authority standards.	1	Rare	3	Moderate	Low	Authority	
Water																		
DD29	Detailed Design	Civil	Operations	Unsafe location of Water assests. Ie. Within road carriageway	Potential risk of an accident during maintenance	2	Unlikely	3	Moderate	Medium	Valves & Hydrants are located outside of trafficable area to provide safe access during operations / maintenance. Authority should have traffic management plan in place to operate valves / hydrants if they are located within trafficable area . Water pits designed in accordance with authority standards.	1	Rare	3	Moderate	Low	Contractor	
Gas																		
DD30	Detailed Design	Civil	Maintenance	Unsafe location / cover of Gas and clearacne to other services	Potential risk of damage to gas main or other services	2	Unlikely	4	Major	Medium	Gas main to be designed and installed accordance to authority standards. Only approved contractor to carry out manintence works and must identify exsiting services surrounding the gas main prior any excavation.	1	Rare	4	Major	Low	Authority	

Issue	Description	DR	CH	VE	Date
02	UPDATES FOR REGISTRATION OF ENGINEERS	CM	CS	IOC	12.07.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

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Scales

Planner: RobertsDay planning·design·place

Client: RESIMAX GROUP

Status: FOR APPROVAL
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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project: EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title: SAFETY IN DESIGN
SHEET 2

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Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0011	02

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Likelihood	Consequence				
	1 **Insignificant** << $1,000 Damage	2 **Minor** << $10,000 Damage	3 **Moderate** << $100,000 Damage	4 **Major** << $1,000,000 Damage	5 **Catastrophic** >> $1,000,000 Damage
1 **Rare - (0.001%)**	**1 (Low)**	**2 (Low)**	**3 (Low)**	**4 (Low)**	**5 (Medium)**
2 **Unlikely - (0.1%)**	**2 (Low)**	**4 (Low)**	**6 (Medium)**	**8 (Medium)**	**10 (High)**
3 **Possible - (1%)**	**3 (Low)**	**6 (Medium)**	**9 (High)**	**12 (High)**	**15 (High)**
4 **Likely - (10%)**	**4 (Low)**	**8 (Medium)**	**12 (High)**	**16 (Extreme)**	**20 (Extreme)**
5 **Almost Certain - (90%)**	**5 (Medium)**	**10 (High)**	**15 (High)**	**20 (Extreme)**	**25 (Extreme)**

SAFETY AND ENVIRONMENTAL HAZARD IDENTIFICATION/RISK ASSESSMENT

LIKELIHOOD		
1	Rare	The event could occur, but it is rare / only in exceptional circumstances.
2	Unlikely	The event is unlikely to occur (though it could occur during similar work activities).
3	Possible	The event is possible to / might occur during some projects.
4	Likely	The event will probably / is likely to occur at least once during most projects.
5	Almost Certain	The event is a common occurrence on all projects.

Consequence		
1.000	Insignificant	The event could result in injury or illness not resulting in a lost work day.
2.000	Minor	The event could result in injury or illness not resulting in one or more lost work days.
3.000	Moderate	The event could result in partial disability, injuries or illness that may require hospitalisation.
4.000	Major	The event could result in permanent total disability.
5.000	Catostrophic	The event could result in fatality.

PROJECT RISK RATINGS	
1 - 4	Low
5 - 8	Medium
9 - 15	High
16-25	Extreme

Issue	Description	DR	CH	VE	Date
02	UPDATES FOR REGISTRATION OF ENGINEERS	CM	CS	IOC	12.07.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

Planner

RobertsDay planning·design·place

Client

RESIMAX GROUP

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

SAFETY IN DESIGN
SHEET 3

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Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0012	02

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LEGEND

- EXISTING SURFACE CONTOURS
- PROPOSED SURFACE CONTOURS
- PROPOSED KERB & CHANNEL
- STAGE BOUNDARY
- PROPOSED RIDGE LINE
- PROPOSED RETAINING WALL
- MUNICIPAL BOUNDARY
- EXISTING TREES TO BE RETAINED
- EXISTING TREES TO BE REMOVED

NOTE:

1. FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.
2. CUT-FILL HATCH SHOWN FROM EXISTING SURFACE TO FINISHED SURFACE.

CUT FILL DEPTH RANGE

Lower_value		Upper_value	Colour
-1.4	to	-1.3	m
-1.3	to	-1.2	m
-1.2	to	-1.1	m
-1.1	to	-1	m
-1	to	-.9	m
-.9	to	-.8	m
-.8	to	-.7	m
-.7	to	-.6	m
-.6	to	-.5	m
-.5	to	-.4	m
-.4	to	-.3	m
-.3	to	-.2	m
-.2	to	-.1	m
-.1	to	0.0	m
0.0	to	.1	m
.1	to	.2	m
.2	to	.3	m
.3	to	.4	m
.4	to	.5	m
.5	to	.6	m
.6	to	.7	m
.7	to	.8	m
.8	to	.9	m
.9	to	1	m
1	to	1.1	m
1.1	to	1.2	m
1.2	to	1.3	m
1.3	to	1.4	m

Issue	Description	DR	CH	VE	Date
03	RESPONSE TO COUNCIL RFI	CM	CS	IOC	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

N

0 10 20 30 40 50m

1 : 500

Planner

RobertsDay planning·design·place

Client

RESIMAX GROUP

Status

FOR APPROVAL
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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

EARTHWORKS LAYOUT PLAN
SHEET 1

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Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0100	03

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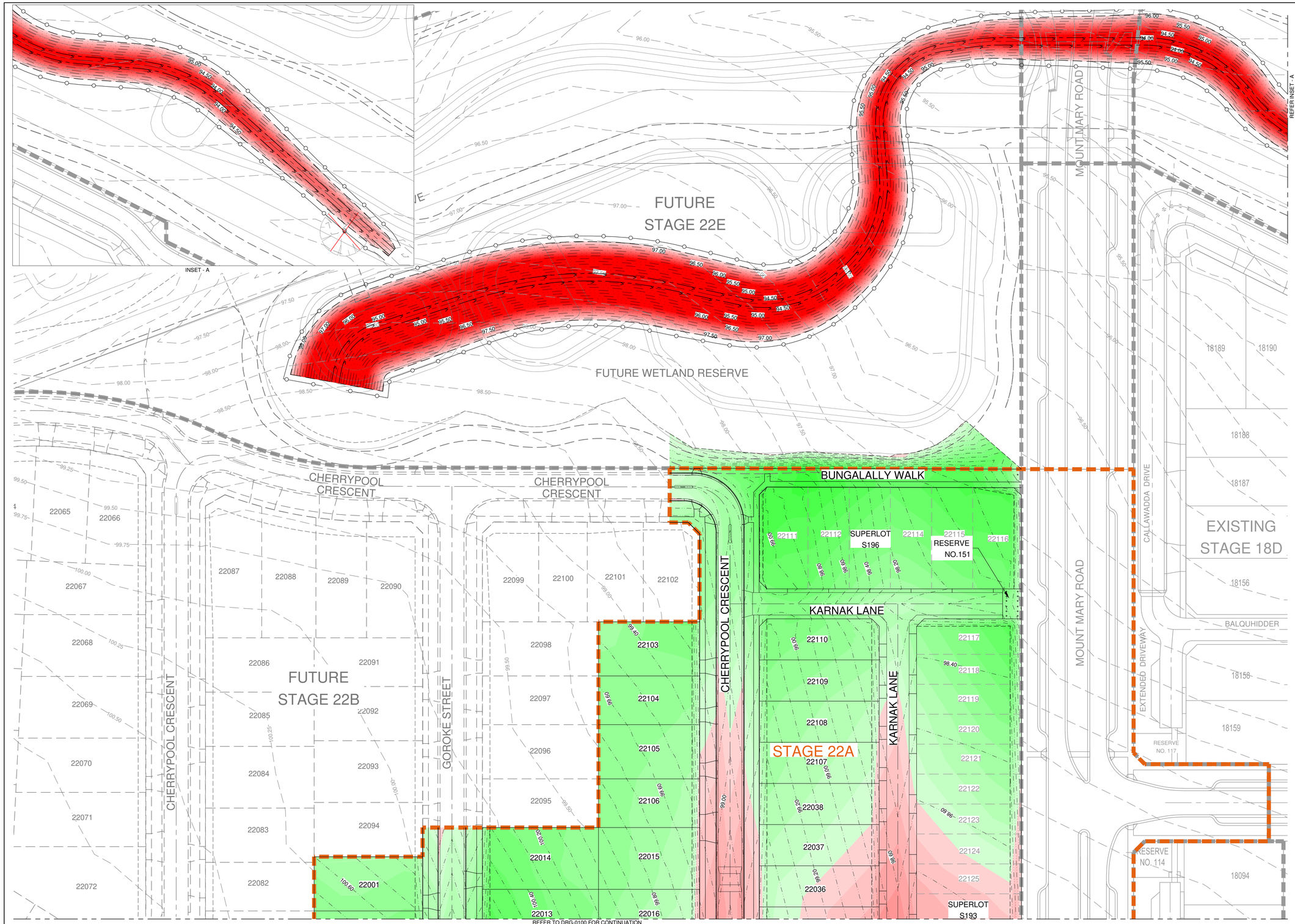
V1



LEGEND

- EXISTING SURFACE CONTOURS
- PROPOSED SURFACE CONTOURS
- PROPOSED KERB & CHANNEL
- STAGE BOUNDARY
- PROPOSED RIDGE LINE
- EXISTING TREES TO BE RETAINED
- EXISTING TREES TO BE REMOVED

NOTE:

1. FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.
2. CUT-FILL HATCH SHOWN FROM EXISTING SURFACE TO FINISHED SURFACE

CUT FILL DEPTH RANGE

Lower_value		Upper_value	Colour
-1.4	to	-1.3	m
-1.3	to	-1.2	m
-1.2	to	-1.1	m
-1.1	to	-1	m
-1	to	-.9	m
-.9	to	-.8	m
-.8	to	-.7	m
-.7	to	-.6	m
-.6	to	-.5	m
-.5	to	-.4	m
-.4	to	-.3	m
-.3	to	-.2	m
-.2	to	-.1	m
-.1	to	0.0	m
0.0	to	.1	m
.1	to	.2	m
.2	to	.3	m
.3	to	.4	m
.4	to	.5	m
.5	to	.6	m
.6	to	.7	m
.7	to	.8	m
.8	to	.9	m
.9	to	1	m
1	to	1.1	m
1.1	to	1.2	m
1.2	to	1.3	m
1.3	to	1.4	m

Issue	Description	DR	CH	VE	Date
04	DESIGN CO-ORDINATION AMENDMENTS	CM	CS	IOC	18.07.23
03	RESPONSE TO COUNCIL RFI	CM	CS	SE	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

0 10 20 30 40 50m

1 : 500

Planner

RobertsDay planning·design·place

Client

RESIMAX GROUP

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

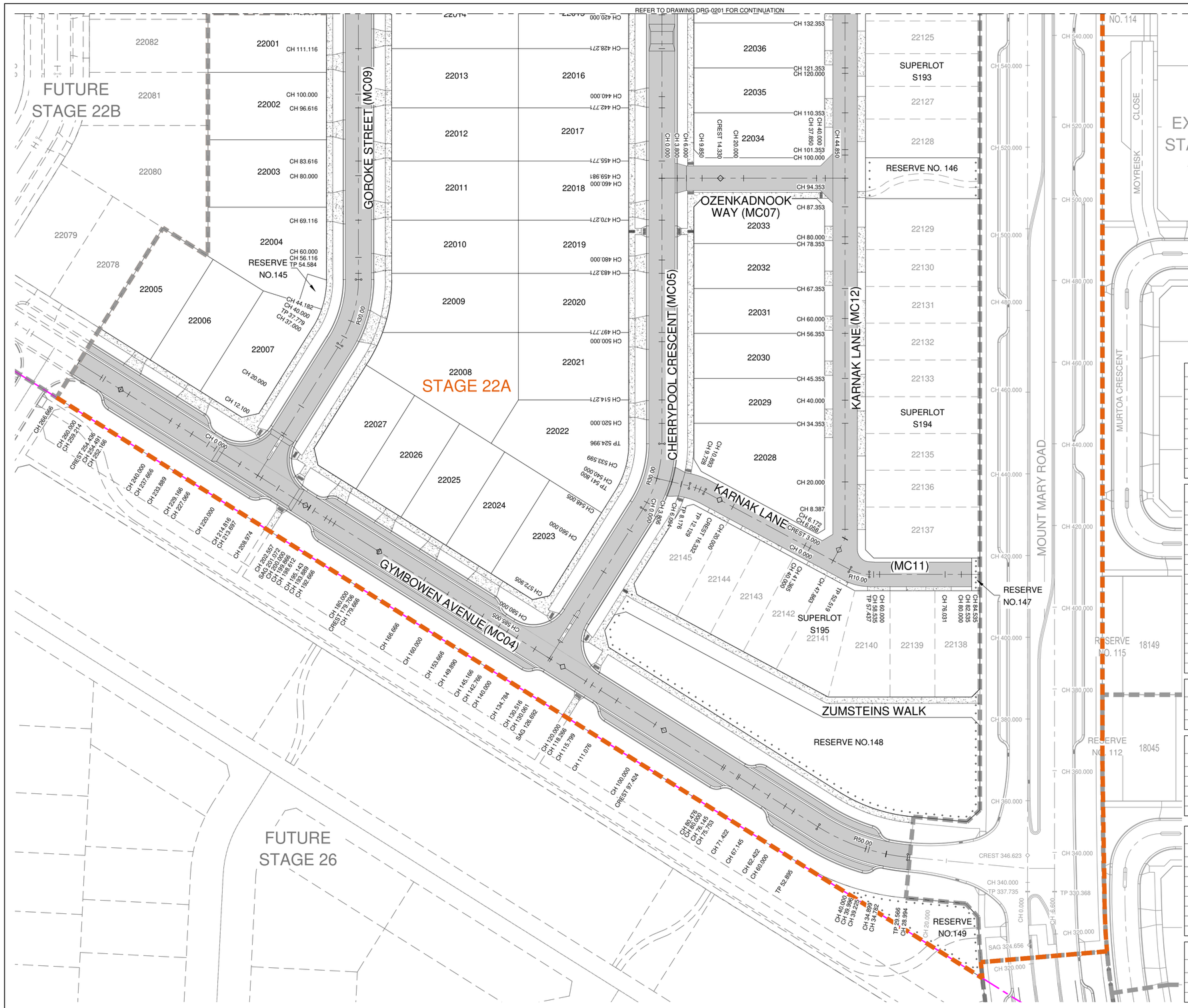
EARTHWORKS LAYOUT PLAN
SHEET 2

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 18, Queen & Collins Tower
376-390 Collins Street
Melbourne VIC 3000 Australia
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0101	04

100mm on Original

Date Plotted: 17 Jul 2023 - 04:42pm File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0100-Earthworks.dwg V1



LEGEND

- PROPOSED KERB & CHANNEL
- PROPOSED ROAD PAVEMENT
- PROPOSED CONCRETE FOOTPATH/DRIVEWAY
- STAGE BOUNDARY

NOTE:

FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.

CONTROL LINE SETOUT - GYMBOWEN AVENUE (MC04)

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	-6.600	283229.499	5814603.124	274°01'47.25"			
IP 2	0.000	283222.916	5814603.588				
TC	29.566	283193.746	5814608.412	279°23'24.44"			
IP 3	41.230	283182.024	5814610.350		R = 50.000	23.329	26°44'00.56"
CT	52.895	283172.428	5814617.355	306°07'25.00"			
TC	551.150	282769.964	5814911.090	306°07'25.00"			
IP 4	563.757	282759.559	5814918.684		R = -50.000	25.214	28°53'35.63"
CT	576.364	282746.780	5814920.305	277°13'49.37"			
IP 5	660.462	282663.350	5814930.890	277°13'49.37"			

CONTROL LINE SETOUT - CHERRYPOOL CRESCENT (MC05)

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	282969.585	5814765.398	36°07'25.00"			
TC	41.296	282993.930	5814798.754	36°07'25.00"			
IP 2	49.698	282999.017	5814805.724		R = -30.000	16.804	32°05'37.73"
CT	58.100	282999.624	5814814.332	4°01'47.27"			
TC	170.285	283007.508	5814926.240	4°01'47.27"			
IP 3	180.052	283008.548	5814941.006		R = 10.000	19.533	111°65'05.57"
IP 4	189.819	283021.858	5814934.529				
IP 5	209.774	283040.021	5814925.691		R = -105.000	39.911	21°46'42.20"
IP 6	229.730	283060.167	5814924.222				
TC	315.083	283145.295	5814918.016	94°10'10.65"			
IP 7	322.925	283155.244	5814917.291		R = 10.000	15.684	89°51'36.65"
CT	330.767	283154.543	5814907.340	184°01'47.30"			
TC	524.996	283140.893	5814713.591	184°01'47.30"			
IP 8	533.398	283140.287	5814704.983		R = 30.000	16.804	32°05'37.70"
CT	541.800	283135.200	5814698.013	216°07'25.00"			
IP 9	585.005	283109.729	5814663.115	216°07'25.00"			

CONTROL LINE SETOUT - OZENKADNOOK WAY (MC07)

PT	CHAINAGE	EASTING	NORTHING	BEARING
IP 1	0.000	283145.462	5814778.445	94°01'47.25"
IP 2	44.850	283190.201	5814775.293	94°01'47.25"

CONTROL LINE SETOUT - GOROKE STREET (MC09)

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283041.636	5814712.812	36°07'25.00"			
TC	37.779	283063.908	5814743.328	36°07'25.00"			
IP 2	46.181	283068.995	5814750.298		R = -30.000	16.804	32°05'37.66"
CT	54.584	283069.602	5814758.906	4°01'47.34"			
IP 3	218.777	283081.140	5814922.693	4°01'47.34"			

CONTROL LINE SETOUT - KARNAK LANE (MC11)

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283139.075	5814705.212	107°06'42.75"			
IP 2	8.176	283146.889	5814702.807				
IP 3	10.153	283148.789	5814702.222		R = 15.000	3.953	15°05'56.88"
IP 4	12.129	283150.471	5814701.162				
TC	52.519	283184.645	5814679.633	122°12'39.62"			
IP 5	54.978	283186.768	5814678.295		R = -10.000	4.919	28°10'52.37"
CT	57.437	283189.272	5814678.118	94°01'47.25"			
IP 6	84.535	283216.303	5814676.214	94°01'47.25"			

CONTROL LINE SETOUT - KARNAK LANE (MC12)

PT	CHAINAGE	EASTING	NORTHING	BEARING
IP 1	0.000	283180.705	5814682.114	32°18'41.94"
IP 2	6.172	283184.005	5814687.331	
IP 3	202.353	283197.791	5814883.026	4°01'47.25"

Issue	Description	DR	CH	VE	Date
04	DESIGN CO-ORDINATION AMENDMENTS	CM	CS	IOC	18.07.23
03	RESPONSE TO COUNCIL RFI	CM	CS	SE	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

0 10 20 30 40 50m

1 : 500

Planner

RobertsDay planning·design·place

Client

RESIMAX GROUP

Status

FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

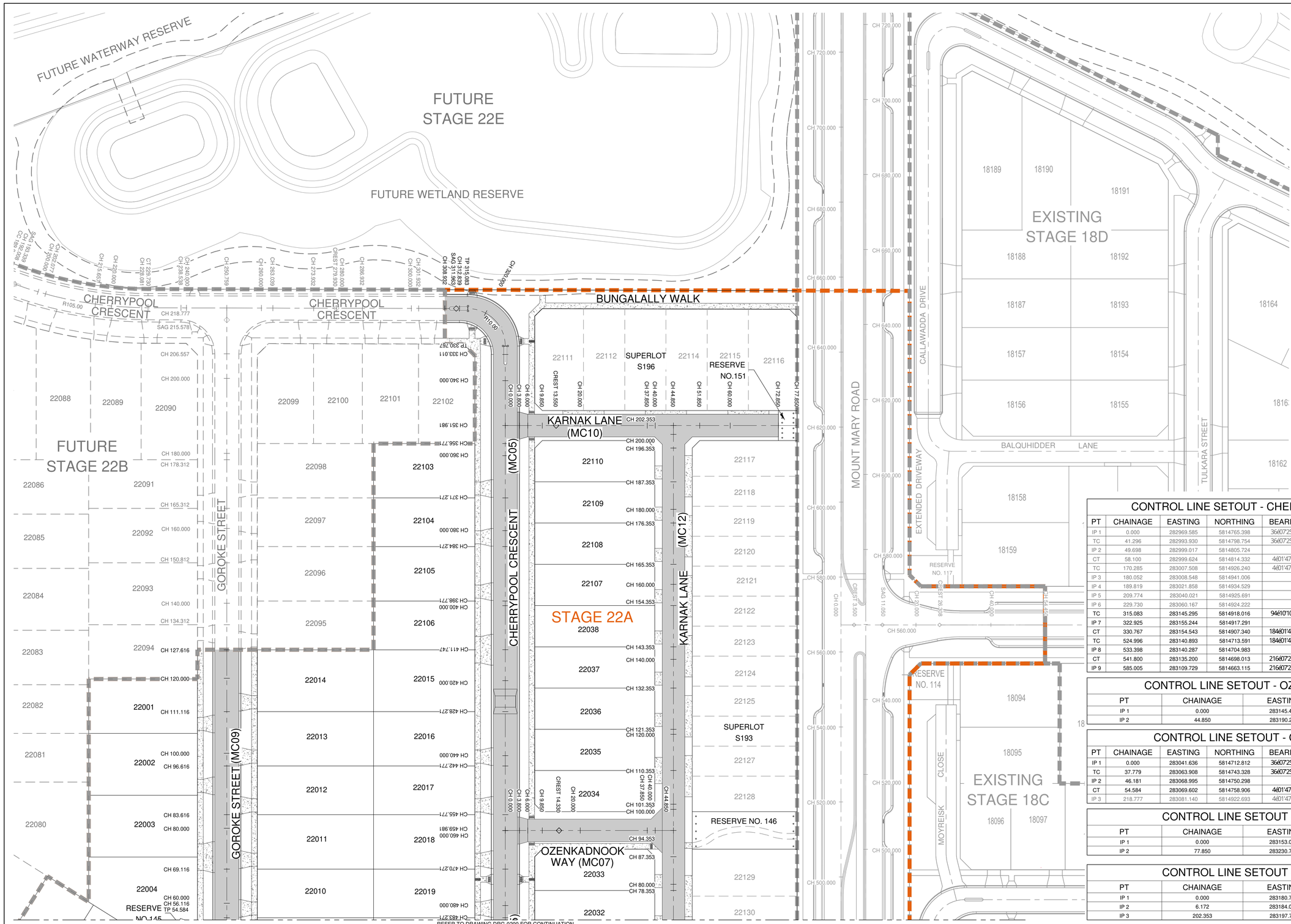
SETOUT PLAN
SHEET 1

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 18, Queen & Collins Tower
376-390 Collins Street
Melbourne VIC 3000 Australia
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0200	04

100mm on Original

Date Plotted: 27 Jul 2023 - 03:14pm File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0200-Setout.dwg V1



LEGEND

- PROPOSED KERB & CHANNEL
- PROPOSED ROAD PAVEMENT
- PROPOSED CONCRETE FOOTPATH/DRIVEWAY
- STAGE BOUNDARY

NOTE:

FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.

CONTROL LINE SETOUT - CHERRYPOOL CRESCENT (MC05)

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	282969.585	5814765.398	36°07'25.00"			
TC	41.296	282993.930	5814798.754	36°07'25.00"			
IP 2	49.698	282999.017	5814805.724		R = -30.000	16.804	32°05'37.73"
CT	58.100	282999.624	5814814.332	4°01'47.27"			
TC	170.285	283007.508	5814926.240	4°01'47.27"			
IP 3	180.052	283008.548	5814941.006		R = 10.000	19.533	111°65'05.57"
IP 4	189.819	283021.858	5814934.529				
IP 5	209.774	283040.021	5814925.691		R = -105.000	39.911	21°44'42.20"
IP 6	229.730	283060.167	5814924.222				
TC	315.083	283145.295	5814918.016	94°10'10.65"			
IP 7	322.925	283155.244	5814917.291		R = 10.000	15.684	89°51'36.65"
CT	330.767	283154.543	5814907.340	184°01'47.30"			
TC	524.996	283140.893	5814713.591	184°01'47.30"			
IP 8	533.398	283140.287	5814704.983		R = 30.000	16.804	32°05'37.70"
CT	541.800	283135.200	5814698.013	216°07'25.00"			
IP 9	585.005	283109.729	5814663.115	216°07'25.00"			

CONTROL LINE SETOUT - OZENKADNOOK WAY (MC07)

PT	CHAINAGE	EASTING	NORTHING	BEARING
IP 1	0.000	283145.462	5814778.445	94°01'47.25"
IP 2	44.850	283190.201	5814775.293	94°01'47.25"

CONTROL LINE SETOUT - GOROKE STREET (MC09)

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283041.636	5814712.812	36°07'25.00"			
TC	37.779	283063.908	5814743.328	36°07'25.00"			
IP 2	46.181	283068.995	5814750.298		R = -30.000	16.804	32°05'37.66"
CT	54.584	283069.602	5814758.906	4°01'47.34"			
IP 3	218.777	283081.140	5814922.693	4°01'47.34"			

CONTROL LINE SETOUT - KARNAK LANE (MC10)

PT	CHAINAGE	EASTING	NORTHING	BEARING
IP 1	0.000	283153.052	5814886.178	94°01'47.25"
IP 2	77.850	283230.710	5814880.707	94°01'47.25"

CONTROL LINE SETOUT - KARNAK LANE (MC12)

PT	CHAINAGE	EASTING	NORTHING	BEARING
IP 1	0.000	283180.705	5814682.114	326°18'41.94"
IP 2	6.172	283184.005	5814687.331	
IP 3	202.353	283197.791	5814883.026	4°01'47.25"

Issue	Description	DR	CH	VE	Date
04	DESIGN CO-ORDINATION AMENDMENTS	CM	CS	IOC	18.07.23
03	RESPONSE TO COUNCIL RFI	CM	CS	SE	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

N

0 10 20 30 40 50m

1 : 500

Planner

RobertsDay planning·design·place

Client

RESIMAX GROUP

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

SETOUT PLAN
SHEET 2

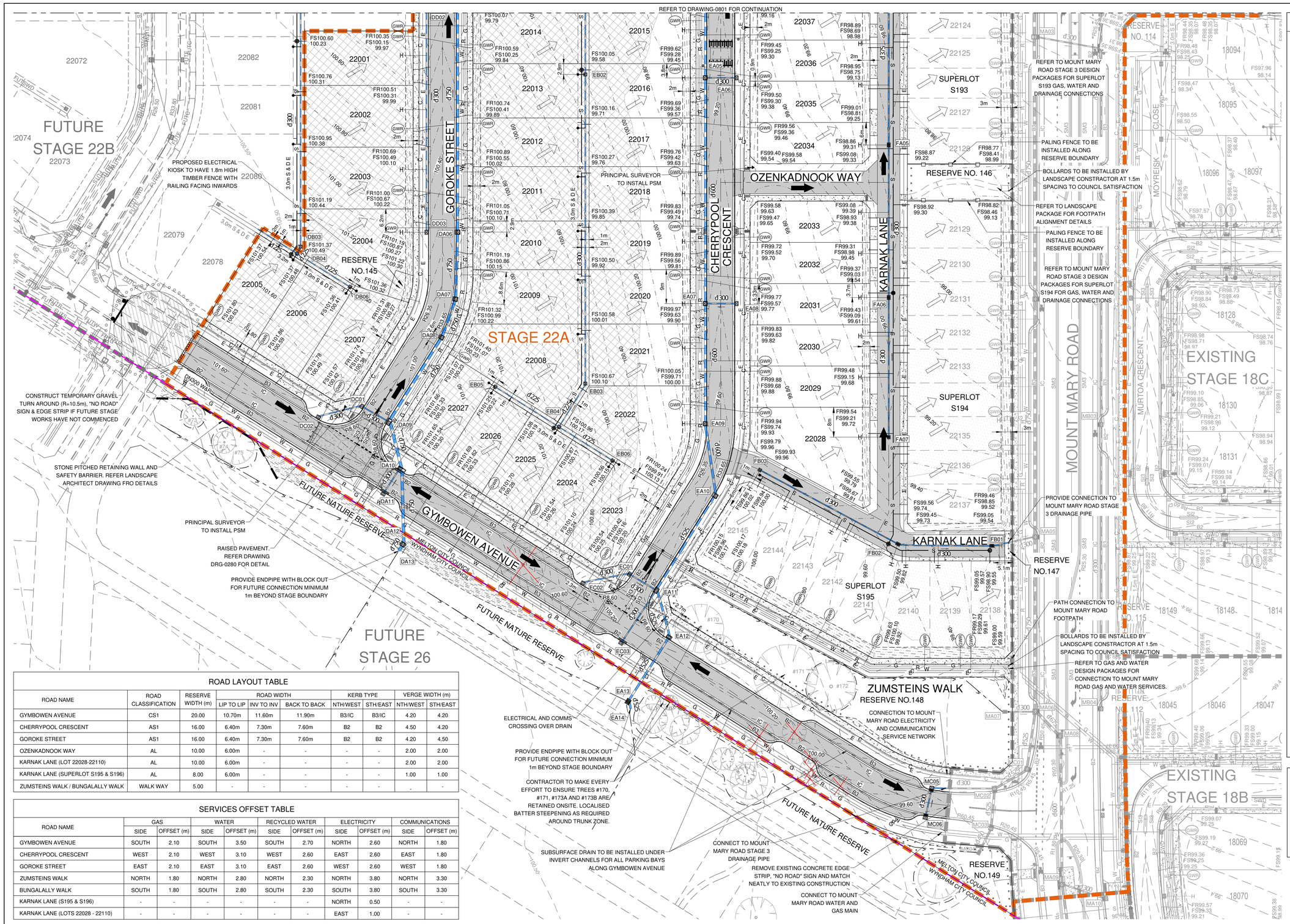
ARCADIS

Arcadis Australia Pacific Pty Limited
Level 18, Queen & Collins Tower
376-390 Collins Street
Melbourne VIC 3000 Australia
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0201	04

100mm on Original

Date Plotted: 27 Jul 2023 - 03:17pm File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0200-Setout.dwg V1



LEGEND

- PROPOSED STAGE BOUNDARY
- 5.0 PROPOSED DESIGN CONTOURS
- PROPOSED KERB & CHANNEL
- FALL OF ALLOTMENT
- DIRECTION OF OVERLAND FLOW
- A-1 PROPOSED STORMWATER DRAINAGE
- PROPOSED PIT LABEL
- S PROPOSED SEWERAGE RETICULATION
- W PROPOSED WATER RETICULATION
- R PROPOSED RECYCLED WATER RETICULATION
- E PROPOSED ELECTRICITY UNDER GROUND
- C PROPOSED COMMUNICATIONS
- G PROPOSED GAS RETICULATION
- PROPOSED DRAINAGE INLET
- PROPOSED CONCRETE FOOTPATH/DRIVEWAY
- PROPOSED ROAD PAVEMENT
- GWR PROPOSED GAS / CLASS A / POTABLE WATER HOUSE CONNECTION
- BOLLARD
- FR98.86 FINISHED RIDGE LEVEL
- FS97.14 FINISHED SURFACE LEVEL
- 93.750 EXISTING SURFACE LEVEL
- PROPOSED RIDGE LINE
- PROPOSED RETAINING WALL
- CUT (> 0.3m)
- FILL (> 0.3m)
- EXISTING STAGE BOUNDARY
- 5.0 EXISTING SURFACE CONTOURS
- EXISTING STORMWATER DRAINAGE
- s EXISTING SEWER RETICULATION
- w EXISTING WATER RETICULATION
- r EXISTING RECYCLED WATER RETICULATION
- e EXISTING ELECTRICITY UNDER GROUND
- c EXISTING COMMUNICATIONS
- g EXISTING GAS RETICULATION
- EXISTING SWALE
- FUTSWD FUTURE STORMWATER DRAINAGE
- FUTS FUTURE SEWER RETICULATION
- FUTW FUTURE WATER RETICULATION
- FUTR FUTURE RECYCLED WATER RETICULATION
- FUTC FUTURE COMMUNICATIONS
- FUTE FUTURE ELECTRICAL UNDER GROUND
- FUTG FUTURE GAS RETICULATION
- EXISTING TREES TO BE RETAINED
- EXISTING TREES TO BE REMOVED
- TEMPORARY FENCE
- TEMPORARY SWALE
- MUNICIPAL BOUNDARY
- PALING FENCE

NOTES:

1. FUTURE SUPERLOT BOUNDARIES SHOWN FOR SERVICE LOCATIONS ONLY. TO BE CONFIRMED UNDER SEPARATE CONTRACT.
2. STAGE 22A TO BE CONSTRUCTED CONCURRENTLY WITH STAGE 22B, D, E & MMR03.
3. UNLESS NOTED OTHERWISE, ALL SERVICES WILL CROSS OVER DRAINAGE PIPE EXCEPT SEWER PIPE. REFER TO RELEVANT UTILITYDESIGN PACKAGES FOR DETAILS.

ROAD LAYOUT TABLE

ROAD NAME	ROAD CLASSIFICATION	RESERVE WIDTH (m)	ROAD WIDTH			KERB TYPE		VERGE WIDTH (m)	
			LIP TO LIP	INV TO INV	BACK TO BACK	NTH/WEST	STH/EAST	NTH/WEST	STH/EAST
GYMBOWEN AVENUE	CS1	20.00	10.70m	11.60m	11.90m	B3/IC	B3/IC	4.20	4.20
CHERRYPOOL CRESCENT	AS1	16.00	6.40m	7.30m	7.60m	B2	B2	4.50	4.20
GOROKE STREET	AS1	16.00	6.40m	7.30m	7.60m	B2	B2	4.20	4.50
OZENKADNOOK WAY	AL	10.00	6.00m	-	-	-	-	2.00	2.00
KARNAK LANE (LOT 22028-22110)	AL	10.00	6.00m	-	-	-	-	2.00	2.00
KARNAK LANE (SUPERLOT S195 & S196)	AL	8.00	6.00m	-	-	-	-	1.00	1.00
ZUMSTEINS WALK / BUNGALALLY WALK	WALK WAY	5.00	-	-	-	-	-	-	-

SERVICES OFFSET TABLE

ROAD NAME	GAS		WATER		RECYCLED WATER		ELECTRICITY		COMMUNICATIONS	
	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)
GYMBOWEN AVENUE	SOUTH	2.10	SOUTH	3.50	SOUTH	2.70	NORTH	2.60	NORTH	1.80
CHERRYPOOL CRESCENT	WEST	2.10	WEST	3.10	WEST	2.60	EAST	2.60	EAST	1.80
GOROKE STREET	EAST	2.10	EAST	3.10	EAST	2.60	WEST	2.60	WEST	1.80
ZUMSTEINS WALK	NORTH	1.80	NORTH	2.80	NORTH	2.30	NORTH	3.80	NORTH	3.30
BUNGALALLY WALK	SOUTH	1.80	SOUTH	2.80	SOUTH	2.30	SOUTH	3.80	SOUTH	3.30
KARNAK LANE (S195 & S196)	-	-	-	-	-	-	NORTH	0.50	-	-
KARNAK LANE (LOTS 22028 - 22110)	-	-	-	-	-	-	EAST	1.00	-	-

Issue	Description	DR	CH	VE	Date
04	DESIGN CO-ORDINATION AMENDMENTS	CM	CS	IOC	18.07.23
03	RESPONSE TO COUNCIL RFI	CM	CS	SE	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

0 10 20 30 40 50m

1 : 500

Planner

RobertsDay planning·design·place

Client

RESIMAX GROUP

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

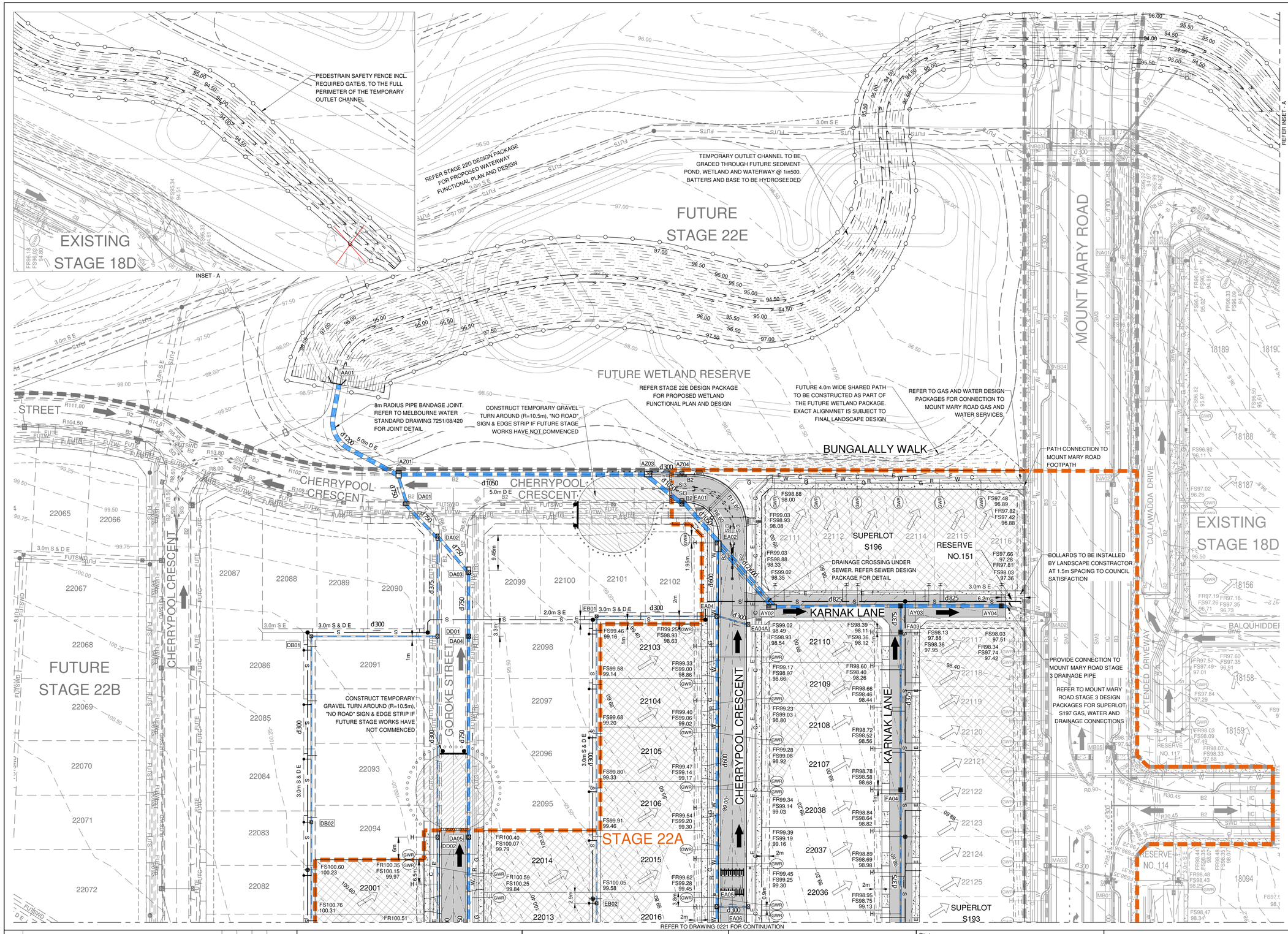
ROADWORKS AND DRAINAGE LAYOUT PLAN
SHEET 1

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 18, Queen & Collins Tower
376-390 Collins Street
Melbourne VIC 3000 Australia
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0220	04

100mm on Original

Date Plotted: 27 Jul 2023 - 03:28pm File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0220-Roadworks.dwg V1



REFER TO DRAWING-0221 FOR CONTINUATION

LEGEND

- PROPOSED STAGE BOUNDARY
- 5.0 PROPOSED DESIGN CONTOURS
- PROPOSED KERB & CHANNEL
- FALL OF ALLOTMENT
- DIRECTION OF OVERLAND FLOW
- A-1 PROPOSED STORMWATER DRAINAGE
- PROPOSED PIT LABEL
- S PROPOSED SEWERAGE RETICULATION
- W PROPOSED WATER RETICULATION
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- PROPOSED ROAD PAVEMENT
- GWR PROPOSED GAS / CLASS A / POTABLE WATER HOUSE CONNECTION
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- FR98.86 FINISHED RIDGE LEVEL
- FS97.14 FINISHED SURFACE LEVEL
- 93.750 EXISTING SURFACE LEVEL
- PROPOSED RIDGE LINE
- PROPOSED RETAINING WALL
- CUT (> 0.3m)
- FILL (> 0.3m)
- EXISTING STAGE BOUNDARY
- 5.0 EXISTING SURFACE CONTOURS
- EXISTING STORMWATER DRAINAGE
- s EXISTING SEWER RETICULATION
- w EXISTING WATER RETICULATION
- r EXISTING RECYCLED WATER RETICULATION
- e EXISTING ELECTRICITY UNDER GROUND
- c EXISTING COMMUNICATIONS
- g EXISTING GAS RETICULATION
- EXISTING SWALE
- FUTSWD FUTURE STORMWATER DRAINAGE
- FUTS FUTURE SEWER RETICULATION
- FUTW FUTURE WATER RETICULATION
- FUTR FUTURE RECYCLED WATER RETICULATION
- FUTC FUTURE COMMUNICATIONS
- FUTE FUTURE ELECTRICAL UNDER GROUND
- FUTG FUTURE GAS RETICULATION
- EXISTING TREES TO BE RETAINED
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- MUNICIPAL BOUNDARY
- PALING FENCE

NOTES:

1. FUTURE SUPERLOT BOUNDARIES SHOWN FOR SERVICE LOCATIONS ONLY. TO BE CONFIRMED UNDER SEPARATE CONTRACT.
2. STAGE 22A TO BE CONSTRUCTED CONCURRENTLY WITH STAGE 22B, D, E & MMR03.
3. UNLESS NOTED OTHERWISE, ALL SERVICES WILL CROSS OVER DRAINAGE PIPE EXCEPT SEWER PIPE. REFER TO RELEVANT UTILITYDESIGN PACKAGES FOR DETAILS.

Issue	Description	DR	CH	VE	Date
04	DESIGN CO-ORDINATION AMENDMENTS	CM	CS	IOC	18.07.23
03	RESPONSE TO COUNCIL RFI	CM	CS	SE	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

0 10 20 30 40 50m

1 : 500

Planner

RobertsDay planning·design·place

Client

RESIMAX GROUP

Status

FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

ROADWORKS AND DRAINAGE LAYOUT PLAN
SHEET 2

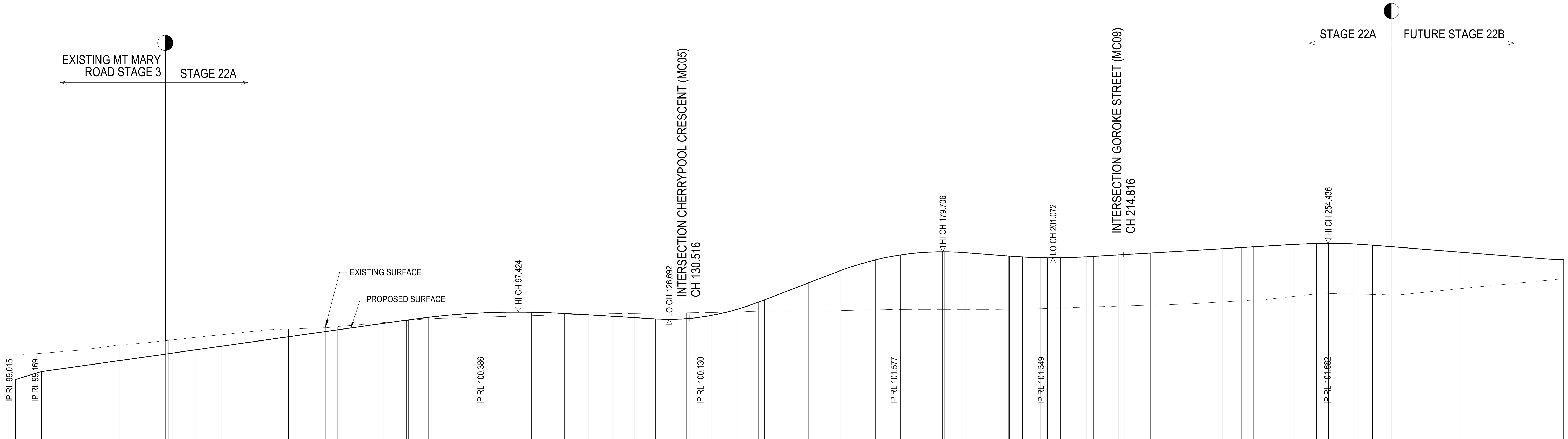
ARCADIS
Arcadis Australia Pacific Pty Limited
Level 18, Queen & Collins Tower
376-390 Collins Street
Melbourne VIC 3000 Australia
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

Project No.	Originator	Zone	Stage	Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD			CV	DRG	0221	04

100mm on Original

Date Plotted: 27 Jul 2023 - 03:30pm File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0220-Roadworks.dwg V1

NOTE:
1. FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.
2. STRUCTURAL FILL IS REQUIRED WHERE FOOTPATH OR PAVEMENT IS CONSTRUCTED ABOVE EXISTING SURFACE.



REFER DRAWINGS DRG-0260 TO DRG-0263 FOR KERB RETURN LEVELS

Vertical Curve Length (m) / Vertical Curve Radius (m): 30 VC R 1493; 20 VC R 449; 25 VC R 537; 15 VC R 1071; 15 VC R 1072; 15 VC R 516

Vertical Grade (%) / Vertical Grade (1 in ...): 3.1% 1:32.5; 1.4% 1:71.0; -0.6% -1:166.7; 3.9% 1:25.9; -0.8% -1:125.0; 0.6% 1:166.7; -0.8% -1:125.0

Horizontal Curve Radius: R 50.00

DATUM RL 95.0

DESIGN LIP OF KERB (LHS) / (RHS), CH 0.000 to 20.000: REFER TO MT. MARY ROAD STAGE 3 DESIGN PACKAGE FOR INTERSECTION DETAIL

PEGGED CHAINAGE	DESIGN LEVELS ON ROAD CENTERLINE	DESIGN LIP OF KERB (LHS)	DESIGN LIP OF KERB (RHS)	EXISTING SURFACE ON ROAD CENTERLINE	CUT / FILL DEPTH
0.000	99.015			99.495	-0.481
5.000	99.169			99.524	-0.355
20.000	99.380			99.687	-0.307
28.994	99.507	99.407	99.407	99.768	-0.261
29.566	99.515	99.415	99.415	99.774	-0.259
34.782	99.588	99.487	99.487	99.831	-0.242
39.996	99.662	99.562	99.562	99.884	-0.222
40.000	99.662	99.562	99.562	99.884	-0.222
52.895	99.844	99.744	99.744	99.995	-0.151
60.000	99.944	99.844	99.844	100.019	-0.075
62.422	99.978	99.878	99.878	100.040	-0.062
67.145	100.044	99.944	99.944	100.082	-0.037
71.422	100.105	100.005	100.005	100.120	-0.015
75.753	100.166	100.066	100.066	100.158	0.007
76.145	100.171	100.071	100.071	100.162	0.009
76.384	100.175	100.075	100.075	100.164	0.011
80.000	100.221	100.121	100.121	100.194	0.027
80.476	100.227	100.127	100.127	100.196	0.031
91.384	100.311	100.210	100.210	100.226	0.084
97.424	100.323	100.223	100.223	100.243	0.079
100.000	100.321	100.221	100.221	100.251	0.070
106.384	100.296	100.196	100.196	100.269	0.027
111.076	100.268	100.168	100.168	100.282	-0.014
115.799	100.239	100.139	100.139	100.292	-0.053
118.266	100.225	100.125	100.125	100.295	-0.070
120.000	100.214	100.114		100.297	-0.083
124.000	100.190	100.090		100.302	-0.112
126.692	100.182	100.082		100.305	-0.123
130.061	100.195	100.095		100.309	-0.115
130.516	100.198	100.098		100.310	-0.112
134.000	100.242	100.142		100.314	-0.073
134.784	100.255	100.155		100.315	-0.060
140.000	100.380	100.280		100.327	0.052
142.766	100.470	100.370	100.370	100.336	0.135
144.000	100.516	100.416	100.416	100.339	0.177
145.166	100.561	100.461	100.461	100.343	0.218
149.890	100.743	100.643	100.643	100.341	0.402
153.666	100.889	100.789	100.789	100.338	0.550
159.000	101.095	100.995	100.995	100.348	0.747
160.000	101.132	101.032	101.032	100.350	0.782
166.666	101.336	101.236	101.236	100.366	0.969
171.500	101.431	101.331	101.331	100.375	1.056
179.666	101.494	101.394	101.394	100.376	1.118
179.706	101.494	101.394	101.394	100.376	1.118
180.000	101.494	101.394	101.394	100.376	1.118
184.000	101.477	101.377	101.377	100.376	1.100
192.500	101.409	101.309	101.309	100.377	1.031
192.666	101.408	101.308	101.308	100.377	1.030
193.889	101.399	101.299	101.299	100.378	1.021
195.143	101.391	101.291	101.291	100.378	1.013
198.612	101.377	101.277	101.277	100.390	0.988
199.866	101.375	101.275	101.275	100.394	0.981
200.000	101.375	101.275	101.275	100.394	0.981
201.072	101.375	101.275	101.275	100.398	0.976
202.557	101.376	101.276		100.403	0.972
207.500	101.394	101.294		100.420	0.974
208.974	101.403	101.303		100.425	0.978
213.697	101.431	101.331		100.438	0.993
214.816	101.438	101.338		100.441	0.997
220.000	101.469	101.369		100.455	1.014
227.066	101.511	101.411	101.411	100.478	1.033
229.166	101.524	101.424	101.424	100.491	1.033
233.889	101.552	101.452	101.452	100.519	1.034
237.666	101.575	101.475	101.475	100.541	1.034
240.000	101.589	101.489	101.489	100.555	1.034
248.007	101.637	101.537	101.537	100.630	1.007
252.166	101.654	101.554	101.554	100.674	0.979
254.436	101.656	101.556	101.556	100.687	0.970
254.491	101.656	101.556	101.556	100.686	0.970
255.507	101.656	101.556	101.556	100.681	0.974
259.214	101.646	101.546	101.546	100.672	0.973
260.000	101.642	101.542	101.542	100.671	0.971
263.007	101.622	101.522	101.522	100.664	0.958
266.666	101.593	101.493	101.493	100.656	0.937
280.000	101.486			100.776	0.710
296.500	101.354			100.935	0.419
300.000	101.338			100.968	0.370

GYMBOWEN AVENUE (MC04) - LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:50 VERT.

Issue	Description	DR	CH	VE	Date
03	UPDATED FOR REGISTRATION OF ENGINEERS	CM	CS	IOC	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales: 1 : 500 (0, 10, 20, 30, 40, 50m); 1 : 50 (0, 1, 2, 3, 4, 5m)

Planner: RobertsDay planning·design·place

Client: RESIMAX GROUP

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project: EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

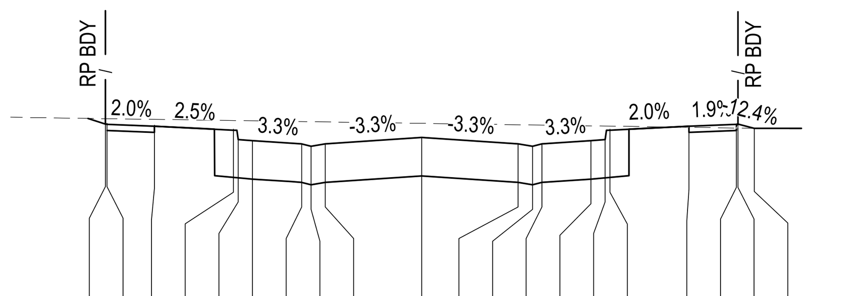
Title: GYMBOWEN AVENUE (MC04)
LONGITUDINAL SECTION

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 18, Queen & Collins Tower
376-390 Collins Street
Melbourne VIC 3000 Australia
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

Project No.	Originator	Zone / Stage / Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0240	03

100mm on Original

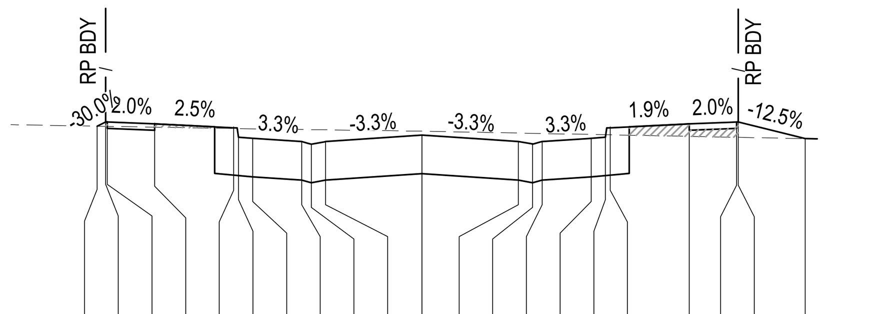
Date Plotted: 8 May 2023 - 07:33pm File Name: C:\Users\menezc4027\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0240-RoadLS-XS.dwg V2



DATUM RL 97.00

PROPOSED LEVEL	99.870	99.869	99.839	99.777	99.627	99.612	99.560	99.520	99.560	99.662	99.560	99.520	99.560	99.612	99.627	99.777	99.839	99.869	99.870	99.806
EXISTING LEVEL	99.958	99.958	99.947	99.928	99.927	99.924	99.912	99.910	99.907	99.884	99.861	99.858	99.856	99.844	99.841	99.840	99.821	99.810	99.810	99.806
OFFSET	-10.000	-9.950	-8.450	-5.950	-5.800	-5.350	-3.800	-3.500	-3.050	0.000	3.050	3.500	3.800	5.350	5.800	5.950	8.450	9.950	10.000	10.510

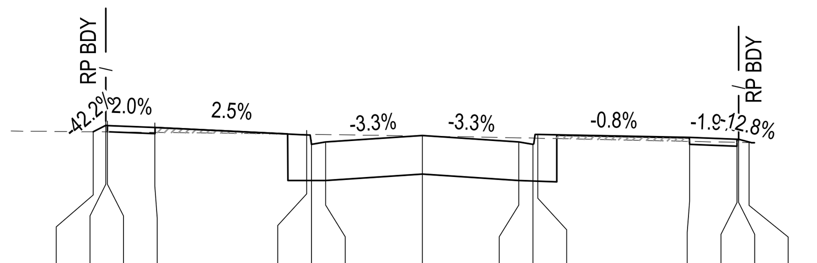
CH 39.996



DATUM RL 97.00

PROPOSED LEVEL	100.118	100.186	100.185	100.155	100.093	99.943	99.928	99.876	99.836	99.876	99.978	99.876	99.836	99.876	99.928	99.943	100.093	100.155	100.185	100.186	99.922
EXISTING LEVEL	100.118	100.116	100.116	100.103	100.083	100.082	100.078	100.067	100.065	100.062	100.040	100.010	100.006	100.003	99.988	99.984	99.982	99.958	99.943	99.943	99.922
OFFSET	-10.270	-10.000	-9.950	-8.450	-5.950	-5.800	-5.350	-3.800	-3.500	-3.050	0.000	3.050	3.500	3.800	5.350	5.800	5.950	8.450	9.950	10.000	12.110

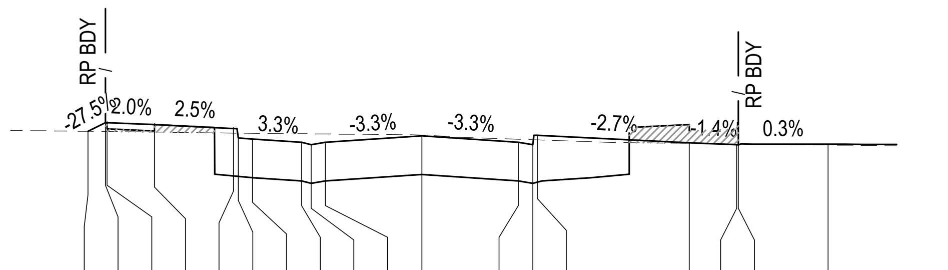
CH 62.422



DATUM RL 98.00

PROPOSED LEVEL	100.224	100.325	100.324	100.294	100.174	100.024	100.064	100.166	100.064	100.024	100.183	100.136	100.106	100.105	100.063
EXISTING LEVEL	100.224	100.222	100.222	100.214	100.185	100.183	100.180	100.158	100.129	100.125	100.123	100.073	100.057	100.057	100.053
OFFSET	-10.400	-10.000	-9.950	-8.450	-3.650	-3.500	-3.050	0.000	3.050	3.500	3.650	8.450	9.950	10.000	10.330

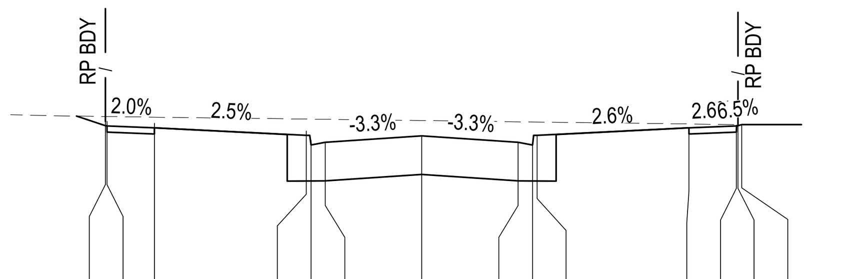
CH 75.753



DATUM RL 98.00

PROPOSED LEVEL	100.339	100.476	100.475	100.445	100.383	100.233	100.218	100.166	100.126	100.166	100.268	100.166	100.126	100.276	100.156	100.126	100.125	100.135
EXISTING LEVEL	100.339	100.335	100.335	100.326	100.312	100.311	100.308	100.300	100.299	100.297	100.282	100.215	100.207	100.204	100.148	100.139	100.139	100.122
OFFSET	-10.550	-10.000	-9.950	-8.450	-5.950	-5.800	-5.350	-3.800	-3.500	-3.050	0.000	3.050	3.500	3.650	8.450	9.950	10.000	12.830

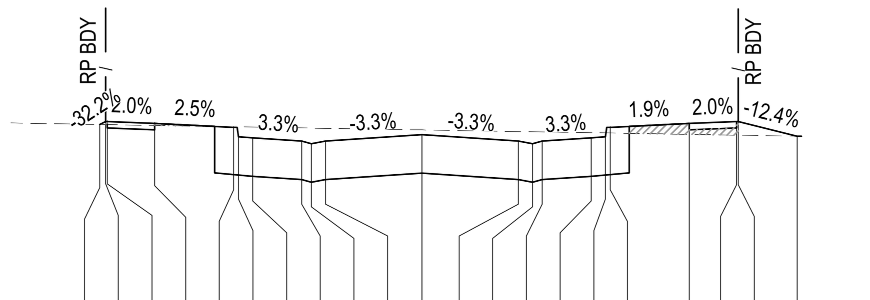
CH 111.076



DATUM RL 97.00

PROPOSED LEVEL	99.748	99.747	99.717	99.597	99.447	99.487	99.588	99.487	99.447	99.597	99.717	99.747	99.748	99.767
EXISTING LEVEL	99.894	99.894	99.884	99.854	99.853	99.850	99.831	99.811	99.809	99.808	99.777	99.768	99.767	99.767
OFFSET	-10.000	-9.950	-8.450	-3.650	-3.500	-3.050	0.000	3.050	3.500	3.650	8.450	9.950	10.000	10.110

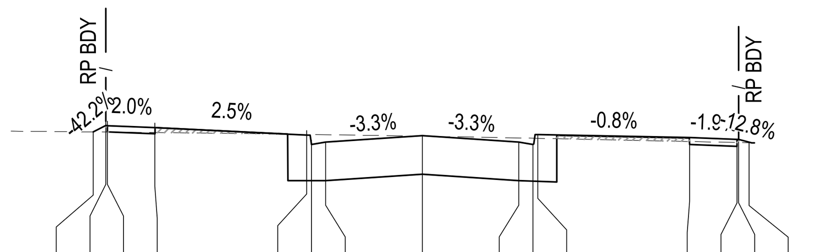
CH 34.782



DATUM RL 97.00

PROPOSED LEVEL	100.105	100.152	100.151	100.121	100.059	99.909	99.894	99.842	99.802	99.842	99.944	99.842	99.802	99.842	99.894	99.909	100.059	100.121	100.151	100.152	99.919
EXISTING LEVEL	100.105	100.103	100.103	100.090	100.069	100.068	100.064	100.051	100.048	100.045	100.019	99.994	99.990	99.987	99.974	99.970	99.969	99.948	99.935	99.935	99.919
OFFSET	-10.190	-10.000	-9.950	-8.450	-5.950	-5.800	-5.350	-3.800	-3.500	-3.050	0.000	3.050	3.500	3.800	5.350	5.800	5.950	8.450	9.950	10.000	11.860

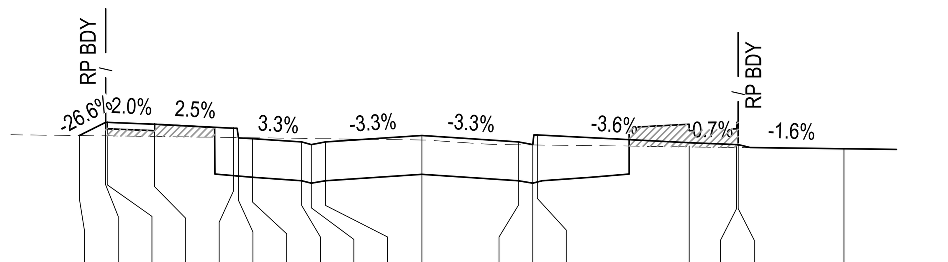
CH 60.000



DATUM RL 98.00

PROPOSED LEVEL	100.224	100.325	100.324	100.294	100.174	100.024	100.064	100.166	100.064	100.024	100.183	100.136	100.106	100.105	100.063
EXISTING LEVEL	100.224	100.222	100.222	100.214	100.185	100.183	100.180	100.158	100.129	100.125	100.123	100.073	100.057	100.057	100.053
OFFSET	-10.400	-10.000	-9.950	-8.450	-3.650	-3.500	-3.050	0.000	3.050	3.500	3.650	8.450	9.950	10.000	10.330

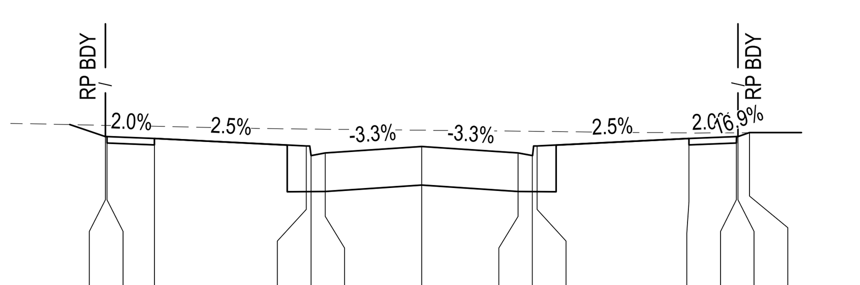
CH 75.753



DATUM RL 98.00

PROPOSED LEVEL	100.322	100.529	100.528	100.498	100.436	100.286	100.271	100.219	100.179	100.219	100.321	100.219	100.179	100.329	100.209	100.179	100.178	100.111
EXISTING LEVEL	100.322	100.317	100.317	100.307	100.290	100.289	100.286	100.276	100.274	100.271	100.251	100.176	100.173	100.172	100.142	100.133	100.133	100.112
OFFSET	-10.830	-10.000	-9.950	-8.450	-5.950	-5.800	-5.350	-3.800	-3.500	-3.050	0.000	3.050	3.500	3.650	8.450	9.950	10.000	13.340

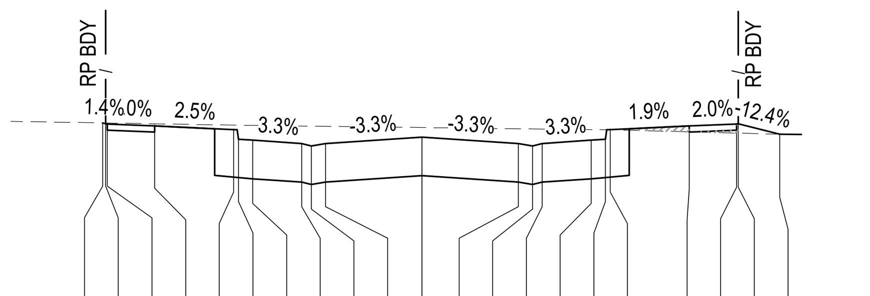
CH 100.000



DATUM RL 97.00

PROPOSED LEVEL	99.675	99.673	99.643	99.523	99.382	99.413	99.515	99.413	99.373	99.523	99.643	99.673	99.674	99.735
EXISTING LEVEL	99.851	99.850	99.835	99.793	99.792	99.790	99.774	99.758	99.756	99.755	99.730	99.734	99.734	99.735
OFFSET	-10.000	-9.950	-8.450	-3.650	-3.500	-3.050	0.000	3.050	3.500	3.650	8.450	9.950	10.000	10.360

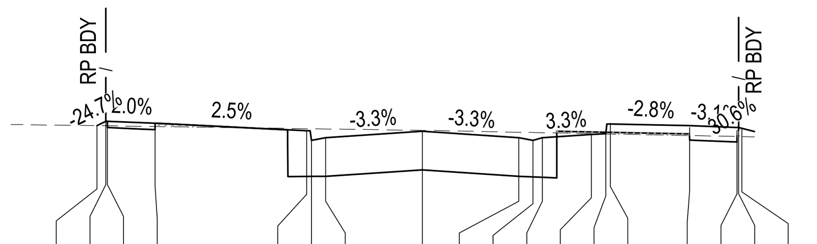
CH 29.566



DATUM RL 97.00

PROPOSED LEVEL	100.067	100.052	100.051	100.021	99.959	99.809	99.794	99.742	99.702	99.742	99.844	99.742	99.702	99.742	99.794	99.809	99.959	100.021	100.051	100.052	99.888
EXISTING LEVEL	100.067	100.066	100.066	100.053	100.032	100.031	100.028	100.018	100.016	100.014	99.995	99.975	99.973	99.971	99.961	99.957	99.956	99.926	99.906	99.906	99.888
OFFSET	-10.090	-10.000	-9.950	-8.450	-5.950	-5.800	-5.350	-3.800	-3.500	-3.050	0.000	3.050	3.500	3.800	5.350	5.800	5.950	8.450	9.950	10.000	11.310

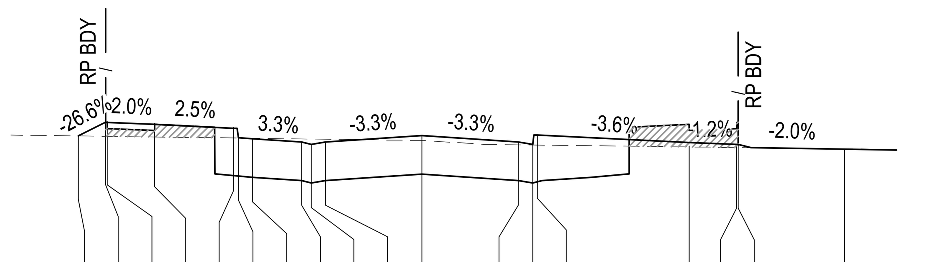
CH 52.895



DATUM RL 98.00

PROPOSED LEVEL	100.194	100.264	100.263	100.233	100.113	99.963	100.003	100.105	100.003	99.963	100.003	100.055	100.070	100.220	100.195	100.165	100.164	100.151
EXISTING LEVEL	100.194	100.192	100.191	100.181	100.146	100.145	100.142	100.120	100.090	100.086	100.083	100.068	100.064	100.062	100.038	100.023	100.022	100.021
OFFSET	-10.280	-10.000	-9.950	-8.450	-3.650	-3.500	-3.050	0.000	3.050	3.500	3.800	5.350	5.800	5.950	8.450	9.950	10.000	10.100

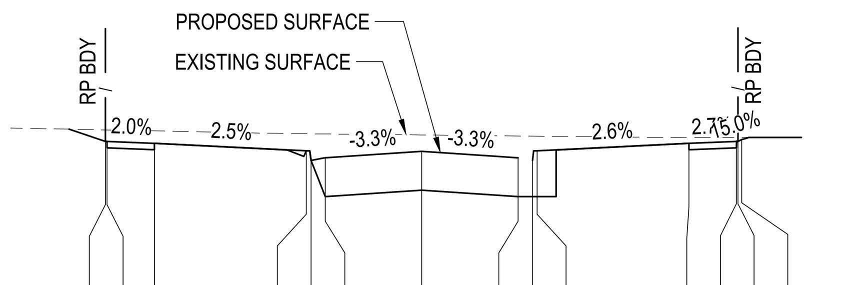
CH 71.422



DATUM RL 98.00

PROPOSED LEVEL	100.316	100.531	100.530	100.500	100.438	100.288	100.273	100.221	100.181	100.221	100.323	100.221	100.181	100.331	100.211	100.181	100.180	100.107
EXISTING LEVEL	100.316	100.310	100.310	100.300	100.283	100.282	100.279	100.269	100.267	100.264	100.243	100.176	100.173	100.172	100.142	100.133	100.132	100.111
OFFSET	-10.860	-10.000	-9.950	-8.450	-5.950	-5.800	-5.350	-3.800	-3.500	-3.050	0.000	3.050	3.500	3.650	8.450	9.950	10.000	13.360

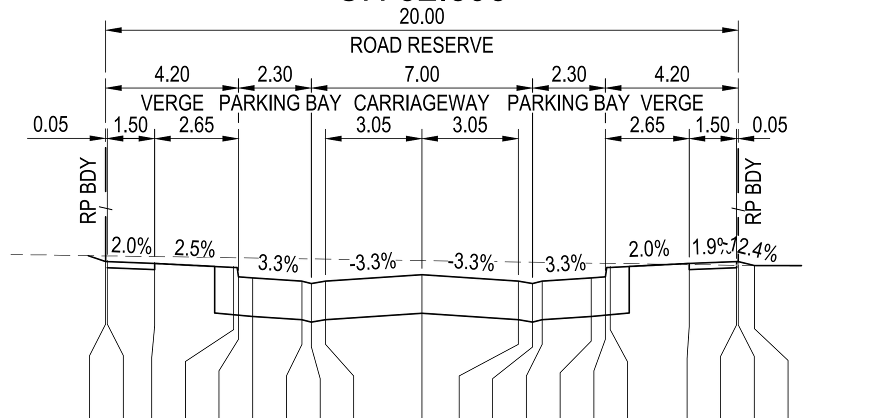
CH 97.424



DATUM RL 97.00

PROPOSED LEVEL	99.666	99.665	99.635	99.515	99.365	99.405	99.507	99.405	99.365	99.515	99.635	99.665	99.666	99.696
EXISTING LEVEL	99.847	99.847	99.832	99.787	99.786	99.784	99.768	99.752	99.749	99.749	99.725	99.730	99.730	99.730
OFFSET	-10.000	-9.950	-8.450	-3.650	-3.500	-3.050	0.000	3.050	3.500	3.650	8.450	9.950	10.000	10.120

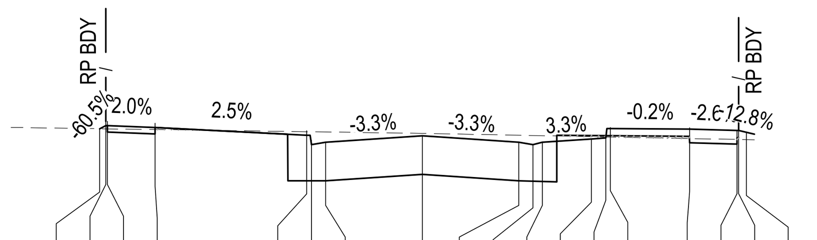
CH 28.994



DATUM RL 97.00

PROPOSED LEVEL	99.870	99.869	99.839	99.777	99.627	99.612	99.560	99.521	99.560	99.662	99.560	99.520	99.560	99.612	99.627	99.777	99.839	99.869	99.870	99.806
EXISTING LEVEL	99.958	99.958	99.947	99.928	99.927	99.924	99.912	99.910	99.907	99.884	99.861	99.858	99.856	99.844	99.841	99.840	99.821	99.810	99.810	99.806
OFFSET	-10.000	-9.950	-8.450	-5.950	-5.800	-5.350	-3.800	-3.500	-3.050	0.000	3.050	3.500	3.800	5.350	5.800	5.950	8.450	9.950	10.000	10.510

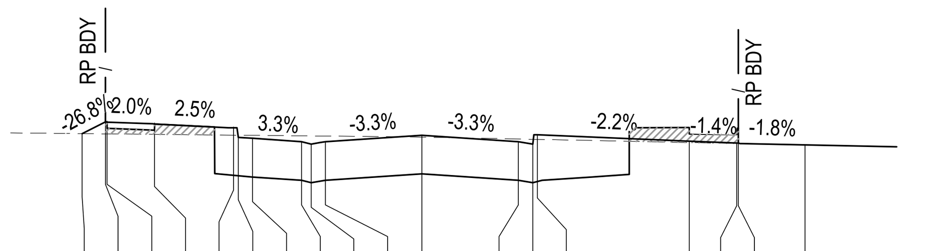
CH 40.000



DATUM RL 98.00

PROPOSED LEVEL	100.155	100.204	100.203	100.173	100.053	99.903	99.943	100.044	99.943	99.903	99.943	99.994	100.009	100.159	100.149	100.130	100.129	100.098
EXISTING LEVEL	100.155	100.154	100.153	100.143	100.108	100.107	100.104	100.082	100.052	100.048	100.045	100.030	100.026	100.024	100.000	99.985	99.985	99.982
OFFSET	-10.190	-10.000	-9.950	-8.450	-3.650	-3.500	-3.050	0.000	3.050	3.500	3.800	5.350	5.800	5.950	8.450	9.950	10.000	10.250

CH 67.145



DATUM RL 98.00

PROPOSED LEVEL	100.251	100.435	100.434	100.404	100.342	100.192	100.177	100.125	100.085	100.125	100.227	100.125	100.085	100.235	100.132	100.102	100.101	100.073
EXISTING LEVEL	100.251	100.248	100.247	100.240	100.227	100.227	100.224	100.217	100.215	100.213	100.196	100.166	100.162	100.160	100.111	100.095	100.095	100.073
OFFSET	-10.740	-10.000	-9.950	-8.450	-5.950	-5.800	-5.350	-3.800	-3.500	-3.050	0.000	3.050	3.500	3.650	8.450	9.950	10.000	12.110

CH 80.476

LEGEND

STRUCTURAL FILL

NOTE:
1. FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.
2. STRUCTURAL FILL IS REQUIRED WHERE FOOTPATH OR PAVEMENT IS CONSTRUCTED ABOVE EXISTING SURFACE.

GYMBOWEN AVENUE (MC04) - CROSS SECTIONS

SCALE 1:200 HORI.
1:100 VERT.

Issue	Description	DR	CH	VE	Date
03	UPDATED FOR REGISTRATION OF ENGINEERS	CM	CS	IOC	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales: 0 5 10 15 20m — 1 : 200; 0 2 4 6 8 10m — 1 : 100

Planner: RobertsDay planning·design·place

Client: RESIMAX GROUP

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures

Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project: EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

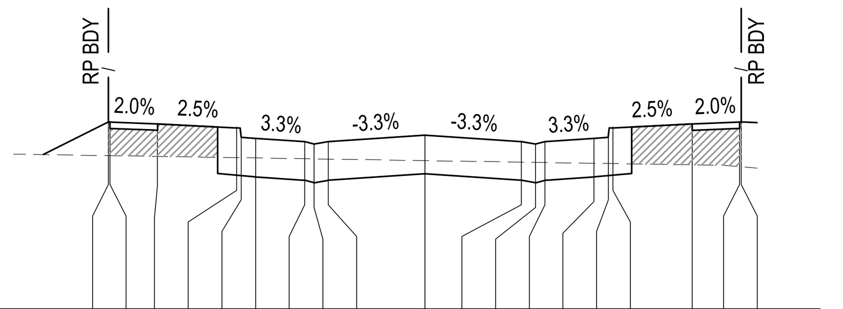
Title: GYMBOWEN AVENUE (MC04)
CROSS SECTIONS
SHEET 1

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 18, Queen & Collins Tower
376-390 Collins Street
Melbourne VIC 3000 Australia
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

Project No.	Originator	Zone / Stage / Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0241	03

NOTE:
1. FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.
2. STRUCTURAL FILL IS REQUIRED WHERE FOOTPATH OR PAVEMENT IS CONSTRUCTED ABOVE EXISTING SURFACE.

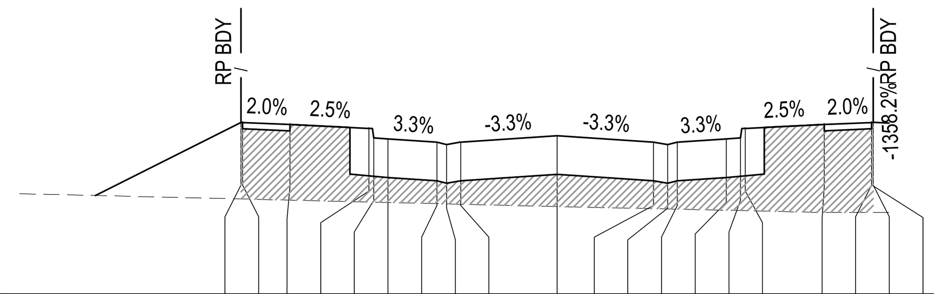
LEGEND
STRUCTURAL FILL



DATUM RL 98.00

PROPOSED LEVEL	100.952	100.951	100.921	100.858	100.708	100.693	100.642	100.602	100.642	100.743	100.642	100.602	100.642	100.694	100.743	100.858	100.921	100.951	100.952
EXISTING LEVEL	100.420	100.420	100.408	100.388	100.387	100.384	100.371	100.369	100.365	100.341	100.317	100.314	100.311	100.299	100.296	100.295	100.275	100.246	100.244
OFFSET	-10.000	-9.950	-8.450	-5.950	-5.800	-5.350	-3.800	-3.500	-3.050	0.000	3.050	3.500	3.800	5.350	5.800	5.950	8.450	9.950	10.000

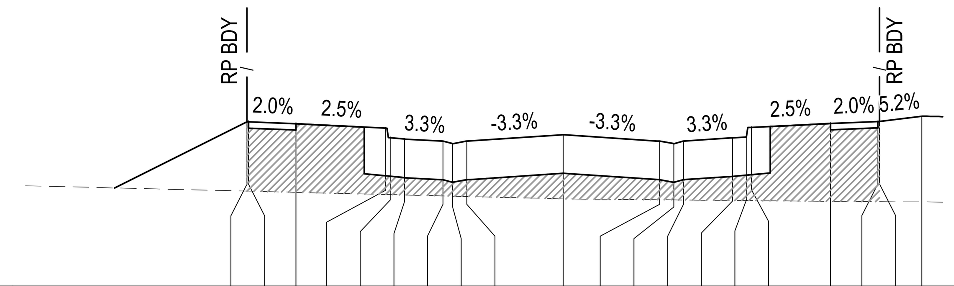
CH 149.890



DATUM RL 99.00

PROPOSED LEVEL	101.703	101.702	101.672	101.609	101.459	101.444	101.392	101.352	101.392	101.494	101.392	101.352	101.392	101.444	101.459	101.609	101.672	101.702	101.703	101.703
EXISTING LEVEL	100.496	100.495	100.477	100.447	100.445	100.440	100.421	100.418	100.413	100.376	100.343	100.338	100.335	100.318	100.313	100.311	100.282	100.282	100.282	100.282
OFFSET	-10.000	-9.950	-8.450	-5.950	-5.800	-5.350	-3.800	-3.500	-3.050	0.000	3.050	3.500	3.800	5.350	5.800	5.950	8.450	9.950	10.000	10.000

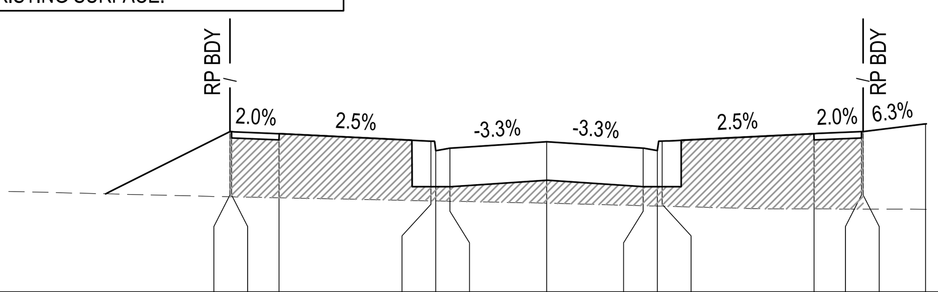
CH 179.666



DATUM RL 99.00

PROPOSED LEVEL	101.596	101.595	101.565	101.495	101.342	101.322	101.289	101.249	101.289	101.391	101.289	101.249	101.289	101.341	101.390	101.506	101.569	101.599	101.600	101.683
EXISTING LEVEL	100.500	100.499	100.481	100.446	100.445	100.439	100.424	100.421	100.415	100.378	100.363	100.361	100.360	100.353	100.351	100.350	100.338	100.334	100.334	100.328
OFFSET	-10.000	-9.950	-8.450	-5.620	-5.470	-5.020	-3.800	-3.500	-3.050	0.000	3.050	3.500	3.800	5.350	5.800	5.950	8.450	9.950	10.000	11.340

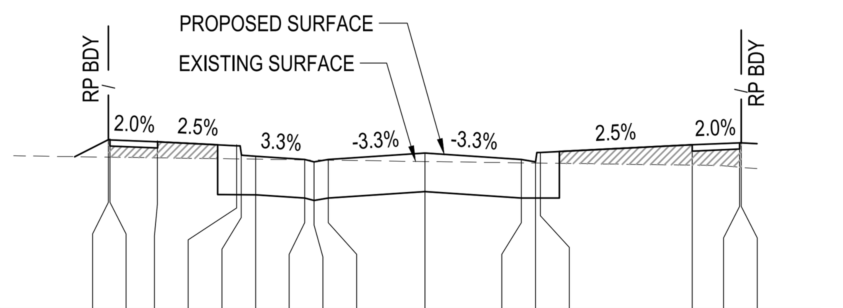
CH 195.143



DATUM RL 99.00

PROPOSED LEVEL	101.535	101.534	101.504	101.384	101.234	101.274	101.376	101.274	101.234	101.387	101.504	101.534	101.535	101.658
EXISTING LEVEL	100.503	100.503	100.488	100.440	100.438	100.434	100.403	100.363	100.357	100.355	100.312	100.309	100.309	100.306
OFFSET	-10.000	-9.950	-8.450	-3.650	-3.500	-3.050	0.000	3.050	3.500	3.650	8.450	9.950	10.000	11.980

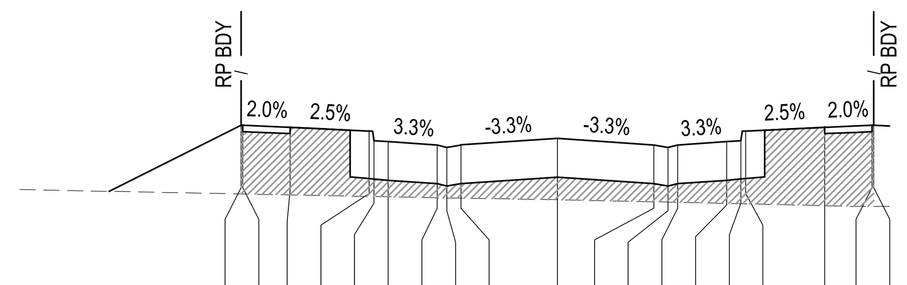
CH 202.557



DATUM RL 98.00

PROPOSED LEVEL	100.679	100.678	100.648	100.585	100.435	100.420	100.368	100.328	100.368	100.470	100.368	100.328	100.478	100.598	100.628	100.629
EXISTING LEVEL	100.404	100.404	100.394	100.376	100.375	100.372	100.362	100.360	100.357	100.336	100.315	100.311	100.310	100.278	100.245	100.242
OFFSET	-10.000	-9.950	-8.450	-5.950	-5.800	-5.350	-3.800	-3.500	-3.050	0.000	3.050	3.500	3.650	8.450	9.950	10.000

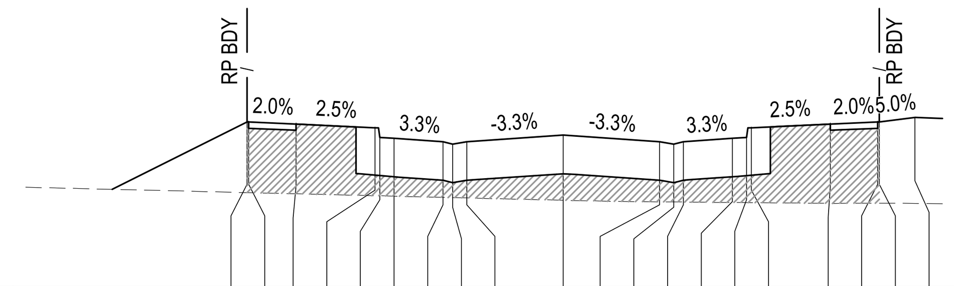
CH 142.766



DATUM RL 99.00

PROPOSED LEVEL	101.544	101.543	101.513	101.451	101.301	101.286	101.234	101.194	101.234	101.336	101.234	101.194	101.234	101.286	101.301	101.451	101.513	101.543	101.544
EXISTING LEVEL	100.460	100.459	100.444	100.420	100.419	100.414	100.399	100.396	100.392	100.366	100.335	100.331	100.328	100.310	100.305	100.303	100.274	100.262	100.262
OFFSET	-10.000	-9.950	-8.450	-5.950	-5.800	-5.350	-3.800	-3.500	-3.050	0.000	3.050	3.500	3.800	5.350	5.800	5.950	8.450	9.950	10.000

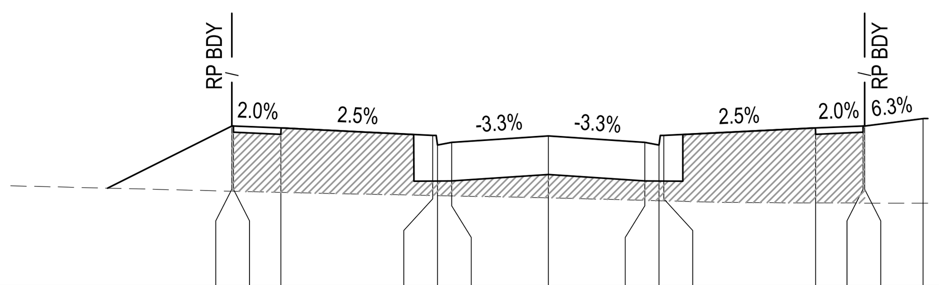
CH 166.666



DATUM RL 99.00

PROPOSED LEVEL	101.616	101.615	101.585	101.523	101.373	101.358	101.306	101.266	101.306	101.408	101.306	101.266	101.306	101.358	101.373	101.523	101.585	101.615	101.616	101.686
EXISTING LEVEL	100.499	100.498	100.480	100.449	100.447	100.442	100.423	100.419	100.414	100.377	100.353	100.351	100.349	100.342	100.340	100.340	100.328	100.330	100.330	100.327
OFFSET	-10.000	-9.950	-8.450	-5.950	-5.800	-5.350	-3.800	-3.500	-3.050	0.000	3.050	3.500	3.800	5.350	5.800	5.950	8.450	9.950	10.000	11.120

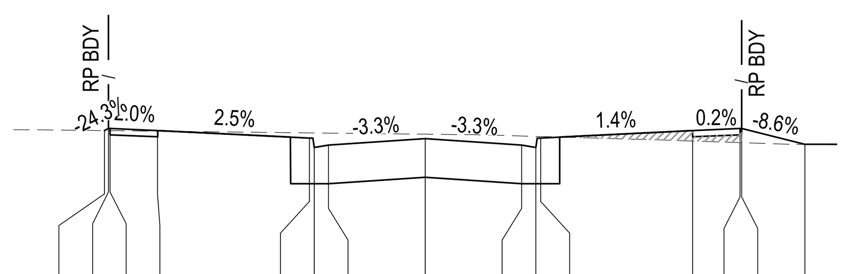
CH 192.666



DATUM RL 99.00

PROPOSED LEVEL	101.534	101.533	101.503	101.383	101.233	101.273	101.375	101.273	101.233	101.383	101.503	101.533	101.534	101.649
EXISTING LEVEL	100.503	100.502	100.484	100.435	100.433	100.429	100.398	100.358	100.352	100.350	100.318	100.315	100.315	100.312
OFFSET	-10.000	-9.950	-8.450	-3.650	-3.500	-3.050	0.000	3.050	3.500	3.650	8.450	9.950	10.000	11.850

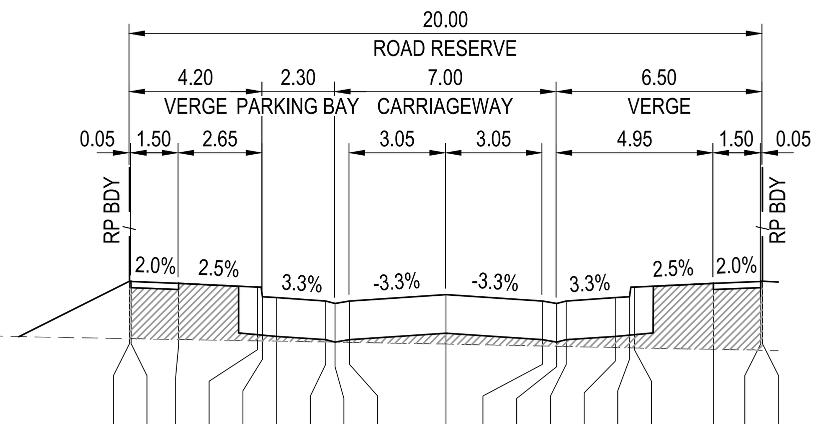
CH 201.072



DATUM RL 98.00

PROPOSED LEVEL	100.352	100.384	100.383	100.353	100.233	100.083	100.123	100.225	100.123	100.083	100.233	100.353	100.383	100.384	100.134
EXISTING LEVEL	100.352	100.351	100.351	100.342	100.316	100.315	100.312	100.295	100.265	100.259	100.257	100.187	100.161	100.160	100.134
OFFSET	-10.130	-10.000	-9.950	-8.450	-3.650	-3.500	-3.050	0.000	3.050	3.500	3.650	8.450	9.950	10.000	12.000

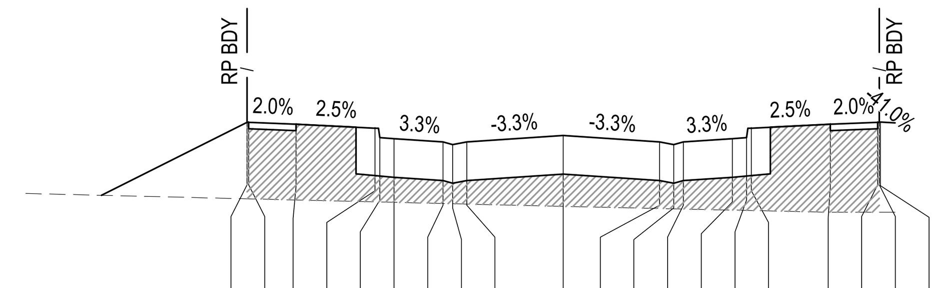
CH 118.266



DATUM RL 99.00

PROPOSED LEVEL	101.341	101.340	101.310	101.247	101.097	101.082	101.031	100.991	101.031	101.132	101.031	100.991	101.031	101.082	101.097	101.247	101.310	101.340	101.341
EXISTING LEVEL	100.435	100.435	100.422	100.401	100.400	100.396	100.383	100.380	100.376	100.350	100.319	100.315	100.312	100.296	100.291	100.289	100.267	100.249	100.249
OFFSET	-10.000	-9.950	-8.450	-5.950	-5.800	-5.350	-3.800	-3.500	-3.050	0.000	3.050	3.500	3.800	5.350	5.800	5.950	8.450	9.950	10.000

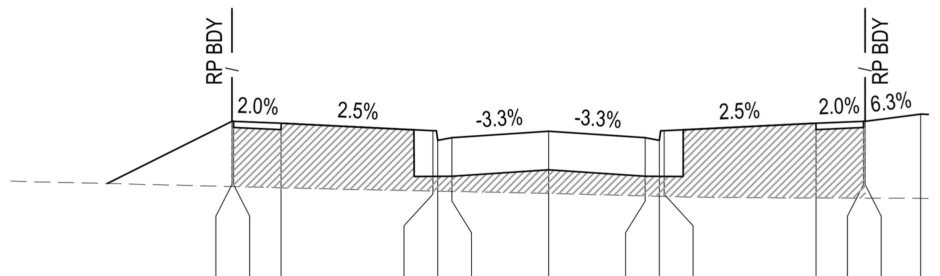
CH 160.000



DATUM RL 99.00

PROPOSED LEVEL	101.703	101.702	101.672	101.609	101.459	101.444	101.392	101.352	101.392	101.494	101.392	101.352	101.392	101.444	101.459	101.609	101.672	101.702	101.703	101.704
EXISTING LEVEL	100.496	100.495	100.477	100.447	100.445	100.440	100.422	100.418	100.413	100.376	100.343	100.338	100.335	100.318	100.313	100.311	100.283	100.283	100.283	100.283
OFFSET	-10.000	-9.950	-8.450	-5.950	-5.800	-5.350	-3.800	-3.500	-3.050	0.000	3.050	3.500	3.800	5.350	5.800	5.950	8.450	9.950	10.000	10.030

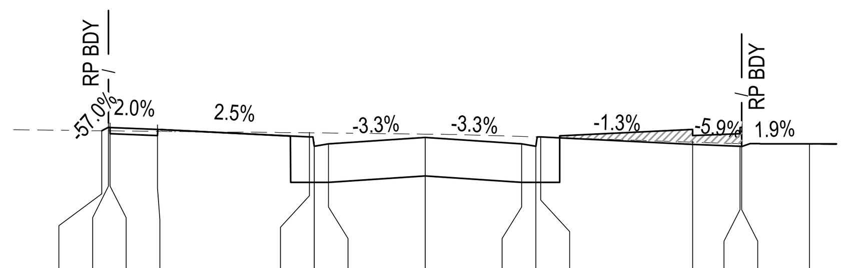
CH 180.000



DATUM RL 99.00

PROPOSED LEVEL	101.534	101.533	101.504	101.383	101.233	101.273	101.375	101.274	101.234	101.383	101.503	101.533	101.534	101.644
EXISTING LEVEL	100.502	100.502	100.483	100.431	100.429	100.425	100.394	100.354	100.348	100.346	100.322	100.320	100.320	100.316
OFFSET	-10.000	-9.950	-8.450	-3.650	-3.500	-3.050	0.000	3.050	3.500	3.650	8.450	9.950	10.000	11.760

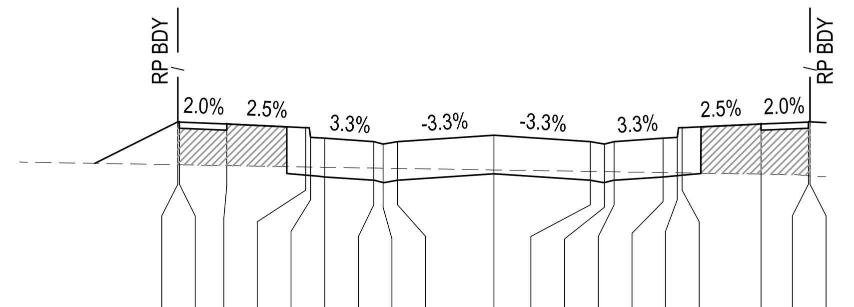
CH 200.000



DATUM RL 98.00

PROPOSED LEVEL	100.345	100.399	100.398	100.368	100.248	100.098	100.138	100.239	100.138	100.098	100.248	100.128	100.098	100.097	100.139
EXISTING LEVEL	100.345	100.344	100.344	100.336	100.312	100.312	100.309	100.292	100.256	100.249	100.247	100.164	100.144	100.144	100.131
OFFSET	-10.220	-10.000	-9.950	-8.450	-3.650	-3.500	-3.050	0.000	3.050	3.500	3.650	8.450	9.950	10.000	12.140

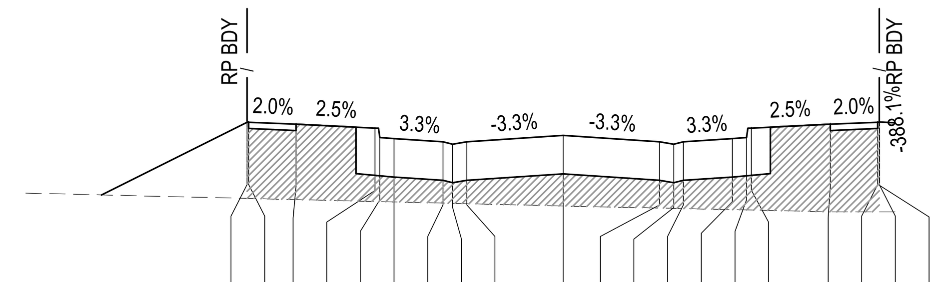
CH 115.799



DATUM RL 98.00

PROPOSED LEVEL	101.097	101.096	101.066	101.004	100.854	100.839	100.787	100.747	100.787	100.889	100.787	100.747	100.787	100.839	100.854	101.004	101.066	101.096	101.097
EXISTING LEVEL	100.420	100.419	100.407	100.386	100.384	100.381	100.368	100.366	100.362	100.338	100.314	100.311	100.309	100.296	100.293	100.292	100.272	100.247	100.245
OFFSET	-10.000	-9.950	-8.450	-5.950	-5.800	-5.350	-3.800	-3.500	-3.050	0.000	3.050	3.500	3.800	5.350	5.800	5.950	8.450	9.950	10.000

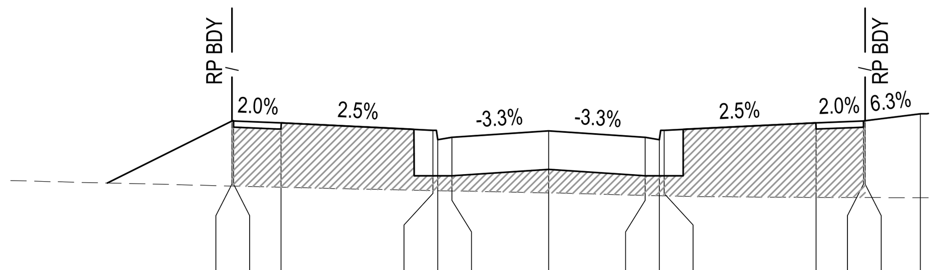
CH 153.666



DATUM RL 99.00

PROPOSED LEVEL	101.703	101.702	101.672	101.609	101.459	101.444	101.392	101.352	101.392	101.494	101.392	101.352	101.392	101.444	101.459	101.609	101.672	101.702	101.703	101.703
EXISTING LEVEL	100.496	100.495	100.477	100.447	100.445	100.440	100.422	100.418	100.413	100.376	100.343	100.338	100.335	100.318	100.313	100.311	100.282	100.282	100.282	100.282
OFFSET	-10.000	-9.950	-8.450	-5.950	-5.800	-5.350	-3.800	-3.500	-3.050	0.000	3.050	3.500	3.800	5.350	5.800	5.950	8.450	9.950	10.000	10.000

CH 179.706



DATUM RL 99.00

PROPOSED LEVEL	101.535	101.534	101.504	101.384	101.234	101.274	101.375	101.274	101.234	101.384	101.504	101.534	101.535	101.644
EXISTING LEVEL	100.502	100.501	100.483	100.430	100.429	100.424	100.394	100.354	100.348	100.346	100.323	100.320	100.320	100.317
OFFSET	-10.000	-9.950	-8.450	-3.650	-3.500	-3.050	0.000	3.050	3.500	3.650	8.450	9.950	10.000	11.740

CH 199.866

GYMBOWEN AVENUE (MC04) - CROSS SECTIONS

SCALE 1:200 HORI.
1:100 VERT.

Issue	Description	DR	CH	VE	Date
03	UPDATED FOR REGISTRATION OF ENGINEERS	CM	CS	IOC	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales
0 5 10 15 20m
1 : 200
0 2 4 6 8 10m
1 : 100

Planner
RobertsDay planning·design·place

Client
RESIMAX GROUP

Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures

Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project
EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title
GYMBOWEN AVENUE (MC04)
CROSS SECTIONS
SHEET 2

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 18, Queen & Collins Tower
376-390 Collins Street
Melbourne VIC 3000 Australia
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0242	03

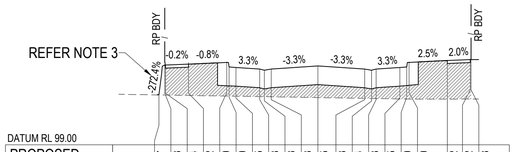
100mm on Original

LEGEND

STRUCTURAL FILL

NOTE:

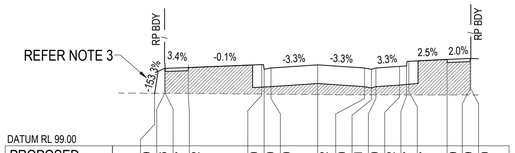
1. FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.
2. STRUCTURAL FILL IS REQUIRED WHERE FOOTPATH OR PAVEMENT IS CONSTRUCTED ABOVE EXISTING SURFACE.
3. REFER TO LANDSCAPE DETAIL DRAWINGS FOR RETAINING WALL AND SAFETY BARRIER DETAILS



DATUM RL 99.00

PROPOSED LEVEL		100.637	100.603	101.604	101.632	101.690	101.540	101.525	101.473	101.433	101.473	101.575	101.473	101.434	101.473	101.525	101.540	101.690	101.752	101.782	101.783
EXISTING LEVEL		100.628	100.625	100.624	100.612	100.591	100.590	100.586	100.573	100.570	100.567	100.541	100.516	100.512	100.509	100.497	100.493	100.492	100.492	100.494	100.494
OFFSET		-10.380	-10.000	-9.950	-8.450	-5.950	-5.800	-5.350	-3.800	-3.500	-3.050	0.000	3.050	3.500	3.800	5.350	5.800	5.950	8.450	9.950	10.000

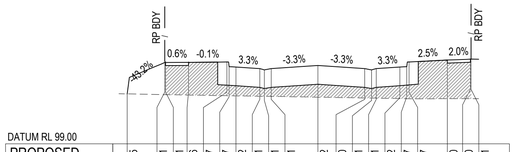
CH 237.666



DATUM RL 99.00

PROPOSED LEVEL		100.699	100.526	101.527	101.552		101.650	101.500	101.540		101.642	101.540	101.501	101.540	101.592	101.607	101.757		101.819	101.849	101.850
EXISTING LEVEL		100.715	100.713	100.713	100.708		100.688	100.687	100.685		100.671	100.663	100.663	100.663	100.662	100.662	100.662		100.660	100.659	100.659
OFFSET		-10.650	-10.000	-9.950	-8.450		-3.650	-3.500	-3.050		0.000	3.050	3.500	3.800	5.350	5.800	5.950		8.450	9.950	10.000

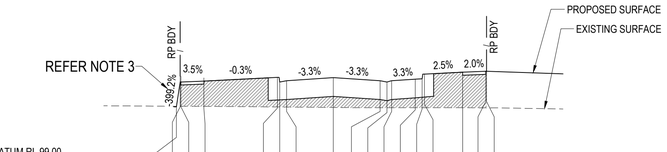
CH 260.000



DATUM RL 99.00

PROPOSED LEVEL	100.625	101.651	101.651	101.656	101.667	101.517	101.502	101.451	101.411	101.451		101.552	101.450	101.493	101.489	101.411	101.451	101.502	101.517	101.667		101.730	101.760	101.761
EXISTING LEVEL	100.628	100.602	100.602	100.589	100.588	100.567	100.563	100.550	100.548	100.544		100.519	100.493	100.489	100.487	100.474	100.470	100.469		100.469	100.471	100.471
OFFSET	-12.460	-10.000	-9.950	-8.450	-5.950	-5.800	-5.350	-3.800	-3.500	-3.050		0.000	3.050	3.500	3.800	5.350	5.800	5.950		8.450	9.950	10.000

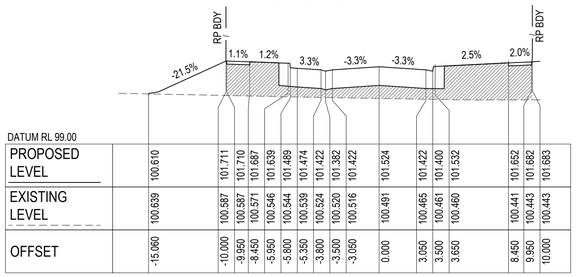
CH 233.889



DATUM RL 99.00

PROPOSED LEVEL		100.686	101.503	101.504	101.534		101.654	101.504	101.544		101.646	101.544	101.504	101.504	101.544	101.596	101.611	101.761		101.823	101.853	101.854
EXISTING LEVEL		100.713	100.713	100.712	100.708		100.690	100.689	100.687		100.672	100.667	100.666	100.666	100.665	100.665	100.665	100.661		100.663	100.663	100.663
OFFSET		-10.250	-10.000	-9.950	-8.450		-3.650	-3.500	-3.050		0.000	3.050	3.500	3.800	5.350	5.800	5.950		8.450	9.950	10.000	

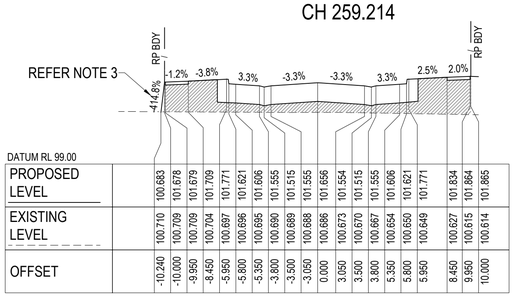
CH 259.214



DATUM RL 99.00

PROPOSED LEVEL		100.610		101.711	101.710	101.687	101.639	101.489	101.474	101.422	101.382	101.422		101.524		101.422	101.400	101.532		101.652	101.682	101.683
EXISTING LEVEL		100.639		100.587	100.587	100.571	100.546	100.544	100.539	100.524	100.520	100.516		100.491		100.465	100.461	100.460		100.441	100.443	100.443
OFFSET		-15.060		-10.000	-9.950	-8.450	-5.950	-5.800	-5.350	-3.800	-3.500	-3.050		0.000		3.050	3.500	3.650		8.450	9.950	10.000

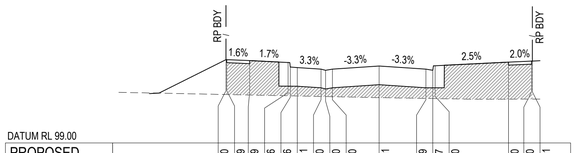
CH 229.166



DATUM RL 99.00

PROPOSED LEVEL		100.683	101.678	101.679	101.709	101.771	101.621	101.606	101.565	101.515	101.555	101.656	101.554	101.515	101.555	101.606	101.621	101.771		101.834	101.864	101.865
EXISTING LEVEL		100.710	100.709	100.709	100.704	100.697	100.696	100.695	100.690	100.689	100.688	100.686	100.673	100.670	100.667	100.654	100.650	100.649		100.627	100.615	100.614
OFFSET		-10.240	-10.000	-9.950	-8.450	-5.950	-5.800	-5.350	-3.800	-3.500	-3.050	0.000	3.050	3.500	3.800	5.350	5.800	5.950		8.450	9.950	10.000

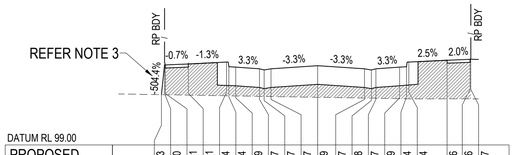
CH 254.491



DATUM RL 99.00

PROPOSED LEVEL		100.720	101.719	101.689	101.626	101.476	101.461	101.410	101.370	101.410		101.511		101.409		101.387	101.520			101.640	101.670	101.671
EXISTING LEVEL		100.580	100.580	100.565	100.539	100.537	100.533	100.517	100.514	100.509		100.478		100.453	100.449	100.448				100.429	100.431	100.431
OFFSET		-10.000	-9.950	-8.450	-5.950	-5.800	-5.350	-3.800	-3.500	-3.050		0.000		3.050	3.500	3.650				8.450	9.950	10.000

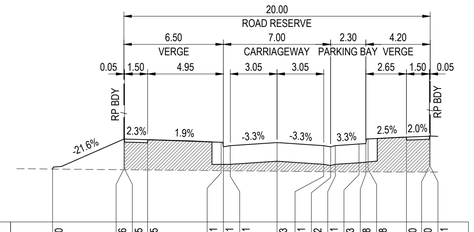
CH 227.066



DATUM RL 99.00

PROPOSED LEVEL		100.643	101.610	101.611	101.641	101.704	101.554	101.539	101.487	101.447	101.487	101.589	101.487	101.448	101.487	101.539	101.554	101.704		101.766	101.796	101.797
EXISTING LEVEL		100.640	100.638	100.638	100.626	100.605	100.603	100.600	100.587	100.584	100.580	100.555	100.530	100.526	100.523	100.510	100.507	100.505		100.506	100.503	100.503
OFFSET		-10.200	-10.000	-9.950	-8.450	-5.950	-5.800	-5.350	-3.800	-3.500	-3.050	0.000	3.050	3.500	3.800	5.350	5.800	5.950		8.450	9.950	10.000

CH 240.000



DATUM RL 99.00

PROPOSED LEVEL		100.720		101.706	101.705	101.685		101.601	101.451	101.491		101.593	101.491	101.452	101.491	101.543	101.558	101.708		101.770	101.800	101.801
EXISTING LEVEL		100.726		100.704	100.704	100.696		100.673	100.673	100.670		100.656	100.641	100.639	100.638	100.633	100.633	100.633		100.631	100.630	100.630
OFFSET		-14.650		-10.000	-9.950	-8.450		-3.650	-3.500	-3.050		0.000	3.050	3.500	3.800	5.350	5.800	5.950		8.450	9.950	10.000

CH 266.666

GYMBOWEN AVENUE (MC04) - CROSS SECTIONS

SCALE 1:200 HORI.
1:100 VERT.

Issue	Description	DR	CH	VE	Date
03	UPDATED FOR REGISTRATION OF ENGINEERS	CM	CS	IOC	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

100mm on Original

Scales

0 5 10 15 20m
1 : 200

0 2 4 6 8 10m
1 : 100

Planner

RobertsDay
planning·design·place

Client

RESIMAX GROUP

Status

FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

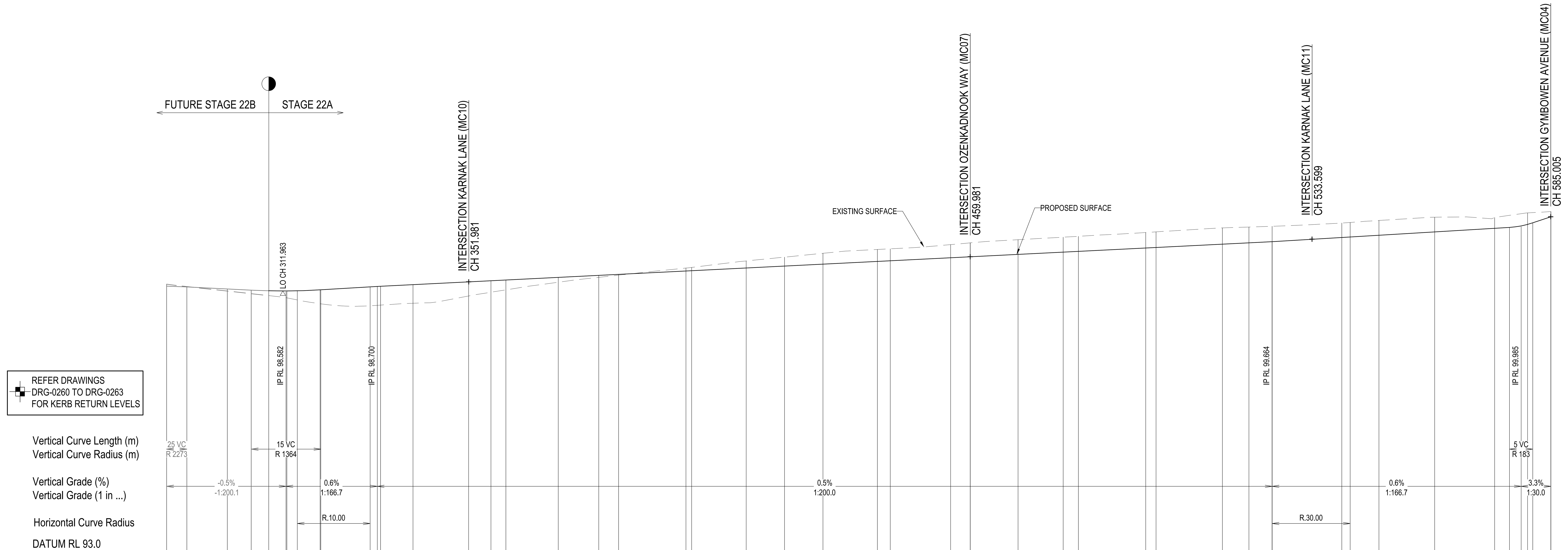
Title

GYMBOWEN AVENUE (MC04)
CROSS SECTIONS
SHEET 3

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 18, Queen & Collins Tower
376-390 Collins Street
Melbourne VIC 3000 Australia
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0243	03

NOTE:
1. FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.
2. STRUCTURAL FILL IS REQUIRED WHERE FOOTPATH OR PAVEMENT IS CONSTRUCTED ABOVE EXISTING SURFACE.



PEGGED CHAINAGE	DESIGN LEVELS ON ROAD CENTERLINE	DESIGN LIP OF KERB (LHS)	DESIGN LIP OF KERB (RHS)	EXISTING SURFACE ON ROAD CENTERLINE	CUT / FILL DEPTH
286.932	98.707	98.600	98.600	98.748	-0.042
291.291	98.689	98.582	98.582	98.696	-0.007
300.000	98.646	98.539	98.539	98.601	0.045
305.146	98.620	98.513	98.513	98.544	0.076
308.932	98.606	98.500	98.500	98.503	0.104
311.963	98.603	98.496	98.496	98.469	0.133
312.646	98.603	98.496	98.496	98.459	0.144
312.839	98.603	98.496	98.496	98.455	0.148
315.083	98.606	98.500		98.409	0.197
320.000	98.626	98.520		98.329	0.298
320.146	98.627	98.521		98.327	0.301
330.767	98.691	98.584		98.284	0.407
332.300	98.700	98.594	98.594	98.294	0.406
333.011	98.704	98.597	98.597	98.299	0.405
340.000	98.739	98.632	98.632	98.339	0.400
351.981	98.799	98.692	98.692	98.495	0.303
356.771	98.823	98.716	98.716	98.575	0.247
360.000	98.839	98.732	98.732	98.627	0.212
371.271	98.895	98.788	98.788	98.790	0.105
380.000	98.939	98.832	98.832	98.896	0.043
384.271	98.960	98.853	98.853	98.943	0.017
398.771	99.033	98.926	98.926	99.095	-0.063
400.000	99.039	98.932	98.932	99.110	-0.071
411.747	99.097	98.991	98.991	99.249	-0.152
420.000	99.139	99.032	99.032	99.331	-0.192
428.271	99.180	99.074	99.073	99.413	-0.233
440.000	99.239	99.132	99.132	99.495	-0.257
442.771	99.253	99.146	99.146	99.510	-0.257
455.771	99.318	99.211	99.211	99.600	-0.283
459.981	99.339	99.232	99.232	99.637	-0.299
460.000	99.339	99.232	99.232	99.637	-0.299
470.271	99.390	99.283	99.283	99.706	-0.316
480.000	99.439	99.332	99.332	99.760	-0.321
483.271	99.455	99.348	99.348	99.778	-0.323
497.771	99.528	99.421	99.421	99.861	-0.333
500.000	99.539	99.432	99.432	99.875	-0.336
514.271	99.610	99.503	99.503	99.960	-0.350
520.000	99.639	99.532	99.532	99.979	-0.340
524.996	99.664	99.557	99.557	99.995	-0.331
540.000	99.754	99.647	99.647	100.064	-0.311
541.800	99.765	99.658	99.658	100.077	-0.312
548.005	99.802	99.695	99.695	100.120	-0.318
560.000	99.874	99.767	99.767	100.190	-0.316
572.905	99.951	99.844	99.845	100.184	-0.232
576.110	99.970			100.230	-0.259
578.610	100.002			100.265	-0.262
580.000	100.035			100.282	-0.247
581.110	100.069			100.288	-0.219
585.005	100.199			100.310	-0.112

CHERRYPOOL CRESCENT (MC05) - LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:50 VERT.

Issue	Description	DR	CH	VE	Date
03	UPDATED FOR REGISTRATION OF ENGINEERS	CM	CS	IOC	12.07.23
02	REMOVING KERB PINCH POINTS	MR	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales
0 10 20 30 40 50m
1 : 500
0 1 2 3 4 5m
1 : 50

Planner: RobertsDay planning·design·place

Client: RESIMAX GROUP

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures

Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project: EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title: CHERRYPOOL CRESCENT (MC05)
LONGITUDINAL SECTION

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 18, Queen & Collins Tower
376-390 Collins Street
Melbourne VIC 3000 Australia
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

Project No.	Originator	Zone / Stage / Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0244	03

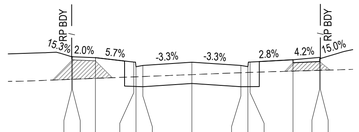
100mm on Original

LEGEND

STRUCTURAL FILL

NOTE:

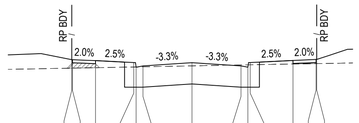
1. FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.
2. STRUCTURAL FILL IS REQUIRED WHERE FOOTPATH OR PAVEMENT IS CONSTRUCTED ABOVE EXISTING SURFACE.



DATUM RL 97.50

PROPOSED LEVEL	98.881	98.880	98.850	98.707	98.557	98.597	98.704	98.597	98.557	98.707	98.785	98.845	98.852
EXISTING LEVEL	98.147	98.148	98.177	98.225	98.228	98.237	98.299	98.361	98.370	98.373	98.413	98.439	98.439
OFFSET	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.340	8.390

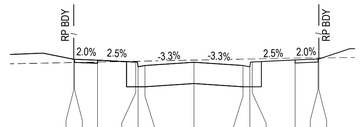
CH 333.011



DATUM RL 98.00

PROPOSED LEVEL	98.992	98.991	98.961	98.899	98.748	98.788	98.895	98.788	98.749	98.899	98.998	98.998	99.000
EXISTING LEVEL	98.716	98.717	98.731	98.754	98.756	98.760	98.790	98.820	98.825	98.826	98.852	98.864	98.864
OFFSET	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

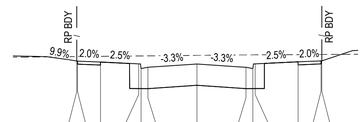
CH 371.271



DATUM RL 98.00

PROPOSED LEVEL	99.136	99.135	99.105	99.042	98.892	98.932	99.039	98.932	98.892	99.042	99.112	99.142	99.143
EXISTING LEVEL	99.030	99.031	99.046	99.071	99.073	99.077	99.110	99.142	99.147	99.148	99.175	99.182	99.182
OFFSET	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

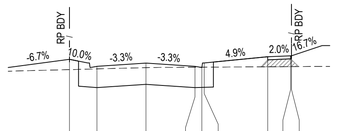
CH 400.000



DATUM RL 98.50

PROPOSED LEVEL	99.414	99.413	99.383	99.321	99.171	99.211	99.318	99.211	99.171	99.321	99.391	99.421	99.422
EXISTING LEVEL	99.560	99.561	99.568	99.581	99.582	99.584	99.600	99.615	99.617	99.617	99.625	99.629	99.629
OFFSET	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

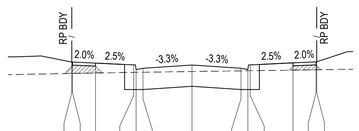
CH 455.771



DATUM RL 97.70

PROPOSED LEVEL	98.726	98.496	98.603	98.496	98.456	98.606	98.810	98.840	98.842
EXISTING LEVEL	98.389	98.413	98.455	98.468	98.469	98.470	98.482	98.487	98.487
OFFSET	-5.000	-3.200	0.000	3.200	3.650	3.800	7.950	9.450	9.500

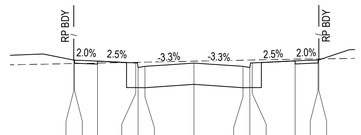
CH 312.839



DATUM RL 98.00

PROPOSED LEVEL	98.936	98.935	98.905	98.842	98.692	98.732	98.839	98.732	98.692	98.842	98.912	98.942	98.943
EXISTING LEVEL	98.564	98.565	98.579	98.600	98.601	98.604	98.627	98.649	98.653	98.654	98.674	98.684	98.685
OFFSET	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

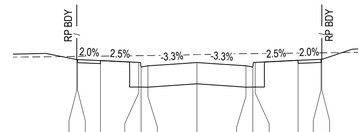
CH 360.000



DATUM RL 98.00

PROPOSED LEVEL	99.130	99.129	99.099	99.036	98.886	98.926	99.033	98.926	98.886	99.036	99.106	99.136	99.137
EXISTING LEVEL	99.018	99.018	99.033	99.058	99.059	99.064	99.095	99.127	99.132	99.133	99.161	99.171	99.172
OFFSET	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

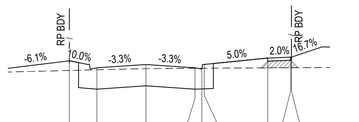
CH 398.771



DATUM RL 98.30

PROPOSED LEVEL	99.349	99.348	99.318	99.256	99.106	99.146	99.253	99.146	99.106	99.256	99.356	99.356	99.357
EXISTING LEVEL	99.453	99.454	99.462	99.477	99.478	99.480	99.510	99.543	99.545	99.546	99.562	99.570	99.570
OFFSET	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

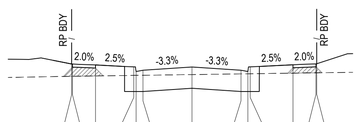
CH 442.771



DATUM RL 97.70

PROPOSED LEVEL	98.726	98.496	98.603	98.496	98.456	98.606	98.814	98.844	98.845
EXISTING LEVEL	98.409	98.432	98.469	98.460	98.461	98.462	98.494	98.499	98.499
OFFSET	-5.000	-3.200	0.000	3.200	3.650	3.800	7.950	9.450	9.500

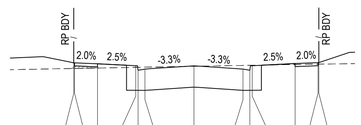
CH 311.965



DATUM RL 98.00

PROPOSED LEVEL	99.919	99.918	98.888	98.826	98.676	98.716	98.823	98.716	98.676	98.826	98.896	99.926	99.927
EXISTING LEVEL	99.519	99.520	99.530	99.548	99.549	99.552	99.575	99.598	99.601	99.602	99.622	99.633	99.633
OFFSET	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

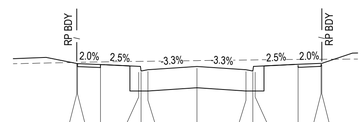
CH 356.771



DATUM RL 98.00

PROPOSED LEVEL	99.057	99.056	99.026	98.964	98.813	98.853	98.960	98.853	98.814	98.964	99.033	99.063	99.065
EXISTING LEVEL	98.873	98.874	98.887	99.909	98.910	98.914	98.943	98.972	98.976	98.977	99.002	99.015	99.016
OFFSET	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

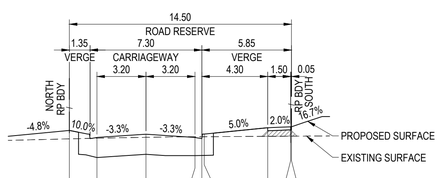
CH 384.271



DATUM RL 98.30

PROPOSED LEVEL	99.236	99.235	99.205	99.142	98.992	99.032	99.139	99.032	98.992	99.142	99.212	99.242	99.243
EXISTING LEVEL	99.273	99.274	99.289	99.306	99.307	99.310	99.331	99.351	99.354	99.355	99.369	99.374	99.374
OFFSET	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

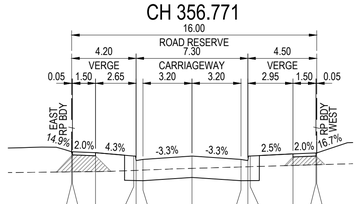
CH 420.000



DATUM RL 97.70

PROPOSED LEVEL	98.730	98.500	98.606	98.500	98.460	98.610	98.817	98.847	98.848
EXISTING LEVEL	98.453	98.474	98.503	98.522	98.523	98.523	98.536	98.540	98.541
OFFSET	-5.000	-3.200	0.000	3.200	3.650	3.800	7.950	9.450	9.500

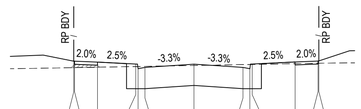
CH 308.932



DATUM RL 97.70

PROPOSED LEVEL	98.881	98.880	98.850	98.742	98.592	98.632	98.739	98.632	98.592	98.742	98.812	98.842	98.843
EXISTING LEVEL	98.224	98.225	98.233	98.271	98.274	98.283	98.339	98.385	98.392	98.394	98.435	98.456	98.457
OFFSET	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

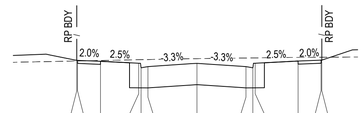
CH 340.000



DATUM RL 98.00

PROPOSED LEVEL	99.036	99.035	99.005	98.942	98.792	98.832	98.939	98.832	98.792	98.942	99.012	99.042	99.043
EXISTING LEVEL	98.826	98.826	98.840	98.862	98.863	98.867	98.896	98.924	98.928	98.930	98.955	98.968	98.969
OFFSET	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

CH 380.000



DATUM RL 98.00

PROPOSED LEVEL	99.194	99.193	99.163	99.101	98.951	98.991	99.097	98.991	98.951	99.101	99.171	99.201	99.202
EXISTING LEVEL	99.173	99.174	99.189	99.214	99.216	99.220	99.249	99.270	99.273	99.274	99.290	99.295	99.295
OFFSET	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

CH 411.771

CHERRYPOOL CRESCENT (MC05) - CROSS SECTIONS

SCALE 1:200 HORI.
1:100 VERT.

Issue	Description	DR	CH	VE	Date
03	UPDATED FOR REGISTRATION OF ENGINEERS	CM	CS	IOC	12.07.23
02	REMOVING KERB PINCH POINTS	MR	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

0 5 10 15 20m
1 : 200

0 2 4 6 8 10m
1 : 100

Planner

RobertsDay planning·design·place

Client

RESIMAX GROUP

Status

FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

CHERRYPOOL CRESCENT (MC05)
CROSS SECTIONS
SHEET 1

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 18, Queen & Collins Tower
376-390 Collins Street
Melbourne VIC 3000 Australia
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

Project No.	Originator	Zone	Stage	Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA	22	ADD	CV	DRG	0245	03

100mm on Original

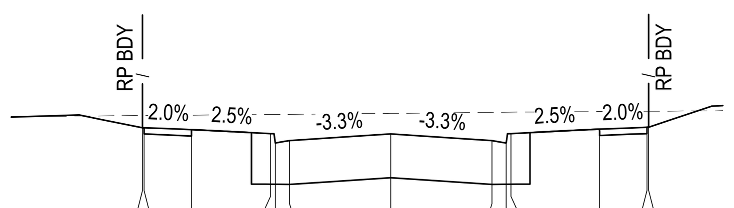
Date Plotted: 20 Mar 2023 - 03:08pm File Name: C:\Users\reyesm1531\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0240-RoadLS-XS.dwg

V2

NOTE:
1. FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.
2. STRUCTURAL FILL IS REQUIRED WHERE FOOTPATH OR PAVEMENT IS CONSTRUCTED ABOVE EXISTING SURFACE.

LEGEND

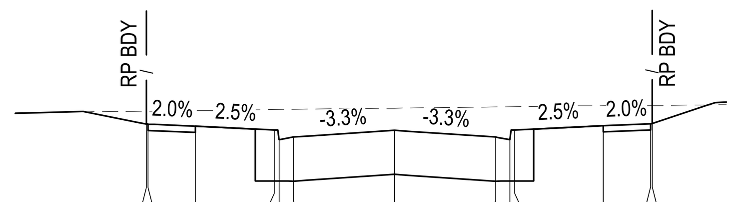
STRUCTURAL FILL



DATUM RL 98.50

PROPOSED LEVEL	99.552	99.551	99.521	99.459	99.308	99.348	99.455	99.348	99.308	99.459	99.528	99.558	99.559
EXISTING LEVEL	99.744	99.745	99.751	99.762	99.762	99.764	99.778	99.794	99.797	99.797	99.807	99.812	99.812
OFFSET	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

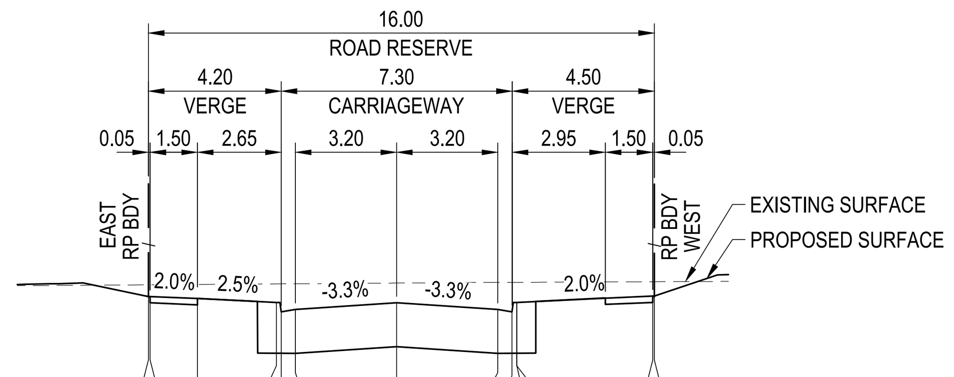
CH 483.271



DATUM RL 98.70

PROPOSED LEVEL	99.707	99.706	99.676	99.614	99.463	99.503	99.610	99.503	99.463	99.614	99.683	99.713	99.714
EXISTING LEVEL	99.913	99.913	99.922	99.937	99.938	99.941	99.960	99.979	99.982	99.983	99.998	100.004	100.004
OFFSET	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

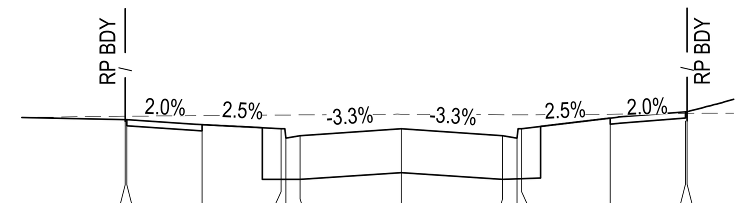
CH 514.271



DATUM RL 98.80

PROPOSED LEVEL	99.851	99.850	99.820	99.757	99.607	99.647	99.754	99.647	99.607	99.757	99.757	99.857	99.858
EXISTING LEVEL	100.037	100.037	100.042	100.051	100.052	100.053	100.064	100.075	100.075	100.076	100.076	100.085	100.085
OFFSET	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	3.800	8.100	8.150

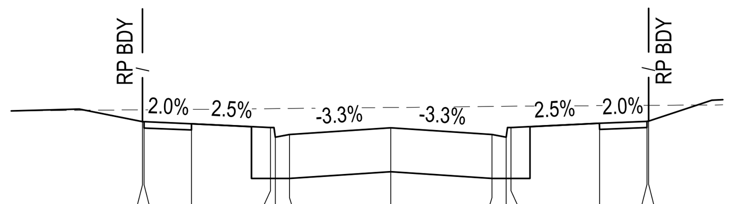
CH 540.000



DATUM RL 99.00

PROPOSED LEVEL	100.098	100.097	100.017	99.955	99.805	99.844	99.951	99.845	99.805	99.955	100.123	100.220	100.221
EXISTING LEVEL	100.151	100.151	100.160	100.170	100.170	100.172	100.184	100.175	100.174	100.174	100.184	100.195	100.196
OFFSET	-8.730	-8.680	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.980	9.030

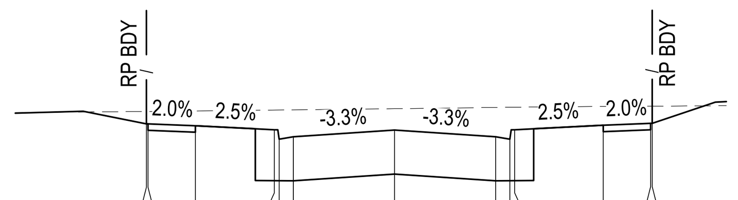
CH 572.905



DATUM RL 98.50

PROPOSED LEVEL	99.536	99.535	99.505	99.442	99.292	99.332	99.439	99.332	99.292	99.442	99.512	99.542	99.543
EXISTING LEVEL	99.724	99.724	99.730	99.741	99.742	99.744	99.760	99.776	99.778	99.779	99.789	99.794	99.794
OFFSET	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

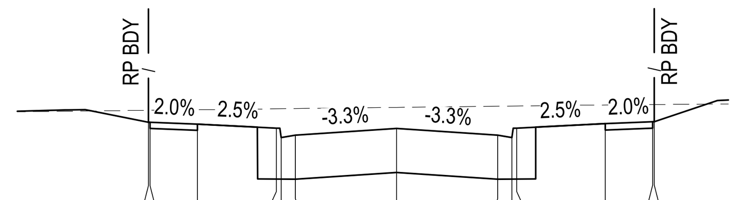
CH 480.000



DATUM RL 98.70

PROPOSED LEVEL	99.636	99.635	99.605	99.542	99.392	99.432	99.539	99.432	99.392	99.542	99.612	99.642	99.643
EXISTING LEVEL	99.830	99.831	99.837	99.852	99.853	99.856	99.875	99.894	99.896	99.897	99.909	99.914	99.914
OFFSET	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

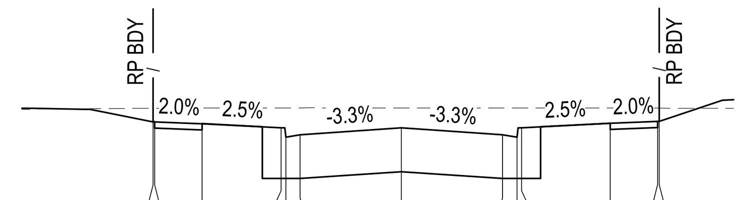
CH 500.000



DATUM RL 98.80

PROPOSED LEVEL	99.761	99.760	99.730	99.667	99.517	99.557	99.664	99.557	99.517	99.667	99.737	99.767	99.768
EXISTING LEVEL	99.948	99.949	99.957	99.972	99.973	99.976	99.995	100.014	100.017	100.018	100.033	100.040	100.040
OFFSET	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

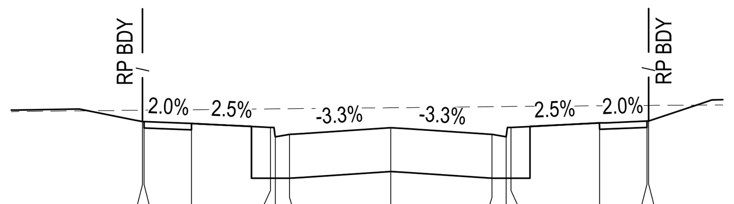
CH 524.996



DATUM RL 99.00

PROPOSED LEVEL	99.971	99.970	99.940	99.877	99.727	99.767	99.874	99.767	99.727	99.877	99.947	99.977	99.978
EXISTING LEVEL	100.185	100.185	100.187	100.190	100.190	100.191	100.190	100.189	100.188	100.188	100.187	100.187	100.187
OFFSET	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

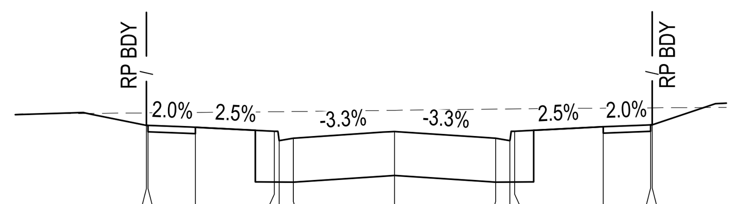
CH 560.000



DATUM RL 98.50

PROPOSED LEVEL	99.487	99.486	99.456	99.394	99.243	99.283	99.390	99.283	99.243	99.394	99.463	99.493	99.494
EXISTING LEVEL	99.666	99.666	99.674	99.687	99.687	99.690	99.706	99.722	99.724	99.725	99.737	99.741	99.742
OFFSET	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

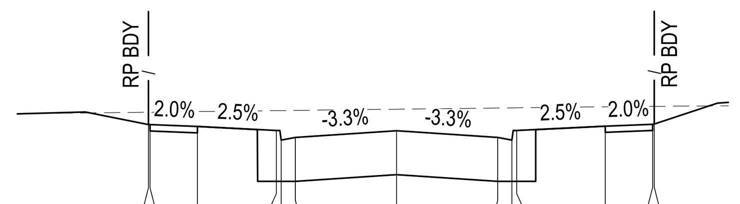
CH 470.271



DATUM RL 98.70

PROPOSED LEVEL	99.624	99.623	99.593	99.531	99.381	99.421	99.528	99.421	99.381	99.531	99.601	99.631	99.632
EXISTING LEVEL	99.820	99.820	99.826	99.838	99.839	99.842	99.861	99.880	99.883	99.884	99.895	99.900	99.900
OFFSET	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

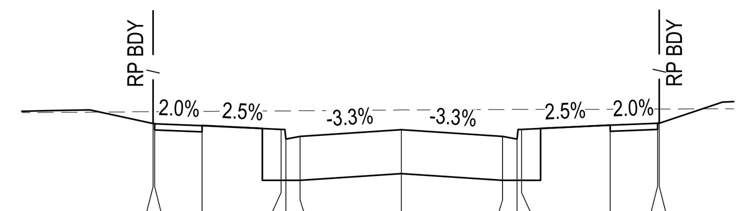
CH 497.771



DATUM RL 98.80

PROPOSED LEVEL	99.736	99.735	99.705	99.642	99.492	99.532	99.639	99.532	99.492	99.642	99.712	99.742	99.743
EXISTING LEVEL	99.932	99.932	99.941	99.956	99.957	99.959	99.979	99.998	100.000	100.001	100.017	100.023	100.024
OFFSET	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

CH 520.000



DATUM RL 98.80

PROPOSED LEVEL	99.861	99.860	99.830	99.768	99.618	99.658	99.765	99.658	99.618	99.768	99.838	99.868	99.869
EXISTING LEVEL	100.049	100.049	100.054	100.063	100.063	100.065	100.077	100.085	100.085	100.085	100.089	100.092	100.092
OFFSET	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

CH 541.800

CHERRYPOOL CRESCENT (MC05) - CROSS SECTIONS

SCALE 1:200 HORI.
1:100 VERT.

Issue	Description	DR	CH	VE	Date
03	UPDATED FOR REGISTRATION OF ENGINEERS	CM	CS	IOC	12.07.23
02	REMOVING KERB PINCH POINTS	MR	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

0 5 10 15 20m
1 : 200

0 2 4 6 8 10m
1 : 100

Planner

RobertsDay
planning·design·place

Client

RESIMAX GROUP

Status

FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures

Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

CHERRYPOOL CRESCENT (MC05)
CROSS SECTIONS
SHEET 2

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 18, Queen & Collins Tower
376-390 Collins Street
Melbourne VIC 3000 Australia
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

Project No.	Originator	Zone / Stage / Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0246	03

100mm on Original

DRAWING REMOVED FROM SET

Issue	Description	DR	CH	VE	Date
03	UPDATED FOR REGISTRATION OF ENGINEERS	CM	CS	IOC	12.07.23
02	REMOVING KERB PINCH POINTS	MR	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

0 5 10 15 20m

1 : 200

0 2 4 6 8 10m

1 : 100

Planner

RobertsDay planning·design·place

Client

RESIMAX GROUP

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

CHERRYPOOL CRESCENT (MC05)
CROSS SECTIONS
SHEET 3

ARCADIS

Arcadis Australia Pacific Pty Limited
Level 18, Queen & Collins Tower
376-390 Collins Street
Melbourne VIC 3000 Australia
ABN 76 104 485 289

Tel No: +61 3 8623 4000
www.arcadis.com

Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0247	03

100mm on Original

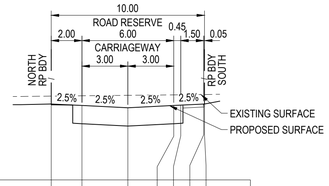
Date Plotted: 14 Mar 2023 - 02:58pm File Name: C:\Users\reyesm1531\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0240-RoadLS-XS.dwg V2

NOTE:

1. FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.
2. STRUCTURAL FILL IS REQUIRED WHERE FOOTPATH OR PAVEMENT IS CONSTRUCTED ABOVE EXISTING SURFACE.

LEGEND

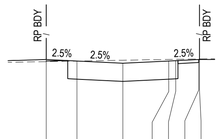
STRUCTURAL FILL



DATUM RL 98.00

PROPOSED LEVEL	99.077	99.027	98.952	99.027	99.038	99.075	99.077	
EXISTING LEVEL	99.333	99.343	99.359	99.374	99.376	99.385	99.385	
OFFSET	-5.000	-3.000	0.000	3.000	3.450	4.950	5.000	

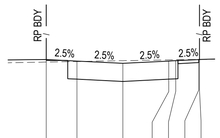
CH 37.850



DATUM RL 98.00

PROPOSED LEVEL	99.562	99.512	99.437	99.512	99.523	99.560	99.562	
EXISTING LEVEL	99.490	99.508	99.535	99.563	99.567	99.576	99.577	
OFFSET	-5.000	-3.000	0.000	3.000	3.450	4.950	5.000	

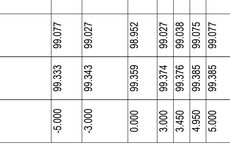
CH 20.000



DATUM RL 98.00

PROPOSED LEVEL	99.603	99.553	99.478	99.553	99.564	99.602	99.603	
EXISTING LEVEL	99.520	99.538	99.565	99.591	99.595	99.604	99.604	
OFFSET	-5.000	-3.000	0.000	3.000	3.450	4.950	5.000	

CH 14.330



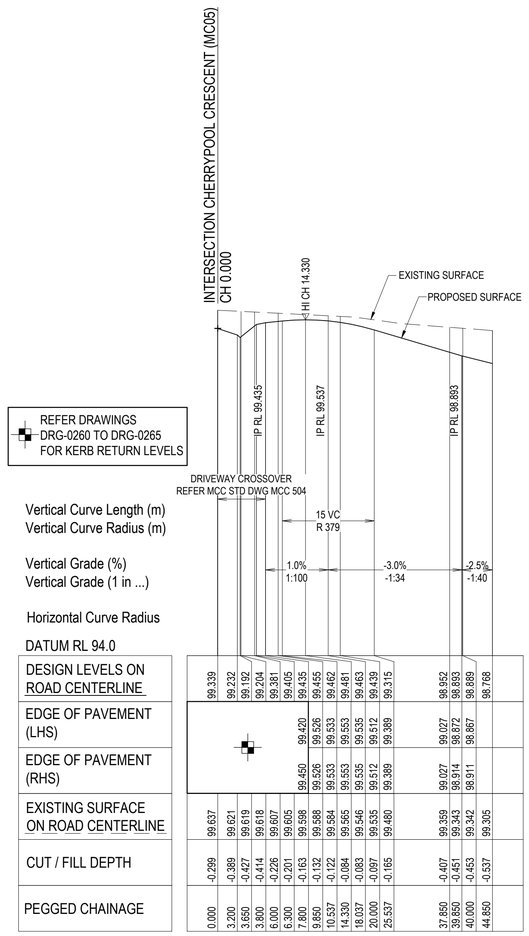
DATUM RL 98.00

PROPOSED LEVEL	99.576	99.526	99.451	99.526	99.537	99.575	99.576	
EXISTING LEVEL	99.543	99.561	99.588	99.614	99.618	99.626	99.627	
OFFSET	-5.000	-3.000	0.000	3.000	3.450	4.950	5.000	

CH 09.850

OZENKADNOOK WAY (MC07) - CROSS SECTIONS

SCALE 1:200 HORI.
1:100 VERT.



DESIGN LEVELS ON ROAD CENTERLINE	99.339	99.232	99.192	99.204	99.381	99.405	99.435	99.455	99.462	99.481	99.463	99.439	99.315	98.952	98.893	98.889	98.768									
EDGE OF PAVEMENT (LHS)							99.420	99.526	99.533	99.553	99.535	99.512	99.389	99.027	98.872	98.867										
EDGE OF PAVEMENT (RHS)							99.450	99.526	99.533	99.553	99.535	99.512	99.389	99.027	98.914	98.911										
EXISTING SURFACE ON ROAD CENTERLINE	99.637	99.621	99.619	99.618	99.607	99.605	99.598	99.588	99.584	99.565	99.546	99.535	99.480	99.359	99.343	99.342	99.305									
CUT / FILL DEPTH	-0.299	-0.389	-0.427	-0.414	-0.226	-0.201	-0.163	-0.132	-0.122	-0.084	-0.083	-0.097	-0.165	-0.407	-0.451	-0.453	-0.537									
PEGGED CHAINAGE	0.000	3.200	3.650	3.800	6.000	6.300	7.800	9.850	10.537	14.330	18.037	20.000	25.537	37.850	39.850	40.000	44.850									

OZENKADNOOK WAY (MC07) - LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:50 VERT.

Issue	Description	DR	CH	VE	Date
03	UPDATED FOR REGISTRATION OF ENGINEERS	CM	CS	IOC	12.07.23
02	REMOVING KERB PINCH POINTS	MR	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR REVIEW	CM	HA	IOC	11.11.22

100mm on Original

Scales
1 : 500 (0 10 20 30 40 50m)
1 : 200 (0 5 10 15 20m)
1 : 100 (0 2 4 6 8 10m)
1 : 50 (0 1 2 3 4 5m)

Planner: RobertsDay planning·design·place

Client: RESIMAX GROUP

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project: EYNESBURY TOWNSHIP STAGE 22A CITY OF MELTON

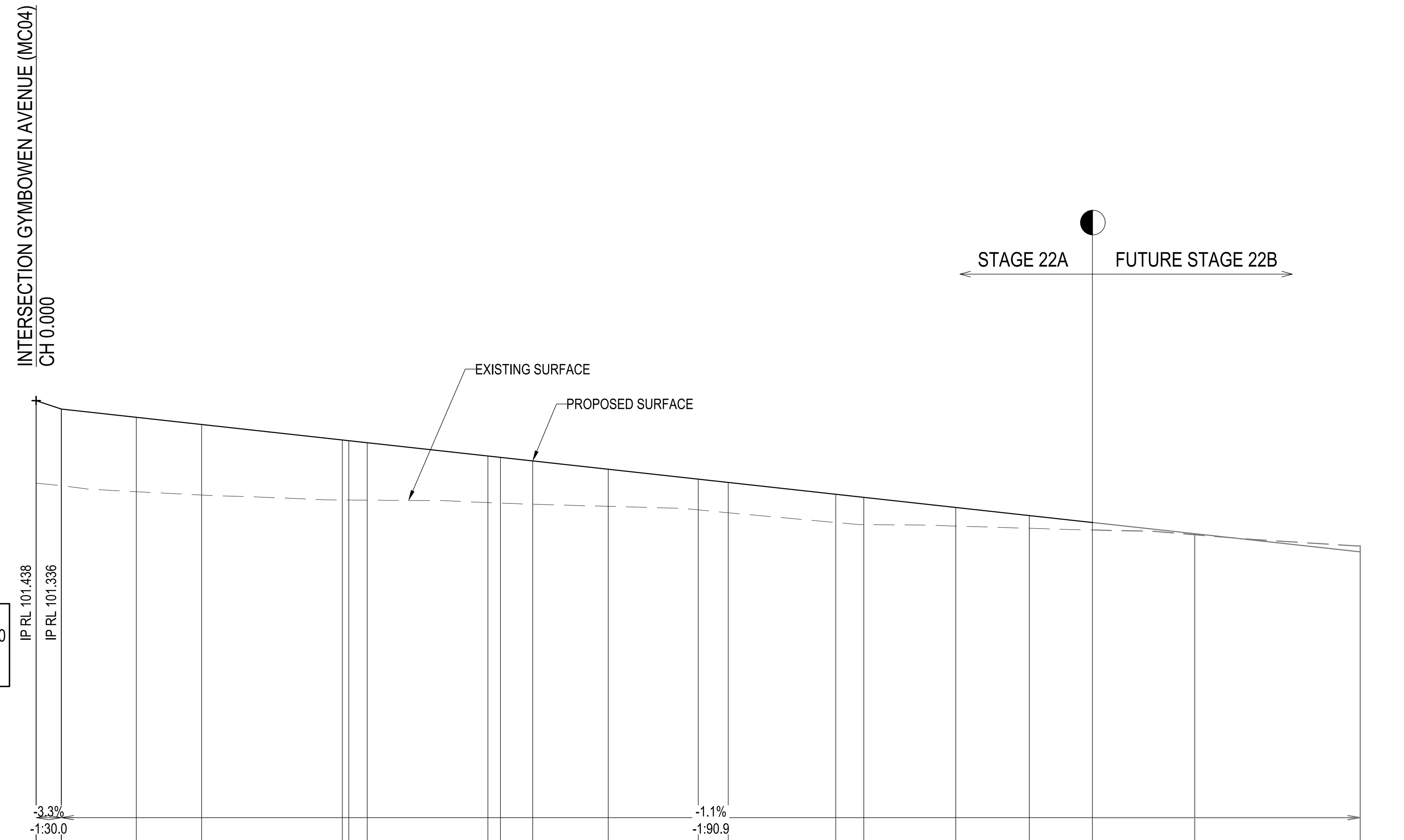
Title: OZENKADNOOK WAY (MC07) LONGITUDINAL SECTION & CROSS SECTIONS

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 18, Queen & Collins Tower
376-390 Collins Street
Melbourne VIC 3000 Australia
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0248	03

NOTE:
1. FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.
2. STRUCTURAL FILL IS REQUIRED WHERE FOOTPATH OR PAVEMENT IS CONSTRUCTED ABOVE EXISTING SURFACE.

LEGEND
STRUCTURAL FILL



REFER DRAWINGS DRG-0260 FOR KERB RETURN LEVELS

Vertical Curve Length (m)
Vertical Curve Radius (m)

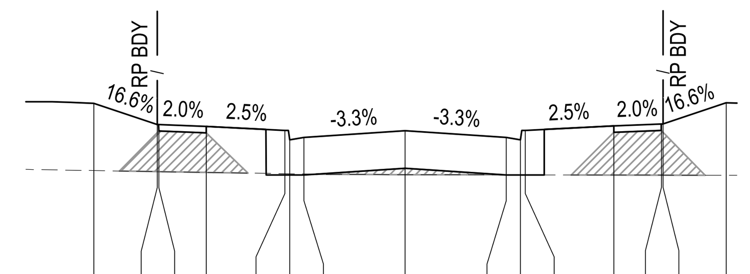
Vertical Grade (%) -3.3% / -1.1%
Vertical Grade (1 in ...) -1:30.0 / -1:90.9

Horizontal Curve Radius R.30.00

DATUM RL 95.0

DESIGN LEVELS ON ROAD CENTERLINE	101.438	101.336	101.237	101.150	100.963	100.954	100.930	100.769	100.752	100.710	100.609	100.490	100.450	100.307	100.270	100.147	100.050	99.966	99.830	99.610
DESIGN LIP OF KERB (LHS)			101.130	101.043	100.856	100.848	100.823	100.663	100.646	100.603	100.503	100.383	100.343	100.200	100.163	100.041	99.943	99.859	99.723	99.503
DESIGN LIP OF KERB (RHS)			101.130	101.043	100.856	100.848	100.823	100.663	100.646	100.603	100.503	100.383	100.343	100.200	100.163	100.041	99.943	99.859	99.723	99.503
EXISTING SURFACE ON ROAD CENTERLINE	100.441	100.410	100.338	100.297	100.237	100.237	100.235	100.206	100.200	100.185	100.161	100.117	100.083	99.965	99.940	99.922	99.895	99.875	99.818	99.683
CUT / FILL DEPTH	0.997	0.926	0.899	0.853	0.726	0.718	0.695	0.563	0.553	0.524	0.449	0.373	0.367	0.342	0.330	0.225	0.155	0.091	0.012	-0.073
PEGGED CHAINAGE	0.000	3.050	12.100	20.000	37.000	37.779	40.000	54.584	56.116	60.000	69.116	80.000	83.616	96.616	100.000	111.116	120.000	127.616	140.000	160.000

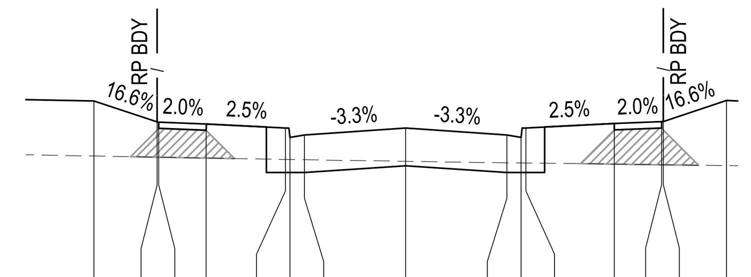
GOROKE STREET (MC09) - LONGITUDINAL SECTION
SCALE 1:500 HORI.
1:50 VERT.



DATUM RL 100.00

PROPOSED LEVEL	101.360	101.027	101.026	100.996	100.933	100.783	100.823	100.930	100.823	100.783	100.933	101.003	101.033	101.035	101.367
EXISTING LEVEL	100.300	100.283	100.282	100.270	100.249	100.248	100.244	100.235	100.232	100.231	100.231	100.229	100.227	100.227	100.225
OFFSET	-9.840	-7.840	-7.790	-6.290	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.610	8.110	8.160	10.160

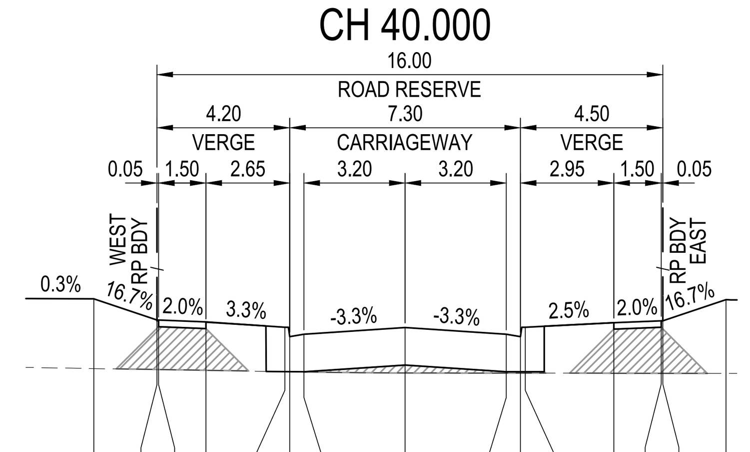
CH 40.000



DATUM RL 99.50

PROPOSED LEVEL	101.140	100.807	100.806	100.776	100.713	100.563	100.603	100.710	100.603	100.563	100.713	100.783	100.813	100.814	101.147
EXISTING LEVEL	100.269	100.251	100.250	100.237	100.215	100.214	100.210	100.185	100.163	100.160	100.159	100.141	100.131	100.131	100.118
OFFSET	-9.850	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150	10.150

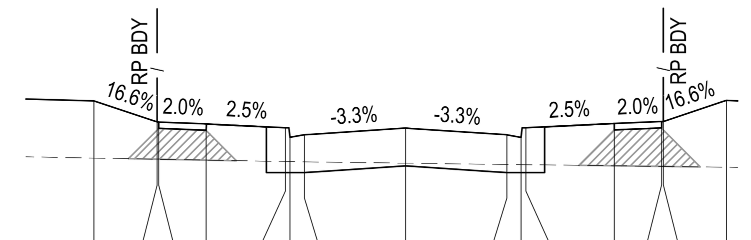
CH 60.000



DATUM RL 100.00

PROPOSED LEVEL	101.404	101.071	101.070	101.040	100.958	100.808	100.848	100.954	100.848	100.808	100.958	101.028	101.058	101.059	101.392
EXISTING LEVEL	100.306	100.289	100.289	100.277	100.257	100.256	100.252	100.237	100.234	100.233	100.233	100.231	100.229	100.229	100.228
OFFSET	-9.850	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150	10.150

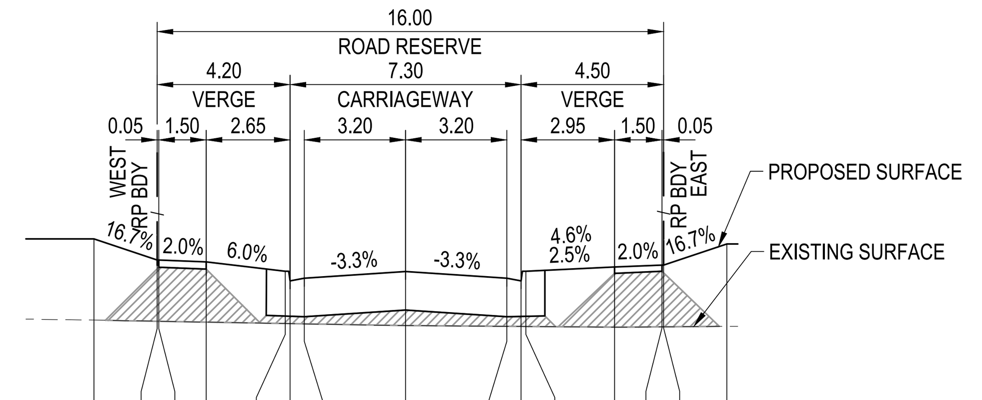
CH 37.779



DATUM RL 100.00

PROPOSED LEVEL	101.183	100.849	100.848	100.818	100.756	100.606	100.646	100.752	100.646	100.606	100.756	100.826	100.856	100.857	101.190
EXISTING LEVEL	100.279	100.261	100.261	100.247	100.225	100.224	100.221	100.200	100.179	100.176	100.175	100.158	100.148	100.148	100.135
OFFSET	-9.850	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150	10.150

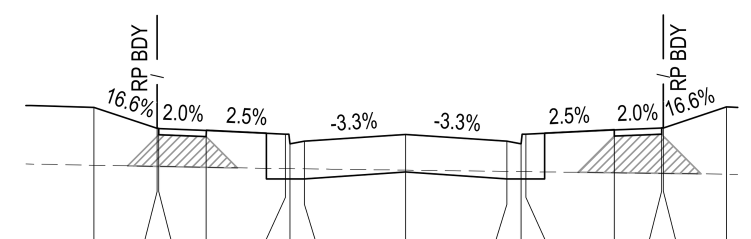
CH 56.116



DATUM RL 100.00

PROPOSED LEVEL	101.668	101.334	101.333	101.303	101.153	101.003	101.043	101.150	101.043	101.003	101.153	101.223	101.253	101.254	101.588
EXISTING LEVEL	100.382	100.365	100.364	100.350	100.328	100.326	100.322	100.297	100.284	100.282	100.281	100.270	100.275	100.275	100.282
OFFSET	-9.850	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150	10.150

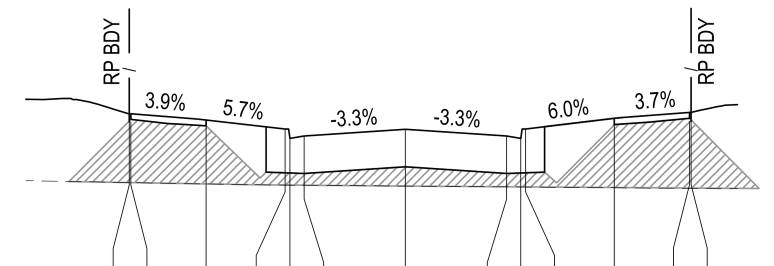
CH 20.000



DATUM RL 100.00

PROPOSED LEVEL	101.200	100.866	100.865	100.835	100.773	100.623	100.663	100.769	100.663	100.623	100.773	100.843	100.873	100.874	101.207
EXISTING LEVEL	100.284	100.266	100.265	100.251	100.230	100.229	100.226	100.206	100.186	100.183	100.182	100.164	100.155	100.154	100.142
OFFSET	-9.850	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150	10.150

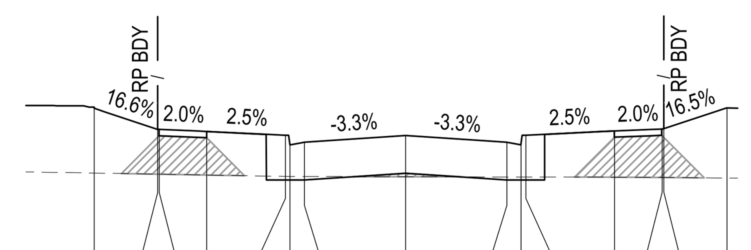
CH 54.584



DATUM RL 100.00

PROPOSED LEVEL	101.481	101.479	101.390	101.240	101.090	101.130	101.237	101.130	101.090	101.240	101.408	101.501	101.502
EXISTING LEVEL	100.393	100.393	100.371	100.353	100.352	100.351	100.338	100.324	100.323	100.322	100.311	100.301	100.301
OFFSET	-8.730	-8.680	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.980	9.030

CH 12.100



DATUM RL 100.00

PROPOSED LEVEL	101.313	100.980	100.979	100.949	100.887	100.737	100.777	100.884	100.777	100.748	100.887	100.957	100.987	100.991	101.321
EXISTING LEVEL	100.291	100.273	100.273	100.259	100.237	100.236	100.235	100.232	100.229	100.228	100.228	100.225	100.221	100.221	100.212
OFFSET	-9.840	-7.840	-7.790	-6.290	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.610	8.110	8.160	10.160

CH 44.182

GOROKE STREET (MC09) - CROSS SECTIONS
SCALE 1:200 HORI.
1:100 VERT.

Issue	Description	DR	CH	VE	Date
03	UPDATED FOR REGISTRATION OF ENGINEERS	CM	CS	IOC	12.07.23
02	REMOVING KERB PINCH POINTS	MR	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales
0 10 20 30 40 50m — 1 : 500
0 5 10 15 20m — 1 : 200
0 2 4 6 8 10m — 1 : 100
0 1 2 3 4 5m — 1 : 50

Planner
RobertsDay planning·design·place

Client
RESIMAX GROUP

Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures

Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project
EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title
GOROKE STREET (MC09)
LONGITUDINAL SECTION &
CROSS SECTIONS

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 18, Queen & Collins Tower
376-390 Collins Street
Melbourne VIC 3000 Australia
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

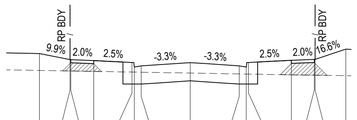
Project No.	Originator	Zone / Stage / Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0249	03

NOTE:

1. FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.
2. STRUCTURAL FILL IS REQUIRED WHERE FOOTPATH OR PAVEMENT IS CONSTRUCTED ABOVE EXISTING SURFACE.

LEGEND

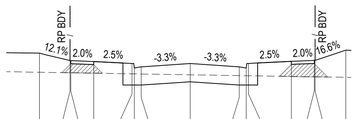
STRUCTURAL FILL



DATUM RL 99.50

PROPOSED LEVEL	100.604	100.404	100.403	100.373	100.310	100.160	100.200	100.307	100.200	100.160	100.310	100.380	100.410	100.411	100.745
EXISTING LEVEL	100.051	100.034	100.033	100.020	99.998	99.997	99.993	99.965	99.937	99.933	99.932	99.907	99.895	99.895	99.881
OFFSET	-9.850	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150	10.150

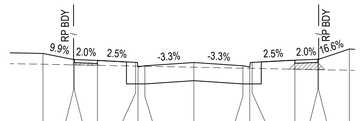
CH 96.616



DATUM RL 99.50

PROPOSED LEVEL	100.790	100.547	100.546	100.516	100.453	100.303	100.343	100.450	100.343	100.303	100.453	100.523	100.553	100.554	100.888
EXISTING LEVEL	100.167	100.150	100.150	100.137	100.115	100.114	100.110	100.083	100.057	100.054	100.052	100.030	100.018	100.017	100.001
OFFSET	-9.850	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150	10.150

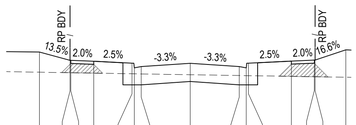
CH 83.616



DATUM RL 99.00

PROPOSED LEVEL	100.347	100.147	100.146	100.116	100.053	99.903	99.943	100.050	99.943	99.903	100.053	100.123	100.153	100.154	100.487
EXISTING LEVEL	99.992	99.972	99.972	99.957	99.933	99.931	99.927	99.895	99.864	99.859	99.858	99.830	99.816	99.815	99.795
OFFSET	-9.850	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150	10.150

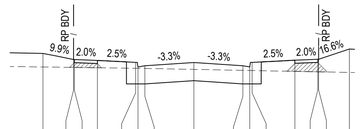
CH 120.000



DATUM RL 99.50

PROPOSED LEVEL	100.859	100.587	100.586	100.556	100.493	100.343	100.383	100.490	100.383	100.343	100.493	100.563	100.593	100.594	100.927
EXISTING LEVEL	100.199	100.182	100.182	100.169	100.148	100.147	100.143	100.117	100.091	100.088	100.086	100.064	100.052	100.051	100.035
OFFSET	-9.850	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150	10.150

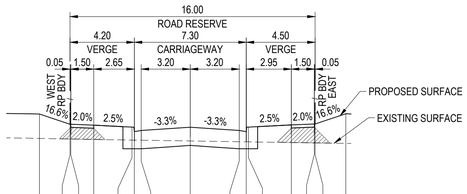
CH 80.000



DATUM RL 99.00

PROPOSED LEVEL	100.444	100.244	100.243	100.213	100.151	100.001	100.041	100.147	100.041	100.001	100.151	100.221	100.251	100.252	100.585
EXISTING LEVEL	100.001	99.987	99.986	99.976	99.958	99.957	99.953	99.922	99.891	99.886	99.885	99.857	99.842	99.842	99.822
OFFSET	-9.850	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150	10.150

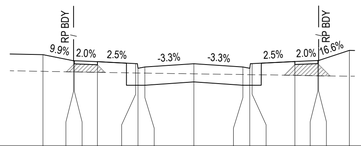
CH 111.116



DATUM RL 99.50

PROPOSED LEVEL	101.040	100.706	100.705	100.675	100.613	100.463	100.503	100.609	100.503	100.463	100.613	100.683	100.713	100.714	101.047
EXISTING LEVEL	100.244	100.225	100.225	100.211	100.190	100.189	100.185	100.161	100.136	100.132	100.131	100.110	100.098	100.098	100.082
OFFSET	-9.850	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150	10.150

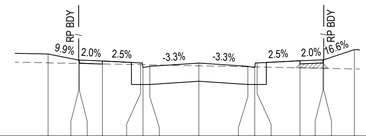
CH 69.116



DATUM RL 99.00

PROPOSED LEVEL	100.567	100.367	100.366	100.336	100.273	100.123	100.163	100.270	100.163	100.123	100.273	100.343	100.373	100.374	100.707
EXISTING LEVEL	100.020	100.003	100.003	99.990	99.968	99.966	99.963	99.940	99.917	99.914	99.913	99.891	99.876	99.875	99.863
OFFSET	-9.850	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150	10.150

CH 100.000



DATUM RL 99.00

PROPOSED LEVEL	100.263	100.063	100.062	100.032	99.969	99.819	99.859	99.966	99.859	99.819	99.969	100.039	100.069	100.070	100.404
EXISTING LEVEL	99.973	99.953	99.952	99.937	99.913	99.911	99.907	99.875	99.843	99.839	99.837	99.809	99.794	99.794	99.774
OFFSET	-9.850	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150	10.150

CH 127.616

GOROKE STREET (MC09) - CROSS SECTIONS

SCALE 1:200 HORI.
1:100 VERT.

Issue	Description	DR	CH	VE	Date
03	UPDATED FOR REGISTRATION OF ENGINEERS	CM	CS	IOC	12.07.23
02	REMOVING KERB PINCH POINTS	MR	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

100mm on Original

Scales

0 5 10 15 20m
1 : 200

0 2 4 6 8 10m
1 : 100

Planner

RobertsDay planning·design·place

Client

RESIMAX GROUP

Status

FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

GOROKE STREET (MC09)
CROSS SECTIONS

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 18, Queen & Collins Tower
376-390 Collins Street
Melbourne VIC 3000 Australia
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

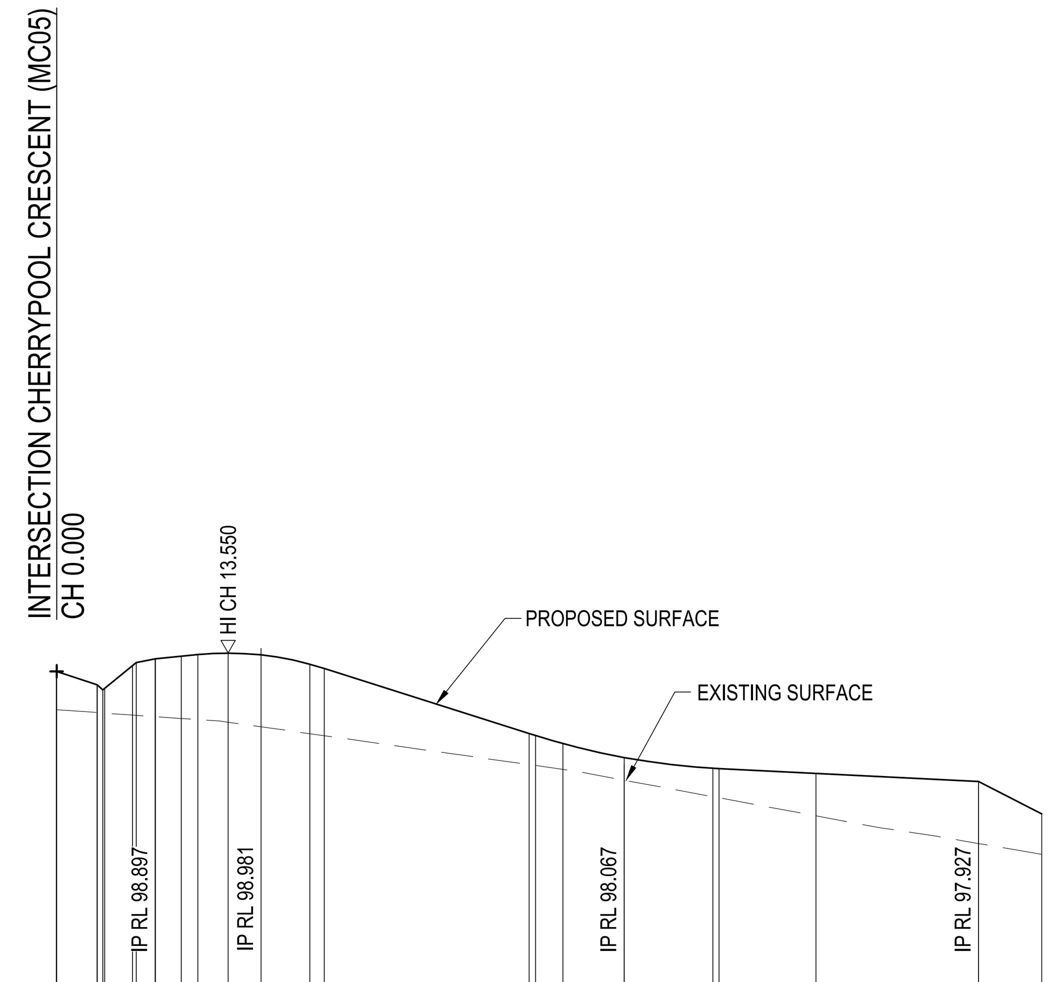
Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0250	03

Date Plotted: 14 Mar 2023 - 03:18pm File Name: C:\Users\reyesm1531\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0240-RoadLS-XS.dwg V2

NOTE:
1. FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.
2. STRUCTURAL FILL IS REQUIRED WHERE FOOTPATH OR PAVEMENT IS CONSTRUCTED ABOVE EXISTING SURFACE.

LEGEND

STRUCTURAL FILL



REFER DRAWINGS DRG-0260 TO DRG-0265 FOR KERB RETURN LEVELS

DRIVEWAY CROSSOVER
REFER MCC STD DWG MCC 504

Vertical Curve Length (m) / Vertical Curve Radius (m): 10 VC R 239; 15 VC R 559

Vertical Grade (%) / Vertical Grade (1 in ...): 1.0% 1:100; -3.2% -1:31; -0.5% -1:200; -5.1% -1:20

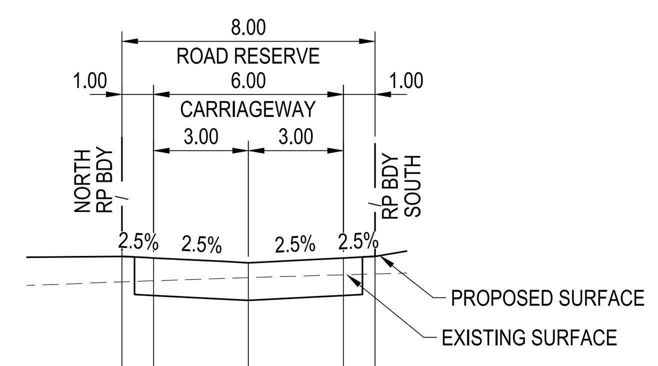
Horizontal Curve Radius

DATUM RL 93.0

DESIGN LEVELS ON ROAD CENTERLINE	98.799	98.692	98.652	98.664	98.843	98.867	98.897	98.918	98.931	98.943	98.929	98.856	98.822	98.306	98.290	98.228	98.118	98.033	98.030	97.992	97.927	97.673
EDGE OF PAVEMENT (LHS)						98.854	98.884	98.991	99.003	99.013	98.997	98.925	98.891	98.379	98.364	98.302	98.193	98.108	98.105	98.067	98.002	
EDGE OF PAVEMENT (RHS)						98.880	98.910	98.991	99.003	99.013	98.997	98.925	98.891	98.379	98.364	98.302	98.193	98.108	98.105	98.067	98.002	
EXISTING SURFACE ON ROAD CENTERLINE	98.495	98.473	98.470	98.469	98.453	98.451	98.441	98.427	98.417	98.397	98.360	98.306	98.290	98.062	98.055	98.024	97.939	97.808	97.799	97.657	97.438	97.352
CUT / FILL DEPTH	0.303	0.219	0.182	0.195	0.389	0.416	0.456	0.491	0.513	0.546	0.568	0.550	0.532	0.245	0.236	0.204	0.179	0.224	0.231	0.335	0.489	0.321
PEGGED CHAINAGE	0.000	3.200	3.650	3.800	6.000	6.300	7.800	9.850	11.160	13.550	16.160	20.000	21.160	37.350	37.850	40.000	44.850	51.850	52.350	60.000	72.850	77.850

KARNAK LANE (MC10) - LONGITUDINAL SECTION

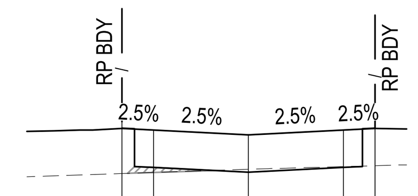
SCALE 1:500 HORI.
1:50 VERT.



DATUM RL 97.00

PROPOSED LEVEL	98.389	98.364	98.289	98.364	98.389
EXISTING LEVEL	97.986	98.005	98.055	98.098	98.111
OFFSET	-4.000	-3.000	0.000	3.000	4.000

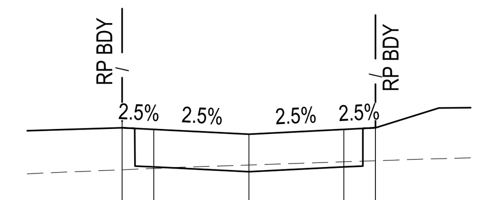
CH 37.850



DATUM RL 98.00

PROPOSED LEVEL	98.950	98.925	98.850	98.925	98.950
EXISTING LEVEL	98.240	98.256	98.306	98.349	98.363
OFFSET	-4.000	-3.000	0.000	3.000	4.000

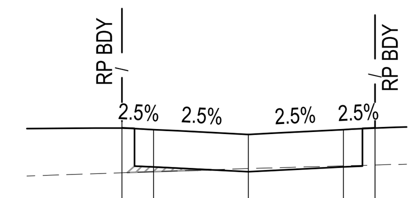
CH 20.000



DATUM RL 97.00

PROPOSED LEVEL	98.027	98.002	97.927	98.002	98.027
EXISTING LEVEL	97.363	97.384	97.438	97.489	97.506
OFFSET	-4.000	-3.000	0.000	3.000	4.000

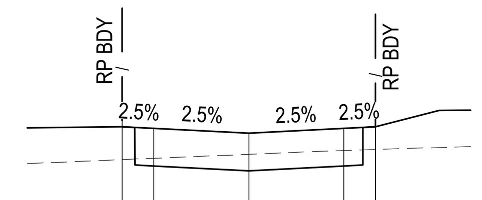
CH 72.850



DATUM RL 98.00

PROPOSED LEVEL	99.038	99.013	98.938	99.013	99.038
EXISTING LEVEL	98.331	98.347	98.397	98.440	98.454
OFFSET	-4.000	-3.000	0.000	3.000	4.000

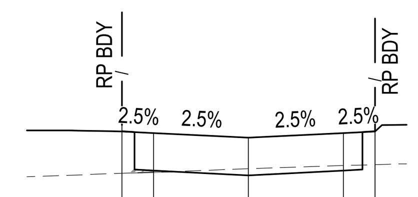
CH 13.550



DATUM RL 97.00

PROPOSED LEVEL	98.092	98.067	97.992	98.067	98.092
EXISTING LEVEL	97.573	97.594	97.657	97.716	97.732
OFFSET	-4.000	-3.000	0.000	3.000	4.000

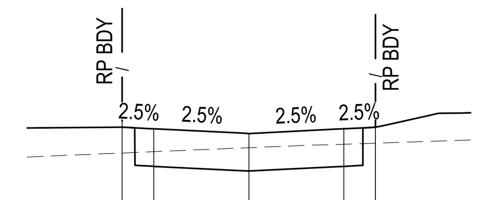
CH 60.000



DATUM RL 98.00

PROPOSED LEVEL	99.016	98.991	98.916	98.991	99.016
EXISTING LEVEL	98.353	98.371	98.427	98.477	98.491
OFFSET	-4.000	-3.000	0.000	3.000	4.000

CH 09.850



DATUM RL 97.00

PROPOSED LEVEL	98.133	98.108	98.033	98.108	98.133
EXISTING LEVEL	97.724	97.745	97.808	97.864	97.880
OFFSET	-4.000	-3.000	0.000	3.000	4.000

CH 51.850

KARNAK LANE (MC10) - CROSS SECTIONS

SCALE 1:200 HORI.
1:100 VERT.

Issue	Description	DR	CH	VE	Date
03	UPDATED FOR REGISTRATION OF ENGINEERS	CM	CS	IOC	12.07.23
02	REMOVING KERB PINCH POINTS	MR	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR REVIEW	CM	HA	IOC	11.11.22

Scales: 1 : 500 (0, 10, 20, 30, 40, 50m); 1 : 200 (0, 5, 10, 15, 20m); 1 : 100 (0, 2, 4, 6, 8, 10m); 1 : 50 (0, 1, 2, 3, 4, 5m)

Planner: RobertsDay planning·design·place

Client: RESIMAX GROUP

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project: EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title: KARNAK LANE (MC10)
LONGITUDINAL SECTION &
CROSS SECTIONS

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 18, Queen & Collins Tower
376-390 Collins Street
Melbourne VIC 3000 Australia
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

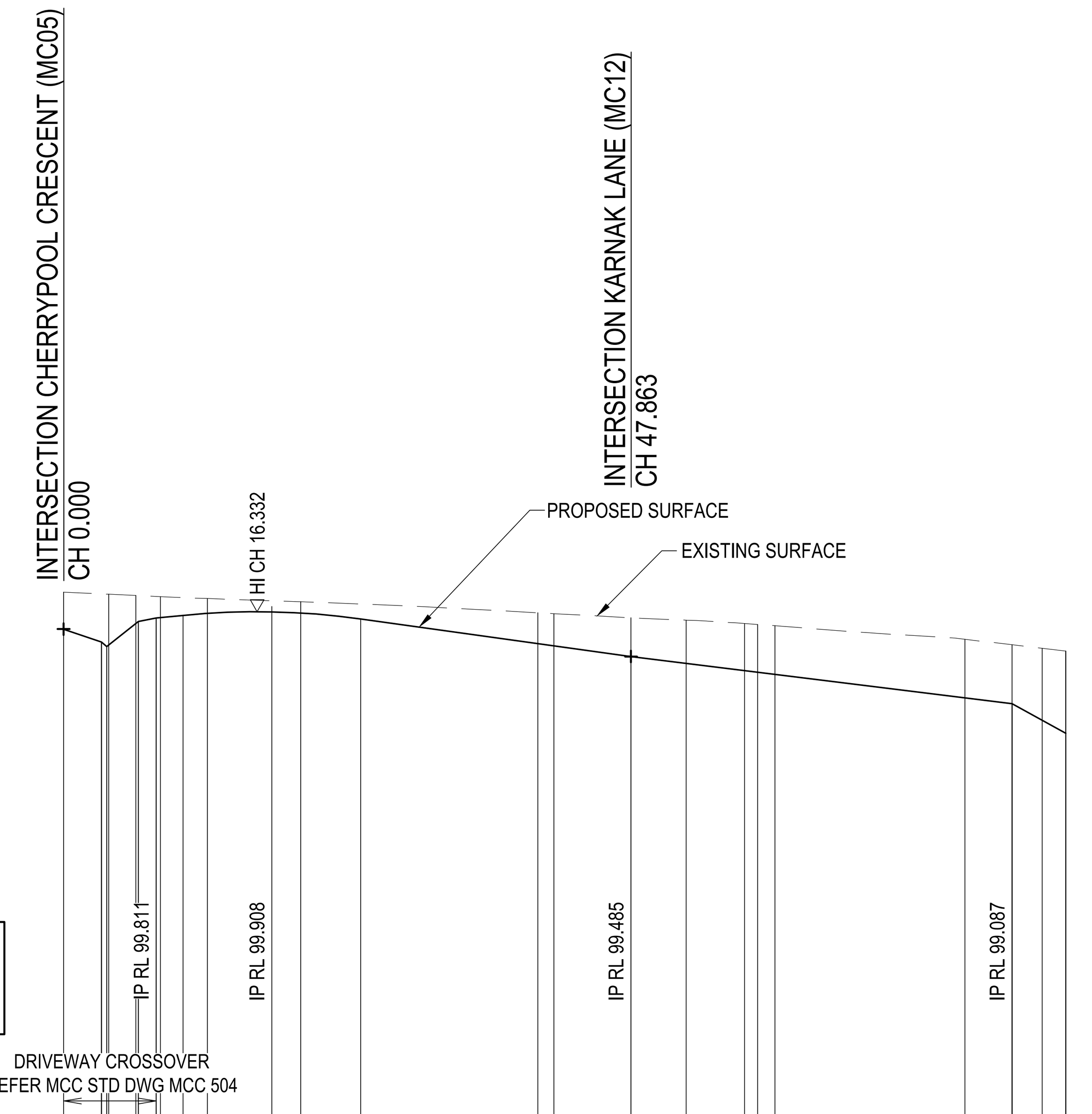
Project No.	Originator	Zone / Stage / Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0251	03

100mm on Original

NOTE:

1. FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.
2. STRUCTURAL FILL IS REQUIRED WHERE FOOTPATH OR PAVEMENT IS CONSTRUCTED ABOVE EXISTING SURFACE.

REFER DRAWINGS DRG-0260 TO DRG-0265 FOR KERB RETURN LEVELS



DRIVEWAY CROSSOVER
REFER MCC STD DWG MCC 504

Vertical Curve Length (m) / Vertical Curve Radius (m): 15 VC, R 626

Vertical Grade (%) / Vertical Grade (1 in ...): 1.0% 1:100; -1.4% -1:72; -1.2% -1:81; -5.5% -1:18

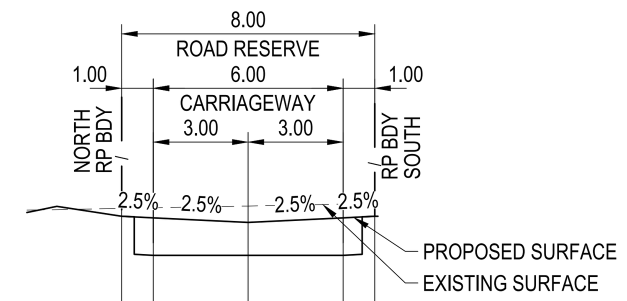
Horizontal Curve Radius: R.15.00; R.10.00

DATUM RL 93.0

PEGGED CHAINAGE	DESIGN LEVELS ON ROAD CENTERLINE	EDGE OF PAVEMENT (LHS)	EDGE OF PAVEMENT (RHS)	EXISTING SURFACE ON ROAD CENTERLINE	CUT / FILL DEPTH
0.000	99.717			100.030	-0.313
3.205	99.609			100.015	-0.406
3.656	99.569			100.013	-0.444
3.806	99.581			100.012	-0.431
6.094	99.764			100.002	-0.238
6.309	99.781			100.001	-0.220
7.811	99.811			99.993	-0.183
8.176	99.814	99.812	99.850	99.992	-0.177
10.074	99.833	99.908	99.908	99.983	-0.150
12.129	99.850	99.925	99.925	99.976	-0.125
16.332	99.865	99.940	99.940	99.961	-0.097
17.574	99.863	99.938	99.938	99.957	-0.094
20.000	99.854	99.929	99.929	99.948	-0.095
25.074	99.803	99.878	99.878	99.929	-0.125
40.000	99.595	99.670	99.670	99.856	-0.261
41.365	99.576	99.651	99.651	99.848	-0.272
47.863	99.485		99.560	99.813	-0.328
47.863	99.485		99.560	99.813	-0.328
52.519	99.427		99.502	99.793	-0.366
57.437	99.366		99.441	99.765	-0.398
58.535	99.353	99.428	99.428	99.756	-0.404
60.000	99.335	99.410	99.410	99.745	-0.411
76.031	99.136	99.211	99.211	99.632	-0.496
80.000	99.087	99.162	99.162	99.585	-0.499
82.535	98.947	99.022	99.022	99.556	-0.608
84.535	98.837			99.532	-0.695

KARNAK LANE (MC11) - LONGITUDINAL SECTION

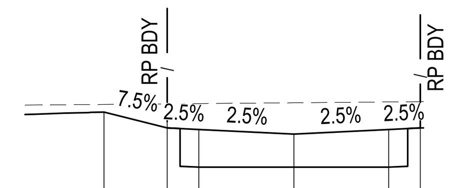
SCALE 1:500 HORI.
1:50 VERT.



DATUM RL 99.00

PROPOSED LEVEL	99.694	99.669	99.594	99.669	99.694
EXISTING LEVEL	99.817	99.827	99.856	99.884	99.891
OFFSET	-4.000	-3.000	0.000	3.000	4.000

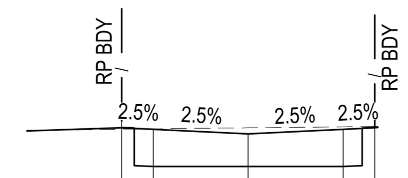
CH 40.000



DATUM RL 98.50

PROPOSED LEVEL	99.486	99.236	99.211	99.136	99.211	99.236
EXISTING LEVEL	99.606	99.615	99.619	99.632	99.645	99.649
OFFSET	-6.000	-4.000	-3.000	0.000	3.000	4.000

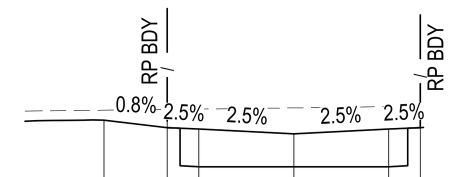
CH 76.031



DATUM RL 99.00

PROPOSED LEVEL	99.951	99.926	99.851	99.926	99.951
EXISTING LEVEL	99.927	99.932	99.948	99.964	99.970
OFFSET	-4.000	-3.000	0.000	3.000	4.000

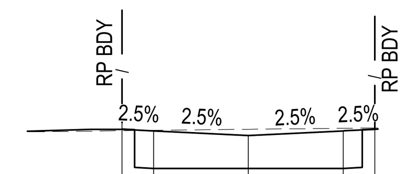
CH 20.000



DATUM RL 98.50

PROPOSED LEVEL	99.550	99.435	99.410	99.335	99.410	99.435
EXISTING LEVEL	99.709	99.721	99.727	99.745	99.764	99.770
OFFSET	-6.000	-4.000	-3.000	0.000	3.000	4.000

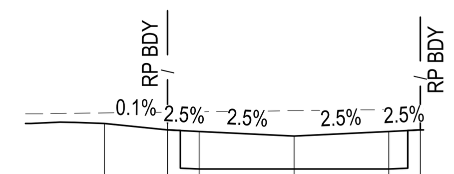
CH 60.000



DATUM RL 99.00

PROPOSED LEVEL	99.962	99.937	99.862	99.937	99.962
EXISTING LEVEL	99.939	99.944	99.961	99.978	99.983
OFFSET	-4.000	-3.000	0.000	3.000	4.000

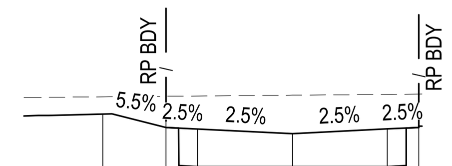
CH 16.332



DATUM RL 98.50

PROPOSED LEVEL	99.556	99.453	99.428	99.353	99.428	99.453
EXISTING LEVEL	99.720	99.732	99.738	99.756	99.775	99.781
OFFSET	-6.000	-4.000	-3.000	0.000	3.000	4.000

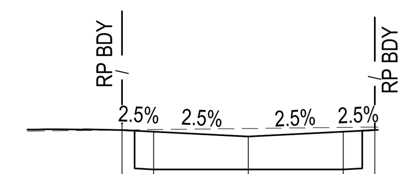
CH 58.535



DATUM RL 98.00

PROPOSED LEVEL	99.257	99.047	99.022	98.947	99.022	99.047
EXISTING LEVEL	99.530	99.538	99.543	99.556	99.568	99.573
OFFSET	-6.000	-4.000	-3.000	0.000	3.000	4.000

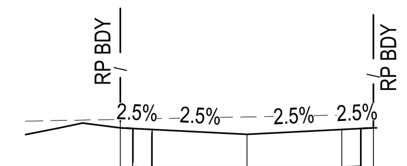
CH 82.535



DATUM RL 99.00

PROPOSED LEVEL	99.949	99.924	99.849	99.924	99.949
EXISTING LEVEL	99.952	99.958	99.976	99.992	99.998
OFFSET	-4.000	-3.000	0.000	3.000	4.000

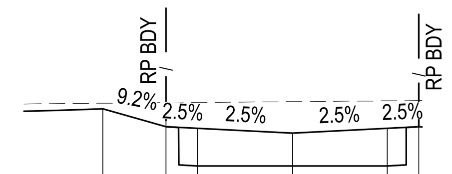
CH 12.129



DATUM RL 99.00

PROPOSED LEVEL	99.675	99.650	99.575	99.650	99.675
EXISTING LEVEL	99.810	99.819	99.848	99.877	99.885
OFFSET	-4.000	-3.000	0.000	3.000	4.000

CH 41.365



DATUM RL 98.00

PROPOSED LEVEL	99.470	99.187	99.162	99.087	99.162	99.187
EXISTING LEVEL	99.560	99.568	99.572	99.585	99.598	99.602
OFFSET	-6.000	-4.000	-3.000	0.000	3.000	4.000

CH 80.000

KARNAK LANE (MC11) - CROSS SECTIONS

SCALE 1:200 HORI.
1:100 VERT.

Issue	Description	DR	CH	VE	Date
03	UPDATED FOR REGISTRATION OF ENGINEERS	CM	CS	IOC	12.07.23
02	REMOVING KERB PINCH POINTS	MR	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales: 1 : 500 (0, 10, 20, 30, 40, 50m); 1 : 200 (0, 5, 10, 15, 20m); 1 : 100 (0, 2, 4, 6, 8, 10m); 1 : 50 (0, 1, 2, 3, 4, 5m)

Planner: RobertsDay planning·design·place

Client: RESIMAX GROUP

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project: EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title: KARNAK LANE (MC11)
LONGITUDINAL SECTION &
CROSS SECTIONS

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 18, Queen & Collins Tower
376-390 Collins Street
Melbourne VIC 3000 Australia
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

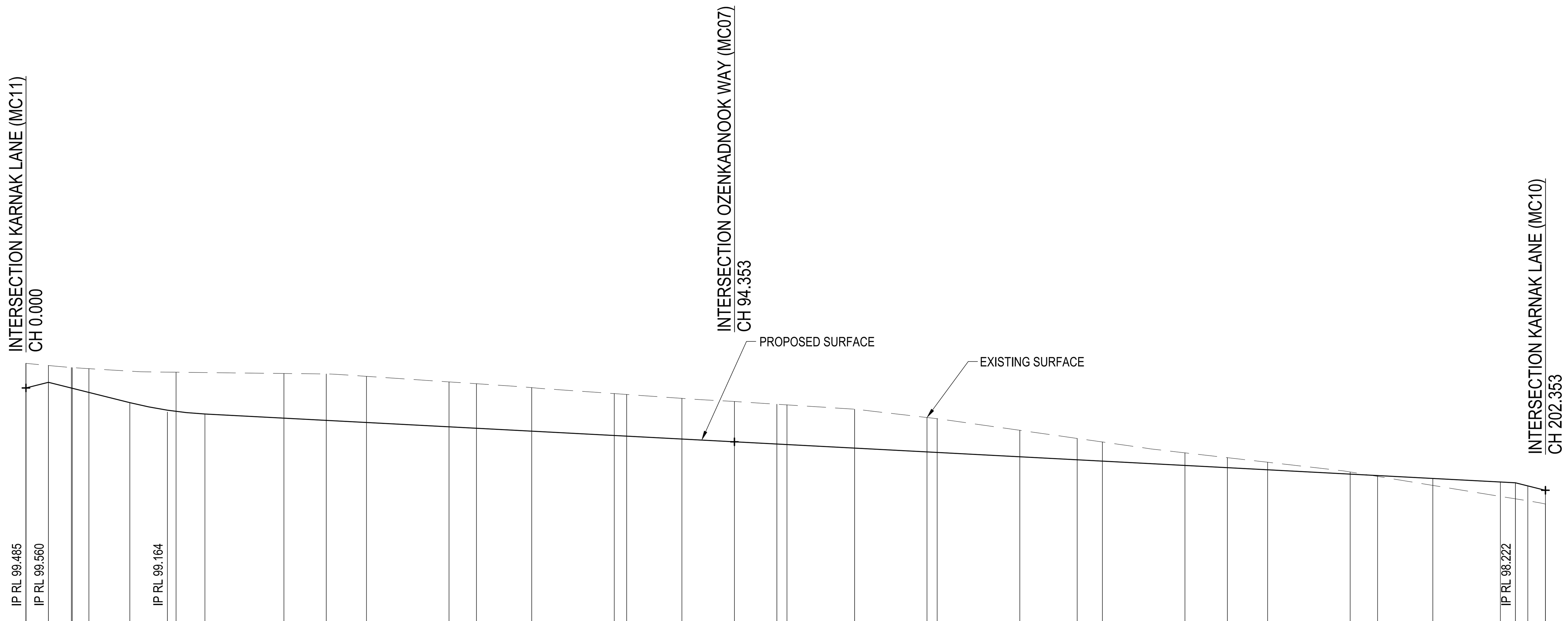
Project No.	Originator	Zone / Stage / Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0252	03

100mm on Original

NOTE:
1. FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.
2. STRUCTURAL FILL IS REQUIRED WHERE FOOTPATH OR PAVEMENT IS CONSTRUCTED ABOVE EXISTING SURFACE.

LEGEND

(hatched) STRUCTURAL FILL



REFER DRAWINGS DRG-0260 TO DRG-0265 FOR KERB RETURN LEVELS

Vertical Curve Length (m) / Vertical Curve Radius (m): 10 VC, R 506

Vertical Grade (%) / Vertical Grade (1 in ...): 2.5% 1:40; -2.5% -1:40; -0.5% -1:190; -2.5% -1:40

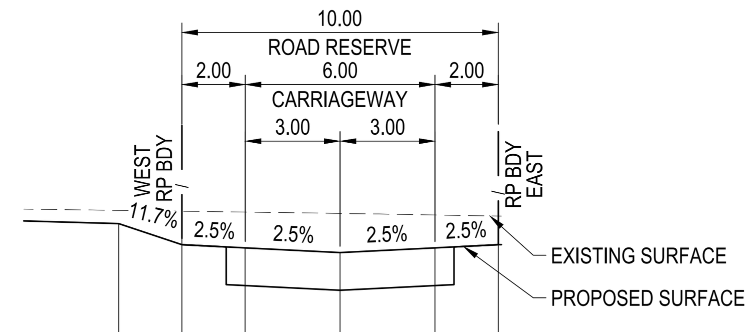
Horizontal Curve Radius

DATUM RL 93.0

PEGGED CHAINAGE	DESIGN LEVELS ON ROAD CENTERLINE	EDGE OF PAVEMENT (LHS)	EDGE OF PAVEMENT (RHS)	EXISTING SURFACE ON ROAD CENTERLINE	CUT / FILL DEPTH
0.000	99.485			99.813	-0.328
3.000	99.560			99.784	-0.224
6.058	99.484		99.570	99.757	-0.273
6.172	99.481		99.566	99.756	-0.275
8.387	99.425	99.500	99.500	99.742	-0.317
13.838	99.289	99.364	99.364	99.709	-0.420
18.838	99.189	99.265	99.265	99.696	-0.507
20.000	99.173	99.248	99.248	99.695	-0.522
23.838	99.138	99.213	99.213	99.690	-0.552
34.353	99.083	99.158	99.158	99.678	-0.595
40.000	99.053	99.128	99.128	99.671	-0.618
45.353	99.025	99.100	99.100	99.640	-0.615
56.353	98.967	99.042	99.042	99.566	-0.599
60.000	98.948	99.023	99.023	99.541	-0.593
67.353	98.909	98.984	98.984	99.489	-0.580
78.353	98.852	98.927	98.927	99.410	-0.558
80.000	98.843	98.918	98.918	99.398	-0.555
87.353	98.804	98.879	98.879	99.346	-0.542
94.353	98.768		98.843	99.305	-0.537
100.000	98.738		98.813	99.268	-0.531
101.353	98.731	98.806	98.806	99.260	-0.529
110.353	98.684	98.759	98.759	99.202	-0.518
120.000	98.633	98.708	98.708	99.091	-0.458
121.353	98.626	98.701	98.701	99.076	-0.450
132.353	98.568	98.643	98.643	98.921	-0.353
140.000	98.528	98.603	98.603	98.813	-0.285
143.353	98.510	98.585	98.585	98.765	-0.255
154.353	98.453	98.528	98.528	98.621	-0.168
160.000	98.423	98.498	98.498	98.556	-0.133
165.353	98.395	98.470	98.470	98.495	-0.100
176.353	98.337	98.412	98.412	98.366	-0.029
180.000	98.318	98.393	98.393	98.307	0.011
187.353	98.279	98.354	98.354	98.187	0.092
196.353	98.232	98.307	98.307	98.040	0.192
198.353	98.222			98.008	0.214
200.000	98.180			97.981	0.199
202.353	98.122			97.939	0.183

KARNAK LANE (MC12) - LONGITUDINAL SECTION

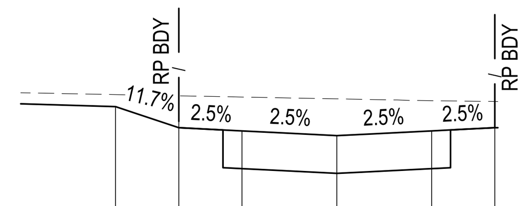
SCALE 1:500 HORI.
1:50 VERT.



DATUM RL 98.00

PROPOSED LEVEL	99.511	99.178	99.128	99.053	99.128	99.178
EXISTING LEVEL	99.719	99.706	99.693	99.671	99.648	99.631
OFFSET	-7.000	-5.000	-3.000	0.000	3.000	5.000

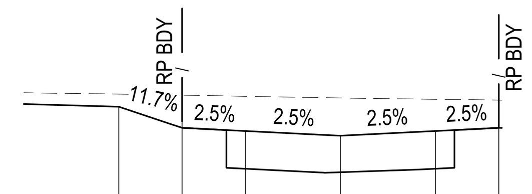
CH 40.000



DATUM RL 98.00

PROPOSED LEVEL	99.368	99.034	98.984	98.909	98.984	99.034
EXISTING LEVEL	99.557	99.537	99.518	99.489	99.460	99.447
OFFSET	-7.000	-5.000	-3.000	0.000	3.000	5.000

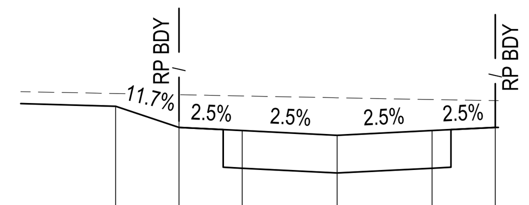
CH 67.353



DATUM RL 98.50

PROPOSED LEVEL	99.541	99.208	99.158	99.083	99.158	99.208
EXISTING LEVEL	99.740	99.723	99.705	99.678	99.659	99.646
OFFSET	-7.000	-5.000	-3.000	0.000	3.000	5.000

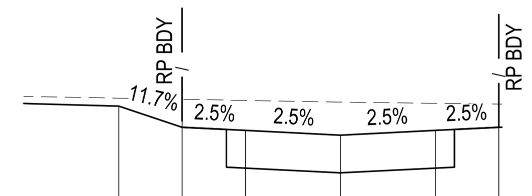
CH 34.353



DATUM RL 98.00

PROPOSED LEVEL	99.406	99.073	99.023	98.948	99.023	99.073
EXISTING LEVEL	99.609	99.589	99.570	99.541	99.514	99.497
OFFSET	-7.000	-5.000	-3.000	0.000	3.000	5.000

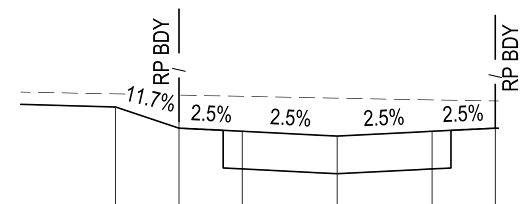
CH 60.000



DATUM RL 98.50

PROPOSED LEVEL	99.631	99.298	99.248	99.173	99.248	99.298
EXISTING LEVEL	99.758	99.740	99.722	99.695	99.676	99.664
OFFSET	-7.000	-5.000	-3.000	0.000	3.000	5.000

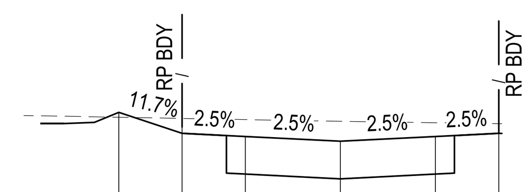
CH 20.000



DATUM RL 98.00

PROPOSED LEVEL	99.425	99.092	99.042	98.967	99.042	99.092
EXISTING LEVEL	99.633	99.614	99.595	99.566	99.539	99.522
OFFSET	-7.000	-5.000	-3.000	0.000	3.000	5.000

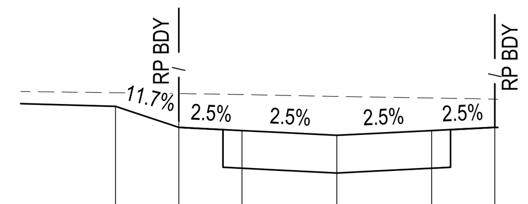
CH 56.353



DATUM RL 98.50

PROPOSED LEVEL	99.884	99.550	99.500	99.425	99.500	99.550
EXISTING LEVEL	99.806	99.787	99.769	99.742	99.720	99.705
OFFSET	-7.000	-5.000	-3.000	0.000	3.000	5.000

CH 08.387



DATUM RL 98.00

PROPOSED LEVEL	99.483	99.150	99.100	99.025	99.100	99.150
EXISTING LEVEL	99.698	99.684	99.669	99.640	99.614	99.597
OFFSET	-7.000	-5.000	-3.000	0.000	3.000	5.000

CH 45.353

KARNAK LANE (MC12) - CROSS SECTIONS

SCALE 1:200 HORI.
1:100 VERT.

Issue	Description	DR	CH	VE	Date
03	UPDATED FOR REGISTRATION OF ENGINEERS	CM	CS	IOC	12.07.23
02	REMOVING KERB PINCH POINTS	MR	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales: 0 10 20 30 40 50m — 1 : 500; 0 5 10 15 20m — 1 : 200; 0 2 4 6 8 10m — 1 : 100; 0 1 2 3 4 5m — 1 : 50

Planner: RobertsDay planning·design·place

Client: RESIMAX GROUP

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project: EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title: KARNAK LANE (MC12)
LONGITUDINAL SECTION &
CROSS SECTIONS

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 18, Queen & Collins Tower
376-390 Collins Street
Melbourne VIC 3000 Australia
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

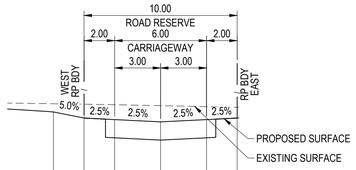
Project No.	Originator	Zone / Stage / Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0253	03

NOTE:

1. FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.
2. STRUCTURAL FILL IS REQUIRED WHERE FOOTPATH OR PAVEMENT IS CONSTRUCTED ABOVE EXISTING SURFACE.

LEGEND

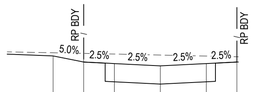
STRUCTURAL FILL



DATUM RL 97.50

PROPOSED LEVEL	99.056	98.856	98.806	98.731	98.806	98.856
EXISTING LEVEL	99.322	99.307	99.291	99.260	99.228	99.207
OFFSET	-7.000	-5.000	-3.000	0.000	3.000	5.000

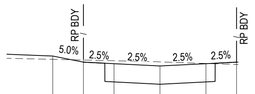
CH 101.353



DATUM RL 97.50

PROPOSED LEVEL	98.893	98.693	98.643	98.568	98.643	98.693
EXISTING LEVEL	98.995	98.975	98.954	98.921	98.888	98.866
OFFSET	-7.000	-5.000	-3.000	0.000	3.000	5.000

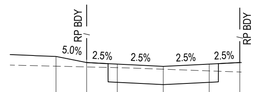
CH 132.353



DATUM RL 97.00

PROPOSED LEVEL	98.748	98.548	98.498	98.423	98.498	98.548
EXISTING LEVEL	98.640	98.618	98.595	98.556	98.504	98.470
OFFSET	-7.000	-5.000	-3.000	0.000	3.000	5.000

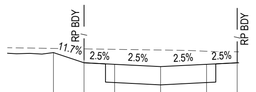
CH 160.000



DATUM RL 97.00

PROPOSED LEVEL	98.604	98.404	98.354	98.279	98.354	98.404
EXISTING LEVEL	98.286	98.262	98.238	98.187	98.132	98.096
OFFSET	-7.000	-5.000	-3.000	0.000	3.000	5.000

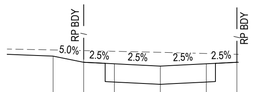
CH 187.353



DATUM RL 97.50

PROPOSED LEVEL	99.263	98.929	98.879	98.804	98.879	98.929
EXISTING LEVEL	99.399	99.384	99.369	99.346	99.307	99.288
OFFSET	-7.000	-5.000	-3.000	0.000	3.000	5.000

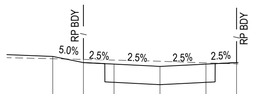
CH 87.353



DATUM RL 97.50

PROPOSED LEVEL	98.951	98.751	98.701	98.626	98.701	98.751
EXISTING LEVEL	99.153	99.131	99.109	99.076	99.037	99.011
OFFSET	-7.000	-5.000	-3.000	0.000	3.000	5.000

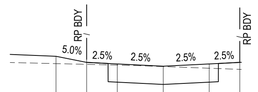
CH 121.353



DATUM RL 97.50

PROPOSED LEVEL	98.778	98.578	98.528	98.453	98.528	98.578
EXISTING LEVEL	98.703	98.680	98.658	98.621	98.569	98.534
OFFSET	-7.000	-5.000	-3.000	0.000	3.000	5.000

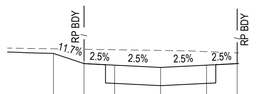
CH 154.353



DATUM RL 97.00

PROPOSED LEVEL	98.643	98.443	98.393	98.318	98.393	98.443
EXISTING LEVEL	98.403	98.379	98.354	98.307	98.252	98.215
OFFSET	-7.000	-5.000	-3.000	0.000	3.000	5.000

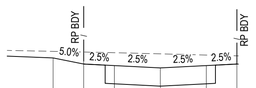
CH 180.000



DATUM RL 97.50

PROPOSED LEVEL	99.301	98.968	98.918	98.843	98.918	98.968
EXISTING LEVEL	99.451	99.436	99.421	99.398	99.360	99.318
OFFSET	-7.000	-5.000	-3.000	0.000	3.000	5.000

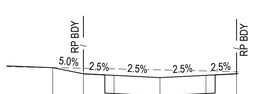
CH 80.000



DATUM RL 97.50

PROPOSED LEVEL	98.958	98.758	98.708	98.633	98.708	98.758
EXISTING LEVEL	99.172	99.150	99.128	99.091	99.052	99.027
OFFSET	-7.000	-5.000	-3.000	0.000	3.000	5.000

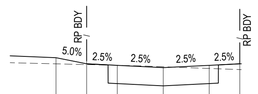
CH 120.000



DATUM RL 97.50

PROPOSED LEVEL	98.835	98.635	98.585	98.510	98.585	98.635
EXISTING LEVEL	98.837	98.817	98.797	98.765	98.728	98.699
OFFSET	-7.000	-5.000	-3.000	0.000	3.000	5.000

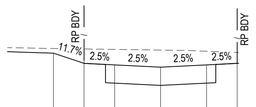
CH 143.353



DATUM RL 97.00

PROPOSED LEVEL	98.662	98.462	98.412	98.337	98.412	98.462
EXISTING LEVEL	98.461	98.437	98.412	98.366	98.310	98.273
OFFSET	-7.000	-5.000	-3.000	0.000	3.000	5.000

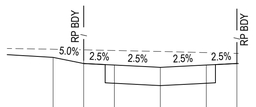
CH 176.353



DATUM RL 97.50

PROPOSED LEVEL	99.310	98.977	98.927	98.852	98.927	98.977
EXISTING LEVEL	99.463	99.448	99.432	99.410	99.371	99.330
OFFSET	-7.000	-5.000	-3.000	0.000	3.000	5.000

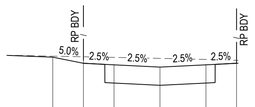
CH 78.353



DATUM RL 97.50

PROPOSED LEVEL	99.009	98.809	98.759	98.684	98.759	98.809
EXISTING LEVEL	99.275	99.254	99.233	99.202	99.164	99.138
OFFSET	-7.000	-5.000	-3.000	0.000	3.000	5.000

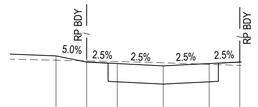
CH 110.353



DATUM RL 97.50

PROPOSED LEVEL	98.853	98.653	98.603	98.528	98.603	98.653
EXISTING LEVEL	98.885	98.865	98.845	98.813	98.779	98.750
OFFSET	-7.000	-5.000	-3.000	0.000	3.000	5.000

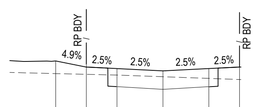
CH 140.000



DATUM RL 97.00

PROPOSED LEVEL	98.720	98.520	98.470	98.395	98.470	98.520
EXISTING LEVEL	98.581	98.558	98.536	98.495	98.443	98.409
OFFSET	-7.000	-5.000	-3.000	0.000	3.000	5.000

CH 165.353



DATUM RL 97.00

PROPOSED LEVEL	98.556	98.357	98.307	98.232	98.307	98.357
EXISTING LEVEL	98.143	98.119	98.094	98.040	97.986	97.949
OFFSET	-7.000	-5.000	-3.000	0.000	3.000	5.000

CH 196.353

KARNAK LANE (MC12) - CROSS SECTIONS

SCALE 1:200 HORI.
1:100 VERT.

Issue	Description	DR	CH	VE	Date
03	UPDATED FOR REGISTRATION OF ENGINEERS	CM	CS	IOC	12.07.23
02	REMOVING KERB PINCH POINTS	MR	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

0 5 10 15 20m
1 : 200

0 2 4 6 8 10m
1 : 100

Planner

RobertsDay
planning·design·place

Client

RESIMAX GROUP

Status

FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

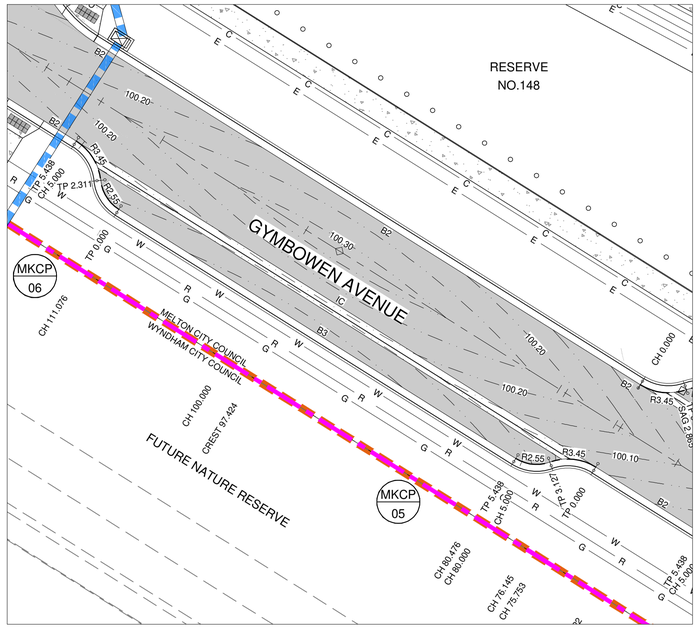
KARNAK LANE (MC12)
CROSS SECTIONS

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 18, Queen & Collins Tower
376-390 Collins Street
Melbourne VIC 3000 Australia
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0254	03

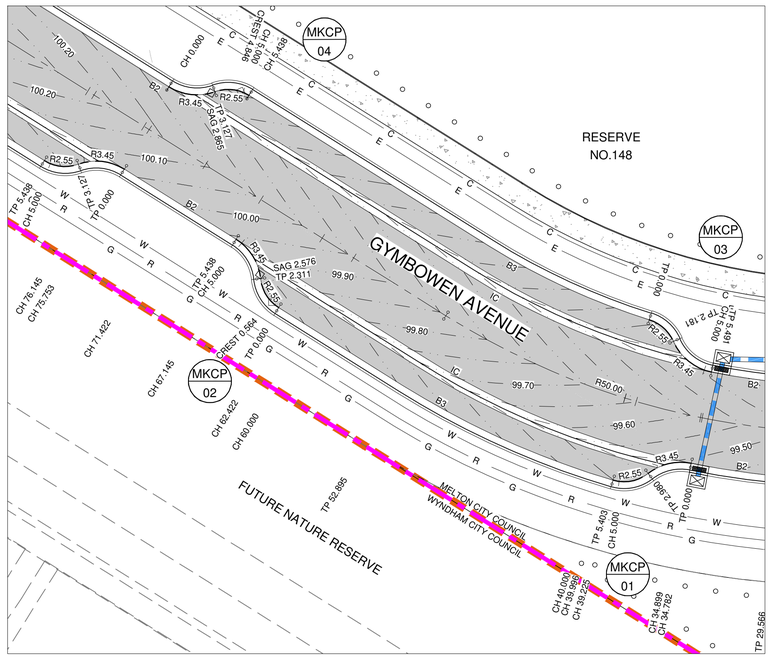
100mm on Original

Date Plotted: 9 Nov 2022 - 11:46am File Name: C:\Users\menezc4027\ACCDocs\Arcadis\a-au-10029435-eynesbury Estate\project Files\01_work In Progress\01_civil_cv\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0240-RoadLS-XS.dwg V2



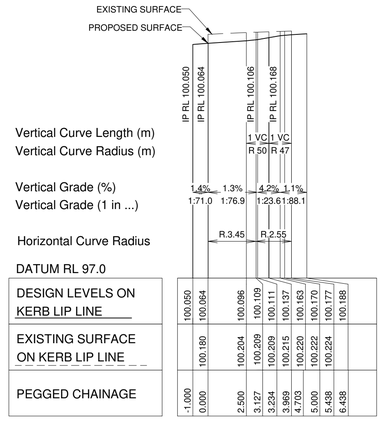
GYMBOWEN AVENUE INDENTED PARKING DETAIL - CH 75.753

SCALE 1:200



GYMBOWEN AVENUE INDENTED PARKING DETAIL - CH 34.782

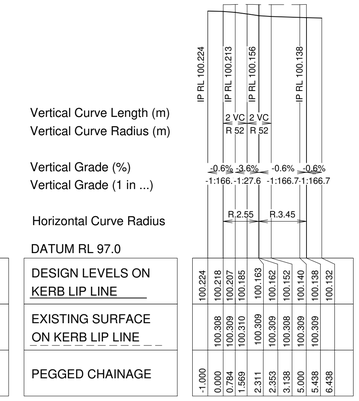
SCALE 1:200



MKCP05 LONGITUDINAL SECTION

SCALE 1:200 HORI.

1:40 VERT.



MKCP06 LONGITUDINAL SECTION

SCALE 1:200 HORI.

1:40 VERT.

LEGEND

- PROPOSED SURFACE CONTOURS (5.0)
- EXISTING SURFACE CONTOURS (5.0)
- PROPOSED KERB & CHANNEL
- PROPOSED STORMWATER DRAINAGE
- PROPOSED ROAD PAVEMENT
- PROPOSED CONCRETE FOOTPATH/DRIVEWAY
- W — PROPOSED WATER RETICULATION
- R — PROPOSED RECYCLED WATER RETICULATION
- E — PROPOSED ELECTRICITY UNDER GROUND
- C — PROPOSED COMMUNICATIONS
- G — PROPOSED GAS RETICULATION
- FUTS — FUTURE SEWER RETICULATION
- FUTW — FUTURE WATER RETICULATION
- FUTR — FUTURE RECYCLED WATER RETICULATION
- FUTC — FUTURE COMMUNICATIONS
- FUTE — FUTURE ELECTRICAL UNDER GROUND
- FUTG — FUTURE GAS RETICULATION

NOTE:

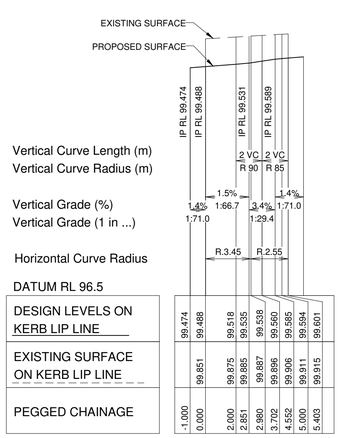
1. FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.
2. ALL KERB SETOUT DATA AND LONG SECTION PROFILE SHOWN ON THE LIP OF KERB UNLESS NOTED OTHERWISE.

CONTROL LINE SETOUT - MKCP05

PT	CHAINAGE	EASTING	NORTHING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283152.166	5814628.366			
IP 2	1.563	283150.809	5814629.356	R = -3.450	3.127	51°65'28.78"
IP 3	3.127	283149.193	5814628.899			
IP 4	4.282	283147.998	5814628.561	R = 2.550	2.311	51°65'38.89"
IP 5	5.438	283146.995	5814629.293			

CONTROL LINE SETOUT - MKCP06

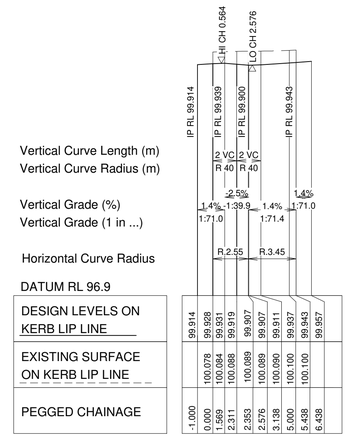
PT	CHAINAGE	EASTING	NORTHING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283122.278	5814647.332			
IP 2	1.156	283121.275	5814648.064	R = 2.550	2.311	51°65'33.75"
IP 3	2.311	283121.233	5814649.305			
IP 4	3.874	283121.176	5814650.984	R = -3.450	3.127	51°65'34.83"
IP 5	5.438	283119.819	5814651.975			



MKCP01 LONGITUDINAL SECTION

SCALE 1:200 HORI.

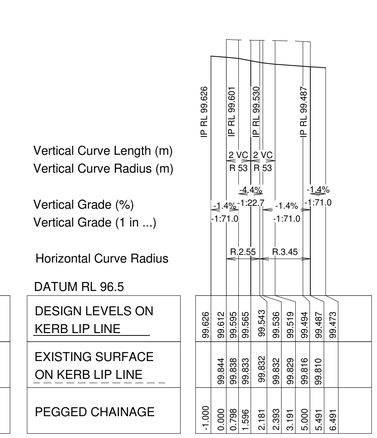
1:40 VERT.



MKCP02 LONGITUDINAL SECTION

SCALE 1:200 HORI.

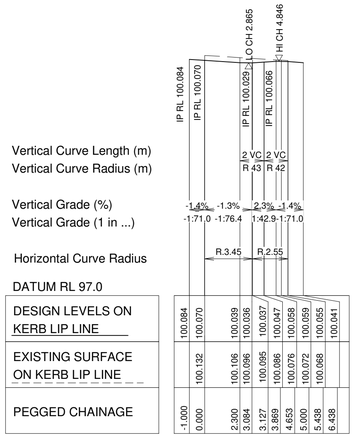
1:40 VERT.



MKCP03 LONGITUDINAL SECTION

SCALE 1:200 HORI.

1:40 VERT.



MKCP04 LONGITUDINAL SECTION

SCALE 1:200 HORI.

1:40 VERT.

CONTROL LINE SETOUT - MKCP01

PT	CHAINAGE	EASTING	NORTHING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283187.725	5814606.622			
IP 2	1.490	283186.193	5814607.047	R = -3.450	2.980	49°62'27.71"
IP 3	2.980	283184.874	5814606.158			
IP 4	4.192	283183.787	5814605.425	R = 2.550	2.423	54°62'50.66"
IP 5	5.403	283182.558	5814605.883			

CONTROL LINE SETOUT - MKCP03

PT	CHAINAGE	EASTING	NORTHING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283185.654	5814616.154			
IP 2	1.090	283186.737	5814615.731	R = 2.550	2.181	49°60'01.20"
IP 3	2.181	283187.127	5814614.637			
IP 4	3.836	283187.731	5814612.946	R = -3.450	3.310	54°65'32.10"
IP 5	5.491	283189.462	5814612.471			

CONTROL LINE SETOUT - MKCP02

PT	CHAINAGE	EASTING	NORTHING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283161.578	5814618.649			
IP 2	1.156	283160.575	5814619.381	R = 2.550	2.311	51°65'37.80"
IP 3	2.311	283160.533	5814620.622			
IP 4	3.874	283160.476	5814622.301	R = -3.450	3.127	51°65'29.40"
IP 5	5.438	283159.119	5814623.292			

CONTROL LINE SETOUT - MKCP04

PT	CHAINAGE	EASTING	NORTHING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283155.445	5814633.525			
IP 2	1.563	283156.802	5814632.534	R = -3.450	3.127	51°65'33.08"
IP 3	3.127	283158.419	5814632.992			
IP 4	4.282	283159.614	5814633.330	R = 2.550	2.311	51°65'36.76"
IP 5	5.438	283160.617	5814632.598			

Issue	Description	DR	CH	VE	Date
04	DESIGN CO-ORDINATION AMENDMENTS	CM	CS	IOC	18.07.23
03	UPDATES FOR REGISTRATION OF ENGINEERS	CM	CS	SE	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

N

0 5 10 15 20m

1 : 200

0 1 2 3 4m

1 : 40

Planner

RobertsDay planning·design·place

Client

RESIMAX GROUP

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

INTERSECTION DETAIL PLAN
SHEET 1

ARCADIS

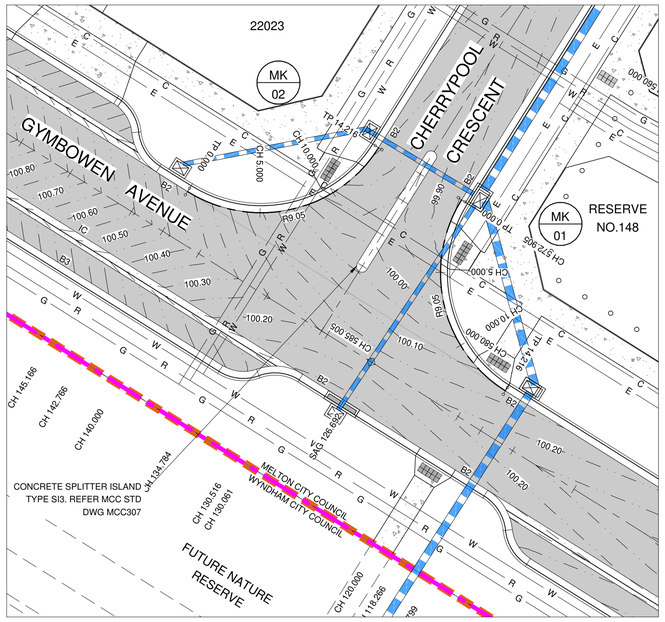
Arcadis Australia Pacific Pty Limited
Level 18, Queen & Collins Tower
376-390 Collins Street
Melbourne VIC 3000 Australia
ABN 76 104 485 289

Tel No: +61 3 8623 4000
www.arcadis.com

Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0260	04

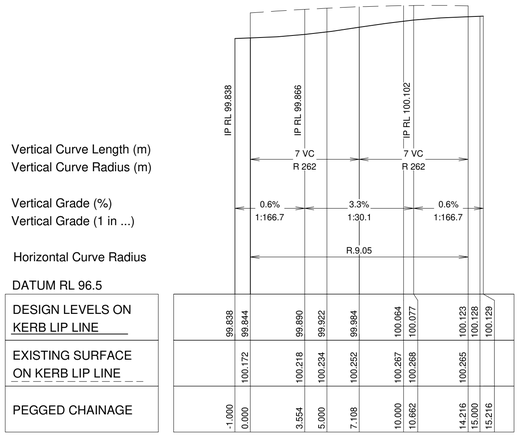
100mm on Original

Date Plotted: 27 Jul 2023 - 03:35pm File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0260-Intersection.dwg V1

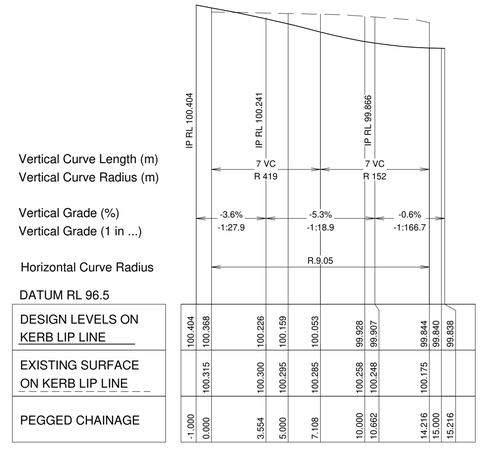


GYMBOWEN AVENUE - CHERRYPOOL CRESCENT INTERSECTION DETAIL

SCALE 1:200



MK01 LONGITUDINAL SECTION
SCALE 1:200 HORI.
1:40 VERT.



MK02 LONGITUDINAL SECTION
SCALE 1:200 HORI.
1:40 VERT.

LEGEND

- PROPOSED SURFACE CONTOURS
- EXISTING SURFACE CONTOURS
- PROPOSED KERB & CHANNEL
- PROPOSED STORMWATER DRAINAGE
- PROPOSED ROAD PAVEMENT
- PROPOSED CONCRETE FOOTPATH/DRIVEWAY
- PROPOSED WATER RETICULATION
- PROPOSED RECYCLED WATER RETICULATION
- PROPOSED ELECTRICITY UNDER GROUND
- PROPOSED COMMUNICATIONS
- PROPOSED GAS RETICULATION
- FUTURE SEWER RETICULATION
- FUTURE WATER RETICULATION
- FUTURE RECYCLED WATER RETICULATION
- FUTURE COMMUNICATIONS
- FUTURE ELECTRICAL UNDER GROUND
- FUTURE GAS RETICULATION

NOTE:

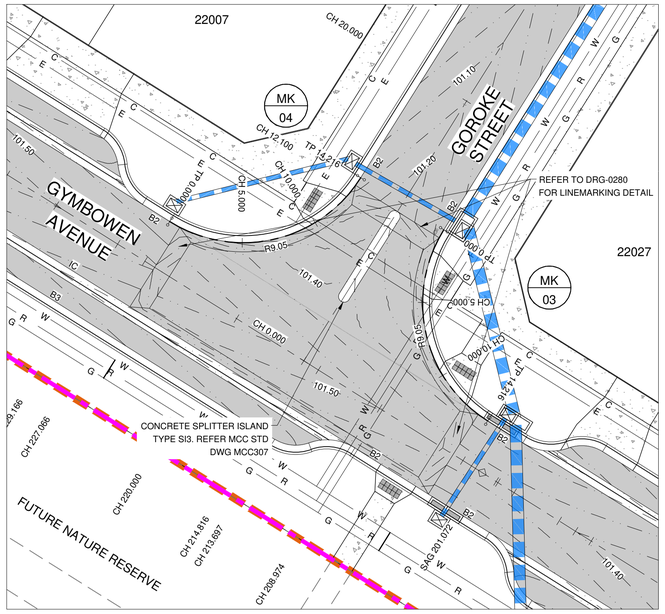
1. FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.
2. ALL KERB SETOUT DATA AND LONG SECTION PROFILE SHOWN ON THE LIP OF KERB UNLESS NOTED OTHERWISE.

CONTROL LINE SETOUT - MK01

PT	CHAINAGE	EASTING	NORTHING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283119.447	5814671.002			
IP 2	7.108	283114.112	5814663.692	R = -9.050	14.216	90°00'00.00"
IP 3	14.216	283121.422	5814658.356			

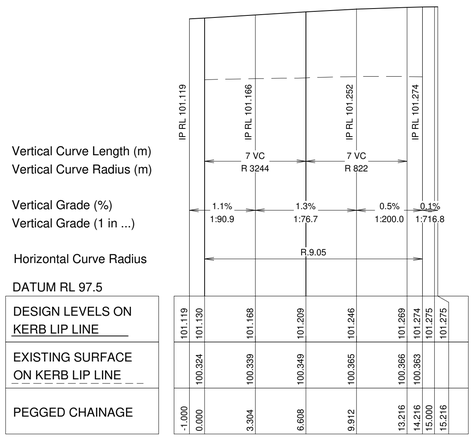
CONTROL LINE SETOUT - MK02

PT	CHAINAGE	EASTING	NORTHING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283101.632	5814672.800			
IP 2	7.108	283108.943	5814667.465	R = -9.050	14.216	90°00'00.00"
IP 3	14.216	283114.278	5814674.775			

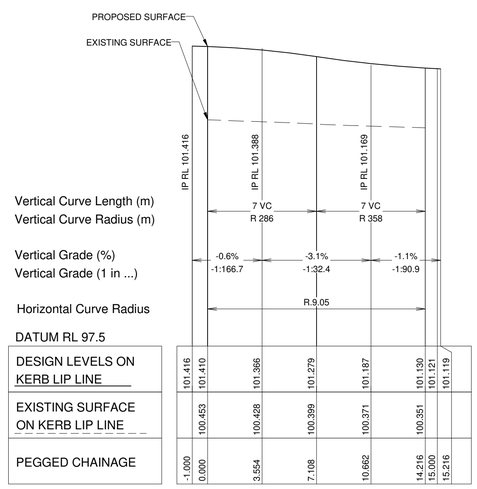


GYMBOWEN AVENUE - GOROKE STREET INTERSECTION DETAIL

SCALE 1:200



MK03 LONGITUDINAL SECTION
SCALE 1:200 HORI.
1:40 VERT.



MK04 LONGITUDINAL SECTION
SCALE 1:200 HORI.
1:40 VERT.

CONTROL LINE SETOUT - MK03

PT	CHAINAGE	EASTING	NORTHING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283051.354	5814720.699			
IP 2	7.108	283046.019	5814713.389	R = -9.050	14.216	90°00'00.00"
IP 3	14.216	283053.329	5814708.054			

CONTROL LINE SETOUT - MK04

PT	CHAINAGE	EASTING	NORTHING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283033.539	5814722.497			
IP 2	7.108	283040.849	5814717.162	R = -9.050	14.216	90°00'00.00"
IP 3	14.216	283046.185	5814724.472			

Issue	Description	DR	CH	VE	Date
04	DESIGN CO-ORDINATION AMENDMENTS	CM	CS	IOC	18.07.23
03	UPDATES FOR REGISTRATION OF ENGINEERS	CM	CS	SE	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

1 : 200

1 : 40

Planner: RobertsDay planning·design·place

Client: RESIMAX GROUP

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

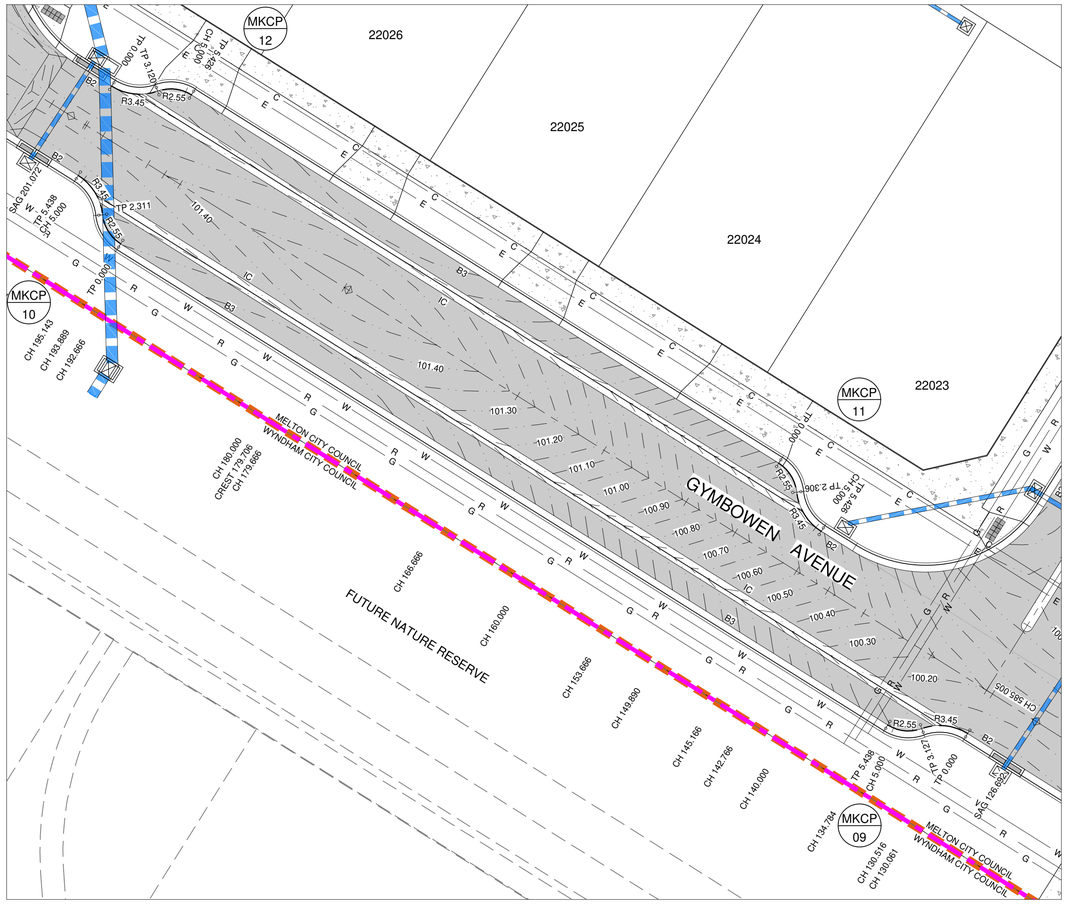
Project: EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title: INTERSECTION DETAIL PLAN
SHEET 2

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 18, Queen & Collins Tower
376-390 Collins Street
Melbourne VIC 3000 Australia
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

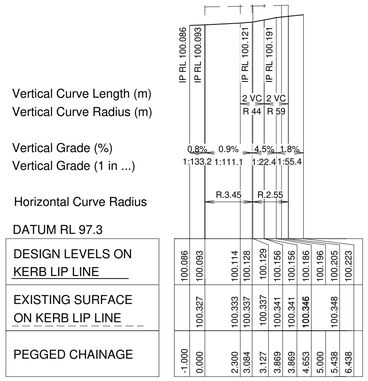
Project No.	Originator	Zone	Stage	Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD			CV	DRG	0261	04

100mm on Original



GYMBOWEN AVENUE INDENTED PARKING DETAIL - CH 130.061

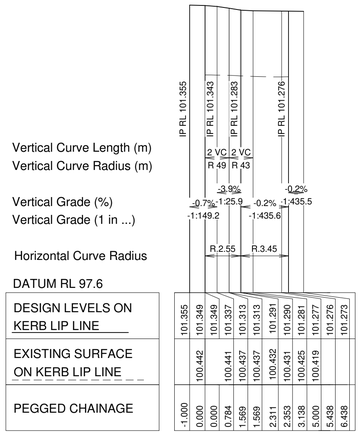
SCALE 1:200



MKCP09 LONGITUDINAL SECTION

SCALE 1:200 HORI.

1:40 VERT.



MKCP10 LONGITUDINAL SECTION

SCALE 1:200 HORI.

1:40 VERT.

LEGEND

- PROPOSED SURFACE CONTOURS
- EXISTING SURFACE CONTOURS
- PROPOSED KERB & CHANNEL
- PROPOSED STORMWATER DRAINAGE
- PROPOSED ROAD PAVEMENT
- PROPOSED CONCRETE FOOTPATH/DRIVEWAY
- PROPOSED WATER RETICULATION
- PROPOSED RECYCLED WATER RETICULATION
- PROPOSED ELECTRICITY UNDER GROUND
- PROPOSED COMMUNICATIONS
- PROPOSED GAS RETICULATION
- FUTURE SEWER RETICULATION
- FUTURE WATER RETICULATION
- FUTURE RECYCLED WATER RETICULATION
- FUTURE COMMUNICATIONS
- FUTURE ELECTRICAL UNDER GROUND
- FUTURE GAS RETICULATION

NOTE:

1. FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.
2. ALL KERB SETOUT DATA AND LONG SECTION PROFILE SHOWN ON THE LIP OF KERB UNLESS NOTED OTHERWISE.

CONTROL LINE SETOUT - MKCP09

PT	CHAINAGE	EASTING	NORTHING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283108.299	5814660.383			
IP 2	1.563	283106.942	5814661.373	R = -3.450	3.127	51d55'33.08"
IP 3	3.127	283105.326	5814660.915			
IP 4	4.282	283104.131	5814660.577	R = 2.550	2.311	51d55'36.76"
IP 5	5.438	283103.128	5814661.309			

CONTROL LINE SETOUT - MKCP10

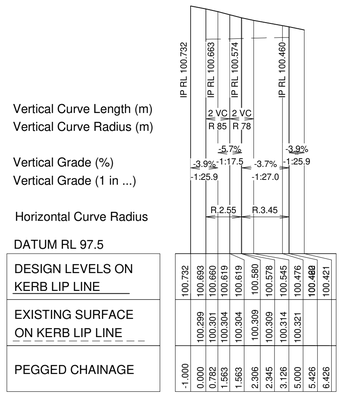
PT	CHAINAGE	EASTING	NORTHING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283055.386	5814696.153			
IP 2	1.156	283054.383	5814696.885	R = 2.550	2.311	51d55'36.76"
CC	2.311	283054.341	5814698.126			
IP 3	3.874	283054.284	5814699.805	R = -3.450	3.127	51d55'36.76"
IP 4	5.438	283052.927	5814700.795			

CONTROL LINE SETOUT - MKCP11

PT	CHAINAGE	EASTING	NORTHING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283097.226	5814678.852			
IP 2	1.153	283098.226	5814678.122	R = 2.550	2.306	51d48'59.02"
IP 3	2.306	283098.271	5814676.884			
IP 4	3.866	283098.331	5814675.209	R = -3.450	3.120	51d49'01.37"
IP 5	5.426	283099.685	5814674.222			

CONTROL LINE SETOUT - MKCP12

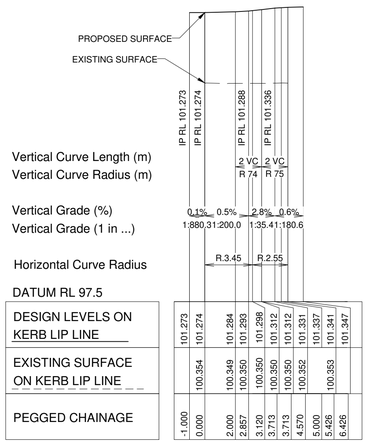
PT	CHAINAGE	EASTING	NORTHING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283055.519	5814706.455			
IP 2	1.560	283056.873	5814705.467	R = -3.450	3.120	51d48'59.17"
IP 3	3.120	283058.486	5814705.921			
IP 4	4.273	283059.679	5814706.256	R = 2.550	2.306	51d49'01.76"
IP 5	5.426	283060.680	5814705.525			



MKCP11 LONGITUDINAL SECTION

SCALE 1:200 HORI.

1:40 VERT.



MKCP12 LONGITUDINAL SECTION

SCALE 1:200 HORI.

1:40 VERT.

Issue	Description	DR	CH	VE	Date
04	DESIGN CO-ORDINATION AMENDMENTS	CM	CS	IOC	18.07.23
03	UPDATES FOR REGISTRATION OF ENGINEERS	CM	CS	SE	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

1 : 200

1 : 40

Planner: RobertsDay planning·design·place

Client: RESIMAX GROUP

Status: FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project: EYNESBURY TOWNSHIP STAGE 22A CITY OF MELTON

Title: INTERSECTION DETAIL PLAN SHEET 3

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 18, Queen & Collins Tower
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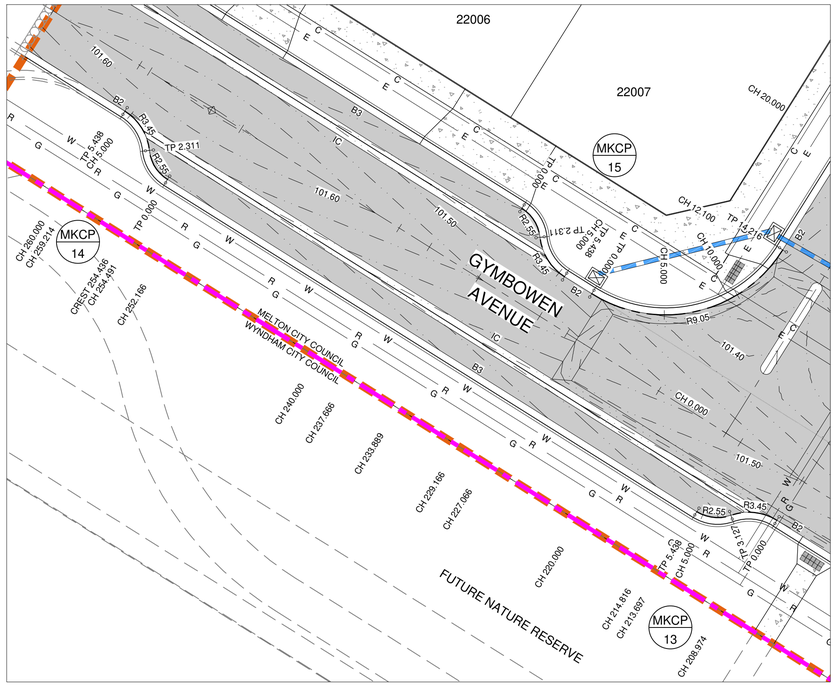
Melbourne VIC 3000 Australia
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0262	04

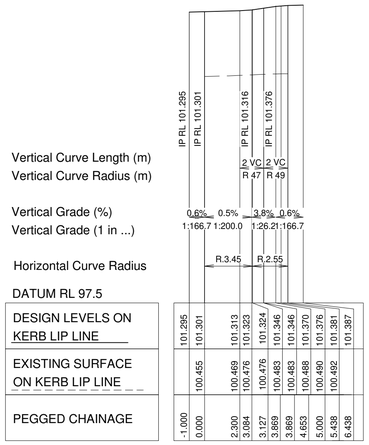
100mm on Original

Date Plotted: 27 Jul 2023 - 04:15pm File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0260-Intersection.dwg V1



GYMBOWEN AVENUE INDENTED PARKING DETAIL - CH 208.974

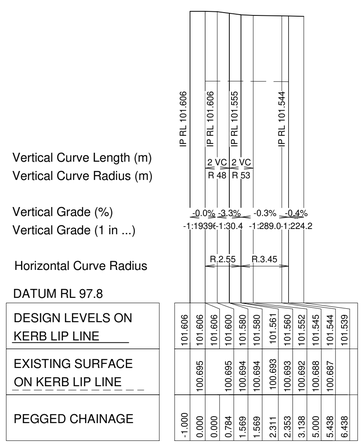
SCALE 1:200



MKCP13 LONGITUDINAL SECTION

SCALE 1:200 HORI.

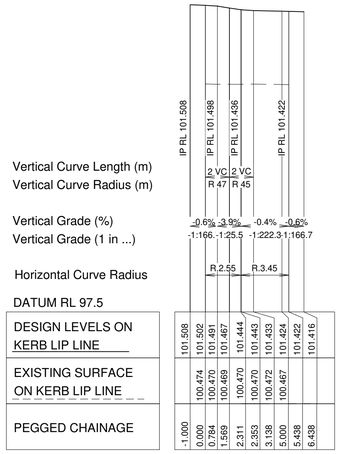
1:40 VERT.



MKCP14 LONGITUDINAL SECTION

SCALE 1:200 HORI.

1:40 VERT.



MKCP15 LONGITUDINAL SECTION

SCALE 1:200 HORI.

1:40 VERT.

LEGEND

- 5.0 — PROPOSED SURFACE CONTOURS
- 5.0 — EXISTING SURFACE CONTOURS
- PROPOSED KERB & CHANNEL
- PROPOSED STORMWATER DRAINAGE
- PROPOSED ROAD PAVEMENT
- PROPOSED CONCRETE FOOTPATH/DRIVEWAY
- W — PROPOSED WATER RETICULATION
- R — PROPOSED RECYCLED WATER RETICULATION
- E — PROPOSED ELECTRICITY UNDER GROUND
- C — PROPOSED COMMUNICATIONS
- G — PROPOSED GAS RETICULATION
- FUTS — FUTURE SEWER RETICULATION
- FUTW — FUTURE WATER RETICULATION
- FUTR — FUTURE RECYCLED WATER RETICULATION
- FUTC — FUTURE COMMUNICATIONS
- FUTE — FUTURE ELECTRICAL UNDER GROUND
- FUTG — FUTURE GAS RETICULATION

NOTE:

1. FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.
2. ALL KERB SETOUT DATA AND LONG SECTION PROFILE SHOWN ON THE LIP OF KERB UNLESS NOTED OTHERWISE.

CONTROL LINE SETOUT - MKCP13

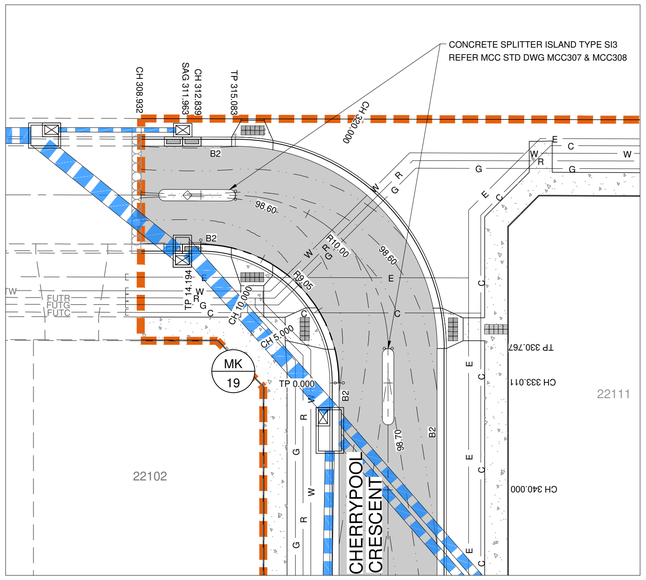
PT	CHAINAGE	EASTING	NORTHING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283044.557	5814706.904			
IP 2	1.563	283043.200	5814707.894	R = -3.450	3.127	51°55'33.08"
IP 3	3.127	283041.584	5814707.437			
IP 4	4.282	283040.389	5814707.099	R = 2.550	2.311	51°55'36.76"
IP 5	5.438	283039.386	5814707.831			

CONTROL LINE SETOUT - MKCP14

PT	CHAINAGE	EASTING	NORTHING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283006.435	5814731.880			
IP 2	1.156	283005.432	5814732.612	R = 2.550	2.311	51°55'36.76"
CC	2.311	283005.390	5814733.853			
IP 3	3.874	283005.333	5814735.532	R = -3.450	3.127	51°55'36.76"
IP 4	5.438	283003.976	5814736.522			

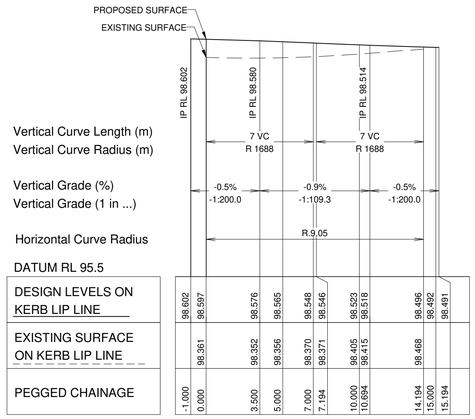
CONTROL LINE SETOUT - MKCP15

PT	CHAINAGE	EASTING	NORTHING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283029.384	5814728.377			
IP 2	1.155	283030.387	5814727.645	R = 2.550	2.311	51°55'28.19"
IP 3	2.311	283030.429	5814726.405			
IP 4	3.874	283030.486	5814724.726	R = -3.450	3.127	51°55'34.83"
IP 5	5.438	283031.843	5814723.735			



CHERRYPOOL CRESCENT BEND DETAIL

SCALE 1:200



MK19 LONGITUDINAL SECTION

SCALE 1:200 HORI.

1:40 VERT.

CONTROL LINE SETOUT - MK19

PT	CHAINAGE	EASTING	NORTHING	RADIUS	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283151.193	5814905.326			
IP 2	7.097	283151.828	5814914.331	-9.050	14.194	89°51'36.65"
IP 3	14.194	283142.824	5814914.988			

Issue	Description	DR	CH	VE	Date
04	DESIGN CO-ORDINATION AMENDMENTS	CM	CS	IOC	18.07.23
03	RESPONSE TO COUNCIL RFI	CM	CS	SE	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

1 : 200

1 : 40

Planner: RobertsDay planning·design·place

Client: RESIMAX GROUP

Status: FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project: EYNESBURY TOWNSHIP STAGE 22A CITY OF MELTON

Title: INTERSECTION DETAIL PLAN SHEET 4

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Tel No: +61 3 8623 4000
www.arcadis.com

Project No.	Originator	Zone	Stage	Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA	22	ADD	CV	DRG	0263	04

100mm on Original

Date Plotted: 27 Jul 2023 - 04:00pm File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0260-Intersection.dwg V1

DRAWING REMOVED FROM SET

Issue	Description	DR	CH	VE	Date
03	UPDATES FOR REGISTRATION OF ENGINEERS	CM	CS	IOC	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

N

0 5 10 15 20m

1 : 200

0 1 2 3 4m

1 : 40

Planner

RobertsDay planning·design·place

Client

RESIMAX GROUP

Status

FOR APPROVAL

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

INTERSECTION DETAIL PLAN
SHEET 5

ARCADIS

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www.arcadis.com

Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0264	03

100mm on Original

Date Plotted: 10 Jul 2023 - 08:58pm File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0260-Intersection.dwg V1

DRAWING REMOVED FROM SET

Issue	Description	DR	CH	VE	Date
03	UPDATES FOR REGISTRATION OF ENGINEERS	CM	CS	IOC	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

N

0 5 10 15 20m

1 : 200

0 1 2 3 4m

1 : 40

Planner

RobertsDay planning·design·place

Client

RESIMAX GROUP

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

INTERSECTION DETAIL PLAN
SHEET 6

ARCADIS

Arcadis Australia Pacific Pty Limited
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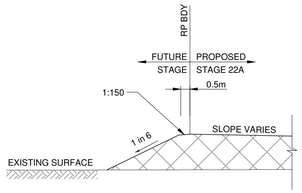
376-390 Collins Street
Melbourne VIC 3000 Australia
ABN 76 104 485 289

Tel No: +61 3 8623 4000
www.arcadis.com

Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0265	03

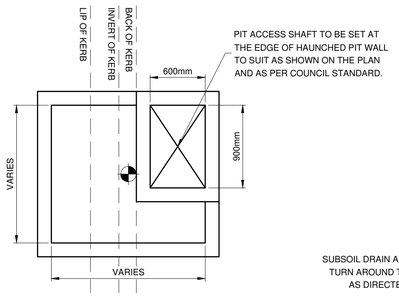
100mm on Original

Date Plotted: 10 Jul 2023 - 08:58pm File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0260-Intersection.dwg V1



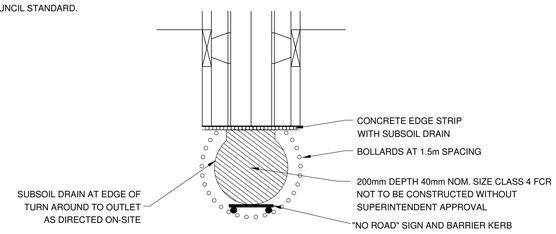
FILL BATTER TO FUTURE STAGE TYPICAL SECTION

NOT TO SCALE



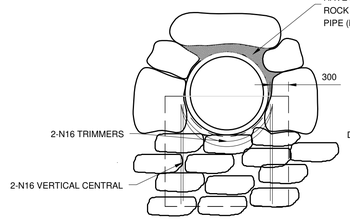
PIT SETOUT DETAIL

NOT TO SCALE

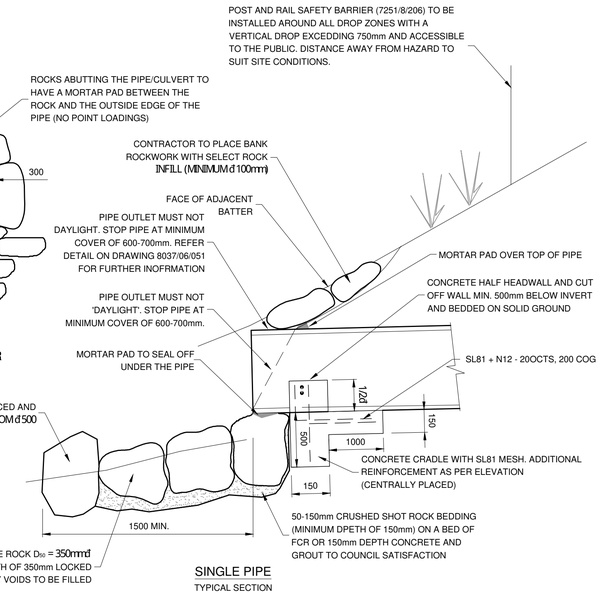


TYPICAL TEMPORARY TURN AREA DETAIL

NOT TO SCALE



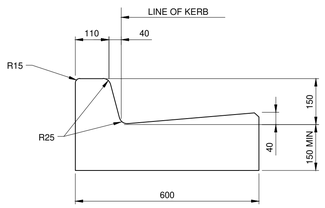
SINGLE PIPE
ELEVATION
nb. DUAL PIPE SIMILAR



SINGLE PIPE
TYPICAL SECTION

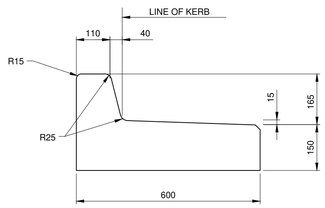
STANDARD PIPE OUTLET DETAIL

NOT TO SCALE
nb. DUAL PIPE SIMILAR



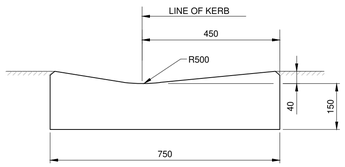
B2 (600mm) KERB DETAIL

1:10



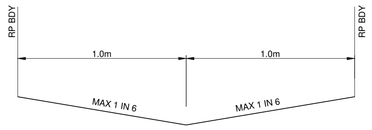
B3 (600mm) KERB DETAIL

1:10



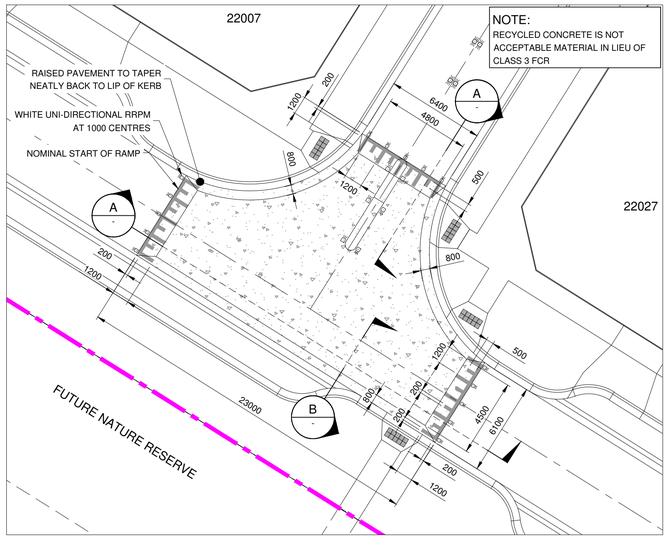
INVERT CHANNEL (IC)

1:10
(TO INTERSECT WITH 600-WIDTH BARRIER KERB & CHANNEL)



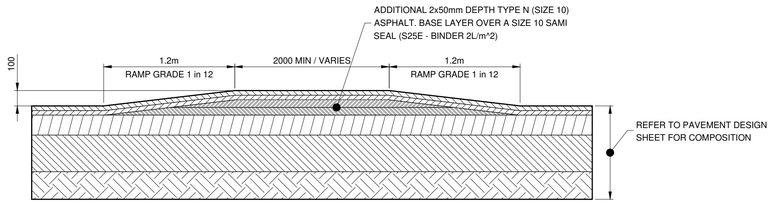
TYPICAL SWALE DRAIN DETAIL

NOT TO SCALE



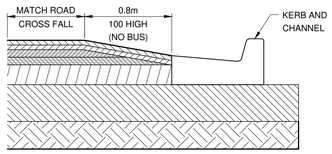
LINE MARKING FOR RAISED PAVEMENTS PLAN

SCALE 1:200



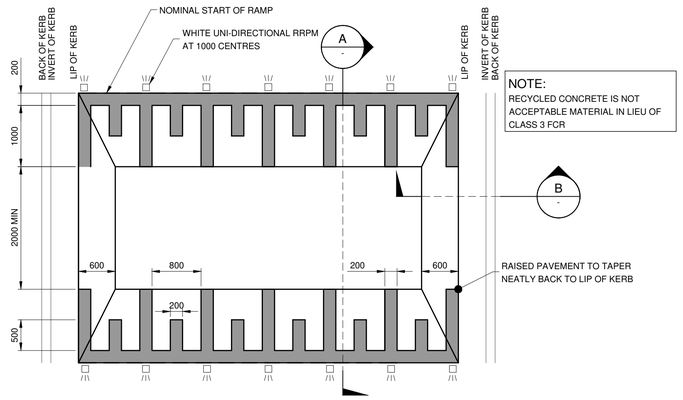
FLAT TOP RAISED PAVEMENT SECTION A

NOT TO SCALE



FLAT TOP RAISED PAVEMENT SECTION B

NOT TO SCALE



LINE MARKING FOR RAISED PAVEMENTS

NOT TO SCALE

Issue	Description	DR	CH	VE	Date
04	DESIGN CO-ORDINATION AMENDMENTS	CM	CS	IOC	18.07.23
03	RESPONSE TO COUNCIL RFI	CM	CS	SE	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

N

0 5 10 15 20m

1 : 200

0 100 200 400 600 800 1000mm

1 : 10

Planner

RobertsDay planning·design·place

Client

RESIMAX GROUP

Status

FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

TYPICAL DETAILS

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Tel No: +61 3 8623 4000
www.arcadis.com

Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0280	04

100mm on Original

Date Plotted: 27 Jul 2023 - 04:20pm File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0280-TypicalDetails.dwg V1

PAVEMENT COMPOSITION TYPE 1
GOROKE STREET

LAYER	THICKNESS (mm)	MATERIAL
WEARING COURSE	20	SIZE 7 TYPE L ASPHALT (CLASS 320 BINDER)
BASE COURSE	30	SIZE 10 TYPE N ASPHALT (CLASS 320 BINDER)
INTERLAYER	5	S45R 10mm SAMI TREATMENT
WATER PROOFING	-	PRIME (OR 7mm PRIMER SEAL)
BASE	140	SIZE 20mm CLASS 2 CRUSHED ROCK COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 100% (MODIFIED) MAXIMUM DRY DENSITY AS1289, 5.2.1
SUBBASE	100	SIZE 20mm CLASS 3 CRUSHED ROCK COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 98% (MODIFIED) MAXIMUM DRY DENSITY AS1289,5.2.1
CAPPING LAYER	150	TYPE A MATERIAL COMPLYING WITH THE FOLLOWING MATERIAL PROPERTIES: CBR h 8%, SWELL H 1.5%, PERMEABILITY K H 5 x 10^{-9} m/s. COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1
CONSTRUCTION LAYER	150 (MINIMUM)	CONSTRUCTION LAYER COMPLYING WITH THE FOLLOWING MATERIAL PROPERTIES : CBR h 8%, SWELL H 1.5% AND PERMEABILITY H 5 x 10^{-9} m/s. COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1
TOTAL	595	MINIMUM THICKNESS AS PER 2019 EDCM GUIDELINES
SUBGRADE	-	(CLAY) TOP 200mm COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1

PAVEMENT COMPOSITION TYPE 2
CHERRYPOOL CRESCENT

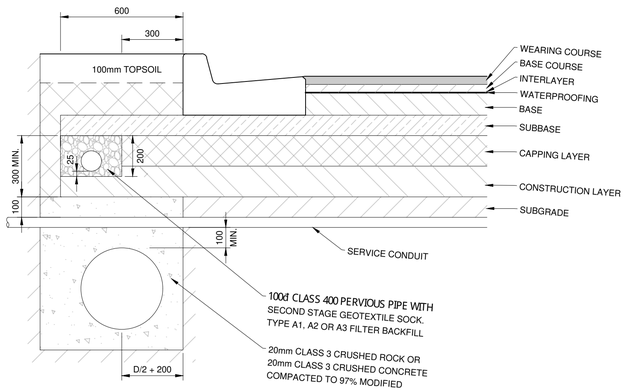
LAYER	THICKNESS (mm)	MATERIAL
WEARING COURSE 1	30	SIZE 10 TYPE L ASPHALT (CLASS 320 BINDER)
WEARING COURSE 2	30	SIZE 10 TYPE N ASPHALT (CLASS 320 BINDER)
INTERLAYER	5	S45R 10mm SAMI TREATMENT
WATERPROOFING	-	PRIME (OR 7mm PRIMER SEAL)
BASE	130	SIZE 20mm CLASS 2 CRUSHED ROCK COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 100% (MODIFIED) MAXIMUM DRY DENSITY AS1289, 5.2.1
UPPER SUBBASE	100	SIZE 20mm CLASS 3 CRUSHED ROCK COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 98% (MODIFIED) MAXIMUM DRY DENSITY AS1289,5.2.1
LOWER SUBBASE	100	SIZE 20mm CLASS 4 CRUSHED ROCK COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 98% (MODIFIED) MAXIMUM DRY DENSITY AS1289,5.2.1
CAPPING LAYER	150	TYPE A MATERIAL COMPLYING WITH THE FOLLOWING MATERIAL PROPERTIES: CBR h 8%, SWELL H 1.5%, PERMEABILITY K H 5 x 10^{-9} m/s. COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1
CONSTRUCTION LAYER	150 (MINIMUM)	CONSTRUCTION LAYER COMPLYING WITH THE FOLLOWING MATERIAL PROPERTIES : CBR h 8%, SWELL H 1.5% AND PERMEABILITY H 5 x 10^{-9} m/s. COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1
TOTAL	695	
SUBGRADE	-	(CLAY) TOP 200mm COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1

PAVEMENT COMPOSITION TYPE 3
GYMBOWEN AVENUE

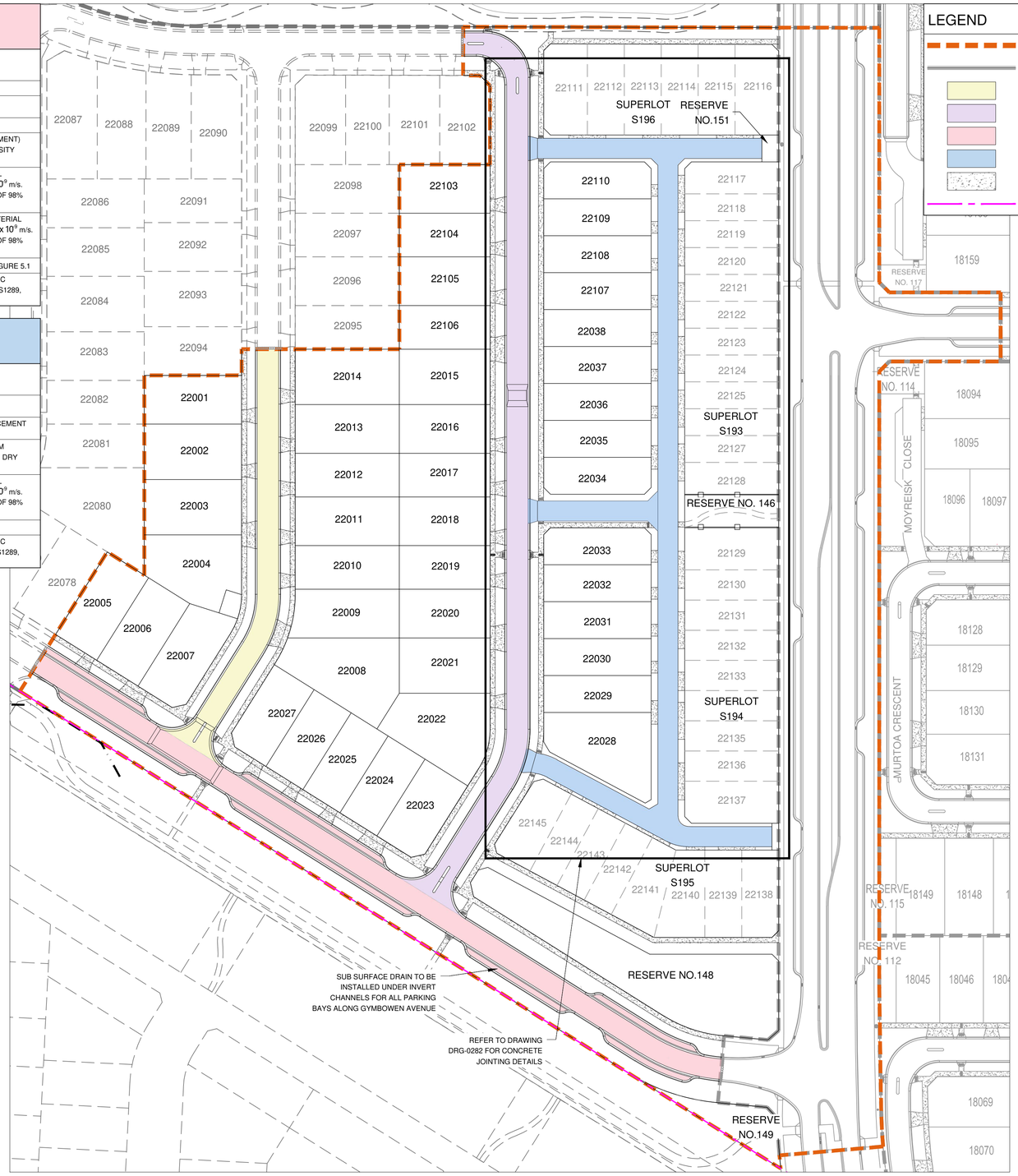
LAYER	THICKNESS (mm)	MATERIAL
WEARING COURSE	40	SIZE 14 TYPE H ASPHALT (CLASS 320 BINDER)
INTERMEDIATE COURSE	75	SIZE 20 TYPE SI ASPHALT (CLASS 320 BINDER)
BASE COURSE	75	SIZE 20 TYPE SF ASPHALT (CLASS 320 BINDER)
SUBBASE	100	SIZE 20mm CLASS 3 CEMENT TREATED CRUSHED ROCK (3% CEMENT) E h 500 MPa COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 96% (MODIFIED) MAXIMUM DRY DENSITY AS1289, 5.2.1
CAPPING LAYER	150	TYPE A MATERIAL COMPLYING WITH THE FOLLOWING MATERIAL PROPERTIES: CBR h 8%, SWELL H 1.5%, PERMEABILITY K H 5 x 10^{-9} m/s. COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1
CONSTRUCTION LAYER	170 (MINIMUM)	CONSTRUCTION LAYER COMPLYING WITH THE FOLLOWING MATERIAL PROPERTIES : CBR h 8%, SWELL H 1.5% AND PERMEABILITY H 5 x 10^{-9} m/s. COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1
TOTAL	610	MINIMUM COVER IN ACCORDANCE WITH VICROADS RC500.22 FIGURE 5.1
SUBGRADE	-	(CLAY) TOP 200mm COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1

PAVEMENT COMPOSITION TYPE 4
KARNAK LANE, OZENKADNOOK WAY

LAYER	THICKNESS (mm)	MATERIAL
WEARING COURSE	-	EXPOSED AGGREGATE FINISH
BASE COURSE	200	CONCRETE 32MPa WITH TWO SHEETS OF SL82 MESH REINFORCEMENT WITH 50mm TOP COVER AS PER STANDARD DRAWING MCC 504
SUBBASE	100	SIZE 20mm CLASS 3 CRUSHED ROCK COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 98% (MODIFIED) MAXIMUM DRY DENSITY AS1289,5.2.1
CAPPING LAYER	150	TYPE A MATERIAL COMPLYING WITH THE FOLLOWING MATERIAL PROPERTIES: CBR h 8%, SWELL H 1.5%, PERMEABILITY K H 5 x 10^{-9} m/s. COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1
TOTAL	450	
SUBGRADE	-	(CLAY) TOP 200mm COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1



PAVEMENT COMPOSITION TYPE 1
NOT TO SCALE
(TO BE CONSTRUCTED AS PER EDCM 202A)



PLAN
SCALE 1 : 750

Issue	Description	DR	CH	VE	Date
04	DESIGN CO-ORDINATION AMENDMENTS	CM	CS	IOC	18.07.23
03	RESPONSE TO COUNCIL RFI	CM	CS	SE	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales
0 15 30 45 60 75m
1 : 750

Planner
RobertsDay planning·design·place

Client
RESIMAX GROUP

Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project
EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title
PAVEMENT PLAN
SHEET 1

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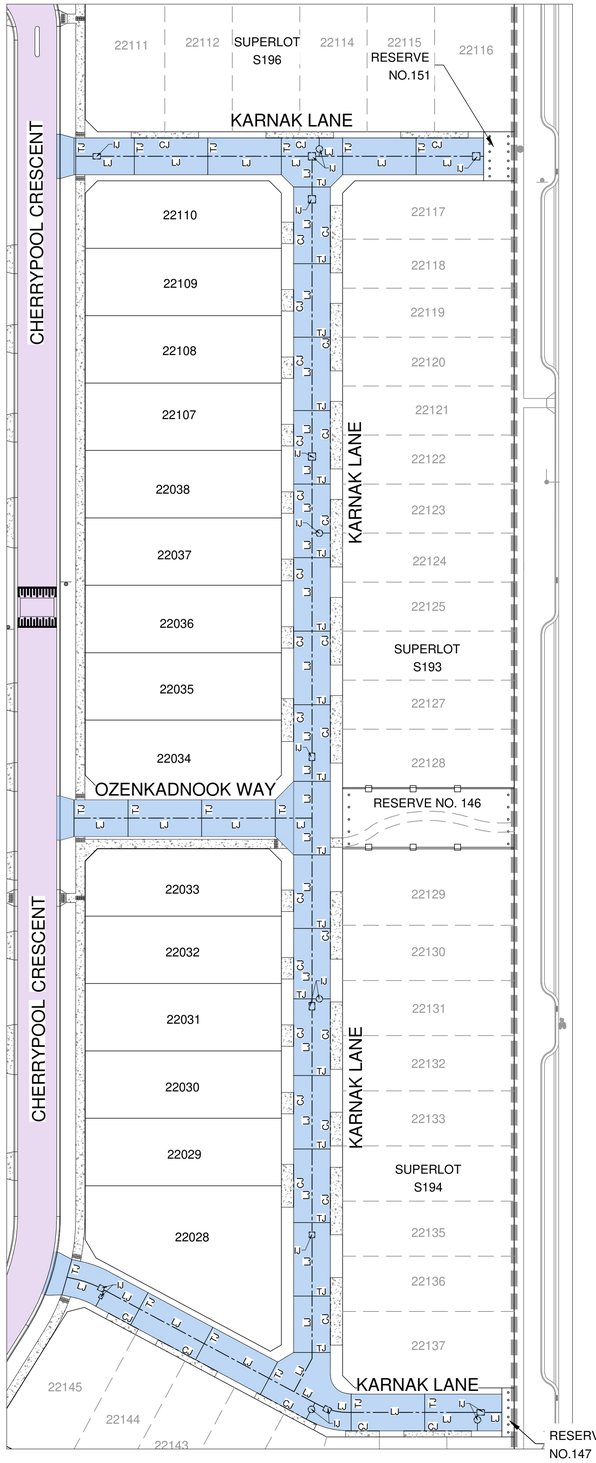
Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0281	04

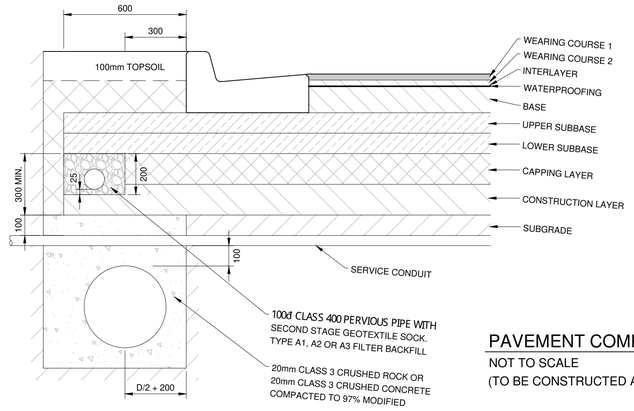
100mm on Original

Date Plotted: 27 Jul 2023 - 04:24pm File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0280-TypicalDetails.dwg V1



PLAN

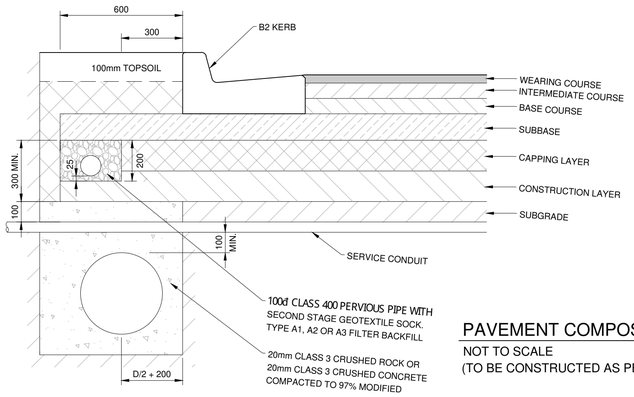
SCALE 1 : 500



PAVEMENT COMPOSITION TYPE 2

NOT TO SCALE

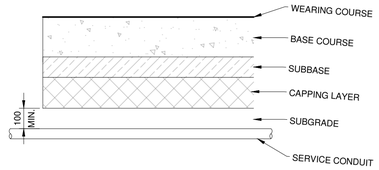
(TO BE CONSTRUCTED AS PER EDCM 202A)



PAVEMENT COMPOSITION TYPE 3

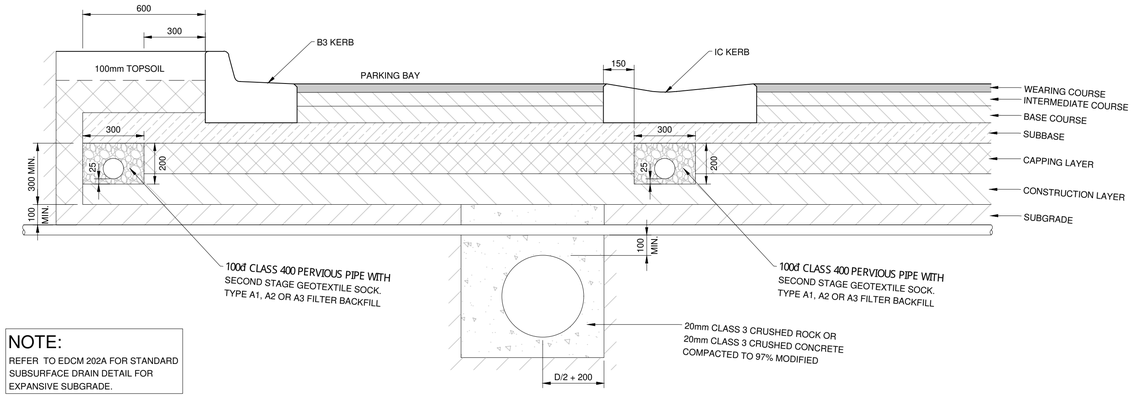
NOT TO SCALE

(TO BE CONSTRUCTED AS PER EDCM 202A)



PAVEMENT COMPOSITION TYPE 4

NOT TO SCALE



NOTE:

REFER TO EDCM 202A FOR STANDARD SUBSURFACE DRAIN DETAIL FOR EXPANSIVE SUBGRADE.

PAVEMENT COMPOSITION TYPE 3 WITH PARKING BAYS

NOT TO SCALE

LEGEND

- STAGE BOUNDARY
- PROPOSED KERB & CHANNEL
- PROPOSED ROAD PAVEMENT TYPE 1
- PROPOSED ROAD PAVEMENT TYPE 2
- PROPOSED ROAD PAVEMENT TYPE 3
- PROPOSED ROAD PAVEMENT TYPE 4
- PROPOSED CONCRETE FOOTPATH/DRIVEWAY
- LONGITUDINAL TIED JOINT (LJ)
- ISOLATION JOINT (IJ)
- TRANSVERSE JOINT (TJ)
- TIED CONSTRUCTION JOINT (CJ)

NOTES:

1. DOWEL BAR DIAMETER, LENGTH AND SPACING SHALL BE AS SPECIFIED IN THE SCHEDULE OF DETAILS.
   a) TRANSVERSE CONTRACTION JOINTS SPACED AT 8-12m (N28 450mm LONG DOWEL BARS SPACED AT 300mm CENTRES)
   b) LONGITUDINAL TIE BARS SPACED AT 3-4.5m (N12 DEFORMED STEEL BARS 1m LONG)
   c) ISOLATION JOINTS AT PITS & INTERSECTING ROAD PAVEMENTS
2. JOINTS INTO VEHICLE CROSSOVERS TO BE TIED CONSTRUCTION JOINTS
3. DOWELS SHALL BE:
   - SECURELY POSITIONED PARALLEL TO PAVEMENT CENTERLINE AND FINISHED SURFACE
   - PART COATED AS SHOWN WITH APPROVED BOND BREAKING MATERIAL.
4. TIE BARS SHALL BE SECURELY POSITIONED PARALLEL TO PAVEMENT CENTERLINE AND FINISHED SURFACE.
5. STEEL FABRIC SHALL BE LOCATED IN THE TOP THIRD OF THE BASE AND SHALL HAVE A MINIMUM COVER OF 50mm. REFER TO SPECIFICATIONS FOR DETAILS OD STEEL FABRIC.
6. SUBBASE AND BASE TRANSVERSE JOINTS SHALL BE OFFSET BY A MINIMUM OF 500mm.
7. TIED CONSTRUCTION JOINTS SHALL BE LOCATED IN THE MIDDLE THIRD OF THE SLAB LENGTH AND AT LEAST 1.5m FROM TRANSVERSE CONTRACTION JOINTS.
8. DOWEL CAP MAY BE OMITTED FOR SHORT SLAB (<5m) CONTRACTION JOINTS.
9. SFRC IS STEEL FIBRE REINFORCE CONCRETE.
10. TIE BAR SHALL NOT BE PLACE WITHIN 500mm OF A TRANSVERSE CONTRACTION JOINT.
11. REINFORCEMENT FOR JOINTED AND CONTINUOUSLY REINFORCED PAVEMENTS IS NOT SHOWN REFER TO SCHEDULE OF DETAILS.
12. SUBBASE AND BASE LONGITUDINAL JOINTS SHALL BE OFFSET BY NOT LESS THAN 250mm BUT NOT MORE THAN 300mm.
13. SAME DIMENSIONS FOR STEEL FIBRE REINFORCED CONCRETE.
14. KERN AND CHANNEL TIED JOINT:
    IF KERB AND CHANNEL AND BASE ARE CAST SIMULTANEOUSLY, TIE BARS ARE NOT REQUIRED BETWEEN THEM. THE PAVEMENT REINFORCEMENT SHALL BE EXTENDED INTO THE KERB AND CHANNEL AND THE BACK OF KERB IS THE EDGE OF PAVEMENT.
15. BACKING ROD SHALL BE MADE OF POLYETHELENE FOAM OR APPROVED EQUIVALENT. ALTERNATIVE MATERIAL AND SHAPE MAY BE APPROVED.
16. AN APPROVED NEOPRENE COMPRESSION SEAL CONFORMING TO ASTM D2628 MAY BE USED INSTEAD OF A FIELD MOULDED SEALANT AND BACKING ROD.
17. AN APPROVED SEALANT SHALL BE INSTALLED ALONG THE TOP AND DOWN THE VERTICAL EDGES OF THE EXPANSION JOINT.
18. REINFORCEMENT SHALL BE LOCATED IN THE TOP THIRD OF THE BASE AND SHALL HAVE A MINIMUM COVER OF 50mm.
19. RECTANGULAR MESH SHALL BE ALIGNED WITH THE CLOSER SPACED WIRES PARALLEL TO THE PAVEMENT CENTERLINE.
20. ALL PAVEMENT DESIGNS HAVE BEEN PROVIDED BY TONKIN AND TAYLOR. ARCADIS ARE NOT RESPONSIBLE FOR THE DESIGN OF THE PAVEMENTS WITHIN THIS STAGE OF WORKS. THE PAVEMENT COMPOSITIONS HAVE BEEN EXTRACTED FROM THE PAVEMENT REPORT FOR THIS STAGE OF WORKS. THE CONTRACTOR SHOULD REVIEW THIS DOCUMENT IN CONJUNCTION WITH THE GEOTECHNICAL AND PAVEMENT REPORTS PROVIDED BY TONKIN AND TAYLOR.
21. REFER TO SHEET DRG-0002 FOR GENERAL NOTES.

Issue	Description	DR	CH	VE	Date
04	DESIGN CO-ORDINATION AMENDMENTS	CM	CS	IOC	18.07.23
03	RESPONSE TO COUNCIL RFI	CM	CS	SE	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

0 10 20 30 40 50m

1 : 500

Planner

RobertsDay planning·design·place

Client

RESIMAX GROUP

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

PAVEMENT PLAN
SHEET 2

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 18, Queen & Collins Tower
376-390 Collins Street
Melbourne VIC 3000 Australia
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

Project No.	Originator	Zone	Stage	Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD			CV	DRG	0282	04

100mm on Original

Date Plotted: 27 Jul 2023 - 04:22pm File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0280-TypicalDetails.dwg V1

REFER TO DRAWING DRG-0291 FOR CONTINUATION

FUTURE STAGE 22B

PROVIDE, "NO ROAD" SIGN & BARRIER IF FUTURE STAGE WORKS HAVE NOT COMMENCE

RESERVE NO.145

GOROKE STREET

CHERRYPOOL CRESCENT

OZENKADNOOK WAY

KARNAK LANE

STAGE 22A

SUPERLOT S193

SUPERLOT S194

SUPERLOT S195

RESERVE NO. 146

RESERVE NO.147

RESERVE NO.149

ZUMSTEINS WALK

RESERVE NO.148

GYMBOWEN AVENUE

MOUNT MARY ROAD

MOYREISK CLOSE

MURTOA CRESCENT

EXIST STAGE

EXISTING STAGE 18C

EXISTING STAGE 18B

RESERVE NO. 115

RESERVE NO. 112

FUTURE STAGE 26

GIVE WAY R1-2 A

20 km/h

D4-5 A

LEGEND

100	CONTINUOUS LANE LINE (LL)
1000 / 3000 — 200	CONTINUITY LINE (CL)
600 / 600 — 300	GIVE WAY LINE (GL)
	RAISED REFLECTIVE PAVEMENT MARKER
	SIGN POST
100 / 100 / 100 / 100 / 5000 / 1000	CHEVRON

NOTE:

1. FOR GENERAL NOTES, REFER TO DRAWING No. DRG-002.

Issue	Description	DR	CH	VE	Date
03	RESPONSE TO COUNCIL RFI	CM	CS	IOC	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

100mm on Original

Scales

0 10 20 30 40 50m

1 : 500

Planner

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Client

RESIMAX GROUP

Status

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

SIGNAGE AND LINEMARKING PLAN SHEET 1

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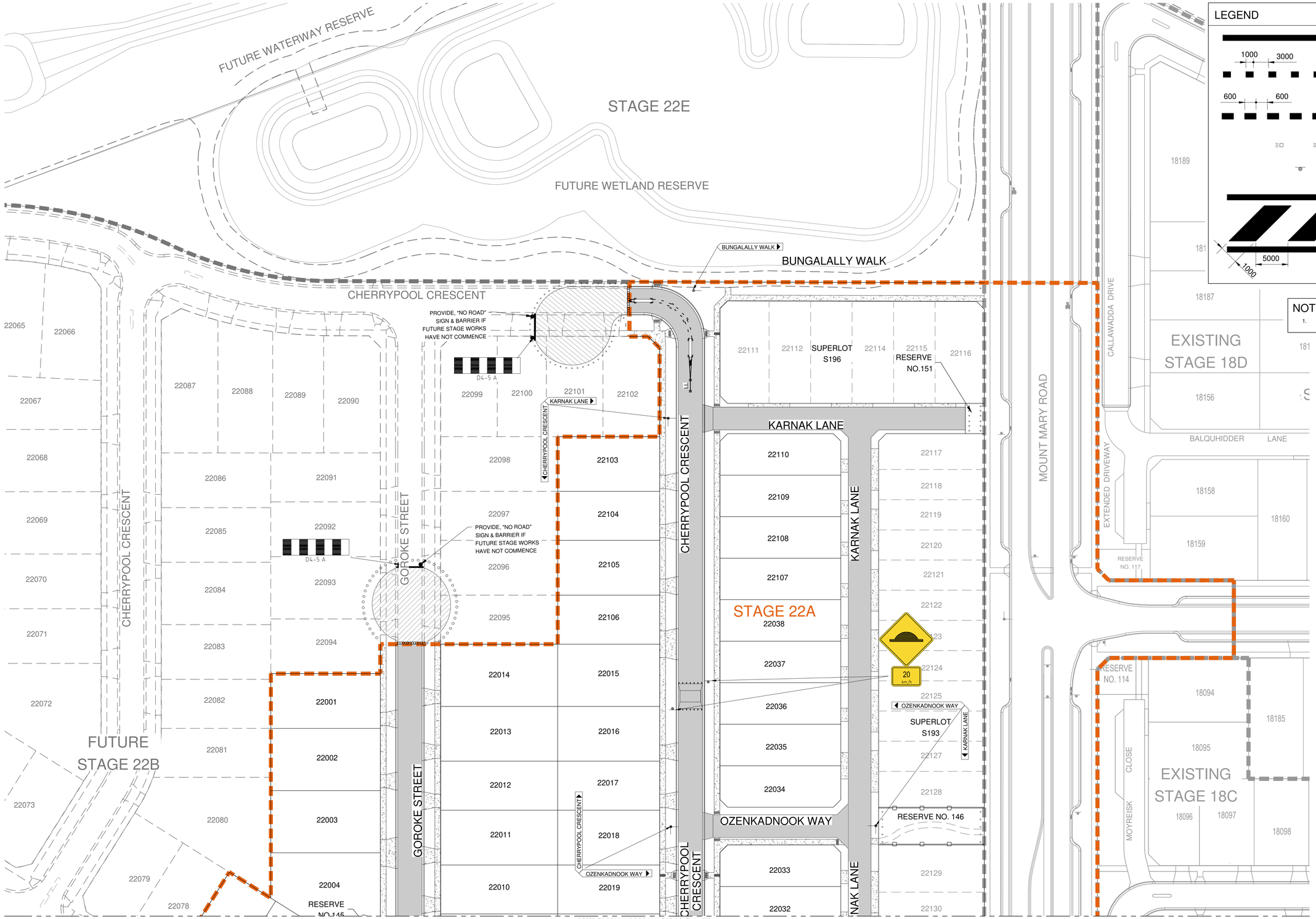
Tel No: +61 3 8623 4000
www.arcadis.com

Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0290	03

Date Plotted: 27 Jul 2023 - 04:37pm File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0290-Sign&Linemarking.dwg V1



LEGEND

100	CONTINUOUS LANE LINE (LL)
1000 / 3000 — 200	CONTINUITY LINE (CL)
600 / 600 — 300	GIVE WAY LINE (GL)
	RAISED REFLECTIVE PAVEMENT MARKER
	SIGN POST
100 / 100 / 100 / 100 — 5000 / 1000	CHEVRON

NOTE:

1. FOR GENERAL NOTES, REFER TO DRAWING No. DRG-002.

Issue	Description	DR	CH	VE	Date
04	DESIGN CO-ORDINATION AMENDMENTS	CM	CS	IOC	18.07.23
03	RESPONSE TO COUNCIL RFI	CM	CS	SE	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

N

0 10 20 30 40 50m

1 : 500

Planner

RobertsDay planning·design·place

Client

RESIMAX GROUP

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

SIGNAGE AND LINEMARKING
PLAN SHEET 2

ARCADIS

Arcadis Australia Pacific Pty Limited
Level 18, Queen & Collins Tower
376-390 Collins Street
Melbourne VIC 3000 Australia
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Tel No: +61 3 8623 4000
www.arcadis.com

Project No.	Originator	Zone	Stage	Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA	22ADD		CV	DRG	0291	04

100mm on Original

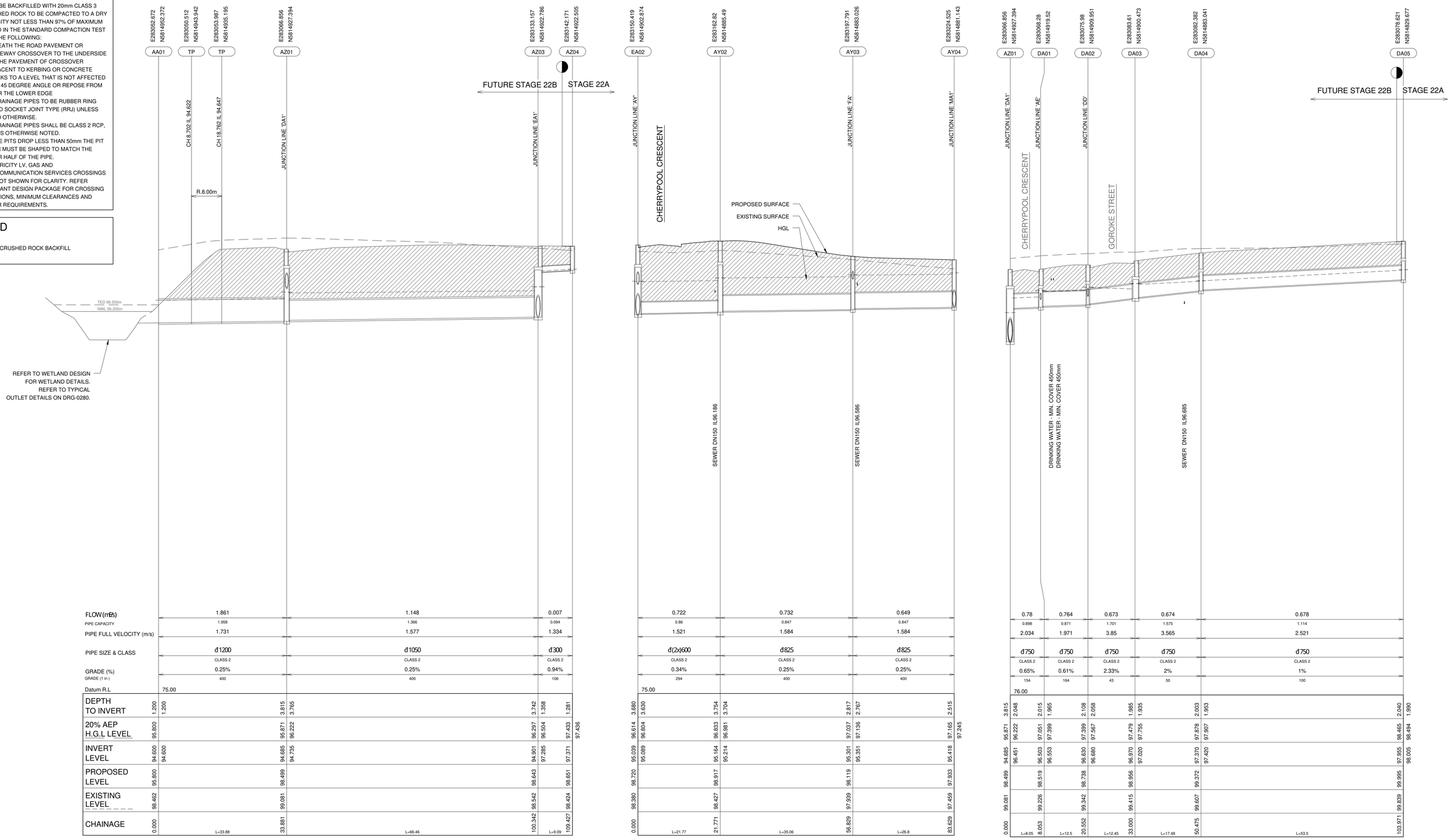
Date Plotted: 27 Jul 2023 - 05:05pm File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0290-Sign&Linemarking.dwg V1

NOTES:

1. REFER TO SHEET DRG-0002 FOR GENERAL NOTES.
2. PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENTSITY NOT LESS THAN 97% OF MAXIMUM FOUND IN THE STANDARD COMPACTION TEST FOR THE FOLLOWING:
   - BENEATH THE ROAD PAVEMENT OR DRIVEWAY CROSSOVER TO THE UNDERSIDE OF THE PAVEMENT OF CROSSOVER
   - ADJACENT TO KERBING OR CONCRETE WORKS TO A LEVEL THAT IS NOT AFFECTED BY A 45 DEGREE ANGLE OR REPOSE FROM NEAR THE LOWER EDGE
3. ALL DRAINAGE PIPES TO BE RUBBER RING BELLED SOCKET JOINT TYPE (RRJ) UNLESS NOTED OTHERWISE.
4. ALL DRAINAGE PIPES SHALL BE CLASS 2 RCP, UNLESS OTHERWISE NOTED.
5. WHERE PITS DROP LESS THAN 50mm THE PIT FLOOR MUST BE SHAPED TO MATCH THE LOWER HALF OF THE PIPE.
6. ELECTRICITY LV, GAS AND TELECOMMUNICATION SERVICES CROSSINGS ARE NOT SHOWN FOR CLARITY. REFER RELEVANT DESIGN PACKAGE FOR CROSSING LOCATIONS, MINIMUM CLEARANCES AND COVER REQUIREMENTS.

LEGEND

CRUSHED ROCK BACKFILL



LINE AZ

	AA01	TP	TP	AZ01	AZ03	AZ04
Easting	E283052.672	E283050.512	E283053.987	E283066.856	E283133.157	E283142.171
Northing	N5814952.372	N5814943.942	N5814935.195	N5814927.394	N5814922.786	N5814922.505
FLOW (m³/s)	1.861		1.148		0.007	
PIPE CAPACITY	1.958		1.366		0.094	
PIPE FULL VELOCITY (m/s)	1.731		1.577		1.334	
PIPE SIZE & CLASS	d1200 CLASS 2		d1050 CLASS 2		d300 CLASS 2	
GRADE (%)	0.25%		0.25%		0.94%	
GRADE (1 in)	400		400		106	
Datum R.L	75.00					
DEPTH TO INVERT	1.200 / 1.200		3.815 / 3.765		3.742 / 1.358	1.281
20% AEP H.G.L LEVEL	95.800		95.871 / 96.222		96.297 / 96.504	97.433 / 97.436
INVERT LEVEL	94.600 / 94.600		94.685 / 94.735		94.901 / 97.285	97.371
PROPOSED LEVEL	95.800		98.499		98.643	98.651
EXISTING LEVEL	98.462		99.081		98.542	98.424
CHAINAGE	0.000	L=33.88	33.881	L=66.46	100.342	L=9.09 109.427

LINE AY

	EA02	AY02	AY03	AY04
Easting	E283150.419	E283162.82	E283197.791	E283224.525
Northing	N5814902.874	N5814885.49	N5814883.026	N5814881.143
FLOW (m³/s)	0.722	0.732	0.649	
PIPE CAPACITY	0.86	0.847	0.847	
PIPE FULL VELOCITY (m/s)	1.521	1.584	1.584	
PIPE SIZE & CLASS	d(2x)600 CLASS 2	d825 CLASS 2	d825 CLASS 2	
GRADE (%)	0.34%	0.25%	0.25%	
GRADE (1 in)	294	400	400	
Datum R.L	75.00			
DEPTH TO INVERT	3.680 / 3.630	3.754 / 3.704	2.817 / 2.767	2.515
20% AEP H.G.L LEVEL	96.614 / 96.804	96.833 / 96.981	97.037 / 97.136	97.165 / 97.245
INVERT LEVEL	95.039 / 95.089	95.164 / 95.214	95.301 / 95.351	95.418
PROPOSED LEVEL	98.720	98.917	98.119	97.933
EXISTING LEVEL	98.380	98.427	97.939	97.459
CHAINAGE	0.000 L=21.77	21.771 L=35.06	56.829 L=26.8	83.629

LINE DA1

	AZ01	DA01	DA02	DA03	DA04	DA05
Easting	E283066.856	E283068.28	E283075.98	E283083.61	E283092.382	E283078.621
Northing	N5814927.394	N5814919.52	N5814909.951	N5814900.473	N5814883.041	N5814629.677
FLOW (m³/s)	0.78	0.764	0.673	0.674	0.678	
PIPE CAPACITY	0.898	0.871	1.701	1.575	1.114	
PIPE FULL VELOCITY (m/s)	2.034	1.971	3.85	3.565	2.521	
PIPE SIZE & CLASS	d750 CLASS 2	d750 CLASS 2	d750 CLASS 2	d750 CLASS 2	d750 CLASS 2	
GRADE (%)	0.65%	0.61%	2.33%	2%	1%	
GRADE (1 in)	154	164	43	50	100	
Datum R.L	76.00					
DEPTH TO INVERT	3.815 / 2.048	2.015 / 1.965	2.108 / 2.058	1.985 / 1.935	2.003 / 1.953	2.040 / 1.990
20% AEP H.G.L LEVEL	95.871 / 96.222	97.051 / 97.399	97.399 / 97.567	97.479 / 97.755	97.878 / 97.907	98.465 / 98.494
INVERT LEVEL	94.685 / 96.451	96.503 / 96.553	96.630 / 96.680	96.970 / 97.020	97.370 / 97.420	97.955 / 98.005
PROPOSED LEVEL	98.499	98.519	98.738	98.956	99.372	99.995
EXISTING LEVEL	99.081	99.226	99.342	99.415	99.607	99.839
CHAINAGE	0.000 L=8.05	8.053 L=12.5	20.552 L=12.45	33.000 L=17.48	50.475	L=53.5 103.971

Issue	Description	DR	CH	VE	Date
04	DESIGN CO-ORDINATION AMENDMENTS	CM	CS	IOC	18.07.23
03	RESPONSE TO COUNCIL RFI	CM	CS	SE	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

0 10 20 30 40 50m
1 : 500

0 2 4 6 8 10m
1 : 100

Planner: RobertsDay planning·design·place

Client: RESIMAX GROUP

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project: EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title: STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 1

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 18, Queen & Collins Tower
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www.arcadis.com

Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0300	04

100mm on Original

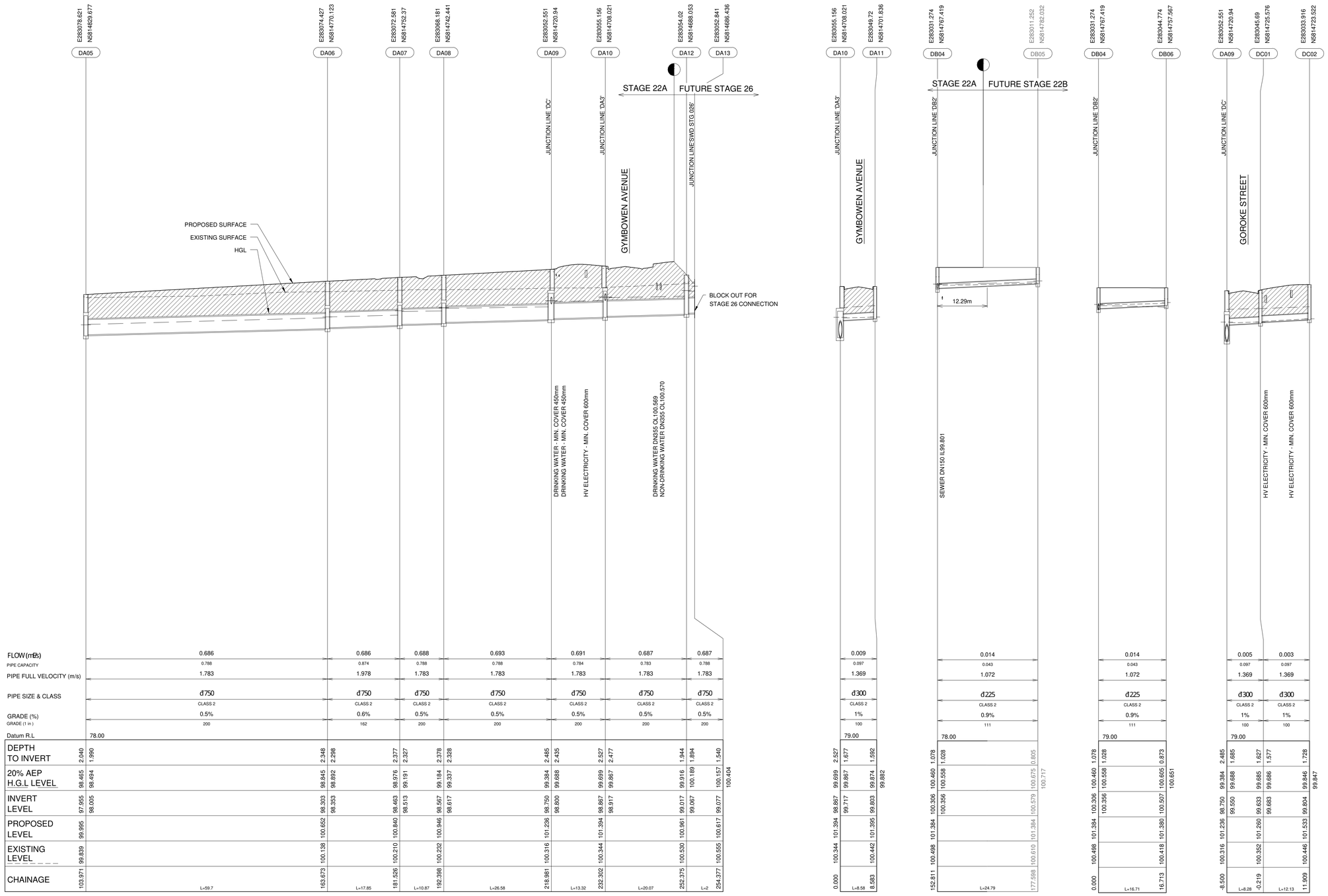
Date Plotted: 17 Jul 2023 - 11:03pm File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0300-SwdLS.dwg V1

NOTES:

1. REFER TO SHEET DRG-0002 FOR GENERAL NOTES.
2. PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENTSITY NOT LESS THAN 97% OF MAXIMUM FOUND IN THE STANDARD COMPACTION TEST FOR THE FOLLOWING:
   - BENEATH THE ROAD PAVEMENT OR DRIVEWAY CROSSOVER TO THE UNDERSIDE OF THE PAVEMENT OF CROSSOVER
   - ADJACENT TO KERBING OR CONCRETE WORKS TO A LEVEL THAT IS NOT AFFECTED BY A 45 DEGREE ANGLE OR REPOSE FROM NEAR THE LOWER EDGE
3. ALL DRAINAGE PIPES TO BE RUBBER RING BELLED SOCKET JOINT TYPE (RRJ) UNLESS NOTED OTHERWISE.
4. ALL DRAINAGE PIPES SHALL BE CLASS 2 RCP, UNLESS OTHERWISE NOTED.
5. WHERE PITS DROP LESS THAN 50mm THE PIT FLOOR MUST BE SHAPED TO MATCH THE LOWER HALF OF THE PIPE.
6. ELECTRICITY LV, GAS AND TELECOMMUNICATION SERVICES CROSSINGS ARE NOT SHOWN FOR CLARITY. REFER RELEVANT DESIGN PACKAGE FOR CROSSING LOCATIONS, MINIMUM CLEARANCES AND COVER REQUIREMENTS.

LEGEND

CRUSHED ROCK BACKFILL



Issue	Description	DR	CH	VE	Date
04	DESIGN CO-ORDINATION AMENDMENTS	CM	CS	IOC	18.07.23
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02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

0 10 20 30 40 50m
1 : 500

0 2 4 6 8 10m
1 : 100

Planner

RobertsDay planning·design·place

Client

RESIMAX GROUP

Status

FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

STORMWATER DRAINAGE
LONGITUDINAL SECTIONS
SHEET 2

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Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0301	04

100mm on Original

Date Plotted: 17 Jul 2023 - 11:04pm File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0300-SwdLS.dwg V1

NOTES:

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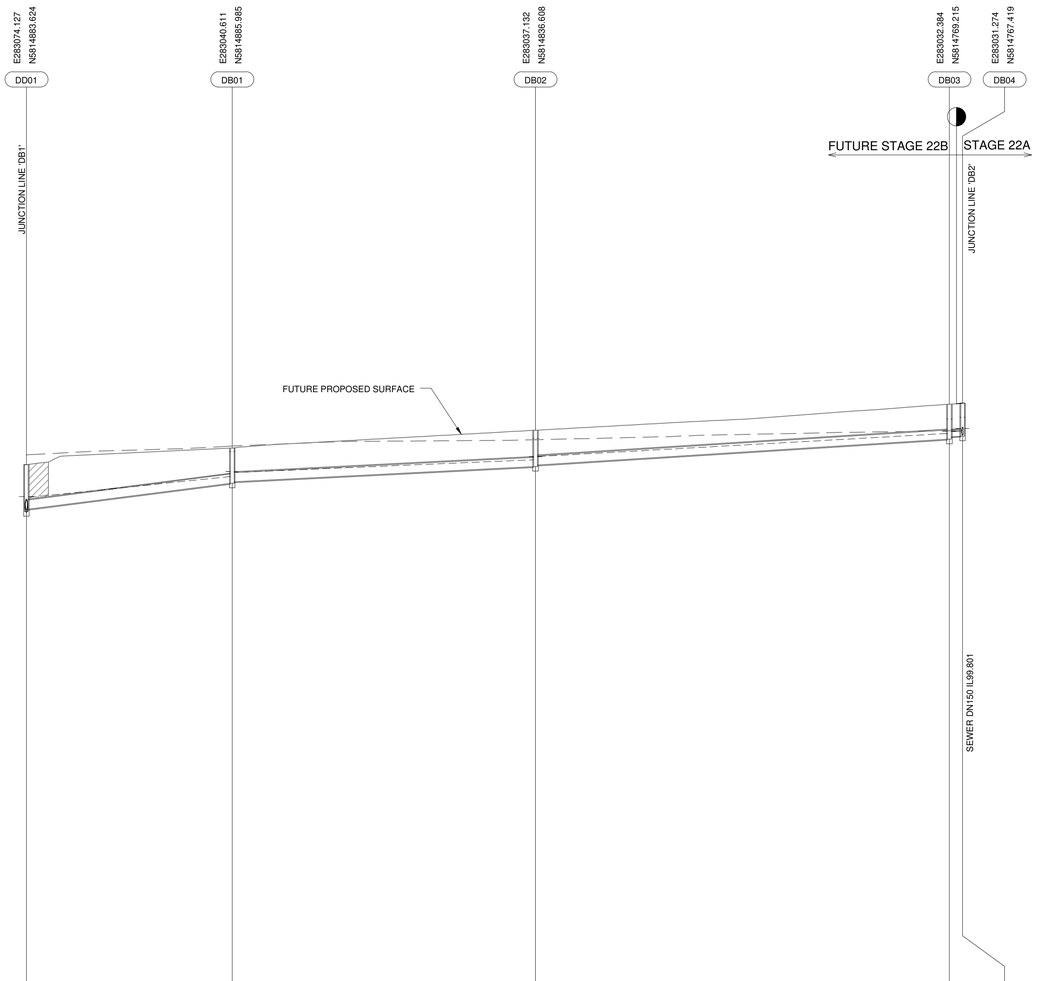
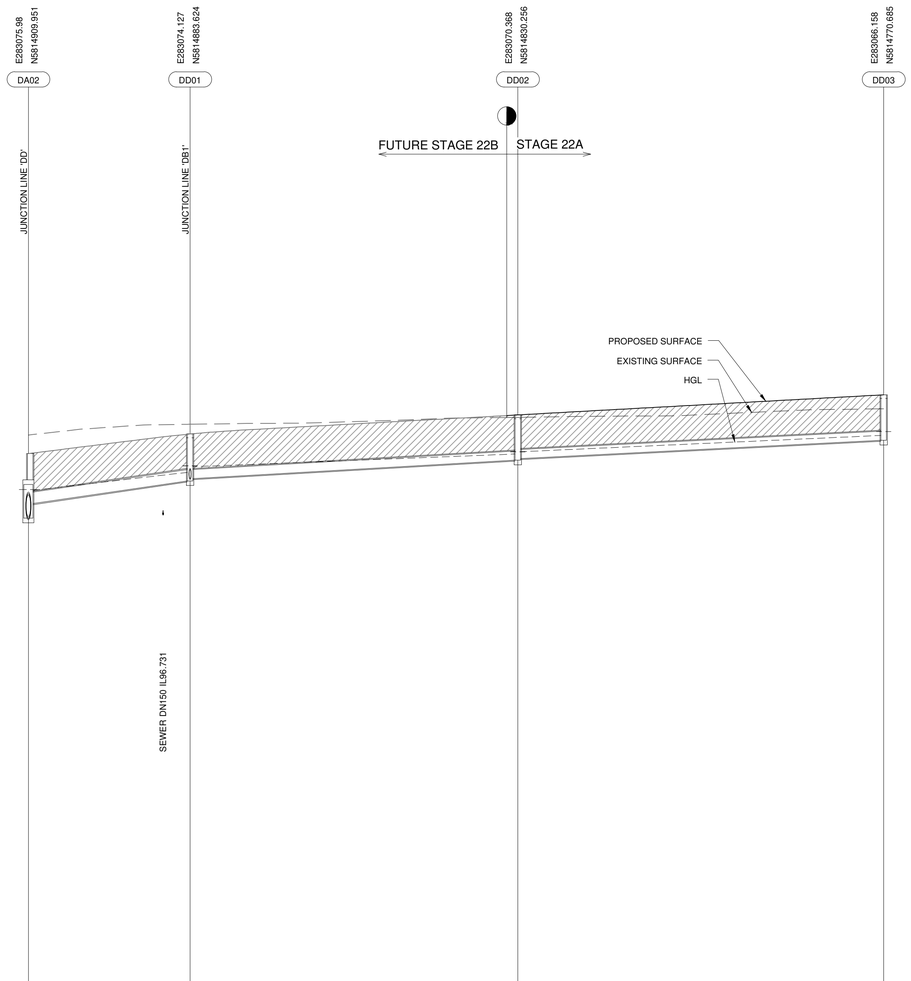
LEGEND

CRUSHED ROCK BACKFILL





FLOW (m³/s)		0.078						0.081						0.057						0.034															
PIPE CAPACITY		0.154						0.097						0.108						0.045															
PIPE FULL VELOCITY (m/s)		2.176						1.369						1.53						1.13															
PIPE SIZE & CLASS		d300 CLASS 2						d300 CLASS 2						d300 CLASS 2						d225 CLASS 2															
GRADE (%)		2.53%						1%						1.25%						1%															
GRADE (1 in)		40						100						80						100															
Datum R.L	78.00																																		
DEPTH TO INVERT	1.532	1.457					1.148	1.088					1.184	1.134					1.140	1.065					1.078	1.028									
20% AEP H.G.L LEVEL	98.126	98.339					98.989	99.154					99.537	99.640					100.395	100.468					100.460	100.558									
INVERT LEVEL	97.846	97.921					98.770	98.820					99.315	99.365					100.210	100.285					100.306	100.356									
PROPOSED LEVEL	99.378						99.918						100.500						101.350						101.384										
EXISTING LEVEL	99.696						99.984						100.190						100.485						100.498										
CHAINAGE	0.000				L=33.6		33.600				L=49.5		83.100				L=67.56		150.660				L=2.15		152.811										

LINE DB1

FLOW (m³/s)		0.145						0.065						0.042																					
PIPE CAPACITY		0.294						0.103						0.097																					
PIPE FULL VELOCITY (m/s)		2.661						1.454						1.369																					
PIPE SIZE & CLASS		d375 CLASS 2						d300 CLASS 2						d300 CLASS 2																					
GRADE (%)		2.81%						1.13%						1%																					
GRADE (1 in)		36						89						100																					
Datum R.L	77.00																																		
DEPTH TO INVERT	2.108	1.633					1.532	1.457					1.476	1.426					1.486																
20% AEP H.G.L LEVEL	97.399	97.567					98.126	98.339					98.724	98.798					99.330																
INVERT LEVEL	96.630	97.105					97.846	97.921					98.524	98.574					99.172																
PROPOSED LEVEL	98.738						99.378						100.000						100.658																
EXISTING LEVEL	99.342						99.696						99.921						100.202																
CHAINAGE	0.000				L=26.39		26.392				L=53.5		79.892				L=59.72		139.612																

LINE DD

Issue	Description	DR	CH	VE	Date
04	DESIGN CO-ORDINATION AMENDMENTS	CM	CS	IOC	18.07.23
03	RESPONSE TO COUNCIL RFI	CM	CS	SE	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

0 10 20 30 40 50m

1 : 500

0 2 4 6 8 10m

1 : 100

Planner

RobertsDay planning·design·place

Client

RESIMAX GROUP

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

STORMWATER DRAINAGE
LONGITUDINAL SECTIONS
SHEET 3

ARCADIS

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Level 18, Queen & Collins Tower
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www.arcadis.com

Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0302	04

100mm on Original

Date Plotted: 17 Jul 2023 - 11:05pm File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0300-SwdLS.dwg V1

NOTES:

1. REFER TO SHEET DRG-0002 FOR GENERAL NOTES.
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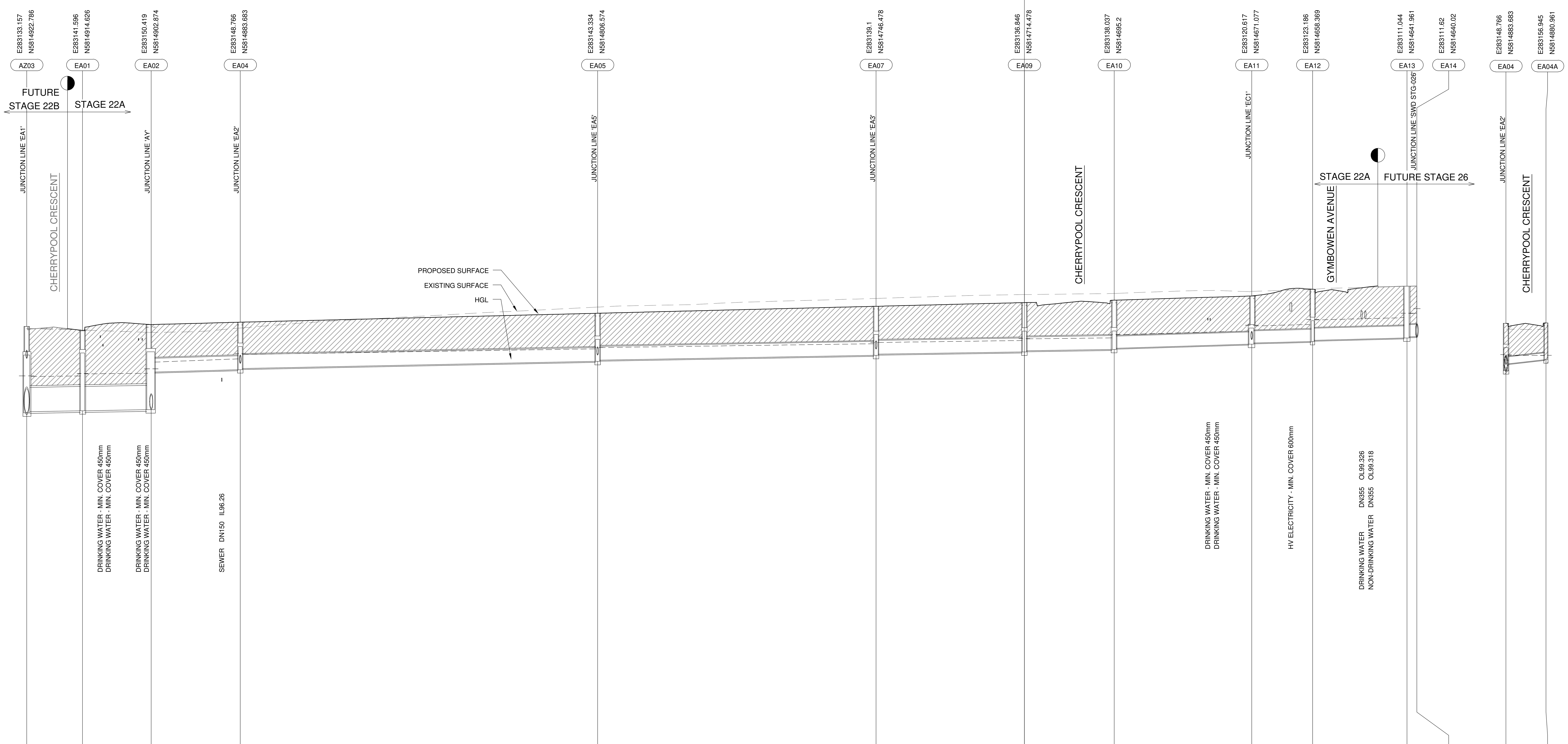
LEGEND

CRUSHED ROCK BACKFILL



LINE EA1 – pipe data

FLOW (m³/s)	PIPE CAPACITY	PIPE FULL VELOCITY (m/s)	PIPE SIZE & CLASS		GRADE (%)	GRADE (1 in)	Length
1.148	1.597	1.845	Ø1050	CLASS 2	0.34%	292	L=12.08
1.146	1.534	1.771	Ø1050	CLASS 2	0.32%	317	L=14.85
0.434	0.456	1.611	Ø600	CLASS 2	0.55%	182	L=19.26
0.365	0.388	1.374	Ø600	CLASS 2	0.4%	250	L=77.3
0.35	0.363	1.285	Ø600	CLASS 2	0.35%	286	L=60.24
0.327	0.336	1.19	Ø600	CLASS 2	0.3%	333	L=32.08
0.311	0.336	1.19	Ø600	CLASS 2	0.3%	333	L=19.43
0.312	0.333	1.54	Ø525	CLASS 2	0.6%	167	L=29.76
0.3	0.304	1.405	Ø525	CLASS 2	0.5%	200	L=13.18
0.301	0.304	1.405	Ø525	CLASS 2	0.5%	200	L=20.41
0.302	0.304	1.405	Ø525	CLASS 2	0.5%	200	L=2.14

Datum R.L 76.00

LINE EA1 – levels

CHAINAGE	DEPTH TO INVERT	20% AEP H.G.L LEVEL	INVERT LEVEL	PROPOSED LEVEL	EXISTING LEVEL
0.000	3.742 / 3.692	96.297 / 96.504	94.901 / 94.951	98.643	98.542
12.080	3.464 / 3.464	96.497 / 96.604	94.993 / 94.993	98.456	98.486
26.933	3.680 / 2.055	96.614 / 96.804	95.039 / 96.664	98.720	98.380
46.196	2.053 / 2.003	97.237 / 97.471	96.770 / 96.820	98.823	98.572
123.496	2.080 / 2.030	97.670 / 97.727	97.130 / 97.180	99.210	99.477
183.740	2.121 / 2.071	97.891 / 97.949	97.390 / 97.440	99.511	99.852
215.820	2.135 / 2.085	98.031 / 98.113	97.537 / 97.587	99.672	100.018
235.245	2.130 / 2.080	98.145 / 98.291	97.645 / 97.695	99.775	100.067
265.001	2.084 / 2.034	98.440 / 98.692	97.874 / 97.924	99.958	100.158
278.181	2.261 / 2.211	98.725 / 98.941	97.989 / 98.039	100.250	100.245
298.594	2.240 / 2.190	99.019 / 99.214	98.141 / 98.191	100.382	100.382
300.733	2.184	99.213 / 99.411	98.202	100.386	100.386

LINE EA1

LINE EA2 – pipe data

FLOW (m³/s)	PIPE CAPACITY	PIPE FULL VELOCITY (m/s)	PIPE SIZE & CLASS		GRADE (%)	GRADE (1 in)	Length
0.007	0.137	1.936	Ø300	CLASS 2	2%	50	L=8.65

Datum R.L 76.00

LINE EA2 – levels

CHAINAGE	DEPTH TO INVERT	20% AEP H.G.L LEVEL	INVERT LEVEL	PROPOSED LEVEL	EXISTING LEVEL
0.000	2.053 / 1.753	97.237 / 97.471	96.770 / 97.070	98.823	98.572
8.646	1.595	97.430 / 97.435	97.243	98.838	98.547

LINE EA2

Issue	Description	DR	CH	VE	Date
04	DESIGN CO-ORDINATION AMENDMENTS	CM	CS	IOC	18.07.23
03	RESPONSE TO COUNCIL RFI	CM	CS	SE	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales: 0 10 20 30 40 50m — 1 : 500; 0 2 4 6 8 10m — 1 : 100

Planner: RobertsDay planning·design·place

Client: RESIMAX GROUP

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project: EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title: STORMWATER DRAINAGE
LONGITUDINAL SECTIONS
SHEET 4

ARCADIS
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Project No.	Originator	Zone / Stage / Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0303	04

NOTES:

1. REFER TO SHEET DRG-0002 FOR GENERAL NOTES.
2. PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENTSITY NOT LESS THAN 97% OF MAXIMUM FOUND IN THE STANDARD COMPACTION TEST FOR THE FOLLOWING:
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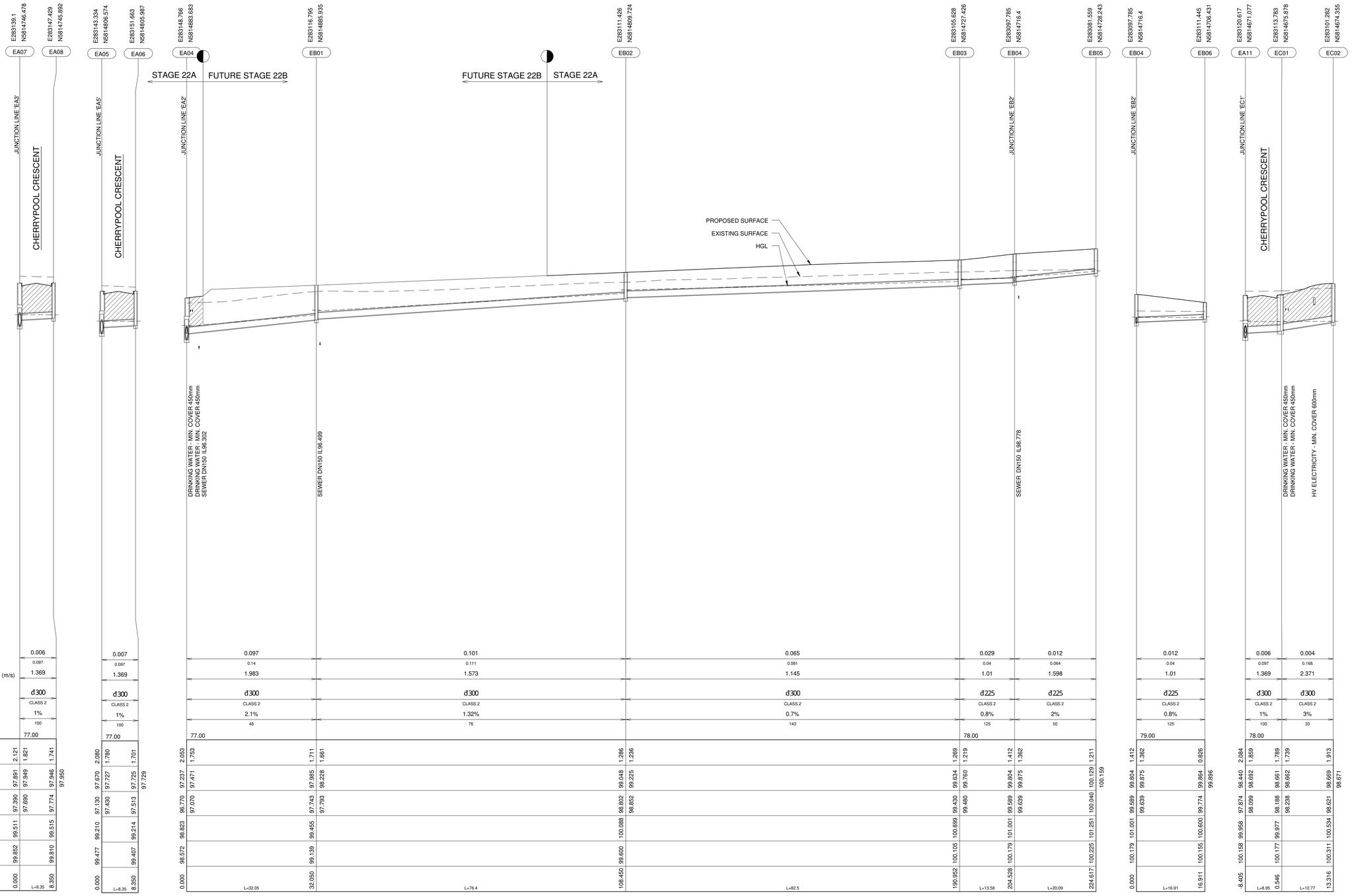
LEGEND

CRUSHED ROCK BACKFILL



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Scales

0 10 20 30 40 50m
1 : 500

0 2 4 6 8 10m
1 : 100

Planner

RobertsDay planning·design·place

Client

RESIMAX GROUP

Status

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

STORMWATER DRAINAGE
LONGITUDINAL SECTIONS
SHEET 5

ARCADIS
Arcadis Australia Pacific Pty Limited
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Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0304	04

100mm on Original

Date Plotted: 17 Jul 2023 - 11:06pm File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0300-SwdLS.dwg V1

NOTES:

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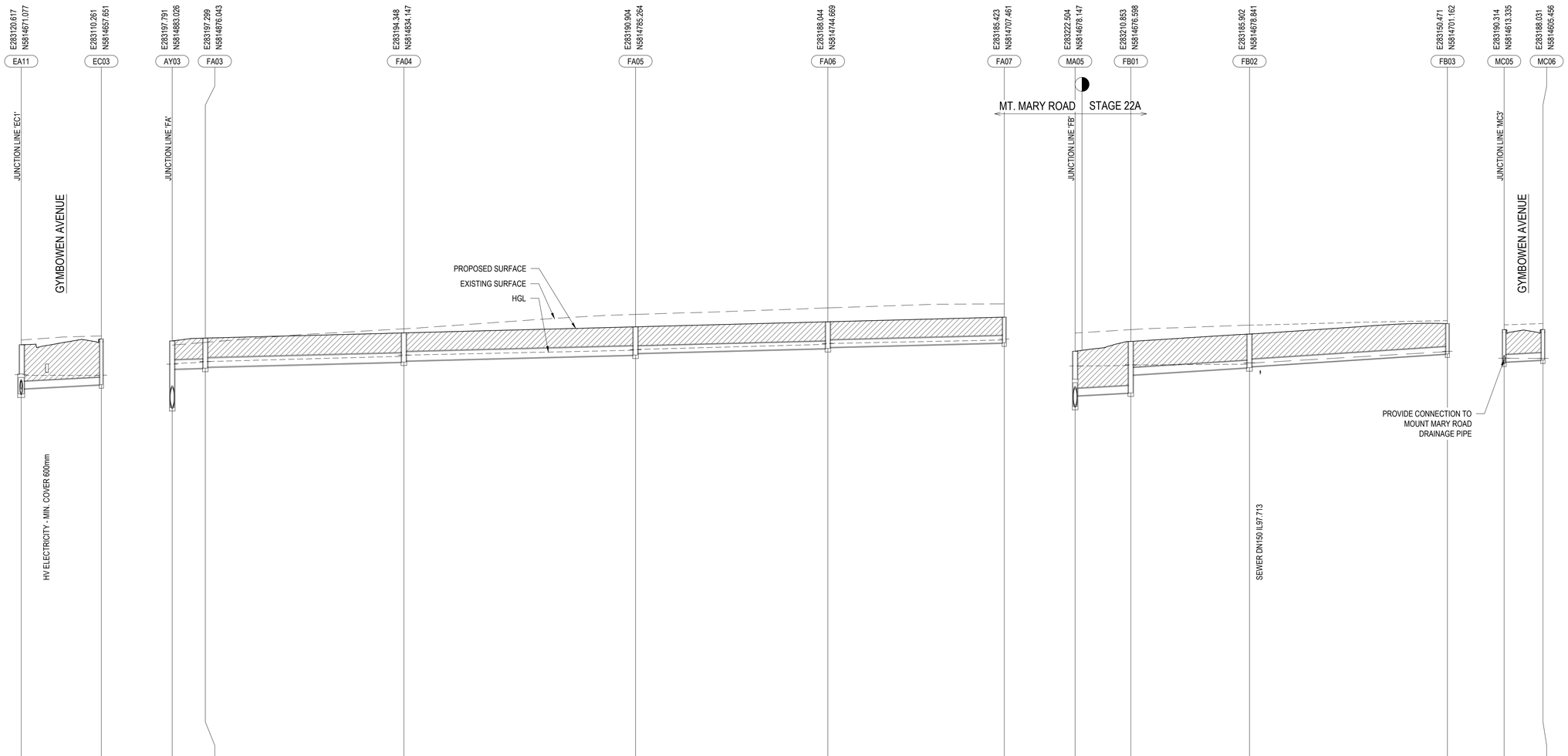
LEGEND

CRUSHED ROCK BACKFILL



LINE EC2

	EA11	EC03
FLOW (m³/s)		0.01
PIPE CAPACITY		0.097
PIPE FULL VELOCITY (m/s)		1.369
PIPE SIZE & CLASS		Ø300 CLASS 2
GRADE (%)		1%
GRADE (1 in)		100
Datum R.L	78.00	
DEPTH TO INVERT	2.084 / 1.859	1.934
20% AEP H.G.L LEVEL	98.440 / 98.692	98.662 / 98.672
INVERT LEVEL	97.874 / 98.099	98.268
PROPOSED LEVEL	99.958	100.202
EXISTING LEVEL	100.158	100.329
CHAINAGE	0.000	16.956
	L=16.96	

LINE FA

	AY03	FA03	FA04	FA05	FA06	FA07
FLOW (m³/s)	0.099	0.093	0.07	0.043	0.024	
PIPE CAPACITY	0.124	0.124	0.124	0.068	0.068	
PIPE FULL VELOCITY (m/s)	1.123	1.123	1.123	0.968	0.968	
PIPE SIZE & CLASS	Ø375 CLASS 2	Ø375 CLASS 2	Ø375 CLASS 2	Ø300 CLASS 2	Ø300 CLASS 2	
GRADE (%)	0.5%	0.5%	0.5%	0.5%	0.5%	
GRADE (1 in)	200	200	200	200	200	
Datum R.L	76.00					
DEPTH TO INVERT	2.817 / 1.187	1.271 / 1.221	1.231 / 1.181	1.193 / 1.118	1.129 / 1.079	1.088
20% AEP H.G.L LEVEL	97.037 / 97.136	97.218 / 97.246	97.468 / 97.518	97.723 / 97.753	97.974 / 98.011	98.158 / 98.196
INVERT LEVEL	95.301 / 96.932	96.967 / 97.017	97.227 / 97.277	97.522 / 97.597	97.800 / 97.850	98.037
PROPOSED LEVEL	98.119	98.237	98.458	98.715	98.929	99.125
EXISTING LEVEL	97.939	98.057	98.632	99.240	99.517	99.687
CHAINAGE	0.000	7.000	49.000	98.004	138.700	176.000
		L=7	L=42	L=49	L=40.7	L=37.3

LINE FB

	MA05	FB01	FB02	FB03
FLOW (m³/s)	0.039	0.037	0.016	
PIPE CAPACITY	0.097	0.107	0.109	
PIPE FULL VELOCITY (m/s)	1.369	1.507	1.541	
PIPE SIZE & CLASS	Ø300 CLASS 2	Ø300 CLASS 2	Ø300 CLASS 2	
GRADE (%)	1%	1.21%	1.3%	
GRADE (1 in)	100	82	79	
Datum R.L	77.00			
DEPTH TO INVERT	2.332 / 1.882	2.179 / 1.416	1.425 / 1.375	1.283
20% AEP H.G.L LEVEL	98.001 / 98.061	98.076 / 98.105	98.136 / 98.169	98.663 / 98.680
INVERT LEVEL	96.351 / 96.801	96.919 / 97.603	97.987 / 98.037	98.568
PROPOSED LEVEL	98.683	99.098	99.412	99.850
EXISTING LEVEL	99.451	99.596	99.787	99.976
CHAINAGE	-23.802	-12.028	13.074	54.949
	L=11.77		L=25.1	L=41.88

LINE MC3

	MC05	MC06
FLOW (m³/s)	0.008	
PIPE CAPACITY	0.097	
PIPE FULL VELOCITY (m/s)	1.369	
PIPE SIZE & CLASS	Ø300 CLASS 2	
GRADE (%)	1.0%	
GRADE (1 in)	100	
Datum R.L	77.00	
DEPTH TO INVERT	1.418 / 1.368	1.289
20% AEP H.G.L LEVEL	98.381 / 98.387	98.378 / 98.384
INVERT LEVEL	98.160 / 98.231	98.313
PROPOSED LEVEL	99.599	99.602
EXISTING LEVEL	99.798	99.852
CHAINAGE	0.000	8.203
	L=8.2	

Issue	Description	DR	CH	VE	Date
04	DESIGN CO-ORDINATION AMENDMENTS	CM	CS	IOC	18.07.23
03	RESPONSE TO COUNCIL RFI	CM	CS	SE	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

0 10 20 30 40 50m
1 : 500

0 2 4 6 8 10m
1 : 100

Planner: RobertsDay planning·design·place

Client: RESIMAX GROUP

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project: EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title: STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 6

ARCADIS
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www.arcadis.com

Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0305	04

100mm on Original

Date Plotted: 18 Jul 2023 - 01:54pm File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0300-SwdLS.dwg V1

PIT SCHEDULE

Pit		INTERNAL		INLET		OUTLET		PIT		Standard Drawing	REMARKS
Name	TYPE	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH		
AA01	HEADWALL						94.600	95.800	1.200	REFER DRAWING DRG-280 FOR OUTLET DETAIL	TWIN DIA 1200mm HEADWALL
AY02	JUNCTION PIT HAUNCHED	1.05	2.4	825	95.214	(2x)600	95.164	98.917	3.754	EDCM 607	
AY03	GRATED PIT	0.9	0.9	825	95.351	825	95.301	98.119	2.817	IDM SD 455	CLASS D HEAVY DUTY V GRATE
				375	96.932						
AY04	GRATED PIT	0.9	0.9	825	95.468	825	95.418	97.933	2.515	IDM SD 455	CLASS D HEAVY DUTY V GRATE
AZ01	SIDE ENTRY PIT GRATED HAUNCHED	1.8	1.2	1050	94.735	1200	94.685	98.499	3.815	EDCM 601 AND 607	
				750	94.451						
AZ03	JUNCTION PIT HAUNCHED	1.35	1.8	300	97.285	1050	94.901	98.643	3.742	EDCM 607	
				900	94.951						
AZ04	DOUBLE SIDE ENTRY PIT GRATED	0.6	0.9			300	97.371	98.651	1.281	EDCM 602 AND 605	
DA01	SIDE ENTRY PIT GRATED HAUNCHED	0.9	1.35	300	96.932	750	96.503	98.519	2.015	EDCM 601 AND 607	
				750	96.553						
DA02	SIDE ENTRY PIT GRATED HAUNCHED	0.6	1.5	750	96.680	750	96.630	98.738	2.108	EDCM 601 AND 607	
				375	97.105						
DA03	SIDE ENTRY PIT GRATED HAUNCHED	1.05	1.8	750	97.020	750	96.970	98.956	1.985	EDCM 601 AND 607	
DA04	SIDE ENTRY PIT GRATED HAUNCHED	1.05	0.9	750	97.420	750	97.370	99.372	2.003	EDCM 601 AND 607	
DA05	SIDE ENTRY PIT GRATED HAUNCHED	1.05	0.9	750	98.005	750	97.955	99.995	2.040	EDCM 601 AND 607	
DA06	SIDE ENTRY PIT GRATED HAUNCHED	1.05	0.9	750	98.353	750	98.303	100.652	2.348	EDCM 601 AND 607	
DA07	JUNCTION PIT HAUNCHED	1.05	0.9	750	98.513	750	98.463	100.840	2.377	EDCM 607	
DA08	JUNCTION PIT HAUNCHED	1.05	0.9	750	98.617	750	98.567	100.946	2.378	EDCM 607	
DA09	SIDE ENTRY PIT GRATED HAUNCHED	1.05	1.5	750	98.800	750	98.750	101.236	2.485	EDCM 601 AND 607	
				300	99.550						
DA10	DOUBLE SIDE ENTRY PIT GRATED HAUNCHED	0.6	1.8	750	98.917	750	98.867	101.394	2.527	EDCM 602 AND 607	
				300	99.717						
DA12	GRATED PIT HAUNCHED	1.2	0.9	750	99.067	750	99.017	100.961	1.944	EDCM 607	PIT WITH TEMPORARY 900X900 SURFACE INLET GRATE
DA11	DOUBLE SIDE ENTRY PIT GRATED	0.6	0.9			300	99.803	101.395	1.592	EDCM 602 AND 605	
DB01	JUNCTION PIT	0.6	0.6	300	98.820	300	98.770	99.918	1.148	EDCM 605	
DB02	JUNCTION PIT	0.6	0.6	300	99.365	300	99.315	100.500	1.185	EDCM 605	
DB03	JUNCTION PIT	0.6	0.6	225	100.285	300	100.210	101.350	1.140	EDCM 605	
DB04	JUNCTION PIT	0.6	0.6	225	100.356	225	100.306	101.384	1.078	EDCM 605	
				225	100.356						
DB06	JUNCTION PIT	0.6	0.6			225	100.507	101.380	0.873	EDCM 605	
DC01	SIDE ENTRY PIT GRATED	0.6	0.9	300	99.749	300	99.699	101.562	1.863	EDCM 601 AND 605	
DC02	SIDE ENTRY PIT GRATED	0.6	0.9			300	99.871	101.873	2.002	EDCM 601 AND 605	
DD01	SIDE ENTRY PIT GRATED	0.6	0.9	300	97.921	375	97.846	99.378	1.532	EDCM 601 AND 605	
DD02	SIDE ENTRY PIT GRATED	0.6	0.9	300	98.574	300	98.524	100.000	1.476	EDCM 601 AND 605	
DD03	SIDE ENTRY PIT GRATED	0.6	0.9			300	99.172	100.658	1.486	EDCM 601 AND 605	
EA01	DOUBLE SIDE ENTRY PIT GRATED HAUNCHED	1.8	0.9	900	94.993	900	94.993	98.456	3.464	EDCM 602 AND 607	
EA02	SIDE ENTRY PIT GRATED HAUNCHED	1.5	2.7	(2x)600	95.089	1050	95.039	98.720	3.680	EDCM 601 AND 607	
				600	96.664						
EA04	SIDE ENTRY PIT GRATED HAUNCHED	0.9	0.9	600	96.820	600	96.770	98.823	2.053	EDCM 601 AND 607	
				300	97.070						
				300	97.070						
EA05	SIDE ENTRY PIT GRATED HAUNCHED	0.9	0.9	600	97.180	600	97.130	99.210	2.080	EDCM 601 AND 607	
				300	97.430						
EA06	SIDE ENTRY PIT GRATED	0.6	0.9			300	97.513	99.214	1.701	EDCM 601 AND 605	
EA07	SIDE ENTRY PIT GRATED HAUNCHED	0.9	0.9	600	97.440	600	97.390	99.511	2.121	EDCM 601 AND 607	
				300	97.690						
EA08	SIDE ENTRY PIT GRATED	0.6	0.9			300	97.774	99.515	1.741	EDCM 601 AND 605	
EA09	SIDE ENTRY PIT GRATED HAUNCHED	0.9	0.9	600	97.587	600	97.537	99.672	2.135	EDCM 601 AND 607	
EA10	SIDE ENTRY PIT GRATED HAUNCHED	1.2	0.9	525	97.695	600	97.645	99.775	2.130	EDCM 601 AND 607	
EA11	SIDE ENTRY PIT GRATED HAUNCHED	0.9	1.2	525	97.924	525	97.874	99.958	2.084	EDCM 601 AND 607	
				300	98.099						
				300	98.099						
EA12	SIDE ENTRY PIT GRATED HAUNCHED	0.6	1.2	525	98.039	525	97.989	100.250	2.261	EDCM 601 AND 607	
EA13	GRATED PIT HAUNCHED	0.9	1.2	525	98.191	525	98.141	100.382	2.240	EDCM 607	
EA04A	SIDE ENTRY PIT GRATED	0.6	0.9			300	97.243	98.838	1.595	EDCM 601 AND 605	
EB01	JUNCTION PIT	0.6	0.6	300	97.793	300	97.743	99.455	1.711	EDCM 605	
EB02	JUNCTION PIT	0.6	0.6	300	98.852	300	98.802	100.088	1.286	EDCM 605	
EB03	JUNCTION PIT	0.6	0.6	225	99.480	300	99.430	100.699	1.269	EDCM 605	
EB04	JUNCTION PIT	0.6	0.6	225	99.639	225	99.589	101.001	1.412	EDCM 605	
				225	99.639						
EB05	JUNCTION PIT	0.6	0.6			225	100.040	101.251	1.211	EDCM 605	
EB06	JUNCTION PIT	0.6	0.6			225	99.774	100.600	0.826	EDCM 605	
EC03	DOUBLE SIDE ENTRY PIT GRATED	0.6	0.9			300	98.268	100.202	1.934	EDCM 602 AND 605	
FA03	GRATED PIT	0.9	0.9	375	97.017	375	96.967	98.237	1.271	IDM SD 455	CLASS D HEAVY DUTY V GRATE
FA04	GRATED PIT	0.9	0.9	375	97.277	375	97.227	98.458	1.231	IDM SD 455	CLASS D HEAVY DUTY V GRATE
FA05	GRATED PIT	0.6	0.9	300	97.597	375	97.522	98.715	1.193	IDM SD 455	CLASS D HEAVY DUTY V GRATE
FA06	GRATED PIT	0.6	0.9	300	97.850	300	97.800	98.929	1.129	IDM SD 455	CLASS D HEAVY DUTY V GRATE
FA07	GRATED PIT	0.6	0.6			300	98.037	99.125	1.088	IDM SD 455	CLASS D HEAVY DUTY V GRATE
FB01	GRATED PIT	0.6	0.9	300	97.683	300	97.283	99.098	1.816	IDM SD 455	CLASS D HEAVY DUTY V GRATE
FB02	GRATED PIT	0.6	0.9	300	98.037	300	97.987	99.412	1.425	IDM SD 455	CLASS D HEAVY DUTY V GRATE
FB03	JUNCTION PIT	0.6	0.6			300	98.568	99.850	1.283	EDCM 605	
MC05	SIDE ENTRY PIT GRATED	0.6	0.9	300	98.231	300	98.181	99.599	1.418	EDCM 601 AND 605	
MC06	SIDE ENTRY PIT GRATED	0.6	0.9			300	98.313	99.602	1.289	EDCM 601 AND 605	

NOTE:

1. ALL HAUNCHED PIT RISERS TO BE HAUNCHED TO 0.6m x 0.9m COVER AS PER EDCM STANDARD.

Issue	Description	DR	CH	VE	Date
04	DESIGN CO-ORDINATION AMENDMENTS	CM	CS	IOC	18.07.23
03	RESPONSE TO COUNCIL RFI	CM	CS	SE	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

Planner

RobertsDay planning·design·place

Client

RESIMAX GROUP

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

STORMWATER DRAINAGE
PIT SCHEDULE

ARCADIS
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Level 18, Queen & Collins Tower
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ABN 76 104 485 289
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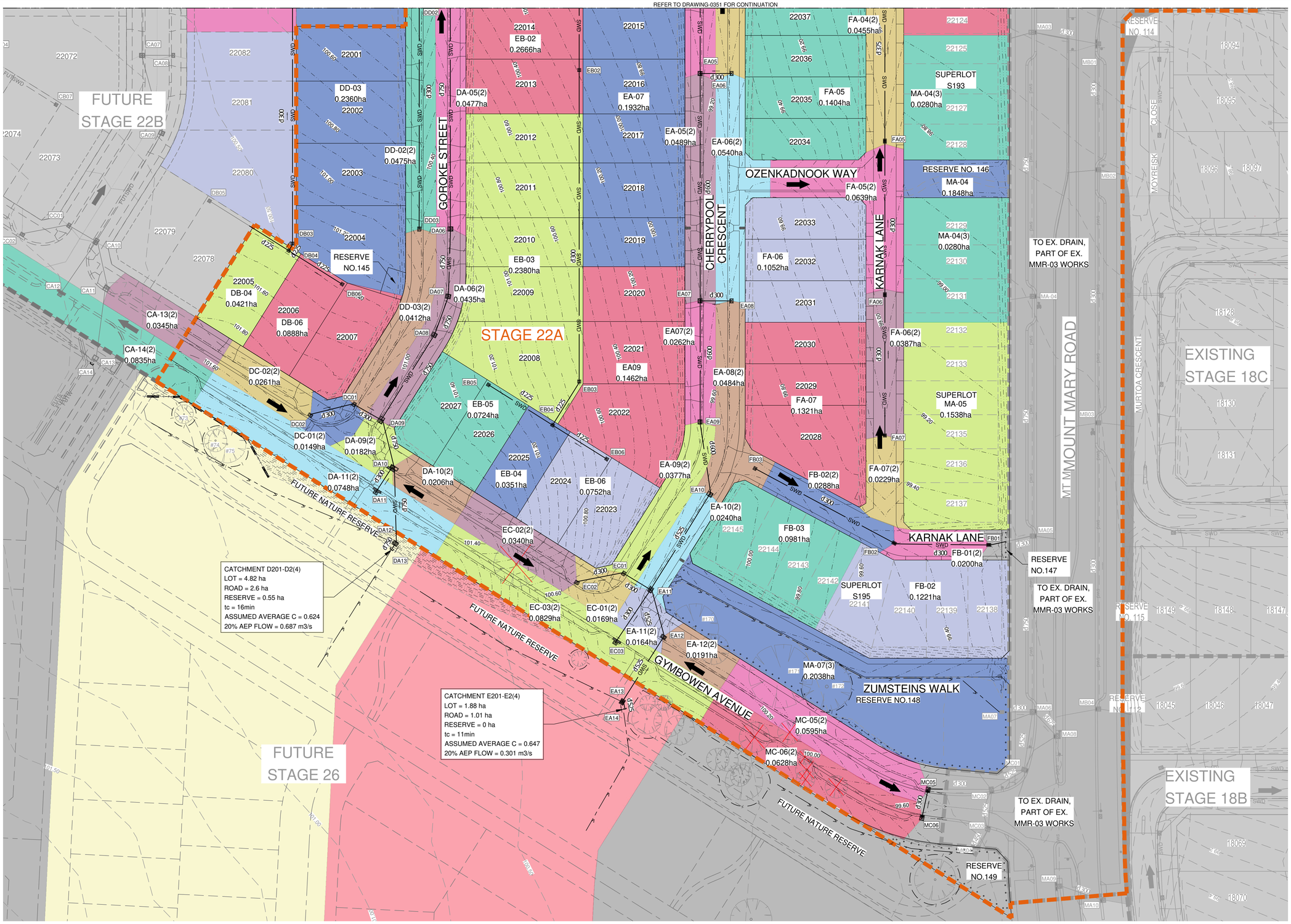
www.arcadis.com

Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0320	04

100mm on Original

Date Plotted: 17 Jul 2023 - 02:23pm File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0320-SWDPitSchedule.dwg V1

REFER TO DRAWING-0351 FOR CONTINUATION



LEGEND

5.0	EXISTING SURFACE CONTOURS
5.0	PROPOSED SURFACE CONTOURS
SWD	PROPOSED STORMWATER DRAINAGE
A-20	PROPOSED PIT LABEL
SWD	EXISTING STORMWATER DRAINAGE
FUTSWD	FUTURE STORMWATER DRAINAGE
	PROPOSED CATCHMENT BOUNDARY
	PROPOSED RIDGE LINE
A-20(2) 0.0519ha	CATCHMENT LABEL AND AREA

NOTE:

FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.

AVERAGE CATCHMENT COEFFICIENTS OF RUNOFF STAGE 22A & 22B - 20% AEP	
ROAD RESERVE	0.602
LOTS	0.751
OPEN SPACE RESERVE	0.304

Issue	Description	DR	CH	VE	Date
04	DESIGN CO-ORDINATION AMENDMENTS	CM	CS	IOC	18.07.23
03	RESPONSE TO COUNCIL RFI	CM	CS	SE	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

0 10 20 30 40 50m

1 : 500

Planner

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Client

RESIMAX GROUP

Status

FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

STORMWATER DRAINAGE 20% AEP
CATCHMENT PLAN
SHEET 1

ARCADIS
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376-390 Collins Street
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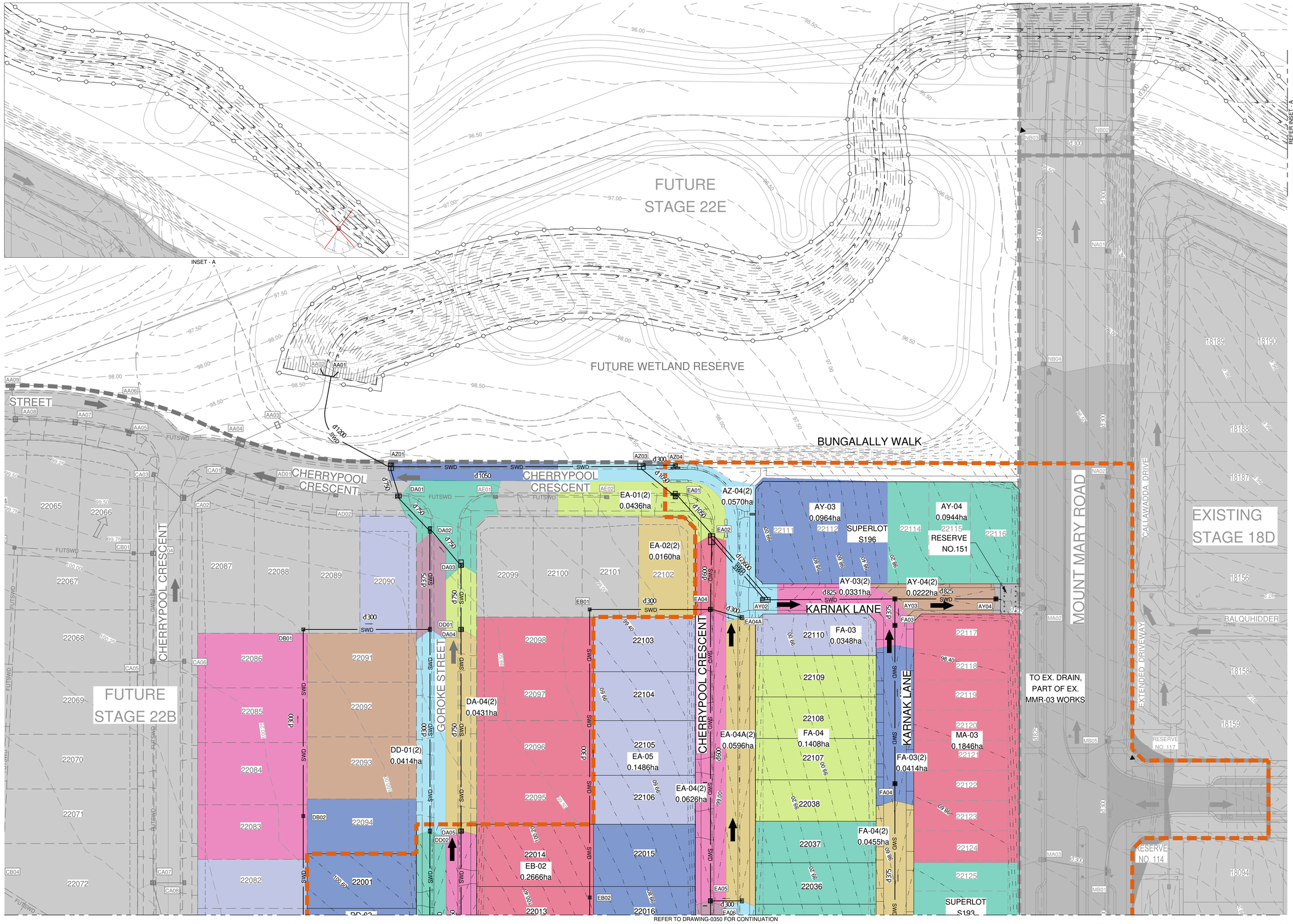
Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0350	04

100mm on Original

Date Plotted: 18 Jul 2023 - 10:18am File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0350-Q5Catchment.dwg V1



LEGEND

5.0	EXISTING SURFACE CONTOURS
5.0	PROPOSED SURFACE CONTOURS
SWD	PROPOSED STORMWATER DRAINAGE
A-20	PROPOSED PIT LABEL
SWD	EXISTING STORMWATER DRAINAGE
FUTSWD	FUTURE STORMWATER DRAINAGE
	PROPOSED CATCHMENT BOUNDARY
	PROPOSED RIDGE LINE
A-20(2) 0.0519ha	CATCHMENT LABEL AND AREA

NOTE:

FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.

AVERAGE CATCHMENT COEFFICIENTS OF RUNOFF STAGE 22A & 22B - 20% AEP	
ROAD RESERVE	0.602
LOTS	0.751
OPEN SPACE RESERVE	0.304

Issue	Description	DR	CH	VE	Date
03	RESPONSE TO COUNCIL RFI	CM	CS	IOC	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

100mm on Original

Scales

0 10 20 30 40 50m

1 : 500

Planner

RobertsDay planning·design·place

Client

RESIMAX GROUP

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

STORMWATER DRAINAGE 20% AEP
CATCHMENT PLAN
SHEET 2

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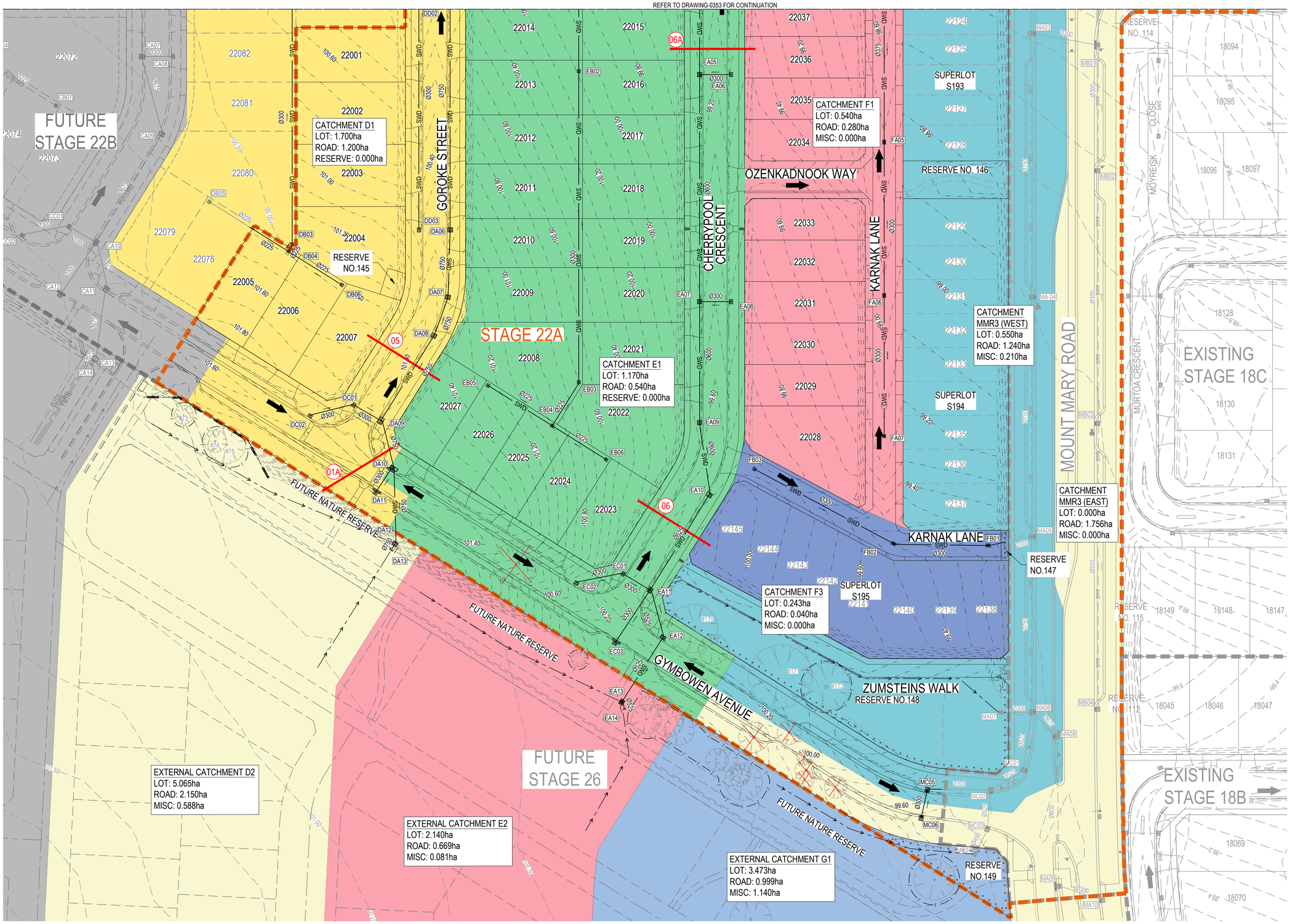
Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0351	03

REFER TO DRAWING-0353 FOR CONTINUATION



LEGEND

- STAGE BOUNDARY
- EXISTING SURFACE CONTOURS
- PROPOSED SURFACE CONTOURS
- PROPOSED STORMWATER DRAINAGE
- PROPOSED PIT LABEL
- EXISTING STORMWATER DRAINAGE
- FUTURE STORMWATER DRAINAGE
- PROPOSED CATCHMENT BOUNDARY
- PROPOSED RIDGE LINE
- CATCHMENT 1 / LOT: 1.0 ha / RR: 1.0 ha / MISC: 0.0 ha — CATCHMENT LABEL AND AREA
- STORMWATER NODES

NOTE:

1. FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.
2. UPSTREAM CATCHMENT CALCULATION OUTSIDE OF STAGE 22 ARE ASSUMED BASED ON CURRENT CONCEPT MASTER PLAN.

AVERAGE CATCHMENT COEFFICIENTS OF RUNOFF STAGE 22A & 22B - 1% AEP

ROAD RESERVE	0.602
LOTS	0.751
OPEN SPACE RESERVES	0.304

Issue	Description	DR	CH	VE	Date
04	DESIGN CO-ORDINATION AMENDMENTS	CM	CS	IOC	18.07.23
03	RESPONSE TO COUNCIL RFI	CM	CS	SE	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

0 10 20 30 40 50m

1 : 500

Planner

RobertsDay planning·design·place

Client

RESIMAX GROUP

Status

FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

STORMWATER DRAINAGE 1% AEP
CATCHMENT PLAN
SHEET 1

ARCADIS
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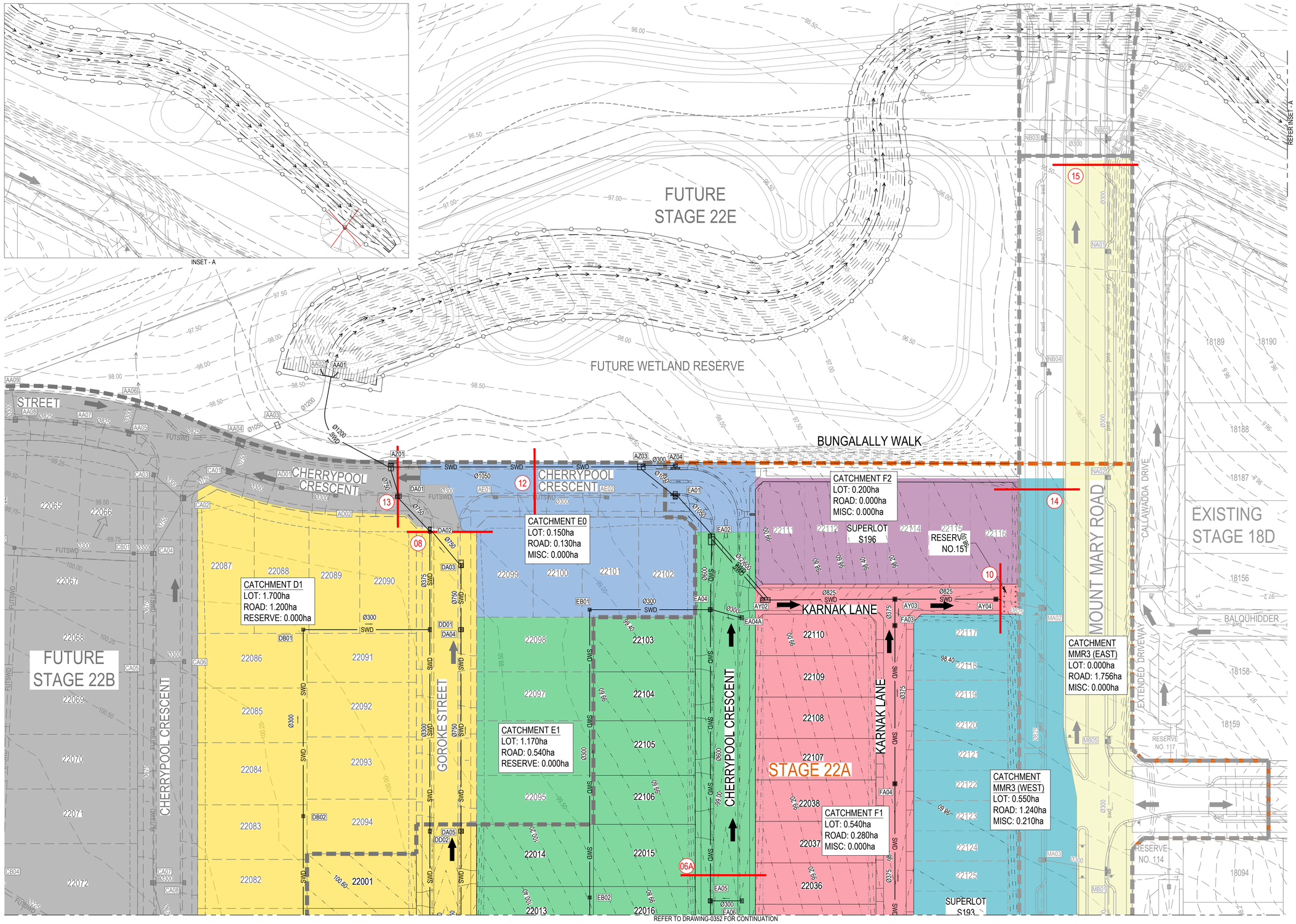
Level 18, Queen & Collins Tower
376-390 Collins Street
Melbourne VIC 3000 Australia
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

Project No.	Originator	Zone	Stage	Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA	22	ADD	CV	DRG	0352	04

100mm on Original

Date Plotted: 18 Jul 2023 - 11:24am File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0352-Q100Catchment.dwg V1



LEGEND

- STAGE BOUNDARY
- EXISTING SURFACE CONTOURS
- PROPOSED SURFACE CONTOURS
- PROPOSED STORMWATER DRAINAGE
- PROPOSED PIT LABEL
- EXISTING STORMWATER DRAINAGE
- FUTURE STORMWATER DRAINAGE
- PROPOSED CATCHMENT BOUNDARY
- PROPOSED RIDGE LINE
- CATCHMENT 1 / LOT: 1.0 ha / RR: 1.0 ha / MISC: 0.0 ha — CATCHMENT LABEL AND AREA
- STORMWATER NODES

NOTE:

1. FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.
2. UPSTREAM CATCHMENT CALCULATION OUTSIDE OF STAGE 22 ARE ASSUMED BASED ON CURRENT CONCEPT MASTER PLAN.

AVERAGE CATCHMENT COEFFICIENTS OF RUNOFF STAGE 22A & 22B - 1% AEP	
ROAD RESERVE	0.602
LOTS	0.751
OPEN SPACE RESERVES	0.304

Issue	Description	DR	CH	VE	Date
03	RESPONSE TO COUNCIL RFI	CM	CS	IOC	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales: 1 : 500 (0 10 20 30 40 50m)

Planner: RobertsDay planning·design·place

Client: RESIMAX GROUP

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project: EYNESBURY TOWNSHIP STAGE 22A CITY OF MELTON

Title: STORMWATER DRAINAGE 1% AEP CATCHMENT PLAN SHEET 2

ARCADIS
Arcadis Australia Pacific Pty Limited
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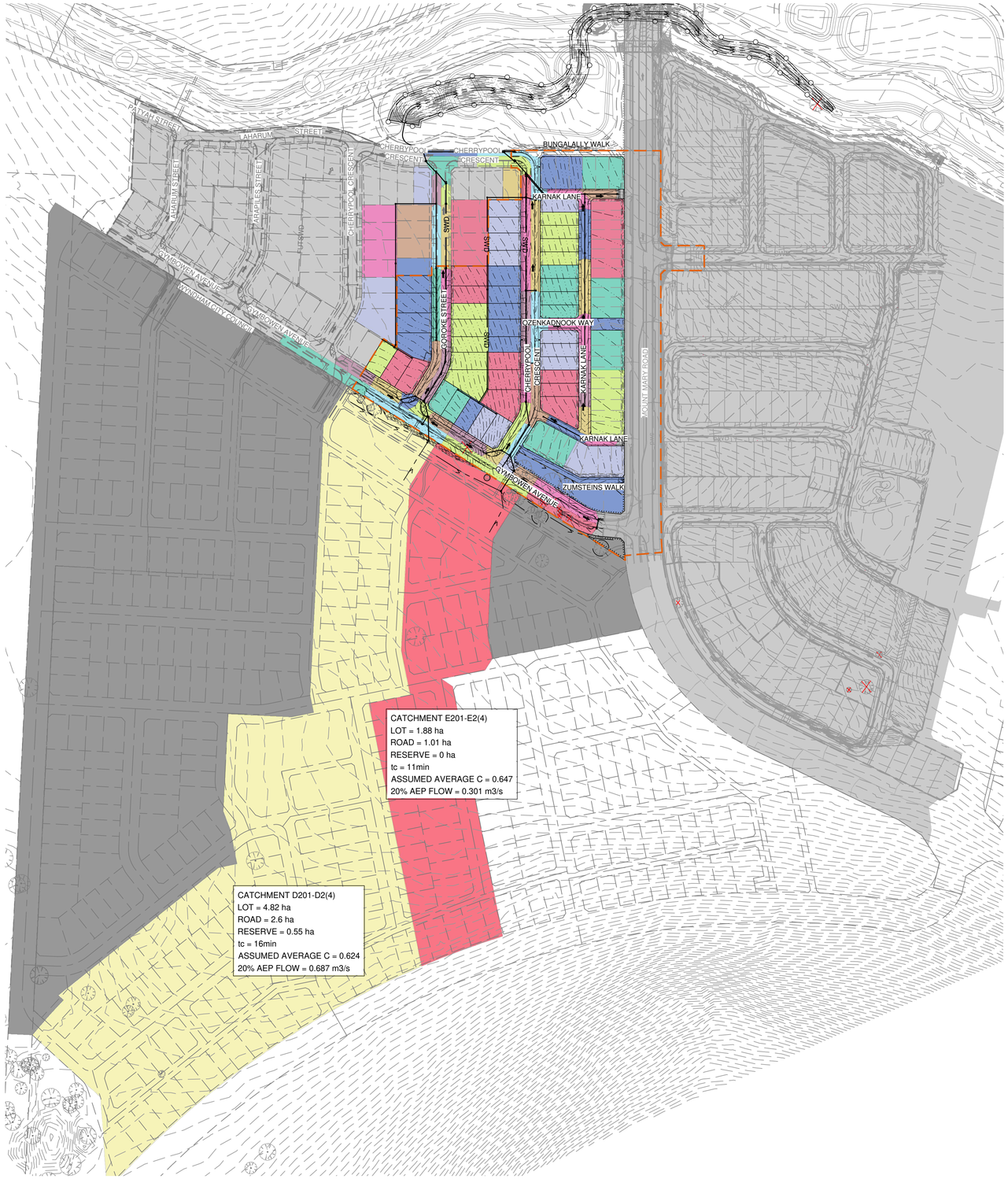
Tel No: +61 3 8623 4000
www.arcadis.com

Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0353	03

100mm on Original

Date Plotted: 18 Jul 2023 - 11:32am File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0352-Q100Catchment.dwg V1



LEGEND

5.0	EXISTING SURFACE CONTOURS
5.0	PROPOSED SURFACE CONTOURS
SWD	PROPOSED STORMWATER DRAINAGE
A-20	PROPOSED PIT LABEL
SWD	EXISTING STORMWATER DRAINAGE
FUTSWD	FUTURE STORMWATER DRAINAGE
	PROPOSED CATCHMENT BOUNDARY
	PROPOSED RIDGE LINE
A-20(2) 0.0519ha	CATCHMENT LABEL AND AREA

NOTE:

FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.

AVERAGE CATCHMENT COEFFICIENTS OF RUNOFF STAGE 22A & 22B - 20% AEP	
ROAD RESERVE	0.602
LOTS	0.751
OPEN SPACE RESERVE	0.304

Issue	Description	DR	CH	VE	Date
02	DESIGN CO-ORDINATION AMENDMENTS	CM	CS	IOC	18.07.23
01	RESPONSE TO COUNCIL RFI	CM	CS	SE	12.07.23

Scales

N

0 500 1000 1500 2000m

1 : 20000

Planner

RobertsDay planning·design·place

Client

RESIMAX GROUP

Status

FOR APPROVAL

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP

STAGE 22A

CITY OF MELTON

Title

STORMWATER DRAINAGE 20% AEP

OVERALL CATCHMENT PLAN

ARCADIS

Arcadis Australia Pacific Pty Limited
Level 18, Queen & Collins Tower
376-390 Collins Street
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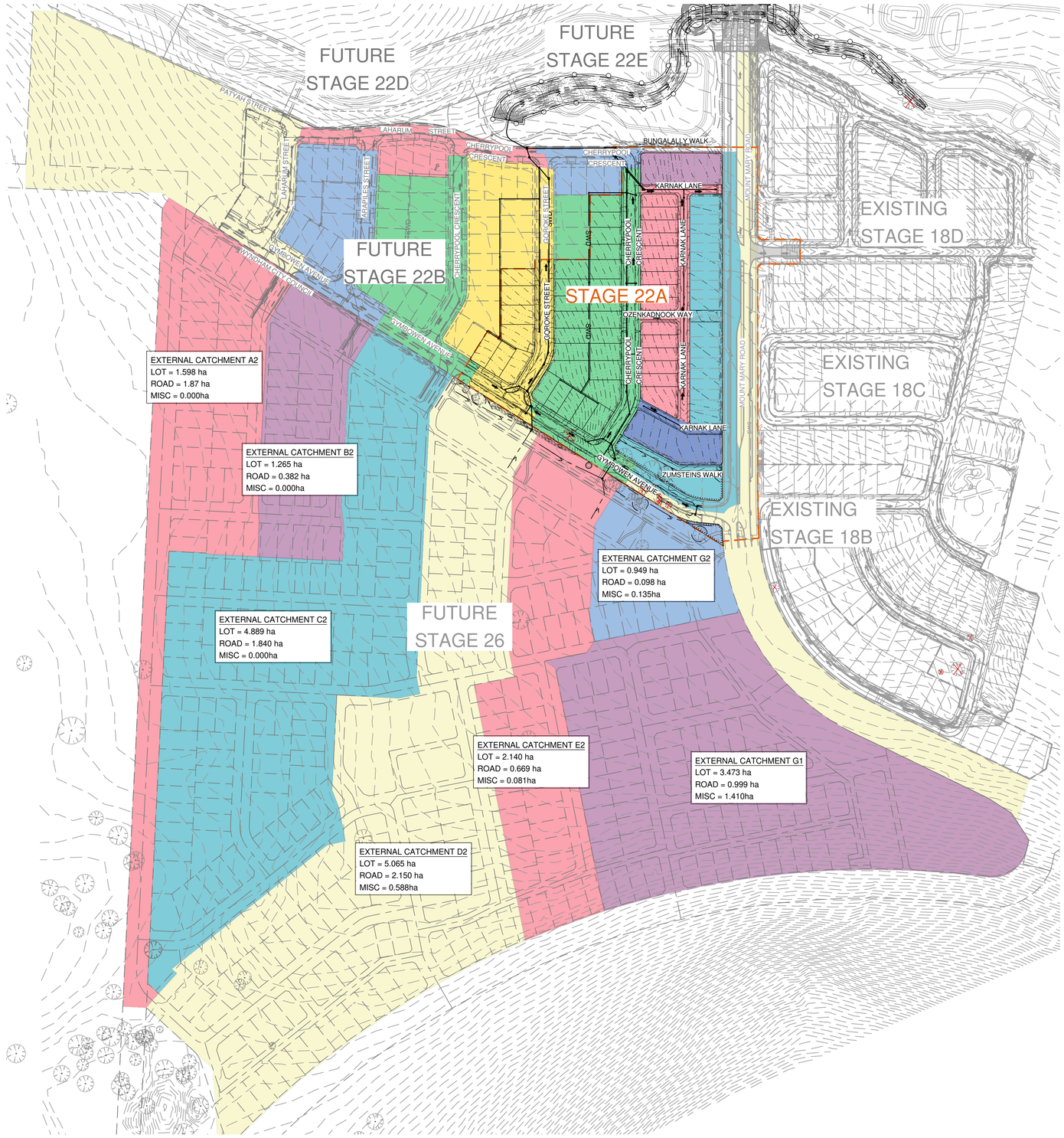
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0354	02

100mm on Original

Date Plotted: 27 Jul 2023 - 04:51pm File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0354-Q5Overall_Catchment.dwg V1



LEGEND

	STAGE BOUNDARY
5.0	EXISTING SURFACE CONTOURS
5.0	PROPOSED SURFACE CONTOURS
SWD	PROPOSED STORMWATER DRAINAGE
A-20	PROPOSED PIT LABEL
SWD	EXISTING STORMWATER DRAINAGE
FUTSWD	FUTURE STORMWATER DRAINAGE
	PROPOSED CATCHMENT BOUNDARY
	PROPOSED RIDGE LINE
CATCHMENT 1 LOT: 1.0 ha RR: 1.0 ha MISC: 0.0 ha	CATCHMENT LABEL AND AREA
10	STORMWATER NODES

NOTE:

1. FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.
2. UPSTREAM CATCHMENT CALCULATION OUTSIDE OF STAGE 22 ARE ASSUMED BASED ON CURRENT CONCEPT MASTER PLAN.

AVERAGE CATCHMENT COEFFICIENTS OF RUNOFF STAGE 22A & 22B - 1% AEP	
ROAD RESERVE	0.602
LOTS	0.751
OPEN SPACE RESERVES	0.304

Issue	Description	DR	CH	VE	Date
02	DESIGN CO-ORDINATION AMENDMENTS	CM	CS	IOC	18.07.23
01	RESPONSE TO COUNCIL RFI	CM	CS	SE	12.07.23

Scales

N

0 50 100 150 200m

1 : 2000

Planner

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Client

RESIMAX GROUP

Status

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

STORMWATER DRAINAGE 1% AEP
OVERALL CATCHMENT PLAN

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Melbourne VIC 3000 Australia
ABN 76 104 485 289
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www.arcadis.com

Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0356	02

100mm on Original

Date Plotted: 27 Jul 2023 - 04:46pm File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0356-Q100Overall_Catchment.dwg V1

20% AEP HYDROLOGICAL DESIGN SHEET

Node Name	Pit Type	Setout RL	Grate RL	Catch ID	Time Tc	Intensity I	Runoff C	Area A	Full CA	Full Sum CA	Full Qc=CIA	Partial CA	Partial Sum CA	Partial Qc=CIA	Approach Flow Qa
(-)	(-)	(m)	(m)	(-)	(min)	(mm/hr)	(-)	(ha)	(ha)	(ha)	(L/s)	(ha)	(ha)	(L/s)	(L/s)
AY02	VIC GAA JP HAUNCHED	98.92	98.92												0
AY03	VIC SURFACE GP 900x900	98.12	98.12	1P	5	76.8	0.75	0.0964	0.0724	0.0923	18.5	0.0724	0.089	19	19
				2P	6	72.3	0.6	0.0331	0.02			0.0166			
AY04	VIC SURFACE GP 900x900	97.93	97.93	1P	5	76.8	0.75	0.0944	0.0709	0.0843	16.9	0.0709	0.0821	17.5	17.5
				2P	6	72.3	0.6	0.0222	0.0134			0.0111			
AA01	HW OUT	95.8	95.8												
AZ01	VIC GAA SEP G HAUNCHED	98.5	98.39	2P	6	72.3	0.6	0.0225	0.0136	0.0136	2.7	0.0136	0.0136	2.7	2.7
AZ03	VIC GAA JP HAUNCHED	98.64	98.53												0
AZ04	VIC GAA DSEP G 600x900	98.65	98.5	2P	6	72.3	0.6	0.057	0.0343	0.0343	6.9	0.0343	0.0343	6.9	6.9
DA01	VIC GAA SEP G HAUNCHED	98.52	98.4	1P	5	76.8	0.75	0.0468	0.0352	0.0596	12	0.0352	0.0555	11.8	12
				2P	6	72.3	0.6	0.0406	0.0245			0.0204			
DA02	VIC GAA SEP G HAUNCHED	98.74	98.62	2P	6	72.3	0.6	0.0198	0.0119	0.0119	2.4	0.0119	0.0119	2.4	2.4
DA03	VIC GAA SEP G HAUNCHED	98.96	98.84	2P	6	72.3	0.6	0.0133	0.008	0.008	1.6	0.008	0.008	1.6	1.6
DA04	VIC GAA SEP G HAUNCHED	99.37	99.26	2P	6	72.3	0.6	0.0431	0.026	0.026	5.2	0.026	0.026	5.2	5.2
DA05	VIC GAA SEP G HAUNCHED	99.99	99.88	2P	6	72.3	0.6	0.0477	0.0287	0.0287	5.8	0.0287	0.0287	5.8	5.8
DA06	VIC GAA SEP G HAUNCHED	100.65	100.54	2P	6	72.3	0.6	0.0435	0.0262	0.0262	5.3	0.0262	0.0262	5.3	5.3
DA07	VIC GAA JP HAUNCHED	100.84	100.72												
DA08	VIC GAA JP HAUNCHED	100.95	100.83												0
DA09	VIC GAA SEP G HAUNCHED	101.24	101.12	2P	6	72.3	0.6	0.0182	0.0109	0.0109	2.2	0.0109	0.0109	2.2	2.2
DA10	VIC GAA DSEP G HAUNCHED	101.39	101.27	2P	6	72.3	0.6	0.0206	0.0124	0.0124	2.5	0.0124	0.0124	2.5	2.5
DA12	VIC SURFACE GP HAUNCHED	100.96	100.6												0
DA13	Stub Connection	100.62	100.62												0
DA11	VIC GAA DSEP G 600x900	101.39	101.27	2P	6	72.3	0.6	0.0748	0.045	0.045	9	0.045	0.045	9	9
DB01	VIC GAA JP 600x600	99.92	99.8												0
DB02	VIC GAA JP 600x600	100.5	100.23	1P	5	76.8	0.75	0.174	0.1307	0.1307	27.9	0.1307	0.1307	27.9	27.9
DB03	VIC GAA JP 600x600	101.35	100.87	1P	5	76.8	0.75	0.1485	0.1115	0.1115	23.8	0.1115	0.1115	23.8	23.8
DB04	VIC GAA JP 600x600	101.38	100.92	1P	5	76.8	0.75	0.0421	0.0316	0.0316	6.7	0.0316	0.0316	6.7	6.7
DB05	VIC GAA JP 600x600	101.38	101.03	1P	5	76.8	0.75	0.0851	0.0639	0.0639	13.6	0.0639	0.0639	13.6	13.6
DB06	VIC GAA JP 600x600	101.38	100.83	1P	5	76.8	0.75	0.0888	0.0667	0.0667	14.2	0.0667	0.0667	14.2	14.2
DC01	VIC GAA SEP G 600x900	101.26	101.12	2P	6	72.3	0.6	0.0149	0.009	0.009	1.8	0.009	0.009	1.8	1.8
DC02	VIC GAA SEP G 600x900	101.53	101.41	2P	6	72.3	0.6	0.0261	0.0157	0.0157	3.2	0.0157	0.0157	3.2	3.2
DD01	VIC GAA SEP G 600x900	99.38	99.26	2P	6	72.3	0.6	0.0414	0.0249	0.0249	5	0.0249	0.0249	5	5
DD02	VIC GAA SEP G 600x900	100	99.88	1P	5	76.8	0.75	0.1276	0.0958	0.1244	25	0.0958	0.1197	25.5	25.5
				2P	6	72.3	0.6	0.0475	0.0286			0.0238			
DD03	VIC GAA SEP G 600x900	100.66	100.54	1P	5	76.8	0.75	0.236	0.1772	0.2021	40.6	0.1772	0.1979	42.2	42.2
				2P	6	72.3	0.6	0.0412	0.0248			0.0207			
EA01	VIC GAA DSEP G HAUNCHED	98.46	98.5	1P	5	76.8	0.75	0.0401	0.0301	0.0564	11.3	0.0301	0.052	11.1	11.3
				2P	6	72.3	0.6	0.0436	0.0263			0.0219			
EA02	VIC GAA SEP G HAUNCHED	98.72	98.61	2P	6	72.3	0.6	0.016	0.0096	0.0096	1.9	0.0096	0.0096	1.9	1.9
EA04	VIC GAA SEP G HAUNCHED	98.82	98.71	2P	6	72.3	0.6	0.0626	0.0377	0.0377	7.6	0.0377	0.0377	7.6	7.6
EA05	VIC GAA SEP G HAUNCHED	99.21	99.09	1P	5	76.8	0.75	0.1486	0.1116	0.141	28.3	0.1116	0.1361	29	29
				2P	6	72.3	0.6	0.0489	0.0294			0.0245			
EA07	VIC GAA SEP G HAUNCHED	99.51	99.39	1P	5	76.8	0.75	0.1932	0.1451	0.1609	32.3	0.1451	0.1583	33.8	33.8
				2P	6	72.3	0.6	0.0262	0.0158			0.0132			
EA09	VIC GAA SEP G HAUNCHED	99.67	99.55	1P	5	76.8	0.75	0.1462	0.1098	0.1325	26.6	0.1098	0.1287	27.5	27.5
				2P	6	72.3	0.6	0.0377	0.0227			0.0189			
EA10	VIC GAA SEP G HAUNCHED	99.78	99.66	2P	6	72.3	0.6	0.024	0.0144	0.0144	2.9	0.0144	0.0144	2.9	2.9
EA11	VIC GAA SEP G HAUNCHED	99.96	99.84	2P	6	72.3	0.6	0.0164	0.0099	0.0099	2	0.0099	0.0099	2	2
EA12	VIC GAA SEP G HAUNCHED	100.25	100.13	2P	6	72.3	0.6	0.0191	0.0115	0.0115	2.3	0.0115	0.0115	2.3	2.3
EA13	VIC SURFACE GP HAUNCHED	100.38	100.38												0
EA14	Stub Connection	100.39	100.39												0
EA04A	VIC GAA SEP G 600x900	98.84	98.72	2P	6	72.3	0.6	0.0596	0.0359	0.0359	7.2	0.0359	0.0359	7.2	7.2
EA08	VIC GAA SEP G 600x900	99.51	99.39	2P	6	72.3	0.6	0.0484	0.0291	0.0291	5.9	0.0291	0.0291	5.9	5.9
EA06	VIC GAA SEP G 600x900	99.21	99.09	2P	6	72.3	0.6	0.054	0.0325	0.0325	6.5	0.0325	0.0325	6.5	6.5
EB01	VIC GAA JP 600x600	99.45	99.45												0
EB02	VIC GAA JP 600x600	100.09	99.92	1P	5	76.8	0.75	0.2666	0.2002	0.2002	42.7	0.2002	0.2002	42.7	42.7
EB03	VIC GAA JP 600x600	100.7	100.39	1P	5	76.8	0.75	0.238	0.1788	0.1788	38.1	0.1788	0.1788	38.1	38.1
EB04	VIC GAA JP 600x600	101	100.59	1P	5	76.8	0.75	0.0351	0.0264	0.0264	5.6	0.0264	0.0264	5.6	5.6
EB05	VIC GAA JP 600x600	101.25	100.65	1P	5	76.8	0.75	0.0724	0.0544	0.0544	11.6	0.0544	0.0544	11.6	11.6
EB06	VIC GAA JP 600x600	100.6	100.41	1P	5	76.8	0.75	0.0752	0.0564	0.0564	12	0.0564	0.0564	12	12
EC01	VIC GAA SEP G 600x900	99.98	99.84	2P	6	72.3	0.6	0.0169	0.0102	0.0102	2	0.0102	0.0102	2	2
EC02	VIC GAA SEP G 600x900	100.53	100.41	2P	6	72.3	0.6	0.034	0.0205	0.0205	4.1	0.0205	0.0205	4.1	4.1
EC03	VIC GAA DSEP G 600x900	100.2	100.08	2P	6	72.3	0.6	0.0829	0.0499	0.0499	10	0.0499	0.0499	10	10
FA03	VIC SURFACE GP 900x900	98.24	98.24	1P	5	76.8	0.75	0.0348	0.0261	0.051	10.3	0.0261	0.0469	10	10.3
				2P	6	72.3	0.6	0.0414	0.0249			0.0208			
FA04	VIC SURFACE GP 900x900	98.46	98.46	1P	5	76.8	0.75	0.1408	0.1057	0.1331	26.7	0.1057	0.1286	27.4	27.4
				2P	6	72.3	0.6	0.0455	0.0274			0.0228			
FA05	VIC SURFACE GP 600x900	98.72	98.72	1P	5	76.8	0.75	0.1404	0.1054	0.1439	28.9	0.1054	0.1375	29.3	29.3
				2P	6	72.3	0.6	0.0639	0.0385			0.0321			
FA06	VIC SURFACE GP 600x900	98.93	98.93	1P	5	76.8	0.75	0.1052	0.079	0.1023	20.6	0.079	0.0984	21	21
				2P	6	72.3	0.6	0.0387	0.0233			0.0194			
FA07	VIC SURFACE GP 600x600	99.12	99.12	1P	5	76.8	0.75	0.1321	0.0992	0.113	22.7	0.0992	0.1107	23.6	23.6
				2P	6	72.3	0.6	0.0229	0.0138			0.0115			
FB01	VIC SURFACE GP 600x900	99.1	99.1	2P	6	72.3	0.6	0.02	0.012	0.012	2.4	0.012	0.012	2.4	2.4
FB02	VIC SURFACE GP 600x900	99.41	99.41	1P	5	76.8	0.75	0.1221	0.0917	0.109	21.9	0.0917	0.1061	22.6	22.6
				2P	6	72.3	0.6	0.0288	0.0174			0.0145			
FB03	VIC GAA JP 600x600	99.85	99.85	1P	5	76.8	0.75	0.0981	0.0737	0.0737	15.7	0.0737	0.0737	15.7	15.7
MA05	VIC GAA SEP G HAUNCHED	98.68	98.56	1P	5	76.8	0.75	0.1538	0.1155	0.1517	30.5	0.1155	0.1456	31.1	31.1
				2P	6	72.3	0.6	0.0601	0.0362			0.0301			
MA06	VIC GAA SEP G HAUNCHED	99	98.87	2P	6	72.3	0.6	0.0124	0.0075	0.0075	1.5	0.0075	0.0075	1.5	1.5

Issue	Description	DR	CH	VE	Date
04	DESIGN CO-ORDINATION AMENDMENTS	CM	CS	IOC	18.07.23
03	RESPONSE TO COUNCIL RFI	CM	CS	SE	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

Planner

RobertsDay planning·design·place

Client

RESIMAX GROUP

Status

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

STORMWATER DRAINAGE
CALCULATION TABLES
SHEET 1

ARCADIS
Arcadis Australia Pacific Pty Limited
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Tel No: +61 3 8623 4000
www.arcadis.com

Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0360	04

100mm on Original

Date Plotted: 17 Jul 2023 - 03:17pm File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0360-SwdCalcsTable.dwg V1

20% AEP HYDRAULICS DESIGN SHEET

Pipe ID	Pipe Type	Pipe Length	Pipe Size	Full Pipe Area Af	Pipe Grade	Pipe Grade	Full-area Tct	Full-area I	Full-area Sum CA	Full-area Qc=CIA	Part-area Tct	Part-area I	Part-area Sum CA	Part-area Qc=CIA	Pipe Flow, Q	Capacity Flow Cap	Q/Qcap Ratio	Full Pipe Vel Vf=Q/Af	Norm Depth Vel Vn=Q/An	Critical Depth Vel Vc=Q/Ac	Capacity Vel Vcap=Qcap/Af	US Node Grate RL	Pipe US IL	Pipe DS IL	DS Node Grate RL	Cover Min	Pipe DS Bend	Pipe DS Drop	US Node Ku	US Node Kw	Pipe V'head	P'head Loss (Ku.V'head)	WSE Loss (Kw.V'head)	Pipe T'head Loss	US Node HGL	Pipe US HGL	Pipe DS HGL	DS Node HGL	HGL Grade	HGL Grade	F'board US
(-)	(-)	(m)	(mm)	(sq.m)	(%)	(1 in)	(min)	(mm/hr)	(ha)	(L/s)	(min)	(mm/hr)	(ha)	(L/s)	(L/s)	(L/s)	(-)	(m/s)	(m/s)	(m/s)	(m/s)	(m)	(m)	(m)	(m)	(m)	(deg)	(m)	(-)	(-)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(%)	(1 in)	(m)
AY02 to EA02	CLASS 2	21.77	(2x)600	0.565	0.34	293.6	16.63	45.33	5.6957	717.1	12.13	53.42	4.8623	721.5	721.5	860.2	0.84	1.28	1.69	1.84	1.52	98.92	95.16	95.09	98.61	2.84	0.8	0.05	1.67	1.78	0.08	0.14	0.15	0.05	96.98	96.83	96.78	96.8	0.24	414.6	1.94
AY03 to AY02	CLASS 2	35.06	825	0.535	0.25	400	16.29	45.81	5.6957	724.8	11.73	54.31	4.8494	731.6	731.6	846.7	0.86	1.37	1.77	2.08	1.58	98.12	95.3	95.21	98.92	1.95	-51.2	0.05	0.92	1.03	0.1	0.09	0.1	0.07	97.14	97.04	96.97	96.98	0.19	533	0.98
AY04 to AY03	CLASS 2	26.8	825	0.535	0.25	400	16.04	46.19	5.0599	649.1	12.59	52.4	4.4348	645.5	649.1	846.7	0.77	1.21	1.73	1.99	1.58	97.93	95.42	95.35	98.12	1.64	0	0.05	0.96	1.07	0.08	0.07	0.08	0.04	97.25	97.16	97.13	97.14	0.15	673.9	0.69
AZ01 to AA01	CLASS 2	33.88	1200	1.131	0.25	400	18.25	42.95	15.4986	1849.3	17.69	43.77	15.3105	1861.3	1861.3	1957.7	0.95	1.65	1.96	2.5	1.73	98.39	94.68	94.6	95.8	-0.18	0		2.23	2.54	0.14	0.31	0.35	0.07	96.22	95.87	95.8	95.8	0.21	476.3	2.17
AZ03 to AZ01	CLASS 2	66.46	1050	0.866	0.25	400	17.07	44.68	8.9632	1112.5	14.53	48.59	8.504	1147.9	1147.9	1365.9	0.84	1.33	1.77	2.21	1.58	98.53	94.9	94.73	98.39	2.49	-28.3	0.05	1.98	2.31	0.09	0.18	0.21	0.12	96.5	96.3	96.18	96.22	0.18	566.4	2.02
AZ04 to AZ03	CLASS 2	9.09	300	0.071	0.94	106.1	6	72.3	0.0343	6.9	6	72.3	0.0343	6.9	6.9	94.3	0.07	0.1	0.78	0.65	1.33	98.5	97.37	97.29	98.53	0.95	0.2	2.384	7		0	0		0.08	97.44	97.43	97.34	96.5	1.02	98	1.06
DA01 to AZ01	CLASS 2	8.05	750	0.442	0.65	153.7	18.19	43.04	6.5219	779.7	8.03	64.6	3.082	553	779.7	898.4	0.87	1.76	2.29	2.26	2.03	98.4	96.5	96.45	98.39	1.06	44.6	1.766	1.82	2.19	0.16	0.29	0.35	0.05	97.4	97.05	96.99	96.22	0.74	134.4	1
DA02 to DA01	CLASS 2	12.5	750	0.442	0.61	163.5	18.1	43.18	6.3665	763.6	7.94	64.93	2.9266	527.8	763.6	870.9	0.88	1.73	2.22	2.23	1.97	98.62	96.63	96.55	98.4	1.17	-26.1	0.05	0.93	1.1	0.15	0.14	0.17	0.06	97.57	97.4	97.34	97.4	0.47	212.8	1.05
DA03 to DA02	CLASS 2	12.45	750	0.442	2.33	42.9	18.04	43.26	5.5988	672.8	7.88	65.13	2.1589	390.6	672.8	1701.1	0.4	1.52	3.62	2.11	3.85	98.84	96.97	96.68	98.62	1.04	3.4	0.05	2	2.34	0.12	0.24	0.28	0.05	97.76	97.48	97.54	97.57	-0.5	-201.4	1.08
DA04 to DA03	CLASS 2	17.48	750	0.442	2	50	17.96	43.39	5.5908	673.8	7.79	65.44	2.1509	391	673.8	1575.1	0.43	1.53	3.43	2.11	3.57	99.26	97.37	97.02	98.84	1.16	39.9	0.05	0.24		0.12	0.03		0.26	97.91	97.88	97.72	97.76	0.93	107.4	1.35
DA05 to DA04	CLASS 2	53.5	750	0.442	1	100	17.62	43.88	5.5648	678.3	7.46	66.65	2.1249	393.4	678.3	1113.7	0.61	1.54	2.64	2.12	2.52	99.88	97.95	97.42	99.26	1.16	0	0.05	0.24		0.12	0.03		0.53	98.49	98.47	97.91	97.91	1.04	95.8	1.39
DA06 to DA05	CLASS 2	59.7	750	0.442	0.5	200	17.12	44.6	5.5361	685.9	6.96	68.45	2.0962	398.6	685.9	787.5	0.87	1.55	2.01	2.13	1.78	100.54	98.3	98	99.88	1.19	0	0.05	0.35	0.38	0.12	0.04	0.05	0.3	98.89	98.84	98.52	98.49	0.55	182.7	1.64
DA07 to DA06	CLASS 2	17.85	750	0.442	0.62	162.4	16.99	44.8	5.5099	685.7	6.83	69	2.07	396.7	685.7	873.9	0.78	1.55	2.19	2.13	1.98	100.72	98.46	98.35	100.54	1.5	1.7	0.05	1.45	1.75	0.12	0.18	0.21	0.11	99.19	98.98	98.89	98.89	0.49	202.7	1.53
DA08 to DA07	CLASS 2	10.87	750	0.442	0.5	200	16.9	44.93	5.5099	687.7	6.74	69.36	2.07	398.8	687.7	787.5	0.87	1.56	2.01	2.13	1.78	100.83	98.57	98.51	100.72	1.43	18.2	0.05	1.04	1.24	0.12	0.13	0.15	0.04	99.34	99.18	99.15	99.19	0.27	374.7	1.49
DA09 to DA08	CLASS 2	26.58	750	0.442	0.5	200	16.68	45.25	5.5099	692.6	6.52	70.24	2.07	403.9	692.6	787.5	0.88	1.57	2.01	2.14	1.78	101.12	98.75	98.62	100.83	1.53	12.2	0.05	2.1	2.42	0.13	0.26	0.3	0.09	99.69	99.38	99.31	99.34	0.27	367.3	1.43
DA10 to DA09	CLASS 2	13.32	750	0.442	0.5	200	16.57	45.41	5.4743	690.6	6.17	71.63	1.9537	388.8	690.6	787.5	0.88	1.56	2.01	2.13	1.78	101.27	98.87	98.8	101.12	1.65	-45.9	0.05	1.13	1.35	0.12	0.14	0.17	0.05	99.87	99.7	99.65	99.69	0.38	260.1	1.41
DA12 to DA10	CLASS 2	20.07	750	0.442	0.5	200	16.4	45.66	5.4169	687	16.4	45.66	5.4169	687	687	787.5	0.87	1.56	2.01	2.13	1.78	100.6	99.02	98.92	101.27	1.25	12.4	0.05	1.89	2.21	0.12	0.23	0.27	0.08	100.19	99.92	99.84	99.87	0.38	262.8	0.41
DA13 to DA12	CLASS 2	2	750	0.442	0.5	200	16.38	45.68	5.4169	687.4	16.38	45.68	5.4169	687.4	687.4	787.6	0.87	1.56	2.01	2.13	1.78	100.62	99.08	99.07	100.6	0.67	33.5	0.05	2		0.12	0.25		0.01	100.4	100.16	100.15	100.19	0.38	262.5	0.21
DA11 to DA10	CLASS 2	8.58	300	0.071	1	100	6	72.3	0.045	9	6	72.3	0.045	9	9	96.7	0.09	0.13	0.86	0.7	1.37	101.27	99.8	99.72	101.27	1.1	46.9	0.85	9.7		0	0.01		0.05	99.88	99.87	99.84	99.87	0.4	247.5	1.39
DB01 to DD01	CLASS 2	33.6	300	0.071	2.53	39.6	6.73	69.39	0.4044	77.9	6.58	69.97	0.4025	78.2	78.2	153.8	0.51	1.11	2.18	1.42	2.18	99.8	98.77	97.92	99.26	0.81	90	0.075	2.08	2.64	0.06	0.13	0.17	0.72	99.15	98.99	98.31	98.34	2.02	49.6	0.65
DB02 to DB01	CLASS 2	49.5	300	0.071	1	100	6.19	71.54	0.4044	80.4	6.04	72.12	0.4025	80.6	80.6	96.7	0.83	1.14	1.53	1.44	1.37	100.23	99.32	98.82	99.8	0.78	-90	0.05	1.55		0.07	0.1		0.46	99.64	99.54	99.12	99.15	0.84	118.4	0.59
DB03 to DB02	CLASS 2	67.56	300	0.071	1.25	80	5.46	74.72	0.2737	56.8	5.32	75.37	0.2718	56.9	56.9	108.2	0.53	0.81	1.55	1.24	1.53	100.87	100.21	99.37	100.23	0.74	0	0.05	1.94	2.19	0.03	0.06	0.07	0.8	100.47	100.4	99.64	99.64	1.12	89.4	0.4
DB04 to DB03	CLASS 2	2.15	225	0.04	1	100	5.43	74.85	0.1622	33.7	5.29	75.5	0.1603	33.6	33.7	44.9	0.75	0.85	1.24	1.16	1.13	100.92	100.31	100.28	100.87	0.82	32	0.075	2.18	2.66	0.04	0.08	0.1	0.02	100.56	100.46	100.46	100.47	0.04	2446.9	0.36
DB05 to DB04	CLASS 2	24.79	225	0.04	0.9	111.1	5	76.8	0.0639	13.6	5	76.8	0.0639	13.6	13.6	42.6	0.32	0.34	0.95	0.84	1.07	101.03	100.58	100.36	100.92	0.55	90.1	0.05	7		0.01	0.04		0.16	100.72	100.68	100.54	100.56	0.54	183.5	0.32
DB06 to DB04	CLASS 2	16.71	225	0.04	0.9	111.1	5	76.8	0.0667	14.2	5	76.8	0.0667	14.2	14.2	42.6	0.33	0.36	0.96	0.85	1.07	100.83	100.51	100.36	100.92	0.62	-89.9	0.05	7		0.01	0.05		0.09	100.65	100.6	100.54	100.56	0.39	258.9	0.18
DC01 to DA09	CLASS 2	8.28	300	0.071	1	100	6.32	71.01	0.0247	4.9	6	72.3	0.0238	4.8	4.9	96.7	0.05	0.07	0.71	0.59	1.37	101.12	99.63	99.55	101.12	1.12	87.8	0.8	1.88	2.48	0	0	0	0.05	99.69	99.69	99.65	99.69	0.45	220.8	1.44
DC02 to DC01	CLASS 2	12.13	300	0.071	1	100	6	72.3	0.0157	3.2	6	72.3	0.0157	3.2	3.2	96.7	0.03	0.04	0.63	0.53	1.37	101.41	99.8	99.68	101.12	1.26	-43.7	0.05	9.7		0	0		0.12	99.85	99.85	99.72	99.69	1.04	96.4	1.56
DD01 to DA02	CLASS 2	26.39	375	0.11	2.81	35.6	7.33	67.1	0.7558	140.9	6.52	70.21	0.7418	144.7	144.7	293.9	0.49	1.31	2.65	1.63	2.66	99.26	97.85	97.1	98.62	1.11	43.3	0.475	2.11	2.43	0.09	0.18	0.21	0.63	98.34	98.13	97.54	97.57	2.22	45	0.92
DD02 to DD01	CLASS 2	53.5	300	0.071	1.13	88.6	6.75	69.29	0.3265	62.8	5.75	73.41	0.3212	65.5	65.5	102.8	0.64	0.93	1.54	1.31	1.45	99.88	98.52	97.92	99.26	1.13	0	0.075	1.7		0.04	0.07		0.46	98.8	98.72	98.31	98.34	0.77	129.6	1.08
DD03 to DD02	CLASS 2	59.72	300	0.071	1	100	6	72.3	0.2021	40.6	5	76.8	0.1979	42.2	42.2	96.7	0.44	0.6	1.32	1.11	1.37	100.54	99.17	98.57	99.88	1.1	0	0.05	7		0.02	0.13		0.57	99.46	99.33	98.8	98.8	0.89	112.3	1.08
EA01 to AZ03	CLASS 2	12.08	1050	0.866	0.34	292.5	16.97	44.83	8.9289	1111.8	14.43	48.78	8.4697	1147.7	1147.7	1597.4	0.72	1.33	2.01	2.21	1.84	98.5	94.99	94.95	98.53	2.34	38.9	0.05	1.01	1.2	0.09	0.09	0.11	0.02	96.6	96.5	96.48	96.5	0.18	566.6	1.89
EA02 to EA01	CLASS 2	14.85	1050	0.866	0.32	317.3	16.84	45.01	8.8725	1109.4	14.3	49.03	8.4133	1145.7	1145.7	1533.8	0.75	1.32	1.94	2.21	1.77	98.61	95.04	94.99	98.5	2.34	11.6	0	1.87	2.13	0.09	0.17	0.19	0.03	96.8	96.61	96.59	96.6	0.18	568.5	1.81
EA04 to EA02	CLASS 2	19.26	600	0.283	0.55	181.8	14.13	49.36	3.1672	434.2	8.84	62.02	2.2223	382.8	434.2	455.6	0.95	1.54	1.83	1.99	1.61	98.71	96.77	96.66	98.61	1.41	40.5	1.625	1.61	1.95	0.12	0.19	0.23	0.11	97.47	97.24	97.1	96.8	0.73	137.4	1.23
EA05 to EA04	CLASS 2	77.3	600	0.283	0.4	250	13.3	50.93	2.5774	364.6	8.01	64.66	1.6325	293.2	364.6	388.5	0.94	1.29	1.56	1.85	1.37	99.09	97.13	96.82	98.71	1.36	-0.9	0.05	0.64	0.67	0.08	0.05	0.06	0.25	97.73	97.67	97.43	97.47	0.31	322.4	1.37
EA07 to EA05	CLASS 2	60.24	600	0.283	0.35	285.7	12.62	52.34	2.4039	349.5	7.33	67.12	1.459	272	349.5	363.4	0.96	1.24	1.46	1.81	1.29	99.39	97.39	97.18	99.09	1.39	0	0.05	0.71	0.74	0.08	0.06	0.06	0.18	97.95	97.89	97.72	97.73	0.28	361.7	1.45
EA09 to EA07	CLASS 2	32.08	600	0.283	0.3	333.3	12.22	53.21	2.2138	327.2	6.93	68.57	1.2689	241.7	327.2	336.5	0.97	1.16	1.36	1.77	1.19	99.55	97.54	97.44	99.39	1.43	0	0.05	1.03	1.19	0.07	0.07	0.08	0.09	98.11	98.03	97.95	97.95	0.27	377.3	1.44
EA10 to EA09	CLASS 2	19.43	600	0.283	0.3	333.3	11.98	53.74	2.0813	310.7	6.69	69.53	1.1364	219.5	310.7	336.5	0.92	1.1	1.35	1.73	1.19	99.66	97.64	97.59	99.55	1.29	-8.6	0.05	2.24	2.37	0.06	0.14	0.15	0.05	98.29	98.15	98.1	98.11	0.22	448.7	1.37
EA11 to EA10	CLASS 2	29.76	525	0.216	0.6	166.7	11.7	54.39	2.0669	312.3	6.41	70.67	1.122	220.2	312.3	333.3	0.94	1.44	1.75	1.87	1.54	99.84	97.87	97.69	99.66	1.51	40.4	0.05	2.08	2.38	0.11	0.22	0.25	0.16	98.69	98.44	98.28	98.29	0.53	189.8	1.15
EA12 to EA11	CLASS 2	13.18	525	0.216	0.5	200	11.56	54.71	1.9764	300.4	6	72.3	0.983	197.4	300.4	304.2	0.99	1.39	1.6	1.83	1.41	100.13	97.99	97.92	99.84	1.48	-46.9	0.05	1.98	2.2	0.1	0.19	0.22	0.06	98.94	98.72	98.66	98.69	0.49	205.2	1.19
EA13 to EA12	CLASS 2	20.41	525	0.216	0.5	200	11.35	55.2	1.9649	301.3	11.35	55.2	1.9649	301.3	301.3	304.2	0.99	1.39	1.6	1.84	1.41	100.38	98.14	98.04	100.13	1.45	47.6	0.05	1.85	1.97	0.1	0.18	0.19	0.1	99.21	99.02	98.92	98.94	0.49	203.9	1.17
EA14 to EA13	CLASS 2	2.14	525	0.216	0.5	200	11.33	55.25	1.9649	301.6	11.33	55.25	1.9649	301.6	301.6	304.2	0.99	1.39	1.6	1.84	1.41	100.39	98.2	98.19	100.38	1.62	-43.7	0.05	2		0.1	0.2		0.01	99.41	99.21	99.2	99.21	0.49	203.6	0.98
EA04A to EA04	CLASS 2	8.65	300	0.071	2	50	6	72.3	0.0359	7.2	6	72.3	0.0359	7.2	7.2	136.8	0.05	0.1	1.02	0.66	1.94	98.72	97.24	97.07	98.71	1.11	-75.2	0.3	9.7		0	0.01		0	97.43	97.43	97.43	97.47	-0.01	-17953	1.28
EA08 to EA07	CLASS 2	8.35	300	0.071	1	100	6	72.3	0.0291	5.9	6	72.3	0.0291	5.9	5.9	96.7	0.06	0.08	0.75	0.62	1.37	99.39	97.77	97.69	99.39	1.25	-90	0.3	9.7		0	0		0	97.95	97.95	97.95	97.95	0	-74358	1.44
EA06 to EA05	CLASS 2	8.35	300	0.071	1	100	6	72.3	0.0325	6.5	6	72.3	0.0325	6.5	6.5	96.7	0.07	0.09	0.78	0.64	1.37	99.09	97.51	97.43	99.09	1.21	-90	0.3	9.7		0	0		0	97.73	97.72	97.72	97.73	0	140719	1.36
EB01 to EA04	CLASS 2	32.05	300	0.071	2.1	47.6	7.32	67.15	0.5162	96.3	6.79	69.12	0.5039	96.8	96.8	140.2	0.69	1.37	2.14	1.59	1.98	99.45	97.74	97.07	98.71	1.38	89.1	0.3	2.06	2.54	0.1	0.2	0.24	0.59	98.23	97.99	97.43	97.47	1.73	57.7	1.23
EB02 to EB01	CLASS 2	76.4	300	0.071	1.32	75.7	6.6	69.88	0.5162	100.2	6.08	71.98	0.5039	100.8	100.8	111.2	0.91	1.43	1.78	1.62	1.57	99.92	98.8	97.79	99.45	0.95	-90	0.05	1.7		0.1	0.18		0.9	99.22	99.05	98.18	98.23	1.13	88.2	0.69
EB03 to EB02	CLASS 2	82.5	300	0.071	0.7	142.9	5.53	74.44	0.316	65.3	5.48	74.63	0.3155	65.4	65.4	80.9	0.81	0.93	1.27	1.31	1.15	100.39	99.43	98.85	99.92	0.91	0	0.05	2.65	2.87	0.04	0.12	0.13	0.45	99.76	99.63	99.22	99.22	0.5	201.5	0.63
EB04 to EB03	CLASS 2	13.58	225	0.04	0.8	125	5.32	75.36	0.1372	28.7	5.28	75.56	0.1367	28.7	28.7	40.2	0.71	0.72	1.1	1.09	1.01	100.59	99.59	99.48	100.39	0.97	32.1	0.05	2.18	2.66	0.03	0.06	0.07	0.05	99.87	99.8	99.75	99.76	0.4	252.6	0.71
EB05 to EB04	CLASS 2	20.09	225	0.04	2	50	5	76.8	0.0544	11.6	5	76.8	0.0544	11.6	11.6	63.5	0.18	0.29	1.22	0.8	1.6	100.65	100.04	99.64	100.59	0.96	90	0.05	7		0	0.03		0.3	100.16	100.13	99.86	99.87	1.33	75.3	0.49
EB06 to EB04	CLASS 2	16.91	225	0.04	0.8	125	5	76.8	0.0564	12	5	76.8	0.0564	12	12	40.2	0.3	0.3	0.88	0.81	1.01	100.41	99.77	99.64	100.59	0.58	-90	0.05	7		0	0.03		0.03	99.9	99.86	99.86	99.87	0.01	9285	0.51
EC01 to EA11	CLASS 2	8.95	300	0.071	1	100	6.21	71.45	0.0307	6.1	6	72.3	0.0299	6	6.1	96.7	0.06	0.09	0.76	0.63	1.37	99.84	98.19	98.1	99.84	1.29	89.3	0.225	1.87	2.4	0	0	0	0	98.66	98.66	98.66	98.69	0	25286	1.18
EC02 to EC01	CLASS 2	12.77	300	0.071	3	33.3	6	72.3	0.0205	4.1	6	72.3	0.0205	4.1	4.1	167.6	0.02	0.06	1	0.57	2.37	100.41	98.62	98.24	99.84	1.42	-42	0.05	9.7		0	0		0.02	98.67	98.67	98.66	98.66	0.06	1700.3	1.74
EC03 to EA11	CLASS 2	16.96	300	0.071	1	100	6	72.3	0.0499	10	6	72.3	0.0499	10	10	96.7	0.1	0.14	0.88	0.72	1.37	100.08	98.27	98.1	99.84	1.38	1.9	0.225	9.7		0	0.01		0	98.67	98.66	98.66	98.69	0.01	9318.8	1.41
FA03 to AY03	CLASS 2	7	375	0.11	0.5	200	8.65	62.64	0.5434	94.6	7.28	67.31	0.5304	99.2	99.2	124	0.8	0.9	1.25	1.39	1.12	98.24	96.97	96.93	98.12	0.79	90	1.63	0.67		0.04	0.03		0.04	97.25	97.22	97.16	97.14	0.79	126.8	0.99
FA04 to FA03	CLASS 2	42	375	0.11	0.5	200	8.08	64.46	0.4924	88.2	6.71	69.48	0.4793	92.5	92.5	124	0.75	0.84	1.23	1.35	1.12	98.46	97.23	97.02	98.24	0.81	0	0.05	1.39		0.04	0.05		0.21	97.52	97.47	97.25	97.25	0.53	188.7	0.94
FA05 to FA04	CLASS 2	49	375	0.11	0.5	200	7.37	66.97	0.3593	66.8	6.37	70.82	0.3558	70	70	124	0.56	0.63	1.16	1.22	1.12	98.72	97.52	97.28	98.46	0.77	0	0.05	1.42		0.02	0.03		0.23	97.75	97.72	97.52	97.52	0.42	238.3	0.96
FA06 to FA05	CLASS 2	40.7	300	0.071	0.5	200	6.71	69.47	0.2153	41.6	5.71	73.62	0.2119	43.3	43.3	68.4	0.63	0.61	1.02	1.12	0.97	98.93	97.8	97.6	98.72	0.79	0	0.075	1.97		0.02	0.04		0.21	98.01	97.97	97.76	97.75	0.53	188.3	0.92
FA07 to FA06	CLASS 2	37.3	300	0.071	0.5	200	6	72.3	0.113	22.7	5	76.8	0.1107	23.6	23.6	68.4	0.35	0.33	0.88	0.92	0.97	99.12	98.04	97.85	98.93	0.75	0	0.05	7		0.01	0.04		0.17	98.2	98.16	98.01	98.01	0.39	253.6	0.93
FB01 to MA05	CLASS 2	11.77	300	0.071	1	100	6.3	71.08	0.1948	38.5	5.94	72.56	0.1936	39	39	96.7	0.4	0.55	1.29	1.08	1.37	99.1	96.92	96.8	98.56	1.56	77.4	0.45	1.51	1.88	0.02	0.02	0.03	0.02	98.11	98.08	98.06	98.06	0.16	614.7	0.99
FB02 to FB01	CLASS 2	25.1	300	0.071	1.21	82.4	6	72.3	0.1827	36.7	5.64	73.93	0.1817	37.3	37.3	106.5	0.35	0.53	1.37	1.07	1.51	99.41	97.99	97.68	99.1	1.09	13.2	0.763	3.23	3.72	0.01	0.05	0.05	0.08	98.19	98.14	98.1	98.11	0.14	700.7	1.22
FB03 to FB02	CLASS 2	41.88	300	0.071	1.27	78.9	5	76.8	0.0737	15.7	5	76.8	0.0737	15.7	15.7	108.9	0.14	0.22	1.1	0.82	1.54	99.85	98.57	98.04	99.41	0.95	27.5	0.05	7		0	0.02		0.5	98.68	98.66	98.18	98.19	1.15	87.1	1.17
MA05 to MA-04	CLASS 2	63.5	750	0.442	0.33	300.3	13.92	49.76	4.2117	582.1	10.67	56.86	3.624	572.4	582.1	642.7	0.91	1.32	1.65	1.99	1.45	98.56	96.35	96.14	98.27	1.35	0	0.05	0.63	0.68	0.09	0.06	0.06	0.17	98.06	98	97.83	97.83	0.27	366.1	0.5
MA06 to MA05	CLASS 2	46.63	750	0.442	0.33	300.3	13.44	50.66	3.8653	543.9	10.19	58.1	3.2776	528.9	543.9	642.7	0.85	1.23	1.63	1.94	1.45	98.87	96.56	96.4	98.56	1.37	0	0.05	1.53	1.7	0.08	0.12	0.13	0.11	98.3	98.17	98.06	98.06	0.24	419.2	0.57

Issue	Description	DR	CH	VE	Date
04	DESIGN CO-ORDINATION AMENDMENTS	CM	CS	IOC	18.07.23
03	RESPONSE TO COUNCIL RFI	CM	CS	SE	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

100mm on Original

Scales

Planner

RobertsDay
planning·design·place

Client

RESIMAX GROUP

Status

FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

STORMWATER DRAINAGE
CALCULATION TABLES
SHEET 2

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 18, Queen & Collins Tower
376-390 Collins Street
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www.arcadis.com

Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435 -	AAP -	AA22ADD -	CV -	DRG -	0361 -	04

Date Plotted: 17 Jul 2023 - 02:36pm File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0361-SwdCalcsTable.dwg V1

LEGEND

- PROPOSED KERB & CHANNEL
- PROPOSED ROAD PAVEMENT
- PROPOSED CONCRETE FOOTPATH/DRIVEWAY
- PROPOSED SHARED PATH
- STREET TREE
- KERB INLET DIVERSION. REFER TO DRAWING DRG-0702 FOR DETAILS
- SWD — PROPOSED STORMWATER DRAINAGE
- S — PROPOSED SEWERAGE RETICULATION
- W — PROPOSED WATER RETICULATION
- R — PROPOSED RECYCLED WATER RETICULATION
- E — PROPOSED ELECTRICITY UNDER GROUND
- C — PROPOSED COMMUNICATIONS
- G — PROPOSED GAS RETICULATION
- STAGE BOUNDARY
- EXISTING TREES TO BE RETAINED
- EXISTING TREES TO BE REMOVE

NOTE:

1. FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.
2. PASSIVE IRRIGATION LOCATIONS ARE SUBJECT TO FINAL LANDSCAPE AND ELECTRICAL DESIGN PLANS.
3. FOR FURTHER DETAILS REFER TO THE LANDSCAPE ARCHITECT DESIGN PLANS.

Issue	Description	DR	CH	VE	Date
04	DESIGN CO-ORDINATION AMENDMENTS	CM	CS	IOC	18.07.23
03	RESPONSE TO COUNCIL RFI	CM	CS	SE	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

0 10 20 30 40 50m

1 : 500

Planner

RobertsDay planning·design·place

Client

RESIMAX GROUP

Status

FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

PASSIVE IRRIGATION LAYOUT
SHEET 1

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 18, Queen & Collins Tower
376-390 Collins Street
Melbourne VIC 3000 Australia
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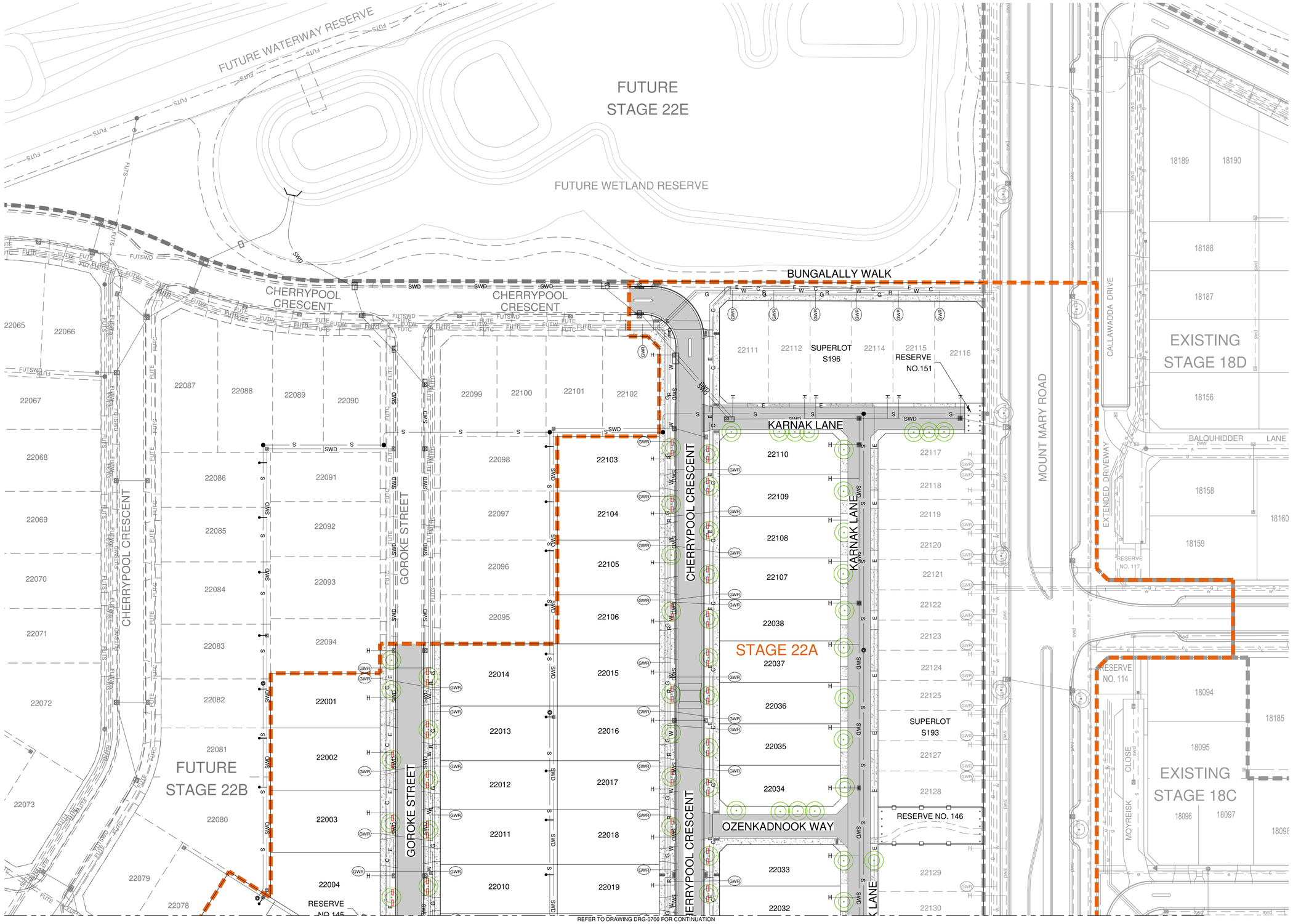
www.arcadis.com

Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0700	04

100mm on Original

Date Plotted: 27 Jul 2023 - 04:55pm File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0700-PassiveIrrigation.dwg V1



LEGEND

- PROPOSED KERB & CHANNEL
- PROPOSED ROAD PAVEMENT
- PROPOSED CONCRETE FOOTPATH/DRIVEWAY
- PROPOSED SHARED PATH
- STREET TREE
- KERB INLET DIVERSION. REFER TO DRAWING DRG-0702 FOR DETAILS
- SWD — PROPOSED STORMWATER DRAINAGE
- S — PROPOSED SEWERAGE RETICULATION
- W — PROPOSED WATER RETICULATION
- R — PROPOSED RECYCLED WATER RETICULATION
- E — PROPOSED ELECTRICITY UNDER GROUND
- C — PROPOSED COMMUNICATIONS
- G — PROPOSED GAS RETICULATION
- STAGE BOUNDARY
- EXISTING TREES TO BE RETAINED
- EXISTING TREES TO BE REMOVE

NOTE:

1. FOR GENERAL NOTES, REFER TO DRAWING No. DRG-0002.
2. PASSIVE IRRIGATION LOCATIONS ARE SUBJECT TO FINAL LANDSCAPE AND ELECTRICAL DESIGN PLANS.
3. FOR FURTHER DETAILS REFER TO THE LANDSCAPE ARCHITECT DESIGN PLANS.

Issue	Description	DR	CH	VE	Date
04	DESIGN CO-ORDINATION AMENDMENTS	CM	CS	IOC	18.07.23
03	RESPONSE TO COUNCIL RFI	CM	CS	SE	12.07.23
02	REMOVING KERB PINCH POINTS	CM	KR	IOC	08.05.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

0 10 20 30 40 50m

1 : 500

Planner

RobertsDay planning·design·place

Client

RESIMAX GROUP

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project

EYNESBURY TOWNSHIP
STAGE 22A
CITY OF MELTON

Title

PASSIVE IRRIGATION LAYOUT
SHEET 2

ARCADIS
Arcadis Australia Pacific Pty Limited
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Melbourne VIC 3000 Australia
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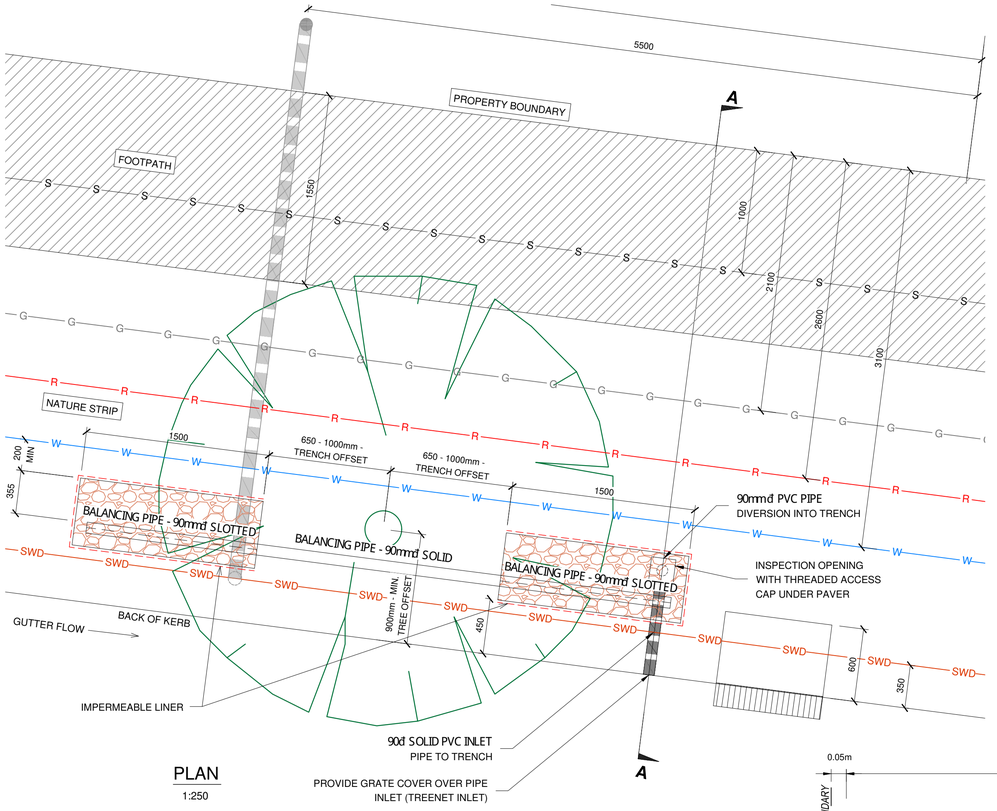
Tel No: +61 3 8623 4000
www.arcadis.com

Project No.	Originator	Zone | Stage | Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD	CV	DRG	0701	04

100mm on Original

Date Plotted: 27 Jul 2023 - 04:55pm File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0700-PassiveIrrigation.dwg V1



PLAN
1:250

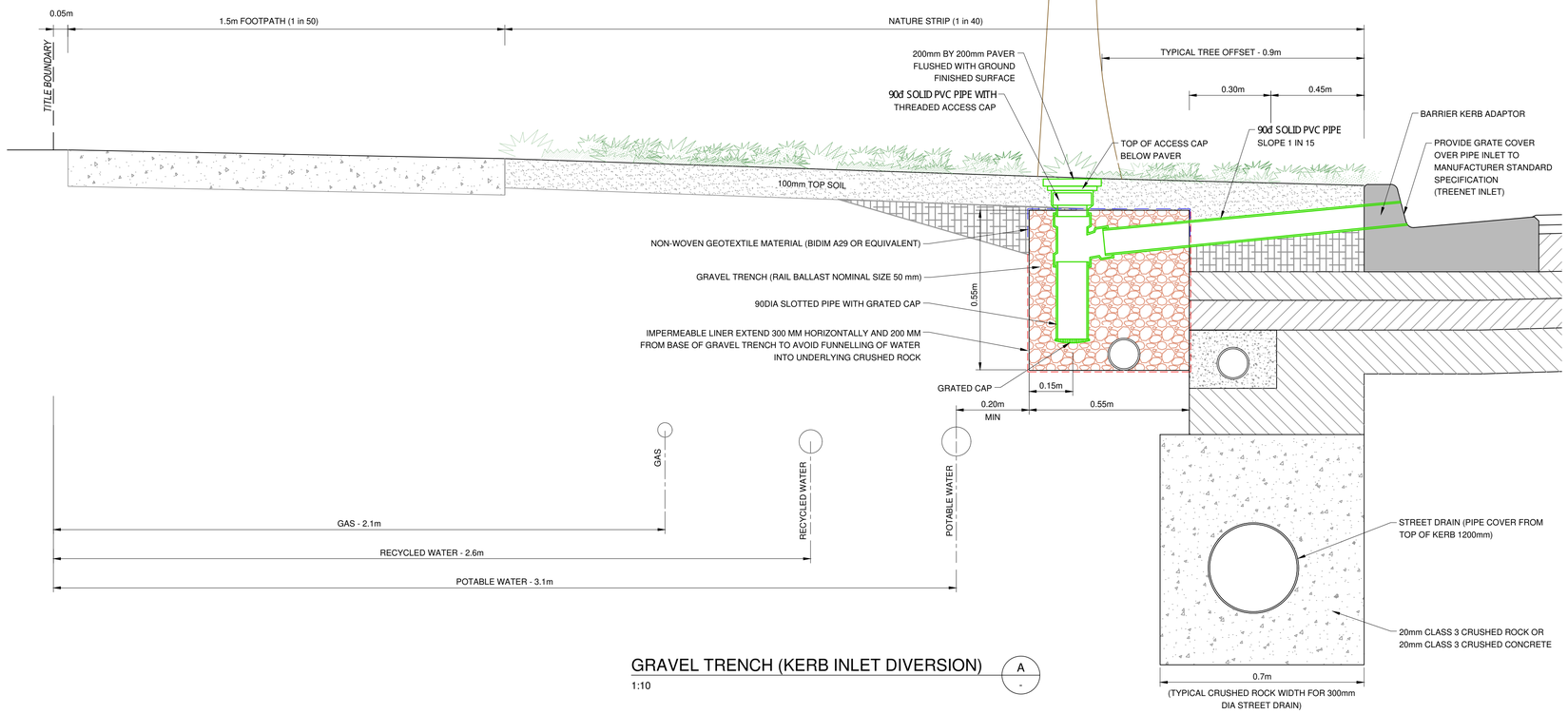
LEGEND :

- S — SEWER
- G — GAS
- R — RECYCLE WATER
- W — POTABLE WATER
- SWD — STORM WATER DRAIN
- GRAVEL TRENCH - (rail ballast nominal size 50mm)
- BALANCING PIPE - 90mmd (slotted section within gravel trench)
- BALANCING PIPE - 90mmd (Solid pipe section between gravel trenches)

GENERAL NOTES:

1. AT HIGHLY CONSTRAINED SITES, GRAVEL TRENCHES CAN BE MODIFIED IN THE FOLLOWING WAYS:
   - REDUCED OFFSET OF 0.75 m FROM TREE CENTRELINE
   - DIMENSION 1.0 mLONG B0.6 mWIDE B0.75 mDEEP
2. KERB INLET DIVERSIONS TO BE INSTALLED BY CIVIL CONTRACTOR. STREET TREES TO BE INSTALLED BY LANDSCAPE CONTRACTOR

TREENET INLET



GRAVEL TRENCH (KERB INLET DIVERSION)
1:10

A
-

Issue	Description	DR	CH	VE	Date
02	UPDATES FOR REGISTRATION OF ENGINEERS	CM	CS	IOC	12.07.23
01	ISSUED TO COUNCIL FOR APPROVAL	CM	HA	IOC	11.11.22

Scales

0 100 200 400 600 800 1000mm
1 : 10

0 5 10 15 20 25m
1 : 250

Planner: RobertsDay planning·design·place

Client: RESIMAX GROUP

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	H.ALAM	Height Datum	AHD
Project Manager	S.EISEL	Grid	MGA
Verified	I.O'CONNOR		

Project: EYNESBURY TOWNSHIP STAGE 22A CITY OF MELTON

Title: PASSIVE IRRIGATION DETAILS

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Project No.	Originator	Zone	Stage	Phase	Discipline	Type	Drawing No.	Issue
10029435	AAP	AA22ADD			CV	DRG	0702	02

100mm on Original

Date Plotted: 11 Jul 2023 - 01:31am File Name: C:\Users\menezc4027\DC\ACCDocs\Arcadis\A-AU-10029435-Eynesbury Estate\Project Files\01_WORK IN PROGRESS\01_Civil_CV\Stage22A\Drawings\10029435-AAP-AA22ADD-CV-DRG-0702-PassiveIrrigationDetail.dwg

V1