EYNESBURY TOWNSHIP

STAGE 8C CIVIL WORKS
MELTON CITY COUNCIL

DRAWING SCHEDULE	
DRAWING No.	DRAWING DESCRIPTION
C-08C-001	COVER SHEET, LOCALITY PLAN AND DRAWING SCHEDULE
C-08C-002	GENERAL NOTES
C-08C-100	EARTHWORKS LAYOUT PLAN
C-08C-200	SETOUT PLAN
C-08C-220	ROADWORKS AND DRAINAGE LAYOUT PLAN
C-08C-240	LOGAN STREET ROAD LONGITUDINAL & CROSS SECTIONS
C-08C-241	CROWLANDS CIRCUIT ROAD LONGITUDINAL SECTIONS
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C-08C-243	AMPHITHEATRE STREET ROAD LONGITUDINAL & CROSS SECTIONS
C-08C-244	NUGGETTY LANE ROAD LONGITUDINAL & CROSS SECTIONS
C-08C-260	INTERSECTION DETAILS SHEET 1 OF 2
C-08C-261	INTERSECTION DETAILS SHEET 2 OF 2
C-08C-270	SWALE DETAILS SHEET 1 OF 2
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C-08C-280	TYPICAL DETAILS SHEET 1 OF 2
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C-08C-300	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 1 OF 2
C-08C-301	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 2 OF 2
C-08C-320	STORMWATER DRAINAGE PIT SCHEDULE
C-08C-350	STORMWATER DRAINAGE Q5 CATCHMENT PLAN
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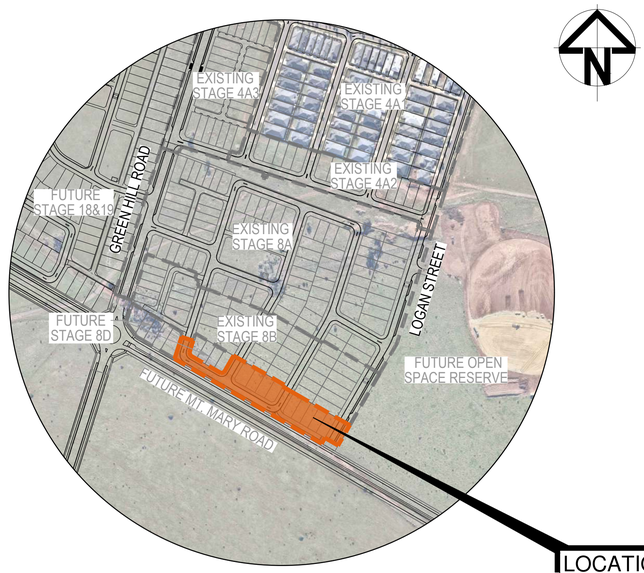
C-08C-700	RETAINING WALL LAYOUT PLAN SHEET 1 OF 2
C-08C-701	RETAINING WALL LAYOUT PLAN SHEET 2 OF 2
C-08C-710	PASSIVE IRRIGATION LAYOUT PLAN
C-08C-711	PASSIVE IRRIGATION DETAILS



LOCALITY PLAN
N.T.S
MELWAY REF 110 B10

AS CONSTRUCTED RECORDS

THE OBJECTIVE OF THESE 'AS-CONSTRUCTED DRAWINGS' IS TO REFLECT ANY SIGNIFICANT CHANGES TO THE APPROVED CONSTRUCTION DRAWINGS AND PROVIDE COUNCIL WITH A RECORD OF DESIGN INTENT. ANY LEVELS AND COORDINATES SHOWN ON THESE PLANS ARE SUBJECT TO SURVEY AND WILL DIFFER.
ARCADIS ACCEPT NO RESPONSIBILITY FOR LOSS OR DAMAGES RESULTING FROM THE INTERPRETATION OF THESE DRAWINGS. ALL DETAILS AND ASSETS MUST BE ASCERTAINED AND VERIFIED BY THE END USER.

LEVEL DATUM	
PSM	31
RL	88.74

REAL PROPERTY DESCRIPTION
LOT S83 ON PS543210K PARISH OF MOORADORANOOK LOCAL AUTHORITY - MELTON CITY COUNCIL

nearmap IMAGERY EXTRACTED FROM nearmap.com

Issue	Description	By	Ckd	PM	Date
B	AS CONSTRUCTED	WB	ZS	SE	07.10.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	04.12.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	HP	ZS	SE	19.08.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	10.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.11.19

Scale

Planner: RobertsDay planning·design·place

Filename C-08c-001-10029435-Cover.dwg

Client: RESIMAX GROUP

Status: AS CONSTRUCTED

Verifier: Z.STROGUSZ

Scales	NTS	Original Issue Signatures	
Original Size	A1	Drawn W.BUMAGAT	
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Grid	MGA	Project Manager S.EISEL	

Project: EYNESBURY TOWNSHIP STAGE 8C

Title: COVER SHEET, LOCALITY PLAN AND DRAWING SCHEDULE

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Drawing No.	Project No.	Issue
C-08C-001	10029435	B

100mm on Original

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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.

AS CONSTRUCTED RECORDS

THE OBJECTIVE OF THESE 'AS-CONSTRUCTED DRAWINGS' IS TO REFLECT ANY SIGNIFICANT CHANGES TO THE APPROVED CONSTRUCTION DRAWINGS AND PROVIDE COUNCIL WITH A RECORD OF DESIGN INTENT. ANY LEVELS AND COORDINATES SHOWN ON THESE PLANS ARE SUBJECT TO SURVEY AND WILL DIFFER.
ARCADIS ACCEPT NO RESPONSIBILITY FOR LOSS OR DAMAGES RESULTING FROM THE INTERPRETATION OF THESE DRAWINGS. ALL DETAILS AND ASSETS MUST BE ASCERTAINED AND VERIFIED BY THE END USER.

Issue	Description	By	Ckd	PM	Date
B	AS CONSTRUCTED	WB	ZS	SE	07.10.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	04.12.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	10.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.11.19

100mm on Original

Scale

Planner
RobertsDay planning·design·place

Filename C-08c-002-10029435-Notes.dwg

Client
RESIMAX GROUP

Status: AS CONSTRUCTED
Verifier: Z.STROGUSZ
Scales
Original Size: A1
Height Datum: AHD
Grid: MGA
Original Issue Signatures
Drawn W.BUMAGAT
Designed J.ROCK
Project Manager S.EISEL

Project: EYNESBURY TOWNSHIP STAGE 8C

Title: GENERAL NOTES

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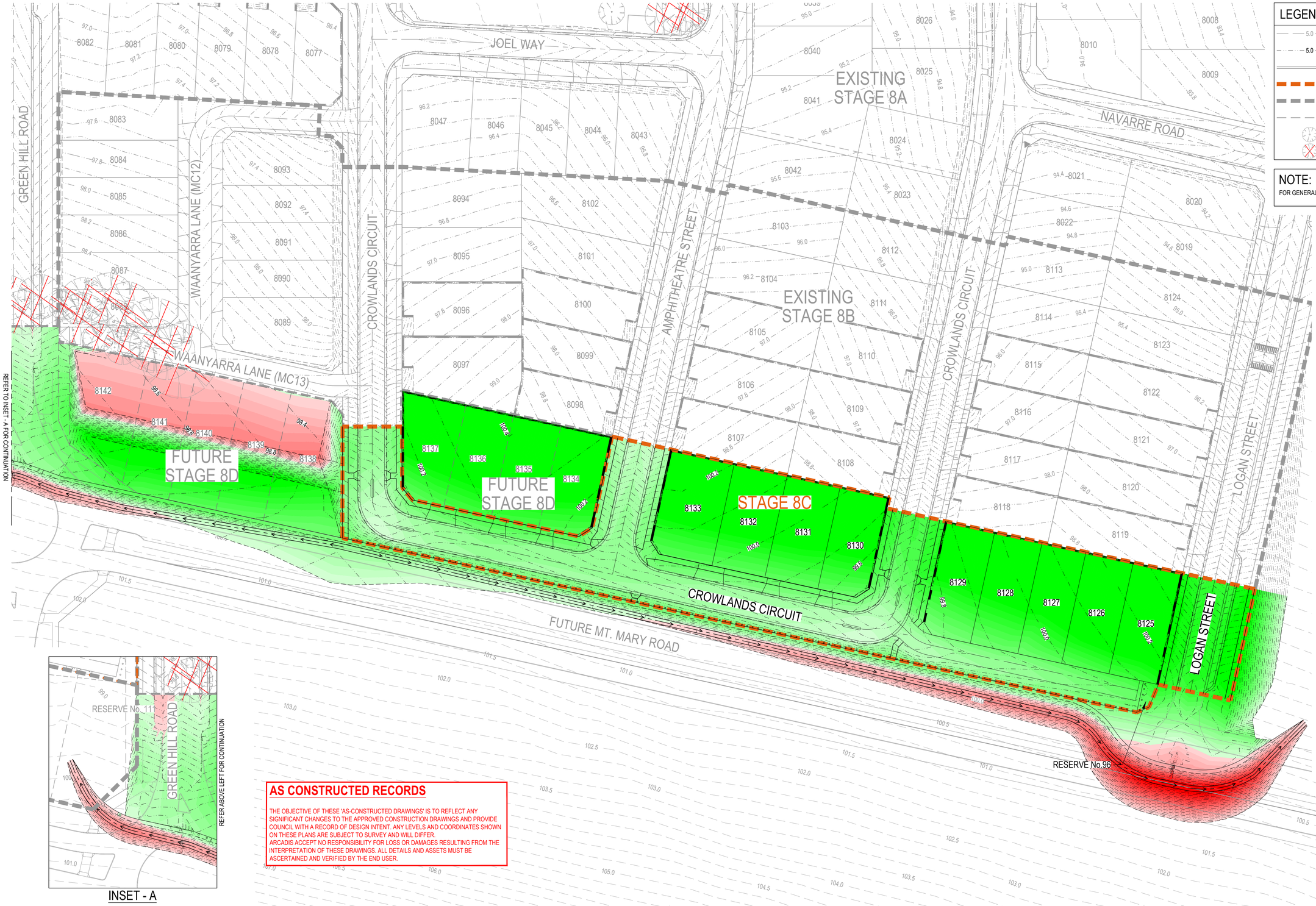
www.arcadis.com

Drawing No. C-08C-002 — Project No. 10029435 — Issue B



INSET - A

LEGEND

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

NOTE:

FOR GENERAL NOTES, REFER TO DRAWING No. C-08C-002.

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	0.00	m
0.000	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

AS CONSTRUCTED RECORDS

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Issue	Description	By	Ckd	PM	Date
C	AS CONSTRUCTED	WB	ZS	SE	07.10.21
B	UPDATES TO LOT 8138	WB	ZS	SE	12.08.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	04.12.20
04	UPDATES TO ADDRESS COUNCIL COMMENTS	HP	ZS	SE	19.08.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	03.08.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	10.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.11.19

Scale: 0 5 10 20 30 40 50m — 1 : 500

100mm on Original

Planner: RobertsDay planning·design·place

Filename C-08c-100-10029435-EarthworksPlan.dwg

Client: RESIMAX GROUP

Status: AS CONSTRUCTED

Verifier: Z.STROGUSZ

Scales: 1:500

Original Size: A1

Height Datum: AHD

Grid: MGA

Original Issue Signatures: Drawn W.BUMAGAT; Designed J.ROCK; Project Manager S.EISEL

Project: EYNESBURY TOWNSHIP STAGE 8C

Title: EARTHWORKS LAYOUT PLAN

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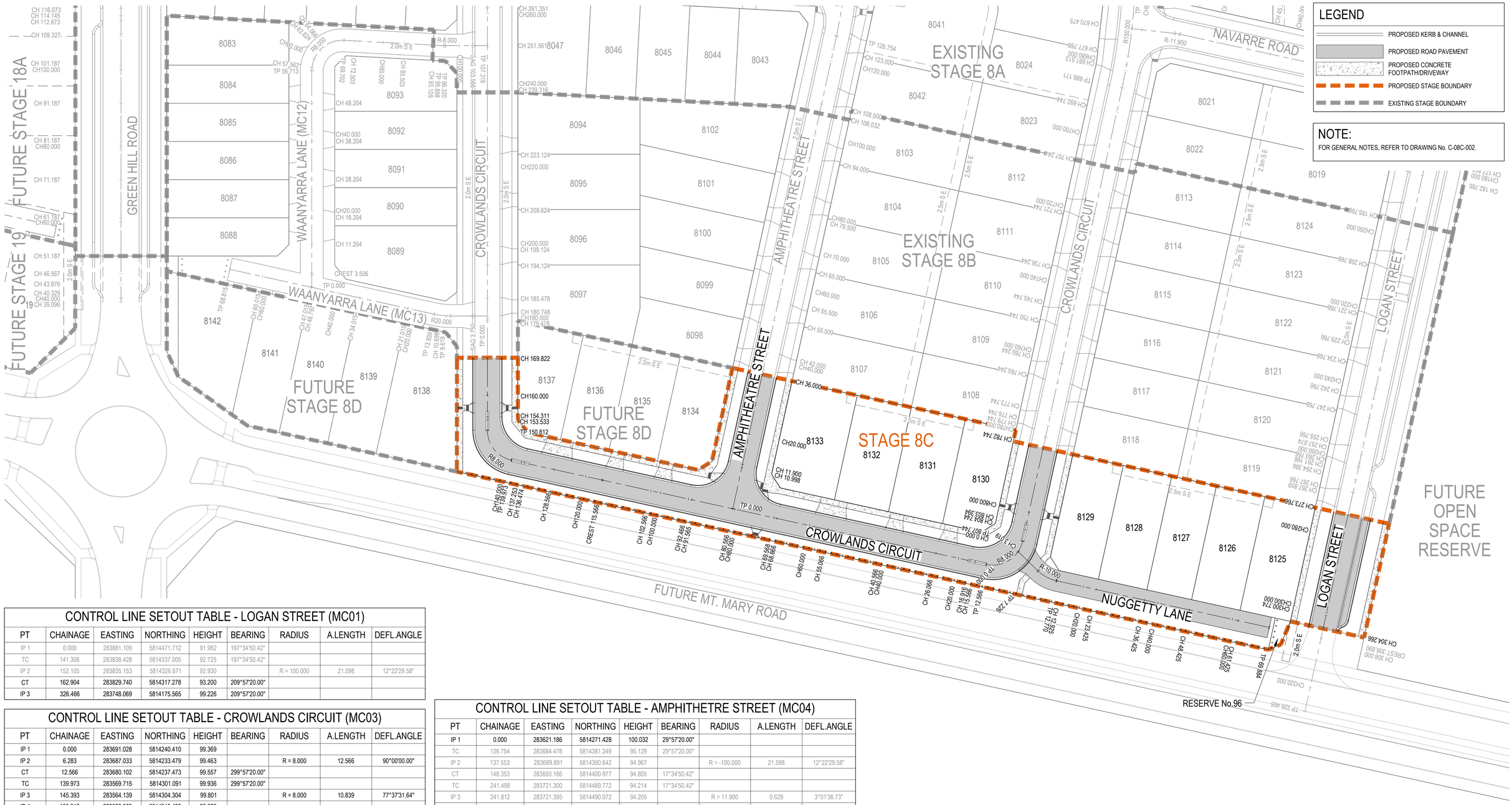
Drawing No. C-08C-100 — Project No. 10029435 — Issue C

Last Saved: WBMN1953 Date Plotted: 6 Oct 2021 - 09:38AM File Name: C:\12dSW\data\AUSY01APP04\10029435-Eynesbury_46\D-DigEng\DA-CAD\DAC-Drawings\10029435-08\10029435-08C\c-08c-100-10029435-EarthworksPlan.dwg V1



CONTROL LINE SETOUT TABLE - LOGAN STREET (MC01)

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RADIUS	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283881.109	5814471.712	91.982	197°34'50.42"			
TC	141.306	283838.428	5814337.005	92.725	197°34'50.42"			
IP 2	152.105	283835.153	5814326.671	92.930		R = 100.000	21.598	12°22'29.58"
CT	162.904	283829.740	5814317.278	93.200	209°57'20.00"			
IP 3	326.466	283748.069	5814175.565	99.226	209°57'20.00"			

CONTROL LINE SETOUT TABLE - CROWLANDS CIRCUIT (MC03)

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RADIUS	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283691.028	5814240.410	99.369				
IP 2	6.283	283687.033	5814233.479	99.463		R = 8.000	12.566	90°00'00.00"
CT	12.566	283680.102	5814237.473	99.557	299°57'20.00"			
TC	139.973	283569.715	5814301.091	99.936	299°57'20.00"			
IP 3	145.393	283564.139	5814304.304	99.801		R = 8.000	10.839	77°37'31.64"
IP 4	150.812	283566.083	5814310.439	99.665				
IP 5	377.723	283634.621	5814526.752	94.975				
IP 6	384.218	283637.169	5814534.792	94.923		R = 8.000	12.989	93°01'49.02"
IP 7	390.712	283645.063	5814531.824	94.871				
TC	544.727	283789.223	5814477.616	93.471	110°36'27.16"			
IP 8	550.799	283796.326	5814474.945	93.501		R = 8.000	12.144	86°58'23.27"
CT	556.871	283794.034	5814467.711	93.531	197°34'50.42"			
IP 9	653.773	283764.765	5814375.335	94.016				
IP 10	669.972	283759.853	5814359.832	94.097		R = 150.000	32.398	12°22'30.90"
IP 11	686.171	283751.732	5814345.742	94.224				
IP 12	807.744	283691.028	5814240.410	99.369	209°57'20.00"			

CONTROL LINE SETOUT TABLE - AMPHITHETRE STREET (MC04)

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RADIUS	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283621.186	5814271.428	100.032	29°57'20.00"			
TC	126.754	283684.478	5814381.249	95.129	29°57'20.00"			
IP 2	137.553	283689.891	5814390.642	94.967		R = -100.000	21.598	12°22'29.58"
CT	148.353	283693.166	5814400.977	94.805	17°34'50.42"			
TC	241.498	283721.300	5814489.772	94.214	17°34'50.42"			
IP 3	241.812	283721.395	5814490.072	94.205		R = 11.900	0.629	3°01'36.73"
CT	242.126	283721.506	5814490.366	94.197	20°36'27.16"			
IP 4	254.026	283725.694	5814501.504	94.087	20°36'27.16"			

CONTROL LINE SETOUT TABLE - NUGGETTY LANE (MC11)

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RADIUS	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283689.068	5814238.137	99.414	151°43'11.57"			
TC	7.226	283692.492	5814231.773	99.597	151°43'11.57"			
IP 2	9.998	283693.840	5814229.268	99.639		R = -10.000	5.544	31°45'51.58"
CT	12.770	283696.305	5814227.847	99.680	119°57'20.00"			
IP 3	69.884	283745.789	5814199.328	100.032	119°57'20.00"			

AS CONSTRUCTED RECORDS

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Issue	Description	By	Ckd	PM	Date
B	AS CONSTRUCTED	WB	ZS	SE	07.10.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	04.12.20
04	UPDATES TO ADDRESS COUNCIL COMMENTS	HP	ZS	SE	19.08.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	03.08.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	10.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.11.19

100mm on Original

Scale

0 5 10 20 30 40 50m

1 : 500

Planner

RobertsDay planning·design·place

Filename C-08c-200-10029435-Setout.dwg

Client

RESIMAX GROUP

Status: AS CONSTRUCTED

Verifier: Z.STROGUSZ

Scales: 1:500

Original Size: A1

Height Datum: AHD

Grid: MGA

Original Issue Signatures

Drawn W.BUMAGAT

Designed J.ROCK

Project Manager S.EISEL

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Project: EYNESBURY TOWNSHIP STAGE 8C

Title: SETOUT PLAN

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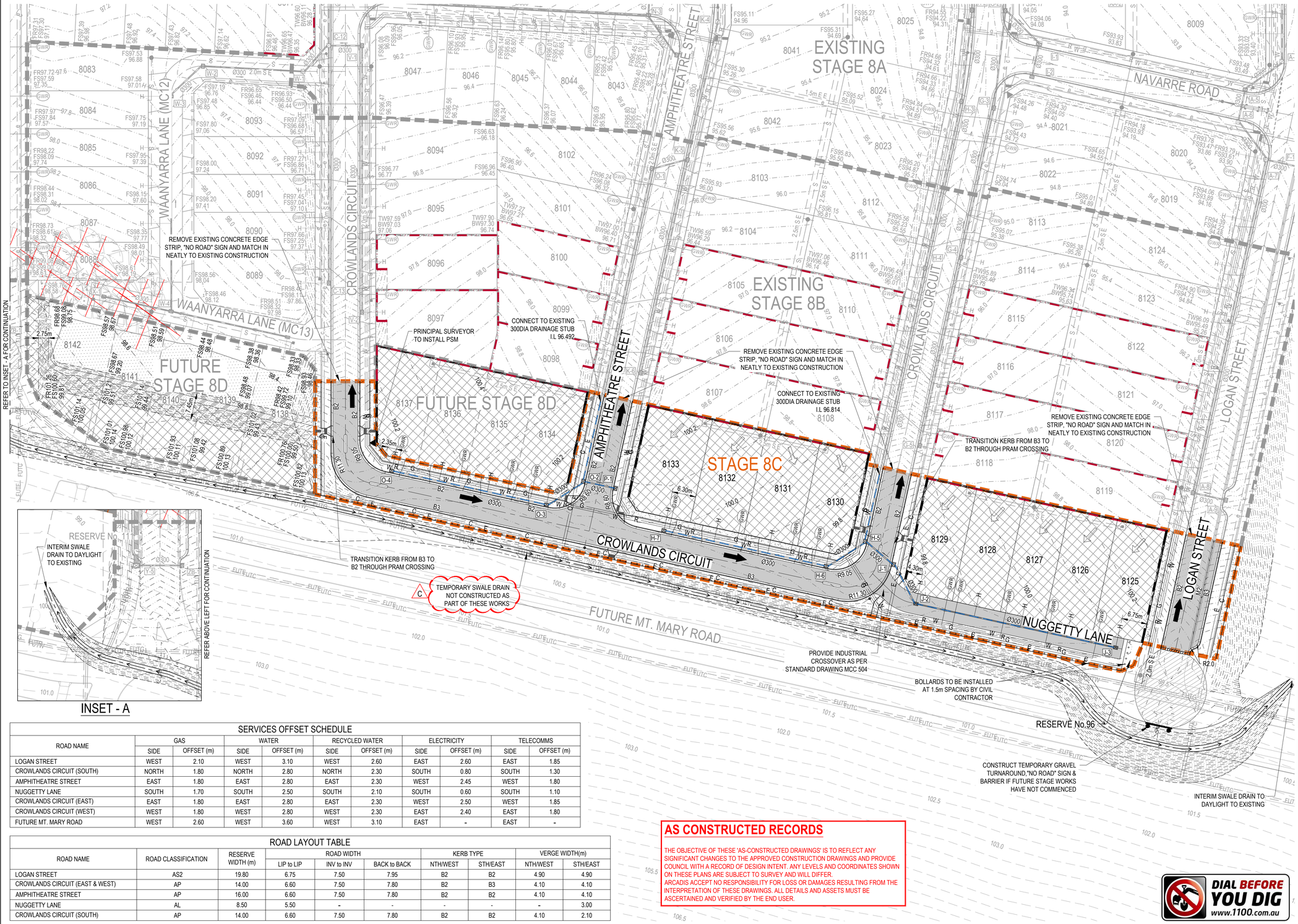
Drawing No. C-08C-200 — Project No. 10029435 — Issue B

Last Saved: WBMN1953 Date Plotted: 6 Oct 2021 - 09:46AM File Name: C:\12dSW\data\AUSY01APP04\10029435-Eynesbury_46\D-DigEng\DA-CAD\DAC-Drawings\10029435-08\10029435-08C\c-08c-200-10029435-Setout.dwg V1



INSET - A

SERVICES OFFSET SCHEDULE

ROAD NAME	GAS		WATER		RECYCLED WATER		ELECTRICITY		TELECOMMS	
	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)
LOGAN STREET	WEST	2.10	WEST	3.10	WEST	2.60	EAST	2.60	EAST	1.85
CROWLANDS CIRCUIT (SOUTH)	NORTH	1.80	NORTH	2.80	NORTH	2.30	SOUTH	0.80	SOUTH	1.30
AMPHITHEATRE STREET	EAST	1.80	EAST	2.80	EAST	2.30	WEST	2.45	WEST	1.80
NUGGETTY LANE	SOUTH	1.70	SOUTH	2.50	SOUTH	2.10	SOUTH	0.60	SOUTH	1.10
CROWLANDS CIRCUIT (EAST)	EAST	1.80	EAST	2.80	EAST	2.30	WEST	2.50	WEST	1.85
CROWLANDS CIRCUIT (WEST)	WEST	1.80	WEST	2.80	WEST	2.30	EAST	2.40	EAST	1.80
FUTURE MT. MARY ROAD	WEST	2.60	WEST	3.60	WEST	3.10	EAST	-	EAST	-

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
LOGAN STREET	AS2	19.80	6.75	7.50	7.95	B2	B2	4.90	4.90
CROWLANDS CIRCUIT (EAST & WEST)	AP	14.00	6.60	7.50	7.80	B2	B3	4.10	4.10
AMPHITHEATRE STREET	AP	16.00	6.60	7.50	7.80	B2	B2	4.10	4.10
NUGGETTY LANE	AL	8.50	5.50	-	-	-	-	-	3.00
CROWLANDS CIRCUIT (SOUTH)	AP	14.00	6.60	7.50	7.80	B2	B2	4.10	2.10

AS CONSTRUCTED RECORDS

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LEGEND

- PROPOSED STAGE BOUNDARY
- 5.0 PROPOSED DESIGN CONTOURS
- PROPOSED KERB & CHANNEL
- FALL OF ALLOTMENT
- DIRECTION OF OVERLAND FLOW
- 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
- TW98.16 TOP OF WALL LEVEL
- BW98.16 BOTTOM OF WALL LEVEL
- 93.750 EXISTING SURFACE LEVEL
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- PROPOSED RIDGE LINE
- PROPOSED TEMPORARY SWALE DRAIN
- CUT (> 0.2m)
- FILL (> 0.2m)
- 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 TREES TO BE RETAINED
- EXISTING TREES TO BE REMOVED

NOTE:

1. FOR GENERAL NOTES, REFER TO DRAWING No. C-08C-002.
2. REFER TO DRG. NO. C-08C-700 & 701 FOR LEVEL INFORMATION FOR LOTS 8125 - 8129 ; 8130 - 8133 & 8134 - 8137

Issue	Description	By	Ckd	PM	Date
C	AS CONSTRUCTED	WB	ZS	SE	07.10.21
B	UPDATES TO LOT 8138	WB	ZS	SE	12.08.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	04.12.20
04	UPDATES TO ADDRESS COUNCIL COMMENTS	HP	ZS	SE	19.08.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	03.08.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	10.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.11.19

Scale: 0 5 10 20 30 40 50m — 1 : 500

100mm on Original

Planner: RobertsDay planning·design·place

Filename C-08c-220-10029435-Roadworks&DrainagePlan.dwg

Client: RESIMAX GROUP

Status: AS CONSTRUCTED

Verifier: Z.STROGUSZ

Scales: 1:500

Original Size: A1

Height Datum: AHD

Grid: MGA

Original Issue Signatures: Drawn W.BUMAGAT; Designed J.ROCK; Project Manager S.EISEL

Project: EYNESBURY TOWNSHIP STAGE 8C

Title: ROADWORKS AND DRAINAGE LAYOUT PLAN

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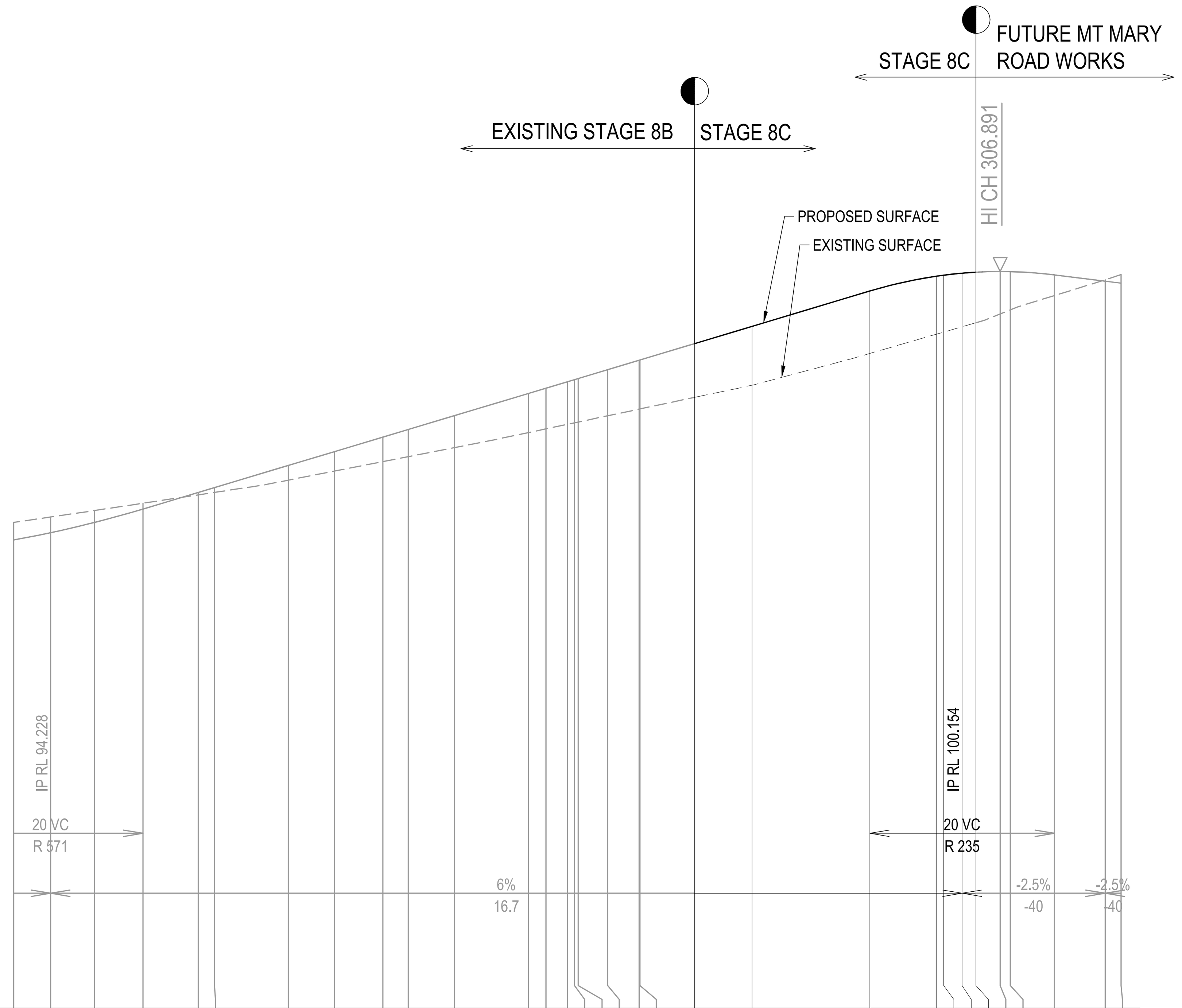
Drawing No. C-08C-220 — Project No. 10029435 — Issue C

Last Saved: WBMN1953 Date Plotted: 6 Oct 2021 - 01:32PM File Name: C:\12dSW\data\AUSY01APP04\10029435-Eynesbury_46\D-DigEng\DA-CAD\DAC-Drawings\10029435-08\10029435-08C\c-08c-220-10029435-Roadworks&DrainagePlan.dwg V1

NOTE:
1. FOR GENERAL NOTES, REFER TO DRAWING No. C-08C-002.
2. STRUCTURAL FILL IS REQUIRED WHERE FOOTPATH OR PAVEMENT IS CONSTRUCTED ABOVE EXISTING SURFACE.



REFER DRAWINGS C-08C-260 TO C-08C-261 FOR KERB RETURN LEVELS

Vertical Curve Length (m)
Vertical Curve Radius (m)
Vertical Grade (%)
Vertical Grade (1 in ...)
Horizontal Curve Radius (m)

DATUM RL.84.000

PEGGED CHAINAGE	DESIGN LEVELS ON ROAD CONTROL LINE	DESIGN LIP OF KERB (LHS)	DESIGN LIP OF KERB (RHS)	EXISTING SURFACE ON ROAD CENTRELINE	CUT / FILL DEPTH
200.000	94.159	94.080	94.049	94.539	-0.380
204.008	94.315	94.237	94.205	94.656	-0.340
208.766	94.537	94.459	94.427	94.795	-0.258
214.008	94.828	94.749	94.718	94.954	-0.126
220.000	95.187	95.109	95.077	95.135	0.052
221.766	95.293	95.215	95.183	95.188	0.105
229.766	95.773	95.695	95.663	95.454	0.319
234.766	96.073	95.995	95.963	95.651	0.422
240.000	96.387	96.309	96.277	95.856	0.531
242.766	96.553	96.475	96.443	95.964	0.589
247.766	96.853	96.775	96.743	96.160	0.693
255.766	97.333	97.255	97.223	96.485	0.849
257.674	97.448	97.369	97.338	96.566	0.882
260.000	97.587		97.477	96.664	0.923
260.766	97.633		97.523	96.697	0.936
261.166	97.657		97.547	96.714	0.943
264.366	97.849		97.739	96.850	1.000
267.766	98.053		97.943	96.994	1.059
267.859	98.059		97.949	96.998	1.061
273.766	98.413	98.335	98.303	97.248	1.165
280.000	98.787	98.709	98.677	97.511	1.276
292.772	99.554	99.475	99.444	98.201	1.352
300.000	99.876	99.798	99.766	98.619	1.257
300.774	99.898		99.788	98.664	1.234
302.772	99.941		99.831	98.779	1.162
304.266	99.963		99.853	98.865	1.097
306.891	99.977	99.862	99.867	99.057	0.920
308.000	99.975	99.860	99.865	99.147	0.828
312.772	99.904			99.456	0.448
318.266	99.766			99.796	-0.030
320.000	99.723			99.911	-0.188

LOGAN STREET (MC01) - LONGITUDINAL SECTION

SCALE: HORIZONTAL - 1:500
VERTICAL - 1:100

AS CONSTRUCTED RECORDS

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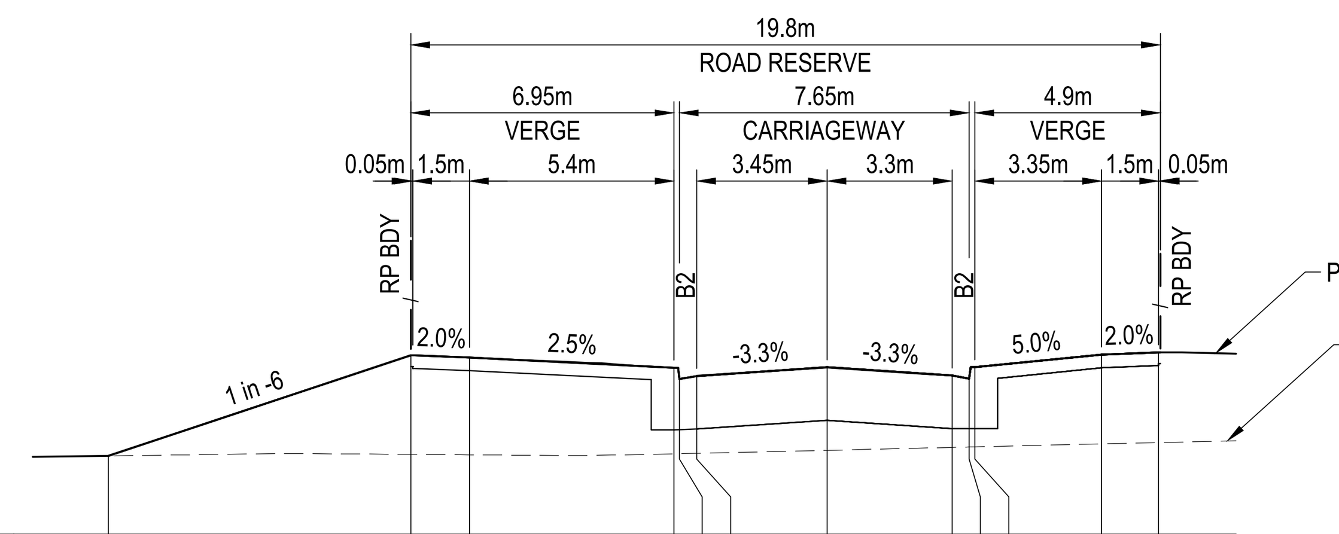
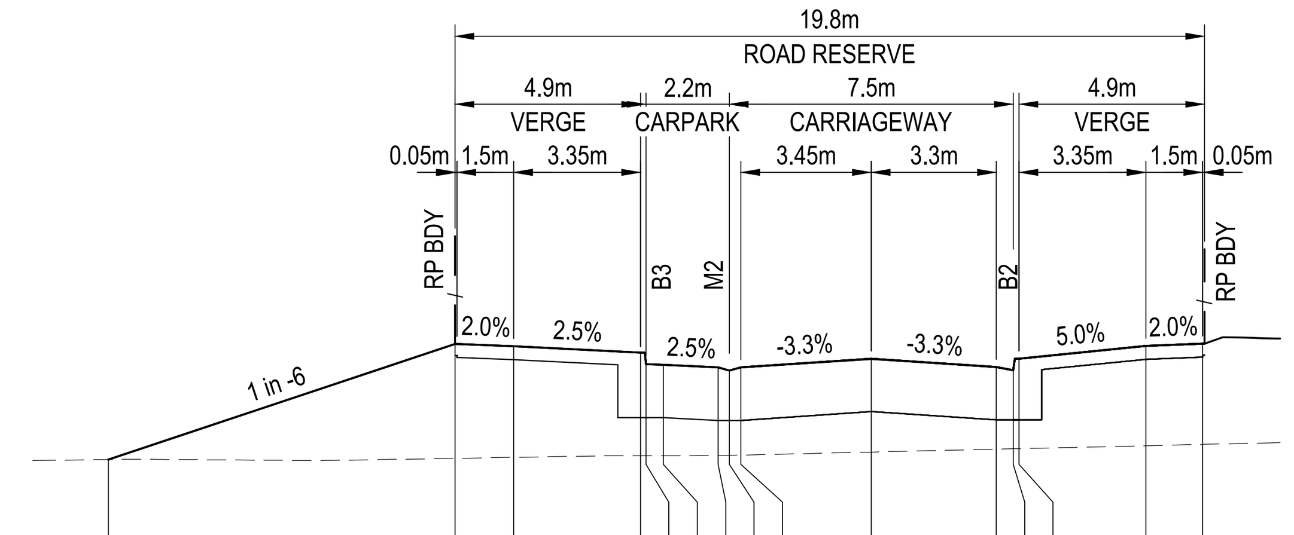


DATUM RL 97.75

OFFSET	PROPOSED LEVEL	EXISTING LEVEL
-18.986	98.792	98.79
-11.000	100.123	98.81
-9.450	100.093	98.81
-4.050	99.958	98.82
-3.900	99.808	98.82
-3.450	99.848	98.83
0.000	99.963	98.87
3.300	99.853	98.90
3.750	99.813	98.91
3.900	99.963	98.91
7.250	100.130	98.95
8.750	100.160	98.97

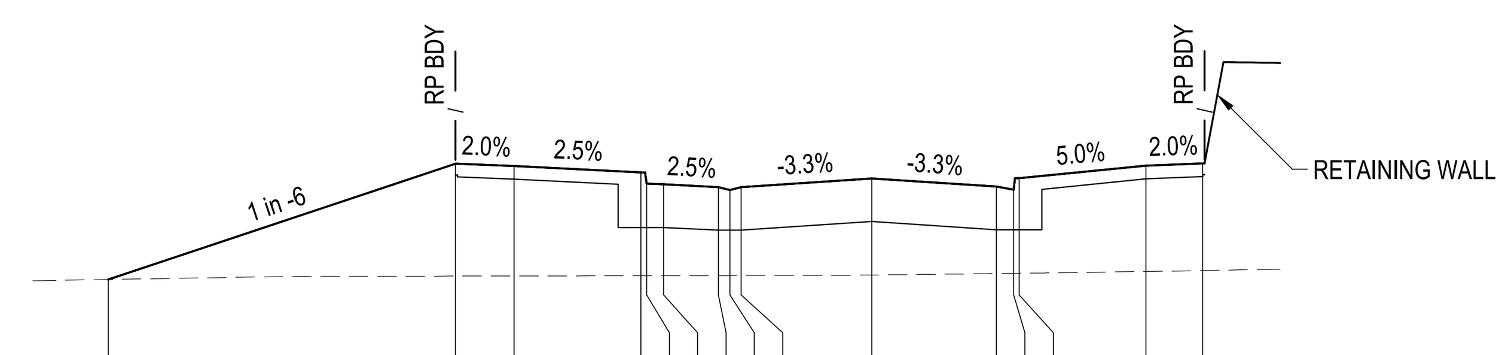
CH 304.266



DATUM RL 97.50

OFFSET	PROPOSED LEVEL	EXISTING LEVEL
-20.156	98.566	98.57
-11.000	100.092	98.58
-9.450	100.062	98.59
-6.100	99.978	98.62
-5.950	99.828	98.62
-5.500	99.819	98.62
-4.050	99.783	98.62
-3.750	99.743	98.62
-3.450	99.783	98.62
0.000	99.898	98.66
3.300	99.788	98.70
3.750	99.748	98.71
3.900	99.898	98.71
7.250	100.065	98.75
8.750	100.095	98.77

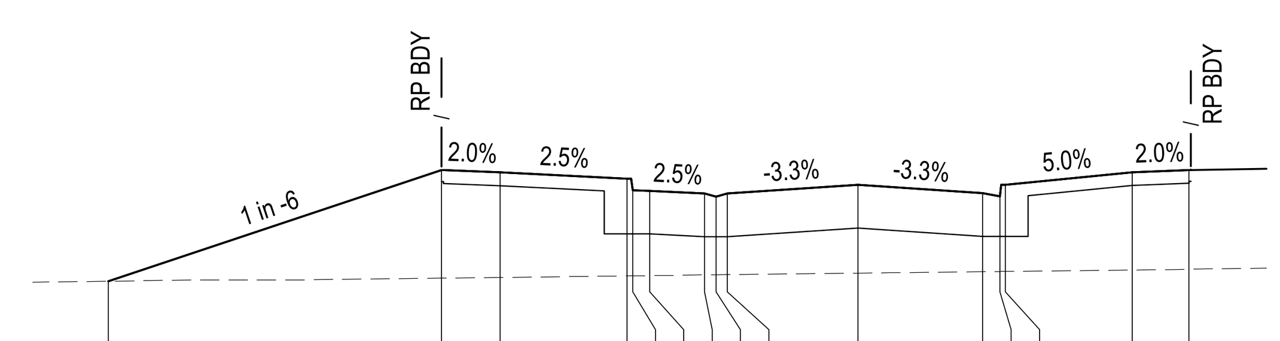
CH 300.774



DATUM RL 96.25

OFFSET	PROPOSED LEVEL	EXISTING LEVEL
-20.176	97.452	97.45
-11.000	98.981	97.50
-9.450	98.951	97.50
-6.100	98.868	97.50
-5.950	98.718	97.50
-5.500	98.709	97.50
-4.050	98.672	97.50
-3.750	98.632	97.50
-3.450	98.672	97.51
0.000	98.787	97.51
3.300	98.677	97.53
3.750	98.637	97.53
3.900	98.787	97.53
7.250	98.955	97.56
8.750	98.985	97.57

CH 280.000



DATUM RL 96.00

OFFSET	PROPOSED LEVEL	EXISTING LEVEL
-19.803	97.140	97.14
-11.000	98.607	97.18
-9.450	98.577	97.19
-6.100	98.494	97.21
-5.950	98.344	97.21
-5.500	98.335	97.21
-4.050	98.298	97.22
-3.750	98.258	97.23
-3.450	98.298	97.23
0.000	98.413	97.25
3.300	98.303	97.27
3.750	98.263	97.27
3.900	98.413	97.27
7.250	98.581	97.29
8.750	98.611	97.30

CH 273.766

LOGAN STREET (MC01) - CROSS SECTIONS

SCALE 1:200 HORI.
1:100 VERT.

Issue	Description	By	Ckd	PM	Date
B	AS CONSTRUCTED	WB	ZS	SE	07.10.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	04.12.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	10.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.11.19

100mm on Original

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

Planner
RobertsDay planning·design·place
Filename C-08c-240-10029435-RoadLS-XS MC01.dwg

Client
RESIMAX GROUP

Status: AS CONSTRUCTED
Verifier: Z.STROGUSZ
Scales: AS SHOWN
Original Size: A1
Height Datum: AHD
Grid: MGA

Original Issue Signatures
Drawn: W.BUMAGAT
Designed: J.ROCK
Project Manager: S.EISEL

Project: EYNESBURY TOWNSHIP STAGE 8C

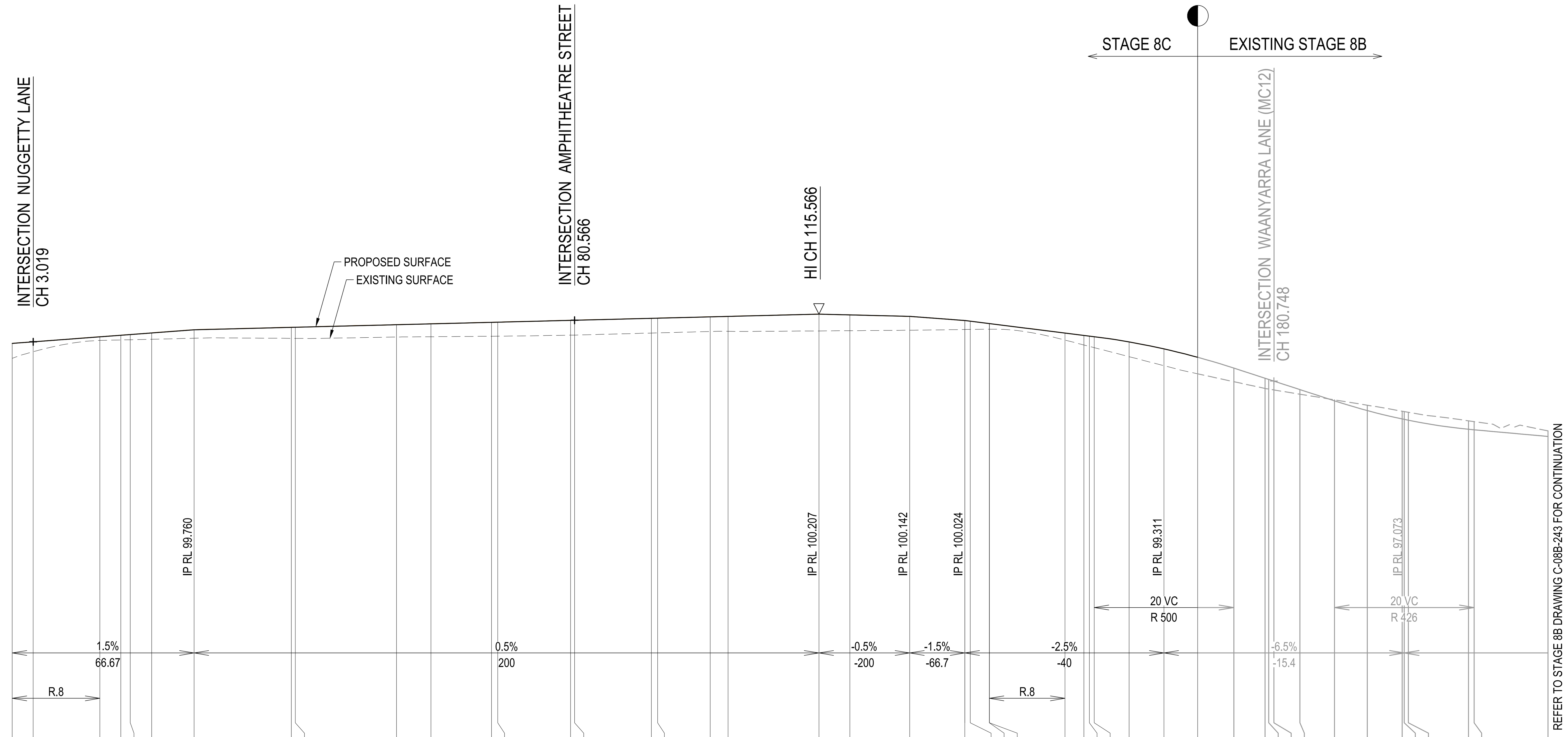
Title: LOGAN STREET ROAD LONGITUDINAL AND CROSS SECTIONS

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 32, 140 William Street
Melbourne VIC 3000
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

Drawing No. C-08C-240 — Project No. 10029435 — Issue B

Last Saved: WBMN1953 Date Plotted: 6 Oct 2021 - 09:41AM File Name: C:\12dSW\data\AUSY01APP04\10029435-Eynesbury_46\D-DigEng\DA-CAD\DAC-Drawings\10029435-08\10029435-08C\c-08c-240-10029435-RoadLS-XS MC01.dwg V1

NOTE:
FOR GENERAL NOTES, REFER TO DRAWING No. C-08C-002.

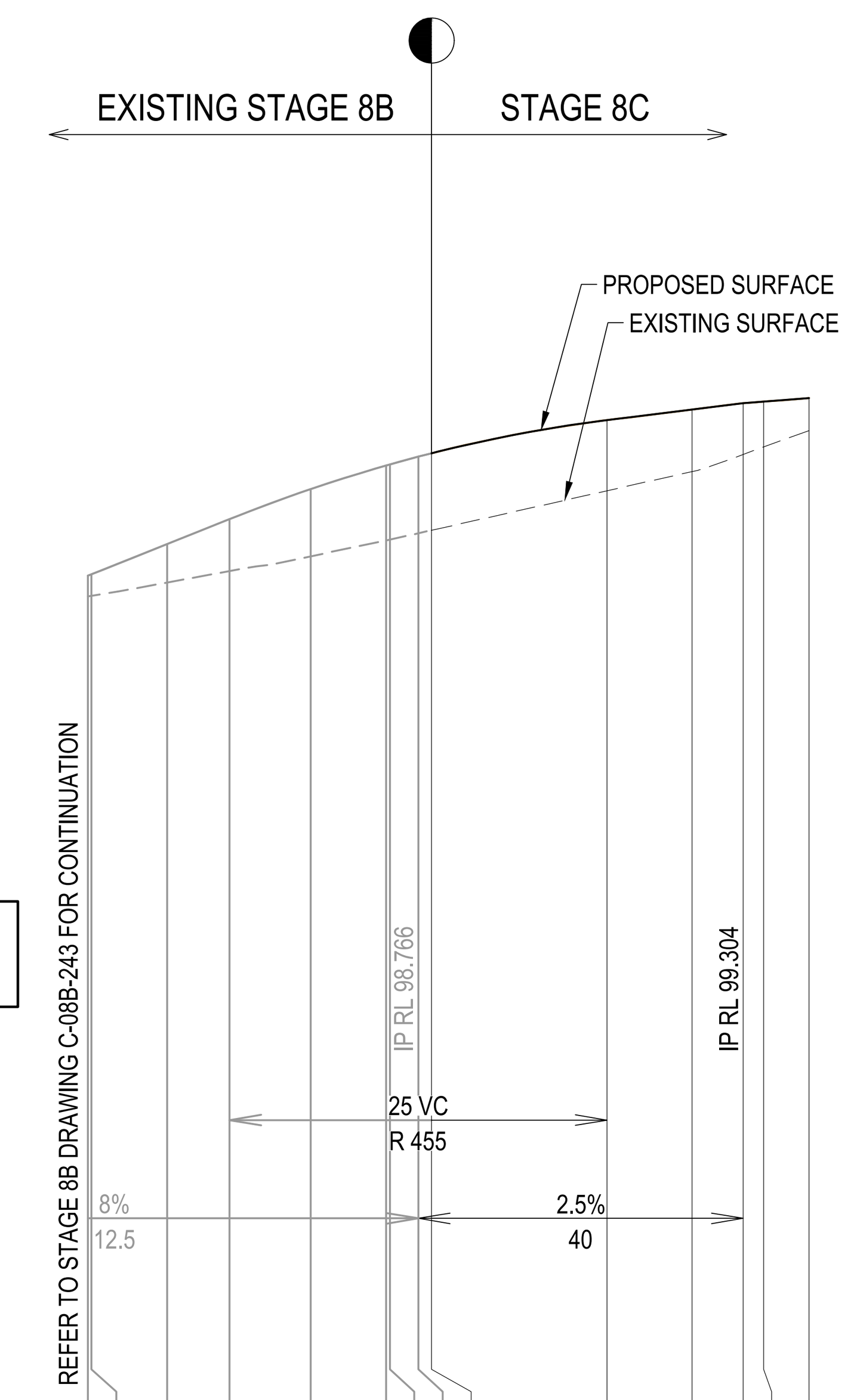


REFER DRAWINGS C-08C-260 TO C-08C-261 FOR KERB RETURN LEVELS

Vertical Curve Length (m)
Vertical Curve Radius (m)
Vertical Grade (%)
Vertical Grade (1 in ...)
Horizontal Curve Radius (m)

DATUM RL.88.000

PEGGED CHAINAGE	DESIGN LEVELS ON ROAD CONTROL LINE	DESIGN LIP OF KERB (LHS)	DESIGN LIP OF KERB (RHS)	EXISTING SURFACE ON ROAD CENTRELINE	CUT / FILL DEPTH
0.000	99.369	99.479	—	98.940	0.429
3.019	99.414	99.524	—	99.129	0.285
12.566	99.557	99.667	—	99.453	0.105
15.566	99.602	99.712	—	99.467	0.136
16.916	99.623	99.732	99.513	99.473	0.149
20.000	99.669	99.779	99.559	99.488	0.181
26.066	99.760	99.870	99.650	99.516	0.243
40.000	99.829	99.939	99.719	99.513	0.316
40.566	99.832	99.942	99.722	99.512	0.320
55.066	99.905	100.015	99.795	99.551	0.354
60.000	99.929	100.039	99.819	99.560	0.370
68.666	99.973	100.083	99.863	99.573	0.399
69.568	99.977	100.087	—	99.575	0.403
80.000	100.029	100.139	—	99.605	0.424
80.566	100.032	100.142	—	99.607	0.425
91.564	100.087	100.197	—	99.665	0.422
92.466	100.092	100.202	99.982	99.670	0.422
100.000	100.129	100.239	100.019	99.710	0.420
102.566	100.142	100.252	100.032	99.714	0.428
115.566	100.207	100.317	100.097	99.726	0.481
120.000	100.185	100.295	100.075	99.733	0.453
128.566	100.142	100.252	100.032	99.745	0.397
136.474	100.024	100.134	99.914	99.767	0.257
137.253	100.004	100.114	—	99.769	0.235
139.973	99.936	100.046	—	99.777	0.159
140.000	99.936	100.045	—	99.777	0.159
150.812	99.665	99.775	—	99.464	0.202
153.533	99.597	99.707	—	99.323	0.274
154.311	99.578	99.688	99.468	99.283	0.295
155.000	99.561	99.664	99.451	99.247	0.313
160.000	99.411	99.464	99.301	98.989	0.422
165.000	99.211	99.214	99.101	98.729	0.482
169.822	98.970	98.925	98.860	98.497	0.473
175.000	98.661	98.564	98.551	98.271	0.389
179.478	98.369	98.259	98.259	98.078	0.291
180.000	98.336	98.226	98.226	98.059	0.276
180.748	98.287	98.177	98.177	98.035	0.252
184.478	98.044	97.934	97.934	97.913	0.132
189.418	97.723	97.613	97.613	97.751	-0.028
194.124	97.444	97.334	97.334	97.597	-0.154
199.124	97.203	97.093	97.093	97.427	-0.223
199.418	97.191	97.081	97.081	97.416	-0.225
200.000	97.167	97.057	97.057	97.396	-0.229
208.624	96.908	96.799	96.799	97.151	-0.242
209.418	96.893	96.783	96.783	97.128	-0.235
220.000	96.703	96.593	96.593	96.862	-0.159



REFER DRAWINGS C-08C-260 TO C-08C-261 FOR KERB RETURN LEVELS

Vertical Curve Length (m)
Vertical Curve Radius (m)
Vertical Grade (%)
Vertical Grade (1 in ...)
Horizontal Curve Radius (m)

DATUM RL.86.000

PEGGED CHAINAGE	DESIGN LEVELS ON ROAD CONTROL LINE	DESIGN LIP OF KERB (LHS)	DESIGN LIP OF KERB (RHS)	EXISTING SURFACE ON ROAD CENTRELINE	CUT / FILL DEPTH
760.000	97.015	96.905	96.905	96.744	0.271
760.244	97.035	96.925	96.925	96.752	0.283
765.244	97.435	97.325	97.325	96.926	0.509
769.383	97.766	97.656	97.656	97.077	0.689
774.744	98.163	98.053	98.053	97.273	0.890
779.744	98.477	98.367	98.367	97.485	0.991
780.000	98.491	98.381	98.381	97.496	0.995
781.883	98.594	98.489	98.484	97.579	1.015
782.744	98.638	98.542	98.528	97.618	1.021
794.383	99.078	99.098	98.968	98.142	0.936
800.000	99.219	99.295	99.109	98.395	0.823
803.394	99.304	99.413	99.194	98.624	0.680
804.744	99.324	99.434	—	98.722	0.602
807.744	99.369	99.479	—	98.940	0.429

CROWLANDS CIRCUIT (MC03) - LONGITUDINAL SECTION

SCALE: HORIZONTAL - 1:500
VERTICAL - 1:100

AS CONSTRUCTED RECORDS

THE OBJECTIVE OF THESE 'AS-CONSTRUCTED DRAWINGS' IS TO REFLECT ANY SIGNIFICANT CHANGES TO THE APPROVED CONSTRUCTION DRAWINGS AND PROVIDE COUNCIL WITH A RECORD OF DESIGN INTENT. ANY LEVELS AND COORDINATES SHOWN ON THESE PLANS ARE SUBJECT TO SURVEY AND WILL DIFFER.
ARCADIS ACCEPT NO RESPONSIBILITY FOR LOSS OR DAMAGES RESULTING FROM THE INTERPRETATION OF THESE DRAWINGS. ALL DETAILS AND ASSETS MUST BE ASCERTAINED AND VERIFIED BY THE END USER.

Issue	Description	By	Ckd	PM	Date
B	AS CONSTRUCTED	WB	ZS	SE	07.10.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	04.12.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	10.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.11.19

100mm on Original

Scale
0 5 10 20 30 40 50m
1 : 500
0 1 2 4 6 8 10m
1 : 100

Planner
RobertsDay planning·design·place
Filename C-08c-241-10029435-RoadLS MC03.dwg

Client
RESIMAX GROUP

Status: AS CONSTRUCTED
Verifier: Z.STROGUSZ
Scales: 1:500 (H) 1:100 (V)
Original Size: A1
Height Datum: AHD
Grid: MGA

Original Issue Signatures
Drawn: W.BUMAGAT
Designed: J.ROCK
Project Manager: S.EISEL

Project: EYNESBURY TOWNSHIP STAGE 8C

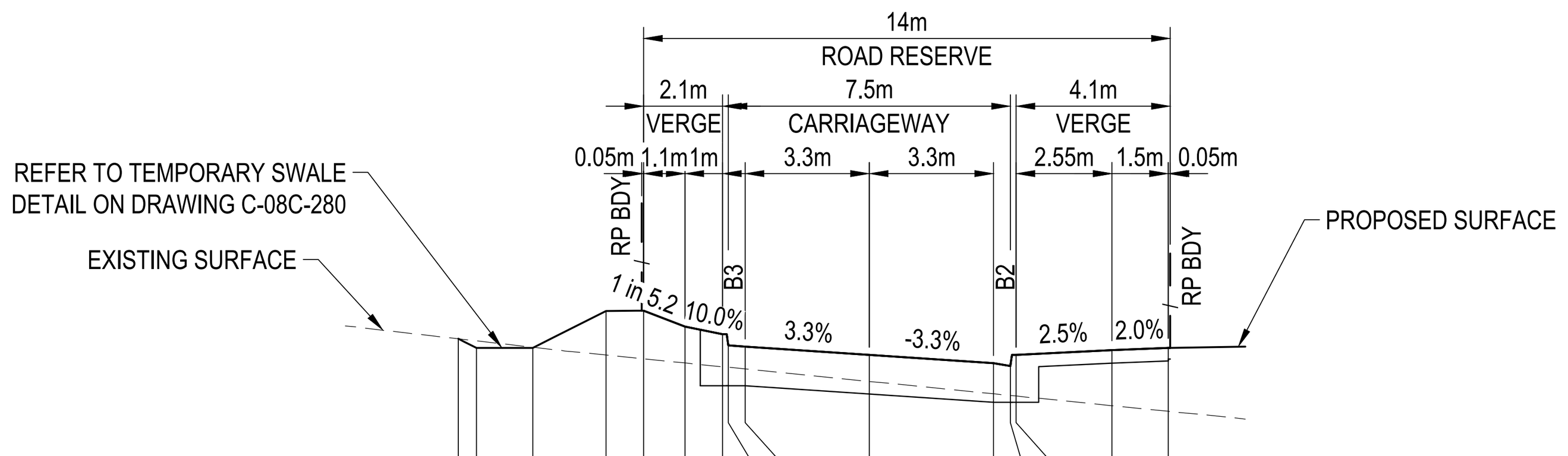
Title: CROWLANDS CIRCUIT ROAD LONGITUDINAL SECTIONS

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 32, 140 William Street
Melbourne VIC 3000
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

Drawing No.	Project No.	Issue
C-08C-241	10029435	B

Last Saved: WBMN1953 Date Plotted: 6 Oct 2021 - 10:06AM File Name: C:\12dSW\data\AUSY01APP04\10029435-Eynesbury_46\D-DigEng\DA-CAD\DAC-Drawings\10029435-08\10029435-08C\c-08c-241-10029435-RoadLS MC03.dwg V1

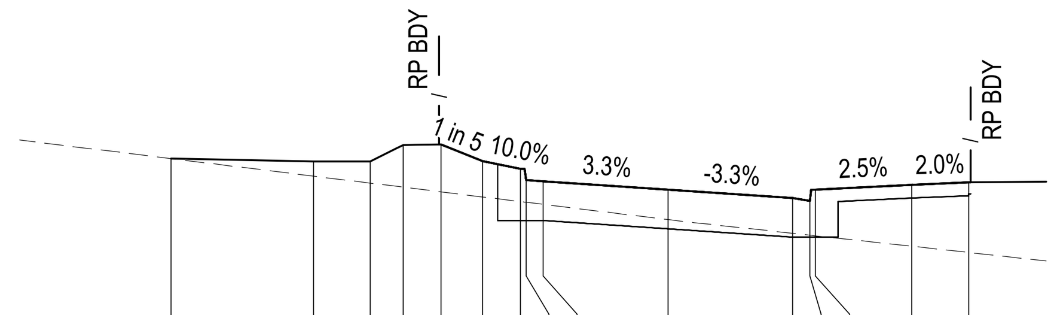
NOTE:
1. FOR GENERAL NOTES, REFER TO DRAWING No. C-08C-002.
2. STRUCTURAL FILL IS REQUIRED WHERE FOOTPATH OR PAVEMENT IS CONSTRUCTED ABOVE EXISTING SURFACE.



DATUM RL 98.00

PROPOSED LEVEL	100.119	99.998	99.998	100.486	100.491	100.280	100.180	100.030	100.015	99.905	99.795	99.755	99.905	99.969	99.999
EXISTING LEVEL	100.12	100.09	100.01	99.90	99.85	99.80	99.75	99.74	99.72	99.55	99.39	99.36	99.36	99.23	99.15
OFFSET	-10.933	-10.451	-8.951	-7.000	-6.000	-4.900	-3.900	-3.750	-3.300	0.000	3.300	3.750	3.900	6.450	7.950

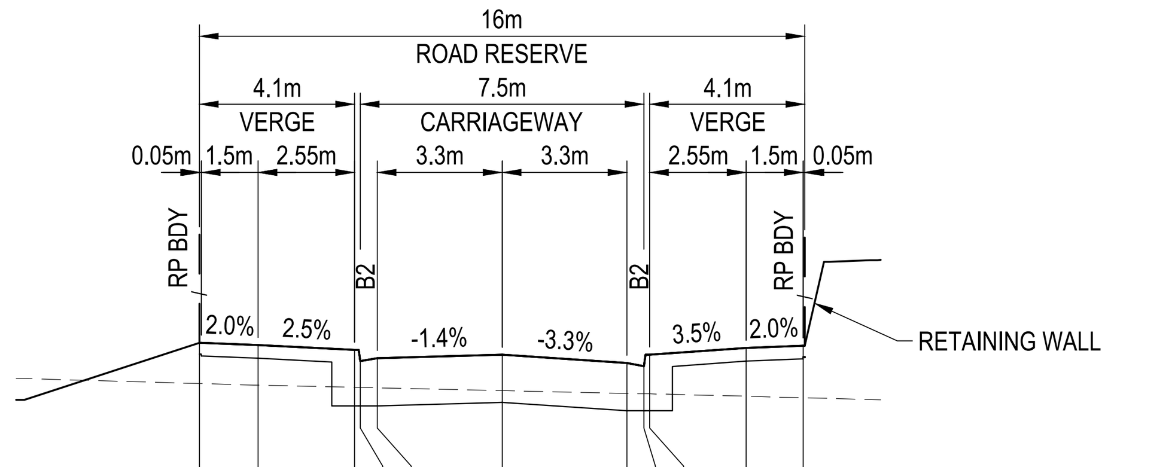
CH 55.066



DATUM RL 98.00

PROPOSED LEVEL	100.551	100.513	100.513	100.731	100.736	100.517	100.417	100.267	100.252	100.142	100.032	99.992	100.142	100.206	100.236
EXISTING LEVEL	100.55	100.32	100.23	100.17	100.11	100.05	99.98	99.97	99.95	99.75	99.56	99.54	99.53	99.39	99.31
OFFSET	-13.137	-9.372	-7.872	-7.000	-6.000	-4.900	-3.900	-3.750	-3.300	0.000	3.300	3.750	3.900	6.450	7.950

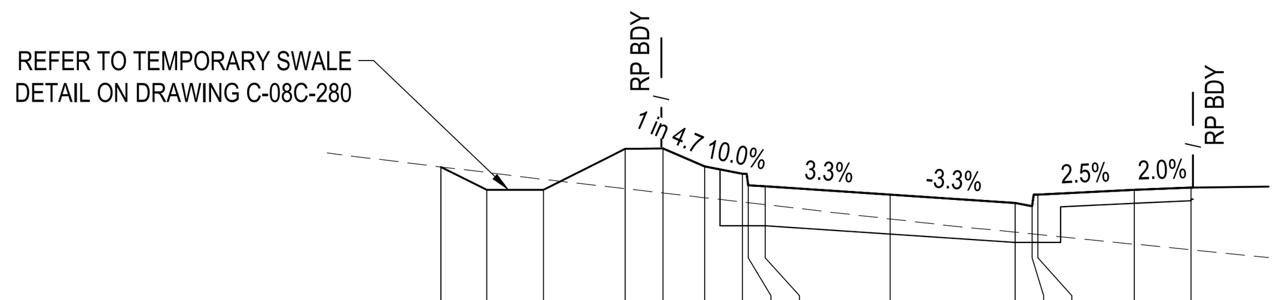
CH 128.566



DATUM RL 97.00

PROPOSED LEVEL	99.129	99.099	99.035	98.885	98.925	98.970	98.860	98.820	98.970	99.060	99.090
EXISTING LEVEL	98.59	98.57	98.54	98.54	98.53	98.50	98.46	98.46	98.45	98.42	98.40
OFFSET	-8.000	-6.450	-3.900	-3.750	-3.300	0.000	3.300	3.750	3.900	6.450	7.950

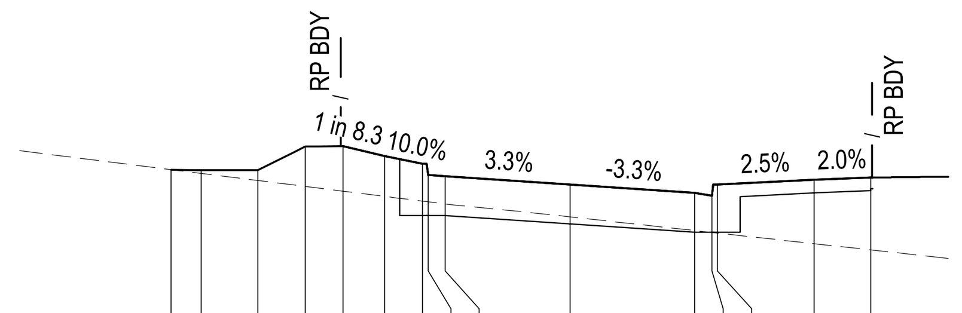
CH 169.822



DATUM RL 98.00

PROPOSED LEVEL	100.199	99.897	99.897	100.438	100.443	100.207	100.107	99.957	99.942	99.832	99.722	99.682	99.832	99.896	99.926
EXISTING LEVEL	100.20	100.13	100.04	99.91	99.86	99.79	99.74	99.73	99.70	99.51	99.34	99.31	99.31	99.18	99.10
OFFSET	-11.873	-10.663	-9.163	-7.000	-6.000	-4.900	-3.900	-3.750	-3.300	0.000	3.300	3.750	3.900	6.450	7.950

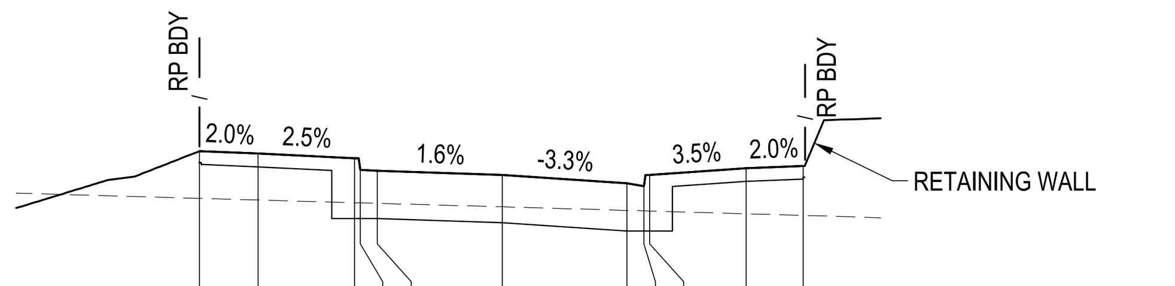
CH 40.566



DATUM RL 98.00

PROPOSED LEVEL	100.339	100.331	100.331	100.644	100.649	100.517	100.417	100.267	100.252	100.142	100.032	99.992	100.142	100.206	100.236
EXISTING LEVEL	100.34	100.29	100.20	100.12	100.05	99.98	99.92	99.91	99.89	99.71	99.53	99.51	99.50	99.36	99.28
OFFSET	-10.547	-9.754	-8.254	-7.000	-6.000	-4.900	-3.900	-3.750	-3.300	0.000	3.300	3.750	3.900	6.450	7.950

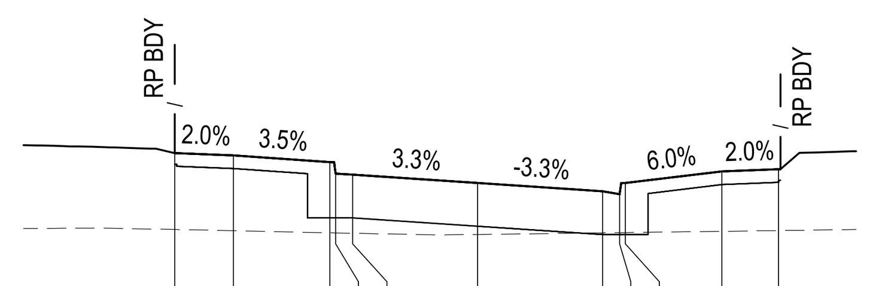
CH 102.566



DATUM RL 97.50

PROPOSED LEVEL	99.722	99.692	99.629	99.479	99.464	99.411	99.301	99.261	99.411	99.500	99.530
EXISTING LEVEL	99.10	99.08	99.04	99.04	99.03	98.99	98.94	98.94	98.93	98.90	98.88
OFFSET	-8.000	-6.450	-3.900	-3.750	-3.300	0.000	3.300	3.750	3.900	6.450	7.950

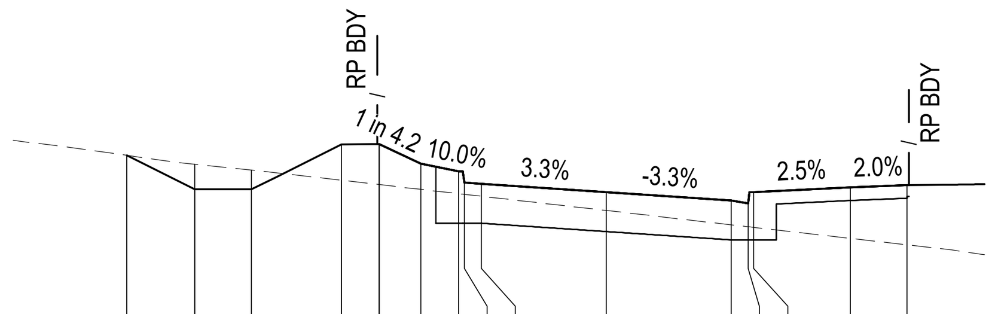
CH 160.000



DATUM RL 97.50

PROPOSED LEVEL	99.698	99.668	99.578	99.428	99.413	99.304	99.194	99.154	99.304	99.457	99.487
EXISTING LEVEL	98.69	98.67	98.65	98.64	98.64	98.62	98.65	98.65	98.65	98.67	98.67
OFFSET	-8.000	-6.450	-3.900	-3.750	-3.300	0.000	3.300	3.750	3.900	6.450	7.950

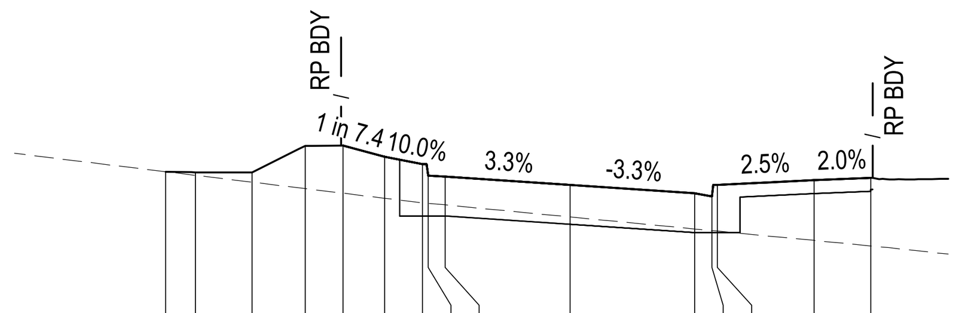
CH 803.394



DATUM RL 97.75

PROPOSED LEVEL	100.245	99.795	99.795	100.389	100.394	100.135	100.035	99.885	99.870	99.760	99.650	99.610	99.760	99.824	99.854
EXISTING LEVEL	100.24	100.13	100.05	99.92	99.86	99.80	99.74	99.73	99.70	99.52	99.33	99.30	99.29	99.15	99.06
OFFSET	-12.674	-10.876	-9.376	-7.000	-6.000	-4.900	-3.900	-3.750	-3.300	0.000	3.300	3.750	3.900	6.450	7.950

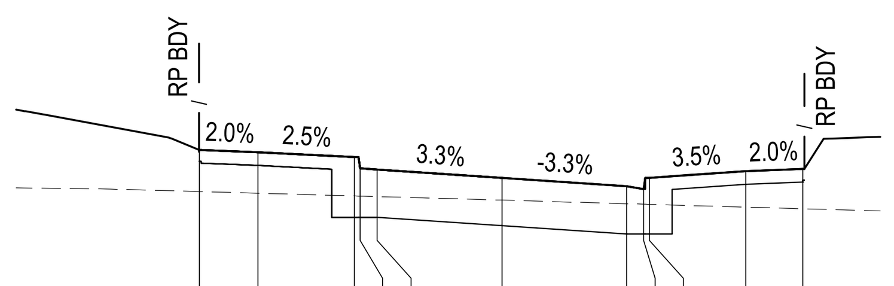
CH 26.066



DATUM RL 98.00

PROPOSED LEVEL	100.268	100.26	100.26	100.611	100.616	100.467	100.367	100.217	100.202	100.092	99.982	99.942	100.092	100.156	100.186
EXISTING LEVEL	100.27	100.22	100.13	100.04	99.98	99.92	99.86	99.85	99.83	99.67	99.51	99.49	99.48	99.36	99.29
OFFSET	-10.686	-9.902	-8.402	-7.000	-6.000	-4.900	-3.900	-3.750	-3.300	0.000	3.300	3.750	3.900	6.450	7.950

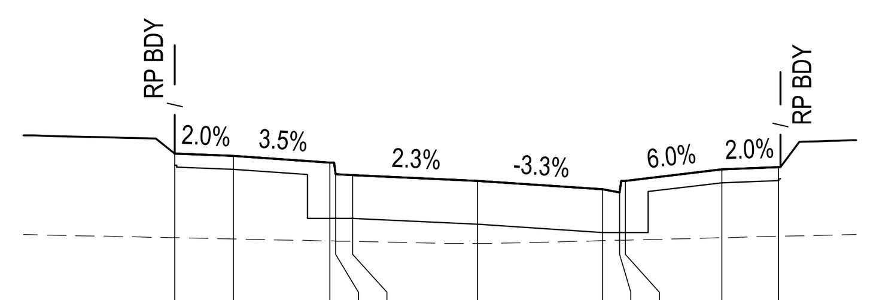
CH 92.466



DATUM RL 97.75

PROPOSED LEVEL	99.946	99.916	99.853	99.703	99.688	99.578	99.468	99.428	99.578	99.667	99.697
EXISTING LEVEL	99.40	99.37	99.34	99.34	99.33	99.28	99.24	99.23	99.23	99.19	99.17
OFFSET	-8.000	-6.450	-3.900	-3.750	-3.300	0.000	3.300	3.750	3.900	6.450	7.950

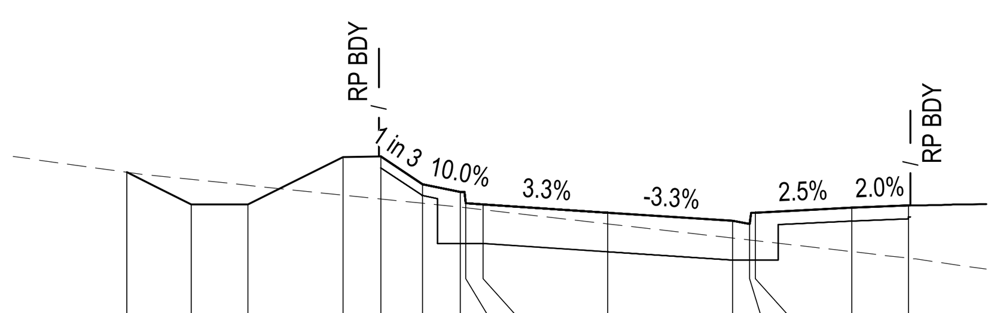
CH 154.311



DATUM RL 97.25

PROPOSED LEVEL	99.579	99.549	99.460	99.310	99.295	99.219	99.109	99.069	99.219	99.372	99.402
EXISTING LEVEL	98.47	98.45	98.43	98.43	98.42	98.40	98.43	98.44	98.44	98.47	98.49
OFFSET	-8.000	-6.450	-3.900	-3.750	-3.300	0.000	3.300	3.750	3.900	6.450	7.950

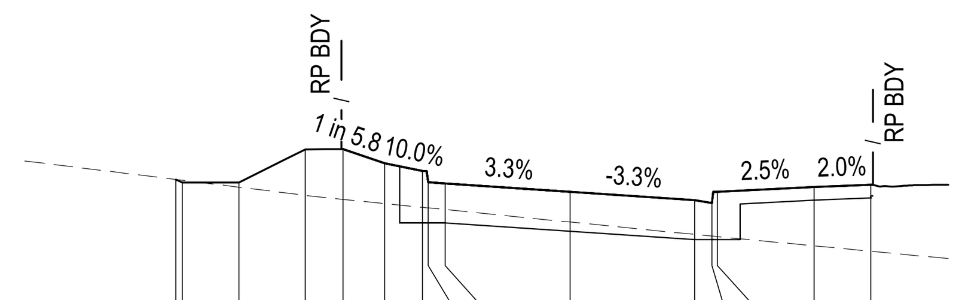
CH 800.000



DATUM RL 97.75

PROPOSED LEVEL	100.157	99.731	99.731	100.359	100.364	99.997	99.897	99.747	99.732	99.623	99.513	99.473	99.623	99.686	99.716
EXISTING LEVEL	100.16	100.06	99.98	99.85	99.80	99.75	99.69	99.69	99.66	99.47	99.29	99.26	99.25	99.11	99.02
OFFSET	-12.713	-11.010	-9.510	-7.000	-6.000	-4.900	-3.900	-3.750	-3.300	0.000	3.300	3.750	3.900	6.450	7.950

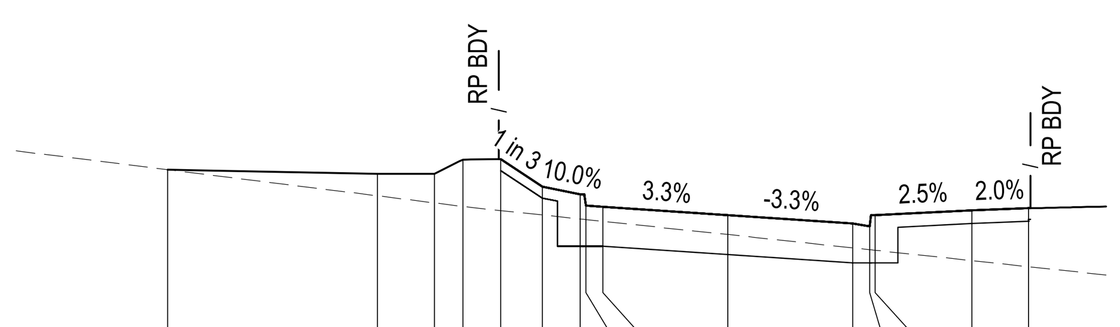
CH 16.916



DATUM RL 98.00

PROPOSED LEVEL	100.135	100.094	100.094	100.531	100.536	100.348	100.248	100.098	100.083	99.973	99.863	99.823	99.973	100.037	100.067
EXISTING LEVEL	100.13	100.12	100.03	99.93	99.87	99.82	99.77	99.76	99.74	99.57	99.41	99.39	99.38	99.26	99.19
OFFSET	-10.417	-10.251	-8.751	-7.000	-6.000	-4.900	-3.900	-3.750	-3.300	0.000	3.300	3.750	3.900	6.450	7.950

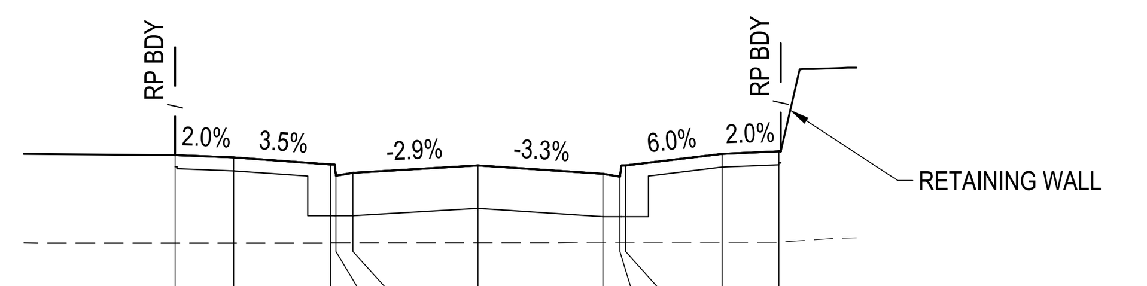
CH 68.666



DATUM RL 98.00

PROPOSED LEVEL	100.624	100.568	100.568	100.757	100.762	100.399	100.299	100.149	100.134	100.024	99.914	99.874	100.024	100.087	100.117
EXISTING LEVEL	100.62	100.28	100.19	100.14	100.08	100.03	99.97	99.96	99.94	99.77	99.59	99.57	99.56	99.42	99.34
OFFSET	-14.809	-9.256	-7.756	-7.000	-6.000	-4.900	-3.900	-3.750	-3.300	0.000	3.300	3.750	3.900	6.450	7.950

CH 136.474



DATUM RL 96.50

PROPOSED LEVEL	98.771	98.741	98.652	98.502	98.542	98.638	98.528	98.488	98.638	98.791	98.821
EXISTING LEVEL	97.61	97.61	97.61	97.62	97.62	97.62	97.62	97.62	97.62	97.62	97.62
OFFSET	-8.000	-6.450	-3.900	-3.750	-3.300	0.000	3.300	3.750	3.900	6.450	7.950

CH 782.744

AS CONSTRUCTED RECORDS

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CROWLANDS CIRCUIT (MC03) - CROSS SECTIONS

SCALE 1:200 HORI.
1:100 VERT.

Issue	Description	By	Ckd	PM	Date
C	AS CONSTRUCTED	WB	ZS	SE	07.10.21
B	UPDATES TO LOT 8138	WB	ZS	SE	12.08.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	04.12.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	03.08.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	10.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.11.19

100mm on Original

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

Planner
RobertsDay planning·design·place

Filename C-08c-242-10029435-RoadXS MC03.dwg

Client
RESIMAX GROUP

Status: AS CONSTRUCTED
Verifier: Z.STROGUSZ
Scales: 1:200 (H) 1:100 (V)
Original Size: A1
Height Datum: AHD
Grid: MGA

Original Issue Signatures
Drawn: W.BUMAGAT
Designed: J.ROCK
Project Manager: S.EISEL

Project
EYNESBURY TOWNSHIP STAGE 8C

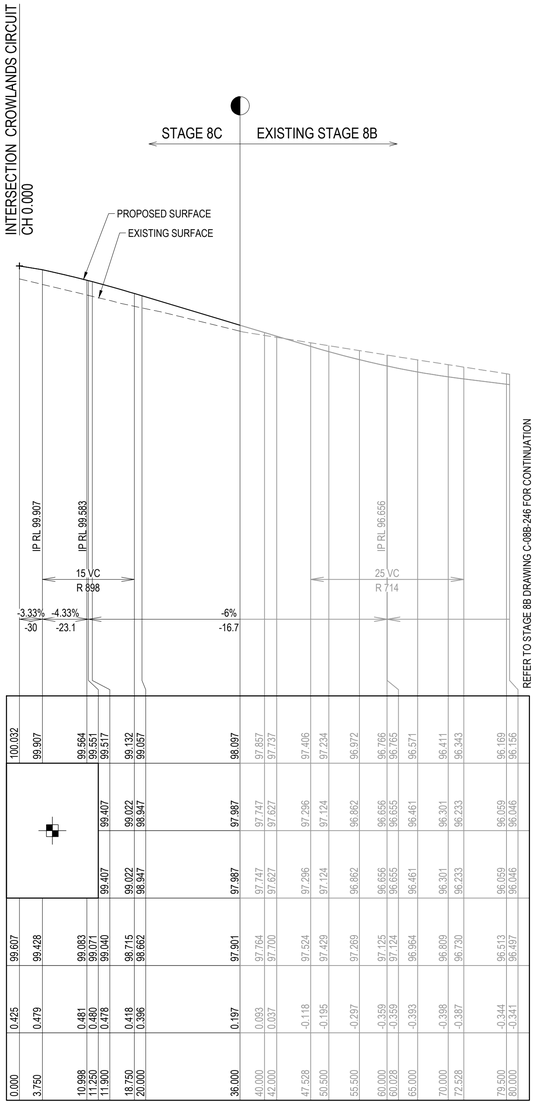
Title
CROWLANDS CIRCUIT ROAD CROSS SECTIONS

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 32, 140 William Street
Melbourne VIC 3000
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

Drawing No.	Project No.	Issue
C-08C-242	10029435	C

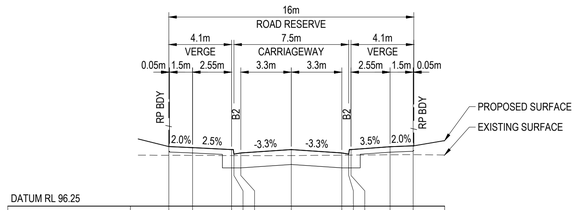
Last Saved: WBMN1953 Date Plotted: 6 Oct 2021 - 10:15AM File Name: C:\12dSW\data\AUSY01APP04\10029435-Eynesbury_46\D-DigEng\DA-CAD\DAC-Drawings\10029435-08\10029435-08C\c-08c-242-10029435-RoadXS MC03.dwg V1

NOTE:
1. FOR GENERAL NOTES, REFER TO DRAWING No. C-08C-002.
2. STRUCTURAL FILL IS REQUIRED WHERE FOOTPATH OR PAVEMENT IS CONSTRUCTED ABOVE EXISTING SURFACE.



AMPHITHEATRE STREET (MC04) - LONGITUDINAL SECTION

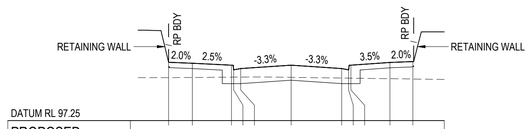
SCALE: HORIZONTAL - 1:500
VERTICAL - 1:100



DATUM RL 96.25

PROPOSED LEVEL	98.191	98.161	98.097	97.947	97.987	98.097	97.987	97.947	98.097	98.187	98.217
EXISTING LEVEL	97.91	97.91	97.90	97.90	97.90	97.90	97.91	97.92	97.92	97.93	97.93
OFFSET	-8.000	-6.450	-3.900	-3.750	-3.300	0.000	3.300	3.750	3.900	6.450	7.950

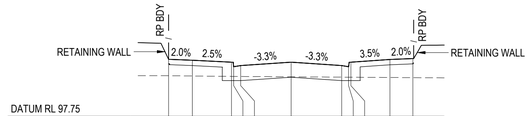
CH 36.000



DATUM RL 97.25

PROPOSED LEVEL	99.151	99.121	99.057	98.907	98.947	99.057	98.947	98.907	99.057	99.147	99.177
EXISTING LEVEL	98.65	98.66	98.67	98.67	98.67	98.66	98.64	98.64	98.63	98.62	98.61
OFFSET	-8.000	-6.450	-3.900	-3.750	-3.300	0.000	3.300	3.750	3.900	6.450	7.950

CH 20.000



DATUM RL 97.75

PROPOSED LEVEL	99.611	99.381	99.517	99.367	99.407	99.517	99.407	99.367	99.517	99.607	99.637
EXISTING LEVEL	99.08	99.07	99.05	99.05	99.05	99.04	99.03	99.03	99.03	99.02	99.01
OFFSET	-8.000	-6.450	-3.900	-3.750	-3.300	0.000	3.300	3.750	3.900	6.450	7.950

CH 11.900

AMPHITHEATRE STREET (MC04) - CROSS SECTIONS

SCALE 1:200 HORI.
1:100 VERT.

AS CONSTRUCTED RECORDS

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Issue	Description	By	Ckd	PM	Date
B	AS CONSTRUCTED	WB	ZS	SE	07.10.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	04.12.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	03.08.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	10.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.11.19

100mm on Original

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

Planner
RobertsDay planning·design·place
Filename C-08c-243-10029435-RoadLS-XS MC04.dwg

Client
RESIMAX GROUP

Status: AS CONSTRUCTED
Verifier: Z.STROGUSZ
Scales: AS SHOWN
Original Size: A1
Height Datum: AHD
Grid: MGA
Original Issue Signatures
Drawn W.BUMAGAT
Designed J.ROCK
Project Manager S.EISEL

Project: EYNESBURY TOWNSHIP STAGE 8C
Title: AMPHITHEATRE STREET ROAD LONGITUDINAL AND CROSS SECTIONS

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 32, 140 William Street
Melbourne VIC 3000
ABN 76 104 485 289
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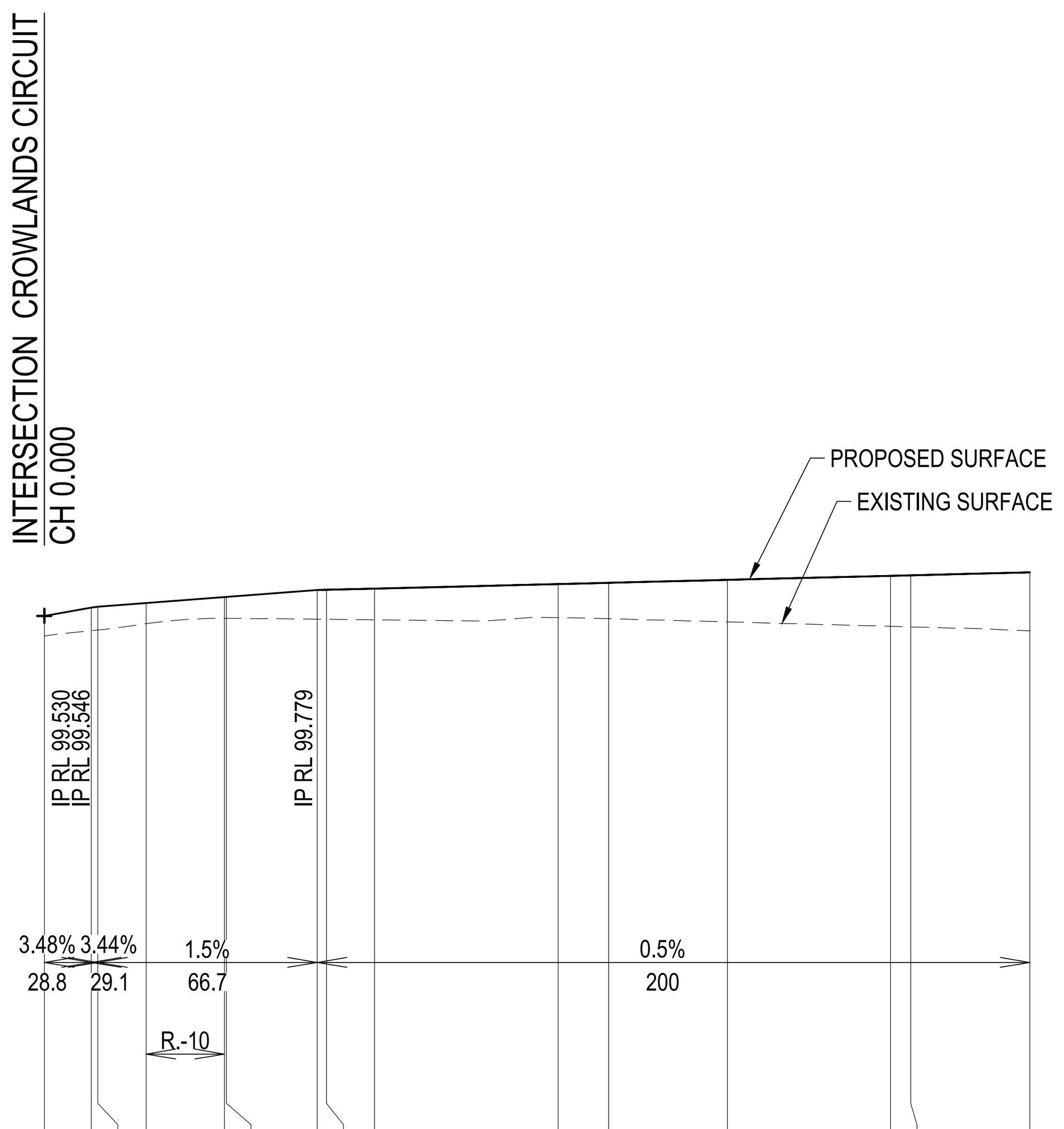
www.arcadis.com

Drawing No. C-08C-243 — Project No. 10029435 — Issue B

Last Saved: WBMN1953 Date Plotted: 6 Oct 2021 - 10:20AM File Name: V1
C:\12dSW\data\AUSY01APP04\10029435-Eynesbury_46\D-DigEng\DA-CAD\DAC-Drawings\10029435-08\10029435-08C\c-08c-243-10029435-RoadLS-XS MC04.dwg

NOTE:
1. FOR GENERAL NOTES, REFER TO DRAWING No. C-08C-002.
2. STRUCTURAL FILL IS REQUIRED WHERE FOOTPATH OR PAVEMENT IS CONSTRUCTED ABOVE EXISTING SURFACE.

REFER DRAWINGS C-08C-260 TO C-08C-261 FOR KERB RETURN LEVELS



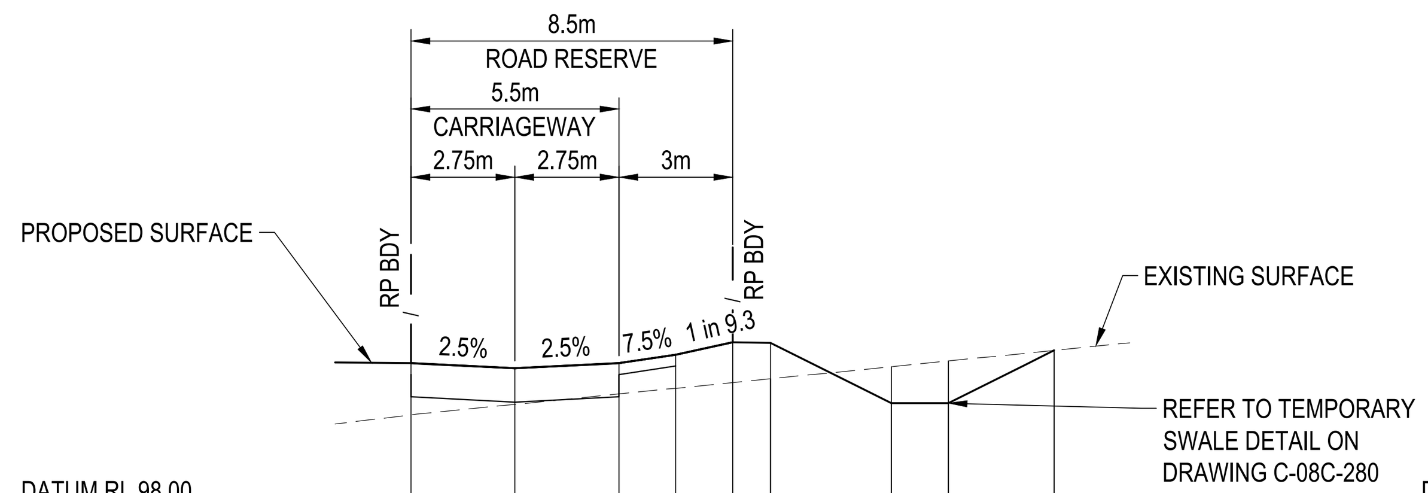
Vertical Curve Length (m)
Vertical Curve Radius (m)
Vertical Grade (%)
Vertical Grade (1 in ...)
Horizontal Curve Radius (m)

DATUM RL.92.000

DESIGN LEVELS ON ROAD CONTROL LINE	99.414	99.530	99.546	99.597	99.680	99.683	99.779	99.782	99.800	99.865	99.882	99.925	99.982	99.990	100.032
DESIGN EDGE OF PAVEMENT (LHS)					99.749	99.752	99.848	99.851	99.868	99.933	99.951	99.993	100.051	100.058	100.101
DESIGN EDGE OF PAVEMENT (RHS)					99.749	99.752	99.848	99.851	99.868	99.933	99.951	99.993	100.051	100.058	100.101
EXISTING SURFACE ON ROAD CENTRELINE	99.129	99.206	99.215	99.304	99.381	99.380	99.367	99.365	99.358	99.389	99.374	99.329	99.266	99.258	99.200
CUT / FILL DEPTH	0.285	0.324	0.331	0.294	0.300	0.302	0.412	0.417	0.441	0.475	0.508	0.596	0.717	0.731	0.832
PEGGED CHAINAGE	0.000	3.338	3.791	7.226	12.770	12.925	19.348	20.000	23.425	36.425	40.000	48.425	60.000	61.425	69.884

NUGGETTY LANE (MC11) - LONGITUDINAL SECTION

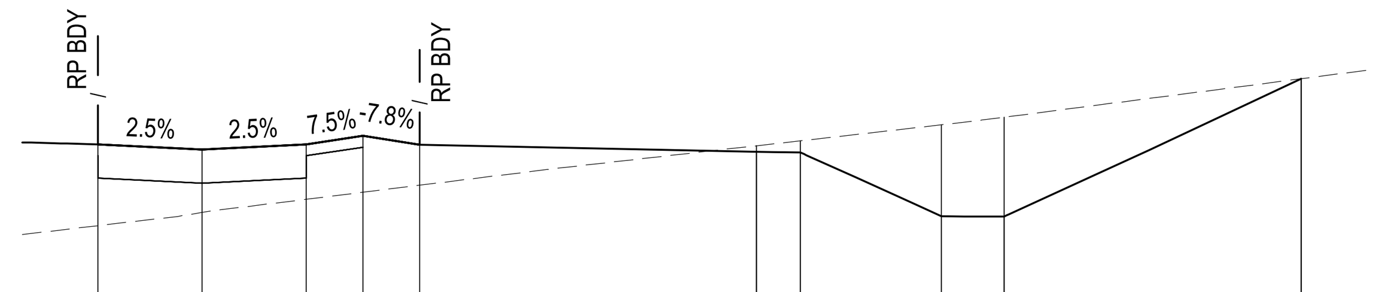
SCALE: HORIZONTAL - 1:500
VERTICAL - 1:100



DATUM RL 98.00

PROPOSED LEVEL	99.933	99.865	99.933	100.046	100.208	100.203	99.403	99.403	100.102
EXISTING LEVEL	99.25	99.39	99.53	99.60	99.68	99.73	99.89	99.96	100.1
OFFSET	-2.750	0.000	2.750	4.250	5.750	6.750	9.948	11.448	14.241

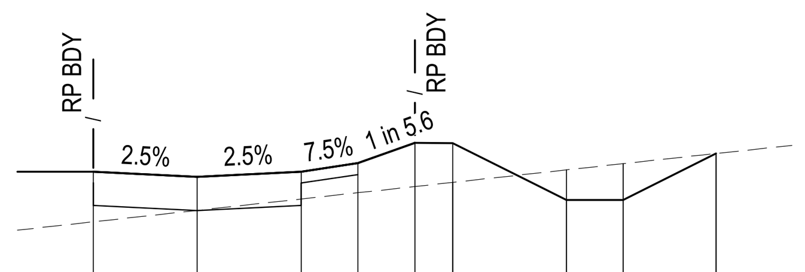
CH 36.425



DATUM RL 97.75

PROPOSED LEVEL	100.101	100.032	100.101	100.213	100.096	100.002	99.993	99.150	99.145	100.966
EXISTING LEVEL	99.03	99.20	99.37	99.47	99.56	100.08	100.15	100.36	100.46	100.97
OFFSET	-2.750	0.000	2.750	4.250	5.750	14.652	15.807	19.536	21.190	29.043

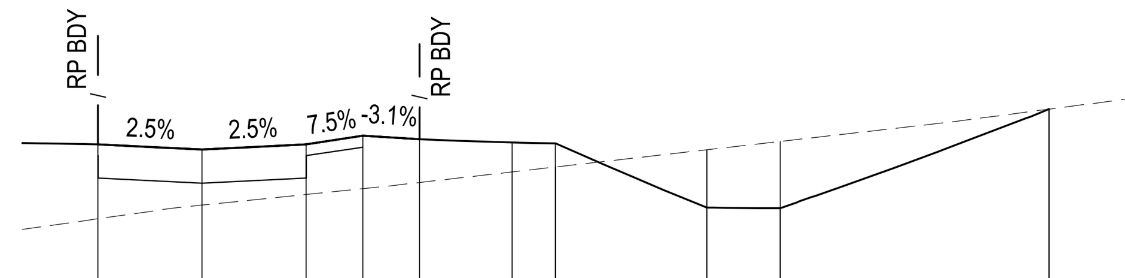
CH 69.884



DATUM RL 98.00

PROPOSED LEVEL	99.868	99.800	99.868	99.981	100.251	100.246	99.494	99.494	100.109
EXISTING LEVEL	99.21	99.36	99.51	99.59	99.67	99.73	99.89	99.97	100.11
OFFSET	-2.750	0.000	2.750	4.250	5.750	6.750	9.757	11.257	13.715

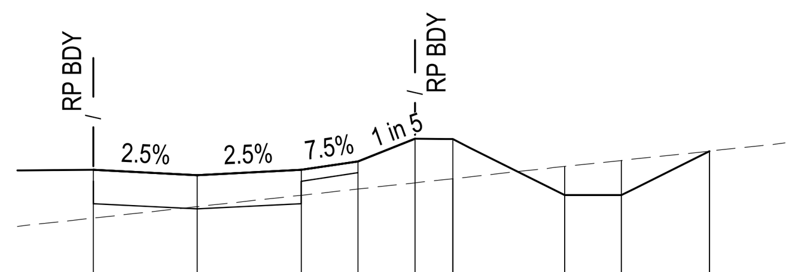
CH 23.425



DATUM RL 97.75

PROPOSED LEVEL	100.058	99.990	100.058	100.171	100.124	100.082	100.072	99.223	99.214	100.522
EXISTING LEVEL	99.08	99.26	99.40	99.48	99.56	99.70	99.76	99.99	100.10	100.52
OFFSET	-2.750	0.000	2.750	4.250	5.750	8.195	9.343	13.341	15.285	22.383

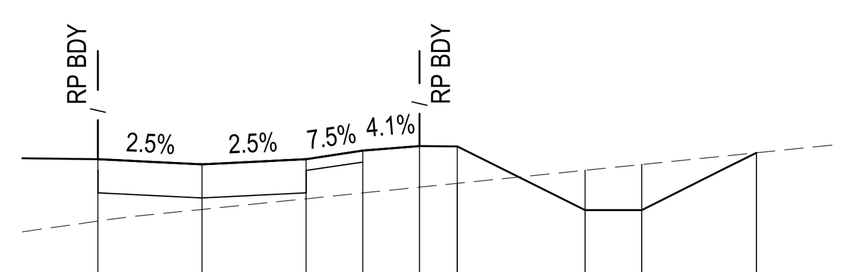
CH 61.425



DATUM RL 98.00

PROPOSED LEVEL	99.851	99.782	99.851	99.964	100.262	100.257	99.518	99.518	100.1
EXISTING LEVEL	99.21	99.37	99.52	99.60	99.68	99.74	99.9	99.98	100.1
OFFSET	-2.750	0.000	2.750	4.250	5.750	6.750	9.707	11.207	13.532

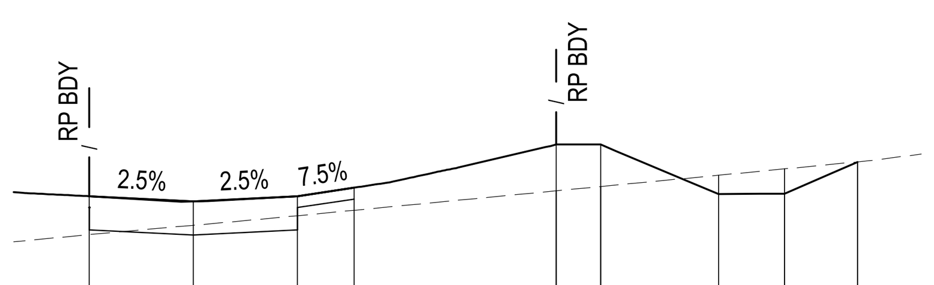
CH 20.000



DATUM RL 98.00

PROPOSED LEVEL	99.993	99.925	99.993	100.106	100.168	100.163	99.319	99.319	100.078
EXISTING LEVEL	99.17	99.33	99.47	99.55	99.62	99.67	99.85	99.92	100.08
OFFSET	-2.750	0.000	2.750	4.250	5.750	6.750	10.124	11.624	14.658

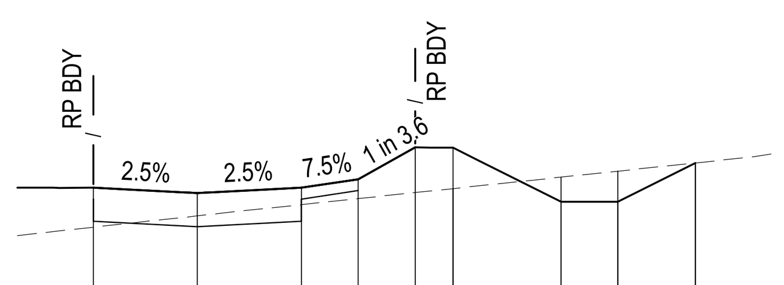
CH 48.425



DATUM RL 98.00

PROPOSED LEVEL	99.640	99.571	99.640	99.753	100.326	100.323	99.667	99.674	100.094
EXISTING LEVEL	99.13	99.26	99.38	99.45	99.71	99.77	99.92	100	100.09
OFFSET	-2.750	0.000	2.750	4.250	9.596	10.772	13.883	15.631	17.557

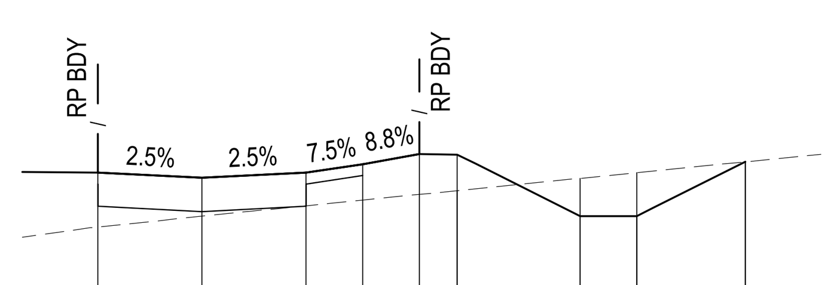
CH 5.496



DATUM RL 98.00

PROPOSED LEVEL	99.752	99.683	99.752	99.864	100.286	100.281	99.568	99.568	100.08
EXISTING LEVEL	99.23	99.38	99.53	99.61	99.69	99.74	99.89	99.97	100.08
OFFSET	-2.750	0.000	2.750	4.250	5.750	6.750	9.603	11.103	13.151

CH 12.925



DATUM RL 98.00

PROPOSED LEVEL	99.951	99.882	99.951	100.064	100.196	100.191	99.378	99.378	100.095
EXISTING LEVEL	99.23	99.37	99.51	99.59	99.66	99.71	99.88	99.95	100.09
OFFSET	-2.750	0.000	2.750	4.250	5.750	6.750	10.000	11.500	14.366

CH 40.000

NUGGETTY LANE (MC11) - CROSS SECTIONS

SCALE 1:200 HORI.
1:100 VERT.

AS CONSTRUCTED RECORDS

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Issue	Description	By	Ckd	PM	Date
B	AS CONSTRUCTED	WB	ZS	SE	07.10.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	04.12.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	03.08.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	10.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.11.19

100mm on Original

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

Planner
RobertsDay planning·design·place

Filename C-08c-244-10029435-RoadLS-XS MC11.dwg

Client
RESIMAX GROUP

Status: AS CONSTRUCTED
Verifier: Z.STROGUSZ
Scales: AS SHOWN
Original Size: A1
Height Datum: AHD
Grid: MGA

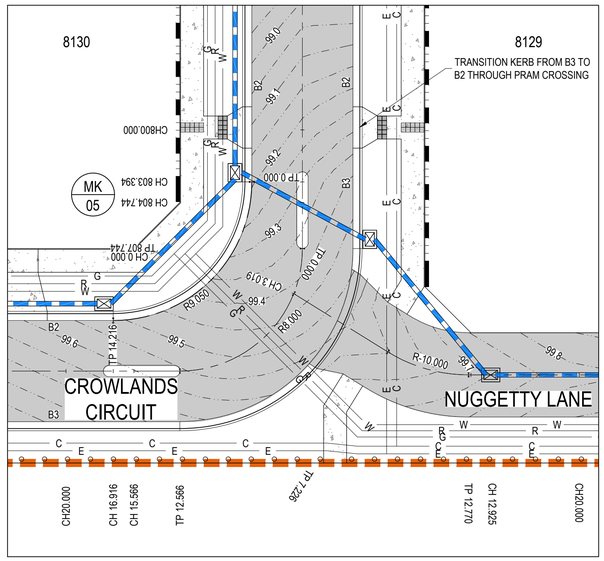
Original Issue Signatures
Drawn: W.BUMAGAT
Designed: J.ROCK
Project Manager: S.EISEL

Project
EYNESBURY TOWNSHIP
STAGE 8C

Title
NUGGETTY LANE ROAD
LONGITUDINAL AND
CROSS SECTIONS

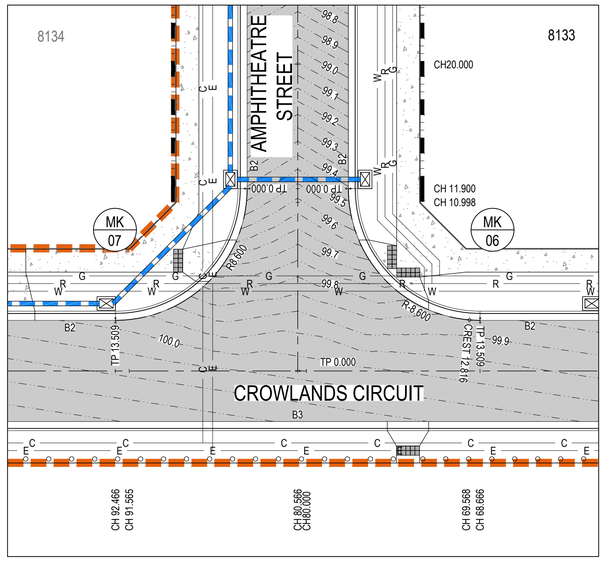
ARCADIS
Arcadis Australia Pacific Pty Limited
Level 32, 140 William Street
Melbourne VIC 3000
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

Drawing No. C-08C-244 — Project No. 10029435 — Issue B



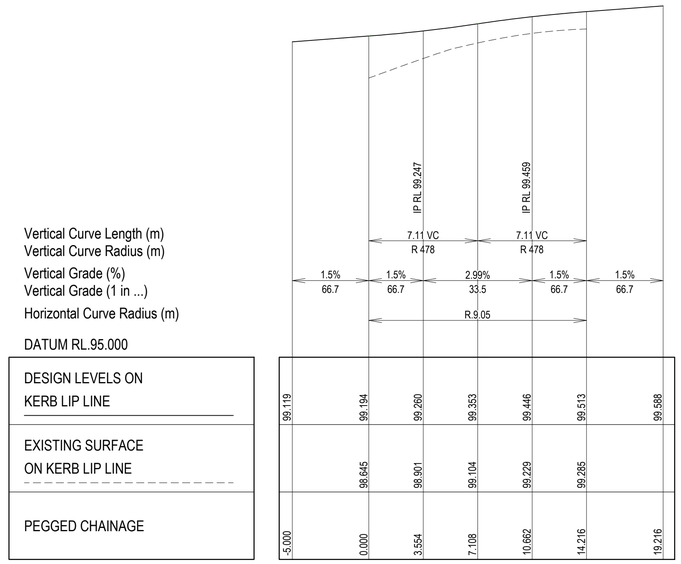
CROWLANDS CIRCUIT - NUGGETTY LANE INTERSECTION DETAIL

SCALE 1:200



CROWLANDS CIRCUIT - AMPHITHEATRE STREET INTERSECTION DETAIL

SCALE 1:200



MK05 - LONGITUDINAL SECTION

SCALE: HORIZONTAL - 1:200
VERTICAL - 1:40

CONTROL LINE SETOUT TABLE - MK05

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RADIUS	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283690.341	5814245.827	99.194	209°57'20.00"			
IP 2	7.108	283685.822	5814237.986	99.353		R = 9.050	14.216	90°00'00.00"
IP 3	14.216	283677.981	5814242.505	99.513	299°57'20.00"			

AS CONSTRUCTED RECORDS

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LEGEND

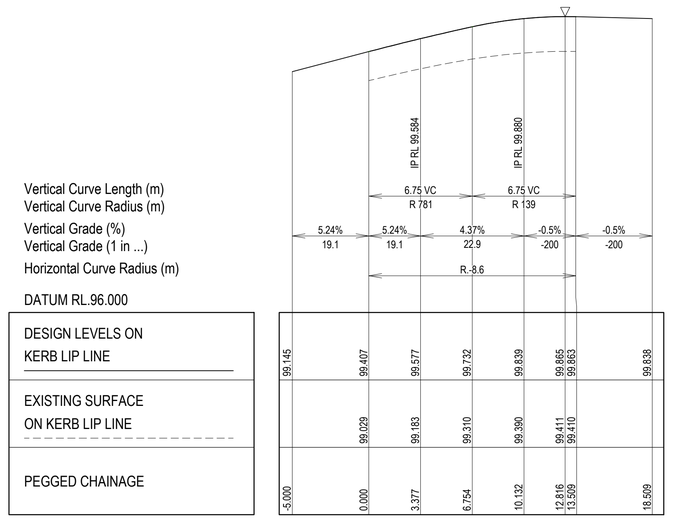
- STAGE BOUNDARY
- 5.0 — PROPOSED SURFACE CONTOURS
- PROPOSED KERB & CHANNEL
- PROPOSED STORMWATER DRAINAGE
- S — PROPOSED SEWERAGE RETICULATION
- PROPOSED ROAD PAVEMENT
- PROPOSED CONCRETE FOOTPATH/DRIVEWAY
- W — PROPOSED WATER RETICULATION
- R — PROPOSED RECYCLED WATER RETICULATION
- E — PROPOSED ELECTRICITY UNDER GROUND
- C — PROPOSED COMMUNICATIONS
- G — PROPOSED GAS RETICULATION
- BOLLARD
- SWD — EXISTING STORMWATER DRAINAGE
- S — EXISTING SEWER RETICULATION
- W — EXISTING WATER RETICULATION
- R — EXISTING RECYCLED WATER RETICULATION
- e — EXISTING ELECTRICITY UNDER GROUND
- T — EXISTING COMMUNICATIONS
- g — EXISTING GAS RETICULATION

NOTES:

1. REFER TO SHEET C-08C-002 FOR GENERAL NOTES.

CONTROL LINE SETOUT TABLE - MK06

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RADIUS	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283629.987	5814280.090	99.407	209°57'20.00"			
IP 2	6.754	283625.693	5814272.639	99.732		R = -8.600	13.509	90°00'00.00"
IP 3	13.509	283633.144	5814268.345	99.863	119°57'20.00"			

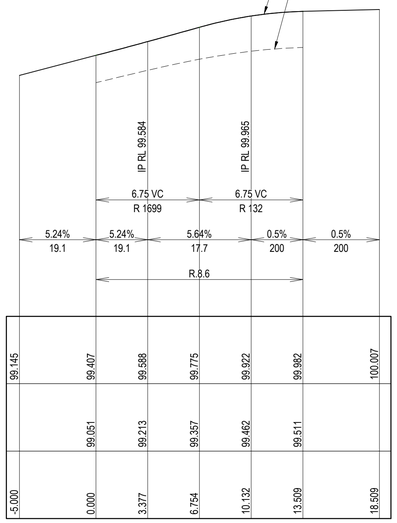


MK06 - LONGITUDINAL SECTION

SCALE: HORIZONTAL - 1:200
VERTICAL - 1:40

CONTROL LINE SETOUT TABLE - MK07

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RADIUS	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283624.269	5814283.386	99.407	209°57'20.00"			
IP 2	6.754	283619.974	5814275.935	99.775		R = 8.600	13.509	90°00'00.00"
IP 3	13.509	283612.523	5814280.229	99.982	299°57'20.00"			



MK07 - LONGITUDINAL SECTION

SCALE: HORIZONTAL - 1:200
VERTICAL - 1:40

Issue	Description	By	Ckd	PM	Date
B	AS CONSTRUCTED	WB	ZS	SE	07.10.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	04.12.20
04	UPDATES TO ADDRESS COUNCIL COMMENTS	HP	ZS	SE	19.08.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	03.08.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	10.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.11.19

100mm on Original

Scale

0 5 10 15 20m
1 : 200
0 1 2 3 4m
1 : 40

Planner: RobertsDay planning·design·place

Filename C-08c-260-10029435-Intersection.dwg

Client: RESIMAX GROUP

Status: AS CONSTRUCTED

Verifier: Z.STROGUSZ

		Original Issue Signatures	
Scales	1:200 1:40	Drawn W.BUMAGAT	
Original Size	A1	Designed J.ROCK	
Height Datum	AHD	Project Manager S.EISEL	
Grid	MGA	© Copyright reserved	

Project: EYNESBURY TOWNSHIP STAGE 8C

Title: INTERSECTION DETAILS SHEET 1 OF 2

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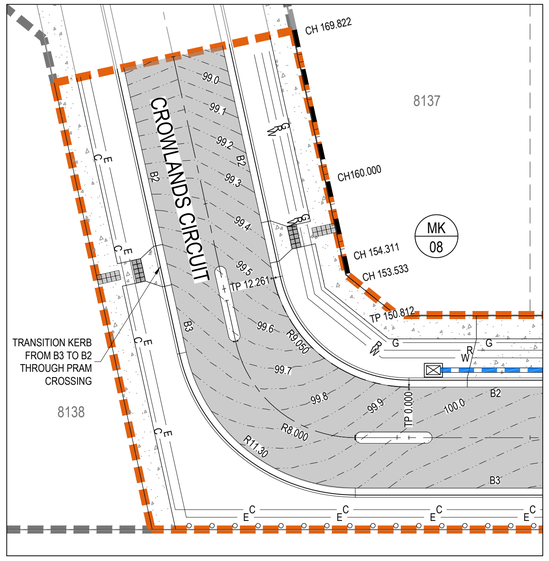
Drawing No.	Project No.	Issue
C-08C-260	10029435	B

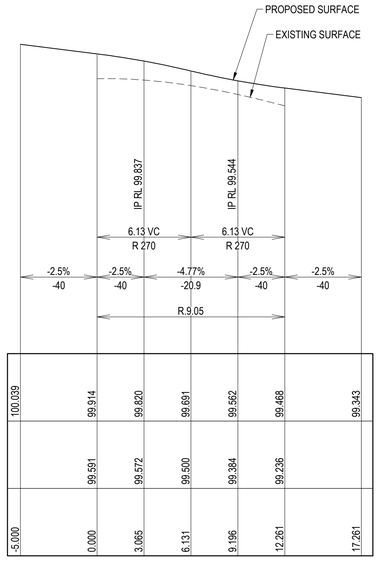
Last Saved: WBMN1953 Date Plotted: 6 Oct 2021 - 10:24AM File Name: C:\12dSW\data\AUSY01APP04\10029435-Eynesbury_46\D-DigEng\DA-CAD\DAC-Drawings\10029435-08\10029435-08C\c-08c-260-10029435-Intersection.dwg V1



CROWLANDS CIRCUIT BEND DETAIL
SCALE 1:200

Vertical Curve Length (m)
Vertical Curve Radius (m)
Vertical Grade (%)
Vertical Grade (1 in ...)
Horizontal Curve Radius (m)
DATUM RL.96.000

DESIGN LEVELS ON KERB LIP LINE
EXISTING SURFACE ON KERB LIP LINE
PEGGED CHAINAGE



MK08 - LONGITUDINAL SECTION
SCALE: HORIZONTAL - 1:200
VERTICAL - 1:40

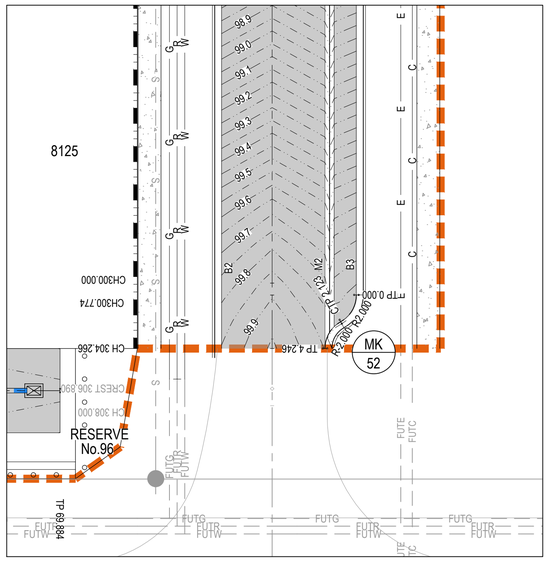
CONTROL LINE SETOUT TABLE - MK08

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RADIUS	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283574.394	5814302.203	99.914	299°57'20.00"			
IP 2	6.131	283568.087	5814305.838	99.691		R = 9.050	12.261	77°37'30.42"
IP 3	12.261	283570.286	5814312.778	99.468	17°34'50.42"			

LEGEND

- STAGE BOUNDARY
- 5.0 — PROPOSED SURFACE CONTOURS
- PROPOSED KERB & CHANNEL
- PROPOSED STORMWATER DRAINAGE
- S — PROPOSED SEWERAGE RETICULATION
- 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
- BOLLARD
- SWD — EXISTING STORMWATER DRAINAGE
- S — EXISTING SEWER RETICULATION
- W — EXISTING WATER RETICULATION
- R — EXISTING RECYCLED WATER RETICULATION
- e — EXISTING ELECTRICITY UNDER GROUND
- T — EXISTING COMMUNICATIONS
- g — EXISTING GAS RETICULATION

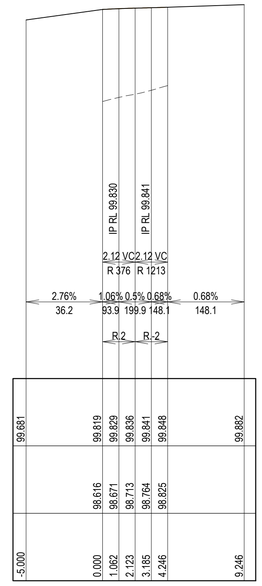
NOTES:
1. REFER TO SHEET C-08C-002 FOR GENERAL NOTES.



CROWLANDS CIRCUIT BEND DETAIL
SCALE 1:200

Vertical Curve Length (m)
Vertical Curve Radius (m)
Vertical Grade (%)
Vertical Grade (1 in ...)
Horizontal Curve Radius (m)
DATUM RL.95.000

DESIGN LEVELS ON KERB LIP LINE
EXISTING SURFACE ON KERB LIP LINE
PEGGED CHAINAGE



MK52 - LONGITUDINAL SECTION
SCALE: HORIZONTAL - 1:200
VERTICAL - 1:40

CONTROL LINE SETOUT TABLE - MK52

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RADIUS	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283765.663	5814195.079	99.819	209°57'20.00"			
IP 2	1.062	283765.077	5814194.062	99.829		R = 2.000	2.123	60°49'24.98"
CC	2.123	283763.903	5814194.078	99.836	270°46'44.97"			
IP 3	3.185	283762.729	5814194.094	99.841		R = -2.000	2.123	60°49'24.98"
IP 4	4.246	283762.143	5814193.077	99.848	209°57'20.00"			

AS CONSTRUCTED RECORDS

THE OBJECTIVE OF THESE 'AS-CONSTRUCTED DRAWINGS' IS TO REFLECT ANY SIGNIFICANT CHANGES TO THE APPROVED CONSTRUCTION DRAWINGS AND PROVIDE COUNCIL WITH A RECORD OF DESIGN INTENT. ANY LEVELS AND COORDINATES SHOWN ON THESE PLANS ARE SUBJECT TO SURVEY AND WILL DIFFER. ARCADIS ACCEPT NO RESPONSIBILITY FOR LOSS OR DAMAGES RESULTING FROM THE INTERPRETATION OF THESE DRAWINGS. ALL DETAILS AND ASSETS MUST BE ASCERTAINED AND VERIFIED BY THE END USER.

Issue	Description	By	Ckd	PM	Date
C	AS CONSTRUCTED	WB	ZS	SE	07.10.21
B	UPDATES TO LOT 8138	WB	ZS	SE	12.08.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	04.12.20
04	UPDATES TO ADDRESS COUNCIL COMMENTS	HP	ZS	SE	19.08.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	03.08.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	10.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.11.19

100mm on Original

Scale
0 5 10 15 20m
1 : 200
0 1 2 3 4m
1 : 40

Planner: RobertsDay planning·design·place

Filename C-08c-261-10029435-Intersection.dwg

Client: RESIMAX GROUP

Status: AS CONSTRUCTED
Verifier: Z.STROGUSZ
Scales: 1:200, 1:40
Original Size: A1
Height Datum: AHD
Grid: MGA
Original Issue Signatures: Drawn W.BUMAGAT; Designed J.ROCK; Project Manager S.EISEL

Project: EYNESBURY TOWNSHIP STAGE 8C

Title: INTERSECTION DETAILS SHEET 2 OF 2

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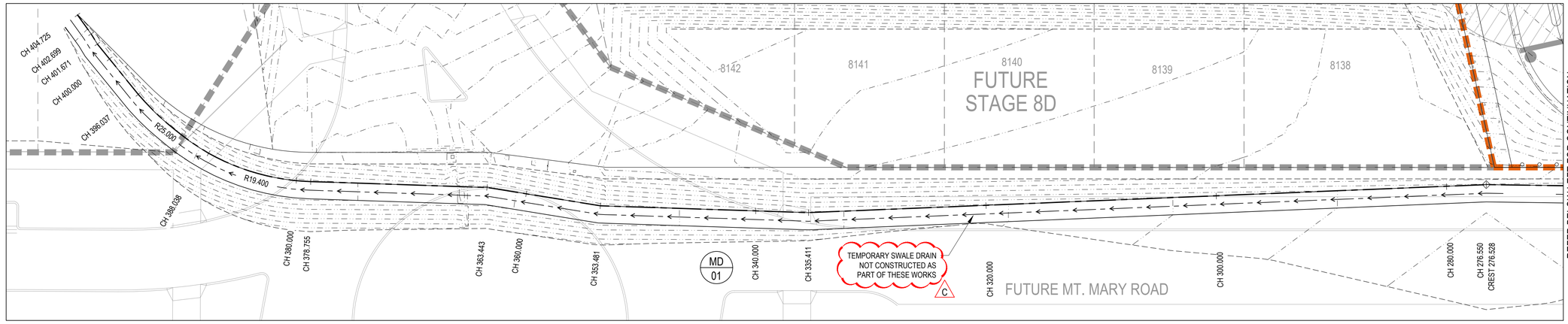
Drawing No. C-08C-261 — Project No. 10029435 — Issue C

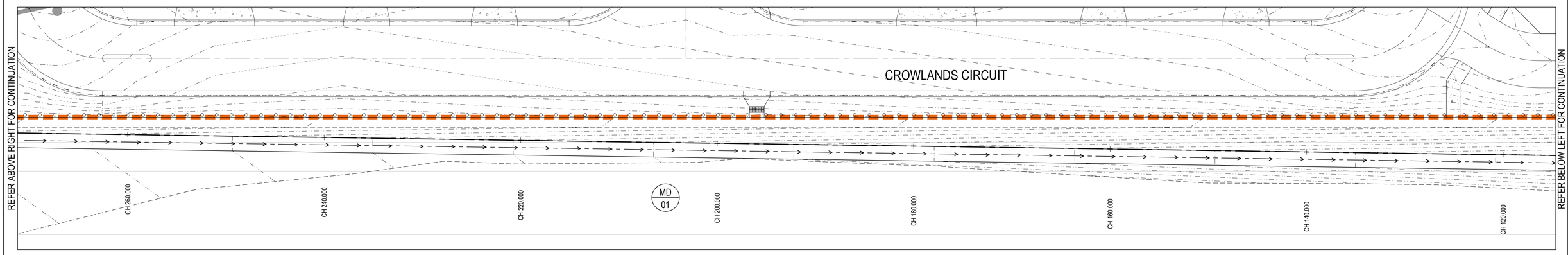


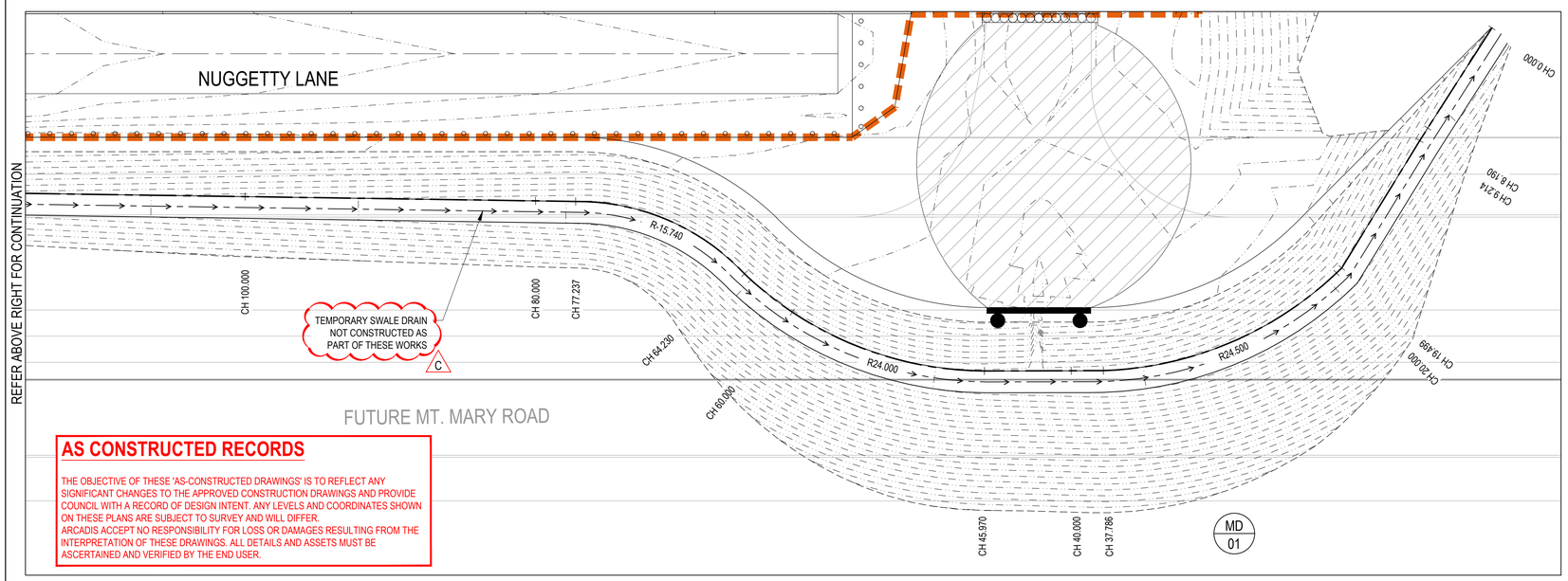
LEGEND

- STAGE BOUNDARY
- 5.0 PROPOSED SURFACE CONTOURS
- 5.0 EXISTING SURFACE CONTOURS
- PROPOSED TEMPORARY SWALE DRAIN

NOTE

1. FOR GENERAL NOTES, REFER TO DRAWING NUMBER C-08C-002.
2. FOR TEMPORARY SWALE DRAIN TYPICAL SECTION, REFER TO DRAWING NUMBER C-08C-280.
3. FOR LONGITUDINAL SECTION, REFER TO DRAWING C-08C-271.





AS CONSTRUCTED RECORDS

THE OBJECTIVE OF THESE 'AS-CONSTRUCTED DRAWINGS' IS TO REFLECT ANY SIGNIFICANT CHANGES TO THE APPROVED CONSTRUCTION DRAWINGS AND PROVIDE COUNCIL WITH A RECORD OF DESIGN INTENT. ANY LEVELS AND COORDINATES SHOWN ON THESE PLANS ARE SUBJECT TO SURVEY AND WILL DIFFER.
ARCADIS ACCEPT NO RESPONSIBILITY FOR LOSS OR DAMAGES RESULTING FROM THE INTERPRETATION OF THESE DRAWINGS. ALL DETAILS AND ASSETS MUST BE ASCERTAINED AND VERIFIED BY THE END USER.

CONTROL LINE SETOUT - MD01

PT	CHAINAGE	EASTING	NORTHING	LEVEL	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283785.687	5814178.384	98.753	242°36'21.21"			
IP 2	8.190	283778.416	5814174.616	98.812				
IP 3	9.214	283777.508	5814174.141	98.819				
IP 4	19.499	283768.475	5814169.225	98.891				
IP 5	28.643	283759.197	5814166.781	98.955		R = 24.500	18.288	42°46'45.89"
IP 6	37.786	283750.728	5814171.289	99.019				
IP 7	45.970	283743.626	5814175.355	99.076				
IP 8	55.100	283735.344	5814180.196	99.140		R = 24.000	18.260	43°25'31.90"
IP 9	64.230	283732.657	5814189.406	99.204				
IP 10	70.734	283731.085	5814196.126	99.250		R = -15.750	13.008	47°20'58.61"
IP 11	77.237	283725.077	5814199.522	99.295				
IP 12	276.550	283553.869	5814301.567	100.690				
IP 13	335.411	283501.700	5814328.826	100.278				
IP 14	353.481	283486.348	5814338.356	100.152				
IP 15	363.443	283478.625	5814344.648	100.082				
IP 16	378.755	283465.620	5814352.730	99.975				
IP 17	383.396	283461.594	5814355.219	99.942		R = 19.400	9.284	27°28'10.97"
IP 18	388.038	283459.171	5814359.285	99.910				
IP 19	392.038	283457.197	5814362.803	99.882		R = 25.000	7.999	18°23'05.95"
IP 20	396.037	283456.434	5814366.764	99.854				
IP 21	401.671	283455.540	5814372.327	99.814				
IP 22	402.699	283455.512	5814373.354	99.807				
IP 23	404.725	283455.307	5814375.370	99.798	354°11'44.35"			

Issue	Description	By	Ckd	PM	Date
C	AS CONSTRUCTED	WB	ZS	SE	07.10.21
B	UPDATES TO LOT 8138	WB	ZS	SE	12.08.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	04.12.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	03.08.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	10.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.11.19

100mm on Original

Scale

0 5 10 15 20m

1 : 200

Planner

RobertsDay planning·design·place

Filename C-08c-270-10029435-SwaleDetails.dwg

Client

RESIMAX GROUP

Status: AS CONSTRUCTED

Verifier: Z.STROGUSZ

Scales: 1:200

Original Size: A1

Height Datum: AHD

Grid: MGA

Original Issue Signatures

Drawn W.BUMAGAT

Designed J.ROCK

Project Manager S.EISEL

Project: EYNESBURY TOWNSHIP STAGE 8C

Title: SWALE DETAILS SHEET 1 OF 2

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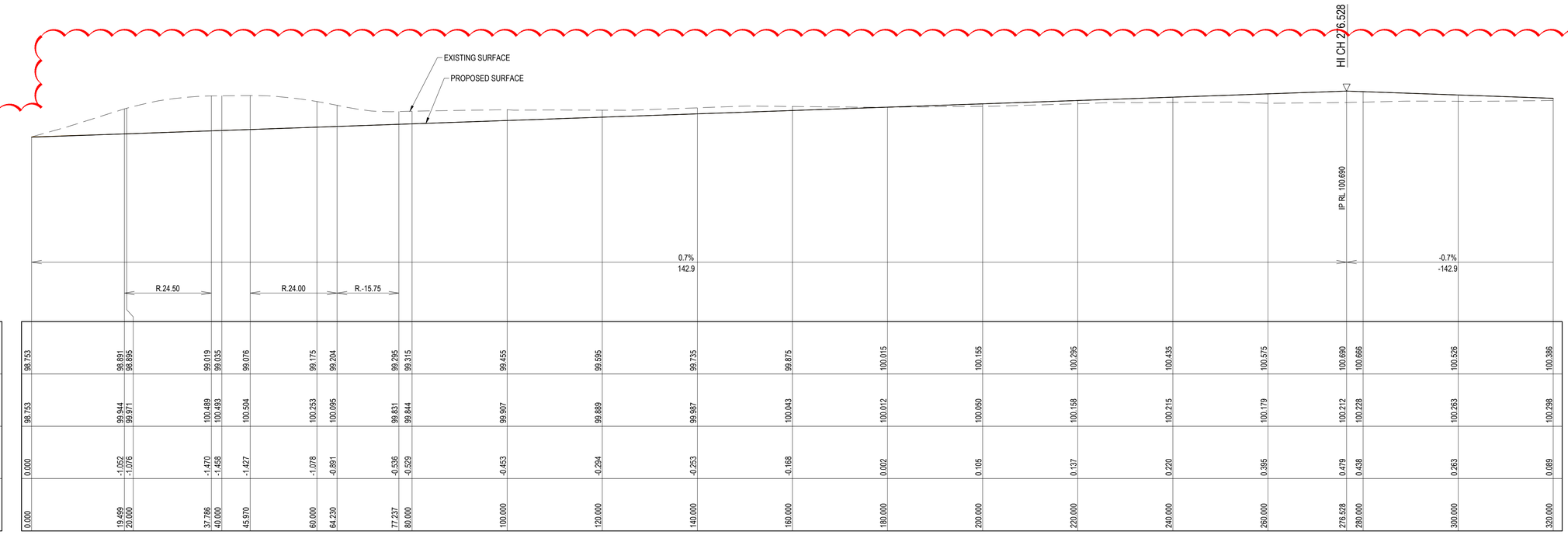
Drawing No. C-08C-270 — Project No. 10029435 — Issue C

Last Saved: WBMN1953 Date Plotted: 6 Oct 2021 - 01:40PM File Name: C:\12dSW\data\AUSY01APP04\10029435-Eynesbury_46\D-DigEng\DA-CAD\DAC-Drawings\10029435-08\10029435-08C\c-08c-270-10029435-SwaleDetails.dwg V1

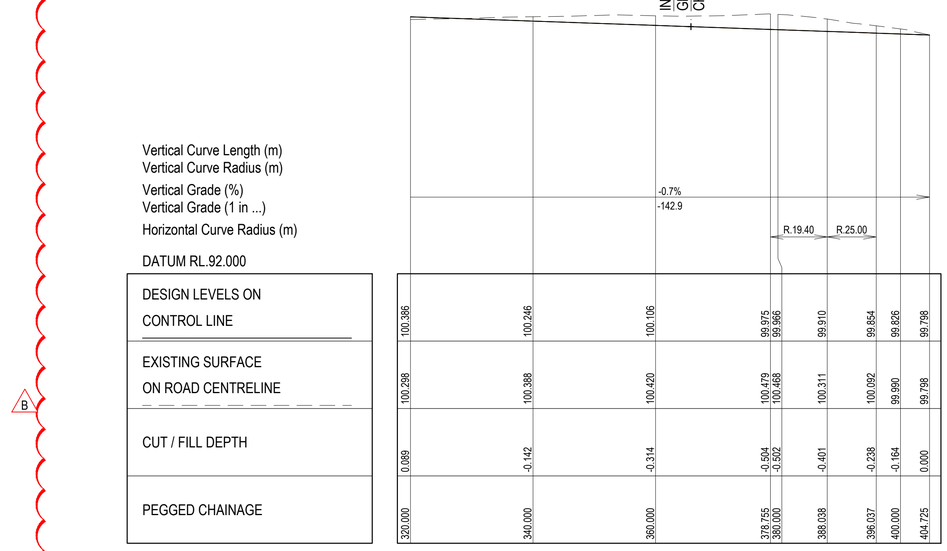
NOTE

1. FOR GENERAL NOTES, REFER TO DRAWING NUMBER C-08C-002.
2. FOR TEMPORARY SWALE DRAIN TYPICAL SECTION, REFER TO DRAWING NUMBER C-08C-280.
3. FOR SWALE DRAIN SETOUT, REFER TO DRAWING C-08C-270.



MD01 - LONGITUDINAL SECTION

SCALE: HORIZONTAL - 1:500
VERTICAL - 1:100



B

MD01 - LONGITUDINAL SECTION

SCALE: HORIZONTAL - 1:500
VERTICAL - 1:100

Issue	Description	By	Ckd	PM	Date
B	TEMPORARY SWALE DRAIN NOT CONSTRUCTED AS PART OF THESE WORK	WB	ZS	SE	07.10.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	04.12.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	HP	ZS	SE	19.08.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	10.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.11.19

Scale

0 5 10 20 30 40 50m

1 : 500

0 1 2 4 6 8 10m

1 : 100

100mm on Original

Planner

RobertsDay planning·design·place

Filename C-08c-271-10029435-SwaleDetails.dwg

Client

RESIMAX GROUP

Status: AS CONSTRUCTED

Verifier: Z.STROGUSZ

Scales: 1:500 (H) 1:100 (V)

Original Size: A1

Height Datum: AHD

Grid: MGA

Original Issue Signatures

Drawn W.BUMAGAT

Designed J.ROCK

Project Manager S.EISEL

Project: EYNESBURY TOWNSHIP STAGE 8C

Title: SWALE DETAILS SHEET 2 OF 2

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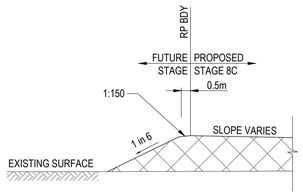
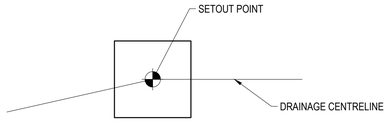
Drawing No. C-08C-271 — Project No. 10029435 — Issue B

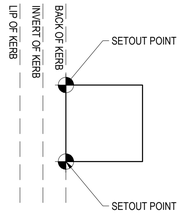
Last Saved: WBMN1953 Date Plotted: 6 Oct 2021 - 01:45PM File Name: C:\12dSW\data\AUSY01APP04\10029435-Eynesbury_46\D-DigEng\DA-CAD\DAC-Drawings\10029435-08\10029435-08C\c-08c-271-10029435-SwaleDetails.dwg V1



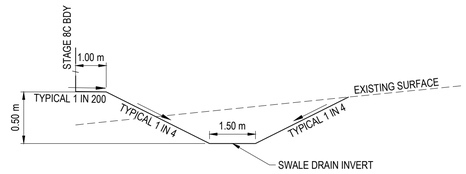
TYPICAL SECTION
NOT TO SCALE



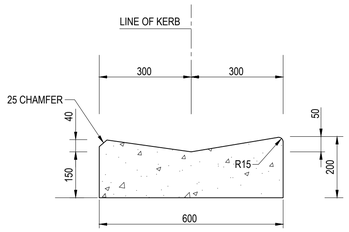
PIT SETOUT POINT DETAIL
NOT TO SCALE



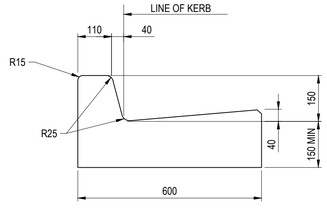
PIT SETOUT POINT DETAIL WITHIN FUTURE STAGE
NOT TO SCALE



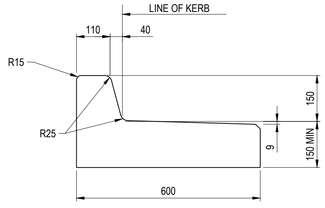
TYPICAL TEMPORARY SWALE DETAIL
NOT TO SCALE



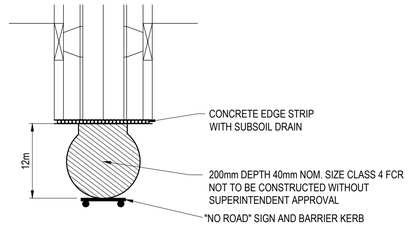
M2 (600mm) KERB DETAIL
1:10



B2 (600mm) KERB DETAIL
1:10



B3 (600mm) KERB DETAIL
1:10



TYPICAL TEMPORARY TURN AREA DETAIL
NOT TO SCALE

NOTES:

1. DOWEL BAR DIAMETER, LENGTH AND SPACING SHALL BE AS SPECIFIED IN THE SCHEDULE OF DETAILS.
2. DOWELS SHALL BE:
   - SECURELY POSITIONED PARALLEL TO PAVEMENT CENTERLINE AND FINISHED SURFACE
   - PART COATED AS SHOWN WITH APPROVED BOND BREAKING MATERIAL.
3. TIE BARS SHALL BE SECURELY POSITIONED PARALLEL TO PAVEMENT CENTERLINE AND FINISHED SURFACE.
4. 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.
5. SUBBASE AND BASE TRANSVERSE JOINTS SHALL BE OFFSET BY A MINIMUM OF 500mm.
6. TIED CONSTRUCTION JOINTS SHALL BE LOCATED IN THE MIDDLE THIRD OF THE SLAB LENGTH AND AT LEAST 1.5m FROM TRANSVERSE CONTRACTION JOINTS.
7. DOWEL CAP MAY BE OMITTED FOR SHORT SLAB (<5m) CONTRACTION JOINTS.
8. SFRC IS STEEL FIBRE REINFORCE CONCRETE.
9. TIE BAR SHALL NOT BE PLACE WITHIN 500mm OF A TRANSVERSE CONTRACTION JOINT.
10. REINFORCEMENT FOR JOINTED AND CONTINUOUSLY REINFORCED PAVEMENTS IS NOT SHOWN REFER TO SCHEDULE OF DETAILS.
11. SUBBASE AND BASE LONGITUDINAL JOINTS SHALL BE OFFSET BY NOT LESS THAN 250mm BUT NOT MORE THAN 300mm.
12. SAME DIMENSIONS FOR STEEL FIBRE REINFORCED CONCRETE.
13. 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.
14. BACKING ROD SHALL BE MADE OF POLYETHELENE FOAM OR APPROVED EQUIVALENT. ALTERNATIVE MATERIAL AND SHAPE MAY BE APPROVED.
15. AN APPROVED NEOPRENE COMPRESSION SEAL CONFORMING TO ASTM D2628 MAY BE USED INSTEAD OF A FIELD MOULDED SEALANT AND BACKING ROD.
16. AN APPROVED SEALANT SHALL BE INSTALLED ALONG THE TOP AND DOWN THE VERTICAL EDGES OF THE EXPANSION JOINT.
17. REINFORCEMENT SHALL BE LOCATED IN THE TOP THIRD OF THE BASE AND SHALL HAVE A MINIMUM COVER OF 50mm.
18. RECTANGULAR MESH SHALL BE ALIGNED WITH THE CLOSER SPACED WIRES PARALLEL TO THE PAVEMENT CENTERLINE.
19. REFER TO SHEET C-08C-002 FOR GENERAL NOTES.

AS CONSTRUCTED RECORDS

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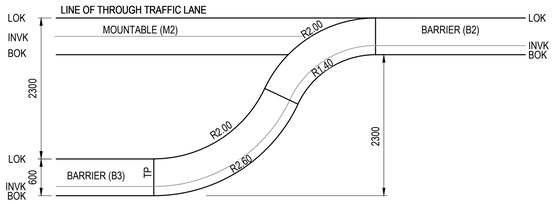
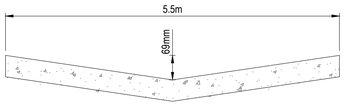


TYPICAL PARALLEL PARKING BAY DETAIL FOR BARRIER (B2 & B3) KERB AND CHANNEL
NOT TO SCALE



TYPICAL SECTION - NUGGETTY LANE
NOT TO SCALE

Issue	Description	By	Ckd	PM	Date
B	AS CONSTRUCTED	WB	ZS	SE	07.10.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	04.12.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	10.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.11.19

100mm on Original

Scale: 0 100 200 400 600 800 1000mm — 1 : 10

Planner: RobertsDay planning·design·place

Filename C-08c-280-10029435-TypicalDetails.dwg

Client: RESIMAX GROUP

Status: AS CONSTRUCTED
Verifier: Z.STROGUSZ
Scales: 1:10
Original Size: A1
Height Datum: AHD
Grid: MGA
Original Issue Signatures
Drawn W.BUMAGAT
Designed J.ROCK
Project Manager S.EISEL

Project: EYNESBURY TOWNSHIP STAGE 8C

Title: TYPICAL DETAILS SHEET 1 OF 2

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Drawing No. C-08C-280 — Project No. 10029435 — Issue B

Last Saved: WBMN1953 Date Plotted: 6 Oct 2021 - 10:27AM File Name: C:\12dSW\data\AUSY01APP04\10029435-Eynesbury_46\D-DigEng\DA-CAD\DAC-Drawings\10029435-08\10029435-08C\c-08c-280-10029435-TypicalDetails.dwg V1

PAVEMENT COMPOSITION TYPE 1
AMPHITHEATRE STREET

LAYER	THICKNESS (mm)	MATERIAL
WEARING COURSE	20	SIZE 7mm TYPE L ASPHALT (CLASS 320 BINDER)
BASE COURSE	30	SIZE 10mm TYPE N ASPHALT (CLASS 320 BINDER)
INTERLAYER	-	SIZE 10mm SAMI WITH S18RF BINDER
BONDING LAYER	-	BITUMINOUS PRIME
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 (CAPPING LAYER) MEETING THE FOLLOWING MATERIAL PROPERTIES: CBR ≥ 8%, SWELL ≤ 1.5%, PERMEABILITY K ≤ 5 x 10^{-9} m/s. COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1
CONSTRUCTION LAYER	150	TYPE A MATERIAL MEETING THE FOLLOWING MATERIAL PROPERTIES : CBR ≥ 8%, SWELL ≤ 1.5% AND PERMEABILITY ≤ 5 x 10^{-9} m/s. COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1
TOTAL	590	
SUBGRADE	-	MATERIAL AS FOUND (CLAY) TOP 200mm COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1

PAVEMENT COMPOSITION TYPE 2
CROWLANDS CIRCUIT

LAYER	THICKNESS (mm)	MATERIAL
WEARING COURSE	30	SIZE 10mm TYPE L ASPHALT (CLASS 320 BINDER)
BASE COURSE	30	SIZE 10mm TYPE N ASPHALT (CLASS 320 BINDER)
INTERLAYER	-	SIZE 10mm SAMI WITH S18RF BINDER
BONDING LAYER	-	BITUMINOUS PRIME
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
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 (CAPPING LAYER) MEETING THE FOLLOWING MATERIAL PROPERTIES: CBR ≥ 8%, SWELL ≤ 1.5%, PERMEABILITY K ≤ 5 x 10^{-9} m/s. COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1
CONSTRUCTION LAYER	150	TYPE A MATERIAL MEETING THE FOLLOWING MATERIAL PROPERTIES : CBR ≥ 8%, SWELL ≤ 1.5% AND PERMEABILITY ≤ 5 x 10^{-9} m/s. COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1
TOTAL	590	
SUBGRADE	-	MATERIAL AS FOUND (CLAY) TOP 200mm COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1

PAVEMENT COMPOSITION TYPE 3
LOGAN STREET

LAYER	THICKNESS (mm)	MATERIAL
WEARING COURSE	40	SIZE 10mm TYPE N ASPHALT (CLASS 320 BINDER)
BASE COURSE	40	SIZE 10mm TYPE HP ASPHALT (CLASS A10E BINDER)
INTERLAYER	-	SIZE 10mm SAMI WITH S18RF BINDER
BONDING LAYER	-	BITUMINOUS PRIME
BASE	110	SIZE 20mm CLASS 2 CRUSHED ROCK COMPACTED TO A MINIMUM DENSITY RATIO OF 100% (MODIFIED) AS1289, 5.2.1
UPPER SUBBASE	100	SIZE 20mm CLASS 3 CRUSHED ROCK COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (MODIFIED) AS1289,5.2.1
LOWER SUBBASE	110	SIZE 20mm CLASS 4 CRUSHED ROCK COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (MODIFIED) AS1289,5.2.1
CAPPING LAYER	150	TYPE A MATERIAL (CAPPING LAYER) MEETING THE FOLLOWING MATERIAL PROPERTIES: CBR ≥ 8%, SWELL ≤ 1.5%, PERMEABILITY K ≤ 5 x 10^{-9} m/s. COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1
CONSTRUCTION LAYER	150	TYPE A MATERIAL MEETING THE FOLLOWING MATERIAL PROPERTIES : CBR ≥ 8%, SWELL ≤ 1.5% AND PERMEABILITY ≤ 5 x 10^{-9} m/s. COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1
TOTAL	700	
SUBGRADE	-	MATERIAL AS FOUND (SILTY CLAY) COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (STANDARD) AS1289, 5.1.1

PAVEMENT COMPOSITION TYPE 4
NUGGETTY LANE

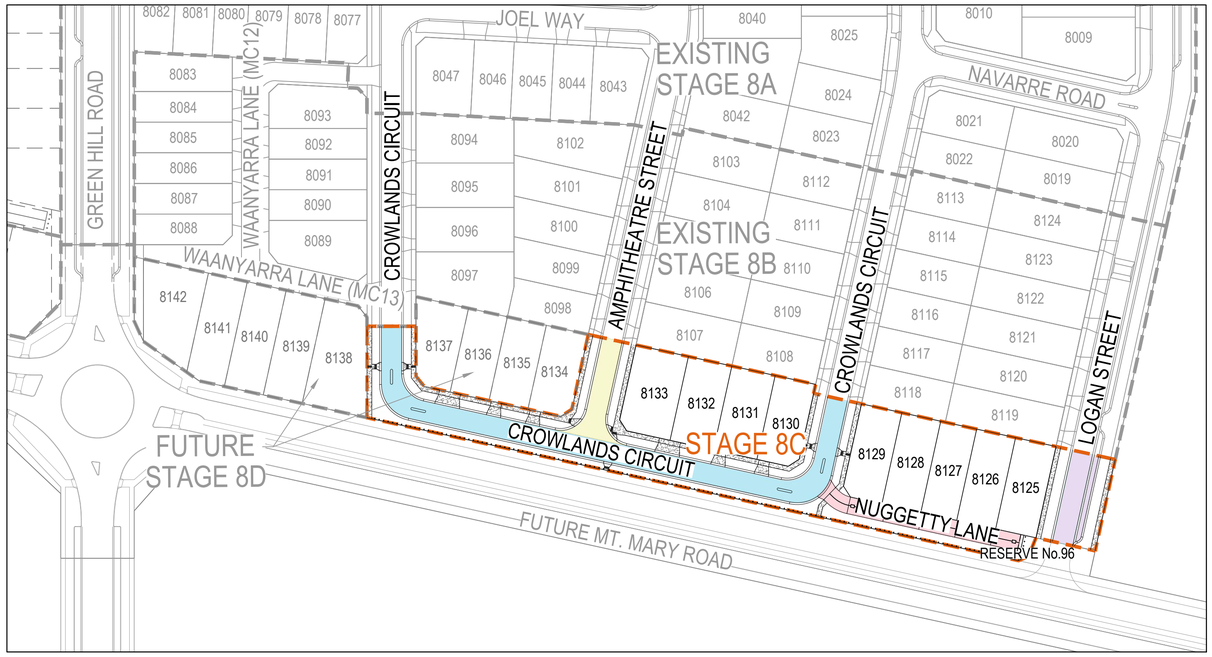
LAYER	THICKNESS (mm)	MATERIAL
WEARING COURSE	-	EXPOSED AGGREGATE FINISH
BASE COURSE	195	CONCRETE 32MPa WITH TWO SHEETS OF SL82 MESH REINFORCEMENT WITH 50mm TOP COVER AS PER STANDARD DRAWING MCC 504
SUBBASE	100	SIZE 20mm CLASS 3 CRUSHED ROCK COMPACTED TO NOT LESS THAN 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1
CAPPING LAYER	150	SELECT FILL OR STABILISED CLAY MEETING THE FOLLOWING MATERIAL PROPERTIES: CBR ≥ 8%, SWELL ≤ 1.5%, PERMEABILITY K ≤ 5 x 10-9 m/s (5X10^{A}-7cm/s) COMPACTED TO A MINIMUM DENSITY RATIO OF 97% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1
TOTAL	445	
SUBGRADE	-	MATERIAL AS FOUND (CLAY) TOP 200mm COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1

LEGEND

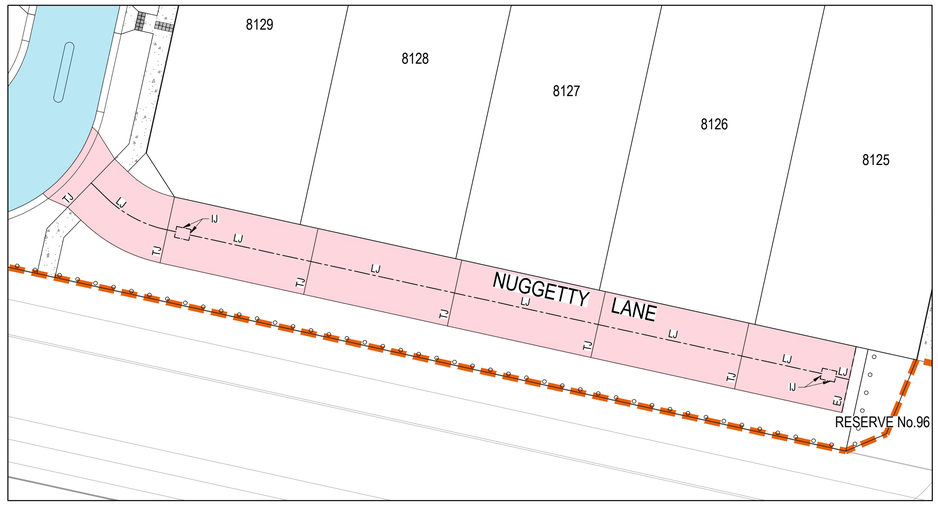
- STAGE BOUNDARY
- PROPOSED KERB & CHANNEL
- PROPOSED ROAD PAVEMENT TYPE 1
- PROPOSED ROAD PAVEMENT TYPE 2
- PROPOSED ROAD PAVEMENT TYPE 3
- PROPOSED ROAD PAVEMENT TYPE 4
- PROPOSED CONCRETE FOOTPATH/DRIVEWAY
- LONGITUDINAL TIED JOINT (LJ)
- ISOLATION JOINT (IJ)
- TRANSVERSE JOINT (TJ)
- EXPANSION JOINT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

NOTES:

1. 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.



PLAN
SCALE 1 : 1000



PLAN - NUGGETTY LANE
SCALE 1 : 250

AS CONSTRUCTED RECORDS

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Issue	Description	By	Ckd	PM	Date
B	AS CONSTRUCTED	WB	ZS	SE	07.10.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	04.12.20
04	UPDATES TO ADDRESS COUNCIL COMMENTS	HP	ZS	SE	19.08.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	03.08.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	10.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.11.19

100mm on Original

Scale
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1 : 1000
0 5 10 15 20 25m
1 : 250

Planner: RobertsDay planning·design·place

Filename C-08c-281-10029435-TypicalDetails.dwg

Client: RESIMAX GROUP

Status: AS CONSTRUCTED
Verifier: Z.STROGUSZ
Scales: 1:1000 1:250
Original Size: A1
Height Datum: AHD
Grid: MGA
Original Issue Signatures
Drawn W.BUMAGAT
Designed J.ROCK
Project Manager S.EISEL

Project: EYNESBURY TOWNSHIP STAGE 8C

Title: TYPICAL DETAILS SHEET 2 OF 2

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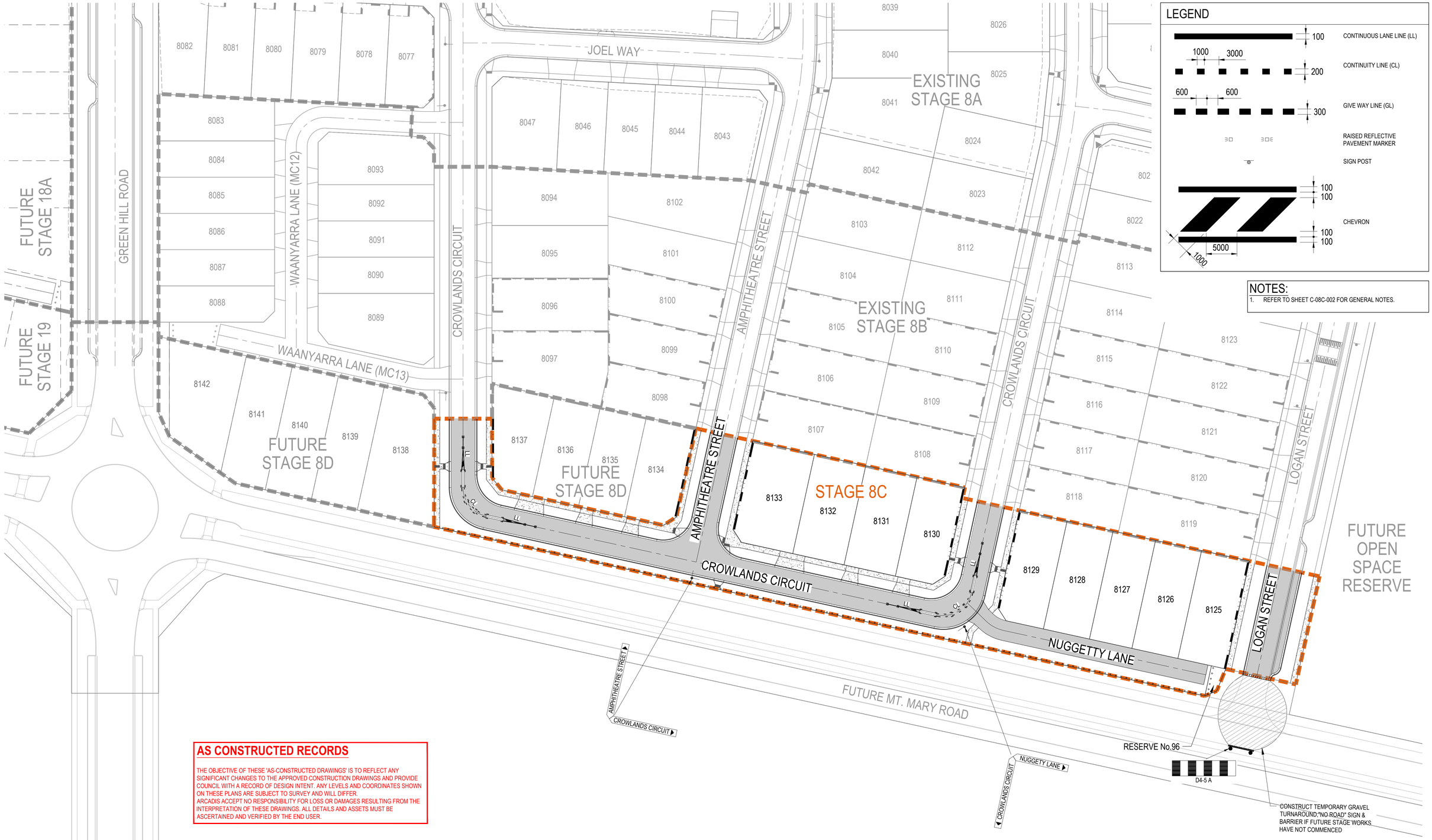
Drawing No. C-08C-281 — Project No. 10029435 — Issue B

Last Saved: WBMN1953 Date Plotted: 6 Oct 2021 - 10:33AM File Name: C:\12dSW\data\AUSY01APP04\10029435-Eynesbury_46\D-DigEng\DA-CAD\DAC-Drawings\10029435-08\10029435-08C\c-08c-281-10029435-TypicalDetails.dwg V1



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100mm on Original

Scale

0 5 10 20 30 40 50m

1 : 500

Planner

RobertsDay planning·design·place

Filename C-08c-290-10029435-Sign&LinemarkingPlan.dwg

Client

RESIMAX GROUP

Status: AS CONSTRUCTED

Verifier: Z.STROGUSZ

Scales: 1:500

Original Size: A1

Height Datum: AHD

Grid: MGA

Original Issue Signatures

Drawn W.BUMAGAT

Designed J.ROCK

Project Manager S.EISEL

Project

EYNESBURY TOWNSHIP
STAGE 8C

Title

LINEMARKING AND SIGNAGE PLAN

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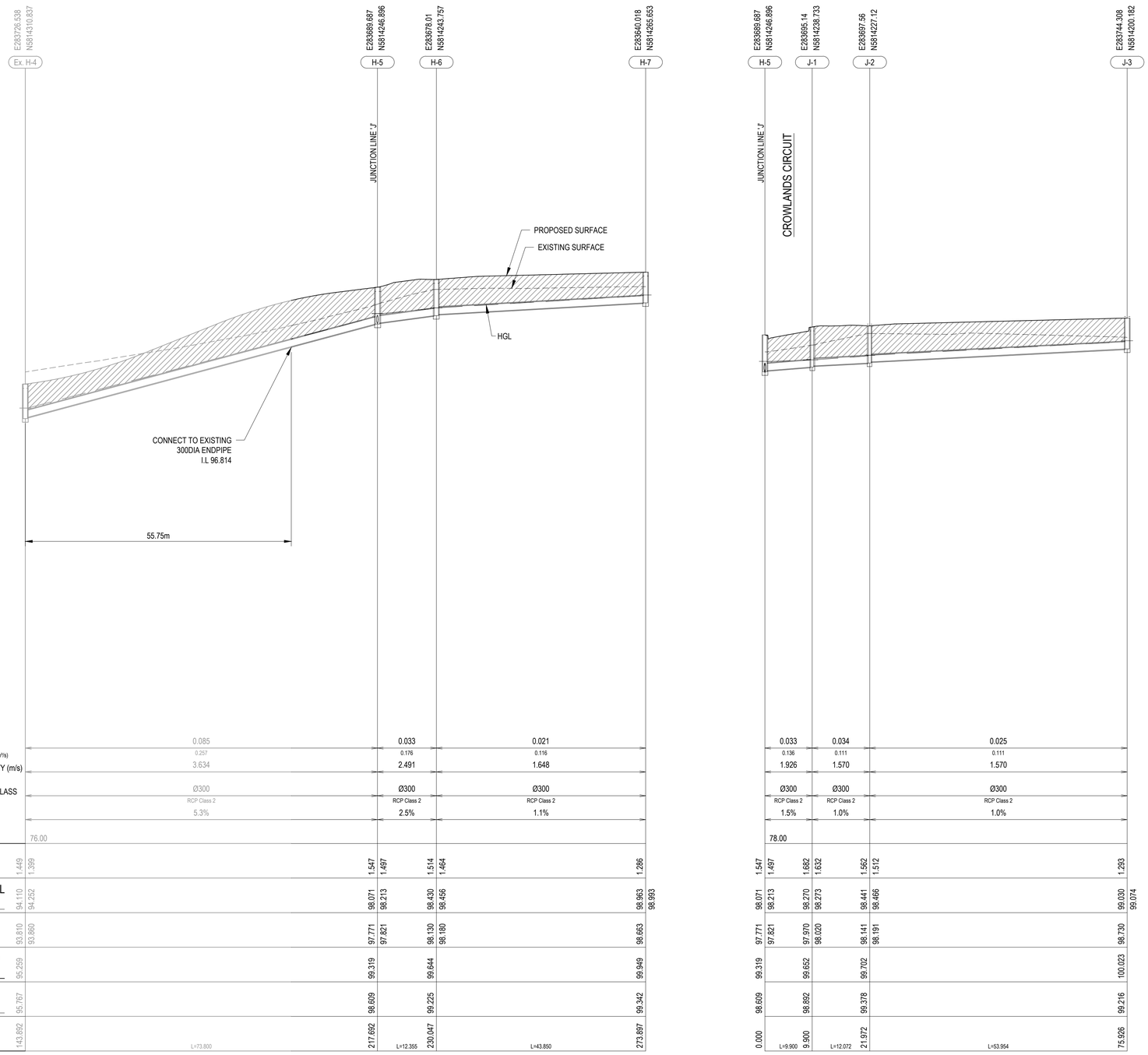
Tel No: +61 3 8623 4000
www.arcadis.com

Drawing No. C-08C-290 — Project No. 10029435 — Issue B

Last Saved: WBMN1953 Date Plotted: 6 Oct 2021 - 10:36AM File Name: C:\12dSW\data\AUSY01APP04\10029435-Eynesbury_46\D-DigEng\DA-CAD\DAC-Drawings\10029435-08\10029435-08C\c-08c-290-10029435-Sign&LinemarkingPlan.dwg

V1



LINE H

LINE J

NOTES:

1. 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
2. ALL DRAINAGE PIPES TO BE RUBBER RING BELLED SOCKET JOINT TYPE (RRJ).
3. ALL DRAINAGE PIPES SHALL BE CLASS 2 RCP, UNLESS OTHERWISE NOTED.
4. WHERE PITS DROP LESS THAN 50mm THE PIT FLOOR MUST BE SHAPED TO MATCH THE LOWER HALF OF THE PIPE.
5. REFER TO SHEET C-08C-002 FOR GENERAL NOTES.

LEGEND

CRUSHED ROCK BACKFILL

AS CONSTRUCTED RECORDS

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Scale

0 5 10 20 30 40 50m
1 : 500 (H)
0 1 2 4 6 8 10m
1 : 100 (V)

100mm on Original

Planner: RobertsDay planning·design·place

Filename C-08c-300-10029435-SwdLS.dwg

Client: RESIMAX GROUP

Status: AS CONSTRUCTED
Verifier: Z.STROGUSZ
Scales: 1:500 (H) 1:100 (V)
Original Size: A1
Height Datum: AHD
Grid: MGA

Original Issue Signatures
Drawn W.BUMAGAT
Designed J.ROCK
Project Manager S.EISEL

Project: EYNESBURY TOWNSHIP STAGE 8C

Title: STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 1 OF 2

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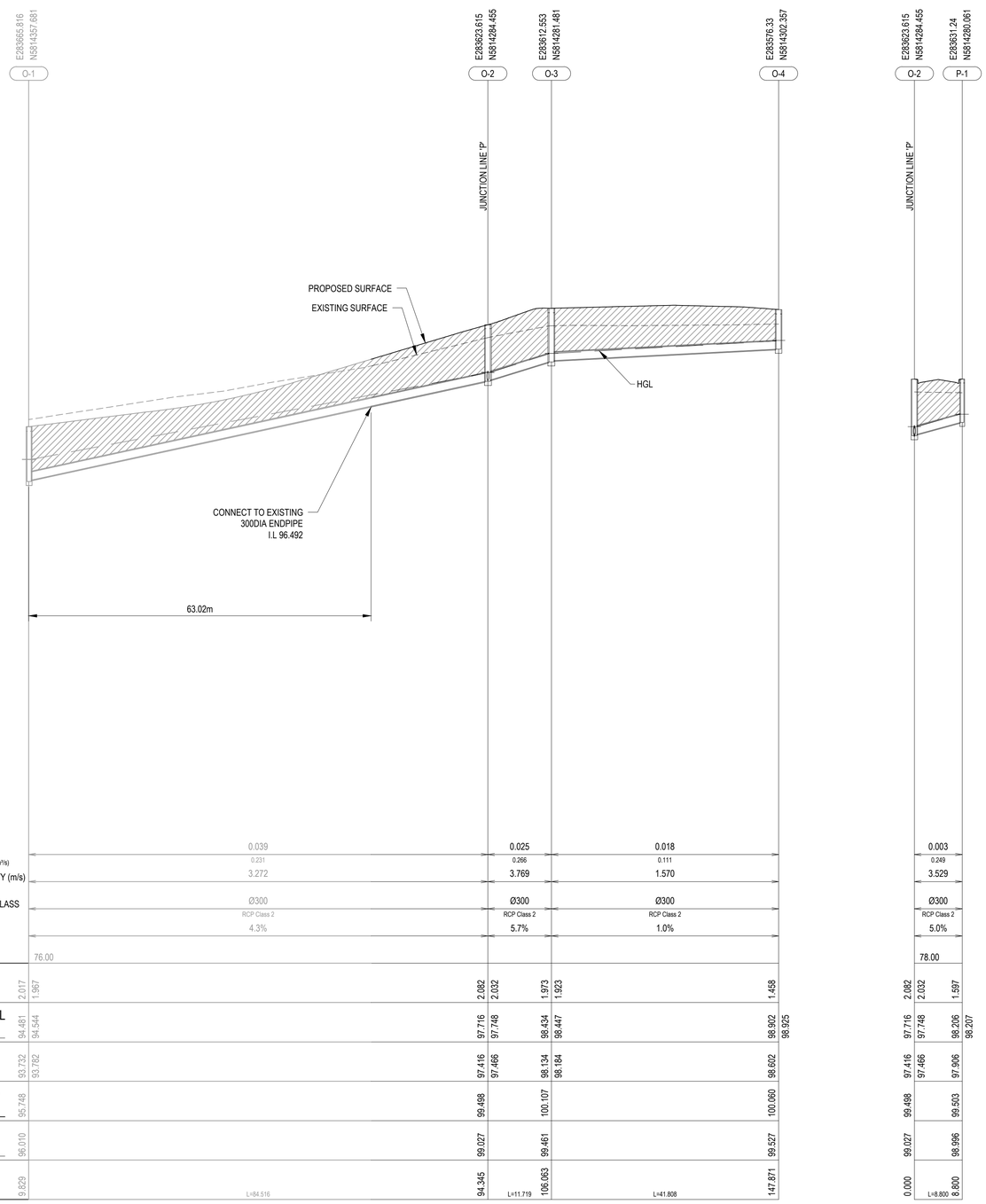
Drawing No. C-08C-300 — Project No. 10029435 — Issue B

Last Saved: WBMN1953 Date Plotted: 6 Oct 2021 - 10:37AM File Name: C:\12dSW\data\AUSY01APP04\10029435-Eynesbury_46\D-DigEng\DA-CAD\DAC-Drawings\10029435-08\10029435-08C\c-08c-300-10029435-SwdLS.dwg V1



FLOW (m³/s)	0.039	0.025	0.018	0.003	
FLOW CAPACITY (m³/s)	0.231	0.266	0.111	0.249	
PIPE VELOCITY (m/s)	3.272	3.769	1.570	3.529	
PIPE SIZE & CLASS	Ø300 RCP Class 2	Ø300 RCP Class 2	Ø300 RCP Class 2	Ø300 RCP Class 2	
GRADE (%)	4.3%	5.7%	1.0%	5.0%	
Datum R.L	76.00			78.00	
DEPTH TO INVERT	2.017 / 1.967	2.082 / 2.032	1.973 / 1.923	1.458	2.082 / 2.032 / 1.597
H.G.L. LEVEL 5 YEAR ARI	94.481 / 94.544	97.716 / 97.748	98.434 / 98.447	98.902 / 98.925	97.716 / 97.748 / 98.206 / 98.207
INVERT LEVEL	93.732 / 93.782	97.416 / 97.466	98.134 / 98.184	98.602	97.416 / 97.466 / 97.906
PROPOSED LEVEL	95.748	99.498	100.107	100.060	99.498 / 99.503
EXISTING LEVEL	96.010	99.027	99.461	99.527	99.027 / 98.996
CHAINAGE	9.829	94.345	106.063	147.871	0.000 / 8.800
	L=84.516	L=11.719	L=41.808		L=8.800

LINE O

LINE P

NOTES:

1. 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

AS CONSTRUCTED RECORDS

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Scale

0 5 10 20 30 40 50m

1 : 500 (H)

0 1 2 4 6 8 10m

1 : 100 (V)

100mm on Original

Planner

RobertsDay planning·design·place

Filename C-08c-301-10029435-SwdLS.dwg

Client

RESIMAX GROUP

Status	AS CONSTRUCTED
Verifier	Z.STROGUSZ
Scales	1:500 (H) 1:100 (V)
Original Size	A1
Height Datum	AHD
Grid	MGA

Original Issue Signatures

Drawn W.BUMAGAT

Designed J.ROCK

Project Manager S.EISEL

Project

EYNESBURY TOWNSHIP
STAGE 8C

Title

STORMWATER DRAINAGE
LONGITUDINAL SECTIONS
SHEET 2 OF 2

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Drawing No.	Project No.	Issue
C-08C-301	10029435	B

Last Saved: WBMN1953 Date Plotted: 6 Oct 2021 - 10:38AM File Name: C:\12dSW\data\AUSY01APP04\10029435-Eynesbury_46\D-DigEng\DA-CAD\DAC-Drawings\10029435-08\10029435-08C\c-08c-301-10029435-SwdLS.dwg

V1

NOTES:

1. EASTING AND NORTHING SETOUT TO PIT CENTRE.
2. SETOUT LEVEL TO PIT COVER LEVEL.
3. REFER TO SHEET C-08C-002 FOR GENERAL NOTES.

PIT SCHEDULE

PIT				INTERNAL		INLET		OUTLET		PIT		STANDARD DRAWING	REMARKS
NAME	TYPE	EASTING	NORTHING	WIDTH	LENGTH	DIAMETER	IL	DIAMETER	IL	SETOUT RL	DEPTH		
H-5	SIDE ENTRY PIT GRATED	283689.687	5814246.896	0.9	0.9	300	97.821	300	97.771	99.319	1.547	EDCM 601 & 607	PIT TO BE HAUNCHED TO 0.6m x 0.9m
						300	97.821						
H-6	SIDE ENTRY PIT GRATED	283678.010	5814243.757	0.9	0.9	300	98.180	300	98.130	99.644	1.514	EDCM 601 & 607	PIT TO BE HAUNCHED TO 0.6m x 0.9m
H-7	JUNCTION PIT	283640.018	5814265.653	0.6	0.9			300	98.663	99.949	1.286	EDCM 605	CLASS D HEAVY DUTY CAST IRON COVER AS PER EDCM 605
J-1	JUNCTION PIT	283695.140	5814238.733	0.6	0.9	300	98.020	300	97.970	99.652	1.682	EDCM 605	CLASS D HEAVY DUTY CAST IRON COVER AS PER EDCM 605
J-2	GRATED PIT	283697.560	5814227.120	0.9	0.6	300	98.191	300	98.141	99.702	1.562	EDCM 605	CLASS D HEAVY DUTY V-GRATE
J-3	JUNCTION PIT	283744.308	5814200.182	0.6	0.9			300	98.730	100.023	1.293	EDCM 605	CLASS D HEAVY DUTY CAST IRON COVER AS PER EDCM 605
O-2	SIDE ENTRY PIT GRATED	283623.615	5814284.455	0.9	0.9	300	97.466	300	97.416	99.498	2.082	EDCM 601 & 607	PIT TO BE HAUNCHED TO 0.6m x 0.9m
						300	97.466						
O-3	SIDE ENTRY PIT GRATED	283612.553	5814281.481	0.9	0.9	300	98.184	300	98.134	100.107	1.973	EDCM 601 & 607	PIT TO BE HAUNCHED TO 0.6m x 0.9m
O-4	SIDE ENTRY PIT GRATED	283576.330	5814302.357	0.6	0.9			300	98.602	100.060	1.458	EDCM 601	
P-1	SIDE ENTRY PIT GRATED	283631.240	5814280.061	0.6	0.9			300	97.906	99.503	1.597	EDCM 601	

AS CONSTRUCTED RECORDS

THE OBJECTIVE OF THESE 'AS-CONSTRUCTED DRAWINGS' IS TO REFLECT ANY SIGNIFICANT CHANGES TO THE APPROVED CONSTRUCTION DRAWINGS AND PROVIDE COUNCIL WITH A RECORD OF DESIGN INTENT. ANY LEVELS AND COORDINATES SHOWN ON THESE PLANS ARE SUBJECT TO SURVEY AND WILL DIFFER.
ARCADIS ACCEPT NO RESPONSIBILITY FOR LOSS OR DAMAGES RESULTING FROM THE INTERPRETATION OF THESE DRAWINGS. ALL DETAILS AND ASSETS MUST BE ASCERTAINED AND VERIFIED BY THE END USER.

Issue	Description	By	Ckd	PM	Date
B	AS CONSTRUCTED	WB	ZS	SE	07.10.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	04.12.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	03.08.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	10.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.11.19

100mm on Original

Scale

Planner: RobertsDay planning·design·place

Filename C-08c-320-10029435-SWDPitSchedule.dwg

Client: RESIMAX GROUP

Status: AS CONSTRUCTED

Verifier: Z.STROGUSZ

Scales

Original Size: A1

Height Datum: AHD

Grid: MGA

Original Issue Signatures

Drawn W.BUMAGAT

Designed J.ROCK

Project Manager S.EISEL

Project: EYNESBURY TOWNSHIP STAGE 8C

Title: STORMWATER DRAINAGE PIT SCHEDULE

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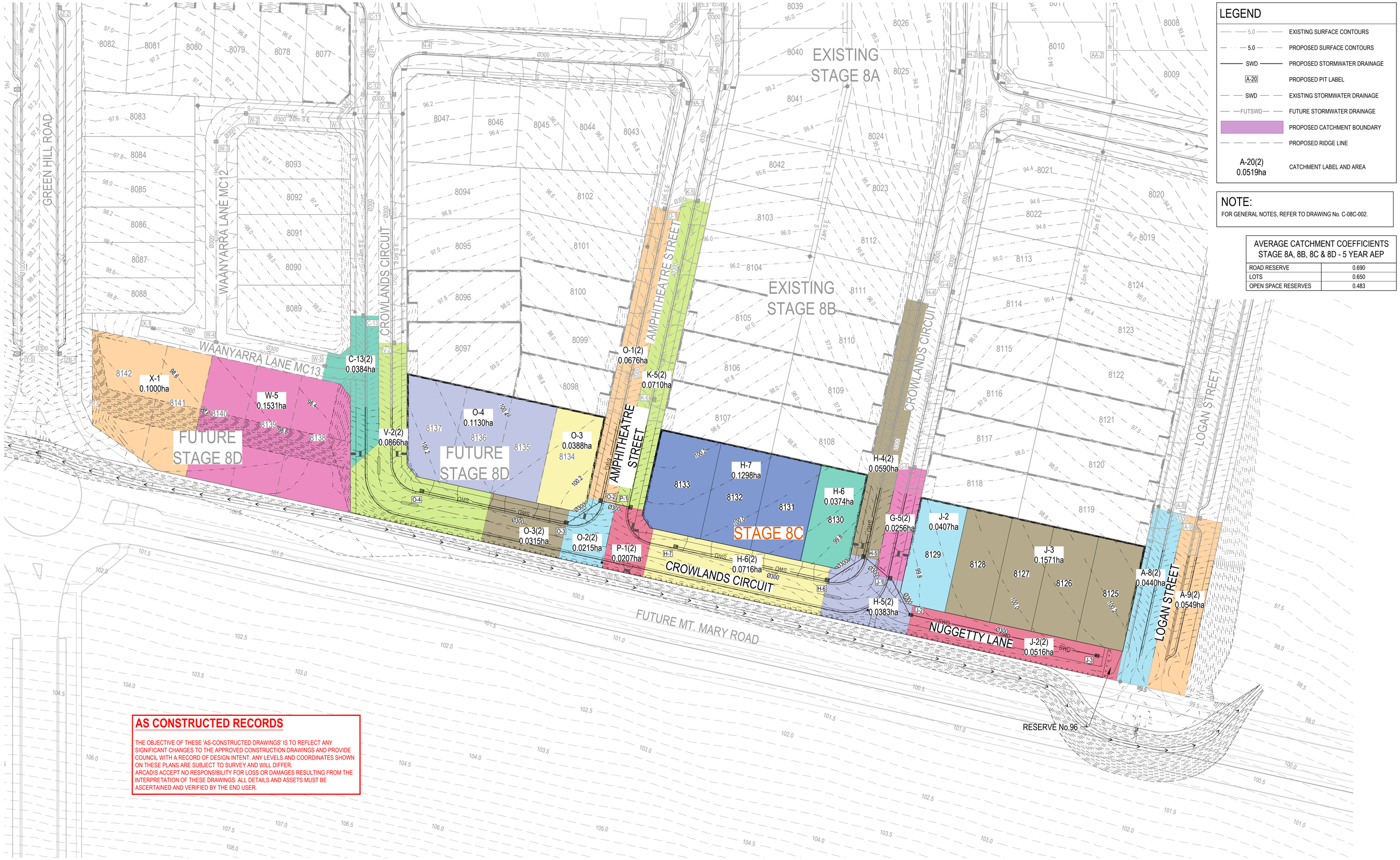
Drawing No. C-08C-320 — Project No. 10029435 — Issue B

Last Saved: WBMN1953 Date Plotted: 6 Oct 2021 - 10:39AM File Name: C:\12dSW\data\AUSY01APP04\10029435-Eynesbury_46\D-DigEng\DA-CAD\DAC-Drawings\10029435-08\10029435-08C\c-08c-320-10029435-SWDPitSchedule.dwg V1



LEGEND

- EXISTING SURFACE CONTOURS
- PROPOSED SURFACE CONTOURS
- PROPOSED STORMWATER DRAINAGE
- PROPOSED PIT LABEL
- EXISTING STORMWATER DRAINAGE
- 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. C-08C-002.

AVERAGE CATCHMENT COEFFICIENTS STAGE 8A, 8B, 8C & 8D - 5 YEAR AEP

ROAD RESERVE	0.690
LOTS	0.650
OPEN SPACE RESERVES	0.483

AS CONSTRUCTED RECORDS

THE OBJECTIVE OF THESE 'AS-CONSTRUCTED DRAWINGS' IS TO REFLECT ANY SIGNIFICANT CHANGES TO THE APPROVED CONSTRUCTION DRAWINGS AND PROVIDE COUNCIL WITH A RECORD OF DESIGN INTENT. ANY LEVELS AND COORDINATES SHOWN ON THESE PLANS ARE SUBJECT TO SURVEY AND WILL DIFFER.
ARCADIS ACCEPT NO RESPONSIBILITY FOR LOSS OR DAMAGES RESULTING FROM THE INTERPRETATION OF THESE DRAWINGS. ALL DETAILS AND ASSETS MUST BE ASCERTAINED AND VERIFIED BY THE END USER.

Issue	Description	By	Ckd	PM	Date
C	AS CONSTRUCTED	WB	ZS	SE	07.10.21
B	UPDATES TO LOT 8138	WB	ZS	SE	12.08.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	04.12.20
04	UPDATES TO ADDRESS COUNCIL COMMENTS	HP	ZS	SE	19.08.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	03.08.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	10.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.11.19

100mm on Original

Scale

0 5 10 20 30 40 50m

1 : 500

Planner

RobertsDay planning·design·place

Filename C-08c-350-10029435-Q5CatchmentPlan.dwg

Client

RESIMAX GROUP

Status: AS CONSTRUCTED

Verifier: Z.STROGUSZ

Scales: 1:500

Original Size: A1

Height Datum: AHD

Grid: MGA

Original Issue Signatures

Drawn W.BUMAGAT

Designed J.ROCK

Project Manager S.EISEL

Project: EYNESBURY TOWNSHIP STAGE 8C

Title: STORMWATER DRAINAGE Q5 CATCHMENT PLAN

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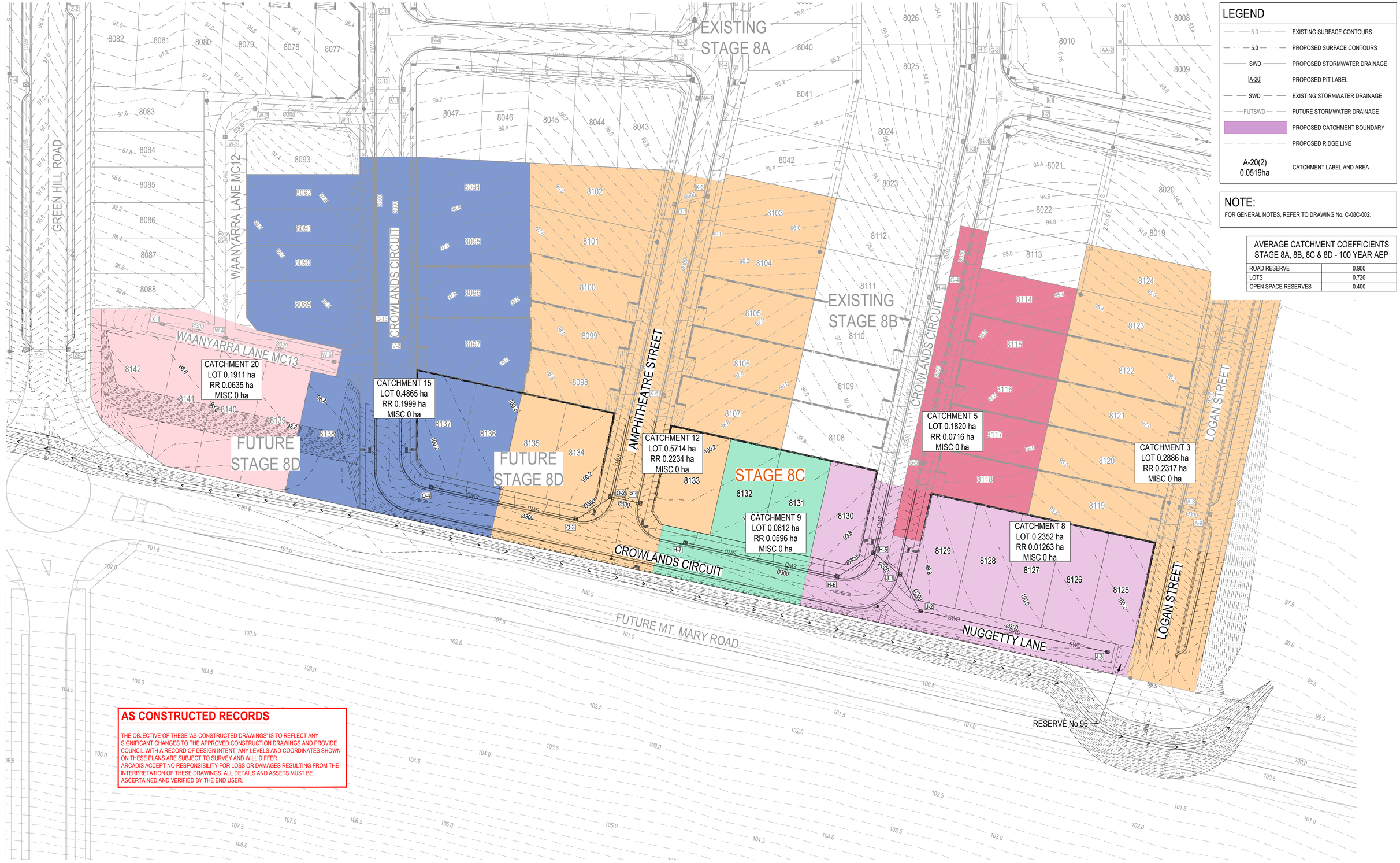
Drawing No. C-08C-350 — Project No. 10029435 — Issue C

Last Saved: WBMN1953 Date Plotted: 6 Oct 2021 - 10:41AM File Name: C:\12dSW\data\AUSY01APP04\10029435-Eynesbury_46\D-DigEng\DA-CAD\DAC-Drawings\10029435-08\10029435-08C\c-08c-350-10029435-Q5CatchmentPlan.dwg V1



LEGEND

- EXISTING SURFACE CONTOURS
- PROPOSED SURFACE CONTOURS
- PROPOSED STORMWATER DRAINAGE
- PROPOSED PIT LABEL
- EXISTING STORMWATER DRAINAGE
- 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. C-08C-002.

AVERAGE CATCHMENT COEFFICIENTS STAGE 8A, 8B, 8C & 8D - 100 YEAR AEP

ROAD RESERVE	0.900
LOTS	0.720
OPEN SPACE RESERVES	0.400

AS CONSTRUCTED RECORDS

THE OBJECTIVE OF THESE 'AS-CONSTRUCTED DRAWINGS' IS TO REFLECT ANY SIGNIFICANT CHANGES TO THE APPROVED CONSTRUCTION DRAWINGS AND PROVIDE COUNCIL WITH A RECORD OF DESIGN INTENT. ANY LEVELS AND COORDINATES SHOWN ON THESE PLANS ARE SUBJECT TO SURVEY AND WILL DIFFER.
ARCADIS ACCEPT NO RESPONSIBILITY FOR LOSS OR DAMAGES RESULTING FROM THE INTERPRETATION OF THESE DRAWINGS. ALL DETAILS AND ASSETS MUST BE ASCERTAINED AND VERIFIED BY THE END USER.

Issue	Description	By	Ckd	PM	Date
C	AS CONSTRUCTED	WB	ZS	SE	07.10.21
B	UPDATES TO LOT 8138	WB	ZS	SE	12.08.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	04.12.20
04	UPDATES TO ADDRESS COUNCIL COMMENTS	HP	ZS	SE	19.08.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	03.08.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	10.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.11.19

Scale

0 5 10 20 30 40 50m

1 : 500

100mm on Original

Planner

RobertsDay planning·design·place

Filename C-08c-351-10029435-Q100CatchmentPlan.dwg

Client

RESIMAX GROUP

Status: AS CONSTRUCTED

Verifier: Z.STROGUSZ

		Original Issue Signatures	
Scales	1:500	Drawn W.BUMAGAT	
Original Size	A1	Designed J.ROCK	
Height Datum	AHD	Project Manager S.EISEL	
Grid	MGA	© Copyright reserved	

Project: EYNESBURY TOWNSHIP STAGE 8C

Title: STORMWATER DRAINAGE Q100 CATCHMENT PLAN

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Drawing No.	Project No.	Issue
C-08C-351	10029435	C

Last Saved: WBMN1953 Date Plotted: 6 Oct 2021 - 10:52AM File Name: C:\12dSW\data\AUSY01APP04\10029435-Eynesbury_46\D-DigEng\DA-CAD\DAC-Drawings\10029435-08\10029435-08C\c-08c-351-10029435-Q100CatchmentPlan.dwg V1

NOTES:
1. REFER TO SHEET C-08C-002 FOR GENERAL NOTES.

AVERAGE CATCHMENT COEFFICIENTS STAGE 8A, 8B, 8C & 8D - 5 YEAR AEP	
ROAD RESERVE	0.690
LOTS	0.650
OPEN SPACE RESERVES	0.483

HYDROLOGICAL DESIGN SHEET

Pit Name	Pit Type	Setout Easting	Setout Northing	Setout 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)	(m)	(-)	(min)	(mm/hr)	(-)	(ha)	(ha)	(ha)	(L/s)	(ha)	(ha)	(L/s)	(L/s)
Ex. H-4	SIDE ENTRY PIT GRATED	283726.54	5814310.84	95.26	1P	5	86.28	0.60	0.0487	0.0292	0.1214	29.10	0.0292	0.1214	29.10	29.10
					1I	5	86.28	0.70	0.0731	0.0512			0.0512			
					2P	5	86.28	0.68	0.0148	0.0100			0.01			
					2I	5	86.28	0.70	0.0443	0.0310			0.031			
H-5	SIDE ENTRY PIT GRATED	283689.69	5814246.9	99.32	1P	5	86.28	0.60	0.0487	0.0292	0.1070	25.70	0.0292	0.107	25.70	25.70
					1I	5	86.28	0.70	0.0731	0.0512			0.0512			
					2P	5	86.28	0.68	0.0096	0.0065			0.0065			
					2I	5	86.28	0.70	0.0288	0.0201			0.0201			
H-6	SIDE ENTRY PIT GRATED	283678.01	5814243.76	99.64	1P	5	86.28	0.60	0.0149	0.0090	0.0744	17.80	0.009	0.0744	17.80	17.80
					1I	5	86.28	0.70	0.0224	0.0157			0.0157			
					2P	5	86.28	0.68	0.0179	0.0122			0.0122			
					2I	5	86.28	0.70	0.0537	0.0376			0.0376			
H-7	JUNCTION PIT	283640.02	5814265.65	99.95	1P	5	86.28	0.60	0.0519	0.0311	0.0856	20.50	0.0311	0.0856	20.50	20.50
					1I	5	86.28	0.70	0.0779	0.0545			0.0545			
J-1	JUNCTION PIT	283695.14	5814238.73	99.65												0.00
J-2	GRATED PIT	283697.56	5814227.12	99.70	1P	5	86.28	0.60	0.0163	0.0098	0.0627	15.00	0.0098	0.0627	15.00	15.00
					1I	5	86.28	0.70	0.0244	0.0171			0.0171			
					2P	5	86.28	0.68	0.0129	0.0088			0.0088			
					2I	5	86.28	0.70	0.0387	0.0271			0.0271			
J-3	JUNCTION PIT	283744.31	5814200.18	100.02	1P	5	86.28	0.60	0.0628	0.0377	0.1037	24.80	0.0377	0.1037	24.80	24.80
					1I	5	86.28	0.70	0.0942	0.0660			0.066			
Ex. O-1	SIDE ENTRY PIT GRATED	283665.82	5814357.68	95.75	1P	5	86.28	0.60	0.0571	0.0343	0.1412	33.80	0.0343	0.1412	33.80	33.80
					1I	5	86.28	0.70	0.0856	0.0599			0.0599			
					2P	5	86.28	0.68	0.0169	0.0115			0.0115			
					2I	5	86.28	0.70	0.0507	0.0355			0.0355			
O-2	SIDE ENTRY PIT GRATED	283623.62	5814284.45	99.50	1P	5	86.28	0.60	0.0292	0.0175	0.0631	15.10	0.0175	0.0631	15.10	15.10
					1I	5	86.28	0.70	0.0438	0.0307			0.0307			
					2P	5	86.28	0.68	0.0054	0.0037			0.0037			
					2I	5	86.28	0.70	0.0162	0.0113			0.0113			
O-3	SIDE ENTRY PIT GRATED	283612.55	5814281.48	100.11	1P	5	86.28	0.60	0.0155	0.0093	0.0475	11.40	0.0093	0.0475	11.40	11.40
					1I	5	86.28	0.70	0.0233	0.0163			0.0163			
					2P	5	86.28	0.68	0.0079	0.0054			0.0054			
					2I	5	86.28	0.70	0.0236	0.0165			0.0165			
O-4	SIDE ENTRY PIT GRATED	283576.33	5814302.36	100.06	1P	5	86.28	0.60	0.0452	0.0271	0.0746	17.90	0.0271	0.0746	17.90	17.90
					1I	5	86.28	0.70	0.0678	0.0475			0.0475			
P-1	SIDE ENTRY PIT GRATED	283631.24	5814280.06	99.50	2P	5	86.28	0.68	0.0052	0.0035	0.0144	3.40	0.0035	0.0144	3.40	3.40
					2I	5	86.28	0.70	0.0155	0.0109			0.0109			

AS CONSTRUCTED RECORDS

THE OBJECTIVE OF THESE 'AS-CONSTRUCTED DRAWINGS' IS TO REFLECT ANY SIGNIFICANT CHANGES TO THE APPROVED CONSTRUCTION DRAWINGS AND PROVIDE COUNCIL WITH A RECORD OF DESIGN INTENT. ANY LEVELS AND COORDINATES SHOWN ON THESE PLANS ARE SUBJECT TO SURVEY AND WILL DIFFER.
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Issue	Description	By	Ckd	PM	Date
B	AS CONSTRUCTED	WB	ZS	SE	07.10.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	04.12.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	03.08.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	10.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.11.19

100mm on Original

Scale

Planner
RobertsDay planning·design·place
Filename C-08c-360-10029435-SwdCalcsTable.dwg

Client
RESIMAX GROUP

Status: AS CONSTRUCTED
Verifier: Z.STROGUSZ
Scales:
Original Size: A1
Height Datum: AHD
Grid: MGA
Original Issue Signatures
Drawn W.BUMAGAT
Designed J.ROCK
Project Manager S.EISEL

Project: EYNESBURY TOWNSHIP STAGE 8C
Title: STORMWATER DRAINAGE CALCULATION TABLES SHEET 1 OF 2

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Drawing No. C-08C-360 — Project No. 10029435 — Issue B

Last Saved: WBMN1953 Date Plotted: 6 Oct 2021 - 10:42AM File Name: V1
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NOTES:
1. REFER TO SHEET C-08C-002 FOR GENERAL NOTES.

AVERAGE CATCHMENT COEFFICIENTS STAGE 8A, 8B, 8C & 8D - 5 YEAR AEP	
ROAD RESERVE	0.690
LOTS	0.650
OPEN SPACE RESERVES	0.483

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 Qcap	Q/Qcap Ratio	Full Pipe Vel Vf=Q/Af	Norm Depth Vel Vn=Q/An	Crit Depth Vel Vc=Q/Ac	Capacity Vel Vcap=Qcap/Af	US Pit Grate RL	Pipe US IL	Pipe DS IL	DS Pit Grate RL	Cover Limit	Cover Min	Pipe DS Bend	Pipe DS Drop	US Pit Ku	US Pit Kw	Pipe V'head	P'head Loss (Ku.V'head)	WSE Loss (Kw.V'head)	Pipe T'head Loss	US Pit HGL	Pipe US HGL	Pipe DS HGL	DS Pit 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)	(m)	(deg)	(m)	(-)	(-)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(%)	(1 in)	(m)
H-5 to H-4	RCP Class 2	73.80	300	0.071	5.30	18.90	8.33	70.45	0.4335	84.80	7.96	71.80	0.4259	84.90	84.90	256.90	0.33	1.20	3.27	1.48	3.63	99.14	97.77	93.86	95.08	0.90	0.90	0.00	0.05	1.80	1.92	0.07	0.13	0.14	3.82	98.21	98.07	94.25	94.25	5.18	19.30	0.93
H-6 to H-5	RCP Class 2	12.36	300	0.071	2.50	40.00	7.52	73.55	0.1601	32.70	5.00	86.28	0.1169	28.00	32.70	176.10	0.19	0.46	1.92	1.02	2.49	99.48	98.13	97.82	99.14	1.10	1.18	45.00	0.05	2.31		0.01	0.03		0.23	98.46	98.43	98.20	98.21	1.83	54.70	1.03
H-7 to H-6	RCP Class 2	43.85	300	0.071	1.10	90.90	5.00	86.28	0.0856	20.50	5.00	86.28	0.0856	20.50	20.50	116.50	0.18	0.29	1.25	0.89	1.65	99.79	98.66	98.18	99.48	0.90	0.95	45.00	0.05	7.00		0.00	0.03		0.51	98.99	98.96	98.46	98.46	1.16	86.50	0.79
J-1 to H-5	RCP Class 2	9.90	300	0.071	1.50	66.70	7.98	71.75	0.1664	33.20	5.42	83.72	0.1134	26.40	33.20	136.20	0.24	0.47	1.60	1.03	1.93	99.48	97.97	97.82	99.14	0.90	0.99	-61.60	0.05	0.27		0.01	0.00		0.07	98.27	98.27	98.20	98.21	0.66	150.90	1.21
J-2 to J-1	RCP Class 2	12.07	300	0.071	1.00	100.00	7.56	73.38	0.1664	33.90	5.00	86.28	0.1134	27.20	33.90	111.00	0.31	0.48	1.38	1.04	1.57	99.77	98.14	98.02	99.48	1.10	1.23	22.10	0.05	2.05	2.14	0.01	0.02	0.03	0.16	98.47	98.44	98.27	98.27	1.39	72.00	1.31
J-3 to J-2	RCP Class 2	53.95	300	0.071	1.00	100.00	5.00	86.28	0.1037	24.80	5.00	86.28	0.1037	24.80	24.80	111.00	0.22	0.35	1.27	0.94	1.57	100.09	98.73	98.19	99.77	0.90	0.96	-50.50	0.05	7.00		0.01	0.04		0.56	99.07	99.03	98.46	98.47	1.05	95.40	1.02
O-2 to O-1	RCP Class 2	84.52	300	0.071	4.30	23.30	8.32	70.49	0.1996	39.10	8.01	71.64	0.1949	38.80	39.10	231.30	0.17	0.55	2.45	1.08	3.27	99.36	97.42	93.78	95.58	0.90	1.08	-62.70	0.05	1.98	2.07	0.02	0.03	0.03	3.17	97.75	97.72	94.54	94.54	3.75	26.6	1.61
O-3 to O-2	RCP Class 2	11.72	300	0.071	5.70	17.50	7.76	72.60	0.1220	24.60	5.00	86.28	0.0809	19.40	24.60	266.40	0.09	0.35	2.38	0.94	3.77	99.94	98.13	97.47	99.36	1.10	1.64	45.00	0.05	2.10		0.01	0.01		0.69	98.45	98.43	97.75	97.75	5.86	17.1	1.5
O-4 to O-3	RCP Class 2	41.81	300	0.071	1.00	100.00	5.00	86.28	0.0746	17.90	5.00	86.28	0.0746	17.90	17.90	111.00	0.16	0.25	1.16	0.85	1.57	99.90	98.60	98.18	99.94	0.90	1.13	45.00	0.05	7.00		0.00	0.02		0.45	98.92	98.90	98.45	98.45	1.09	91.90	0.97
P-1 to O-2	RCP Class 2	8.8	300	0.071	5	20	5	86.28	0.0144	3.4	5	86.28	0.0144	3.4	3.4	249.5	0.01	0.05	1.27	0.54	3.53	99.36	97.91	97.47	99.36	0.9	1.12	-90	0.05	9.7		0	0		0.46	98.21	98.21	97.75	97.75	5.22	19.2	1.15

AS CONSTRUCTED RECORDS

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Issue	Description	By	Ckd	PM	Date
B	AS CONSTRUCTED	WB	ZS	SE	07.10.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	04.12.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	03.08.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	10.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.11.19

Scale

Planner: RobertsDay planning·design·place

Filename C-08c-361-10029435-SwdCalcsTable.dwg

Client: RESIMAX GROUP

Status: AS CONSTRUCTED

Verifier: Z.STROGUSZ

Scales

Original Size: A1

Height Datum: AHD

Grid: MGA

Original Issue Signatures

Drawn W.BUMAGAT

Designed J.ROCK

Project Manager S.EISEL

Project: EYNESBURY TOWNSHIP STAGE 8C

Title: STORMWATER DRAINAGE CALCULATION TABLES SHEET 2 OF 2

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Drawing No. C-08C-361 — Project No. 10029435 — Issue B

100mm on Original

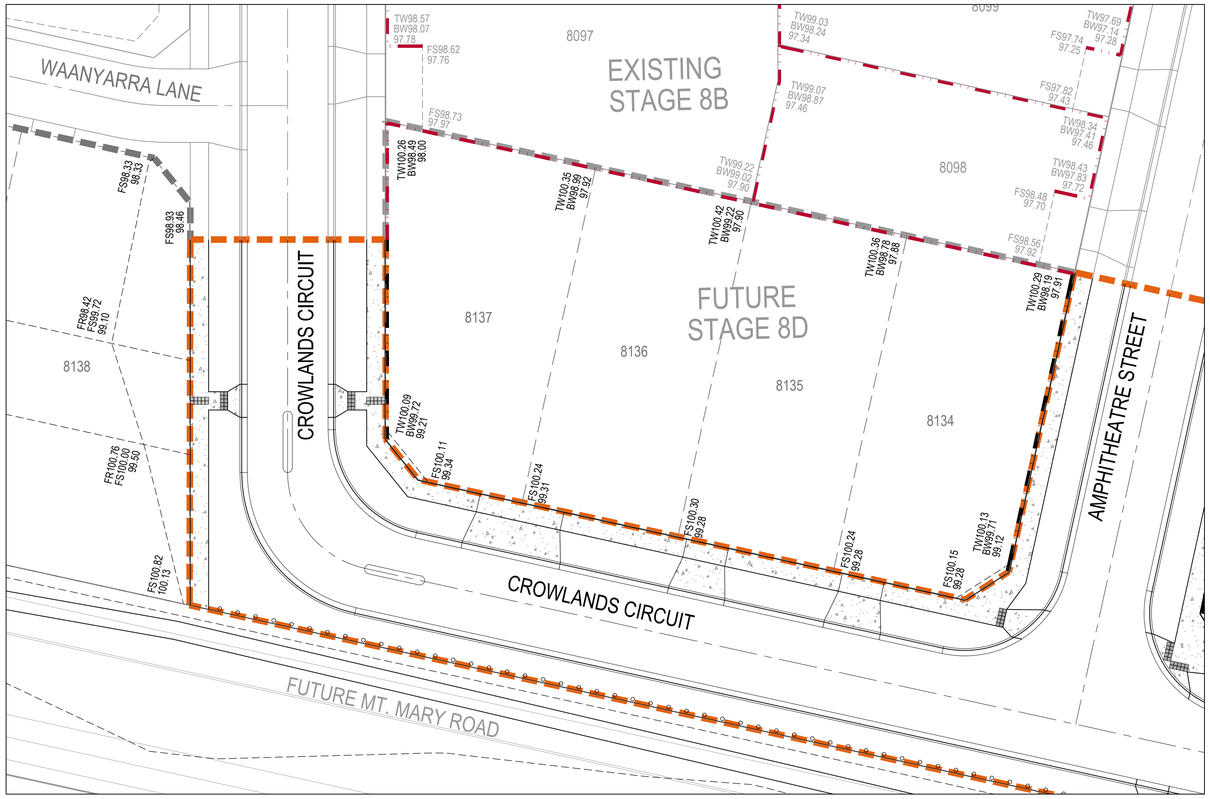
Last Saved: WBMN1953 Date Plotted: 6 Oct 2021 - 10:42AM File Name: C:\12dSW\data\AUSY01APP04\10029435-Eynesbury_46\D-DigEng\DA-CAD\DAC-Drawings\10029435-08\10029435-08C\c-08c-361-10029435-SwdCalcsTable.dwg V1

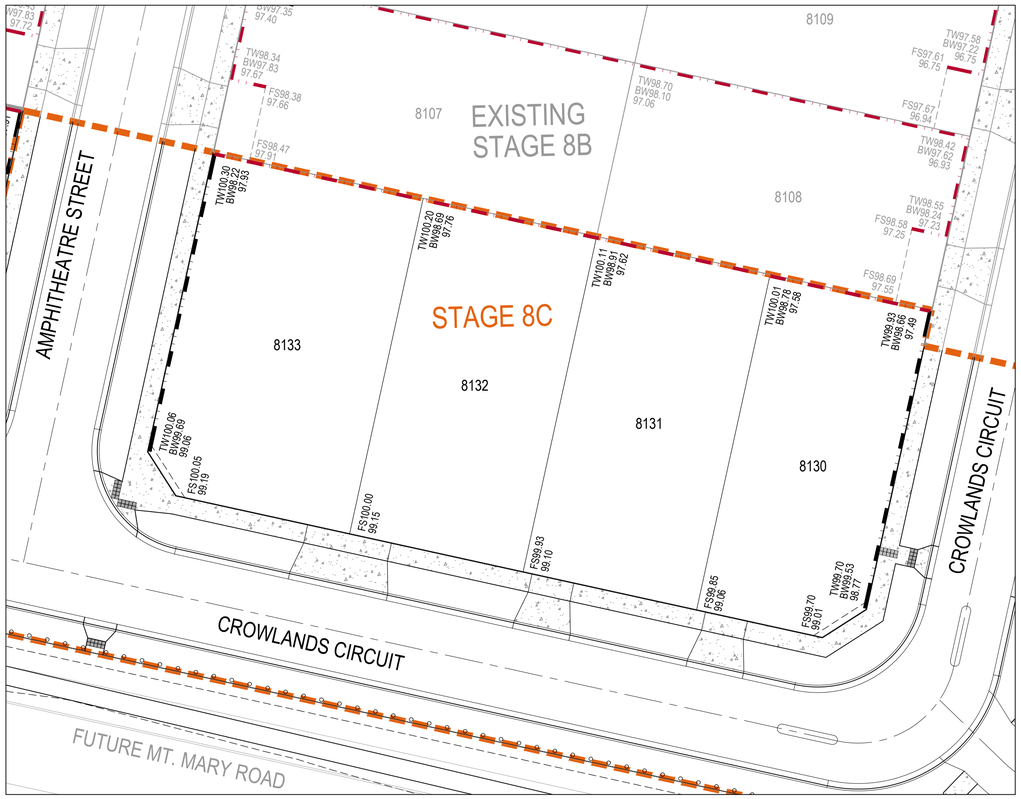
LEGEND

	PROPOSED STAGE BOUNDARY
FR98.86	FINISHED RIDGE LEVEL
FS97.14	FINISHED SURFACE LEVEL
TW98.16	TOP OF WALL LEVEL
BW98.16	BOTTOM OF WALL LEVEL
93.750	EXISTING SURFACE LEVEL
	PROPOSED CONCRETE FOOTPATH/DRIVEWAY
	PROPOSED KERB & CHANNEL
	PROPOSED RETAINING WALL
	EXISTING RETAINING WALL
	PROPOSED RIDGE LINE

NOTE:

1. FOR RETAINING WALL DESIGN AND DETAILS REFER TO MIGLIC STRUCTURAL DESIGN PLANS.





AS CONSTRUCTED RECORDS

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Issue	Description	By	Ckd	PM	Date
C	AS CONSTRUCTED	WB	ZS	SE	07.10.21
B	UPDATES TO LOT 8138	WB	ZS	SE	12.08.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	04.12.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	03.08.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	10.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.11.19

100mm on Original

Scale

0 5 10 15 20 25m

1 : 250

Planner

RobertsDay planning·design·place

Filename C-08c-700-10029435-RetainingWallPlan.dwg

Client

RESIMAX GROUP

Status	AS CONSTRUCTED
Verifier	Z.STROGUSZ
Scales	1:250
Original Size	A1
Height Datum	AHD
Grid	MGA

Original Issue Signatures

Drawn W.BUMAGAT

Designed J.ROCK

Project Manager S.EISEL

Project

EYNESBURY TOWNSHIP
STAGE 8C

Title

RETAINING WALL LAYOUT
PLAN SHEET 1 OF 2

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Drawing No.	Project No.	Issue
C-08C-700	10029435	C

Last Saved: WBMN1953 Date Plotted: 6 Oct 2021 - 10:58AM File Name: V1
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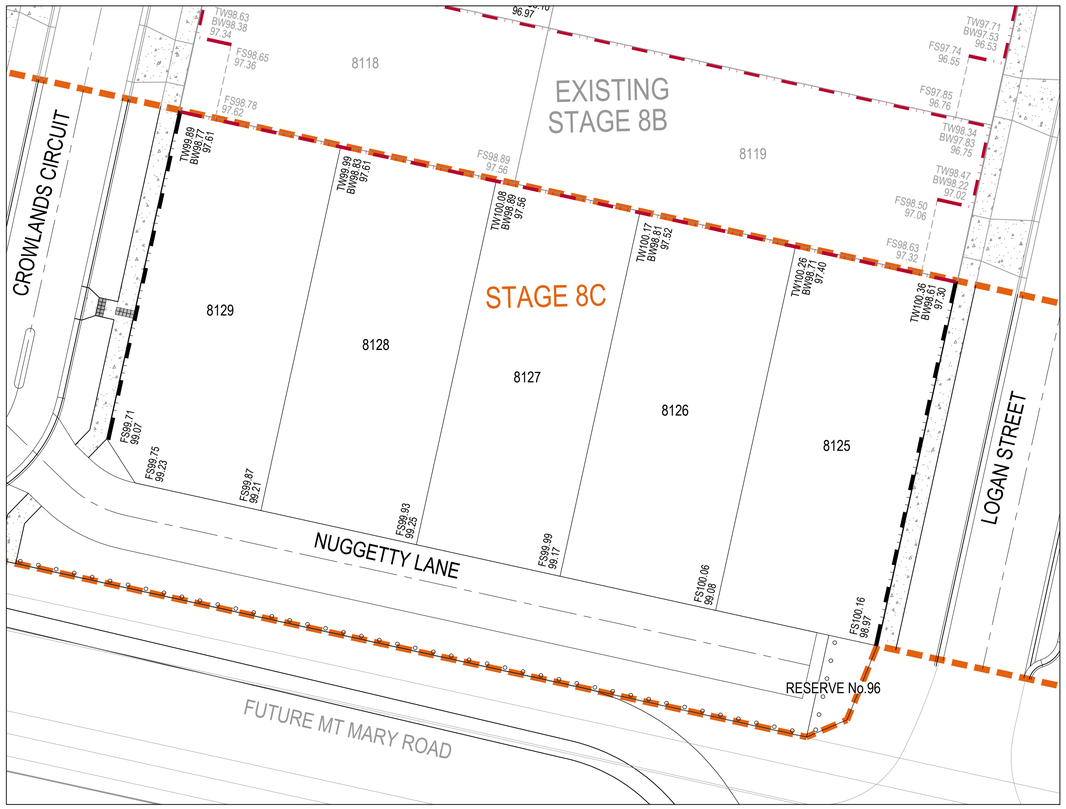
LEGEND

	PROPOSED STAGE BOUNDARY
FR98.86	FINISHED RIDGE LEVEL
FS97.14	FINISHED SURFACE LEVEL
TW98.16	TOP OF WALL LEVEL
BW98.16	BOTTOM OF WALL LEVEL
93.750	EXISTING SURFACE LEVEL
	PROPOSED CONCRETE FOOTPATH/DRIVEWAY
	PROPOSED KERB & CHANNEL
	PROPOSED RETAINING WALL
	EXISTING RETAINING WALL
	PROPOSED RIDGE LINE

NOTE:

1. FOR RETAINING WALL DESIGN AND DETAILS REFER TO MIGLIC STRUCTURAL DESIGN PLANS.



AS CONSTRUCTED RECORDS

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Issue	Description	By	Ckd	PM	Date
B	AS CONSTRUCTED	WB	ZS	SE	07.10.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	04.12.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	03.08.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	10.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.11.19

100mm on Original

Scale

0 5 10 15 20 25m

1 : 250

Planner

RobertsDay planning·design·place

Filename C-08c-701-10029435-RetainingWallPlan.dwg

Client

RESIMAX GROUP

Status: AS CONSTRUCTED

Verifier: Z.STROGUSZ

Scales: 1:250

Original Size: A1

Height Datum: AHD

Grid: MGA

Original Issue Signatures

Drawn W.BUMAGAT

Designed J.ROCK

Project Manager S.EISEL

Project: EYNESBURY TOWNSHIP STAGE 8C

Title: RETAINING WALL LAYOUT PLAN SHEET 2 OF 2

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Drawing No. C-08C-701 — Project No. 10029435 — Issue B

Last Saved: WBMN1953 Date Plotted: 6 Oct 2021 - 11:02AM File Name: V1
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LEGEND

- PROPOSED KERB & CHANNEL
- PROPOSED ROAD PAVEMENT
- PROPOSED CONCRETE FOOTPATH/DRIVEWAY
- STREET TREE
- KERB INLET DIVERSION. REFER TO DRAWING C-08C-711 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. C-08C-002.
2. PASSIVE IRRIGATION LOCATIONS ARE SUBJECT TO FINAL LANDSCAPE AND ELECTRICAL DESIGN PLANS.
3. FOR FURTHER DETAILS REFER TO THE LANDSCAPE ARCHITECT DESIGN PLANS.

AS CONSTRUCTED RECORDS

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Issue	Description	By	Ckd	PM	Date
B	AS CONSTRUCTED	WB	ZS	SE	07.10.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	04.12.20
04	UPDATES TO ADDRESS COUNCIL COMMENTS	HP	ZS	SE	19.08.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	03.08.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	10.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.11.19

100mm on Original

Scale

0 5 10 20 30 40 50m

1 : 500

Planner

RobertsDay planning·design·place

Filename C-08c-710-10029435-LandscapeLayoutPlan.dwg

Client

RESIMAX GROUP

Status: AS CONSTRUCTED

Verifier: Z.STROGUSZ

Scales	1:500	Original Issue Signatures	
Original Size	A1	Drawn W.BUMAGAT	
Height Datum	AHD	Designed J.ROCK	
Grid	MGA	Project Manager S.EISEL	
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Project: EYNESBURY TOWNSHIP STAGE 8C

Title: PASSIVE IRRIGATION LAYOUT

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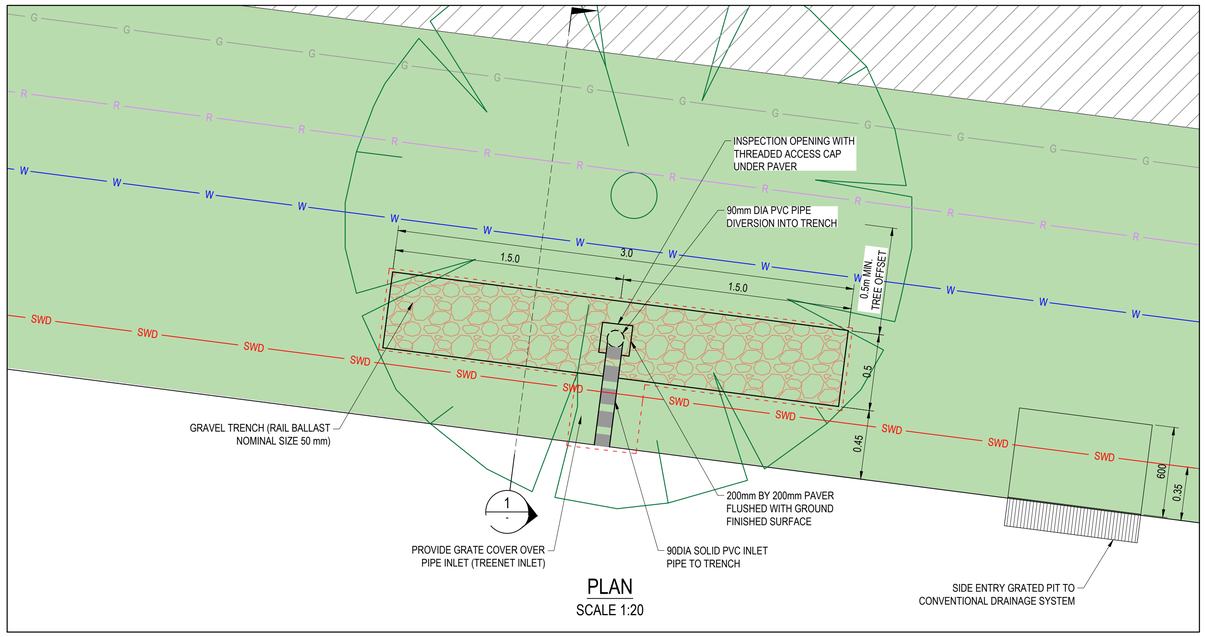
Drawing No.	Project No.	Issue
C-08C-710	10029435	B

Last Saved: WBMN1953 Date Plotted: 6 Oct 2021 - 11:07AM File Name: C:\12dSW\data\AUSY01APP04\10029435-Eynesbury_46\D-DigEng\DA-CAD\DAC-Drawings\10029435-08\10029435-08C\c-08c-710-10029435-LandscapeLayoutPlan.dwg V1

NOTE:

GRAVEL TRENCH - KERB INLET

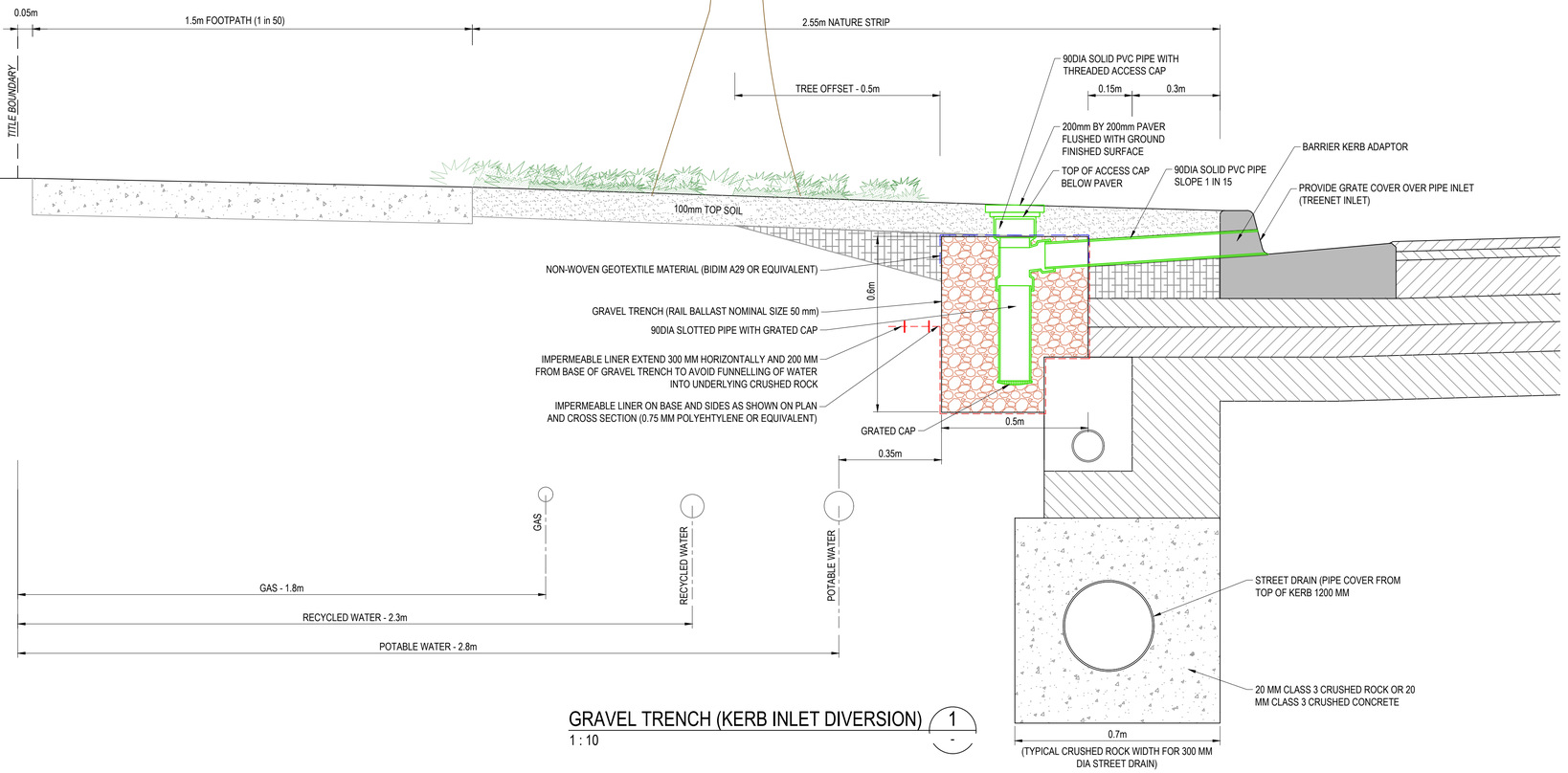
1. TOP OF GRAVEL TRENCH TO BE LINED WITH NON-WOVEN GEOTEXTILE MATERIAL AS SHOWN TO PREVENT FINE MIGRATION INTO TRENCH.
2. PASSIVE IRRIGATION PIPES AND FITTINGS TO BE 90mm DIAMETER PVC SEWER CLASS.
3. ALL PVC JOINTS TO BE SEALED WITH SOLVENT CEMENT.
4. ALL GRASSED AREAS TO BE TOP DRESSED WITH 100 MM TOPSOIL AND SEEDED AS SPECIFIED.
5. SERVICE DEPTHS AND LOCATIONS ARE INDICATIVE ONLY.
6. FOR GENERAL NOTES, REFER TO DRAWING No. C-08C-002.



PLAN

SCALE 1:20

TREENET INLET



GRAVEL TRENCH (KERB INLET DIVERSION) 1 / -

1 : 10

AS CONSTRUCTED RECORDS

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Issue	Description	By	Ckd	PM	Date
B	AS CONSTRUCTED	WB	ZS	SE	07.10.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	04.12.20
05	SUBSOIL DRAIN EXTENTS AMENDED	MD	ZS	JM	26.08.20
04	UPDATES TO ADDRESS COUNCIL COMMENTS	HP	ZS	SE	19.08.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	03.08.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	10.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.11.19

100mm on Original

Scale

0 0.5 1 1.5 2m

1 : 20

0 100 200 400 600 800 1000mm

1 : 10

Planner: RobertsDay planning·design·place

Filename C-08c-711-10029435-LandscapeDetails.dwg

Client: RESIMAX GROUP

Status: AS CONSTRUCTED

Verifier: Z.STROGUSZ

Scales: 1:10, 1:20

Original Size: A1

Height Datum: AHD

Grid: MGA

Original Issue Signatures: Drawn W.BUMAGAT; Designed J.ROCK; Project Manager S.EISEL

Project: EYNESBURY TOWNSHIP STAGE 8C

Title: PASSIVE IRRIGATION DETAILS

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Drawing No. C-08C-711 — Project No. 10029435 — Issue B