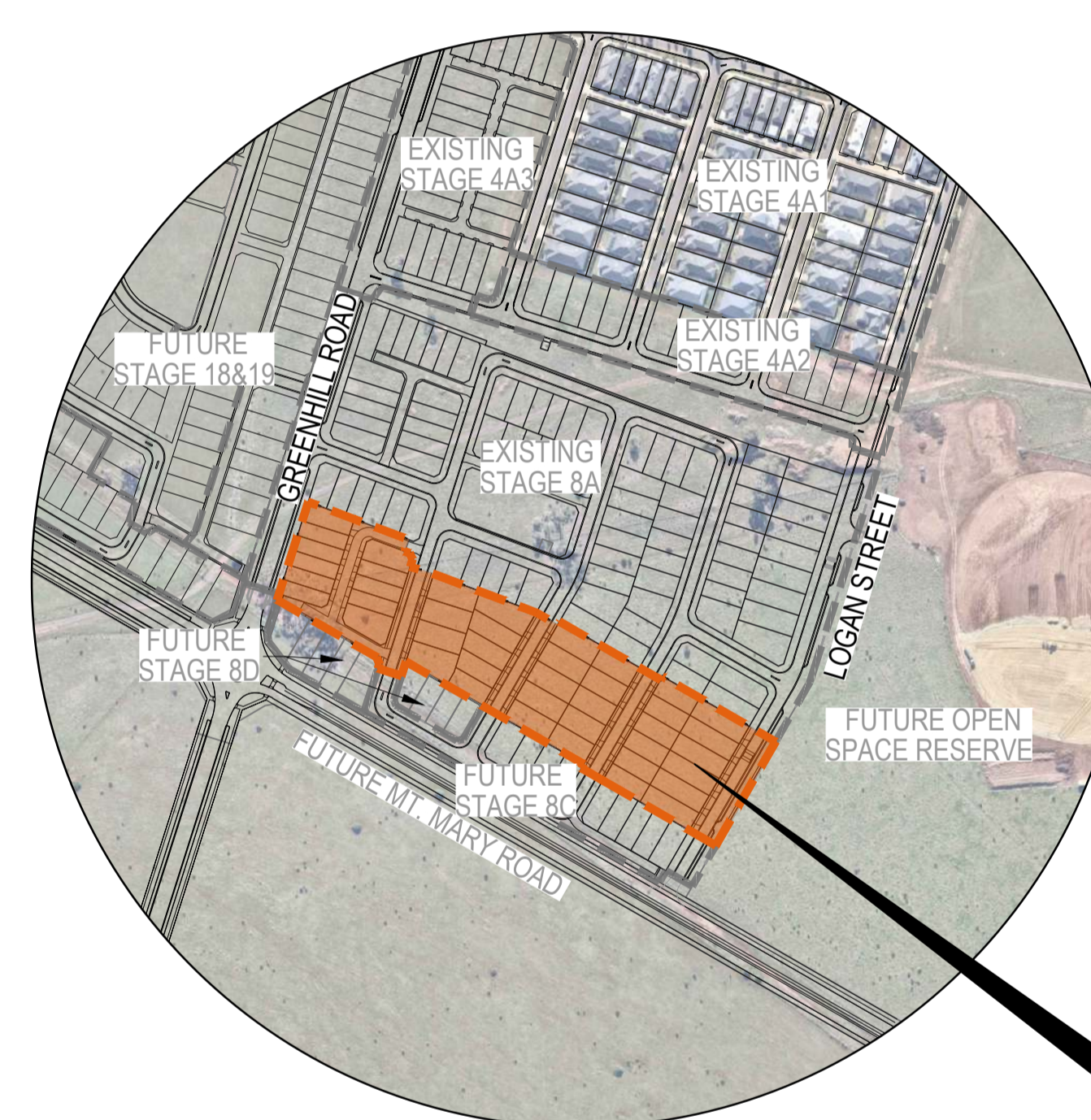


EYNESBURY TOWNSHIP

STAGE 8B CIVIL WORKS

MELTON CITY COUNCIL

DRAWING SCHEDULE	
DRAWING No.	DRAWING DESCRIPTION
C-08B-001	COVER SHEET, LOCALITY PLAN AND DRAWING SCHEDULE
C-08B-002	GENERAL NOTES
C-08B-100	EARTHWORKS LAYOUT PLAN
C-08B-200	SETOUT PLAN
C-08B-220	ROADWORKS AND DRAINAGE LAYOUT PLAN
C-08B-240	LOGAN STREET ROAD LONGITUDINAL SECTION
C-08B-241	LOGAN STREET ROAD CROSS SECTIONS SHEET 1 OF 2
C-08B-242	LOGAN STREET ROAD CROSS SECTIONS SHEET 2 OF 2
C-08B-243	CROWLANDS CIRCUIT ROAD LONGITUDINAL SECTION
C-08B-244	CROWLANDS CIRCUIT ROAD CROSS SECTION SHEET 1 OF 2
C-08B-245	CROWLANDS CIRCUIT ROAD CROSS SECTION SHEET 2 OF 2
C-08B-246	AMPHITHEATRE STREET ROAD LONGITUDINAL SECTION
C-08B-247	AMPHITHEATRE STREET ROAD CROSS SECTION
C-08B-248	WAANYARRA LANE MC12 ROAD LONGITUDINAL SECTION
C-08B-249	WAANYARRA LANE MC12 ROAD CROSS SECTION
C-08B-250	WAANYARRA LANE MC13 ROAD LONGITUDINAL AND CROSS SECTION
C-08B-260	INTERSECTION DETAILS
C-08B-280	TYPICAL DETAILS SHEET 1 OF 2
C-08B-281	TYPICAL DETAILS SHEET 2 OF 2
C-08B-290	LINEMARKING AND SIGNAGE PLAN
C-08B-300	STORMWATER DRAINAGE LONGITUDINAL SECTION SHEET 1 OF 4
C-08B-301	STORMWATER DRAINAGE LONGITUDINAL SECTION SHEET 2 OF 4
C-08B-302	STORMWATER DRAINAGE LONGITUDINAL SECTION SHEET 3 OF 4
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C-08B-320	STORMWATER DRAINAGE PIT SCHEDULE
C-08B-350	STORMWATER DRAINAGE Q5 CATCHMENT PLAN
C-08B-351	STORMWATER DRAINAGE Q100 CATCHMENT PLAN
C-08B-360	STORMWATER DRAINAGE CALCULATION TABLES SHEET 1 OF 2
C-08B-361	STORMWATER DRAINAGE CALCULATION TABLES SHEET 2 OF 2
C-08B-700	RETAINING WALL LAYOUT PLAN SHEET 1 OF 2
C-08B-701	RETAINING WALL LAYOUT PLAN SHEET 2 OF 2
C-08B-710	PASSIVE IRRIGATION LAYOUT
C-08B-711	PASSIVE IRRIGATION DETAILS



LOCALITY PLAN
N.T.S
MELWAY REF 110 B10

LOCATION OF SITE OF WORKS

LEVEL DATUM
PSM 31
RL 88.74

REAL PROPERTY DESCRIPTION
LOT S82 ON PS543210K
PARISH OF MOORADORANOOK
LOCAL AUTHORITY - MELTON CITY COUNCIL

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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 ACCEPTS 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	13.10.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	11.08.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19

Scale
Planner
Client
Status
Project
Title
Drawing No.
Project No.
Issue

Planner: **RD RobertsDay** *planning.design.place*

Client: **RESIMAX GROUP**

Status: **AS CONSTRUCTED**

Project: **EYNESBURY TOWNSHIP STAGE 8B**

Title: **COVER SHEET, LOCALITY PLAN AND DRAWING SCHEDULE**

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

Verifier: **Z.STROGUSZ**

Scales: **NTS**

Original Issue Signatures:
Drawn: **W.BUMAGAT**
Designed: **J.ROCK**

Original Size: **A1**

Height Datum: **AHD**

Grid: **MGA**

Project Manager: **S.EISEL**

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Project: **EYNESBURY TOWNSHIP STAGE 8B**

Title: **COVER SHEET, LOCALITY PLAN AND DRAWING SCHEDULE**

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

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GENERAL NOTES

- ALL DIMENSIONS ON THE DRAWINGS ARE IN METRES UNLESS SHOWN OTHERWISE.
- ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE GENERAL CONDITIONS OF CONTRACT, AS AMENDED.
- 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.
- 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.
- ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE AUTHORITY APPROVED ARCADIS PROJECT DRAWINGS AND CONTRACT SPECIFICATIONS.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- NO WORK SHALL BE CARRIED OUT WITHIN 3 METRES OF ANY EXISTING SERVICES WITHOUT PRIOR RECORDED CONSULTATION WITH THE RELEVANT AUTHORITY.
- ALL EXISTING SERVICES & STRUCTURES ARE TO BE MAINTAINED IN GOOD ORDER FOR THE DURATION OF THE CONTRACT & WHERE RELOCATION IS REQUIRED, REFER SPECIFICATION.
- COUNCIL AND SUPERINTENDENT TO BE NOTIFIED SEVEN (7) BUSINESS DAYS PRIOR TO COMMENCEMENT OF WORKS.
- CONTRACTOR SHALL MEET THE REQUIREMENTS OF THE CULTURAL MANAGEMENT PLAN FOR THIS STAGE.
- ALL AREAS DISTURBED AS RESULT OF CONNECTION TO EXISTING UTILITY SERVICES, ROADWAYS AND ADJOINING PROPERTIES SHALL BE REINSTATED AS PART OF THE WORKS.
- ALL NEW WORKS SHALL MATCH NEATLY TO EXISTING AND TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT.

SURVEY NOTES

- 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.
- THE INFORMATION IS NOT INTENDED TO PROVIDE THE CONTRACTOR WITH COMPLETE OR ACCURATE INFORMATION CONCERNING THE LOCATION & EXTENT OF UTILITY SERVICES.
- THE CONTRACTOR SHALL VERIFY THE LOCATION, DEPTH & EXTENT OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF WORK.
- 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.
- SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, THE CONTRACTOR SHALL CONTACT THE CONSTRUCTION SUPERINTENDENT.
- ALL HIGH STABILITY PSM'S ARE TO BE TO MGA COORDINATES & LEVELLED BY A LICENSED SURVEYOR WITH RESULTS FORWARDED TO COUNCIL.
- ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM AND ALL COORDINATES ARE TO MAP GRID OF AUSTRALIA (MGA) ZONE 55 UNLESS NOTED OTHERWISE.
- TBM'S TO BE RE-ESTABLISHED BY THE LICENSED SURVEYOR IF FOUND TO BE MISSING AT THE COMMENCEMENT OF CONSTRUCTION.
- SHOULD ANY MARKS BE DISTURBED, THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE DEVELOPER'S CONSULTANT TO ARRANGE RE-INSTATEMENT AT THE CONTRACTORS EXPENSE.
- THE CONTRACTOR MUST COMPLETE A LEVEL CHECK BETWEEN ALL TBMS TO VERIFY LEVEL VALUES BEFORE COMMENCEMENT OF WORKS.

WORKING IN CLOSE PROXIMITY TO OVERHEAD ELECTRICAL POWERLINES NOTES

- THE CONTRACTOR SHALL TAKE CARE WHEN UNDERTAKING WORKS WITHIN CLOSE PROXIMITY TO OVERHEAD POWERLINES AND SHALL CONDUCT WORKS IN ACCORDANCE WITH AUTHORITY REQUIREMENTS.
- THE CONTRACTOR SHALL PROVIDE A MINIMUM TEN (10) BUSINESS DAYS NOTIFICATION PERIOD TO THE AUTHORITY PRIOR TO COMMENCEMENT OF WORKS.
- 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.
- 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.
- 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.
- 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.
- 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
- 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

- THE CONTRACTOR SHALL TAKE CARE WHEN UNDERTAKING WORKS WITHIN CLOSE PROXIMITY TO GAS TRANSMISSION PIPELINES AND SHALL CONDUCT WORKS IN ACCORDANCE WITH AUTHORITY REQUIREMENTS.
- 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.
- PROVING SHALL BE UNDERTAKEN BY HAND AND UNDER THE SUPERVISION OF A CORPORATION INSPECTOR.
- 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 ≤ 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
- THE CONTRACTOR SHALL ENSURE THAT THE MINIMUM CLEARANCES ARE ACHIEVED ONSITE.
- NO MECHANICAL EQUIPMENT SHALL BE USED WITHIN 1.0m OF THE PIPELINE AT ALL TIMES EXCEPT FOR BORING OPERATIONS.
- 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.
- 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

- 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.
- ANY CLEARING REQUIRED TO BE UNDERTAKEN BY THE CONTRACTOR IS TO BE STRICTLY IN ACCORDANCE WITH THE APPROVED ENVIRONMENTAL MANAGEMENT PLAN.
- 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.
- EROSION & SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED PRIOR TO COMMENCEMENT OF CLEARING & GRUBBING WORKS.
- CONTRACTOR TO PROVIDE ADEQUATE PROTECTION AGAINST SILT RUNOFF FROM THE SITE AS PART OF THEIR ENVIRONMENTAL MANAGEMENT PLAN (EMP).
- 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.
- NO NATIVE VEGETATION SHALL BE DESTROYED, FELLED, LOPPED RING BARKED OR UPROOTED WITHOUT THE CONSENT OF THE MUNICIPAL ENGINEER OR HIS REPRESENTATIVE.
- 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.
- PRIOR TO REMOVAL, TREES ARE TO BE MARKED BY CONTRACTOR AND APPROVED BY THE CONSTRUCTION SUPERINTENDENT AND COUNCIL REPRESENTATIVE.
- TREES ARE TO BE MULCHED & STOCKPILED ON SITE FOR USE IN LANDSCAPING.
- WHERE PARTS OF TREES CANNOT BE MULCHED, THEY ARE TO BE DISPOSED OF OFF-SITE AT AN APPROVED FACILITY.
- 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

- ALL WORK SHOULD BE UNDERTAKEN IN ACCORDANCE WITH AS 3798-2007 GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS AND UNDER LEVEL 1 SUPERVISION.
- THE CONTRACTOR IS TO FENCE LIMIT PRIOR TO PRE START MEETING WITH COUNCIL.
- EROSION & SEDIMENT CONTROL MEASURES ARE TO BE MAINTAINED DURING EARTHWORKS.
- 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.
- DESIGN LEVELS GIVEN ARE FINISHED SURFACE LEVELS INCLUSIVE OF TOPSOIL.
- REFER TO ROAD CROSS SECTIONS FOR BATTER GRADES. BATTER GRADES OF MAXIMUM 1 IN 6 SHALL BE ADOPTED WHERE GRADES ARE NOT SPECIFIED.
- 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.
- 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.
- 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.
- ALL RETAINING WALL SUBSURFACE DRAINAGE SHALL ACHIEVE LEGAL POINT OF DISCHARGE TO STORMWATER DRAINAGE INFRASTRUCTURE.
- THE CONTRACTOR SHALL OBTAIN COUNCIL APPROVAL FOR THE REMOVAL AND DISPOSAL OF ANY EXCAVATED MATERIAL OR TOPSOIL NOT BEING RETAINED ONSITE.
- ALL ALLOTMENTS AND RESERVES SHALL BE SMOOTHED, GRADED AND SHAPED TO AN EVEN SURFACE AND BE FREE DRAINING.
- 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

- CHAINAGES TO ROADWAYS AND DRAINAGE CHANNELS ARE MEASURED ALONG THE CONTROL LINE / CENTRELINE UNLESS NOTED OTHERWISE.
- CHAINAGES AND RADII TO CUL-DE-SAC HEADS AND KERB RETURNS ARE TO LIP OF KERB UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL OBTAIN ANY ROAD OPENING PERMIT PRIOR TO UNDERTAKING ANY WORKS WITHIN AN EXISTING ROADWAY INCLUSIVE OF ANY REQUIRED TRAFFIC MANAGEMENT PLANS.
- THE CONTRACTOR SHALL ERECT TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE APPROVED TRAFFIC MANAGEMENT PLAN.
- 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.
- 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.
- 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%.
- THE NATURE STRIPS AND CUT OR FILLED AREAS ARE TO BE TOPSOILED WITH 100mm OF APPROVED MATERIAL.
- THE CONTRACTOR SHALL COORDINATE WITH ALL SUBCONTRACTORS AND AUTHORITIES ENSURE THAT ALL SERVICES ARE INSTALLED PRIOR TO INSTALLATION OF THE FINAL PAVEMENT COURSE.
- SUBSOIL DRAINS SHALL BE PROVIDED UNDER ALL KERBS IN ACCORDANCE WITH AUTHORITY STANDARDS.
- SUBSOIL DRAIN LOCATION & EXTENTS SHALL BE DETERMINED ON SITE BY THE SITE ENGINEER / SUPERINTENDENT.
- 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.
- ALL ROAD CROSSING CONDUITS SHALL BE INSTALLED TO THE RELEVANT AUTHORITY STANDARDS.
- KERB MARKERS ARE TO BE INSTALLED TO THE KERB FACE ABOVE UTILITY CONDUIT LOCATIONS AND UNDERGROUND STORMWATER CONNECTIONS IN ACCORDANCE WITH AUTHORITY REQUIREMENTS.
- 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.
- 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.
- ALL DRIVEWAYS TO BE CONSTRUCTED IN ACCORDANCE WITH AUTHORITY STANDARDS AND SHALL BE OFFSET 0.75m FROM SIDE BOUNDARY OR EASEMENT UNLESS NOTED OTHERWISE.
- ALL DRIVEWAYS AND PRAM RAMPS SHALL BE LOCATED A MINIMUM 1.0m FROM STORMWATER PITS.
- ALL PRAM RAMPS SHALL BE LOCATED A MINIMUM OF 2.0m FROM DRIVEWAYS.

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.

STORMWATER DRAINAGE NOTES


- 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.
- ALL DRAINAGE PIPES SHALL BE RUBBER RING BELLED SOCKET JOINTS (RRJ) UNLESS NOTED OTHERWISE.
- ALL DRAINAGE TRENCHES TO BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH AUTHORITY STANDARDS.
- 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.
- 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.
- STORMWATER DRAINAGE PIPES SHALL NOT BE SUBJECT TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN ASSESSED IN ACCORDANCE WITH AS 3725-2007, LOADS ON BURIED PIPES.
- CONCRETE PIPES DAMAGED DUE TO CONSTRUCTION LOADS SHALL BE REPLACED AT THE CONTRACTOR'S COST.
- DRAINAGE PITS SHALL BE CAST MONOLITHICALLY WITH CEMENT RENDER ONLY USED FOR DEFECT REPAIRS.
- WHERE THE DROP THROUGH A STORMWATER PIT IS LESS THAN 50mm THE CONTRACTOR SHALL PROVIDE HALF HEIGHT CONCRETE BENCHING IN ACCORDANCE WITH AUTHORITY STANDARDS.
- CONTRACTOR IS TO VERIFY ALL FINISHED SURFACE LEVELS OF PROPOSED STORMWATER PITS BEFORE CONSTRUCTING TO FINISHED LEVELS.
- ALL STORMWATER PIT COVERS AND GRATES SHALL BE IN ACCORDANCE WITH AUTHORITY STANDARDS.
- ALL PROPERTY INLET CONNECTIONS TO DRAINAGE INFRASTRUCTURE WITHIN COUNCIL ROAD RESERVE SHALL BE CONSTRUCTED IN ACCORDANCE WITH AUTHORITY STANDARDS
- 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

- THE CONTRACTOR SHALL CONFIRM THE ROAD NAMES WITH THE CONSTRUCTION SUPERINTENDENT PRIOR TO ORDERING OF STREET NAME SIGNAGE.
- 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.
- 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.
- ALL TRAFFIC SIGNS TO BE SIZE 'B' UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL SUPPLY AND ERECT ALL STREET SIGNAGE IN ACCORDANCE WITH THE AUTHORITY STANDARDS.
- ALL SIGNAGE TO BE MADE REDUNDANT ARE TO BE REMOVED FROM SITE OR RELOCATED AS SHOWN ON THE DRAWINGS.
- FINAL SIGN LOCATIONS TO BE DETERMINED ON SITE BY THE SUPERINTENDENT AND COUNCIL REPRESENTATIVE.
- EXISTING LINEMARKING MADE REDUNDANT BY NEW LINEMARKING IS TO BE REMOVED BY HIGH PRESSURE WATER BLASTING OR OTHER METHOD APPROVED BY THE AUTHORITY.
- ALL LINEMARKING TO BE LONG LIFE THERMOPLASTIC REFLECTORISED WHITE PAINT UNLESS NOTED OTHERWISE.
- GUIDEPOSTS TO BE INSTALL IN ACCORDANCE WITH AUTHORITY STANDARDS.
- ALL TACTILE GROUND SURFACE INDICATORS SHALL BE INSTALLED IN ACCORDANT WITH AS1428.4.1.

Issue	Description	By	Ckd	PM	Date
B	AS CONSTRUCTED	WB	ZS	SE	07.10.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	13.10.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19

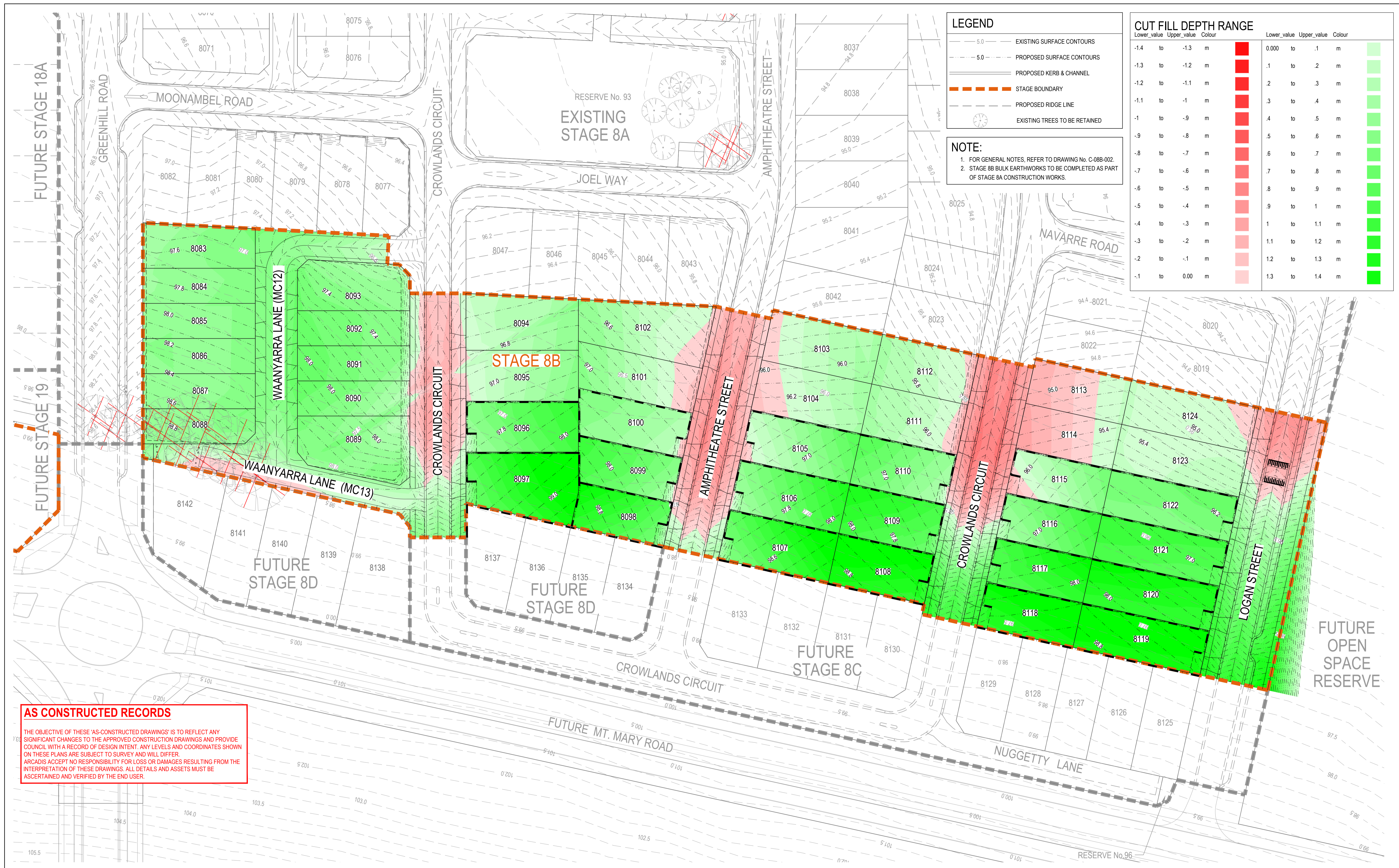
Scale	Planner
	
	Filename C-08b-002-10029435-Notes.dwg

Client	
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Status	AS CONSTRUCTED
Verifier	Z.STROGUSZ
Scales	Original Issue Signatures
Original Size	A1
Height Datum	AHD
Grid	MGA

Project	EYNESBURY TOWNSHIP STAGE 8B
Title	GENERAL NOTES
Drawing No.	C-08B-002
Project No.	10029435
Issue	B

	
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	



LEGEND

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

NOTE:

- FOR GENERAL NOTES, REFER TO DRAWING No. C-08B-002.
- STAGE 8B BULK EARTHWORKS TO BE COMPLETED AS PART OF STAGE 8A CONSTRUCTION WORKS.

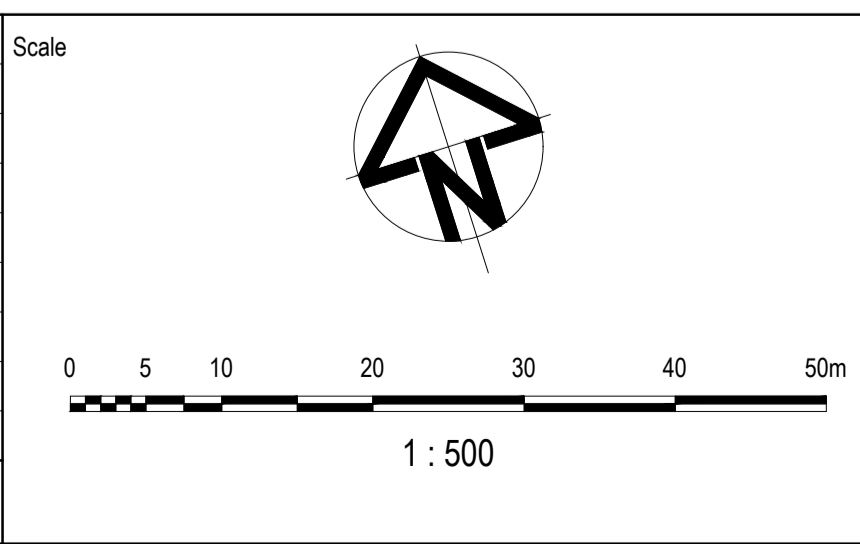
CUT FILL DEPTH RANGE

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-1.3	-1.2	Red	.1	.2	Light Green
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-1.1	-1.0	Red	.3	.4	Light Green
-1.0	-.9	Red	.4	.5	Light Green
-.9	-.8	Red	.5	.6	Light Green
-.8	-.7	Red	.6	.7	Light Green
-.7	-.6	Red	.7	.8	Light Green
-.6	-.5	Red	.8	.9	Light Green
-.5	-.4	Red	.9	1.0	Light Green
-.4	-.3	Red	1.0	1.1	Light Green
-.3	-.2	Red	1.1	1.2	Light Green
-.2	-.1	Red	1.2	1.3	Light Green
-.1	0.00	Red	1.3	1.4	Light Green

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 ACCEPTS 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	13.10.20
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03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	28.07.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19



Planner

Client

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

Status

AS CONSTRUCTED

Verifier

Z.STROGUSZ

Scales

1:500

Original Issue Signatures

Drawn W.BUMAGAT

Designed J.ROCK

Project Manager S.EISEL

Original Size

A1

Height Datum

AHD

Grid

MGA

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Project

EYNESBURY TOWNSHIP
STAGE 8B

Title

EARTHWORKS LAYOUT PLAN

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-08B-100

Project No. 10029435

Issue B

Scale

1 : 500

Planner

Client

Status

AS CONSTRUCTED

Verifier

Z.STROGUSZ

Scales

1:500

Original Issue Signatures

Drawn W.BUMAGAT

Designed J.ROCK

Project Manager S.EISEL

Original Size

A1

Height Datum

AHD

Grid

MGA

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Project

EYNESBURY TOWNSHIP
STAGE 8B

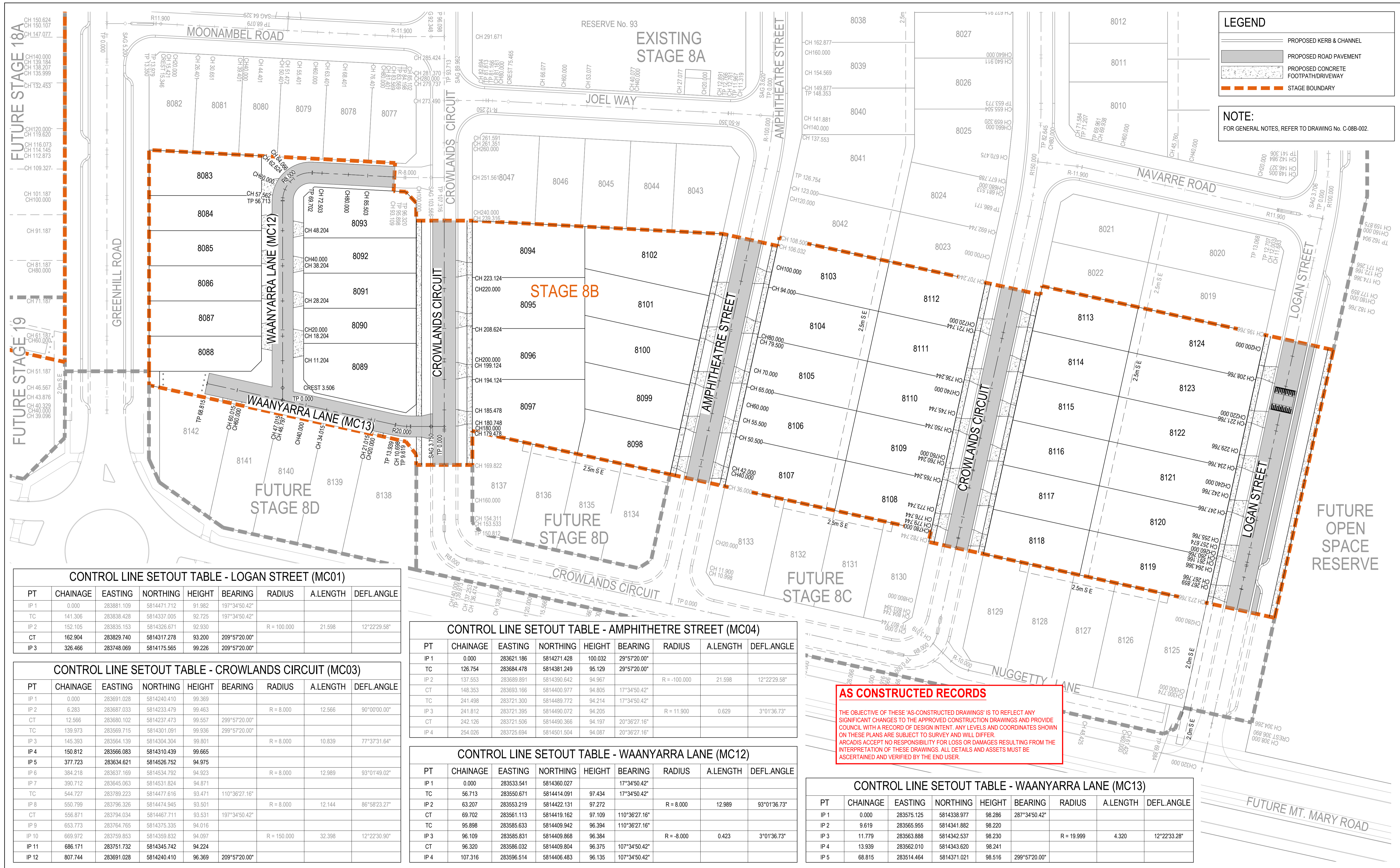
Title

EARTHWORKS LAYOUT PLAN

Drawing No. C-08B-100

Project No. 10029435

Issue B



LEGEND

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

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

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	283659.715	5814301.091	99.936	299°57'20.00"			
IP 3	145.393	283654.139	5814304.304	99.801		R = 8.000	10.839	77°37'31.64"
IP 4	150.812	283656.083	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	96.369	209°57'20.00"			

CONTROL LINE SETOUT TABLE - AMPHITRE 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 - WAANYARRA LANE (MC12)

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RADIUS	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283533.541	5814380.027		17°34'50.42"			
TC	56.713	283550.671	5814414.091	97.434	17°34'50.42"			
IP 2	63.207	283553.219	5814422.131	97.272		R = 8.000	12.989	93°01'36.73"
CT	69.702	283561.113	5814419.162	97.109	110°36'27.16"			
TC	95.898	283585.633	5814409.942	96.394	110°36'27.16"			
IP 3	96.109	283585.831	5814409.868	96.384		R = -8.000	0.423	3°01'36.73"
CT	96.320	283586.032	5814409.804	96.375	107°34'50.42"			
IP 4	107.316	283596.514	5814406.483	96.135	107°34'50.42"			

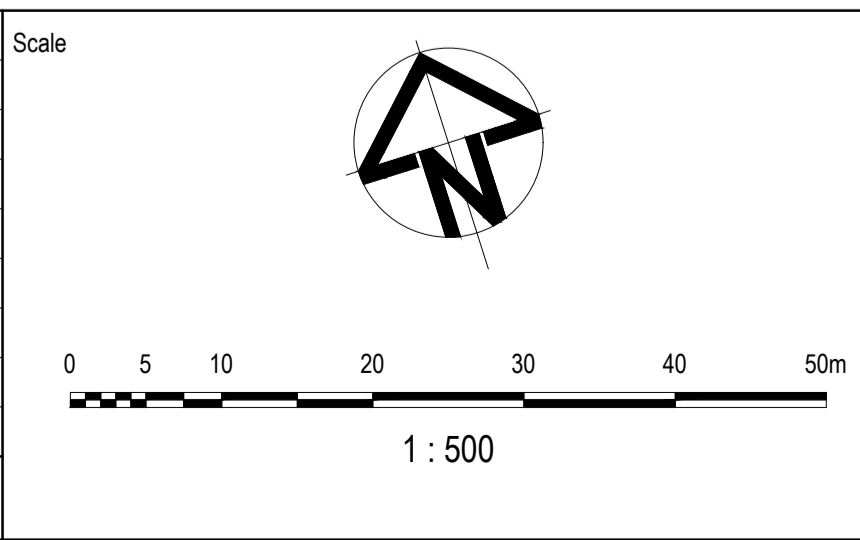
AS CONSTRUCTED RECORDS

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 ACCEPTS 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 TABLE - WAANYARRA LANE (MC13)

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RADIUS	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283575.125	5814338.977	98.286	287°34'50.42"			
IP 2	9.619	283565.955	5814341.882	98.220				
IP 3	11.779	283563.888	5814342.537	98.230		R = 19.999	4.320	12°22'33.28"
IP 4	13.939	283562.010	5814343.620	98.241				
IP 5	68.815	283514.464	5814371.021	98.516	299°57'20.00"			

Issue	Description	By	Ckd	PM	Date
B	AS CONSTRUCTED	WB	ZS	SE	07.10.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	13.10.20
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03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	28.07.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19



Planner

Client

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

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**

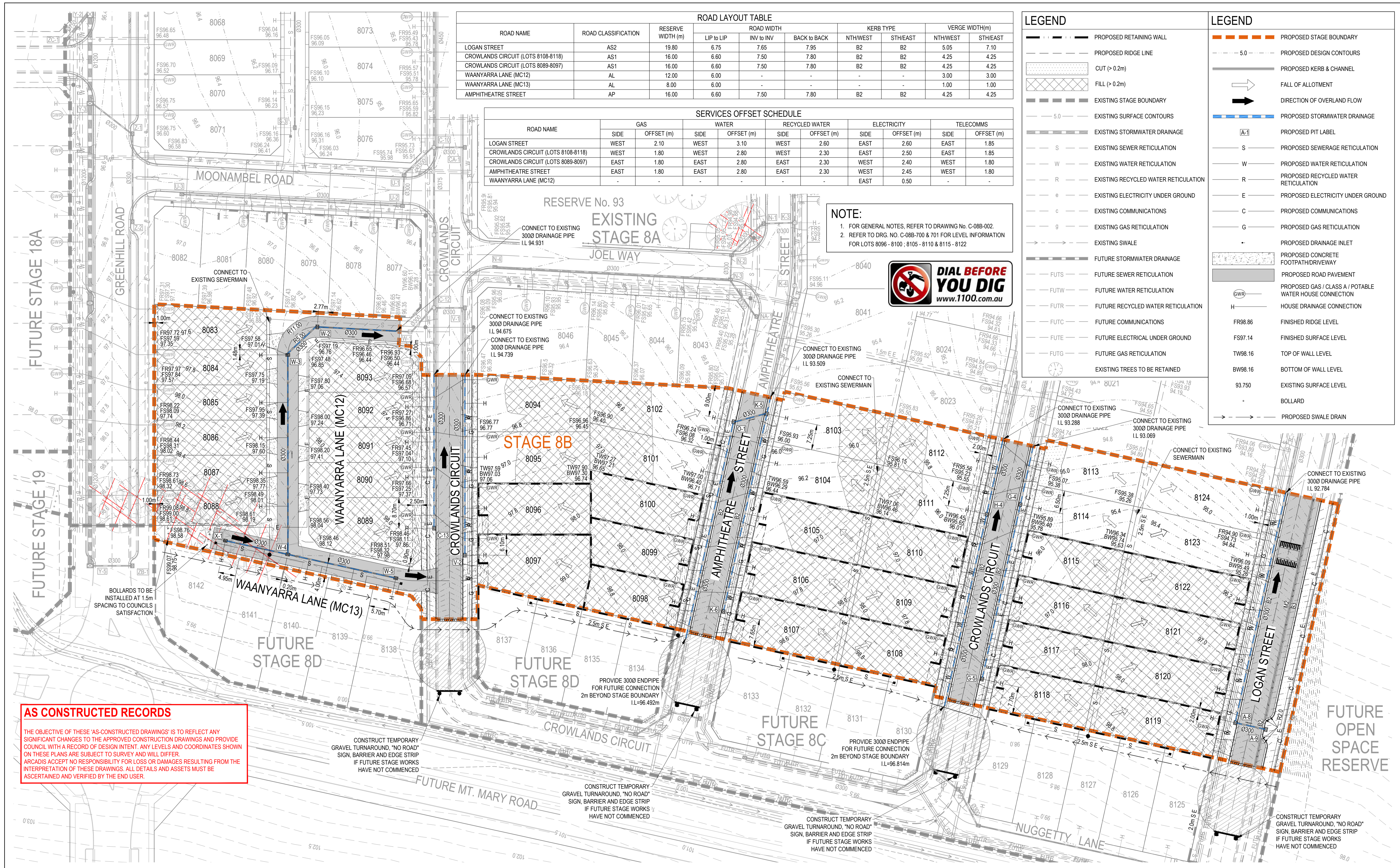
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Project: **EYNESBURY TOWNSHIP STAGE 8B**

Title: **SETOUT PLAN**

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-08B-200** Project No. **10029435** Issue **B**



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	7.65	7.95	B2	B2	5.05	7.10
CROWLANDS CIRCUIT (LOTS 8108-8118)	AS1	16.00	6.60	7.50	7.80	B2	B2	4.25	4.25
CROWLANDS CIRCUIT (LOTS 8089-8097)	AS1	16.00	6.60	7.50	7.80	B2	B2	4.25	4.25
WAANYARRA LANE (MC12)	AL	12.00	6.00	-	-	-	-	3.00	3.00
WAANYARRA LANE (MC13)	AL	8.00	6.00	-	-	-	-	1.00	1.00
AMPHITHEATRE STREET	AP	16.00	6.60	7.50	7.80	B2	B2	4.25	4.25

ROAD NAME	SIDE	GAS		WATER		RECYCLED WATER		ELECTRICITY		TELECOMMS	
		OFFSET (m)	DEPTH (m)	OFFSET (m)	DEPTH (m)	OFFSET (m)	DEPTH (m)	OFFSET (m)	DEPTH (m)	OFFSET (m)	DEPTH (m)
LOGAN STREET	WEST	2.10	-	3.10	-	2.60	-	2.60	-	1.85	-
CROWLANDS CIRCUIT (LOTS 8108-8118)	WEST	1.80	-	2.80	-	2.30	-	2.50	-	1.85	-
CROWLANDS CIRCUIT (LOTS 8089-8097)	EAST	1.80	-	2.80	-	2.30	-	2.40	-	1.80	-
AMPHITHEATRE STREET	EAST	1.80	-	2.80	-	2.30	-	2.45	-	1.80	-
WAANYARRA LANE (MC12)	-	-	-	-	-	-	-	0.50	-	-	-

NOTE:
 1. FOR GENERAL NOTES, REFER TO DRAWING No. C-08B-002.
 2. REFER TO DRG. NO. C-08B-700 & 701 FOR LEVEL INFORMATION FOR LOTS 8096 - 8100, 8105 - 8110 & 8115 - 8122



LEGEND		LEGEND	
	PROPOSED RETAINING WALL		PROPOSED STAGE BOUNDARY
	PROPOSED RIDGE LINE		PROPOSED DESIGN CONTOURS
	CUT (> 0.2m)		PROPOSED KERB & CHANNEL
	FILL (> 0.2m)		FALL OF ALLOTMENT
	EXISTING STAGE BOUNDARY		DIRECTION OF OVERLAND FLOW
	EXISTING SURFACE CONTOURS		PROPOSED STORMWATER DRAINAGE
	EXISTING STORMWATER DRAINAGE		PROPOSED PIT LABEL
	EXISTING SEWER RETICULATION		PROPOSED SEWERAGE RETICULATION
	EXISTING WATER RETICULATION		PROPOSED WATER RETICULATION
	EXISTING RECYCLED WATER RETICULATION		PROPOSED RECYCLED WATER RETICULATION
	EXISTING ELECTRICITY UNDER GROUND		PROPOSED ELECTRICITY UNDER GROUND
	EXISTING COMMUNICATIONS		PROPOSED COMMUNICATIONS
	EXISTING GAS RETICULATION		PROPOSED GAS RETICULATION
	EXISTING SWALE		PROPOSED DRAINAGE INLET
	FUTURE STORMWATER DRAINAGE		PROPOSED CONCRETE FOOTPATH/DRIVEWAY
	FUTURE SEWER RETICULATION		PROPOSED ROAD PAVEMENT
	FUTURE WATER RETICULATION		PROPOSED GAS / CLASS A / POTABLE WATER HOUSE CONNECTION
	FUTURE RECYCLED WATER RETICULATION		HOUSE DRAINAGE CONNECTION
	FUTURE COMMUNICATIONS		FINISHED RIDGE LEVEL
	FUTURE ELECTRICAL UNDER GROUND		FINISHED SURFACE LEVEL
	FUTURE GAS RETICULATION		TOP OF WALL LEVEL
	EXISTING TREES TO BE RETAINED		BOTTOM OF WALL LEVEL
			EXISTING SURFACE LEVEL
			BOLLARD
			PROPOSED SWALE DRAIN

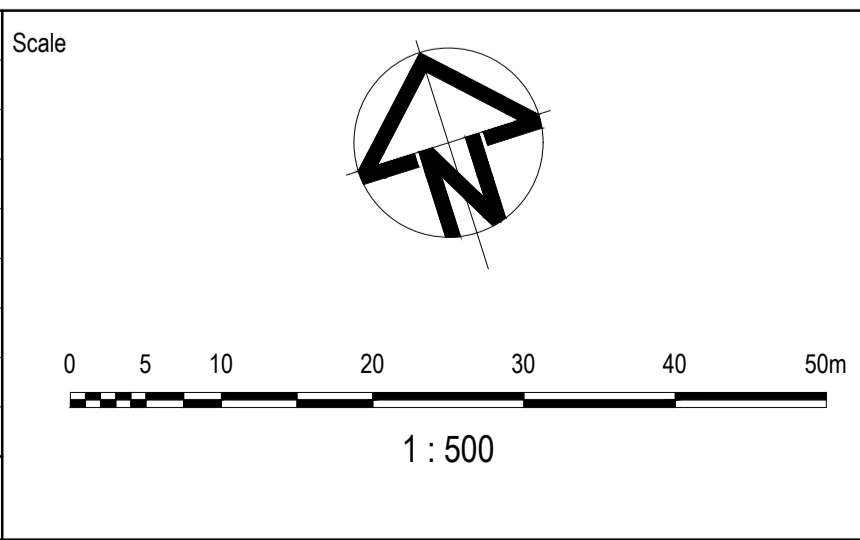
AS CONSTRUCTED RECORDS
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CONSTRUCT TEMPORARY GRAVEL TURNAROUND, "NO ROAD" SIGN, BARRIER AND EDGE STRIP IF FUTURE STAGE WORKS HAVE NOT COMMENCED

CONSTRUCT TEMPORARY GRAVEL TURNAROUND, "NO ROAD" SIGN, BARRIER AND EDGE STRIP IF FUTURE STAGE WORKS HAVE NOT COMMENCED

CONSTRUCT TEMPORARY GRAVEL TURNAROUND, "NO ROAD" SIGN, BARRIER AND EDGE STRIP IF FUTURE STAGE WORKS HAVE NOT COMMENCED

Issue	Description	By	Ckd	PM	Date
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01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19



Planner

Client

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

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 8B

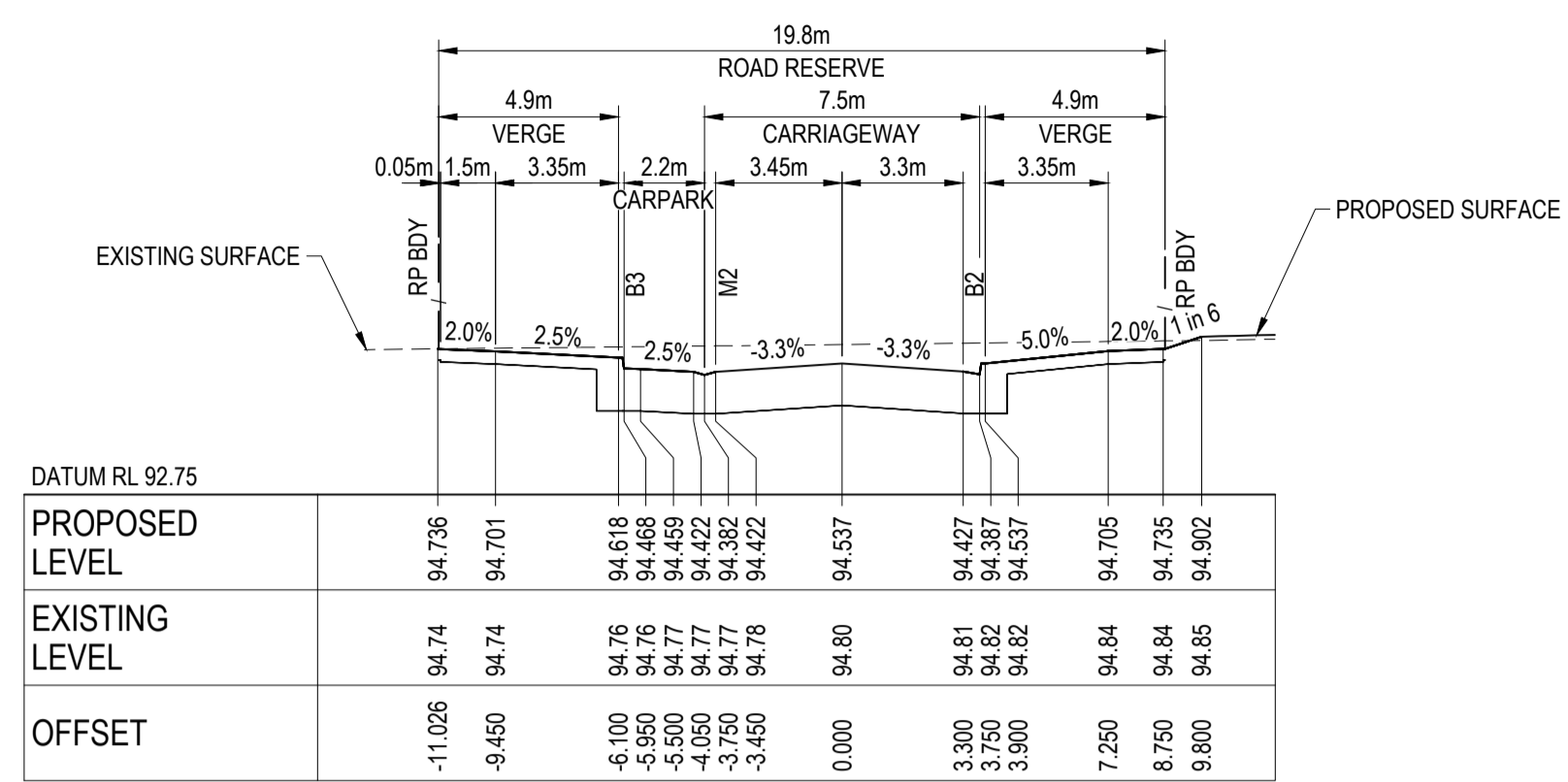
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ROADWORKS AND DRAINAGE
LAYOUT PLAN

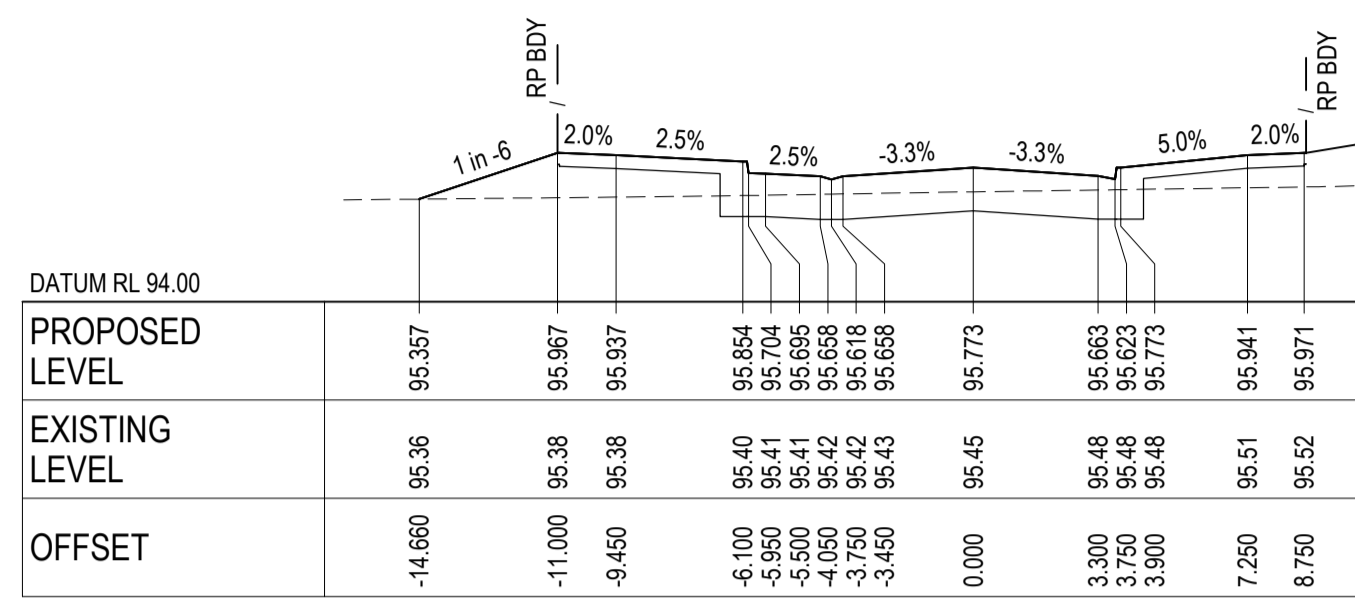
Arcadis Australia Pacific Pty Limited
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 Tel No: +61 3 8623 4000
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Drawing No. C-08B-220
 Project No. 10029435
 Issue B

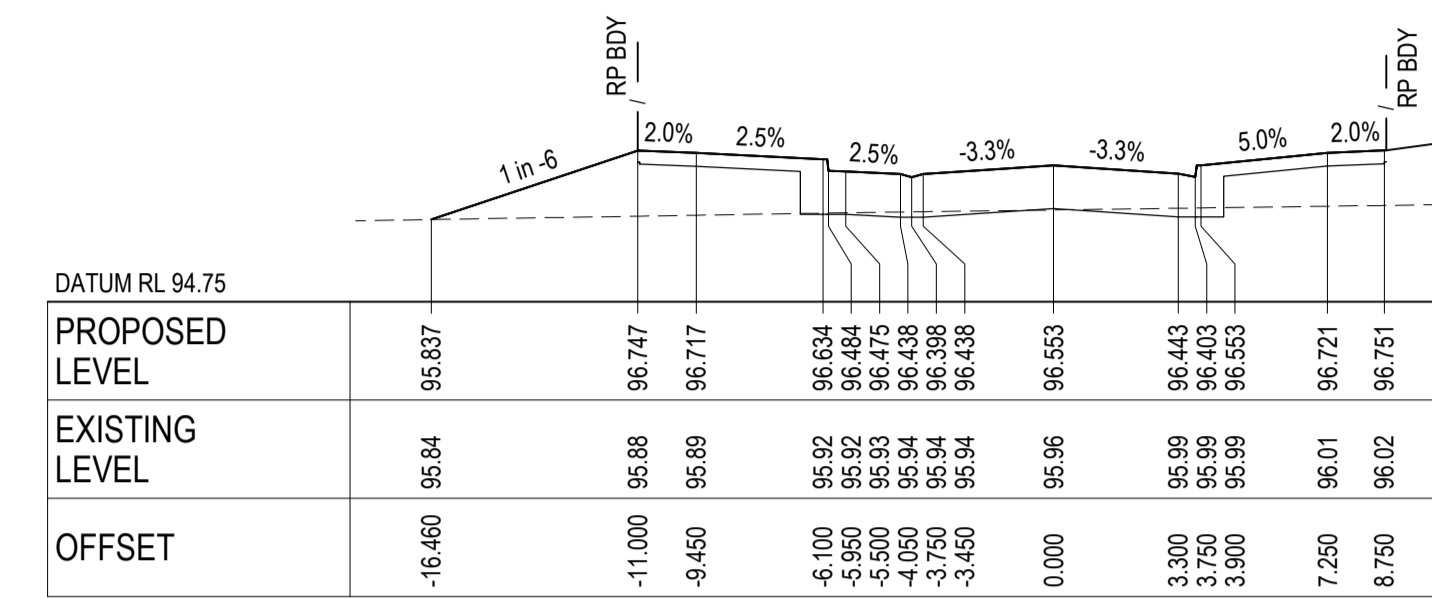
NOTE:
 1. FOR GENERAL NOTES, REFER TO DRAWING No. C-088-002.
 2. STRUCTURAL FILL IS REQUIRED WHERE FOOTPATH OR PAVEMENT IS CONSTRUCTED ABOVE EXISTING SURFACE.



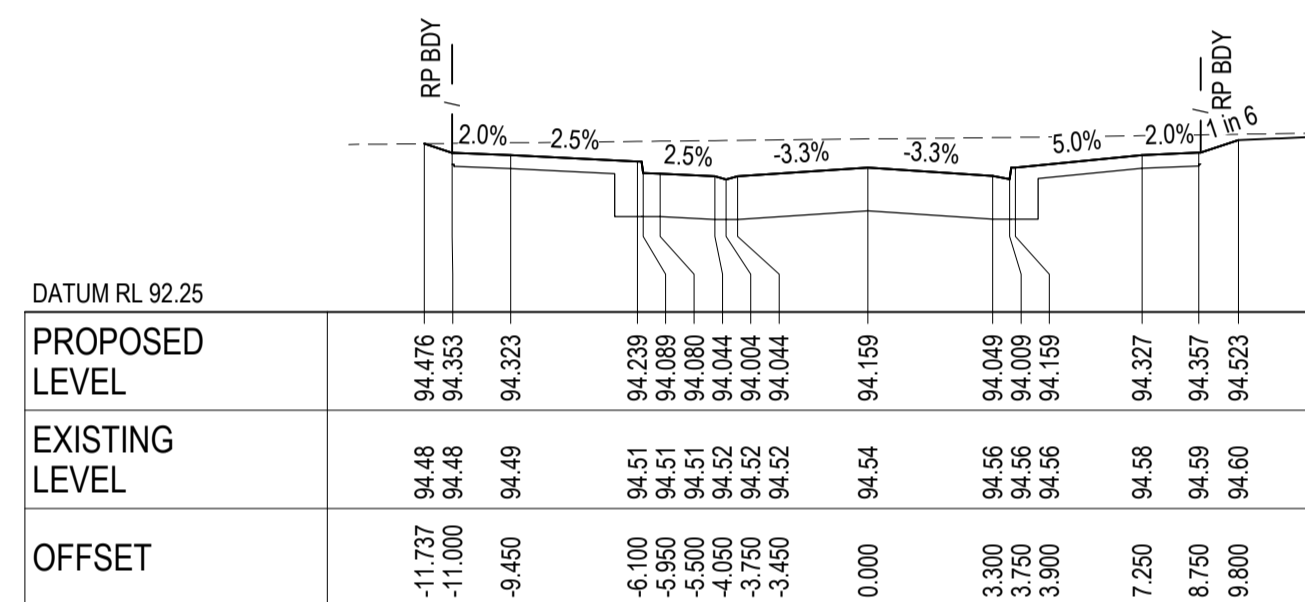
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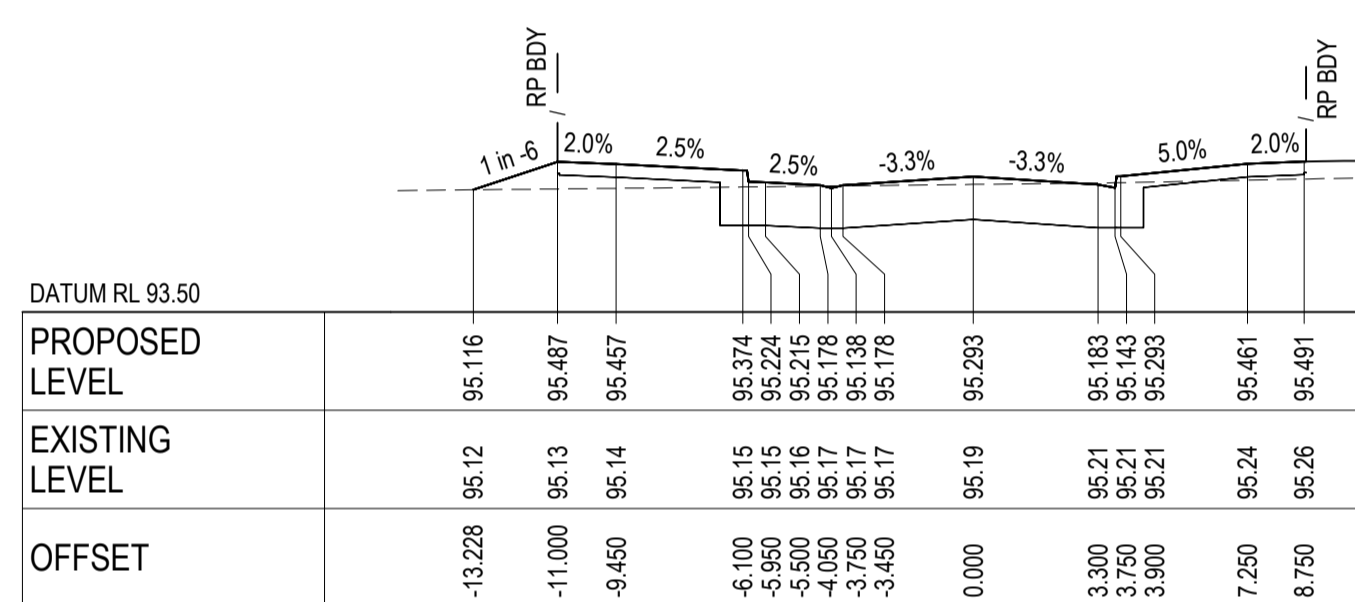
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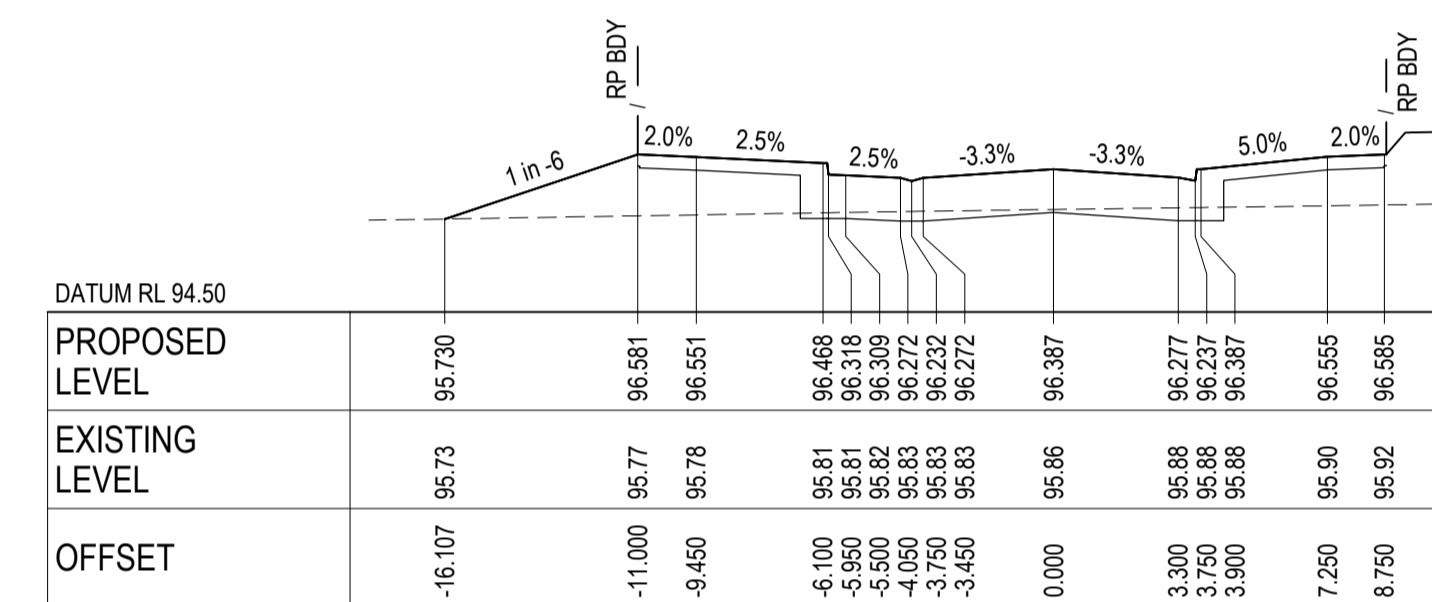
CH 242.766



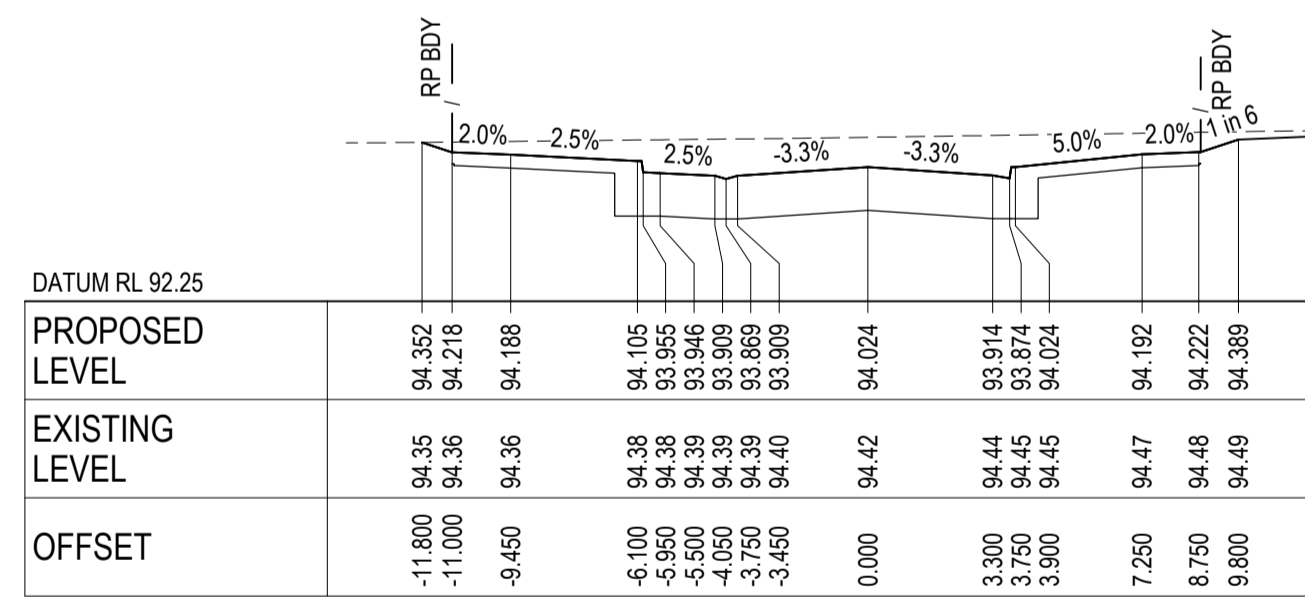
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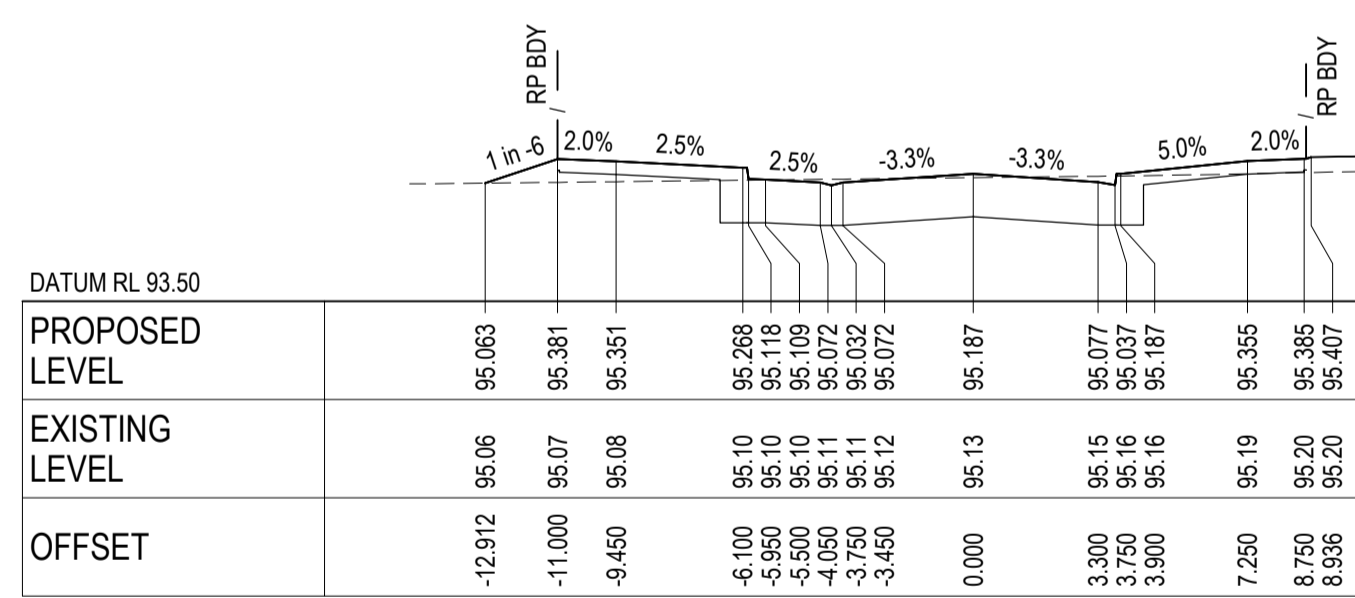
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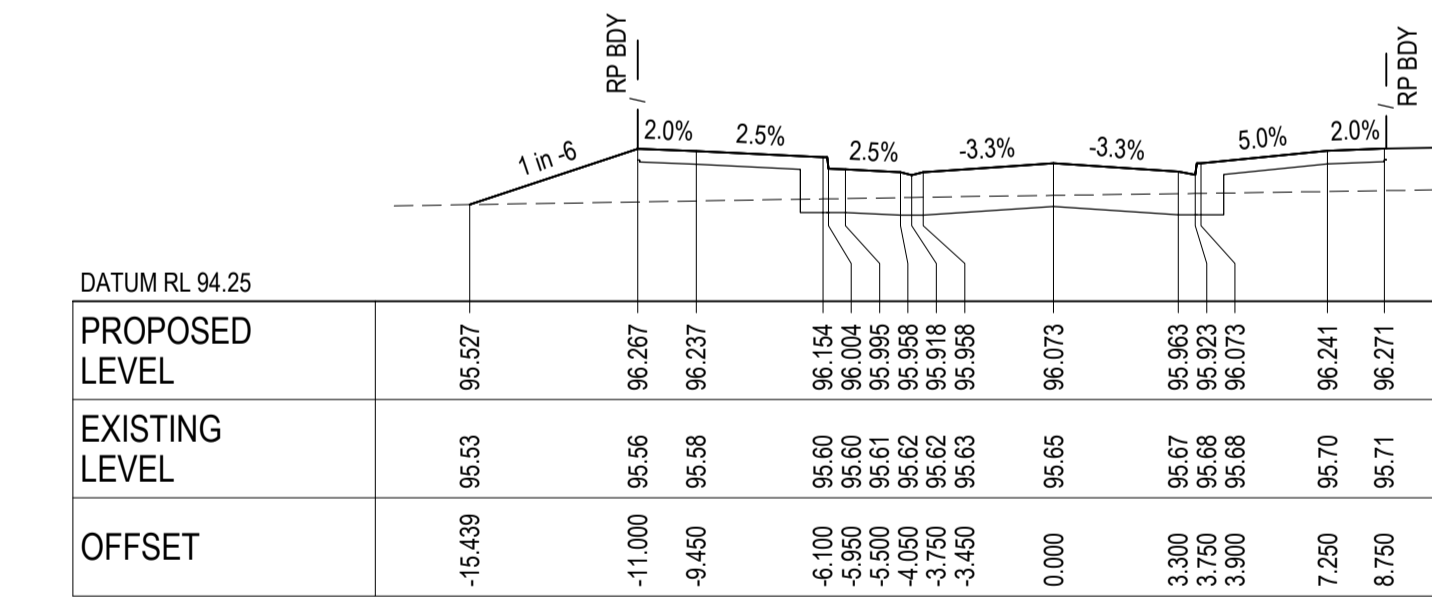
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CH 195.766



CH 220.000



CH 234.766

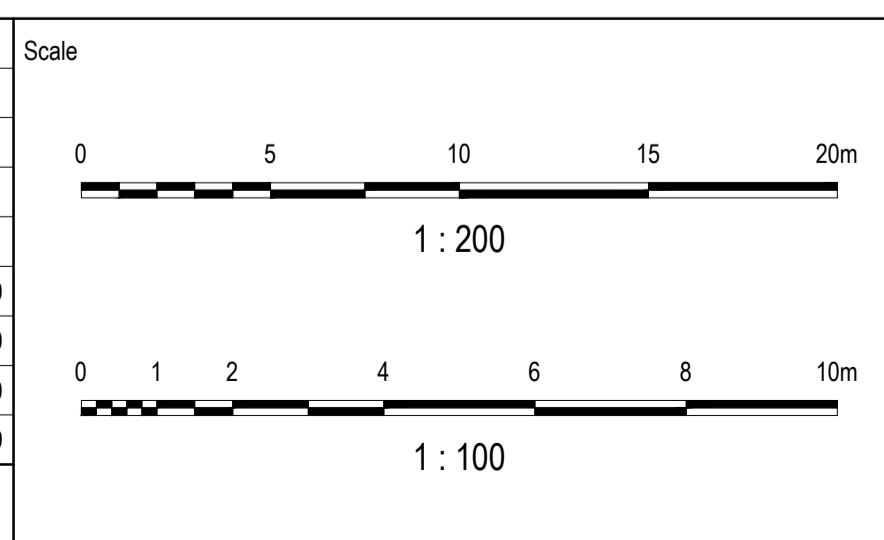
AS CONSTRUCTED RECORDS

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 ACCEPTS 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.

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	13.10.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	28.07.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19



Planner

Client

Filename C-088-241-10029435-RoadLS-XS MC01Sheet1.dwg

Status	AS CONSTRUCTED	
Verifier	Z.STROGUSZ	
Scales	1:200 (H)	Original Issue Signatures
	1:100 (V)	
Original Size	A1	
Height Datum	AHD	Designed J.ROCK
Grid	MGA	Project Manager S.EISEL

Project

EYNESBURY TOWNSHIP
STAGE 8B

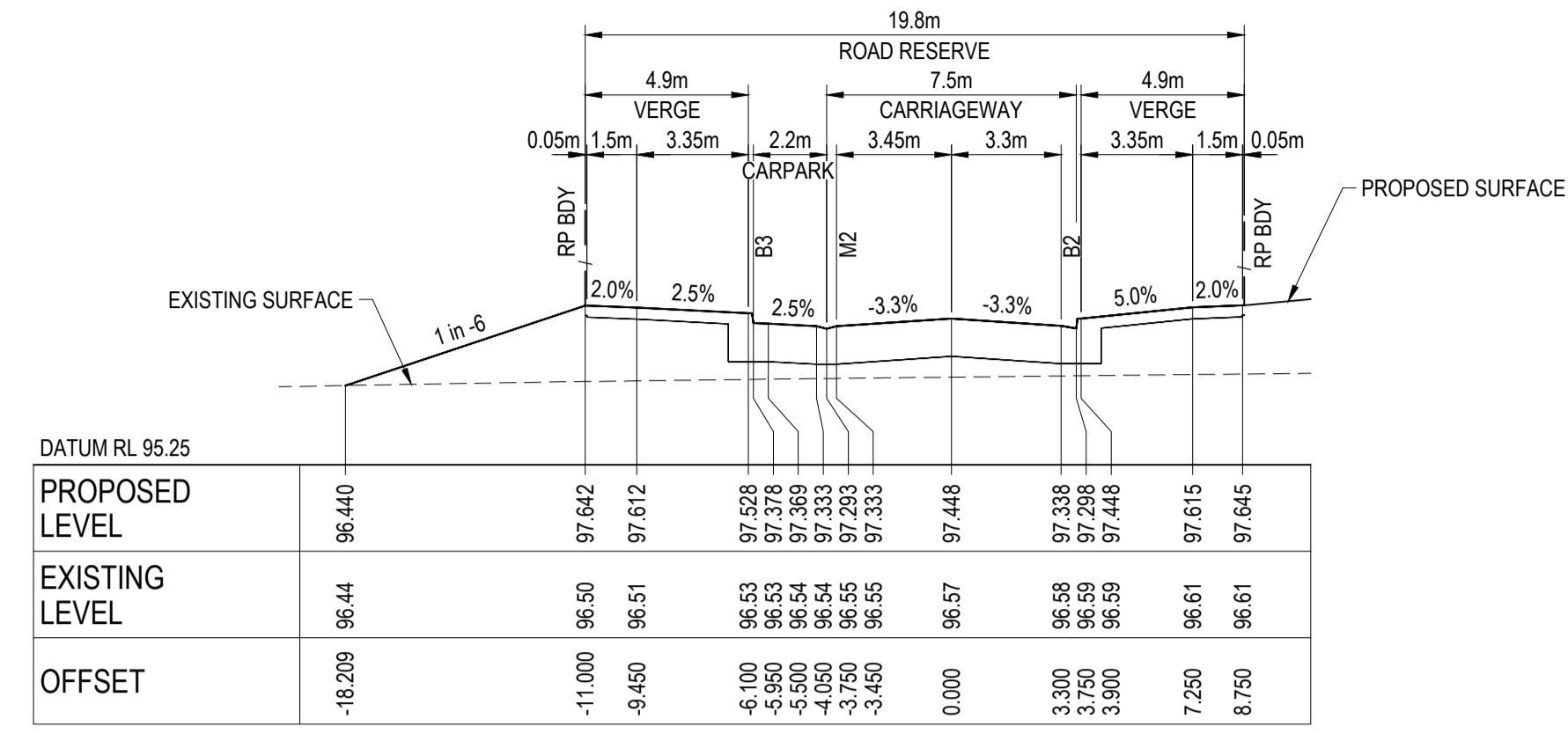
Title

LOGAN STREET ROAD CROSS
SECTIONS SHEET 1 OF 2

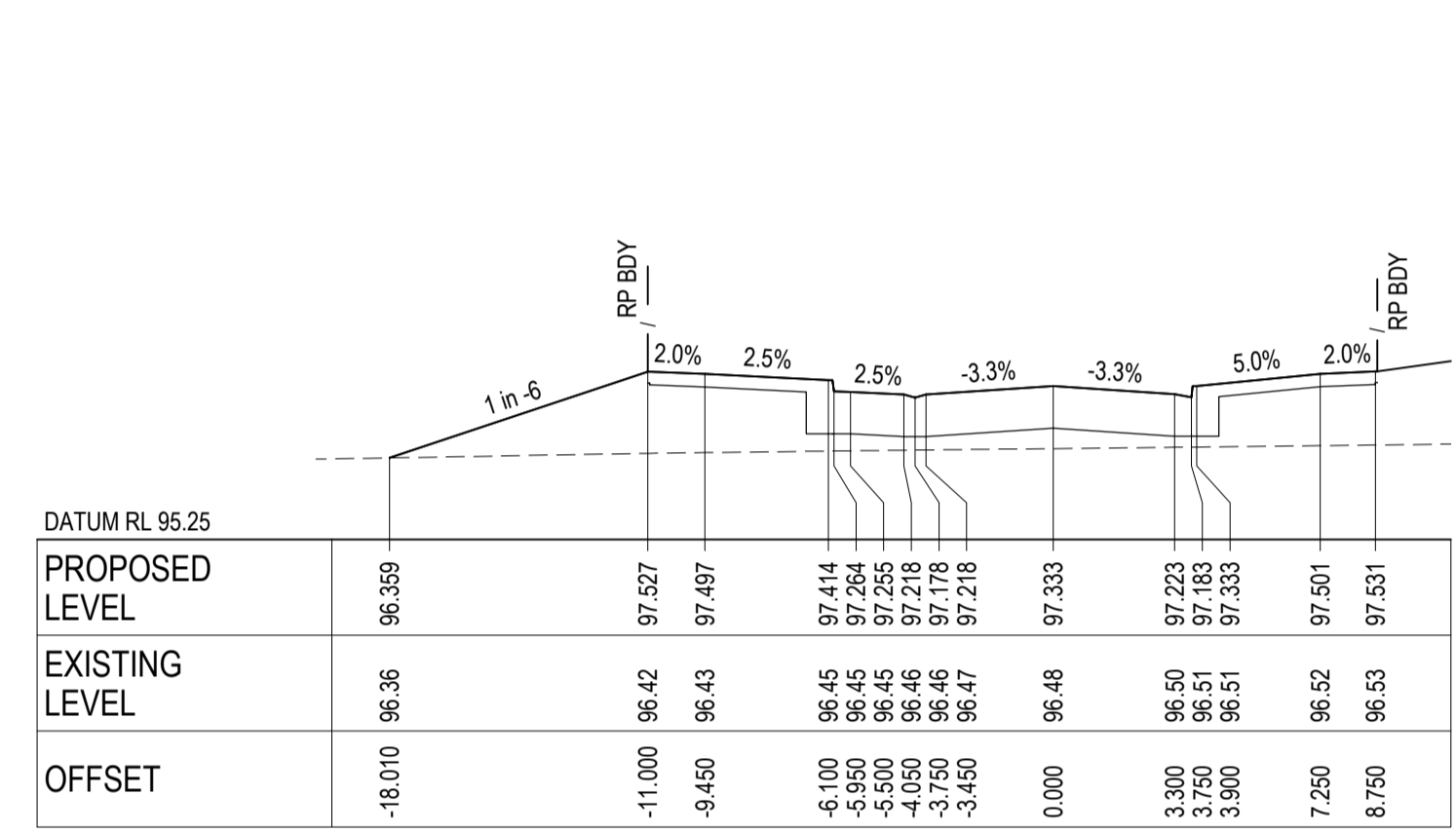
Arcadis Australia Pacific Pty Limited
Level 32, 140 William Street
Melbourne VIC 3000
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

Drawing No. C-088-241
Project No. 10029435
Issue B

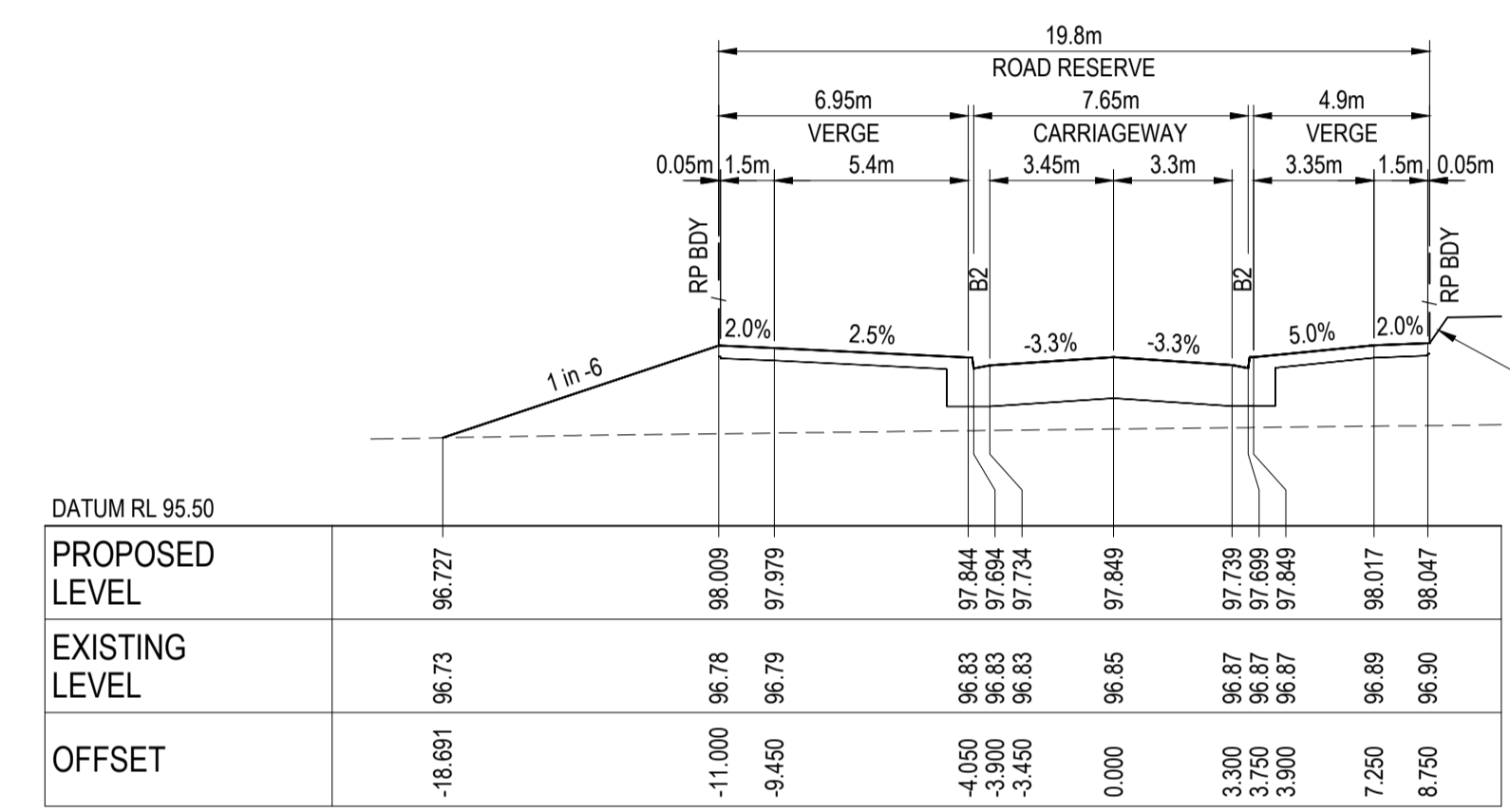
NOTE:
 1. FOR GENERAL NOTES, REFER TO DRAWING No. C-08B-002.
 2. STRUCTURAL FILL IS REQUIRED WHERE FOOTPATH OR PAVEMENT IS CONSTRUCTED ABOVE EXISTING SURFACE.



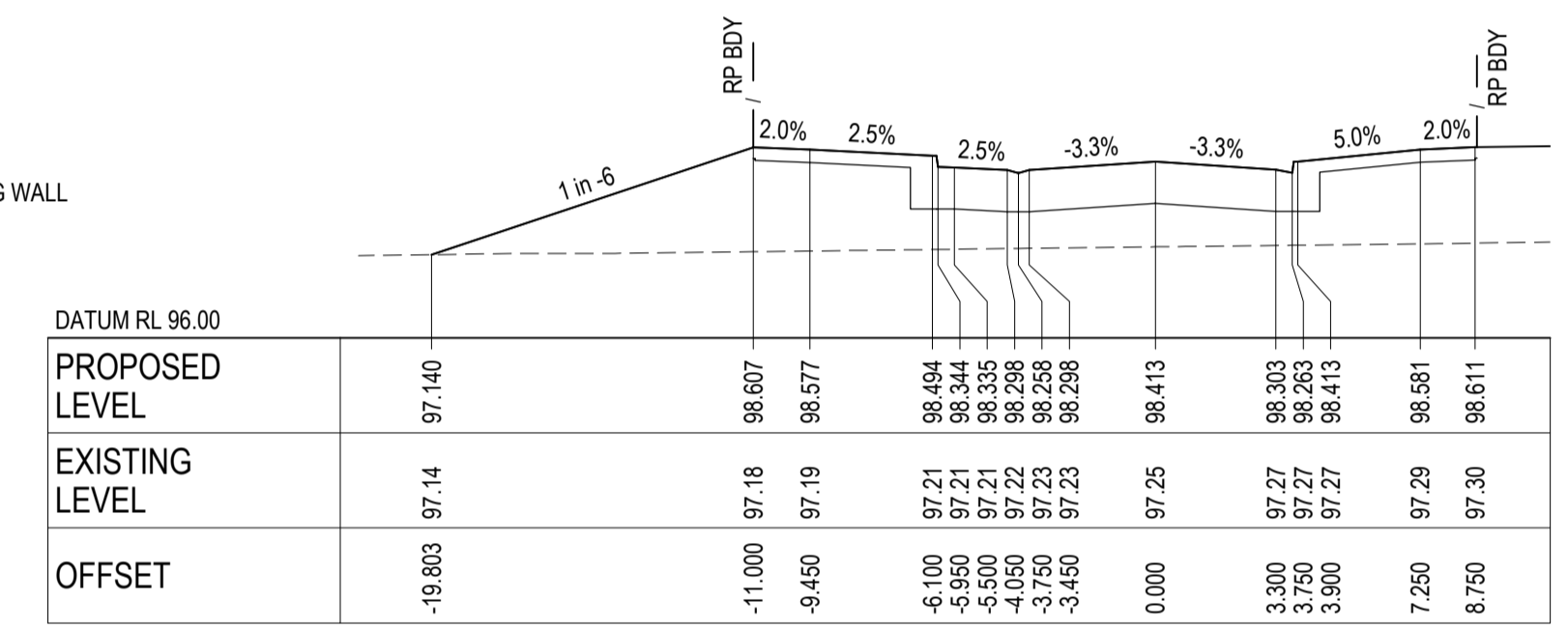
CH 257.674



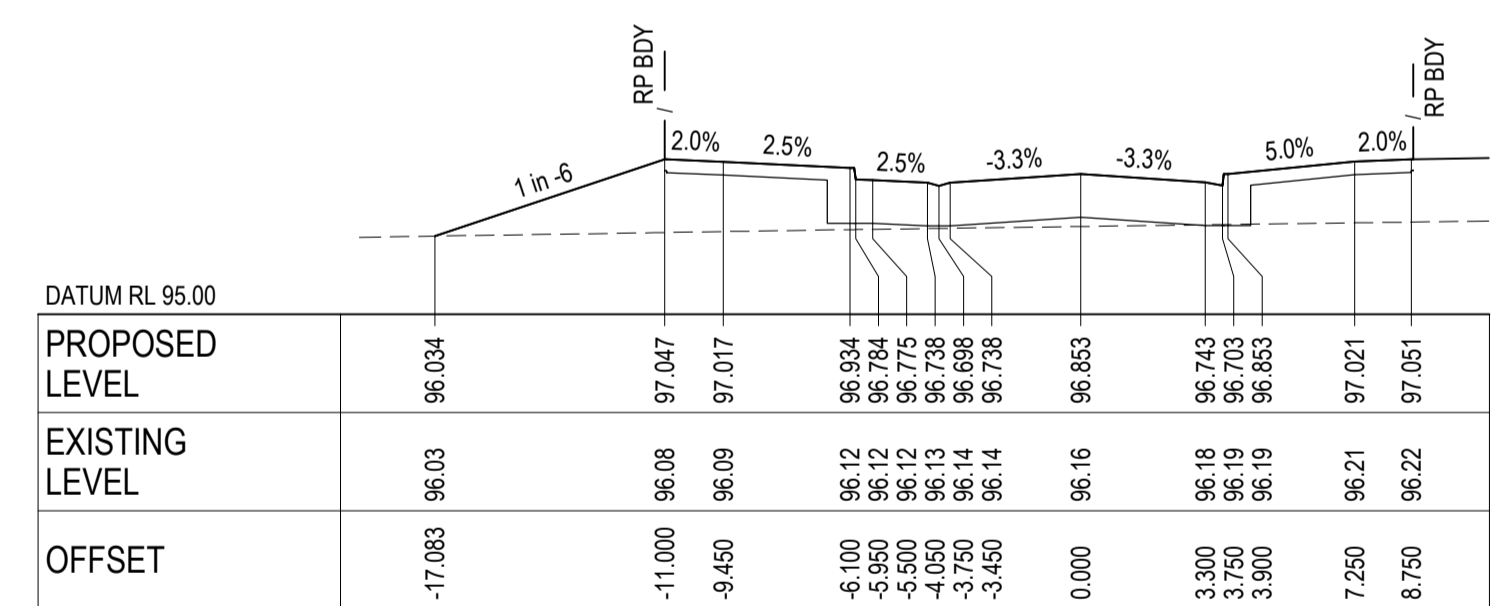
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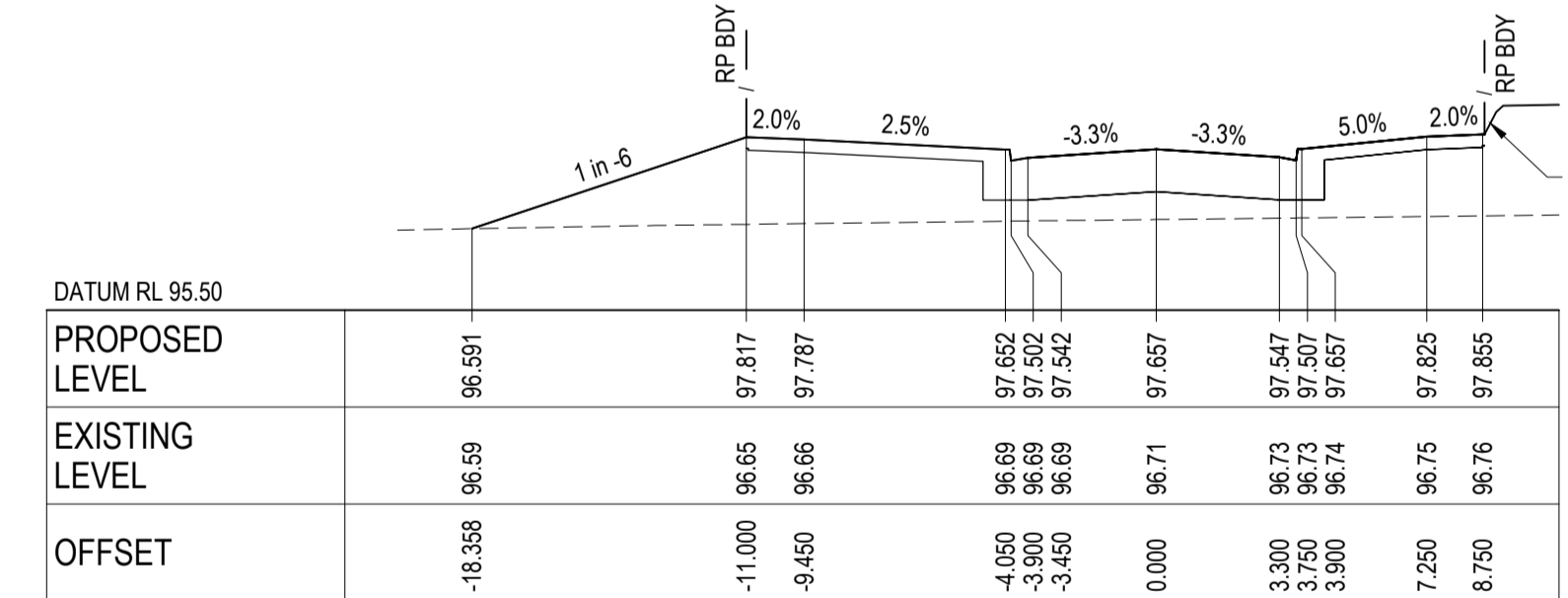
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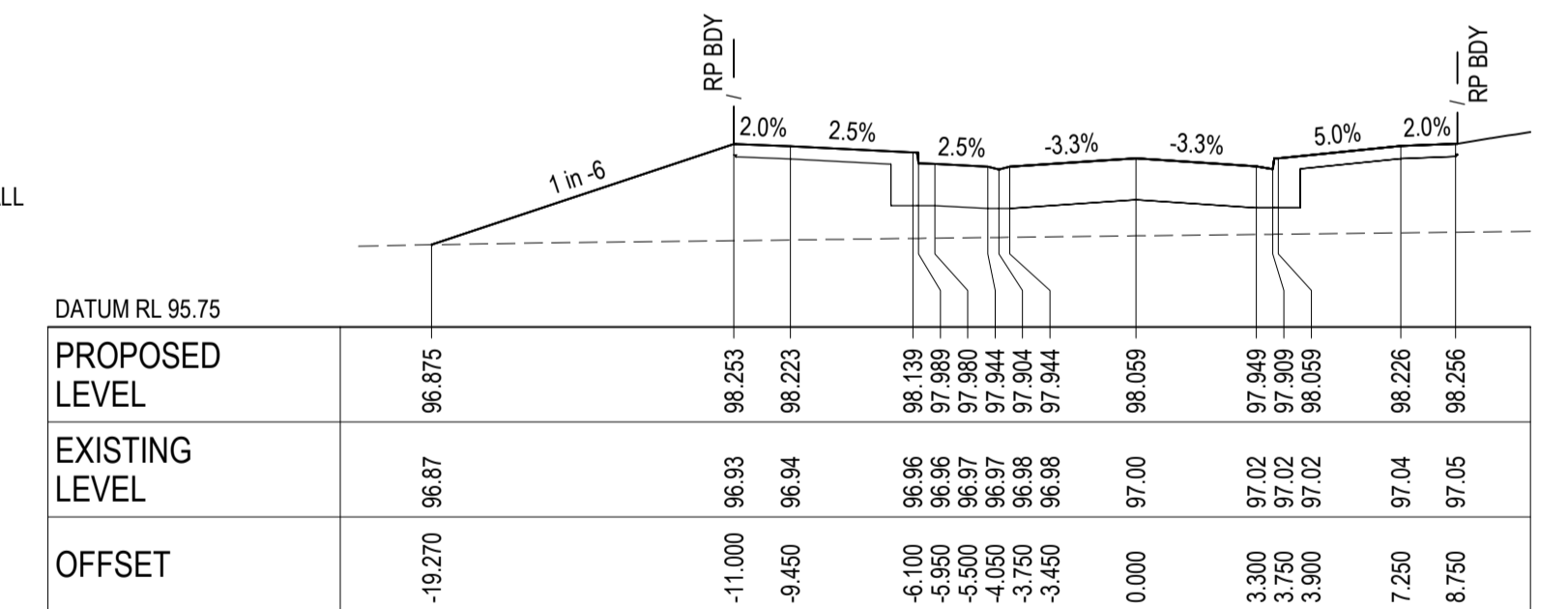
CH 273.766



CH 247.766



CH 261.166



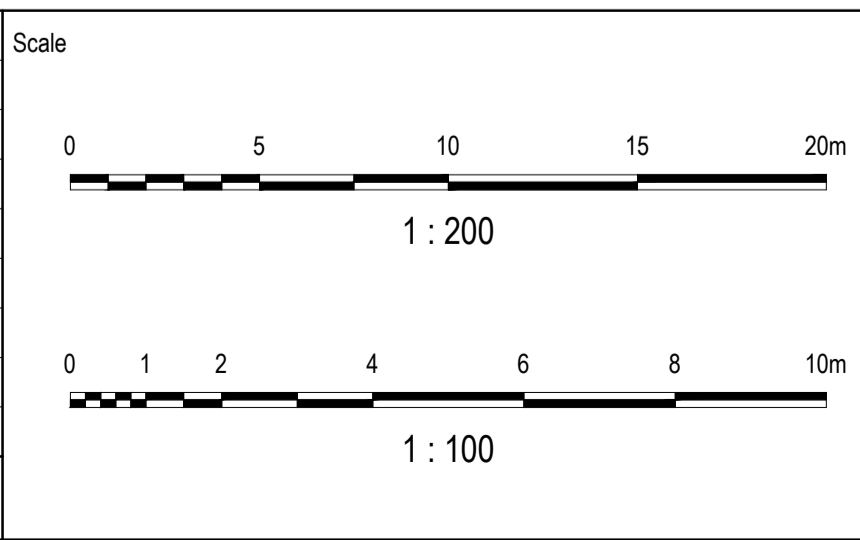
CH 267.859

LOGAN STREET (MC01) - CROSS SECTIONS

SCALE 1:200 HORI.
1:100 VERT.

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 ACCEPTS 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	13.10.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	28.07.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19



Planner
RD RobertsDay
 planning.design.place

Filename C-08b-242-10029435-RoadLS-XS MC01Sheet2.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

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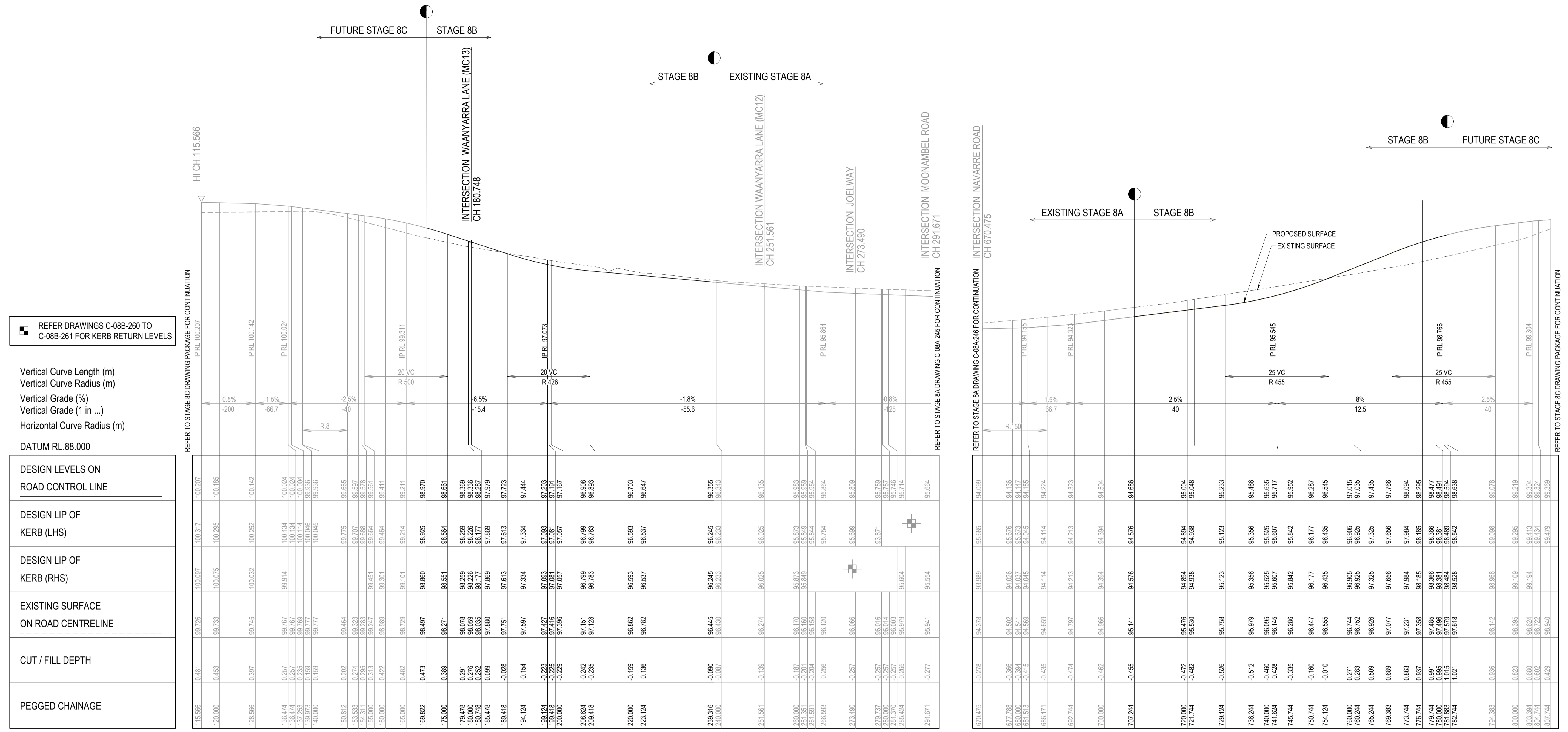
Project
EYNESBURY TOWNSHIP
STAGE 8B

Title
LOGAN STREET ROAD CROSS
SECTIONS SHEET 2 OF 2

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-08B-242
 Project No. 10029435
 Issue B

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



REFER DRAWINGS C-08B-260 TO C-08B-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

DESIGN LEVELS ON ROAD CONTROL LINE	DESIGN LIP OF KERB (LHS)	DESIGN LIP OF KERB (RHS)	EXISTING SURFACE ON ROAD CENTRELINE	CUT / FILL DEPTH	PEGGED CHAINAGE
100.207	100.317	100.087	99.726	0.481	115.566
100.185	100.295	100.075	99.733	0.453	120.000
100.142	100.252	100.032	99.745	0.397	128.566
100.024	100.134	99.914	99.767	0.257	136.474
100.024	100.134	99.767	99.767	0.257	136.474
100.004	100.114	99.759	99.759	0.235	137.253
99.936	100.046	99.777	99.777	0.158	140.000
99.665	99.775	99.775	99.464	0.202	150.812
99.578	99.697	99.393	99.393	0.274	153.633
99.578	99.697	99.393	99.393	0.274	153.633
99.561	99.664	99.451	99.247	0.313	155.000
99.411	99.464	99.301	99.989	0.422	160.000
99.211	99.214	99.101	99.729	0.482	165.000
99.970	99.970	99.860	99.497	0.473	169.822
99.661	99.564	99.551	99.271	0.389	175.000
99.369	99.259	99.259	99.078	0.291	179.478
99.336	99.226	99.226	99.059	0.276	180.000
99.287	99.177	99.177	99.035	0.252	180.748
99.979	99.869	99.869	99.880	0.099	185.478
99.723	99.613	99.613	99.751	0.028	188.418
99.444	99.334	99.334	99.597	0.154	194.124
99.203	99.093	99.093	99.427	0.223	199.124
99.187	99.067	99.067	99.411	0.223	199.618
99.908	99.799	99.799	99.759	0.242	208.624
99.893	99.783	99.783	99.728	0.235	209.418
99.703	99.593	99.593	99.662	0.159	220.000
99.647	99.537	99.537	99.782	0.136	223.124
99.355	99.245	99.245	99.445	0.090	239.316
99.343	99.233	99.233	99.430	0.087	240.000
99.135	99.025	99.025	99.274	0.139	251.551
99.683	99.673	99.673	99.170	0.187	260.000
99.954	99.844	99.844	99.649	0.305	261.551
99.864	99.754	99.754	99.120	0.256	266.553
99.809	99.699	99.699	99.066	0.257	273.450
99.759	99.671	99.671	99.016	0.257	279.737
99.746	99.657	99.657	99.014	0.257	280.000
99.714	99.603	99.603	99.370	0.257	281.370
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99.664	99.554	99.554	99.941	0.277	291.671

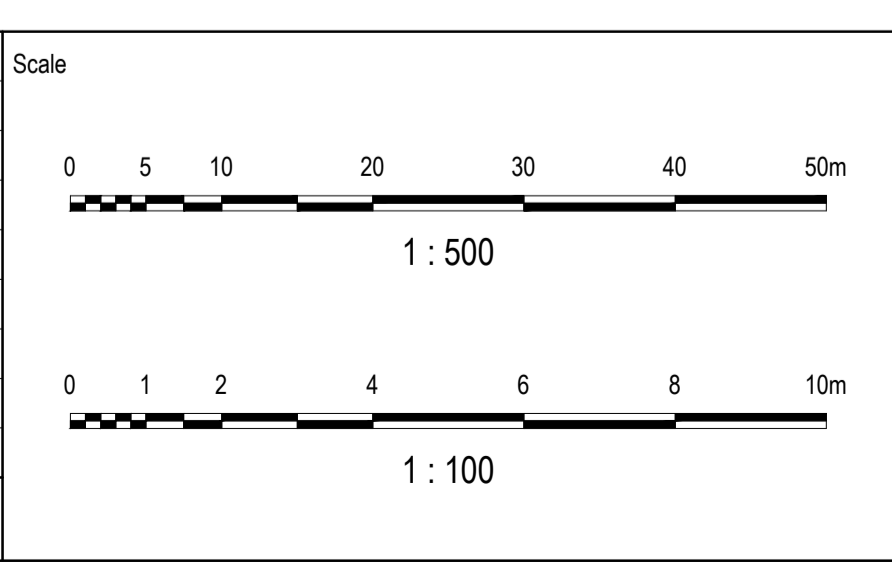
CROWLANDS CIRCUIT (MC03) - LONGITUDINAL SECTION

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 ACCEPTS 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.

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02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19



Planner

Client

Filename C-08b-243-10029435-RoadLS MC03.dwg

Status

AS CONSTRUCTED

Verifier

Z.STROGUSZ

Scales

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

Original Issue Signatures

Drawn
W.BUMAGAT

Designed
J.ROCK

Project Manager
S.EISEL

Grid

MGA

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Project

EYNESBURY TOWNSHIP
STAGE 8B

Title

CROWLANDS CIRCUIT ROAD
LONGITUDINAL SECTION

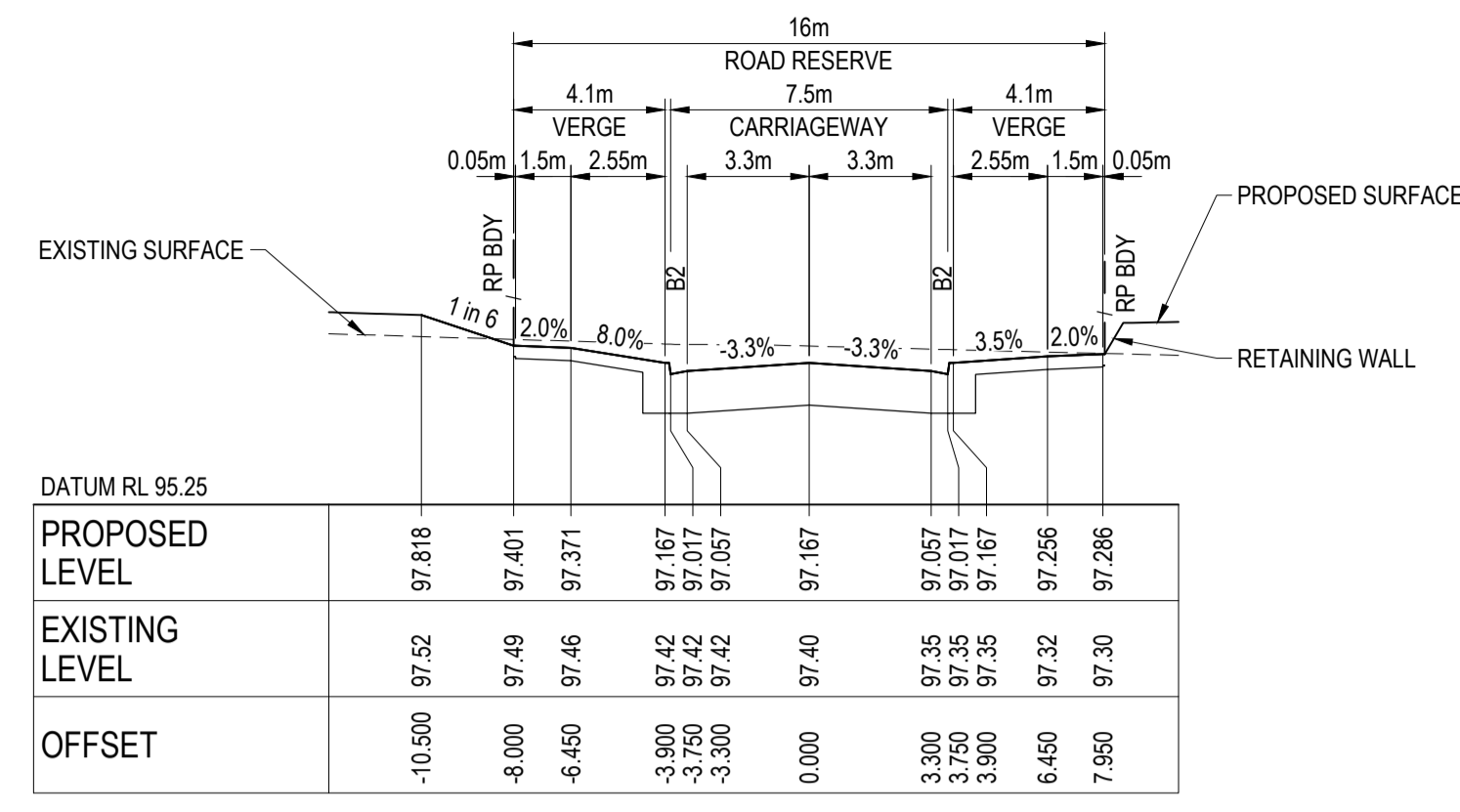
Arcadis Australia Pacific Pty Limited
Level 32, 140 William Street
Melbourne VIC 3000
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

Drawing No. C-08B-243

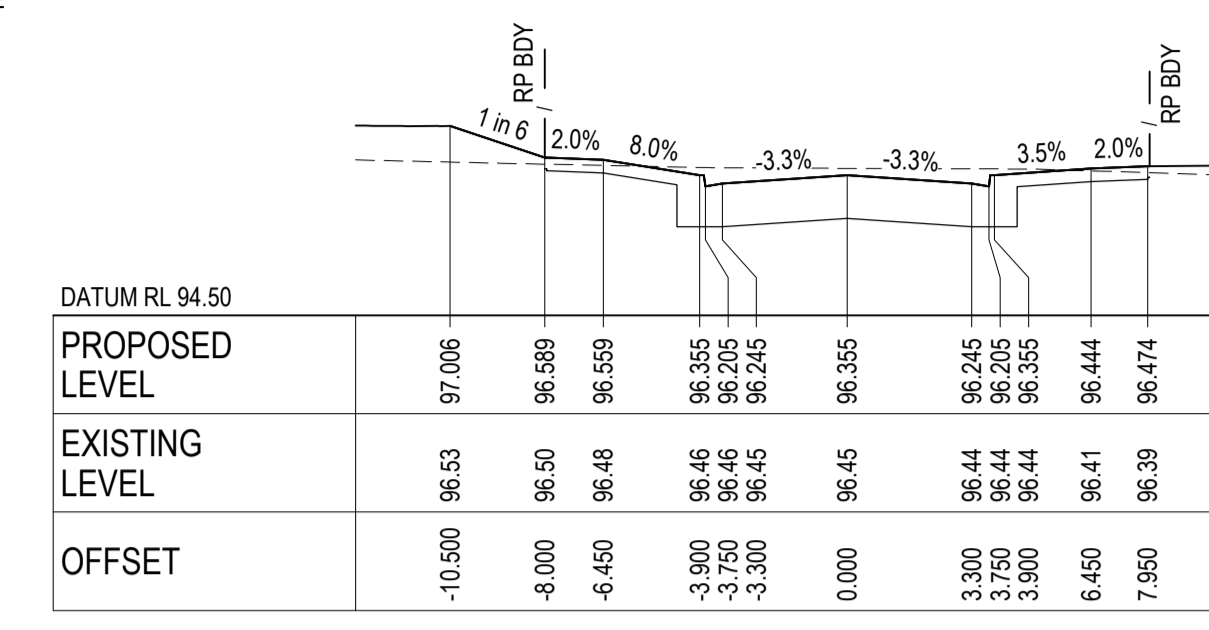
Project No. 10029435

Issue B

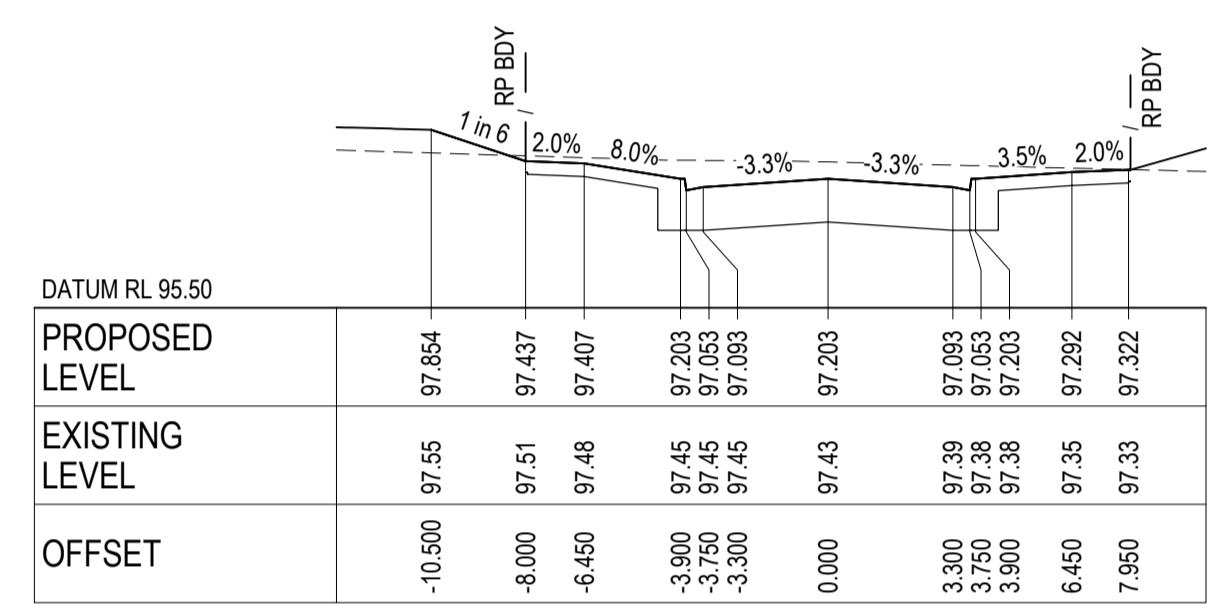
- NOTE:**
- FOR GENERAL NOTES, REFER TO DRAWING No. C-08B-002.
 - STRUCTURAL FILL IS REQUIRED WHERE FOOTPATH OR PAVEMENT IS CONSTRUCTED ABOVE EXISTING SURFACE.



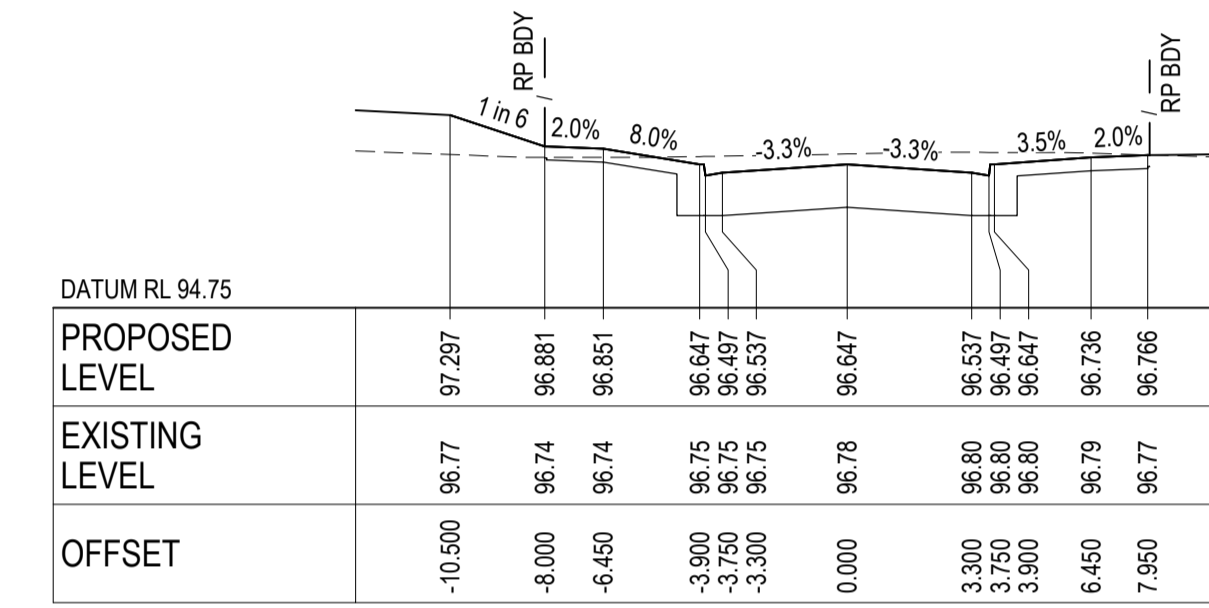
CH 200.000



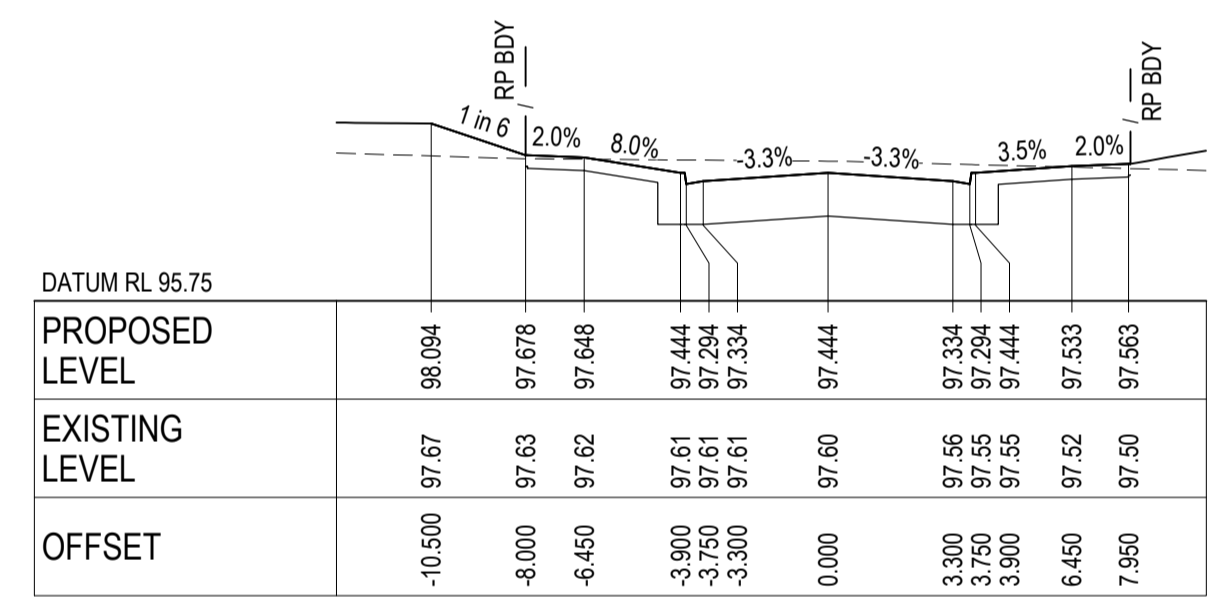
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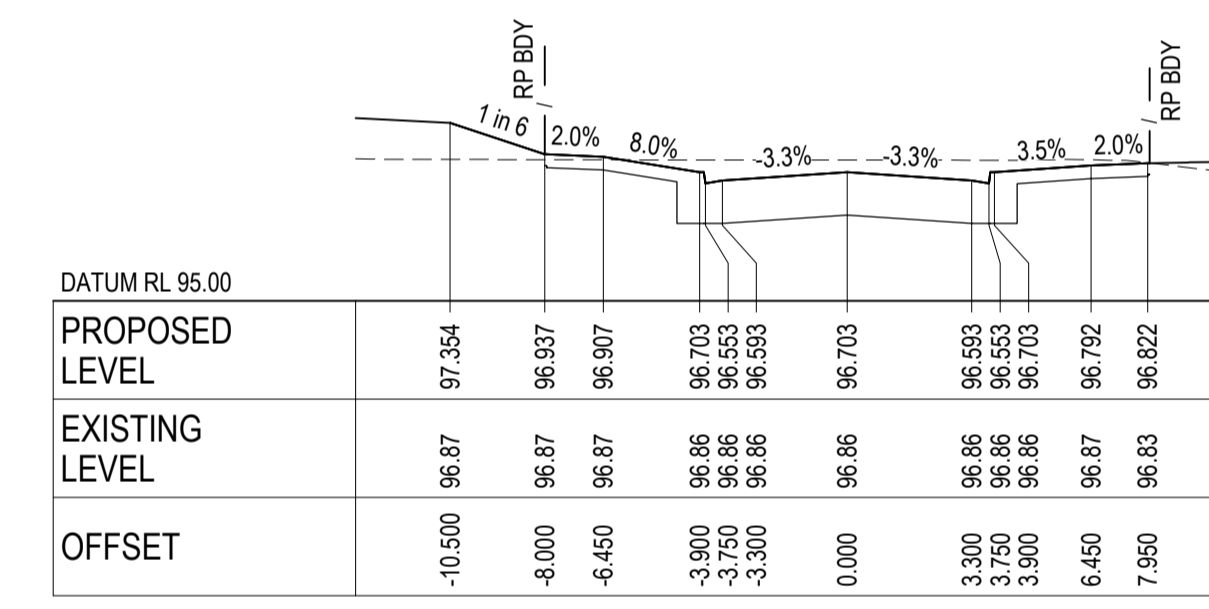
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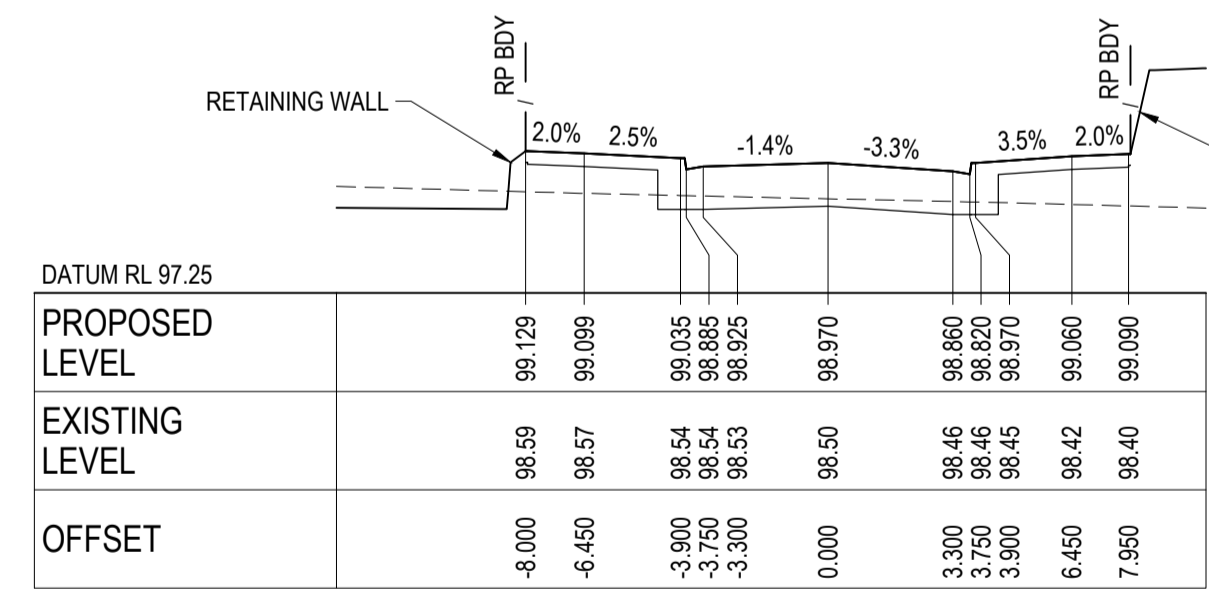
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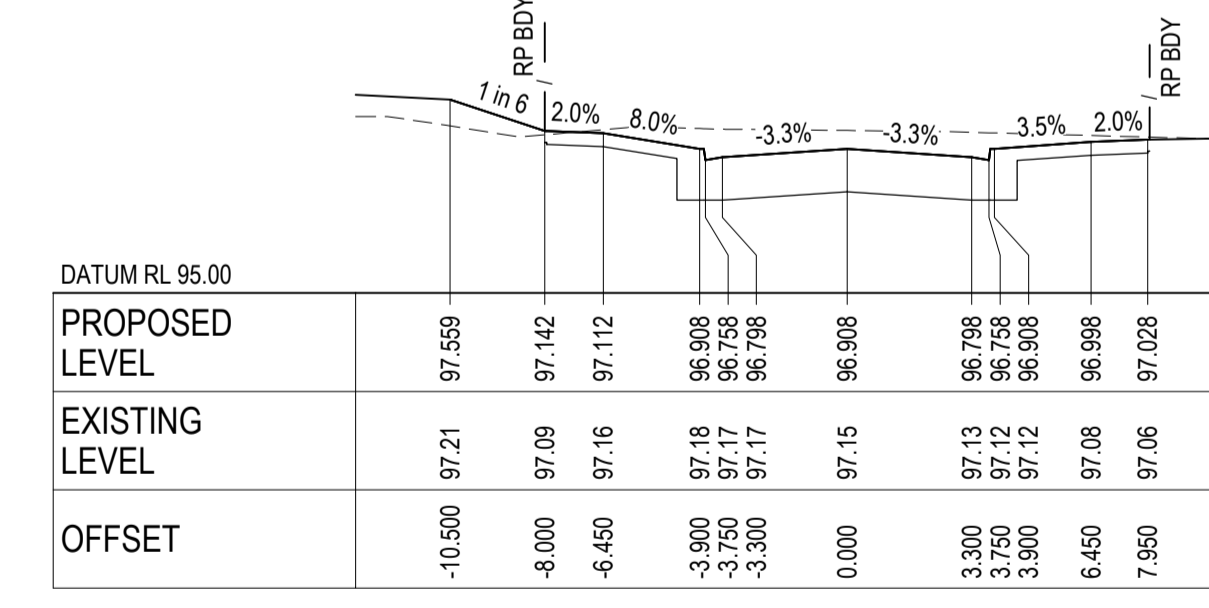
CH 194.124



CH 220.000



CH 169.822



CH 208.624

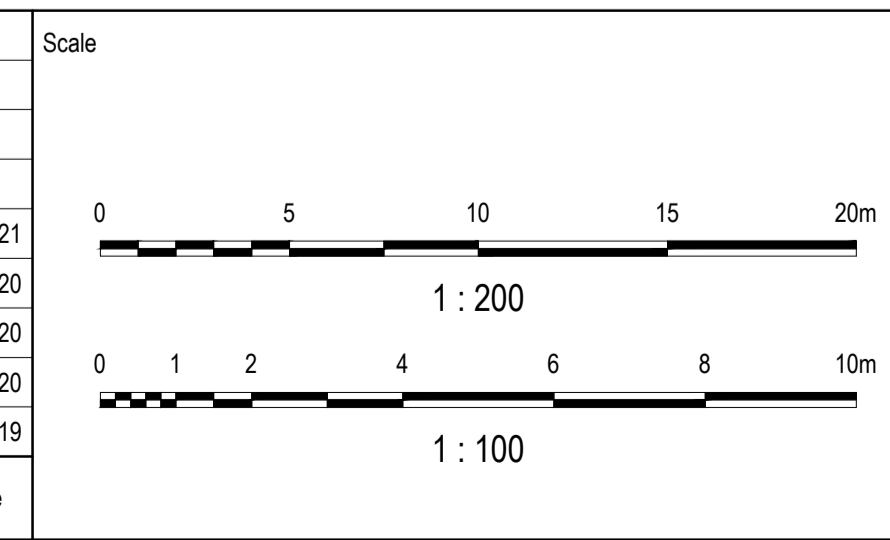
CROWLANDS CIRCUIT (MC03) - CROSS SECTIONS

SCALE 1:200 HORI.
1:100 VERT.

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	13.10.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	28.07.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19



Planner

Client

Filename C-08b-244-10029435-RoadXS MC03Sheet1.dwg

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

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Project

EYNESBURY TOWNSHIP
STAGE 8B

Title

CROWLANDS CIRCUIT ROAD
CROSS SECTION SHEET 1 OF 2

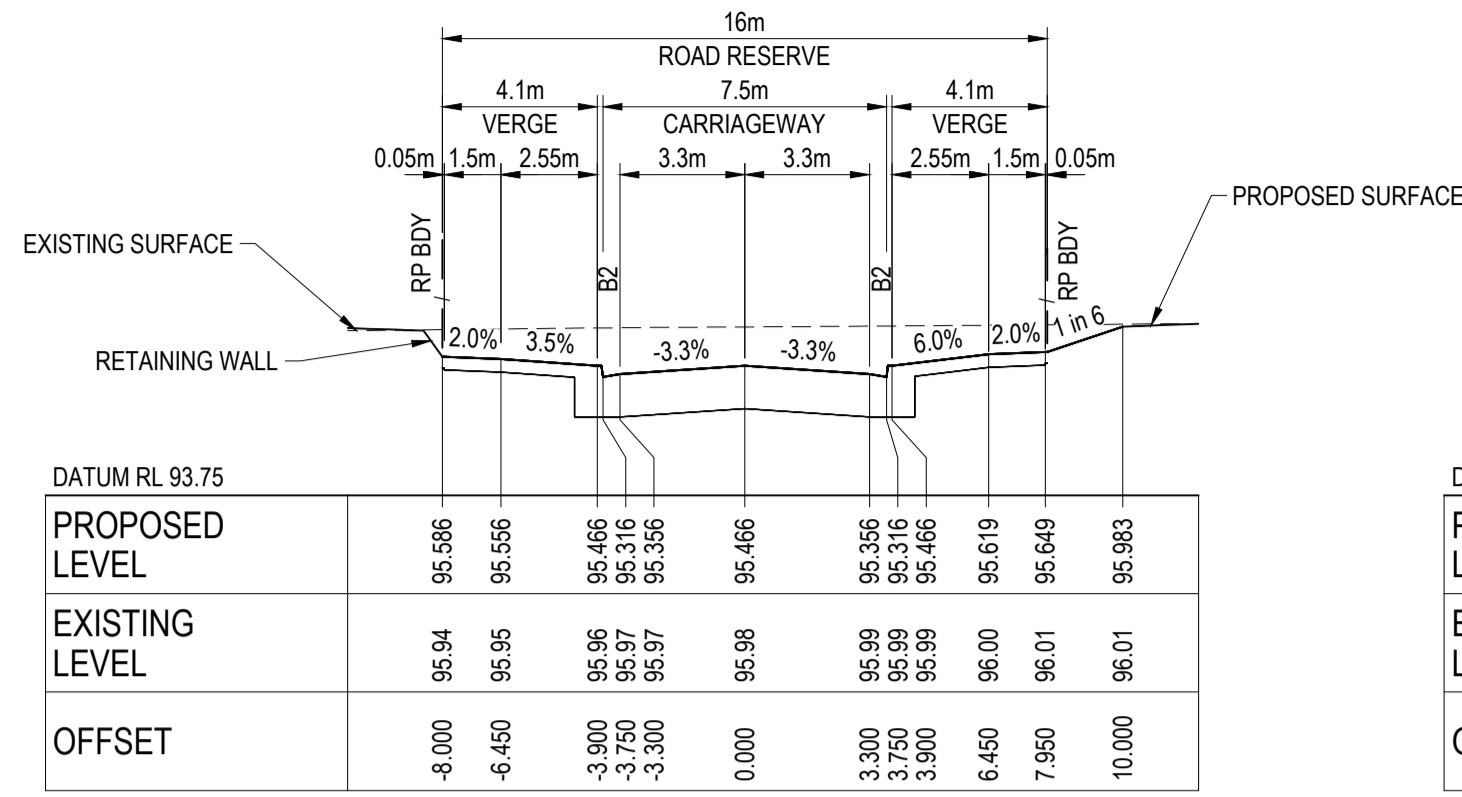
Arcadis Australia Pacific Pty Limited
Level 32, 140 William Street
Melbourne VIC 3000
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

Drawing No. C-08B-244

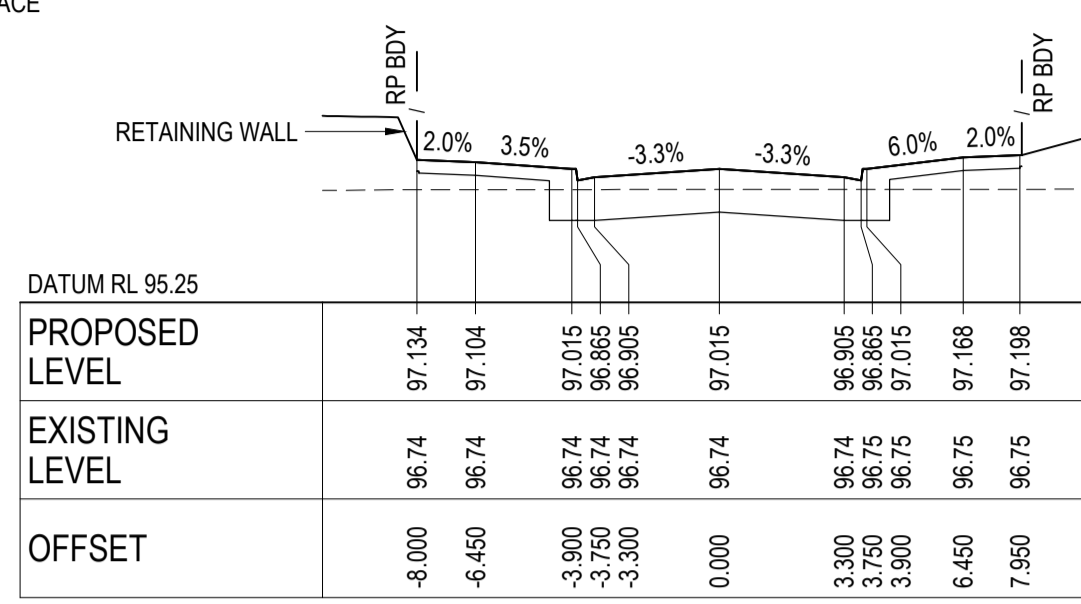
Project No. 10029435

Issue B

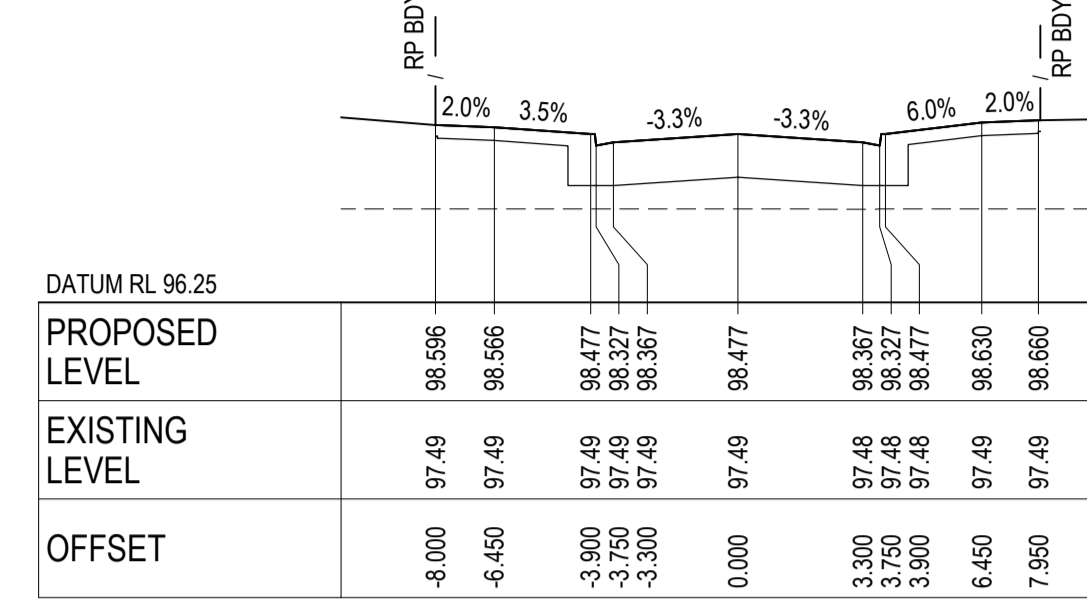
NOTE:
 1. FOR GENERAL NOTES, REFER TO DRAWING No. C-088-002.
 2. STRUCTURAL FILL IS REQUIRED WHERE FOOTPATH OR PAVEMENT IS CONSTRUCTED ABOVE EXISTING SURFACE.



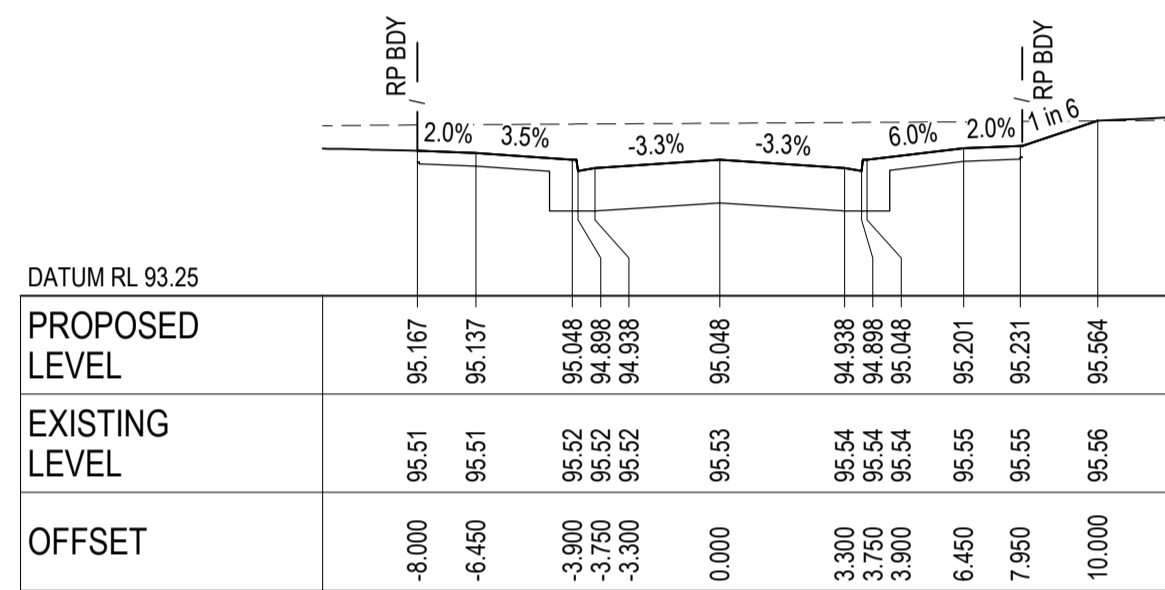
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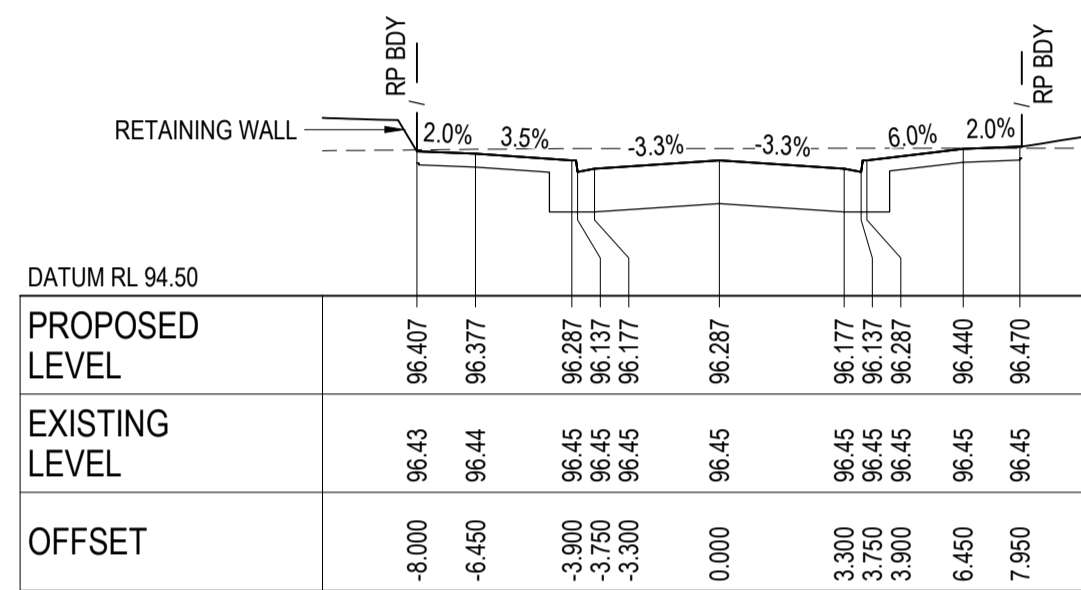
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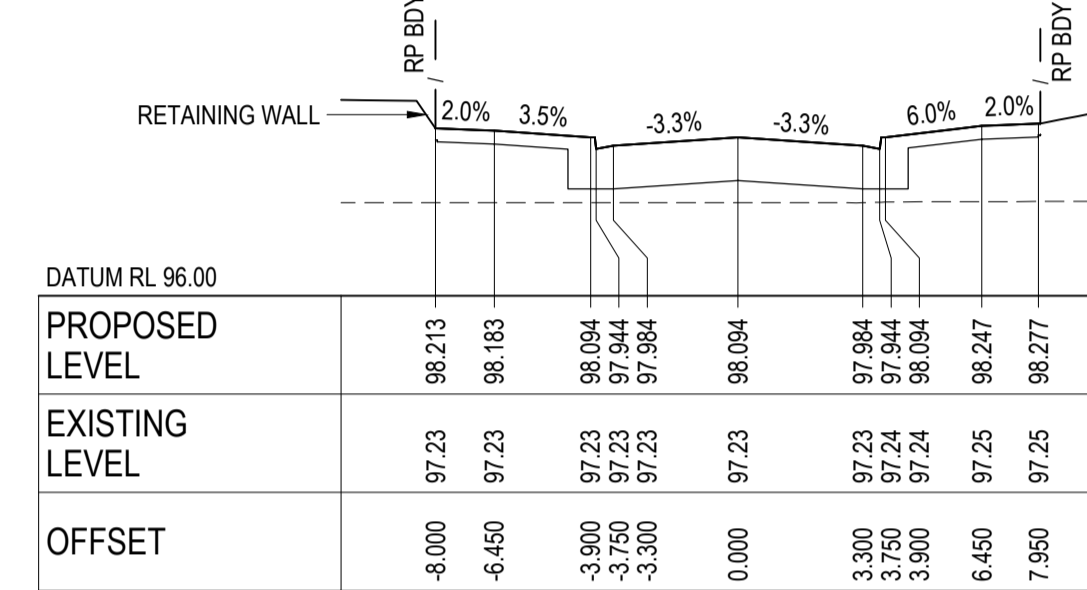
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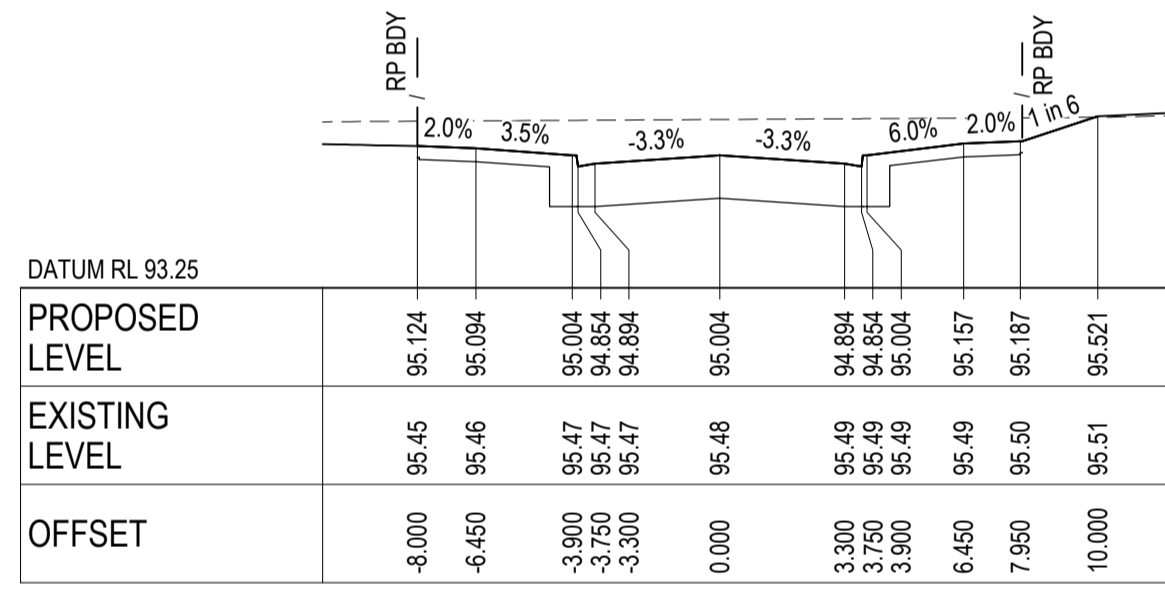
CH 721.744



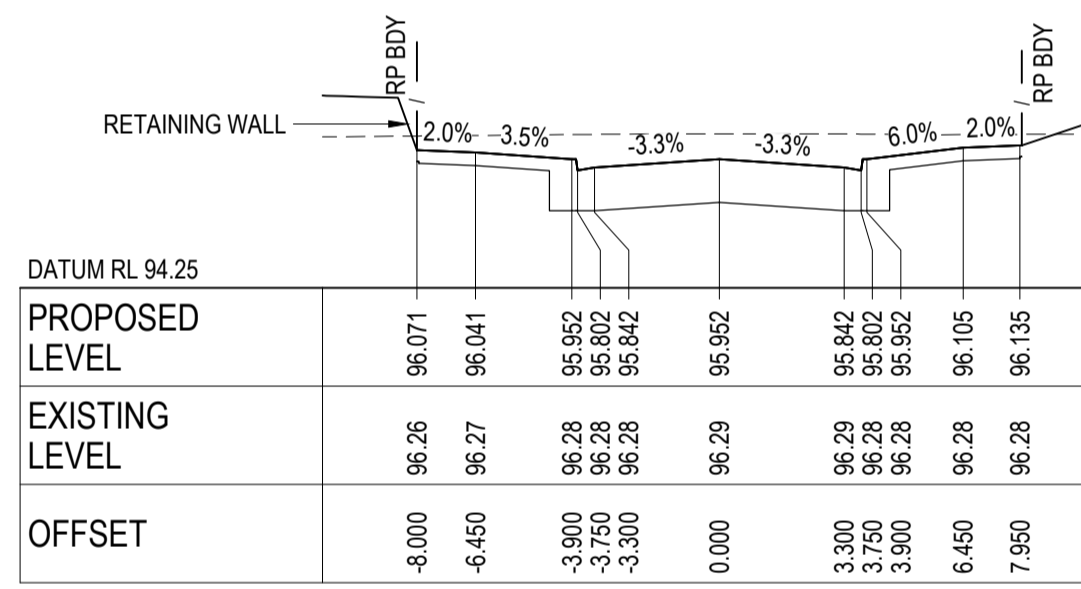
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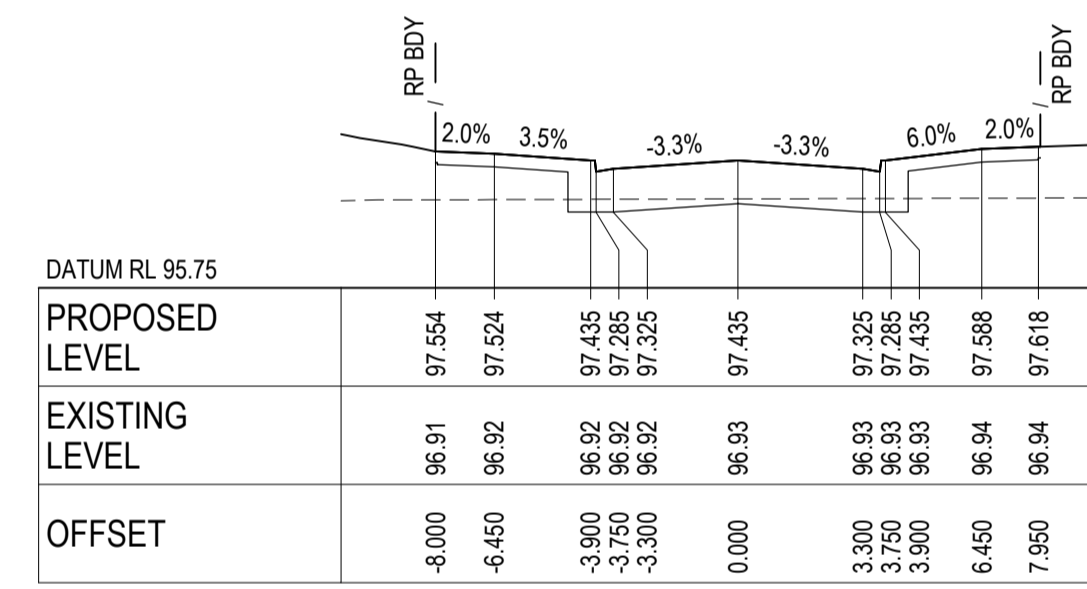
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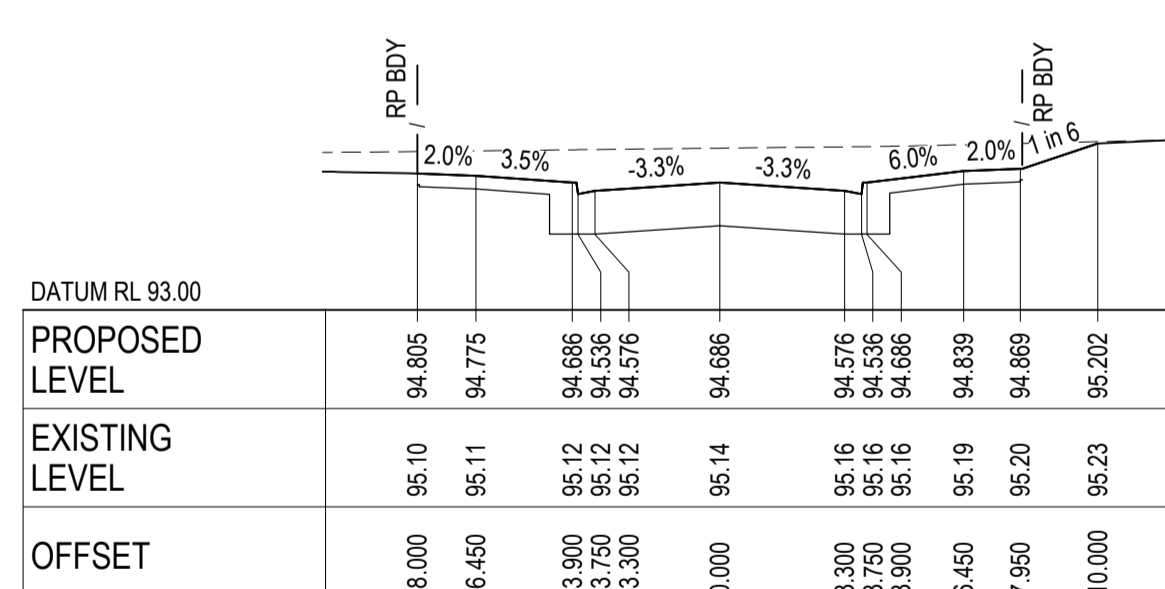
CH 720.000



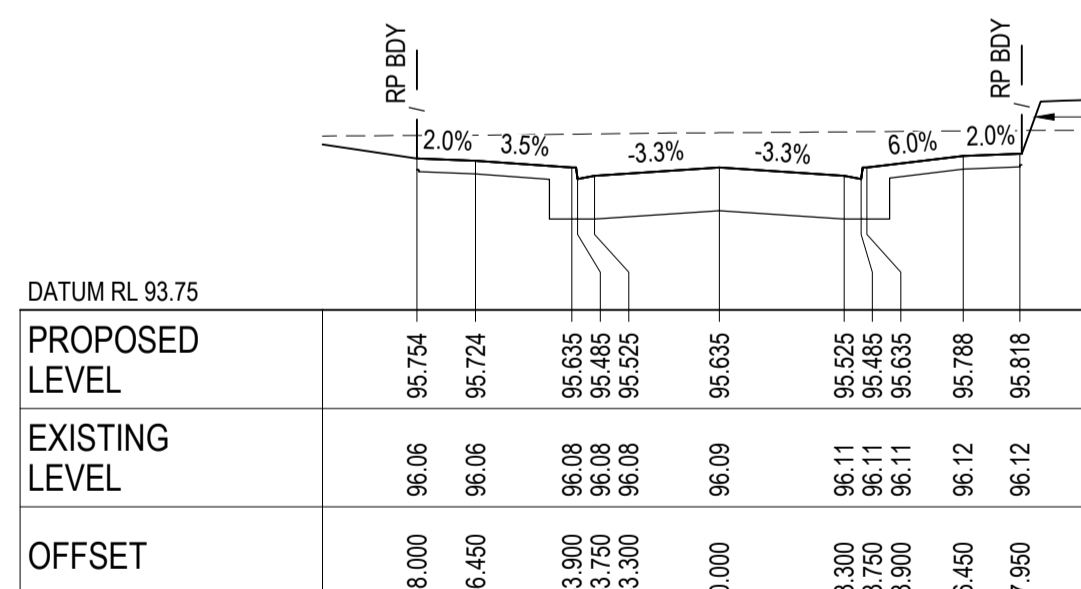
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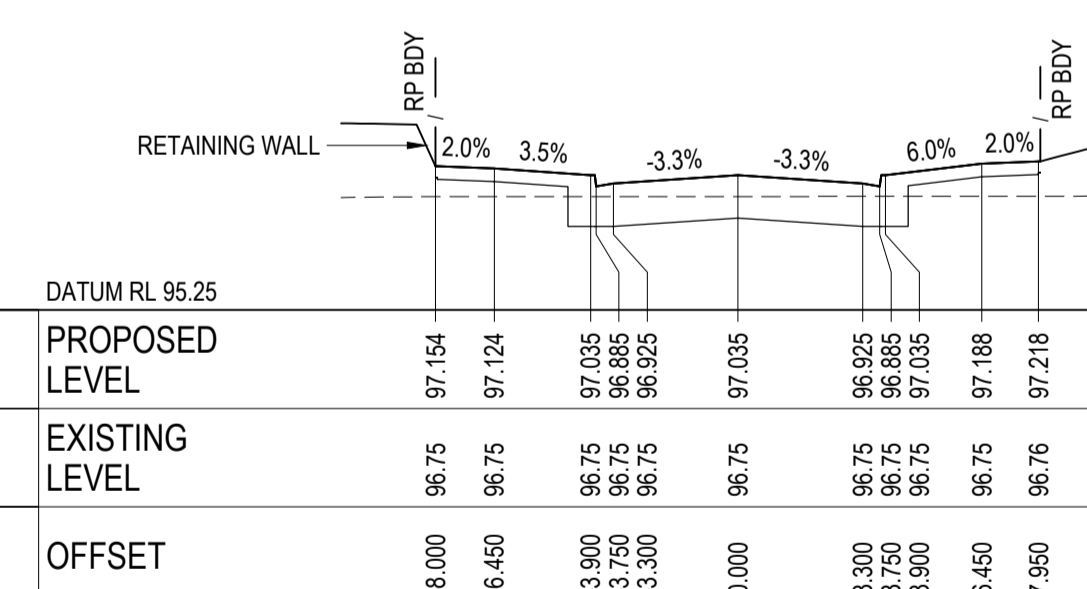
CH 765.244



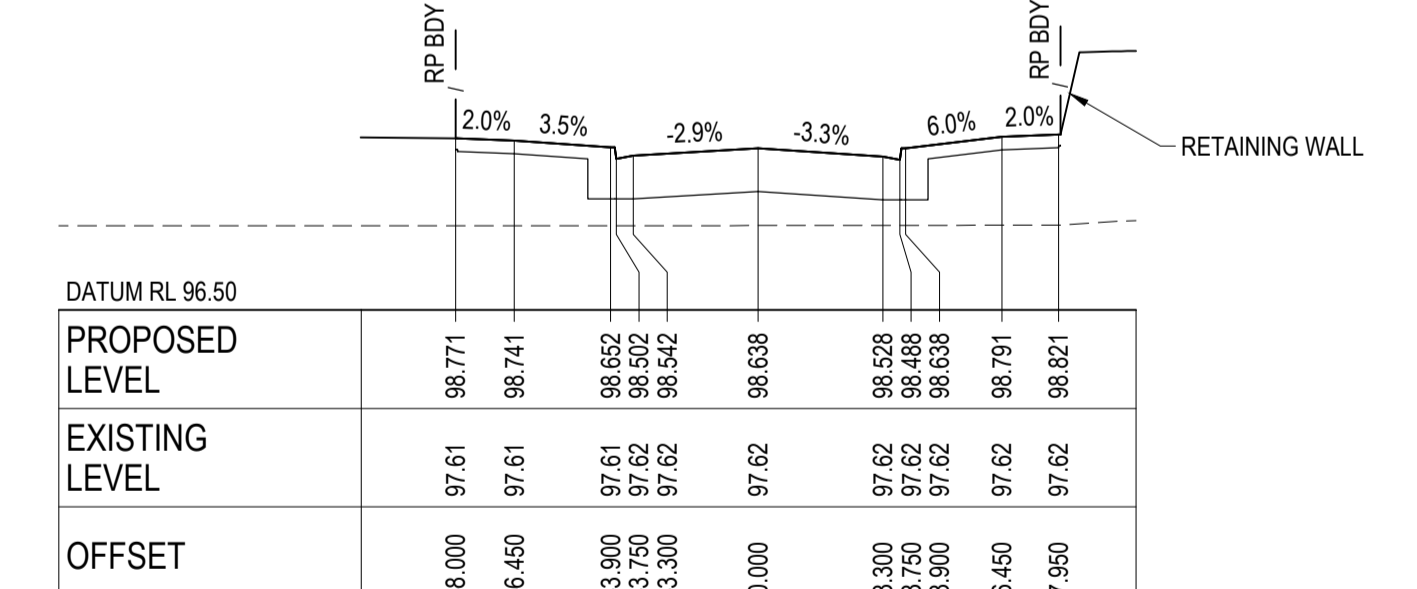
CH 707.244



CH 740.000



CH 760.244



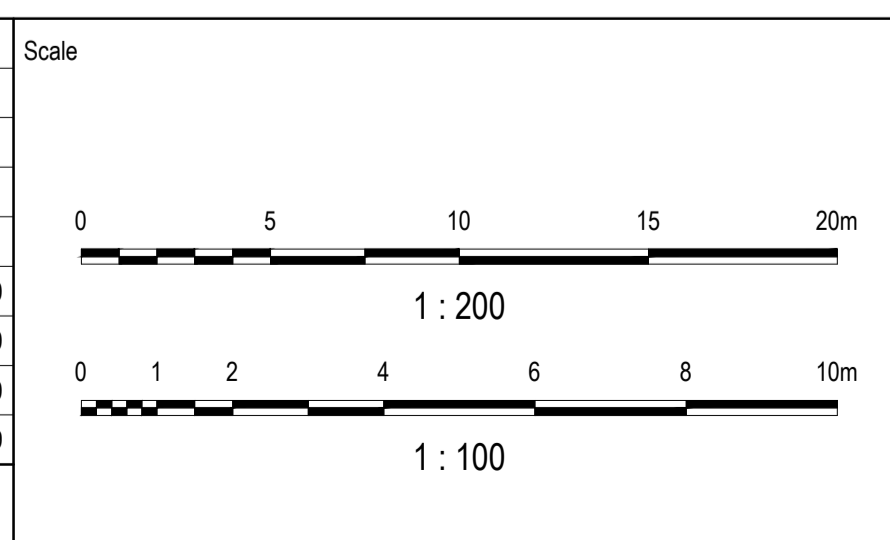
CH 782.744

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.

CROWLANDS CIRCUIT (MC03) - 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	13.10.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	28.07.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19



Planner
RD RobertsDay
 planning.design.place

Client
RESIMAX GROUP

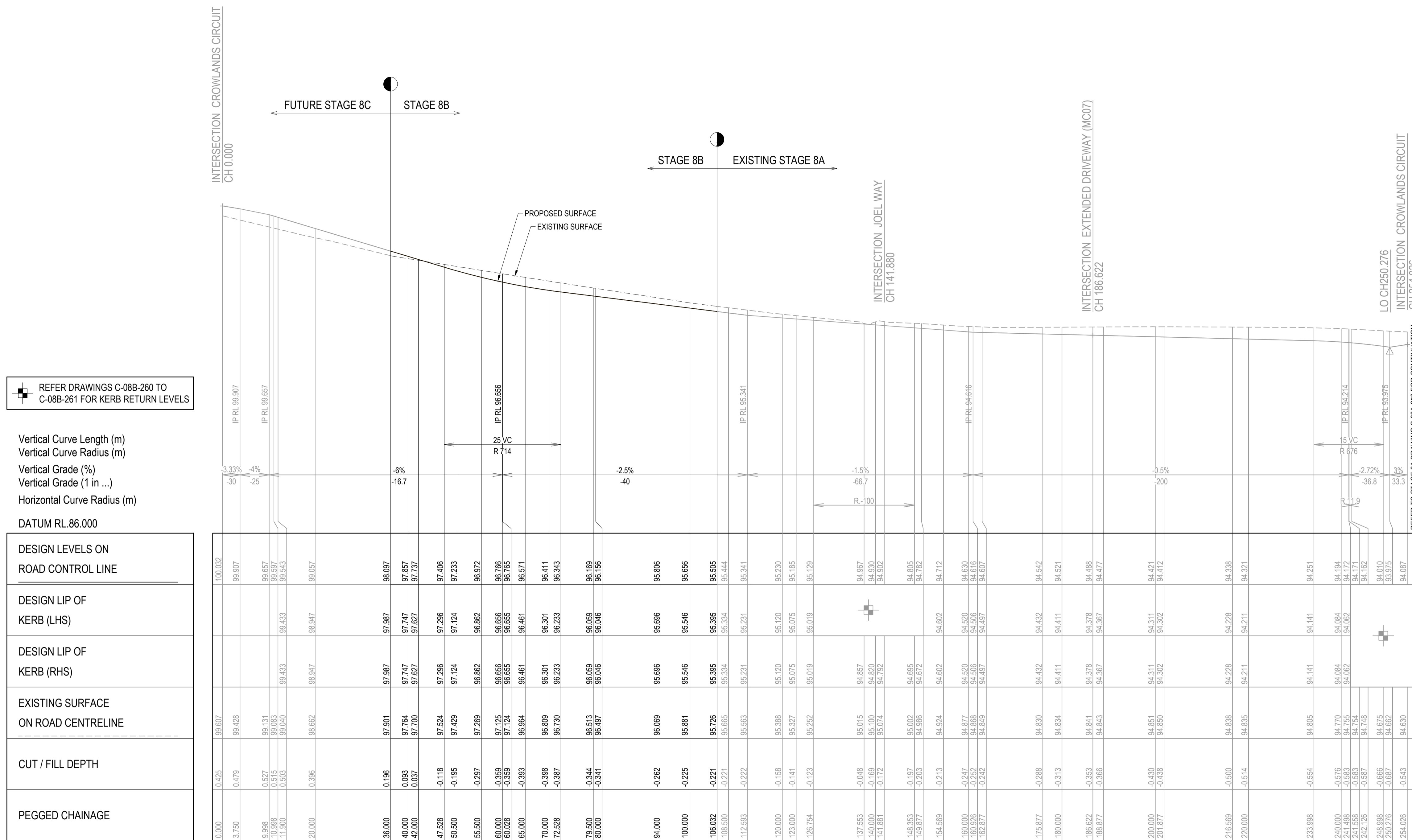
Status: **AS CONSTRUCTED**
 Verifier: **Z.STROGUSZ**
 Scales: 1:200 (H), 1:100 (V)
 Original Size: **A1**
 Height Datum: **AHD**
 Grid: **MGA**

Project: **EYNESBURY TOWNSHIP STAGE 8B**
 Title: **CROWLANDS CIRCUIT ROAD CROSS SECTION SHEET 2 OF 2**

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-088-245** Project No. **10029435** Issue **B**

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



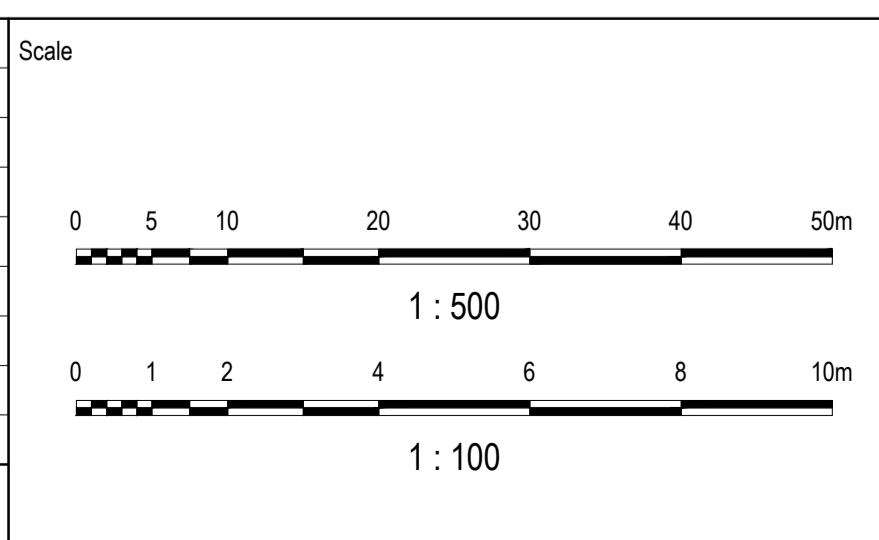
AMPHITHEATRE STREET (MC04) - LONGITUDINAL SECTION

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.

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02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19



Planner

Filename C-08b-246-10029435-RoadLS MC04.dwg

Client

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

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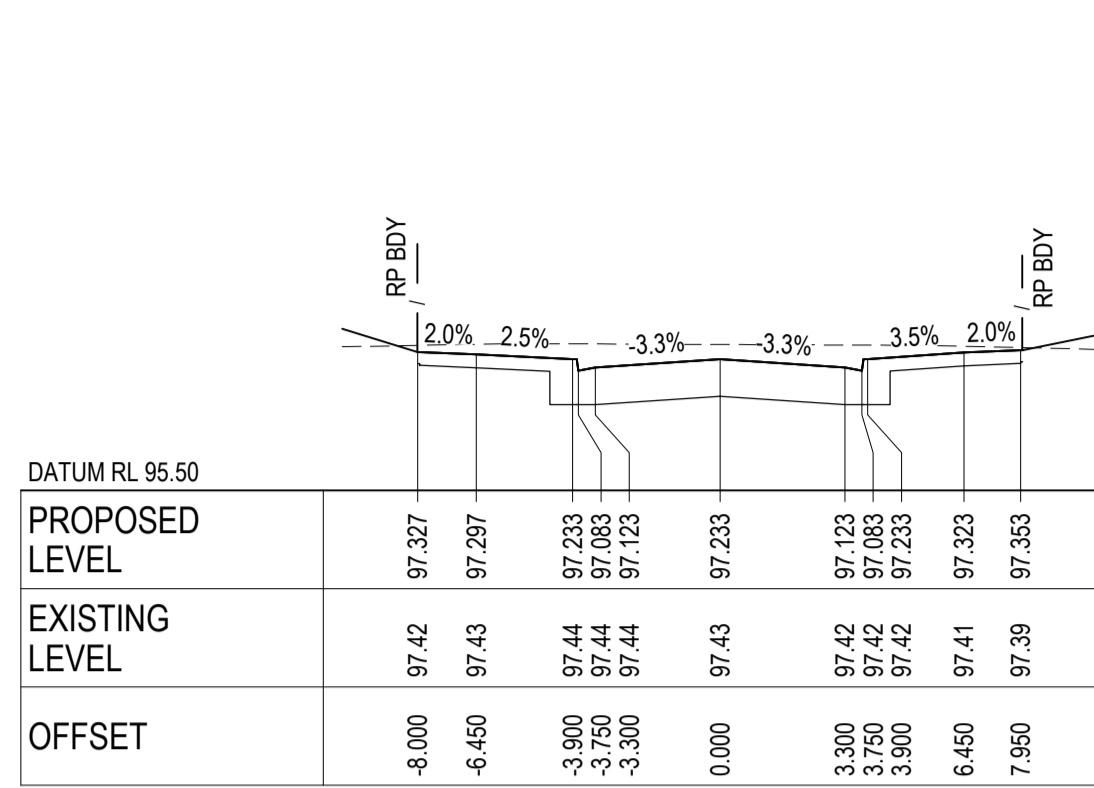
Project: EYNESBURY TOWNSHIP STAGE 8B

Title: AMPHITHEATRE STREET ROAD LONGITUDINAL SECTION

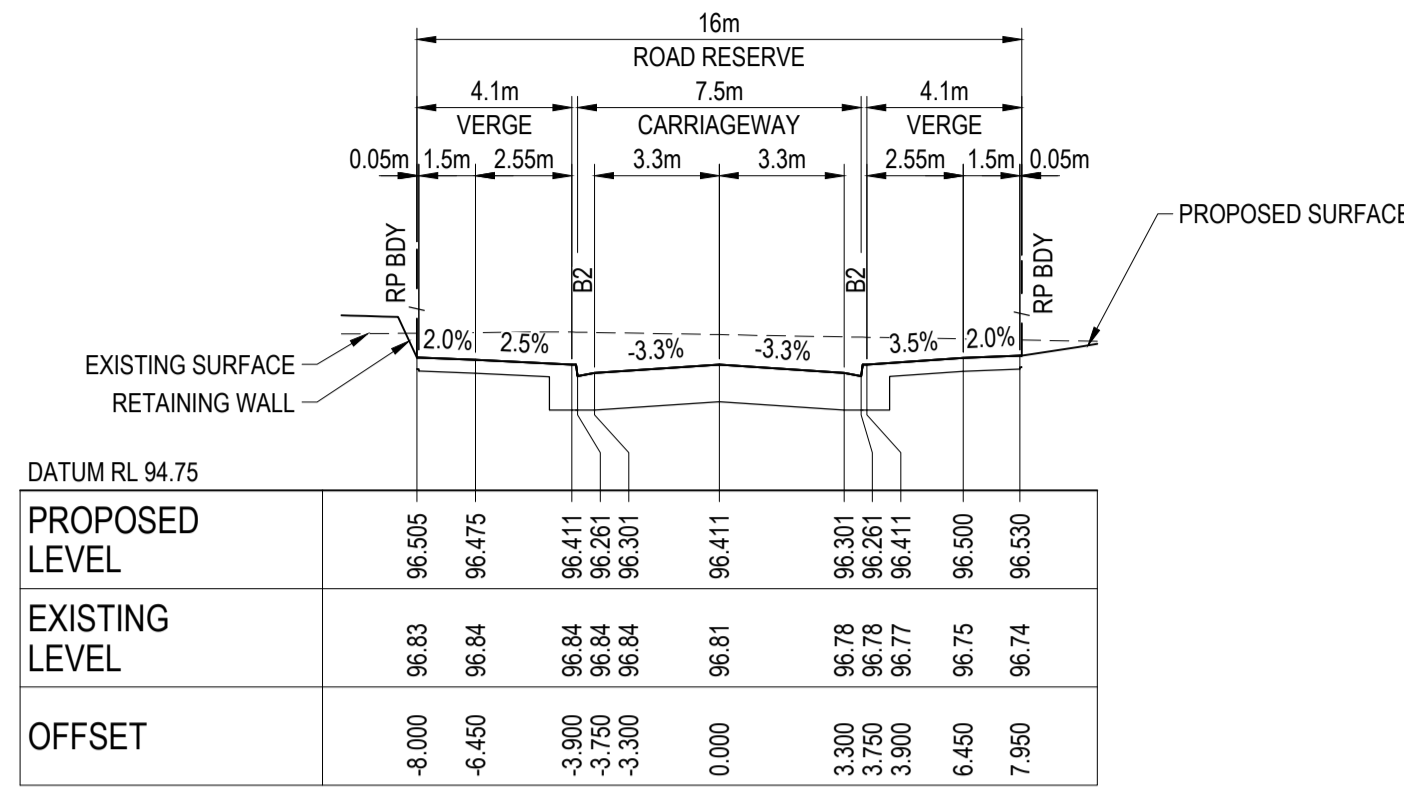
Arcadis Australia Pacific Pty Limited
Level 32, 140 William Street
Melbourne VIC 3000
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

Drawing No. C-08B-246 Project No. 10029435 Issue B

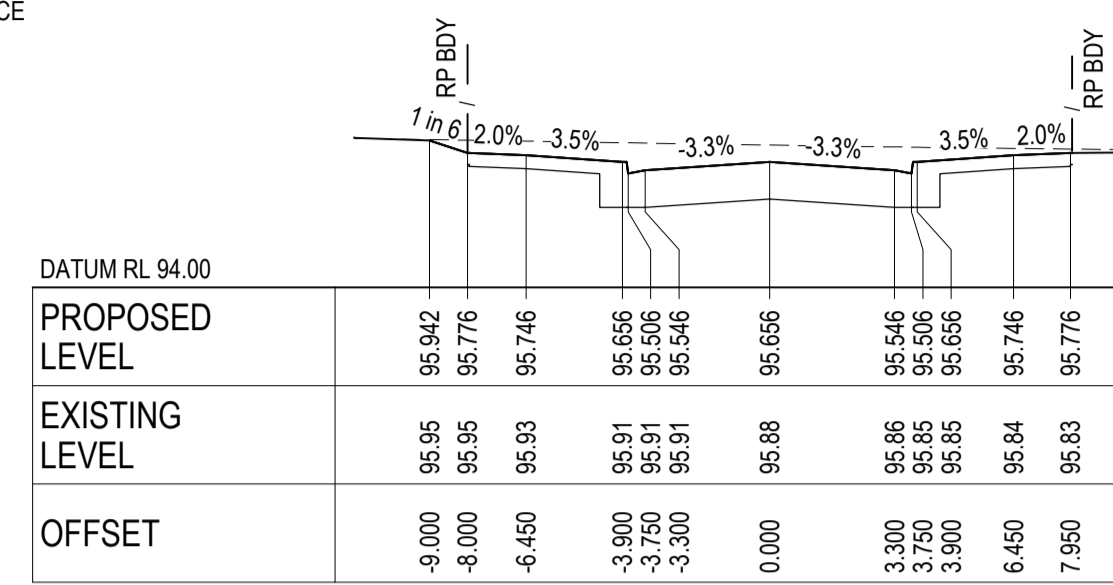
NOTE:
 1. FOR GENERAL NOTES, REFER TO DRAWING No. C-088-002.
 2. STRUCTURAL FILL IS REQUIRED WHERE FOOTPATH OR PAVEMENT IS CONSTRUCTED ABOVE EXISTING SURFACE.



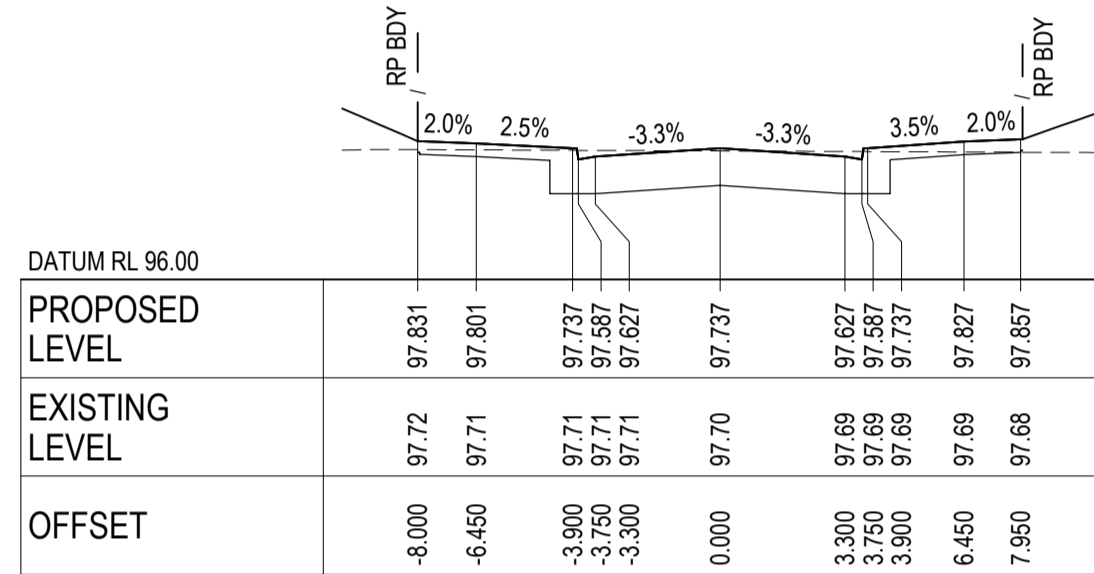
CH 50.50



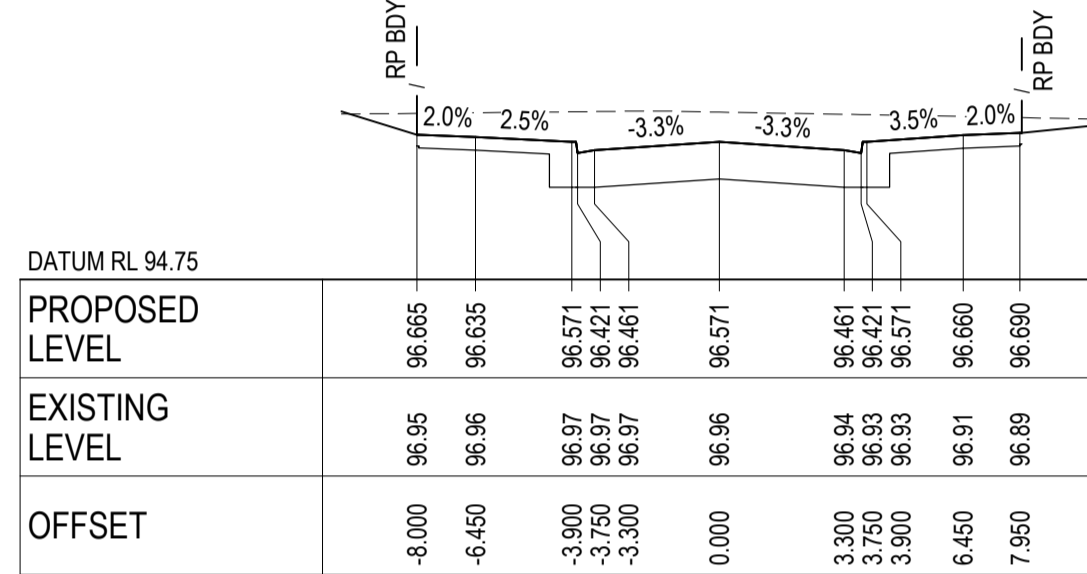
CH 70.00



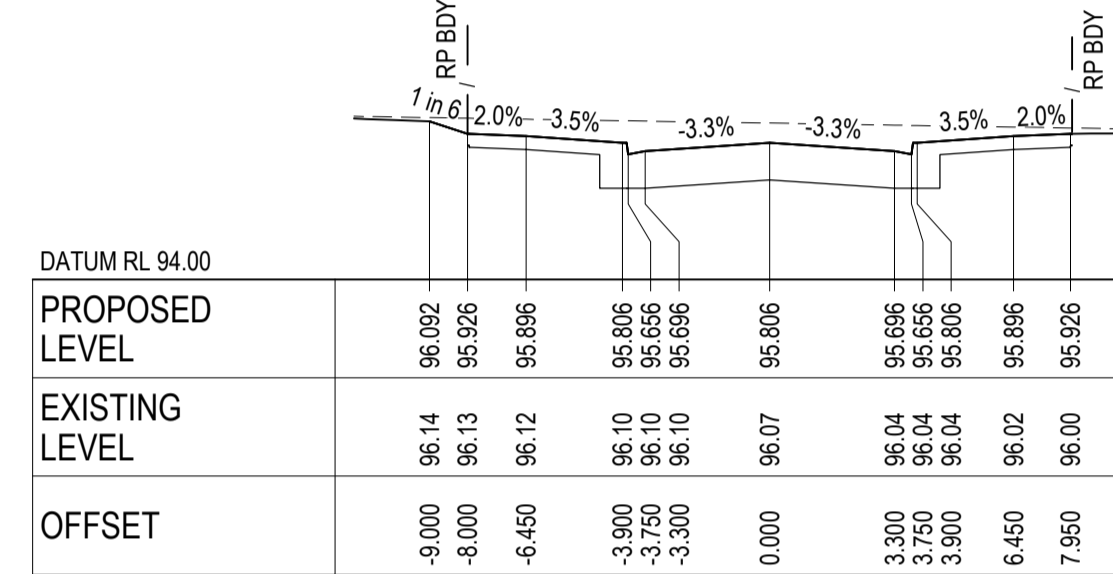
CH 100.00



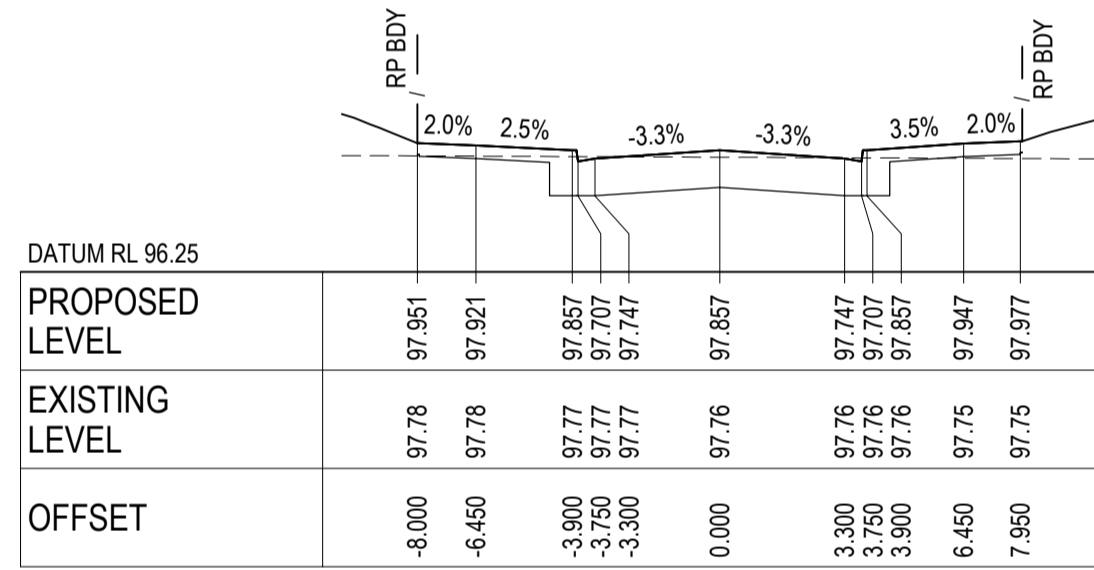
CH 42.00



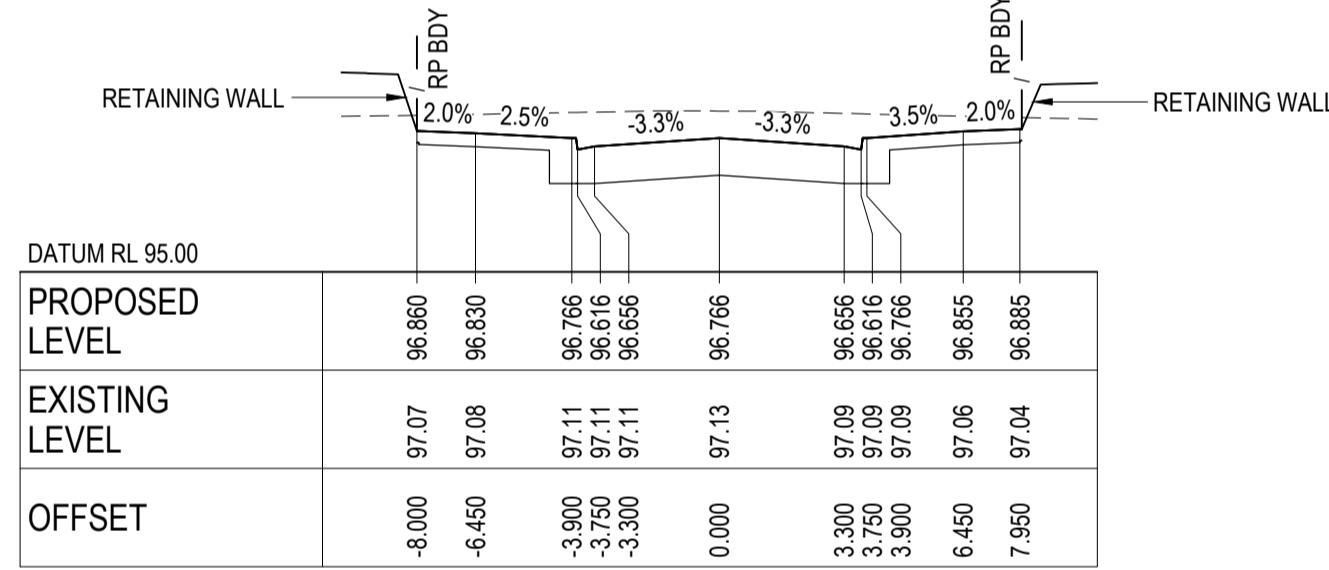
CH 65.00



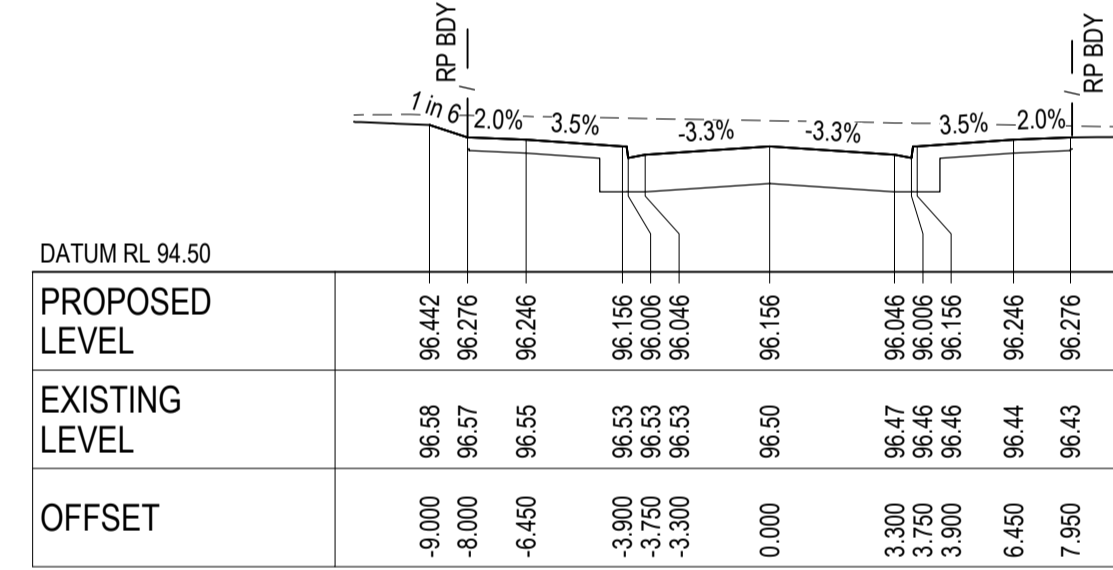
CH 94.00



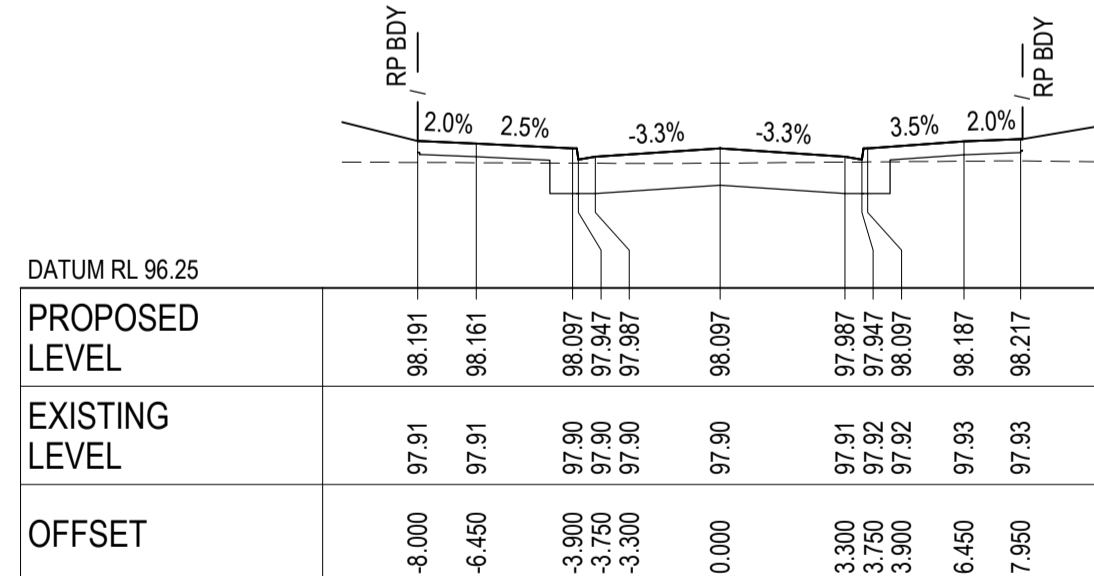
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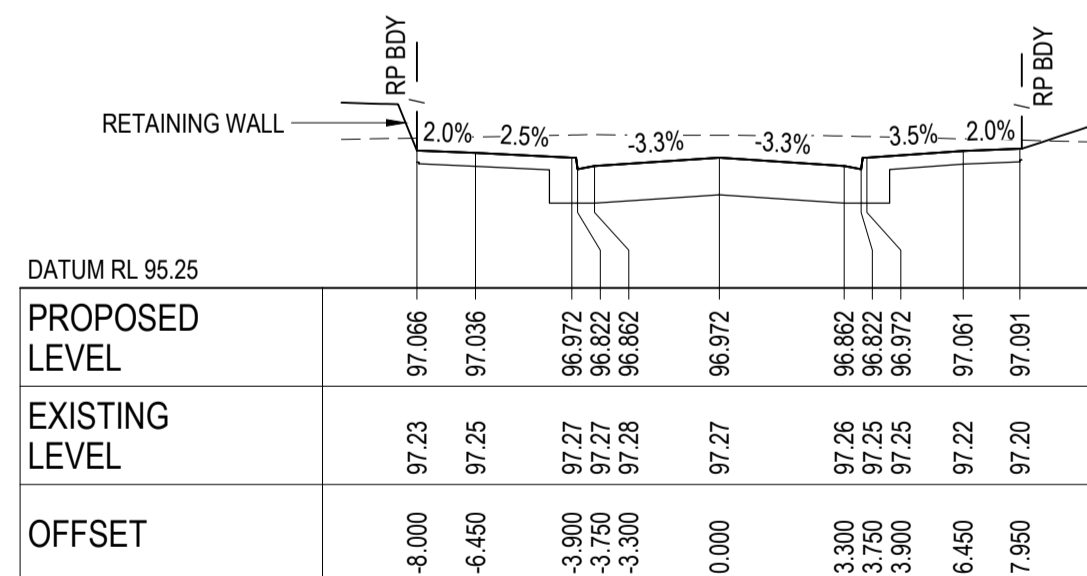
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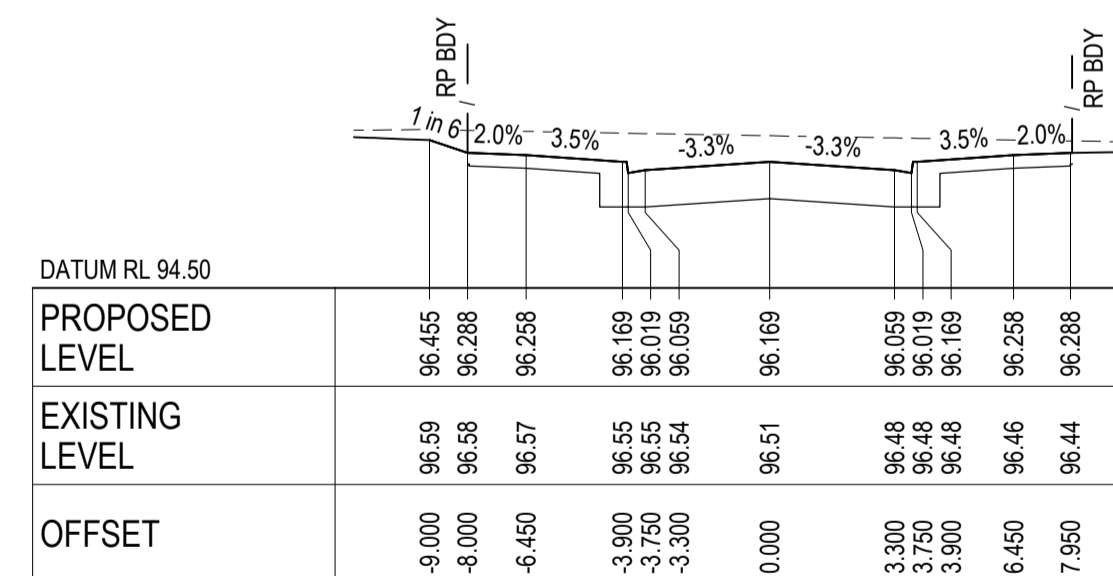
CH 80.00



CH 36.00

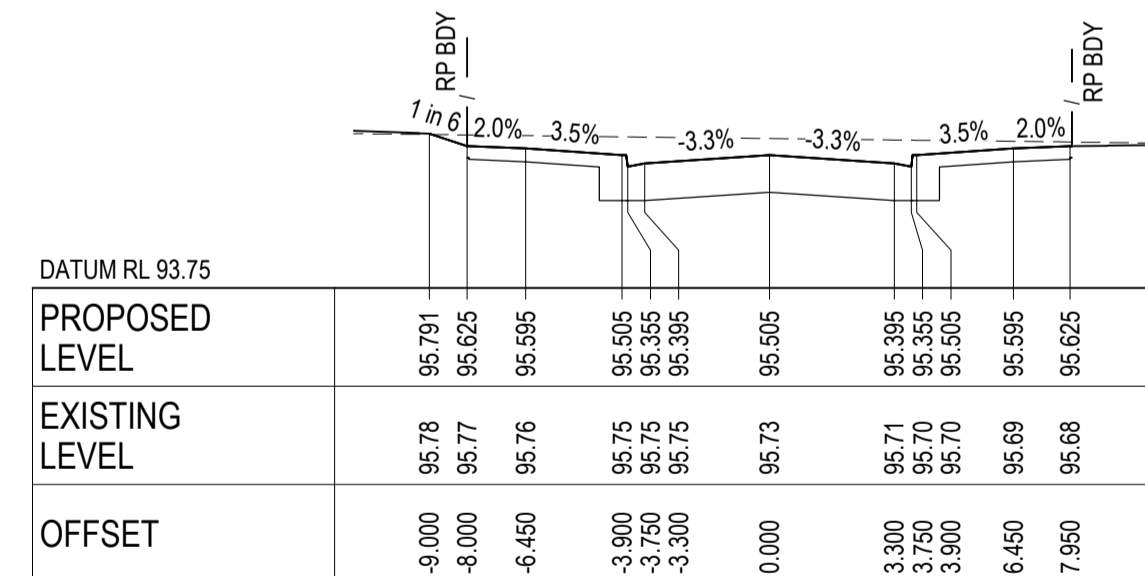


CH 55.50



CH 79.50

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.

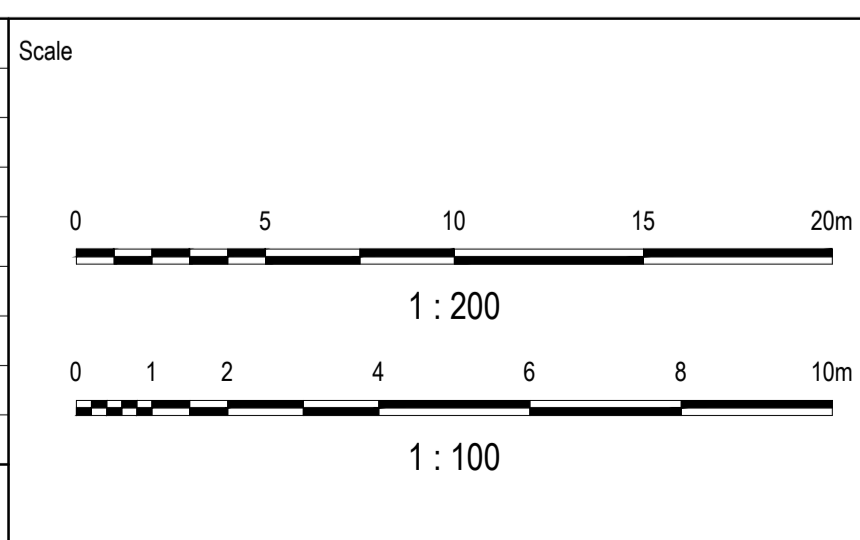


CH 106.032

AMPHITHEATRE STREET (MC04) - 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	13.10.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	28.07.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19



Planner
RD RobertsDay
 planning.design.place

Client
RESIMAX
 GROUP

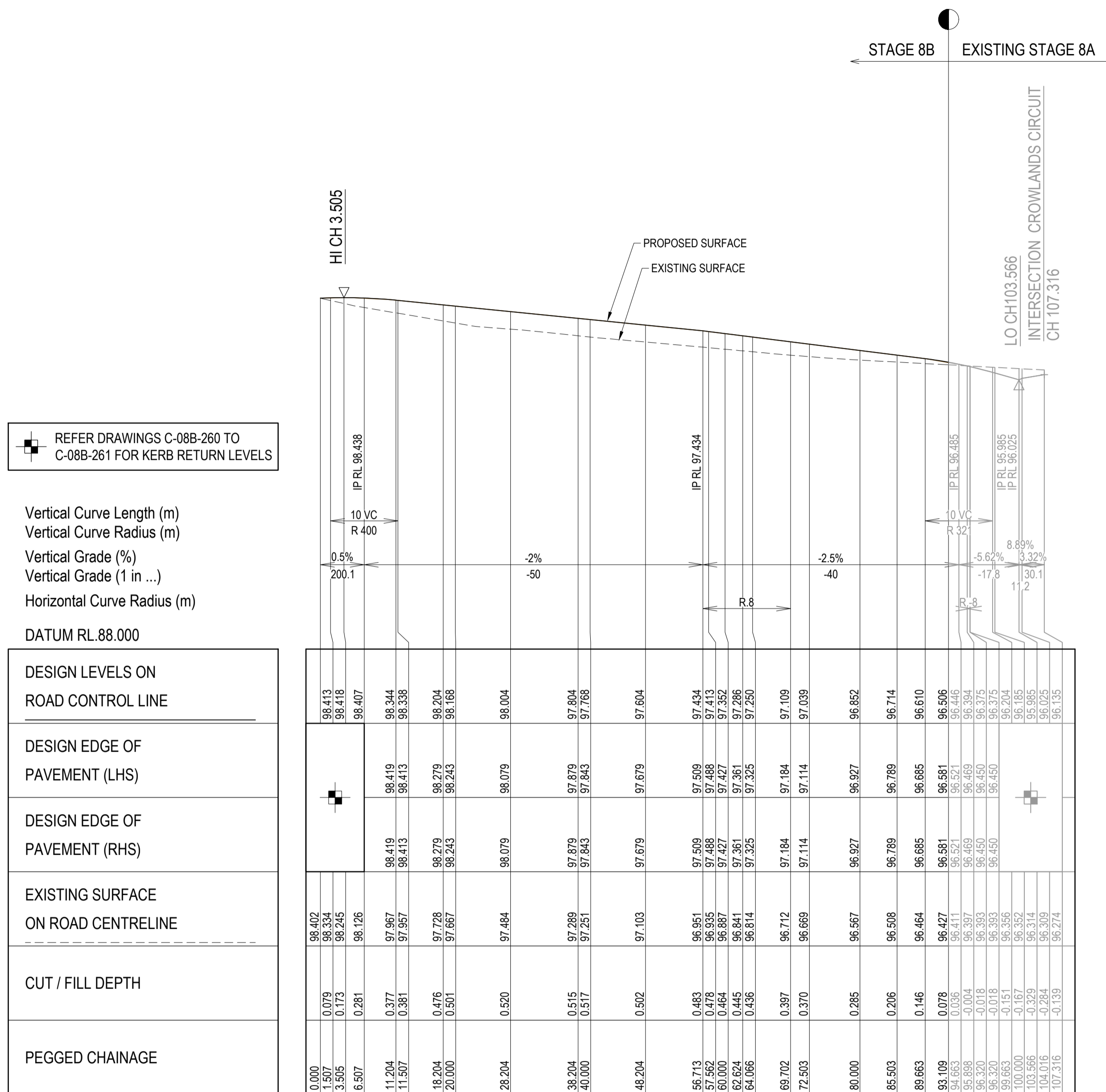
Status	AS CONSTRUCTED
Verifier	Z.STROGUSZ
Scales	1:200 (H) 1:100 (V)
Original Size	A1
Height Datum	AHD
Grid	MGA

Project	EYNESBURY TOWNSHIP STAGE 8B
Title	AMPHITHEATRE STREET ROAD CROSS SECTION

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-08B-247
 Project No. 10029435
 Issue B

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



REFER DRAWINGS C-08B-260 TO C-08B-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

DESIGN LEVELS ON ROAD CONTROL LINE	DESIGN EDGE OF PAVEMENT (LHS)	DESIGN EDGE OF PAVEMENT (RHS)	EXISTING SURFACE ON ROAD CENTRELINE	CUT / FILL DEPTH	PEGGED CHAINAGE
98.413			96.402	0.079	0.000
98.418			96.534	0.173	1.507
98.407			96.245	0.281	3.505
			96.126		6.507
98.419	98.419	98.419	97.967	0.377	11.204
98.344	98.413	98.413	97.957	0.381	11.507
98.338	98.279	98.279	97.728	0.476	18.204
98.204	98.243	98.243	97.667	0.501	20.000
98.168	98.079	98.079	97.484	0.520	28.204
98.004	97.879	97.879	97.289	0.515	38.204
97.804	97.843	97.843	97.251	0.517	40.000
97.768	97.679	97.679	97.103	0.592	48.204
97.604	97.509	97.509	96.951	0.463	56.713
97.434	97.488	97.488	96.935	0.478	57.562
97.413	97.427	97.427	96.887	0.464	60.000
97.352	97.361	97.361	96.841	0.445	62.624
97.296	97.325	97.325	96.674	0.456	64.066
97.250	97.184	97.184	96.712	0.397	69.702
97.109	97.114	97.114	96.669	0.370	72.503
97.039	96.927	96.927	96.567	0.285	80.000
96.852	96.789	96.789	96.508	0.206	85.503
96.714	96.685	96.685	96.464	0.146	89.663
96.610	96.581	96.581	96.427	0.078	93.109
96.506	96.411	96.411	96.321	0.036	94.653
96.446	96.459	96.459	96.397	-0.004	95.888
96.394	96.450	96.450	96.393	-0.018	96.320
96.375	96.450	96.450	96.365	-0.015	96.660
96.374	96.450	96.450	96.365	-0.015	96.660
96.185	96.325	96.325	96.352	-0.167	100.000
96.985	96.314	96.314	96.314	-0.229	103.566
96.025	96.309	96.309	96.309	-0.284	104.016
96.135	96.274	96.274	96.274	-0.139	107.316

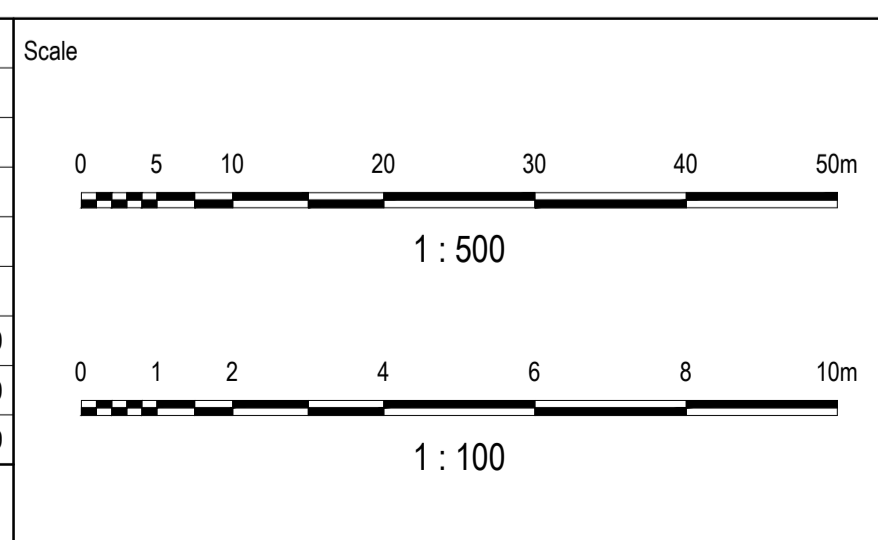
WAANYARRA LANE (MC12) - LONGITUDINAL SECTION

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 ACCEPTS 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	13.10.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19



Planner

Client

Filename C-08b-248-10029435-RoadLS MC12.dwg

Status

AS CONSTRUCTED

Verifier

Z.STROGUSZ

Scales

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

Original Issue Signatures

Drawn
W.BUMAGAT

Original Size

A1

Designed
J.ROCK

Height Datum

AHD

Project Manager
S.EISEL

Grid

MGA

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Project

EYNESBURY TOWNSHIP
STAGE 8B

Title

WAANYARRA LANE (MC12) ROAD
LONGITUDINAL SECTION

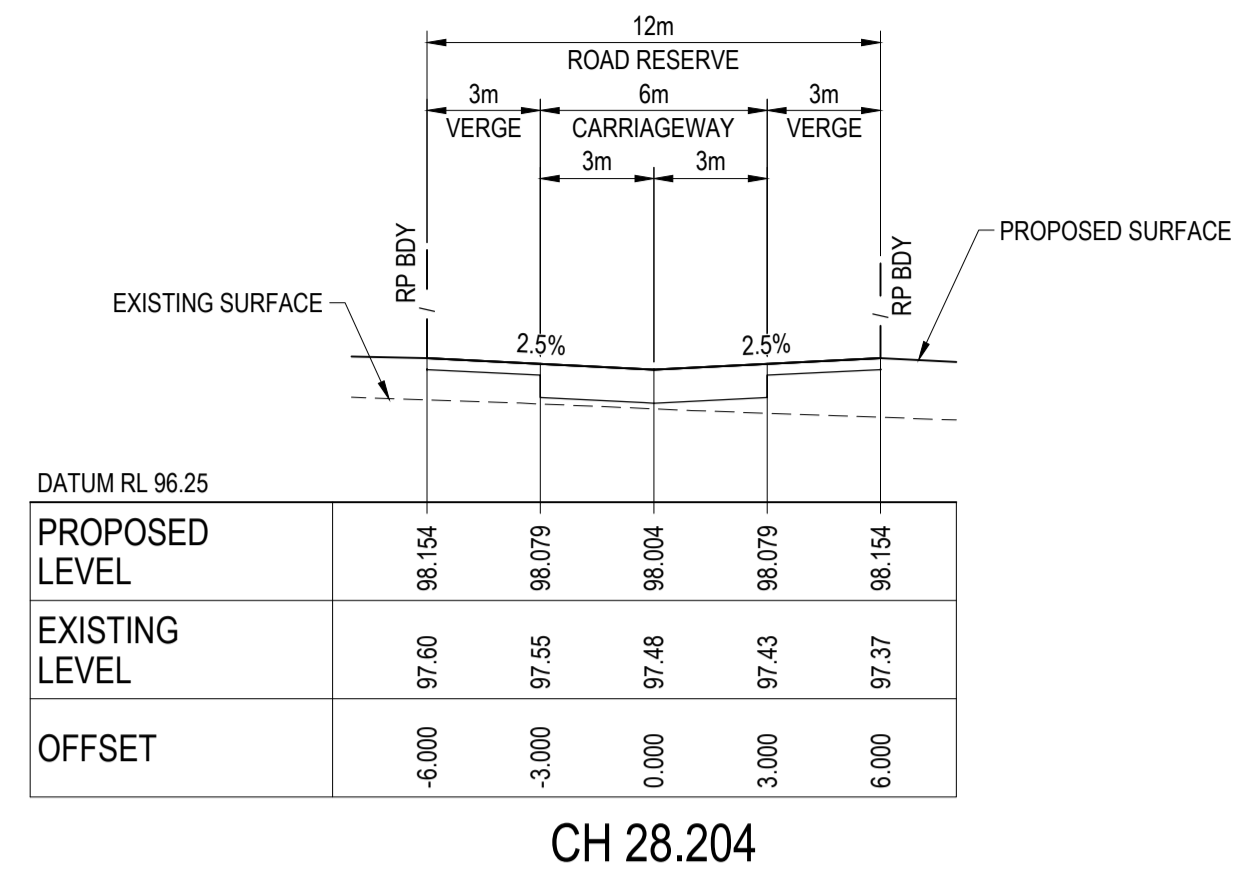
Arcadis Australia Pacific Pty Limited
Level 32, 140 William Street
Melbourne VIC 3000
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

Drawing No. C-08B-248

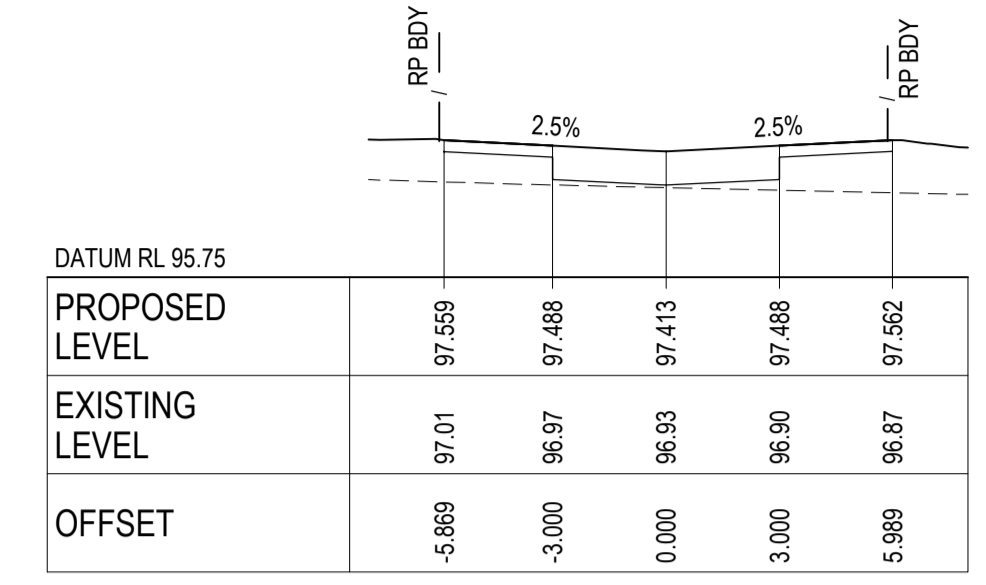
Project No. 10029435

Issue B

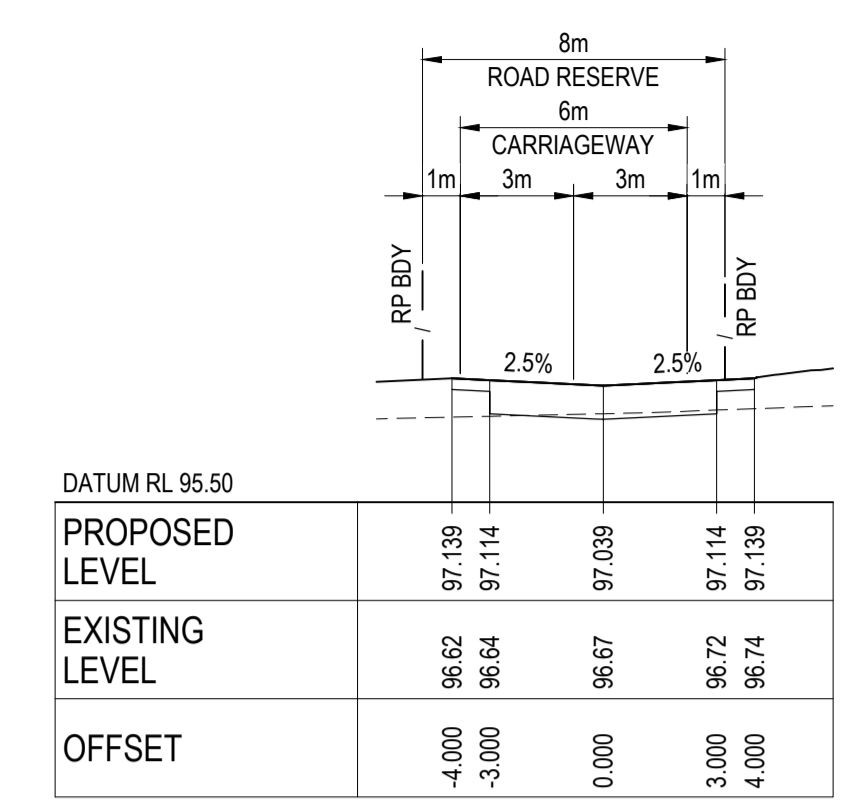
NOTE:
 1. FOR GENERAL NOTES, REFER TO DRAWING No. C-08B-002.
 2. STRUCTURAL FILL IS REQUIRED WHERE FOOTPATH OR PAVEMENT IS CONSTRUCTED ABOVE EXISTING SURFACE.



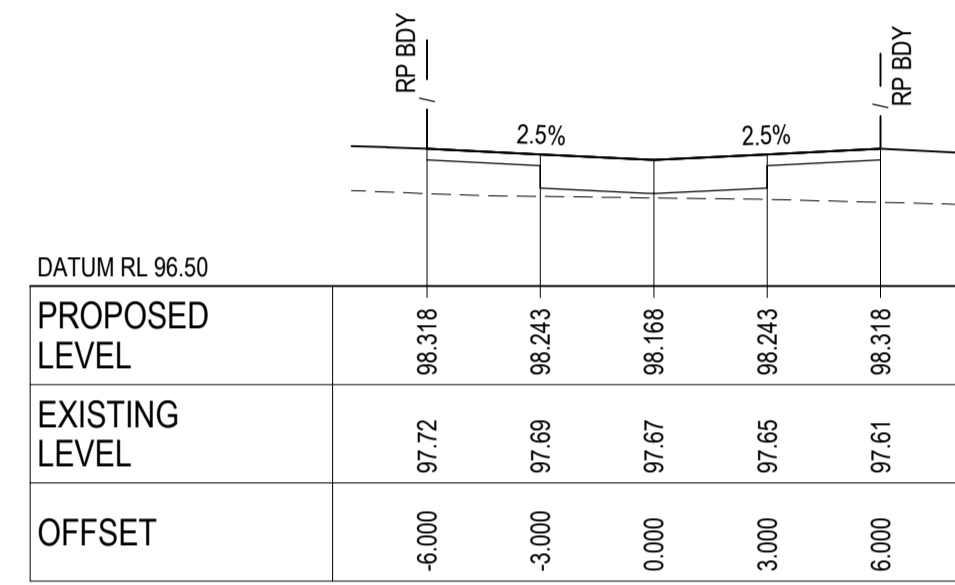
CH 28.204



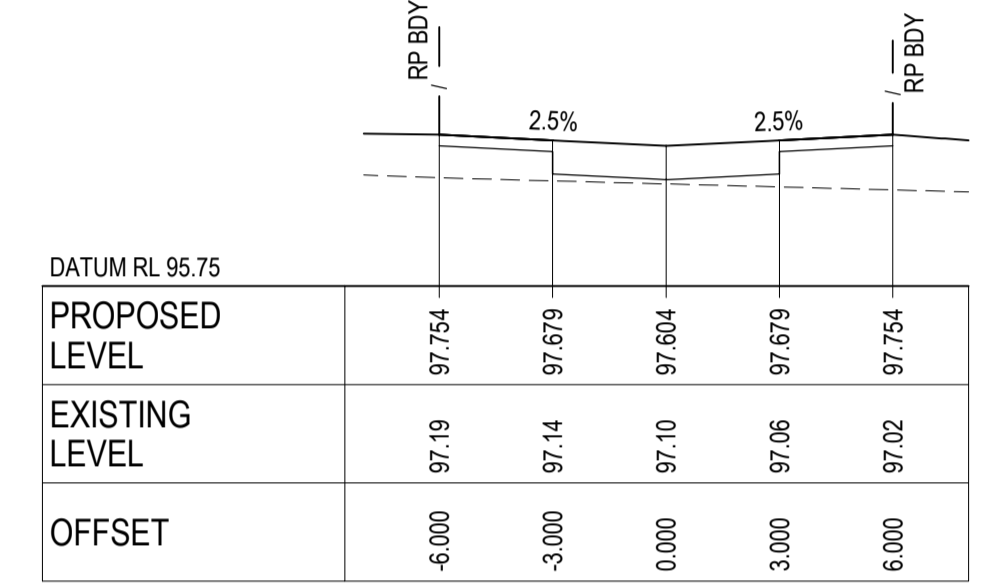
CH 57.562



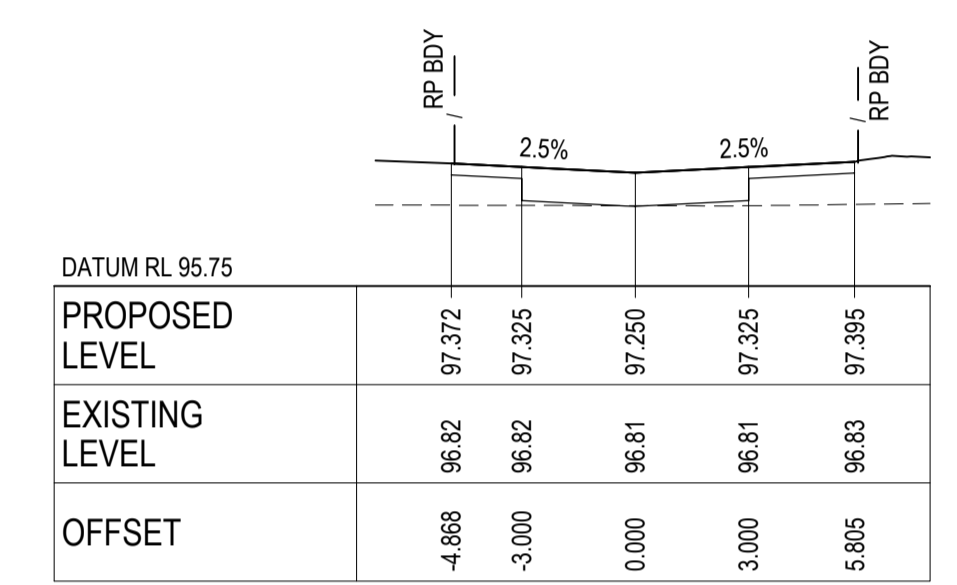
CH 72.503



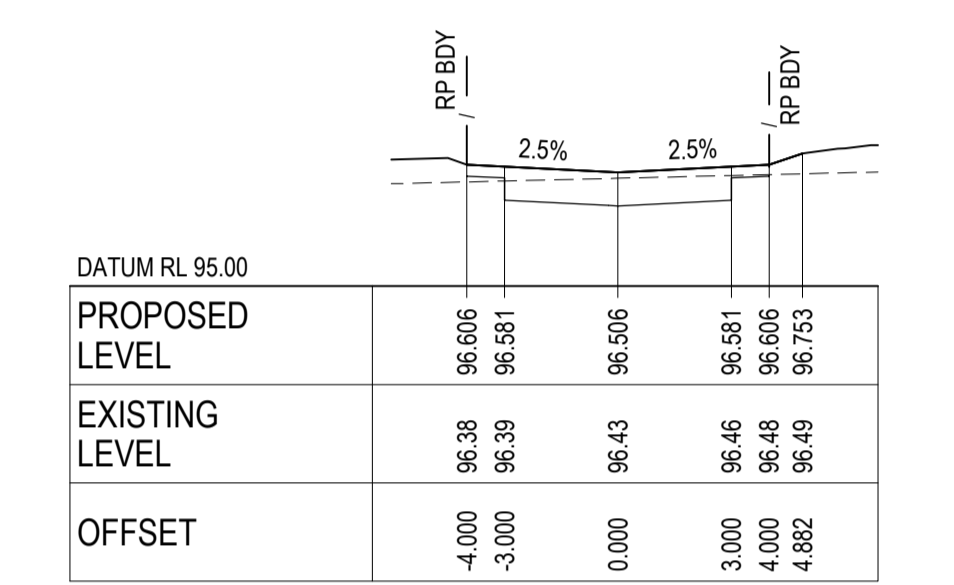
CH 20.000



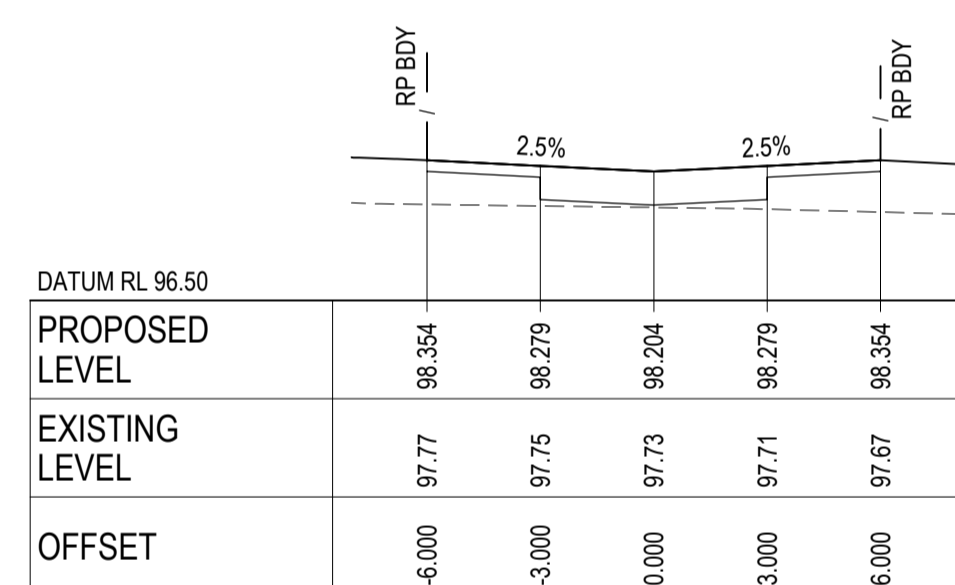
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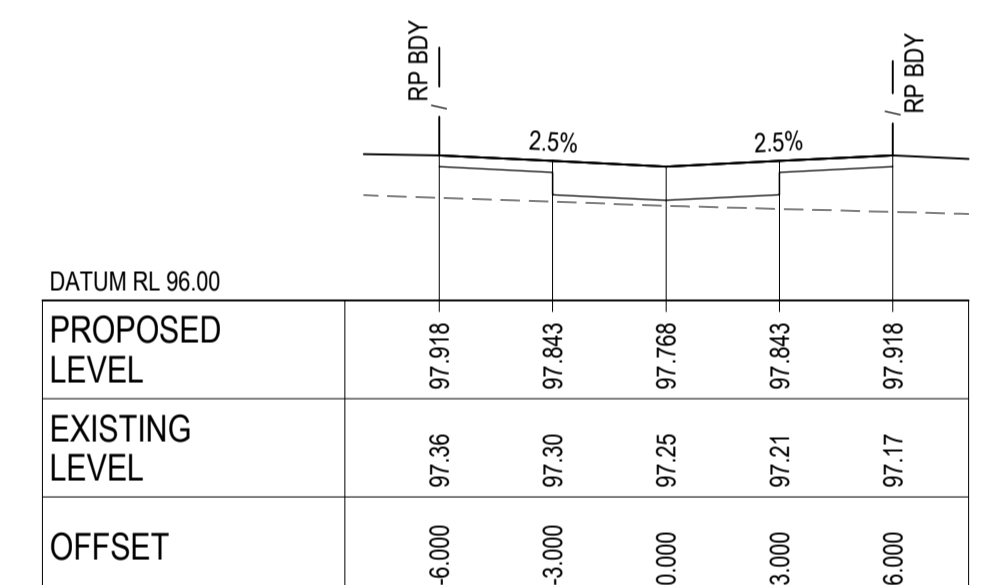
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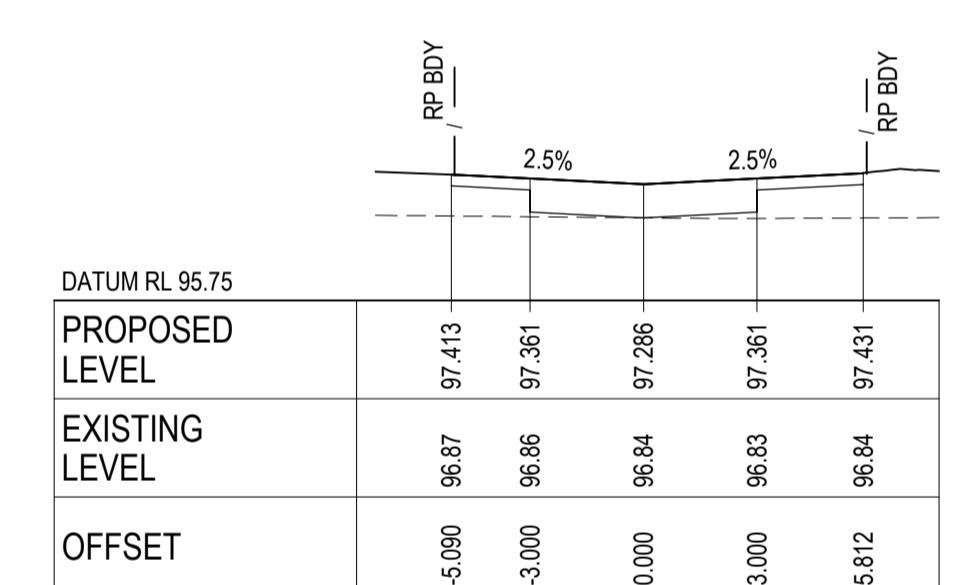
CH 93.109



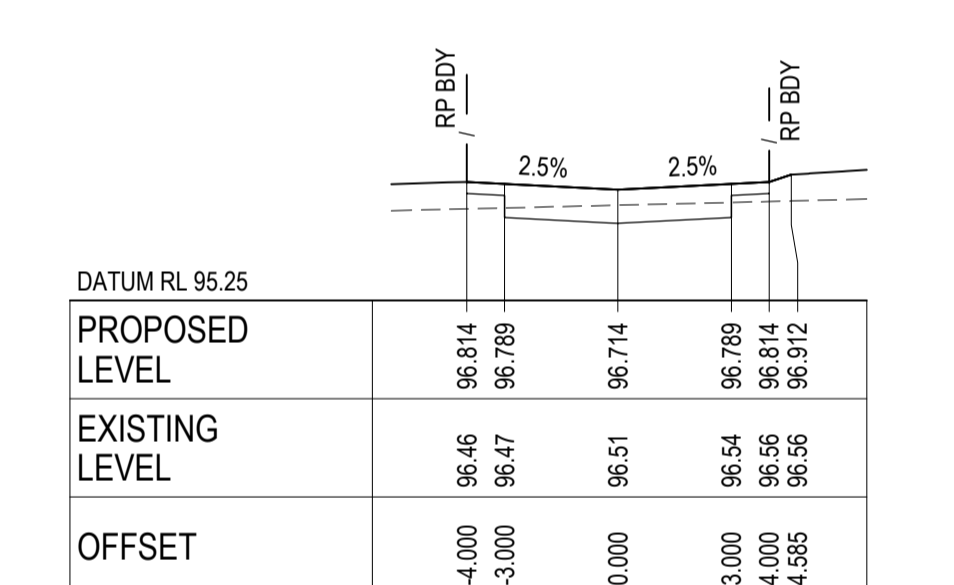
CH 18.204



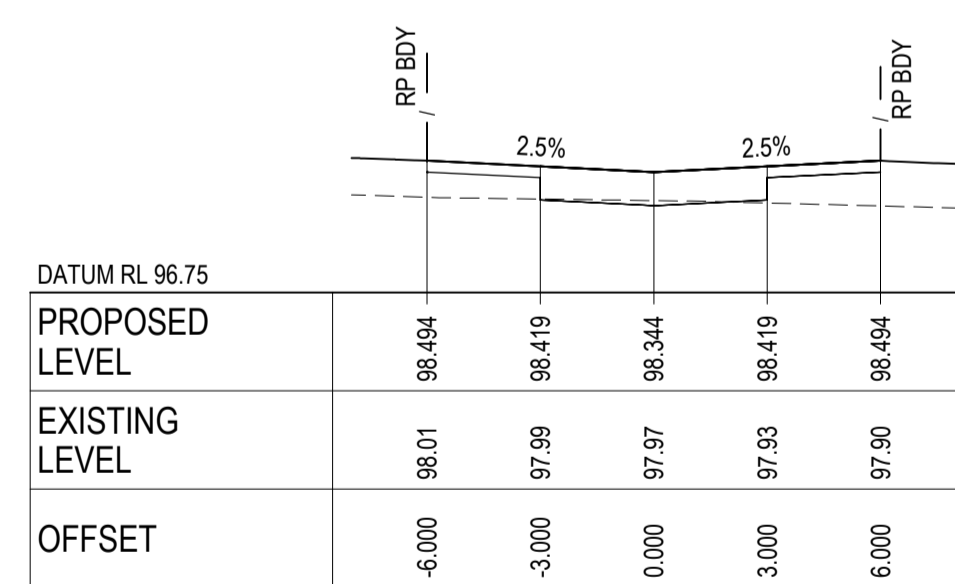
CH 40.000



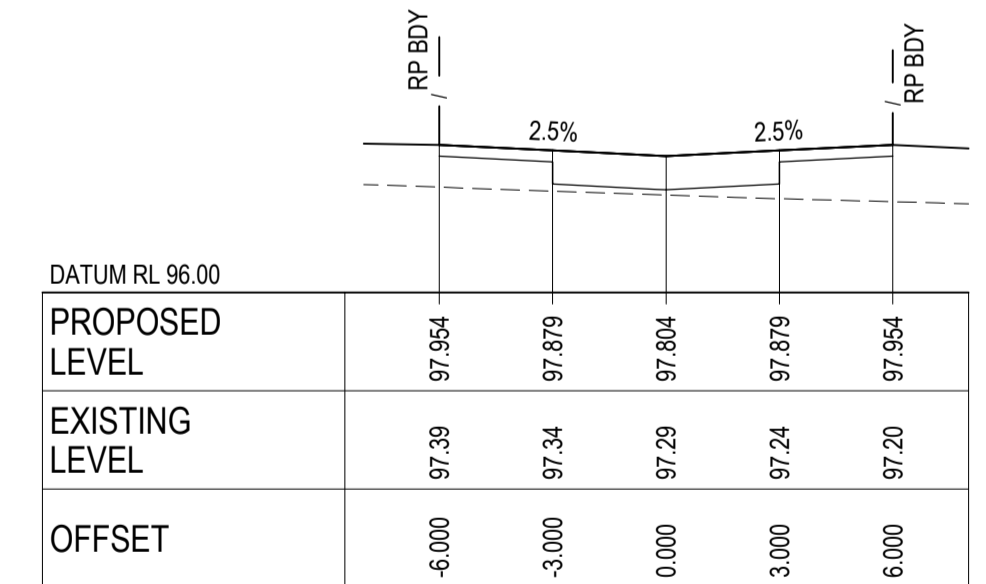
CH 62.624



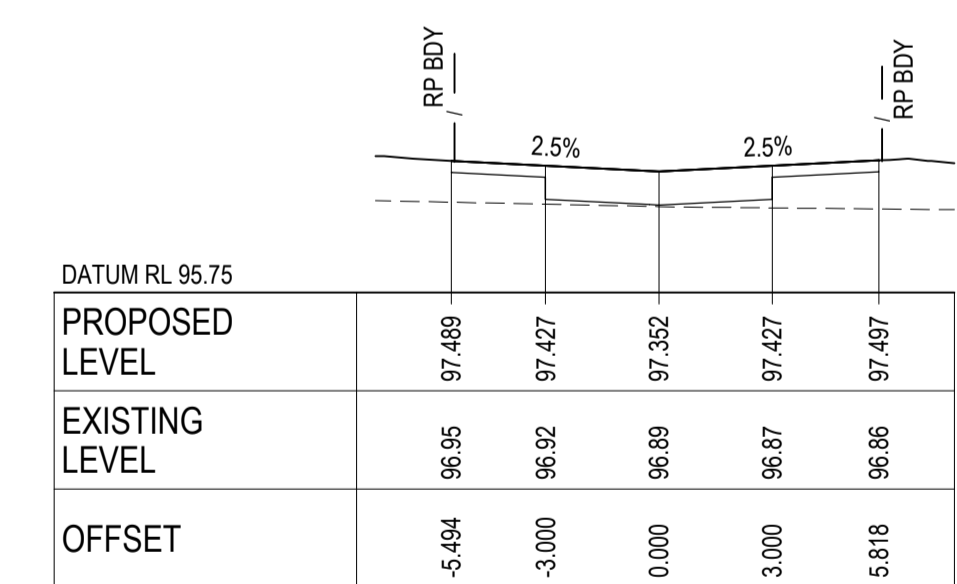
CH 85.503



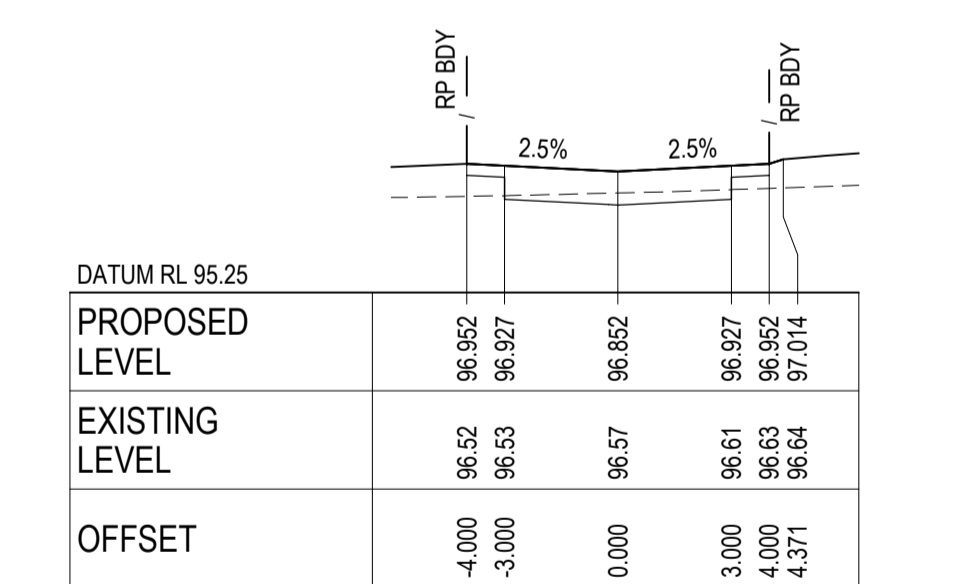
CH 11.204



CH 38.204



CH 60.000



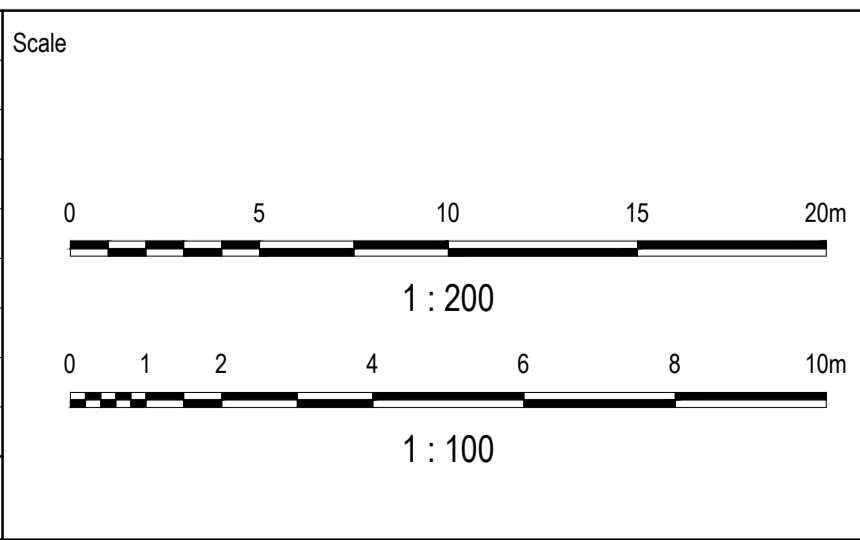
CH 80.000

WAANYARRA LANE (MC12) - CROSS SECTIONS

SCALE 1:200 HORI.
 1:100 VERT.

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 ACCEPTS 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	13.10.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19



Planner

RD RobertsDay
 planning.design.place

Client

RESIMAX
 GROUP

Filename C-08b-249-10029435-RoadXS MC12.dwg

Status

AS CONSTRUCTED

Verifier

Z.STROGUSZ

Scales

1:200 (H)
 1:100 (V)

Original Issue Signatures

Drawn W.BUMAGAT
 Designed J.ROCK
 Project Manager S.EISEL

Original Size

A1

Height Datum

AHD

Grid

MGA

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Project

EYNESBURY TOWNSHIP
 STAGE 8B

Title

WAANYARRA LANE (MC12) ROAD
 CROSS SECTION

Drawing No.

C-08B-249

Project No.

10029435

Issue

B

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

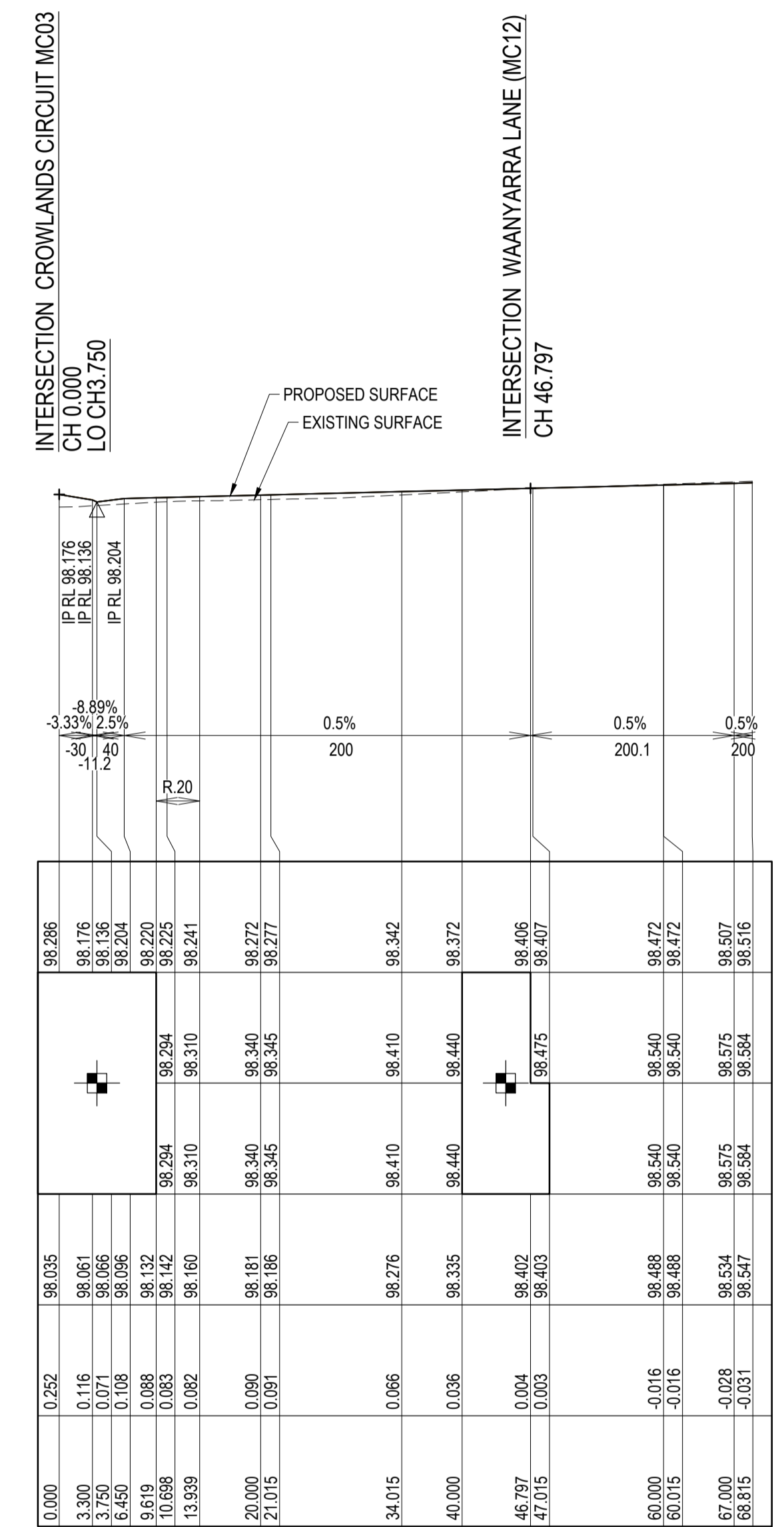
NOTE:
 1. FOR GENERAL NOTES, REFER TO DRAWING No. C-08B-002.
 2. STRUCTURAL FILL IS REQUIRED WHERE FOOTPATH OR PAVEMENT IS CONSTRUCTED ABOVE EXISTING SURFACE.

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

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

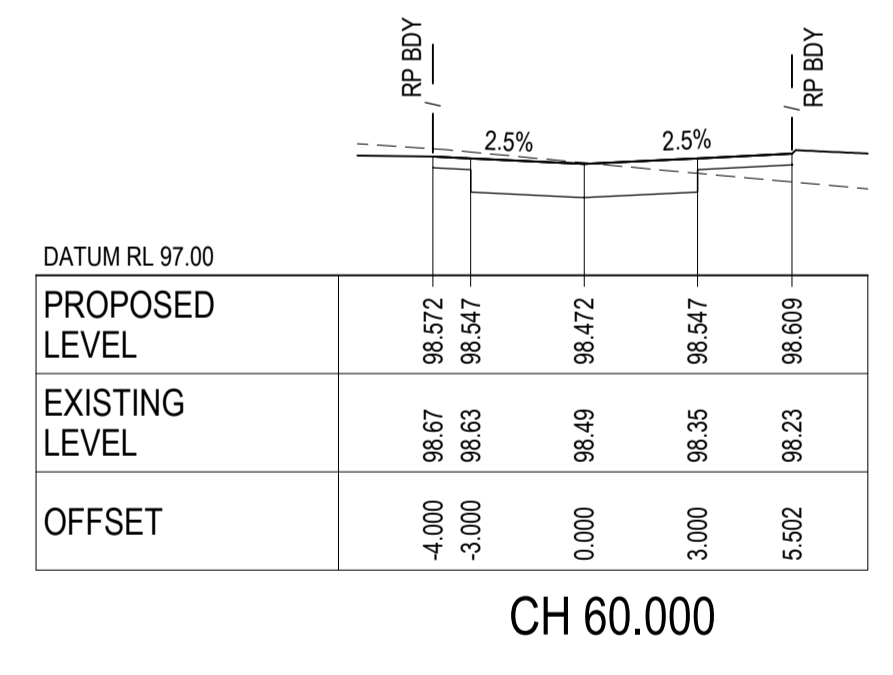
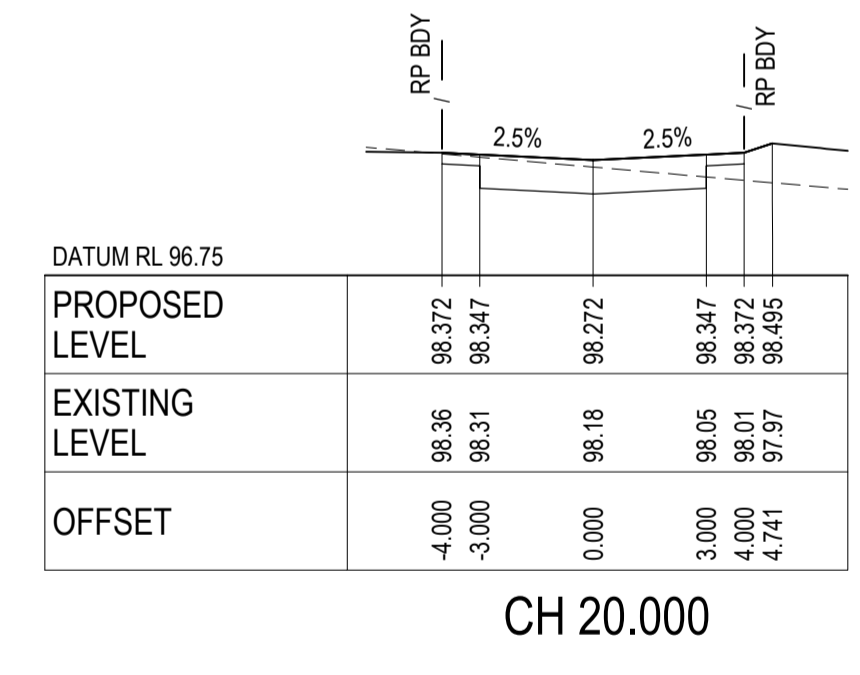
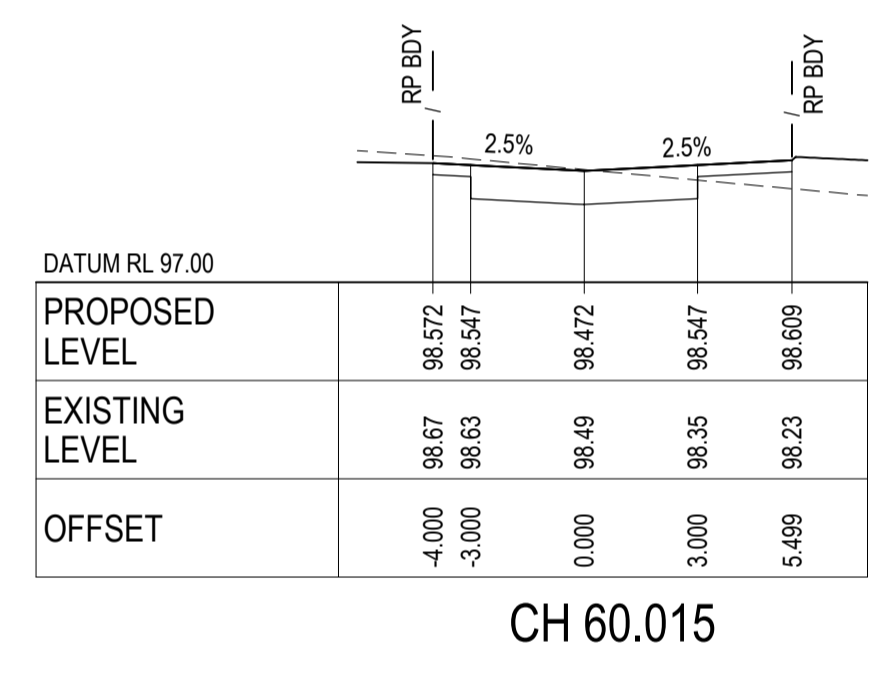
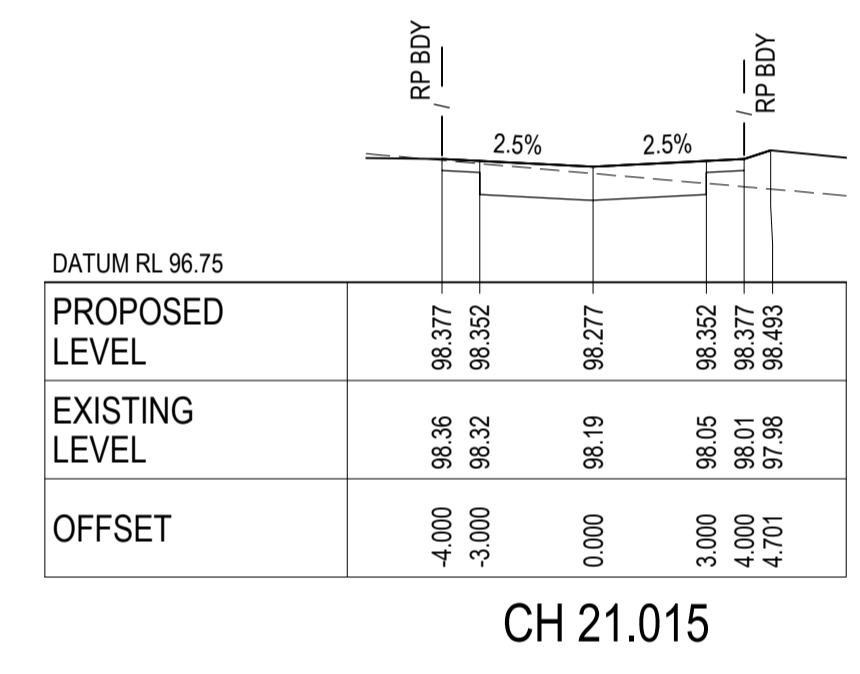
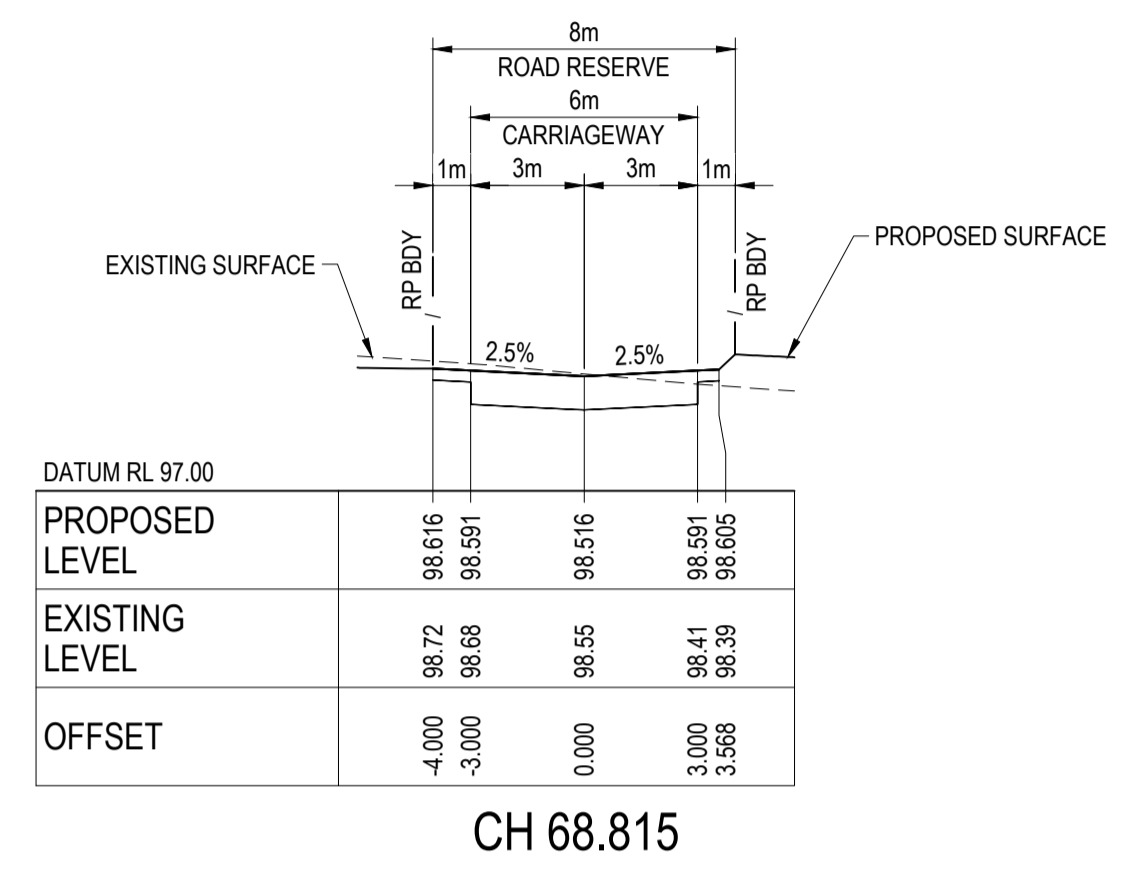
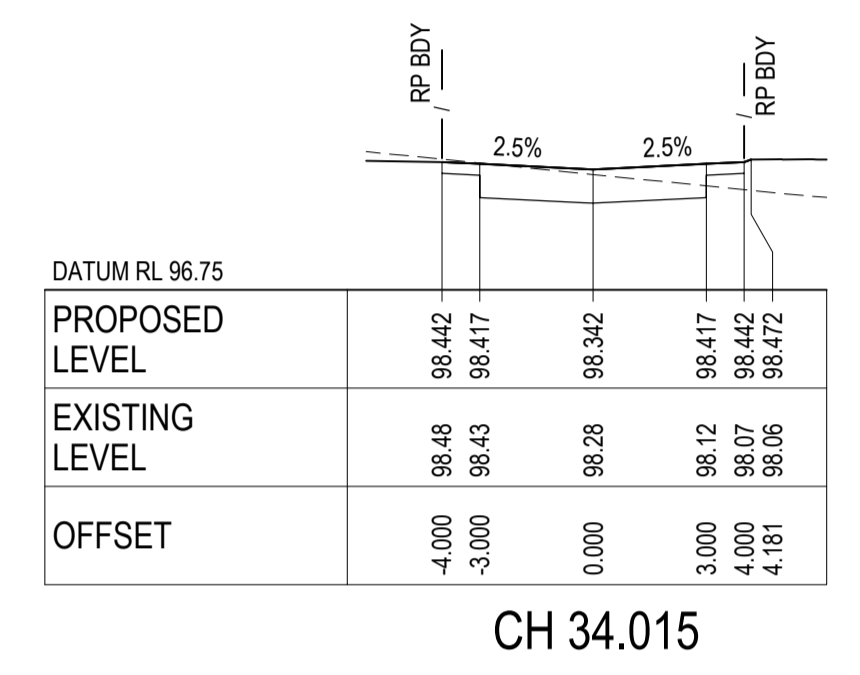
DATUM RL.91.000

DESIGN LEVELS ON ROAD CONTROL LINE
DESIGN EDGE OF PAVEMENT (LHS)
DESIGN EDGE OF PAVEMENT (RHS)
EXISTING SURFACE ON ROAD CENTRELINE
CUT / FILL DEPTH
PEGGED CHAINAGE



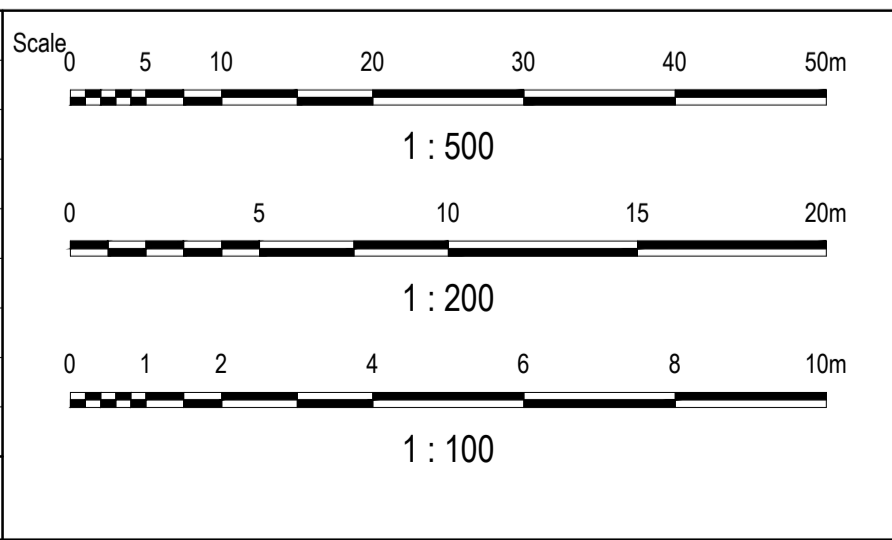
AS CONSTRUCTED RECORDS

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.



WAANYARRA LANE (MC13) - 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	13.10.20
04	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	11.08.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	28.07.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19



Planner

RD RobertsDay
planning.design.place

Client

RESIMAX
GROUP

Filename C-08b-250-10029435-RoadLS-XS MC13.dwg

Status

AS CONSTRUCTED

Verifier

Z.STROGUSZ

Scales

AS SHOWN

Original Issue Signatures

Drawn W.BUMAGAT

Designed J.ROCK

Height Datum AHD

Project Manager S.EISEL

Grid MGA

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Project

EYNESBURY TOWNSHIP
STAGE 8B

Title

WAANYARRA LANE (MC13)
ROAD LONGITUDINAL AND
CROSS SECTION

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-08B-250

Project No. 10029435

Issue B

Scale

0 5 10 20 30 40 50m

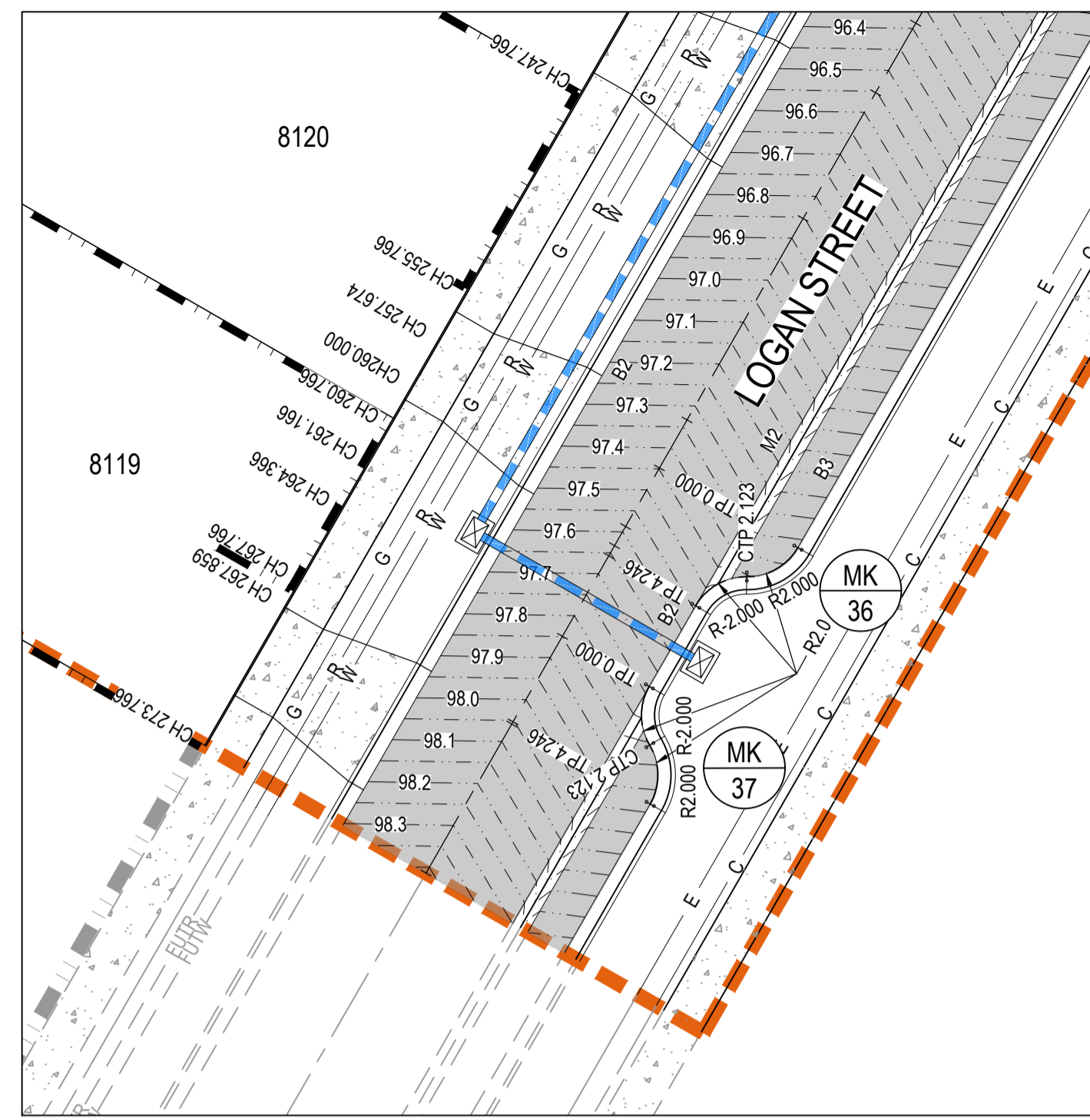
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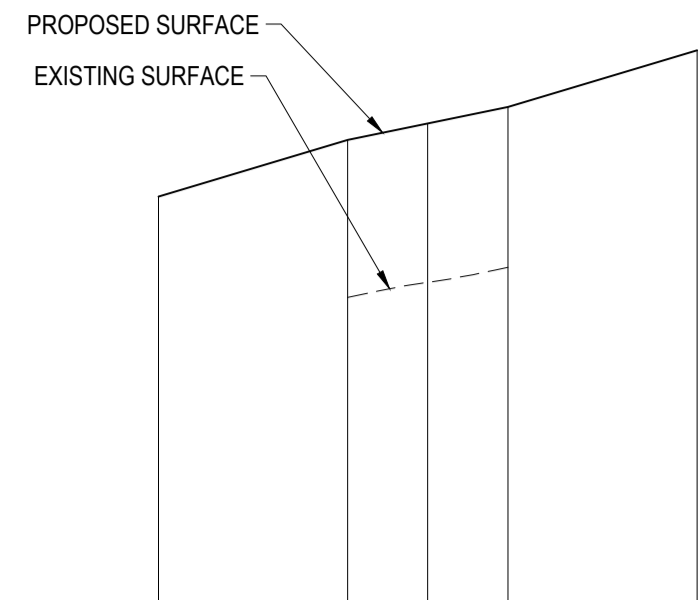
1:200

0 1 2 4 6 8 10m

1:100



LOGAN STREET DETAIL CH 261.166
SCALE 1:200



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

DATUM RL.93.000

DESIGN LEVELS ON KERB LIP LINE	97.069	97.369	97.456	97.542	97.842
EXISTING SURFACE ON KERB LIP LINE		96.535	96.615	96.695	
PEGGED CHAINAGE	-5.000	0.000	2.123	4.246	9.246

MK36 - LONGITUDINAL SECTION
SCALE: HORIZONTAL - 1:200
VERTICAL - 1:40

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

DATUM RL.94.000

DESIGN LEVELS ON KERB LIP LINE	97.434	97.734	97.857	97.980	98.280
EXISTING SURFACE ON KERB LIP LINE		96.830	96.898	96.955	
PEGGED CHAINAGE	-5.000	0.000	2.123	4.246	9.246

MK37 - LONGITUDINAL SECTION
SCALE: HORIZONTAL - 1:200
VERTICAL - 1:40

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

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

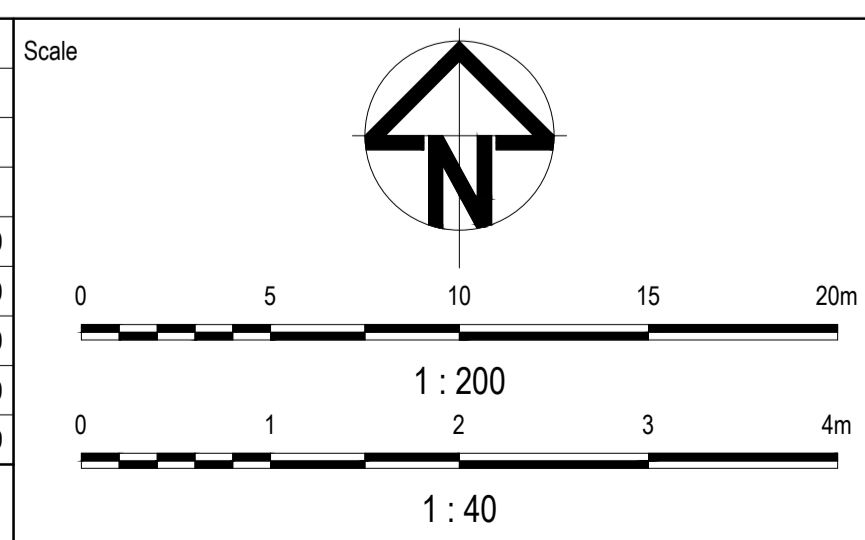
CONTROL LINE SETOUT TABLE - MK36								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RADIUS	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283787.184	5814232.422	97.369	209°57'20.00"			
IP 2	1.062	283786.598	5814231.405	97.412		R = 2.000	2.123	60°49'24.97"
CC	2.123	283785.424	5814231.421	97.456	270°46'44.97"			
IP 3	3.185	283784.250	5814231.437	97.499		R = -2.000	2.123	60°49'24.97"
IP 4	4.246	283783.664	5814230.419	97.542	209°57'20.00"			

CONTROL LINE SETOUT TABLE - MK37								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RADIUS	A.LENGTH	DEFL.ANGLE
IP 1	0.000	283782.066	5814227.647	97.734	209°57'20.00"			
IP 2	1.062	283781.480	5814226.630	97.796		R = -2.000	2.123	60°49'24.97"
CC	2.123	283782.082	5814225.622	97.857	149°07'55.02"			
IP 3	3.185	283782.685	5814224.614	97.919		R = 2.000	2.123	60°49'24.97"
IP 4	4.246	283782.099	5814223.597	97.980	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
B	AS CONSTRUCTED	WB	ZS	SE	07.10.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	13.10.20
04	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	11.08.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	28.07.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19



Planner

Client

Filename C-08b-260-10029435-intersectionSheet1.dwg

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

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Project

EYNESBURY TOWNSHIP
STAGE 8B

Title

INTERSECTION DETAILS

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-08B-260

Project No.

10029435

Issue

B

Scale

1:200
1:40

Original Size

A1

Height Datum

AHD

Grid

MGA

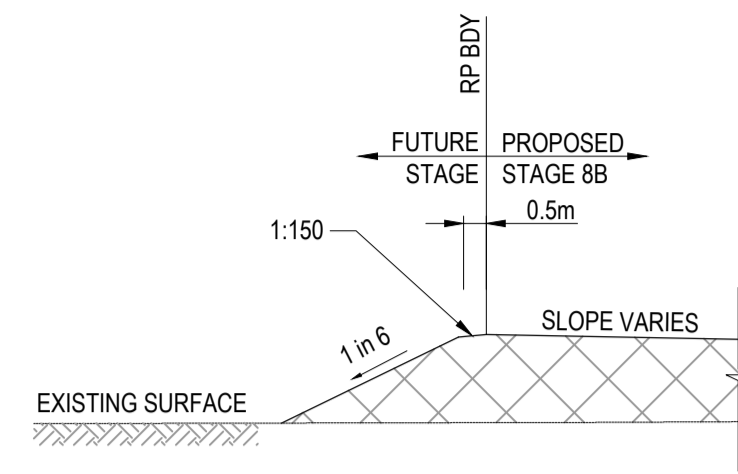
Original Issue Signatures

Drawn
W.BUMAGAT

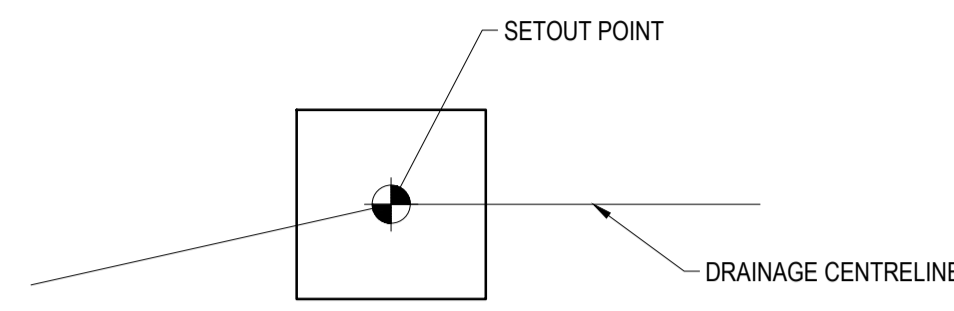
Designed
J.ROCK

Project Manager
S.EISEL

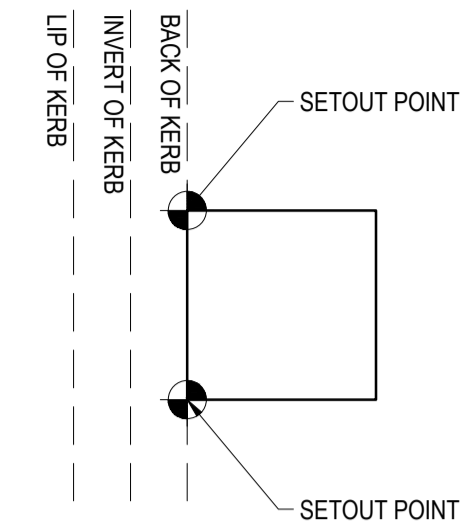
© Copyright reserved



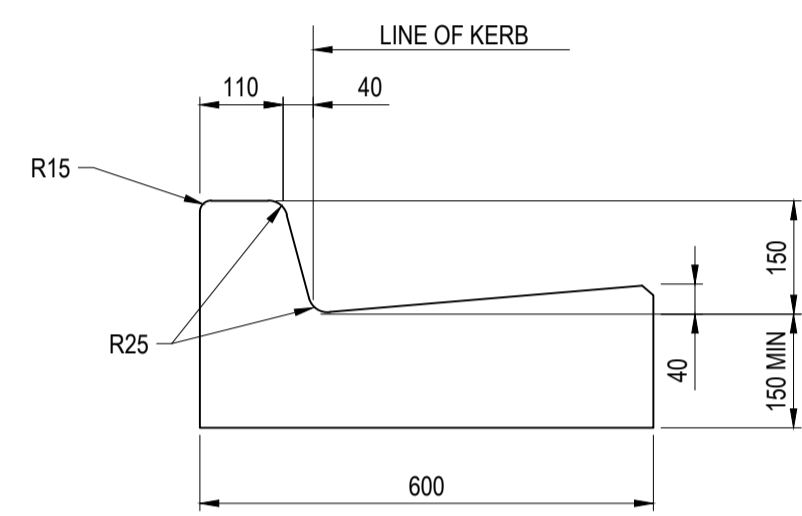
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NOT TO SCALE



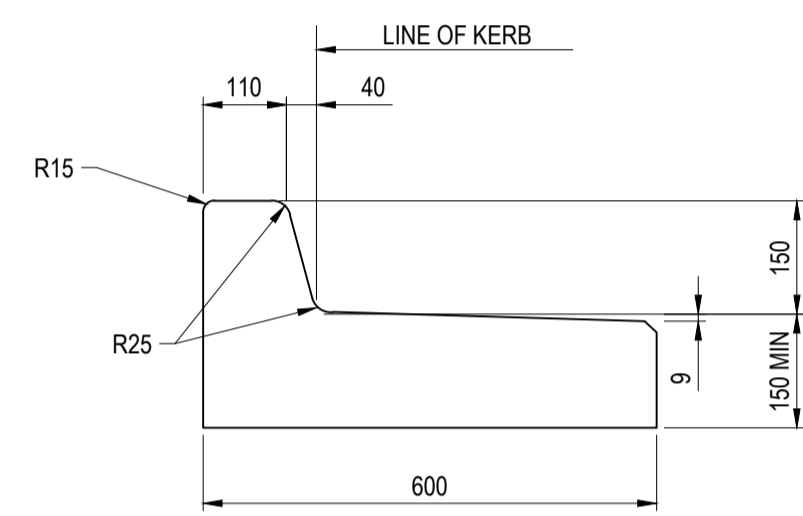
PIT SETOUT POINT DETAIL
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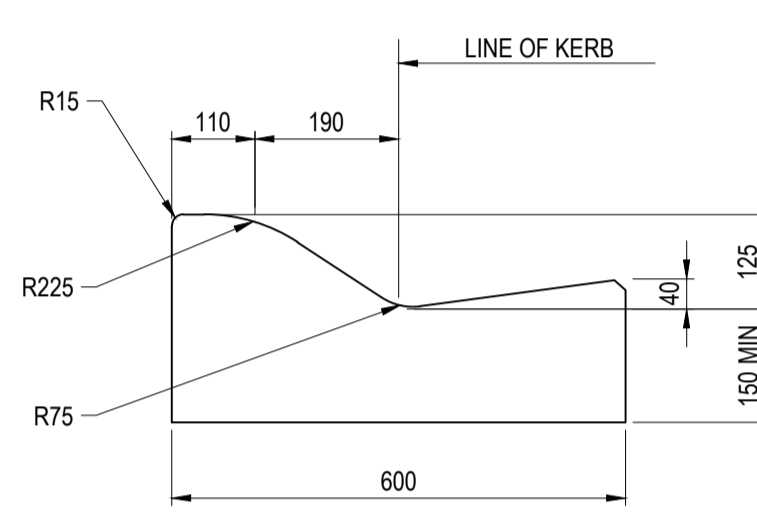
PIT SETOUT POINT DETAIL WITHIN FUTURE STAGE
NOT TO SCALE



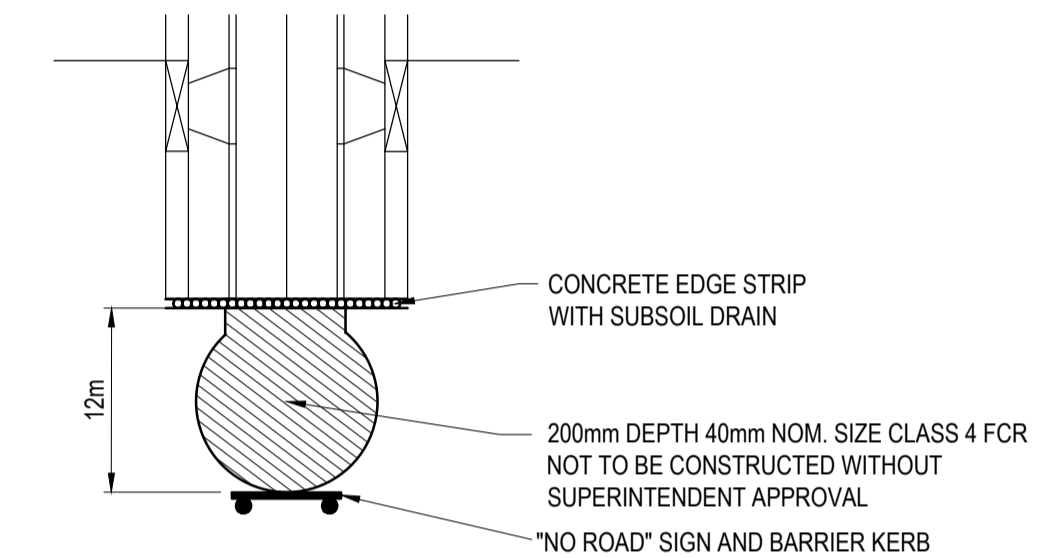
B2 (600mm) KERB DETAIL
1:10



B3 (600mm) KERB DETAIL
1:10



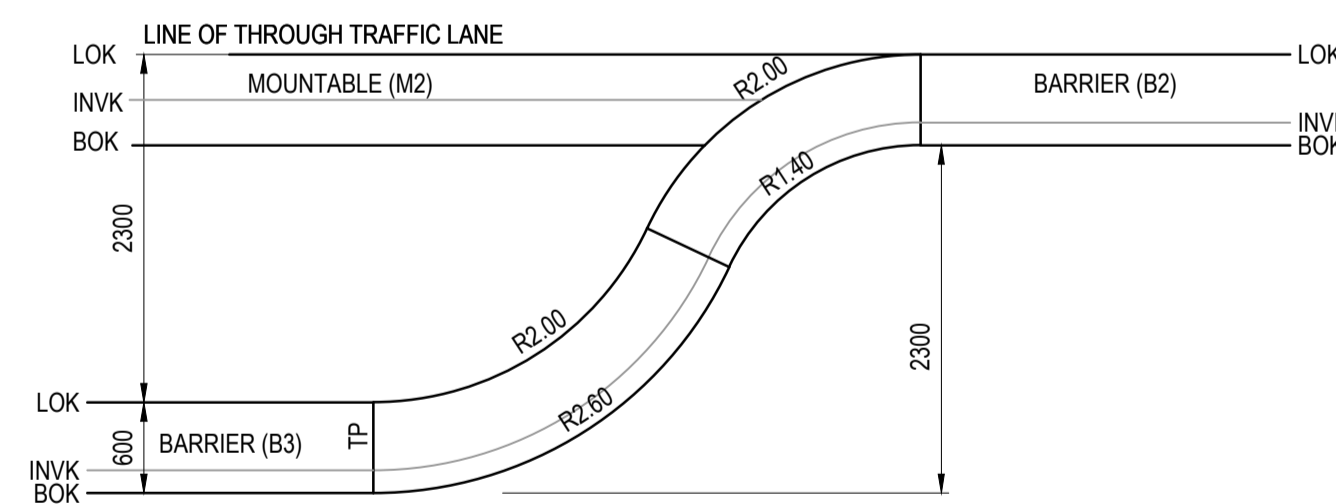
SM2 KERB DETAIL
1:10



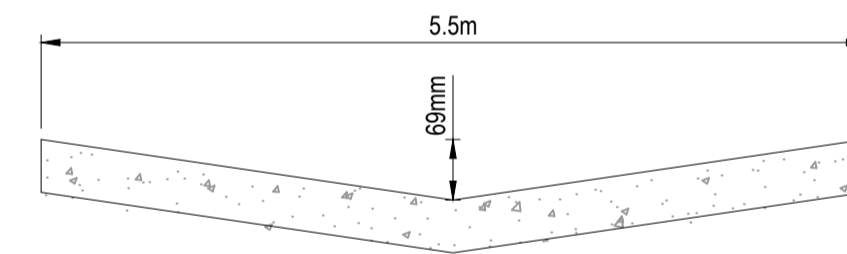
TYPICAL TEMPORARY TURN AREA DETAIL
NOT TO SCALE

AS CONSTRUCTED RECORDS

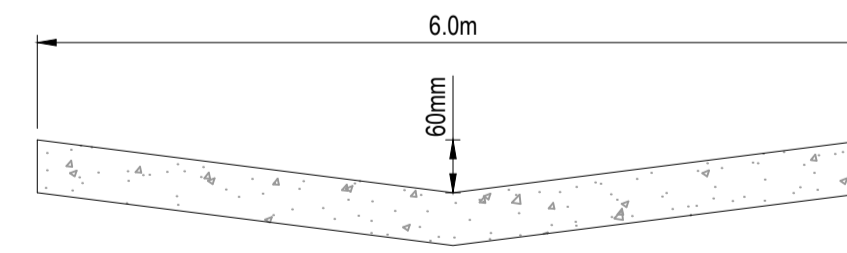
THE OBJECTIVE OF THESE 'AS-CONSTRUCTED DRAWINGS' IS TO REFLECT ANY SIGNIFICANT CHANGES TO THE APPROVED CONSTRUCTION DRAWINGS AND PROVIDE COUNCIL WITH A RECORD OF DESIGN INTENT. ANY LEVELS AND COORDINATES SHOWN ON THESE PLANS ARE SUBJECT TO SURVEY AND WILL DIFFER. ARCADIS ACCEPTS NO RESPONSIBILITY FOR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



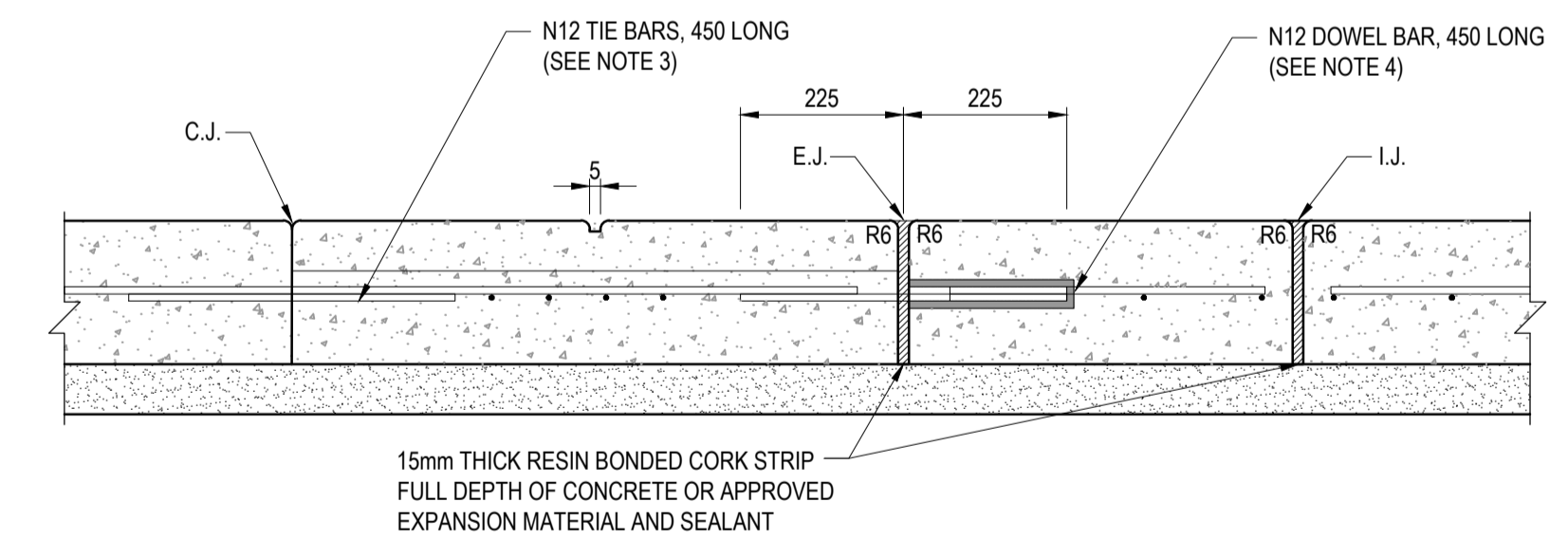
TYPICAL PARALLEL PARKING BAY DETAIL
FOR BARRIER (B2 & B3) KERB AND CHANNEL
NOT TO SCALE



TYPICAL SECTION - WAANYARRA LANE (MC12)
NOT TO SCALE



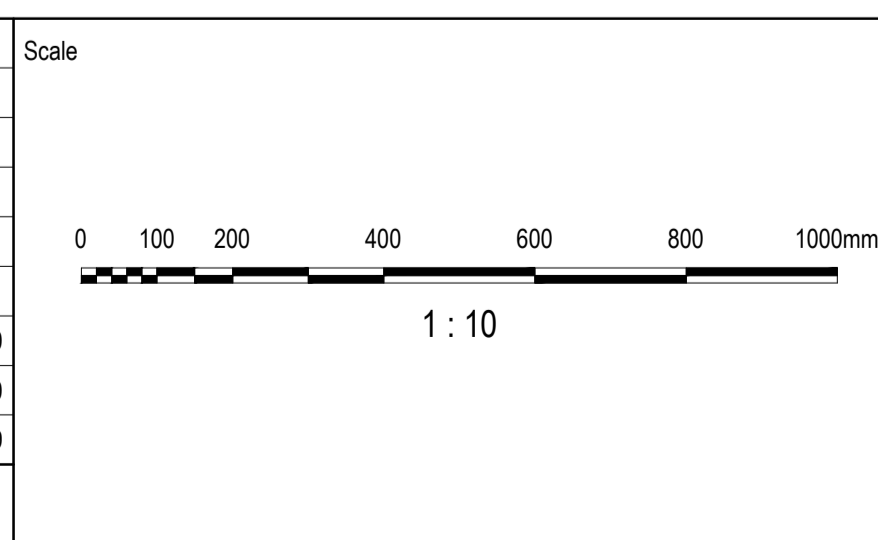
TYPICAL SECTION - WAANYARRA LANE (MC13)
NOT TO SCALE



CONSTRUCTION JOINT (C.J.) (NOTE 3)
CONTROL JOINT / WEAKENED PLANE JOINT (W.J.) (NOTE 6)
EXPANSION JOINT (E.J.) (NOTE 4)
ISOLATION JOINT (I.J.)

CONCRETE JOINT DETAILS
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	13.10.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19



Planner

Filename C-08b-280-10029435-TypicalDetailsSheet1.dwg

Client

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

Project	EYNESBURY TOWNSHIP STAGE 8B	
Title	TYPICAL DETAILS SHEET 1 OF 2	
Drawing No.	Project No.	Issue
C-08B-280	10029435	B

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

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 (NORTH-SOUTH)		
LAYER	THICKNESS (mm)	MATERIAL
WEARING COURSE	30	SIZE 10mm TYPE N 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	140	SIZE 20mm CLASS 3 CRUSHED ROCK COMPACTED TO NOT LESS THAN 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	630	
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 WAANYARRA LANE (MC12 & MC13)		
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 ⁻⁹ cm/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

NOTES:

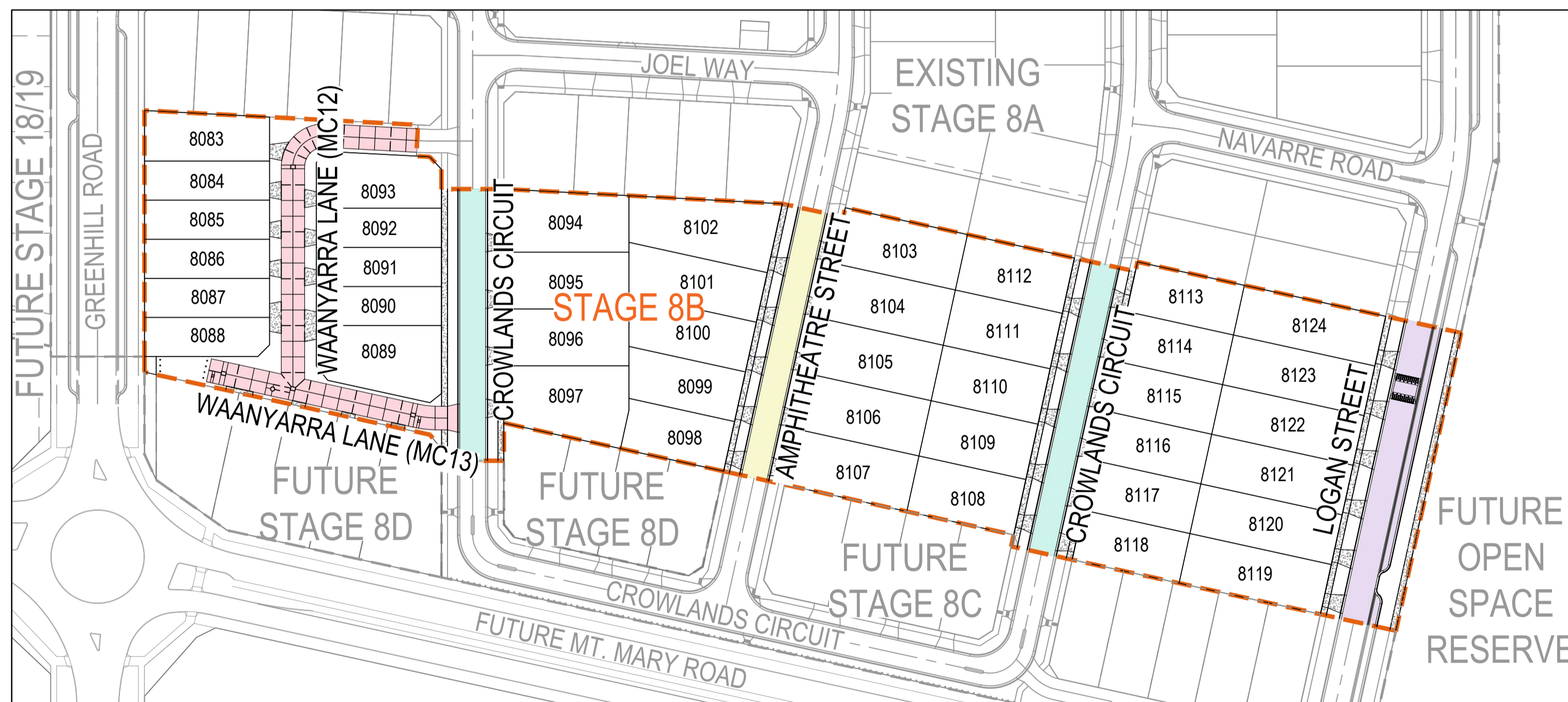
- REFER TO SHEET C-08B-280 FOR CONCRETE JOINTING COMPOSITION DETAILS.
- ALL PAVEMENT DESIGNS HAVE BEEN PROVIDED BY TONKIN AND TAYLOR. ARCADIS ARE NOT RESPONSIBLE FOR THE DESIGN OF THE PAVEMENTS WITHIN THIS STAGE OF WORKS. THE PAVEMENT COMPOSITIONS HAVE BEEN EXTRACTED FROM THE PAVEMENT REPORT FOR THIS STAGE OF WORKS. THE CONTRACTOR SHOULD REVIEW THIS DOCUMENT IN CONJUNCTION WITH THE GEOTECHNICAL AND PAVEMENT REPORTS PROVIDED BY TONKIN AND TAYLOR.

LEGEND	
	STAGE BOUNDARY
	PROPOSED SURFACE CONTOURS
	EXISTING SURFACE CONTOURS
	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
	PROPOSED SHARED PATH
	CONSTRUCTION JOINT (CJ)
	ISOLATION JOINT (IJ)
	WEAKENED PLANE JOINT (WJ)
	EXPANSION JOINT (EJ)

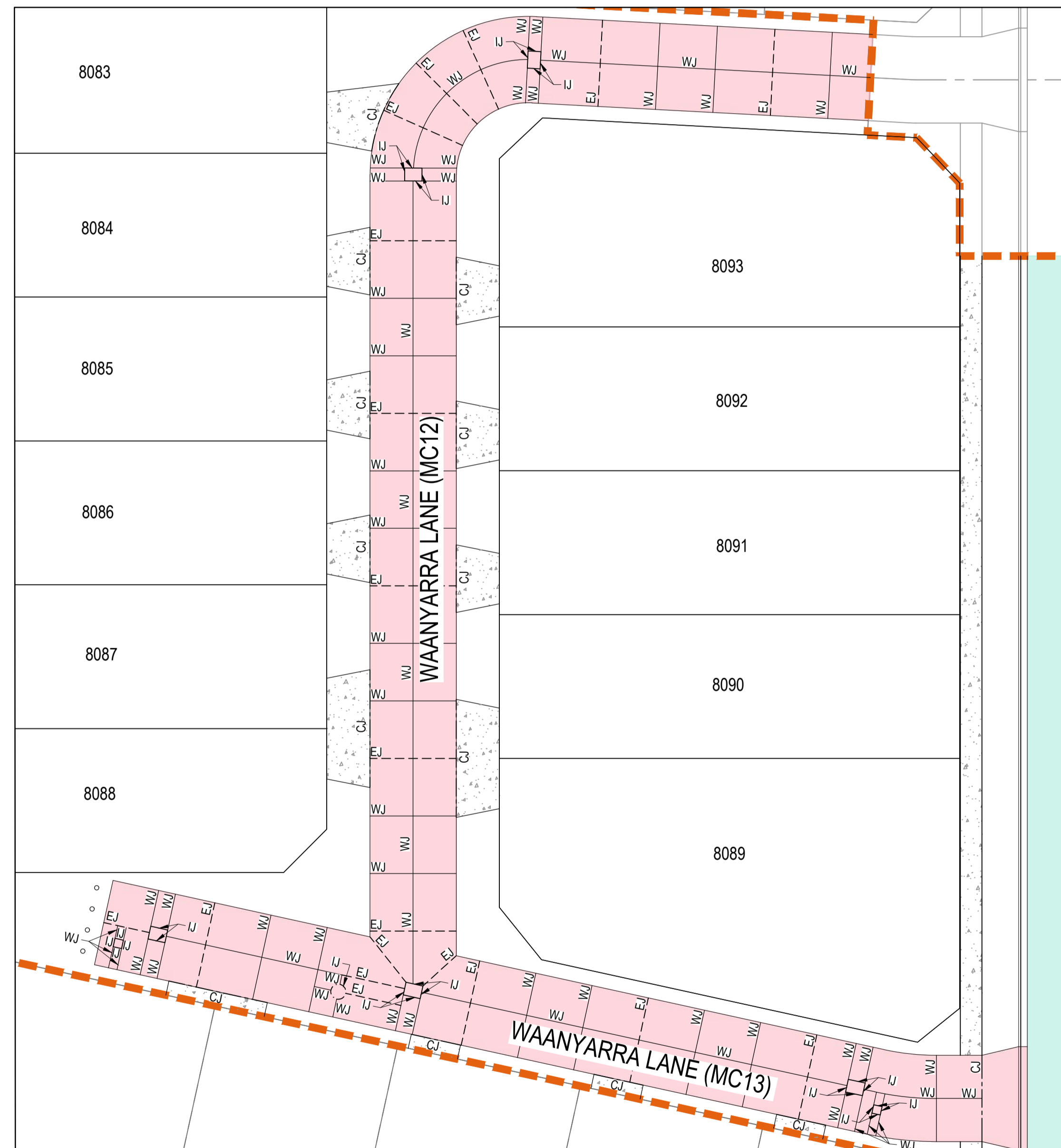
PAVEMENT COMPOSITION TYPE 4 LOGAN STREET		
LAYER	THICKNESS (mm)	MATERIAL
WEARING COURSE	40	SIZE 10mm TYPE N ASPHALT (CLASS 320 BINDER)
BASE COURSE	40	SIZE 10mm TYPE HP ASPHALT (CLASS A10E BINDER)
INTERLAYER	-	SIZE 10mm SAMI WITH S18RF BINDER
BONDING LAYER	-	BITUMINOUS PRIME
BASE	110	SIZE 20mm CLASS 2 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 (CLAY) TOP 200mm COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1

AS CONSTRUCTED RECORDS

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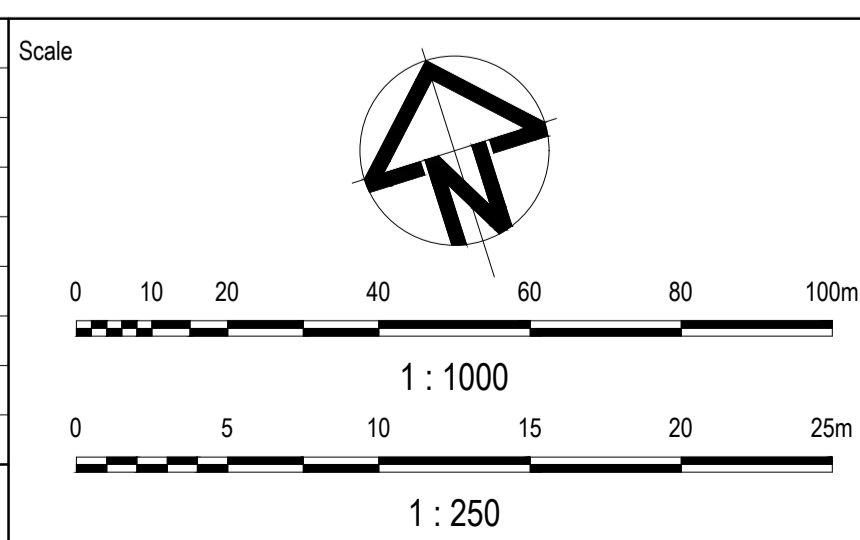


PLAN
SCALE 1 : 1000



PLAN - WAANYARRA LANE (MC12 & MC13)
SCALE 1 : 250

Issue	Description	By	Ckd	PM	Date
B	AS CONSTRUCTED	WB	ZS	SE	07.10.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	13.10.20
04	UPDATES TO PAVEMENT DESIGN	WB	ZS	SE	11.08.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	28.07.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19



Planner

Client

Filename C-08b-281-10029435-TypicalDetailsSheet2.dwg

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

Project

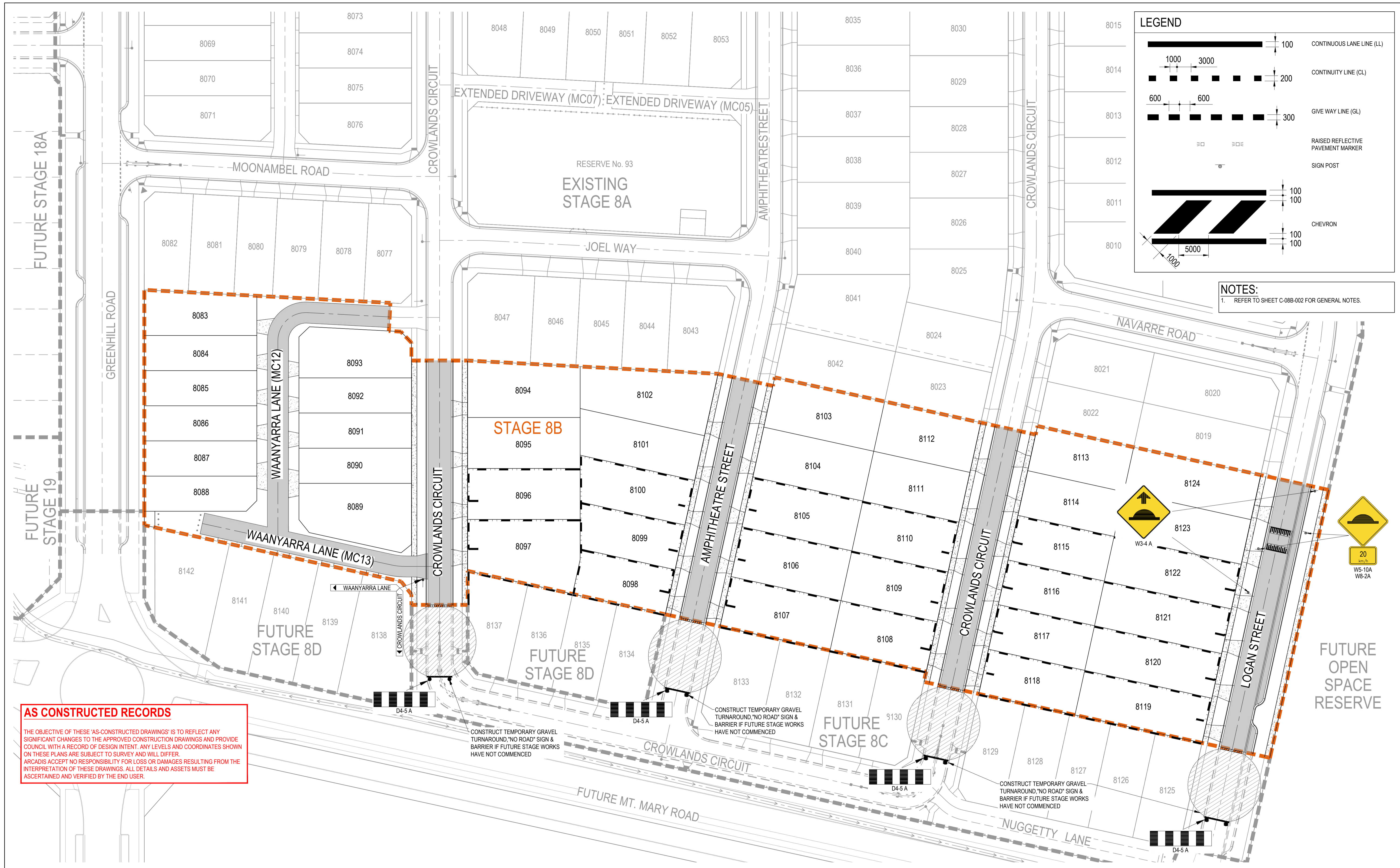
EYNESBURY TOWNSHIP
STAGE 8B

Title

TYPICAL DETAILS
SHEET 2 OF 2

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-08B-281
Project No. 10029435
Issue B



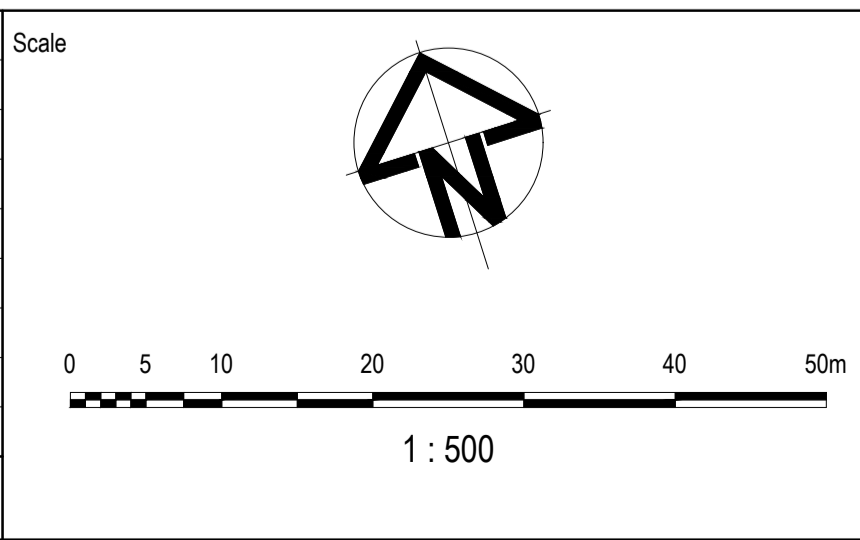
LEGEND

- CONTINUOUS LANE LINE (LL)
- CONTINUITY LINE (CL)
- GIVE WAY LINE (GL)
- RAISED REFLECTIVE PAVEMENT MARKER
- SIGN POST
- CHEVRON

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

AS CONSTRUCTED RECORDS
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Issue	Description	By	Ckd	PM	Date
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04	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	11.08.20
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02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19



Planner

Client

Status

AS CONSTRUCTED

Verifier

Z.STROGUSZ

Scales

1:500

Original Issue Signatures

Drawn W.BUMAGAT

Designed J.ROCK

Project Manager S.EISEL

Original Size

A1

Height Datum

AHD

Grid

MGA

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Project

EYNESBURY TOWNSHIP
STAGE 8B

Title

LINEMARKING AND
SIGNAGE PLAN

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-08B-290

Project No. 10029435

Issue B

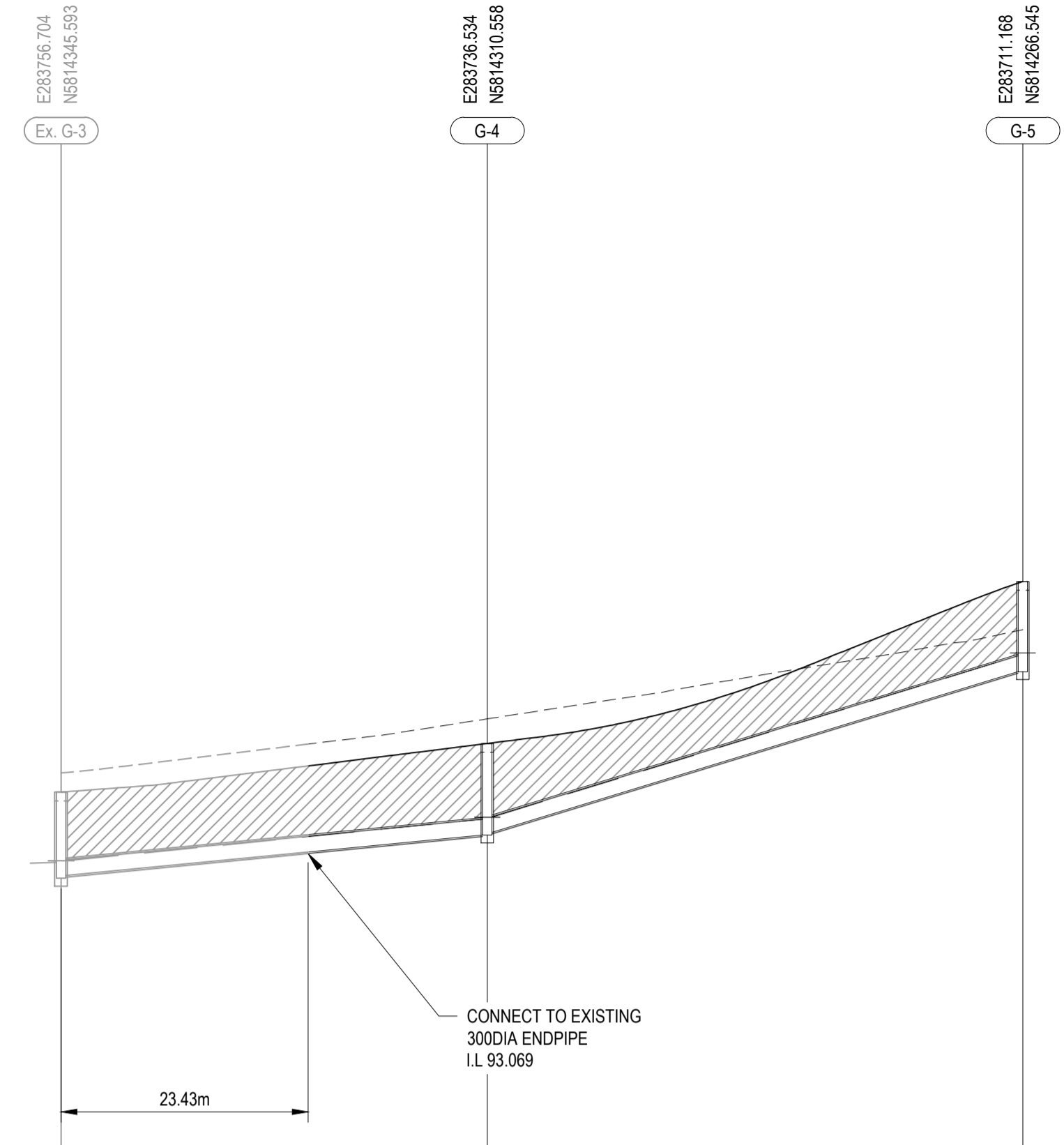
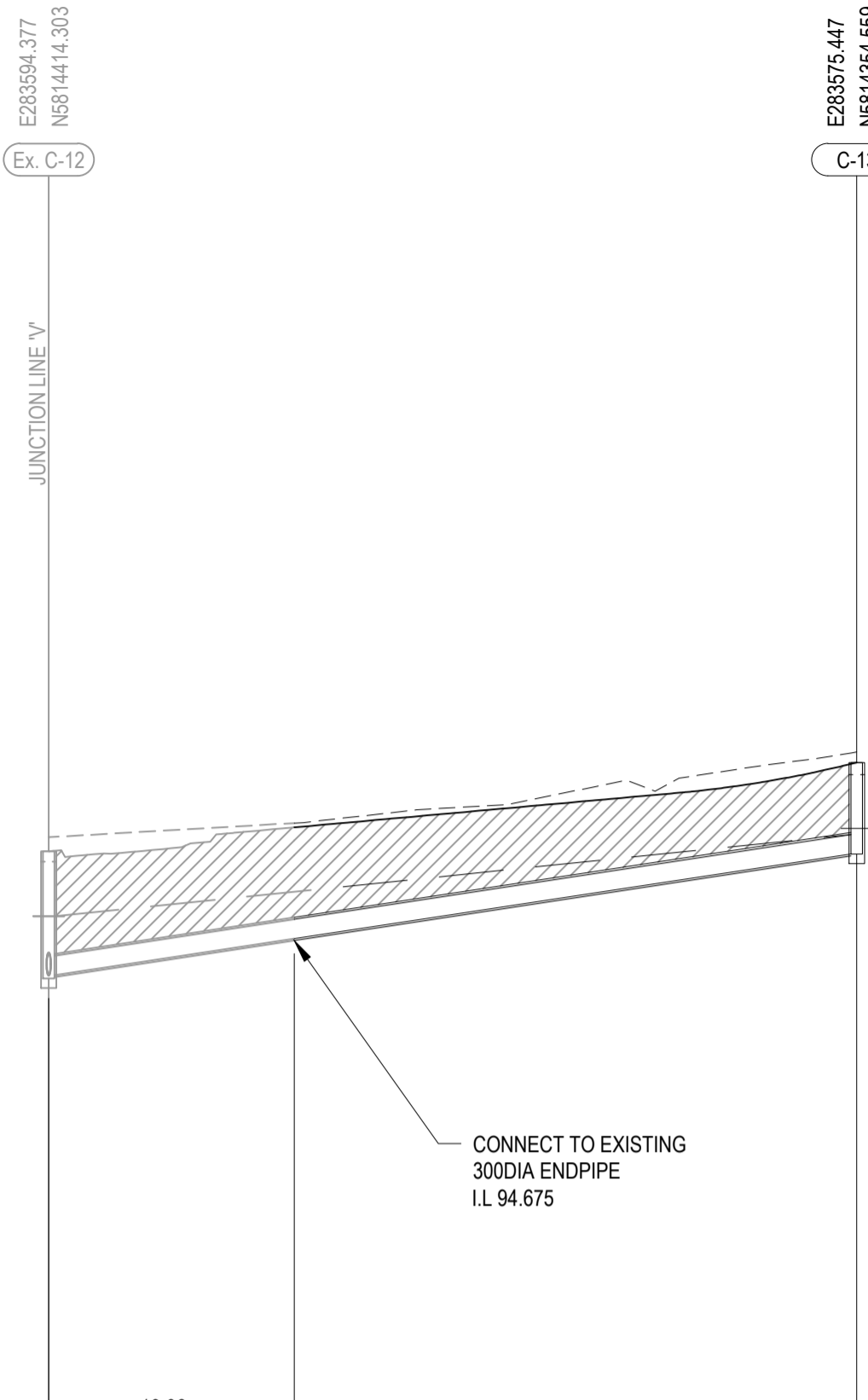
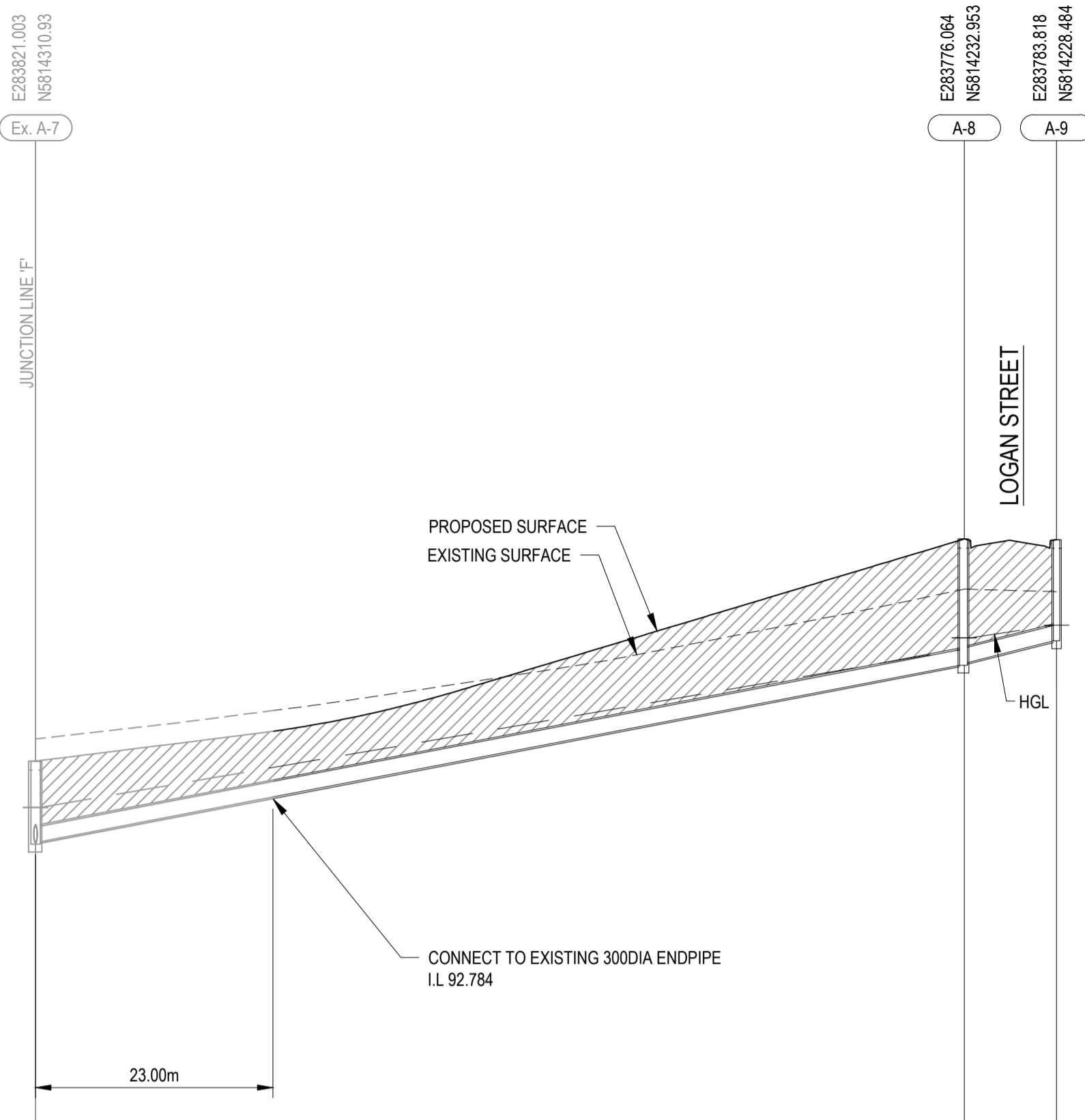
- NOTES:**
- PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 97% OF MAXIMUM FOUND IN THE STANDARD COMPACTION TEST FOR THE FOLLOWING:
 - BENEATH THE ROAD PAVEMENT OR DRIVEWAY CROSSOVER TO THE UNDERSIDE OF THE PAVEMENT 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
 - ALL DRAINAGE PIPES TO BE RUBBER RING BELLED SOCKET JOINT TYPE (RRJ).
 - ALL DRAINAGE PIPES SHALL BE CLASS 2 RCP, UNLESS OTHERWISE NOTED.
 - WHERE PITS DROP LESS THAN 50mm THE PIT FLOOR MUST BE SHAPED TO MATCH THE LOWER HALF OF THE PIPE.
 - REFER TO SHEET C-08B-002 FOR GENERAL NOTES.

LEGEND

CRUSHED ROCK BACKFILL

AS CONSTRUCTED RECORDS

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FLOW (m³/s)	0.068	0.009
FLOW CAPACITY (m³/s)	0.217	0.242
PIPE VELOCITY (m/s)	3.075	3.421
PIPE SIZE & CLASS	Ø300 RCP Class 2	Ø300 RCP Class 2
GRADE (%)	3.8%	4.7%
Datum R.L.	73.00	
DEPTH TO INVERT	1.951	1.960
H.G.L. LEVEL 5 YEAR ARI	92.455	95.801
INVERT LEVEL	91.310	95.801
PROPOSED LEVEL	95.472	97.761
EXISTING LEVEL	95.902	96.756
CHAINAGE	173.876	277.826

FLOW (m³/s)	0.037
FLOW CAPACITY (m³/s)	0.193
PIPE VELOCITY (m/s)	2.731
PIPE SIZE & CLASS	Ø300 RCP Class 2
GRADE (%)	3.0%
Datum R.L.	74.00
DEPTH TO INVERT	1.972
H.G.L. LEVEL 5 YEAR ARI	94.929
INVERT LEVEL	94.103
PROPOSED LEVEL	96.025
EXISTING LEVEL	96.242
CHAINAGE	373.552

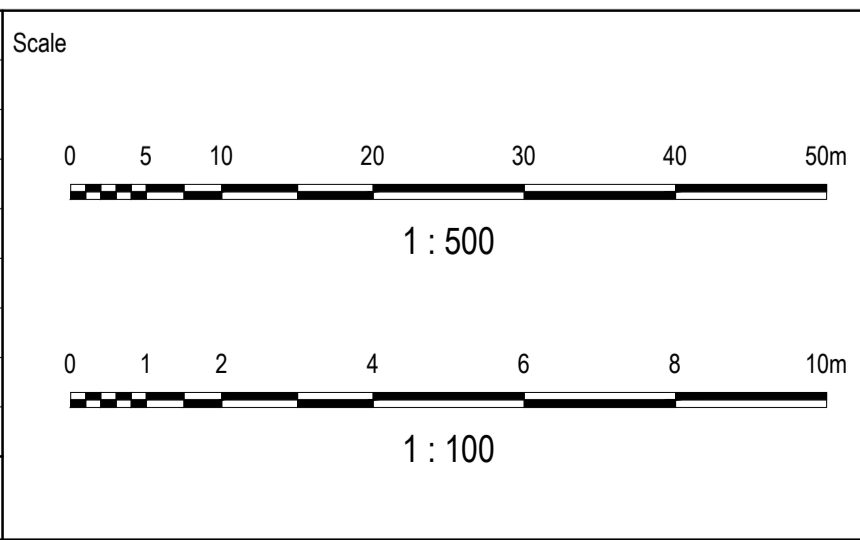
FLOW (m³/s)	0.044	0.027
FLOW CAPACITY (m³/s)	0.153	0.273
PIPE VELOCITY (m/s)	2.170	3.868
PIPE SIZE & CLASS	Ø300 RCP Class 2	Ø300 RCP Class 2
GRADE (%)	1.9%	6.0%
Datum R.L.	74.00	
DEPTH TO INVERT	1.584	1.686
H.G.L. LEVEL 5 YEAR ARI	92.874	93.692
INVERT LEVEL	92.824	93.442
PROPOSED LEVEL	95.128	96.201
EXISTING LEVEL	95.595	97.287
CHAINAGE	141.042	232.288

LINE A

LINE C

LINE G

Issue	Description	By	Ckd	PM	Date
B	AS CONSTRUCTED	WB	ZS	SE	07.10.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	13.10.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	28.07.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19



Planner

Client

Filename C-08b-300-10029435-SwdLSSheet1.dwg

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

Project	EYNESBURY TOWNSHIP STAGE 8B
Title	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 1 OF 4

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

NOTES:

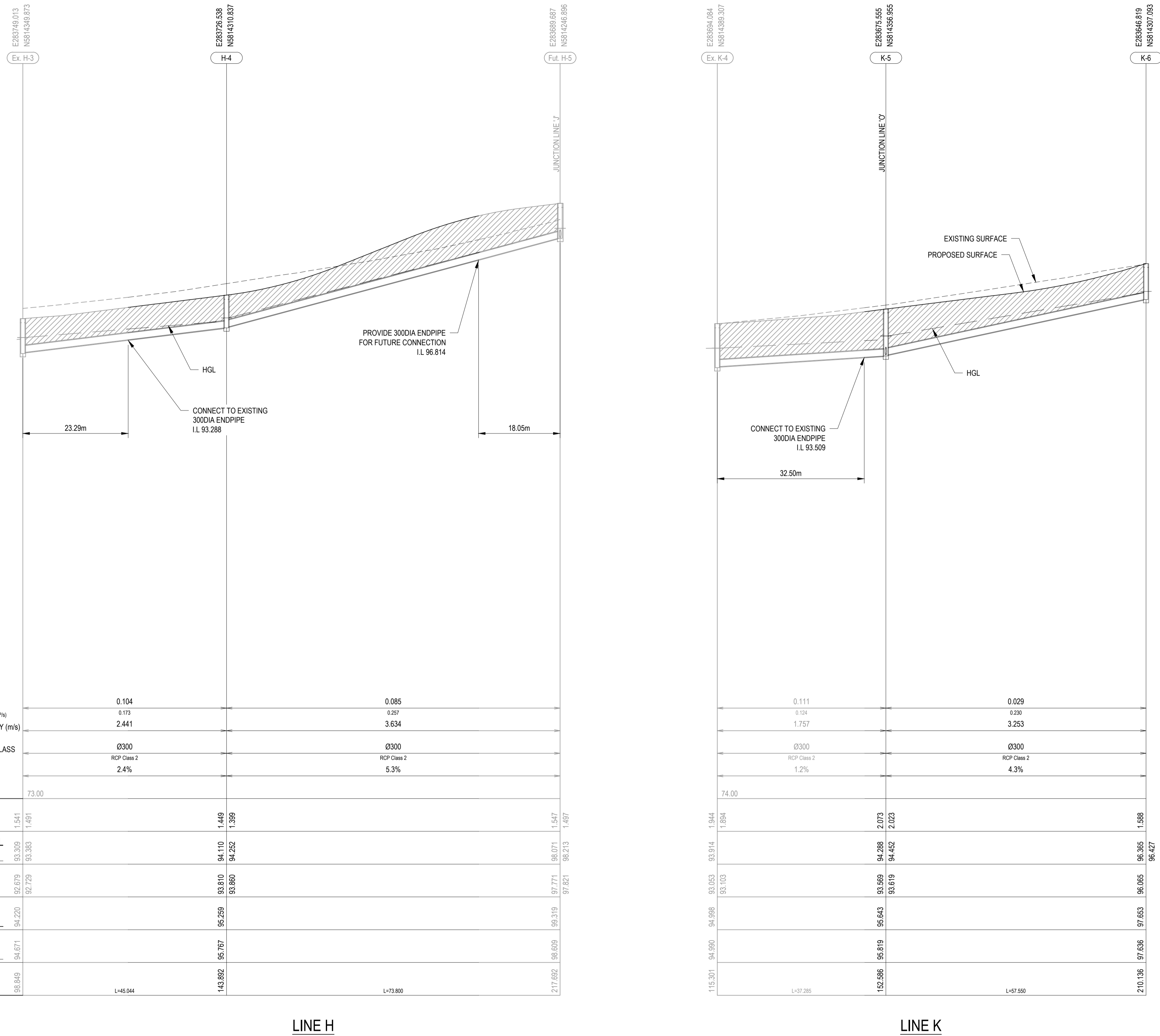
- PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 97% OF MAXIMUM FOUND IN THE STANDARD COMPACTION TEST FOR THE FOLLOWING:
 - BENEATH THE ROAD PAVEMENT OR DRIVEWAY CROSSOVER TO THE UNDERSIDE OF THE PAVEMENT OF CROSSOVER
 - 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
- ALL DRAINAGE PIPES TO BE RUBBER RING BELLED SOCKET JOINT TYPE (RRJ).
- ALL DRAINAGE PIPES SHALL BE CLASS 2 RCP, UNLESS OTHERWISE NOTED.
- WHERE PITS DROP LESS THAN 50mm THE PIT FLOOR MUST BE SHAPED TO MATCH THE LOWER HALF OF THE PIPE.
- REFER TO SHEET C-08B-002 FOR GENERAL NOTES.

LEGEND

 CRUSHED ROCK BACKFILL

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.



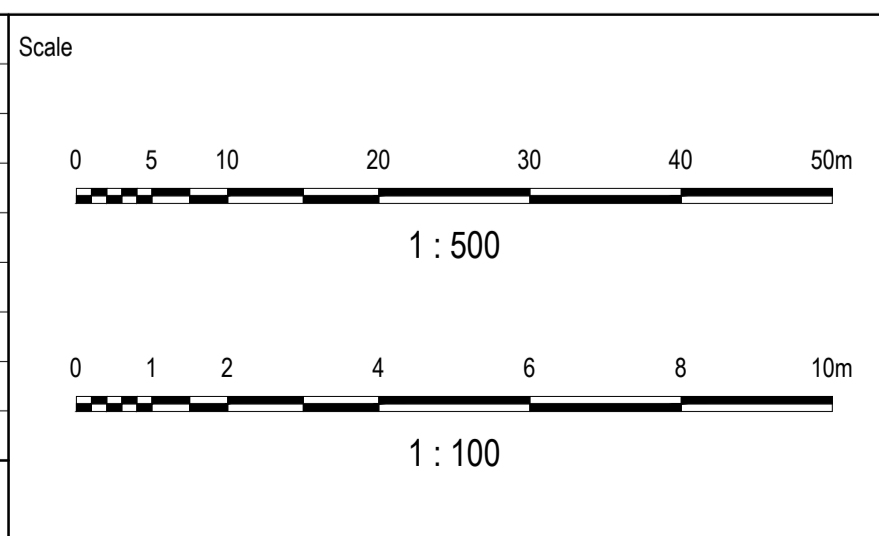
Parameter	Station 1	Station 2	Station 3	Station 4
FLOW (m³/s)	0.104		0.085	
FLOW CAPACITY (m³/s)	0.173		0.257	
PIPE VELOCITY (m/s)	2.441		3.634	
PIPE SIZE & CLASS	Ø300 RCP Class 2		Ø300 RCP Class 2	
GRADE (%)	2.4%		5.3%	
Datum R.L.	73.00			
DEPTH TO INVERT	1.541	1.449	1.399	1.497
H.G.L. LEVEL 5 YEAR ARI	93.309	94.110	94.252	98.071
INVERT LEVEL	92.679	93.810	93.860	97.771
PROPOSED LEVEL	94.220	95.259	95.319	97.621
EXISTING LEVEL	94.671	95.767	96.809	98.621
CHAINAGE	98.849	143.892	217.692	

Parameter	Station 1	Station 2	Station 3	Station 4
FLOW (m³/s)	0.111		0.029	
FLOW CAPACITY (m³/s)	0.124		0.230	
PIPE VELOCITY (m/s)	1.757		3.253	
PIPE SIZE & CLASS	Ø300 RCP Class 2		Ø300 RCP Class 2	
GRADE (%)	1.2%		4.3%	
Datum R.L.	74.00			
DEPTH TO INVERT	1.894	2.073	2.023	1.588
H.G.L. LEVEL 5 YEAR ARI	95.914	94.288	94.452	96.385
INVERT LEVEL	93.103	93.619	93.619	96.065
PROPOSED LEVEL	94.998	95.643	95.619	97.653
EXISTING LEVEL	94.990	95.619	96.653	97.656
CHAINAGE	115.301	152.596	210.136	


LINE H

LINE K

Issue	Description	By	Ckd	PM	Date
B	AS CONSTRUCTED	WB	ZS	SE	07.10.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	13.10.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	28.07.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19




Planner



RD RobertsDay
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Client



RESIMAX
GROUP

Filename C-08b-301-10029435-SwdLSSheet2.dwg

Status

AS CONSTRUCTED

Verifier

Z.STROGUSZ

Scales

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

Original Issue Signatures

Original Size

A1

Height Datum

AHD

Grid

MGA

Drawn

W.BUMAGAT

Designed

J.ROCK

Project Manager

S.EISEL

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Project

EYNESBURY TOWNSHIP
STAGE 8B

Title

STORMWATER DRAINAGE
LONGITUDINAL SECTIONS
SHEET 2 OF 4



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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-08B-301

Project No.

10029435

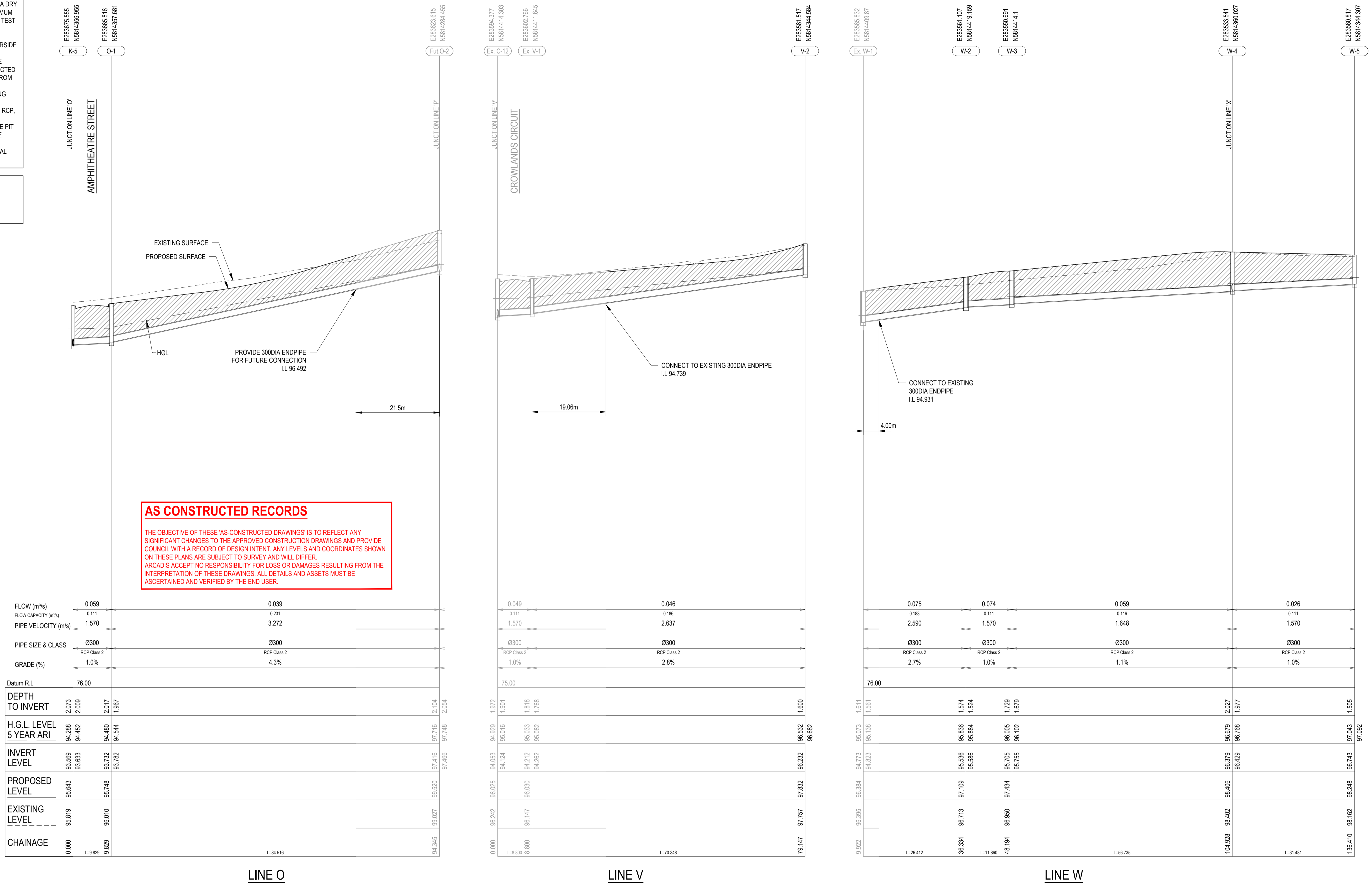
Issue

B

- NOTES:**
- PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 97% OF MAXIMUM FOUND IN THE STANDARD COMPACTION TEST FOR THE FOLLOWING:
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 - REFER TO SHEET C-08B-002 FOR GENERAL NOTES.

LEGEND

CRUSHED ROCK BACKFILL

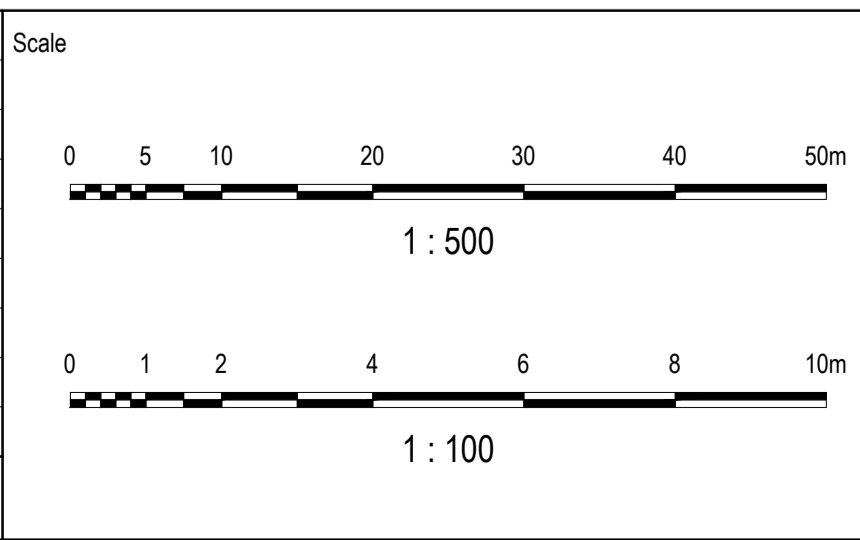


AS CONSTRUCTED RECORDS

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 ACCEPTS 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.

Parameter	LINE O (K-5 to O-1)	LINE V (Ex C-12 to Ex V-1)	LINE W (Ex W-1 to W-5)
Flow (m³/s)	0.059	0.049	0.075
Flow Capacity (m³/s)	0.111	0.111	0.183
Pipe Velocity (m/s)	1.570	1.570	2.590
Pipe Size & Class	Ø300 RCP Class 2	Ø300 RCP Class 2	Ø300 RCP Class 2
Grade (%)	1.0%	1.0%	2.7%
Datum R.L.	76.00	75.00	76.00
Depth to Invert	2.073 to 2.009	1.901 to 2.054	1.561 to 1.977
H.G.L. Level 5 Year ARI	94.288 to 94.452	95.016 to 95.082	95.138 to 95.197
Invert Level	93.589 to 93.782	94.124 to 94.282	94.623 to 94.755
Proposed Level	95.643 to 95.748	96.030 to 96.147	97.109 to 97.434
Existing Level	95.919 to 96.010	96.147 to 96.147	96.713 to 96.950
Chainage	0.000 to 9.829	0.000 to 8.800	0.000 to 48.194

Issue	Description	By	Ckd	PM	Date
B	AS CONSTRUCTED	WB	ZS	SE	07.10.21
A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	13.10.20
04	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	11.08.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	28.07.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19



Planner

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Filename C-08b-302-10029435-SwdLSSheet3.dwg

Client

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

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Project: EYNESBURY TOWNSHIP STAGE 8B


Title: STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 3 OF 4

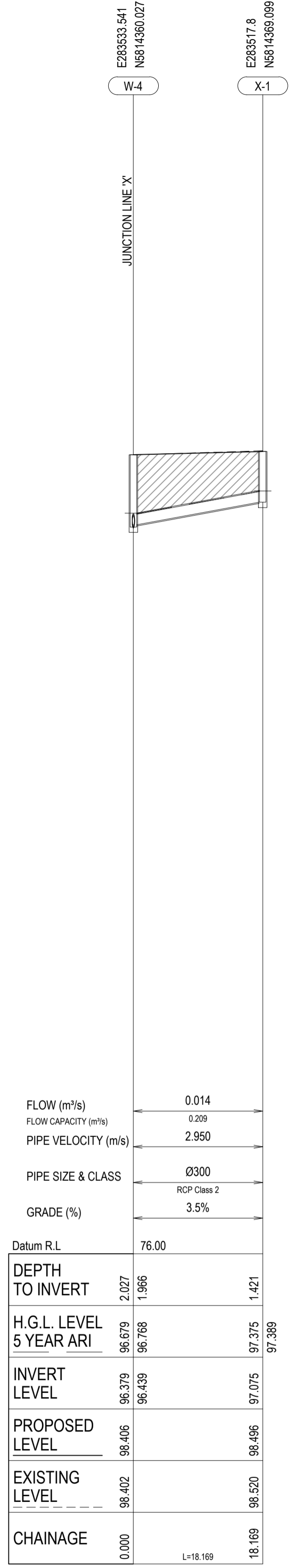
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Level 32, 140 William Street
Melbourne VIC 3000
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

Drawing No: C-08B-302 — Project No: 10029435 — Issue: B

- NOTES:**
- PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 97% OF MAXIMUM FOUND IN THE STANDARD COMPACTION TEST FOR THE FOLLOWING:
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 - REFER TO SHEET C-08B-002 FOR GENERAL NOTES.

LEGEND

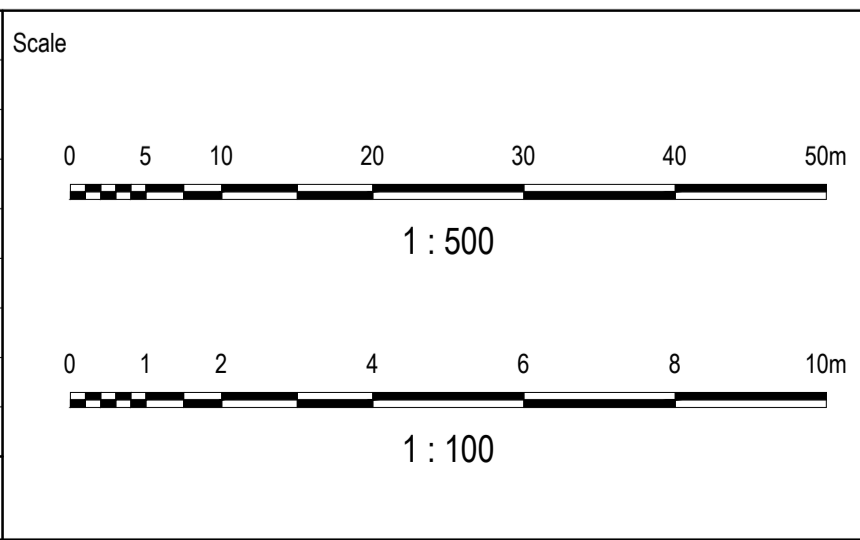
 CRUSHED ROCK BACKFILL




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	13.10.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	28.07.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19




Planner



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Client



RESIMAX
GROUP

Filename C-08b-303-10029435-SwdLSSheet4.dwg

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

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Project

EYNESBURY TOWNSHIP
STAGE 8B

Title

STORMWATER DRAINAGE
LONGITUDINAL SECTIONS
SHEET 4 OF 4



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Melbourne VIC 3000
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Drawing No. | Project No. | Issue

C-08B-303 | 10029435 | B

PIT SCHEDULE													
NAME	PIT			INTERNAL		INLET		OUTLET		PIT		STANDARD DRAWING	REMARKS
	TYPE	EASTING	NORTHING	WIDTH	LENGTH	DIAMETER	IL	DIAMETER	IL	SETOUT RL	DEPTH		
A-8	SIDE ENTRY PIT GRATED	283776.064	5814232.953	0.600	0.900	300	95.380	300	95.330	97.778	2.448	EDCM 601 & 605	
A-9	SIDE ENTRY PIT GRATED	283783.818	5814228.484	0.600	0.900			300	95.801	97.761	1.960	EDCM 601 & 605	
C-13	SIDE ENTRY PIT GRATED	283575.447	5814354.559	0.600	0.900			300	95.983	97.402	1.419	EDCM 601 & 605	
G-4	SIDE ENTRY PIT GRATED	283736.534	5814310.558	0.600	0.900	300	93.442	300	93.392	95.128	1.736	EDCM 601 & 605	
G-5	SIDE ENTRY PIT GRATED	283711.168	5814266.545	0.600	0.900			300	96.490	98.201	1.711	EDCM 601 & 605	
H-4	SIDE ENTRY PIT GRATED	283726.538	5814310.837	0.600	0.900	300	93.860	300	93.810	95.259	1.449	EDCM 601 & 605	
K-5	SIDE ENTRY PIT GRATED	283675.555	5814356.955	0.600	0.900	300	93.619	300	93.569	95.643	2.073	EDCM 601 & 605	
						300	93.633						
K-6	JUNCTION PIT	283646.819	5814307.093	0.600	0.900			300	96.065	97.653	1.588	EDCM 605	CLASS B DUTY FIBRE GLASS COVER AS PER EDCM 605
O-1	SIDE ENTRY PIT GRATED	283665.816	5814357.681	0.600	0.900	300	93.782	300	93.732	95.748	2.017	EDCM 601 & 605	
V-2	SIDE ENTRY PIT GRATED	283581.517	5814344.584	0.600	0.900			300	96.232	97.832	1.600	EDCM 601 & 605	
W-2	GRATED PIT	283561.107	5814419.159	0.900	0.900	300	95.586	300	95.536	97.109	1.574	EDCM 605	CLASS D HEAVY DUTY V-GRATE
W-3	GRATED PIT	283550.691	5814414.100	0.900	0.900	300	95.755	300	95.705	97.434	1.729	EDCM 605	CLASS D HEAVY DUTY V-GRATE
W-4	GRATED PIT	283533.541	5814360.027	0.600	0.900	300	96.429	300	96.379	98.406	2.027	EDCM 605	CLASS D HEAVY DUTY V-GRATE
						300	96.439						
W-5	GRATED PIT	283560.817	5814344.307	0.600	0.900			300	96.743	98.248	1.505	EDCM 605	CLASS D HEAVY DUTY V-GRATE
X-1	JUNCTION PIT	283517.800	5814369.099	0.600	0.900			300	97.075	98.496	1.421	EDCM 605	CLASS D HEAVY DUTY COVER


AS CONSTRUCTED RECORDS

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A	ISSUED FOR CONSTRUCTION	WB	ZS	SE	13.10.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	28.07.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19

Scale	
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Planner



Filename C-08b-320-10029435-SWDpitSchedule.dwg

Client



Status: AS CONSTRUCTED

Verifier: Z.STROGUSZ

Original Issue Signatures

Drawn: W.BUMAGAT

Designed: J.ROCK

Project Manager: S.EISEL

Original Size: A1


Height Datum: AHD

Grid: MGA

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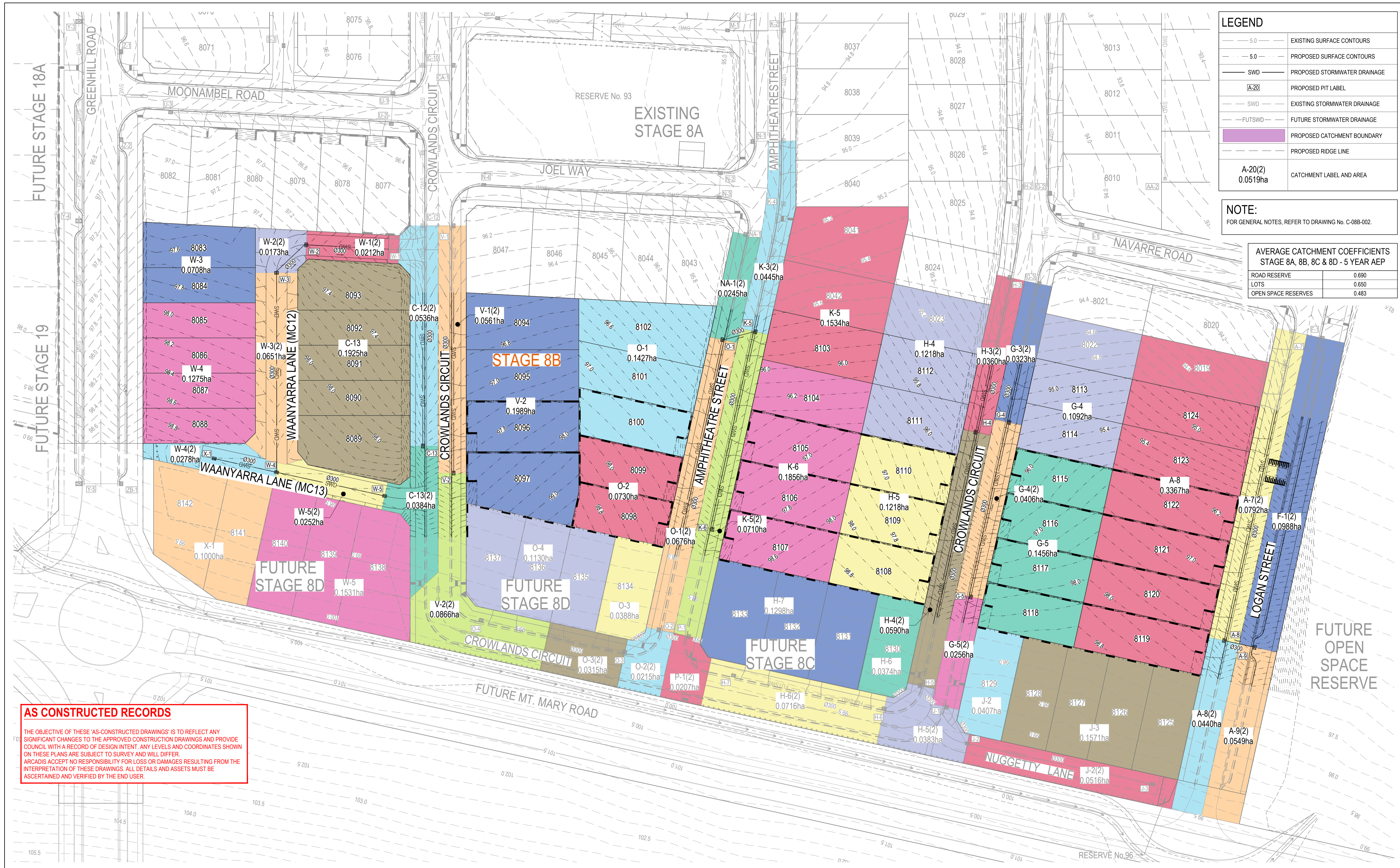
Project: EYNESBURY TOWNSHIP STAGE 8B

Title: STORMWATER DRAINAGE PIT SCHEDULE



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Melbourne VIC 3000
ABN 76 104 485 289
Tel No: +61 3 8623 4000
www.arcadis.com

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



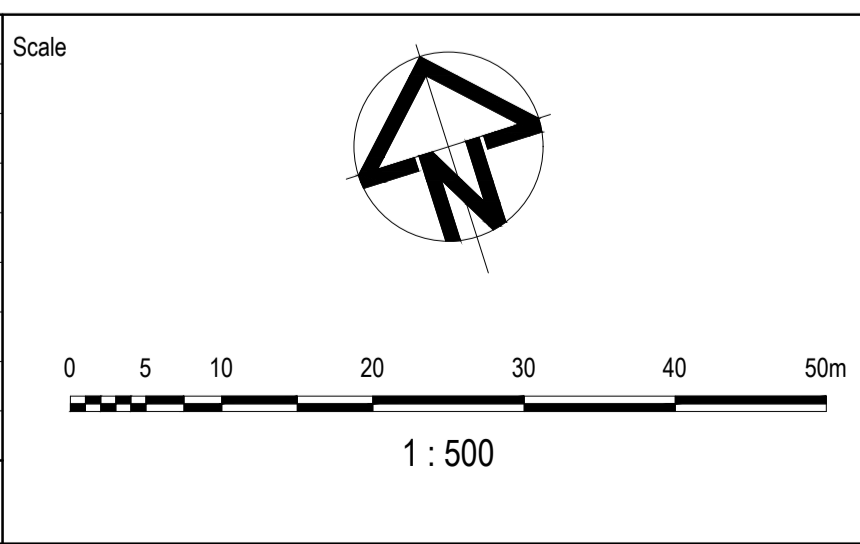
LEGEND	
5.0	EXISTING SURFACE CONTOURS
5.0	PROPOSED SURFACE CONTOURS
SWD	PROPOSED STORMWATER DRAINAGE
A-20	PROPOSED PIT LABEL
SWD	EXISTING STORMWATER DRAINAGE
FUTSWD	FUTURE STORMWATER DRAINAGE
(Purple outline)	PROPOSED CATCHMENT BOUNDARY
(Dashed line)	PROPOSED RIDGE LINE
A-20(2) 0.0519ha	CATCHMENT LABEL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

NOTE:
FOR GENERAL NOTES, REFER TO DRAWING No. C-08B-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
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02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19



Planner

Client

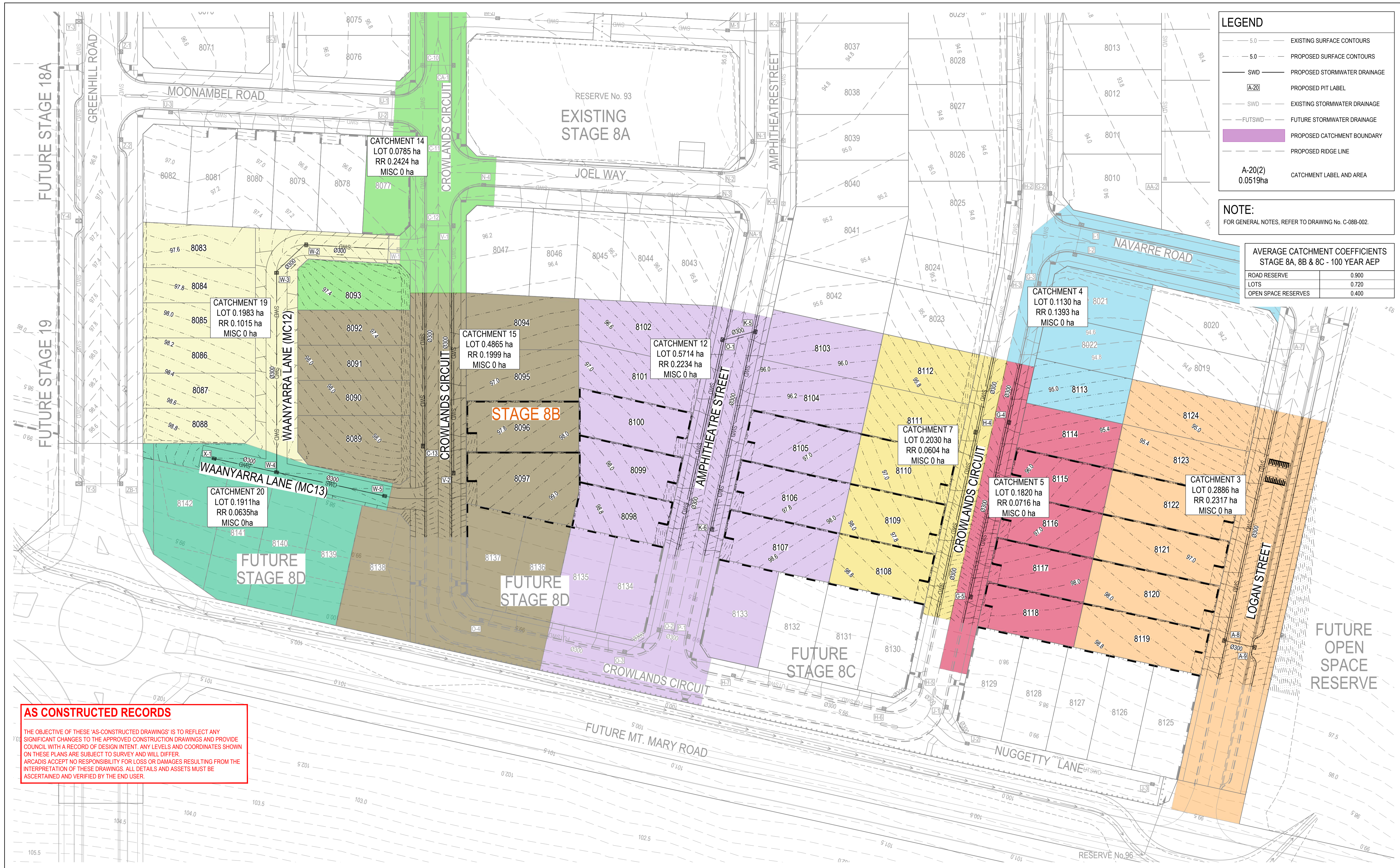
Filename C-08B-350-10029435-Q5CatchmentPlan.dwg

Status	AS CONSTRUCTED
Verifier	Z.STROGUSZ
Scales	1:500
Original Size	A1
Height Datum	AHD
Grid	MGA

Project	EYNESBURY TOWNSHIP STAGE 8B
Title	STORMWATER DRAINAGE Q5 CATCHMENT PLAN

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-08B-350
Project No.	10029435
Issue	B

Last Saved: WBM1953 Date Plotted: 5 Oct 2021 - 01:37PM File Name: C:\125G\data\AUS\Y01APP04\10029435-Eynesbury_46\I-Dig\Eng\DA-CAD\DAC-Drawings\10029435-08\10029435-08B\c-08B-350-10029435-Q5CatchmentPlan.dwg		
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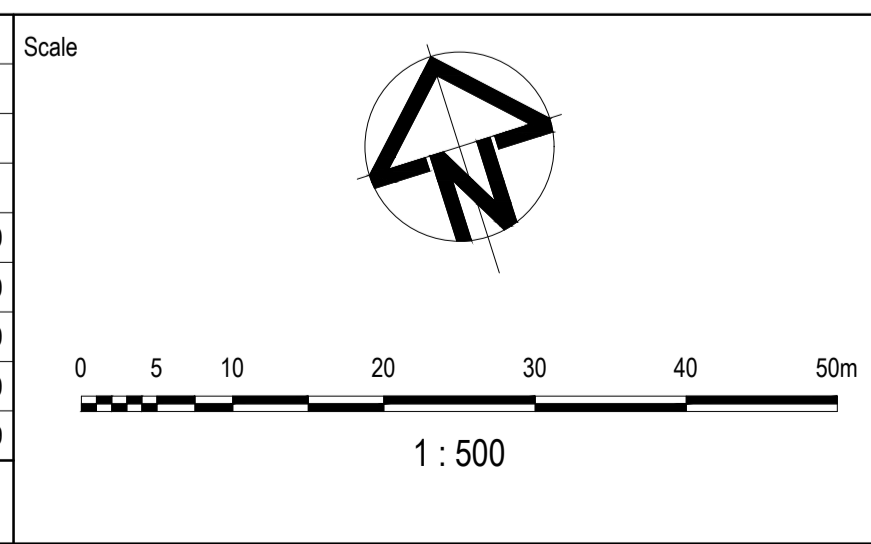
LEGEND	
	5.0 EXISTING SURFACE CONTOURS
	5.0 PROPOSED SURFACE CONTOURS
	SWD PROPOSED STORMWATER DRAINAGE
	PROPOSED PIT LABEL
	SWD EXISTING STORMWATER DRAINAGE
	FUTSWD FUTURE STORMWATER DRAINAGE
	PROPOSED CATCHMENT BOUNDARY
	PROPOSED RIDGE LINE
	A-20(2) 0.0519ha CATCHMENT LABEL AND AREA

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

AVERAGE CATCHMENT COEFFICIENTS STAGE 8A, 8B & 8C - 100 YEAR AEP	
ROAD RESERVE	0.900
LOTS	0.720
OPEN SPACE RESERVES	0.400

AS CONSTRUCTED RECORDS
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03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	28.07.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19



Planner

Client

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

Status	AS CONSTRUCTED
Verifier	Z.STROGUSZ
Scales	1:500
Original Size	A1
Height Datum	AHD
Grid	MGA

Project	EYNESBURY TOWNSHIP STAGE 8B
Title	STORMWATER DRAINAGE Q100 CATCHMENT PLAN

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-08B-351
Project No.	10029435
Issue	B

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=CA	Partial CA	Partial Sum CA	Partial Qc=CA	Approach Flow Qa
(-)	(-)	(m)	(m)	(m)	(-)	(min)	(mm/hr)	(-)	(ha)	(ha)	(ha)	(L/s)	(ha)	(ha)	(L/s)	(L/s)
Ex. A-7	SIDE ENTRY PIT GRATED	283821.000	5814310.930	93.47	1P	5	86.28	0.60	0.0213	0.0128	0.0902	21.60	0.0128	0.0902	21.60	21.60
					1I	5	86.28	0.70	0.0319	0.0223			0.0223			
					2P	5	86.28	0.68	0.0198	0.0135			0.0135			
					2I	5	86.28	0.70	0.0594	0.0416			0.0416			
A-8	SIDE ENTRY PIT GRATED	283776.060	5814232.950	97.78	1P	5	86.28	0.60	0.1347	0.0808	0.2528	60.60	0.0808	0.2528	60.60	60.60
					1I	5	86.28	0.70	0.2020	0.1414			0.1414			
					2P	5	86.28	0.68	0.0110	0.0075			0.0075			
					2I	5	86.28	0.70	0.0330	0.0231			0.0231			
A-9	SIDE ENTRY PIT GRATED	283783.820	5814228.480	97.76	2P	5	86.28	0.68	0.0137	0.0093	0.0381	9.10	0.0093	0.0381	9.10	9.10
					2I	5	86.28	0.70	0.0412	0.0288			0.0288			
Ex. C-12	SIDE ENTRY PIT GRATED	283594.380	5814414.300	96.02	2P	5	86.28	0.68	0.0134	0.0091	0.0373	8.90	0.0091	0.0373	8.90	8.90
					2I	5	86.28	0.70	0.0402	0.0281			0.0281			
C-13	SIDE ENTRY PIT GRATED	283575.450	5814354.560	97.400	1P	5	86.28	0.60	0.0770	0.0462	0.1537	36.80	0.0462	0.1537	36.80	36.80
					1I	5	86.28	0.70	0.1155	0.0808			0.0808			
					2P	5	86.28	0.68	0.0096	0.0065			0.0065			
					2I	5	86.28	0.70	0.0288	0.0201			0.0201			
Ex. G-3	SIDE ENTRY PIT GRATED	283756.700	5814345.590	94.21	1P	5	86.28	0.60	0.0161	0.0096	0.0490	11.70	0.0096	0.0490	11.70	11.70
					1I	5	86.28	0.70	0.0241	0.0169			0.0169			
					2P	5	86.28	0.68	0.0081	0.0055			0.0055			
					2I	5	86.28	0.70	0.0242	0.0170			0.0170			
G-4	SIDE ENTRY PIT GRATED	283736.530	5814310.560	95.13	1P	5	86.28	0.60	0.0437	0.0262	0.1003	24.00	0.0262	0.1003	24.00	24.00
					1I	5	86.28	0.70	0.0655	0.0459			0.0459			
					2P	5	86.28	0.68	0.0102	0.0069			0.0069			
					2I	5	86.28	0.70	0.0305	0.0213			0.0213			
G-5	SIDE ENTRY PIT GRATED	283711.170	5814266.540	98.2	1P	5	86.28	0.60	0.0582	0.0349	0.1139	27.30	0.0349	0.1139	27.30	27.30
					1I	5	86.28	0.70	0.0874	0.0612			0.0612			
					2P	5	86.28	0.68	0.0064	0.0044			0.0044			
					2I	5	86.28	0.70	0.0192	0.0134			0.0134			
Ex. H-3	SIDE ENTRY PIT GRATED	283749.010	5814349.870	94.22	1P	5	86.28	0.60	0.0162	0.0097	0.0518	12.40	0.0097	0.0518	12.40	12.40
					1I	5	86.28	0.70	0.0243	0.0170			0.0170			
					2P	5	86.28	0.68	0.0090	0.0061			0.0061			
					2I	5	86.28	0.70	0.0270	0.0189			0.0189			
H-4	SIDE ENTRY PIT GRATED	283726.540	5814310.840	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			0.0100			
					2I	5	86.28	0.70	0.0443	0.0310			0.0310			
Fut. H-5	SIDE ENTRY PIT GRATED	283689.690	5814246.900	99.32	1P	5	86.28	0.60	0.0487	0.0292	0.1070	25.70	0.0292	0.1070	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			
Ex. K-4	JUNCTION PIT	283694.080	5814389.310	95	1P	5	86.28	0.60	0.0169	0.0102	0.0279	6.70	0.0102	0.0279	6.70	6.70
					1I	5	86.28	0.70	0.0254	0.0178			0.0178			
K-5	SIDE ENTRY PIT GRATED	283675.550	5814356.950	95.64	1P	5	86.28	0.60	0.0614	0.0368	0.1506	36.10	0.0368	0.1506	36.10	36.10
					1I	5	86.28	0.70	0.0920	0.0644			0.0644			
					2P	5	86.28	0.68	0.0178	0.0121			0.0121			
					2I	5	86.28	0.70	0.0533	0.0373			0.0373			
K-6	JUNCTION PIT	283646.820	5814307.090	97.65	1P	5	86.28	0.60	0.0742	0.0445	0.1225	29.40	0.0445	0.1225	29.40	29.40
					1I	5	86.28	0.70	0.1114	0.0780			0.0780			
O-1	SIDE ENTRY PIT GRATED	283665.820	5814357.680	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			
Fut. O-2	SIDE ENTRY PIT GRATED	283623.620	5814284.450	99.52	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			
Ex. V-1	SIDE ENTRY PIT GRATED	283602.770	5814411.650	96.03	2P	5	86.28	0.68	0.0140	0.0095	0.0390	9.30	0.0095	0.0390	9.30	9.30
					2I	5	86.28	0.70	0.0421	0.0295			0.0295			
V-2	SIDE ENTRY PIT GRATED	283581.520	5814344.580	97.83	1P	5	86.28	0.60	0.0796	0.0477	0.1915	45.90	0.0477	0.1915	45.90	45.90
					1I	5	86.28	0.70	0.1193	0.0835			0.0835			
					2P	5	86.28	0.68	0.0217	0.0147			0.0147			
					2I	5	86.28	0.70	0.0650	0.0455			0.0455			
Ex. W-1	GRATED PIT	283585.830	5814409.870	96.37	2P	5	86.28	0.68	0.0053	0.0036	0.0147	3.50	0.0036	0.0147	3.50	3.50
					2I	5	86.28	0.70	0.0159	0.0111			0.0111			
W-2	GRATED PIT	283561.110	5814419.160	97.11	2P	5	86.28	0.68	0.0043	0.0029	0.0120	2.90	0.0029	0.0120	2.90	2.90
					2I	5	86.28	0.70	0.0130	0.0091			0.0091			
W-3	GRATED PIT	283550.690	5814414.100	97.43	1P	5	86.28	0.60	0.0283	0.0170	0.0920	22.00	0.0170	0.0920	22.00	22.00
					1I	5	86.28	0.70	0.0425	0.0297			0.0297			
					2P	5	86.28	0.68	0.0163	0.0111			0.0111			
					2I	5	86.28	0.70	0.0488	0.0342			0.0342			
W-4	GRATED PIT	283533.540	5814360.030	98.41	1P	5	86.28	0.60	0.0510	0.0306	0.1035	24.80	0.0306	0.1035	24.80	24.80
					1I	5	86.28	0.70	0.0765	0.0536			0.0536			
					2P	5	86.28	0.68	0.0070	0.0047			0.0047			
					2I	5	86.28	0.70	0.0209	0.0146			0.0146			
W-5	GRATED PIT	283560.820	5814344.310	98.25	1P	5	86.28	0.60	0.0555	0.0333	0.1091	26.10	0.0333	0.1091	26.10	26.10
					1I	5	86.28	0.70	0.0833	0.0583			0.0583			
					2P	5	86.28	0.68	0.0063	0.0043			0.0043			
					2I	5	86.28	0.70	0.0189	0.0132			0.0132			
X-1	JUNCTION PIT	283517.800	5814369.100	98.5	1P	5	86.28	0.60	0.0352	0.0211	0.0582	13.90	0.0211	0.0582	13.90	13.90
					1I	5	86.28	0.70	0.0529	0.0370			0.0370			

AS CONSTRUCTED RECORDS

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HYDRAULIC DESIGN SHEET

Pipe	Pipe	Pipe	Pipe	Full Pipe	Pipe	Pipe	Full-area	Full-area	Full-area	Full-area	Part-area	Part-area	Part-area	Part-area	Pipe	Capacity	Q/Qcap	Full Pipe	Norm Depth	Crit Depth	Capacity Vel	US Pit	Pipe	Pipe	DS Pit	Cover	Cover	Pipe	Pipe	US Pit	US Pit	Pipe	P ^h ead Loss	WSE Loss	Pipe	US Pit	Pipe	Pipe	DS Pit	HGL	HGL	F'board
ID	Type	Length	Size	Area Af	Grade	Grade	Tct	I	Sum CA	Qc=CIA	Tct	I	Sum CA	Qc=CIA	Flow Q	Flow Qcap	Ratio	Vel Vf=Q/Af	Vel Vn=Q/An	Vel Vc=Q/Ac	Vcap=Qcap/Af	Grate RL	US IL	DS IL	Grate RL	Limit	Min	DS Bend	DS Drop	Ku	Kw	V'head	(Ku.V'head)	(Kw.V'head)	T'head Loss	HGL	US HGL	DS HGL	HGL	Grade	Grade	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)	(%)	(1 in)	(m)	
A-8 to A-7	RCP Class 2	90.00	300	0.071	3.80	26.30	6.15	79.73	0.2909	64.40	5.00	86.28	0.2821	67.60	67.60	217.40	0.31	0.96	2.72	1.33	3.07	97.60	95.33	91.91	93.30	0.90	0.91	49.20	0.05	4.84	4.95	0.05	0.23	0.23	3.33	95.86	95.63	92.30	92.30	3.70	27.00	1.74
A-9 to A-8	RCP Class 2	8.95	300	0.071	4.70	21.30	5.00	86.28	0.0381	9.10	5.00	86.28	0.0381	9.10	9.10	241.80	0.04	0.13	1.66	0.70	3.42	97.60	95.80	95.38	97.60	0.90	1.48	-90.00	0.05	9.70		0.00	0.01		0.24	96.11	96.10	95.86	95.86	2.73	36.60	1.49
C-13 to C-12	RCP Class 2	62.67	300	0.071	2.70	37.00	5.00	86.28	0.1537	36.80	5.00	86.28	0.1537	36.80	36.80	183.10	0.20	0.52	2.04	1.06	2.59	97.21	95.82	94.12	95.86	0.90	1.13	0.00	0.15	7.00		0.01	0.10		1.65	96.21	96.12	94.47	94.47	2.63	38.10	1.00
G-4 to G-3	RCP Class 2	40.43	300	0.071	1.90	52.60	7.19	74.90	0.2142	44.60	5.00	86.28	0.1643	39.40	44.60	153.40	0.29	0.63	1.89	1.13	2.17	94.96	93.39	92.62	94.04	0.90	1.22	5.70	0.05	1.96		0.02	0.04		0.79	93.73	93.69	92.91	92.91	1.95	51.4	1.23
G-5 to G-4	RCP Class 2	50.80	300	0.071	6.00	16.70	5.00	86.28	0.1139	27.30	5.00	86.28	0.1139	27.30	27.30	273.40	0.10	0.39	2.50	0.97	3.87	98.03	96.49	93.44	94.96	0.90	0.91	0.00	0.05	7.00		0.01	0.05		3.06	96.84	96.79	93.73	93.73	6.02	16.6	1.19
H-4 to H-3	RCP Class 2	45.04	300	0.071	2.40	41.70	9.35	67.00	0.5549	103.30	8.99	68.18	0.5473	103.70	103.70	172.50	0.60	1.47	2.55	1.65	2.44	95.08	93.81	92.73	94.04	0.90	1.09	5.60	0.05	1.29		0.11	0.14		0.85	94.25	94.11	93.26	93.26	1.88	53.10	0.83
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
K-5 to K-4	RCP Class 2	37.29	300	0.071	1.25	80.00	11.06	62.14	0.6138	106.00	7.74	72.65	0.5504	111.10	111.10	124.20	0.89	1.57	1.98	1.73	1.76	95.48	93.57	93.10	94.81	0.90	1.56	12.50	0.05	1.30		0.13	0.16		0.37	94.45	94.29	93.91	93.91	1.00	99.9	1.02
K-6 to K-5	RCP Class 2	57.55	300	0.071	4.25	23.50	5.00	86.28	0.1225	29.40	5.00	86.28	0.1225	29.40	29.40	229.90	0.13	0.42	2.26	0.99	3.25	97.49	96.07	93.62	95.48	0.90	1.07	0.10	0.05	7.00		0.01	0.06		1.91	96.43	96.37	94.45	94.45	3.32	30.1	1.06
O-1 to K-5	RCP Class 2	9.83	300	0.071	1.00	100.00	10.87	62.65	0.3408	59.30	10.55	63.48	0.3361	59.30	59.30	111.00	0.53	0.84	1.59	1.26	1.57	95.58	93.73	93.63	95.48	0.90	1.51	62.80	0.08	2.12	2.45	0.04	0.08	0.09	0.03	94.14	94.07	94.02	94.02	0.29	345.10	1.44
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	3.59	97.75	97.72	94.13	94.14	4.24	23.60	1.61
V-2 to V-1	RCP Class 2	70.35	300	0.071	2.50	40.00	5.00	86.28	0.1915	45.90	5.00	86.28	0.1915	45.90	45.90	176.10	0.26	0.65	2.11	1.15	2.49	97.66	96.02	94.26	95.86	0.90	1.08	90.00	0.05	6.99		0.02	0.15		1.76	96.47	96.32	94.57	94.58	2.50	40.10	1.19
W-2 to W-1	RCP Class 2	26.41	300	0.071	2.30	43.50	7.86	72.18	0.3748	75.10	7.75	72.63	0.3734	75.30	75.30	168.90	0.45	1.07	2.32	1.40	2.39	97.11	95.36	94.75	96.37	0.90	1.31	52.10	0.05	0.82	0.83	0.06	0.05	0.05	0.59	95.70	95.66	95.06	95.06	2.25	44.40	1.40
W-3 to W-2	RCP Class 2	11.86	300	0.071	2.60	38.50	7.67	72.92	0.3628	73.50	7.56	73.39	0.3614	73.70	73.70	179.60	0.41	1.04	2.42	1.38	2.54	97.43	95.72	95.41	97.11	1.20	1.38	-46.50	0.05	1.74	1.76	0.06	0.10	0.10	0.31	96.11	96.02	95.70	95.70	2.62	38.20	1.32
W-4 to W-3	RCP Class 2	56.73	300	0.071	1.10	90.90	6.54	77.85	0.2708	58.60	6.42	78.41	0.2694	58.70	58.70	116.50	0.50	0.83	1.65	1.26	1.65	98.41	96.39	95.77	97.43	0.90	1.35	-46.60	0.05	2.16	2.55	0.04	0.08	0.09	0.58	96.78	96.69	96.11	96.11	1.02	98.20	1.63
W-5 to W-4	RCP Class 2	31.48	300	0.071	1.00	100.00	5.00	86.28	0.1091	26.10	5.00	86.28	0.1091	26.10	26.10	111.00	0.24	0.37	1.29	0.95	1.57	98.25	96.75	96.44	98.41	0.90	1.17	-77.60	0.05	7.00		0.01	0.05		0.29	97.10	97.05	96.77	96.78	0.92	109.00	1.15
X-1 to W-4	RCP Class 2	18.17	300	0.071	3.50	28.60	5.00	86.28	0.0582	13.90	5.00	86.28	0.0582	13.90	13.90	208.60	0.07	0.20	1.70	0.79	2.95	98.50	97.08	96.44	98.41	0.90	1.09	102.40	0.05	7.00		0.00	0.01		0.61	97.39	97.38	96.77	96.78	3.36	29.80	1.11

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	13.10.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	28.07.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19

Scale	Planner	Client

Status	Project
AS CONSTRUCTED	EYNESBURY TOWNSHIP STAGE 8B

Verifier	Original Issue Signatures
Z.STROGUSZ	Drawn W.BUMAGAT Designed J.ROCK
Original Size A1	Project Manager S.EISEL
Height Datum AHD	Grid MGA
Grid MGA	Copyright reserved

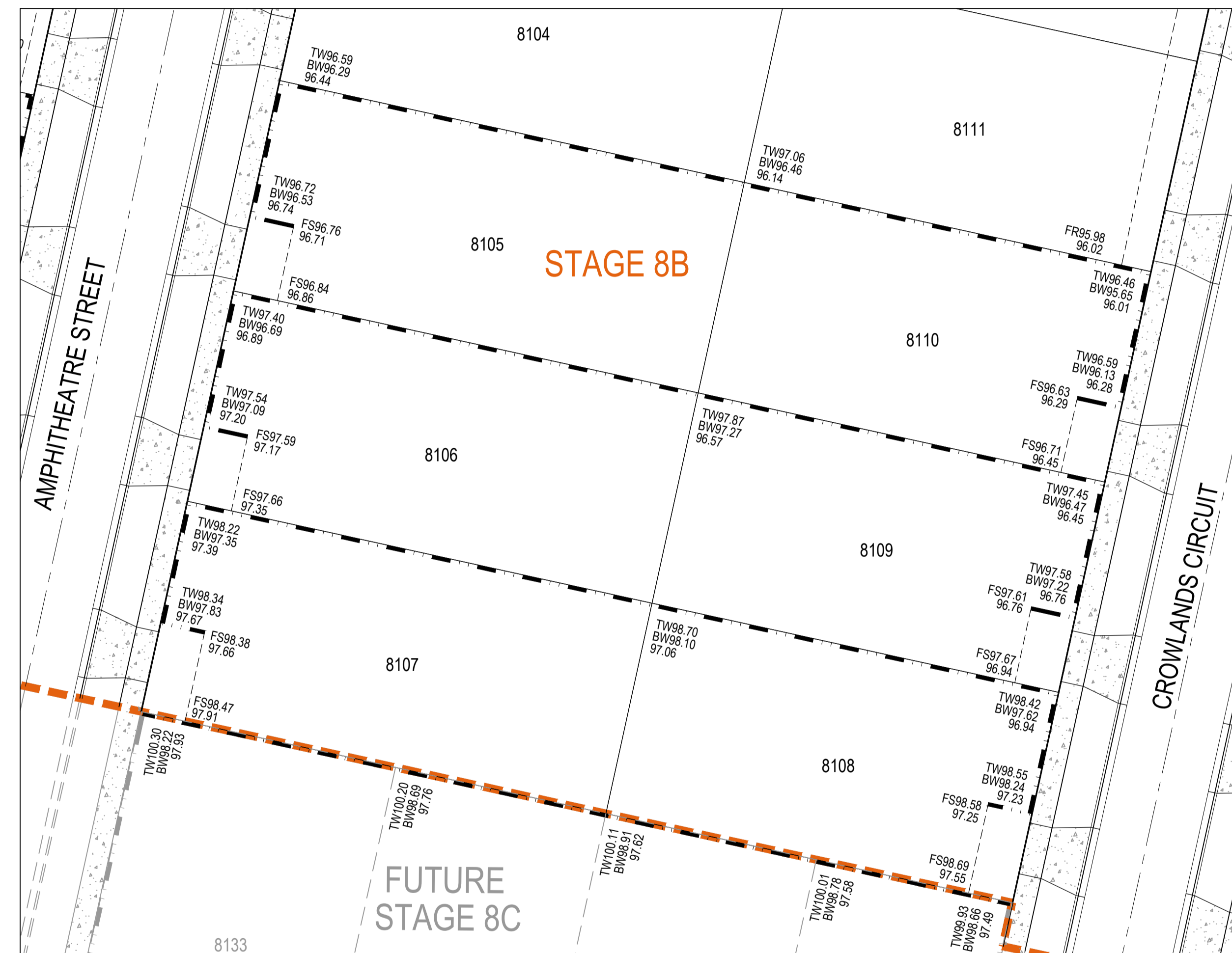
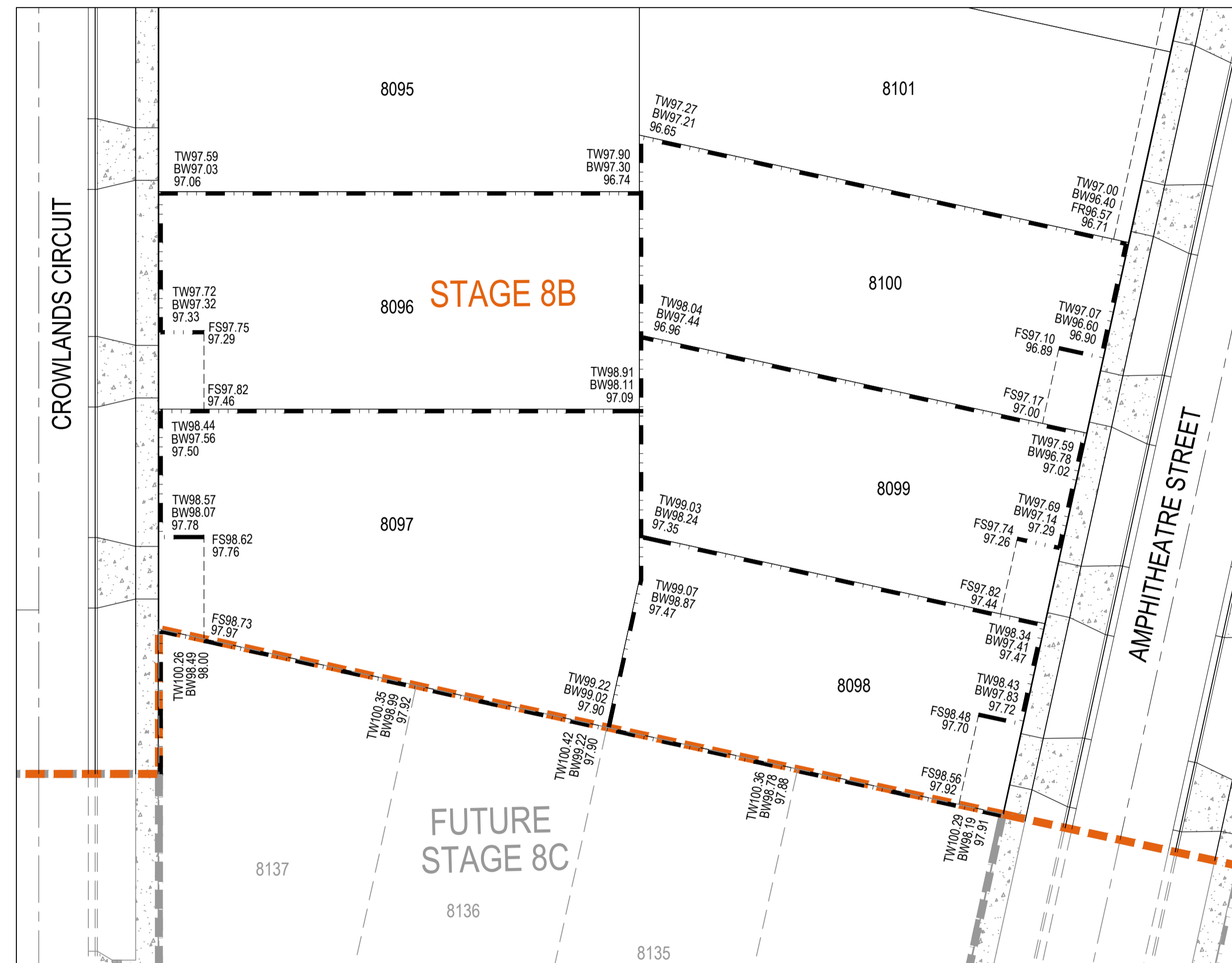
Title
STORMWATER DRAINAGE CALCULATION TABLES SHEET 2 OF 2

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

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

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
	RETAINING WALL
	PROPOSED RIDGE LINE

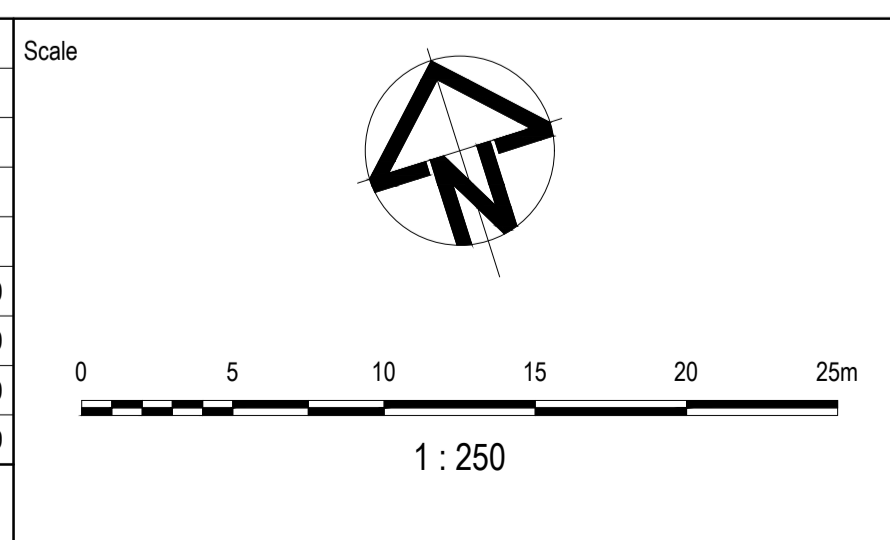
NOTE:
 1. FOR RETAINING WALL DESIGN AND DETAILS REFER TO MIGLIC STRUCTURAL DESIGN PLANS.



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	13.10.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	28.07.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19



Planner

RD RobertsDay
planning-design-place

Filename C-08b-700-10029435-RetainingWallPlanSheet1.dwg

Client

RESIMAX
GROUP

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

EYNEBURY TOWNSHIP
STAGE 8B

Title

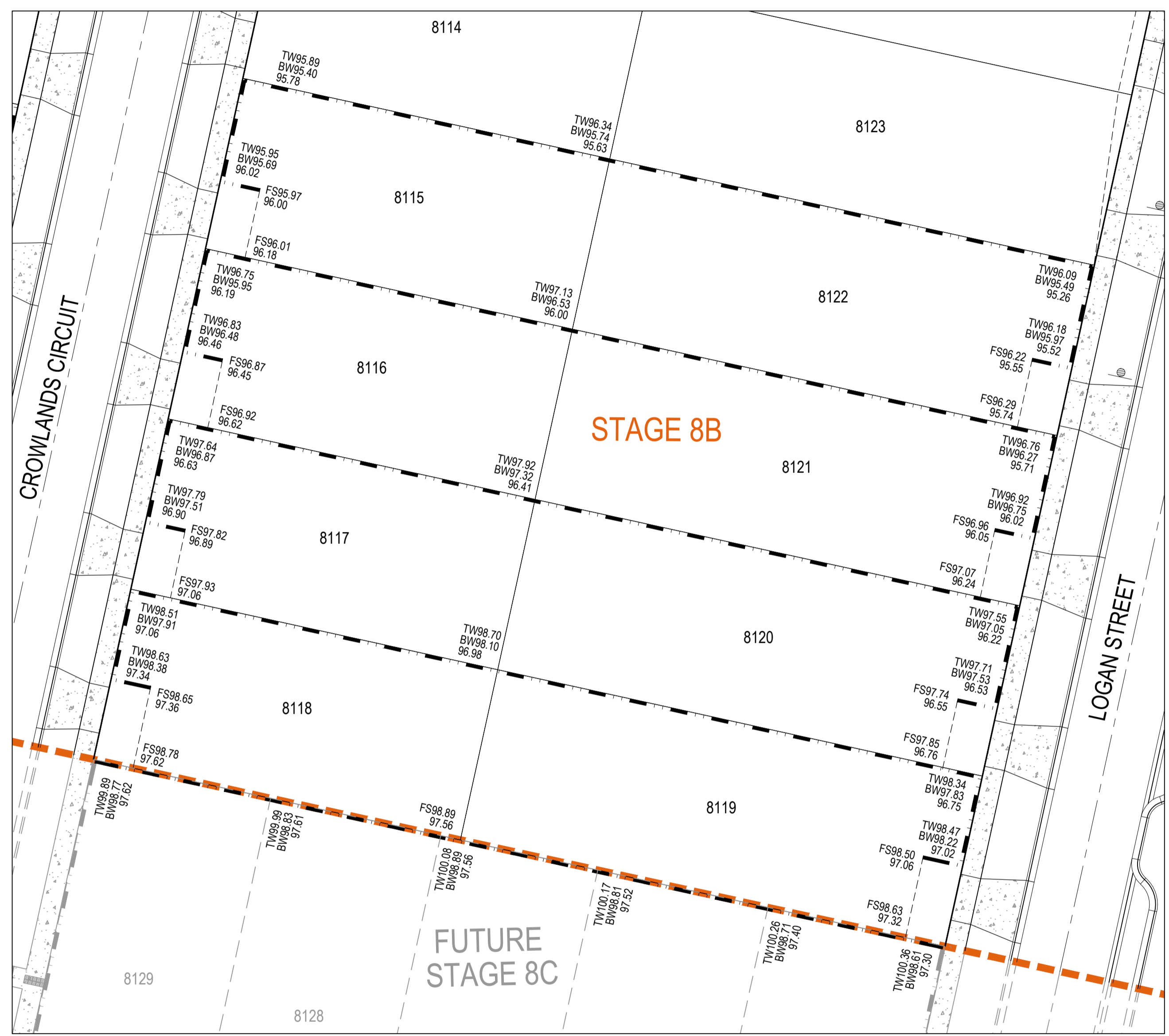
RETAINING WALL LAYOUT
PLAN SHEET 1 OF 2

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Melbourne VIC 3000
ABN 76 104 485 289
Tel No: +61 3 8623 4000
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Drawing No. C-08B-700 — Project No. 10029435 — Issue B

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
	RETAINING WALL
	PROPOSED RIDGE LINE

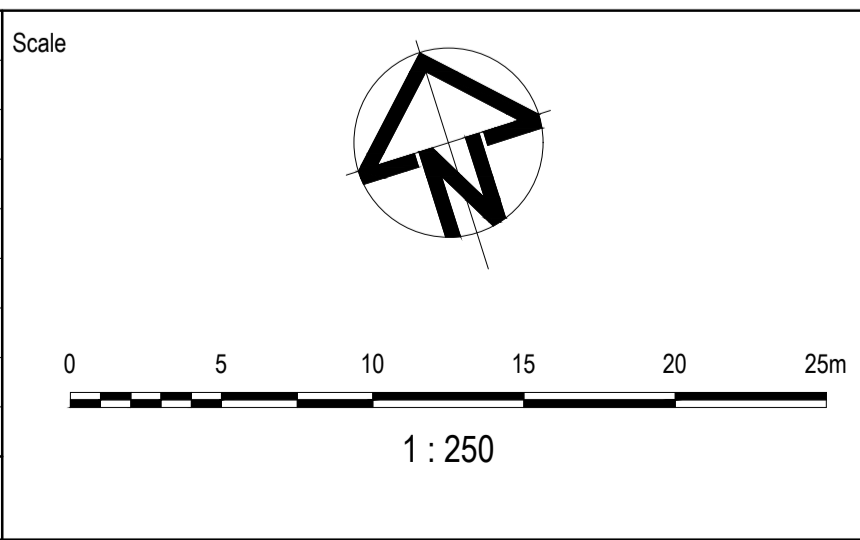
NOTE:
 1. FOR RETAINING WALL DESIGN AND DETAILS REFER TO MIGLIC STRUCTURAL DESIGN PLANS.



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	13.10.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	28.07.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19



Planner

Client

Filename C-08b-701-10029435-RetainingWallPlanSheet2.dwg

Status

AS CONSTRUCTED

Verifier

Z.STROGUSZ

Scales

1:250

Original Issue Signatures

Drawn W.BUMAGAT

Designed J.ROCK

Project Manager S.EISEL

Original Size **A1**

Height Datum AHD

Grid MGA

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Project

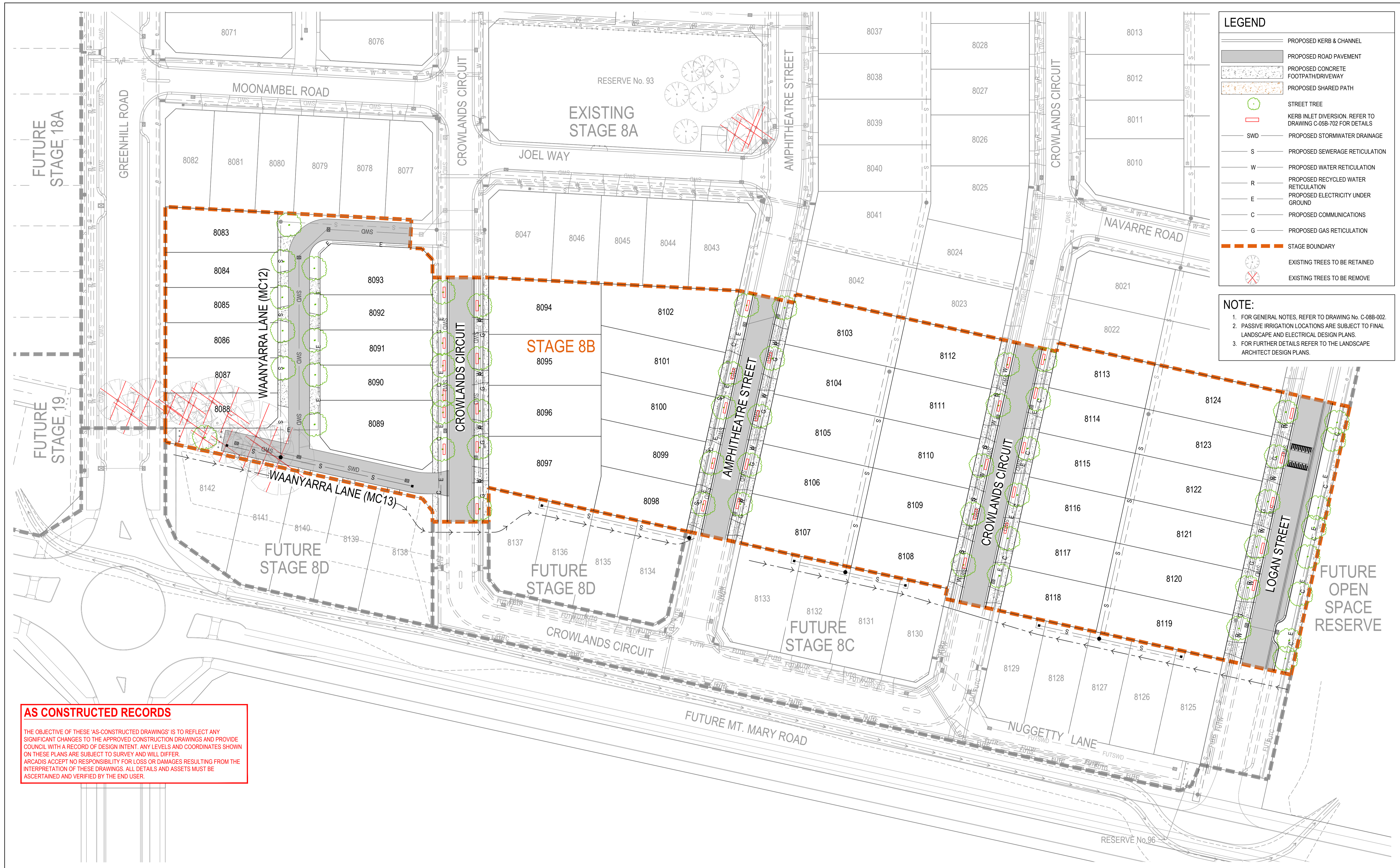
EYNESBURY TOWNSHIP
STAGE 8B

Title

RETAINING WALL LAYOUT
PLAN SHEET 2 OF 2

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



LEGEND

- PROPOSED KERB & CHANNEL
- PROPOSED ROAD PAVEMENT
- PROPOSED CONCRETE FOOTPATH/DRIVEWAY
- PROPOSED SHARED PATH
- STREET TREE
- KERB INLET DIVERSION. REFER TO DRAWING C-05B-702 FOR DETAILS
- PROPOSED STORMWATER DRAINAGE
- PROPOSED SEWERAGE RETICULATION
- PROPOSED WATER RETICULATION
- PROPOSED RECYCLED WATER RETICULATION
- PROPOSED ELECTRICITY UNDER GROUND
- PROPOSED COMMUNICATIONS
- PROPOSED GAS RETICULATION
- STAGE BOUNDARY
- EXISTING TREES TO BE RETAINED
- EXISTING TREES TO BE REMOVE

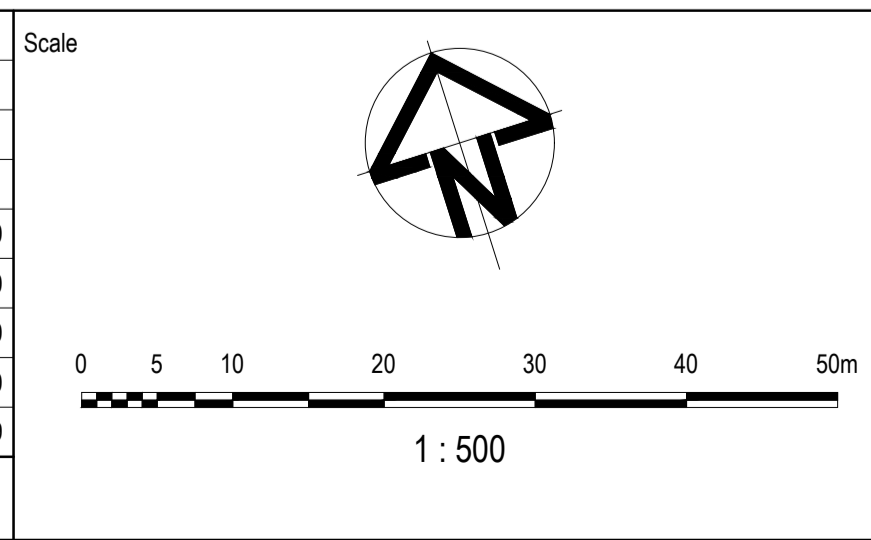
NOTE:

- FOR GENERAL NOTES, REFER TO DRAWING No. C-08B-002.
- PASSIVE IRRIGATION LOCATIONS ARE SUBJECT TO FINAL LANDSCAPE AND ELECTRICAL DESIGN PLANS.
- 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	13.10.20
04	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	11.08.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	28.07.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19



Planner

Client

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

Status

AS CONSTRUCTED

Verifier

Z.STROGUSZ

Scales

1:500

Original Issue Signatures

Drawn W.BUMAGAT

Designed J.ROCK

Project Manager S.EISEL

Original Size

A1

Height Datum

AHD

Grid

MGA

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Project

EYNESBURY TOWNSHIP
STAGE 8B

Title

PASSIVE IRRIGATION LAYOUT

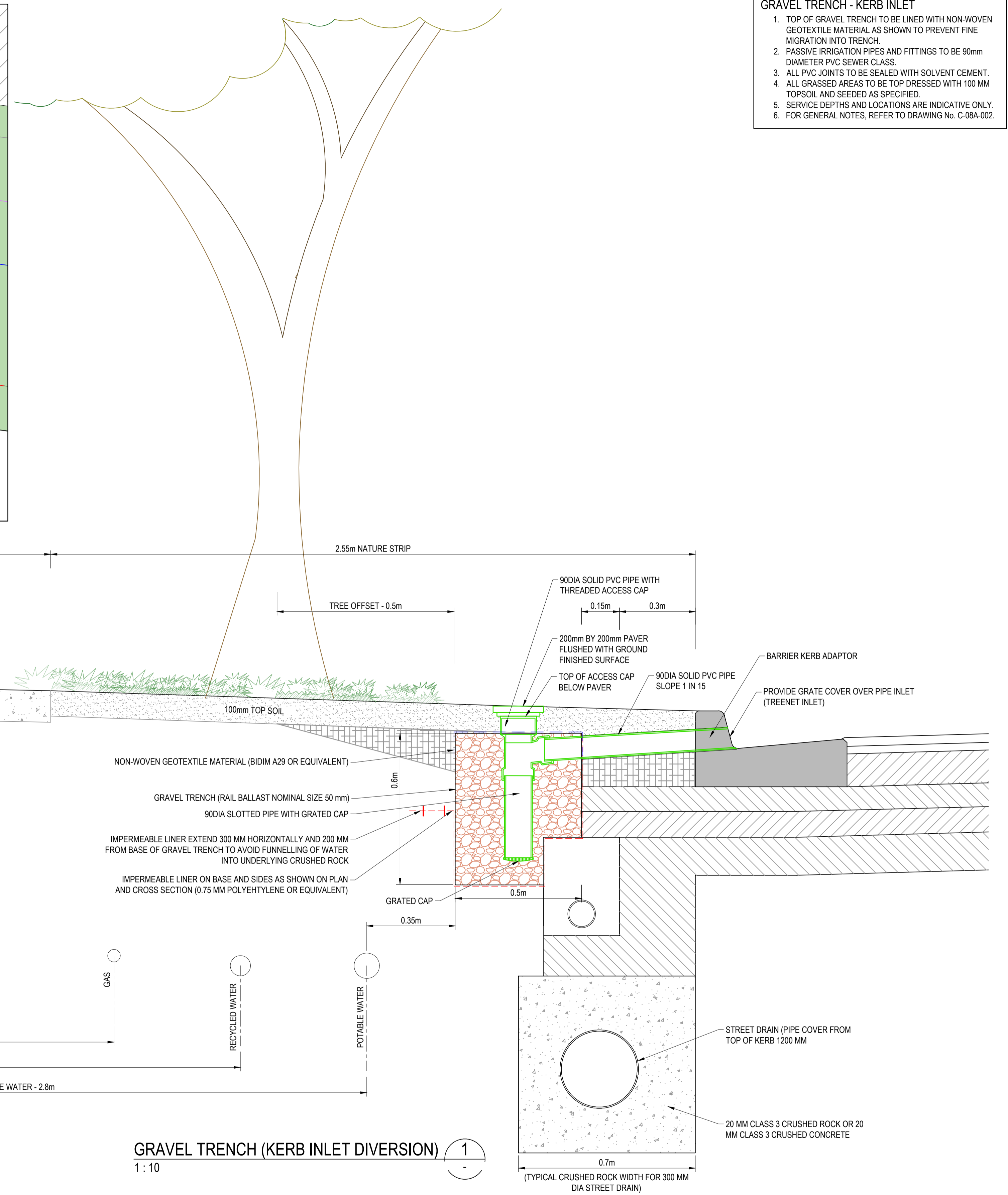
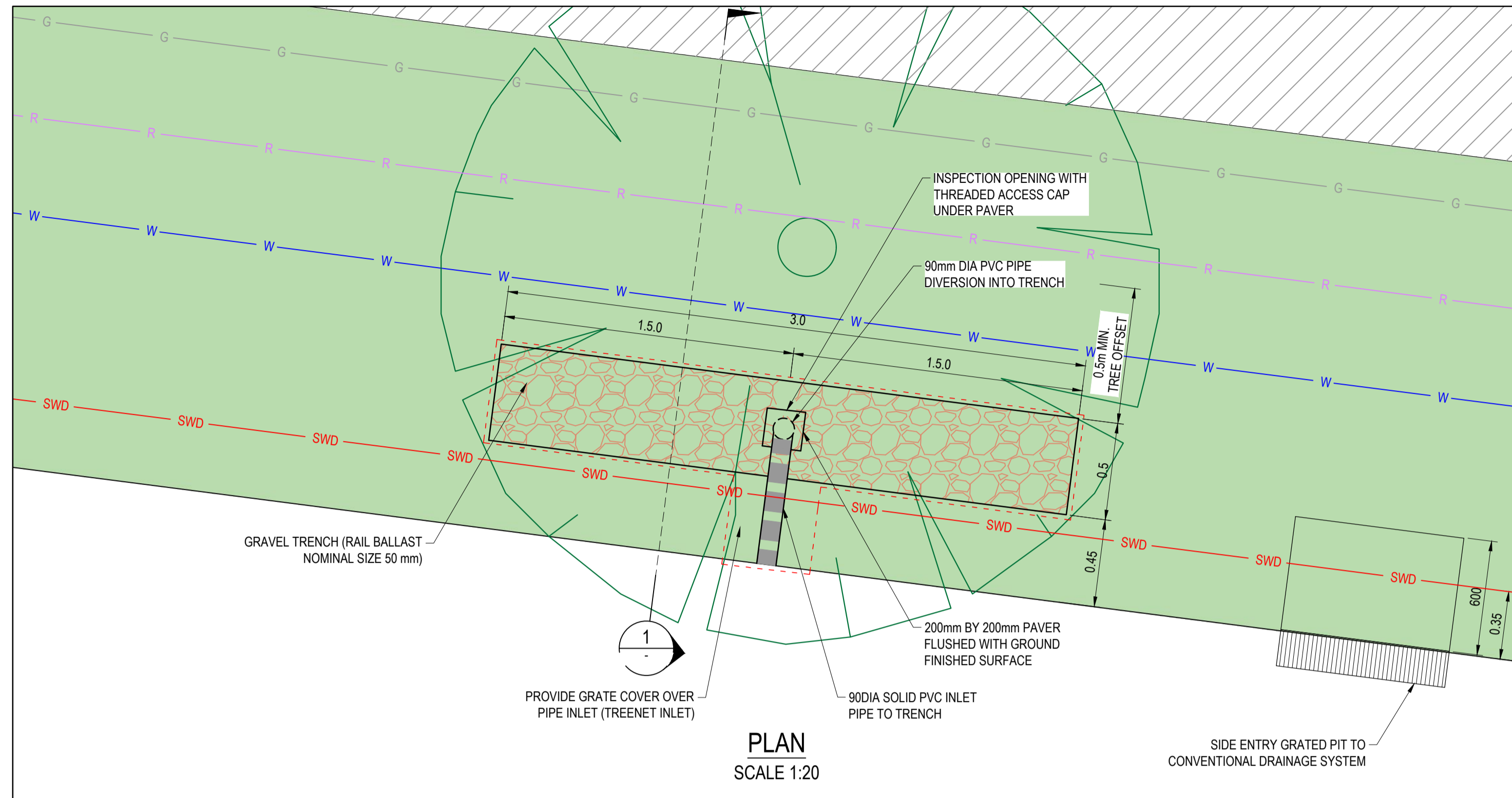
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Drawing No. C-08B-710

Project No. 10029435

Issue B

- 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-08A-002.

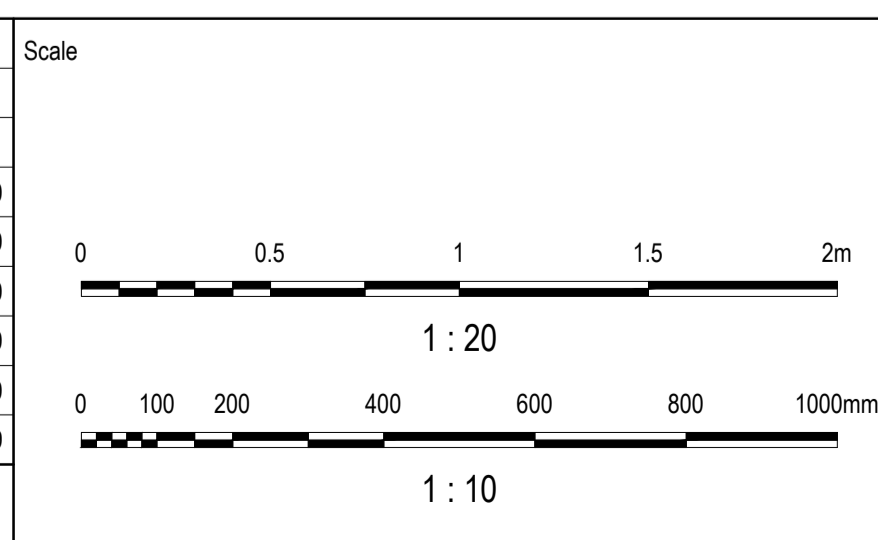


TREENET INLET

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	13.10.20
05	SUBSOIL DRAIN EXTENTS AMENDED	MD	ZS	JM	26.08.20
04	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	11.08.20
03	UPDATES TO ADDRESS COUNCIL COMMENTS	WB	ZS	SE	28.07.20
02	ISSUED FOR APPROVAL	WB	ZS	SE	03.07.20
01	ISSUED TO CLIENT FOR REVIEW	WB	ZS	SE	07.10.19



Planner

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GROUP

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

Status	AS CONSTRUCTED	
Verifier	Z.STROGUSZ	
Scales	1:10	Original Issue Signatures
	1:20	
Original Size	A1	
Height Datum	AHD	Designed J.ROCK
Grid	MGA	Project Manager S.EISEL
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Project	EYNESBURY TOWNSHIP STAGE 8B	
Title	PASSIVE IRRIGATION DETAILS	

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

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