



Eastern Creek Recycling Ecology Park

Recycling Infrastructure Optimisation Project

Appendix E

Concept design drawings



June 2022

EASTERN CREEK
RECYCLING ECOLOGY PARK
THROUGHPUT INCREASE
CIVIL WORKS PACKAGE
SSD 11606719

DRAWING LIST

GENERAL

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19-692-C311	ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 2
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DETAILS

19-692-C340	ROADWORKS DETAILS SHEET 1
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EROSION AND SEDIMENT CONTROL

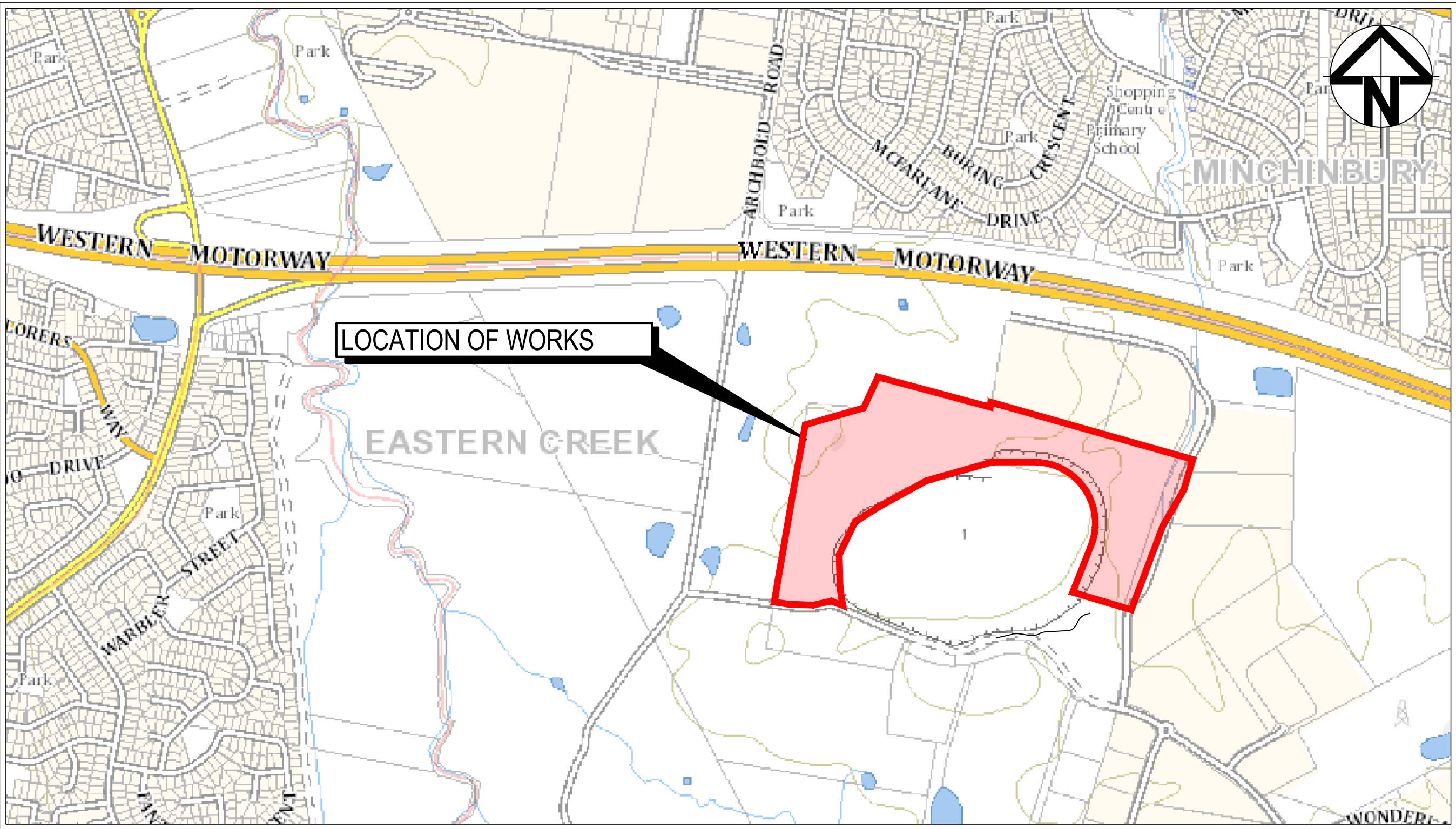
19-692-C350	EROSION AND SEDIMENT CONTROL PLAN SHEET 1
19-692-C351	EROSION AND SEDIMENT CONTROL PLAN SHEET 2
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VEHICLE TURN PATHS

19-692-C360	VEHICLE TURNPATHS SHEET 1
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LOCALITY PLAN
N.T.S

		Bar Scales	THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L	Client 	Scales		Drawn	JD	Project EASTERN CREEK RECYCLING ECOLOGY PARK THROUGHPUT INCREASE	Civil Engineers and Project Managers  <div>Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au</div>			
NTS					Designed	JD							
Grid	MGA94				Checked								
Height Datum	AHD				Approved								
					SSD 11606719		Title COVER SHEET DRAWING LIST LOCALITY PLAN		Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION		A1		
B					DRAWING LIST UPDATED	28/04/22					Project - Drawing No.		Issue
A					ISSUED FOR SSD	19/11/21					19-692-C300		B
Issue	Description				Date								

1. THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY LAND PARTNERS, BEING REGISTERED SURVEYORS. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. AT&L DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS.
2. SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT AT&L.
3. THE FOLLOWING NOTES HAVE BEEN TAKEN DIRECTLY FROM THE ORIGINAL SURVEY DOCUMENTS.
4. TREE SIZES ARE ESTIMATES ONLY.
5. ONLY VISIBLE SERVICES HAVE BEEN LOCATED IN THIS SURVEY.
6. SERVICE AND UTILITIES SHOWN ON PLAN HAVE BEEN LOCATED BY PHYSICAL EVIDENCE ON SITE ONLY AND MAY NOT HAVE BEEN OPENED TO VERIFY THE TYPE OF UTILITY. NEITHER EXCAVATION NOR POT-HOLING HAVE BEEN CARRIED OUT TO CONFIRM UNDERGROUND LOCATION. SERVICE DETAILS SHOULD BE CONFIRMED WITH THE RELEVANT SERVICE AUTHORITY DURING DESIGN AND PRIOR TO ANY CONSTRUCTION.
7. ALL DIMENSIONS MUST BE VERIFIED ON SITE PRIOR TO ANY CONSTRUCTION.
8. THE POSITION OF SURVEYED DATA HAS BEEN LOCATED AND IS SHOWN TO TOPOGRAPHIC ACCURACIES. IF CLEARANCES TO BOUNDARIES OR OTHER FEATURES ARE CRITICAL AND DIMENSIONS ARE NOT SHOWN FURTHER SURVEY MAY BE REQUIRED.
9. THE TITLE BOUNDARIES SHOWN HEREON WERE NOT MARKED AT THE TIME OF SURVEY AND HAVE BEEN DETERMINED BY PLAN DIMENSIONS ONLY AND NOT BY FIELD SURVEY.
10. ANY CONSTRUCTION ON OR NEAR BOUNDARIES WILL REQUIRE FURTHER SURVEY IN ORDER THAT MARKS DEFINING BOUNDARIES CAN BE PLACED.

1. ORIGIN OF LEVELS:- REFER SURVEY NOTES.
2. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES TO BE REPORTED TO ATEL.
3. MAKE SMOOTH CONNECTION WITH EXISTING WORKS.
4. ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
5. ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO MINIMUM 98% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS.1289 5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN 75)
6. PROVIDE 10mm WIDE EXPANSION JOINTS BETWEEN BUILDINGS AND ALL CONCRETE OR UNIT PAVEMENTS.
7. ASPHALTIC CONCRETE SHALL CONFORM TO TFSNW. SPECIFICATION R116.
8. ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH TFSNW. FORM 3051 (UNBOUND). TFSNW. FORM ACCORDANCE WITH AS.1289 5.2.1 FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m² OF BASECOURSE MATERIAL PLACED.
9. ALL SUB-BASE COURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH TFSNW. FORM 3051.1 AND COMPACTION FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m² OF SUB-BASE COURSE MATERIAL PLACED.
10. AS AN ALTERNATIVE TO THE USE OF IGNEOUS ROCK AS A SUB-BASE MATERIAL IN (9) A CERTIFIED RECYCLED CONCRETE MATERIAL COMPLYING WITH TFSNW. FORM 3051 AND 3051.1 WILL BE CONSIDERED. SUBJECT TO MATERIAL SAMPLES AND APPROPRIATE CERTIFICATIONS BEING PROVIDED TO THE SATISFACTION OF ATEL.
11. SHOULD THE CONTRACTOR WISH TO USE A RECYCLED PRODUCT THIS SHALL BE CLEARLY INDICATED IN THEIR TENDER AND THE PRICE DIFFERENCE BETWEEN AN IGNEOUS PRODUCT AND A RECYCLED PRODUCT SHALL BE CLEARLY INDICATED.
12. WHERE NOTED ON THE DRAWINGS THAT WORKS ARE TO BE CARRIED BY OTHERS, (eg. ADJUSTMENT OF SERVICES), THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF THESE WORKS. 3052 (BOUND) COMPACTED TO MINIMUM 98% MODIFIED DENSITY IN TO MINIMUM 95% MODIFIED DENSITY IN ACCORDANCE WITH AS.1289 5.2.1

ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.

2. CONCRETE QUALITY
ALL REQUIREMENTS OF THE CURRENT ACSE CONCRETE SPECIFICATION DOCUMENT 1 SHALL APPLY TO THE FORMWORK, REINFORCEMENT AND CONCRETE UNLESS NOTED OTHERWISE.

ELEMENT	AS 3600 F _c MPa AT 28 DAYS	SPECIFIED SLUMP	NOMINAL AGG. SIZE
VEHICULAR BASE	32	60	20
KERBS, PATHS, AND PITS	25	80	20

- CEMENT TYPE SHALL BE (ACSE SPECIFICATION) TYPE SL
- PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS.1379.

3. NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING BY AT&L.

4. CLEAR CONCRETE COVER TO ALL REINFORCEMENT FOR DURABILITY SHALL BE 40mm TOP AND 70mm FOR EXTERNAL EDGES UNLESS NOTED OTHERWISE.

5. ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS, PLASTIC CHAIRS OR CONCRETE CHAIRS AT NOT GREATER THAN 1m CENTRES BOTH WAYS; BARS SHALL BE TIED AT ALTERNATE INTERSECTIONS.

6. THE FINISHED CONCRETE SHALL BE A DENSE HOMOGENEOUS MASS, COMPLETELY FILLING THE FORMWORK, THOROUGHLY EMBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS. ALL CONCRETE INCLUDING SLABS ON GROUND AND FOOTINGS SHALL BE COMPACTED AND CURED IN ACCORDANCE WITH TNSW SPECIFICATION R83.

7. REINFORCEMENT SYMBOLS:

- N DENOTES GRADE 450 N BARS TO AS.1302 GRADE N
- R DENOTES 230 R HOT ROLLED PLAIN BARS TO AS.1302
- SL DENOTES HARD-DRAWN WIRE REINFORCING FABRIC TO AS.1304

NUMBER OF BARS IN GROUP | BAR GRADE AND TYPE

17 N 20 250

NOMINAL BAR SIZE IN mm | SPACING IN mm

THE FIGURE FOLLOWING THE FABRIC SYMBOL SL IS THE REFERENCE NUMBER FOR FABRIC TO AS.1304.

8. FABRIC SHALL BE LAPPED IN ACCORDANCE WITH THE FOLLOWING DETAIL:

25 MIN | LAP TWO WIRES

1. THE SITE SUPERINTENDENT/ENGINEER WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS DOCUMENTED.
2. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH
 - a. LOCAL AUTHORITY REQUIREMENT
 - b. EPA REQUIREMENTS
 - c. NSW DEPARTMENT OF HOUSING MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004.
3. MAINTAIN THE EROSION CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
4. WHEN STORMWATER PITS ARE CONSTRUCTED, PREVENT SITE RUNOFF ENTERING UNLESS SEDIMENT FENCES ARE ERECTED AROUND PITS.
5. CONTRACTOR IS TO ENSURE ALL EROSION & SEDIMENT CONTROL DEVICES ARE MAINTAINED IN GOOD WORKING ORDER AND OPERATE EFFECTIVELY. REPAIRS AND OR MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED, PARTICULARLY FOLLOWING STORM EVENTS.

6. WHERE PRACTICAL, THE SOIL EROSION HAZARD ON THE SITE WILL BE KEPT AS LOW AS POSSIBLE. TO THIS END, WORKS SHOULD BE UNDERTAKEN IN THE FOLLOWING SEQUENCE:
 - (A) INSTALL A WIND FENCE ALONG THE BOUNDARIES AS SHOWN ON PLAN. REFER DETAIL.
 - (B) INSTALL A SEDIMENT FENCE ALONG THE BOUNDARIES AS SHOWN ON PLAN. REFER DETAIL.
 - (C) CONSTRUCTION STABILISING CONSTRUCTION ENTRANCE TO LOCATION AS DETERMINED BY SUPERINTENDENT/ENGINEER. REFER DETAIL.
 - (D) INSTALL SEDIMENT BASIN AS SHOWN ON PLAN.
 - (E) INSTALL SEDIMENT TRAPS AS SHOWN ON PLAN.
 - (F) UNDERTAKE SITE DEVELOPMENT WORKS IN ACCORDANCE WITH THE ENGINEERING PLANS. WHERE POSSIBLE, PHASE DEVELOPMENT SO THAT LAND DISTURBANCE IS CONFINED TO AREAS OF WORKABLE SIZE.

7. DURING WET/ WET WEATHER, LARGE, UNPROTECTED AREAS WILL BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP SOIL UNDER CONTROL.
8. FINAL SITE LANDSCAPING WILL BE UNDERTAKEN AS SOON AS POSSIBLE AND WITHIN 20 WORKING DAYS FROM COMPLETION OF CONSTRUCTION ACTIVITIES.
9. STORMWATERS WILL NOT BE LOCATED WITHIN 2 METRES OF HAZARD AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS SUCH AS WATERWAYS, WHERE THEY ARE BETWEEN AND 5 METRES FROM SUCH AREAS. SPECIAL SEDIMENT CONTROL MEASURES SHOULD BE TAKEN TO MINIMISE POSSIBLE POLLUTION TO DOWNSLOPE WATERS, E.G. THROUGH INSTALLATION OF SEDIMENT FENCING.
10. ANY SAND USED IN THE CONCRETE CURING PROCESS (SPREAD OVER THE SURFACE) WILL BE REMOVED AS SOON AS POSSIBLE AND WITHIN 10 WORKING DAYS FROM PLACEMENT.
11. WATER WILL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE, I.E. THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/OR AN LIKELY SEDIMENT HAS BEEN FILTERED THROUGH AN APPROVED STRUCTURE.
12. TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES WILL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE REHABILITATED.

13. ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER.

14. ANY EXISTING TREES WHICH FORM PART OF THE FINAL LANDSCAPING PLAN WILL BE PROTECTED FROM CONSTRUCTION ACTIVITIES BY:

- (A) PROTECTING THEM WITH BARRIER FENCING OR SIMILAR MATERIAL INSTALLED OUTSIDE THE DRIP LINE
- (B) ENSURING THAT NOTHING IS NAILED TO THEM
- (C) PROHIBITING PAVING, GRADING, SEDIMENT WASH OR PLACING OF STOCKPILES WITHIN THE DRIP LINE EXCEPT UNDER THE FOLLOWING CONDITIONS.

- (I) ENCROACHMENT ONLY OCCURS ON ONE SIDE AND NO CLOSER TO THE TRUNK THAN EITHER 1.5 METRES OR HALF THE DISTANCE BETWEEN THE OUTER EDGE OF THE DRIP LINE AND THE TRUNK, WHICH EVER IS THE GREATER
- (II) A DRAINAGE SYSTEM THAT ALLOWS AIR AND WATER TO CIRCULATE THROUGH THE ROOT ZONE (E.G. A GRAVEL BED) IS PLACED UNDER ALL FILL LAYERS OF MORE THAN 300 MILLIMETRES DEPTH
- (III) CARE IS TAKEN NOT TO CUT ROOTS UNNECESSARILY NOR TO COMPACT THE SOIL AROUND THEM.

STORMWATER DESIGN CRITERIA:

A) AVERAGE REQUIREMENT INTERVAL:
1:100 YEARS ROOFED AREAS TO SURCHARGE PIT
1:10 YEARS EXTERNAL PAVEMENTS

B) RAINFALL INTENSITIES:
TIME OF CONCENTRATION: MINUTES 5
1:100 YEARS= 220 mm/hr
1:10 YEARS= 144 mm/hr

(C) RUNOFF COEFFICIENTS:
ROOF AREAS: C = 1.0
EXTERNAL PAVEMENTS: C = 1.0

2. PIPES 300 DIA. AND LARGER TO BE REINFORCED CONCRETE CLASS '3' APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINTS. U.N.O.

3. PIPES UP TO 300 DIA SHALL BE SEWER GRADE uPVC WITH SOLVENT WELDED JOINTS.

4. EQUIVALENT STRENGTH VCP OR FRC PIPES MAY BE USED.

5. ALL STORMWATER DRAINAGE LINES UNDER PROPOSED BUILDING SLABS TO BE uPVC PRESSURE PIPE GRADE 6. ENSURE ALL VERTICALS AND DOWNPIPES ARE uPVC PRESSURE PIPE, GRADE 6 FOR A MIN OF 3.0m IN HEIGHT.

6. PIPES TO BE INSTALLED TO TYPE HS3 (ROAD) HS2 (LOTS) SUPPORT IN ACCORDANCE WITH AS 3725 (2007) IN ALL CASES BACKFILL TRENCH WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO MINIMUM 98% STANDARD MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN 75)

7. ALL INTERNAL WORKS WITHIN PROPERTY BOUNDARIES ARE TO COMPLY WITH THE REQUIREMENTS OF AS 3500 3.1 AND AS/NZS 3500 3.2.

8. PRECAST PITS MAY BE USED EXTERNAL TO THE BUILDING SUBJECT TO APPROVAL BY ATEL.

9. ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300 DIA.

10. WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS, UNSLOTTED uPVC SEWER GRADE PIPE IS TO BE USED.

11. CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL.

12. GRATES AND COVERS SHALL CONFORM TO AS 3996.

13. ALL INTERNAL PIT DIMENSIONS TO CONFORM TO AS 3500.3 TABLE 7.5.2.1

14. AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.

15. ALL EXISTING STORMWATER DRAINAGE LINES AND PITS THAT ARE TO REMAIN ARE TO BE INSPECTED AND CLEANED. DURING THIS PROCESS ANY PART OF THE STORMWATER DRAINAGE SYSTEM THAT WARRANTS REPAIR SHALL BE REPORTED TO THE SUPERINTENDENT/ENGINEER FOR FURTHER DIRECTIONS.

1. THE LOCATIONS OF UNDERGROUND SERVICES SHOWN IN THIS SET OF DRAWINGS HAVE BEEN PLOTTED FROM SURVEY INFORMATION AND SERVICE AUTHORITY INFORMATION. THE SERVICE INFORMATION HAS BEEN PREPARED ONLY TO SHOW THE APPROXIMATE POSITIONS OF ANY KNOWN SERVICES AND MAY NOT BE AS CONSTRUCTED OR ACCURATE.
2. AT&N CAN NOT GUARANTEE THAT THE SERVICES INFORMATION SHOWN ON THESE DRAWINGS ACCURATELY INDICATES THE PRESENCE OR ABSENCE OF SERVICES OR THEIR LOCATION AND WILL ACCEPT NO LIABILITY FOR INACCURACIES IN THE SERVICES INFORMATION SHOWN FROM ANY CAUSE WHATSOEVER.
3. CONTRACTORS SHALL TAKE DUE CARE WHEN EXCAVATING ONSITE INCLUDING HAND EXCAVATION WHERE NECESSARY.
4. CONTRACTORS ARE TO CONTACT THE RELEVANT SERVICE AUTHORITY PRIOR TO COMMENCEMENT OF EXCAVATION WORKS.
5. CONTRACTORS ARE TO UNDERTAKE A SERVICES SEARCH, PRIOR TO COMMENCEMENT OF WORKS ON SITE. SEARCH RESULTS ARE TO BE KEPT ON SITE AT ALL TIMES.



1. ORIGIN OF LEVELS: REFER SURVEY NOTES
2. STRIP ALL TOPSOIL/ORGANIC MATERIAL FROM CONSTRUCTION AREA AND REMOVE FROM SITE OR STOCK PILE AS DIRECTED BY SUPERINTENDENT.
3. EXCAVATED MATERIAL TO BE USED AS STRUCTURAL FILL PROVIDED THE PLACEMENT MOISTURE CONTENT OF THE MATERIAL IS +/- 2% OF THE OPTIMUM MOISTURE CONTENT.
4. COMPACT FILL AREAS AND SUBGRADE TO NOT LESS THAN:

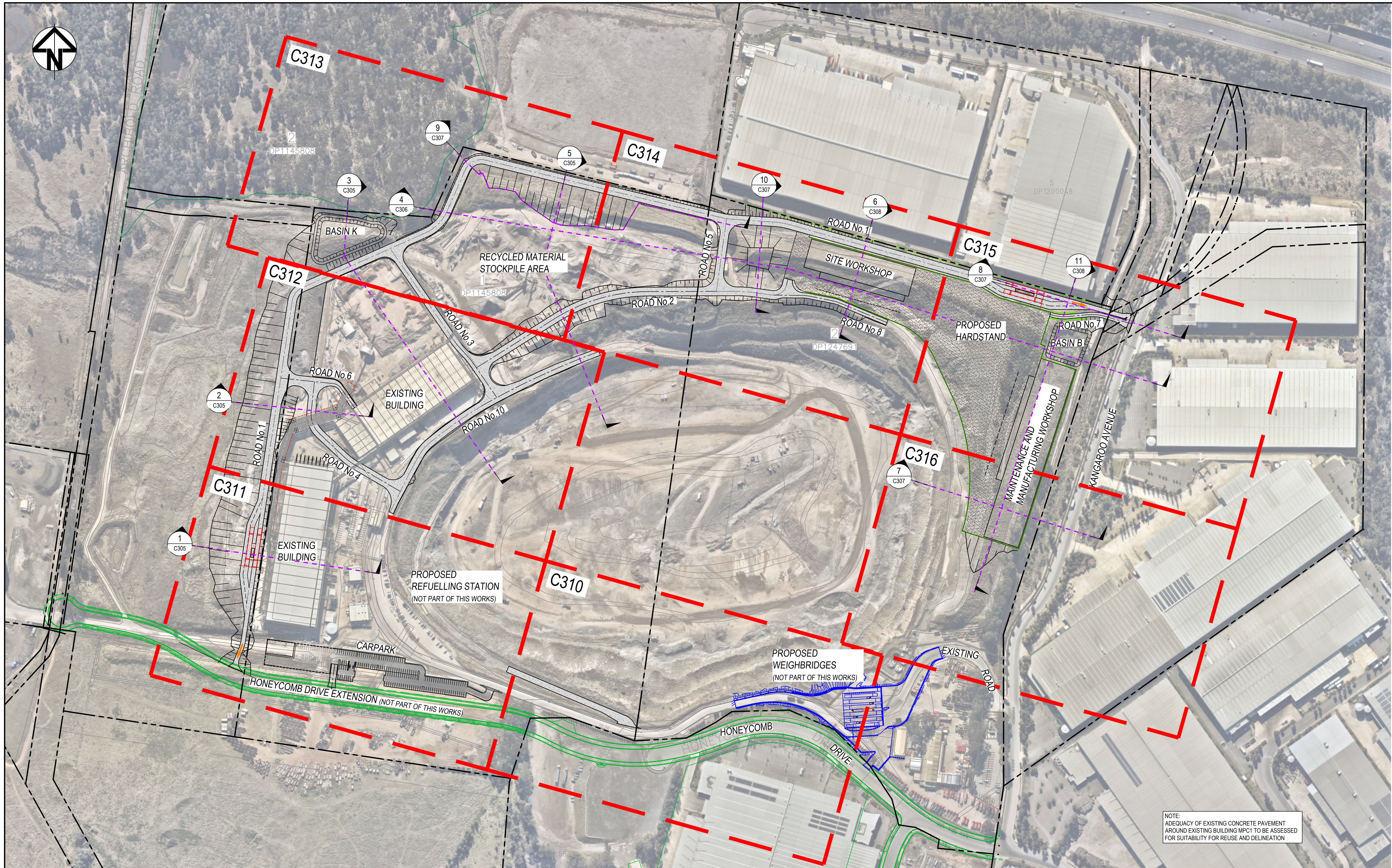
LOCATION	STANDARD DRY DENSITY (AS 1289 E 5.1.1.)
UNDER BUILDING SLABS ON GROUND	98%
UNDER ROADS AND CARPARKS	98%
LANDSCAPED AREAS UNLESS NOTED OTHERWISE	98%
5. FOR NON COHESIVE MATERIAL, COMPACT TO 75% DENSITY INDEX.
6. BEFORE PLACING FILL, PROOF ROLL EXPOSED SUBGRADE WITH AN 12 TONNE (MIN) DEADWEIGHT SMOOTH DRUM VIBRATORY ROLLER TO DETECT THEN REMOVE SOFT SPOTS (AREAS WITH MORE THAN 2mm MOVEMENT UNDER ROLLER).
7. FREQUENCY OF COMPACTION TESTING SHALL BE NOT LESS THAN -(A) 1 TEST PER 200m² OF FILL PLACED PER 300 LAYER OF FILL, (B) 3 TESTS PER VISIT (C) 1 TEST PER 200m² OF EXPOSED SUBGRADE TESTING SHALL BE "LEVEL 1" TESTING IN ACCORDANCE WITH AS 3798.
8. FILLING TO BE PLACED AND COMPACTED IN MAXIMUM 150mm LAYERS
9. NO FILLING SHALL TAKE PLACE TO EXPOSE SUBGRADE UNTIL THE AREA HAS BEEN PROOF ROLLED IN THE PRESENCE OF AT&L AND APPROVAL GIVEN IN WRITING THAT FILLING CAN PROCEED.
10. BULK EARTHWORKS TO BE UNDERTAKEN IN ACCORDANCE WITH PSM REPORT REF: PSM3637-003.
11. REMEDIAL ACTIONS IN ACCORDANCE WITH REMEDIAL ACTION PLAN BY SBSC REPORT REF: 5507/9117248.

1. ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 25 MPa U.N.O IN REINFORCED CONCRETE NOTES.
2. ALL KERBS, GUTTERS, DISH DRAINS AND CROSSINGS TO BE CONSTRUCTED ON 100mm GRANULAR BASECOURSE COMPACTED TO MINIMUM 95% MODIFIED DRY DENSITY (AS 1289 5.2.1).
3. EXPANSION JOINTS (E.J.) TO BE FORMED FROM 10mm COMPRESSIBLE CORK FILLER BOARD FOR THE FULL DEPTH OF THE SECTION AND CUT TO PROFILE. EXPANSION JOINTS TO BE LOCATED AT DRAINAGE PITS, O TANGENT POINTS OF CURVES AND ELSEWHERE AT MAX 12m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE EXPANSION JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
4. WEAKENED PLANE JOINTS TO BE MIN 3mm WIDE AND LOCATED AT 3m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE WEAKENED PLANE JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
5. BROOSED FINISH TO ALL RAMPED AND VEHICULAR CROSSINGS. ALL OTHER KERBING OR DISH DRAINS TO BE STEEL FLOOR FINISHED.
6. IN THE REPLACEMENT OF KERB AND GUTTER - EXISTING ROAD PAVEMENT IS TO BE SAWCUT 900mm U.N.O FROM THE LIP OF GUTTER. UPON COMPLETION OF THE NEW KERB AND GUTTER NEW BASECOURSE AND SURFACE TO BE LAID 600mm WIDE U.N.O. EXISTING ALLOTMENT DRAINAGE PIPES ARE TO BE BUILT INTO THE NEW KERB AND GUTTER WITH 100mm DIA HOLE. EXISTING KERB AND GUTTER IS TO BE COMPLETELY REMOVED WHERE NEW KERB AND GUTTER IS SHOWN.

CONTRACTOR SHALL CALL;
DIAL BEFORE YOU
DIG 1100
PRIOR TO COMMENCEMENT OF WORK TO OBTAIN
ALL CURRENT SERVICE AUTHORITY PLANS

NOTE:
PRIVATE UNDOCUMENTED SERVICES MAY BE PRESENT ON SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, RECORDING AND PROTECTING ALL EXISTING SERVICES.

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						<div>Designed</div> <div>JD</div>				
						<div>Checked</div> <div></div>				
						<div>Height Datum</div> <div>AHD</div>	<div>Approved</div> <div></div>	Title GENERAL NOTES	<div>Status</div> <div>FOR APPROVAL</div> <div>NOT TO BE USED FOR CONSTRUCTION</div> <div>Project - Drawing No. 19-692-C301</div>	<div>A1</div> <div>Issue</div> <div>A</div>
						SSD 11606719				
A	ISSUED FOR SSD				19/11/21					
Issue	Description	Date								



NOTE:
ADEQUACY OF EXISTING CONCRETE PAVEMENT
AROUND EXISTING BUILDING MPC1 TO BE ASSESSED
FOR SUITABILITY FOR REUSE AND DELINEATION

J	SECTION TAGS UPDATED	13/05/22
I	ADDITIONAL SECTIONS ADDED	24/04/22
H	ISSUED FOR SSD	19/11/21
G	PLANS UPDATED	04/11/21
F	CLIENT COMMENTS INCORPORATED	25/10/21
E	CLIENT COMMENTS INCORPORATED	15/10/21
D	LAYOUT UPDATED	30/09/21
C	WEIGHBRIDGES REVISED	08/09/21
B	CLIENT COMMENTS INCORPORATED	03/09/21
Issue	Description	Date

Bar Scales
0 50 100 150 200m
1 : 2000 @ A1


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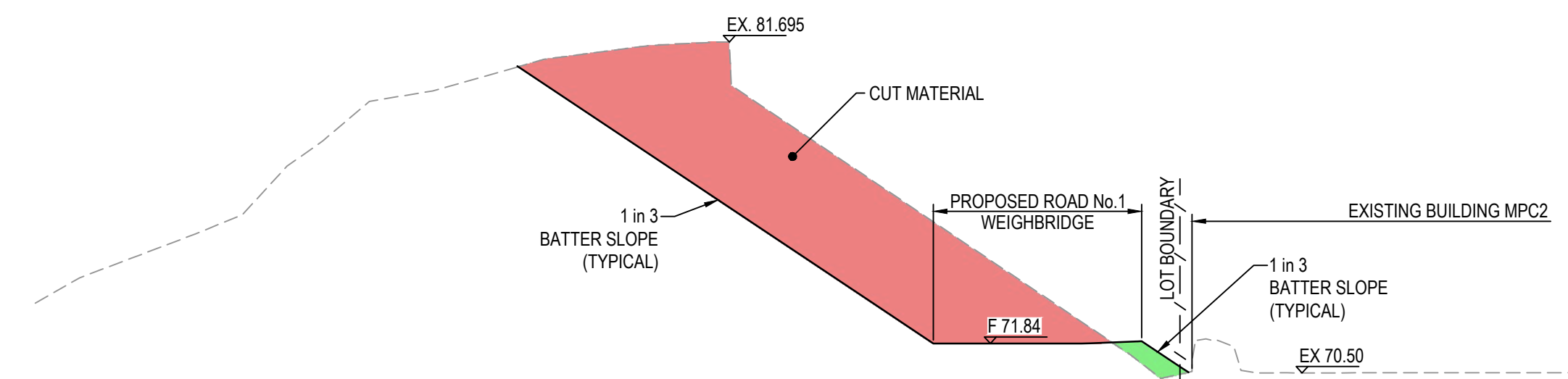


Scales	1:2000	Drawn	JD
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Grid	MGA94	Checked	
Height Datum	AHD	Approved	

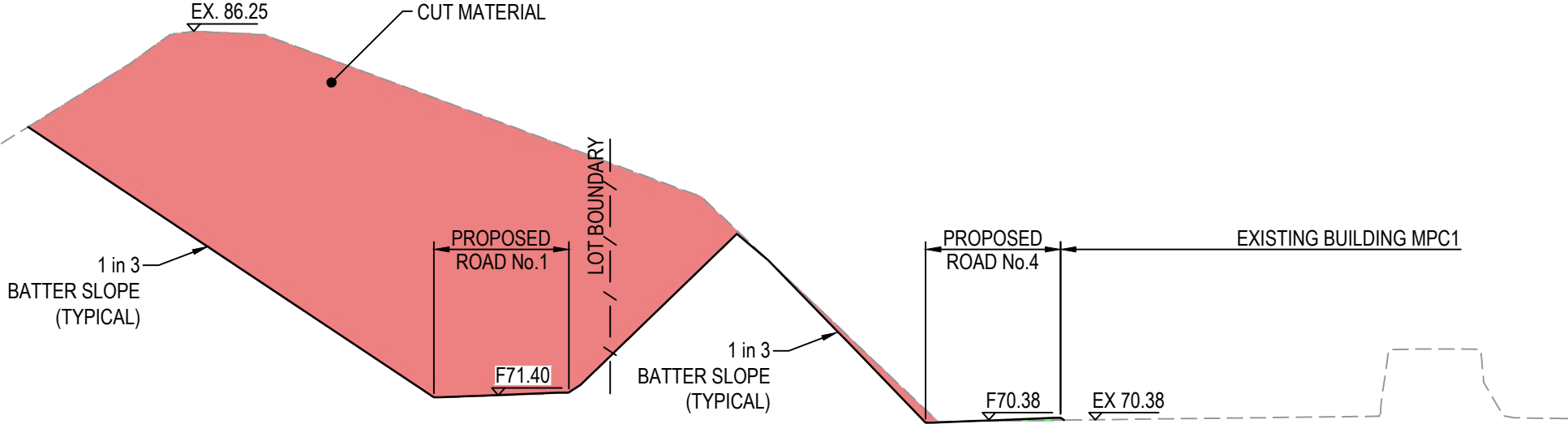
SSD 11606719

Project	EASTERN CREEK RECYCLING ECOLOGY PARK THROUGHPUT INCREASE
Title	GENERAL ARRANGEMENT PLAN

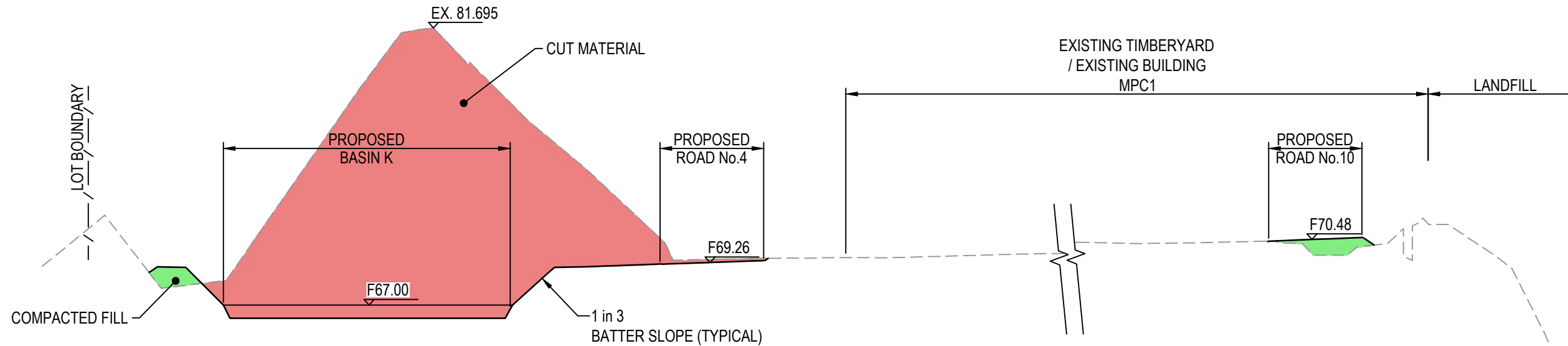
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Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No. 19-692-C302		Issue J



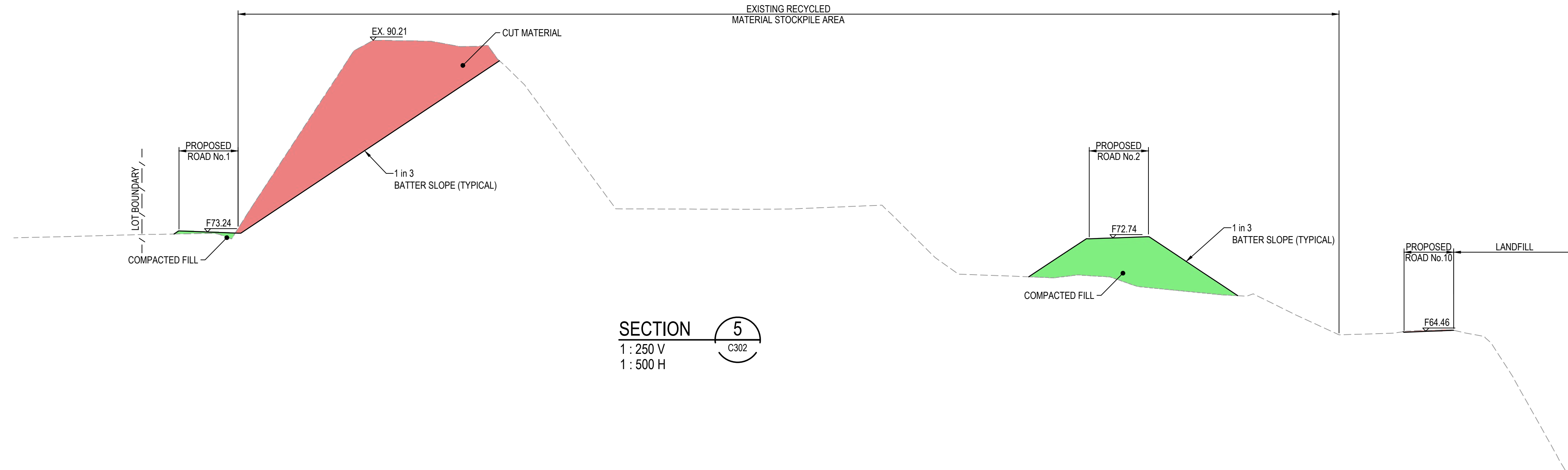
SECTION 1
1 : 250 V
1 : 500 H



SECTION 2
1 : 250 V
1 : 500 H

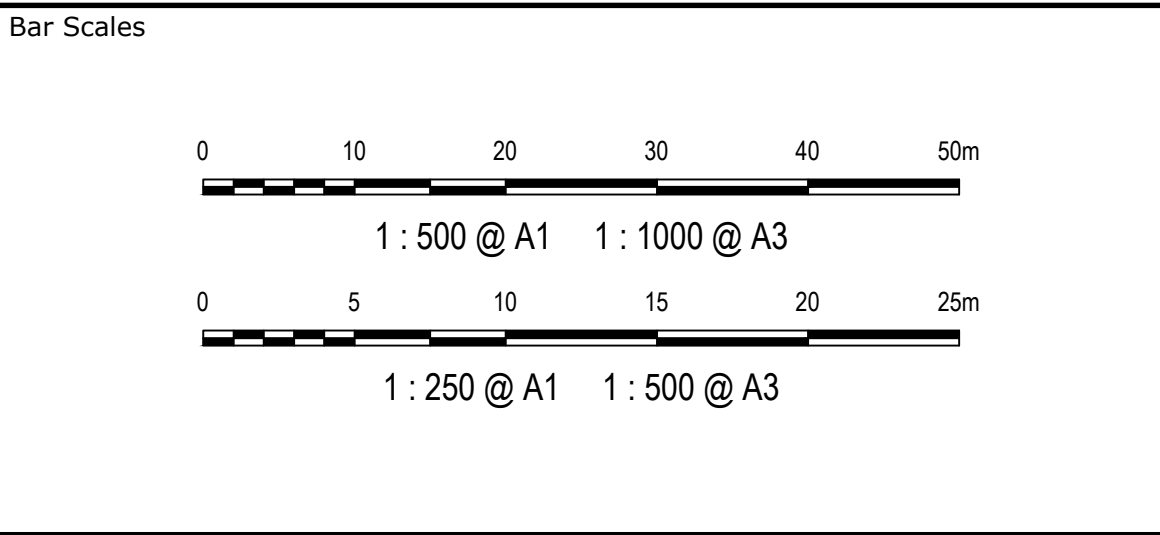


SECTION 3
1 : 250 V
1 : 500 H



SECTION 5
1 : 250 V
1 : 500 H

B	EX LEVELS ADDED.	28/04/22
A	ISSUED FOR SSD	19/11/21
Issue	Description	Date



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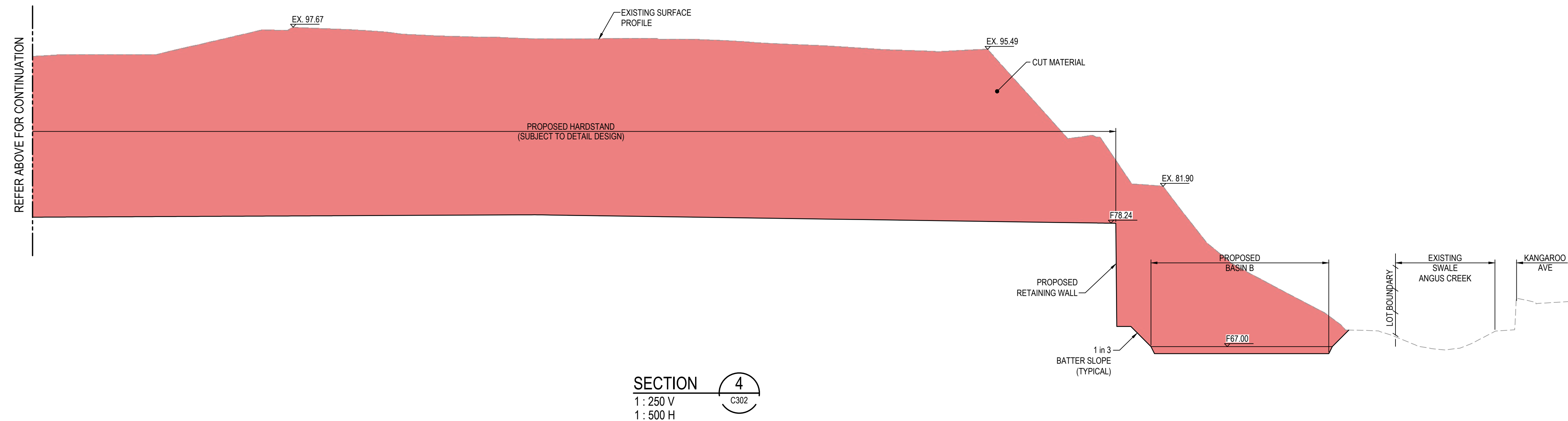
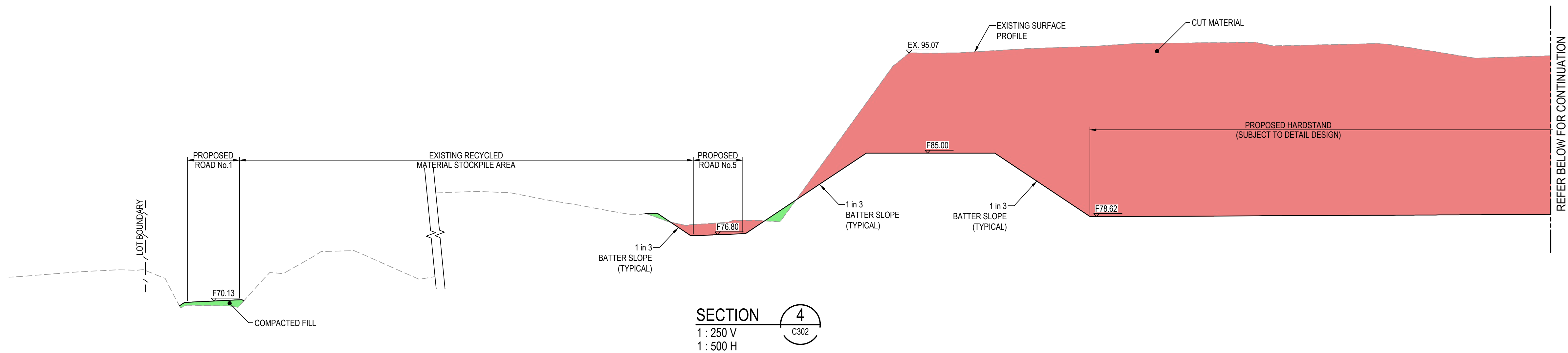
Scales	AS SHOWN	Drawn	JD
		Designed	JD
Grid	MGA94	Checked	
Height Datum	AHD	Approved	
SSD 11606719			

Project	EASTERN CREEK RECYCLING ECOLOGY PARK THROUGHPUT INCREASE	
Title	TYPICAL SITE SECTIONS SHEET 1	

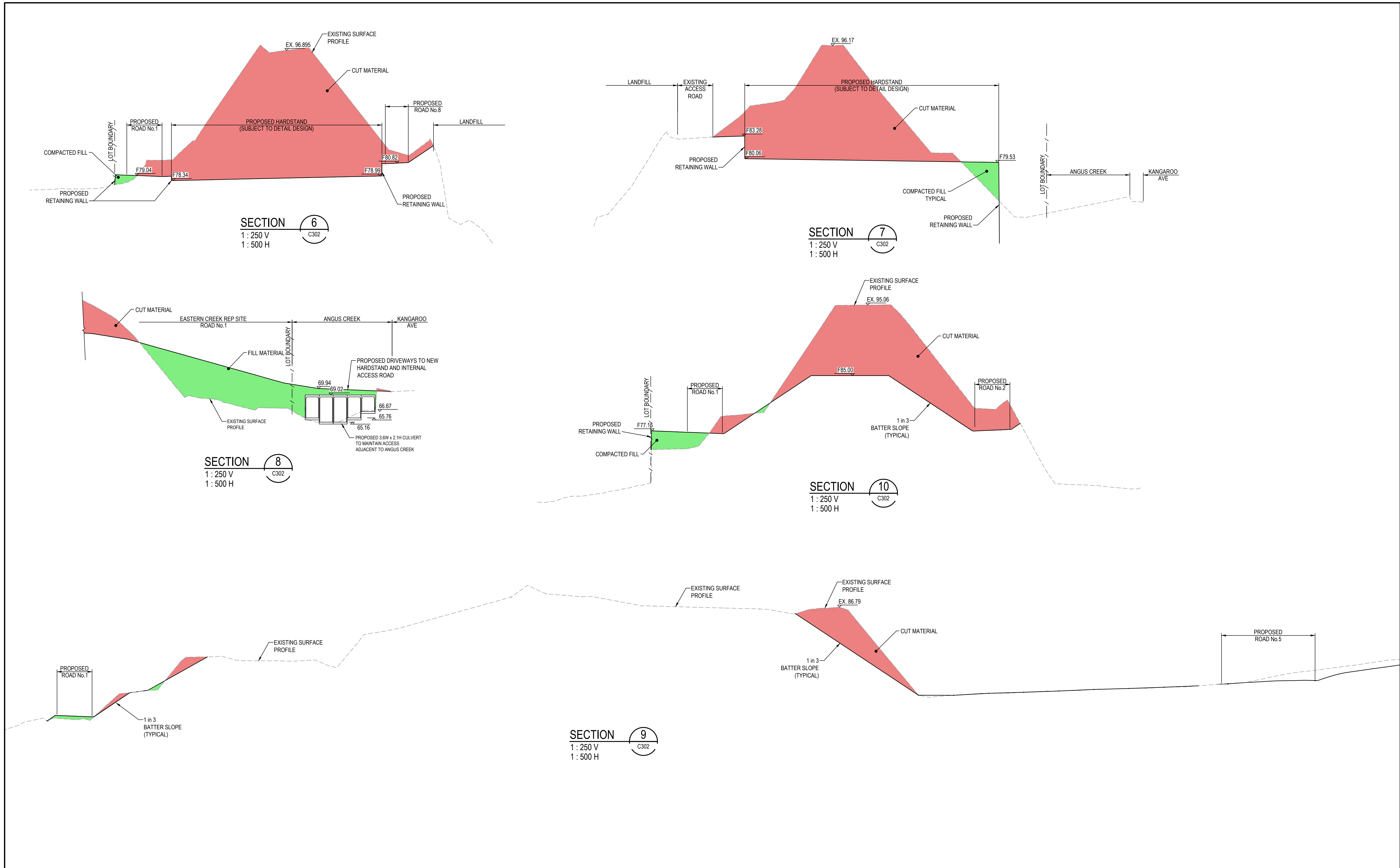
Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

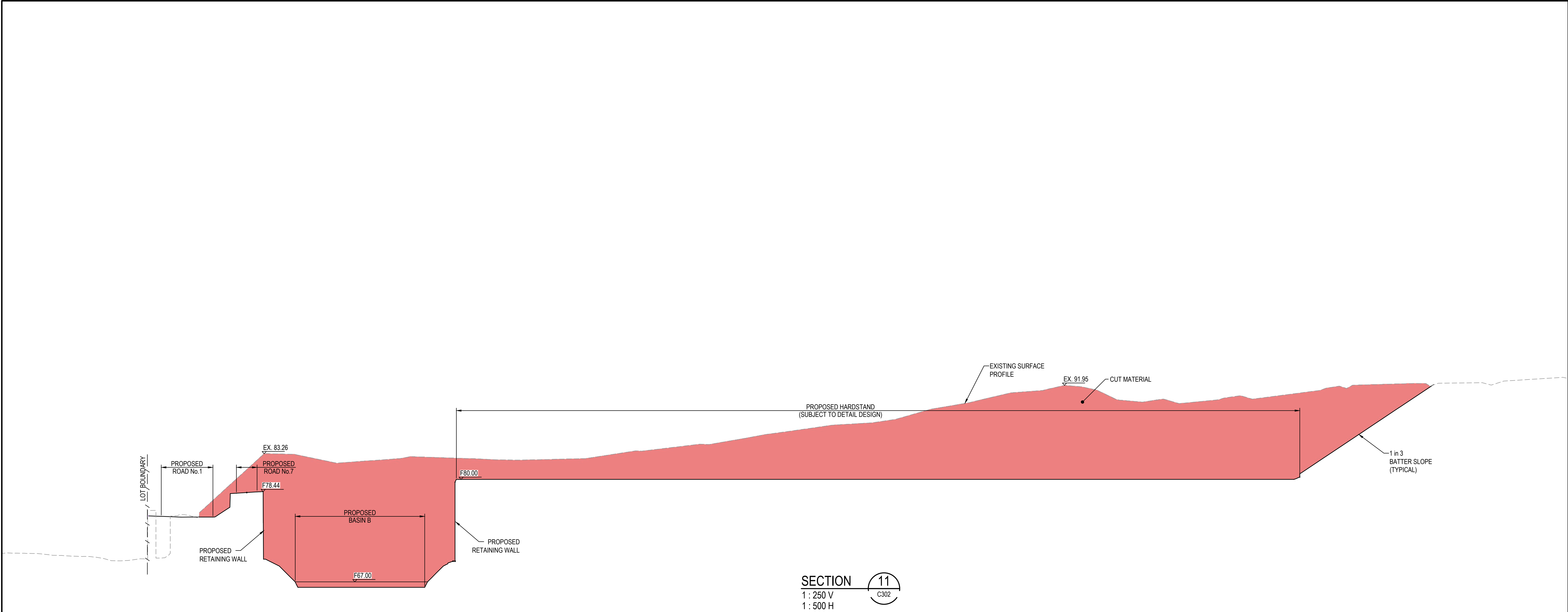
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	19-692-C305	Issue B



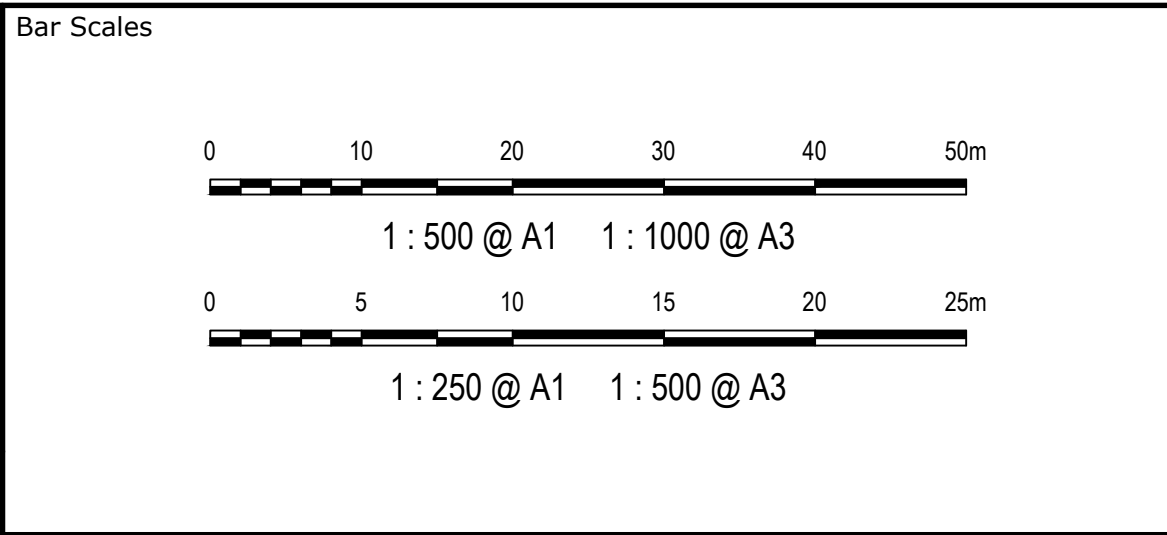
			Bar Scales		<p>THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L</p> <p>BINGO INDUSTRIES</p>	Client	Scales		Drawn	JD	Project EASTERN CREEK RECYCLING ECOLOGY PARK THROUGHPUT INCREASE	Civil Engineers and Project Managers						
							AS SHOWN		Designed	JD		<p>Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au</p>	Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1				
							Grid	MGA94	Checked									
							Height Datum	AHD	Approved									
							SSD 11606719											
									Title		TYPICAL SITE SECTIONS SHEET 2							
											Project - Drawing No. 19-692-C306							
											Issue B							
Issue			Description		Date													
B			EX LEVELS ADDED.		28/04/22													
A			ISSUED FOR SSD		19/11/21													



		Bar Scales		<p>THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L</p>	<p>Client</p> <p>BINGO INDUSTRIES</p>	Scales		Drawn	JD	<p>Project</p> <p>EASTERN CREEK RECYCLING ECOLOGY PARK THROUGHPUT INCREASE</p>	<p>Civil Engineers and Project Managers</p> <p>at&l</p> <p>Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au</p>		
						AS SHOWN	Designed	JD					
						Grid	MGA94	Checked					
						Height Datum	AHD	Approved					
B		SECTIONS ADDED. EX LEVELS ADDED.				SSD 11606719		<p>Title</p> <p>TYPICAL SITE SECTIONS SHEET 3</p>		Status		<p>FOR APPROVAL</p> <p>NOT TO BE USED FOR CONSTRUCTION</p>	<p>A1</p>
A		ISSUED FOR SSD								Project - Drawing No.		Issue	
Issue		Description				19-692-C307				B			
		Date											



B	SECTION REMOVED	13/05/22
A	ISSUED FOR INFORMATION	28/04/22
Issue	Description	Date



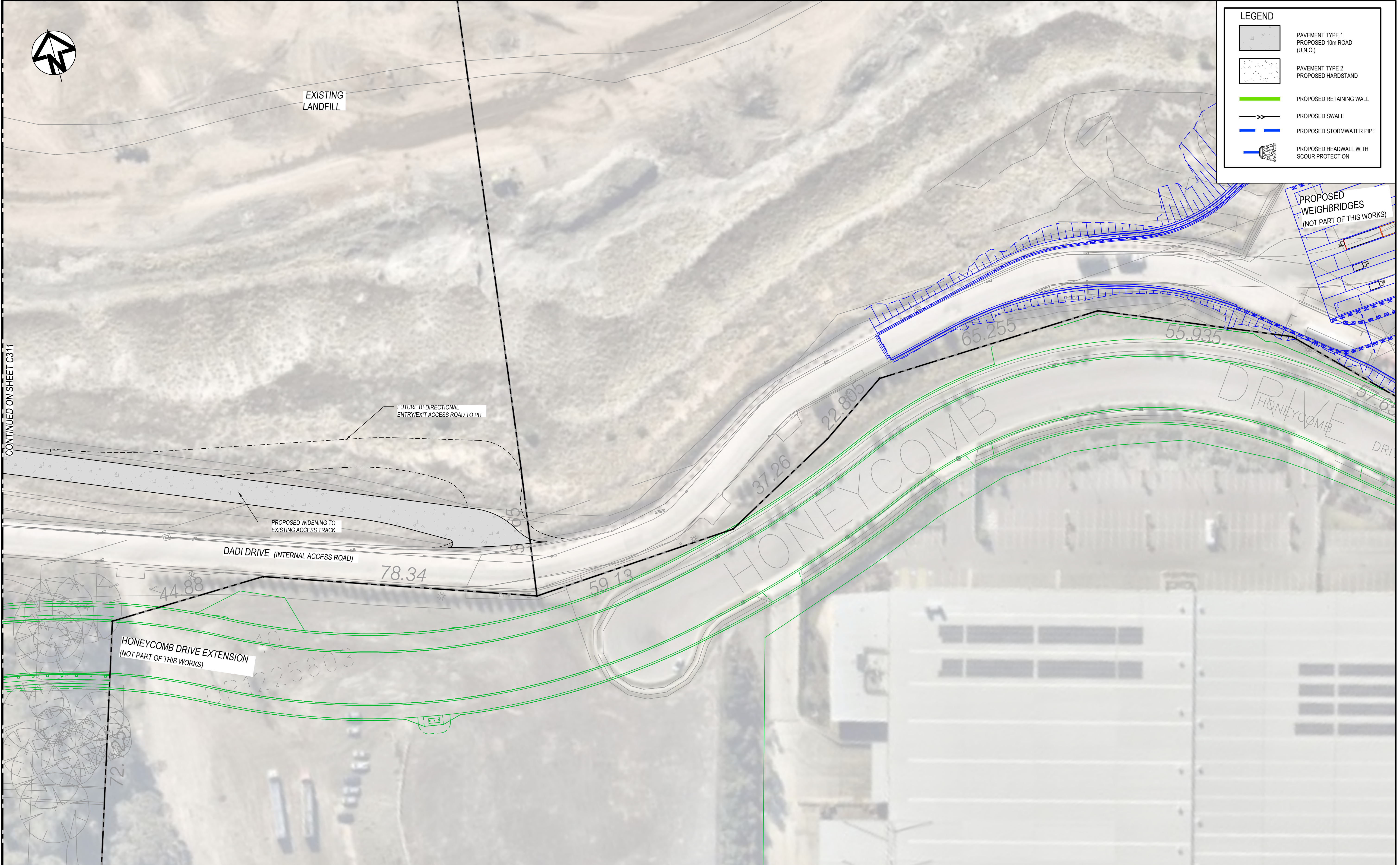
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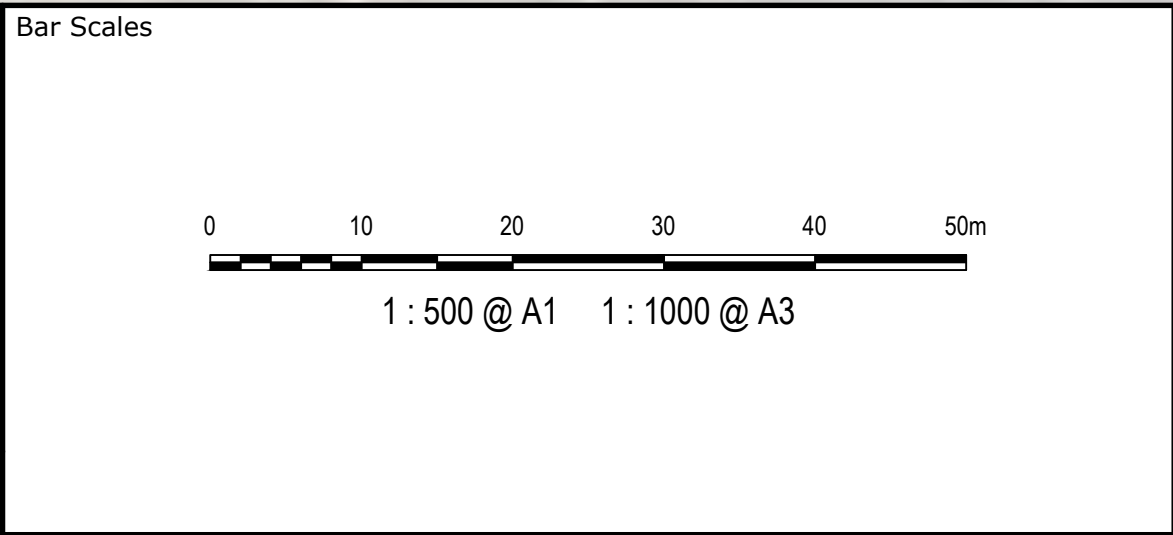
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Grid	MGA94	Checked	
Height Datum	AHD	Approved	
SSD 11606719			

Project	EASTERN CREEK RECYCLING ECOLOGY PARK THROUGHPUT INCREASE
Title	TYPICAL SITE SECTIONS SHEET 3

Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	19-692-C308	Issue B



E	ISSUED FOR SSD	19/11/21
D	LAYOUT UPDATED	30/09/21
C	WEIGHBRIDGES REVISED	08/09/21
B	CLIENT COMMENTS INCORPORATED	03/09/21
A	ISSUED FOR INFORMATION	27/08/21
Issue	Description	Date



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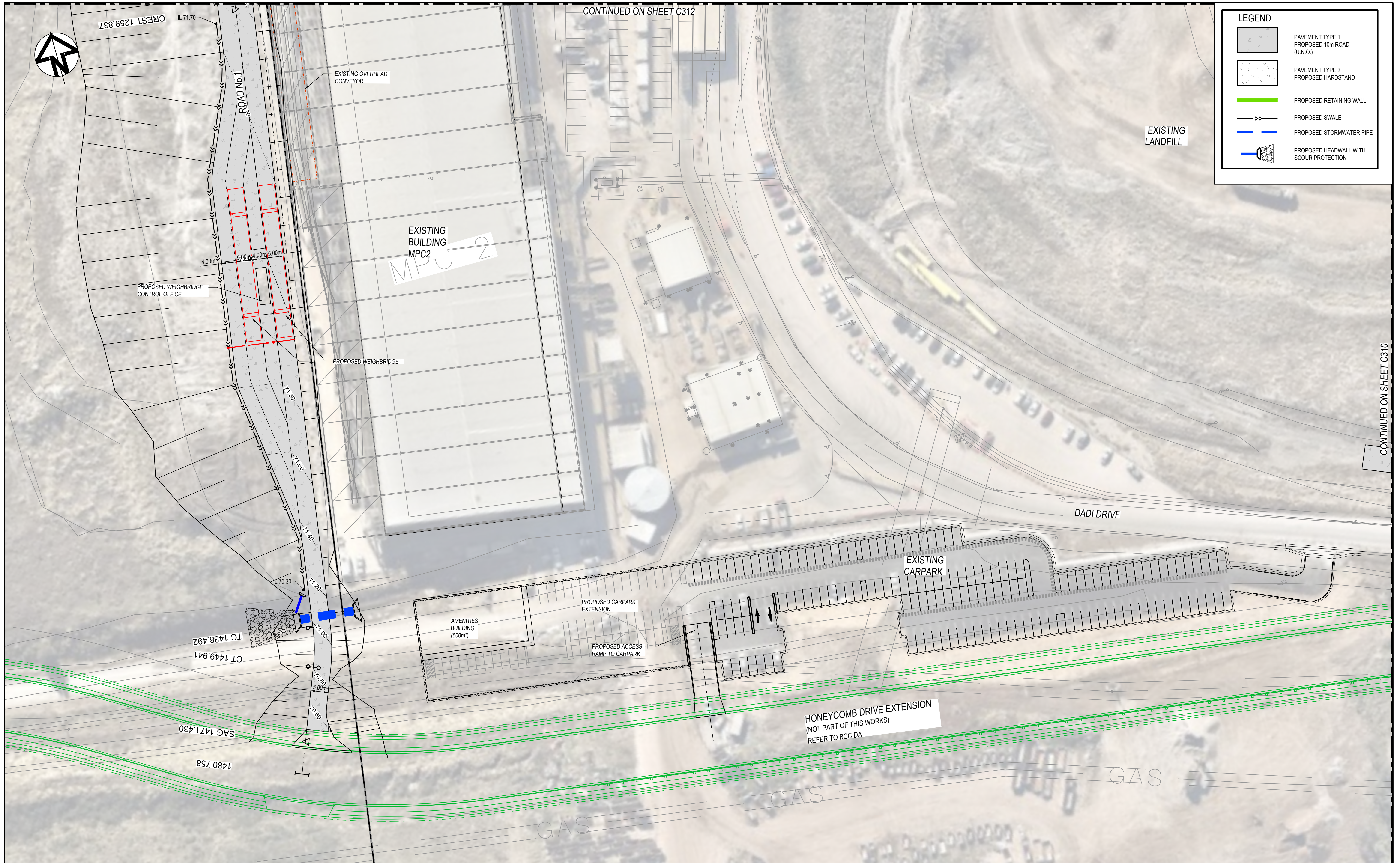
Scales	1:500	Drawn	JD
		Designed	JD
Grid	MGA94	Checked	
Height Datum	AHD	Approved	
SSD 11606719			

Project	EASTERN CREEK RECYCLING ECOLOGY PARK THROUGHPUT INCREASE
Title	ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 1

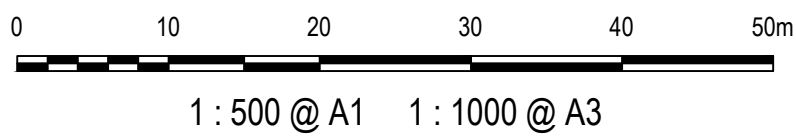
Civil Engineers and Project Managers

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North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	19-692-C310	Issue
		E



Issue	Description	Date
H	AMENITIES BUILDING AND CARPARK UPDATED	25/01/22
G	ISSUED FOR SSD	19/11/21
F	PLANS UPDATED	04/11/21
E	CLIENT COMMENTS INCORPORATED. MPC2 CONVEYORS ADDED	15/10/21
D	LAYOUT UPDATED	30/09/21
C	WEIGHBRIDGES REVISED	08/09/21
B	CLIENT COMMENTS INCORPORATED	03/09/21
A	ISSUED FOR INFORMATION	27/08/21

Bar Scales	
	
100mm on Original	

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Client

BINGO
INDUSTRIES

Scales	1:500	Drawn	JD
		Designed	JD
Grid	MGA94	Checked	
Height Datum	AHD	Approved	
SSD 11606719			

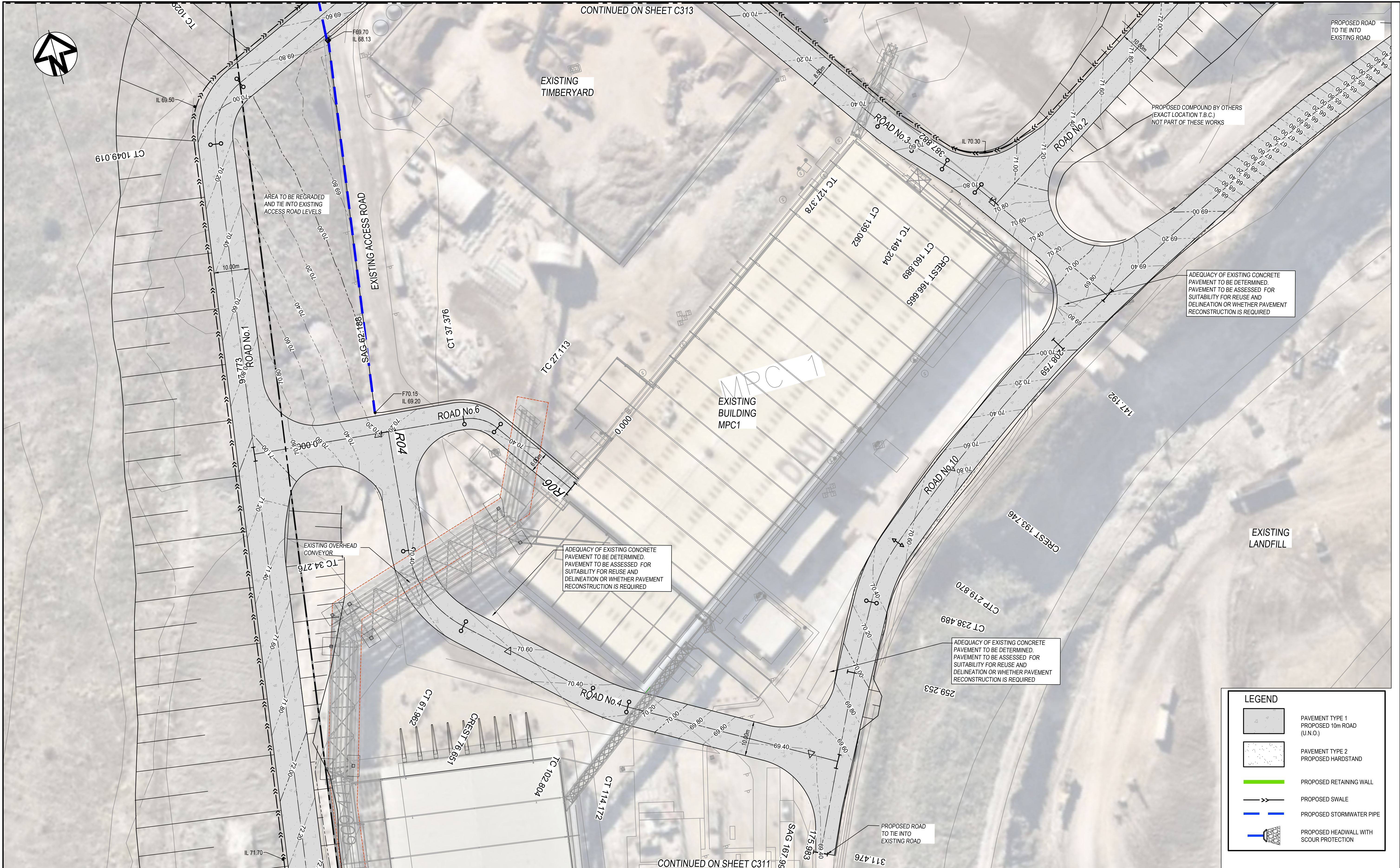
Project	EASTERN CREEK RECYCLING ECOLOGY PARK THROUGHPUT INCREASE
Title	ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 2

Civil Engineers and Project Managers

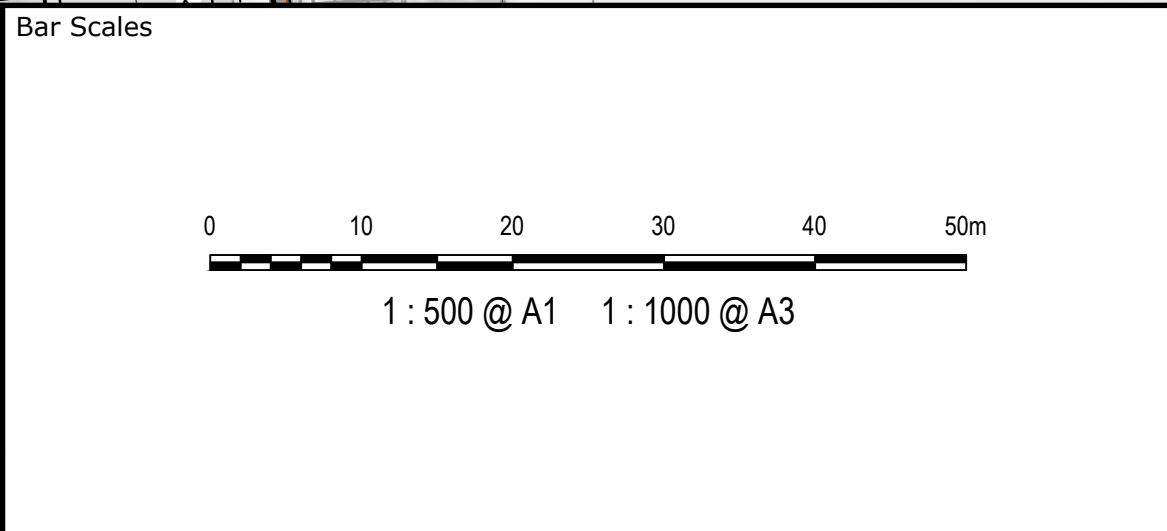
at&l

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North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	19-692-C311	Issue H



G	ISSUED FOR SSD	19/11/21
F	PLANS UPDATED	04/11/21
E	CLIENT COMMENTS INCORPORATED. COMPUND ADDED.	25/10/21
D	CLIENT COMMENTS INCORPORATED. ROAD 2 UPDATED. MCP2 LOADING DOCKS ADDED	15/10/21
C	LAYOUT UPDATED	30/09/21
B	CLIENT COMMENTS INCORPORATED	03/09/21
A	ISSUED FOR INFORMATION	27/08/21
Issue	Description	Date



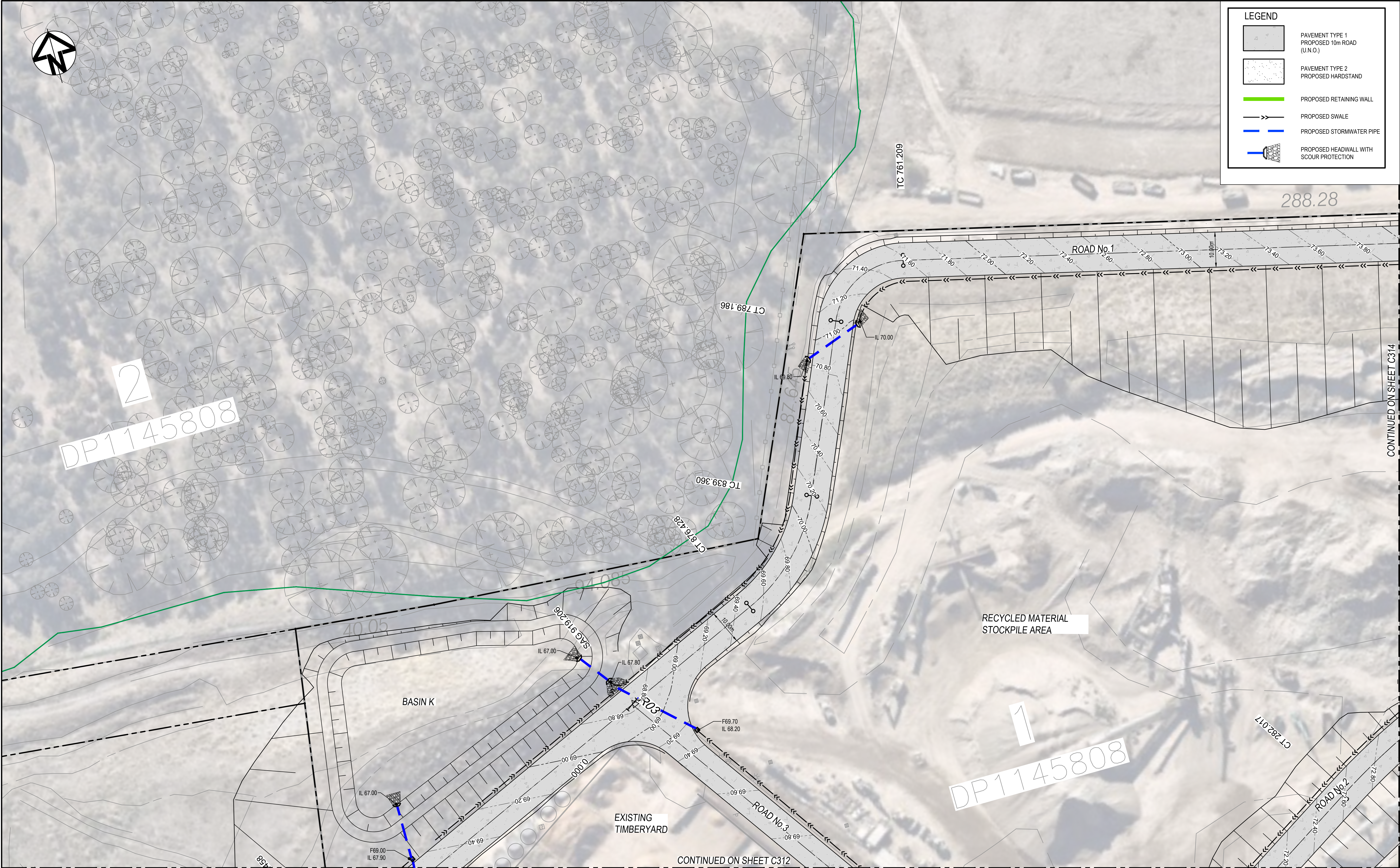
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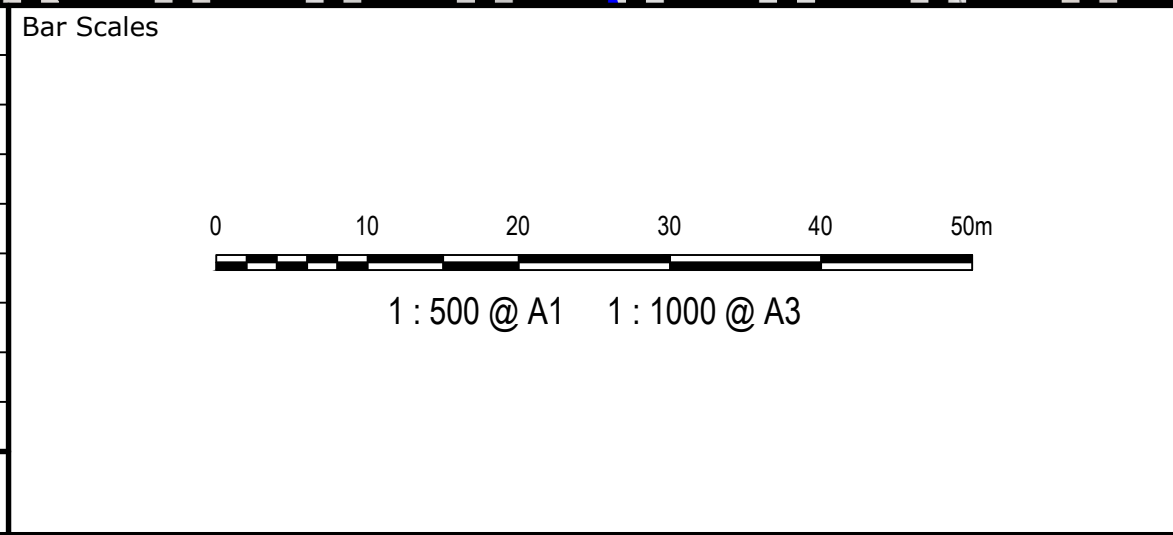
Scales	1:500	Drawn	JD
		Designed	JD
Grid	MGA94	Checked	
Height Datum	AHD	Approved	
SSD 11606719			

Project	EASTERN CREEK RECYCLING ECOLOGY PARK THROUGHPUT INCREASE
Title	ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 3

Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	19-692-C312	Issue G



Issue	Description	Date
F	ISSUED FOR SSD	19/11/21
E	PLANS UPDATED	04/11/21
D	CLIENT COMMENTS INCORPORATED	15/10/21
C	LAYOUT UPDATED	30/09/21
B	CLIENT COMMENTS INCORPORATED	03/09/21
A	ISSUED FOR INFORMATION	27/08/21



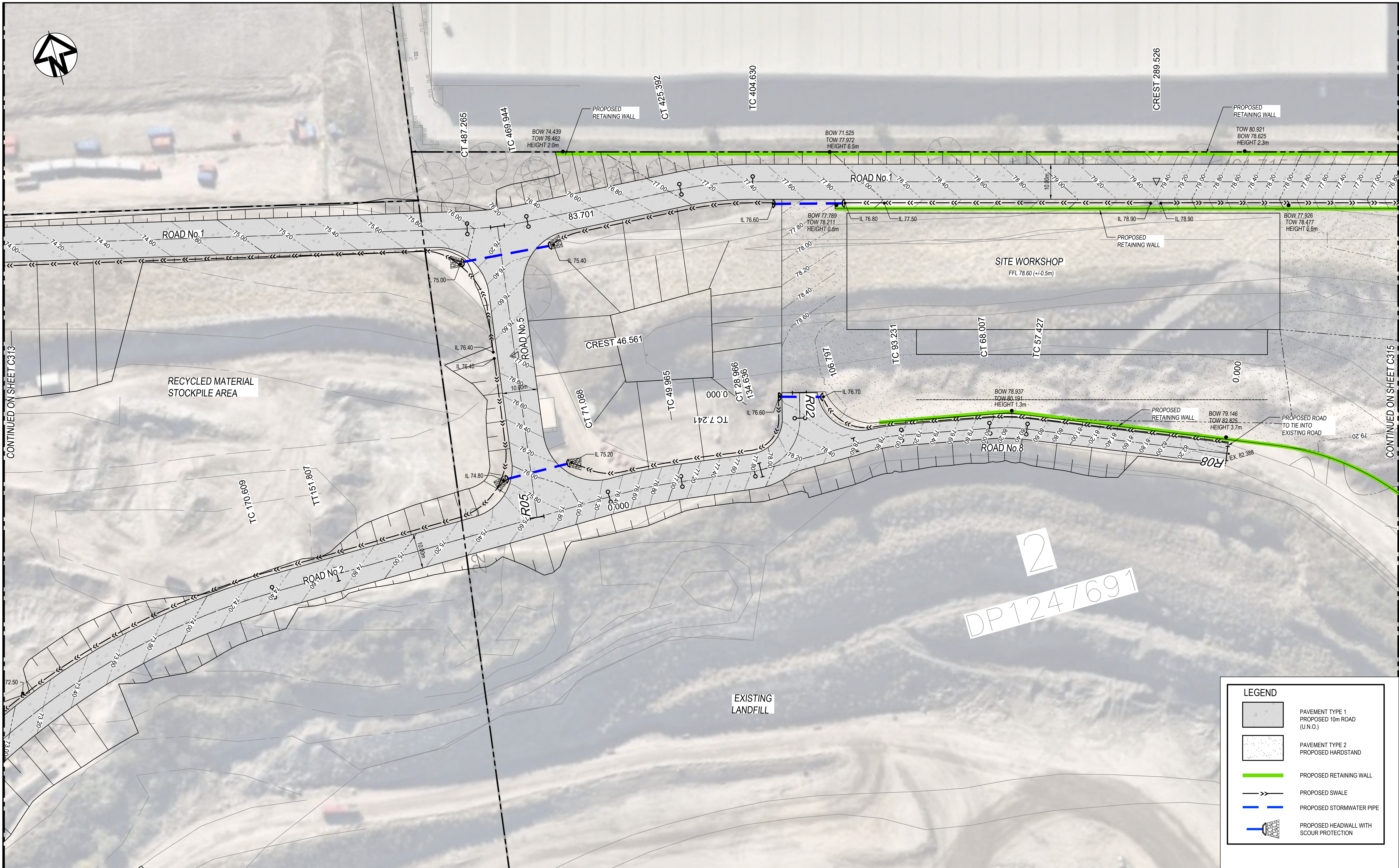
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L



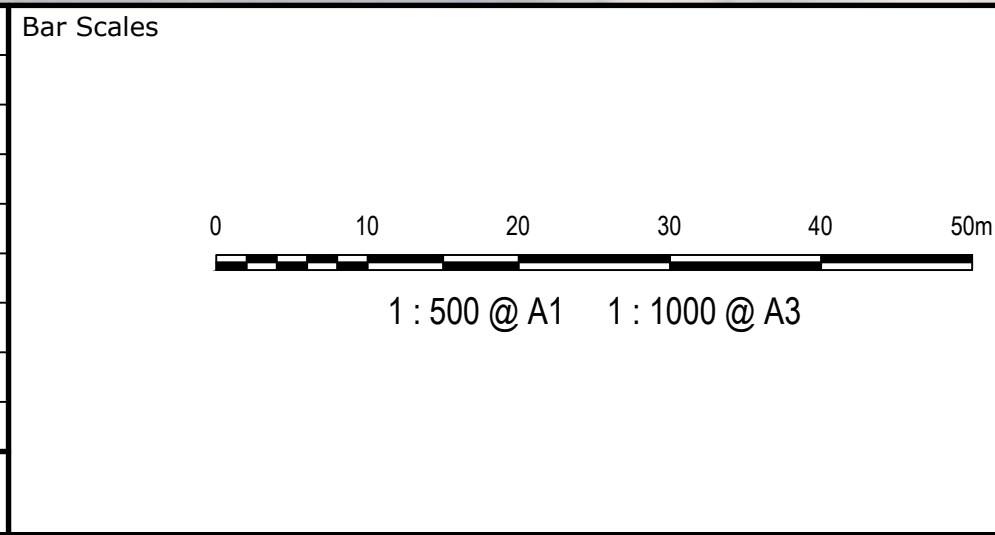
Scales	1:500	Drawn	JD
		Designed	JD
Grid	MGA94	Checked	
Height Datum	AHD	Approved	
SSD 11606719			

Project	EASTERN CREEK RECYCLING ECOLOGY PARK THROUGHPUT INCREASE
Title	ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 4

Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	19-692-C313	Issue F



Issue	Description	Date
G	CONTOURS UPDATED	28/04/22
F	ISSUED FOR SSD	19/11/21
E	PLANS UPDATED	04/11/21
D	CLIENT COMMENTS INCORPORATED, APPROX. LEVELS ADDED, RETAINING WALL UPDATED	15/10/21
C	LAYOUT UPDATED	30/09/21
B	CLIENT COMMENTS INCORPORATED	03/09/21
A	ISSUED FOR INFORMATION	27/08/21



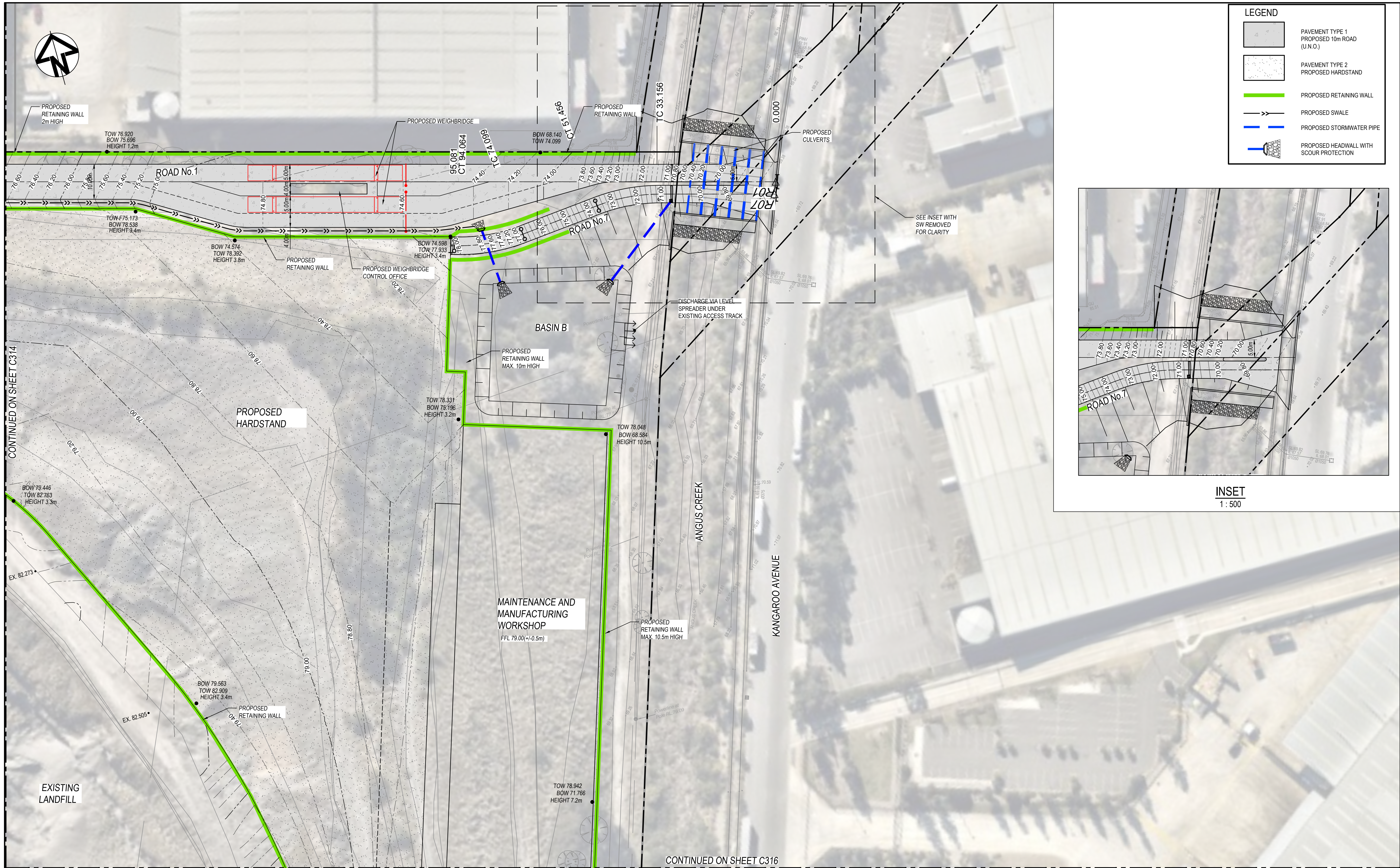
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Scales	1:500	Drawn	JD
		Designed	JD
Grid	MGA94	Checked	
Height Datum	AHD	Approved	
SSD 11606719			

Project	EASTERN CREEK RECYCLING ECOLOGY PARK THROUGHPUT INCREASE
Title	ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 5

Civil Engineers and Project Managers		
at&l		
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	19-692-C314	Issue G



LEGEND

PAVEMENT TYPE 1
PROPOSED 10m ROAD
(U.N.O.)

PAVEMENT TYPE 2
PROPOSED HARDSTAND

PROPOSED RETAINING WALL

PROPOSED SWALE

PROPOSED STORMWATER PIPE

PROPOSED HEADWALL WITH
SCOUR PROTECTION

INSET
1 : 500

I	CONTOURS UPDATED	28/04/22
H	ISSUED FOR SSD	19/11/21
G	PLANS UPDATED	04/11/21
F	CLIENT COMMENTS INCORPORATED.	25/10/21
E	CLIENT COMMENTS INCORPORATED. APPROX. LEVELS ADDED.	15/10/21
D	LAYOUT UPDATED	30/09/21
C	WEIGHBRIDGES REVISED	08/09/21
B	CLIENT COMMENTS INCORPORATED	03/09/21
A	ISSUED FOR INFORMATION	27/08/21
Issue	Description	Date

Bar Scales

01020304050m

1 : 500 @ A1 1 : 1000 @ A3

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Client

Scales	1:500	Drawn	JD
		Designed	JD
Grid	MGA94	Checked	
Height Datum	AHD	Approved	
SSD 11606719			

Project	EASTERN CREEK RECYCLING ECOLOGY PARK THROUGHPUT INCREASE
Title	ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 6

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status

FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

Project - Drawing No.

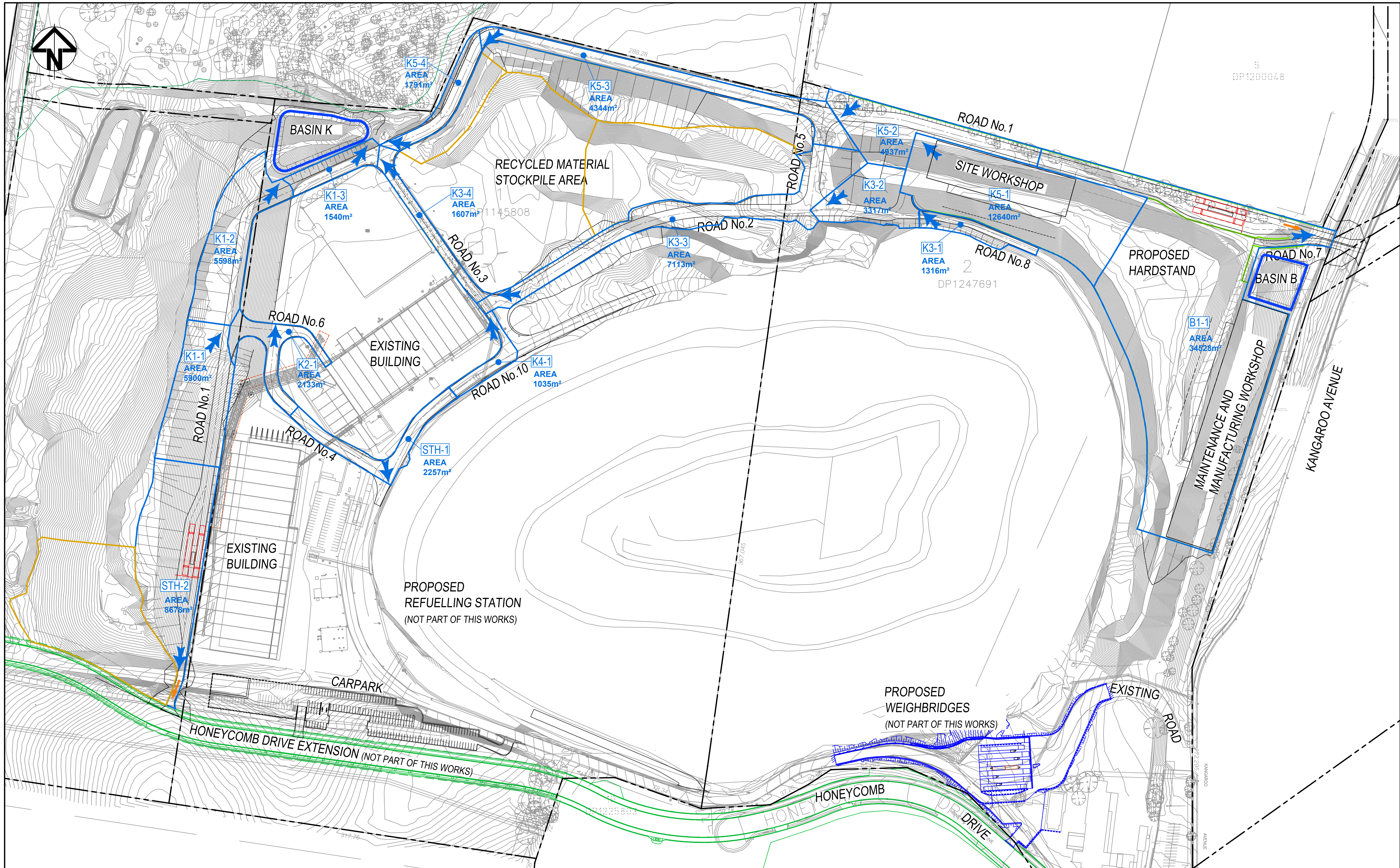
19-692-C315

Issue

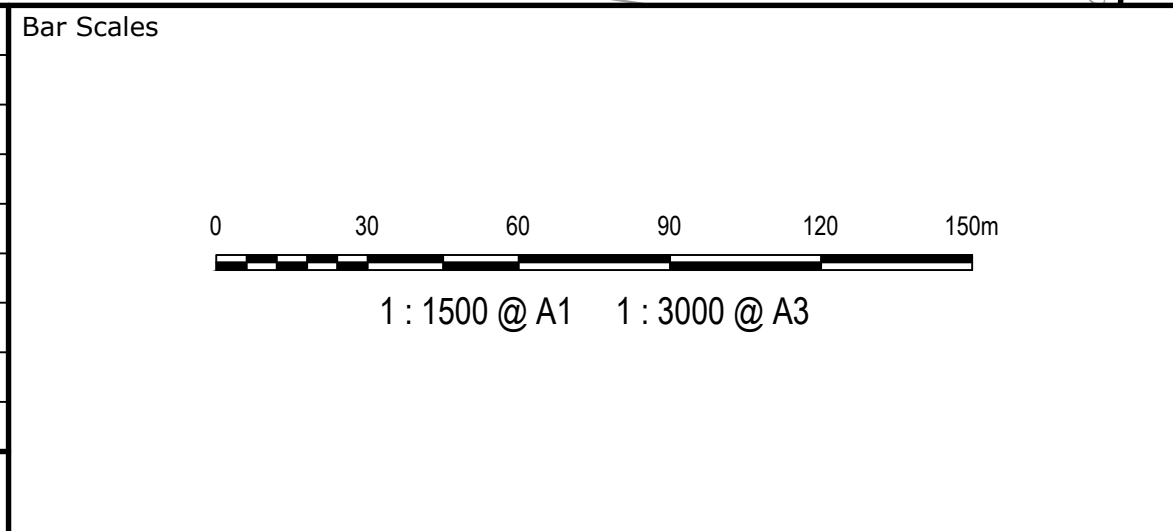
I

A1

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A	ISSUED FOR SSD		19/11/21
Issue	Description		Date



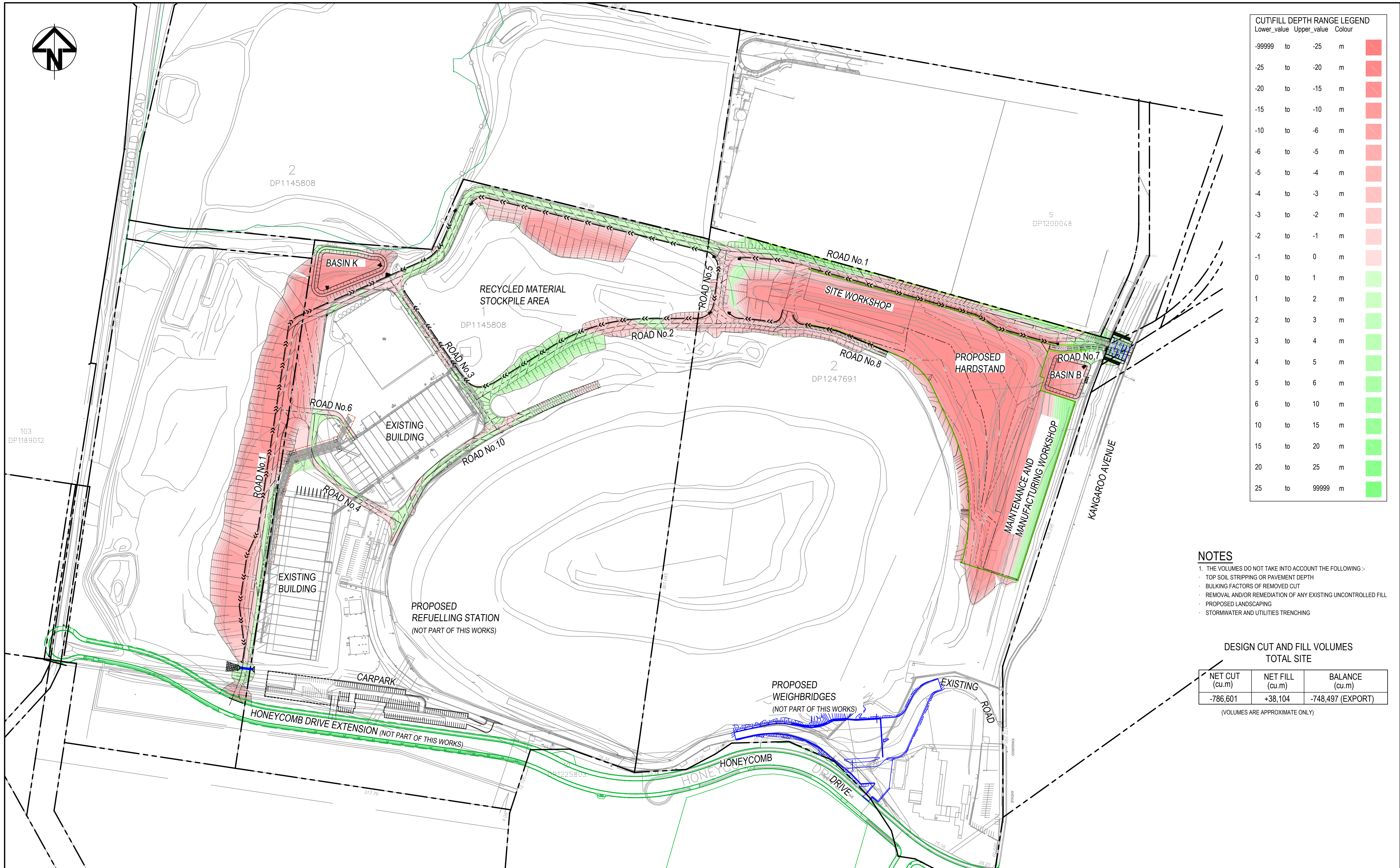
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Scales	1:1500	Drawn	JD
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Grid	MGA94	Checked	
Height Datum	AHD	Approved	
SSD 11606719			

Project	EASTERN CREEK RECYCLING ECOLOGY PARK THROUGHPUT INCREASE
Title	STORMWATER CATCHMENT PLAN

Civil Engineers and Project Managers	
at&l	
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au	
Status	FOR APPROVAL
Project - Drawing No.	19-692-C317
Issue	A



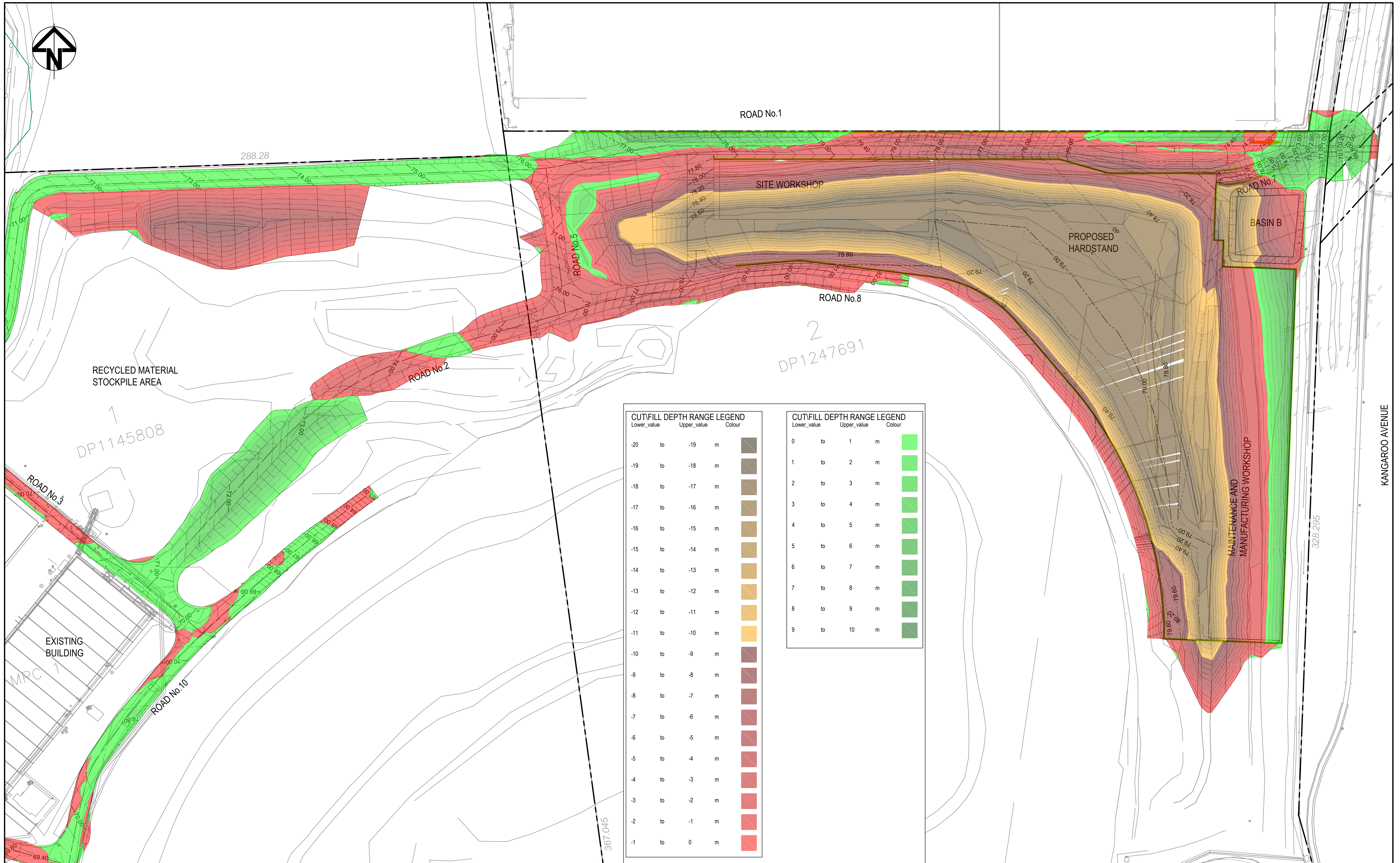
CUT/FILL DEPTH RANGE LEGEND				
Lower_value	Upper_value	Colour		
-99999	to	-25	m	
-25	to	-20	m	
-20	to	-15	m	
-15	to	-10	m	
-10	to	-6	m	
-6	to	-5	m	
-5	to	-4	m	
-4	to	-3	m	
-3	to	-2	m	
-2	to	-1	m	
-1	to	0	m	
0	to	1	m	
1	to	2	m	
2	to	3	m	
3	to	4	m	
4	to	5	m	
5	to	6	m	
6	to	10	m	
10	to	15	m	
15	to	20	m	
20	to	25	m	
25	to	99999	m	

- NOTES**
- THE VOLUMES DO NOT TAKE INTO ACCOUNT THE FOLLOWING :-
 - TOP SOIL STRIPPING OR PAVEMENT DEPTH
 - BULKING FACTORS OF REMOVED CUT
 - REMOVAL AND/OR REMEDIATION OF ANY EXISTING UNCONTROLLED FILL
 - PROPOSED LANDSCAPING
 - STORMWATER AND UTILITIES TRENCHING

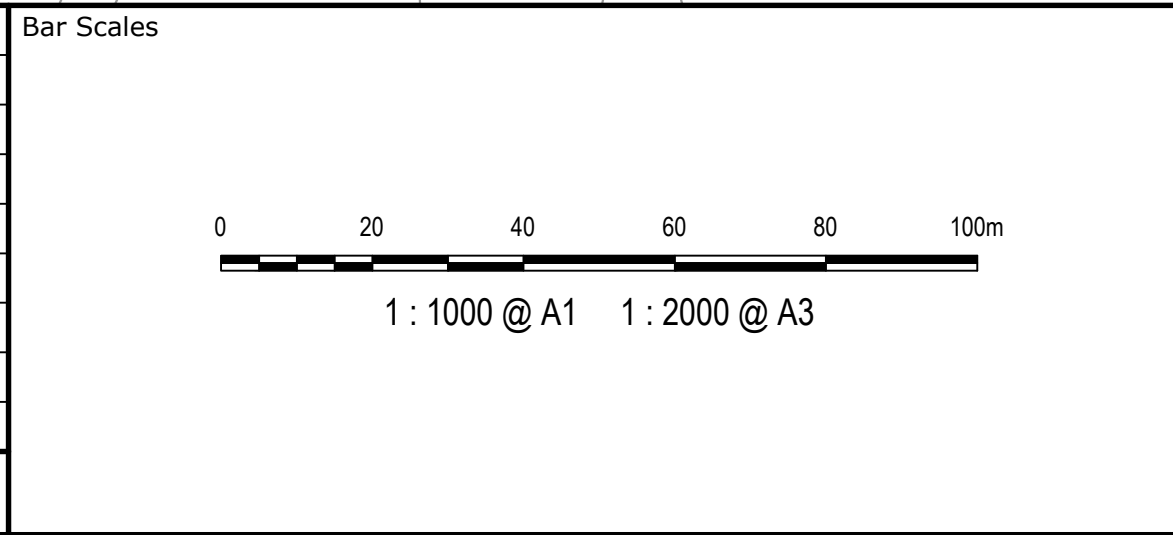
DESIGN CUT AND FILL VOLUMES TOTAL SITE		
NET CUT (cu.m)	NET FILL (cu.m)	BALANCE (cu.m)
-786,601	+38,104	-748,497 (EXPORT)

(VOLUMES ARE APPROXIMATE ONLY)

<div>Bar Scales</div> <div>0 50 100 150 200m</div> <div>1 : 2000 @ A1</div>	<p>THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L</p>	<div>Client</div> <div>BINGO INDUSTRIES</div>	<div>Scale</div> <div>1:2000</div> <div>Grid</div> <div>MGA94</div> <div>Height Datum</div> <div>AHD</div> <div>SSD 11606719</div>	<div>Drawn</div> <div>JD</div> <div>Designed</div> <div>JD</div> <div>Checked</div> <div></div> <div>Approved</div> <div></div>	<div>Project</div> <div>EASTERN CREEK RECYCLING ECOLOGY PARK THROUGHPUT INCREASE</div> <div>Title</div> <div>BULK EARTHWORKS PLAN</div>	<div>Civil Engineers and Project Managers</div> <div>at&l</div> <div>Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au</div> <div>Status</div> <div>FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION</div> <div>Project - Drawing No.</div> <div>19-692-C320</div> <div>Issue</div> <div>B</div>								
<table><tr><th>Issue</th><th>Description</th><th>Date</th></tr><tr><td>B</td><td>LEVELS AND VOLUMES UPDATED</td><td>28/04/22</td></tr><tr><td>A</td><td>ISSUED FOR SSD</td><td>19/11/21</td></tr></table>	Issue	Description	Date	B	LEVELS AND VOLUMES UPDATED	28/04/22	A	ISSUED FOR SSD	19/11/21					
Issue	Description	Date												
B	LEVELS AND VOLUMES UPDATED	28/04/22												
A	ISSUED FOR SSD	19/11/21												



A	ISSUED FOR INFORMATION	28/04/22
Issue	Description	Date



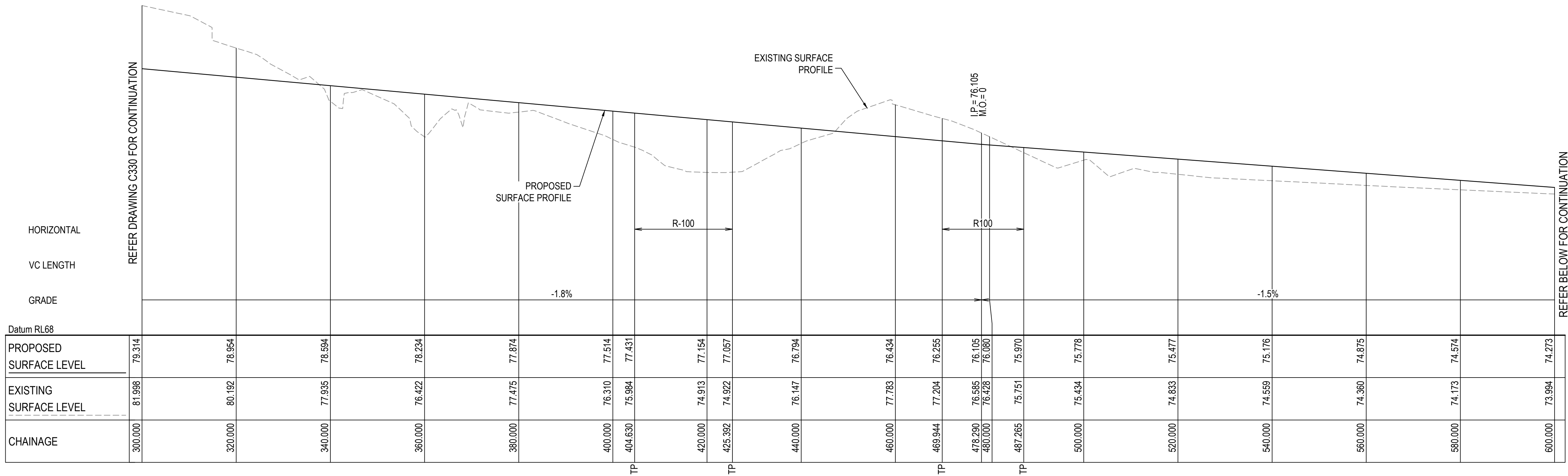
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		Designed	JD
Grid	MGA94	Checked	
Height Datum	AHD	Approved	
SSD 11606719			

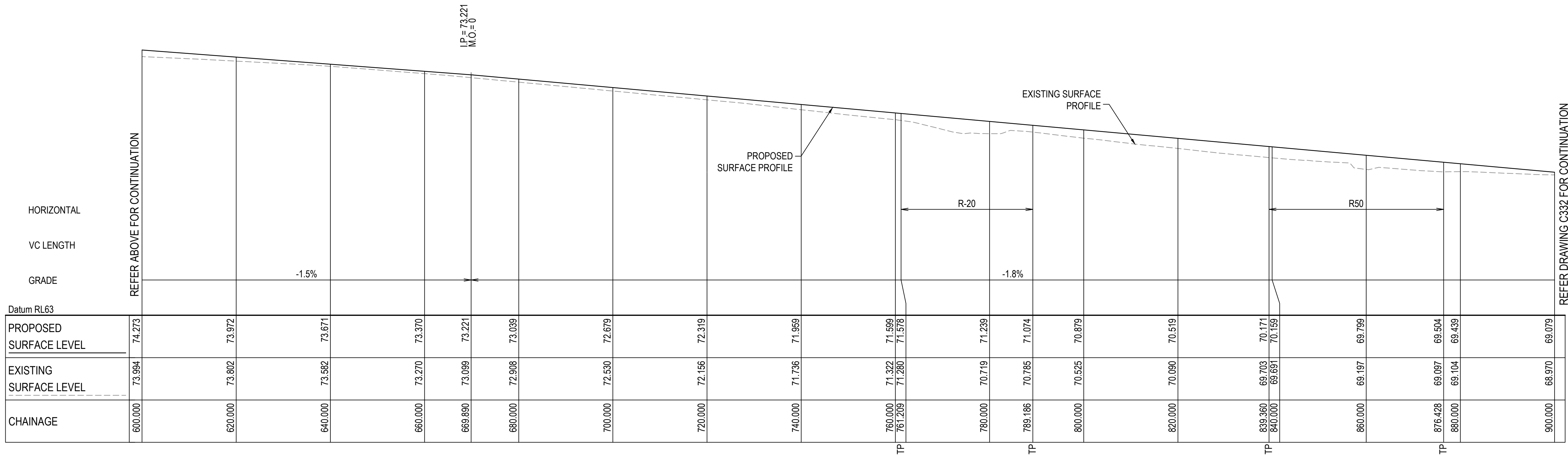
Project	EASTERN CREEK RECYCLING ECOLOGY PARK THROUGHPUT INCREASE
Title	NORTHERN AND EASTERN BERM BULK EARTHWORKS PLAN

Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	19-692-C321	Issue A



ROAD No. 1 (R01) LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:100 VERT.

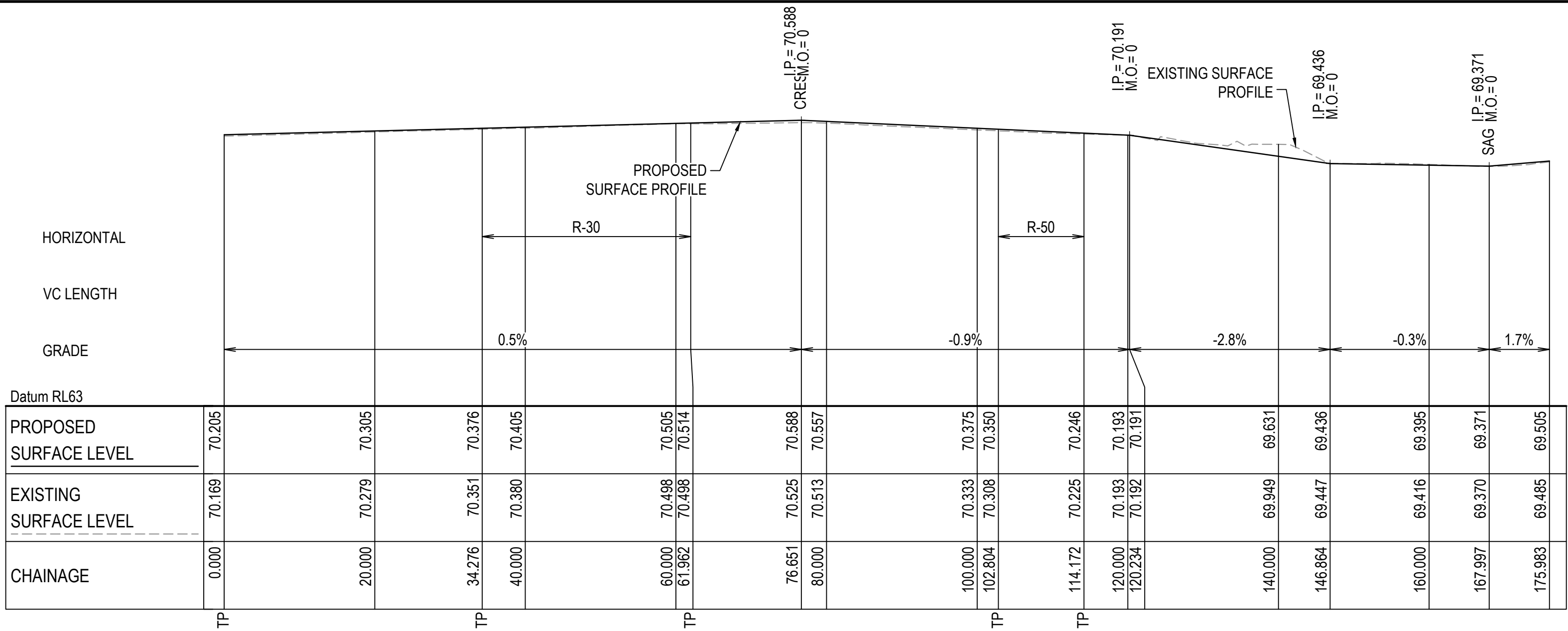


ROAD No. 1 (R01) LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:100 VERT.

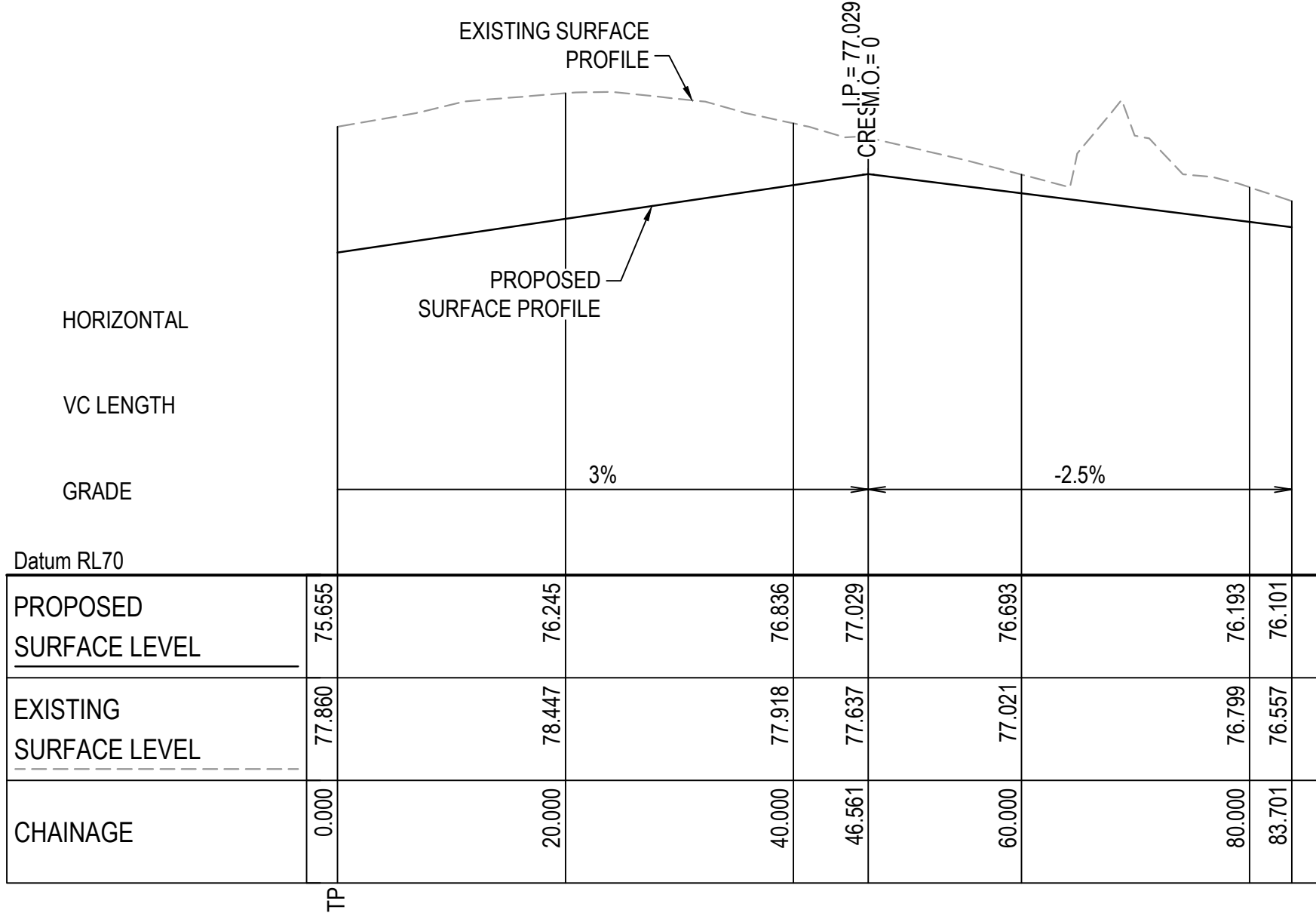
		Bar Scales		THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L	BINGO INDUSTRIES	Scales AS SHOWN Grid MGA94 Height Datum AHD SSD 11606719	Drawn Designed Checked Approved JD JD	Project EASTERN CREEK RECYCLING ECOLOGY PARK THROUGHPUT INCREASE Title ROAD LONGITUDINAL SECTIONS SHEET 2	Civil Engineers and Project Managers at&l Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au	Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION Project - Drawing No. 19-692-C331	A1 Issue A
A	ISSUED FOR SSD	19/11/21									
Issue	Description	Date									

[illegible]



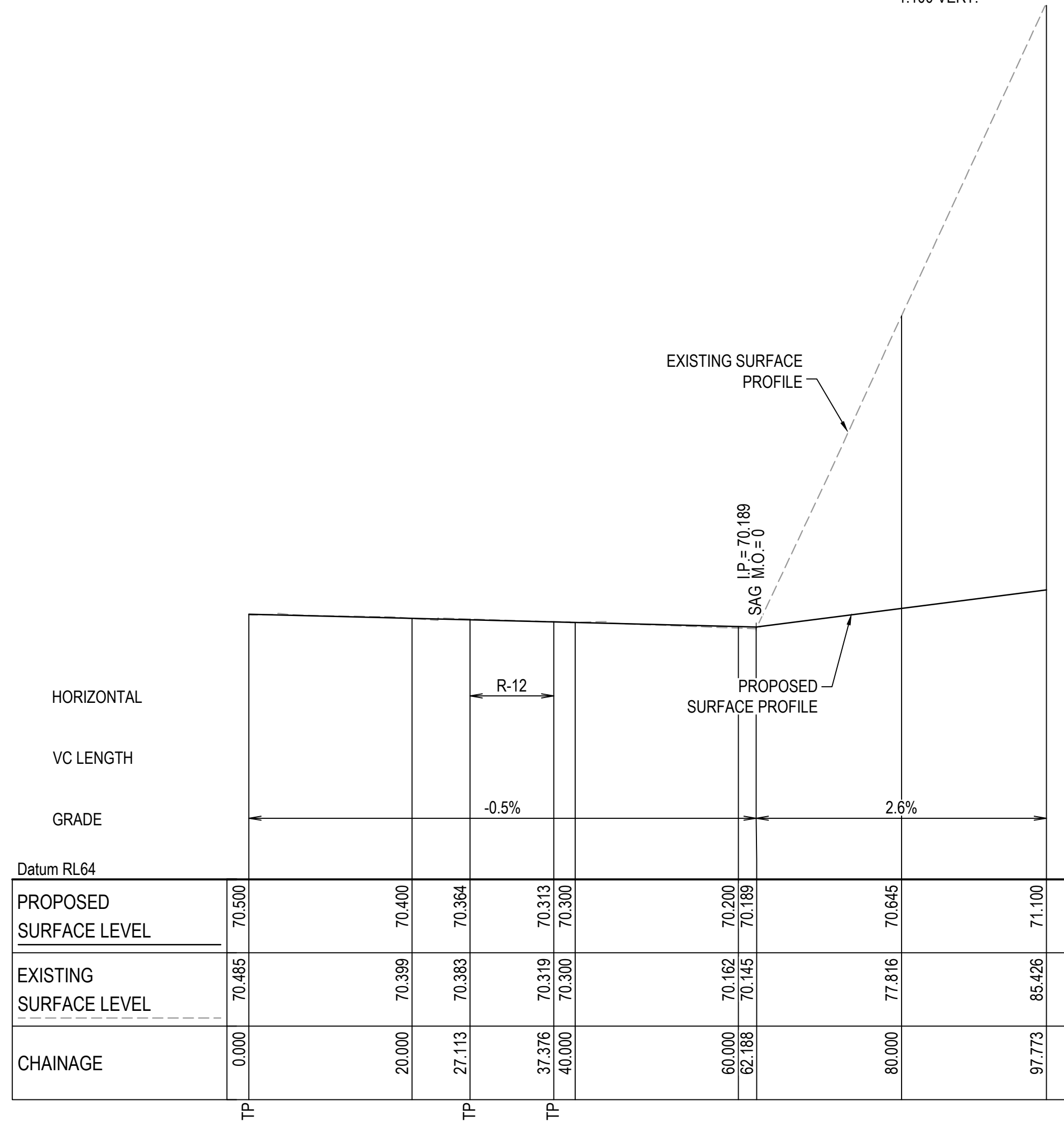
ROAD No. 4 (R04) LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:100 VERT.



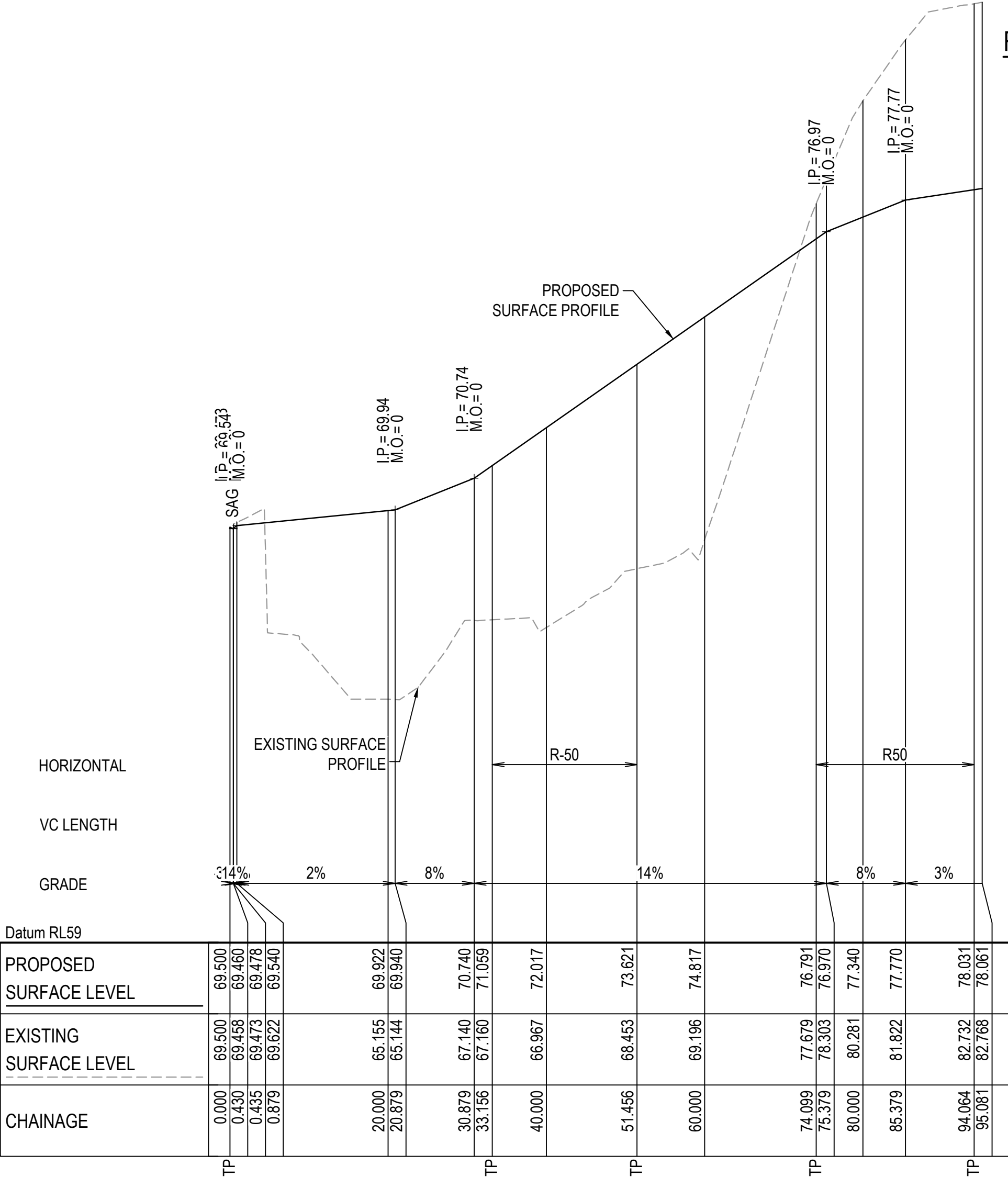
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SCALE 1:500 HORI.
1:100 VERT.



ROAD No. 6 (R06) LONGITUDINAL SECTION

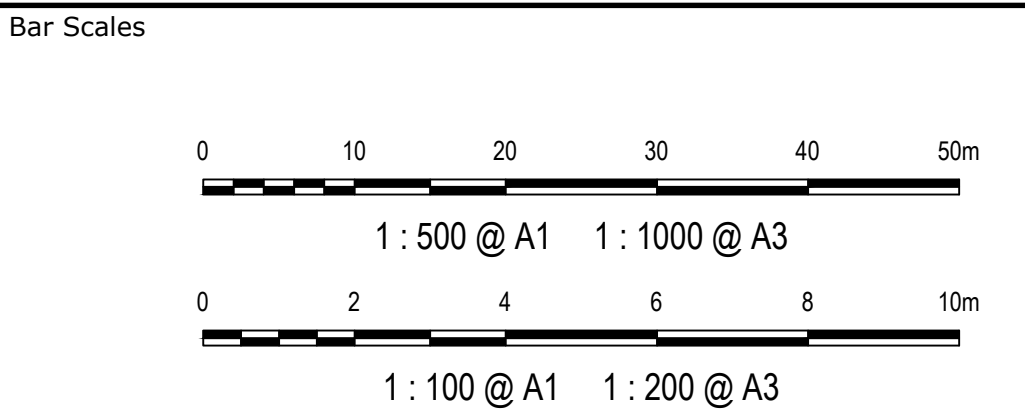
SCALE 1:500 HORI.
1:100 VERT.



ROAD No. 7 (R07) LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:100 VERT.

A	ISSUED FOR SSD	19/11/21
Issue	Description	Date



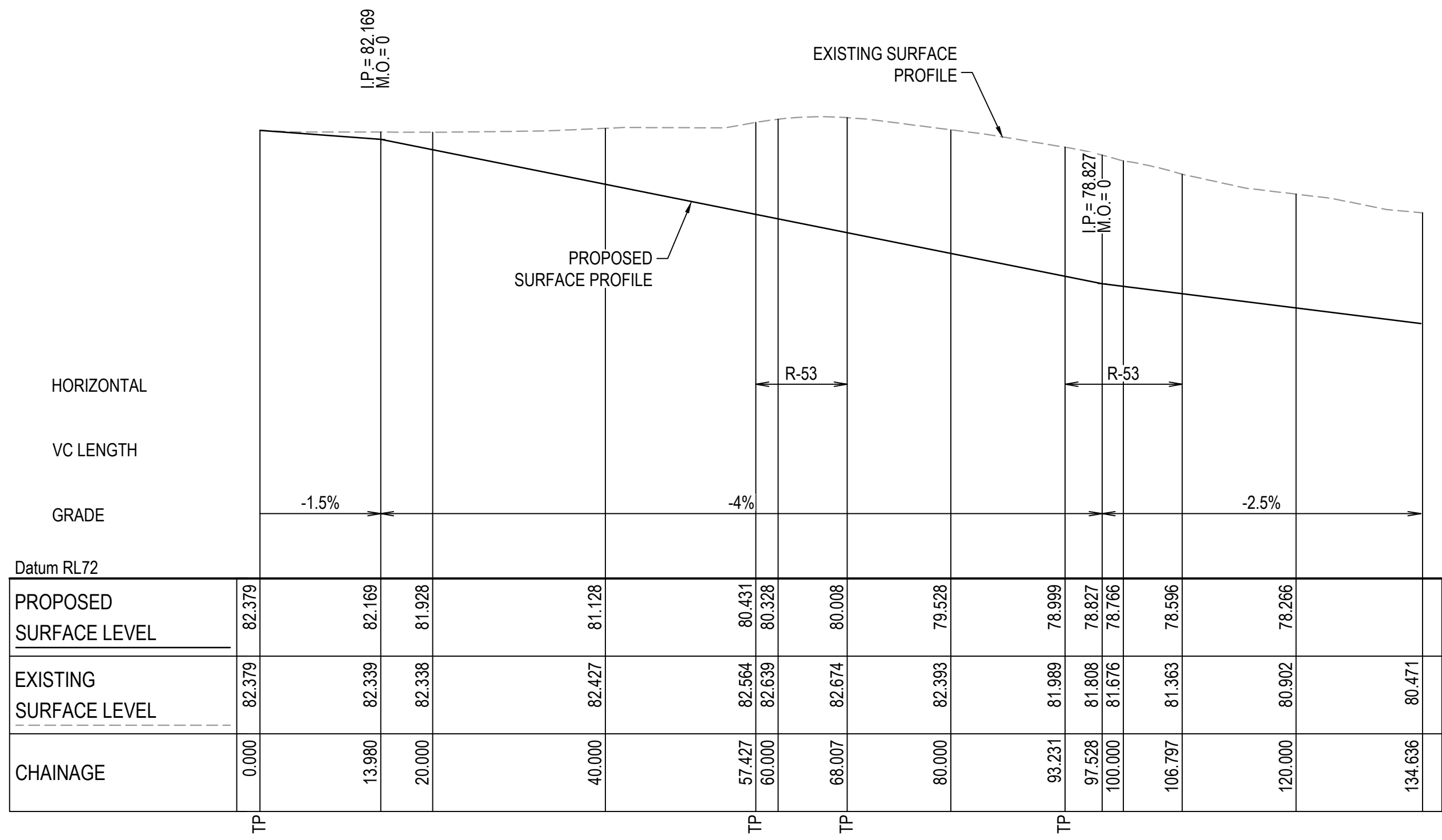
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Scales	AS SHOWN	Drawn	JD
		Designed	JD
Grid	MGA94	Checked	
Height Datum	AHD	Approved	
SSD 11606719			

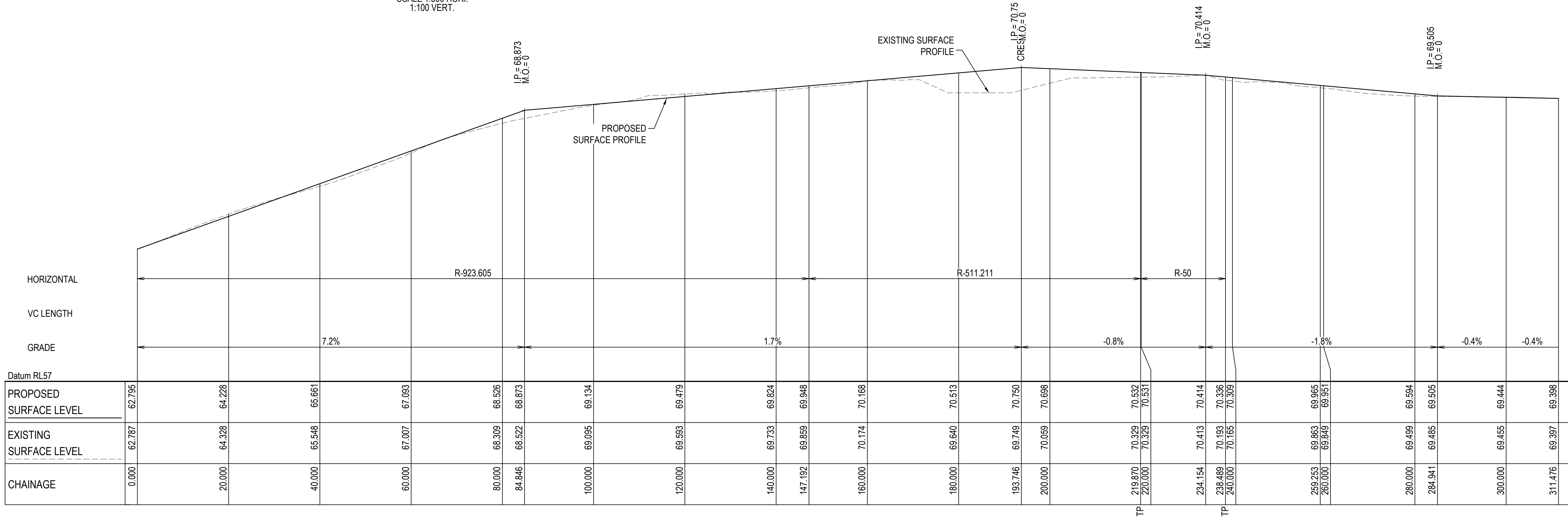
Project	EASTERN CREEK RECYCLING ECOLOGY PARK THROUGHPUT INCREASE	
Title	ROAD LONGITUDINAL SECTIONS SHEET 7	

Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	19-692-C336	Issue A



ROAD No. 8 (R08) LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:100 VERT.

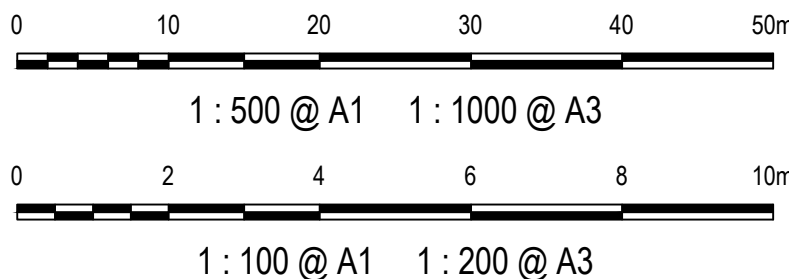


ROAD No. 10 (R10) LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:100 VERT.

A	ISSUED FOR SSD	19/11/21
Issue	Description	Date

Bar Scales



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Client



Scales

AS SHOWN

Grid

MGA94

Height Datum

AHD

Drawn

JD

Designed

JD

Checked

Approved

SSD 11606719

Project

EASTERN CREEK
RECYCLING ECOLOGY PARK
THROUGHPUT INCREASE

Title

ROAD LONGITUDINAL
SECTIONS
SHEET 8

Civil Engineers and Project Managers



Status

FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

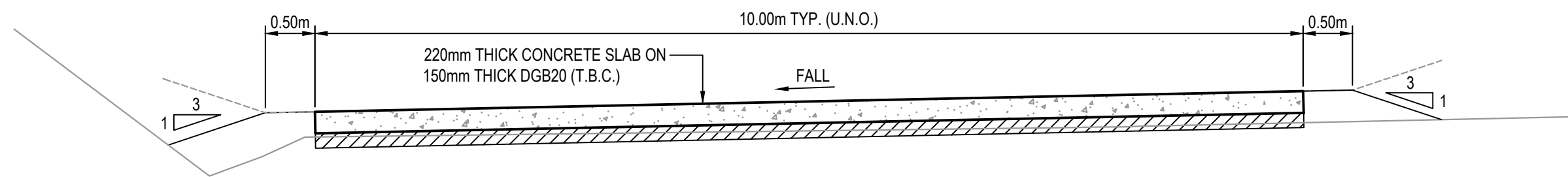
Project - Drawing No.

19-692-C337

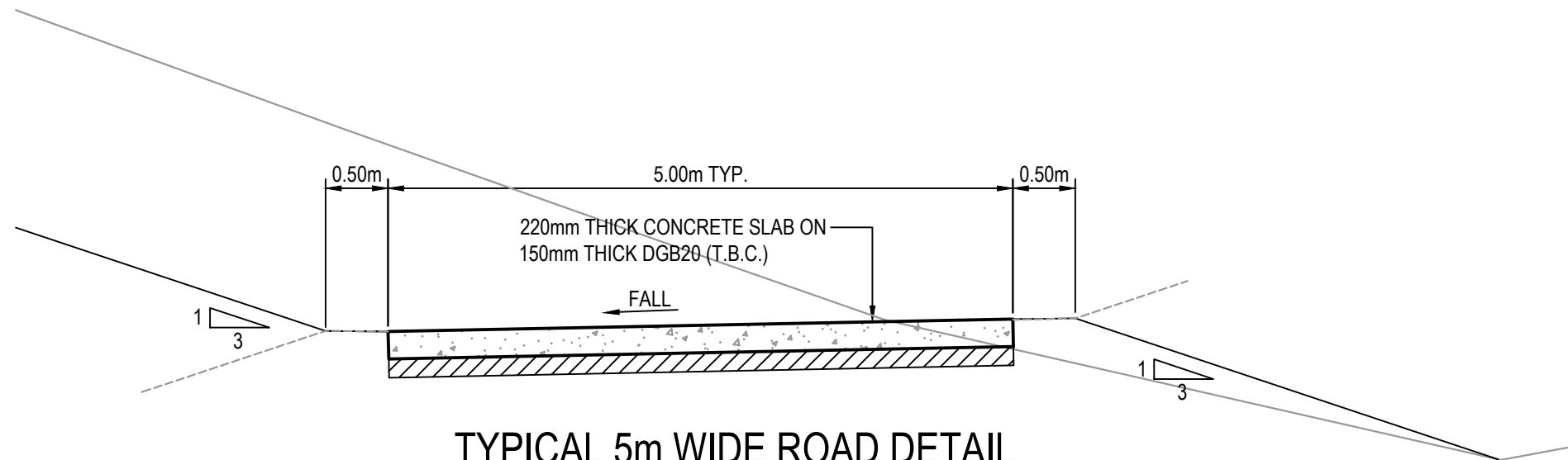
Issue

A

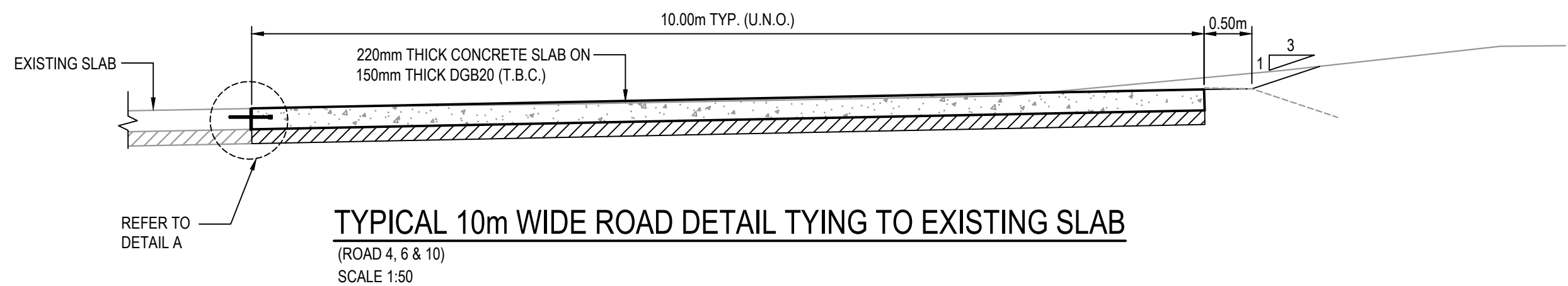
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au



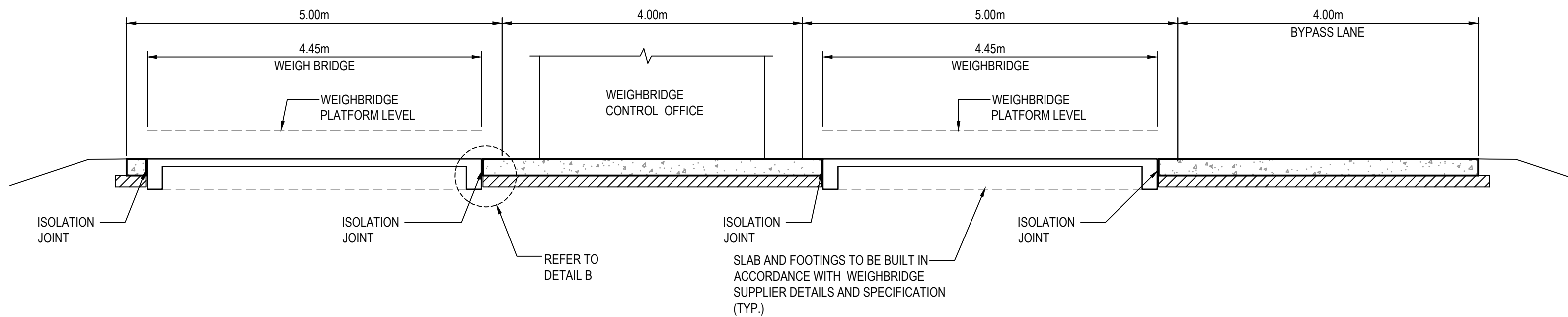
TYPICAL 10m WIDE ROAD DETAIL
(ROAD 1, 2, 3, 5, 7 & 8)
SCALE 1:50



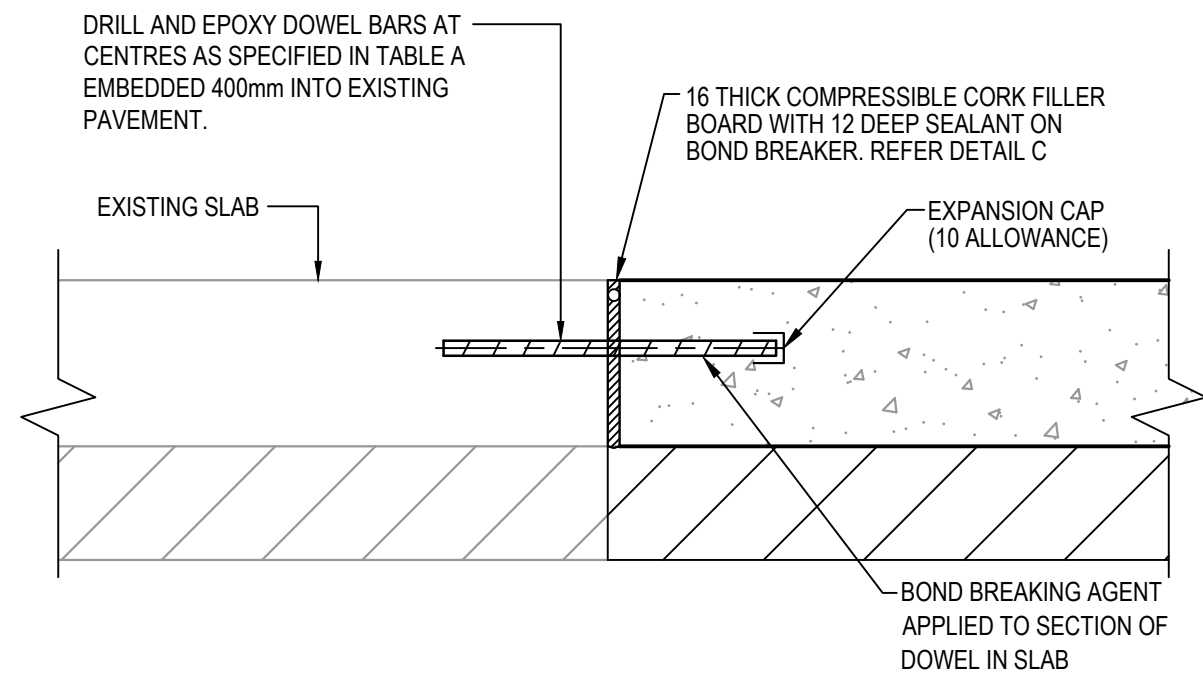
TYPICAL 5m WIDE ROAD DETAIL
(ROAD 1 & 7)
SCALE 1:50



TYPICAL 10m WIDE ROAD DETAIL TYING TO EXISTING SLAB
(ROAD 4, 6 & 10)
SCALE 1:50



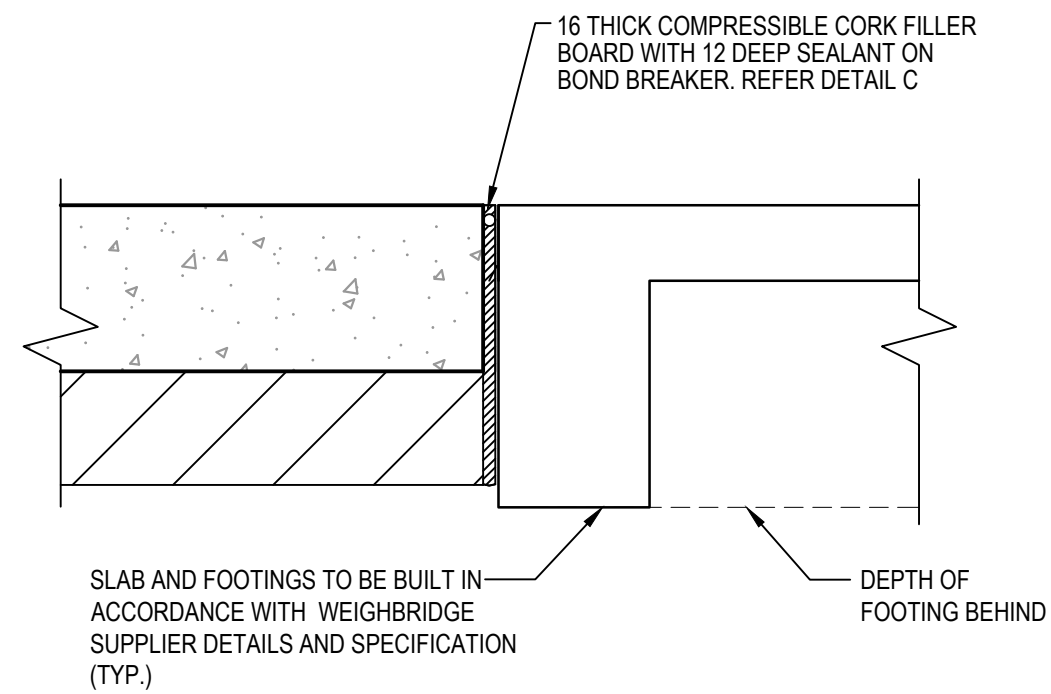
TYPICAL SECTION THROUGH WEIGHBRIDGE
SCALE 1:50



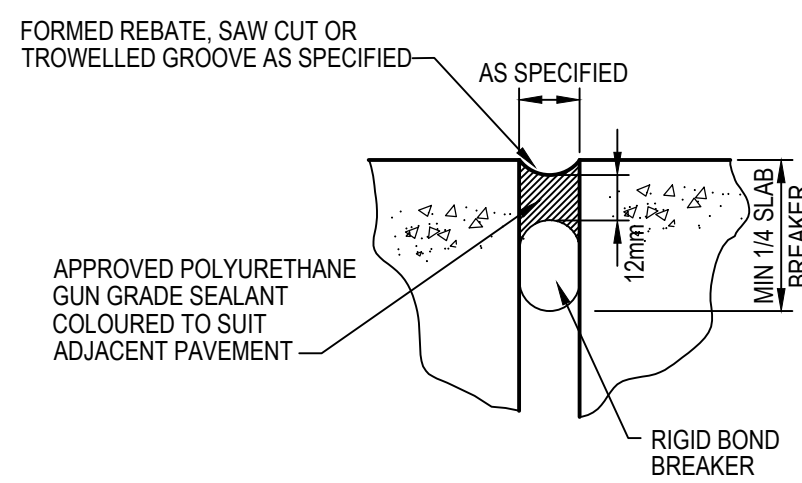
A DOWELLED EXPANSION JOINT
SCALE 1:10

TABLE A	
SLAB THICKNESS	DOWEL DIA.
125<D≤160	24
160<D≤200	28
200<D≤250	32
D>250	36

- NOTE:
- DOWEL BARS ARE TO BE PLAIN ROUND STEEL BARS OF GRADE 250N AND 450mm LONG PLACED AT 300mm CENTRES.
 - MORE THAN HALF OF THE DOWEL SHOULD BE COATED WITH DEBONDING AGENT TO ENSURE EFFECTIVE DEBONDING FROM THE CONCRETE ON THAT SIDE OF THE JOINT.



B ISOLATION JOINT
SCALE 1:10



DETAIL C
N.T.S.

A	ISSUED FOR SSD	28/04/22
Issue	Description	Date

Bar Scales	
0 1 2 3 4 5m	1 : 50 @ A1 1 : 100 @ A3
0 100 200 400 600 800 1000mm	1 : 10 @ A1 1 : 20 @ A3

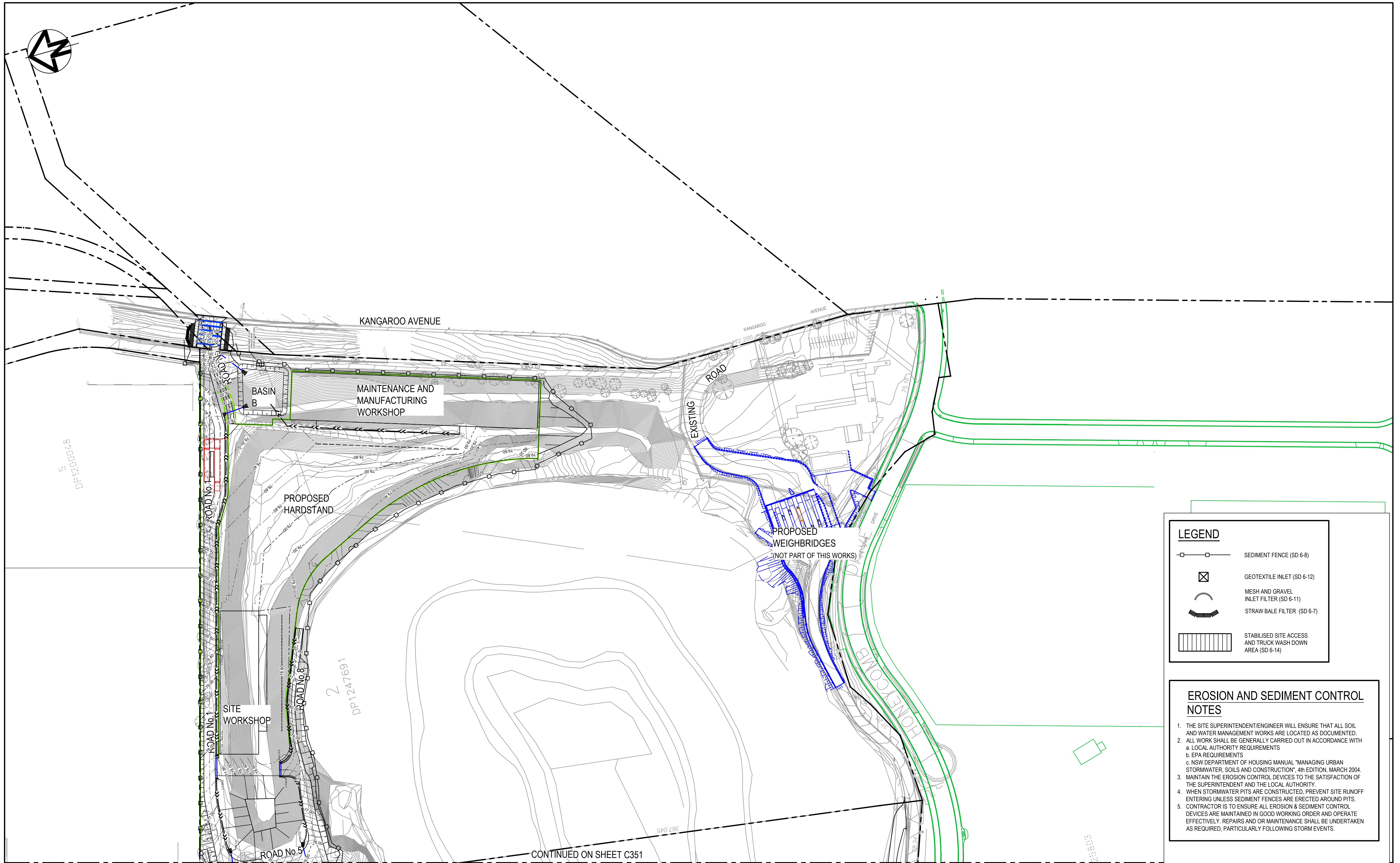
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Scales	AS SHOWN	Drawn	JD
		Designed	JD
Grid	MGA94	Checked	
Height Datum	AHD	Approved	
SSD 11606719			

Project	EASTERN CREEK RECYCLING ECOLOGY PARK THROUGHPUT INCREASE
Title	ROADWORKS DETAILS SHEET 1

Civil Engineers and Project Managers	
at&l Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au	
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION
Project - Drawing No.	19-692-C340
Issue	A



LEGEND

- SEDIMENT FENCE (SD 6-8)
- GEOTEXTILE INLET (SD 6-12)
- MESH AND GRAVEL INLET FILTER (SD 6-11)
- STRAW BALE FILTER (SD 6-7)
- STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA (SD 6-14)

EROSION AND SEDIMENT CONTROL NOTES

- THE SITE SUPERINTENDENT/ENGINEER WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS DOCUMENTED.
- ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH
a. LOCAL AUTHORITY REQUIREMENTS
b. EPA REQUIREMENTS
c. NSW DEPARTMENT OF HOUSING MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004.
- MAINTAIN THE EROSION CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
- WHEN STORMWATER PITS ARE CONSTRUCTED, PREVENT SITE RUNOFF ENTERING UNLESS SEDIMENT FENCES ARE ERECTED AROUND PITS.
- CONTRACTOR IS TO ENSURE ALL EROSION & SEDIMENT CONTROL DEVICES ARE MAINTAINED IN GOOD WORKING ORDER AND OPERATE EFFECTIVELY. REPAIRS AND OR MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED, PARTICULARLY FOLLOWING STORM EVENTS.

A	ISSUED FOR SSD	19/11/21
Issue	Description	Date

Bar Scales

0 30 60 90 120 150m

1 : 1500 @ A1 1 : 3000 @ A3

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Client

BINGO INDUSTRIES

Scales

1:1500

Grid MGA94

Height Datum AHD

Drawn JD

Designed JD

Checked

Approved

SSD 11606719

Project

EASTERN CREEK RECYCLING ECOLOGY PARK THROUGHPUT INCREASE

Title

EROSION AND SEDIMENT CONTROL PLAN SHEET 1

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

Project - Drawing No.

19-692-C350

Issue

A

CONTINUED ON SHEET C350

LEGEND

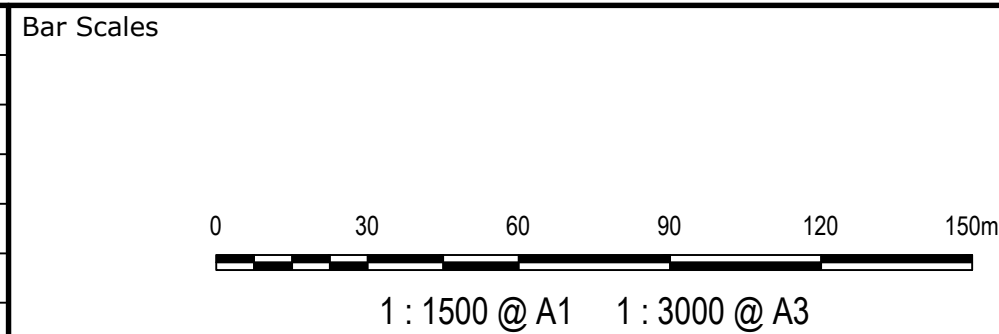
- SEDIMENT FENCE (SD 6-8)
- GEOTEXTILE INLET (SD 6-12)
- MESH AND GRAVEL INLET FILTER (SD 6-11)
- STRAW BALE FILTER (SD 6-7)
- STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA (SD 6-14)

EROSION AND SEDIMENT CONTROL NOTES

1. THE SITE SUPERINTENDENT/ENGINEER WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS DOCUMENTED.
2. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH
 - a. LOCAL AUTHORITY REQUIREMENTS
 - b. EPA REQUIREMENTS
 - c. NSW DEPARTMENT OF HOUSING MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004.
3. MAINTAIN THE EROSION CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
4. WHEN STORMWATER PITS ARE CONSTRUCTED, PREVENT SITE RUNOFF ENTERING UNLESS SEDIMENT FENCES ARE ERECTED AROUND PITS.
5. CONTRACTOR IS TO ENSURE ALL EROSION & SEDIMENT CONTROL DEVICES ARE MAINTAINED IN GOOD WORKING ORDER AND OPERATE EFFECTIVELY. REPAIRS AND OR MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED, PARTICULARLY FOLLOWING STORM EVENTS.



A	ISSUED FOR SSD	19/11/21
Issue	Description	Date



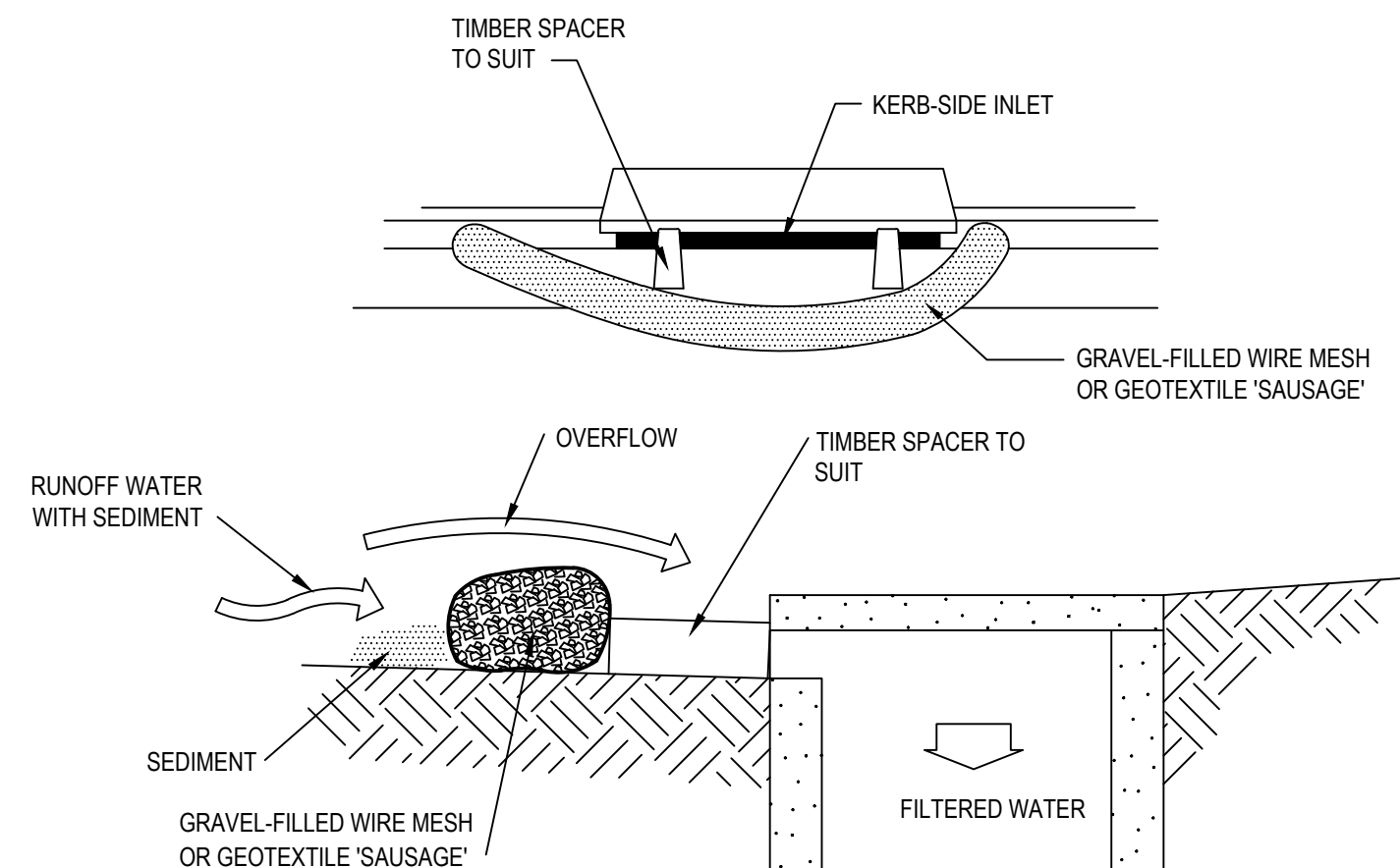
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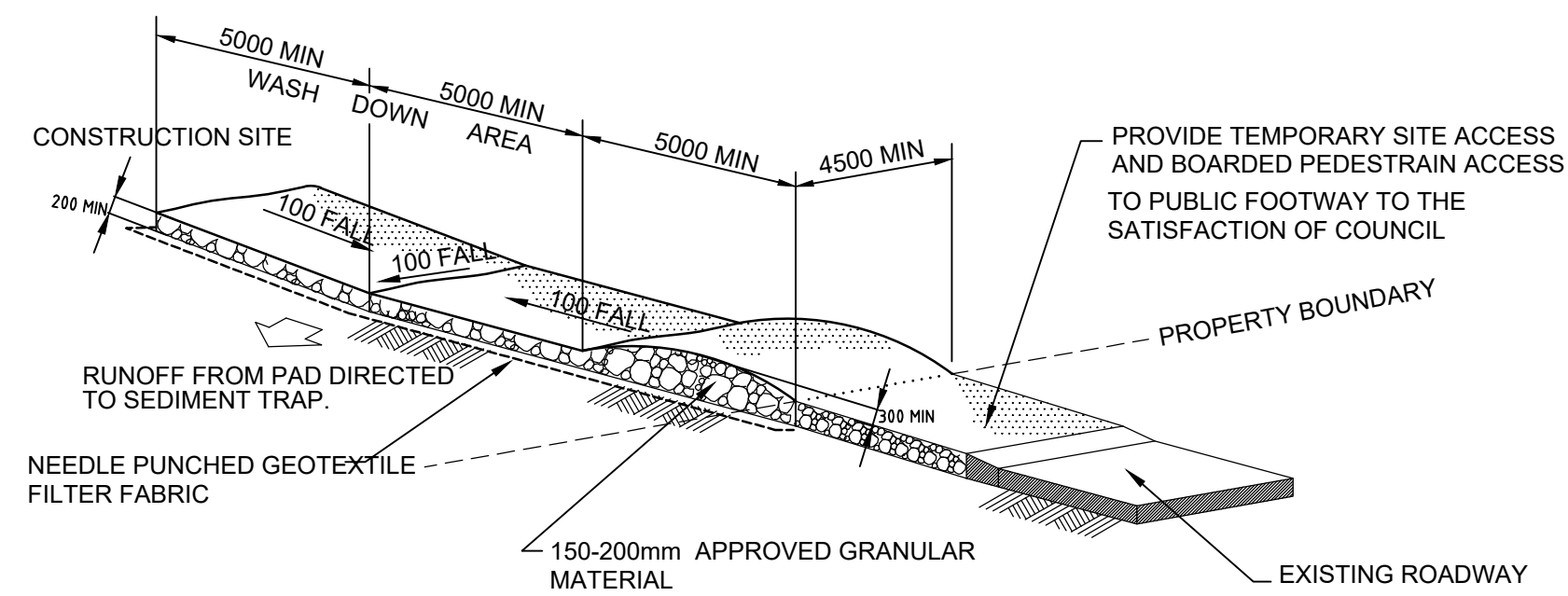
Scales	1:1500	Drawn	JD
		Designed	JD
Grid	MGA94	Checked	
Height Datum	AHD	Approved	
SSD 11606719			

Project	EASTERN CREEK RECYCLING ECOLOGY PARK THROUGHPUT INCREASE	
Title	EROSION AND SEDIMENT CONTROL PLAN SHEET 2	

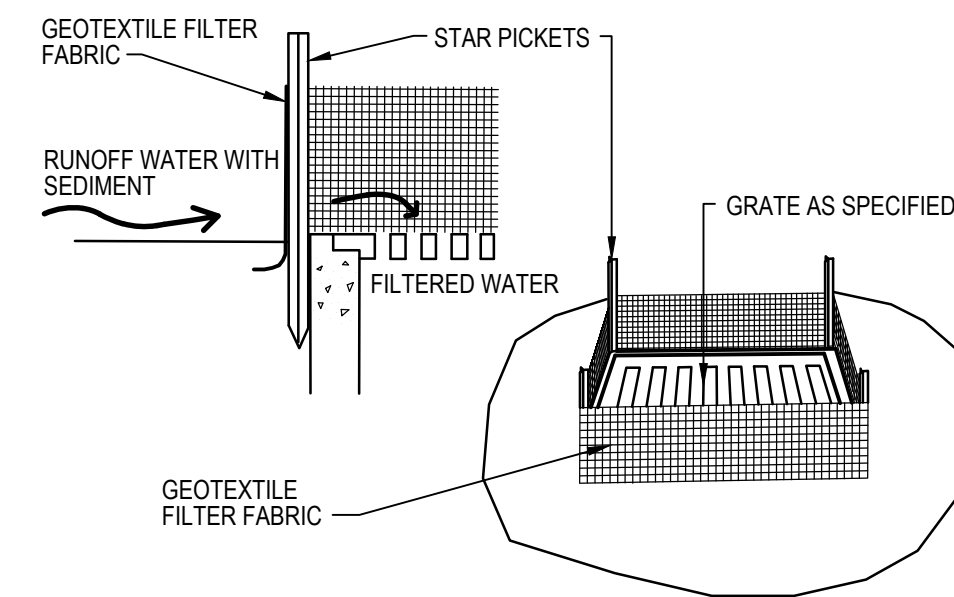
Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	19-692-C351	Issue A



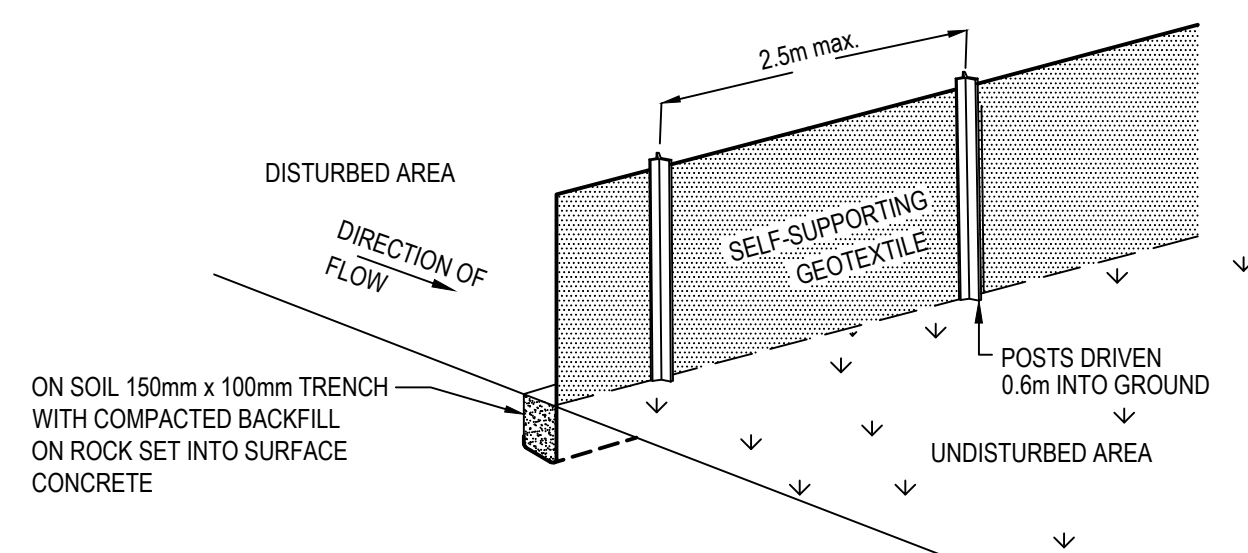
MESH AND GRAVEL INLET FILTER (SD 6-11)
NTS



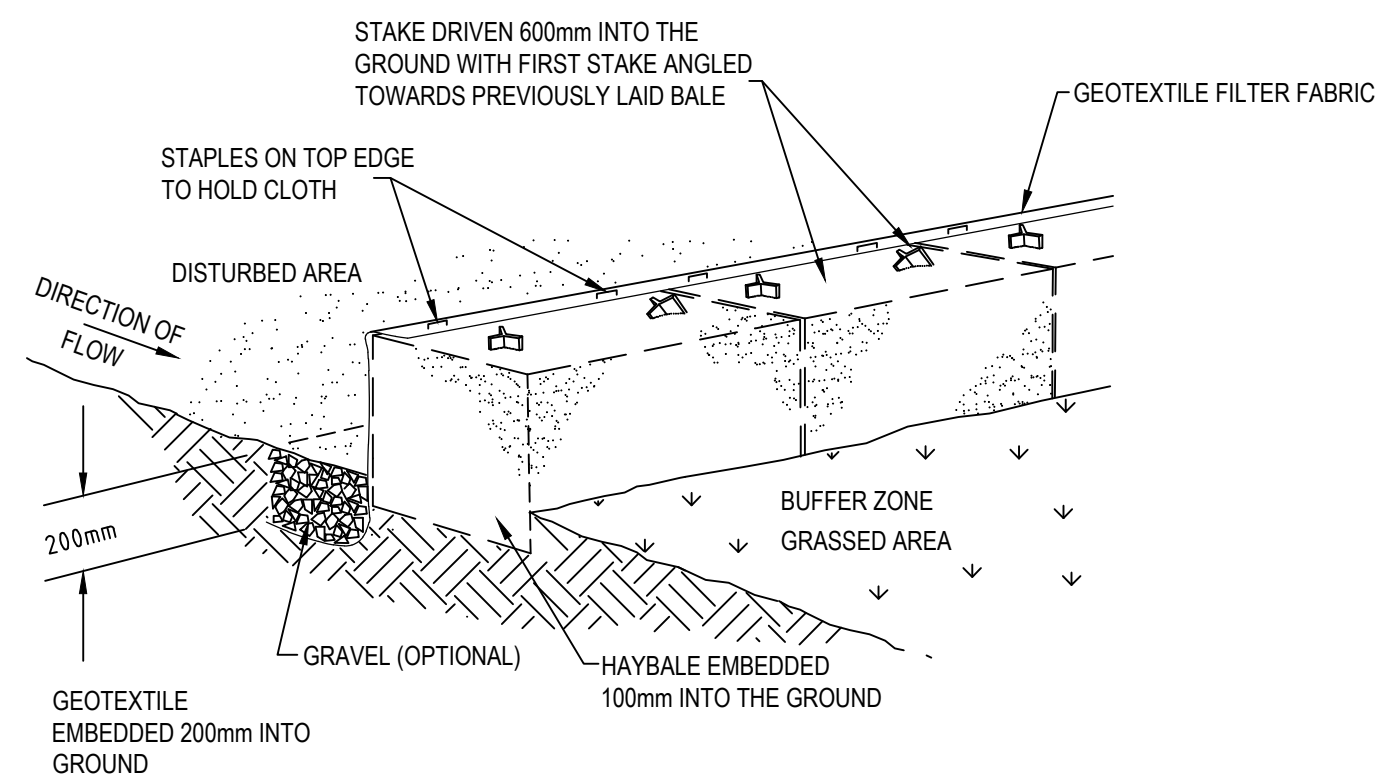
STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA
NTS



GEOTEXTILE FILTER PIT SURROUND (SD 6-12)
NTS

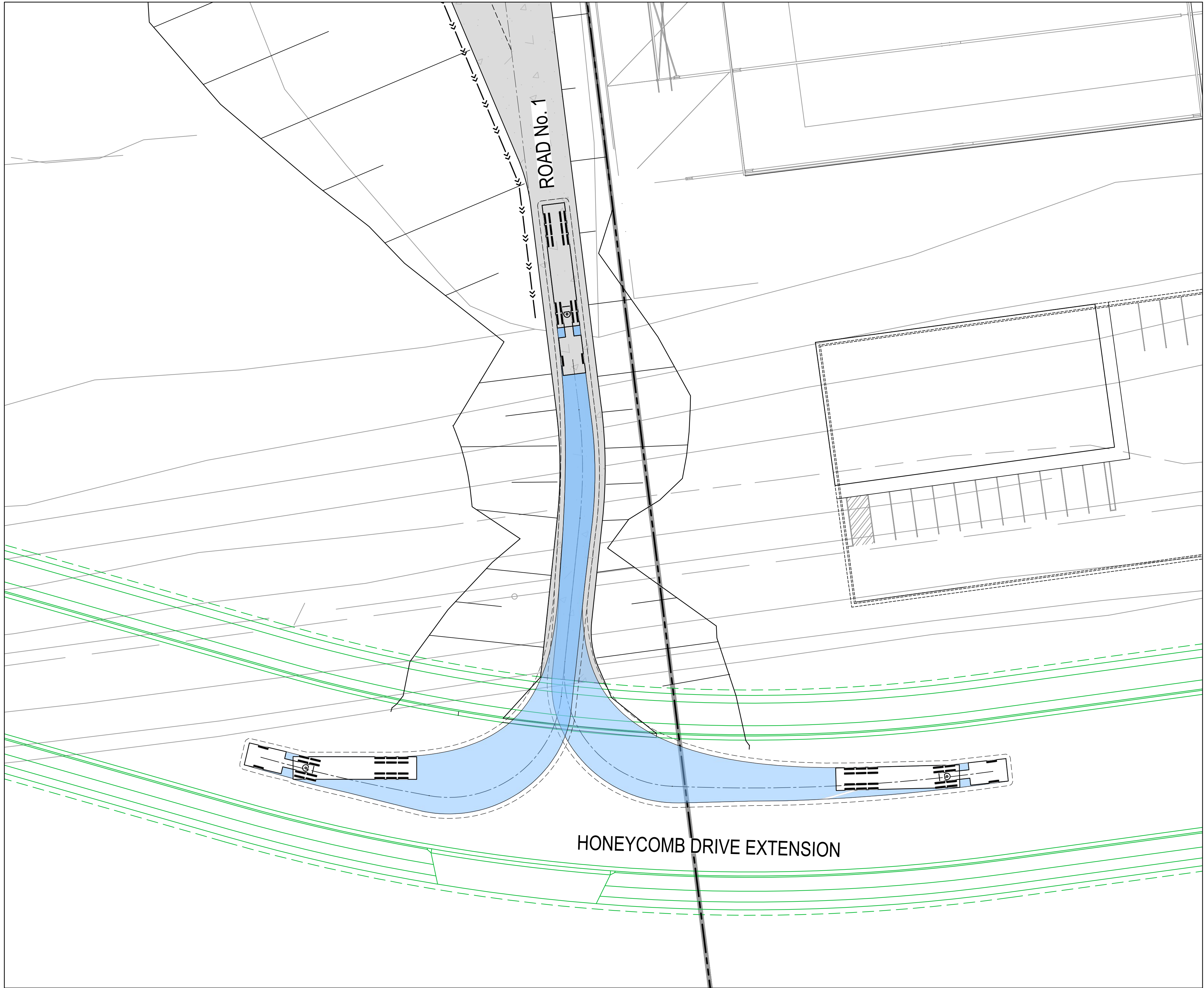
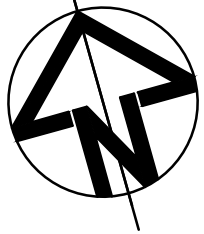


SEDIMENT FENCE (SD 6-8)
NTS



HAYBALE AND GEOTEXTILE SEDIMENT FILTER (SD 6-7)
NTS

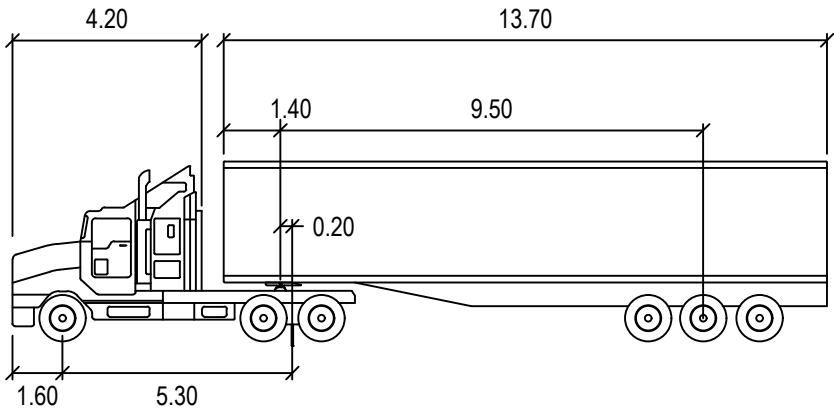
			Bar Scales	THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L	Client <div>BINGO INDUSTRIES</div>	<div>Scales</div> <div>NTS</div>	<div>Drawn</div> <div>JD</div>	Project EASTERN CREEK RECYCLING ECOLOGY PARK THROUGHPUT INCREASE	Civil Engineers and Project Managers <div>at&l</div> <div>Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au</div>	
						<div>Grid</div> <div>MGA94</div>	<div>Designed</div> <div>JD</div>			<div>Checked</div> <div></div>
						<div>Height Datum</div> <div>AHD</div>	<div>Approved</div> <div></div>			
						SSD 11606719				<div>Title</div> <div>EROSION AND SEDIMENT CONTROL DETAILS</div>
A ISSUED FOR SSD						19/11/21				
Issue	Description		Date							



PLAN
1 : 250

LEGEND

- VEHICLE BODY ENVELOPE
- 0.5m VEHICLE BODY CLEARANCE ENVELOPE



PM S 19M

	Tractor Width	: 2.50	Lock to Lock Time	: 6.0
	Trailer Width	: 2.50	Steering Angle	: 27.8
	Tractor Track	: 2.50	Articulating Angle	: 70.0
	Trailer Track	: 2.50		

A	ISSUED FOR SSD	19/11/21
Issue	Description	Date

Bar Scales
<div>0510152025m</div> <div>1 : 250 @ A1 1 : 500 @ A3</div>

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Client

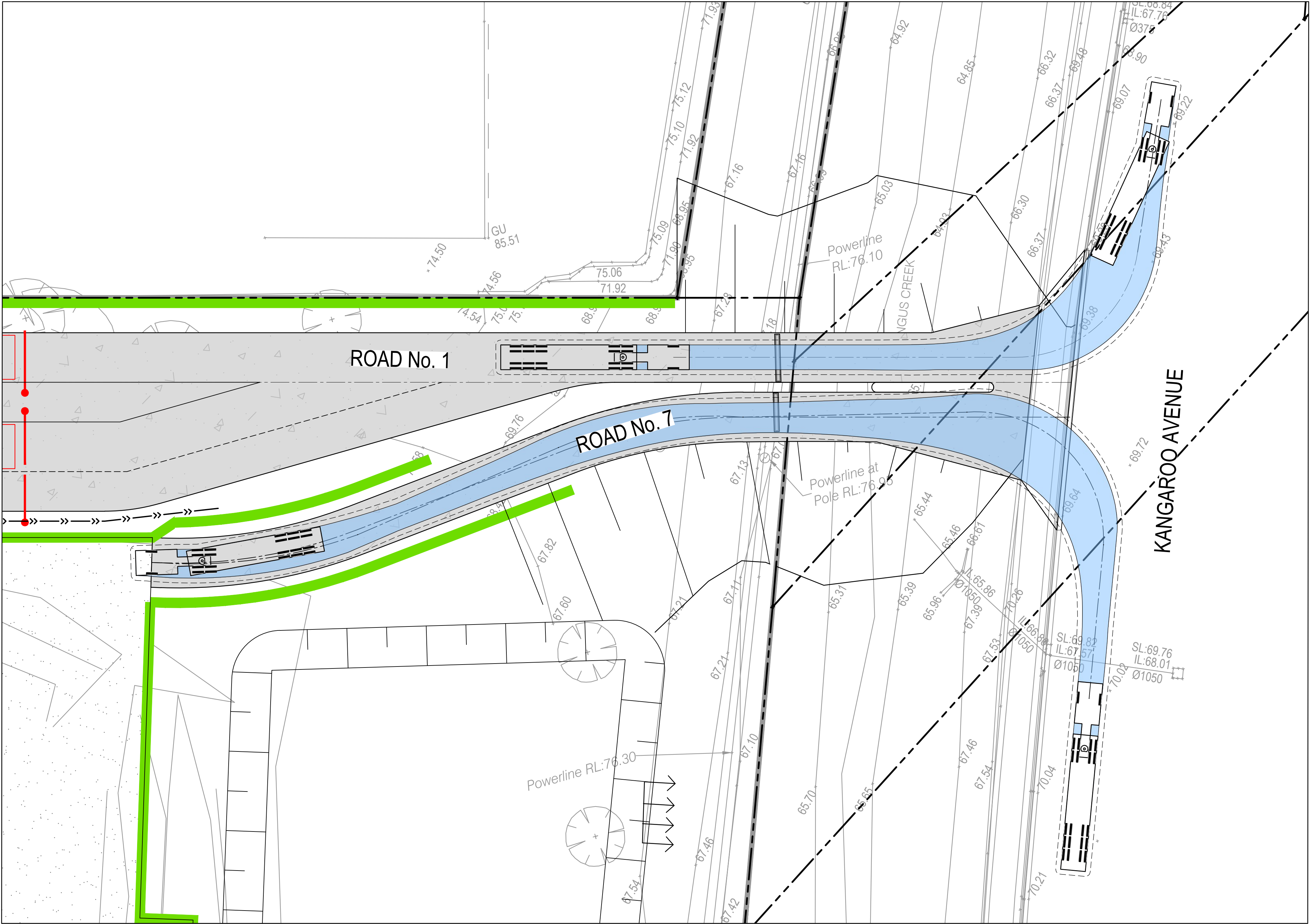
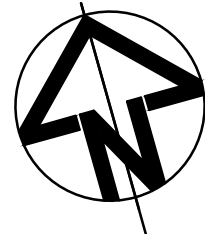
Scales	1:250	Drawn	JD
		Designed	JD
Grid	MGA94	Checked	
Height Datum	AHD	Approved	
SSD 11606719			

Project	EASTERN CREEK RECYCLING ECOLOGY PARK THROUGHPUT INCREASE
Title	VEHICLE TURNPATHS SHEET 1

Civil Engineers and Project Managers

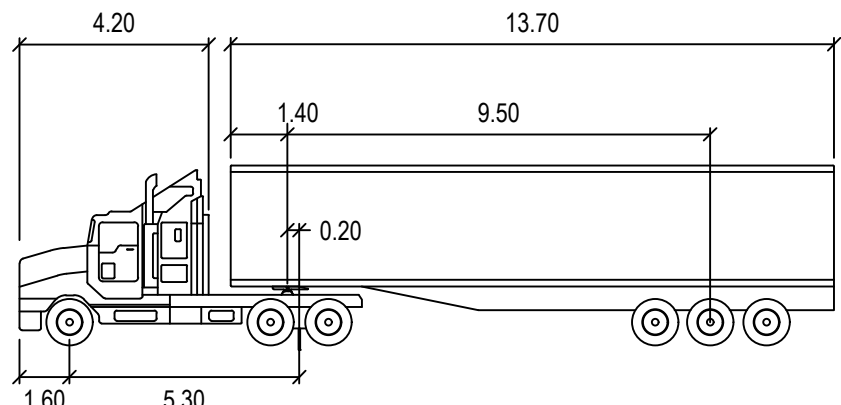
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		Issue
Project - Drawing No. 19-692-C360		A



LEGEND

- VEHICLE BODY ENVELOPE
- 0.5m VEHICLE BODY CLEARANCE ENVELOPE



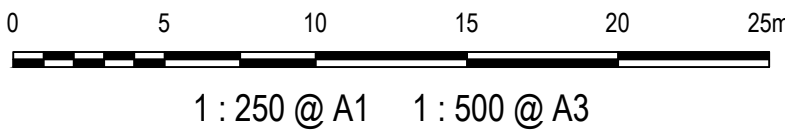
PM S 19M

Tractor Width	: 2.50	Lock to Lock Time	: 6.0
Trailer Width	: 2.50	Steering Angle	: 27.8
Tractor Track	: 2.50	Articulating Angle	: 70.0
Trailer Track	: 2.50		

PLAN
1:250

A	ISSUED FOR SSD	19/11/21
Issue	Description	Date

Bar Scales



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Client



Scales
1:250

Grid	MGA94
Height Datum	AHD

SSD 11606719

Drawn	JD
Designed	JD

Checked	
Approved	

Project

EASTERN CREEK
RECYCLING ECOLOGY PARK
THROUGHPUT INCREASE

Title

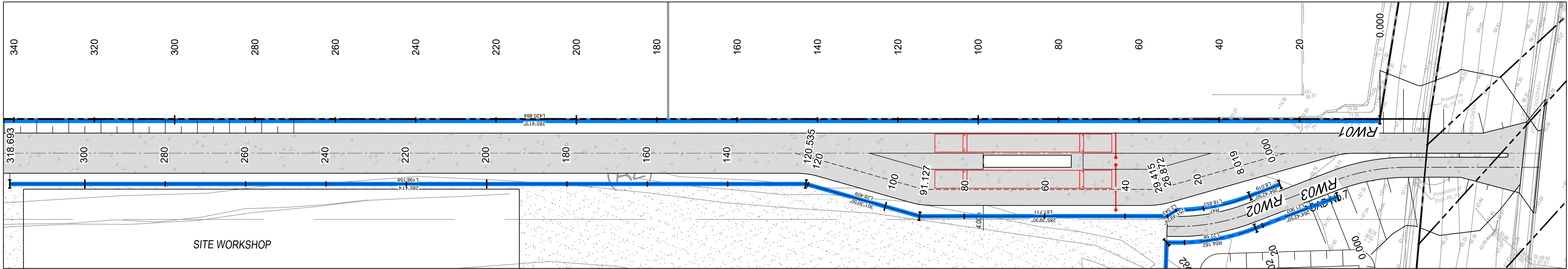
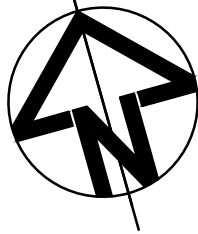
VEHICLE TURNPATHS
SHEET 2

Civil Engineers and Project Managers

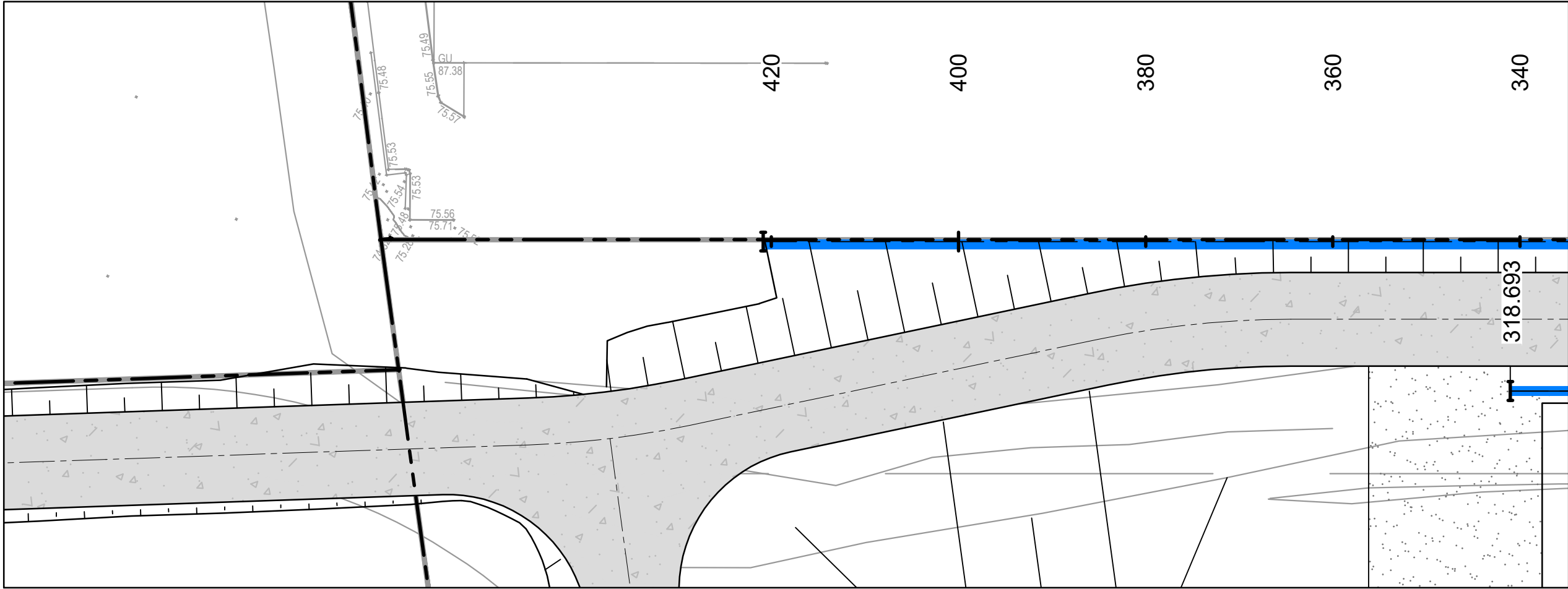


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ABN 96 130 882 405
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Fax: 02 9923 1055
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Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	19-692-C361	Issue A

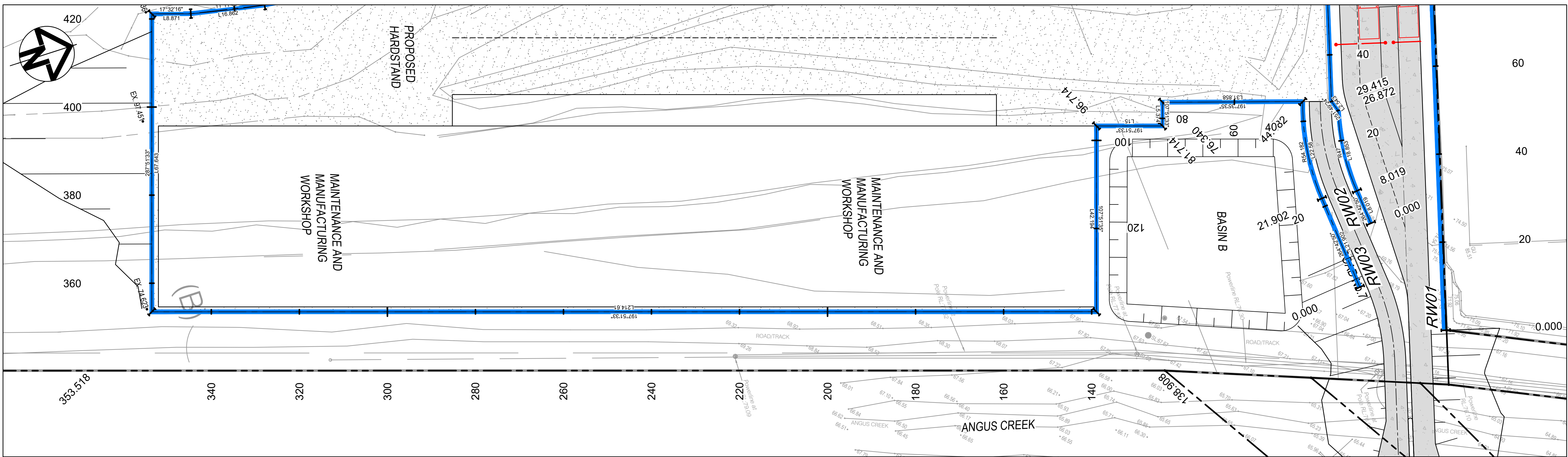


RETAINING WALL PLAN RW01 & RW02
SCALE 1:500



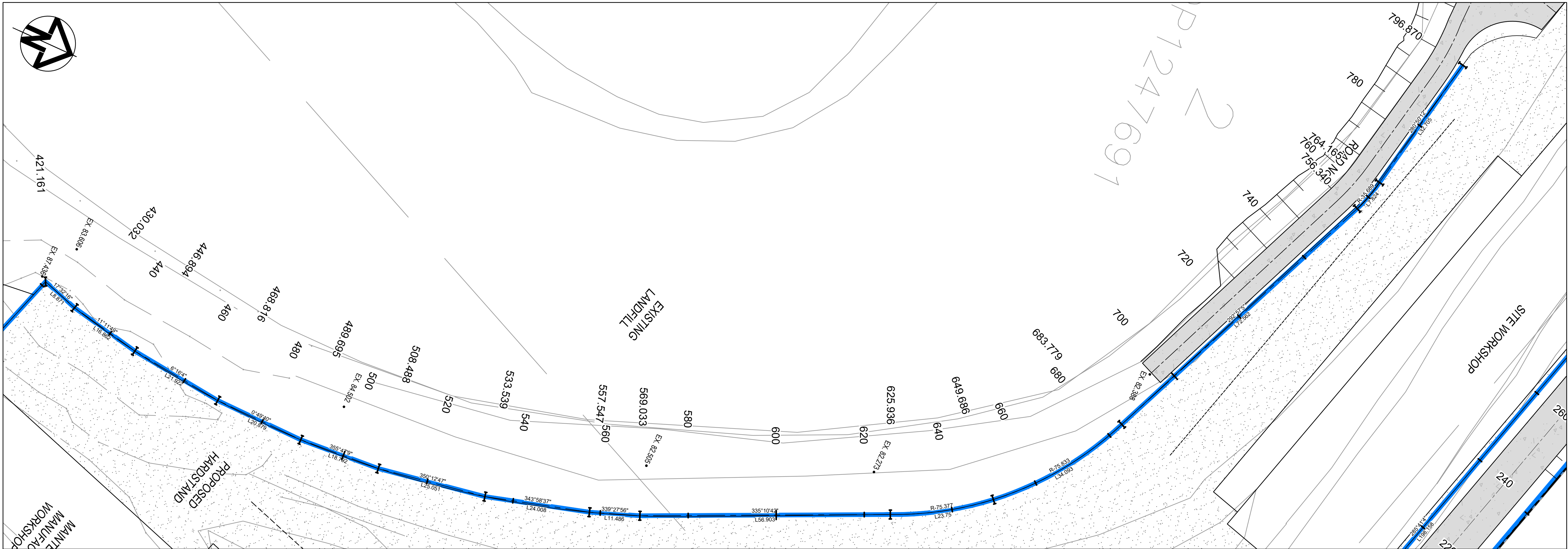
RETAINING WALL PLAN RW01 (CONTINUED)
SCALE 1:500

		Bar Scales		<p>THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L</p>	<p>Client</p> <p>BINGO INDUSTRIES</p>	Scales		Drawn	JD	<p>Project</p> <p>EASTERN CREEK RECYCLING ECOLOGY PARK THROUGHPUT INCREASE</p>	<p>Civil Engineers and Project Managers</p> <p>at&l</p> <p>Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au</p>			
		1:500				Designed	JD							
		Grid	MGA94			Checked								
		Height Datum	AHD			Approved								
		SSD 11606719				Title		RETAINING WALL PLAN SHEET 1		Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION Project - Drawing No. 19-692-C370		A1 Issue A		
A	ISSUED FOR INFORMATION													
Issue	Description													



RETAINING WALL PLAN RW03

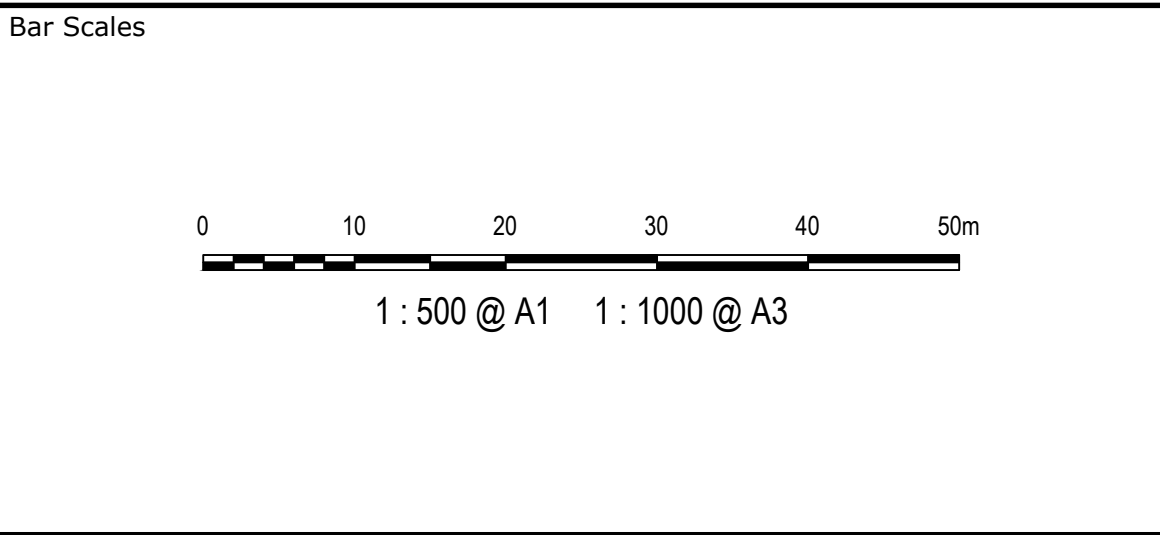
SCALE 1:500



RETAINING WALL PLAN RW03 (CONTINUED)

SCALE 1:500

A	ISSUED FOR INFORMATION	28/04/22
Issue	Description	Date



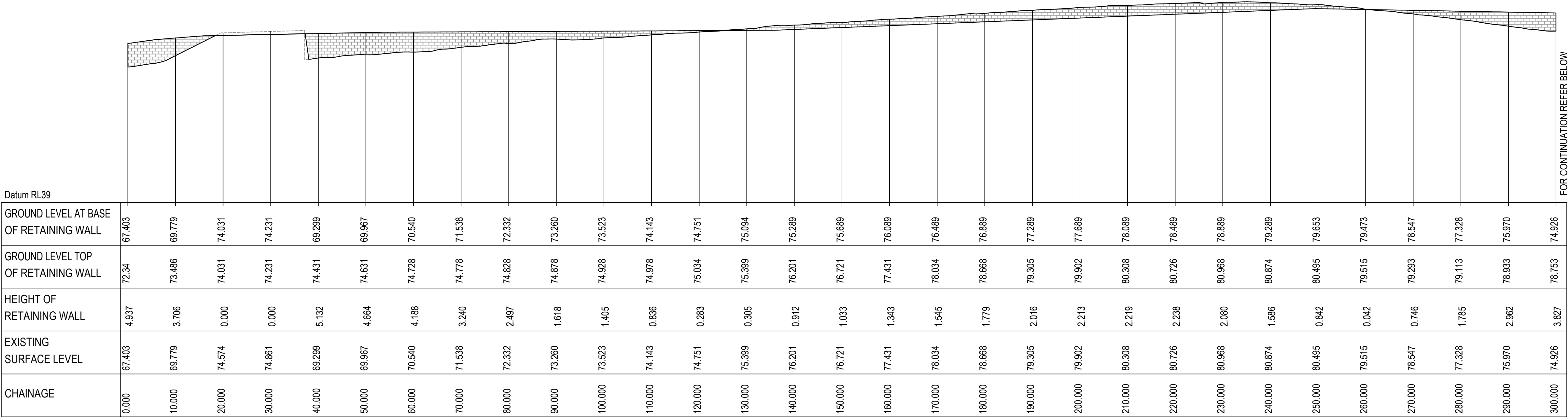
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L



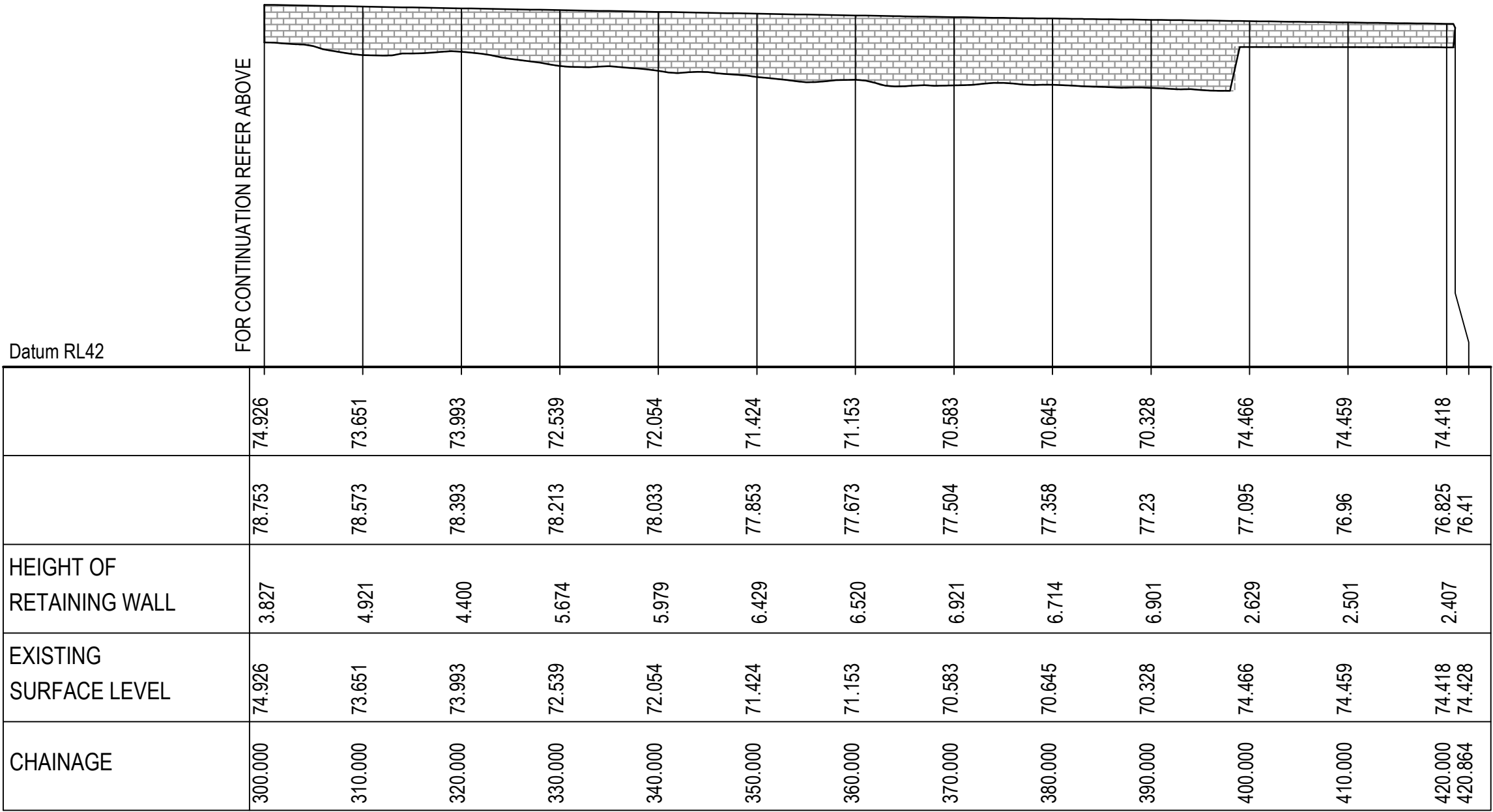
Scales	1:500	Drawn	JD
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Grid	MGA94	Checked	
Height Datum	AHD	Approved	
SSD 11606719			

Project	EASTERN CREEK RECYCLING ECOLOGY PARK THROUGHPUT INCREASE
Title	RETAINING WALL PLAN SHEET 2

Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	19-692-C371	Issue A



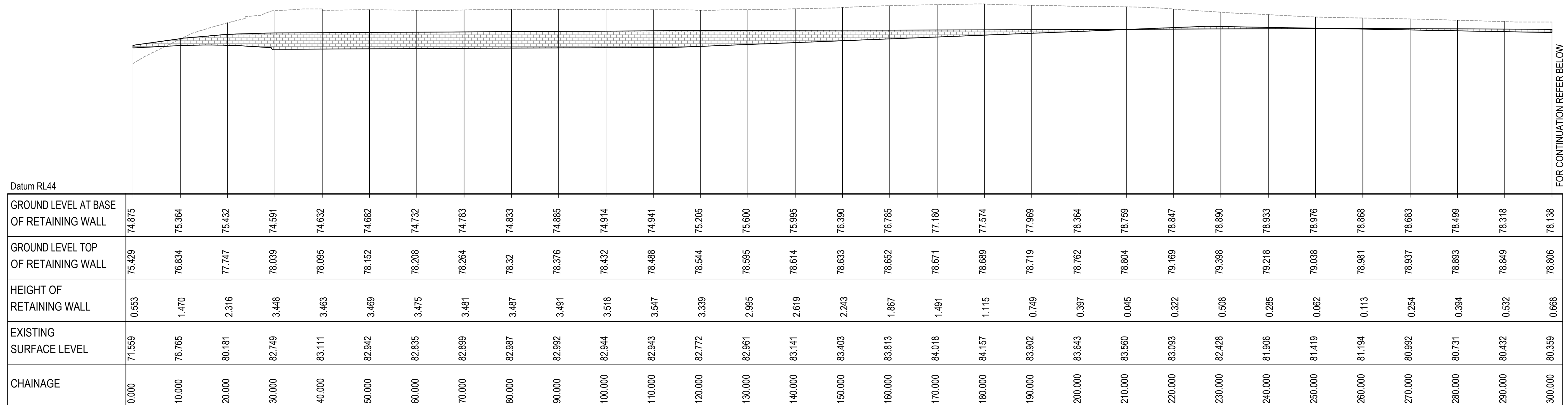
RETAINING WALL RW01 PROFILE
SCALE 1:500 HORI.
1:500 VERT.



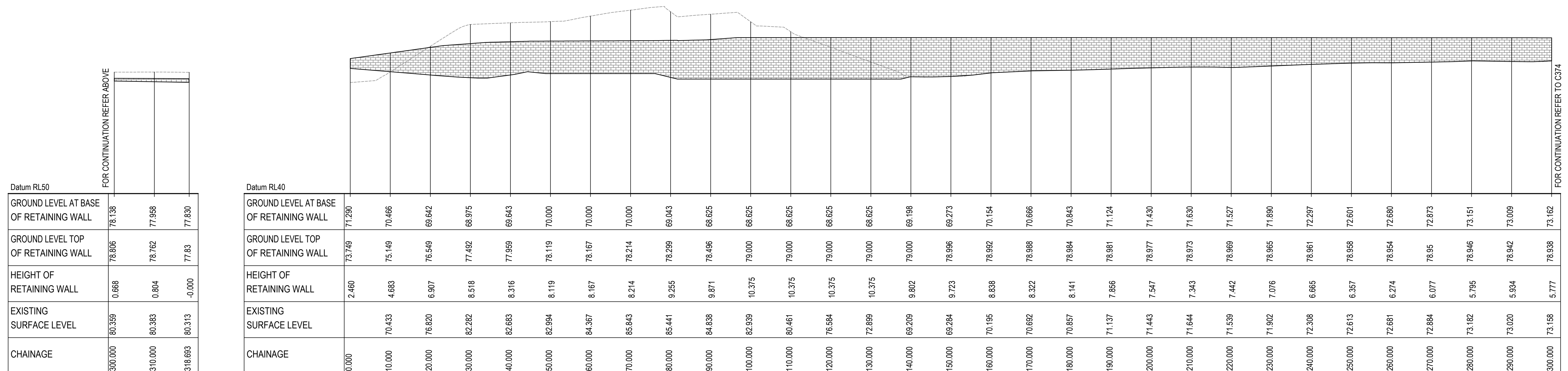
RETAINING WALL RW01 PROFILE
SCALE 1:500 HORI.
1:500 VERT.

			<p>Bar Scales</p> <p>1 : 500 @ A1 1 : 1000 @ A3</p>	<p>THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L</p>	<p>Client</p>	<p>Scales</p> <p>1:500</p>	<p>Drawn</p> <p>JD</p>	<p>Project</p> <p>EASTERN CREEK RECYCLING ECOLOGY PARK THROUGHPUT INCREASE</p>	<p>Civil Engineers and Project Managers</p> <p>Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au</p>					
						<p>Grid</p> <p>MGA94</p>	<p>Designed</p> <p>JD</p>			<p>Title</p> <p>RETAINING WALL LONGITUDINAL SECTIONS SHEET 1</p>	<p>Status</p> <p>FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION</p>	<p>A1</p>		
						<p>Height Datum</p> <p>AHD</p>	<p>Checked</p>						<p>Project - Drawing No.</p> <p>19-692-C372</p>	<p>Issue</p> <p>A</p>
						<p>SSD 11606719</p>								
A	ISSUED FOR INFORMATION	28/04/22												
Issue	Description	Date												

100mm on Original



RETAINING WALL RW02 PROFILE



RETAINING WALL RW02 PROFILE
SCALE 1:500 HORI.
1:500 VERT.

RETAINING WALL RW03 PROFILE

[illegible]

