

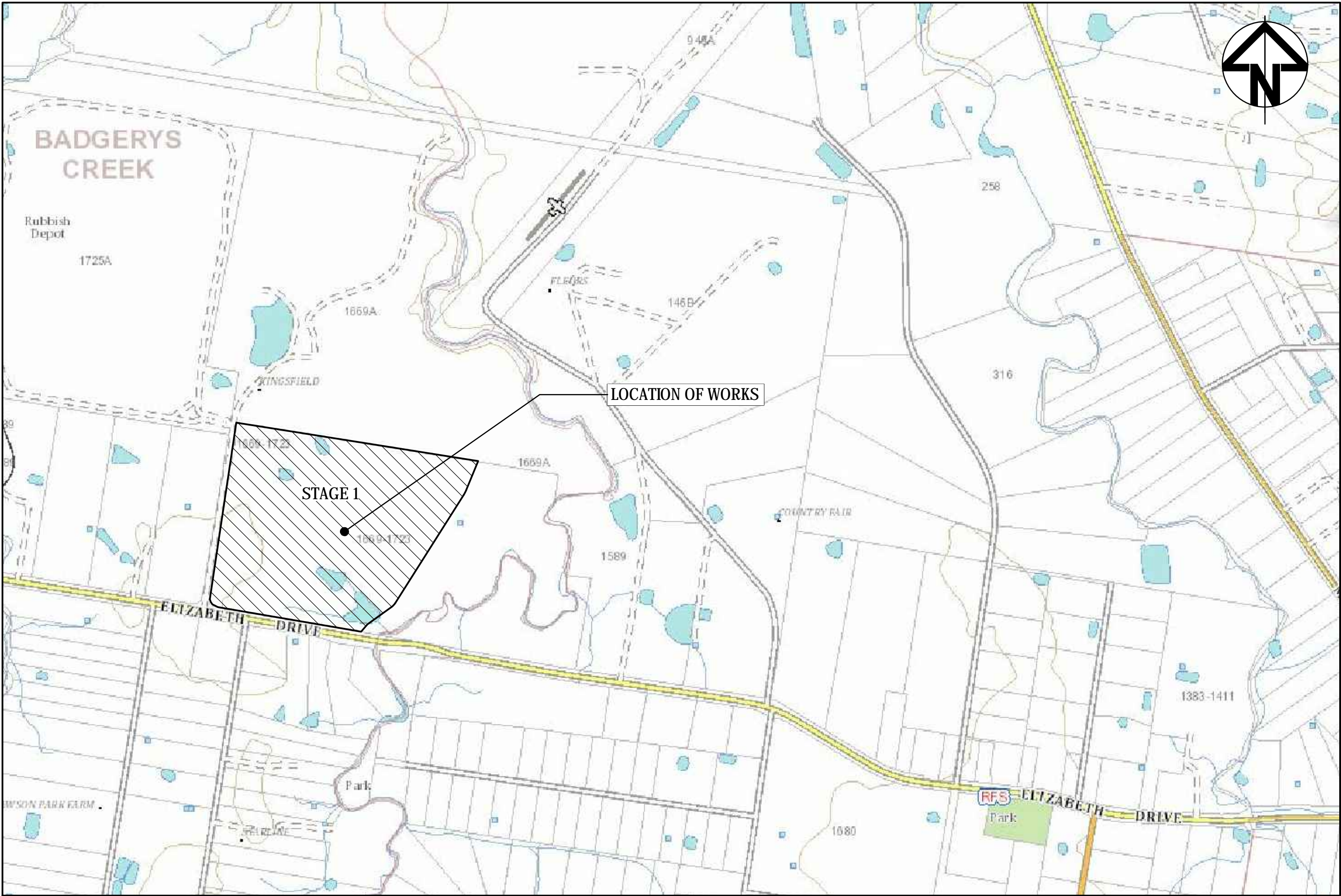
ELIZABETH ENTERPRISE PRECINCT

DEVELOPMENT APPLICATION

BULK EARTHWORKS

DRAWING LIST

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LOCALITY PLAN
NTS

		Bar Scales	Key Plan	Client		<div>Scales</div> <div>NTS</div>	<div>Drawn</div> <div>Designed</div>	<div>JB</div> <div>JB</div>	Project	ELIZABETH ENTERPRISE PRECINCT BULK EARTHWORKS	 <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>MGA</div>	<div>Checked</div>	<div>AMc</div>				Title	COVER SHEET		
						<div>Height Datum</div> <div>AHD</div>	<div>Approved</div>								
E	ISSUE FOR DEVELOPMENT APPLICATION					20-08-20				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&I.					
D	ISSUE FOR DEVELOPMENT APPLICATION					21-11-19									
C	ISSUE FOR DEVELOPMENT APPLICATION					04-11-19									
B	ISSUE FOR DEVELOPMENT APPLICATION					19-07-19									
A	ISSUE FOR DEVELOPMENT APPLICATION	29-03-19													
Issue	Description	Date													
					COVER SHEET		FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION			A1					
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SITEWORKS NOTES

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 AT & L.
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 RMS. SPECIFICATION R116.
8. ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH RMS. FORM 3051 (UNBOUND), RMS. FORM 3052 (BOUND) COMPACTED TO MINIMUM 98% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1
FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m OF BASECOURSE MATERIAL PLACED.
9. ALL SUB-BASE COURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH RMS. FORM 3051, 3051.1 AND COMPACTED TO MINIMUM 95% MODIFIED DENSITY IN ACCORDANCE WITH A.S 1289 5.2.1
FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m 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 RMS. FORM 3051 AND 3051.1 WILL BE CONSIDERED, SUBJECT TO MATERIAL SAMPLES AND APPROPRIATE CERTIFICATIONS BEING PROVIDED TO THE SATISFACTION OF AT & L.
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.

EXISTING UNDERGROUND SERVICES NOTES

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.

AT & L 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.

CONTRACTORS SHALL TAKE DUE CARE WHEN EXCAVATING ONSITE INCLUDING HAND EXCAVATION WHERE NECESSARY.

CONTRACTORS ARE TO CONTACT THE RELEVANT SERVICE AUTHORITY PRIOR TO COMMENCEMENT OF EXCAVATION WORKS.

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.

EROSION AND SEDIMENT CONTROL NOTES

GENERAL INSTRUCTIONS

1. THE CONTRACTOR IS RESPONSIBLE FOR ENGAGING A SUITABLY QUALIFIED EROSION AND SEDIMENT CONSULTANT FOR THE DURATION OF THE CONTRACT WITH THE EXPERTISE IN DESIGNING AND DOCUMENTING THE CONTROLS TO ALLOW THE INSTALLATION AND MAINTENANCE OF THE EROSION AND SEDIMENT CONTROLS. SUITABLE EROSION AND SEDIMENT CONTROLS SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR REQUIRED TO SUIT THE CONSTRUCTION STAGING
2. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH
- a. NSW DEPARTMENT OF HOUSING MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004
 - b. LOCAL AUTHORITY REQUIREMENTS
 - c. EPA REQUIREMENTS
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 DURING STORM EVENTS.

LAND DISTURBANCE

6. WHERE PRACTICAL, THE SOIL EROSION HAZARD ON THE SITE WILL BE KEPT AS LOW AS POSSIBLE. TO THIS END, WORKS SHOULD BE UNDERTAKEN / INSTALLED AS DIRECTED BY THE CONTRACTORS EROSION AND SEDIMENT CONTROL CONSULTANT.

EROSION CONTROL

7. DURING WINDY WEATHER, LARGE, UNPROTECTED AREAS WILL BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL.
8. FINAL SITE LANDSCAPING WILL BE UNDERTAKEN AS SOON AS POSSIBLE AND WITHIN 20 WORKING DAYS FROM COMPLETION OF CONSTRUCTION ACTIVITIES.
9. STOCKPILES 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 2 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 ANY 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.

OTHER MATTERS

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 MATERIALS INSTALLED OUTSIDE THE DRIP LINE
 - (B) ENSURING THAT NOTHING IS NAILED TO THEM
 - (C) PROHIBBITING 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, WHICHEVER 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.

EROSION AND SEDIMENT CONTROL NOTES

STAGING

SUITABLE EROSION AND SEDIMENT CONTROLS SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR THROUGHOUT ALL STAGES OF WORKS, THROUGHOUT THE FULL TERM OF THE CONTRACT, WHERE SHOWN ON AT&L DRAWINGS OR WHERE DIRECTED BY THE SUPERINTENDENT OR PENRITH CITY COUNCIL'S ENGINEERS. THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING, DOCUMENTING, INSTALLING AND MAINTAINING THE SEDIMENT AND EROSION CONTROLS REQUIRED TO SUIT THE SELECTED CONSTRUCTION STAGING. THIS IS TO BE DOCUMENTED IN THE FORM OF A SOIL AND WATER MANAGEMENT PLAN TO BE DEVELOPED BY THE CONTRACTOR AND THEIR EROSION AND SEDIMENT CONSULTANT AND PROVIDED BY THE SUPERINTENDENT PRIOR TO CONSTRUCTION COMMENCEMENT.

SUCH CONTROLS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROTECTION OF THE ENVIRONMENT OPERATIONS ACT, PENRITH CITY COUNCIL'S SPECIFICATIONS AND THE OFFICE OF ENVIRONMENT AND HERITAGE'S "MANAGING URBAN STORMWATER: SOILS AND CONSTRUCTION. LANDCOM, (4TH EDITION) MARCH 2004 (REPRINTED 2006) (THE "BLUE BOOK"), VOLUME 1 AND VOLUME 2.

AT COMPLETION OF THE WASTE DISPOSAL FILL IMPORTATION WORKS, ALL AREAS TO BE APPROPRIATELY STABILISED TO ENSURE ADEQUATE DUST, SOIL AND EROSION CONTROL.

BULK EARTHWORKS NOTES

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 8 TONNE (MN) 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 1000m² OF EXPOSED SUBGRADE
TESTING SHALL BE "LEVEL 1" TESTING IN ACCORDANCE WITH AS 3798 (1996).
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.

SURVEY NOTES

THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY LTS LOCKLEY, 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.

SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT AT & L.

THE FOLLOWING NOTES HAVE BEEN TAKEN DIRECTLY FROM THE ORIGINAL SURVEY DOCUMENTS.

- THE BOUNDARIES HAVE NOT BEEN MARKED
- ALL AREAS AND DIMENSIONS HAVE BEEN COMPILED FROM PLANS MADE AVAILABLE BY THE OFFICE OF LAND & PROPERTY INFORMATION (NSW) AND ARE SUBJECT TO FINAL SURVEY
- ORIGIN OF LEVELS ON A.H.D. IS TAKEN FROM PM25505 R.L. 59.292 (A.H.D.) IN ELIZABETH DRIVE
- CONTOUR INTERVAL 0.5 m
- CONTOURS ARE INDICATIVE ONLY. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION
- KERB LEVELS ARE TO THE TOP OF KERB UNLESS SHOWN OTHERWISE
- FLOOR LEVELS SHOWN ARE THRESHOLD LEVELS. NO INVESTIGATION OF INTERNAL FLOOR LEVELS HAS BEEN UNDERTAKEN
- NO INVESTIGATION OF UNDERGROUND SERVICES HAS BEEN MADE. SERVICES HAVE BEEN PLOTTED FROM RELEVANT AUTHORITIES INFORMATION AND HAVE NOT BEEN SURVEYED. ALL RELEVANT AUTHORITIES SHOULD BE NOTIFIED PRIOR TO ANY EXCAVATION ON OR NEAR THE SITE
- 8/4/7 DENOTES TREE SPREAD OF 8m, TRUNK DIAMETER OF 0.4m & APPROX HEIGHT OF 7m
- SHOWS APPROXIMATE POSITION OF ROAD LINEMARKING AND IS INDICATIVE ONLY
- BEARINGS SHOWN ARE MGA (MAP GRID OF AUSTRALIA) ADD APPROX. 1°00' FOR TRUE NORTH

LEGEND

BENCH MARK	▲
TELSTRA PILLAR	☒ TP
TELSTRA PIT	☒ TEL
ELECTRIC LIGHT POLE	● ELP
ELECTRICITY PILLAR	☒ EPIL
POWER POLE	● PP
STORMWATER PIT	☐ SWPIT
PIT WITH CONCRETE LID	☐ CLID
STREET SIGN	☒ SS
KERB INLET PIT	☒ KIP
SEWER INSPECTION POINT	○ SIP
STOP VALVE	☒ SV
HYDRANT	■ HYD
WATER METER	▶ WM
WATER TAP	⊗ TAP
GAS PILLAR	☒ GPIL
VEHICLE CROSSING	(VC)
PRAM CROSSING	(PC)
WINDOW	W
DOOR	D
HEAD/SILL	H/S
GAS (DBYD)	— G —
TELSTRA (DBYD)	— T —
WATER (DBYD)	— W —
STORMWATER (DBYD)	— SW —
SEWER (DBYD)	— S —
ELECTRICITY (OVERHEAD)	— P —
ELECTRICITY (U'GROUND) (DBYD)	— E —
NATIONAL BROADBAND NETWORK (DBYD)	— NBN —

WORKS LEGEND

EXISTING

	BOUNDARY
	SURFACE LEVEL
	CONTOUR (0.5m INTERVAL)
	FENCE
	TREE
	TREE TO BE REMOVED
	PMF EXTENT
	100 YR FLOOD EXTENT
	E2 ZONE
PROPOSED	
	PROPOSED FUTURE LOT BOUNDARY
	PROPOSED CONTOUR (0.5m INTERVAL)
	PROPOSED CONTOUR (0.25m INTERVAL)
	PROPOSED EARTHWORKS LEVEL
	BATTER
	BATTER SLOPE

EROSION & SEDIMENT LEGEND

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

LEVELS SHOWN ON
PLANS T.B.C. ±1m



DIAL BEFORE
YOU DIG
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Status **FOR APPROVAL**
NOT TO BE USED FOR CONSTRUCTION
Project No. -Drawing No.
16-369-C0001

A1
E

E	ISSUE FOR DEVELOPMENT APPLICATION	20-08-20
D	ISSUE FOR DEVELOPMENT APPLICATION	21-11-19
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A	ISSUE FOR DEVELOPMENT APPLICATION	29-03-19
Issue	Description	Date

100mm on Original

LEGEND

NOTE:
ALL SPOIL MATERIAL VOLUMES TO BE
VALIDATED VIA RECEIPT OF LOADRITE DATA,
WEIGH-BRIDGE DOCKETS FROM SOURCE
SITE OR TRUCK ONBOARD LOADSCALE DATA.

TEMPORARY CONSTRUCTION- FENCING

INDICATIVE SITE ACCESS LOCATIONS
TO SUIT CONSTRUCTION STAGING -

LOT 4
DP 860456

LOT 741
DP 810111

LOT 5
DP 860456

EXISTING 1 IN 100 YEAR FLOOD EXTENT AS DETAILED
WITHIN THE SOUTH CREEK FLOODPLAIN RISK
MANAGEMENT STUDY (DATED FEBRUARY 2020) AS
ADOPTED BY PENRITH CITY COUNCIL ON APRIL 2020.

ELIZABETH DRIVE

LOT 10
DP 860338

LOT 11
DP 860338

LOT 10
DP 226448

LOT 11
DP 226448

LOT 12
DP 226448

LOT 1
DP 553886

LOT 2
DP 553886

LOT 4
DP 858141

Bar Scales

0 30 60 90 120 150m

Key Plan



Scales
1 : 1500

Grid	MGA
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Height	AHD
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Drawn	IP
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Designed	JB
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Checked	AMc
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Approved	
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	Project
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**ELIZABETH ENTERPRISE
PRECINCT
BULK EARTHWORKS**

	Title
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GENERAL ARRANGEMENT PLAN

Civil Engineers and Project Managers



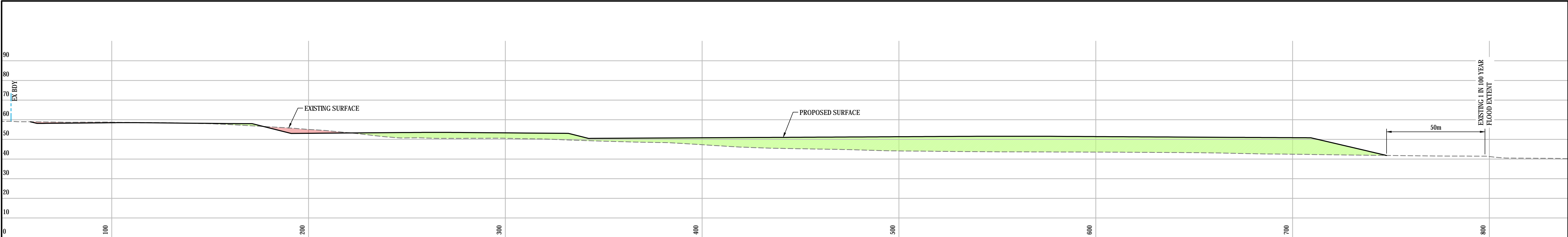
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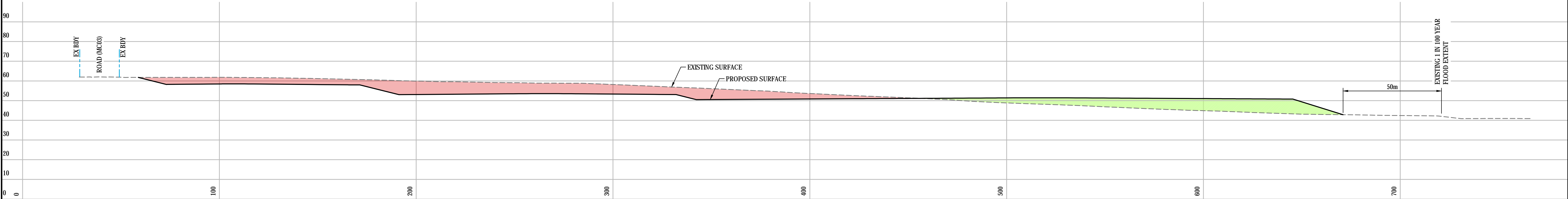
Project No.-Drawing No.

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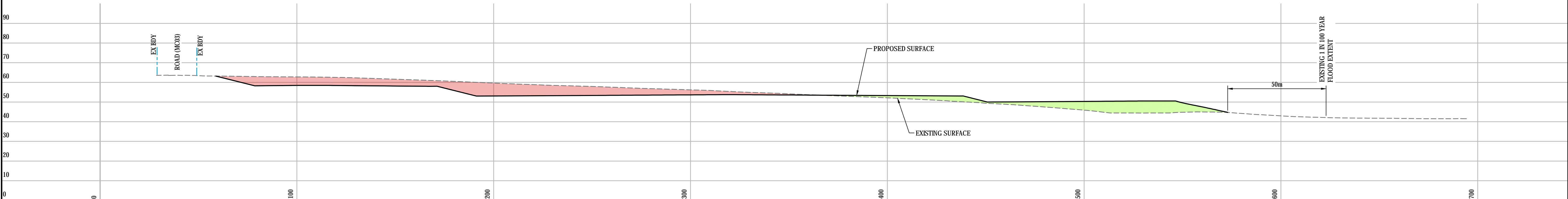
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SECTION 1
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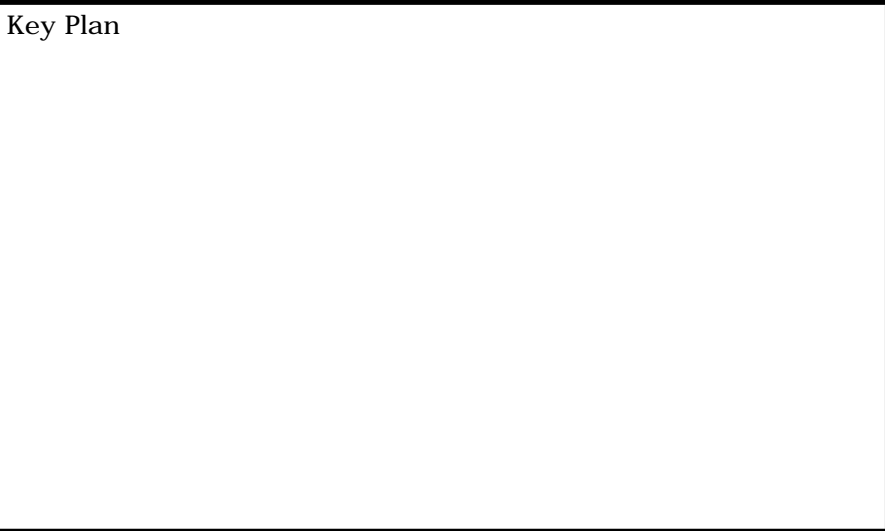
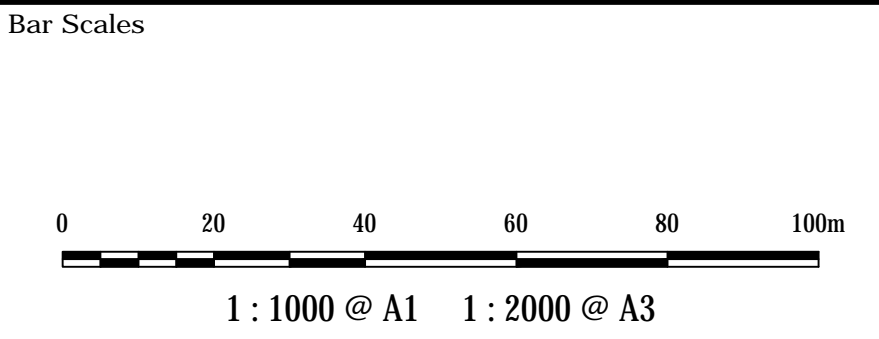


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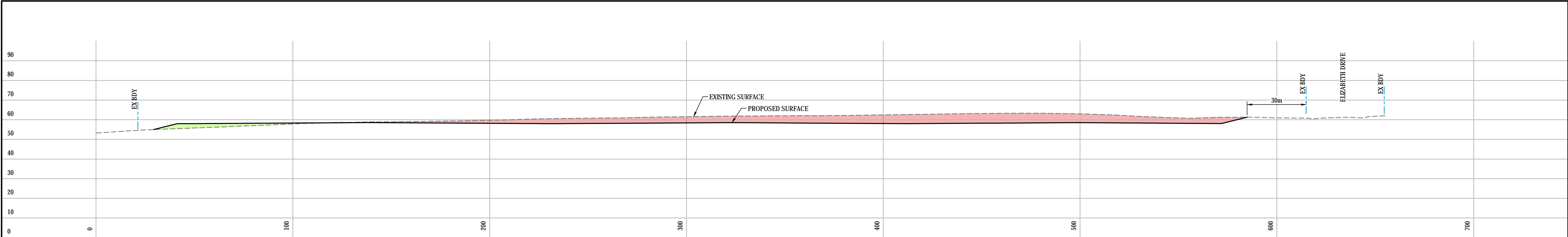
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D	ISSUE FOR DEVELOPMENT APPLICATION	21-11-19
C	ISSUE FOR DEVELOPMENT APPLICATION	04-11-19
B	ISSUE FOR DEVELOPMENT APPLICATION	19-07-19
A	ISSUE FOR DEVELOPMENT APPLICATION	29-03-19
Issue	Description	Date



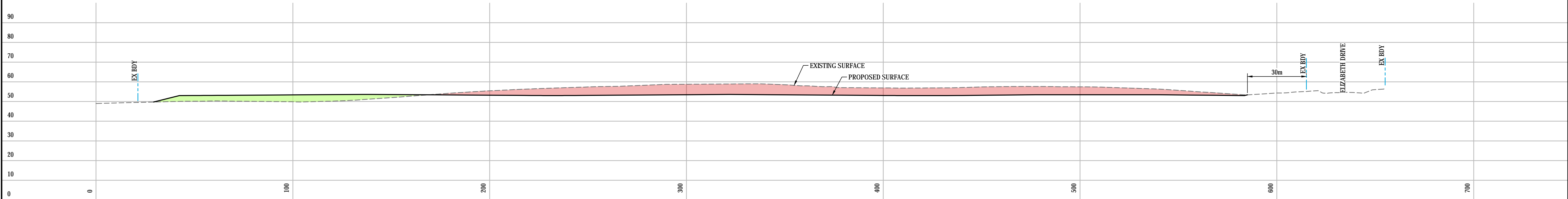
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THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L			

Project	ELIZABETH ENTERPRISE PRECINCT BULK EARTHWORKS
Title	TYPICAL SECTIONS SHEET 1

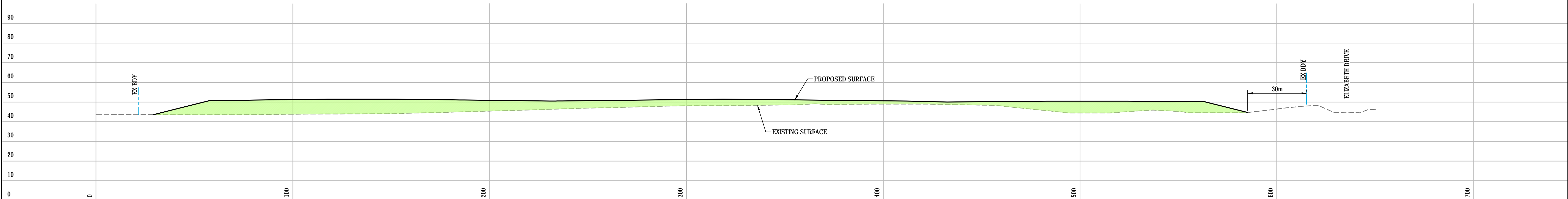
Civil Engineers and Project Managers		
at&l		
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project No. -Drawing No.	16-369-C0011	Issue E



SECTION 4
1 : 1000



SECTION 5
1 : 1000

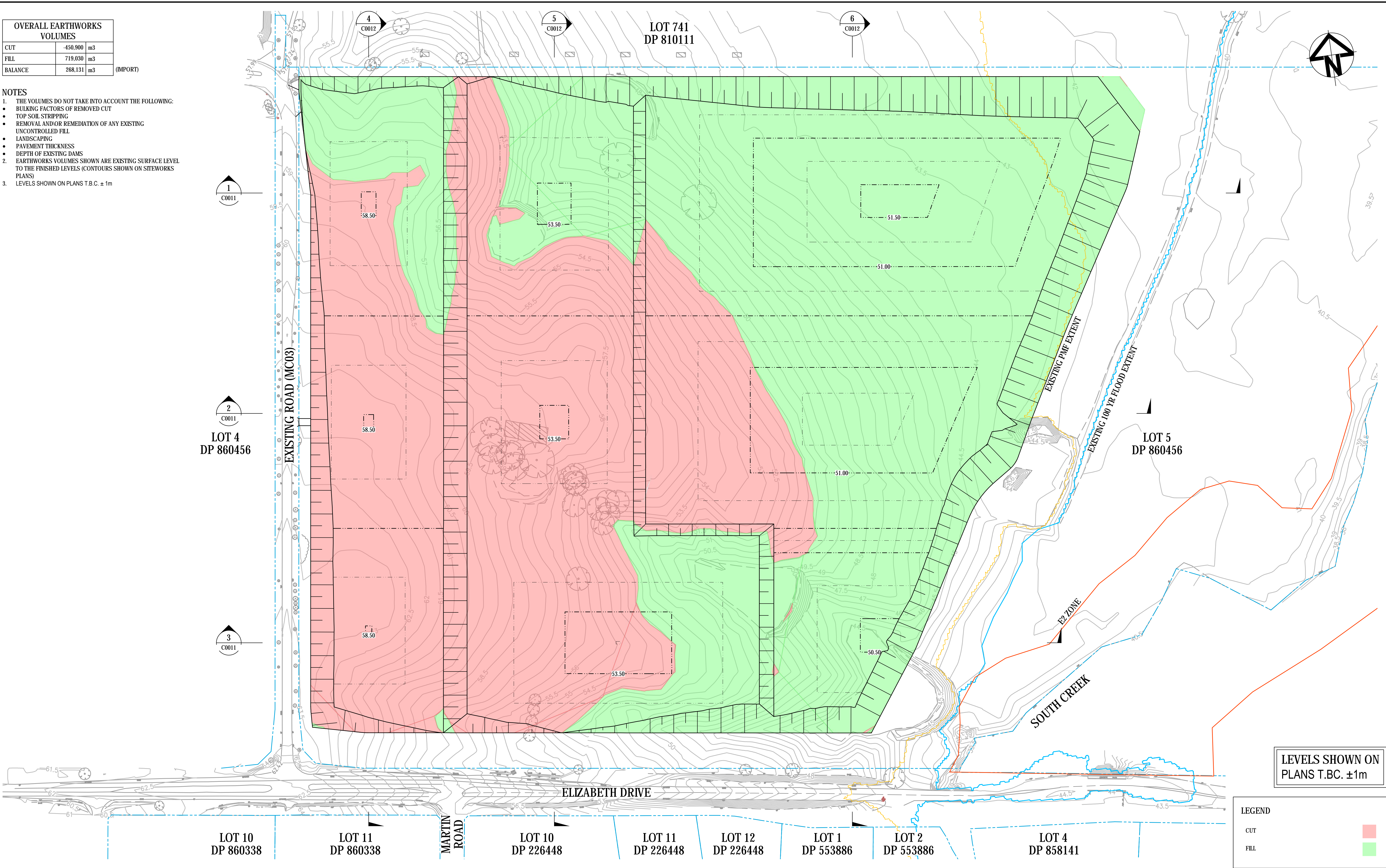


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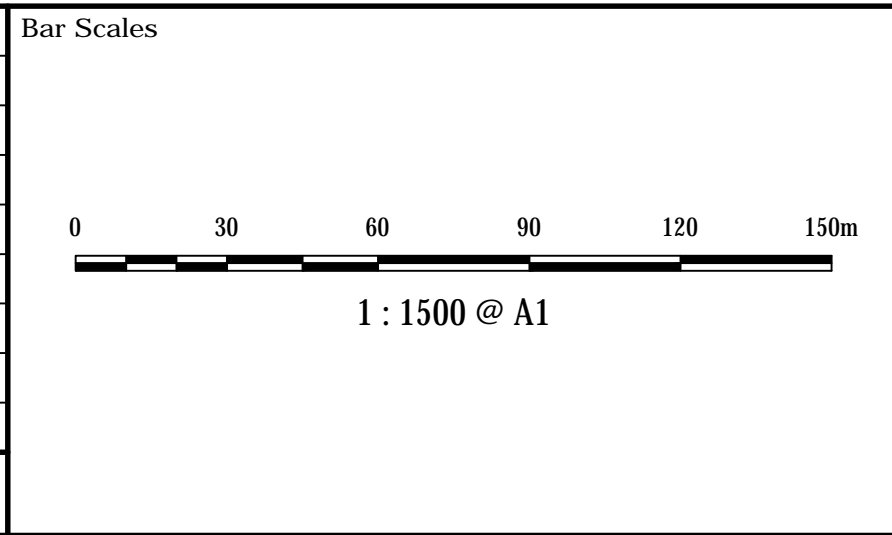
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						AS SHOWN	Designed	JB	ELIZABETH ENTERPRISE PRECINCT BULK EARTHWORKS	at&l Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au
						Grid MGA	Checked	AMc		
						Height Datum AHD	Approved			
						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			TITLE	
									TYPICAL SECTIONS SHEET 2	
									Project No. -Drawing No.	Issue
									16-369-C0012	E
E	ISSUE FOR DEVELOPMENT APPLICATION	20-08-20								
D	ISSUE FOR DEVELOPMENT APPLICATION	21-11-19								
C	ISSUE FOR DEVELOPMENT APPLICATION	04-11-19								
B	ISSUE FOR DEVELOPMENT APPLICATION	19-07-19								
A	ISSUE FOR DEVELOPMENT APPLICATION	29-03-19								
Issue	Description	Date								

OVERALL EARTHWORKS VOLUMES		
CUT	-450,900	m3
FILL	719,030	m3
BALANCE	268,131	m3 (IMPORT)

- NOTES
- THE VOLUMES DO NOT TAKE INTO ACCOUNT THE FOLLOWING:
 - BULKING FACTORS OF REMOVED CUT
 - TOP SOIL STRIPPING
 - REMOVAL AND/OR REMEDIATION OF ANY EXISTING UNCONTROLLED FILL
 - LANDSCAPING
 - PAVEMENT THICKNESS
 - DEPTH OF EXISTING DAMS
 - EARTHWORKS VOLUMES SHOWN ARE EXISTING SURFACE LEVEL TO THE FINISHED LEVELS (CONTOURS SHOWN ON SITEWORKS PLANS)
 - LEVELS SHOWN ON PLANS T.B.C. ± 1m



Issue	Description	Date
F	ISSUE FOR DEVELOPMENT APPLICATION	20-08-20
E	ISSUE FOR DEVELOPMENT APPLICATION	25-11-19
D	ISSUE FOR DEVELOPMENT APPLICATION	21-11-19
C	ISSUE FOR DEVELOPMENT APPLICATION	04-11-19
B	ISSUE FOR DEVELOPMENT APPLICATION	19-07-19
A	ISSUE FOR DEVELOPMENT APPLICATION	29-03-19




Scales	1 : 1500	Drawn	JB
Grid	MGA	Designed	JB
Height Datum	AHD	Checked	AMc
		Approved	
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Project	ELIZABETH ENTERPRISE PRECINCT BULK EARTHWORKS
Title	BULK EARTHWORKS CUT / FILL PLAN

Civil Engineers and Project Managers	
at&i	
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.ati.net.au info@ati.net.au	
Status	FOR APPROVAL
Project No. - Drawing No.	16-369-C0200
Issue	F



Bar Scales



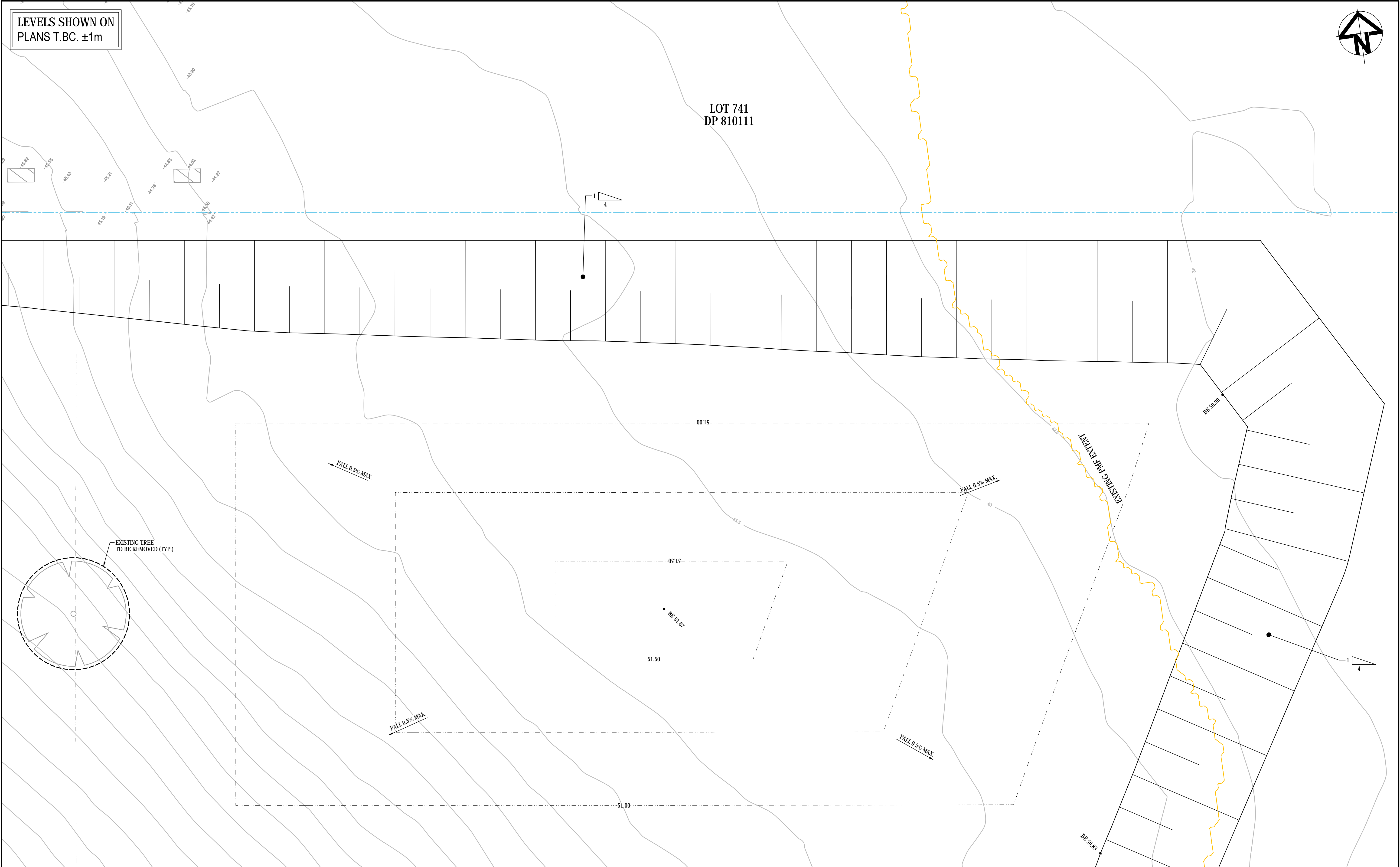
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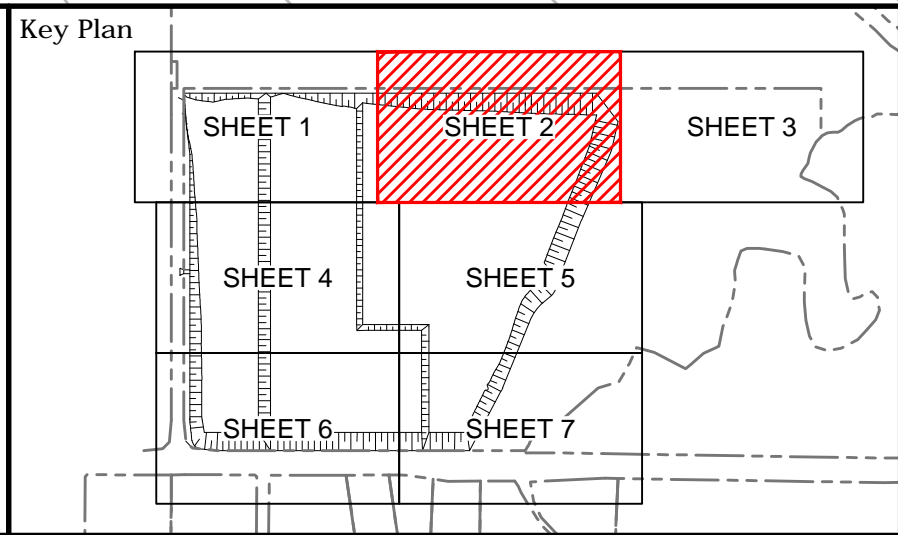
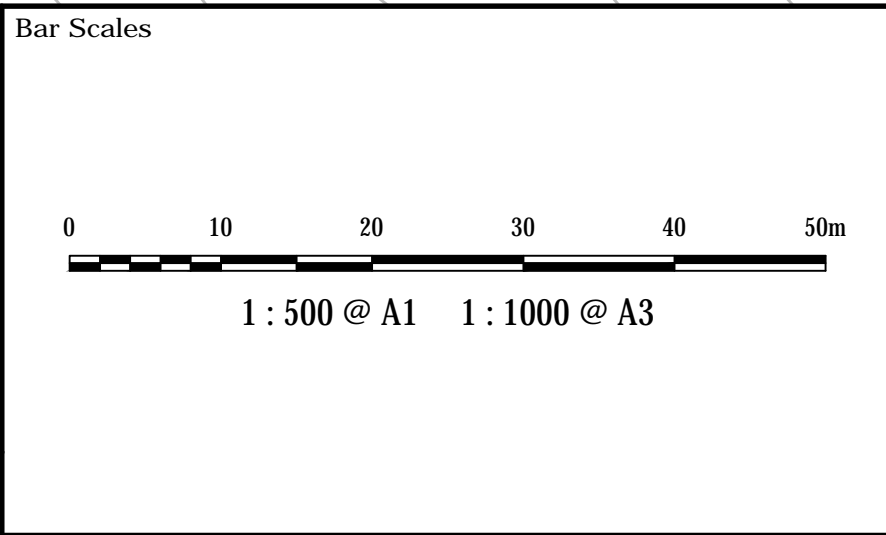


Project	ELIZABETH ENTERPRISE PRECINCT BULK EARTHWORKS
Title	BULK EARTHWORKS PLAN SHEET 1

<p>Civil Engineers and Project Managers</p> <p>at&I</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>Status</p> <p>FOR APPROVAL</p> <p><u>NOT TO BE USED FOR CONSTRUCTION</u></p> <p>Project No. - Drawing No.</p> <p>16-369-C0211</p>	<p>A1</p> <p>Issue</p> <p>E</p>



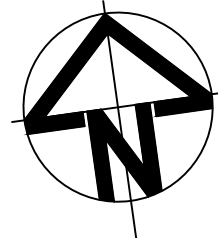
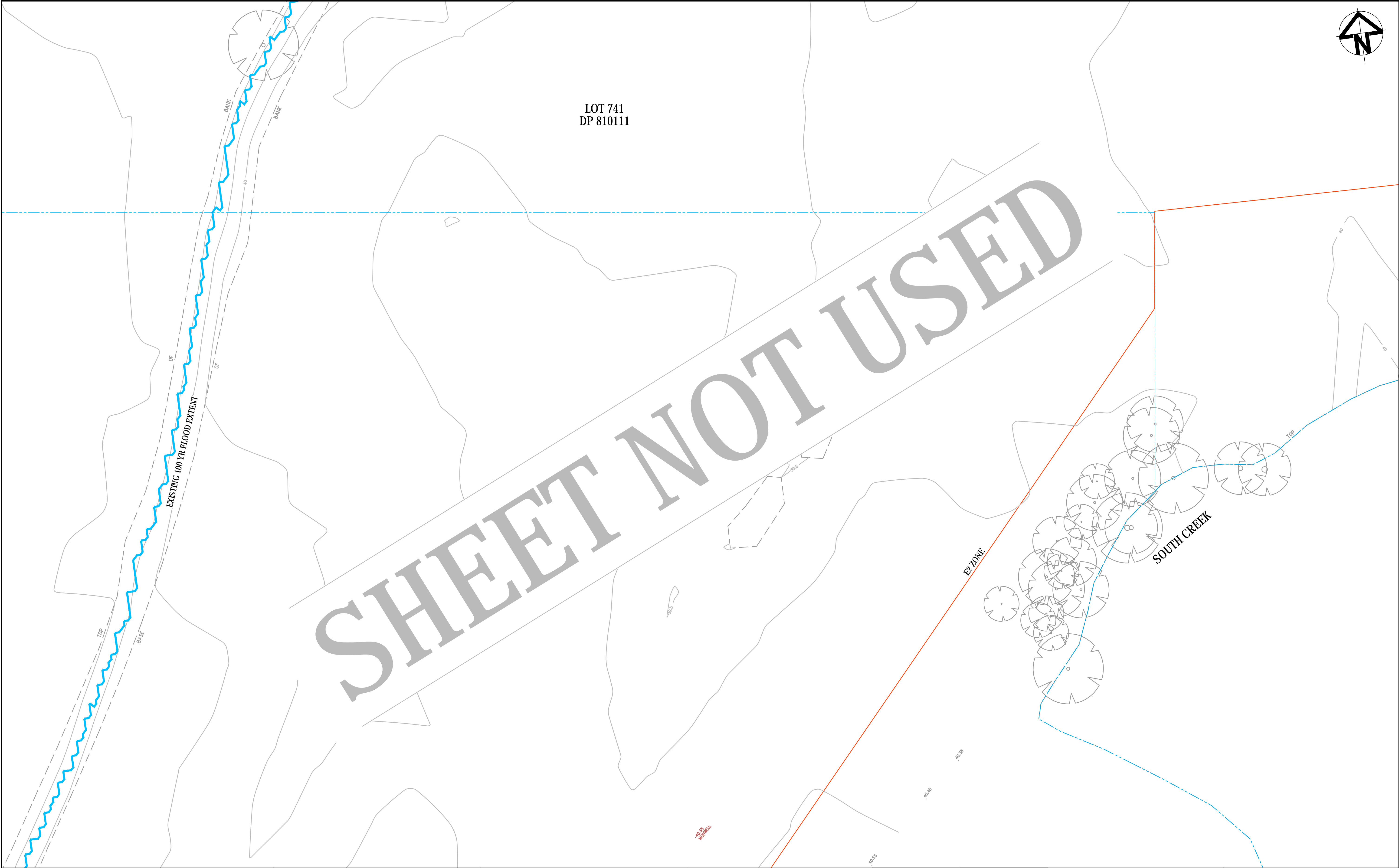
E	ISSUE FOR DEVELOPMENT APPLICATION	20-08-20
D	ISSUE FOR DEVELOPMENT APPLICATION	21-11-19
C	ISSUE FOR DEVELOPMENT APPLICATION	04-11-19
B	ISSUE FOR DEVELOPMENT APPLICATION	19-07-19
A	ISSUE FOR DEVELOPMENT APPLICATION	29-03-19
Issue	Description	Date



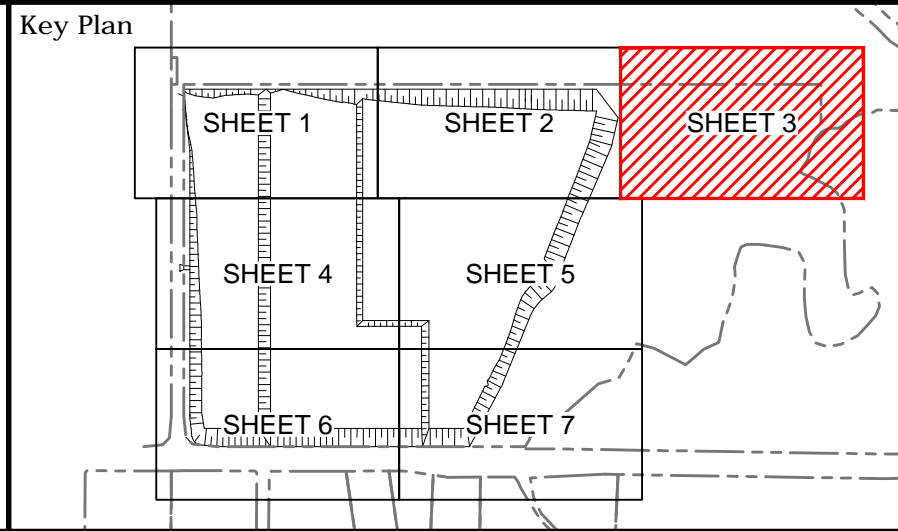
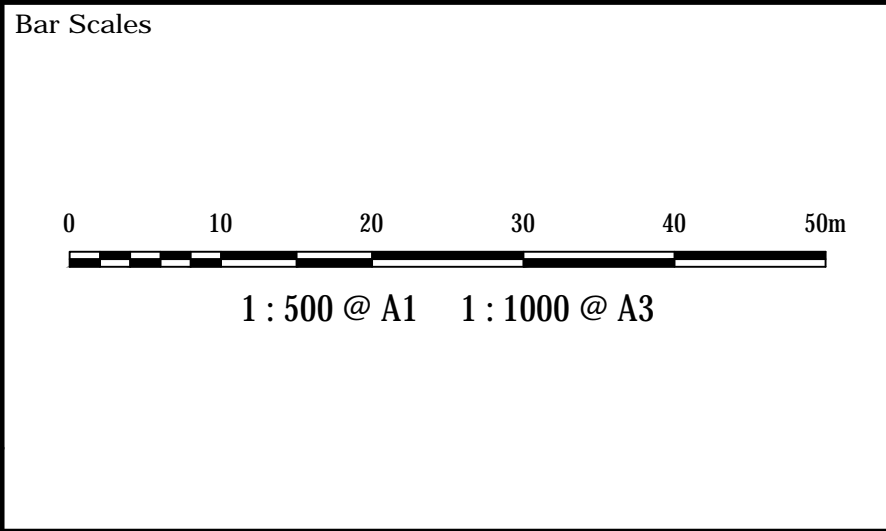
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Grid	MCA	Checked	AMc
Height Datum	AHD	Approved	
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Project	ELIZABETH ENTERPRISE PRECINCT BULK EARTHWORKS
Title	BULK EARTHWORKS PLAN SHEET 2

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	A1
Project No. - Drawing No.	16-369-C0212	Issue E




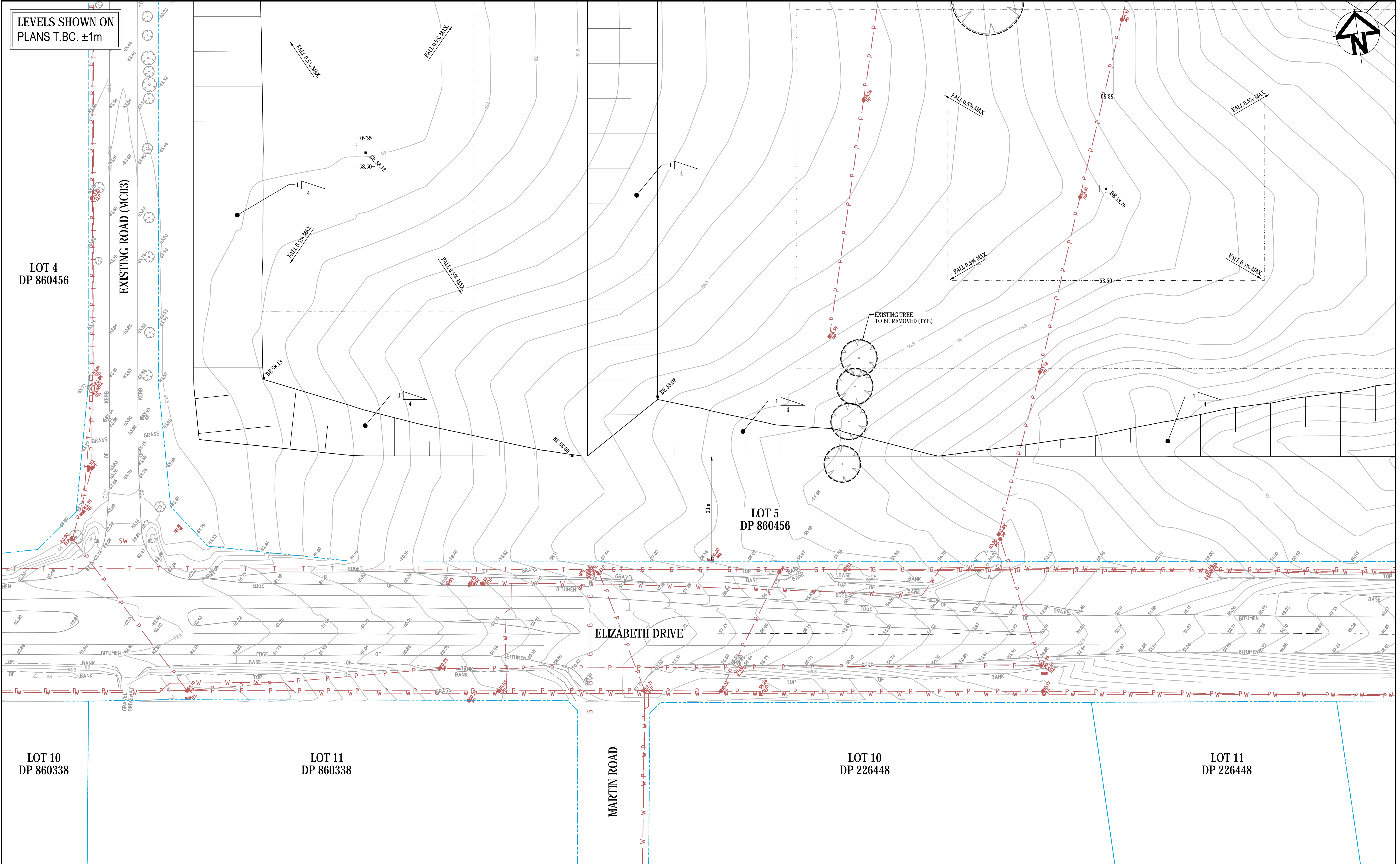
E	ISSUE FOR DEVELOPMENT APPLICATION	20-08-20
D	ISSUE FOR DEVELOPMENT APPLICATION	21-11-19
C	ISSUE FOR DEVELOPMENT APPLICATION	04-11-19
B	ISSUE FOR DEVELOPMENT APPLICATION	19-07-19
A	ISSUE FOR DEVELOPMENT APPLICATION	29-03-19
Issue	Description	Date



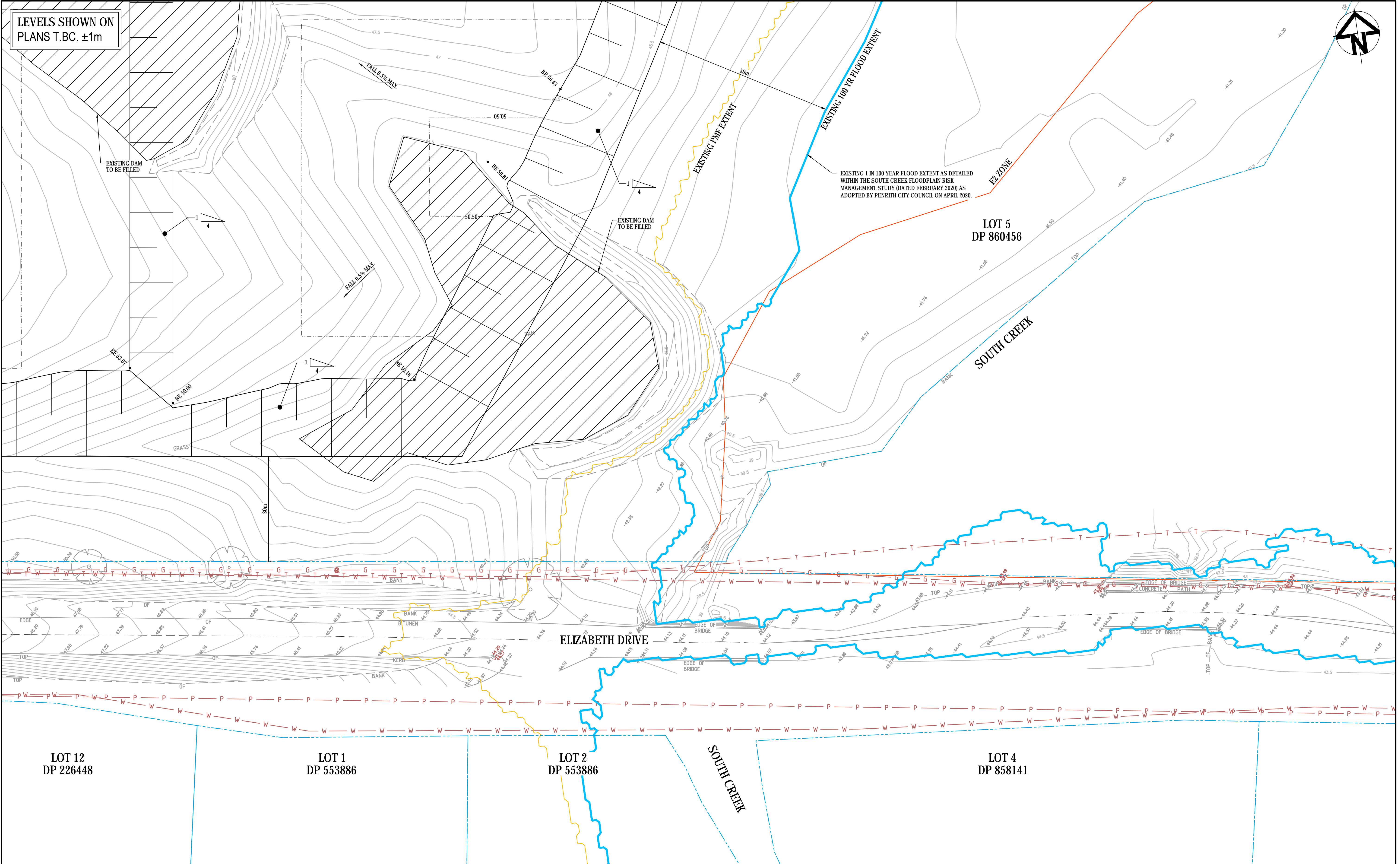
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Grid	MGA	Checked	AMc
Height Datum	AHD	Approved	
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Project	ELIZABETH ENTERPRISE PRECINCT BULK EARTHWORKS
Title	BULK EARTHWORKS PLAN SHEET 3

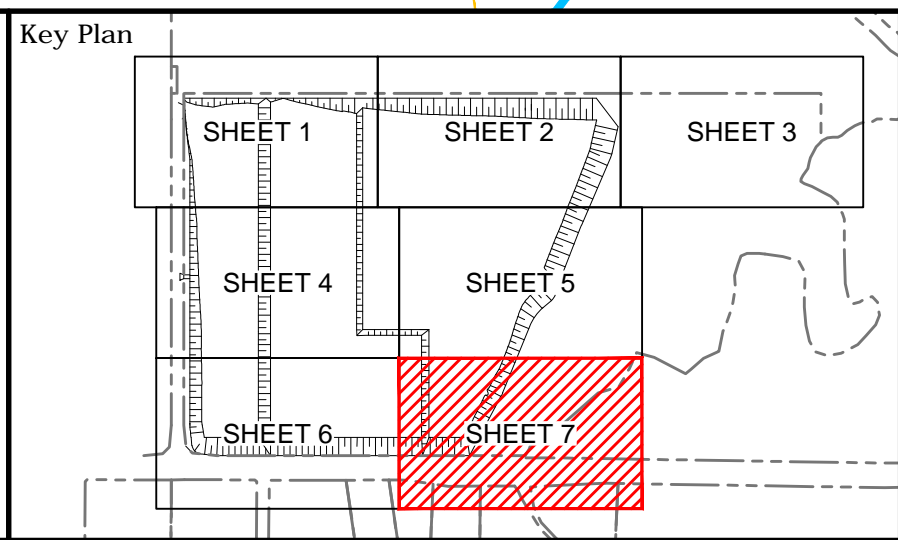
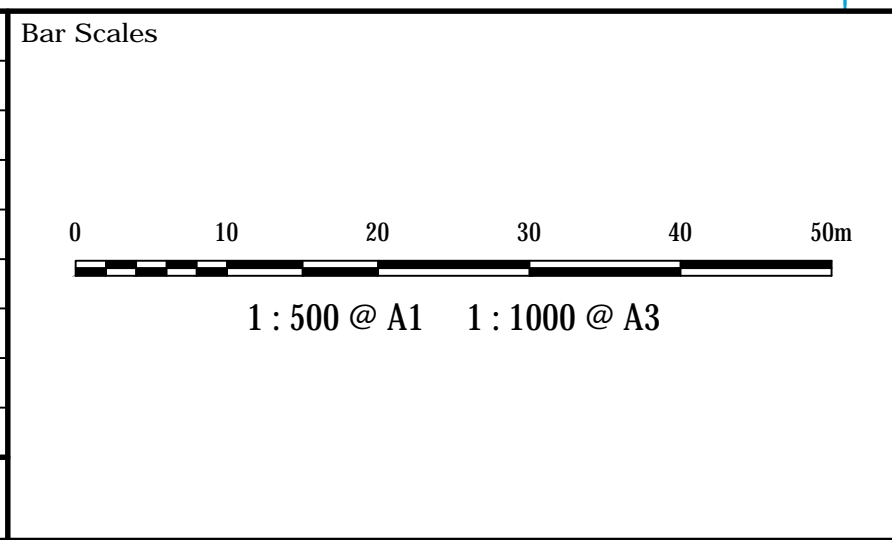
Civil Engineers and Project Managers		
		
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project No. - Drawing No.	16-369-C0213	Issue E



			Bar Scales		Key Plan	Client	Scales	Drawn	JB	Project	Civil Engineers and Project Managers						
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			1 : 500 @ A1 1 : 1000 @ A3														
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E	ISSUE FOR DEVELOPMENT APPLICATION	20-08-20
D	ISSUE FOR DEVELOPMENT APPLICATION	21-11-19
C	ISSUE FOR DEVELOPMENT APPLICATION	04-11-19
B	ISSUE FOR DEVELOPMENT APPLICATION	19-07-19
A	ISSUE FOR DEVELOPMENT APPLICATION	29-03-19
Issue	Description	Date



Client

Scales	1 : 500	Drawn	JB
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Grid	MGA	Checked	AMc
Height Datum	AHD	Approved	
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Project

**ELIZABETH ENTERPRISE
PRECINCT
BULK EARTHWORKS**

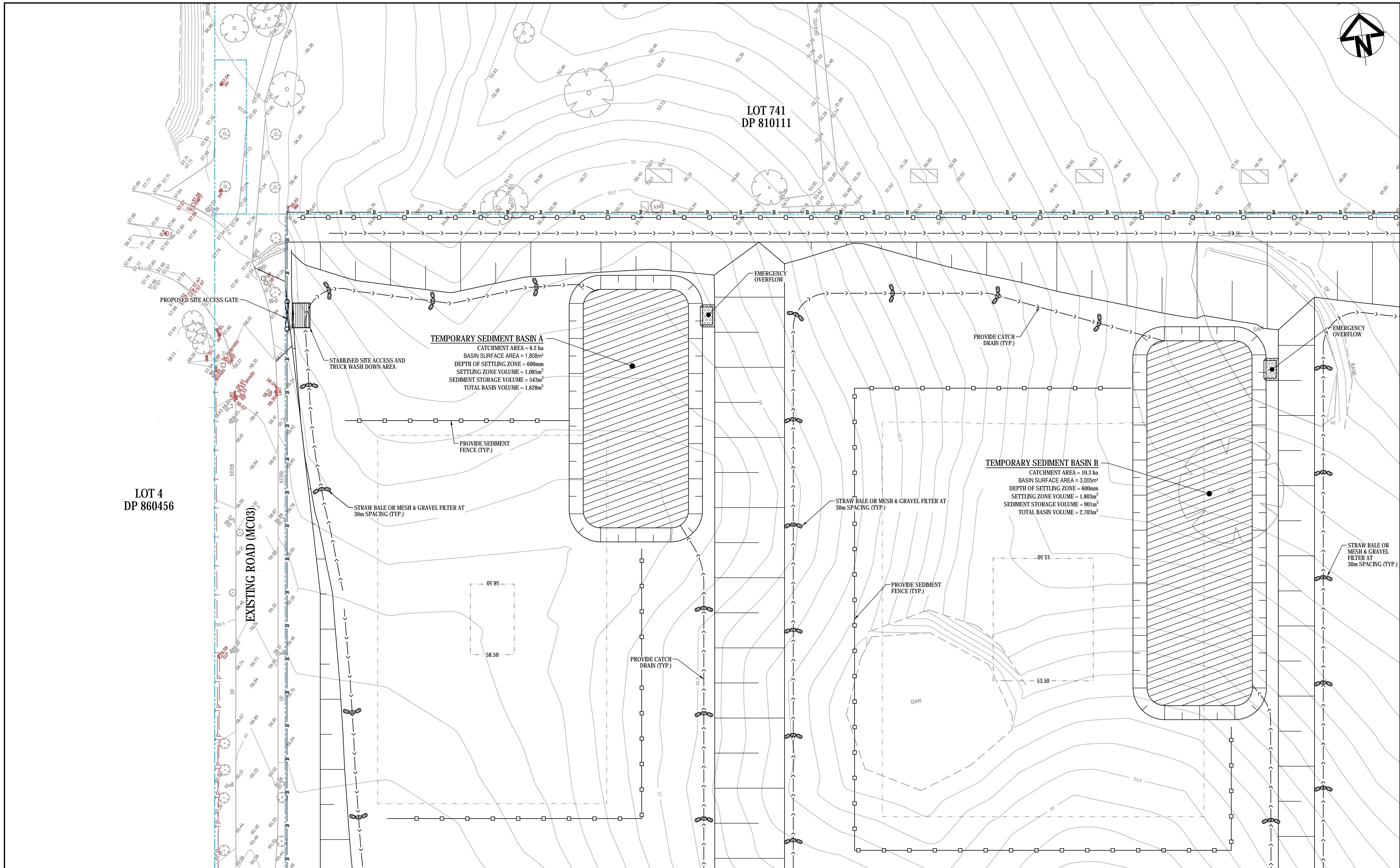
Title

**BULK EARTHWORKS
PLAN
SHEET 7**

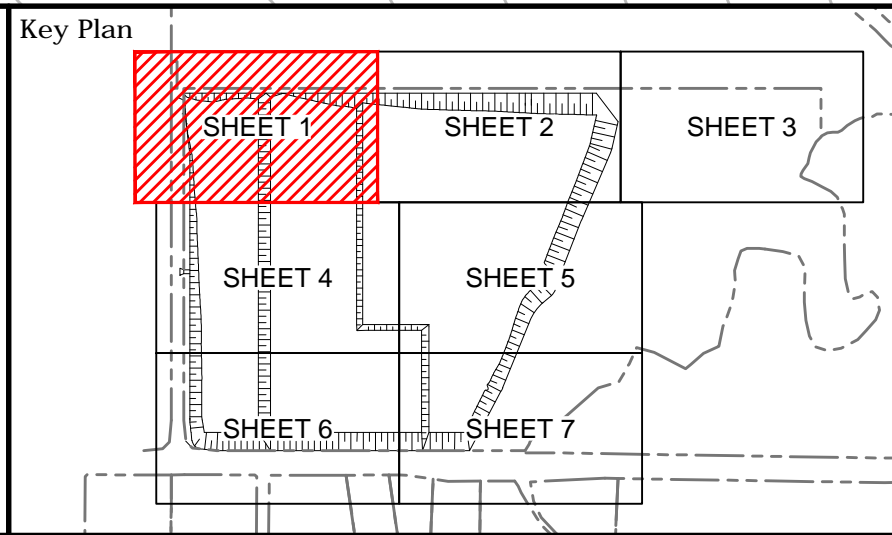
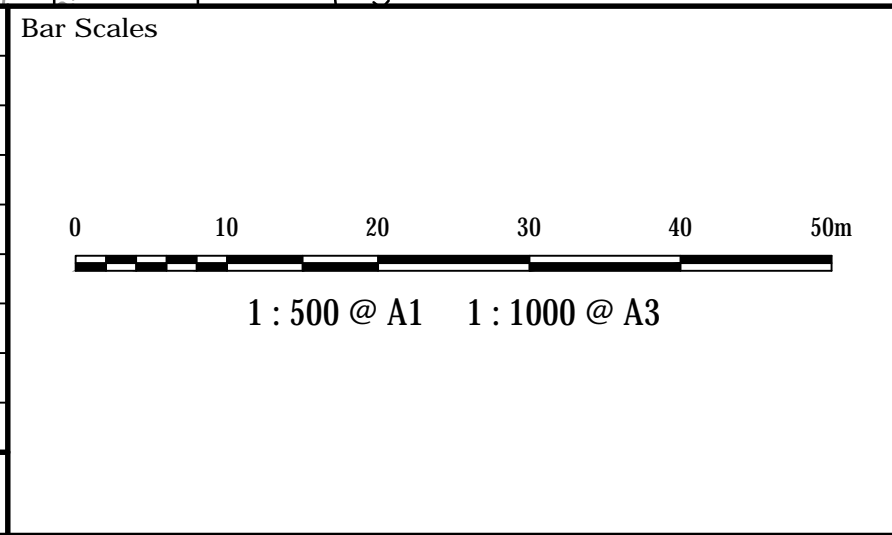
Civil Engineers and Project Managers

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	A1
NOT TO BE USED FOR CONSTRUCTION		Issue
Project No. -Drawing No.		E
16-369-C0217		



E	ISSUE FOR DEVELOPMENT APPLICATION	20-08-20
D	ISSUE FOR DEVELOPMENT APPLICATION	21-11-19
C	ISSUE FOR DEVELOPMENT APPLICATION	04-11-19
B	ISSUE FOR DEVELOPMENT APPLICATION	19-07-19
A	ISSUE FOR DEVELOPMENT APPLICATION	29-03-19
Issue	Description	Date



Client

Scales	1 : 500	Drawn	JB
Grid	MCA	Designed	JB
Height Datum	AHD	Checked	AMc
		Approved	
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Project

**ELIZABETH ENTERPRISE
PRECINCT
BULK EARTHWORKS**

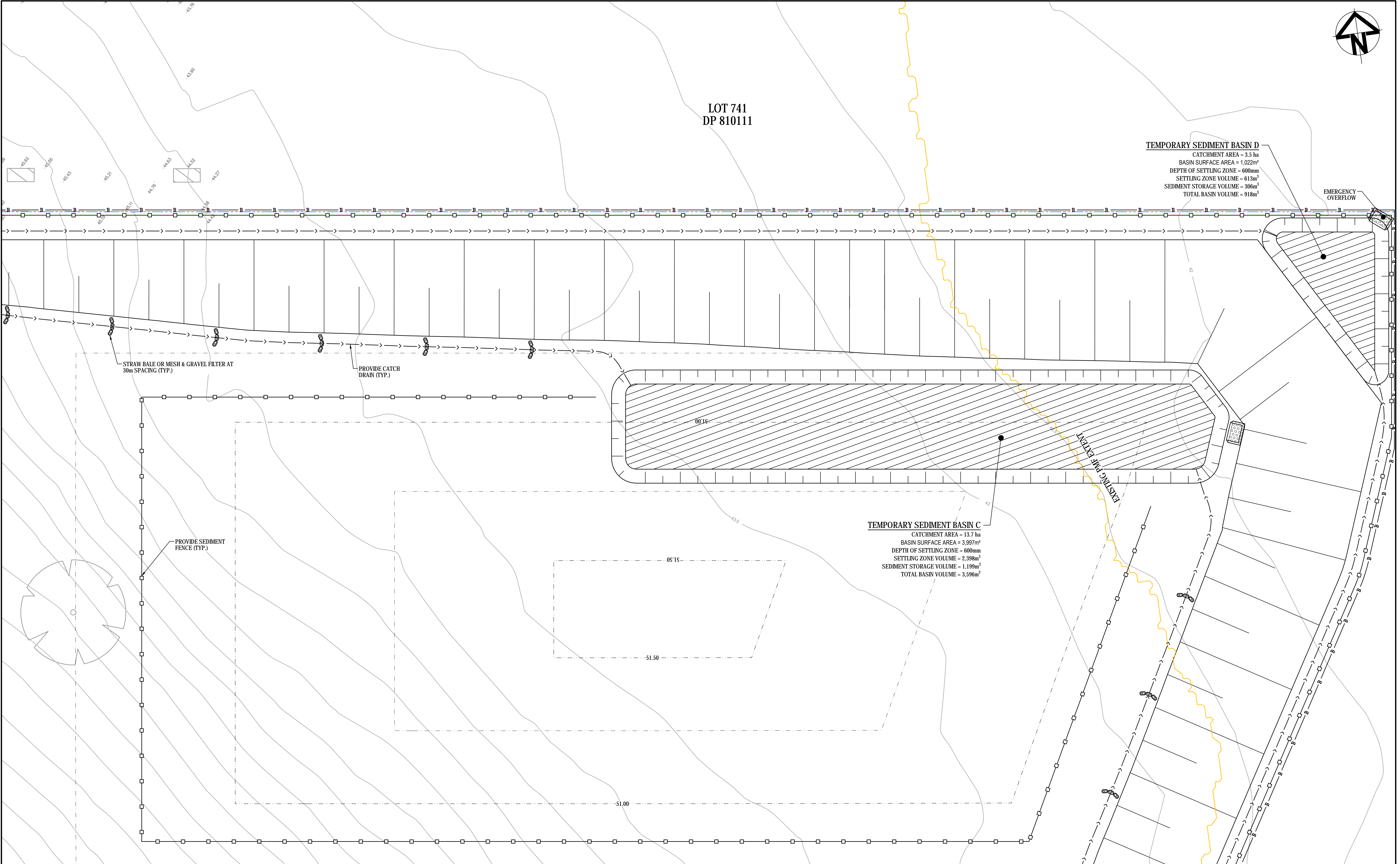
Title

**EROSION & SEDIMENT
CONTROL PLAN
SHEET 1**

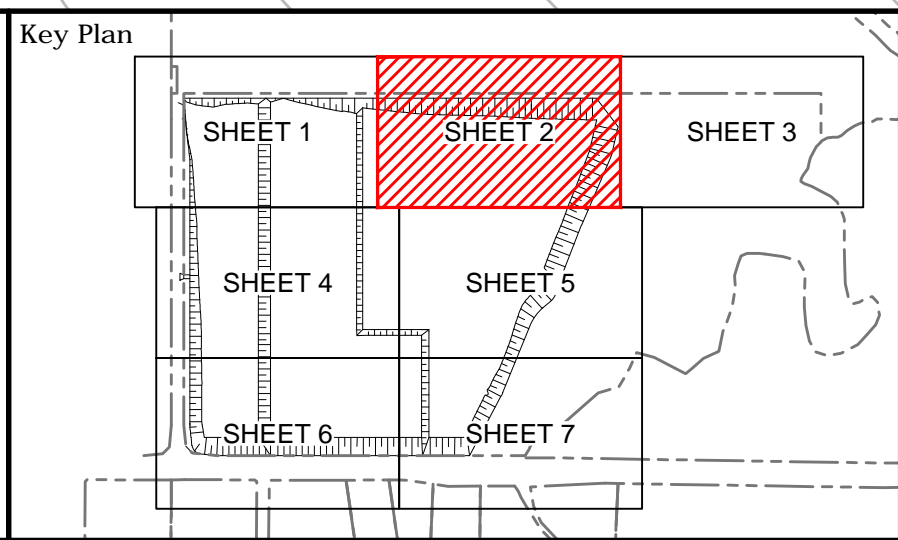
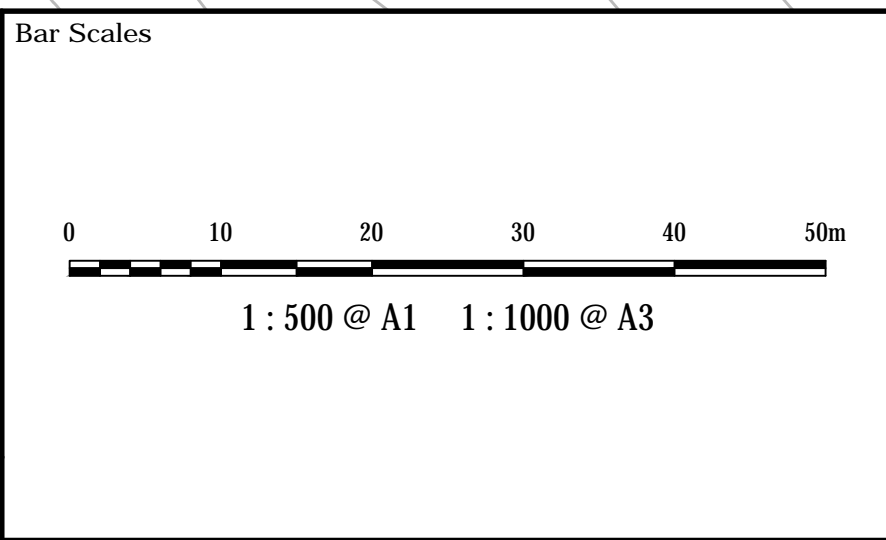
Civil Engineers and Project Managers

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 No. -Drawing No.	16-369-C0601	Issue
		E



E	ISSUE FOR DEVELOPMENT APPLICATION	20-08-20
D	ISSUE FOR DEVELOPMENT APPLICATION	21-11-19
C	ISSUE FOR DEVELOPMENT APPLICATION	04-11-19
B	ISSUE FOR DEVELOPMENT APPLICATION	19-07-19
A	ISSUE FOR DEVELOPMENT APPLICATION	29-03-19
Issue	Description	Date



Client

Scales	1 : 500
Grid	MGA
Height Datum	AHD
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Drawn	JB
Designed	JB
Checked	AMc
Approved	

Project

**ELIZABETH ENTERPRISE
PRECINCT
BULK EARTHWORKS**

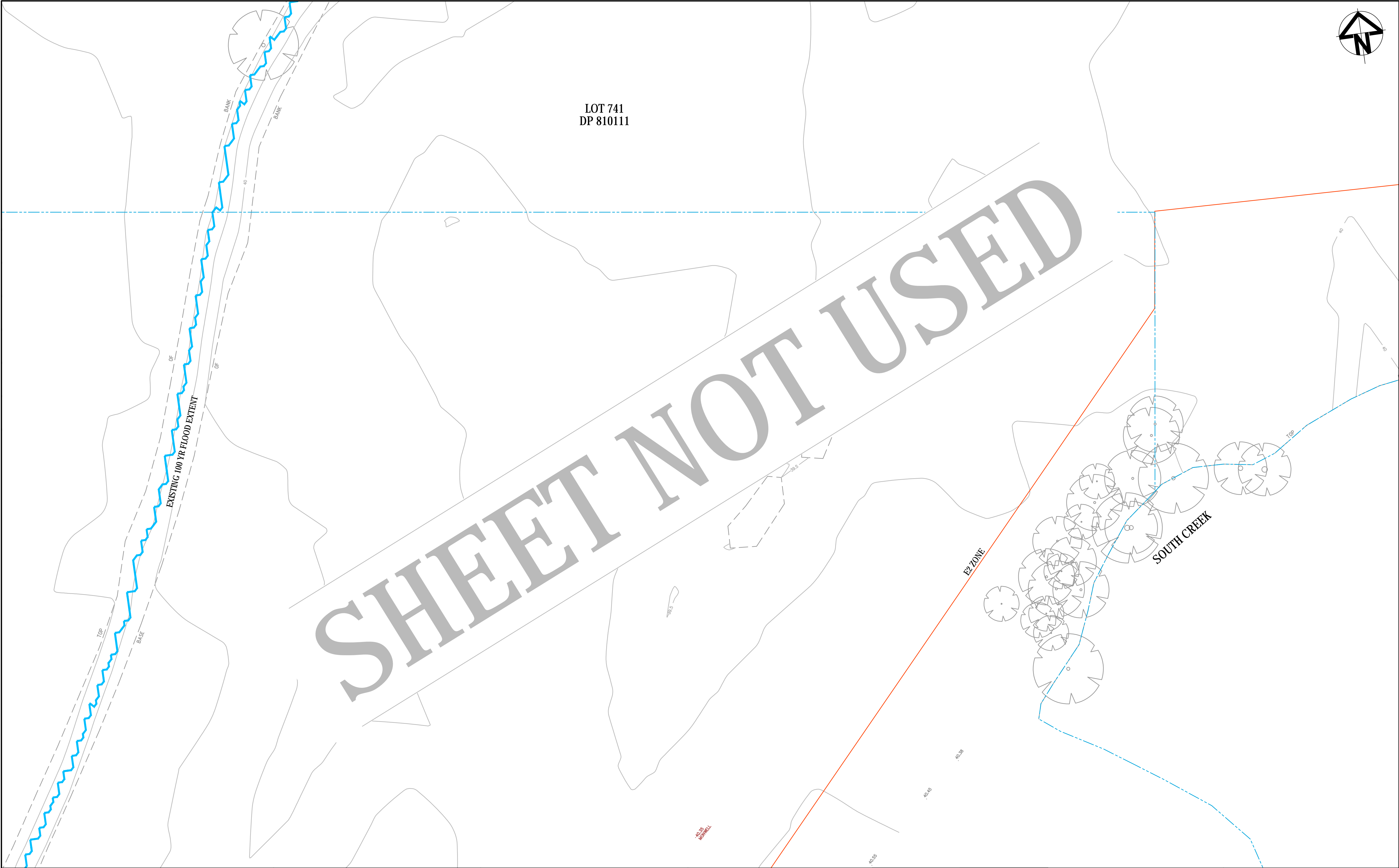
Title

**EROSION & SEDIMENT
CONTROL PLAN
SHEET 2**

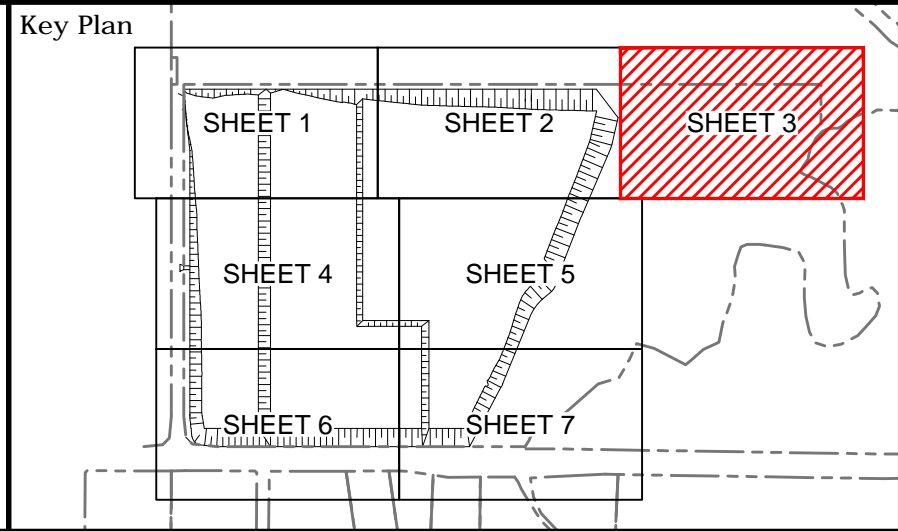
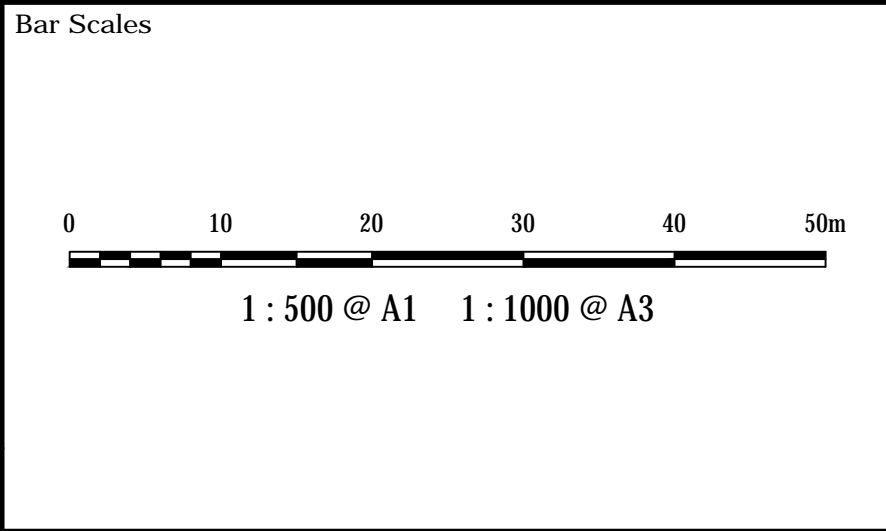
Civil Engineers and Project Managers

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	A1
NOT TO BE USED FOR CONSTRUCTION		
Project No. -Drawing No.	16-369-C0602	Issue
		E



E	ISSUE FOR DEVELOPMENT APPLICATION	20-08-20
D	ISSUE FOR DEVELOPMENT APPLICATION	21-11-19
C	ISSUE FOR DEVELOPMENT APPLICATION	04-11-19
B	ISSUE FOR DEVELOPMENT APPLICATION	19-07-19
A	ISSUE FOR DEVELOPMENT APPLICATION	29-03-19
Issue	Description	Date



Client

Scales	1 : 500	Drawn	JB
		Designed	JB
Grid	MCA	Checked	AMc
Height Datum	AHD	Approved	
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Project

**ELIZABETH ENTERPRISE
PRECINCT
BULK EARTHWORKS**

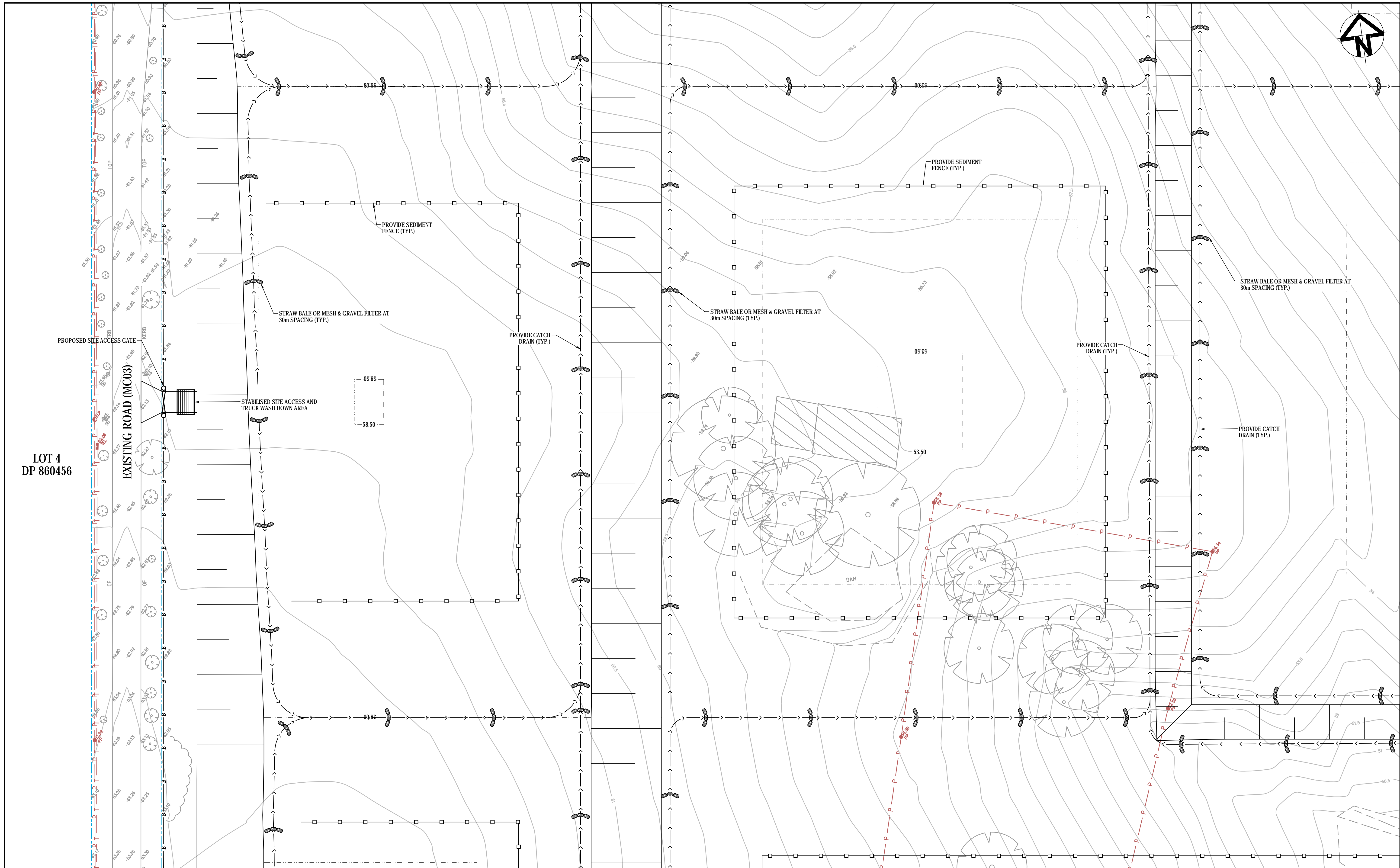
Title

**EROSION & SEDIMENT
CONTROL PLAN
SHEET 3**

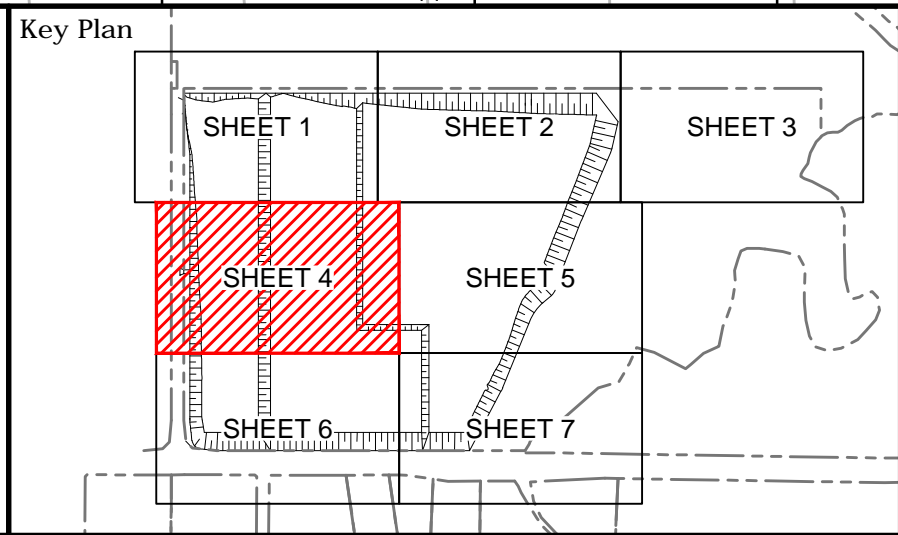
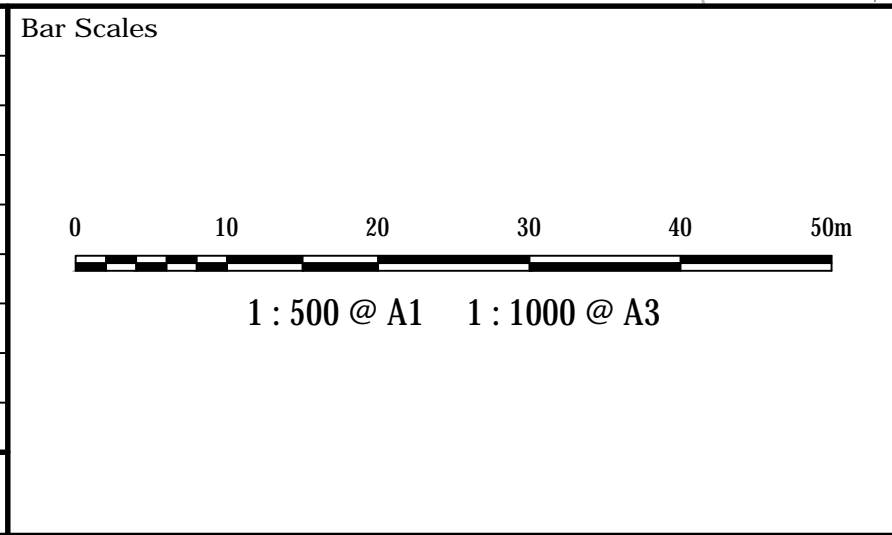
Civil Engineers and Project Managers

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	A1
NOT TO BE USED FOR CONSTRUCTION		Issue
Project No. -Drawing No.		E
16-369-C0603		



Issue	Description	Date
F	ISSUE FOR DEVELOPMENT APPLICATION	20-08-20
E	ISSUE FOR DEVELOPMENT APPLICATION	25-11-19
D	ISSUE FOR DEVELOPMENT APPLICATION	21-11-19
C	ISSUE FOR DEVELOPMENT APPLICATION	04-11-19
B	ISSUE FOR DEVELOPMENT APPLICATION	19-07-19
A	ISSUE FOR DEVELOPMENT APPLICATION	29-03-19



Client

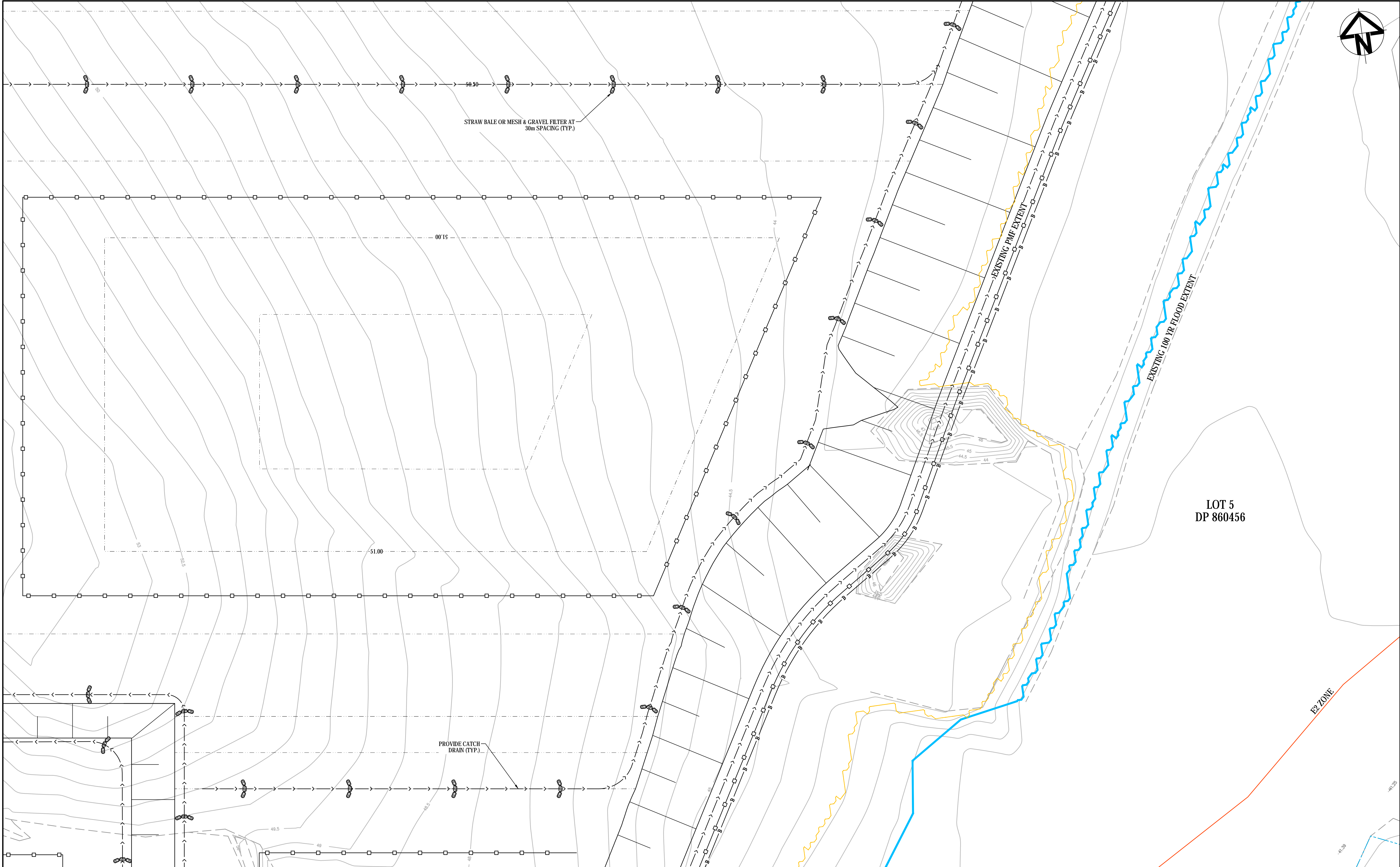
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Height Datum	AHD
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Drawn	JB
Designed	JB
Checked	AMc
Approved	
Project	ELIZABETH ENTERPRISE PRECINCT BULK EARTHWORKS
Title	EROSION & SEDIMENT CONTROL PLAN SHEET 4

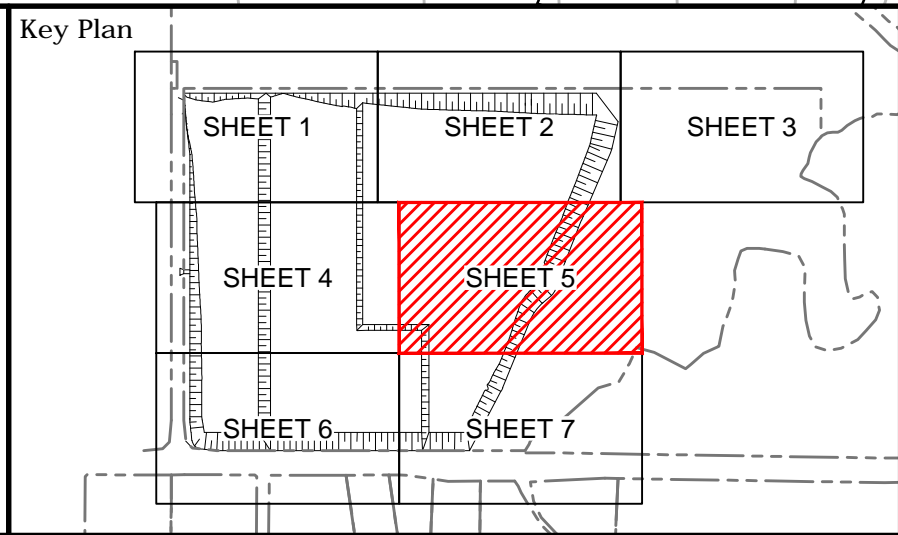
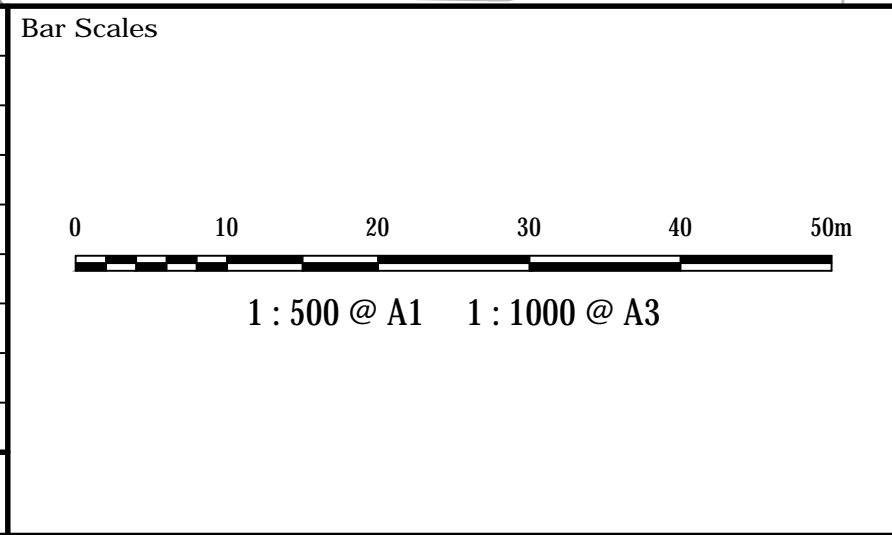
Civil Engineers and Project Managers

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North Sydney NSW 2060
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Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project No. -Drawing No.	16-369-C0604	Issue F



F	ISSUE FOR DEVELOPMENT APPLICATION	20-08-20
E	ISSUE FOR DEVELOPMENT APPLICATION	25-11-19
D	ISSUE FOR DEVELOPMENT APPLICATION	21-11-19
C	ISSUE FOR DEVELOPMENT APPLICATION	04-11-19
B	ISSUE FOR DEVELOPMENT APPLICATION	19-07-19
A	ISSUE FOR DEVELOPMENT APPLICATION	29-03-19
Issue	Description	Date

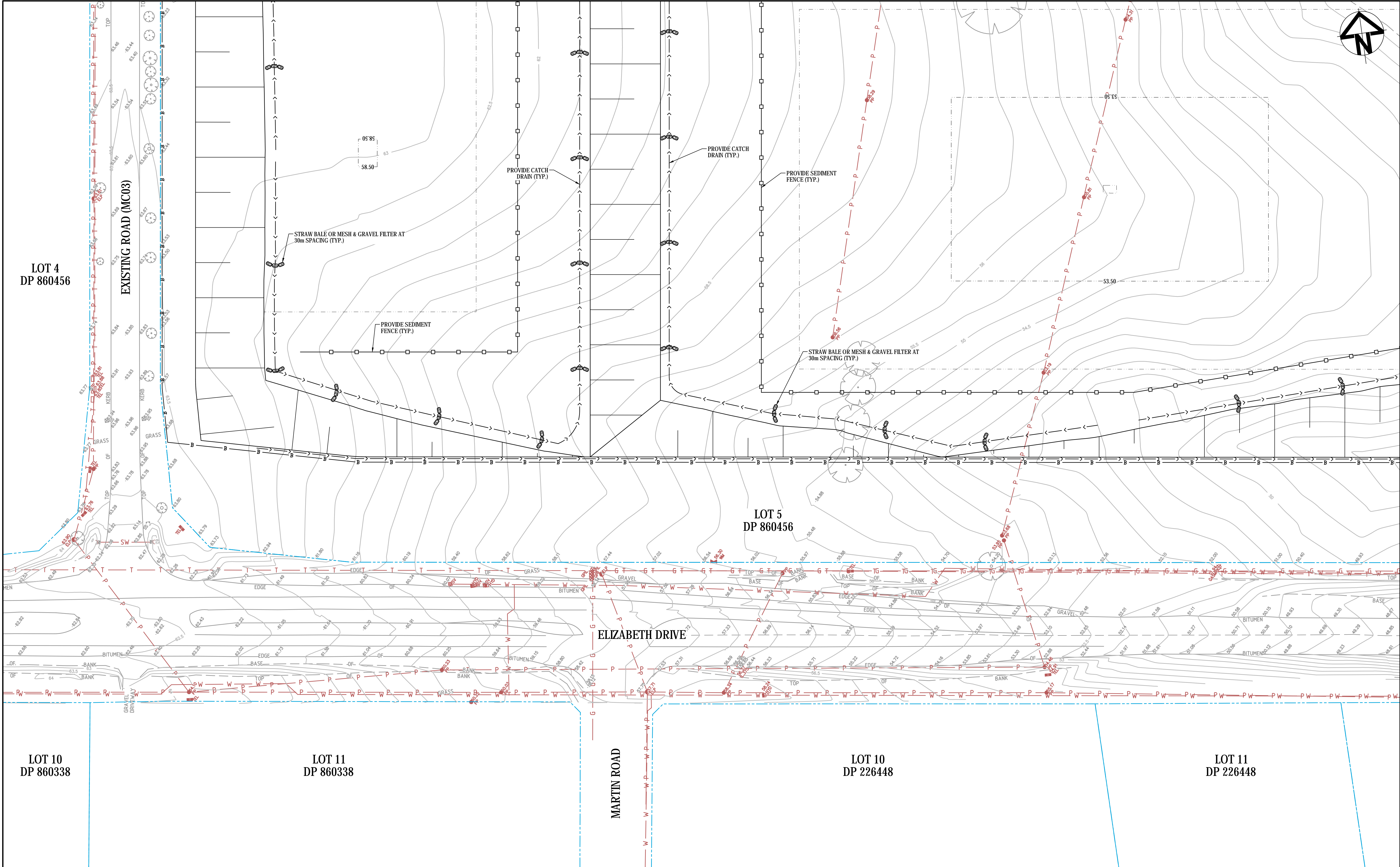


Client

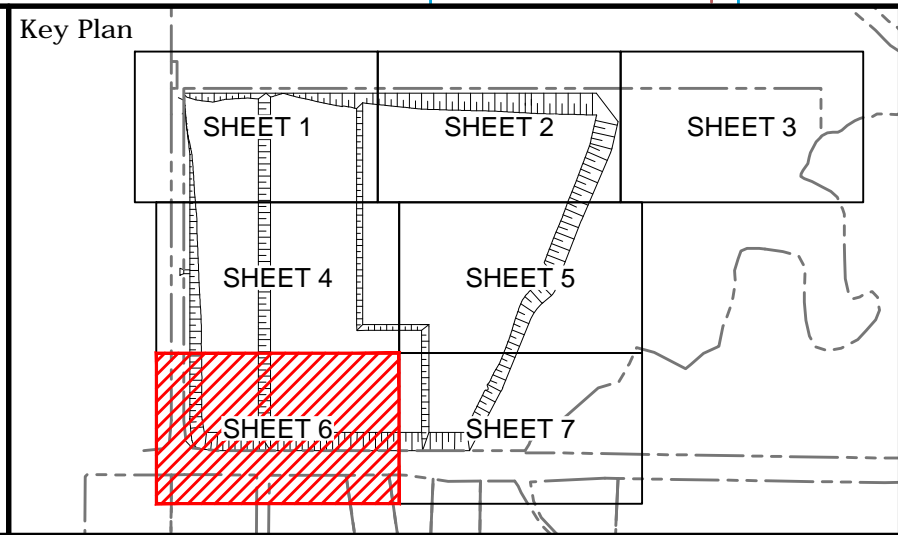
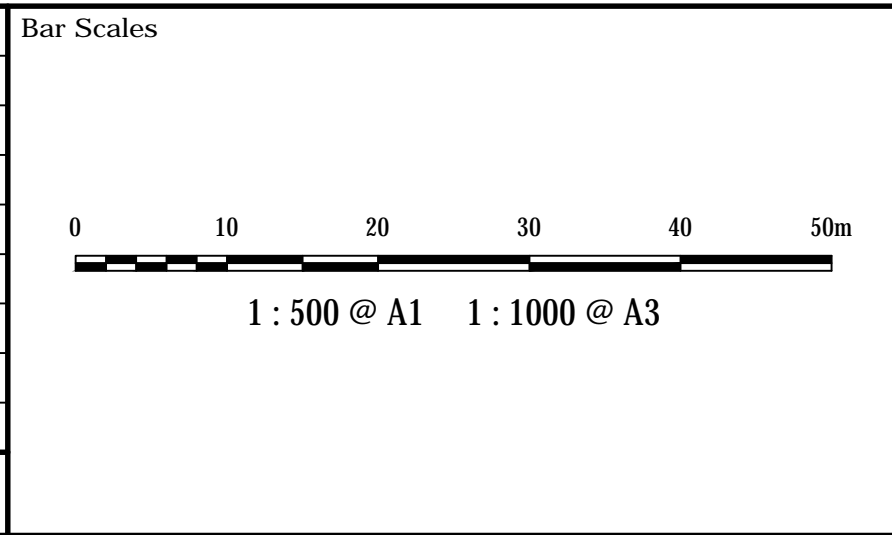
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Drawn	JB
Designed	JB
Checked	AMc
Approved	
Project ELIZABETH ENTERPRISE PRECINCT BULK EARTHWORKS	
Title EROSION & SEDIMENT CONTROL PLAN SHEET 5	

Civil Engineers and Project Managers		
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Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1	
Project No. -Drawing No. 16-369-C0605	Issue F	



Issue	Description	Date
E	ISSUE FOR DEVELOPMENT APPLICATION	20-08-20
D	ISSUE FOR DEVELOPMENT APPLICATION	21-11-19
C	ISSUE FOR DEVELOPMENT APPLICATION	04-11-19
B	ISSUE FOR DEVELOPMENT APPLICATION	19-07-19
A	ISSUE FOR DEVELOPMENT APPLICATION	29-03-19



Scales	1 : 500
Grid	MGA
Height Datum	AHD
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Drawn	JB
Designed	JB
Checked	AMc
Approved	
Project	ELIZABETH ENTERPRISE PRECINCT BULK EARTHWORKS
Title	EROSION & SEDIMENT CONTROL PLAN SHEET 6

Civil Engineers and Project Managers	
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Status	FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION	A1
Project No. -Drawing No.	16-369-C0606
Issue	E

