

LIGHTSOURCE DEVELOPMENT SERVICES

WEST WYALONG SOLAR FARM

CIVIL WORKS



DRAWING LIST

18-583-C000	COVER SHEET AND LOCALITY PLAN
18-583-C001	NOTES AND LEGENDS
18-583-C003	GENERAL ARRANGEMNT PLAN
18-583-C005	TYPICAL DETAILS
18-583-C011	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 1
18-583-C012	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 2
18-583-C013	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 3
18-583-C014	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 4
18-583-C015	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 5
18-583-C016	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 6
18-583-C017	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 7
18-583-C018	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 8
18-583-C019	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 9
18-583-C020	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 10
18-583-C021	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 11
18-583-C022	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 12
18-583-C023	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 13
18-583-C024	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 14
18-583-C025	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 15
18-583-C026	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 16
18-583-C027	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 17
18-583-C028	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 18
18-583-C029	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 19
18-583-C030	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 20
18-583-C031	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 21
18-583-C032	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 22
18-583-C033	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 23
18-583-C034	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 24
18-583-C035	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 25
18-583-C036	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 26
18-583-C037	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 27
18-583-C038	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 28
18-583-C039	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 29
18-583-C040	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 30
18-583-C041	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 31
18-583-C042	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 32
18-583-C080	OVERALL PROPOSED STORMWATER CATCHMENT PLAN



LOCALITY PLAN

N.T.S

		Bar Scales	Key Plan	Client 	Scales	Drawn	DM	Project WEST WYALONG SOLAR FARM	 <div>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</div>			
						Designed	DM					
						Checked	AT					
						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						
P2	ISSUED FOR DEVELOPMENT APPLICATION	09-01-19	Title COVER SHEET AND LOCALITY PLAN							Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1	
P1	ISSUED FOR DEVELOPMENT APPLICATION	05-12-18								Project - Drawing No. 18-583-C000	Issue P2	
Issue	Description	Date										

100mm on Original

Date Plotted: 9 Jan 2019 - 04:39PM File Name: F:\18-583 West Wyalong Solar Farm\6.0 Drgs\Civil\Final\18-583-C000.dwg

THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY T.J. HINCHCLIFFE & ASSOCIATES PTY LTD., 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.

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

- EXISTING UNDERGROUND SERVICES
NOTES

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.

- (A) STORMWATER DESIGN CRITERIA:
 - 1. AVERAGE RECURRENT INTERVAL:
 - 100 YEARS: ROOFED AREAS TO SURCHARGE PIT
 - 100 YEARS: EXTERNAL PAVEMENTS
 - (B) RAINFALL INTENSITIES:
 - TIME OF CONCENTRATION: 5 MINUTES
 - 100 YEARS: 229 mm/hr
 - 120 YEARS: 179 mm/hr
 - (C) RUNOFF COEFFICIENTS:
 - ROOF AREAS: $C_{100} = 1.0$
 - EXTERNAL PAVEMENTS: $C_{20} = 1.0$
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 SLABING TO BE uPVC PRESSURE PIPE GRADE 6. ENSURE ALL VERTICALS AND DOWNPIPS 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 BEHIND UNDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL. CONJUNCTIONS TO MINIMUM 4 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 (2006) AND AS/NZS 3500 3.2 (2010).
8. PRECAST PITS MAY BE USED EXTERNAL TO THE BUILDING SUBJECT TO APPROVAL BY A T & L
9. ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300 DIA.
10. WHERE SUBSOL DRAINAGE PASSES 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 AS3500.3 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. 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 A & 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 50mm LAYERS TO MINIMUM 98% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH A S 1289 5.2.1.
(OR A DENSITY IN 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 A S 1289 5.2
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 RMS. FORM 3051, 3051.1 AND COMPACTED TO MINIMUM 95% MODIFIED DENSITY IN ACCORDANCE WITH A S 1289 5.2.
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 RMS. FORM 3051 AND 3051.1 WILL BE CONSIDERED. SUBJECT TO MATERIAL SAMPLES AND APPROPRIATE CERTIFICATIONS BEING PROVIDED TO THE SATISFACTION OF A & 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, (E.G. ADJUSTMENT OF SERVICES), THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF THESE WORKS.

2. STRIP ALL TOPSOIL/ORGANIC MATERIAL FROM CONSTRUCTION AREA AND REMOVE FROM SITE OR STOCKPILE 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 ROUND 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 & I AND APPROVAL GIVEN IN WRITING THAT FILLING CAN PROCEED.

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) CONSTRUCT STABILISED 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 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.

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) 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 15 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.

EXISTING



TREES



EXISTING BOUNDARY

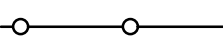
PROPOSED



VEHICLE ACCESS TRACKS



SOLTEC TRACKERS



SECURITY FENCING



STORMWATER DRAINAGE SWALE

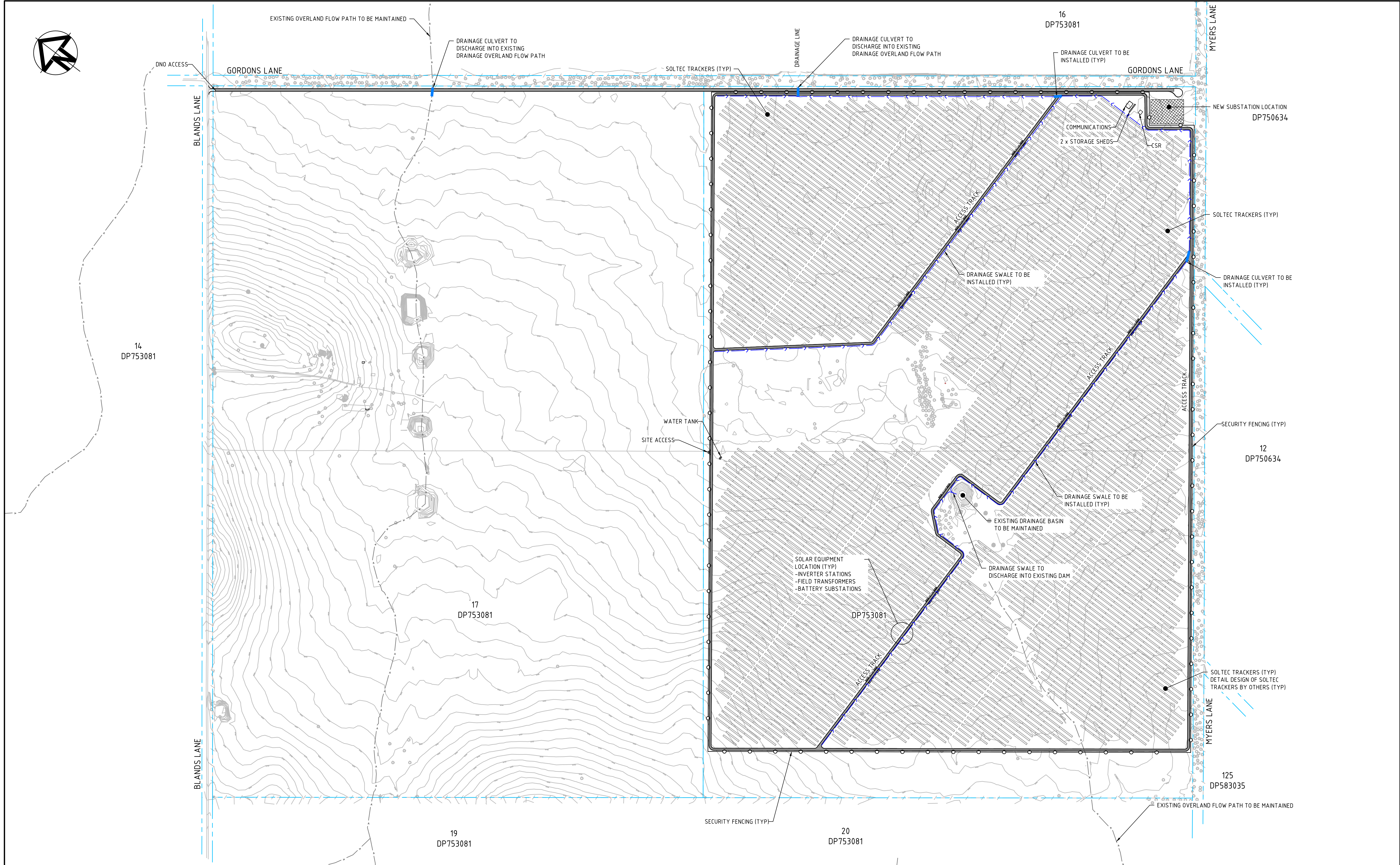


STORMWATER DRAINAGE CULVERT

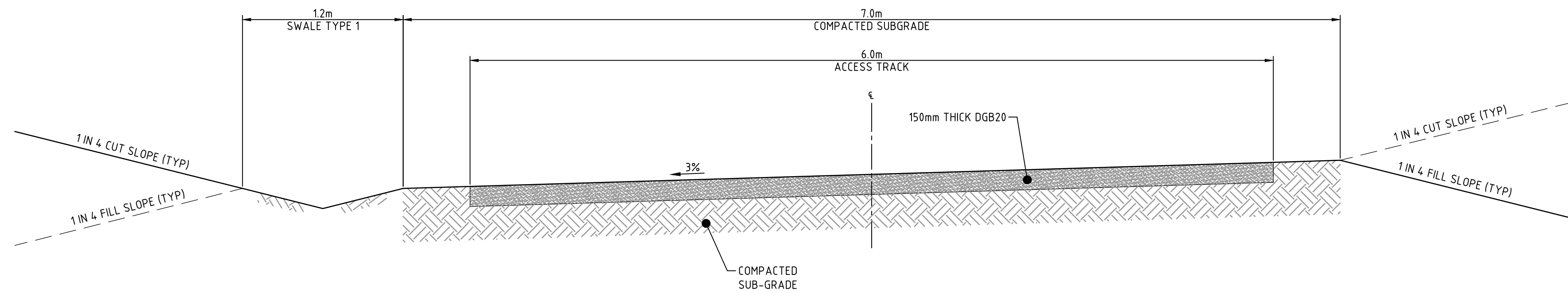


CONTRACTOR SHALL CALL;
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TO OBTAIN ALL CURRENT SERVICE
AUTHORITY PLANS

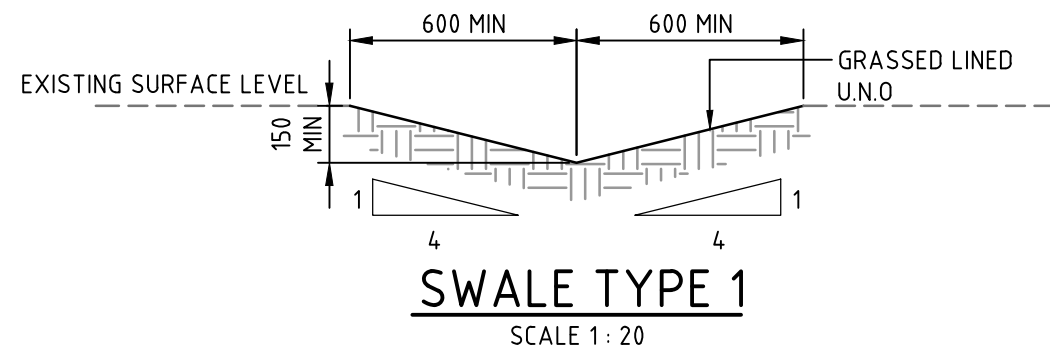
		Bar Scales	Key Plan	Client	<div>lightsourcebp</div>	Scales	Drawn	DM	Project	Civil Engineers and Project Managers			
						Designed	DM	WEST WYALONG SOLAR FARM					
						Grid	MGA				Checked	AT	
						Height Datum	AHD		Approved		Title	NOTES AND LEGENDS	Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION Project - Drawing No. 18-583-C001
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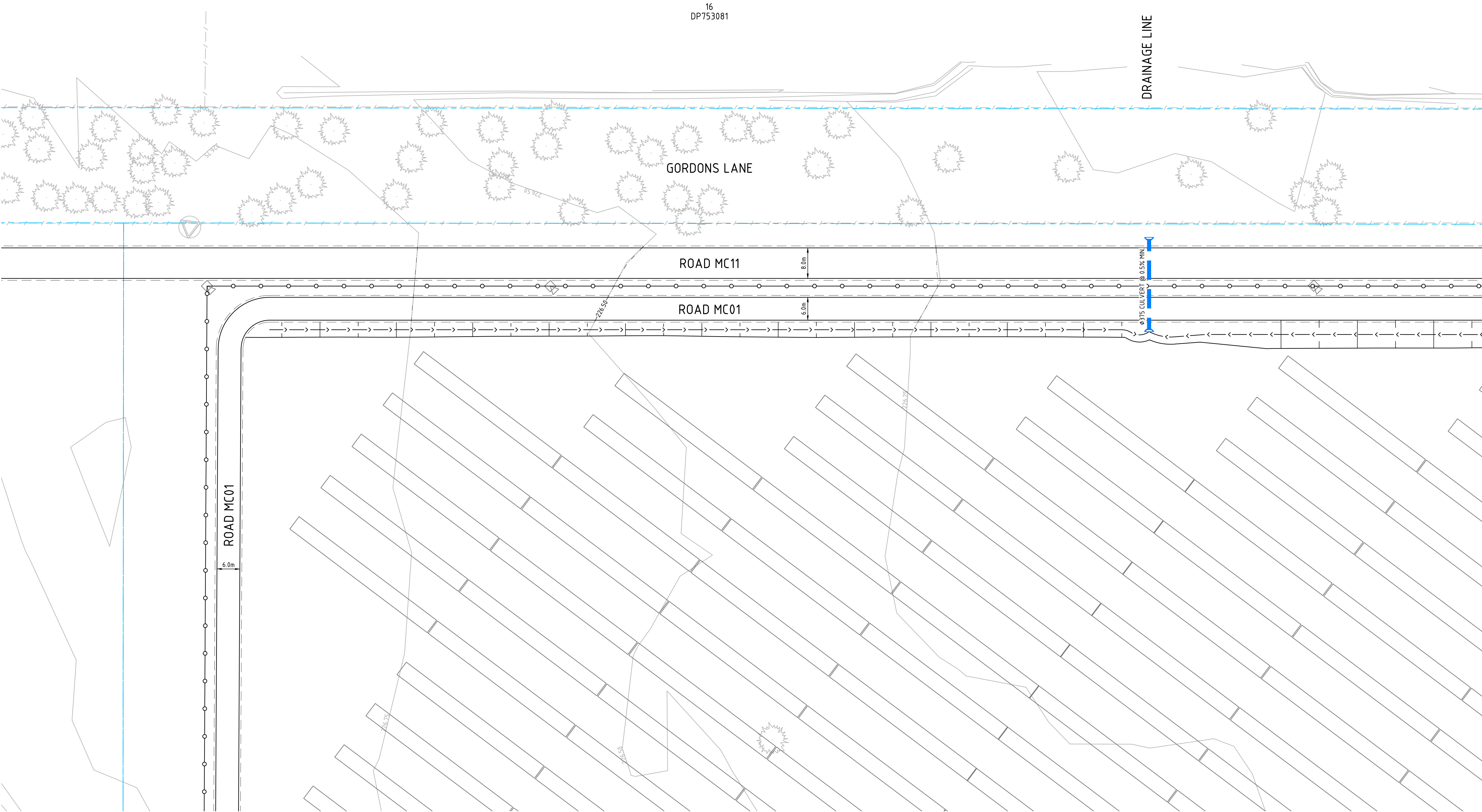
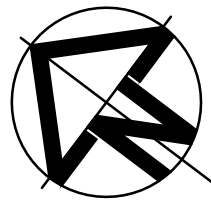
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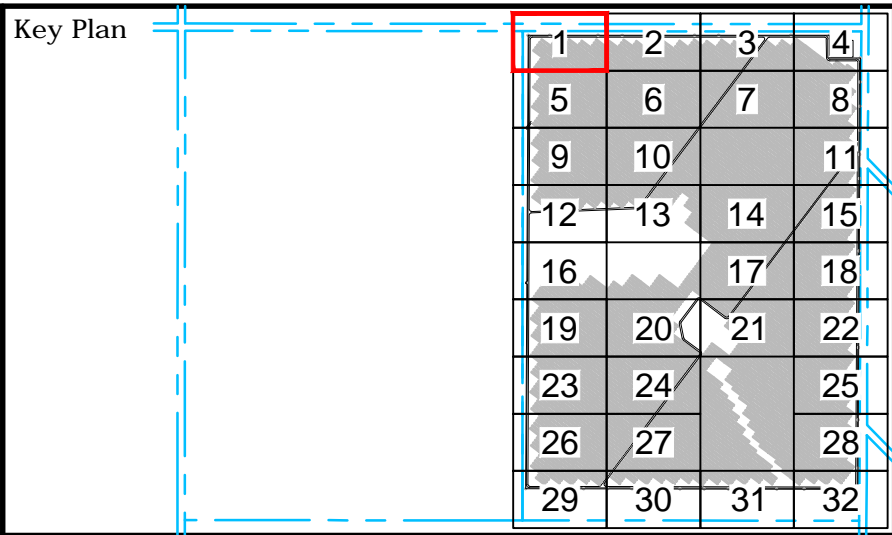
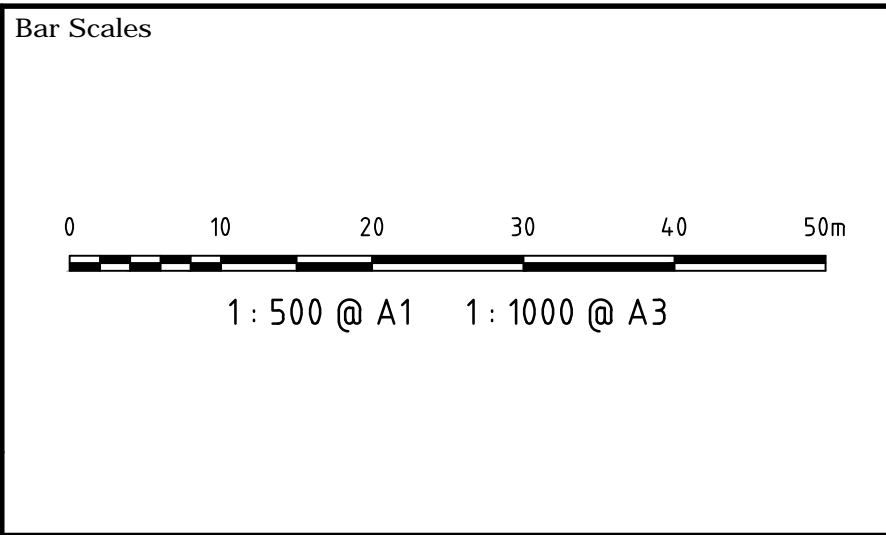
TYPICAL SECTION - ACCESS TRACK
SCALE 1:25



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						AS SHOWN		Designed			DM			
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						Height Datum		AHD			Approved			
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P1	ISSUED FOR DEVELOPMENT APPLICATION	05-12-18												
Issue	Description	Date												



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P1	ISSUED FOR DEVELOPMENT APPLICATION	05-12-18
Issue	Description	Date



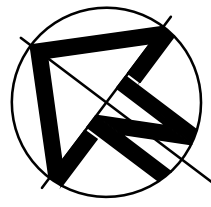
Client

lightsource bp

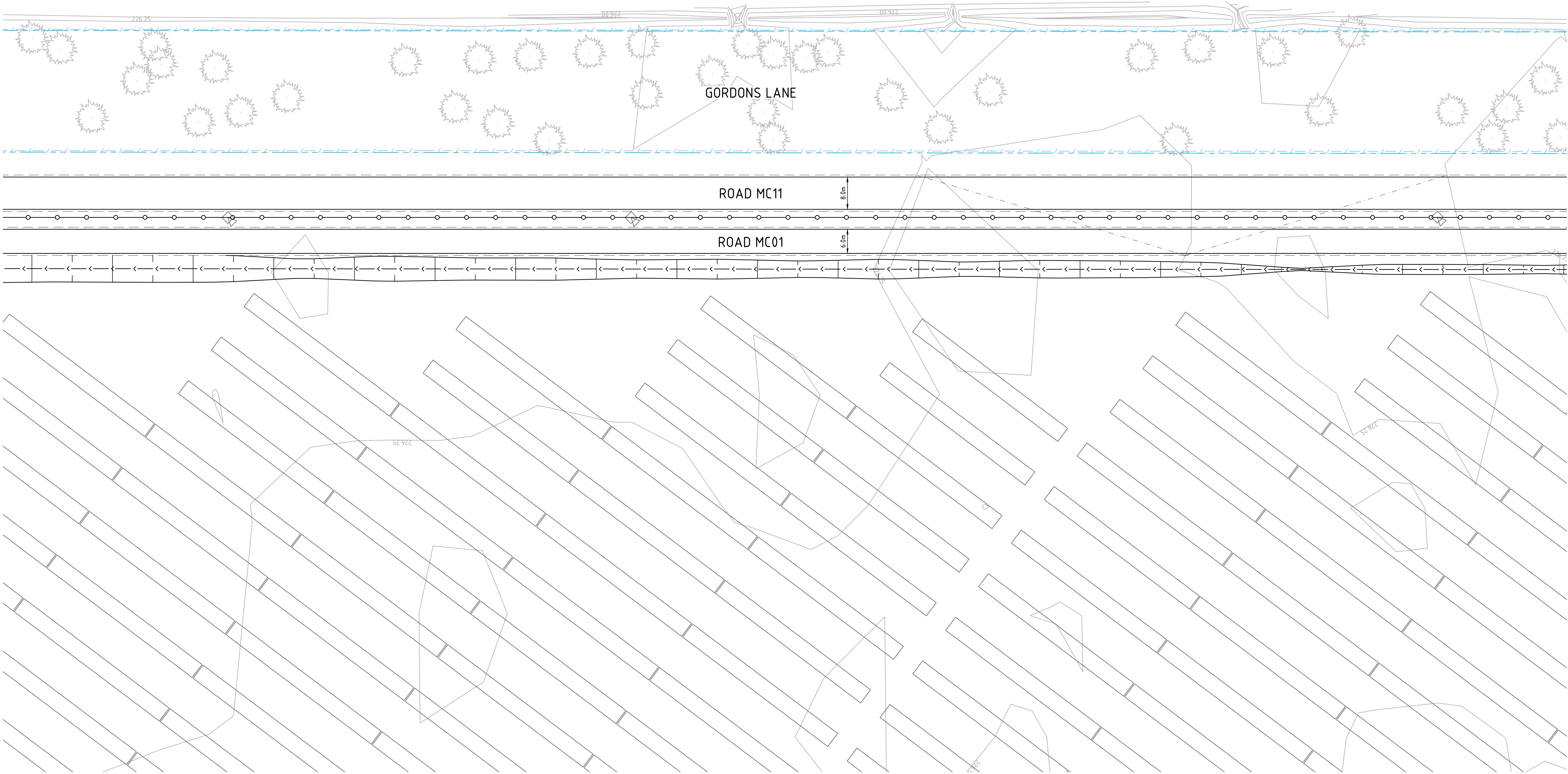
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Project	WEST WYALONG SOLAR FARM
Title	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 1

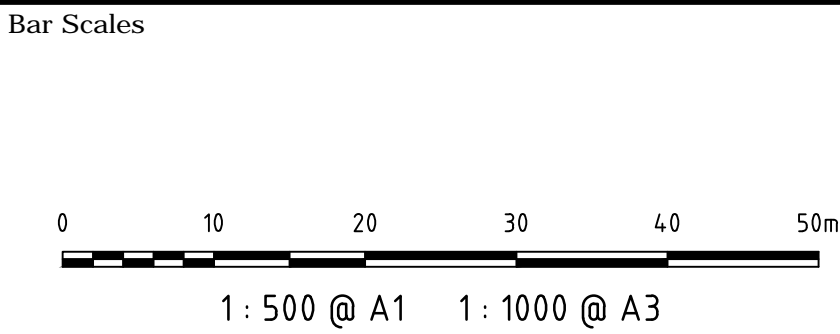
Civil Engineers and Project Managers		
at&l		
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		
Project - Drawing No.		Issue
18-583-C011		P2



16
DP753081



P2	ISSUED FOR DEVELOPMENT APPLICATION	09-01-19
P1	ISSUED FOR DEVELOPMENT APPLICATION	05-12-18
Issue	Description	Date



Key Plan	
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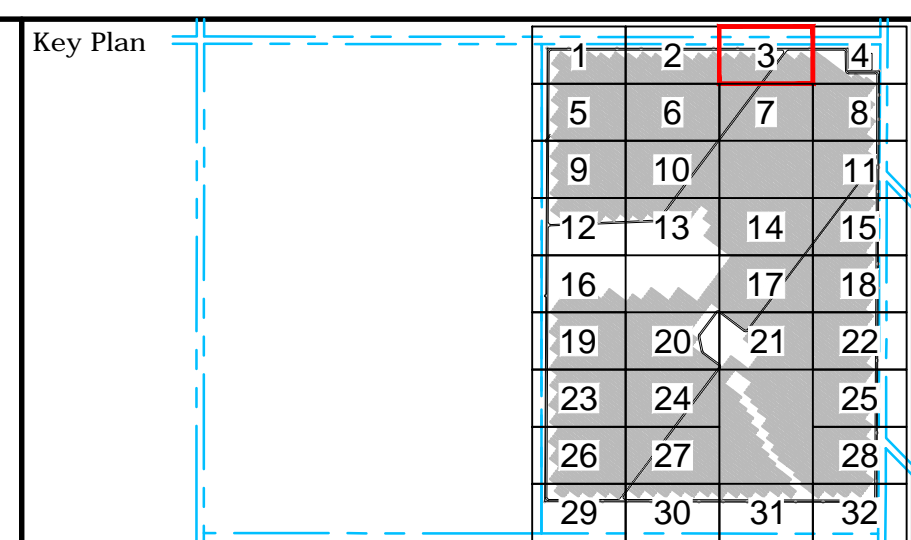
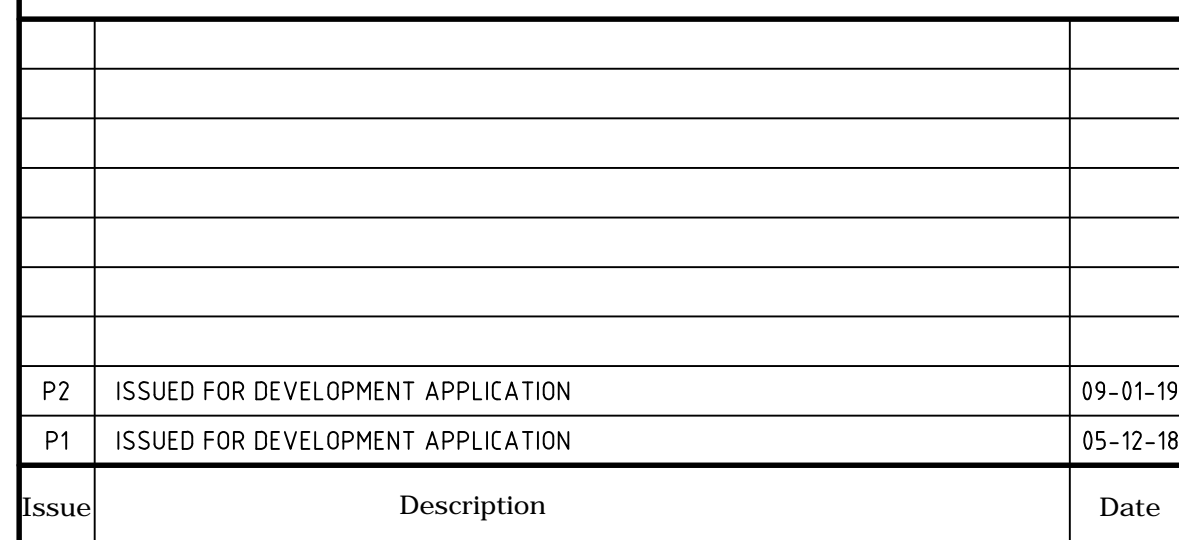
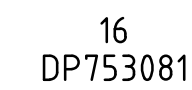
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Project	WEST WYALONG SOLAR FARM
Title	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 2


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	
Project - Drawing No.	18-583-C012
Issue	P2

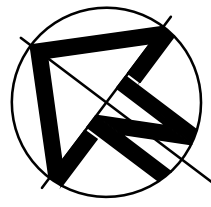


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Grid	MGA	Checked	AT
Height Datum	AHD	Approved	

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Project	WEST WYALONG SOLAR FARM
Title	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 3

<p>Civil Engineers and Project Managers</p> <div>  <div> <p>Level 7, 153 Walker Street North Sydney NSW 2060</p> <p>ABN 96 130 882 405</p> <p>tel: 02 9439 1777</p> <p>Fax: 02 9923 1055</p> <p>www.atl.net.au</p> <p>info@atl.net.au</p> </div> </div>	
<p>STATUS</p> <p>FOR APPROVAL</p> <p>NOT TO BE USED FOR CONSTRUCTION</p> <p>Project - Drawing No.</p> <p>18-583-C013</p>	<p>A1</p> <p>Issue</p> <p>P2</p>



16
DP753081

GORDONS LANE

ROAD MC11

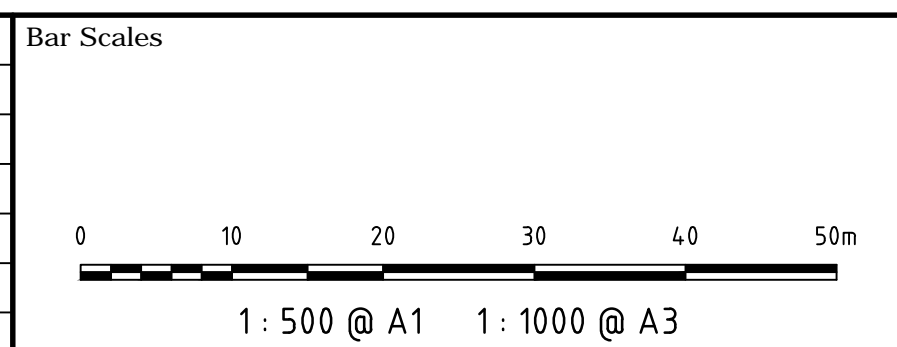
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MYERS LANE

SUBSTATION SLAB
FFL 227.50

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P2	ISSUED FOR DEVELOPMENT APPLICATION	09-01-19
P1	ISSUED FOR DEVELOPMENT APPLICATION	05-12-18
Issue	Description	Date



Key Plan	<p>14</p>
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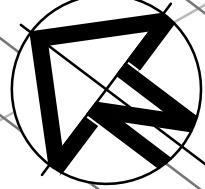
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Height Datum	AHD	Approved	
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Project	WEST WYALONG SOLAR FARM
Title	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 4

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.	18-583-C014	Issue P2

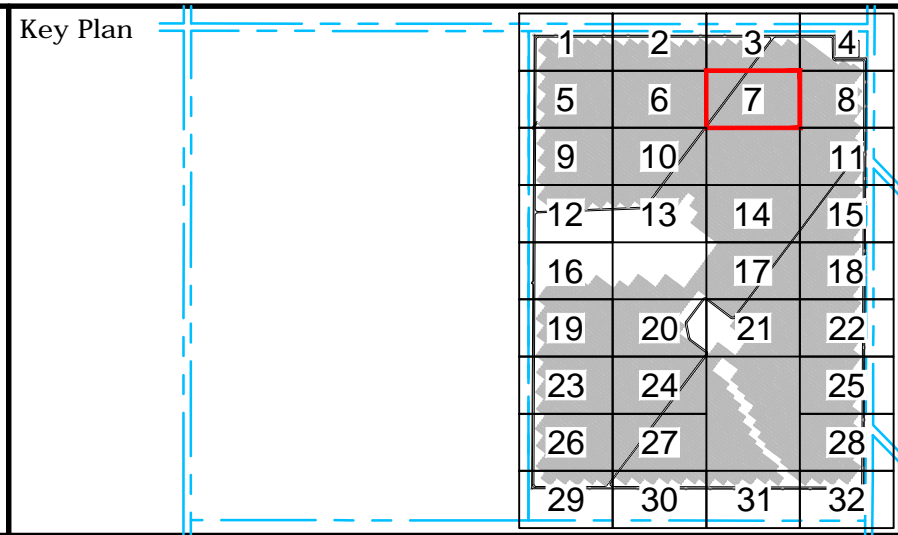


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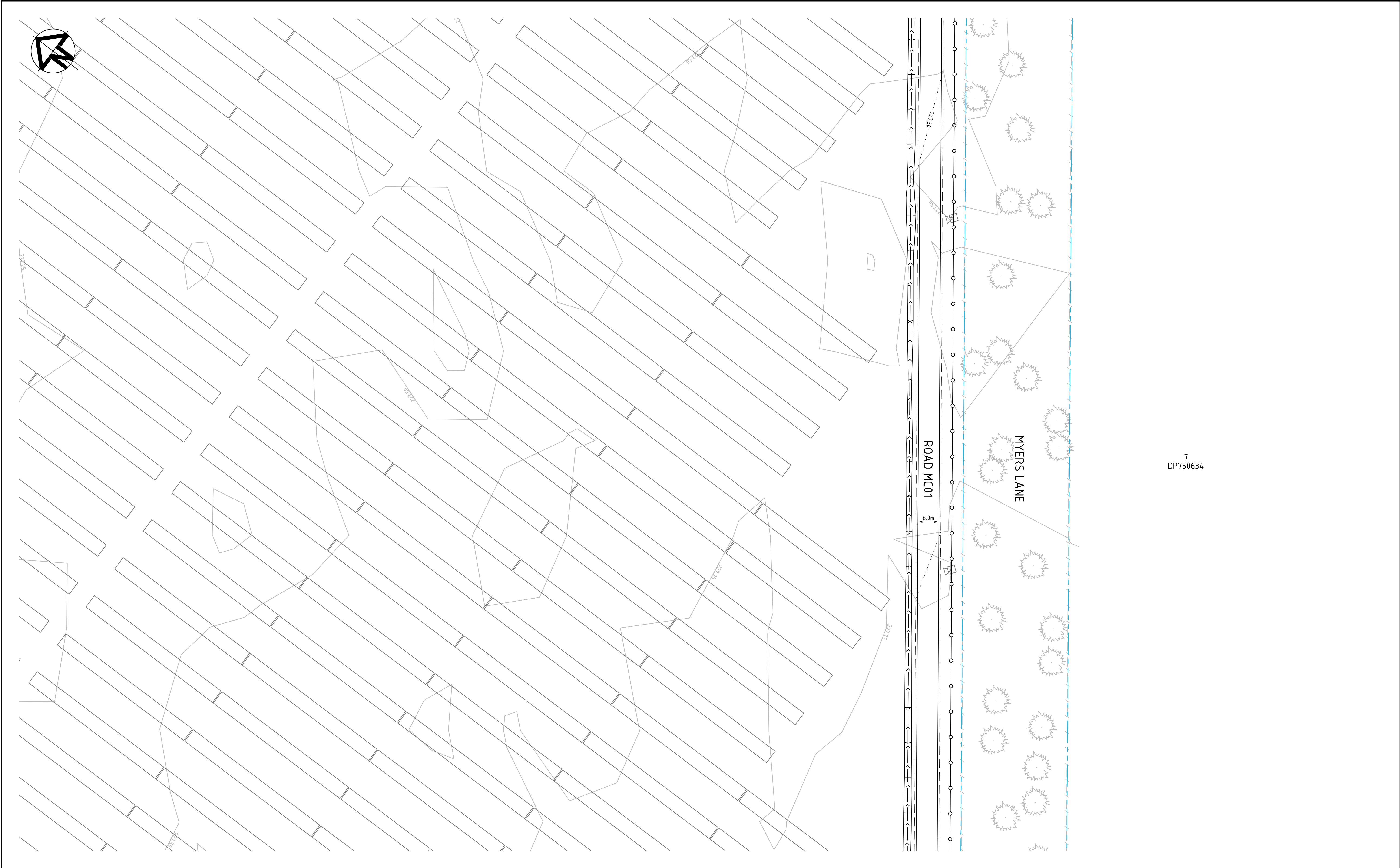
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P1	ISSUED FOR DEVELOPMENT APPLICATION	05-12-18
Issue	Description	Date



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		Designed	JB
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	
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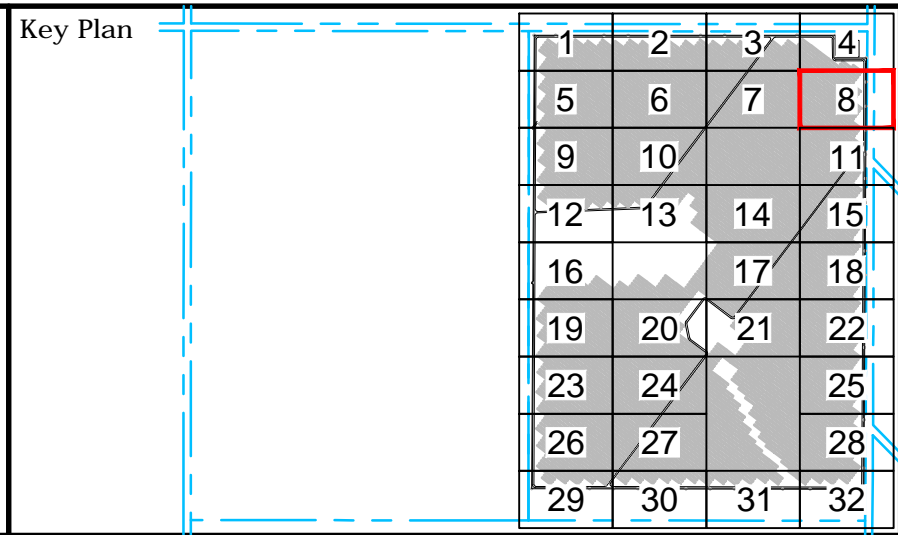
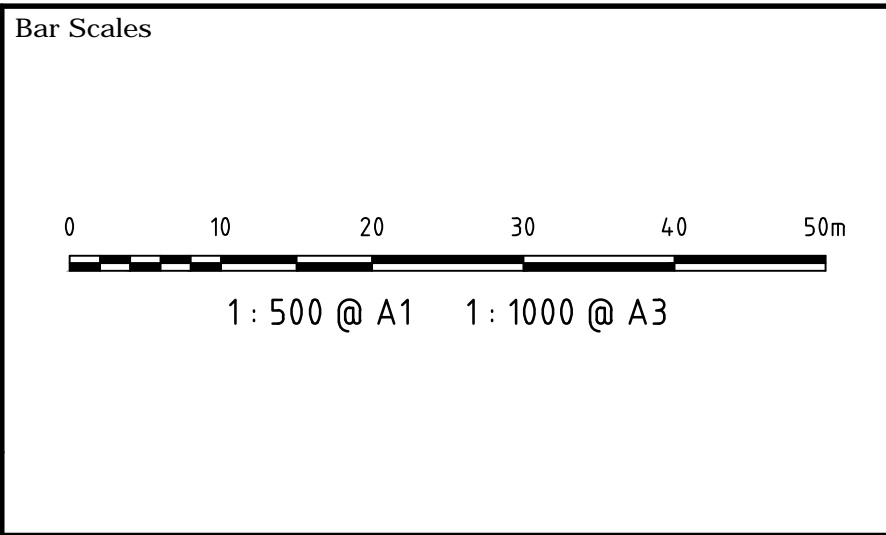
Project	WEST WYALONG SOLAR FARM
Title	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 7

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
NOT TO BE USED FOR CONSTRUCTION	
Project - Drawing No.	18-583-C017
Issue	P2



7
DP750634

P2	ISSUED FOR DEVELOPMENT APPLICATION	09-01-19
P1	ISSUED FOR DEVELOPMENT APPLICATION	05-12-18
Issue	Description	Date



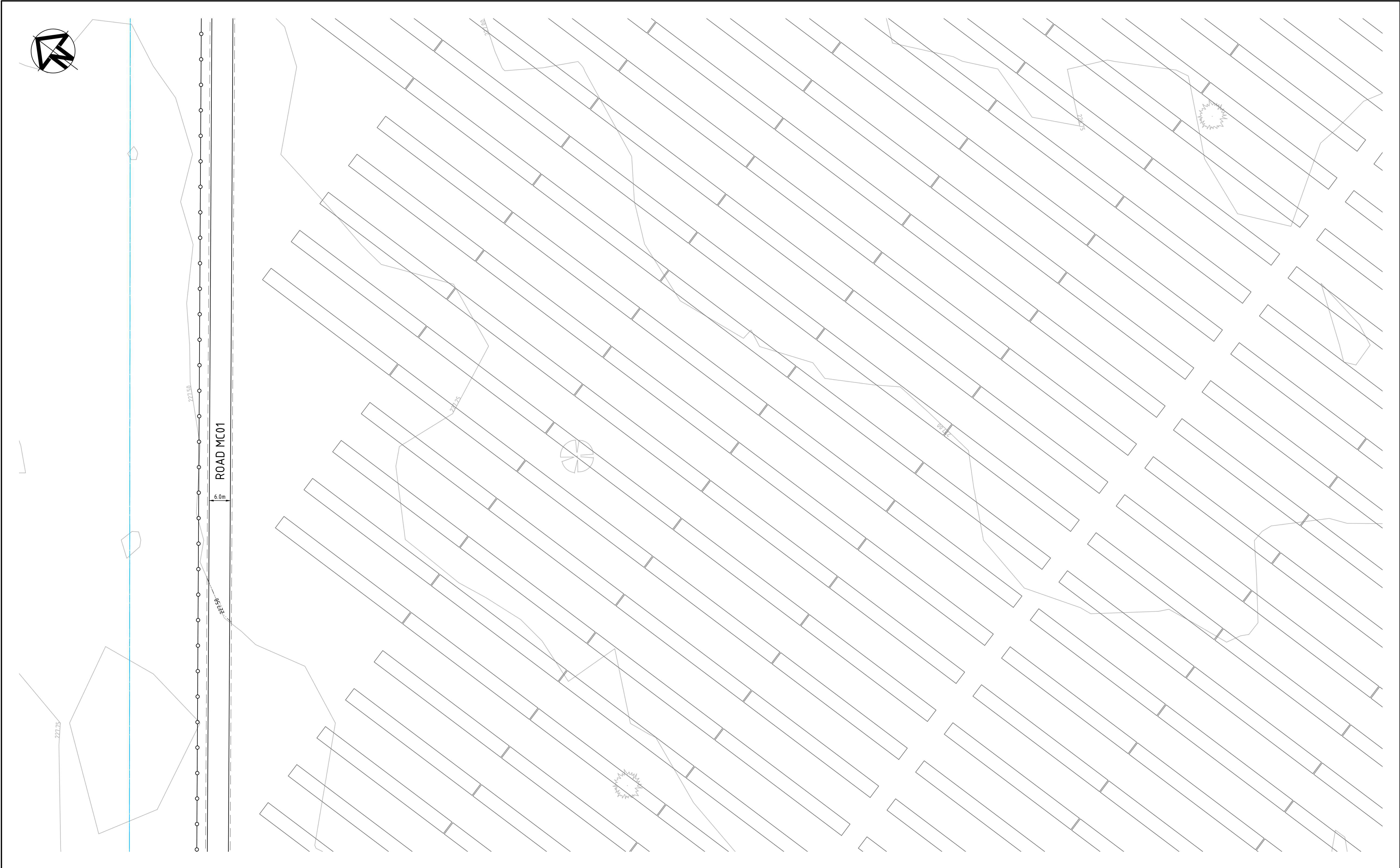
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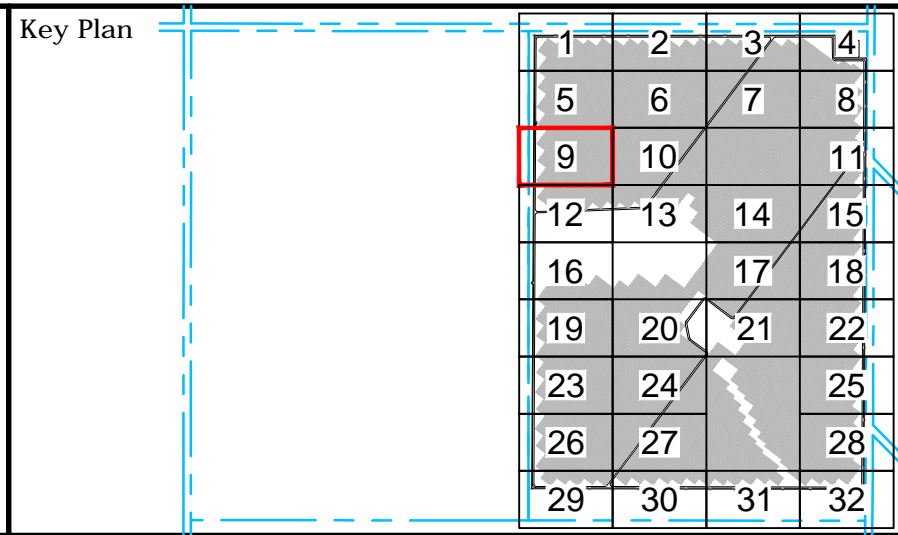
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Project		WEST WYALONG SOLAR FARM
Title		SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 8

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.	18-583-C018	Issue P2



P2	ISSUED FOR DEVELOPMENT APPLICATION	09-01-19
P1	ISSUED FOR DEVELOPMENT APPLICATION	05-12-18
Issue	Description	Date



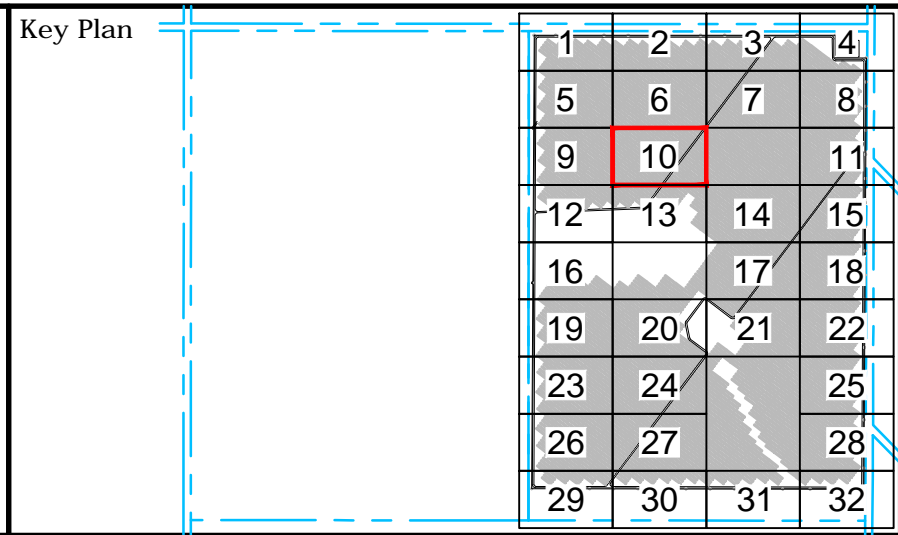
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Project	WEST WYALONG SOLAR FARM
Title	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 9

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	A1
NOT TO BE USED FOR CONSTRUCTION		
Project - Drawing No.		Issue
18-583-C019		P2



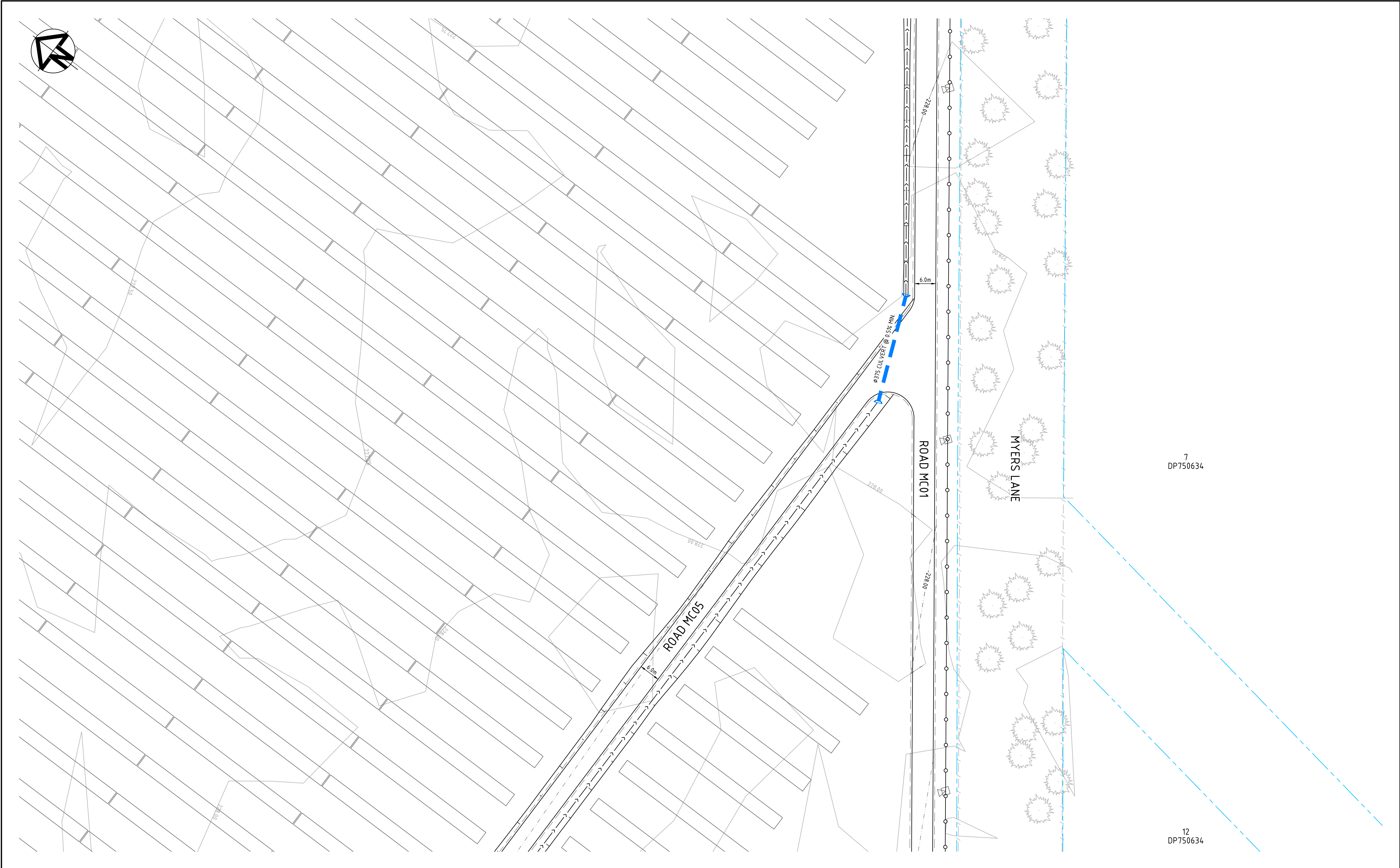
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P1	ISSUED FOR DEVELOPMENT APPLICATION	05-12-18
Issue	Description	Date



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Grid	MGA	Checked	AT
Height Datum	AHD	Approved	
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Project	WEST WYALONG SOLAR FARM
Title	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 10

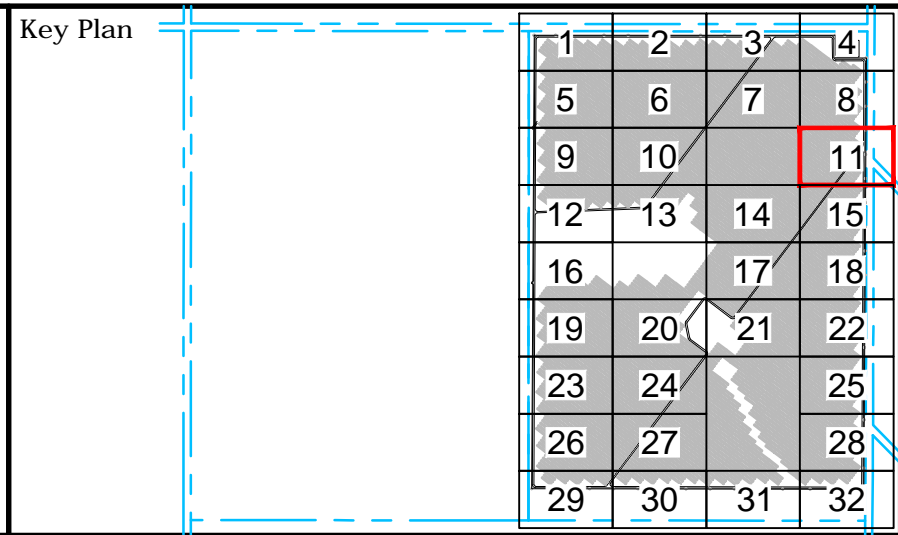
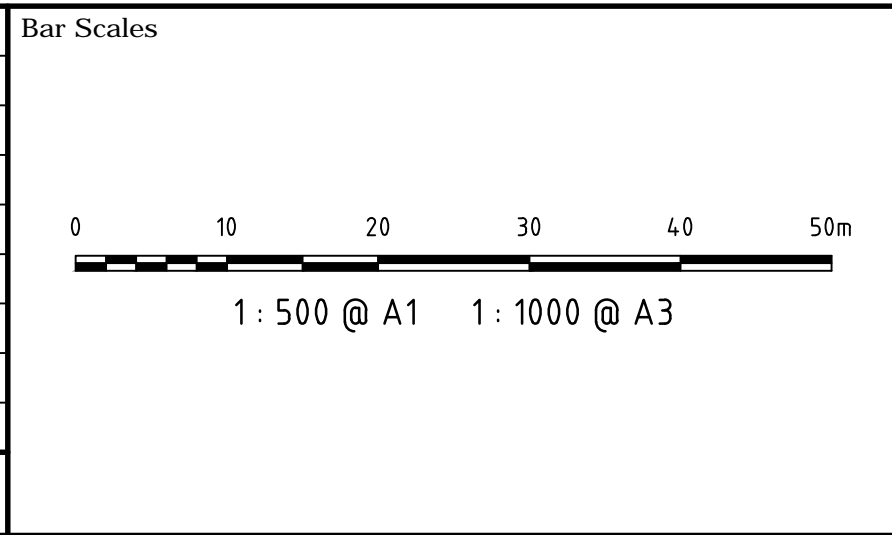
Civil Engineers and Project Managers		
at&l		
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		
Project - Drawing No.	18-583-C020	Issue
		P2



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DP750634

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DP750634

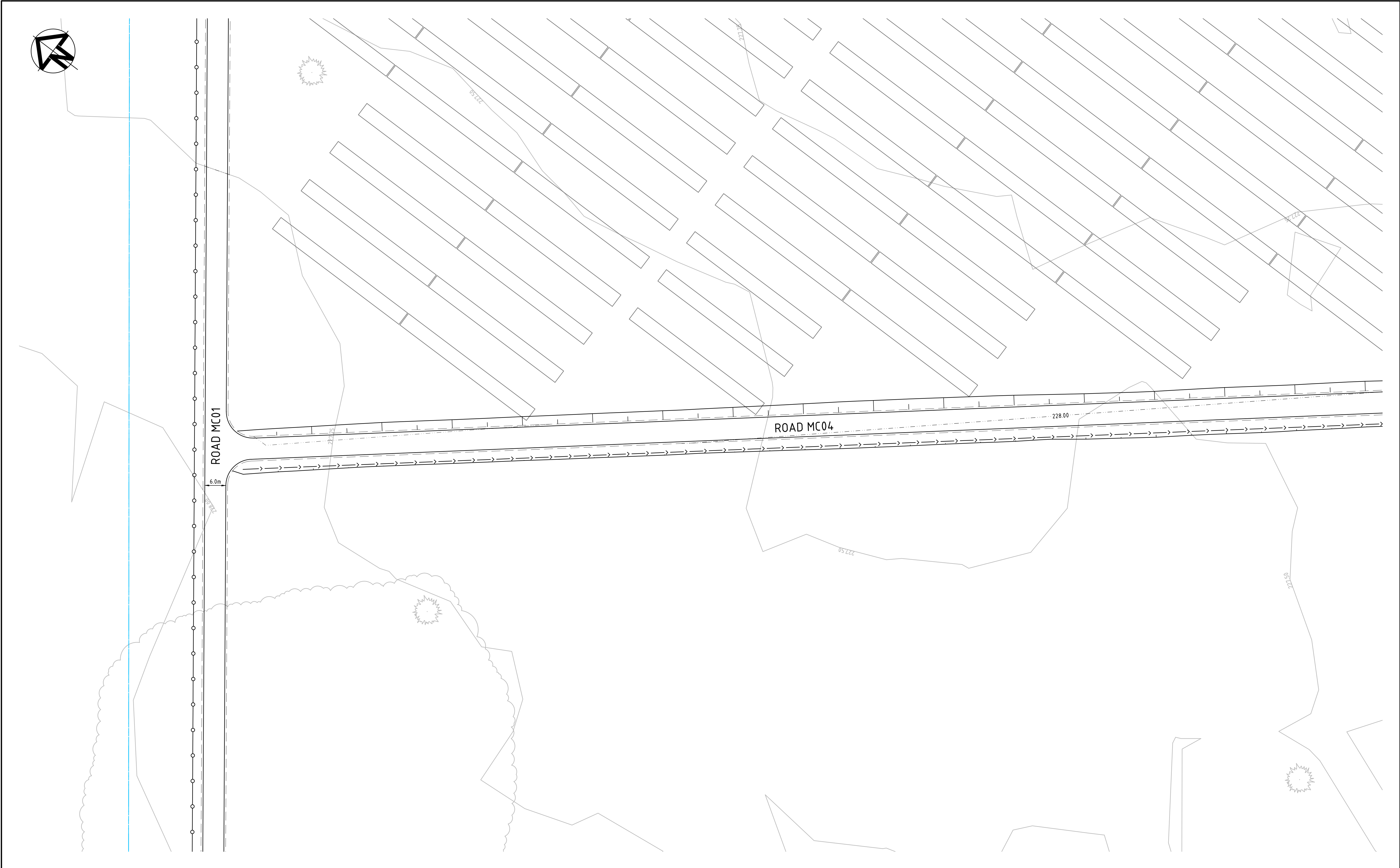
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P1	ISSUED FOR DEVELOPMENT APPLICATION	05-12-18
Issue	Description	Date



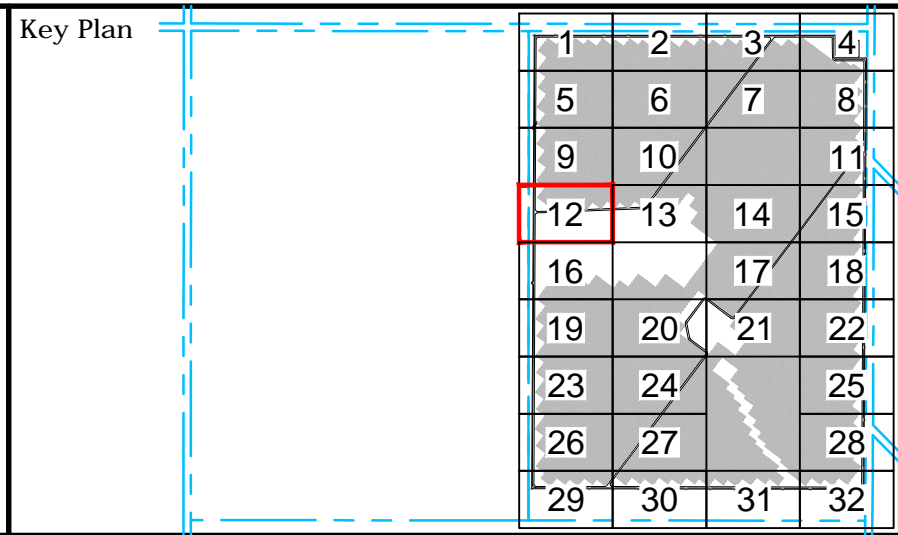
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Project	WEST WYALONG SOLAR FARM
Title	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 11

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.	18-583-C021
Issue	P2
A1	



P2	ISSUED FOR DEVELOPMENT APPLICATION	09-01-19
P1	ISSUED FOR DEVELOPMENT APPLICATION	05-12-18
Issue	Description	Date



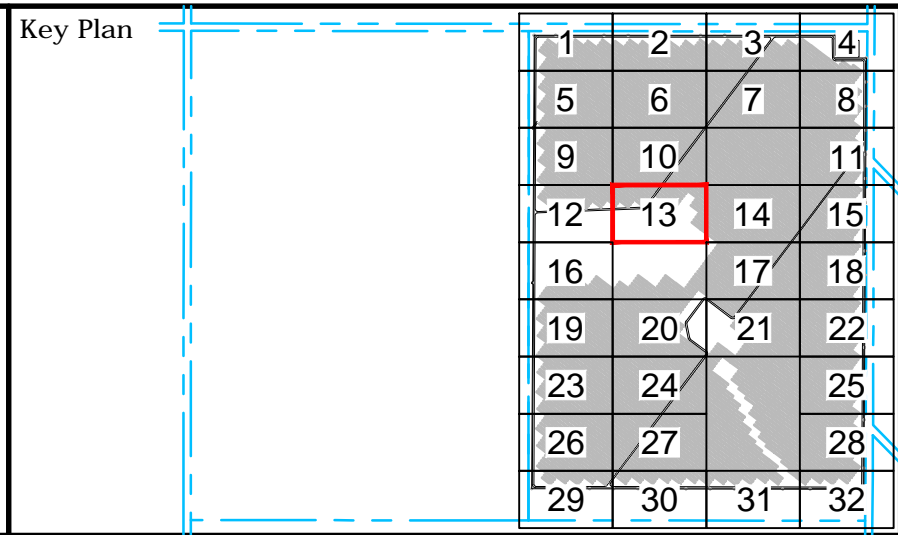
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Project	WEST WYALONG SOLAR FARM
Title	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 12

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.	18-583-C022
Issue	P2



P2	ISSUED FOR DEVELOPMENT APPLICATION	09-01-19
P1	ISSUED FOR DEVELOPMENT APPLICATION	05-12-18
Issue	Description	Date



Client

lightsource bp

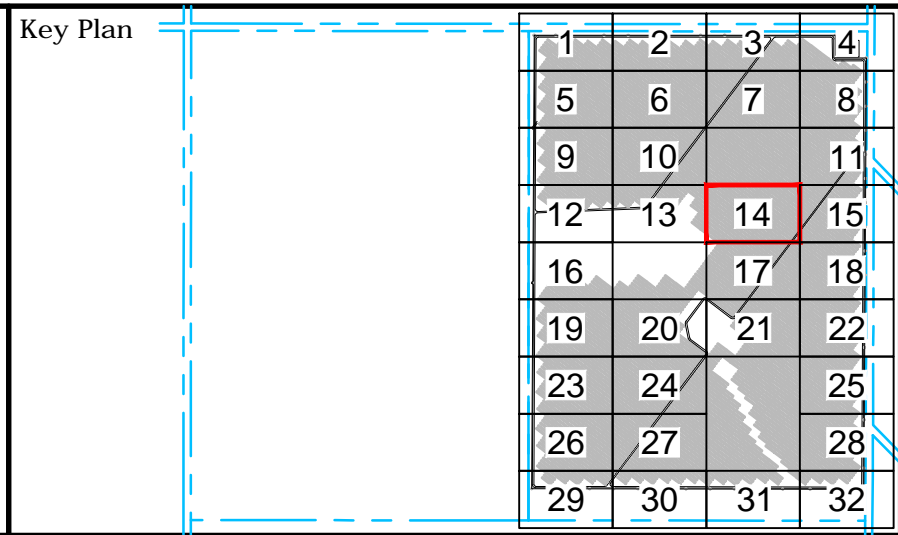
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Project	WEST WYALONG SOLAR FARM
Title	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 13

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	A1
NOT TO BE USED FOR CONSTRUCTION		
Project - Drawing No.	18-583-C023	Issue
		P2



P2	ISSUED FOR DEVELOPMENT APPLICATION	09-01-19
P1	ISSUED FOR DEVELOPMENT APPLICATION	05-12-18
Issue	Description	Date




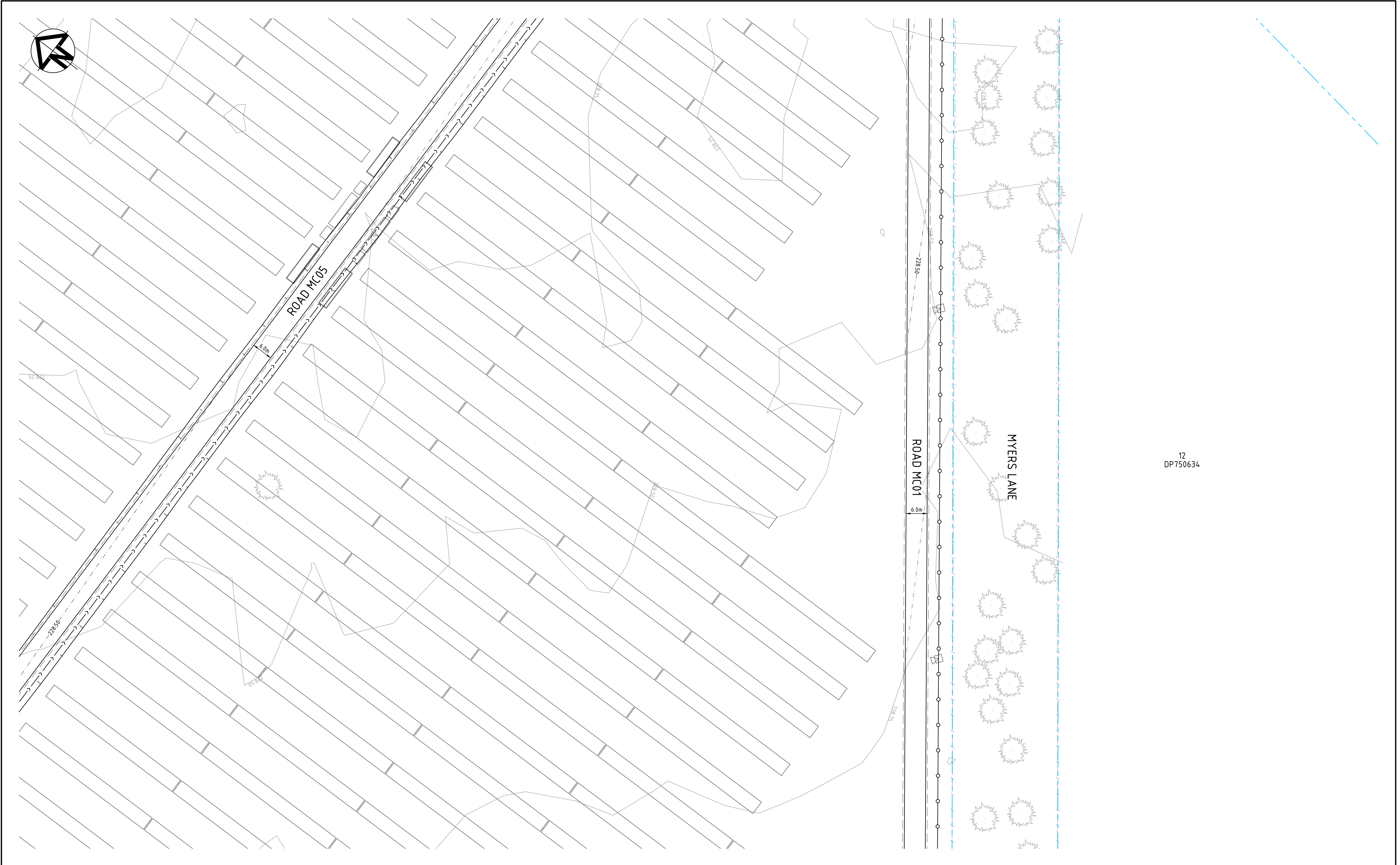
Client

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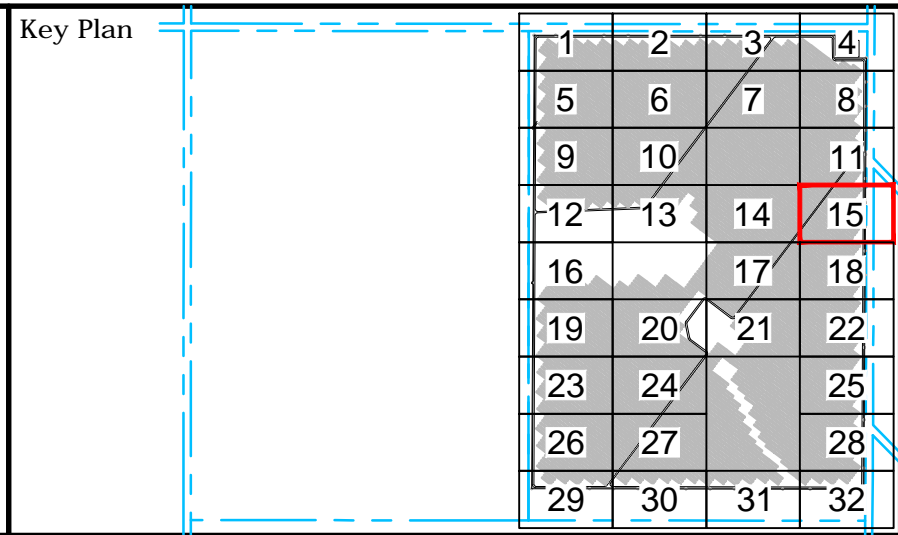
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Project	WEST WYALONG SOLAR FARM
Title	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 14

Civil Engineers and Project Managers	
	
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Status	FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION	
Project - Drawing No.	18-583-C024
Issue	P2



P2	ISSUED FOR DEVELOPMENT APPLICATION	09-01-19
P1	ISSUED FOR DEVELOPMENT APPLICATION	05-12-18
Issue	Description	Date



Client

lightsource bp

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

WEST WYALONG SOLAR FARM

Title

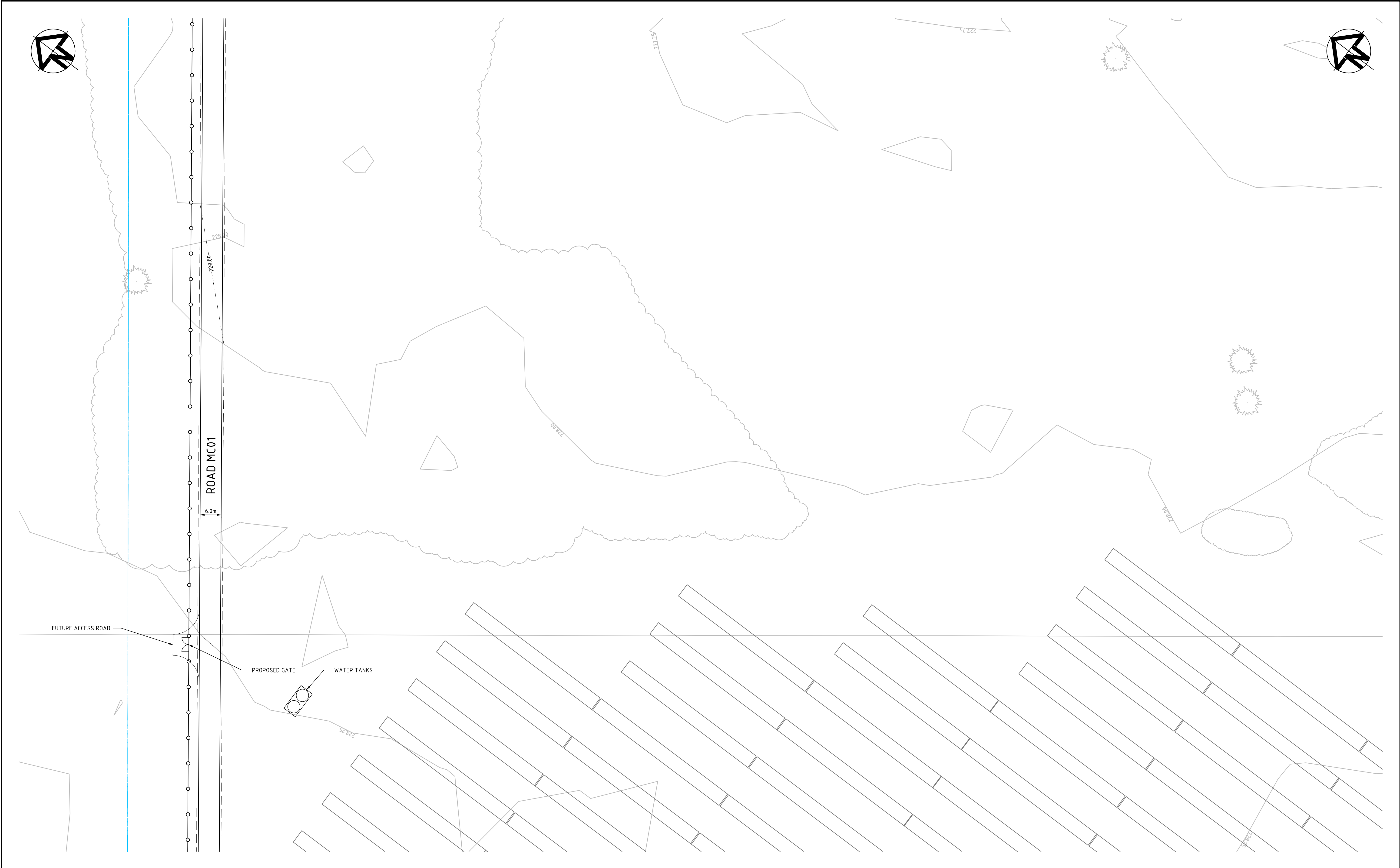
SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 15

Civil Engineers and Project Managers

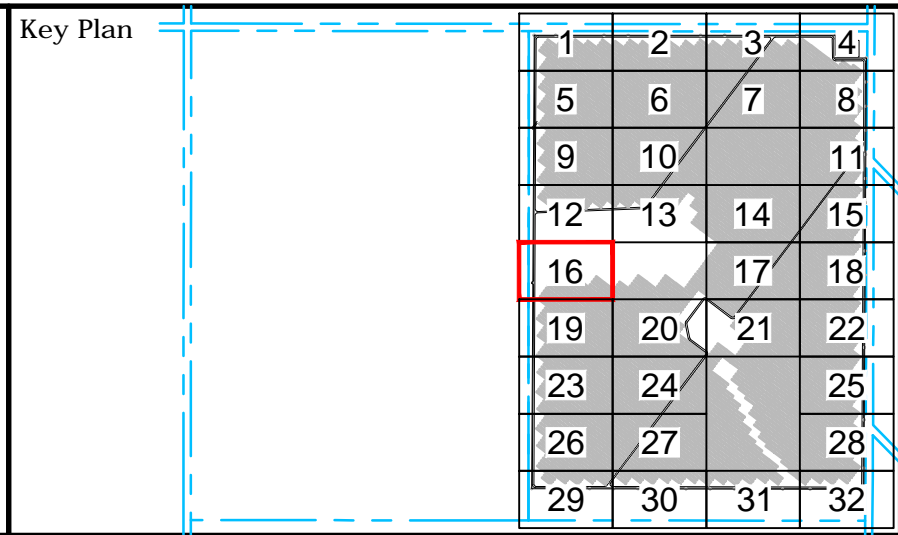
at&L

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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	A1
Project - Drawing No.	18-583-C025	Issue
		P2



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P1	ISSUED FOR DEVELOPMENT APPLICATION	05-12-18
Issue	Description	Date



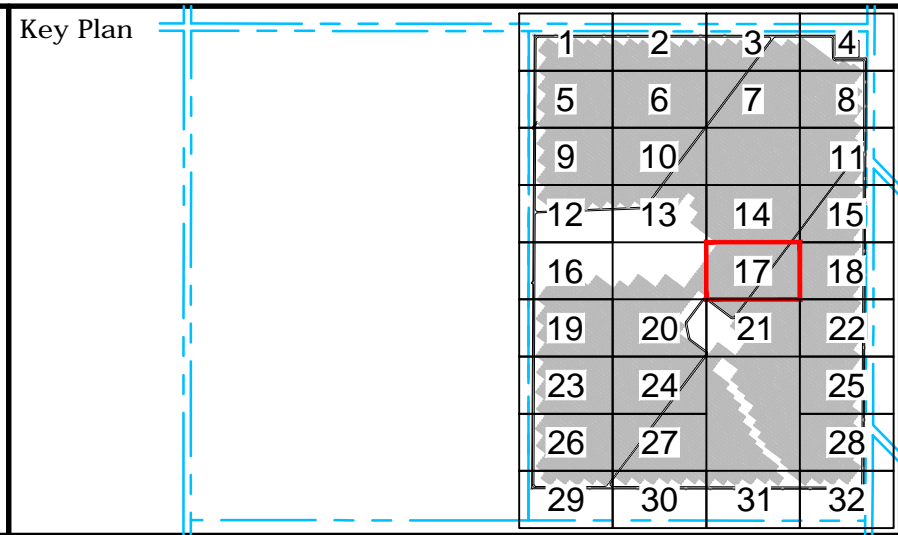
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Project	WEST WYALONG SOLAR FARM
Title	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 16

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	A1
NOT TO BE USED FOR CONSTRUCTION		
Project - Drawing No.		Issue
18-583-C026		P2



P2	ISSUED FOR DEVELOPMENT APPLICATION	09-01-19
P1	ISSUED FOR DEVELOPMENT APPLICATION	05-12-18
Issue	Description	Date



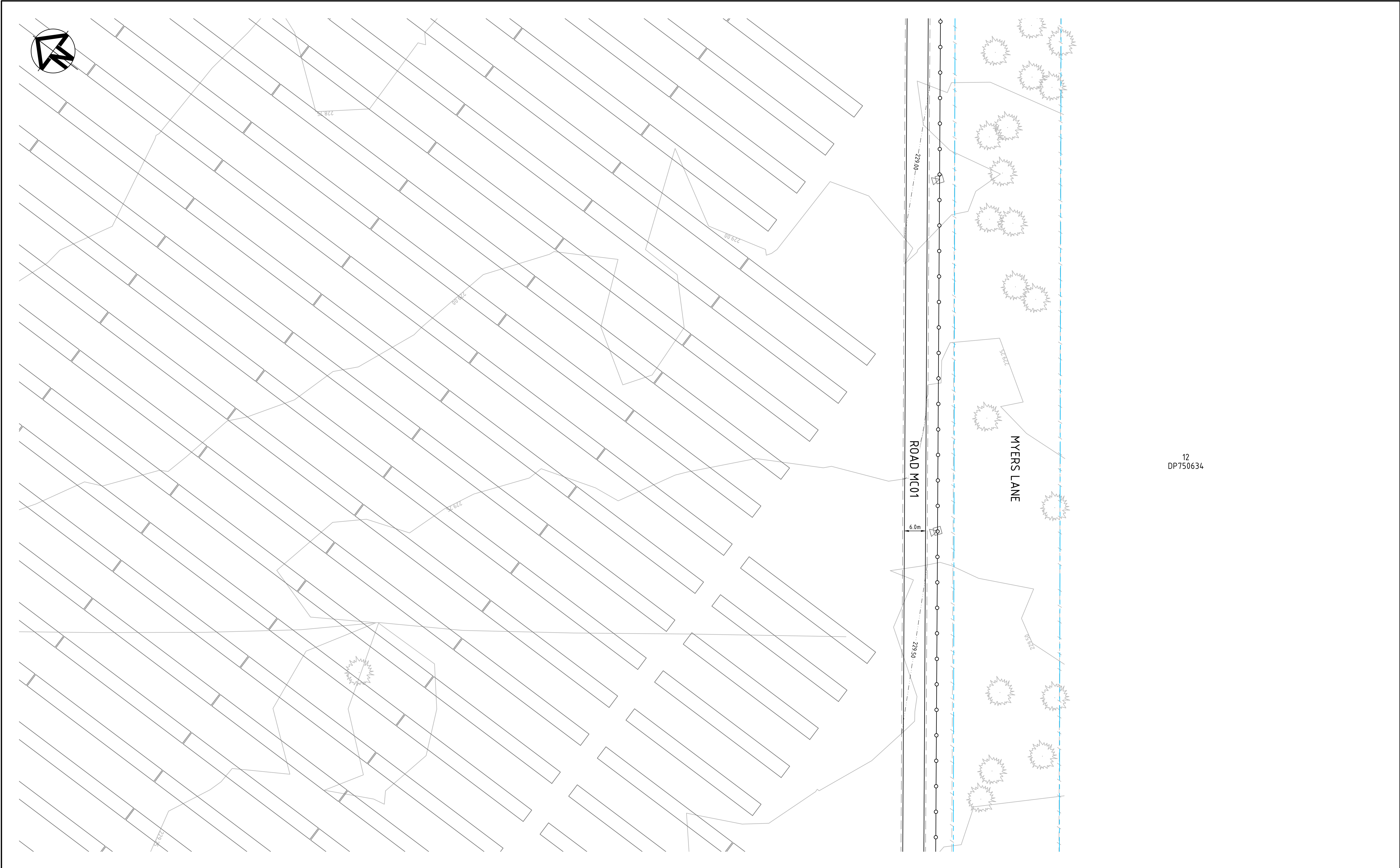
Client

lightsource bp

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Height Datum	AHD	Approved	
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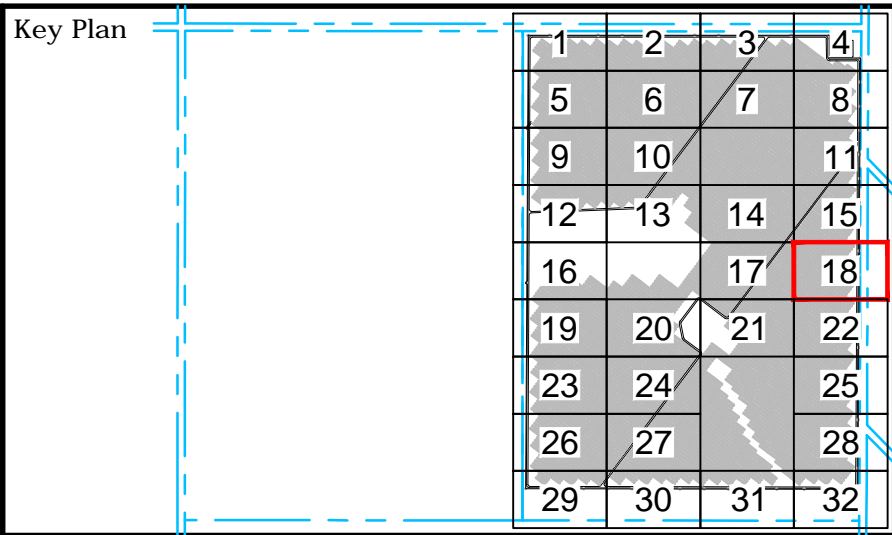
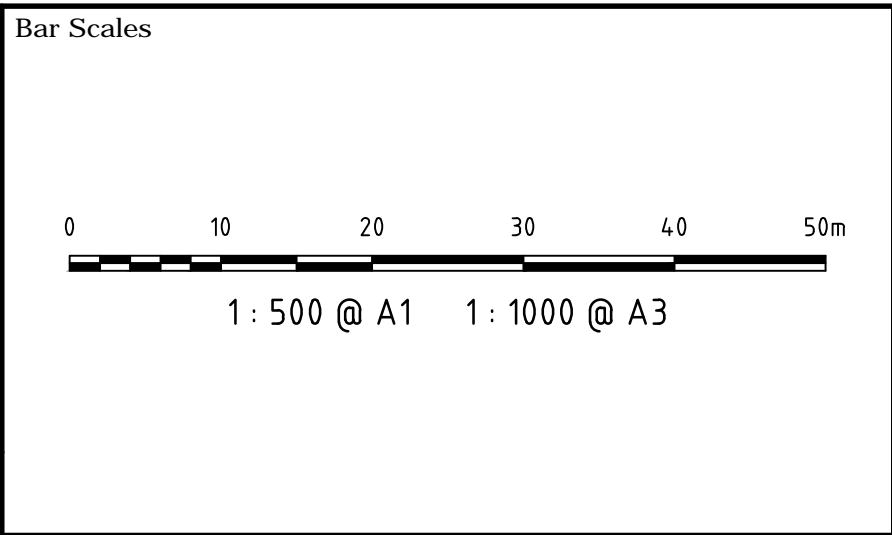
Project	WEST WYALONG SOLAR FARM
Title	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 17

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	A1
NOT TO BE USED FOR CONSTRUCTION		
Project - Drawing No.		Issue
18-583-C027		P2



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DP750634

P2	ISSUED FOR DEVELOPMENT APPLICATION	09-01-19
P1	ISSUED FOR DEVELOPMENT APPLICATION	05-12-18
Issue	Description	Date



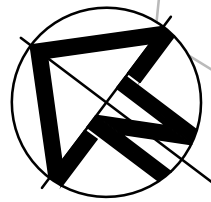
Client

lightsource bp

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Grid	MGA	Checked	AT
Height Datum	AHD	Approved	
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Project		WEST WYALONG SOLAR FARM
Title		SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 18

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>		
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	18-583-C028	Issue P2

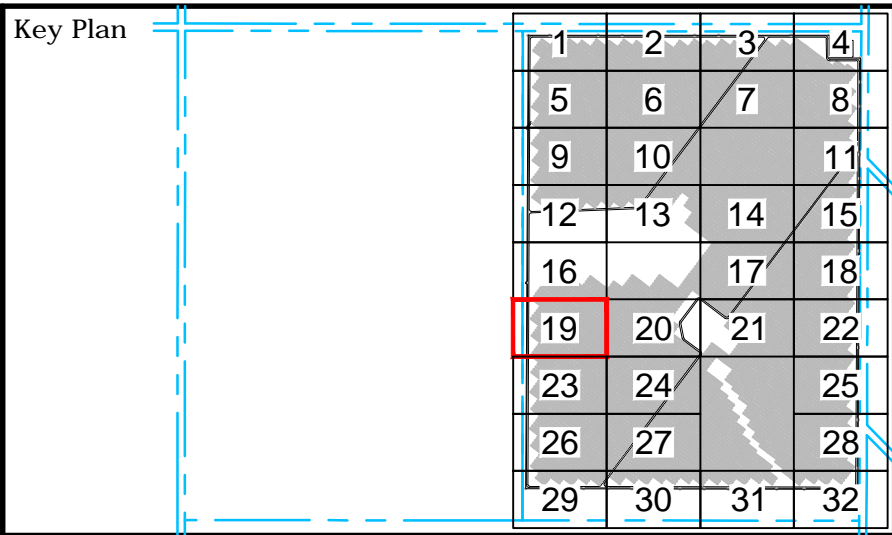
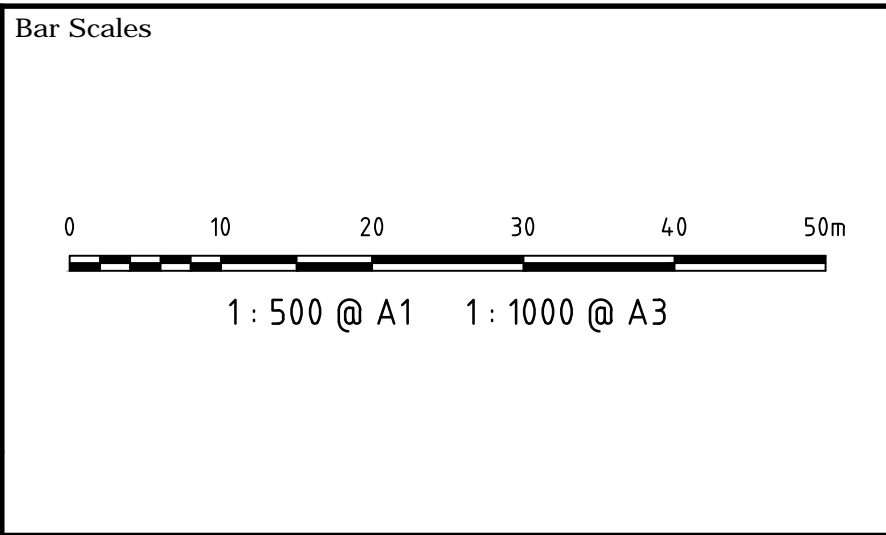


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P2	ISSUED FOR DEVELOPMENT APPLICATION	09-01-19
P1	ISSUED FOR DEVELOPMENT APPLICATION	05-12-18
Issue	Description	Date



Client

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

WEST WYALONG
SOLAR FARM

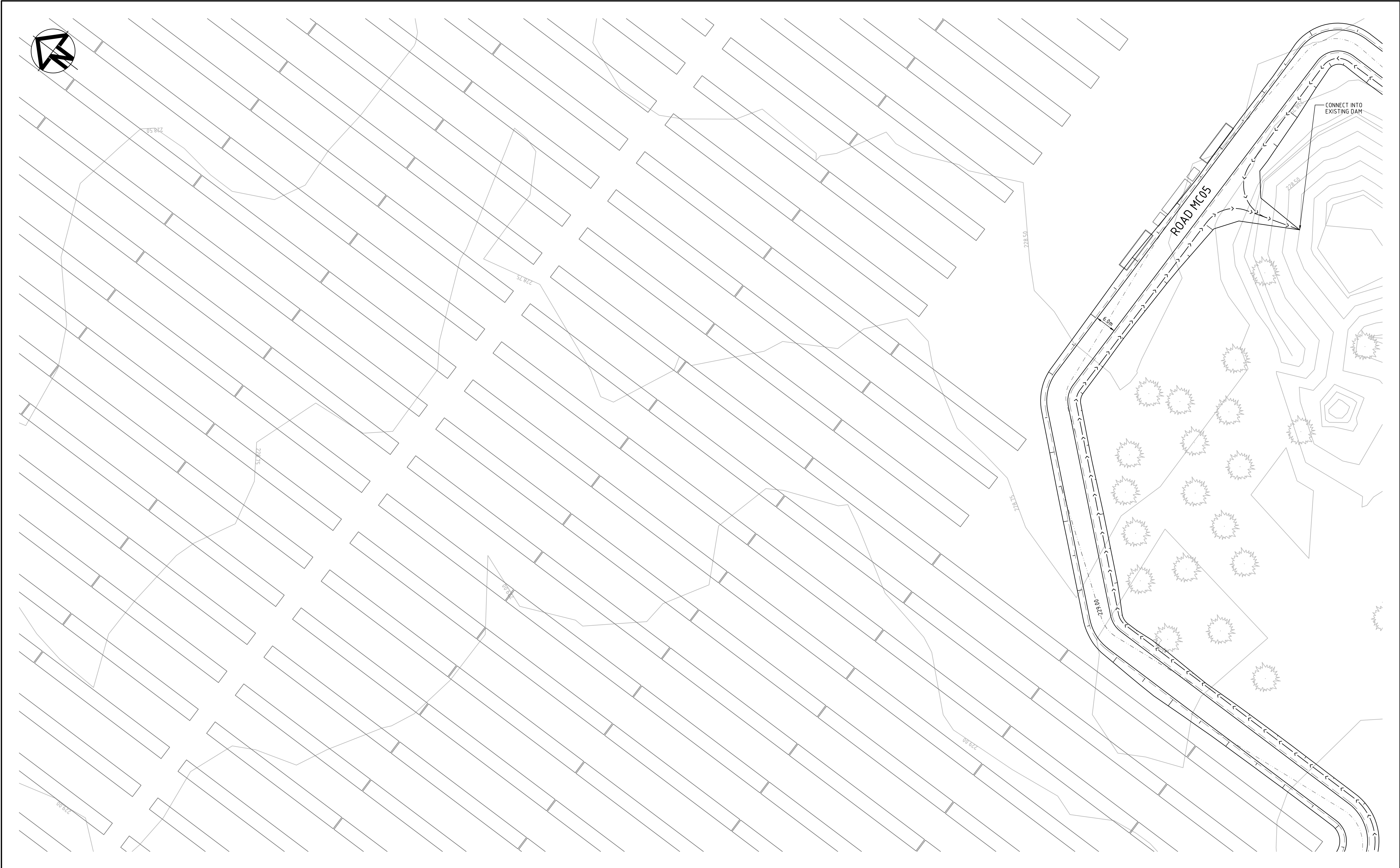
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SITEWORKS AND
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PLAN
SHEET 19

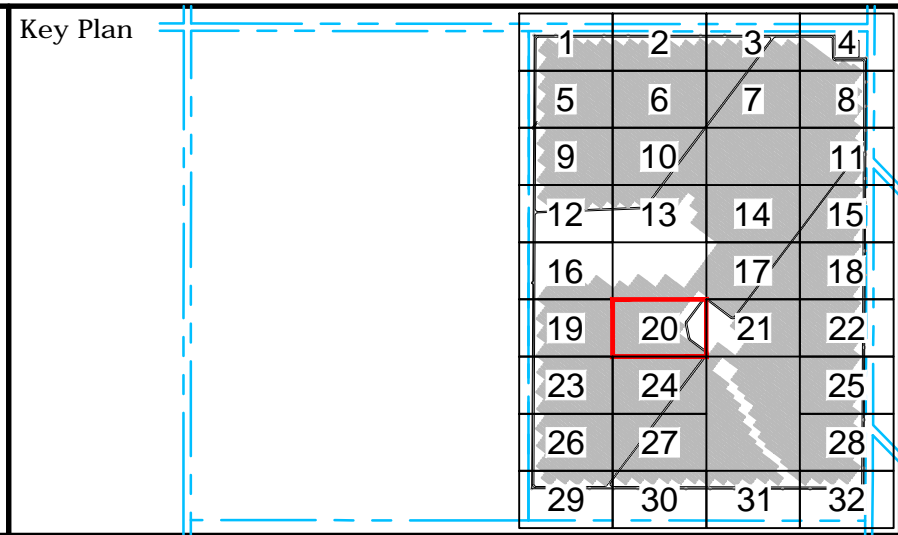
Civil Engineers and Project Managers

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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 - Drawing No.	18-583-C029	Issue
		P2



P2	ISSUED FOR DEVELOPMENT APPLICATION	09-01-19
P1	ISSUED FOR DEVELOPMENT APPLICATION	05-12-18
Issue	Description	Date



Client

lightsource bp

Scales	1 : 500	Drawn	JB
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Height Datum	AHD	Approved	
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Project

WEST WYALONG SOLAR FARM

Title

SITWORKS AND STORMWATER DRAINAGE PLAN SHEET 20

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Tel: 02 9439 1777
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Status

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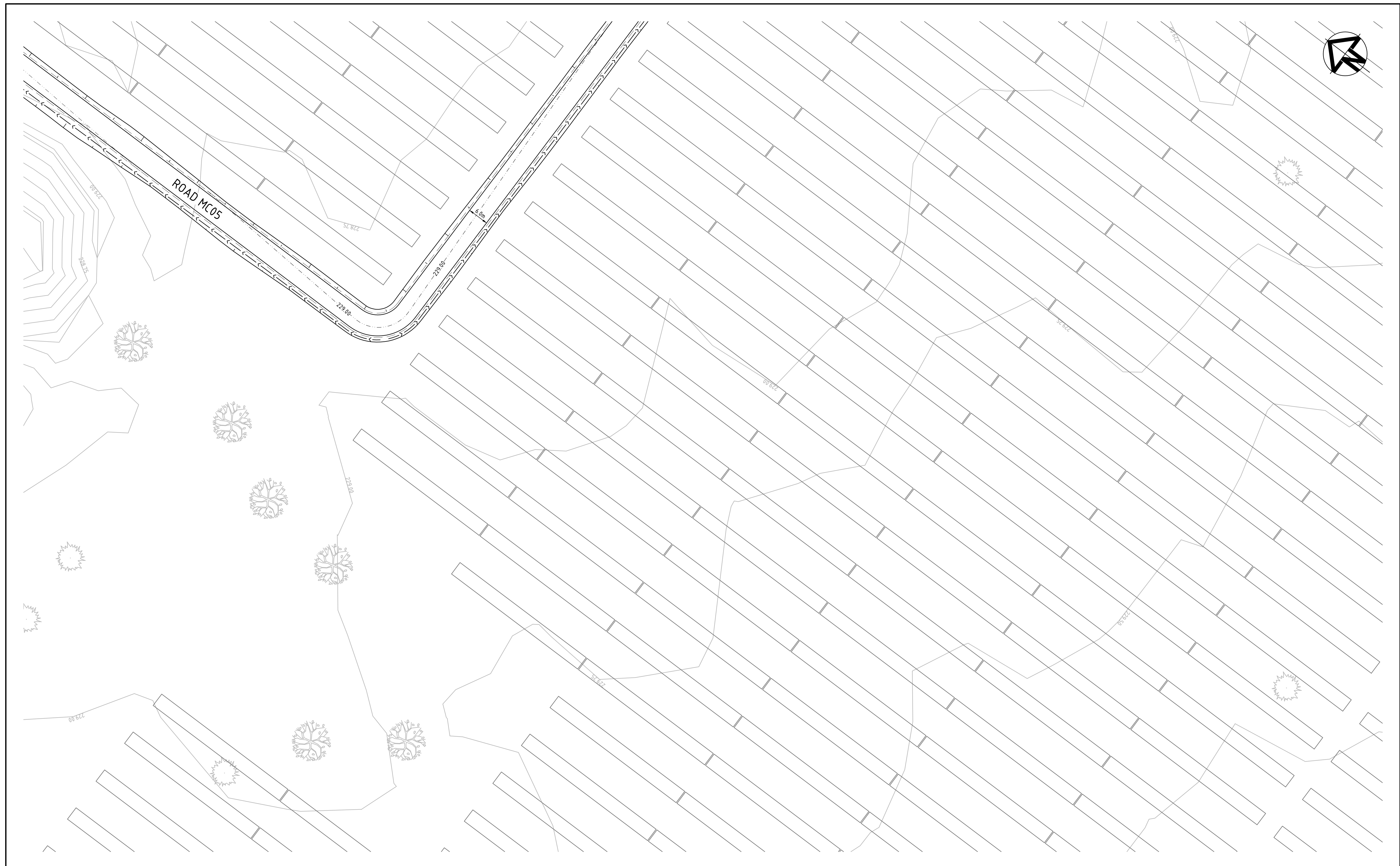
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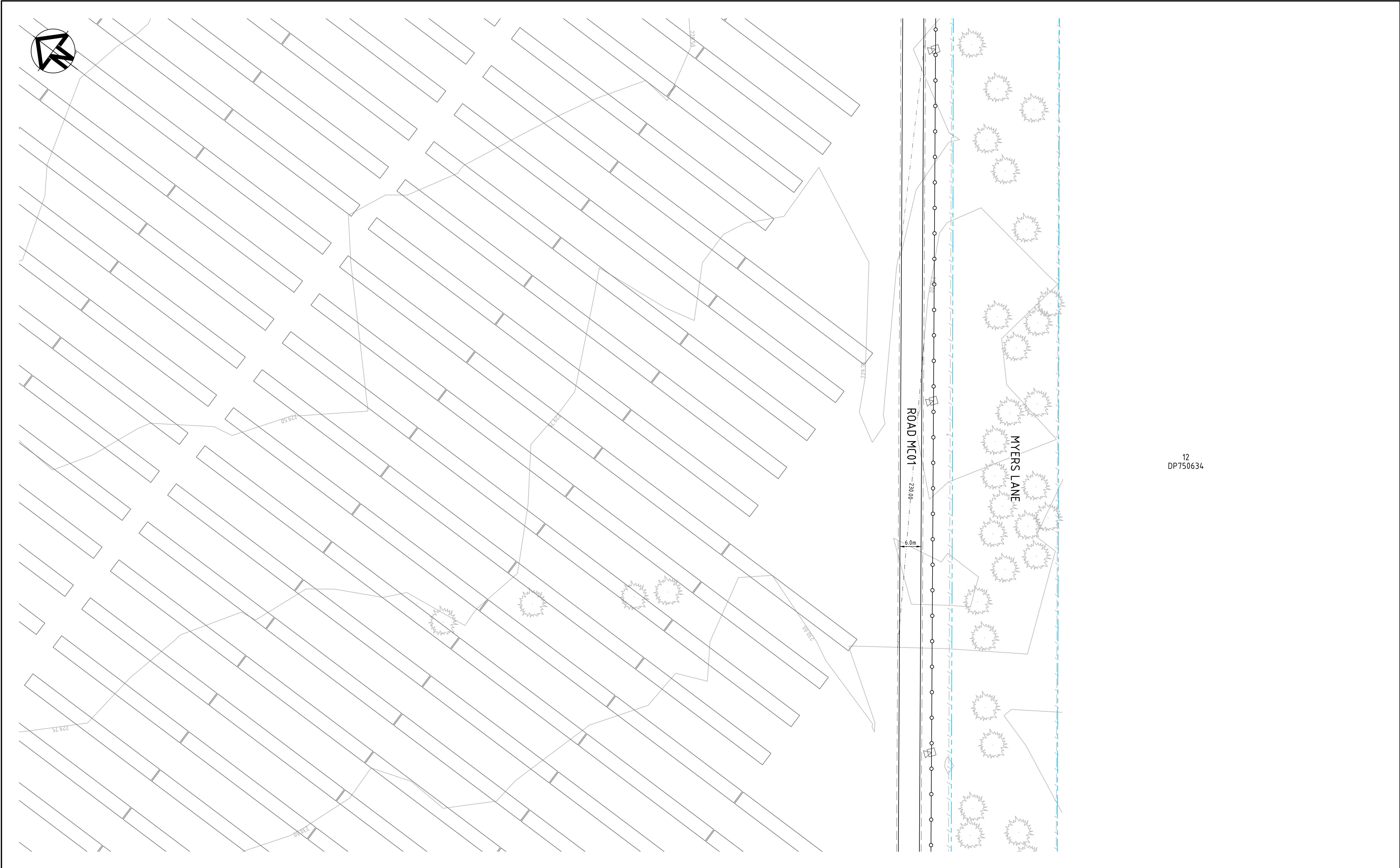
Project - Drawing No.

18-583-C030

Issue

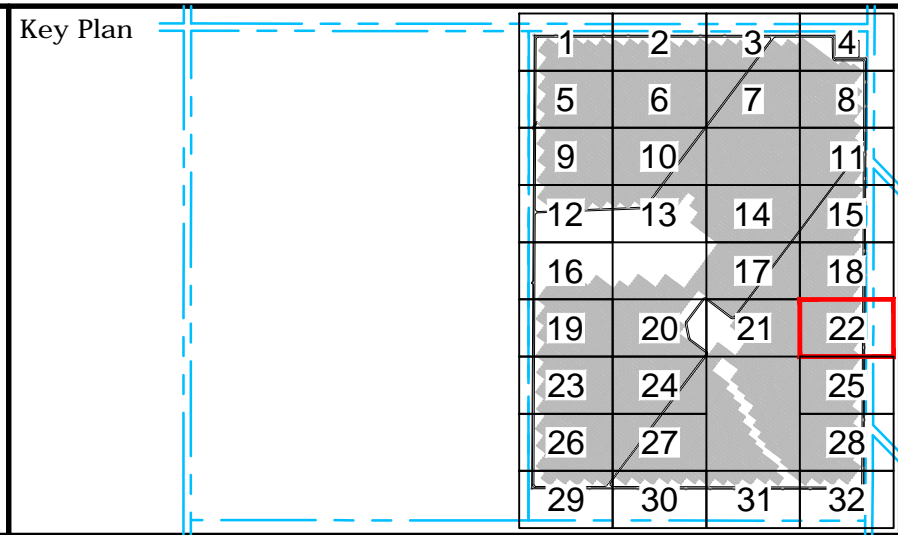
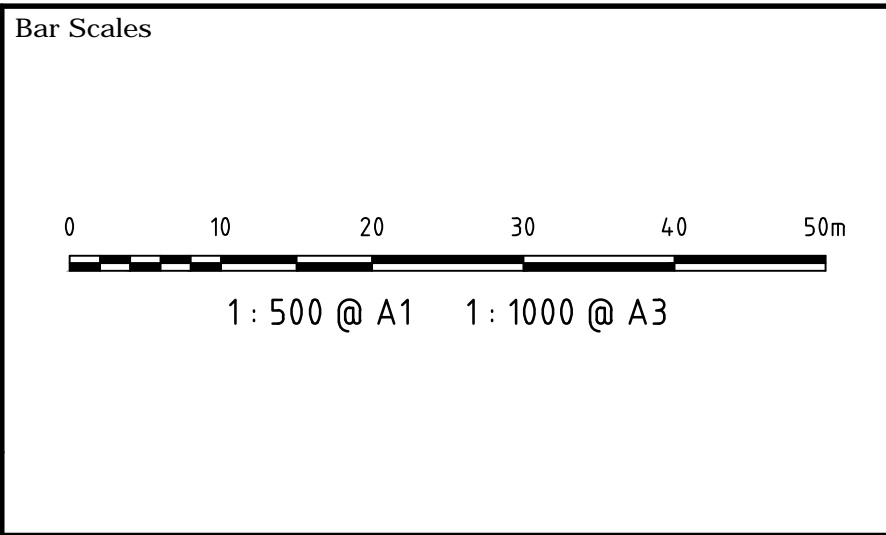
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DP750634

P2	ISSUED FOR DEVELOPMENT APPLICATION	09-01-19
P1	ISSUED FOR DEVELOPMENT APPLICATION	05-12-18
Issue	Description	Date



Client

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

WEST WYALONG
SOLAR FARM

Title

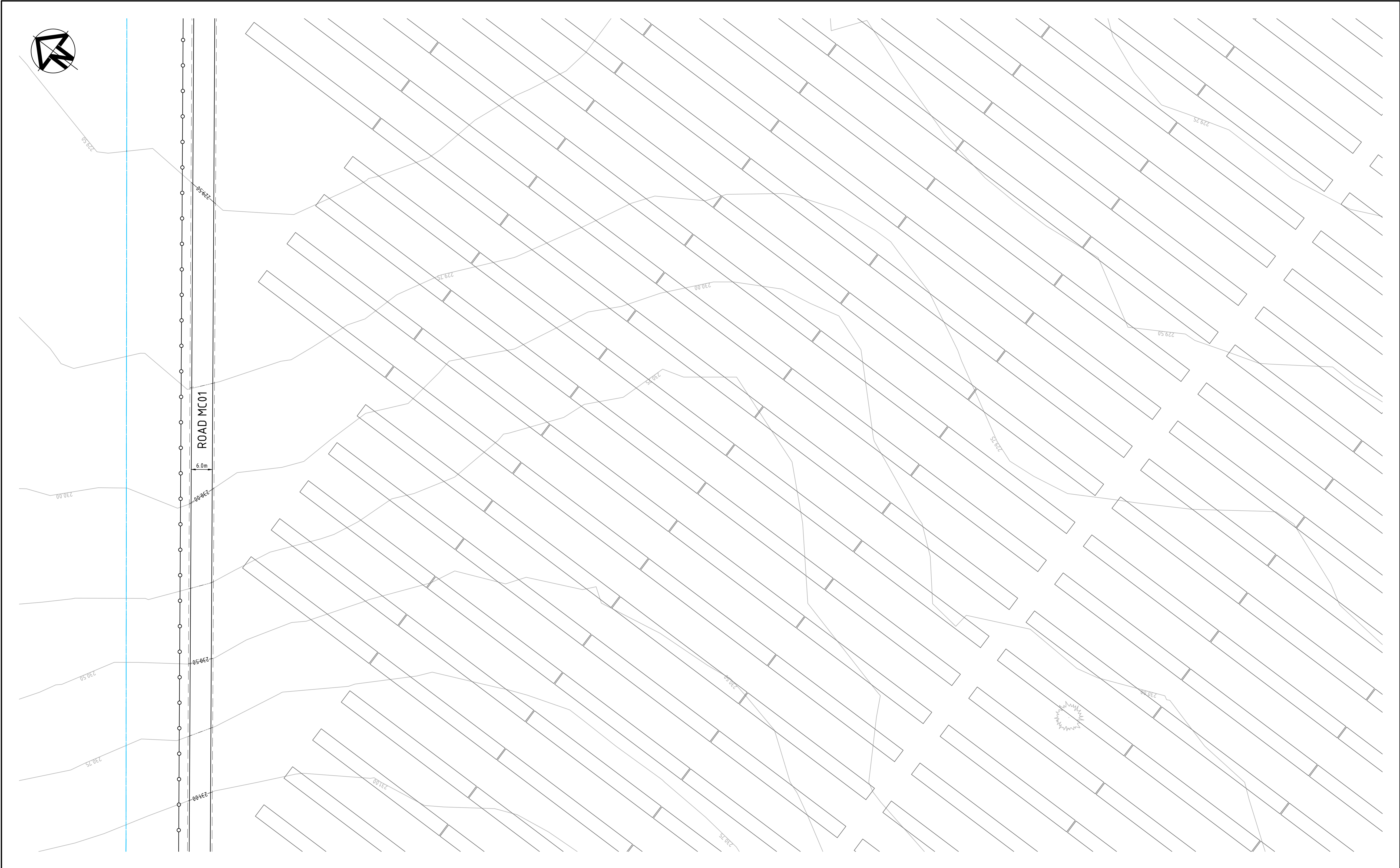
SITEWORKS AND
STORMWATER DRAINAGE
PLAN
SHEET 22

Civil Engineers and Project Managers

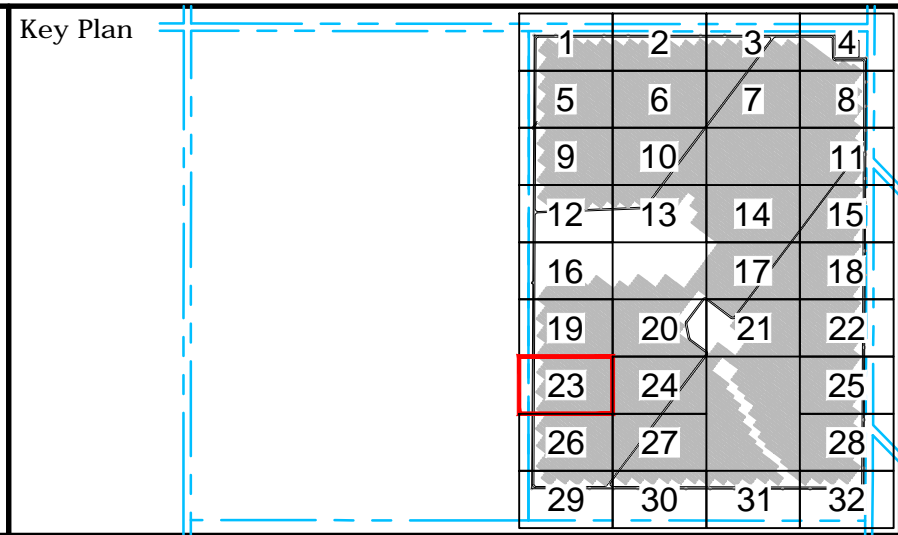
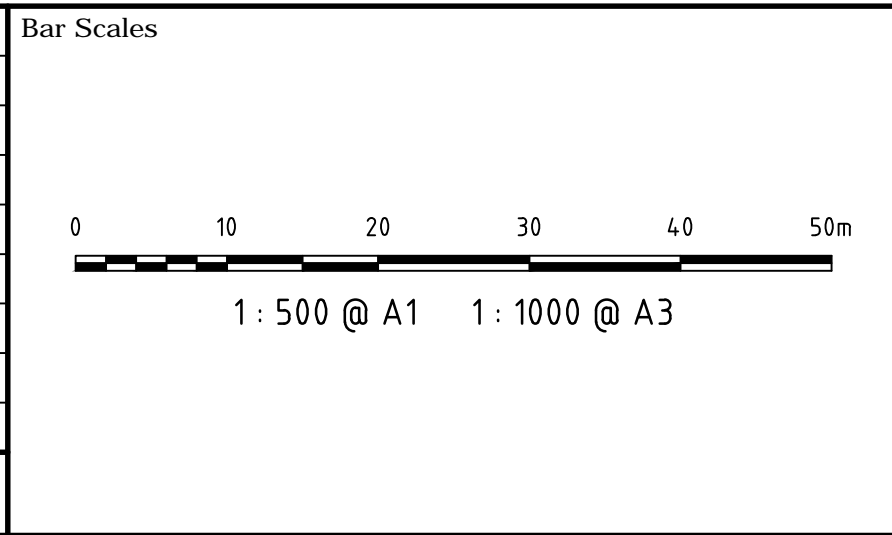
at&i

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ABN 96 130 882 405
Tel: 02 9439 1777
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info@atl.net.au

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		
Project - Drawing No.	18-583-C032	Issue
		P2



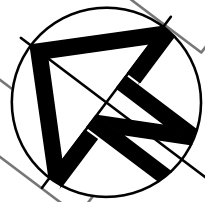
P2	ISSUED FOR DEVELOPMENT APPLICATION	09-01-19
P1	ISSUED FOR DEVELOPMENT APPLICATION	05-12-18
Issue	Description	Date



Scales	1 : 500	Drawn	JB
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Grid	MGA	Checked	AT
Height Datum	AHD	Approved	
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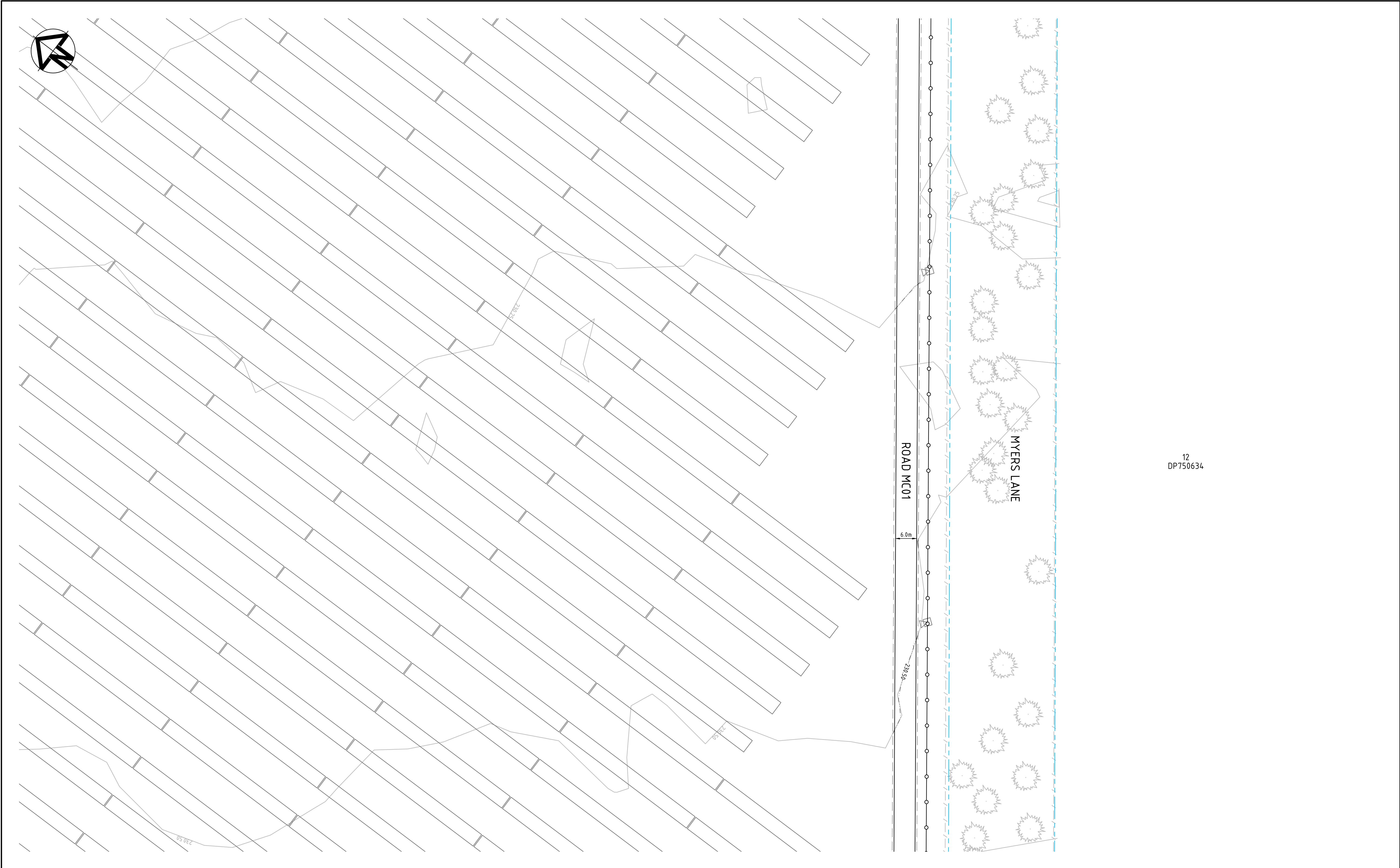
Project	WEST WYALONG SOLAR FARM
Title	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 23

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.	18-583-C033
Issue	P2



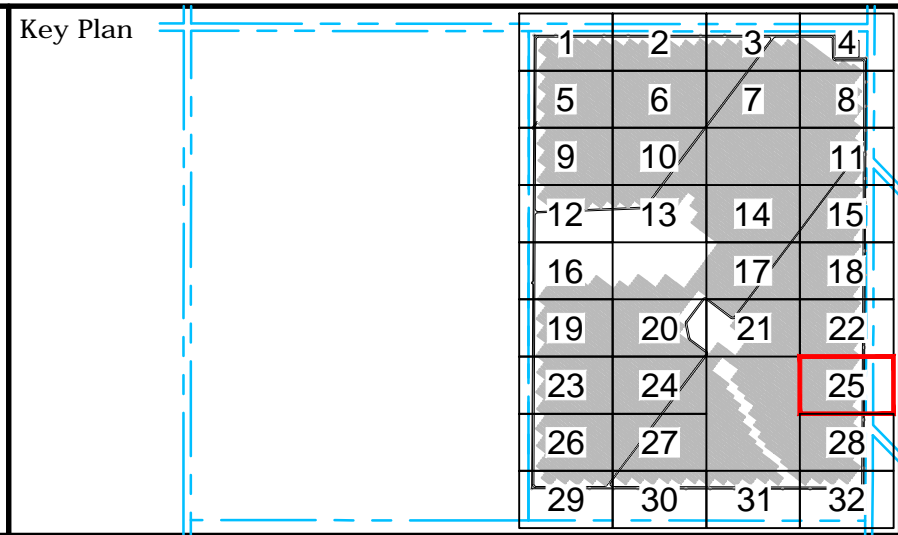
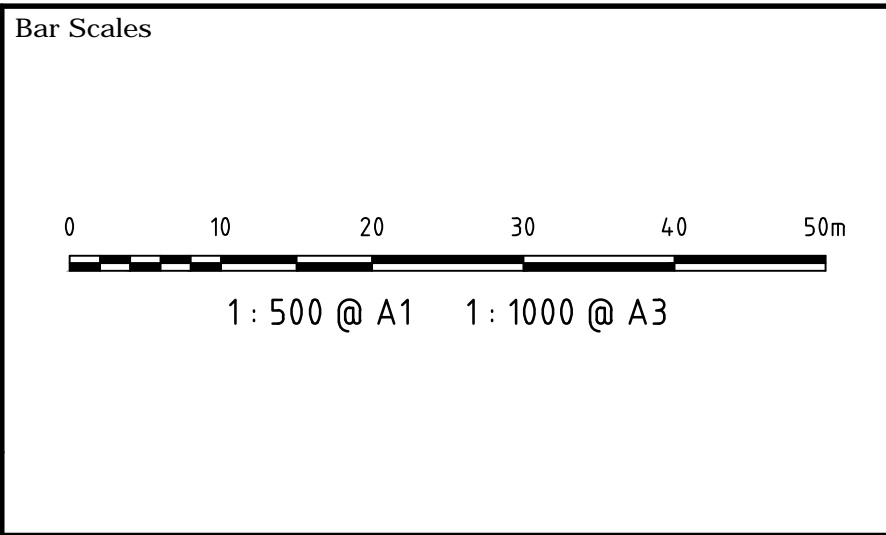
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12
DP750634

P2	ISSUED FOR DEVELOPMENT APPLICATION	09-01-19
P1	ISSUED FOR DEVELOPMENT APPLICATION	05-12-18
Issue	Description	Date



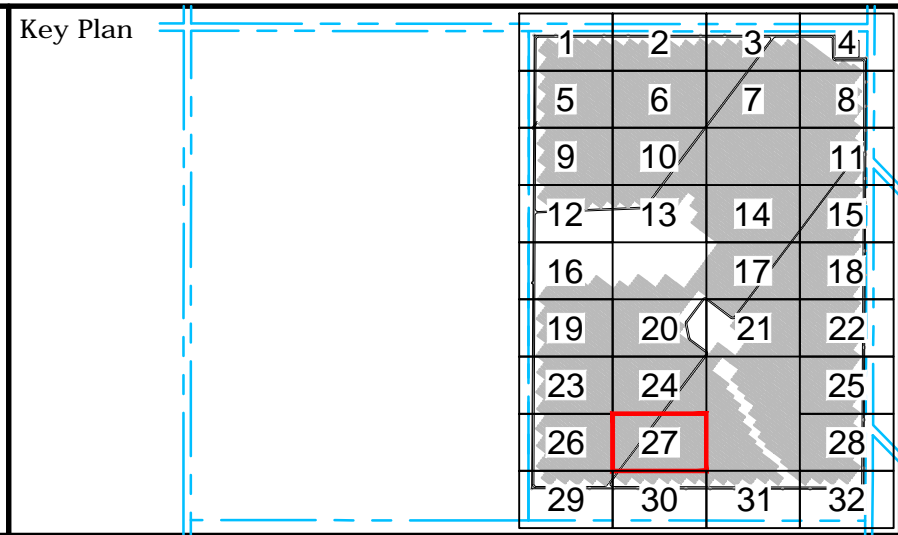
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Project	WEST WYALONG SOLAR FARM
Title	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 25

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 - Drawing No.	18-583-C035	Issue
		P2



P2	ISSUED FOR DEVELOPMENT APPLICATION	09-01-19
P1	ISSUED FOR DEVELOPMENT APPLICATION	05-12-18
Issue	Description	Date



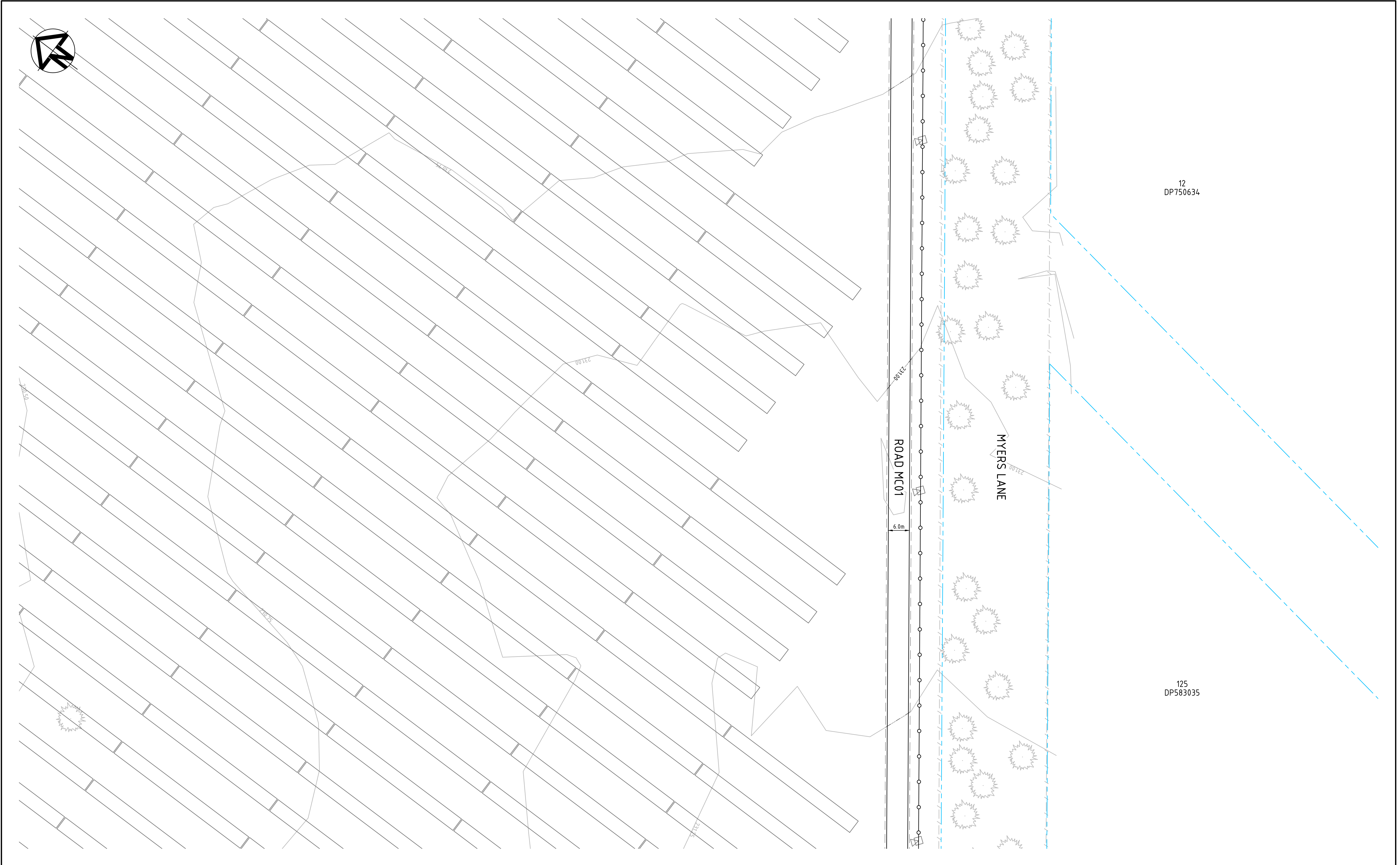
Client

lightsource bp

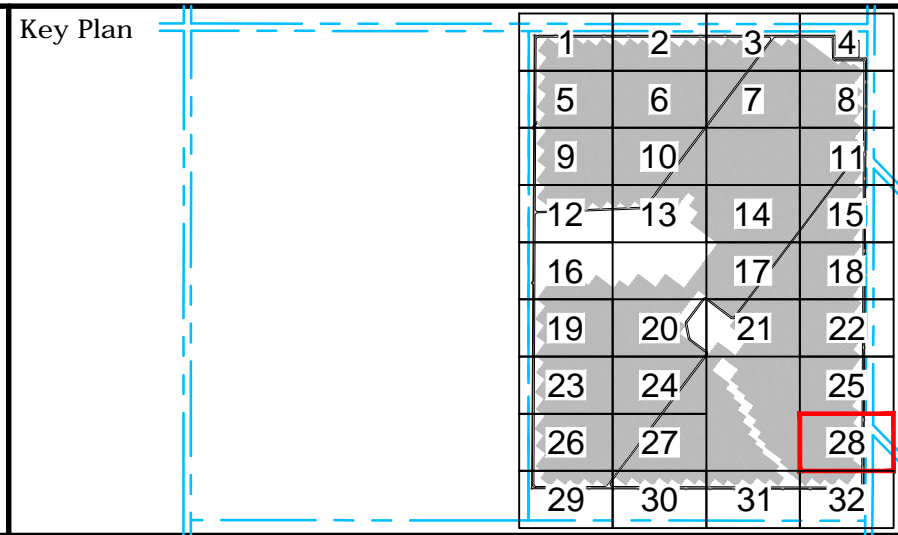
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Project	WEST WYALONG SOLAR FARM
Title	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 27

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	A1
NOT TO BE USED FOR CONSTRUCTION		
Project - Drawing No.		Issue
18-583-C037		P2



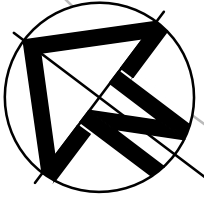
P2	ISSUED FOR DEVELOPMENT APPLICATION	09-01-19
P1	ISSUED FOR DEVELOPMENT APPLICATION	05-12-18
Issue	Description	Date

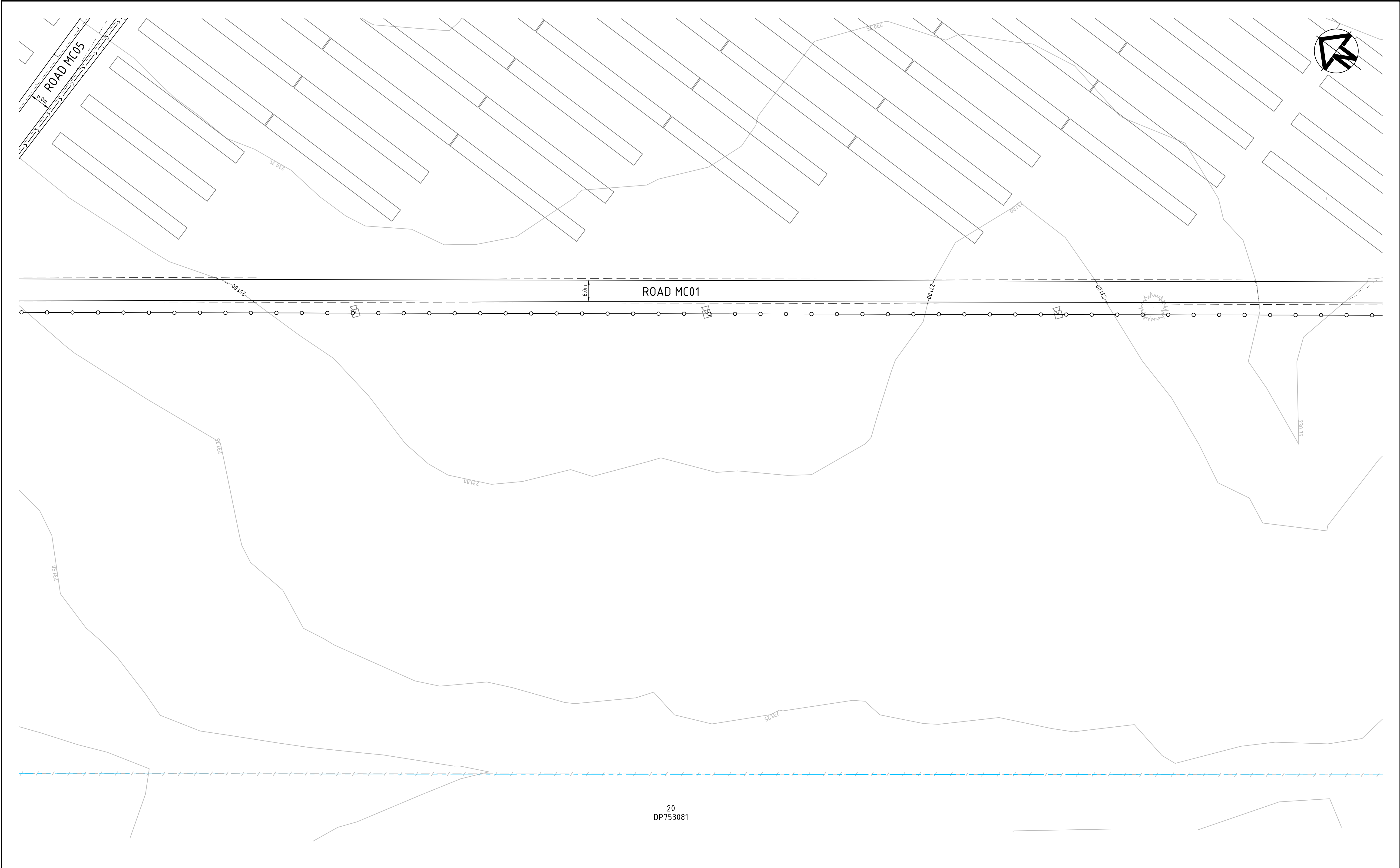


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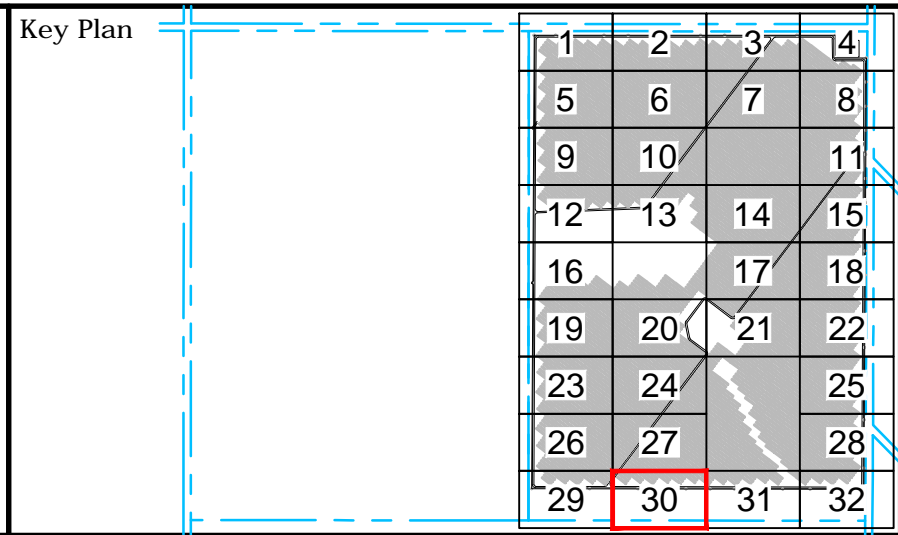
Project	WEST WYALONG SOLAR FARM
Title	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 28

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 - Drawing No.		Issue
18-583-C038		P2





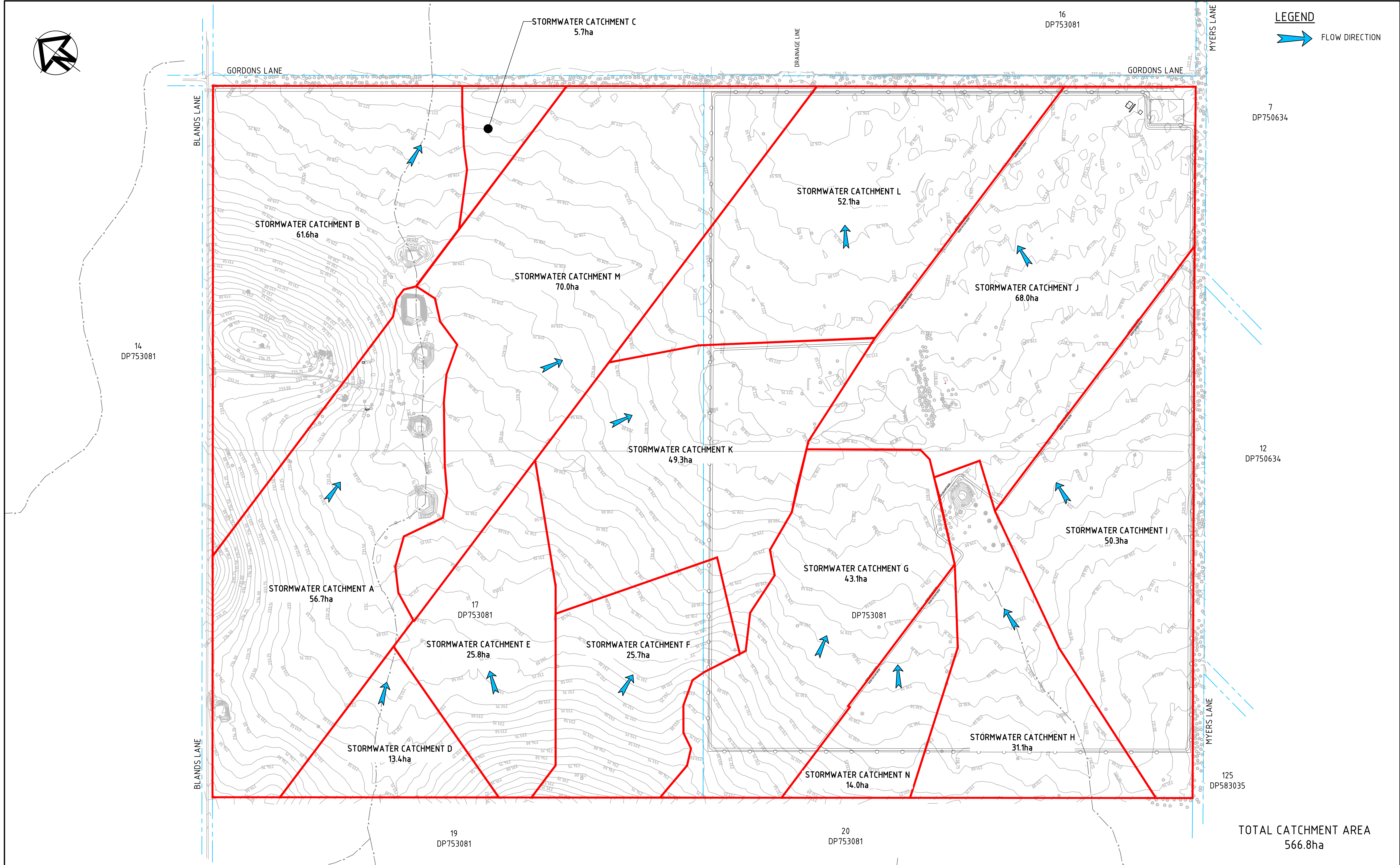
P2	ISSUED FOR DEVELOPMENT APPLICATION	09-01-19
P1	ISSUED FOR DEVELOPMENT APPLICATION	05-12-18
Issue	Description	Date



Scales	1 : 500	Drawn	JB
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Grid	MGA	Checked	AT
Height Datum	AHD	Approved	
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Project	WEST WYALONG SOLAR FARM
Title	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 30

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.	18-583-C040	Issue P2



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