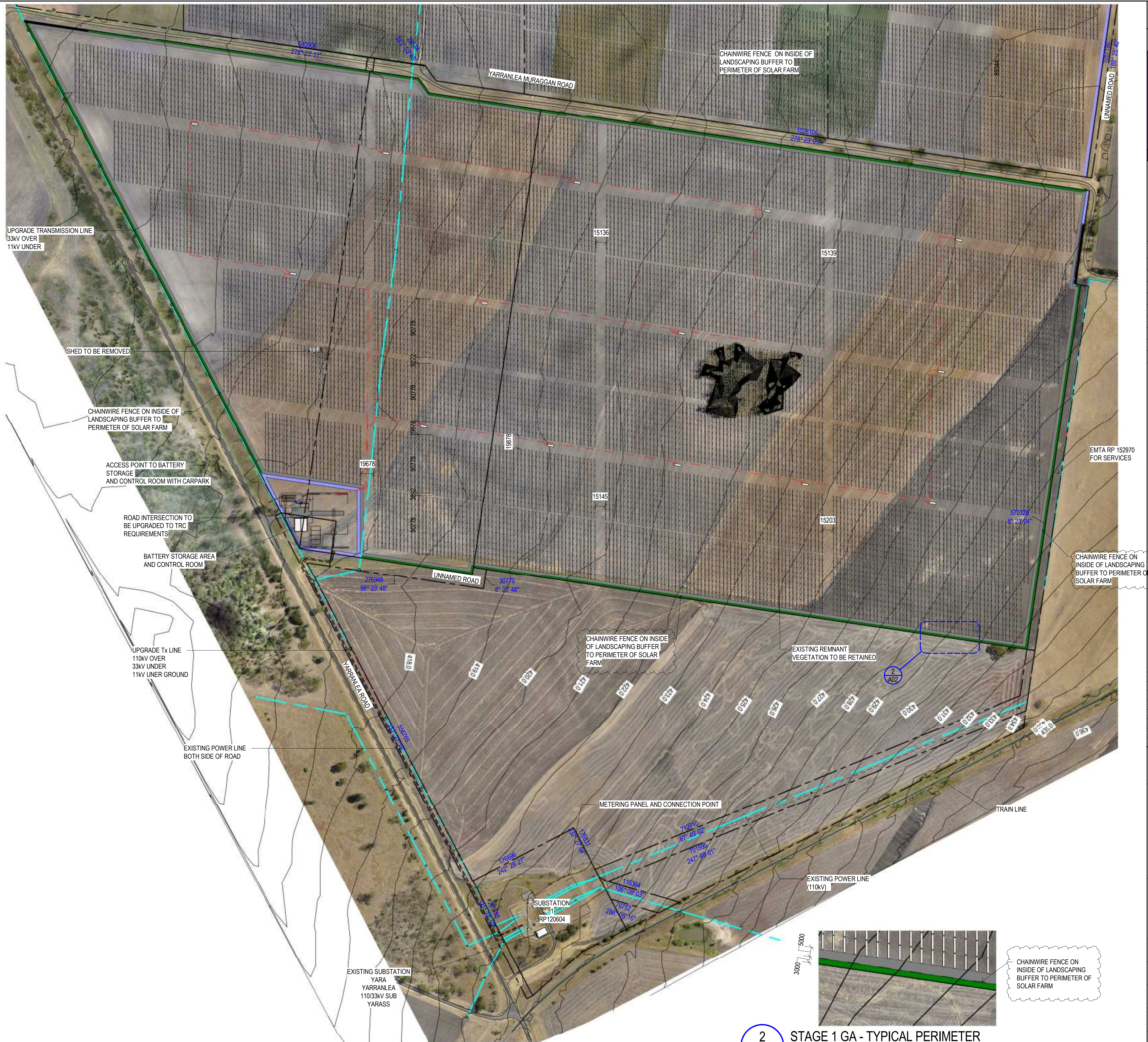
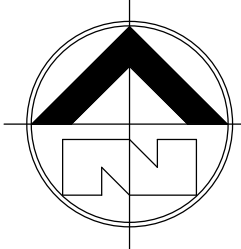


1:10000

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PROJECT TEAM

Consulting Engineer:

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STAGE 1 SCHEDULE	
NAME	AREA
ACCESS TRACK	22354m ²
BUILDINGS	580m ²
CARPARK BITUMEN	1123m ²
GRAVEL COVER	3610m ²
INVERTERS	207m ²
LANDSCAPING	15722m ²
SOLAR PANELS	276 665m ²
TOTAL	320261m ²

- LANDSCAPING BUFFER (3m)
- LANDSCAPING BUFFER (5m)
- EXISTING HOUSE
- ACCESS TRACK
- LEASE BOUNDARY / PROPERTY LINE
- BOUNDARY

G	FENCE LOCATION NOTED	10.11.2016	R.J.R.
F	LANDSCAPING REVISED	19.08.2016	R.J.R.
E	FOR COUNCIL APPROVAL	17.06.2016	J.A.W
D	ERGON CLEARANCE INCREASED	15.06.2016	J.A.W
C	PLANS AMENDED	01.06.2016	R.J.R.
B	BACKGROUND IMAGE REALIGNED	27.01.2016	R.J.R.
A	DRAWING AMENDED	22.01.2016	R.J.R.
REV	DESCRIPTION	DATE	BY

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

Project

PROPOSED YARRANLEA SOLAR FARM

538 AND 752, YARRANLEA ROAD, YARRANLEA

for YARRANLEA SOLAR PTY LTD

STAGE 1 GA PLAN			
Drawn	Date	Chkd	Date
R.J.R.	14.07.2016	N.C.	
Design	Date	Apprd	Date
N.C.			
Scale	A1	Certif	Date
As indicated			
Project No.	15-282	Dwg. No.	Rev
		A02	G

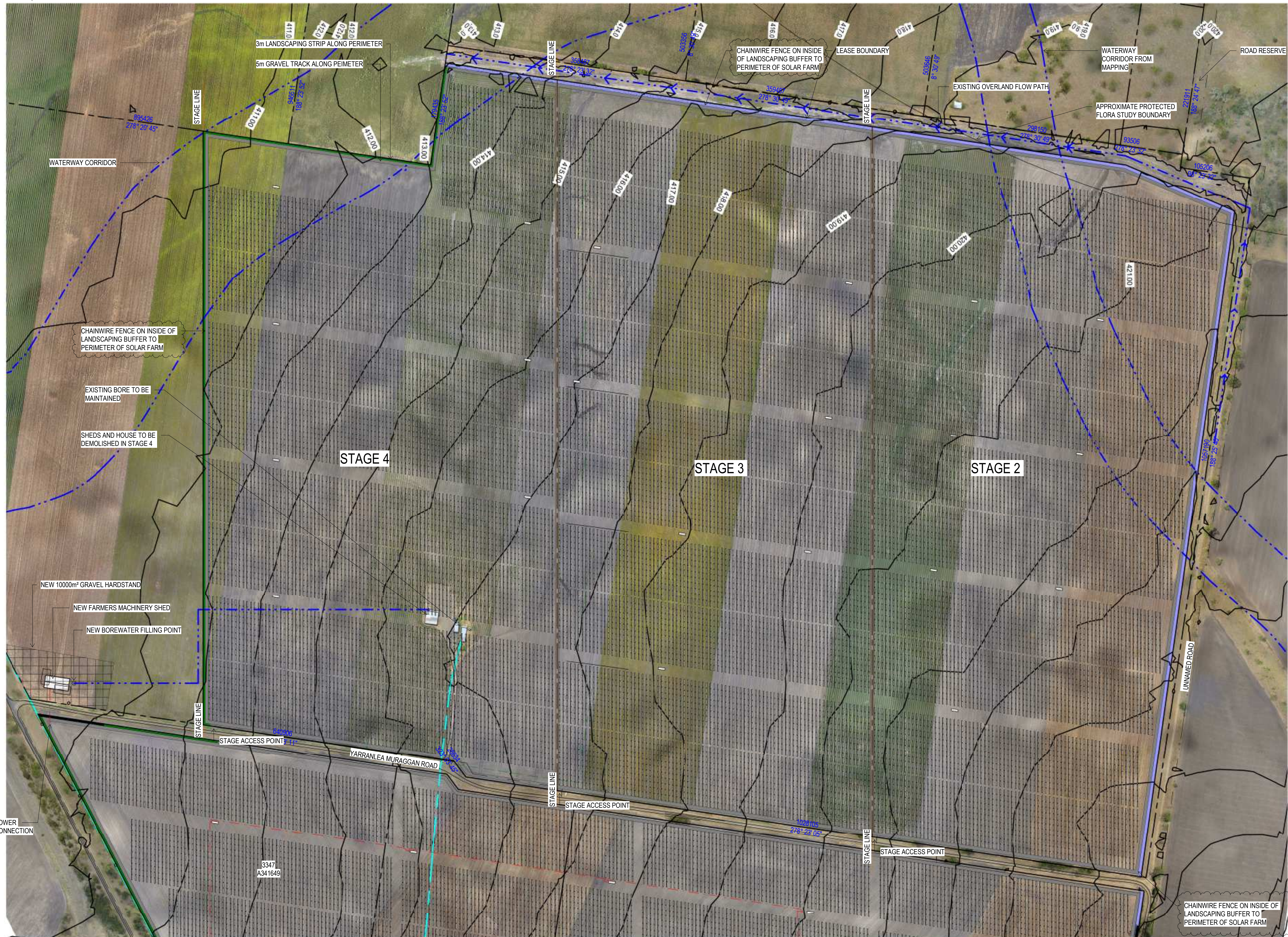
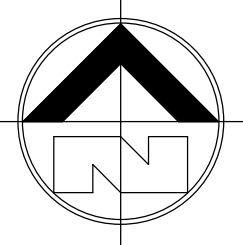
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1 STAGE 1

1:3000

2 STAGE 1 GA - TYPICAL PERIMETER

1:1000



PROJECT TEAM

Consulting Engineer:

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STAGE 2 SCHEDULE	
NAME	AREA
ACCESS TRACK	12366m²
INVERTERS	103m²
LANDSCAING	7800m²
SOLAR PANELS	142336m²
TOTAL	160605m²

STAGE 3 SCHEDULE	
NAME	AREA
ACCESS TRACK	9989m²
INVERTERS	103m²
LANDSCAING	2380m²
SOLAR PANELS	145894m²
TOTAL	158366m²

STAGE 4 SCHEDULE	
NAME	AREA
ACCESS TRACK	13015m²
INVERTERS	103m²
LANDSCAING	5001m²
SOLAR PANELS	142868m²
TOTAL	160987m²

<div></div>	LANDSCAPING BUFFER (3m)
<div></div>	LANDSCAPING BUFFER (5m)
<div></div>	EXISTING HOUSE LEASE BOUNDARY / PROPERTY LINE
<div></div>	ACCESS TRACK BOUNDARY

F	FENCE LOCATION NOTED	10.11.2016	R.J.R.
E	LANDSCAPING REVISED	19.08.2016	R.J.R.
D	FOR COUNCIL APPROVAL	17.06.2016	J.A.W
C	PLANS AMENDED	01.06.2016	R.J.R.
B	WATERWAY CORRIDORS ADDED	15.02.2016	R.J.R.
A	DRAWING AMENDED	22.01.2016	R.J.R.
REV	DESCRIPTION	DATE	BY

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

Project

PROPOSED YARRANLEA SOLAR FARM

538 AND 752, YARRANLEA ROAD, YARRANLEA

for YARRANLEA SOLAR PTY LTD

Title
STAGE 2, 3 AND 4 GA PLANS

Drawn	Date	Chkd	Date
R.J.R.	14.07.2016	N.C.	
Design	Date	Apprd	Date
N.C.			
Scale	A1	Certif	Date
As indicated			
Project No.	Dwg. No.	Rev	
15-282	A03	F	

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SUBSTATION SCHEDULE

NAME	AREA
B.U.G.	12m²
BATTERY STORE	368m²
CARPARK BITUMEN	1123m²
CONTROL ROOM	76m²
GRAVEL COVER	3610m²
SWITCH ROOM	124m²
TOTAL	5313m²

- BITUMEN COVER
- GRAVEL COVER
- LANDSCAPING BUFFER (3m)
- LANDSCAPING BUFFER (5m)
- EXISTING HOUSE
- ACCESS TRACK
- FENCE LINE
- LEASE BOUNDARY / PROPERTY LINE
- BOUNDARY

E	MINOR AMENDMENTS	16.11.2016	K.J.L.
D	LANDSCAPING REVISED	19.08.2016	R.J.R.
C	FOR COUNCIL APPROVAL	17.06.2016	J.A.W
B	PLANS AMENDED	01.06.2016	R.J.R.
A	DRAWING AMENDED	22.01.2016	R.J.R.
REV	DESCRIPTION	DATE	BY

FOR APPROVAL

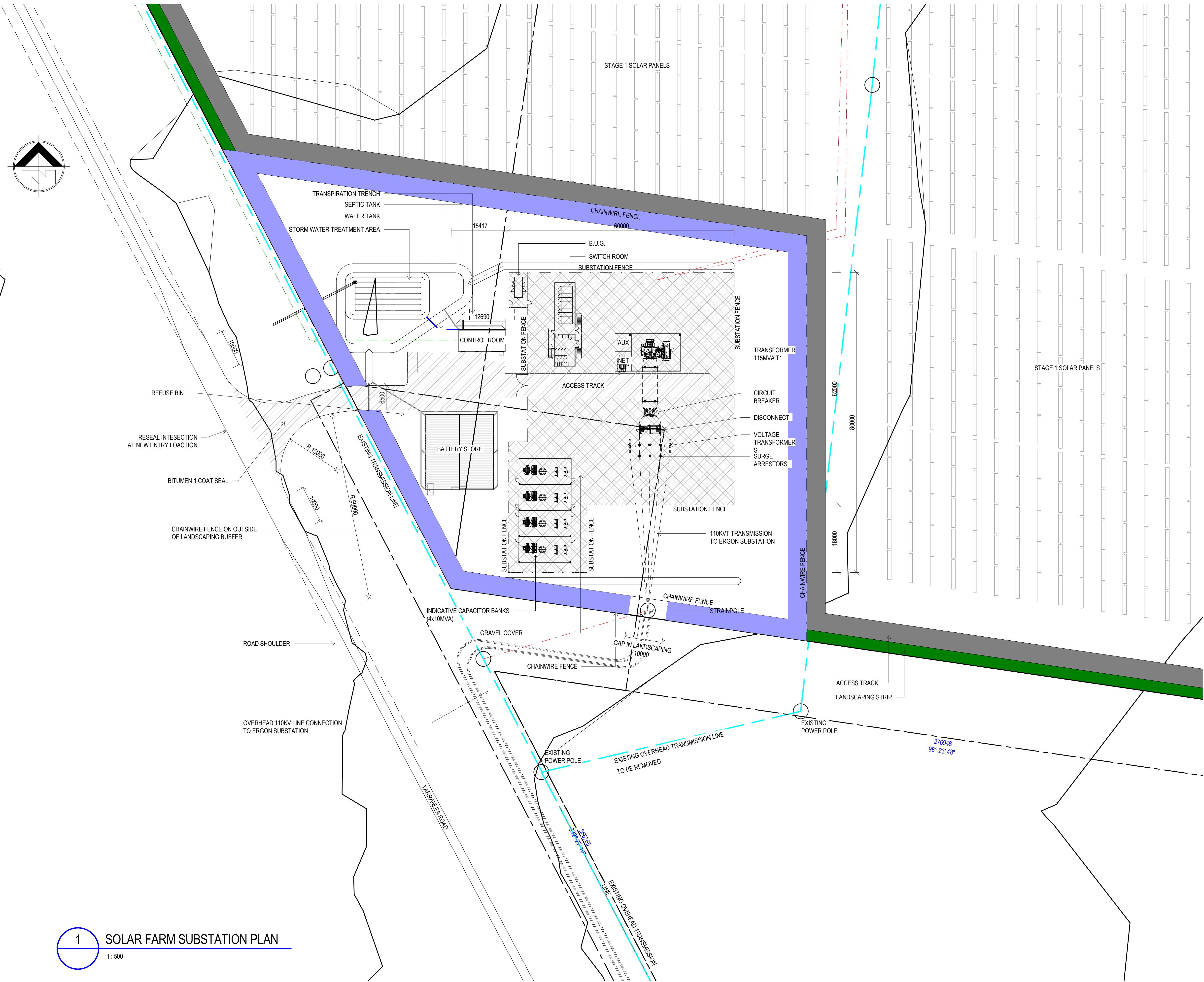
NOT TO BE USED FOR CONSTRUCTION

Project
PROPOSED YARRANLEA SOLAR FARM
538 AND 752, YARRANLEA ROAD,
YARRANLEA
for
YARRANLEA SOLAR PTY LTD

Title
SUBSTATION PLAN

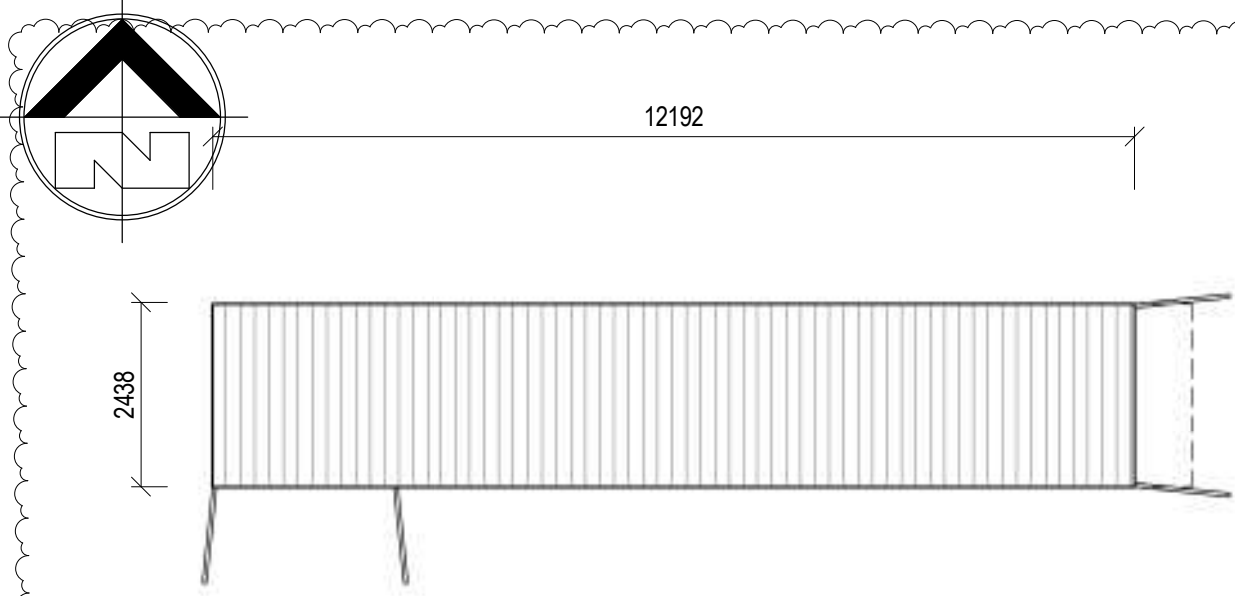
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R.J.R.	14.07.2016	N.C.	
Design	Date	Apprd	Date
N.C.			
Scale	A1	Certif	Date
As indicated			
Project No.	Dwg. No.	Rev	
15-282	A04	E	

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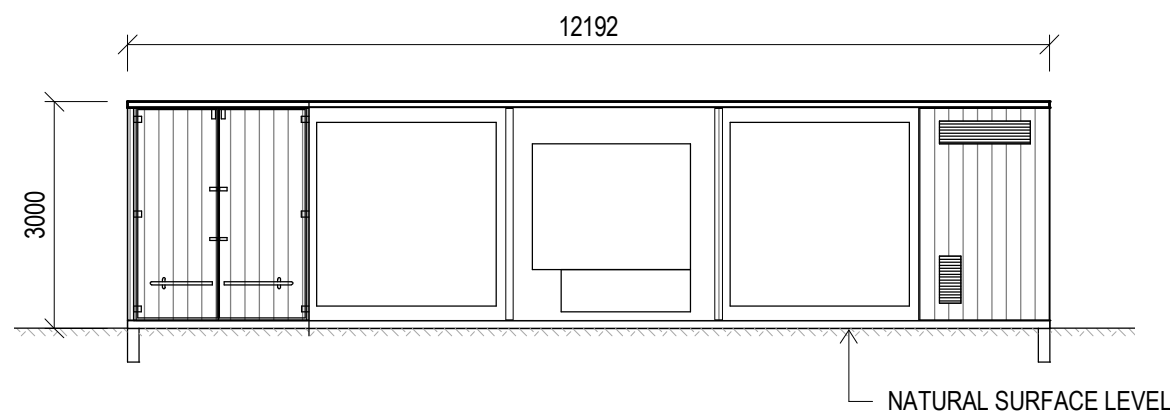
1 SOLAR FARM SUBSTATION PLAN

1 : 500



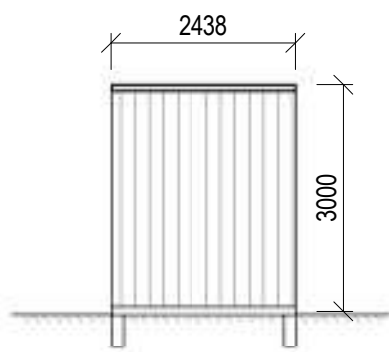
1 INVERTER PLAN

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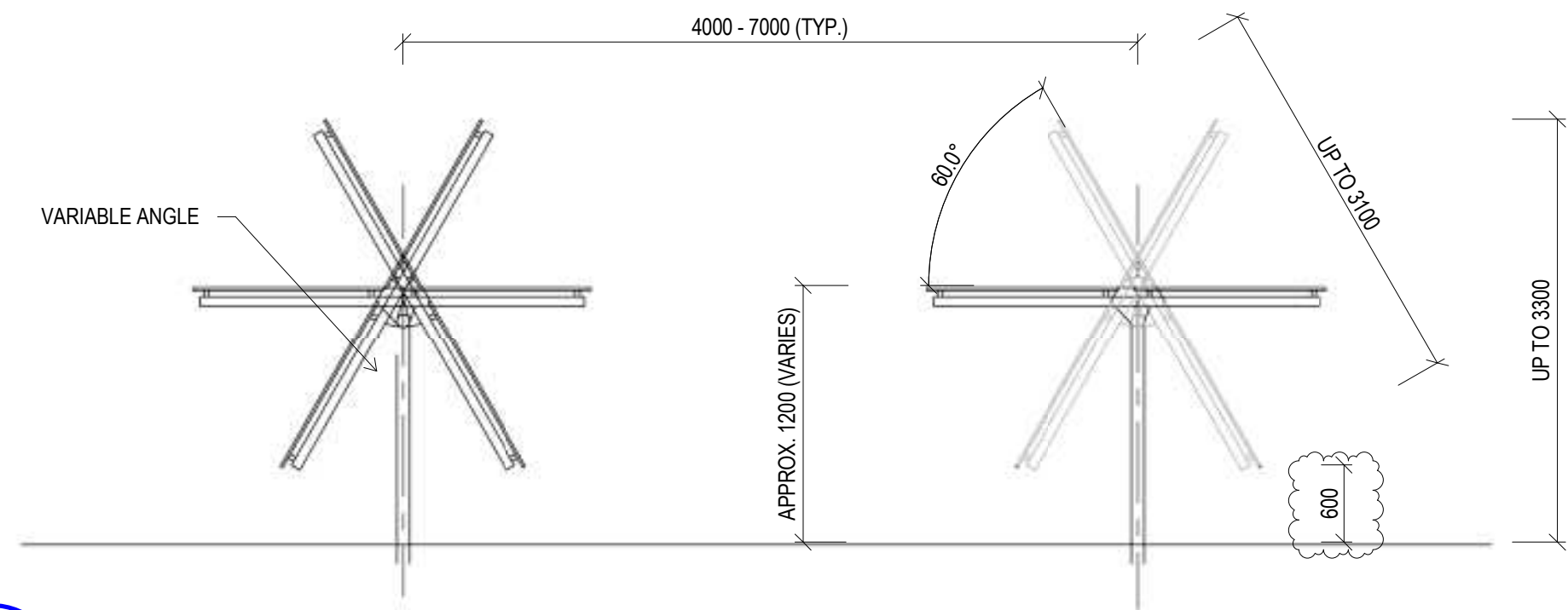
3 INVERTER ELEVATION (BOTH SIDES)

1 : 100



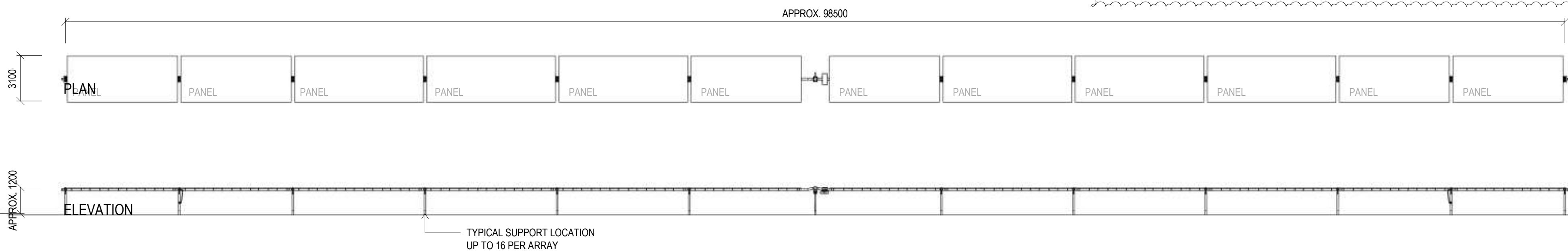
5 INVERTER SIDE (BOTH SIDES)

1 : 100



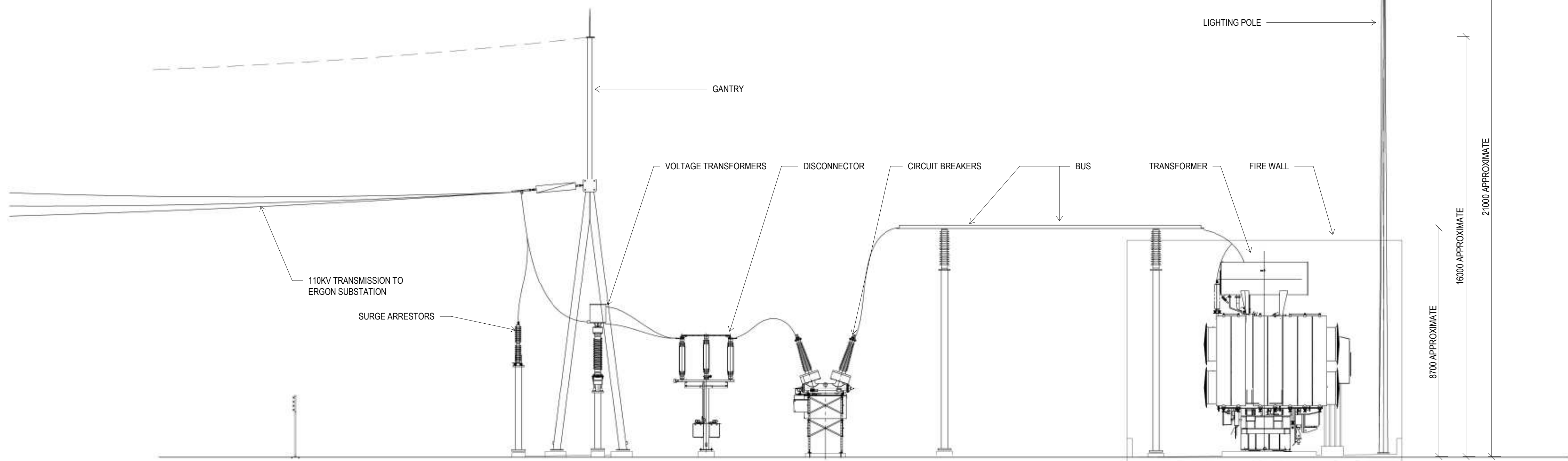
6 SOLAR PANEL TRACKER SECTION

1 : 50



2 SOLAR PANEL TRACKER DETAIL

1 : 200



4 SUBSTATION ELEVATION

1 : 100

PROJECT TEAM

Consulting Engineer:



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D	SOLAR ARRAY DETAILS ADDED	14.10.2016	R.J.R.
C	FOR COUNCIL APPROVAL	17.06.2016	J.A.W.
B	PLANS AMENDED	01.06.2016	R.J.R.
A	DRAWING AMENDED	22.01.2016	R.J.R.
REV	DESCRIPTION	DATE	BY

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

Project
PROPOSED YARRANLEA SOLAR FARM
538 AND 752, YARRANLEA ROAD,
YARRANLEA
for
YARRANLEA SOLAR PTY LTD

Title
INVERTER, SOLAR PANEL AND FENCE DETAILS

Drawn	Date	Chkd	Date
R.J.R.	14.07.2016	N.C.	
Design	Date	Apprd	Date
N.C.			
Scale	A1	Certif	Date
As indicated			
Project No.	Dwg. No.	Rev	
15-282	A05	D	

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PROJECT TEAM

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NOTE:
LEVELS INDICATIVE ONLY TO BE CONFIRMED

C	FOR COUNCIL APPROVAL	17.06.2016	J.A.W
B	PLANS AMENDED	01.06.2016	R.J.R.
A	DRAWING AMENDED	22.01.2016	R.J.R.
REV	DESCRIPTION	DATE	BY

Status

FOR APPROVAL

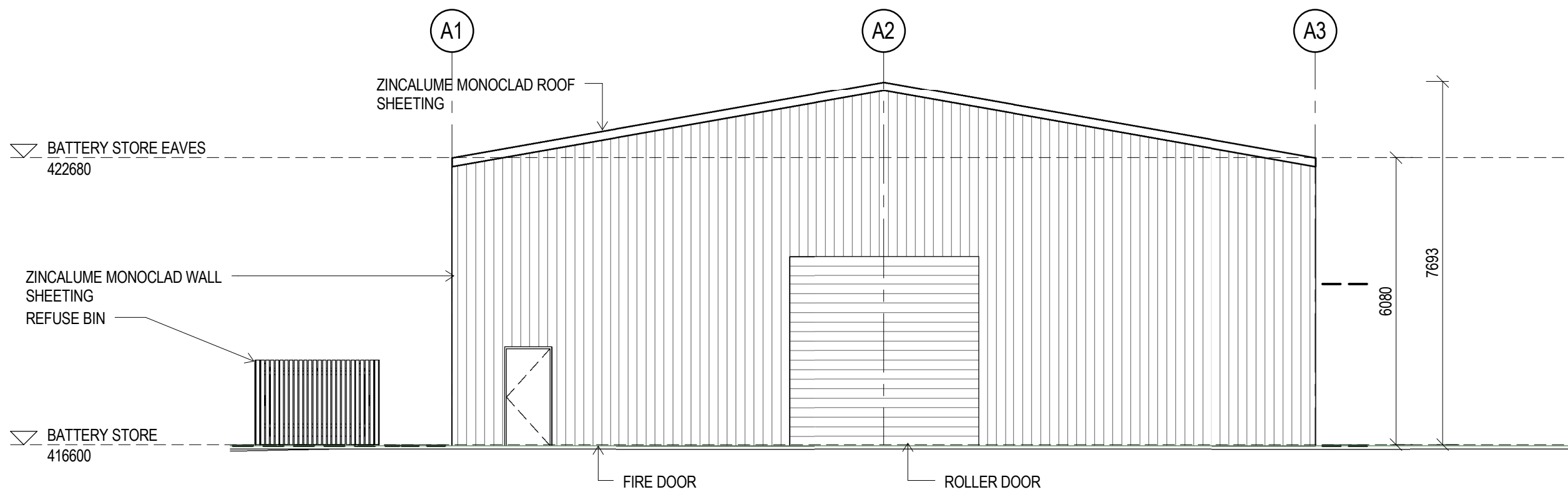
NOT TO BE USED FOR CONSTRUCTION

Project
PROPOSED YARRANLEA SOLAR FARM
538 AND 752, YARRANLEA ROAD, YARRANLEA
for
YARRANLEA SOLAR PTY LTD

Title
BATTERY STORE AND CONTROL ROOM ELEVATIONS

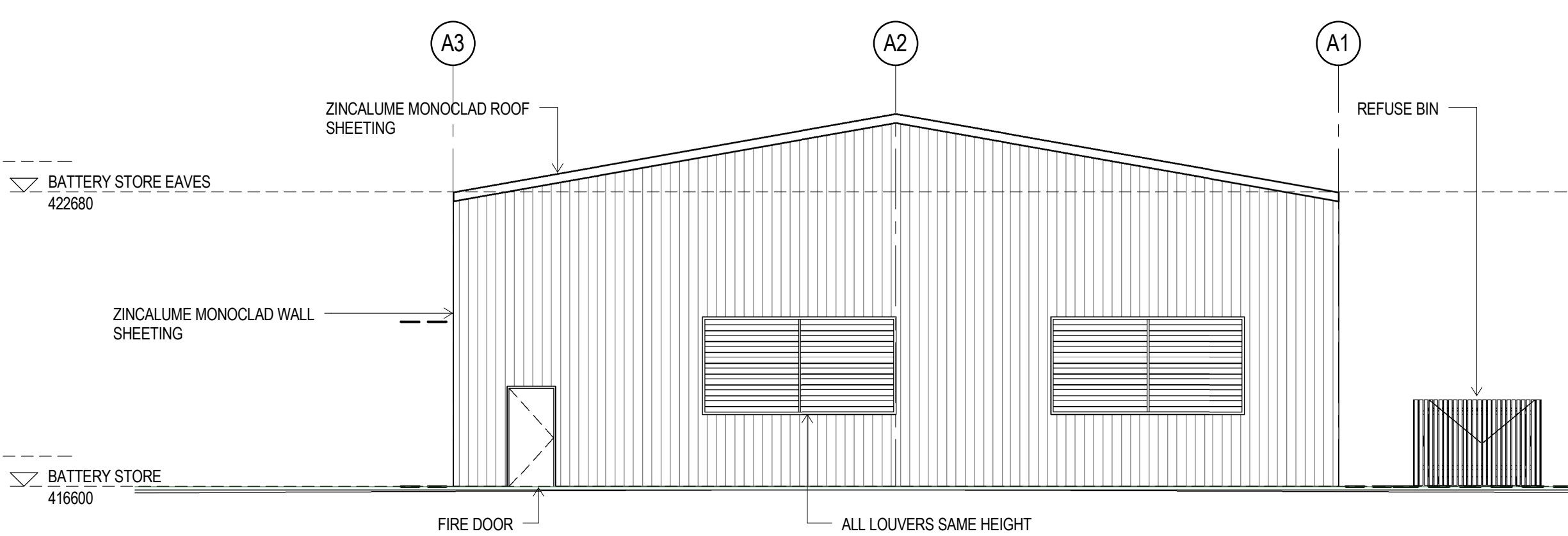
Drawn R.J.R.	Date 07.01.2016	Chkd N.C.	Date
Design N.C.	Date	Apprd	Date
Scale 1 : 100	A1	Certif	Date
Project No. 15-282	Dwg. No. A07	Rev C	

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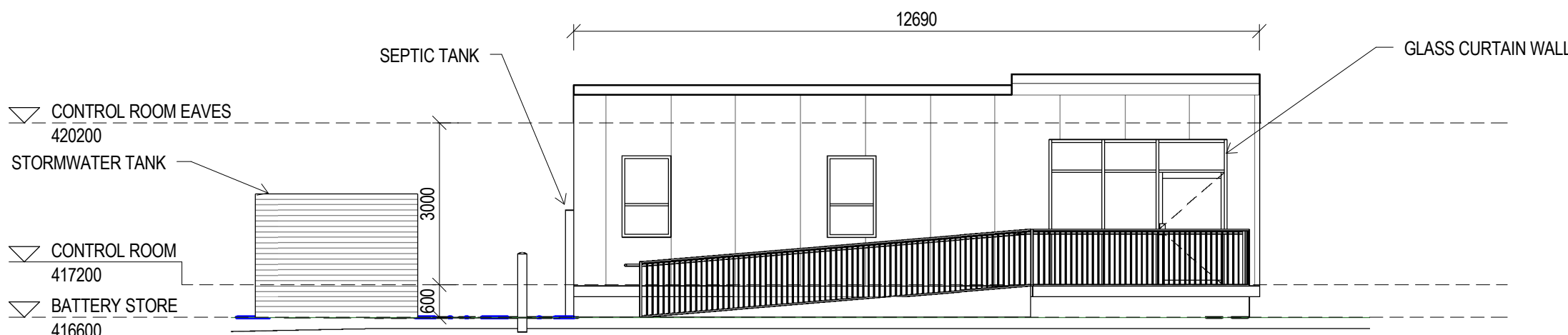
1 NORTH ELEVATION BATTERY STORE

1 : 100



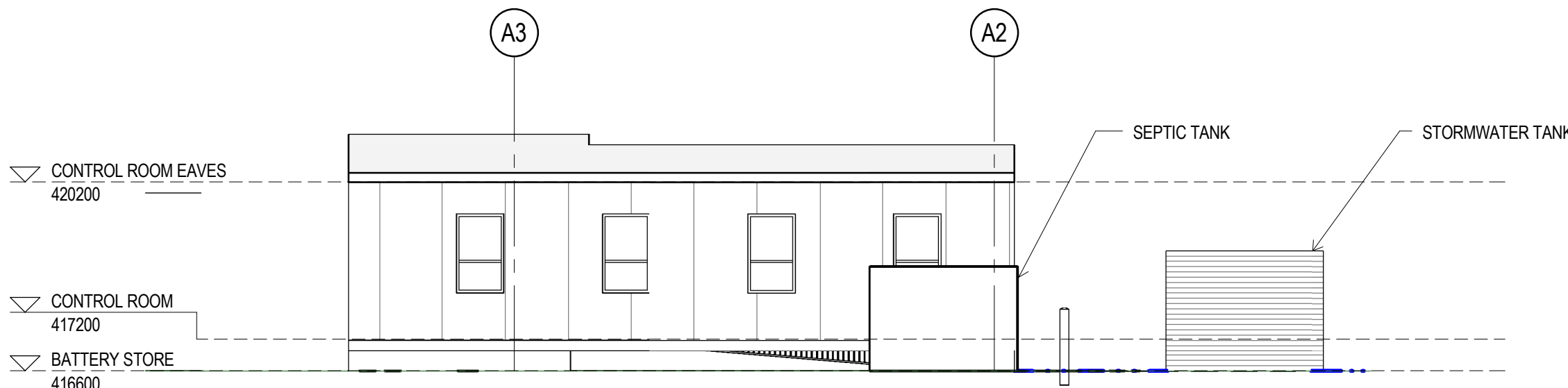
2 SOUTH ELEVATION BATTERY STORE

1 : 100



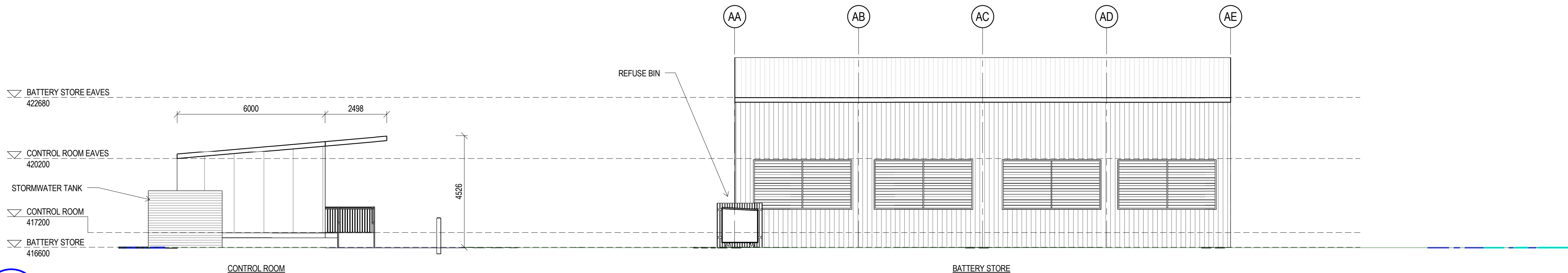
3 SOUTH ELEVATION CONTROL ROOM

1 : 100



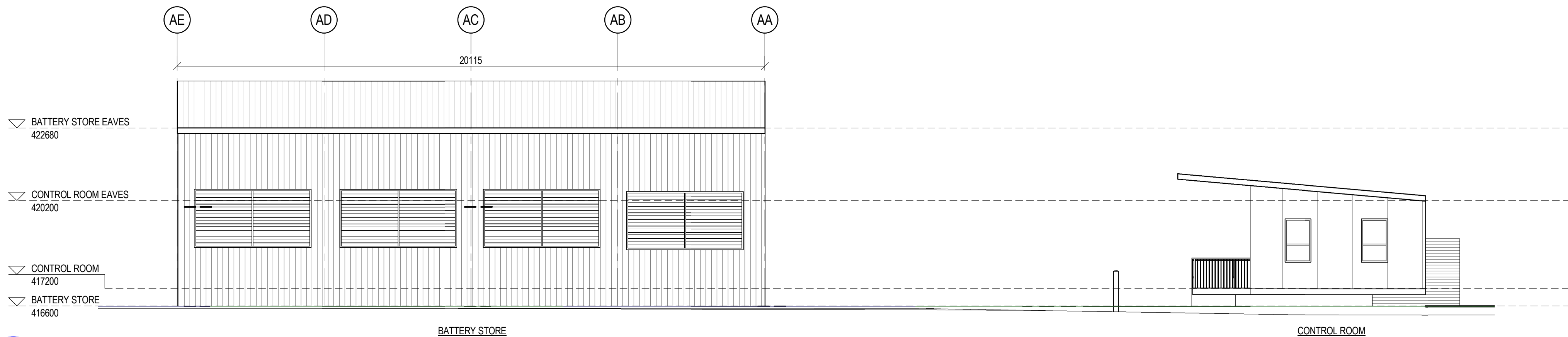
4 NORTH ELEVATION CONTROL ROOM

1 : 100



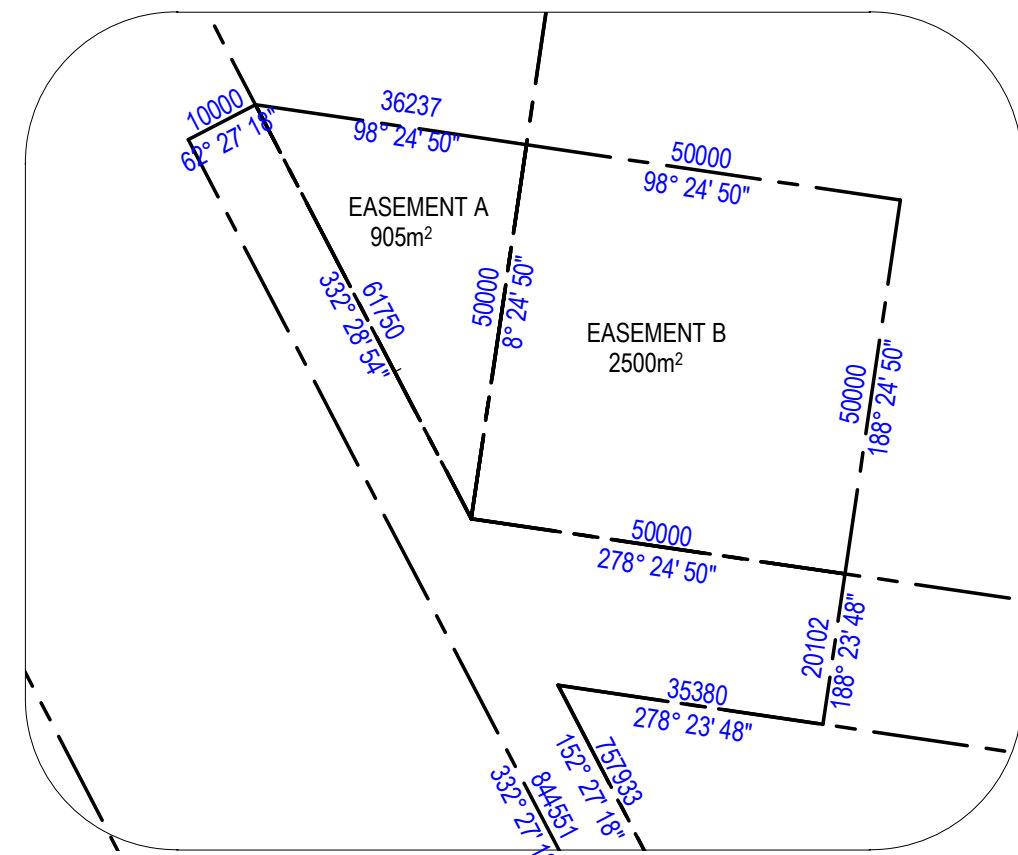
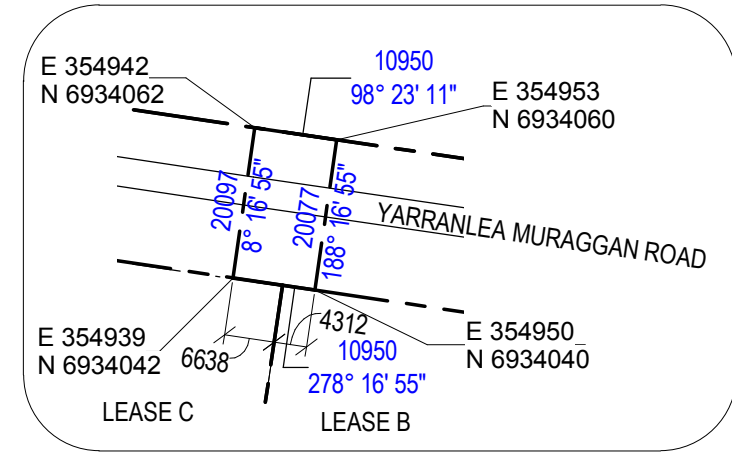
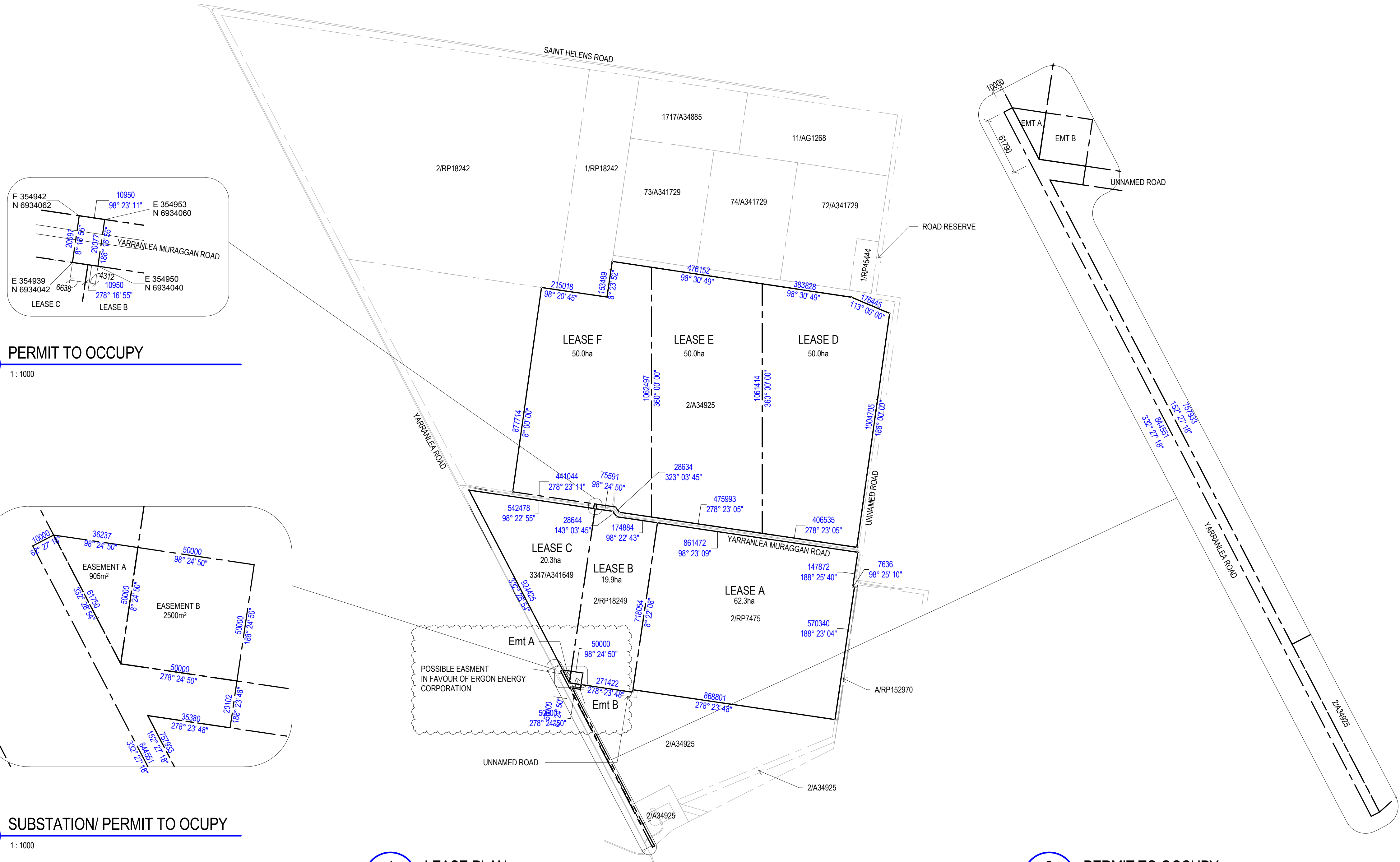
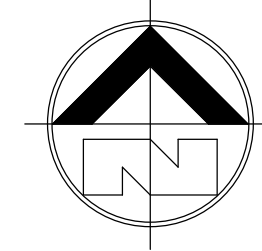
5 WEST ELEVATION

1 : 100



6 EAST ELEVATION

1 : 100



PROJECT TEAM

Consulting Engineer:

3

1

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NOTE:
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--- LEASE BOUNDARY / PROPERTY LINE
--- BOUNDARY

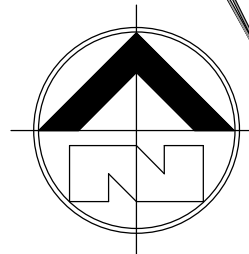
G	MINOR AMENDMENTS	16.11.2016	K.J.L.
F	PROPERTY BOUNDARY AMENDED	14.11.2016	T.J.S.
E	PERMIT TO OCCUPY PLANS ADDED	06.09.2016	R.J.R.
D	EASEMENT ADDED	25.08.2016	R.J.R.
C	FOR COUNCIL APPROVAL	17.06.2016	J.A.W.
B	PLANS AMENDED	01.06.2016	R.J.R.
A	LEASE BOUNDARIES CHANGED	30.05.2016	J.A.W.
REV	DESCRIPTION	DATE	BY

Status
NOT TO BE USED FOR CONSTRUCTION
Project
PROPOSED YARRANLEA SOLAR FARM
538 AND 752, YARRANLEA ROAD,
YARRANLEA
for
YARRANLEA SOLAR PTY LTD

Title
LEASE PLAN/ PERMIT TO OCCUPY

Drawn	Date	Chkd	Date
J.A.W.	14.07.2016	Checker	
Design	Date	Apprd	Date
N.C			
Scale	A1	Certif	Date
As indicated			
Project No.	Dwg. No.	Rev	
15-282	A08	G	

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2/RP18242

1/RP18242

73/A341729

74/A341729

72/A341729

1/RP45444

EXISTING OVERLAND FLOW

ROAD

ROAD

ROAD

2/A34925

EXISTING HOUSE AND SHED

NEW FARM SHED

3347/A341649

2/RP18249

2/RP7475

EXISTING SHED

YARRANLEA ROAD

ROAD

2/RP120604

1/RP120604

1/RP120604

ACCESS TRACK

WATSON ROAD

MURLAGGAN ROAD

ROAD

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EXISTING VEGETATION
VEGETATION TO BE
REMOVED SUBJECT TO
VEGETATION
CLEARING PERMIT

SOLAR PANELS

PROJECT TEAM

Consulting Engineer:

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1

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- LANDSCAPING BUFFER (3m)
- LANDSCAPING BUFFER (5m)
- EXISTING HOUSE
- ACCESS TRACK
- LEASE BOUNDARY / PROPERTY LINE
- BOUNDARY

B	MINOR AMENDMENTS	19.08.2016	R.J.R.
A	FOR COUNCIL APPROVAL	17.06.2016	J.A.W
REV	DESCRIPTION	DATE	BY

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

Project

PROPOSED YARRANLEA SOLAR FARM

538 AND 752, YARRANLEA ROAD, YARRANLEA

for YARRANLEA SOLAR PTY LTD

Title

OVERALL PLAN

Drawn	Date	Chkd	Date
R.J.R.	14.07.2016	N.C.	
Design	Date	Apprd	Date
N.C.			
Scale	A1	Certif	Date
As indicated			
Project No.	Dwg. No.	Rev	
15-282	A09	B	

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1 OVERALL PLAN

1: 5000

23/08/2016 10:57:23 AM

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Consulting Engineer:

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LEGEND:

- EXISTING OVERHEAD ERGON TRANSMISSION LINES
- NEW ERGON TRANSMISSION LINES
- PP POWER POLE

C	MINOR AMENDMENTS	16.11.2016	K.J.L.
B	OVERHEAD OPTION	15.07.2016	J.A.W
A	FOR COUNCIL APPROVAL	17.06.2016	J.A.W
REV	DESCRIPTION	DATE	BY

Status

FOR APPROVAL

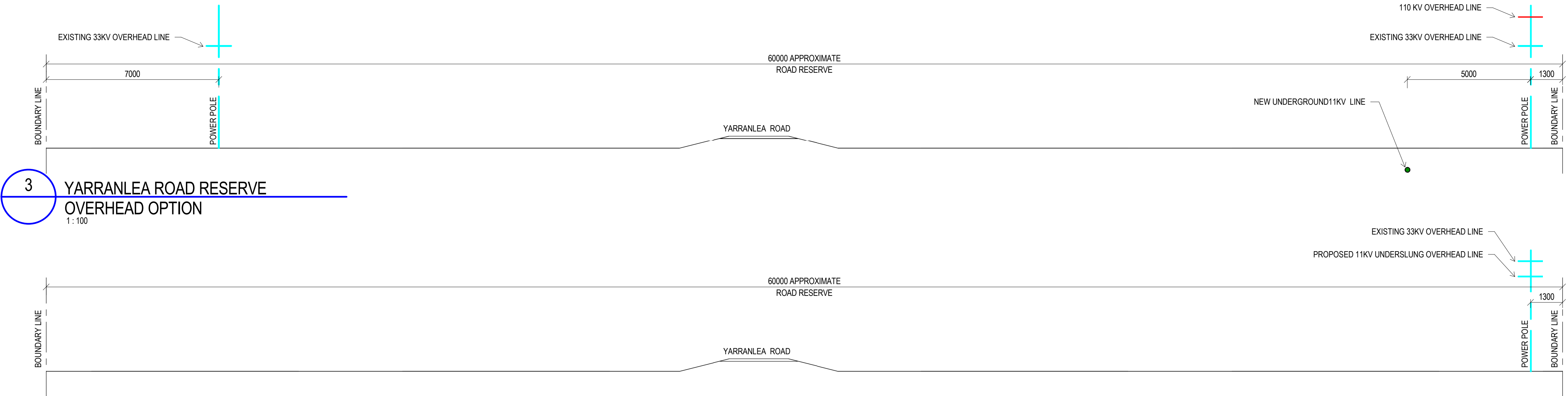
NOT TO BE USED FOR CONSTRUCTION

Project
PROPOSED YARRANLEA SOLAR FARM
538 AND 752, YARRANLEA ROAD, YARRANLEA
for YARRANLEA SOLAR PTY LTD

Title
ALTERATIONS TO ERGON TRANSMISSION LINES WITH 110KV OVERHEAD CONNECTION OPTION

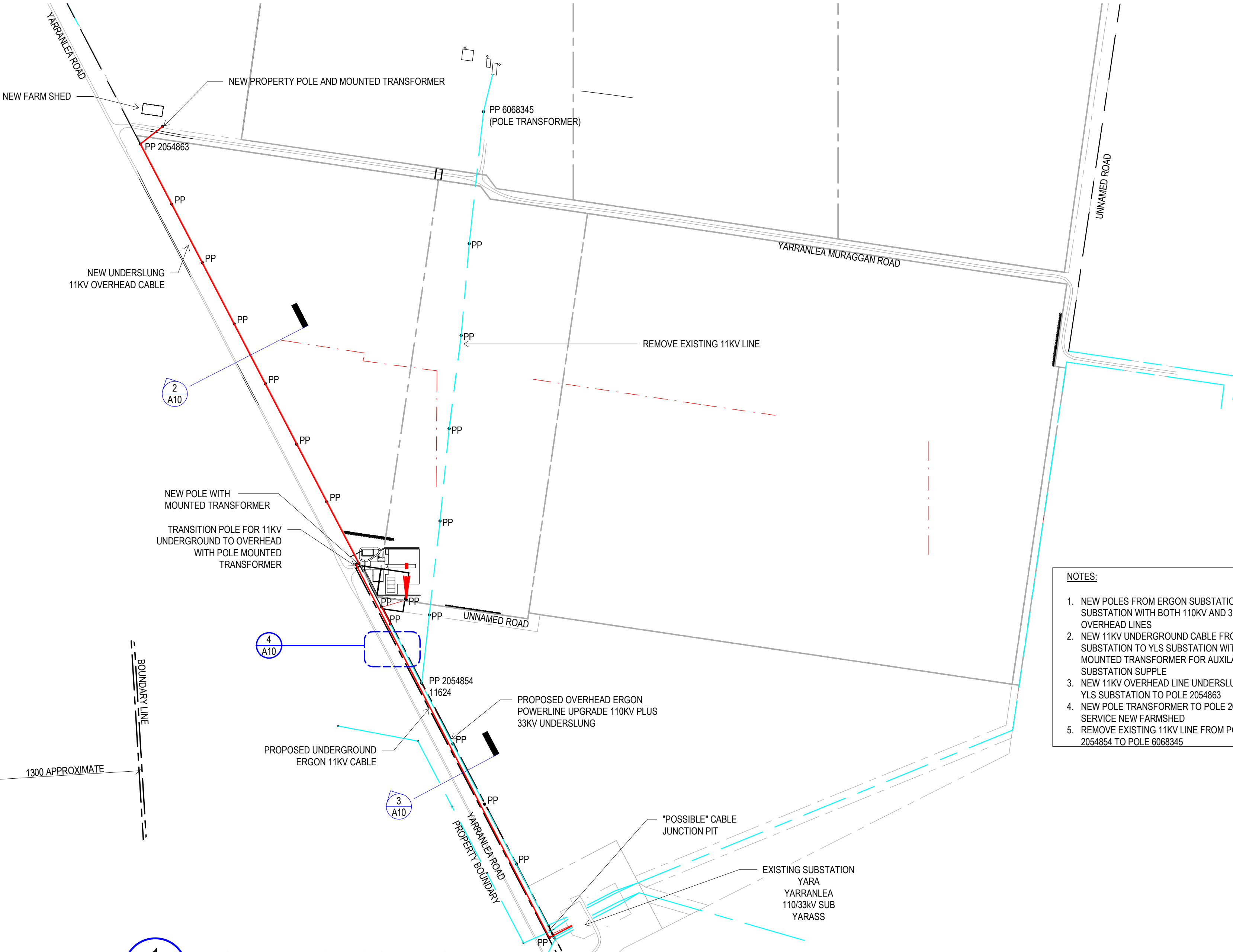
Drawn J.A.W	Date 14.07.2016	Chkd Checker	Date
Design N.C	Date	Apprd	Date
Scale As indicated	A1	Certif	Date
Project No. 15-282	Dwg. No. A10	Rev C	

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3 YARRANLEA ROAD RESERVE OVERHEAD OPTION
1: 100

2 YARRANLEA ROAD RESERVE 11KV UNDERSLUNG OVERHEAD
1: 100



- NOTES:
1. NEW POLES FROM ERGON SUBSTATION TO YLS SUBSTATION WITH BOTH 110KV AND 33KV OVERHEAD LINES
 2. NEW 11KV UNDERGROUND CABLE FROM ERGON SUBSTATION TO YLS SUBSTATION WITH POLE MOUNTED TRANSFORMER FOR AUXILIARY SUBSTATION SUPPLY
 3. NEW 11KV OVERHEAD LINE UNDERSLUNG FROM YLS SUBSTATION TO POLE 2054863
 4. NEW POLE TRANSFORMER TO POLE 2054863 TO SERVICE NEW FARMSHED
 5. REMOVE EXISTING 11KV LINE FROM POLE 2054854 TO POLE 6068345

4 YARRANLEA CABLE DETAIL OVERHEAD OPTION
1: 25

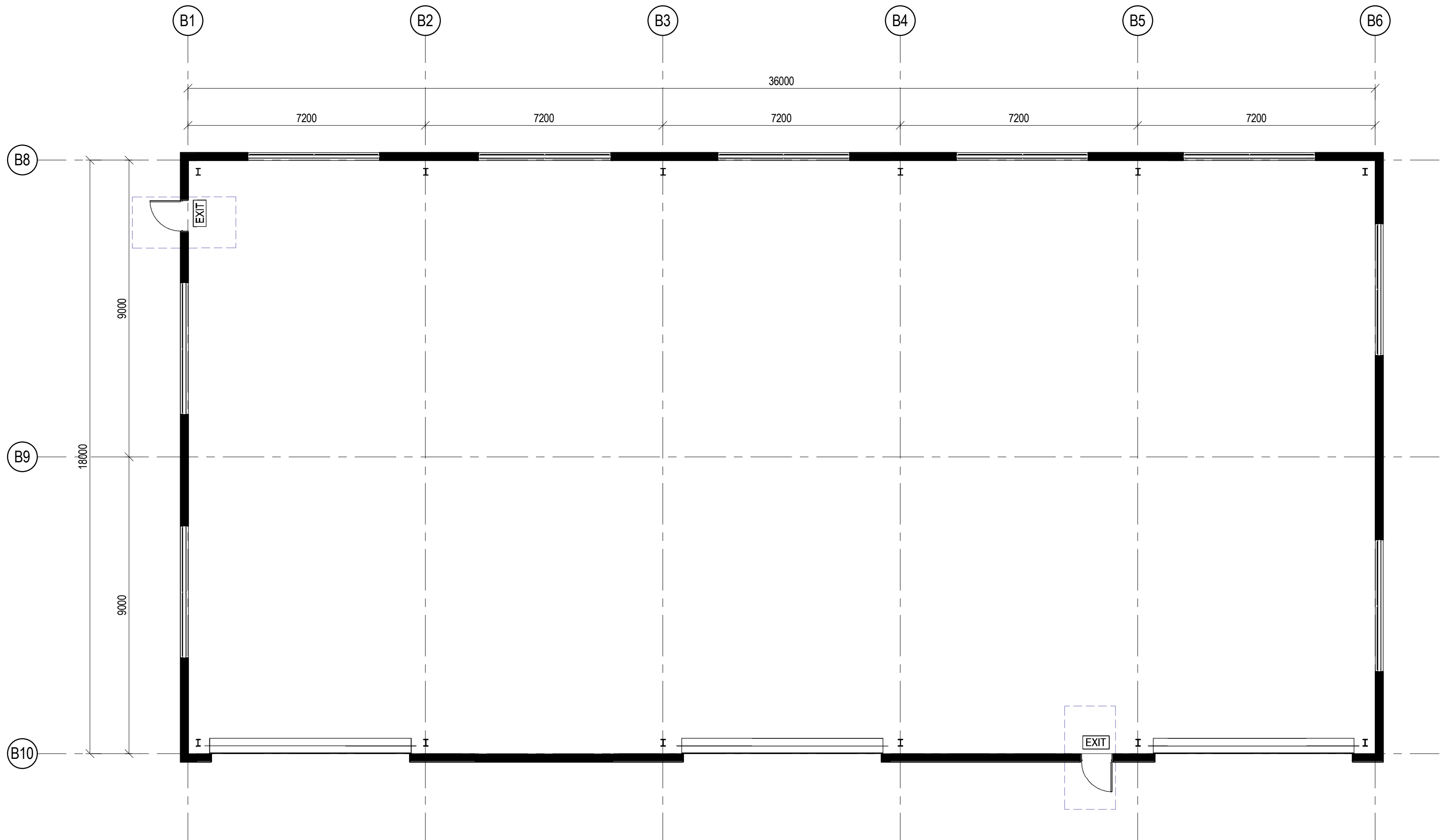
1 EXISTING TRANSMISSION LINES PLAN WITH OVERHEAD OPTION
1: 5000

PROJECT TEAM

Consulting Engineer:



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1 NEW FARM SHED FLOOR PLAN
A13 1 : 100

A	FOR COUNCIL APPROVAL	17.06.2016	J.A.W
REV	DESCRIPTION	DATE	BY

Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
Project
PROPOSED YARRANLEA SOLAR FARM
538 AND 752, YARRANLEA ROAD, YARRANLEA
for YARRANLEA SOLAR PTY LTD

Title
NEW FARM SHED FLOOR PLAN

Drawn	Date	Chkd	Date
Author	07.01.2016	Checker	
Design	Date	Apprd	Date
Designer			
Scale	A1	Certif	Date
1 : 100			
Project No.	Dwg. No.	Rev	
15-282	A12	A	

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PROJECT TEAM

Consulting Engineer:



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YARRANLEA SOLAR

A	FOR COUNCIL APPROVAL	17.06.2016	J.A.W
REV	DESCRIPTION	DATE	BY

Status

FOR APPROVAL

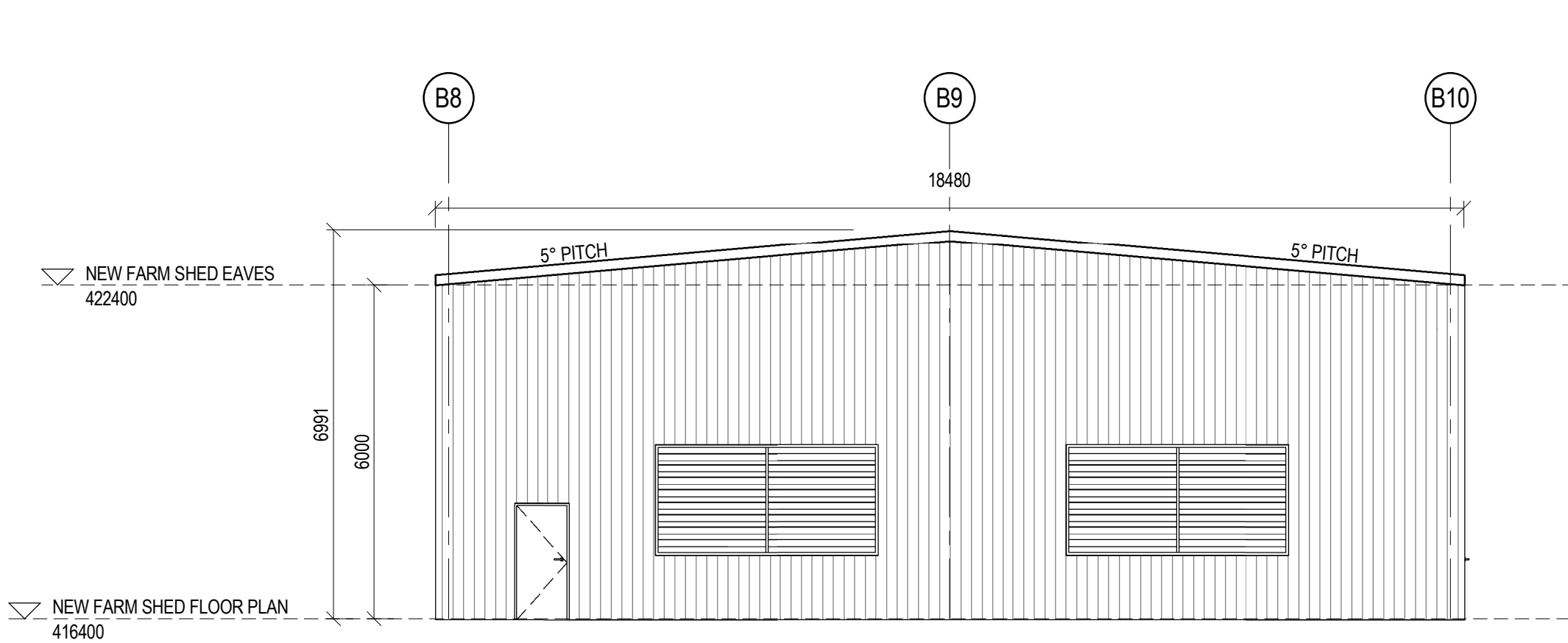
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Project
PROPOSED YARRANLEA SOLAR FARM
538 AND 752, YARRANLEA ROAD, YARRANLEA
for
YARRANLEA SOLAR PTY LTD

Title
NEW FARM SHED ELEVATIONS

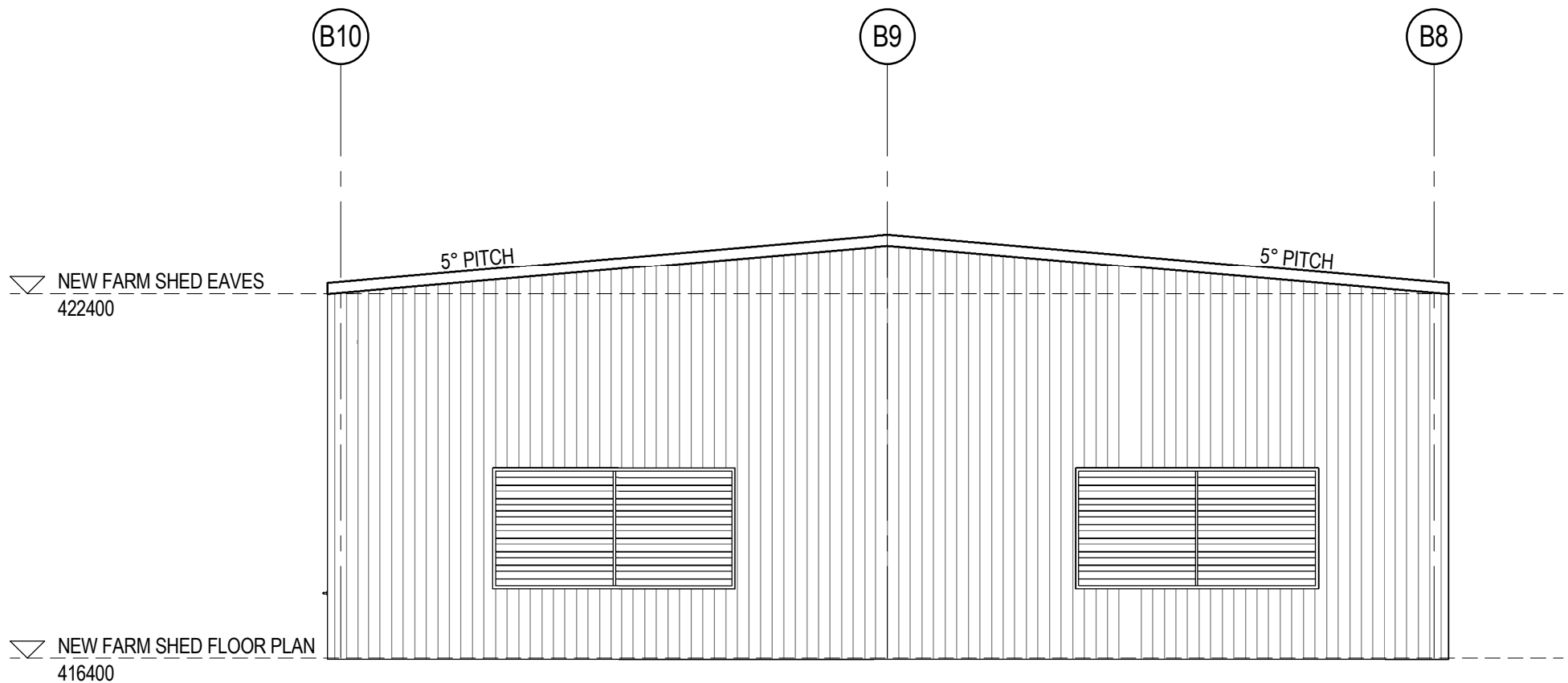
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Author	07.01.2016	Checker	
Design	Date	Apprd	Date
Designer			
Scale	A1	Certif	Date
1 : 100			
Project No.	Dwg. No.	Rev	
15-282	A13	A	

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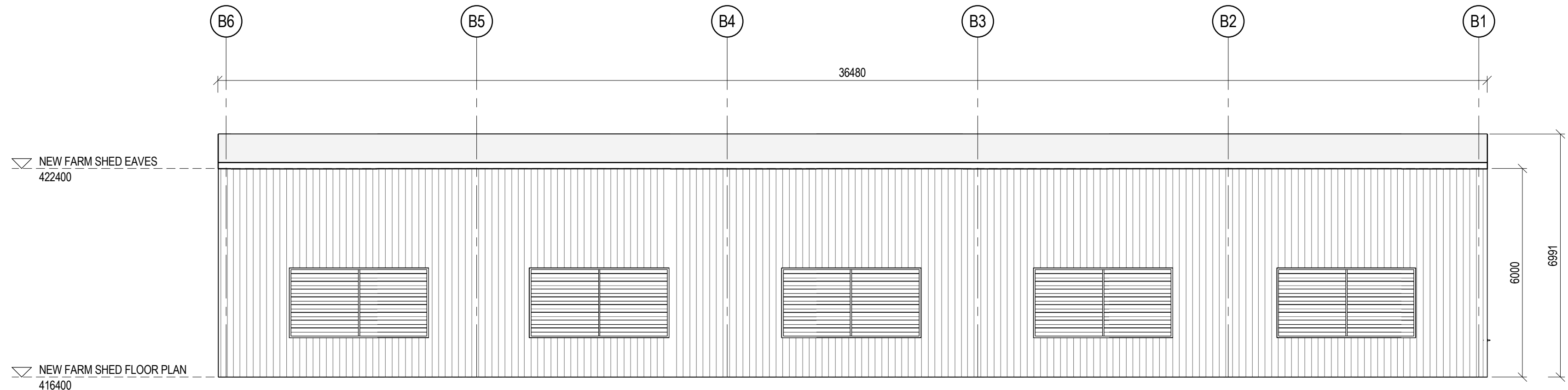
4 EAST ELEVATION NEW FARM SHED

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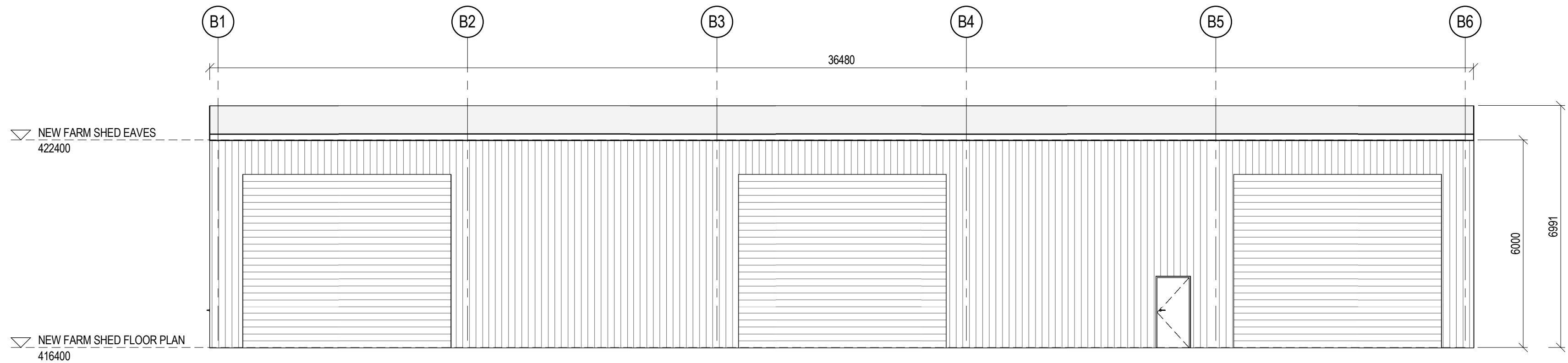
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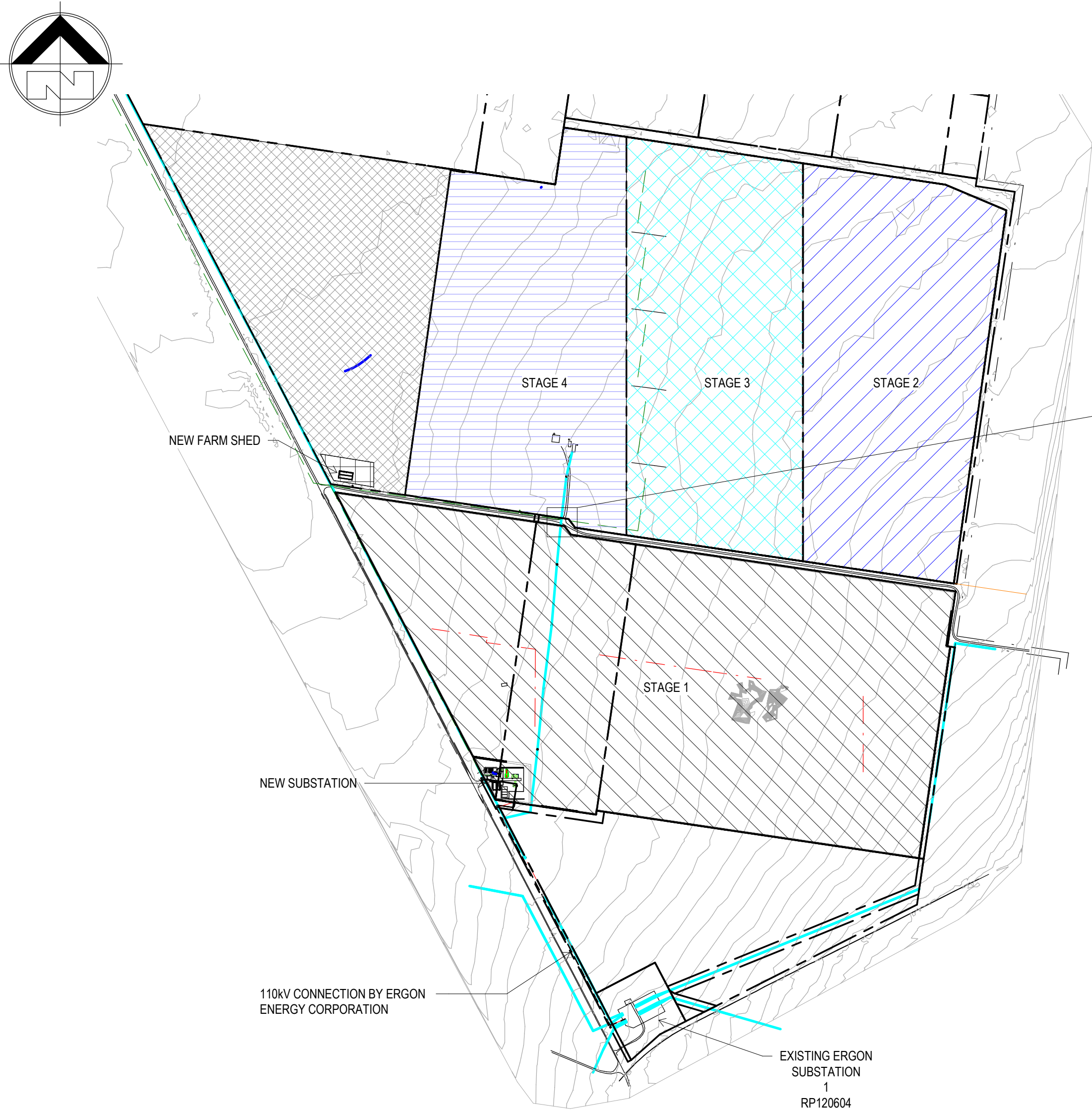
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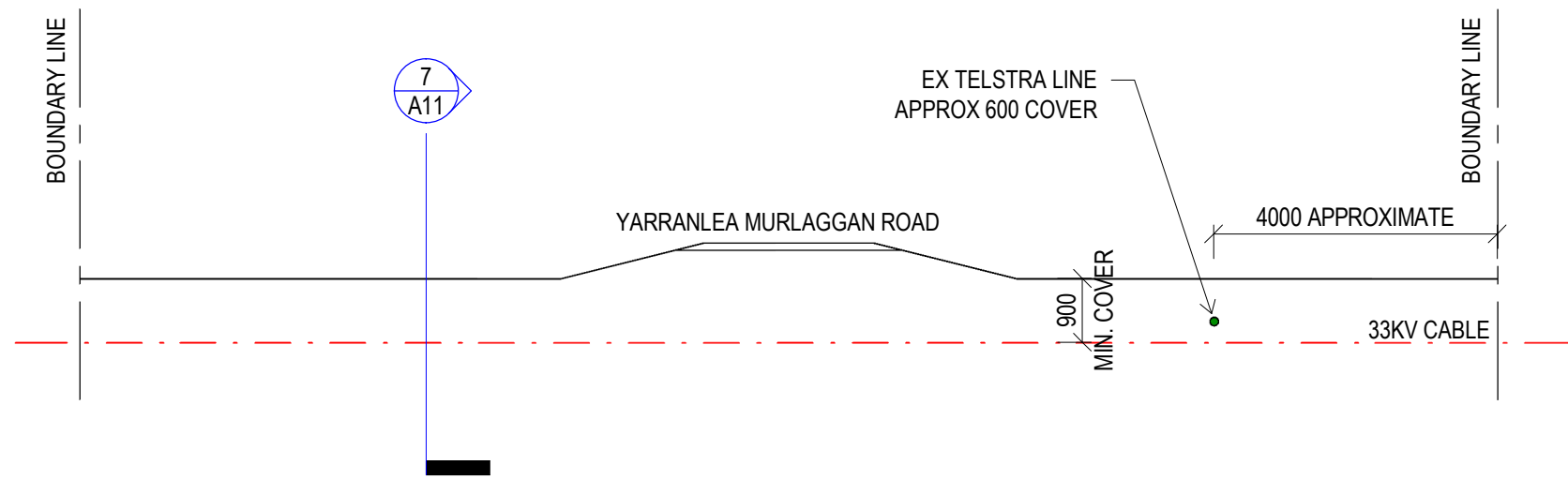


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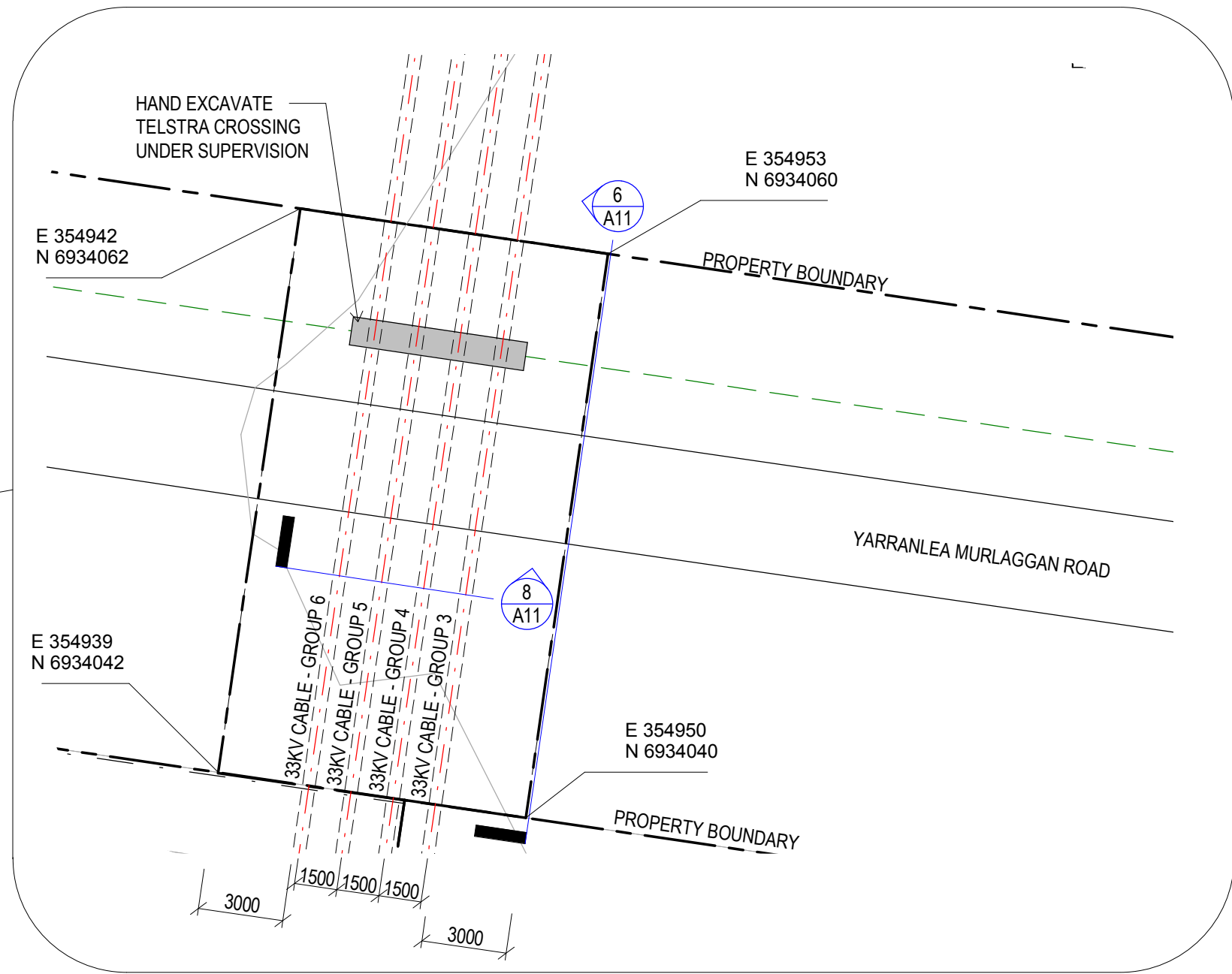
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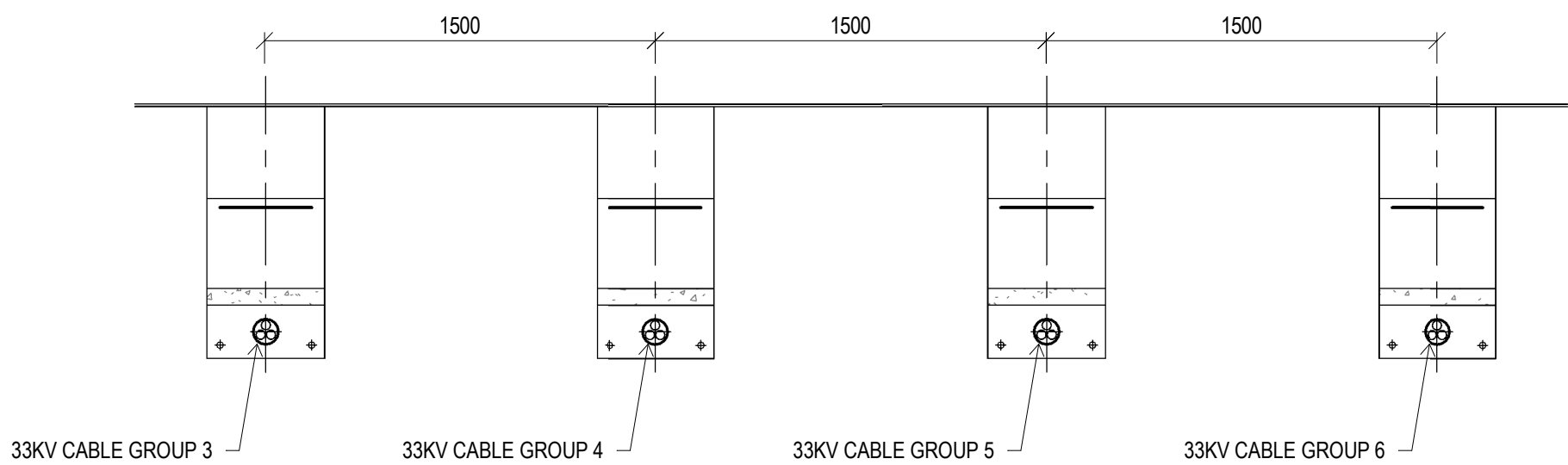
1 PROJECT OVERVIEW
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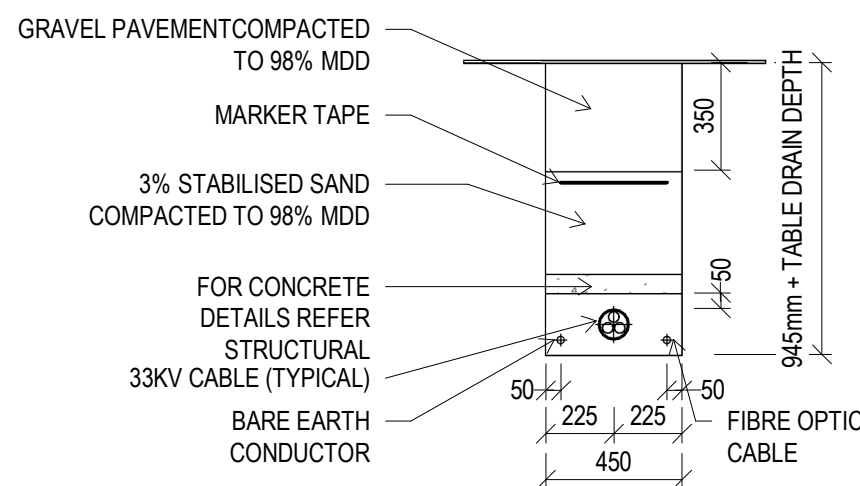
3 SECTION 1-1 - SALP
1:100



1-1 YARRANLEA MURLAGGAN ROAD CABLE CROSSOVER - SALP
1:200



2 33KV CABLE ALIGNMENT - SALP
1:25



4 TYPICAL ELECTRICAL TRENCH DETAIL
1:25

PROJECT TEAM

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B	MINOR AMENDMENTS	16.11.2016	K.J.L.
A	FOR APPROVAL	19.08.2016	R.J.R.
REV	DESCRIPTION	DATE	BY

Status

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Project
PROPOSED YARRANLEA SOLAR FARM
538 AND 752, YARRANLEA ROAD,
YARRANLEA
for
YARRANLEA SOLAR PTY LTD

Title
SPECIAL APPROVAL LAYOUT PLAN

Drawn	Date	Chkd	Date
R.J.R.	14.07.2016	N.C.	
Design	Date	Apprd	Date
N.C.			
Scale	A1	Certif	Date
As indicated			
Project No.	Dwg. No.	Rev	
15-282	A17	B	

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NOTES:

- GATE POSTS TO BE GALVANISED STEEL TUBE TO AS.1725.
- CORNER AND END POSTS TO BE 50 NB (60.3 OD, 2.3 THICK.) GALVANISED STEEL TUBE. (AS.1163 REFERS)
- INTERMEDIATE POSTS TO BE 40 ND (48.3 OD, 2.3 THICK.) GALVANISED STEEL TUBE. (AS.1163 REFERS)
- STANDARD COUPLINGS (DOWN-EE FITTINGS) MAY BE USED FOR ALL CONNECTIONS.
- GALVANISED STEEL END CAPS TO BE PROVIDED TO ALL POSTS.
- CORNER POSTS ARE TO BE ADOPTED AT CHANGE IN DIRECTION.
- 1800 CHAIN WIRE TO BE CYCLONE FENCING 3.15mm THICK x 50 HEAVILY GALVANISED MESH TO AS.2423. BARB TOP, KNUCKLED BOTTOM.
- RAIL BRACING TO BE 32 NB (42.2 OD, 2.0 THICK.) STEEL TUBE. (AS.1163 REFERS)
- POSTS ARE TO BE SET VERTICALLY IN CONCRETE GRADE N25.
- CABLES ARE TO BE FORMED FROM TWO 3.15DIA WIRES TWISTED TOGETHER OR ONE STRAND 4 THICK HEAVY GALVANISED SPIRAL.
- ALL POSTS, STAYS AND CABLES ARE TO BE GALVANISED IN ACCORDANCE WITH AS.1650.
- CHAIN WIRE TO BE FIXED USING 1.6 WIRE TIES OR EQUIVALENT AS FOLLOWS:
 - INTERMEDIATE POSTS AT 3 LOCATIONS.
 - END POSTS AT 3 LOCATIONS.
 - HORIZONTAL CABLE AT 375 CENTRES TO TOP CABLE.
 - HORIZONTAL CABLE AT 600 CENTRES TO MIDDLE CABLE.
 - HORIZONTAL CABLE AT 450 CENTRES TO BOTTOM CABLE.
- DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.

B	MINOR AMENDMENTS	16.11.2016	K.J.L.
A	STORMWATER AMENDED	15.11.2016	T.J.S.
REV	DESCRIPTION	DATE	BY

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

Project

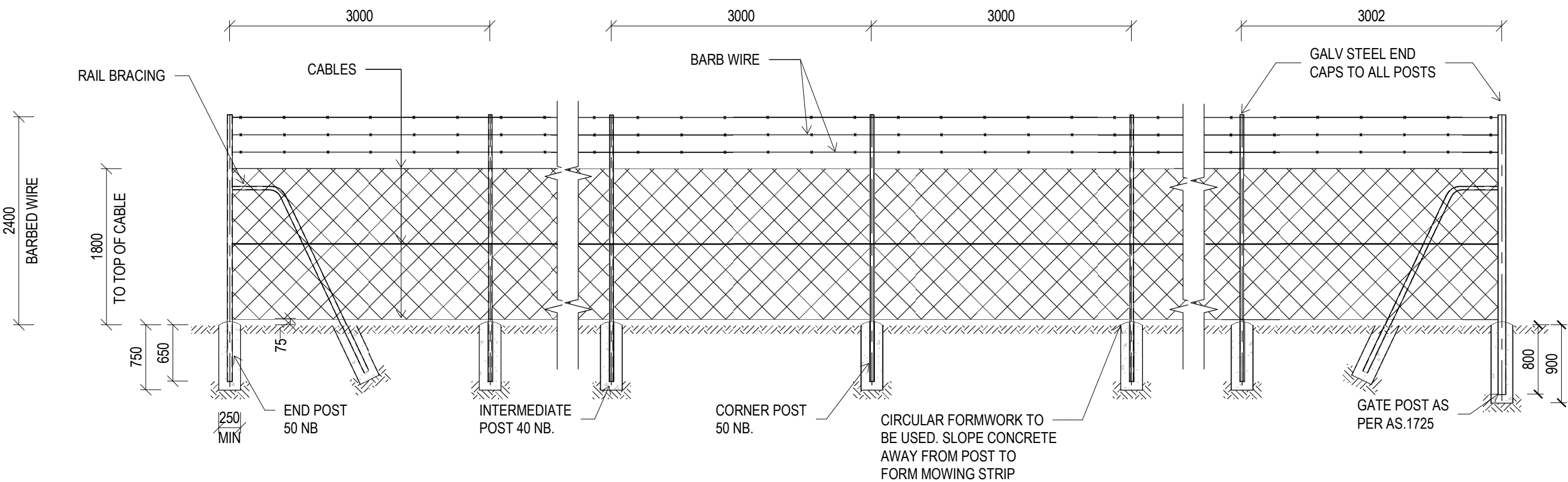
PROPOSED YARRANLEA SOLAR FARM
538 AND 752, YARRANLEA ROAD,
YARRANLEA
for
YARRANLEA SOLAR PTY LTD

Title

FENCE DETAILS

Drawn	Date	Chkd	Date
K.J.L.	14.07.2016	N.C.	
Design	Date	Apprd	Date
T.J.S.			
Scale	A1	Certif	Date
As indicated			
Project No.	Dwg. No.	Rev	
15-282	A18	B	

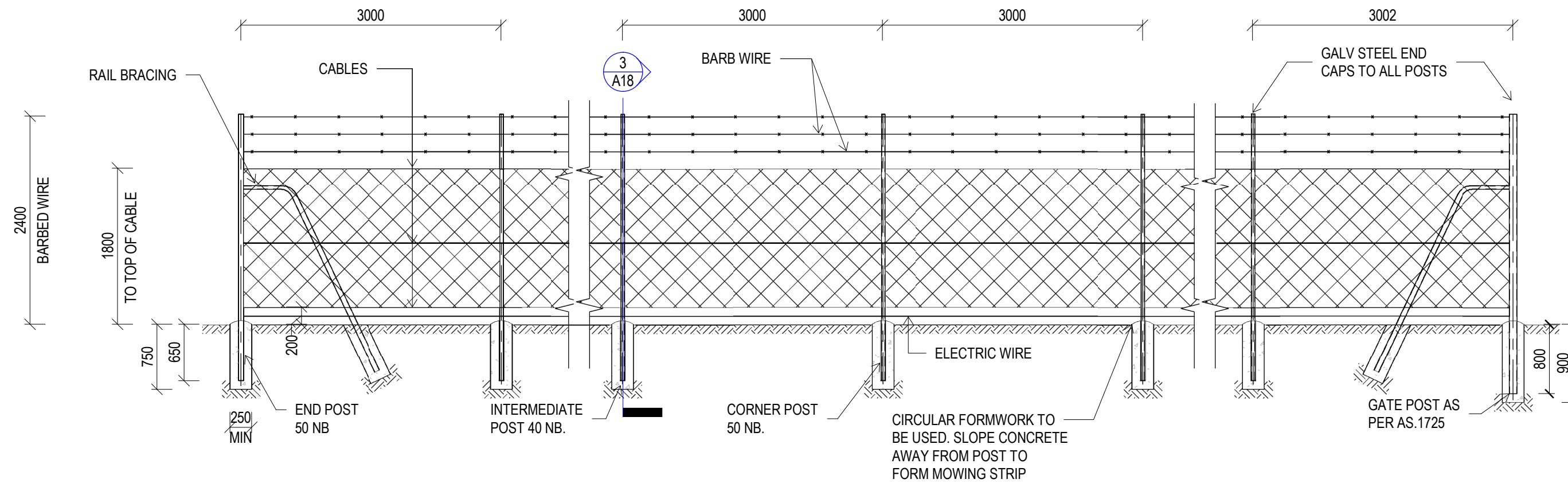
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FENCING NOTES:

1 CHAINWIRE FENCE - SUBSTATION

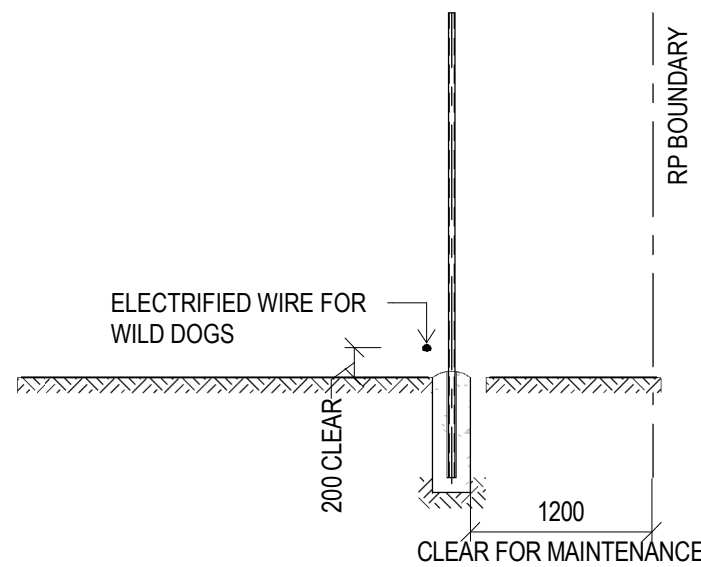
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FENCING NOTES:

2 CHAINWIRE FENCE - PV ARRAY

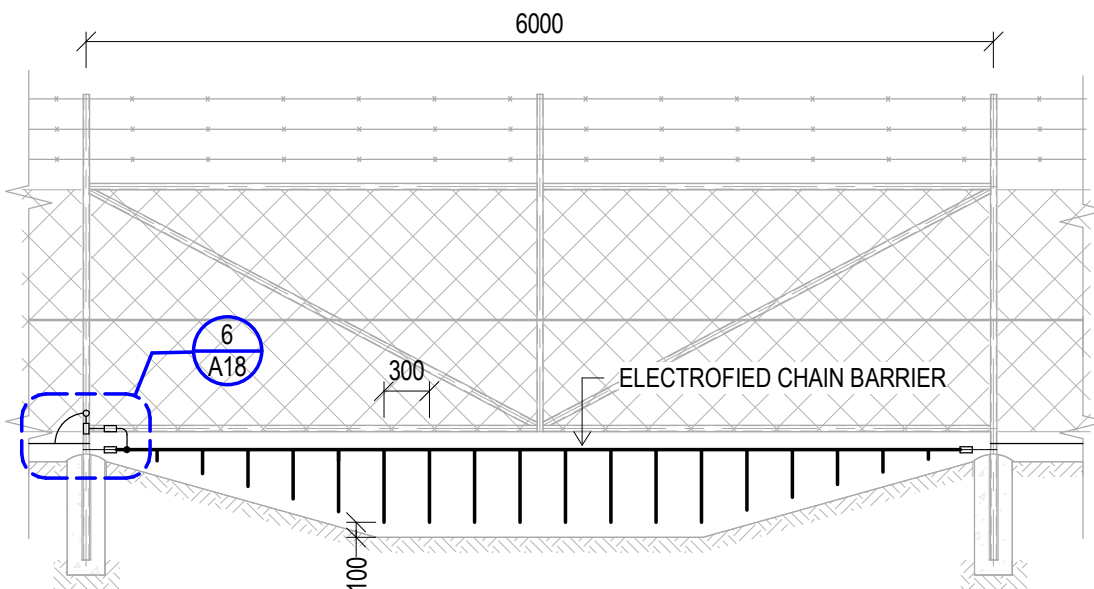
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3 CHAINWIRE FENCE - PV ARRAY SECTION

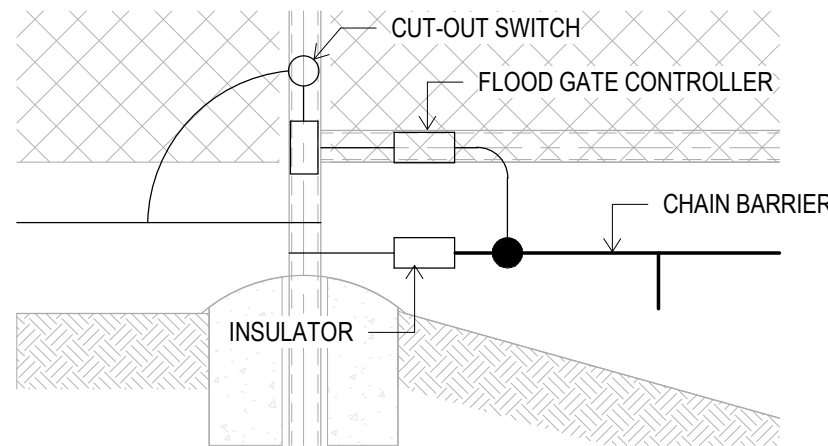
A18

1:50



5 CHAINWIRE FENCE - CHAIN FLOOD GATE

1:50



6 FLOOD GATE CONTROLLER DETAIL

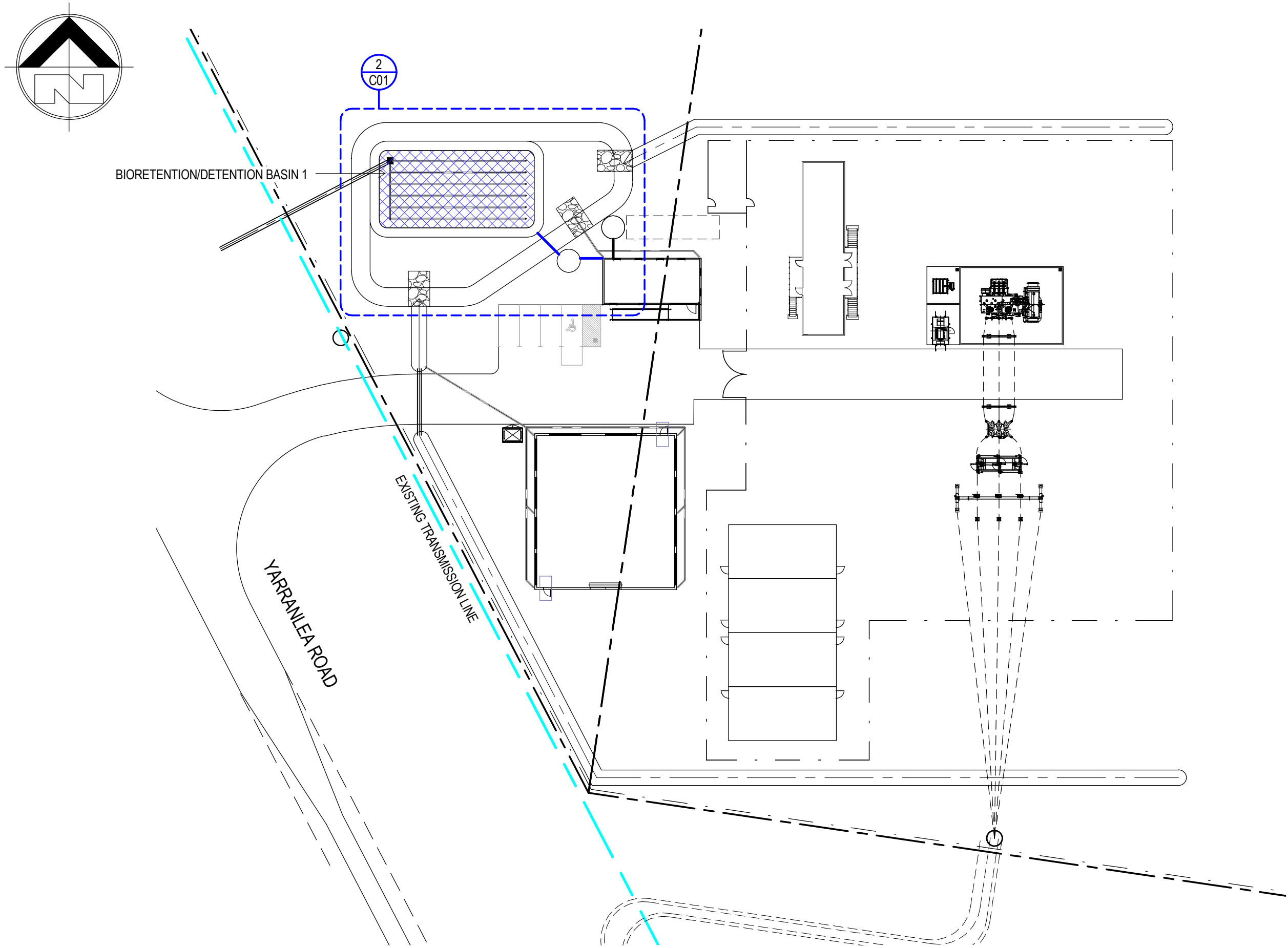
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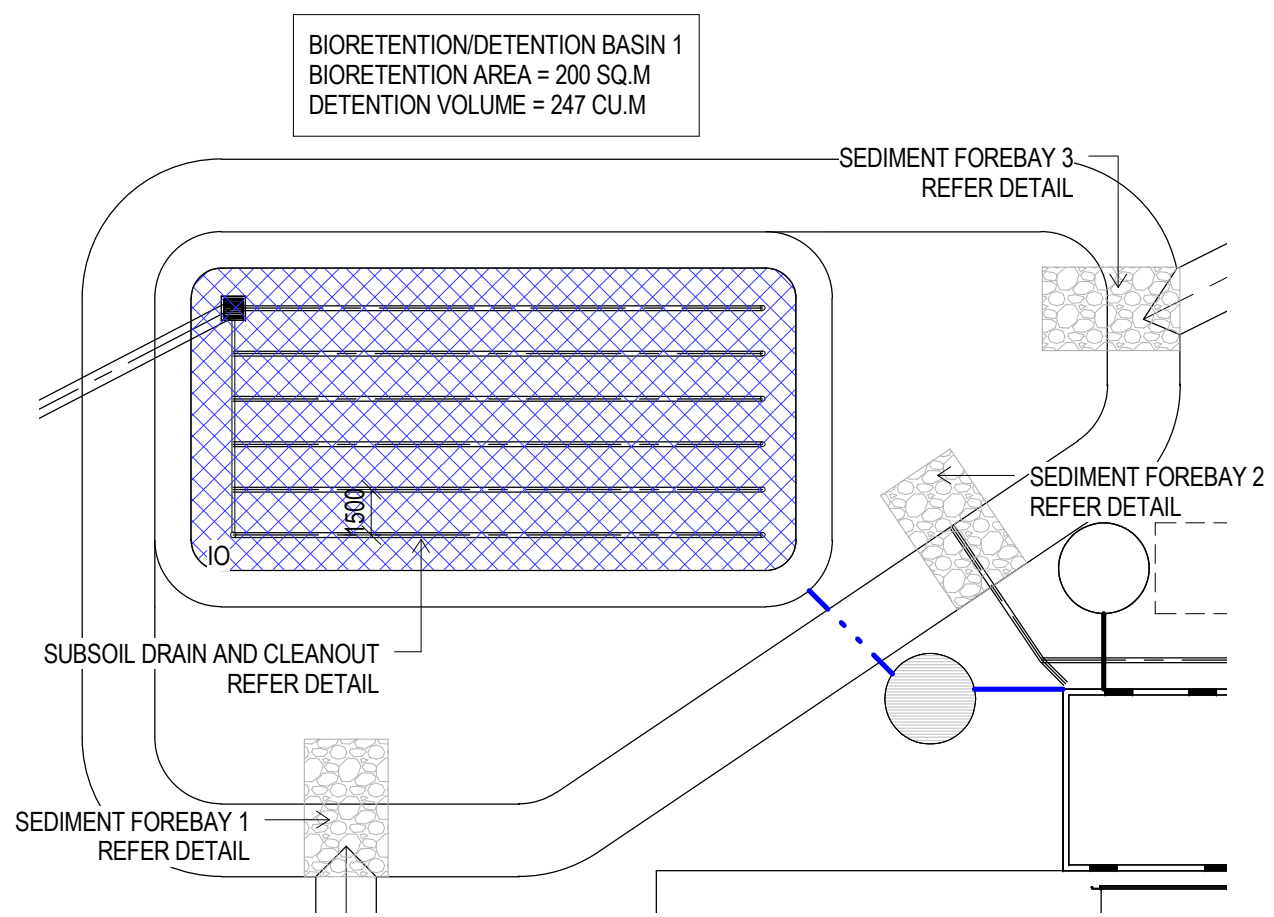


4 FENCE SITE PLAN

1:20000



1 STORMWATER PLAN
1:500



2 BIORETENTION BASIN 1 DETAIL
1:250

PROJECT TEAM

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EC37922(VIC), CC5630J(TAS)

Signature:

Date: 17.06.2016

A	FOR COUNCIL APPROVAL	17.06.2016	J.A.W.
REV	DESCRIPTION	DATE	BY

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

Project

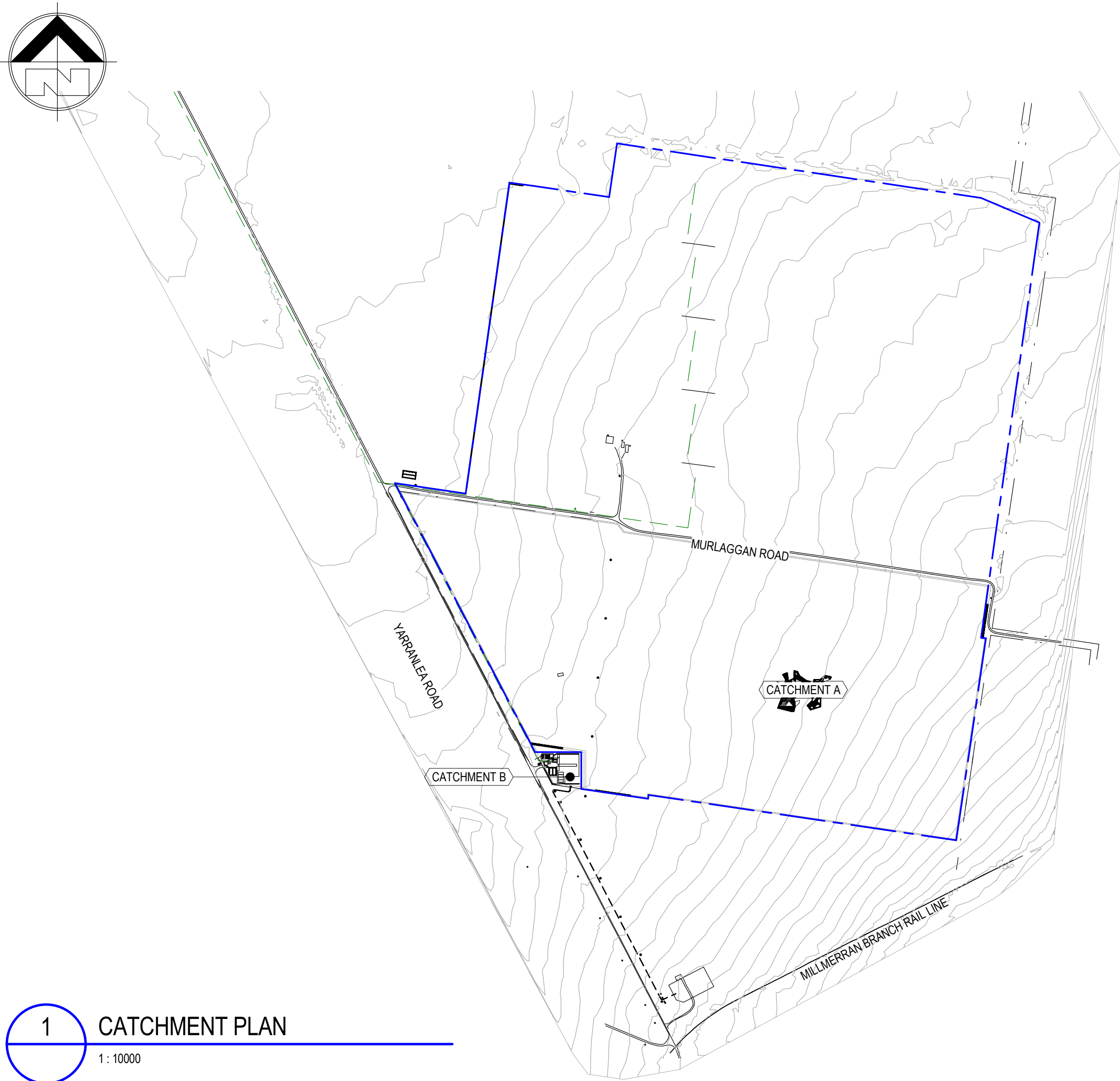
PROPOSED YARRANLEA SOLAR FARM
538 AND 752, YARRANLEA ROAD,
YARRANLEA
for
YARRANLEA SOLAR PTY LTD

Title

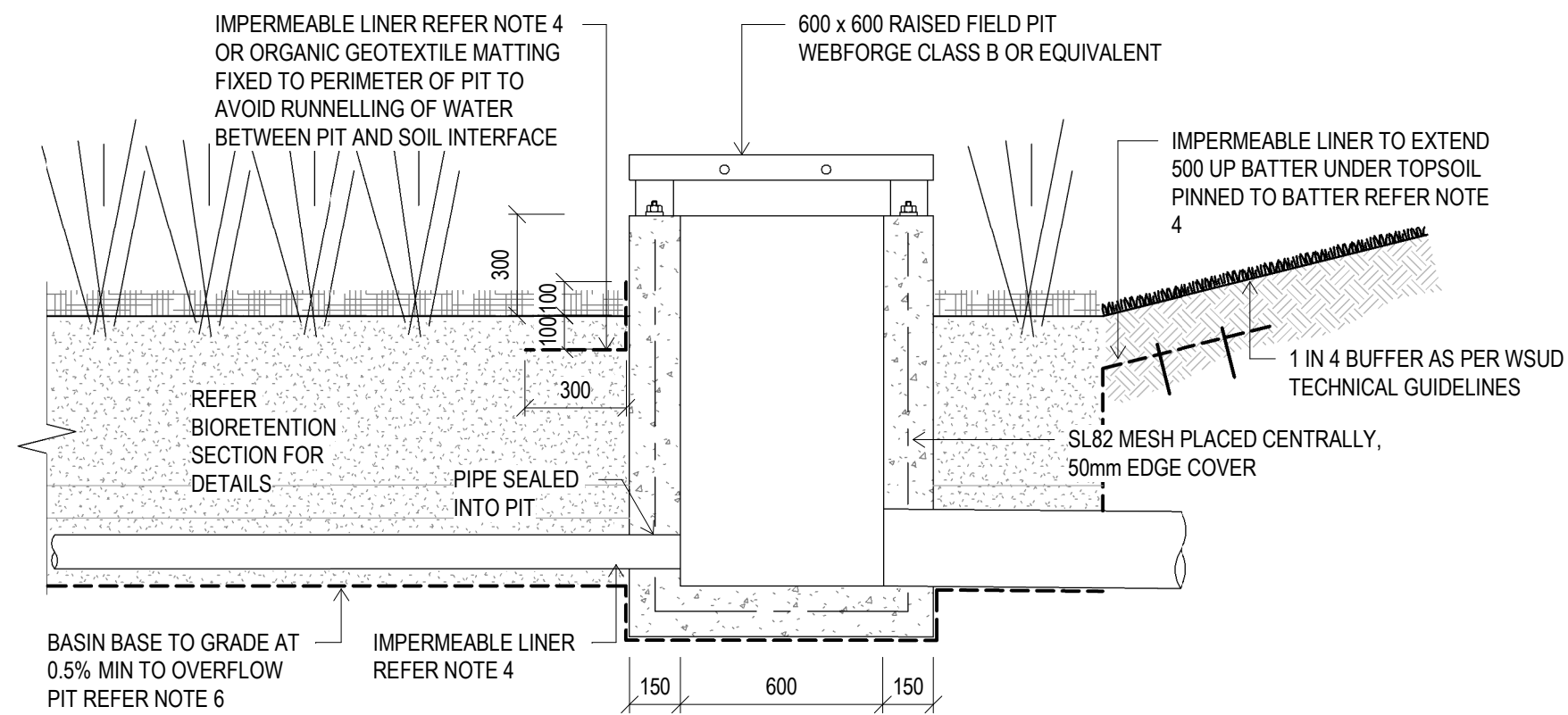
STORMWATER MANAGEMENT PLAN

Drawn	Date	Chkd	Date
T.J.S.	07.01.2016	N.C.	
Design	Date	Apprd	Date
T.J.S.			
Scale	A1	Certif	Date
As indicated			
Project No.	Dwg. No.	Rev	
15-282	C01	A	

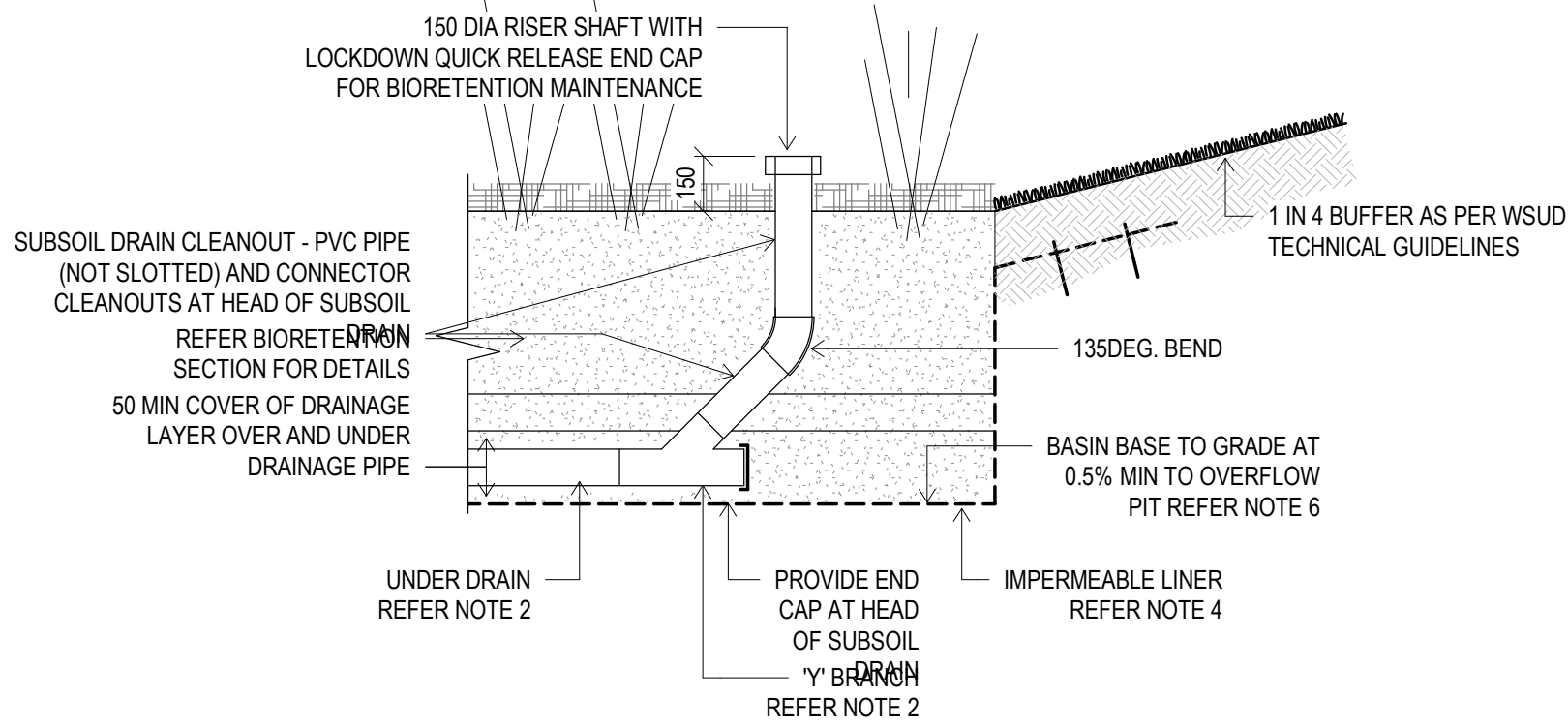
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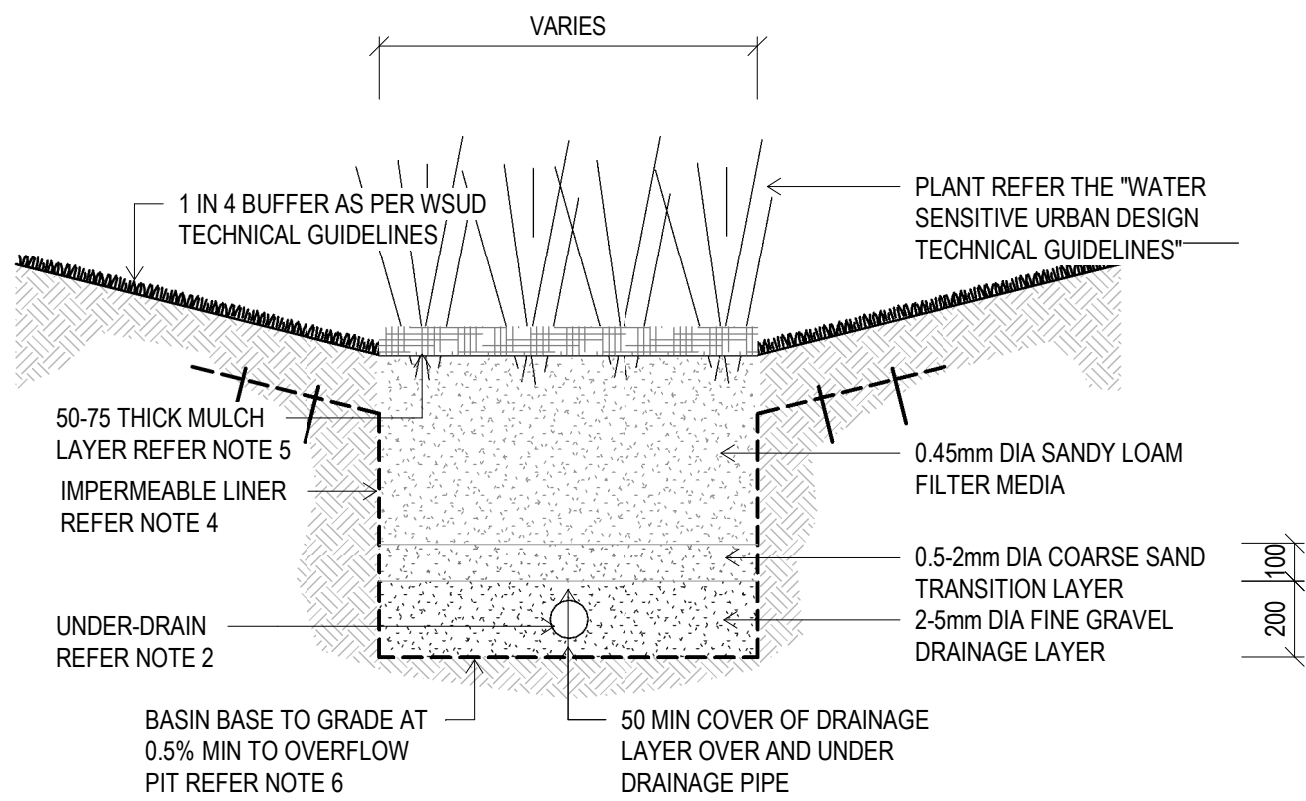
1 CATCHMENT PLAN
1:10000



6 BIORETENTION OUTLET PIT
1:20



4 BIORETENTION UNDER-DRAIN CLEANOUT
1:20

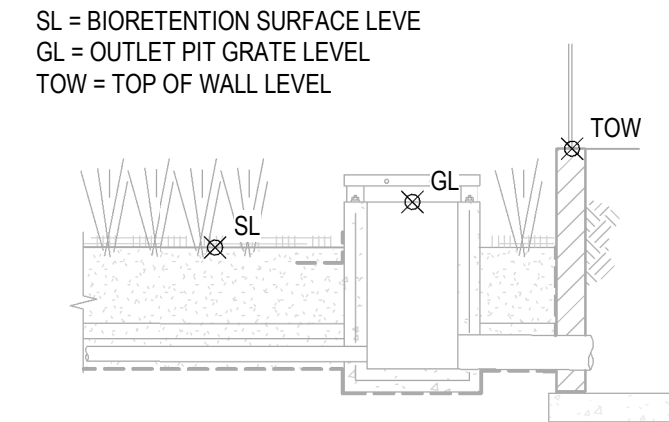


7 TYPICAL BIORETENTION SECTION
1:20

BIORETENTION NOTES

- BIORETENTION MEDIA SPECIFICATION SHALL BE IN ACCORDANCE WITH THE FACILITY FOR ADVANCING BIOFILTRATION "GUIDELINE FOR SOIL FILTER MEDIAN IN BIORETENTION SYSTEMS". BIORETENTION HYDRAULIC CONDUCTIVITY SHALL BE IN ACCORDANCE WITH THE FACILITY FOR ADVANCING BIOFILTRATION "PRACTICE NOTE 1: IN SITU MEASUREMENT OF HYDRAULIC CONDUCTIVITY". THE NUMBER OF SAMPLES TO BE TESTED SHALL BE IN ACCORDANCE WITH THE "WATER SENSITIVE URBAN DESIGN CONSTRUCTION AND ESTABLISHMENT GUIDELINES - SWALES, BIORETENTION SYSTEMS AND WETLANDS (WATER BY DESIGN)".
- UNDER-DRAIN: SLOTTED RIGID PIPE (UPVC OR SIMILAR TO AS 2439.1) OR APPROVED EQUIVALENT, 0.5% MIN. GRADE. REFER PROJECT DRAWINGS FOR DIAMETER AND INVERT LEVEL. PIPE SHOULD NOT BE INSTALLED WITH A FILTER SOCK SURROUNDING PIPE. UNDER-DRAINAGE PIPES SHALL BE SEALED INTO PITS USING GROUT OR OTHER APPROVED WATERTIGHT SEAL.
- REFER TO PROJECT DRAWINGS FOR VEGETATED BATTER SLOPES (1 IN 3 MAX, 1 IN 4 TYPICAL) AND BATTER TOPSOIL REQUIREMENTS.
- IMPERMEABLE LINER - HDPE, BENTONITE, COMPACTED CLAY OR APPROVED EQUIVALENT TO BASE AND SIDES. INSTALLED AS PER MANUFACTURERS AND/ OR GEOTECHNICAL ENGINEERS SPECIFICATION. WHERE COMPACTED CLAY LINER IS ADOPTED, FILTER CLOTH IS TO BE USED AS PER NOTE 9. REFER TO THE "WATER SENSITIVE URBAN DESIGN CONSTRUCTION AND ESTABLISHMENT GUIDELINES - SWALES, BIORETENTION SYSTEMS AND WETLANDS" (WATER BY DESIGN) FOR DETAILS.
- BASIN FINISHED SURFACE LEVEL IS TOP OF FILTER MEDIA. SURFACE TO CONTAIN 75mm SUGAR CANE MULCH TIED DOWN WITH JUTE MESH (NOT MATTING) OR FINE NETTING AS PER ICC REQUIREMENTS.
- CONSTRUCTION TOLERANCES AS DOCUMENTED IN THE "WATER SENSITIVE URBAN DESIGN CONSTRUCTION AND ESTABLISHMENT GUIDELINES - SWALES, BIORETENTION SYSTEMS AND WETLANDS" (WATER BY DESIGN) MUST BE ACHIEVED. CONSTRUCTION TOLERANCES MUST BE NOTED ON PROJECT PLANS. INVERT LEVELS OF PITS, PIPES AND BASE LEVELS MUST BE NOTED ON PROJECT DRAWINGS.
- BIORETENTION BASIN TO CONTAIN FOLLOWING PLAN SPECIES 6-10 per sq.m:
 - CAREX APPRESSA
 - DIANELLA TASMANICA
 - DIETES GRANDIFLORA
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
- FILTER CLOTH - NON-WOVEN GEOTEXTILE. FILTER CLOTH NOT TO BE PLACED BETWEEN ANY FILTER LAYERS. IMPVIOUS LINER MAY BE REQUIRED SUBJECT TO SOIL TESTING REQUIREMENTS IN ACCORDANCE WITH THE "WATER SENSITIVE URBAN DESIGN TECHNICAL DESIGN GUIDELINES" (WATER BY DESIGN).

BIORETENTION LEGEND



SEDIMENT FOREBAY NOTES

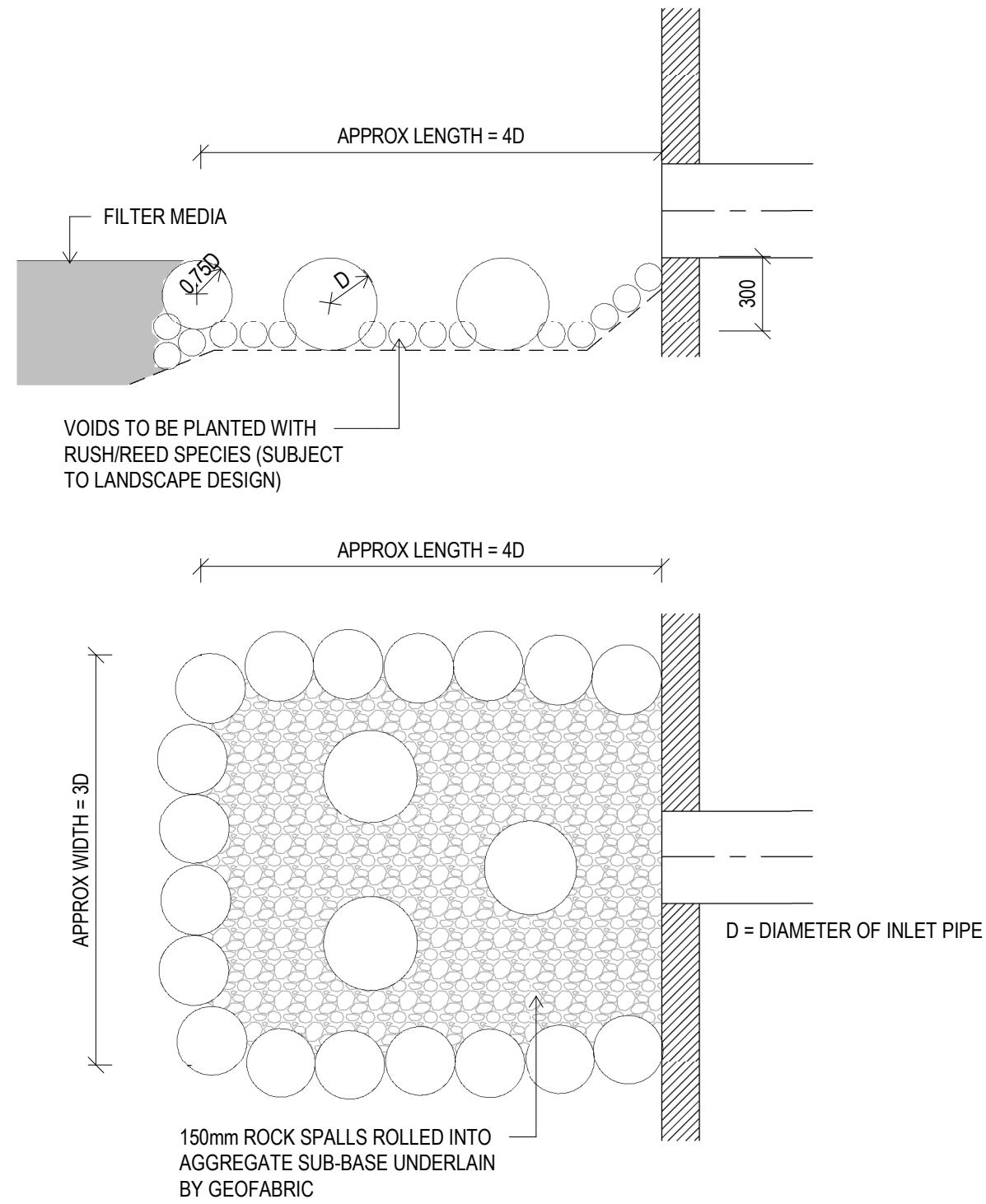
SEDIMENT FOREBAY	AREA OF CATCHMENT	VOLUME OF FOREBAY	MINIMUM AREA OF FOREBAY
1	0.500 ha	0.640 m³	2.130 m²
2	0.080 ha	0.105 m³	0.350 m²
3	0.200 ha	0.256 m³	0.853 m²

THE SIZE OF THE SEDIMENT FOREBAY IS ESTABLISHED USING THE FOLLOWING:
 $V_s = A_s \times R \times L_s \times F_c$

WHERE:
 V_s = VOLUME OF FOREBAY SEDIMENT STORAGE REQUIRED (m³)
 A_s = CONTRIBUTING CATCHMENT AREA (ha)
 R = CAPTURE EFFICIENCY (ASSUME 80%)
 L_s = SEDIMENT LOADING RATE (m³ / ha / year) = 1.6
 F_c = DESIRED CLEANOUT FREQUENCY (years) = 1.0

THE AREA OF THE SEDIMENT FOREBAY IS ESTABLISHED USING THE FOLLOWING:

$A_s = \frac{V_s}{D_s}$
WHERE: D_s = DEPTH OF SEDIMENT FOREBAY (m) = 0.3m



9 SEDIMENT FOREBAY DETAIL
1:25

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Engineers Certification:

Nicola Canto MIE Aust. CPEng.
NPER Civil & Structural 1210341
RPEQ 6750, 19324ES(NT)
EC37922(VIC), CC5630J(TAS)

Signature:

Date:/...../.....

B	MINOR AMENDMENTS	16.11.2016	K.J.L.
A	FOR COUNCIL APPROVAL	17.06.2016	J.A.W
REV	DESCRIPTION	DATE	BY

Status

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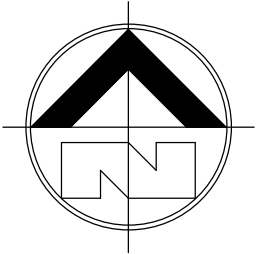
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Project
PROPOSED YARRANLEA SOLAR FARM
538 AND 752, YARRANLEA ROAD,
YARRANLEA
for
YARRANLEA SOLAR PTY LTD

Title
STORMWATER DETAILS PLAN

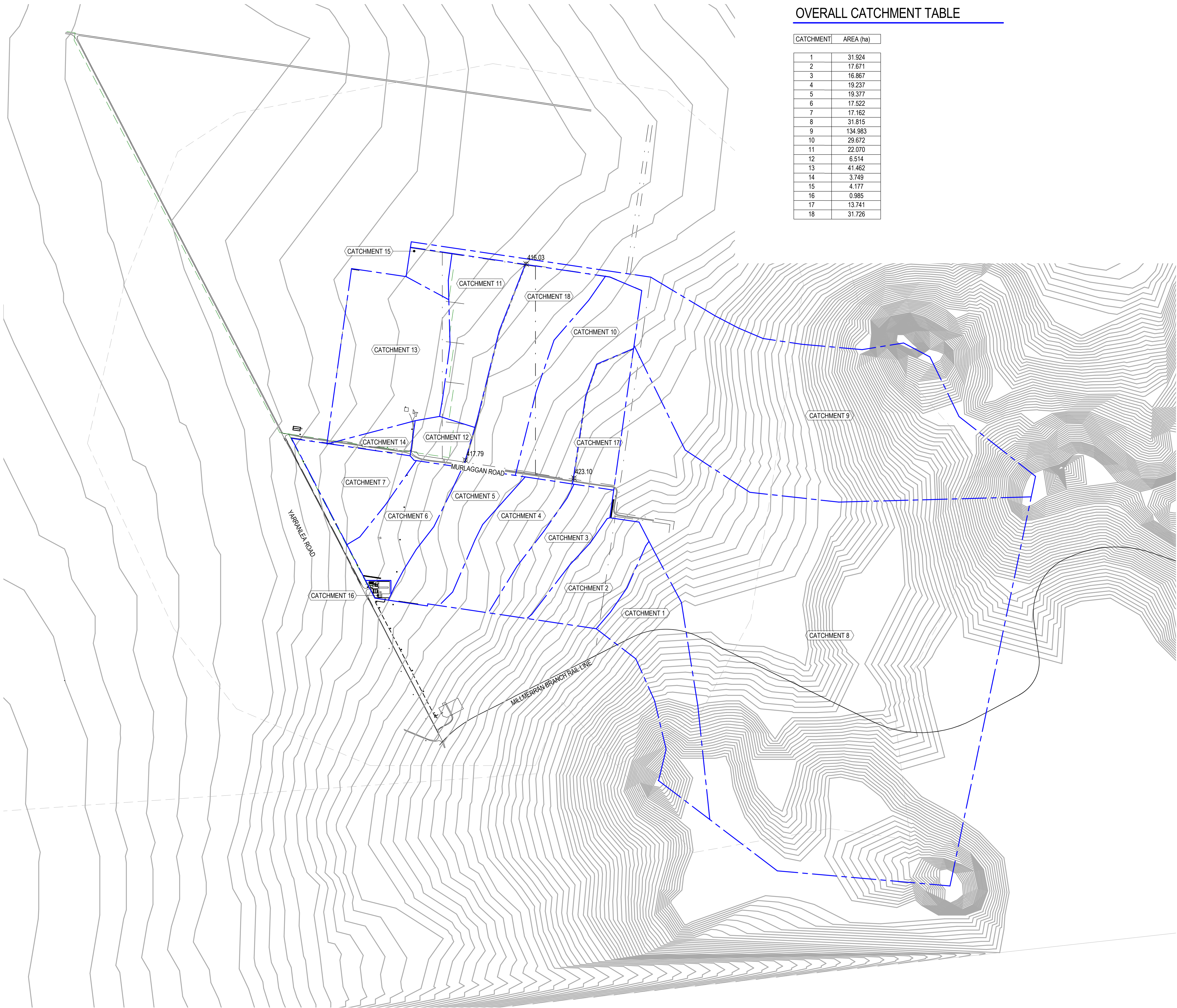
Drawn	Date	Chkd	Date
T.J.S.	14.07.2016	N.C.	
Design	Date	Apprd	Date
T.J.S.			
Scale	A1	Certif	Date
As indicated			
Project No.	Dwg. No.	Rev	
15-282	C02	B	

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OVERALL CATCHMENT TABLE

CATCHMENT	AREA (ha)
1	31.924
2	17.671
3	16.867
4	19.237
5	19.377
6	17.522
7	17.162
8	31.815
9	134.983
10	29.672
11	22.070
12	6.514
13	41.462
14	3.749
15	4.177
16	0.985
17	13.741
18	31.726



1 CATCHMENT PLAN

1 : 10000

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A	STORMWATER AMENDED	15.11.2016	T.J.S.
REV	DESCRIPTION	DATE	BY

Status

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NOT TO BE USED FOR CONSTRUCTION

Project

PROPOSED YARRANLEA SOLAR FARM
538 AND 752, YARRANLEA ROAD,
YARRANLEA
for
YARRANLEA SOLAR PTY LTD

Title

CATCHMENT PLAN

Drawn	Date	Chkd	Date
TJS	14.07.2016	NC	
Design	Date	Apprd	Date
TJS			
Scale	A1	Certif	Date
As indicated			
Project No.	Dwg. No.	Rev	
15-282	C05	A	

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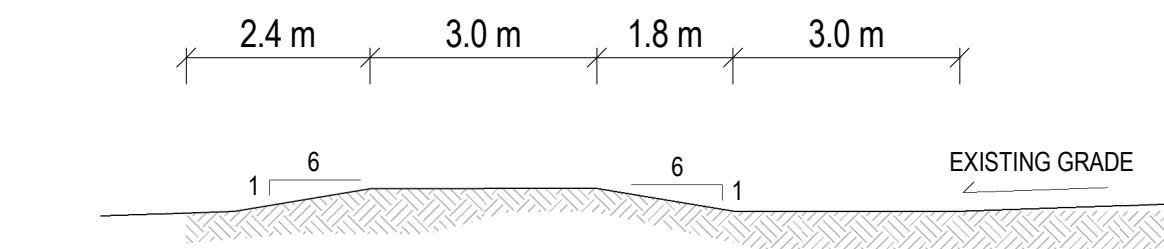
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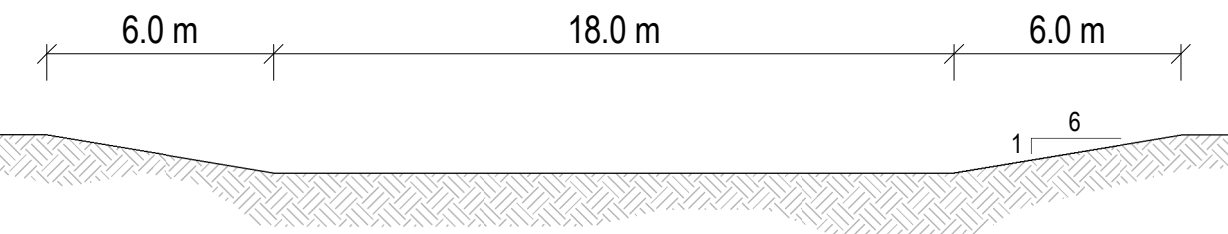
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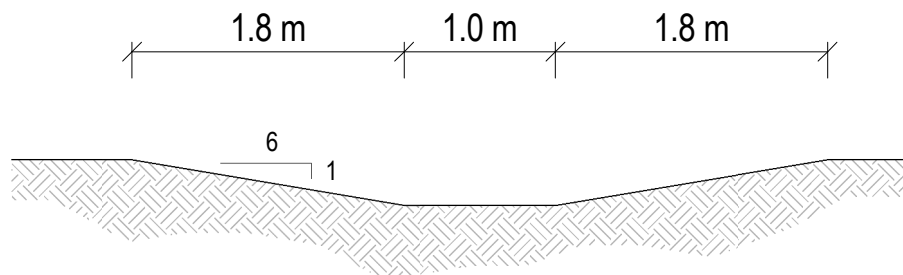
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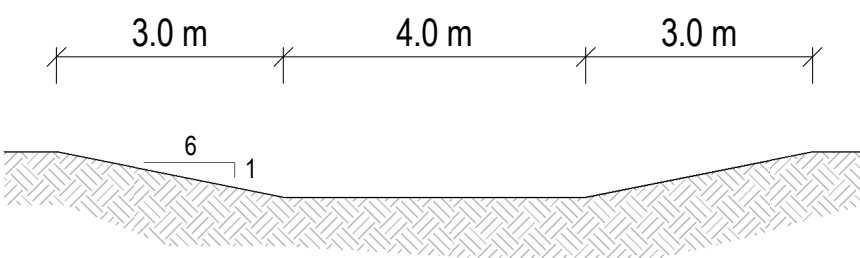
TYPICAL SOIL CONSERVATION BUND



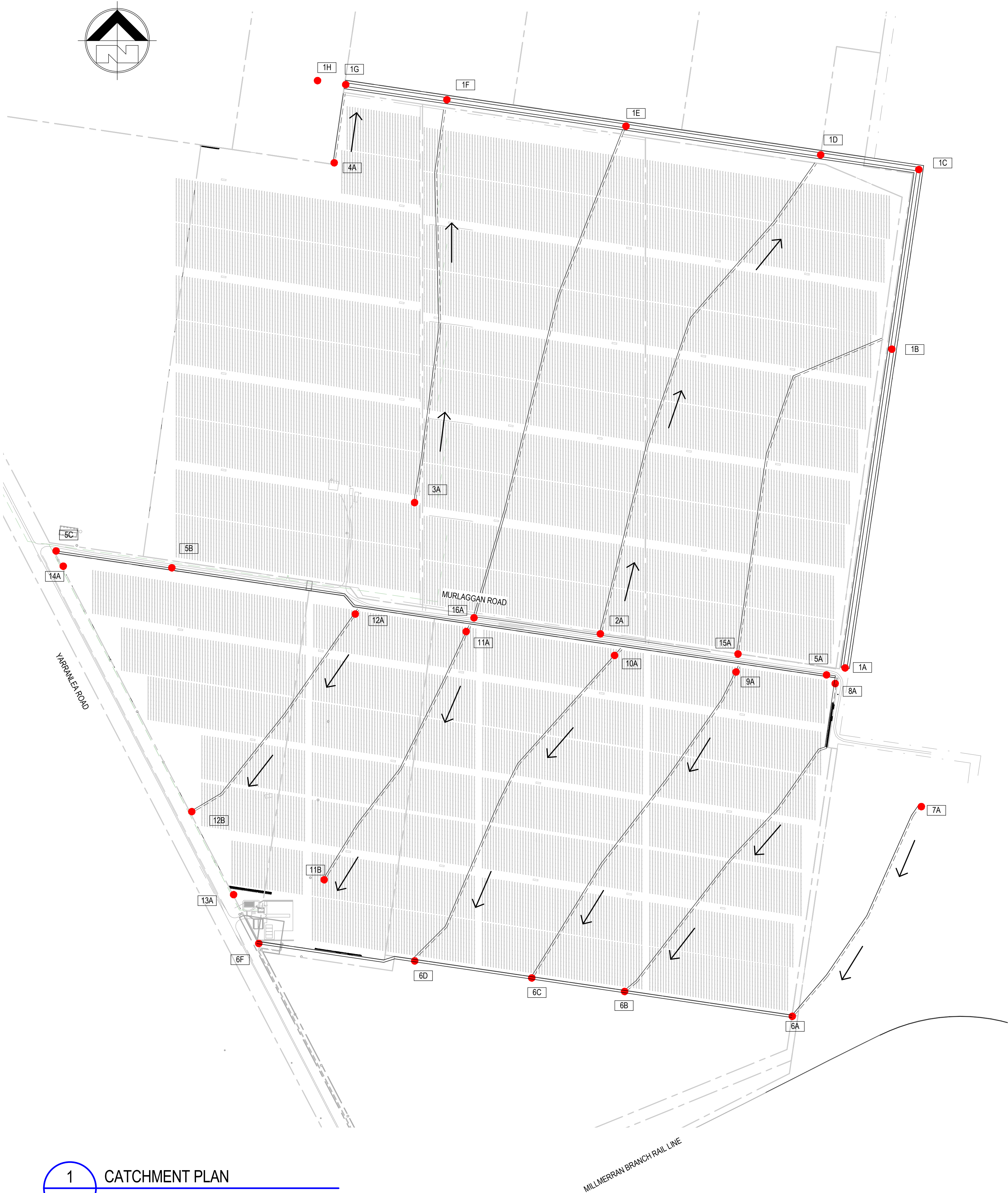
TYPICAL DRAINAGE CHANNEL 1 SECTION



TYPICAL DRAINAGE CHANNEL 5 SECTION



TYPICAL DRAINAGE CHANNEL 6 SECTION



1 CATCHMENT PLAN

1:5000

A	STORMWATER AMENDED	15.11.2016	T.J.S.
REV	DESCRIPTION	DATE	BY

Status

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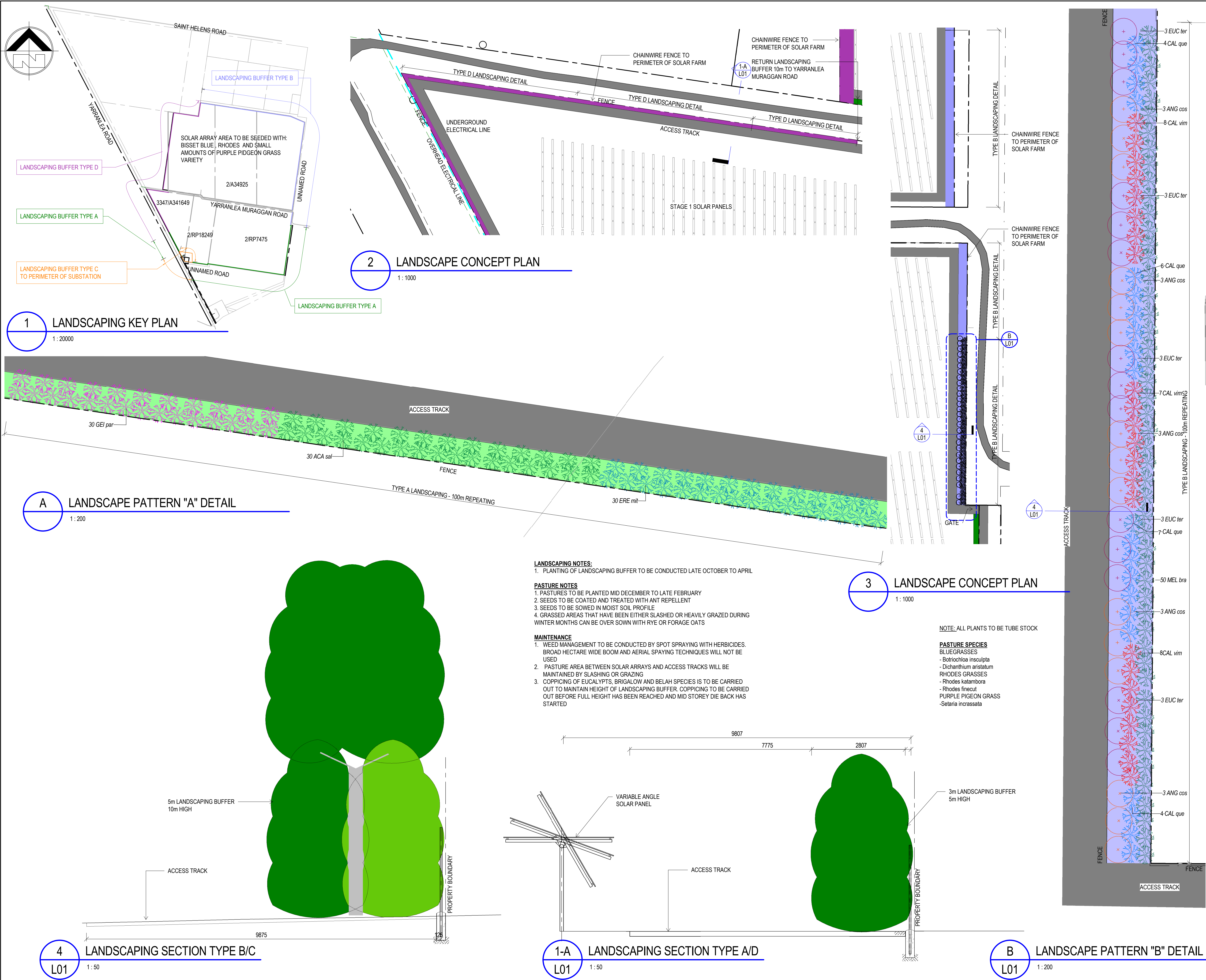
NOT TO BE USED FOR CONSTRUCTION

Project
PROPOSED YARRANLEA SOLAR FARM
538 AND 752, YARRANLEA ROAD,
YARRANLEA
for
YARRANLEA SOLAR PTY LTD

Title
OVERALL STORMWATER MANAGEMENT PLAN

Drawn	Date	Chkd	Date
TJS	14.07.2016	NC	
Design	Date	Apprd	Date
TJS			
Scale	A1	Certif	Date
As indicated			
Project No.	Dwg. No.	Rev	
15-282	C06	A	

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Planting Schedule Type A (100m Section)

Code	Botanical Name	Common Name	#	Mature Height
Shrub				
ACA sal	Acacia salicina	Sally wattle	30	20m
ERE mit	Eremophilla mitchelli	False sandalwood	29	6m
GEI par	Geijera parviflora	Wilga	26	10m

Planting Schedule Type B (100m Section)

Code	Botanical Name	Common Name	#	Mature Height
Tree				
ANG cos	Angophora costata	Smooth-barked Apple	6	25m
EUC ter	Eucalyptus tereticornis	Blue Gum	6	50m
Shrub				
CAL que	Callistemon quercinus	Oakey Bottlebrush	21	10m
CAL vim	Callistemon viminalis	Weeping bottlebrush	23	10m
MEL bra	Melaleuca bracteata	Black Tea Tree	50	10m

Planting Schedule Type C (100m Section)

Code	Botanical Name	Common Name	#	Mature Height
Shrub				
CAL que	Callistemon quercinus	Oakey Bottlebrush	10	10m
CAL vim	Callistemon viminalis	Weeping bottlebrush	10	10m
MEL bra	Melaleuca bracteata	Black Tea Tree	21	10m

Planting Schedule Type D (100m Section)

Code	Botanical Name	Common Name	#	Mature Height
Tree				
Aca har	Acacia harpophylla	Brigalow	10	10m
CAS cri	Casuarina cristata	Belah	20	10m
Shrub				
ACA sal	Acacia salicina	Sally wattle	25	20m
ERE mit	Eremophilla mitchelli	False sandalwood	29	6m
GEI par	Geijera parviflora	Wilga	24	10m

E	MINOR AMENDMENTS	16.11.2016	K.J.L.
D	LANDSCAPING MODIFIED	10.11.2016	R.J.R.
C	LANDSCAPING REVISED	19.08.2016	R.J.R.
B	FOR COUNCIL APPROVAL	17.06.2016	J.A.W
A	DRAWING AMENDED	22.01.2016	R.J.R.
REV	DESCRIPTION	DATE	BY

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

Project
PROPOSED YARRANLEA SOLAR FARM
538 AND 752, YARRANLEA ROAD,
YARRANLEA
for
YARRANLEA SOLAR PTY LTD

Title
TYPICAL LANDSCAPE PLAN

Drawn J.A.W.	Date 14.07.2016	Chkd R.J.R.	Date
Design N.C	Date	Apprd	Date
Scale As indicated	A1	Certif	Date
Project No. 15-282	Dwg. No. L01	Rev E	

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PROJECT TEAM

Consulting Engineer:

1

3

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B	MINOR AMENDMENTS	16.11.2016	K.J.L.
A	LANDSCAPING MODIFIED	10.11.2016	R.J.R.
REV	DESCRIPTION	DATE	BY

Status

FOR APPROVAL

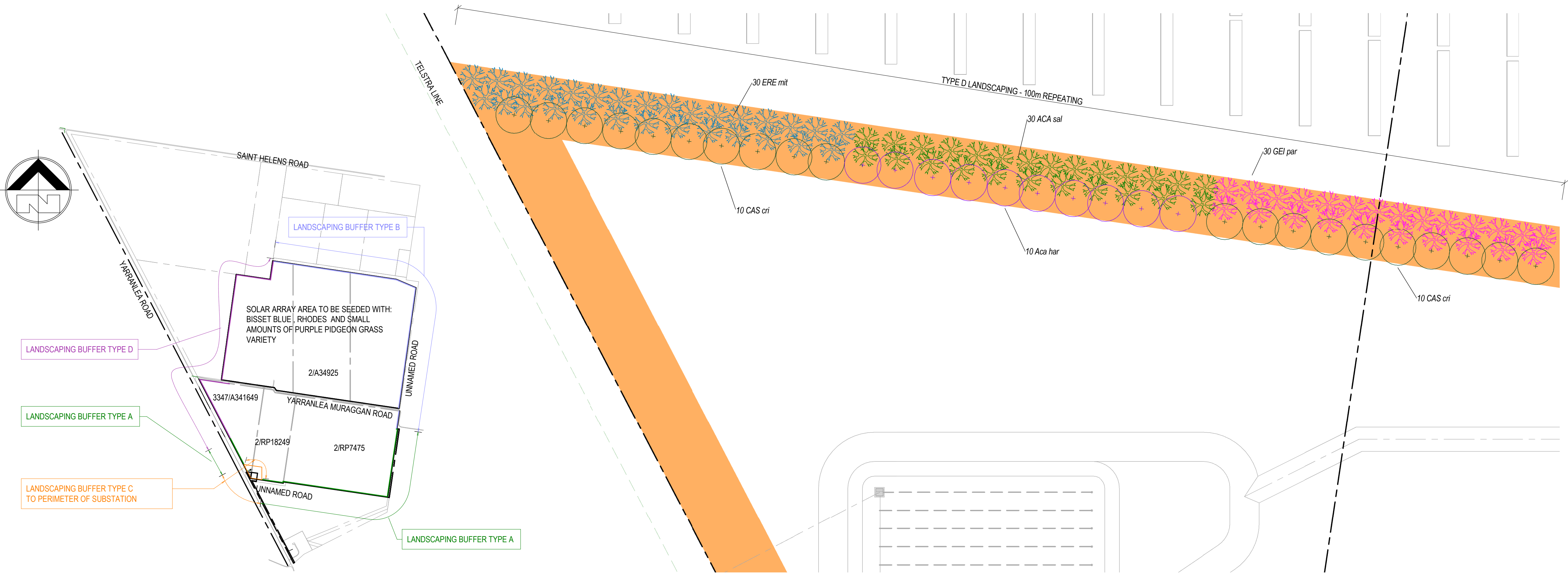
NOT TO BE USED FOR CONSTRUCTION

Project
PROPOSED YARRANLEA SOLAR FARM
538 AND 752, YARRANLEA ROAD,
YARRANLEA
for
YARRANLEA SOLAR PTY LTD

Title
TYPICAL SUBSTATION LANDSCAPING PLAN

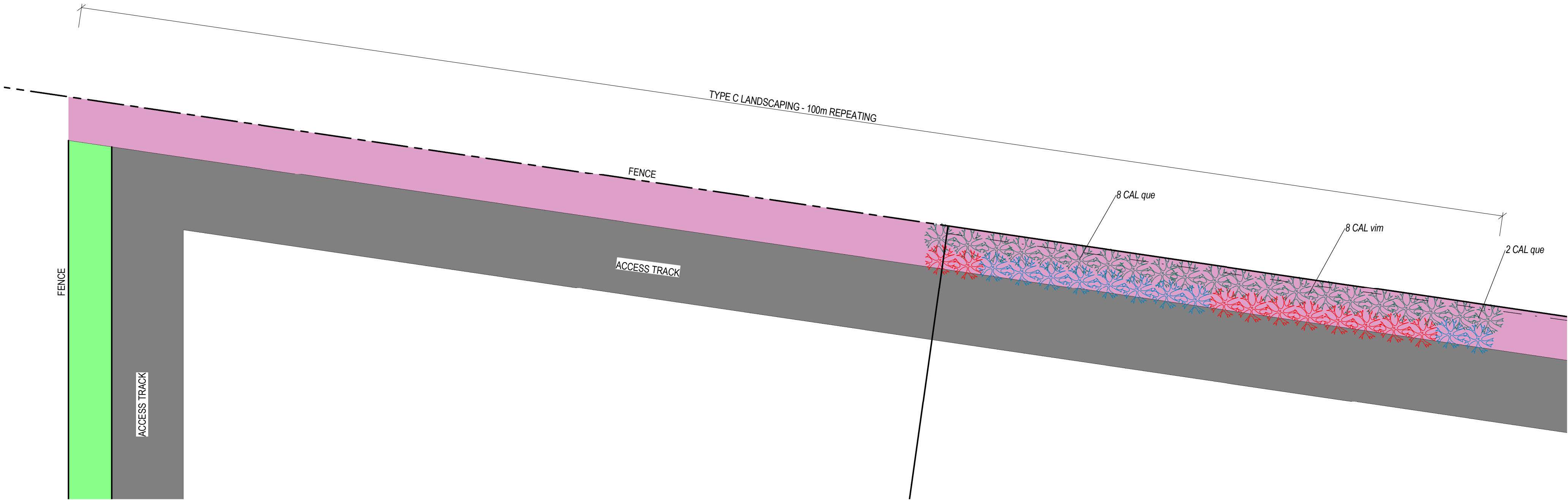
Drawn	Date	Chkd	Date
J.A.W	14.07.2016	Checker	
Design	Date	Apprd	Date
N.C			
Scale	A1	Certif	Date
As indicated			
Project No.	Dwg. No.	Rev	
15-282	L02	B	

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1 LANDSCAPING KEY PLAN
1 : 20000

D LANDSCAPE PATTERN "D" DETAIL
1 : 200



C LANDSCAPE PATTERN "C" DETAIL
1 : 200