

14<sup>th</sup> May 2022

Reference No. SMS1.21530-L1.Rev0

Mr. Sebastian Maron  
McMahon Services Australia Pty Ltd  
26 Duncan Road Dry Creek  
DRY CREEK SA 5094

**BULK EARTHWORKS, FORT LARGS**

Dear Sebastian,

SMS Geotechnical Pty Ltd (SMS) was commissioned by McMahon Services Australia Pty Ltd (McMahons) to provide Level 1 earthworks inspection and testing services during fill placement on the above project in Fort Largs, South Australia. The area where fill was placed is shown approximately in Drawing SMS1.21530-F1.Rev0.

Pre fill levels were undertaken by McMahons. These levels are detailed in the Existing and Excavated Levels Prior Earthworks survey drawing 1 – 4 revision 0 dated December 2021 – March 2022.

Post fill levels were undertaken by Alexander Symonds Surveying Consultants. These levels are detailed in the Bulk Earthworks survey drawing number 20A1673.00MCM\_Fort Largs Bulk Earthworks (0) revision 0 dated 13<sup>th</sup> May 2022.

Level 1 inspection and testing services were carried out by SMS to Australian Standard AS3798-2007 “Guidelines on earthworks for commercial and residential developments” between 29<sup>th</sup> October 2021 and 12<sup>th</sup> April 2022. The subgrade was inspected and showed no signs of organic or unsuitable material. Subgrade proof rolling was witnessed prior to fill being placed and was deemed suitable by SMS’ representative on site.

SMS conducted in situ density testing to AS1289.5.8.1 at randomly selected locations throughout areas in which fill was placed as per frequencies outlined in AS3798-2007. The density test results have been issued separately to McMahons and are retained in our project file. The required laboratory dry density ratio was achieved on all tests taken during fill placement. Laboratory tests were conducted to AS1289.5.1.1.

On the completion of Level 1 earthworks inspection and testing, SMS advise that the fill placed as shown in Drawing SMS1.21530-F1.Rev0, was witnessed and in our opinion meets the requirements of “Controlled Fill” as defined in AS3798-2007.

However, it should be recognised that the passage of time affects the information provided in this letter. SMS’s opinions are based upon information that existed at the time that our services were provided. The services allowed SMS to form no more than an opinion of the fill placement undertaken under our Level 1 inspection and testing services at the times the earthworks were carried out. These services cannot be used to assess the effect of any subsequent further works at the site.

If you have any questions relating to this project or require any additional information, please contact our office on (08) 8258 7498.

**SMS GEOTECHNICAL PTY LTD**



**Luke Garcia**  
Laboratory Manager

Attachments:

1. Drawing SMS1.21530-F1.Rev0
2. McMahon Services Australia Pty Ltd – Existing and Excavated Levels Prior Earthworks survey drawing 1 – 4 revision 0 dated December 2021 – March 2022.
3. Bulk Earthworks survey drawing number 20A1673.00MCM\_Fort Largs Bulk Earthworks (0) revision 0 dated 13<sup>th</sup> May 2022.



SA POLICE ACADEMY

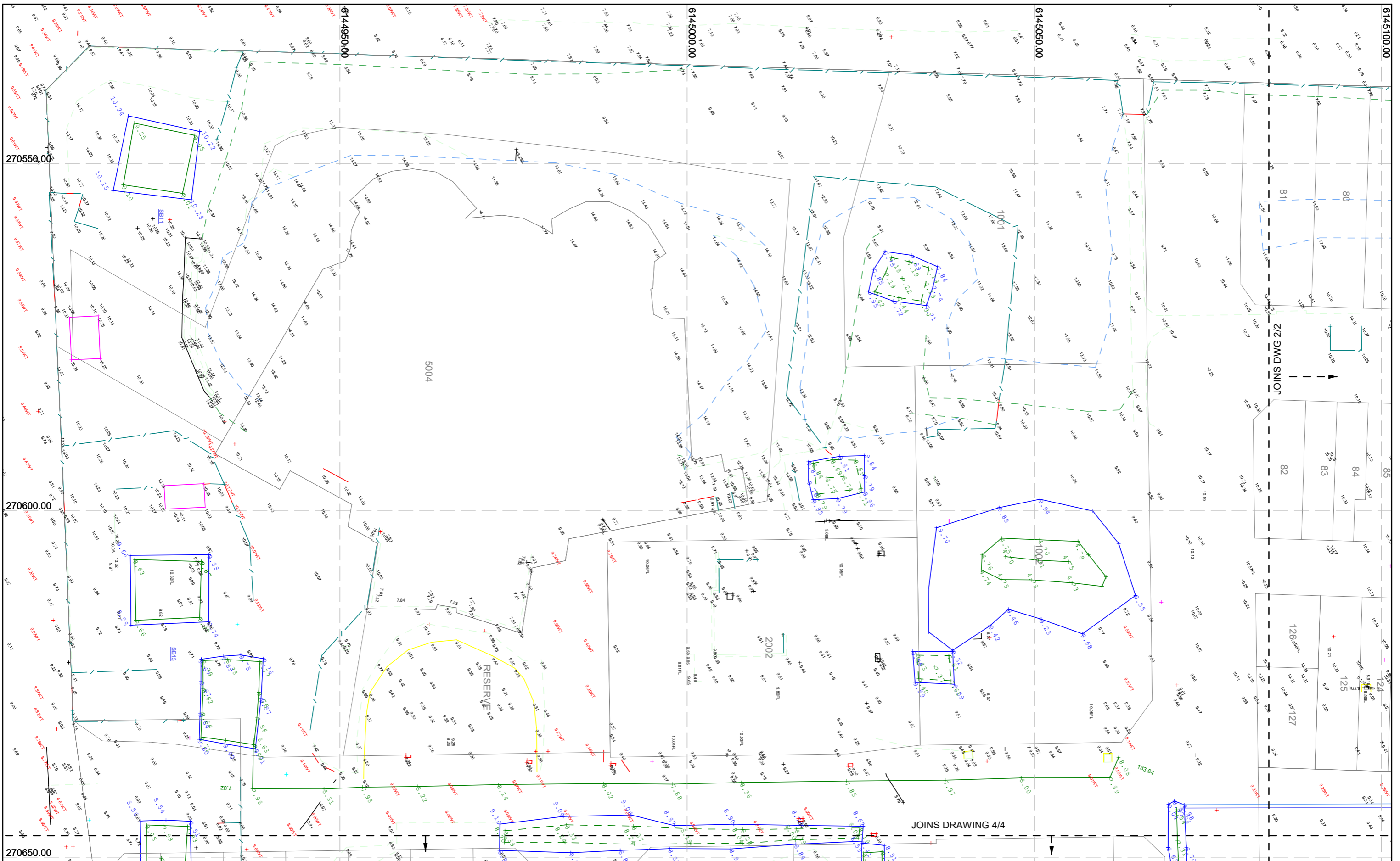


Approx. Fill Location



Drawn:	LG	Date:	17.05.2022
Checked:	DM	Date:	17.05.2022
Revision:		Date:	
Scale:	NTS		A4

<b>MCMAHON SERVICES AUSTRALIA PTY LTD</b> <b>BULK EARTHWORKS</b> <b>FORT LARGS</b> <b>SITE PLAN</b>			
		Project No.:	SMS1.21530
		Drawing No.:	SMS1.21530-F1.Rev0



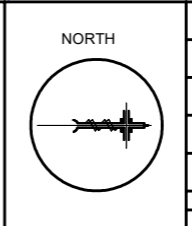
No.	Revision	Drawn	Check	Approv.	Date
0					

**IMPORTANT:**  
 and should not be used, other than for its specified purpose.  
 Symbols on this plan may not be to scale.  
 This plan may NOT show the location of all services.  
 Services should be accurately located prior to any excavation.  
 Any property boundaries shown hereon are derived from Title data only.  
 Actual boundary locations should be re defined by a Licensed surveyor.

**NOTES:**

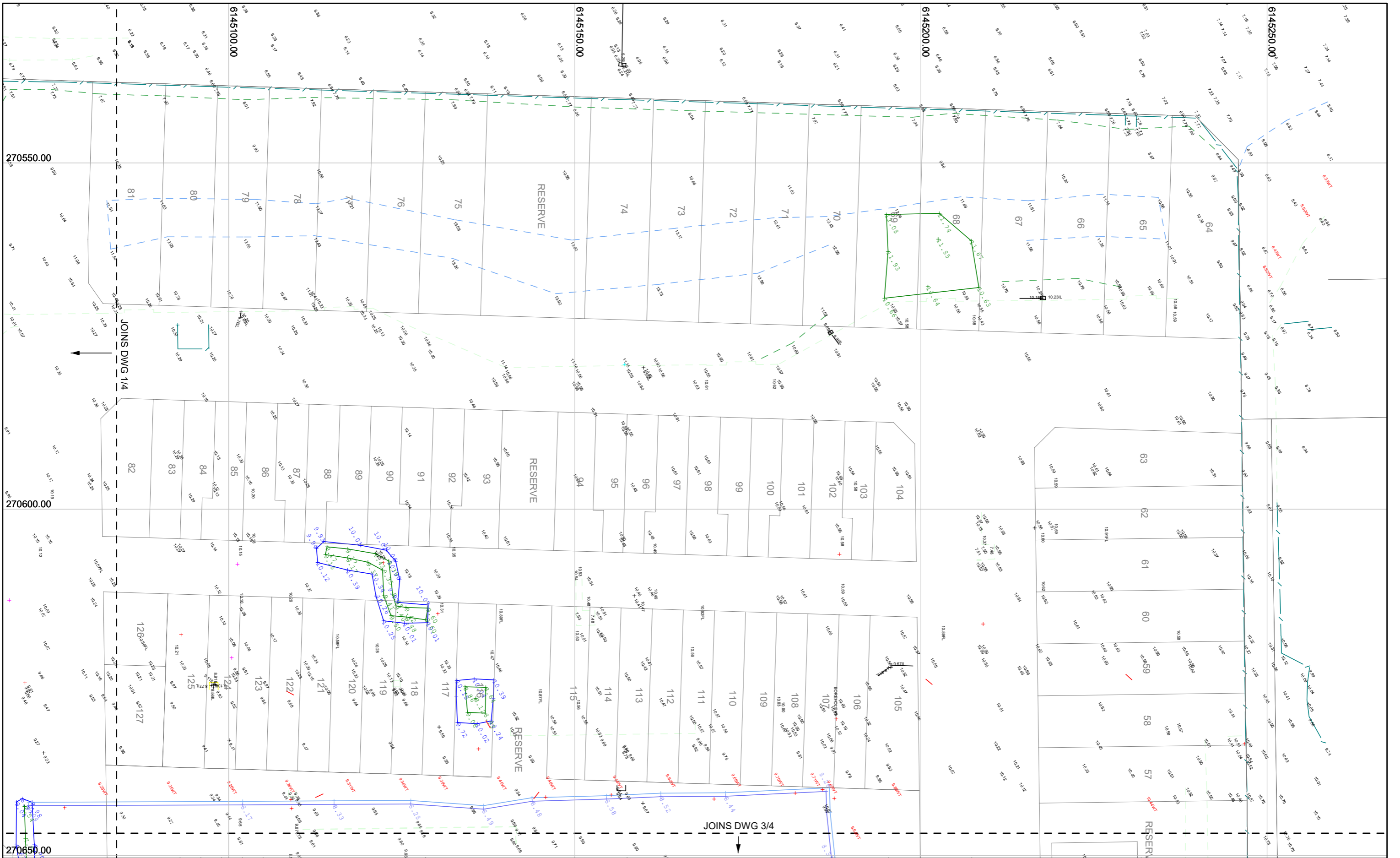
**McMAHON SERVICES**

26 DUNCAN RD., DRY CREEK SA  
 adelaide@mcmservices.com.au  
 (08) 8203 3100



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Surveyed:	Dec 2021 - Mar 2022		
Surveyor:	DJ CRONIN		
Coordinate System:	Local Site.		
Height Datum:	AHD		
Job No:			
CAD File:			

Client:	PEET Ltd
Project:	FORT LARGS
Title:	Existing and Excavated Levels Prior Earthworks
Dwg. No.:	1/4
Rev:	0



No.	Revision	Drawn	Check	Apprv.	Date
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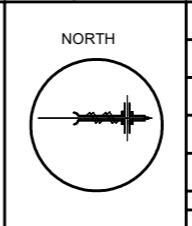
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**McMAHON SERVICES**

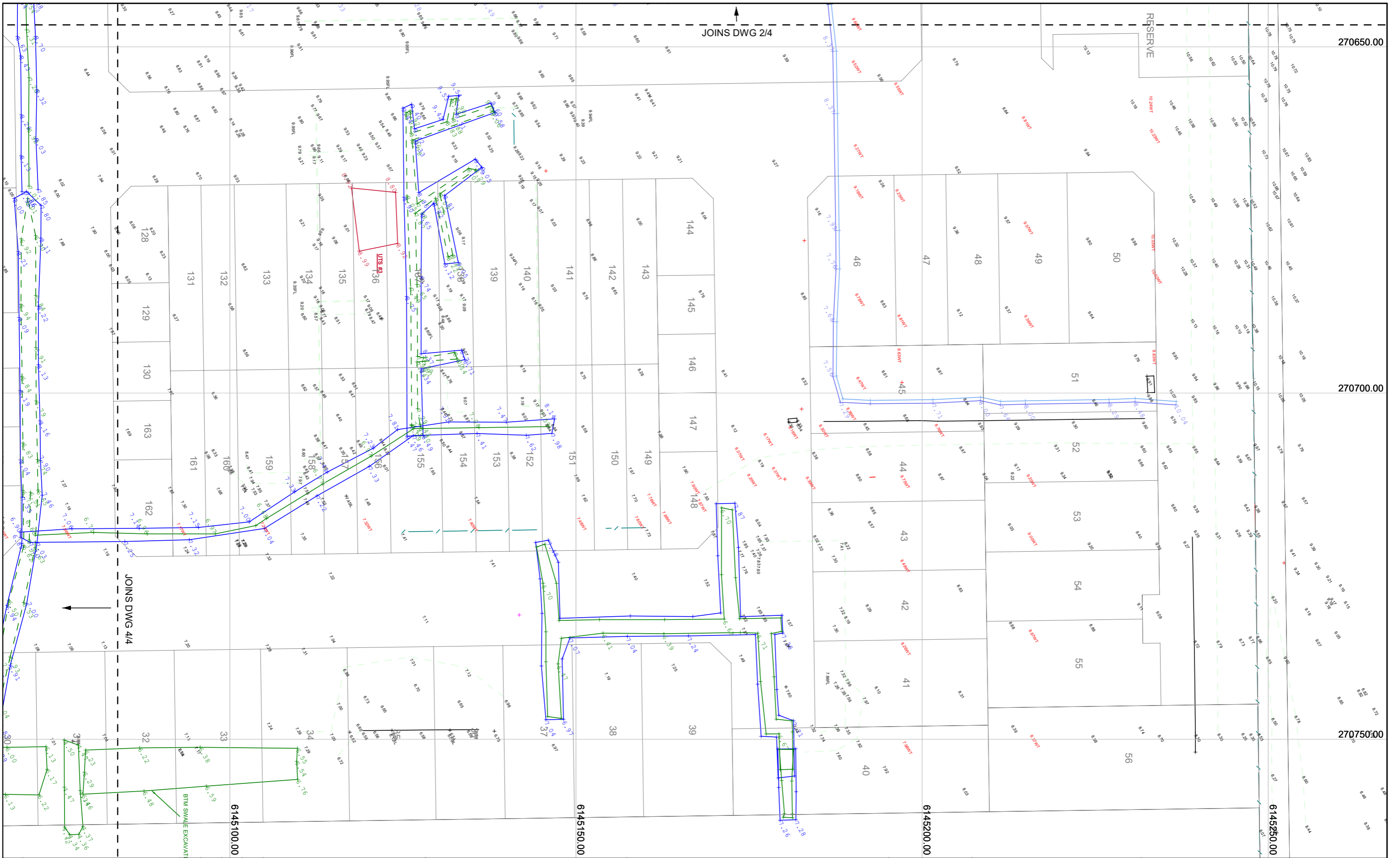
26 DUNCAN RD , DRY CREEK SA  
 adelade@mcmsservices.com.au  
 (08) 8203 3100

Quality ISO 9001    Environment Health & Safety ISO 14001    AS 4801



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Surveyor:	DJ CRONIN		
Coordinate System:	Local Site.		
Height Datum:	AHD		
Job No:			
CAD File:			

Client:	PEET Ltd
Project:	FORT LARGS
Title:	Existing and Excavated Levels Prior Earthworks
Dwg. No.:	2/4
Rev:	0



No.	Revision	Drawn	Check	Approv.	Date
0					

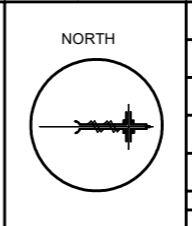
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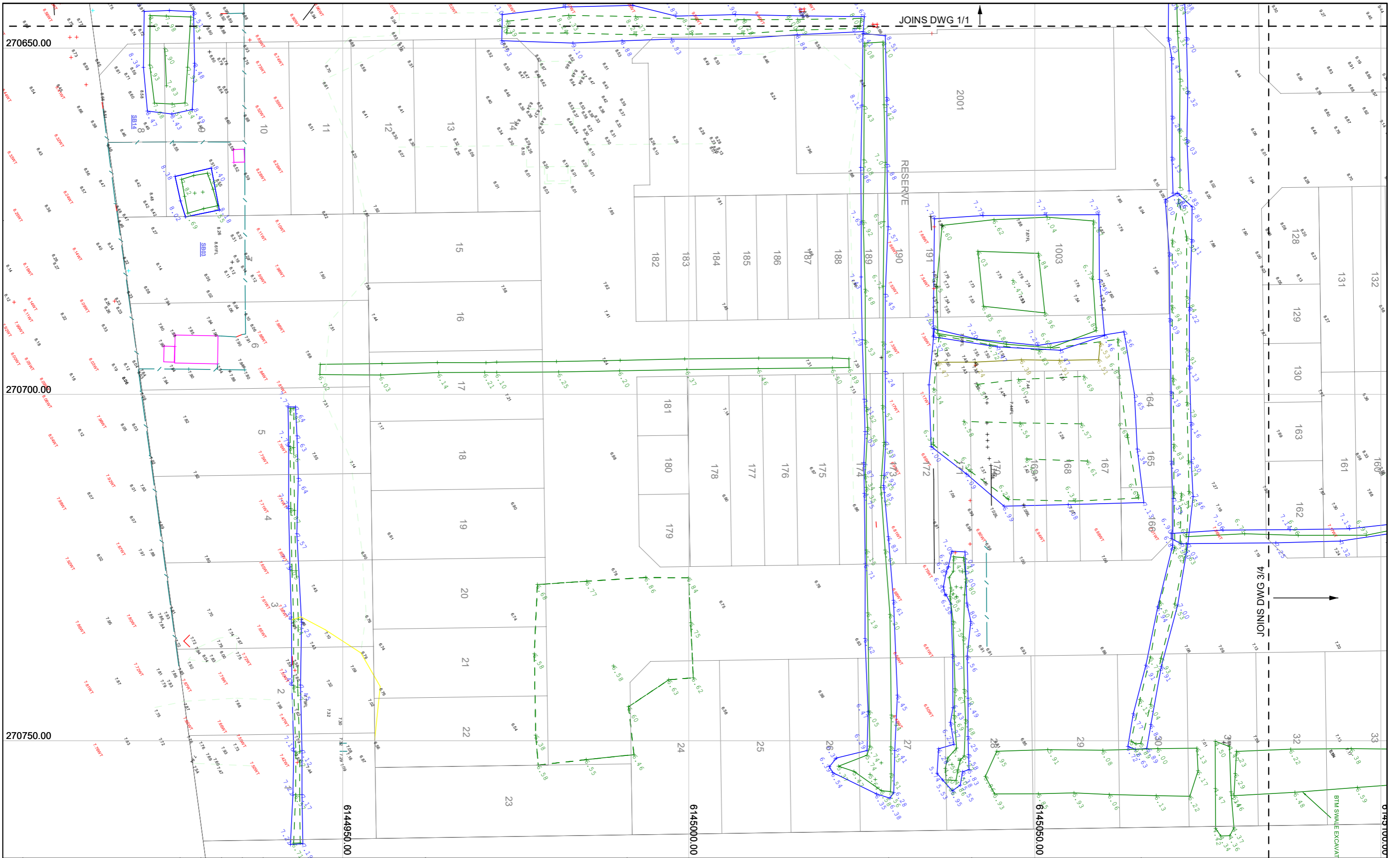
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 adelaide@mcmsservices.com.au  
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Quality ISO 9001    Environment ISO 14001    Health & Safety AS 4801



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Surveyor:	DJ CRONIN		
Coordinate System:	Local Site.		
Height Datum:	AHD		
Job No:			
CAD File:			

Client:	PEET Ltd
Project:	FORT LARGS
Title:	Existing and Excavated Levels Prior Earthworks
Dwg. No.:	3/4
Rev:	0



JOINS DWG 1/1

270650.00

270700.00

270750.00

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6145000.00

6145050.00

6145100.00

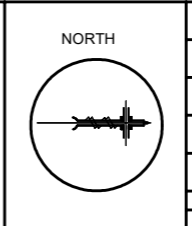
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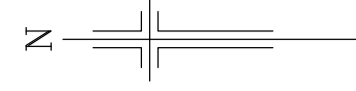
**McMAHON SERVICES**

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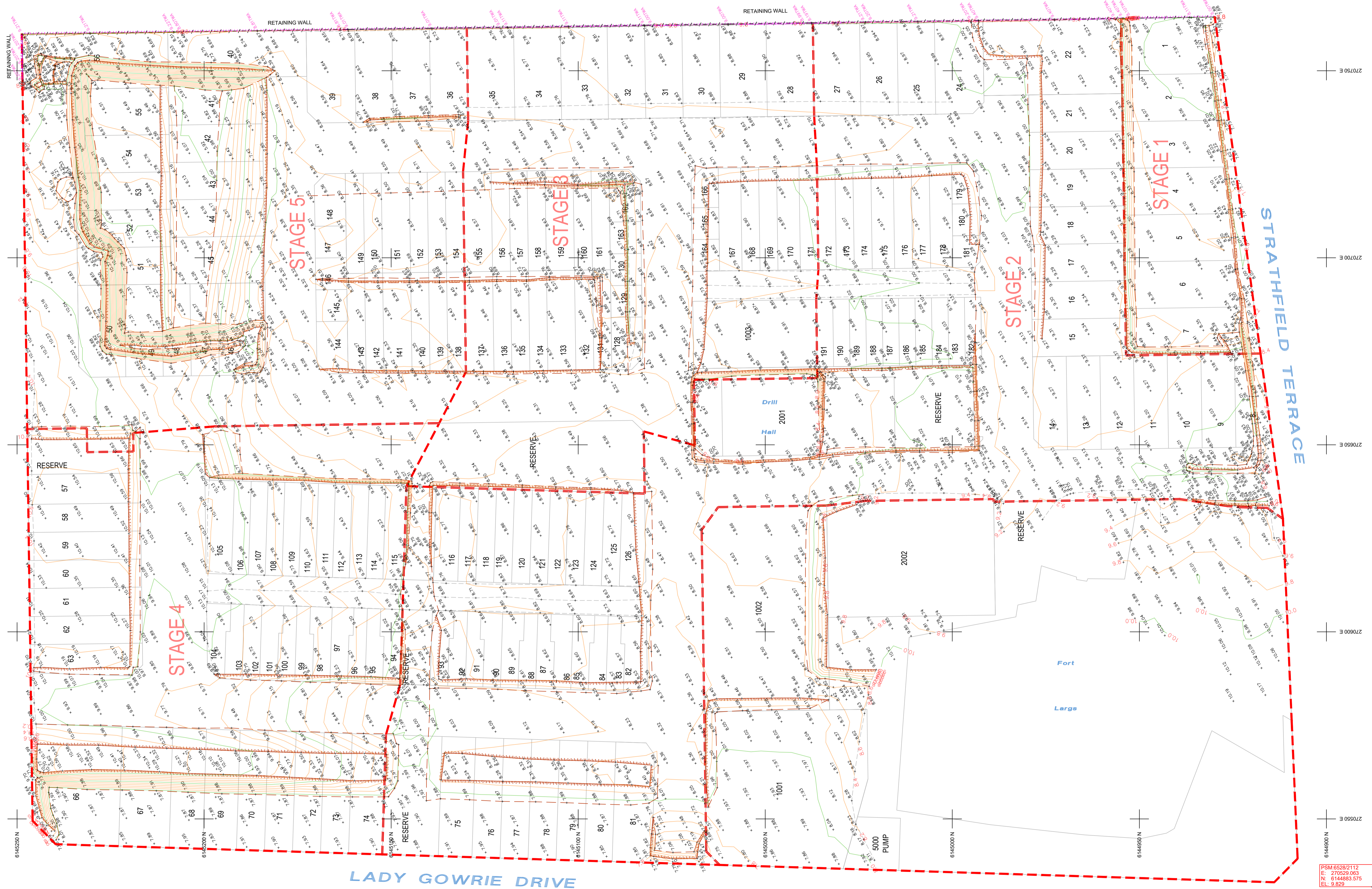


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Surveyor:	DJ CRONIN		
Coordinate System:	Local Site.		
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Job No:			
CAD File:			

Client:	PEET Ltd
Project:	FORT LARGS
Title:	Existing and Excavated Levels Prior Earthworks
Dwg. No.:	4/4
Rev:	0



# SA POLICE ACADEMY



270750 E  
270700 E  
270650 E  
270600 E  
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270500 E  
270450 E  
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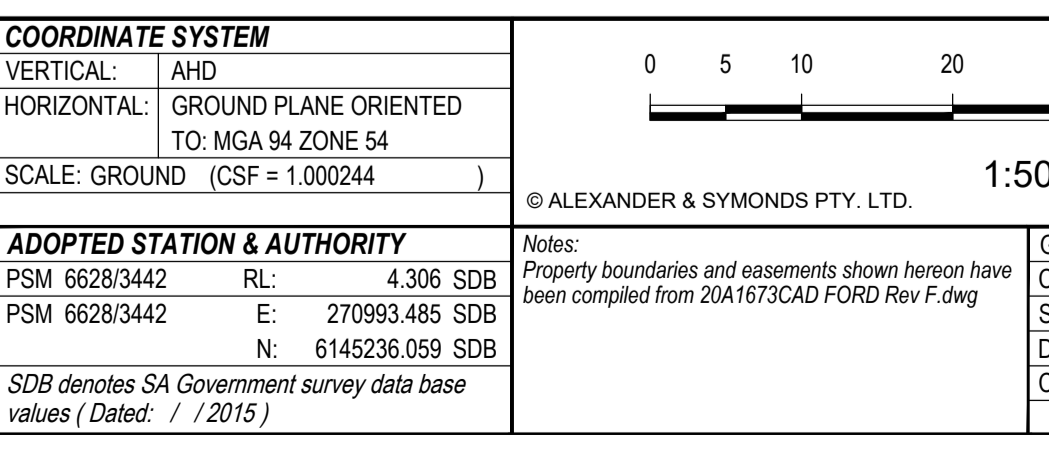
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N: 6144883.575  
EL: 9.829

0	13/05/2022	INITIAL RELEASE	JJK	CW
REV	DATE	DESCRIPTION	CALC	FIELD
ADDITIONS, AMENDMENTS AND APPROVALS				

**LEGEND**  
 40.50 SURFACE LEVEL  
 45.00 TOP RETAINING WALL  
 PSM PEG ITEM  
 SURVEY MARKS  
 BOTTOM OF BANK  
 TOP OF BANK  
 CHANGE OF GRADE  
 RETAINING WALL  
 FENCE

**COORDINATE SYSTEM**  
 VERTICAL: AHD  
 HORIZONTAL: GROUND PLANE ORIENTED TO: MGA 94 ZONE 54  
 SCALE: GROUND (CSF = 1.000244)

**ADOPTED STATION & AUTHORITY**  
 PSM 6628/3442 RL: 4.306 SDB  
 PSM 6628/3442 E: 270993.485 SDB  
 N: 6145236.059 SDB  
 SDB denotes SA Government survey data base values (Dated: / / 2015)



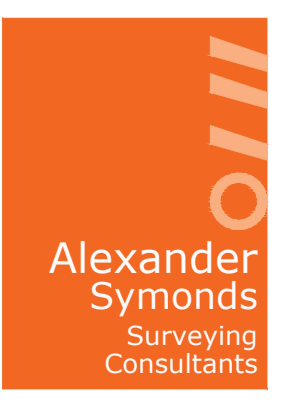
Notes: Property boundaries and easements shown hereon have been compiled from 20A1673CAD FORD Rev F.dwg

GRID INTERVAL: 50m  
 CONTOUR INTERVAL: Min: 0.2 & Maj: 1.0  
 SURVEY: CW 06/05/2022  
 DRAWN: JJK 13/05/2022  
 CHECKED: RES 13/05/2022

Alexander & Symonds Pty Ltd  
 11 King William Street Kent Town,  
 South Australia 5067  
 PO Box 1000 Kent Town, SA 5071  
 ABN 93007 753 988

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 E adelaide@alexander.com.au

+ Property + Land Development +  
 + Construction + Mining +  
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## BULK EARTHWORKS FORT LARGS TAPEROO

DRAWING No. 20A1673.00MCM\_Fort Largs Bulk Earthworks (0) SHEET 1 OF 1 REVISION 0