

14th 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 13th 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 29th October 2021 and 12th 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 13th May 2022.



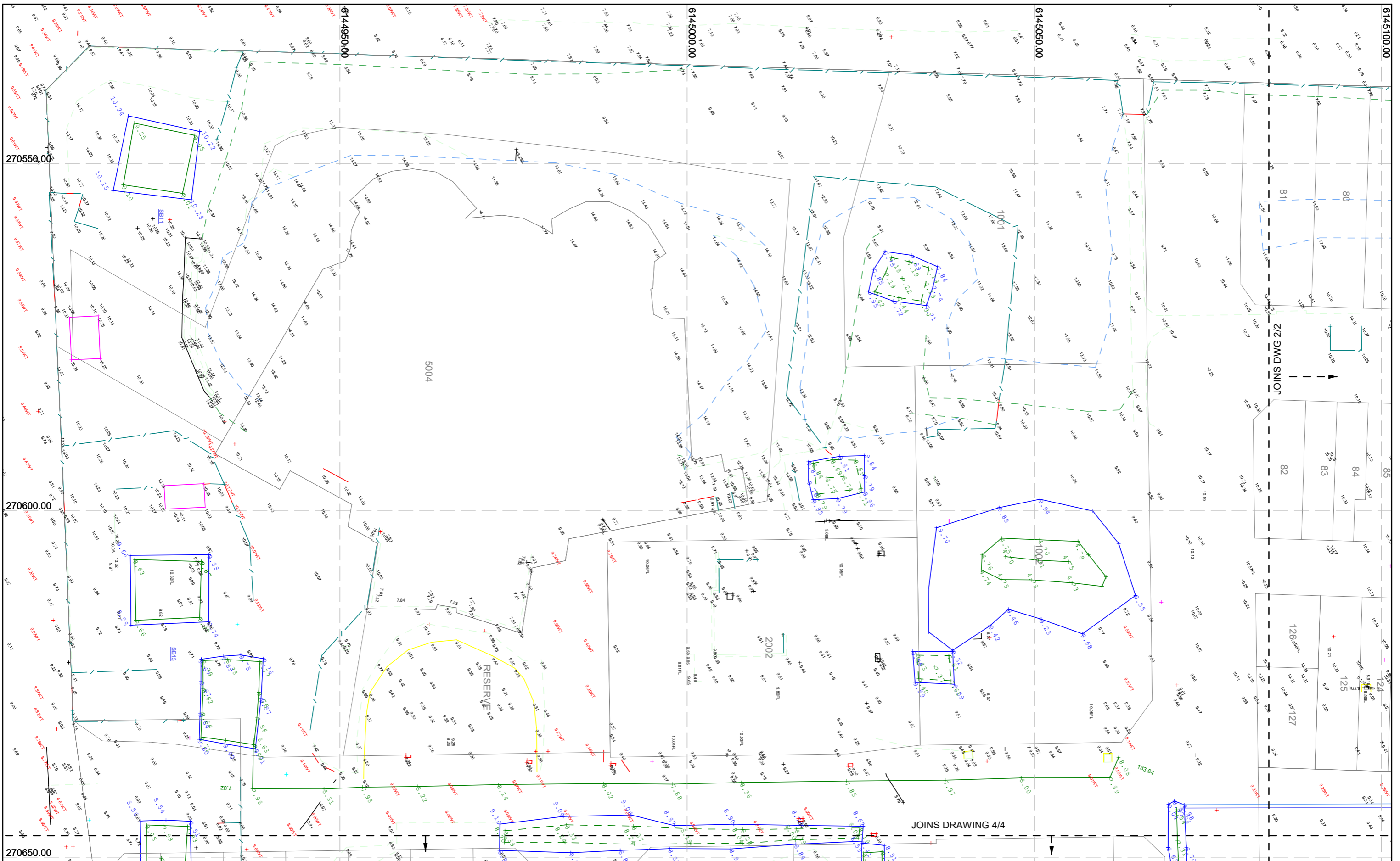
SA POLICE ACADEMY



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

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

Approx. Fill Location



No.	Revision	Drawn	Check	Approv.	Date
0					

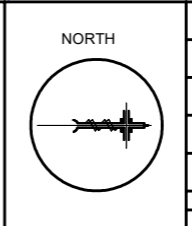
IMPORTANT:
 and should not be used, other than for its specified purpose.
 Symbols on this plan may not be to scale.
 This plan may NOT show the location of all services.
 Services should be accurately located prior to any excavation.
 Any property boundaries shown hereon are derived from Title data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

NOTES:

McMAHON SERVICES

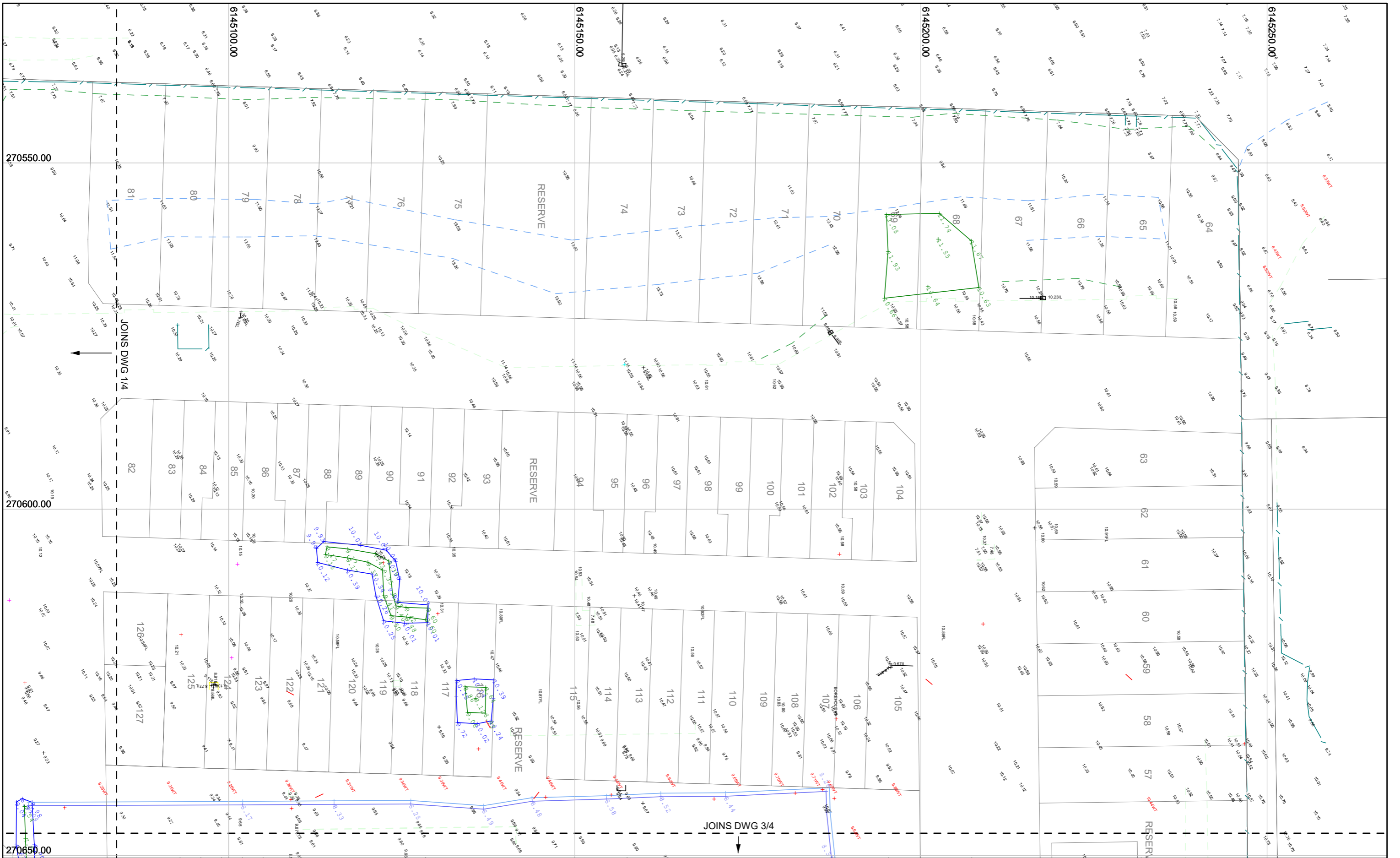
26 DUNCAN RD., DRY CREEK SA
 adelaide@mcmsservices.com.au
 (08) 8203 3100


 Quality ISO 9001 Environment ISO 14001 Health & Safety AS 4801



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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
0					

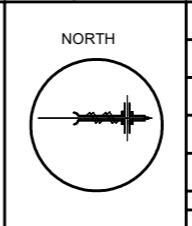
IMPORTANT:
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NOTES:

McMAHON SERVICES

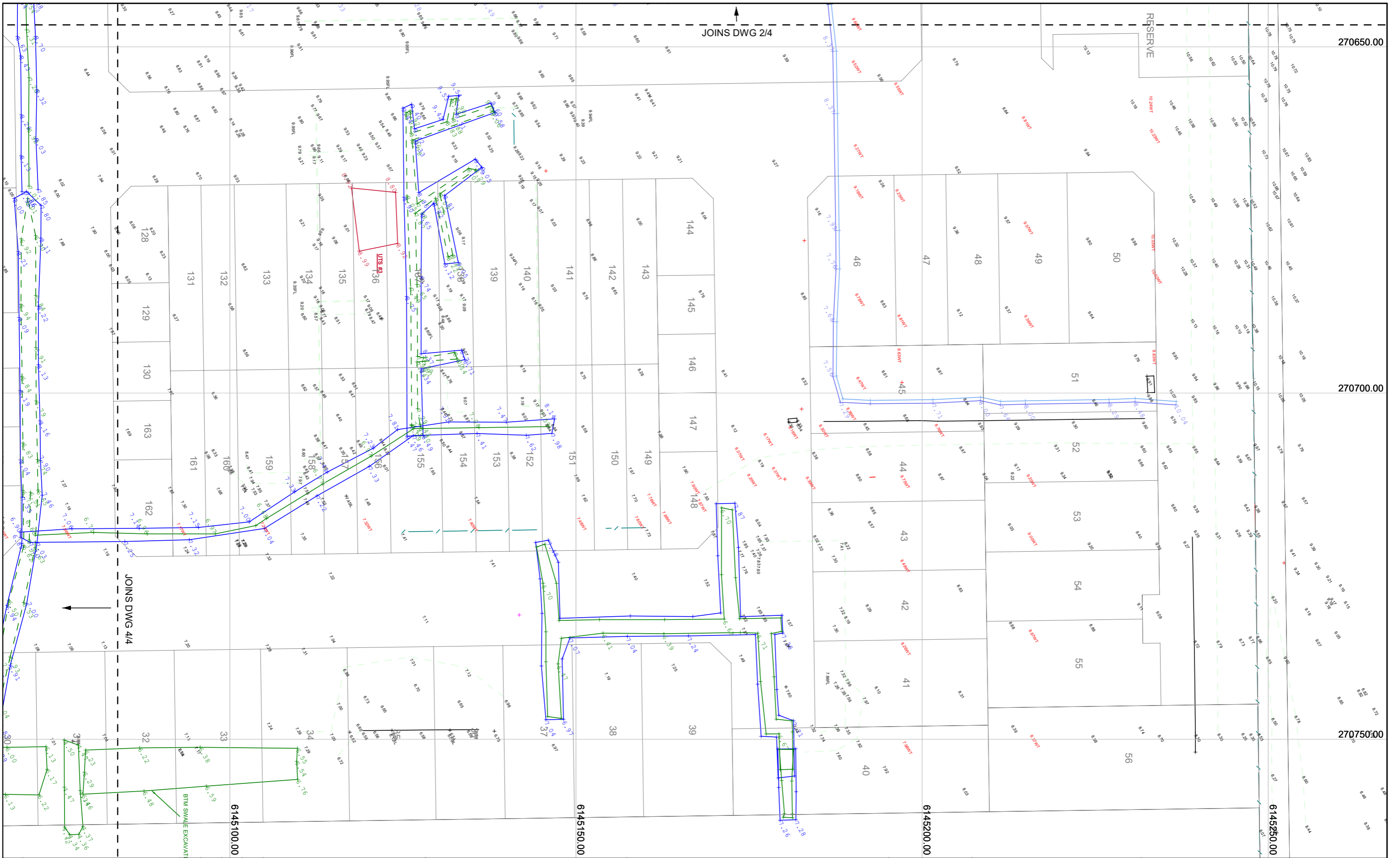
26 DUNCAN RD , DRY CREEK SA
 adelade@mcmsservices.com.au
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Quality ISO 9001 Environment Health & Safety ISO 14001 AS 4801



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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					

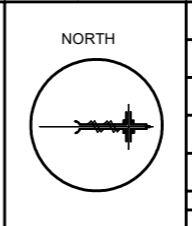
IMPORTANT:
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NOTES:

McMAHON SERVICES

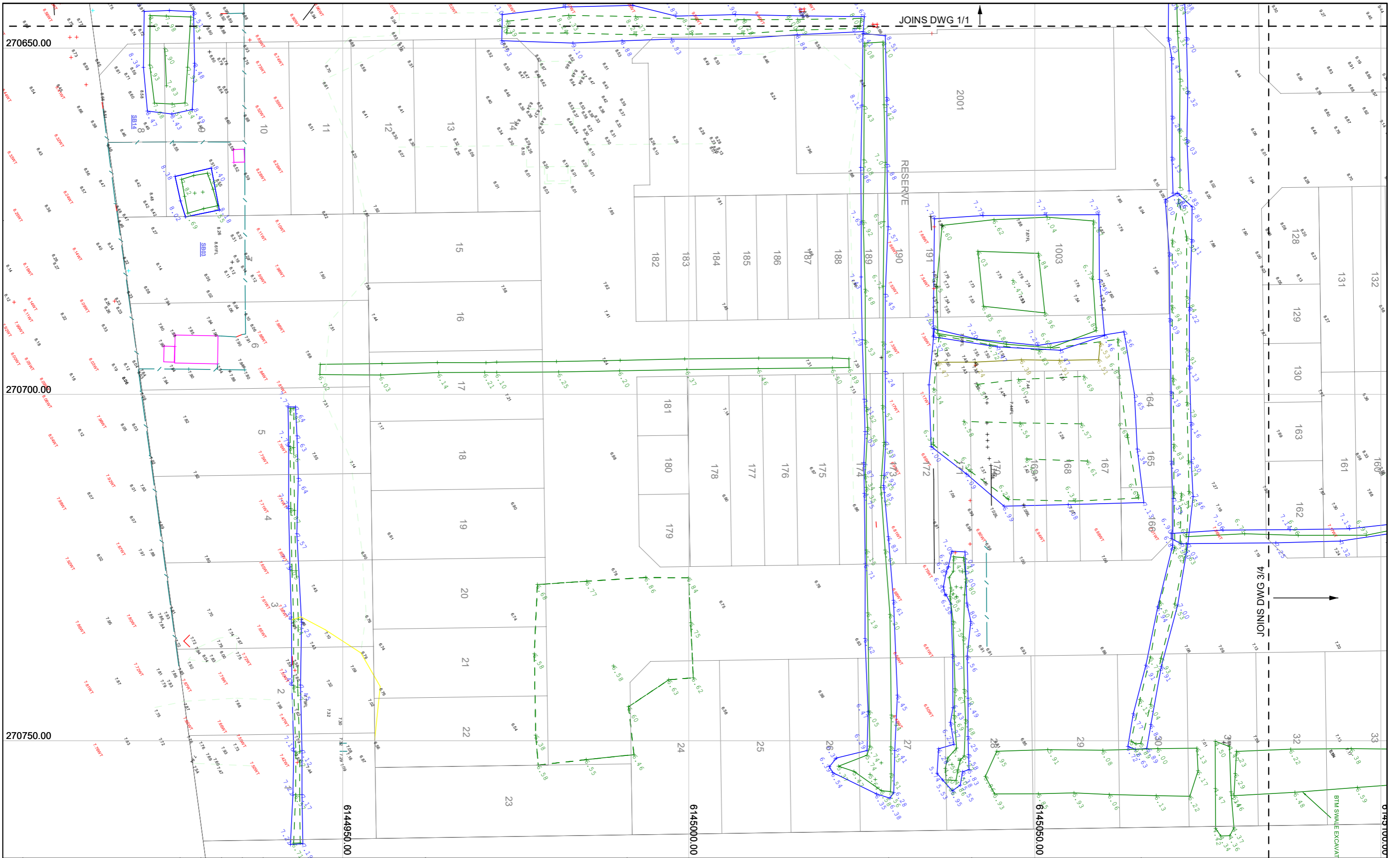
26 DUNCAN RD , DRY CREEK SA
 adelaide@mcmsservices.com.au
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Quality ISO 9001 Environment ISO 14001 Health & Safety AS 4801



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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

No.	Revision	Drawn	Check	Approv.	Date
0					

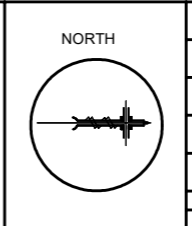
IMPORTANT:
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 Actual boundary locations should be defined by a Licensed surveyor.

NOTES:

McMAHON SERVICES

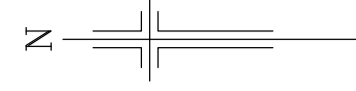
26 DUNCAN RD, DRY CREEK SA
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Quality ISO 9001
 Environment ISO 14001
 Health & Safety AS 4801

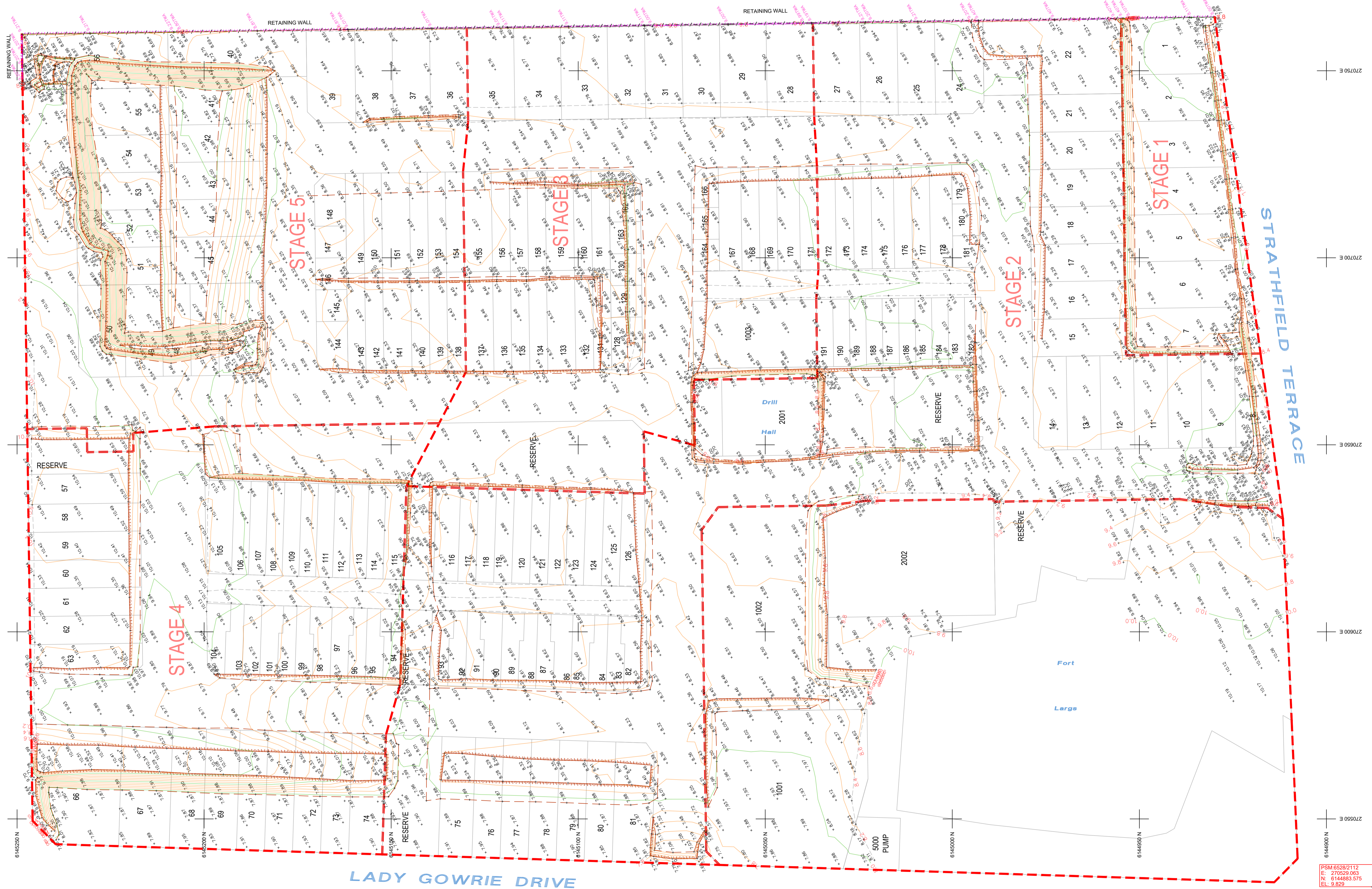


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Surveyor:	DJ CRONIN		
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Job No:			
CAD File:			

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
270550 E
270500 E
270450 E
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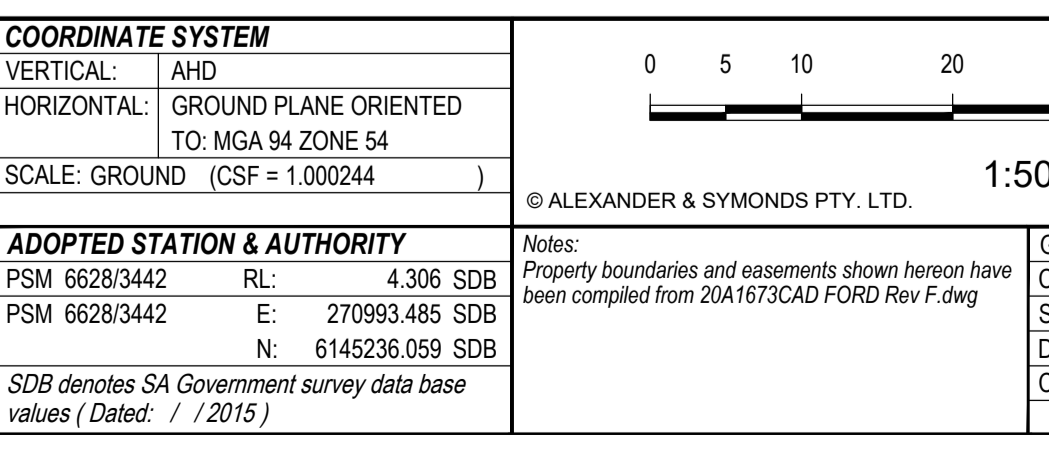
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EL: 9.829

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)

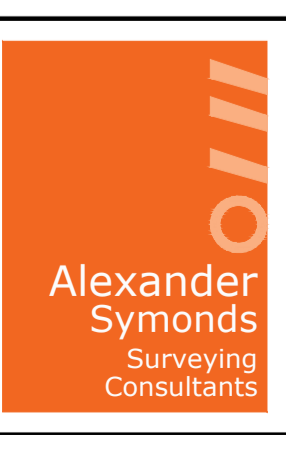


GRID INTERVAL	50m
CONTOUR INTERVAL:	Min: 0.2 & Maj: 1.0
SURVEY:	CW 06/05/2022
DRAWN:	JJK 13/05/2022
CHECKED:	RES 13/05/2022

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 South Australia 5067
 PO Box 1000 Kent Town, SA 5071
 ABN 93007 753 988

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 W www.alexander.com.au
 E adelaide@alexander.com.au

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**BULK EARTHWORKS
 FORT LARGS
 TAPEROO**

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

11th August 2023

Reference No. SMS1.22393-L2.Rev0

Mr. Phil Hendy
T&J Constructions
132 Ryans Road
GREEN FIELDS SA 5107

LOT 40 – 56 – TAPEROO STAGES 1A & 1B, FORT LARGS

Dear Phil,

SMS Geotechnical Pty Ltd (SMS) was commissioned by T&J Constructions to provide Level 1 earthworks inspection and testing services on Lots 40 – 56 in Forg Largs, South Australia. The area where fill was placed is shown approximately in Drawing SMS1.22393-F2.Rev0.

Pre and Post fill levels were undertaken by Alexander Symonds Survey Consultants. These levels are detailed in the bulk earthworks Fort Largs Taperoo survey drawing number 20A1673.00MCM_Fort Largs Bulk Earthworks (A) revision A and the subdivision as constructed Stage 1B – Fort Largs Taperoo drawing number 20A1673.C001B Subdivision As Constructed Rev (B) revision B.

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 1st December 2022 and 7th December 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 T&J Constructions 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 on Lots 40 – 56 as shown in Drawing SMS1.22393-F2.Rev0, was witnessed and in our opinion meets the requirements of “Controlled Fill” as defined in AS3798-2007 and AS2870-2011 “Residential slabs and footings”.

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 SMS1.22393-F2.Rev0
2. Alexander Symonds Survey Consultants – bulk earthworks Fort Largs Taperoo survey drawing number 20A1673.00MCM_Fort Largs Bulk Earthworks (A) revision A
3. Alexander Symonds Survey Consultants – subdivision as constructed Stage 1B – Fort Largs Taperoo drawing number 20A1673.C001B Subdivision As Constructed Rev (B) revision B

SA POLICE ACADEMY



Approx. Fill Location

SMS
GEOTECHNICAL
Quality in Construction

Drawn:	LG	Date:	11.08.2023
Checked:	DM	Date:	11.08.2023
Revision:		Date:	
Scale:	NTS		A4

T&J CONSTRUCTIONS
TAPEROO STAGE 1A AND 1B
FORT LARGS
SITE PLAN

Project No.:	SMS1.22393	Drawing No.:	SMS1.22393-F2.Rev0
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22nd March 2024

Reference No. SMS1.23475-L1.Rev0

Mr. Darren Bloffwitch
T&J Constructions
132 Ryans Road
GREEN FIELDS SA 5107

LOT 40 – 56 – FORT LARGS STAGE 5, TAPEROO

Dear Darren,

SMS Geotechnical Pty Ltd (SMS) was commissioned by T&J Constructions to provide Level 1 earthworks inspection and testing services on Lots 40 – 56 in Forg Largs, South Australia. The area where fill was placed is shown approximately in Drawing SMS1.23475-F1.Rev0.

Pre and Post fill levels were undertaken by Alexander Symonds Survey Consultants. These levels are detailed in the bulk earthworks Fort Largs Taperoo survey drawing number 20A1673.00MCM_Fort Largs Bulk Earthworks (A) revision A and the subdivision as constructed Stage 5 Fort Largs Taperoo drawing number 20A1673.C0005 Stage 5 Subdivision Ascon Rev (A) revision A.

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 1st December 2022 and 1st March 2023. 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 T&J Constructions 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 on Lots 40 – 56 as shown in Drawing SMS1.23475-F1.Rev0, was witnessed and in our opinion meets the requirements of “Controlled Fill” as defined in AS3798-2007 and AS2870-2011 “Residential slabs and footings”.

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

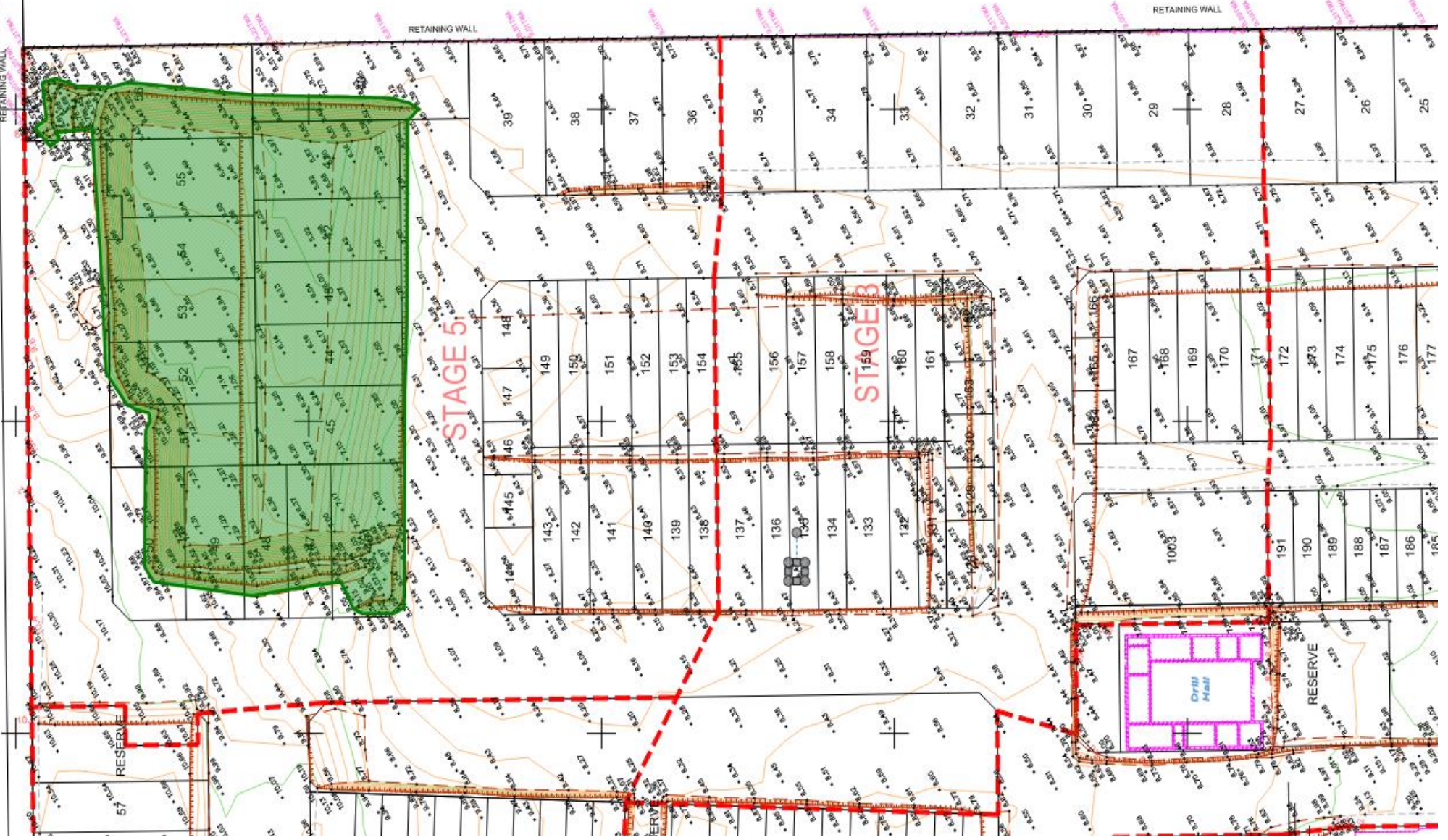



Luke Garcia
Laboratory Manager

Attachments:

1. Drawing SMS1.23475-F1.Rev0
2. Alexander Symonds Survey Consultants – bulk earthworks Fort Largs Taperoo survey drawing number 20A1673.00MCM_Fort Largs Bulk Earthworks (A) revision A
3. subdivision as constructed Stage 5 Fort Largs Taperoo drawing number 20A1673.C0005 Stage 5 Subdivision Ascon Rev (A) revision A.

SA POLICE ACADEMY



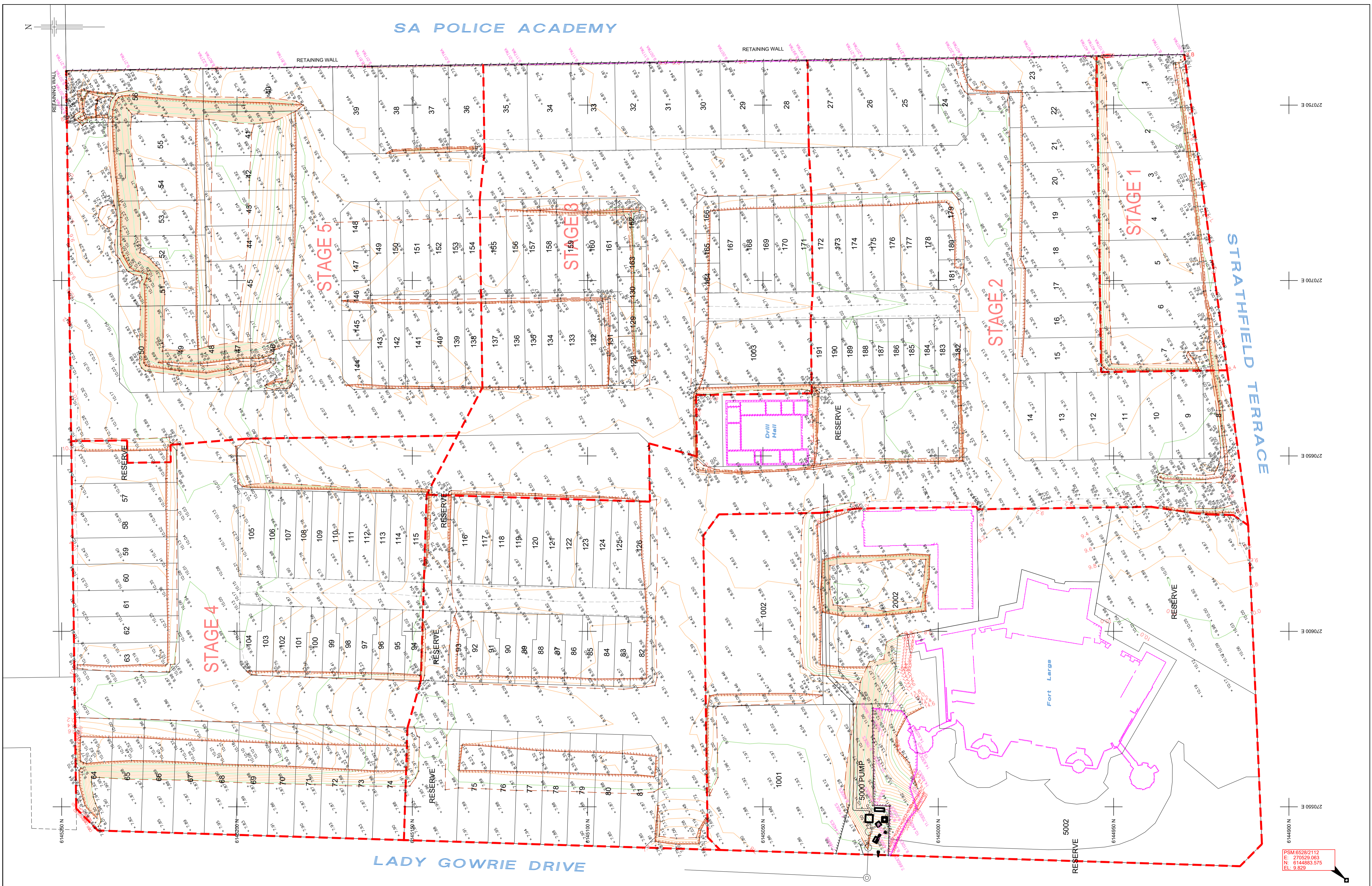
 Approx. Fill Location



Drawn:	LG	Date:	22.03.2024
Checked:	DM	Date:	22.03.2024
Revision:		Date:	
Scale:	NTS		A4

T&J CONSTRUCTIONS FORT LARGS STAGE 5 TAPEROO SITE PLAN			
		Project No.:	SMS1.23475
		Drawing No.:	SMS1.23475-F1.Rev0

SA POLICE ACADEMY



270750 E
270700 E
270650 E
270600 E
270550 E

PSM 6529/2112
E: 270529.083
N: 6144883.575
EL: 9.829

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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

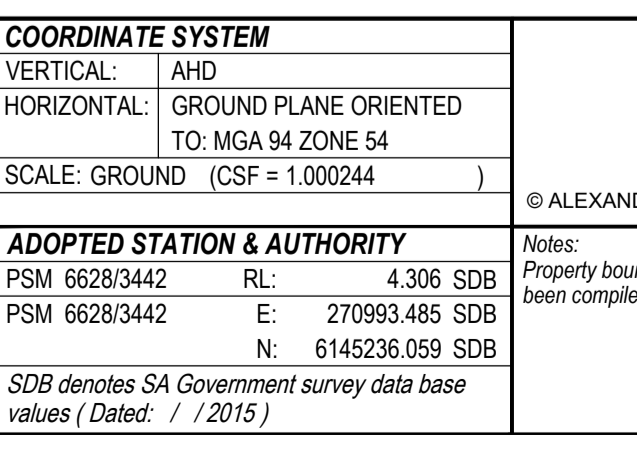
COORDINATE SYSTEM

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)



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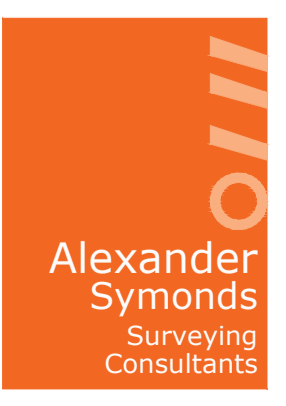
Notes: Property boundaries and easements shown hereon have been compiled from 20A1673CAD FORD Rev F.dwg

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DRAWN: JJK 13/05/2022
CHECKED: RES 13/05/2022

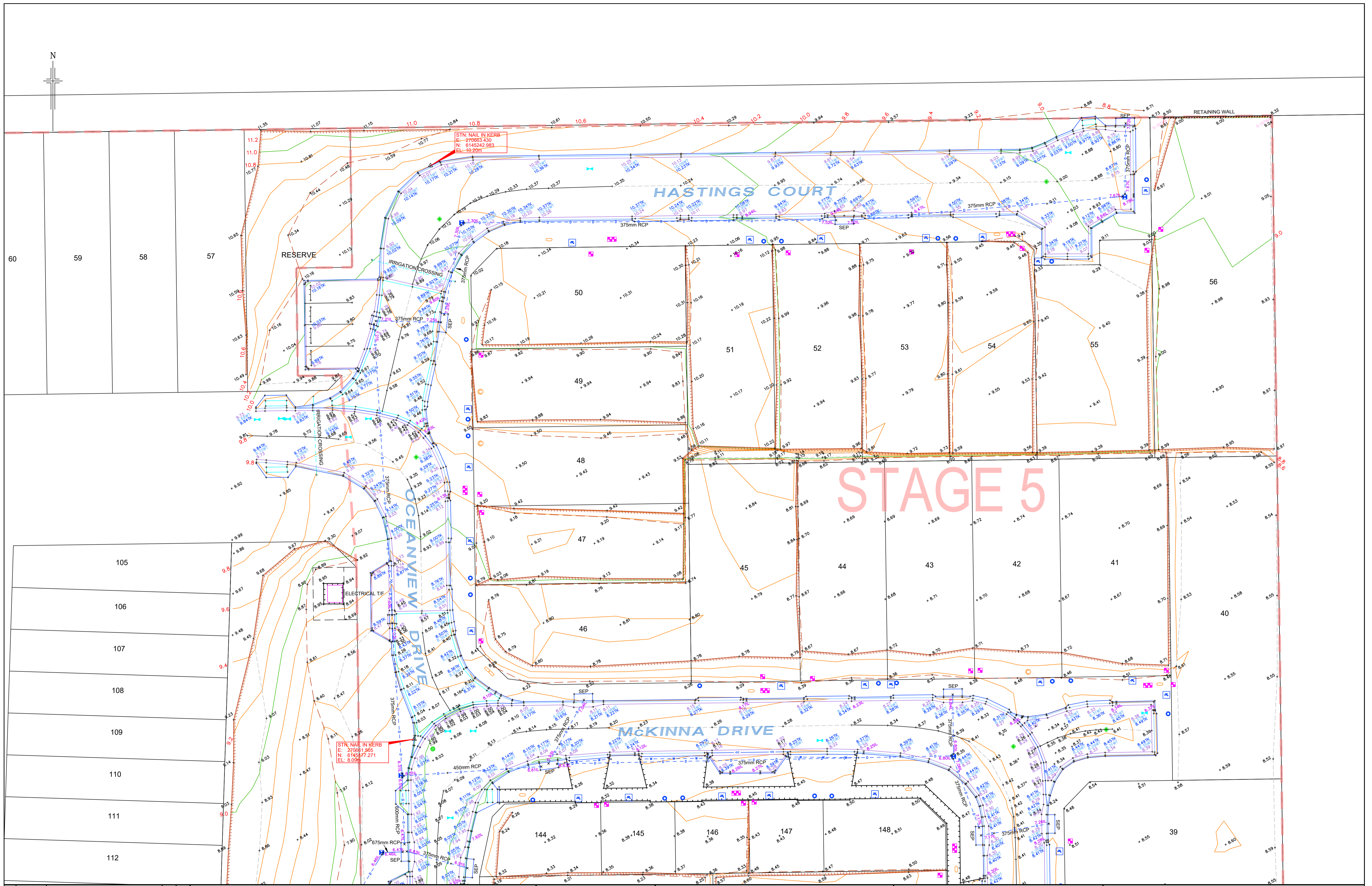
Alexander & Symonds Pty Ltd
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South Australia 5067
PO Box 1000 Kent Town, SA 5071
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+ Spatial Information Management +



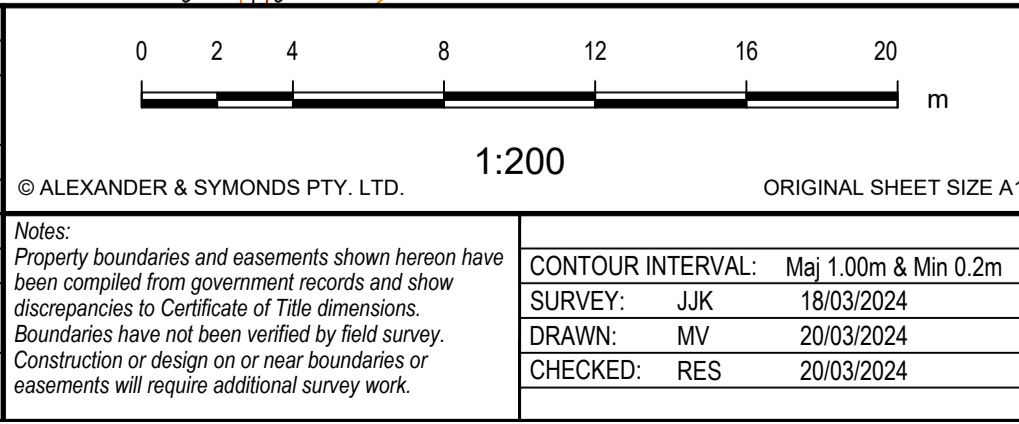
**BULK EARTHWORKS
FORT LARGS
TAPEROO**



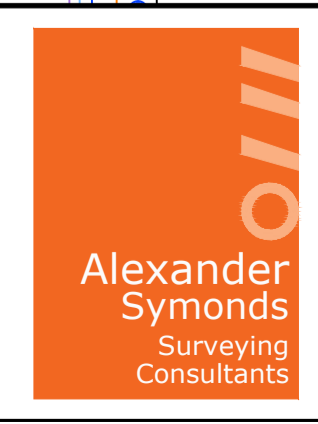
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REV	DATE	DESCRIPTION	CALC	FIELD
ADDITIONS, AMENDMENTS AND APPROVALS				

LEGEND	
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<ul style="list-style-type: none"> EDGE OF VEGETATION ROAD SIGN / HOARD TREE / SHRUB REGULATED SIGNIFICANT TREE 	<ul style="list-style-type: none"> EDGE OF VEGETATION ROAD SIGN / HOARD TREE / SHRUB REGULATED SIGNIFICANT TREE CONCRETE FENCE GATE

COORDINATE SYSTEM	
VERTICAL:	AHD
HORIZONTAL:	GROUND PLANE ORIENTED TO: MGA 94 ZONE 54
SCALE:	GROUND (CSF = 1.000244)
ADOPTED STATION & AUTHORITY	
PSM 6527/3442	RL: 4.306 SDB
PSM 6528/3442	E: 270993.485 SDB
	N: 6145263.059 SDB
SDB denotes SA Government survey data base values (Dated: / / 2015)	



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+ Property + Land Development +	
+ Construction + Mining +	
+ Spatial Information Management +	



**SUBDIVISION AS CONSTRUCTED
STAGE 5 FORT LARGS
TAPEROO**

DRAWING No. 20A1673.C0005 Stage 5 Subdivision Ascon (A) SHEET 1 OF 2 REVISION A