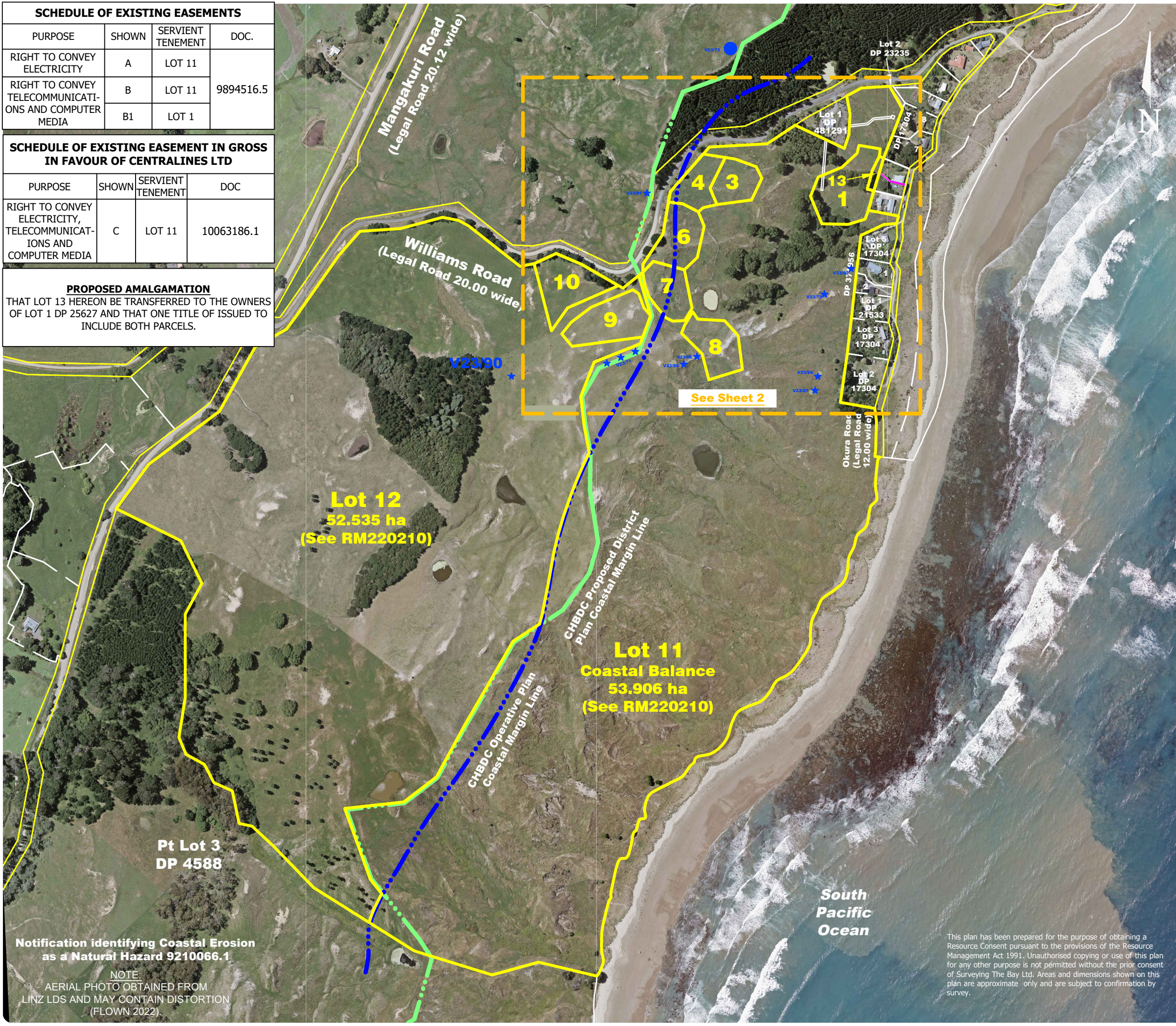


SCHEDULE OF EXISTING EASEMENTS			
PURPOSE	SHOWN	SERVIENT TENEMENT	DOC.
RIGHT TO CONVEY ELECTRICITY	A	LOT 11	9894516.5
RIGHT TO CONVEY TELECOMMUNICATIONS AND COMPUTER MEDIA	B	LOT 11	
	B1	LOT 1	

SCHEDULE OF EXISTING EASEMENT IN GROSS IN FAVOUR OF CENTRALINES LTD			
PURPOSE	SHOWN	SERVIENT TENEMENT	DOC
RIGHT TO CONVEY ELECTRICITY, TELECOMMUNICATIONS AND COMPUTER MEDIA	C	LOT 11	10063186.1

PROPOSED AMALGAMATION
 THAT LOT 13 HEREON BE TRANSFERRED TO THE OWNERS OF LOT 1 DP 25627 AND THAT ONE TITLE OF ISSUED TO INCLUDE BOTH PARCELS.



LOCAL AUTHORITY	: CENTRAL HAWKES BAY DISTRICT
ZONING	: RURAL
TOTAL AREA	: 111.9000 ha
COMPRISED IN	: RT 674477
REGISTERED OWNERS	: SR & BJ WILLIAMS CHARITABLE TRUST BOARD

PROPOSED EASEMENTS			
PURPOSE	SHOWN	SERVIENT TENEMENT	DOMINANT TENEMENT
RIGHT OF WAY, RIGHTS TO DRAIN WATER & RIGHTS TO CONVEY ELECTRICITY & TELECOMMUNICATIONS	D	LOT 11	LOTS 7-10 & 12
	E	LOT 12	LOTS 7-11
	F	LOT 12	LOT 10
	G	LOT 11	LOT 8
	H	LOT 4	LOTS 3 & 11
RIGHT TO DRAIN WATER	I	LOT 4	LOT 3
	J	LOT 11	LOT 1
RIGHT TO DRAIN WATER	K	LOT 1	LOT 11
	K1	LOT 13	LOTS 1 & 11

NOTE:
 THERE ARE NO LOTS 2 & 5 ON THIS PLAN

CLIENT:
 SR & BJ WILLIAMS CHARITABLE TRUST BOARD

PROJECT:
 PROPOSED SUBDIVISION OF LOT 2 DP 481291
 402 MANGAKURI ROAD, MANGAKURI

SURVEYING THE BAY
 HAWKES BAY | NEW ZEALAND

PO Box 611, Hastings, NZ
 Phone: +64 6 870 4048 or 0800 787 842
 Fax: +64 6 870 4042
 info@surveyingthebay.co.nz
 www.surveyingthebay.co.nz

TITLE:
 SUBDIVISION CONSENT PLAN

SCALE: 1: 6,000 @ A3
DATE: AUGUST 2023 **DRAWN BY:** PT & AM

DRAWING NO: 4698-29 **REVISION:** - **SHEET:** 1/2

Notification identifying Coastal Erosion as a Natural Hazard 9210066.1

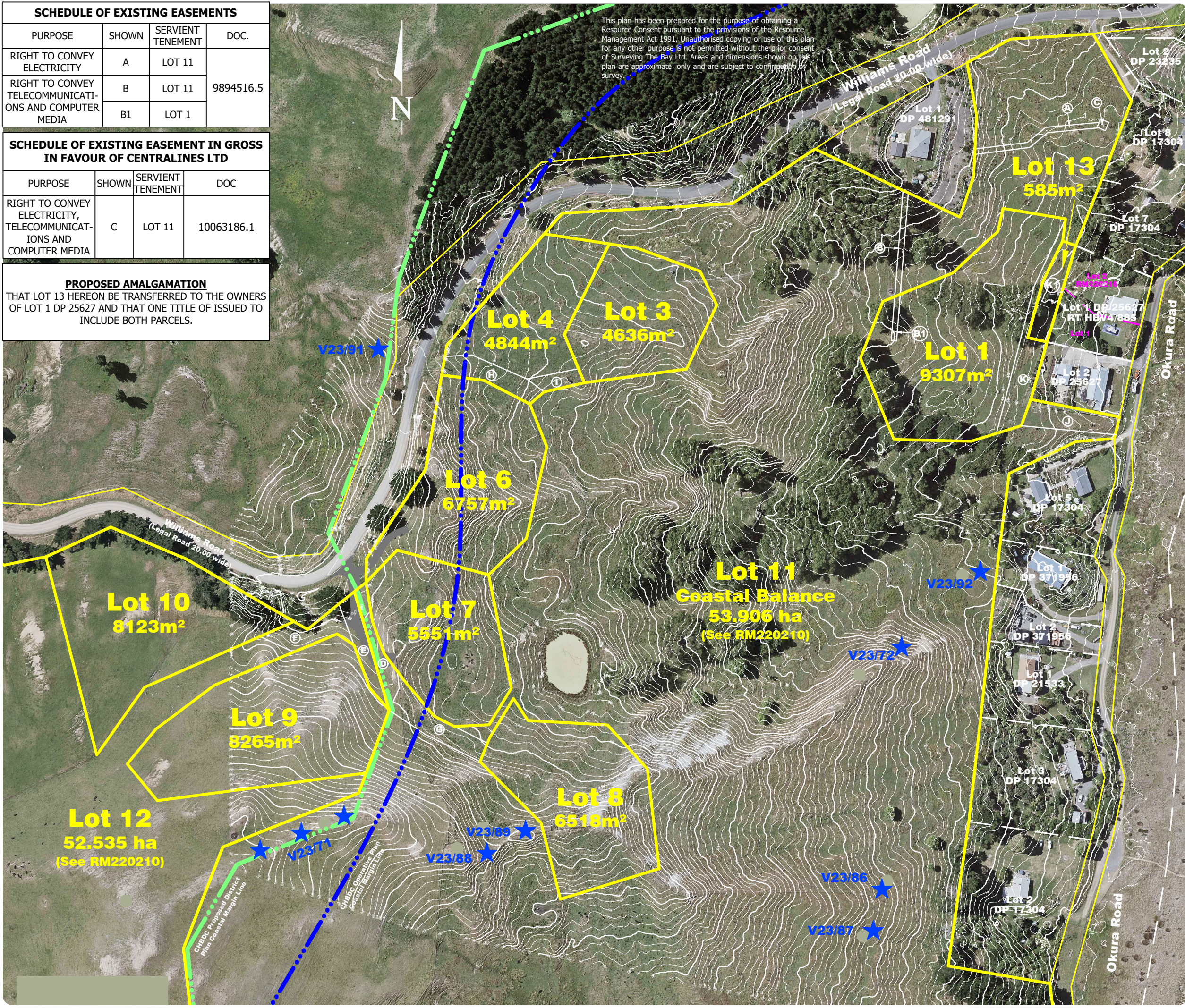
NOTE:
 AERIAL PHOTO OBTAINED FROM LINZ LDS AND MAY CONTAIN DISTORTION (FLOWN 2022).

This plan has been prepared for the purpose of obtaining a Resource Consent pursuant to the provisions of the Resource Management Act 1991. Unauthorised copying or use of this plan for any other purpose is not permitted without the prior consent of Surveying The Bay Ltd. Areas and dimensions shown on this plan are approximate only and are subject to confirmation by survey.

SCHEDULE OF EXISTING EASEMENTS			
PURPOSE	SHOWN	SERVIENT TENEMENT	DOC.
RIGHT TO CONVEY ELECTRICITY	A	LOT 11	9894516.5
RIGHT TO CONVEY TELECOMMUNICATIONS AND COMPUTER MEDIA	B	LOT 11	
	B1	LOT 1	

SCHEDULE OF EXISTING EASEMENT IN GROSS IN FAVOUR OF CENTRALINES LTD			
PURPOSE	SHOWN	SERVIENT TENEMENT	DOC
RIGHT TO CONVEY ELECTRICITY, TELECOMMUNICATIONS AND COMPUTER MEDIA	C	LOT 11	10063186.1

PROPOSED AMALGAMATION
 THAT LOT 13 HEREON BE TRANSFERRED TO THE OWNERS OF LOT 1 DP 25627 AND THAT ONE TITLE OF ISSUED TO INCLUDE BOTH PARCELS.



LOCAL AUTHORITY	: CENTRAL HAWKES BAY DISTRICT
ZONING	: RURAL
TOTAL AREA	: 111.9000 ha
COMPRISED IN	: RT 674477
REGISTERED OWNERS	: SR & BJ WILLIAMS CHARITABLE TRUST BOARD

PROPOSED EASEMENTS			
PURPOSE	SHOWN	SERVIENT TENEMENT	DOMINANT TENEMENT
RIGHT OF WAY, RIGHTS TO DRAIN WATER & RIGHTS TO CONVEY ELECTRICITY & TELECOMMUNICATIONS	D	LOT 11	LOTS 7-10 & 12
	E	LOT 12	LOTS 7-11
	F	LOT 12	LOT 10
	G	LOT 11	LOT 8
ELECTRICITY & TELECOMMUNICATIONS	H	LOT 4	LOTS 3 & 11
	I	LOT 4	LOT 3
	J	LOT 11	LOT 1
RIGHT TO DRAIN WATER	K	LOT 1	LOT 11
	K1	LOT 13	LOTS 1 & 11

NOTE:
 THERE ARE NO LOTS 2 & 5 ON THIS PLAN

CLIENT:
 SR & BJ WILLIAMS CHARITABLE TRUST BOARD

PROJECT:
 PROPOSED SUBDIVISION OF LOT 2 DP 481291
 402 MANGAKURI ROAD, MANGAKURI

SURVEYING THE BAY
 HAWKES BAY | NEW ZEALAND

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 Fax: +64 6 870 4042
 info@surveyingthebay.co.nz
 www.surveyingthebay.co.nz

TITLE:
 SUBDIVISION CONSENT PLAN

SCALE: 1: 2,000 @ A3
DATE: AUGUST 2023 **DRAWN BY:** PT & AM

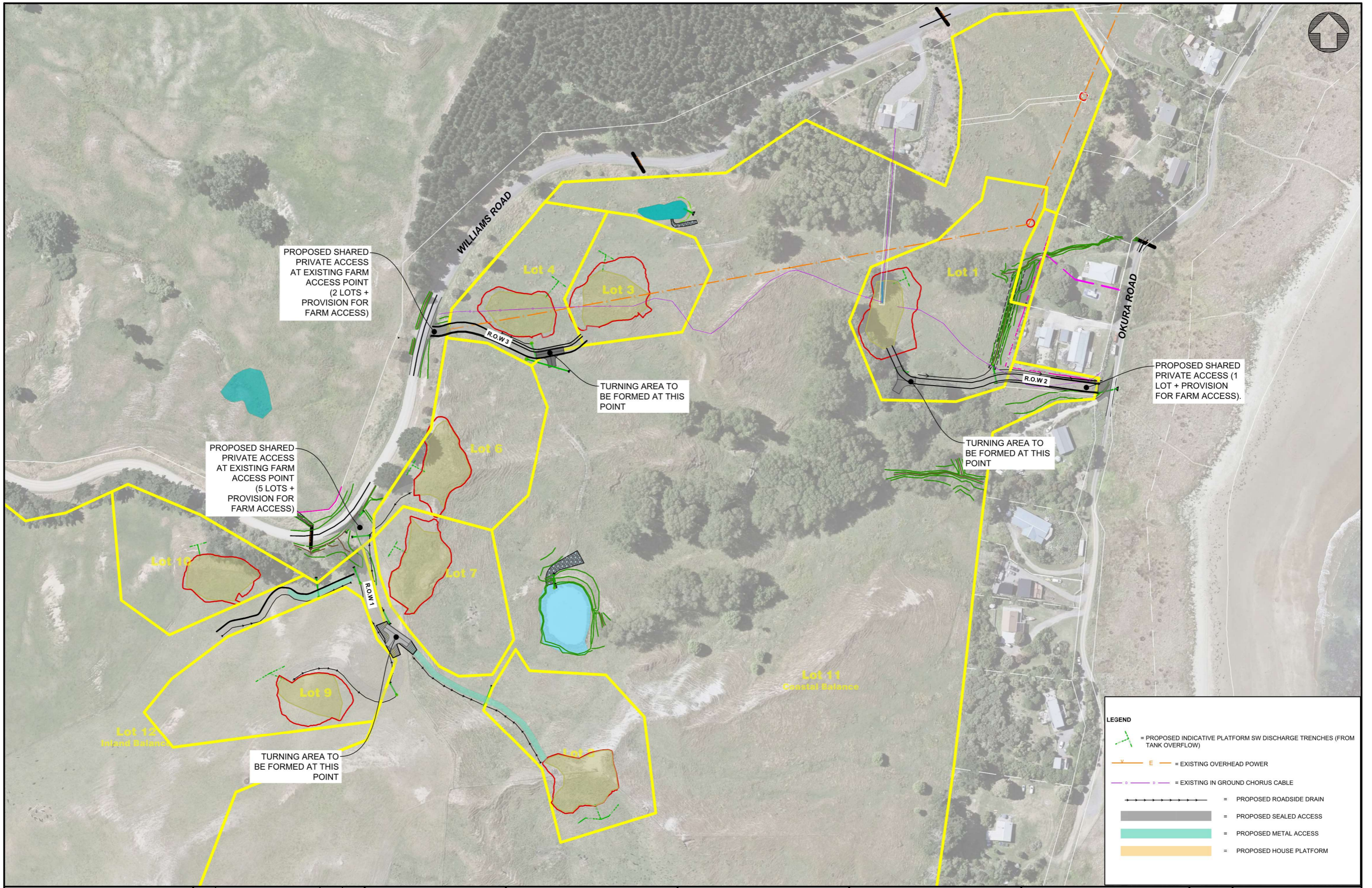
DRAWING NO: 4698-29 **REVISION:** - **SHEET:** 2/2

**SR & BJ WILLIAMS
CHARITABLE TRUST BOARD**

**MANGAKURI STATION
SUBDIVISION
402 MANGAKURI ROAD,
MANGAKURI**

**PROJECT NO. J5864
FOR RESOURCE CONSENT**

DRAWING SHEET LIST		
SHEET NO.	SHEET NAME	REV
J5864-C001	ACCESS OVERVIEW	2
J5864-C100	DESIGN SURFACE AND ACCESS LAYOUT OVERVIEW	2
J5864-C101	DESIGN SURFACE AND ACCESS LAYOUT ENLARGEMENT 1	2
J5864-C102	DESIGN SURFACE AND ACCESS LAYOUT ENLARGEMENT 2	2
J5864-C103	DESIGN SURFACE AND ACCESS LAYOUT ENLARGEMENT 3	2
J5864-C104	DESIGN SURFACE AND ACCESS LAYOUT ENLARGEMENT 4	2
J5864-C105	DESIGN SURFACE AND ACCESS LAYOUT ENLARGEMENT 5	3
J5864-C110	LONG SECTIONS PART 1	2
J5864-C111	LONG SECTIONS PART 2	2
J5864-C112	LONG SECTIONS PART 3	2
J5864-C150	CUT AND FILL PLAN OVERVIEW	3
J5864-C200	PRE-DEVELOPMENT STORMWATER CATCHMENT PLAN	2
J5864-C201	POST-DEVELOPMENT STORMWATER CATCHMENT PLAN	2
J5864-C210	STORMWATER VIEW	2
J5864-C300	WASTEWATER DISPOSAL FIELDS OVERVIEW	2
J5864-C500	DETAILS - PART 1	1
J5864-C501	DETAILS - PART 2	1



PROPOSED SHARED PRIVATE ACCESS AT EXISTING FARM ACCESS POINT (2 LOTS + PROVISION FOR FARM ACCESS)

TURNING AREA TO BE FORMED AT THIS POINT

PROPOSED SHARED PRIVATE ACCESS (1 LOT + PROVISION FOR FARM ACCESS)

PROPOSED SHARED PRIVATE ACCESS AT EXISTING FARM ACCESS POINT (5 LOTS + PROVISION FOR FARM ACCESS)

TURNING AREA TO BE FORMED AT THIS POINT

TURNING AREA TO BE FORMED AT THIS POINT

LEGEND

- = PROPOSED INDICATIVE PLATFORM SW DISCHARGE TRENCHES (FROM TANK OVERFLOW)
- = EXISTING OVERHEAD POWER
- = EXISTING IN GROUND CHORUS CABLE
- = PROPOSED ROADSIDE DRAIN
- = PROPOSED SEALED ACCESS
- = PROPOSED METAL ACCESS
- = PROPOSED HOUSE PLATFORM

SAFETY IN DESIGN

ALL REASONABLY PRACTICABLE STEPS HAVE BEEN TAKEN TO ENSURE SAFETY IN DESIGN HAS BEEN CONSIDERED WITHIN STRATA GROUP'S SCOPE OF WORK FOR THIS DESIGN IN ACCORDANCE WITH IPENZ PRACTICE NOTE 07 "DESIGN FOR SAFETY IN BUILDINGS AND OTHER STRUCTURES (JULY 2006)". IT REMAINS THE RESPONSIBILITY OF THE OWNER AND/OR OPERATOR TO ENSURE APPROPRIATE PRACTICES ARE IN PLACE TO PROTECT THE SAFETY OF THE WORKERS AND THE PUBLIC IN THE OPERATION OF THE FACILITY.

REV	REASON FOR ISSUE	DATE	BY
2	REVISED FOR RC	11/08/23	SG
1	RESOURCE CONSENT	30/11/22	SG

REV	REASON FOR ISSUE	DATE	BY
2	REVISED FOR RC	11/08/23	SG
1	RESOURCE CONSENT	30/11/22	SG

THE CONTRACTOR IS TO BE AWARE OF ALL INSPECTIONS TO BE MADE BY THE ENGINEER AS A REQUIREMENT OF THE PRODUCER STATEMENT PS4 CONSTRUCTION REVIEW DOCUMENTATION. THE ENGINEER WILL REQUIRE 24 HOURS PRIOR NOTIFICATION FOR ALL INSPECTIONS.

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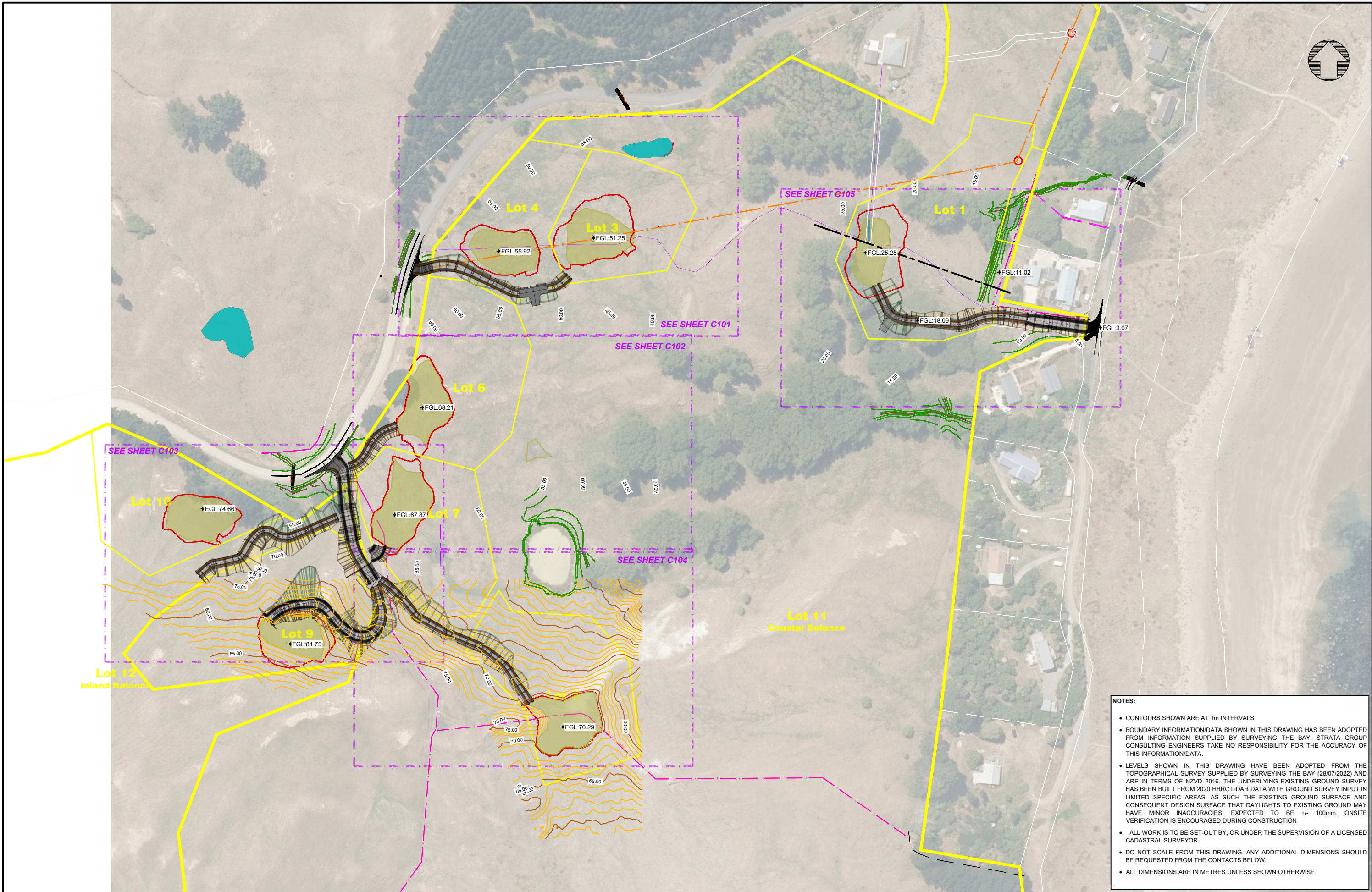
CLIENT: **SR & BJ WILLIAMS CHARITABLE TRUST BOARD**

PROJECT: **MANGAKURI STATION SUBDIVISION**
402 MANGAKURI ROAD, MANGAKURI

TITLE: **ACCESS OVERVIEW**

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DESIGNED SG	0 10 20 40 60
DRAWN SG	Full Size 1:1000 ; Half Size 1:2000
CHECKED RN	Scale (m)
DATE 11/08/23	
PROJECT NO.: J5864	SHEET: C001
	REVISION: 2
PRELIMINARY	
NOT FOR CONSTRUCTION	



- NOTES:**
- CONTOURS SHOWN ARE AT 1m INTERVALS
 - BOUNDARY INFORMATION/DATA SHOWN IN THIS DRAWING HAS BEEN ADOPTED FROM INFORMATION SUPPLIED BY SURVEYING THE BAY. STRATA GROUP CONSULTING ENGINEERS TAKE NO RESPONSIBILITY FOR THE ACCURACY OF THIS INFORMATION/DATA.
 - LEVELS SHOWN IN THIS DRAWING HAVE BEEN ADOPTED FROM THE TOPOGRAPHICAL SURVEY SUPPLIED BY SURVEYING THE BAY (28/07/2022) AND ARE IN TERMS OF NZVD 2016. THE UNDERLYING EXISTING GROUND SURVEY HAS BEEN BUILT FROM 2020 HBRC LIDAR DATA WITH GROUND SURVEY INPUT IN LIMITED SPECIFIC AREAS. AS SUCH THE EXISTING GROUND SURFACE AND CONSEQUENT DESIGN SURFACE THAT DAYLIGHTS TO EXISTING GROUND MAY HAVE MINOR INACCURACIES, EXPECTED TO BE +/- 100mm. ONSITE VERIFICATION IS ENCOURAGED DURING CONSTRUCTION
 - ALL WORK IS TO BE SET-OUT BY, OR UNDER THE SUPERVISION OF A LICENSED CADASTRAL SURVEYOR.
 - DO NOT SCALE FROM THIS DRAWING. ANY ADDITIONAL DIMENSIONS SHOULD BE REQUESTED FROM THE CONTACTS BELOW.
 - ALL DIMENSIONS ARE IN METRES UNLESS SHOWN OTHERWISE.

SAFETY IN DESIGN

ALL REASONABLY PRACTICABLE STEPS HAVE BEEN TAKEN TO ENSURE SAFETY IN DESIGN HAS BEEN CONSIDERED WITHIN STRATA GROUP'S SCOPE OF WORK FOR THIS DESIGN IN ACCORDANCE WITH IPENZ PRACTICE NOTE 07 "DESIGN FOR SAFETY IN BUILDINGS AND OTHER STRUCTURES (JULY 2008)". IT REMAINS THE RESPONSIBILITY OF THE OWNER AND/OR OPERATOR TO ENSURE APPROPRIATE PRACTICES ARE IN PLACE TO PROTECT THE SAFETY OF THE WORKERS AND THE PUBLIC IN THE OPERATION OF THE FACILITY.

REV	REASON FOR ISSUE	DATE	BY
2	REVISED FOR RC	10/08/23	SG
1	RESOURCE CONSENT	30/11/22	SG

REV	REASON FOR ISSUE	DATE	BY
2	REVISED FOR RC	10/08/23	SG
1	RESOURCE CONSENT	30/11/22	SG

THE CONTRACTOR IS TO BE AWARE OF ALL INSPECTIONS TO BE MADE BY THE ENGINEER AS A REQUIREMENT OF THE PRODUCER STATEMENT PS4 CONSTRUCTION REVIEW DOCUMENTATION. THE ENGINEER WILL REQUIRE 24 HOURS PRIOR NOTIFICATION FOR ALL INSPECTIONS.

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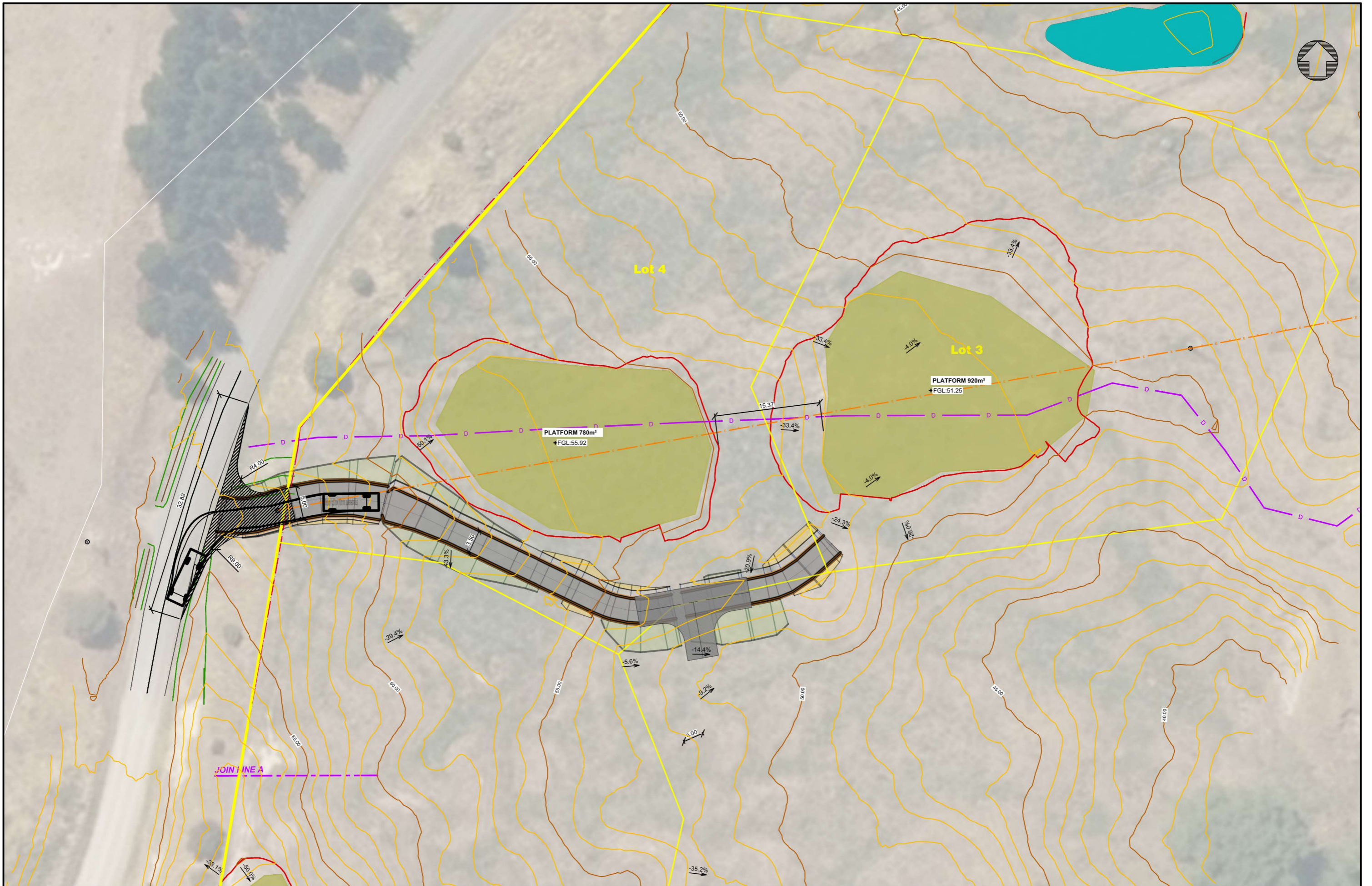
CLIENT: **SR & BJ WILLIAMS CHARITABLE TRUST BOARD**

PROJECT: **MANGAKURI STATION SUBDIVISION**
402 MANGAKURI ROAD,
MANGAKURI

TITLE: **DESIGN SURFACE AND ACCESS LAYOUT OVERVIEW**

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DESIGNED SG	0 10 20 40 60
DRAWN SG	Full Size 1:1000; Half Size 1:2000
CHECKED RN	Scale (m)
DATE 10/08/23	
PROJECT NO.: J5864	SHEET: C100
REVISION: 3	
PRELIMINARY	
NOT FOR CONSTRUCTION	



SAFETY IN DESIGN
 ALL REASONABLY PRACTICABLE STEPS HAVE BEEN TAKEN TO ENSURE SAFETY IN DESIGN HAS BEEN CONSIDERED WITHIN STRATA GROUP'S SCOPE OF WORK FOR THIS DESIGN IN ACCORDANCE WITH IPENZ PRACTICE NOTE 07 "DESIGN FOR SAFETY IN BUILDINGS AND OTHER STRUCTURES (JULY 2006)". IT REMAINS THE RESPONSIBILITY OF THE OWNER AND/OR OPERATOR TO ENSURE APPROPRIATE PRACTICES ARE IN PLACE TO PROTECT THE SAFETY OF THE WORKERS AND THE PUBLIC IN THE OPERATION OF THE FACILITY.

REV	REASON FOR ISSUE	DATE	BY
2	REVISED FOR RC	20/07/23	SG
1	RESOURCE CONSENT	30/11/22	SG

THE CONTRACTOR IS TO BE AWARE OF ALL INSPECTIONS TO BE MADE BY THE ENGINEER AS A REQUIREMENT OF THE PRODUCER STATEMENT. PS4 CONSTRUCTION REVIEW DOCUMENTATION. THE ENGINEER WILL REQUIRE 24 HOURS PRIOR NOTIFICATION FOR ALL INSPECTIONS.

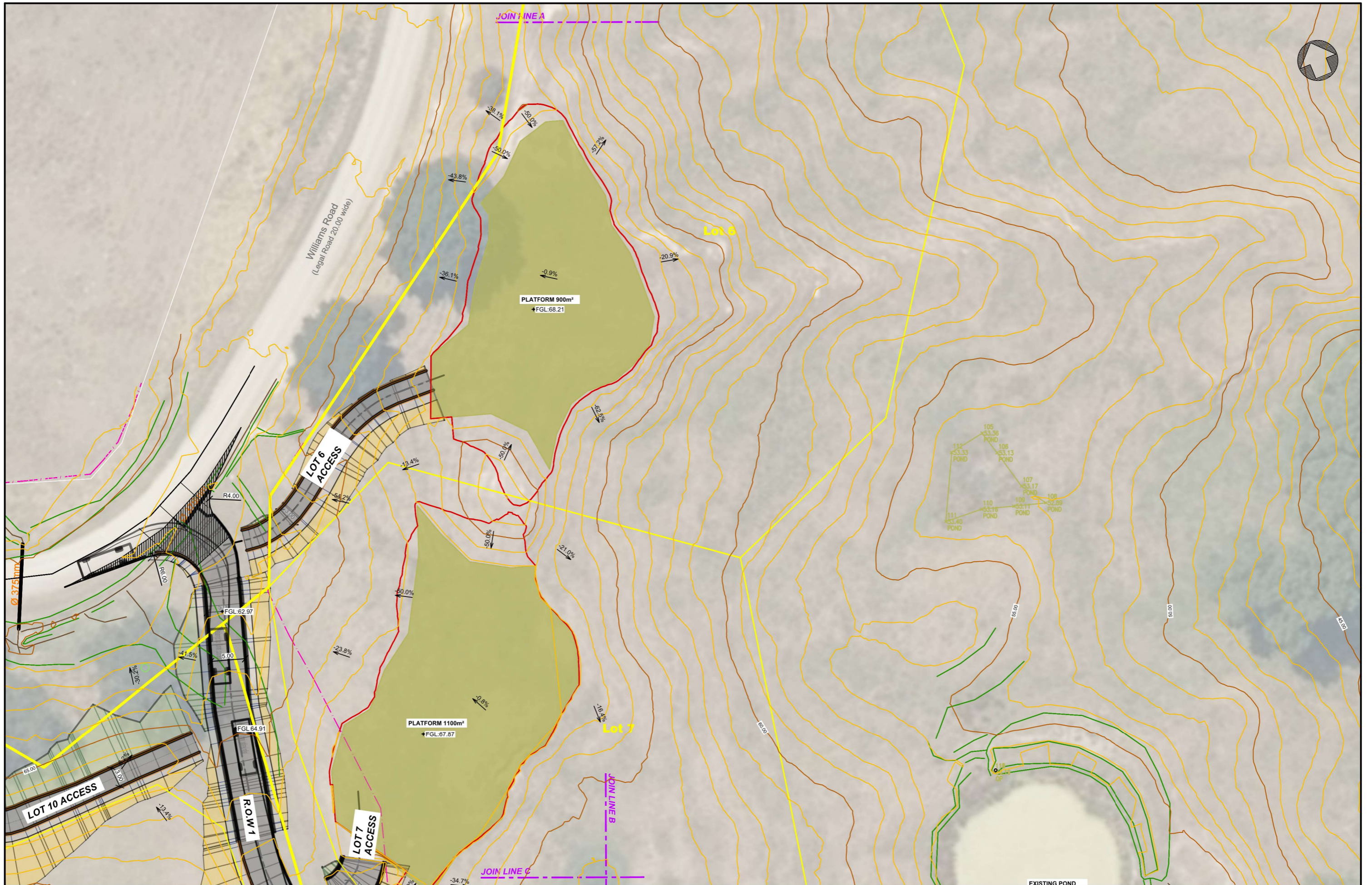
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CLIENT: **SR & BJ WILLIAMS CHARITABLE TRUST BOARD**

PROJECT: **MANGAKURI STATION SUBDIVISION**
 402 MANGAKURI ROAD,
 MANGAKURI

TITLE: **DESIGN SURFACE AND ACCESS LAYOUT ENLARGEMENT 1**

DESIGNED SG	0 2.5 5 10 15
DRAWN SG	Full Size 1:250 ; Half Size 1:500
CHECKED RN	Scale (m)
DATE 20/07/23	
PROJECT NO.:	SHEET: REVISION:
J5864	C101 2
PRELIMINARY	
NOT FOR CONSTRUCTION	



SAFETY IN DESIGN
 ALL REASONABLY PRACTICABLE STEPS HAVE BEEN TAKEN TO ENSURE SAFETY IN DESIGN HAS BEEN CONSIDERED WITHIN STRATA GROUP'S SCOPE OF WORK FOR THIS DESIGN IN ACCORDANCE WITH IPENZ PRACTICE NOTE 07 "DESIGN FOR SAFETY IN BUILDINGS AND OTHER STRUCTURES (JULY 2006)". IT REMAINS THE RESPONSIBILITY OF THE OWNER AND/OR OPERATOR TO ENSURE APPROPRIATE PRACTICES ARE IN PLACE TO PROTECT THE SAFETY OF THE WORKERS AND THE PUBLIC IN THE OPERATION OF THE FACILITY.

REV	REASON FOR ISSUE	DATE	BY
2	REVISED FOR RC	20/07/23	SG
1	RESOURCE CONSENT	30/11/22	SG

THE CONTRACTOR IS TO BE AWARE OF ALL INSPECTIONS TO BE MADE BY THE ENGINEER AS A REQUIREMENT OF THE PRODUCER STATEMENT. THE ENGINEER WILL REQUIRE 24 HOURS PRIOR NOTIFICATION FOR ALL INSPECTIONS.

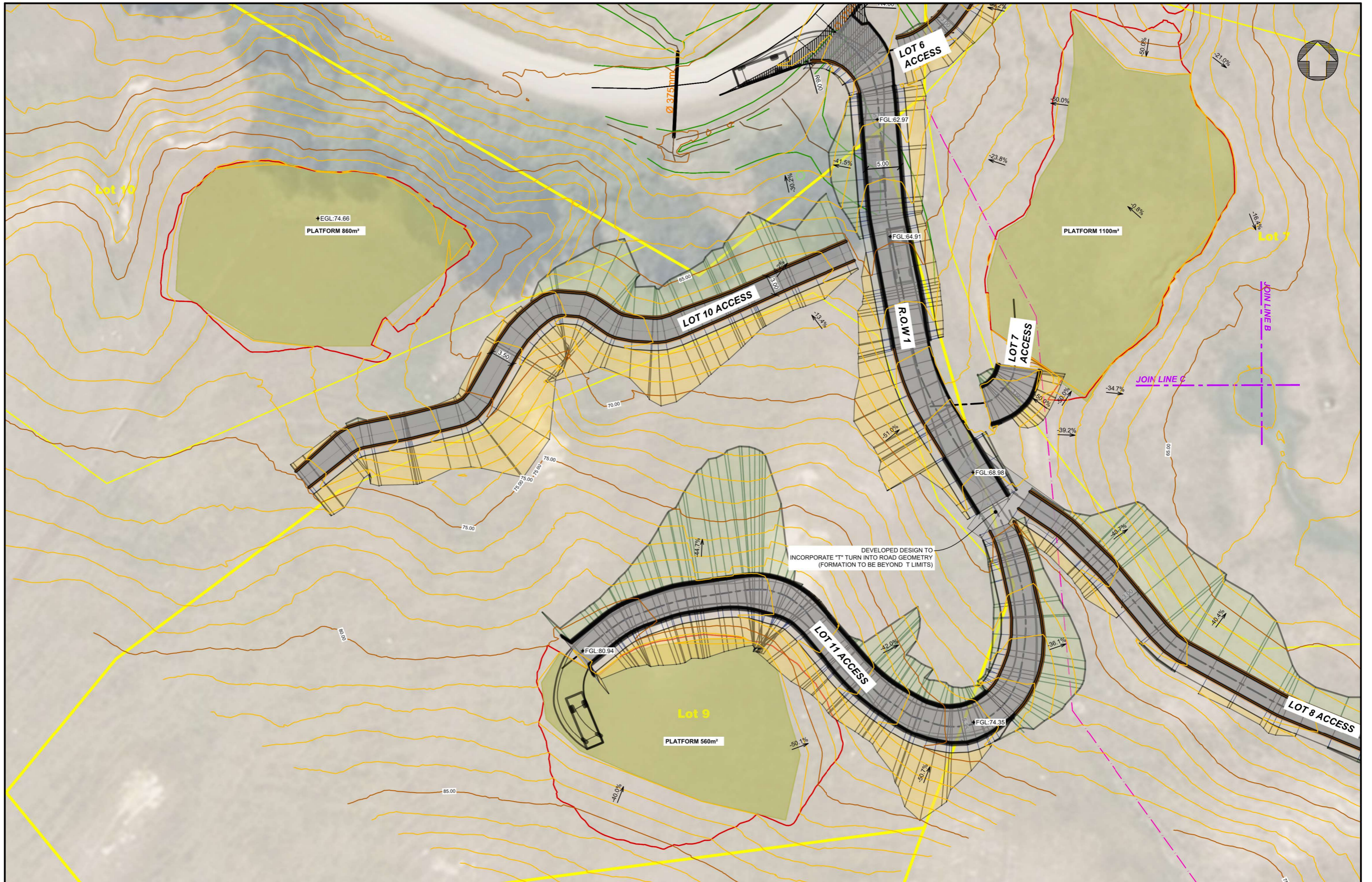
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CLIENT: **SR & BJ WILLIAMS CHARITABLE TRUST BOARD**

PROJECT: **MANGAKURI STATION SUBDIVISION**
 402 MANGAKURI ROAD,
 MANGAKURI

TITLE: **DESIGN SURFACE AND ACCESS LAYOUT ENLARGEMENT 2**

DESIGNED SG	0	2.5	5	10	15
DRAWN SG	Full Size 1:250 ; Half Size 1:500 Scale (m)				
CHECKED RN	PROJECT NO. J5864 SHEET C102 REVISION: 2				
DATE 20/07/23	PRELIMINARY NOT FOR CONSTRUCTION				



SAFETY IN DESIGN

ALL REASONABLY PRACTICABLE STEPS HAVE BEEN TAKEN TO ENSURE SAFETY IN DESIGN HAS BEEN CONSIDERED WITHIN STRATA GROUP'S SCOPE OF WORK FOR THIS DESIGN IN ACCORDANCE WITH IPENZ PRACTICE NOTE 07 "DESIGN FOR SAFETY IN BUILDINGS AND OTHER STRUCTURES (JULY 2006)". IT REMAINS THE RESPONSIBILITY OF THE OWNER AND/OR OPERATOR TO ENSURE APPROPRIATE PRACTICES ARE IN PLACE TO PROTECT THE SAFETY OF THE WORKERS AND THE PUBLIC IN THE OPERATION OF THE FACILITY.

REV	REASON FOR ISSUE	DATE	BY
2	REVISED FOR RC	28/07/23	SG
1	RESOURCE CONSENT	30/11/22	SG

REV	REASON FOR ISSUE	DATE	BY
2	REVISED FOR RC	28/07/23	SG
1	RESOURCE CONSENT	30/11/22	SG

THE CONTRACTOR IS TO BE AWARE OF ALL INSPECTIONS TO BE MADE BY THE ENGINEER AS A REQUIREMENT OF THE PRODUCER STATEMENT. PS4 CONSTRUCTION REVIEW DOCUMENTATION. THE ENGINEER WILL REQUIRE 24 HOURS PRIOR NOTIFICATION FOR ALL INSPECTIONS.

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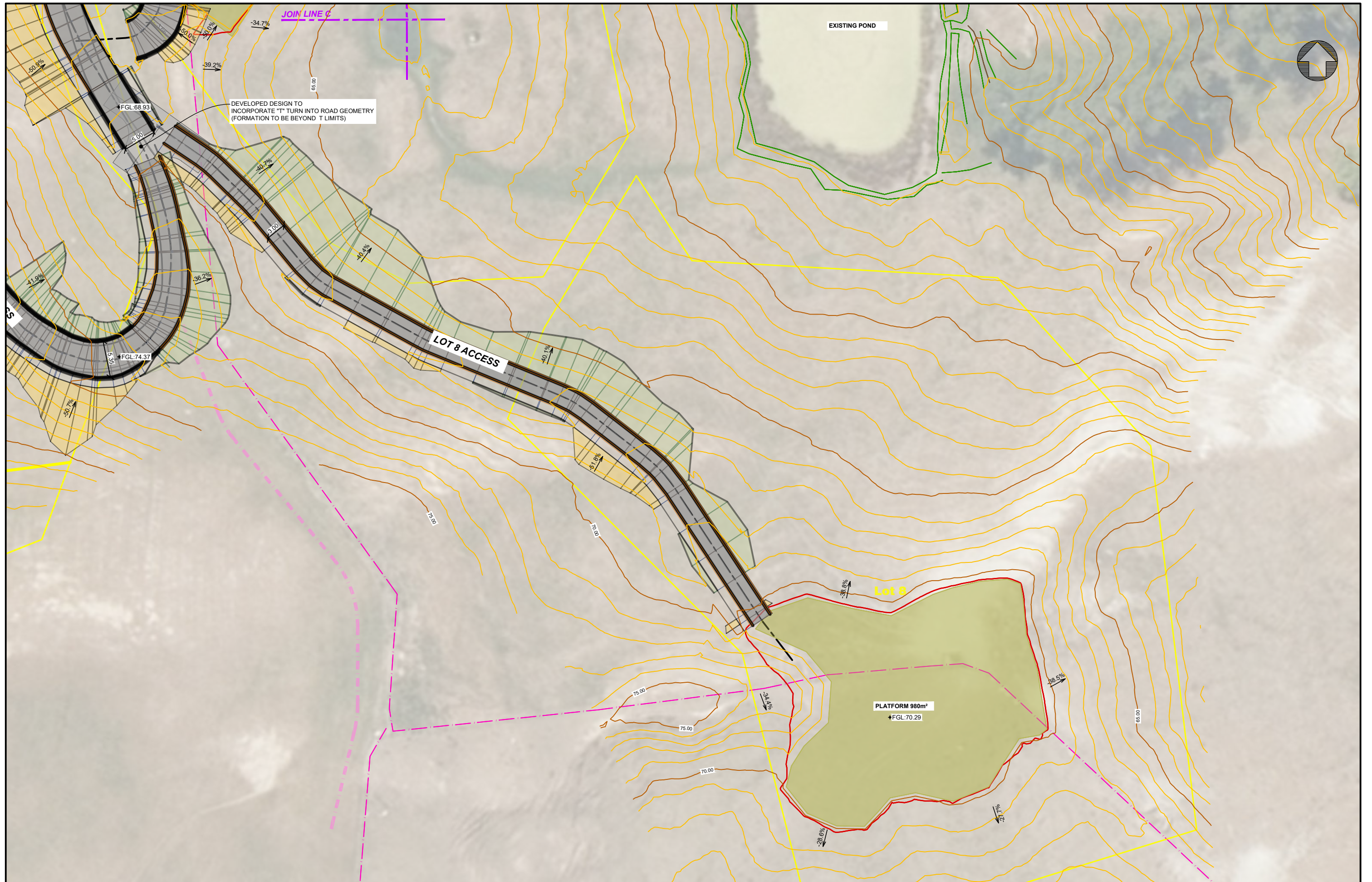
CLIENT: **SR & BJ WILLIAMS CHARITABLE TRUST BOARD**

PROJECT: **MANGAKURI STATION SUBDIVISION**
402 MANGAKURI ROAD,
MANGAKURI

TITLE: **DESIGN SURFACE AND ACCESS LAYOUT ENLARGEMENT 3**

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DESIGNED SG	0 2.5 5 10 15
DRAWN SG	Full Size 1:250 ; Half Size 1:500
CHECKED RN	Scale (m)
DATE 28/07/23	
PROJECT NO. J5864	SHEET C103
	REVISION: 2
PRELIMINARY	
NOT FOR CONSTRUCTION	



SAFETY IN DESIGN

ALL REASONABLY PRACTICABLE STEPS HAVE BEEN TAKEN TO ENSURE SAFETY IN DESIGN HAS BEEN CONSIDERED WITHIN STRATA GROUP'S SCOPE OF WORK FOR THIS DESIGN IN ACCORDANCE WITH IPENZ PRACTICE NOTE 07 "DESIGN FOR SAFETY IN BUILDINGS AND OTHER STRUCTURES (JULY 2008)". IT REMAINS THE RESPONSIBILITY OF THE OWNER AND/OR OPERATOR TO ENSURE APPROPRIATE PRACTICES ARE IN PLACE TO PROTECT THE SAFETY OF THE WORKERS AND THE PUBLIC IN THE OPERATION OF THE FACILITY.

REV	REASON FOR ISSUE	DATE	BY
2	REVISED FOR RC	10/08/23	SG
1	RESOURCE CONSENT	30/11/22	SG

DESIGNED	DRAWN	CHECKED	DATE
SG	SG	RN	10/08/23

THE CONTRACTOR IS TO BE AWARE OF ALL INSPECTIONS TO BE MADE BY THE ENGINEER AS A REQUIREMENT OF THE PRODUCER STATEMENT. THE ENGINEER WILL REQUIRE 24 HOURS PRIOR NOTIFICATION FOR ALL INSPECTIONS.

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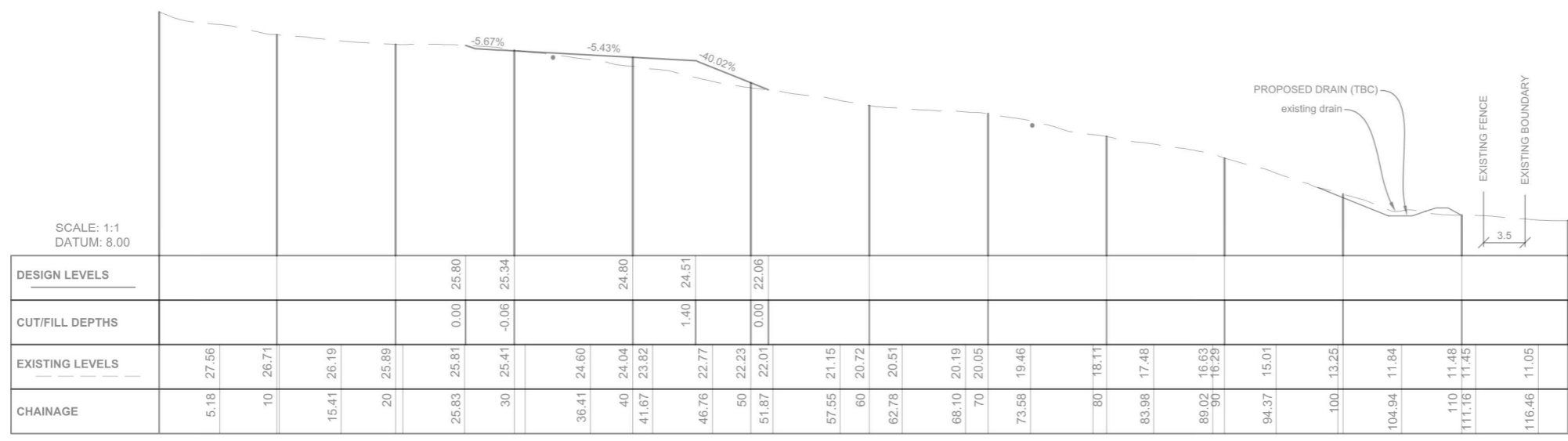
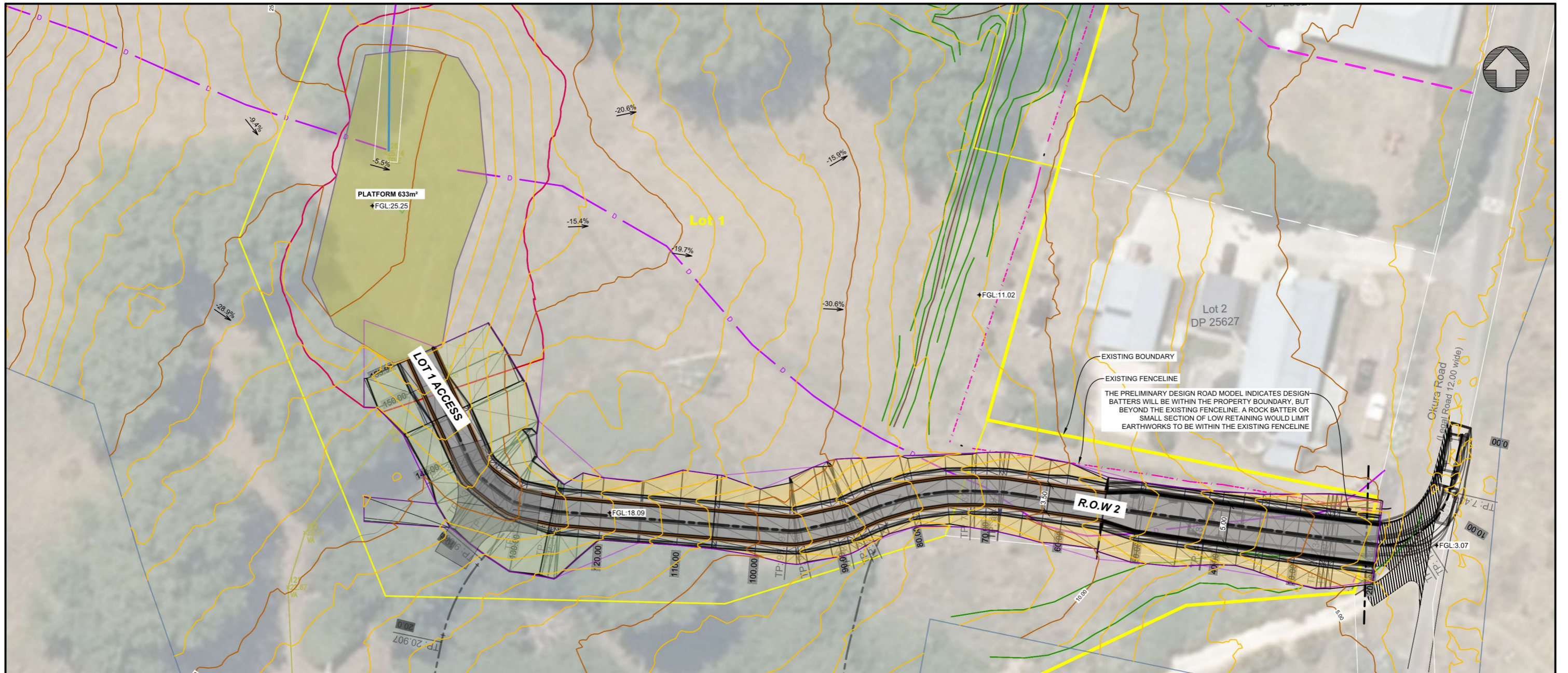
CLIENT: **SR & BJ WILLIAMS CHARITABLE TRUST BOARD**

PROJECT: **MANGAKURI STATION SUBDIVISION**
402 MANGAKURI ROAD,
MANGAKURI

TITLE: **DESIGN SURFACE AND ACCESS LAYOUT ENLARGEMENT 4**

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DESIGNED SG	0	2.5	5	10	15
DRAWN SG	Full Size 1:250 ; Half Size 1:500				
CHECKED RN	Scale (m)				
DATE 10/08/23					
PROJECT NO. J5864	SHEET C104	REVISION 2			
PRELIMINARY					
NOT FOR CONSTRUCTION					



LOT 1 SECTION LONG SECTION

SAFETY IN DESIGN

ALL REASONABLY PRACTICABLE STEPS HAVE BEEN TAKEN TO ENSURE SAFETY IN DESIGN HAS BEEN CONSIDERED WITHIN STRATA GROUP'S SCOPE OF WORK FOR THIS DESIGN IN ACCORDANCE WITH IPENZ PRACTICE NOTE 07 'DESIGN FOR SAFETY IN BUILDINGS AND OTHER STRUCTURES (JULY 2006)'. IT REMAINS THE RESPONSIBILITY OF THE OWNER AND/OR OPERATOR TO ENSURE APPROPRIATE PRACTICES ARE IN PLACE TO PROTECT THE SAFETY OF THE WORKERS AND THE PUBLIC IN THE OPERATION OF THE FACILITY.

REV	REASON FOR ISSUE	DATE	BY
3	REVISED FOR RC	20/07/23	SG
2	REVISED FOR RC	13/02/23	SG
1	RESOURCE CONSENT	30/11/22	SG

DESIGNED	DRAWN	CHECKED	DATE
SG	SG	RN	20/07/23

THE CONTRACTOR IS TO BE AWARE OF ALL INSPECTIONS TO BE MADE BY THE ENGINEER AS A REQUIREMENT OF THE PRODUCER STATEMENT. PS4 CONSTRUCTION REVIEW DOCUMENTATION. THE ENGINEER WILL REQUIRE 24 HOURS PRIOR NOTIFICATION FOR ALL INSPECTIONS.

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Structural Fire Civil Project Management

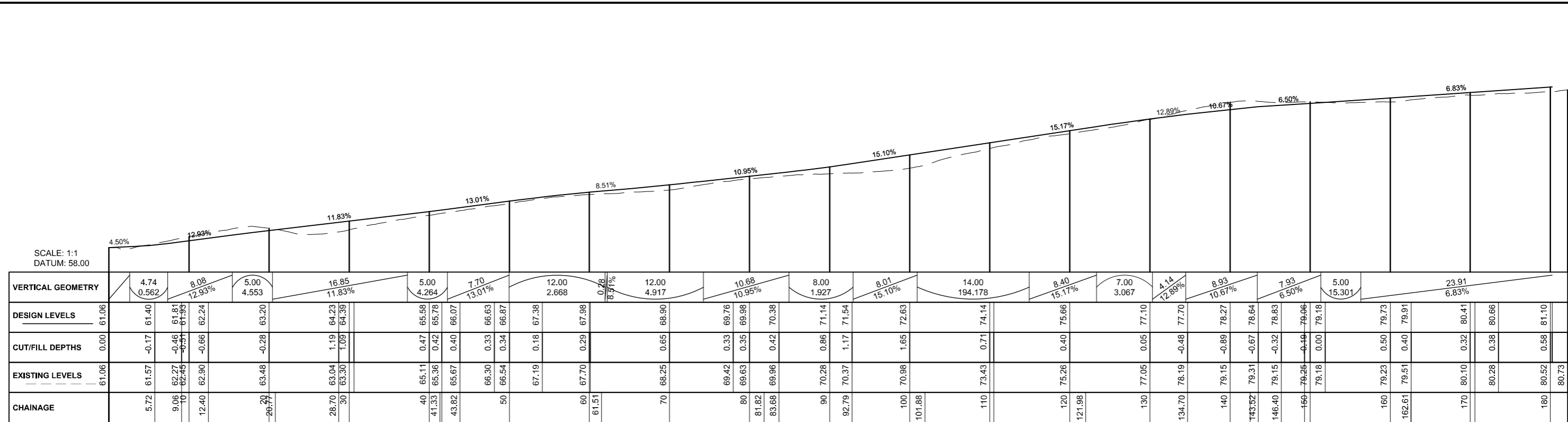
CLIENT: **SR & BJ WILLIAMS CHARITABLE TRUST BOARD**

PROJECT: **MANGAKURI STATION SUBDIVISION**
402 MANGAKURI ROAD, MANGAKURI

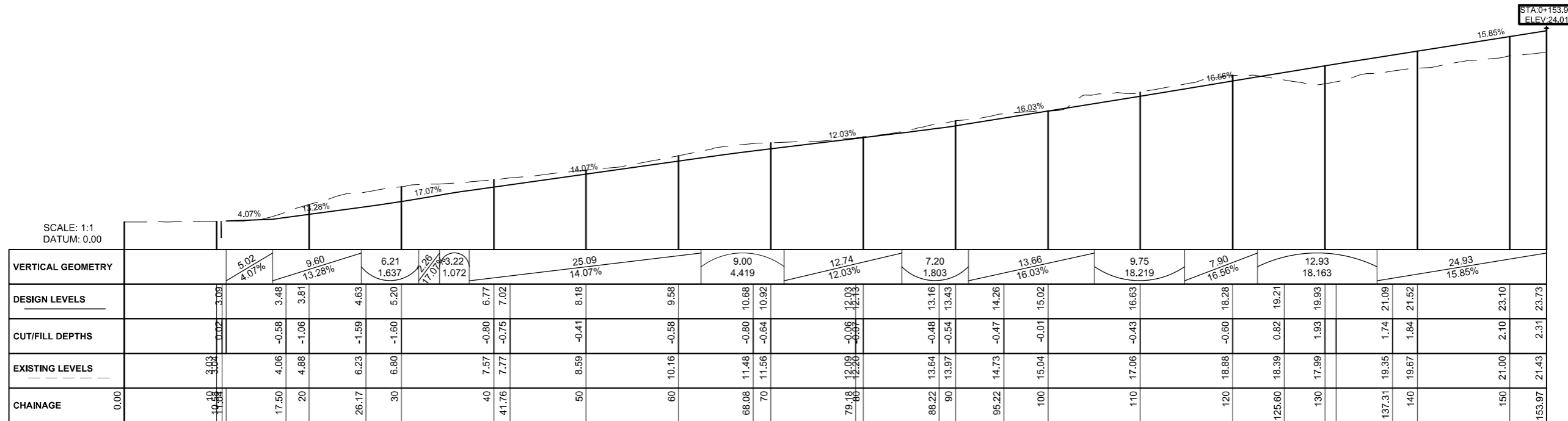
TITLE: **DESIGN SURFACE AND ACCESS LAYOUT ENLARGEMENT 5**

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DESIGNED SG	0 2.5 5 10 15
DRAWN SG	Full Size 1:250 ; Half Size 1:500
CHECKED RN	Scale (m)
DATE 20/07/23	
PROJECT NO. J5864	SHEET C105
	REVISION: 3
PRELIMINARY	
NOT FOR CONSTRUCTION	

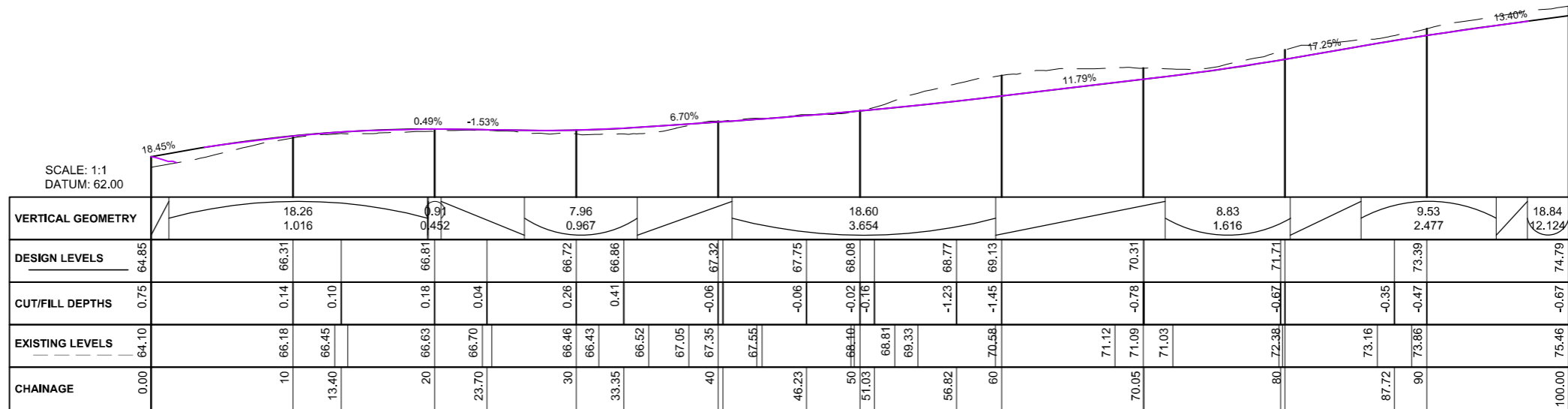


ROW1 LONG SECTION



ROW2 LONG SECTION

SAFETY IN DESIGN ALL REASONABLY PRACTICABLE STEPS HAVE BEEN TAKEN TO ENSURE SAFETY IN DESIGN HAS BEEN CONSIDERED WITHIN STRATA GROUP'S SCOPE OF WORK FOR THIS DESIGN IN ACCORDANCE WITH IPENZ PRACTICE NOTE 07 "DESIGN FOR SAFETY IN BUILDINGS AND OTHER STRUCTURES (JULY 2006)". IT REMAINS THE RESPONSIBILITY OF THE OWNER AND/OR OPERATOR TO ENSURE APPROPRIATE PRACTICES ARE IN PLACE TO PROTECT THE SAFETY OF THE WORKERS AND THE PUBLIC IN THE OPERATION OF THE FACILITY.	2 REVISED FOR RC 28/07/23 SG	THE CONTRACTOR IS TO BE AWARE OF ALL INSPECTIONS TO BE MADE BY THE ENGINEER AS A REQUIREMENT OF THE PRODUCER STATEMENT PS4 CONSTRUCTION REVIEW DOCUMENTATION. THE ENGINEER WILL REQUIRE 24 HOURS PRIOR NOTIFICATION FOR ALL INSPECTIONS.	 P 06 876 7646 F 06 876 7645 www.stratagroup.net.nz PO BOX 758 Business HQ 1/308 Queen Street East Hastings, New Zealand	CLIENT: SR & BJ WILLIAMS CHARITABLE TRUST BOARD	PROJECT: MANGAKURI STATION SUBDIVISION 402 MANGAKURI ROAD, MANGAKURI	TITLE: LONG SECTIONS PART 1	DESIGNED SG DRAWN SG CHECKED RN DATE 28/07/23	0 2.5 5 10 15 Full Size 1:250 ; Half Size 1:500 Scale (m)	PROJECT NO.: J5864 SHEET: C110 REVISION: 2
	1 FOR RESOURCE CONSENT 28/09/22 SG						1 REASON FOR ISSUE DATE BY	This drawing and its contents are the property of Strata Group Consulting Engineers Ltd. Any unauthorized employment or reproduction in full or part is forbidden.	PRELIMINARY NOT FOR CONSTRUCTION



LOT 10 ACCESS LONG SECTION

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2	REVISED FOR RC	28/07/23	SG
1	FOR RESOURCE CONSENT	28/09/22	SG

DESIGNED	DRAWN	CHECKED	DATE
SG	SG	RN	28/07/23

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Structural Fire Civil Project Management

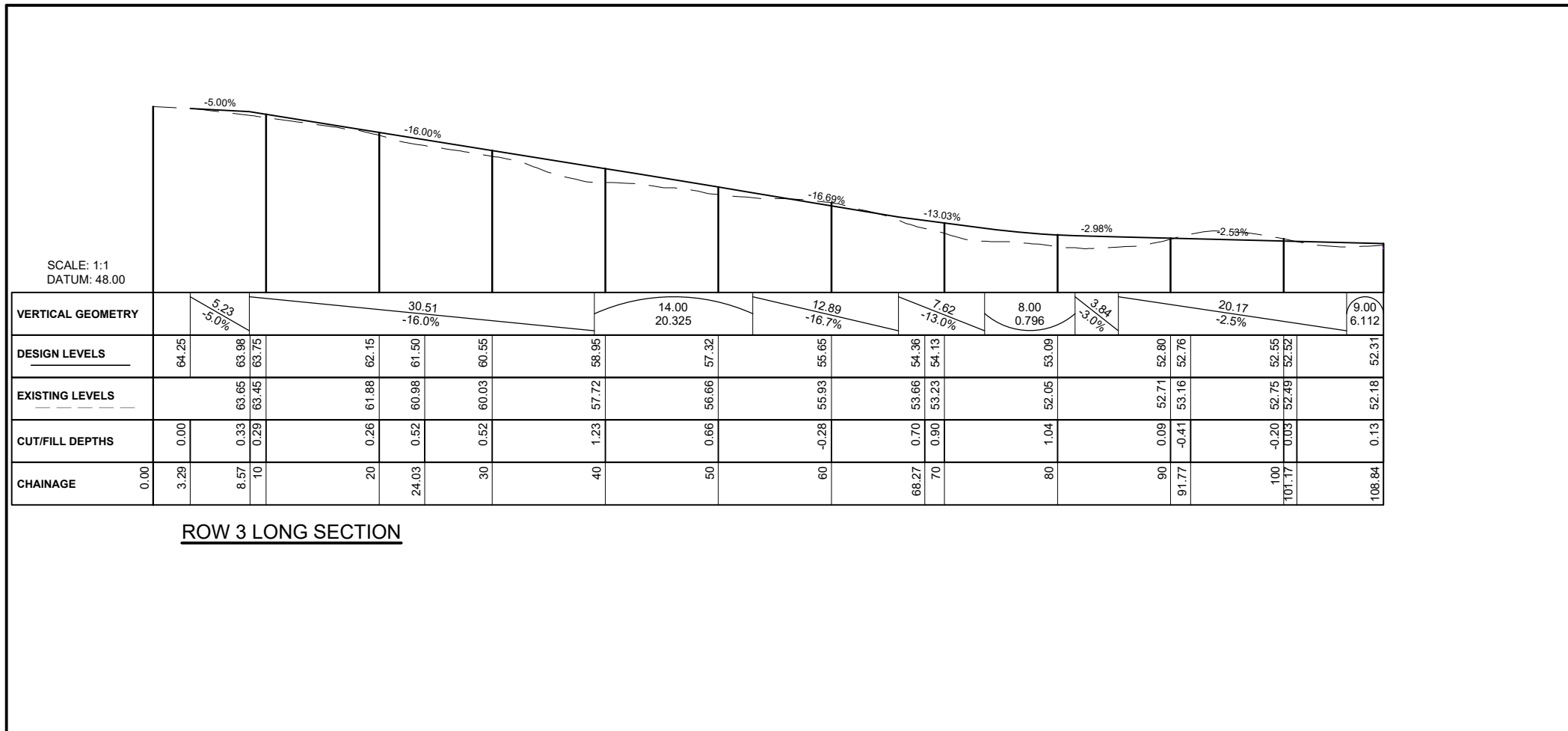
CLIENT: **SR & BJ WILLIAMS CHARITABLE TRUST BOARD**

PROJECT: **MANGAKURI STATION SUBDIVISION**
402 MANGAKURI ROAD,
MANGAKURI

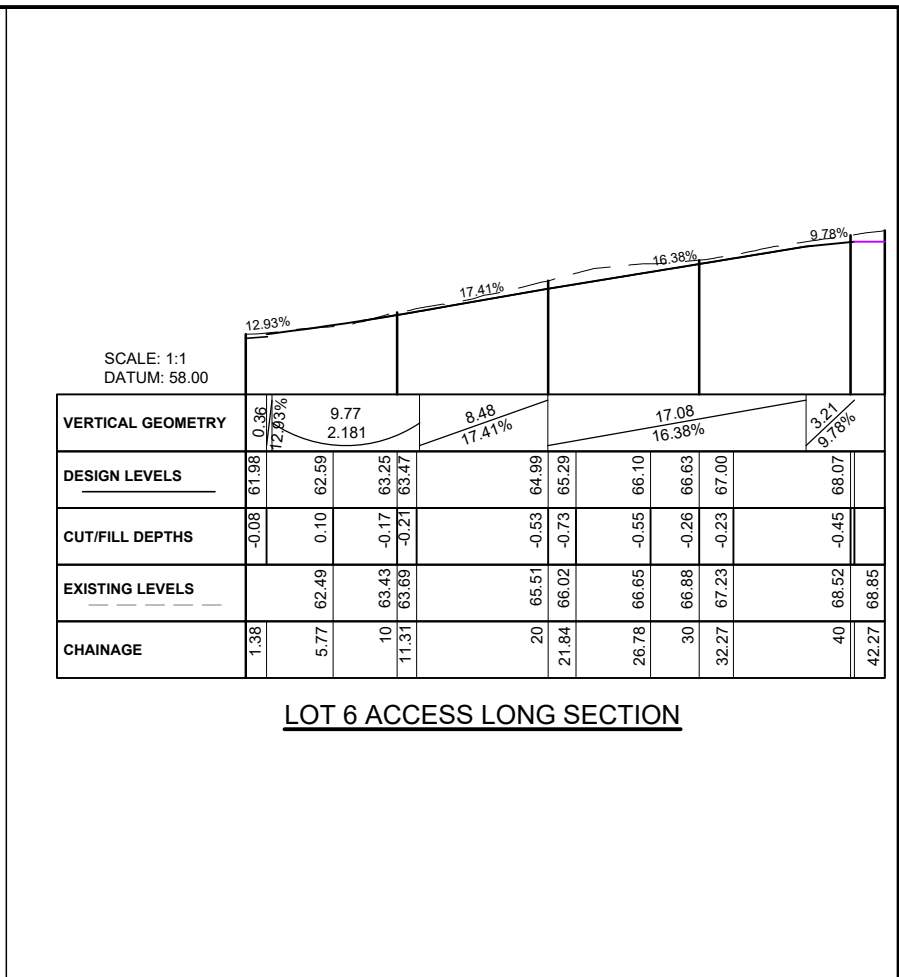
TITLE: **LONG SECTIONS PART 3**

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DESIGNED SG	0 2 4 8 12	
DRAWN SG	Full Size 1:200 ; Half Size 1:400	
CHECKED RN	Scale (m)	
DATE 28/07/23	PROJECT NO.: J5864	REVISION: 2
	SHEET: C112	
PRELIMINARY		
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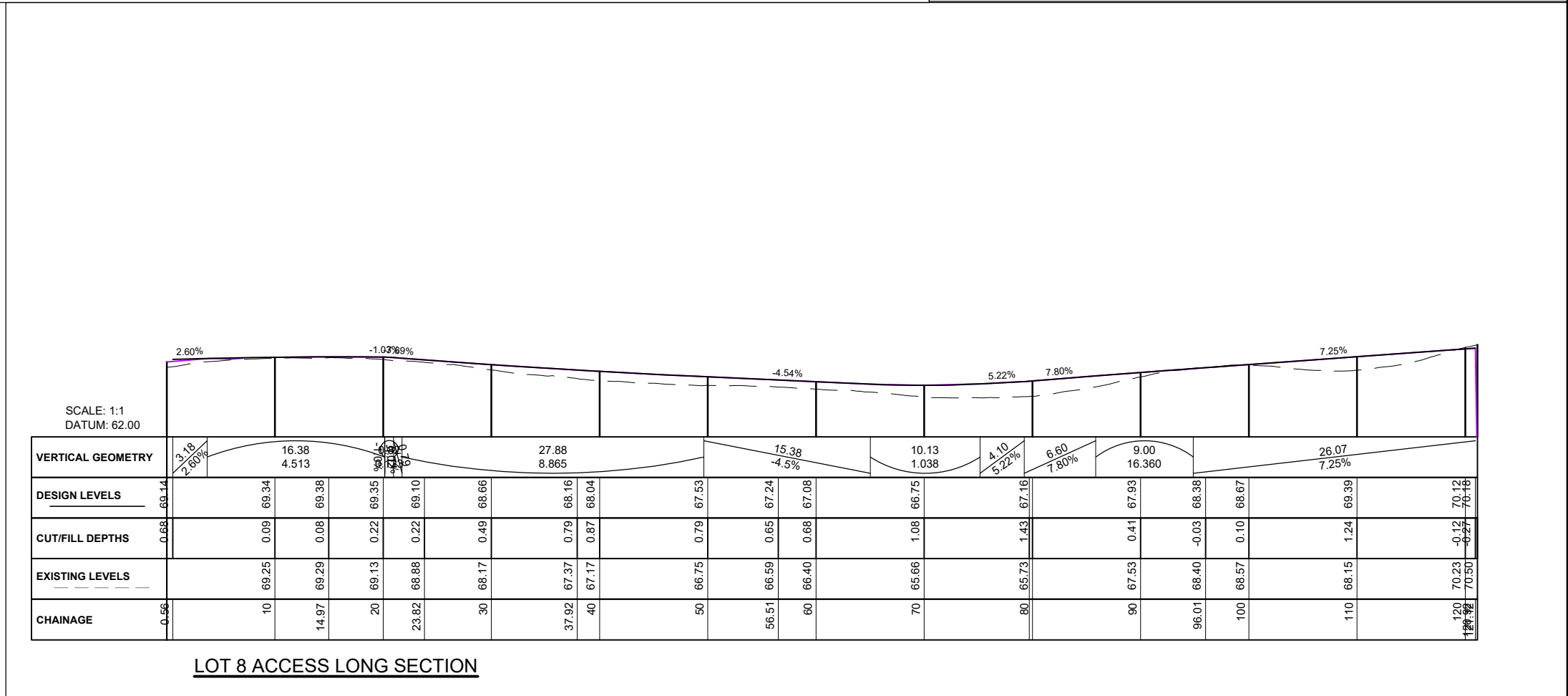


ROW 3 LONG SECTION



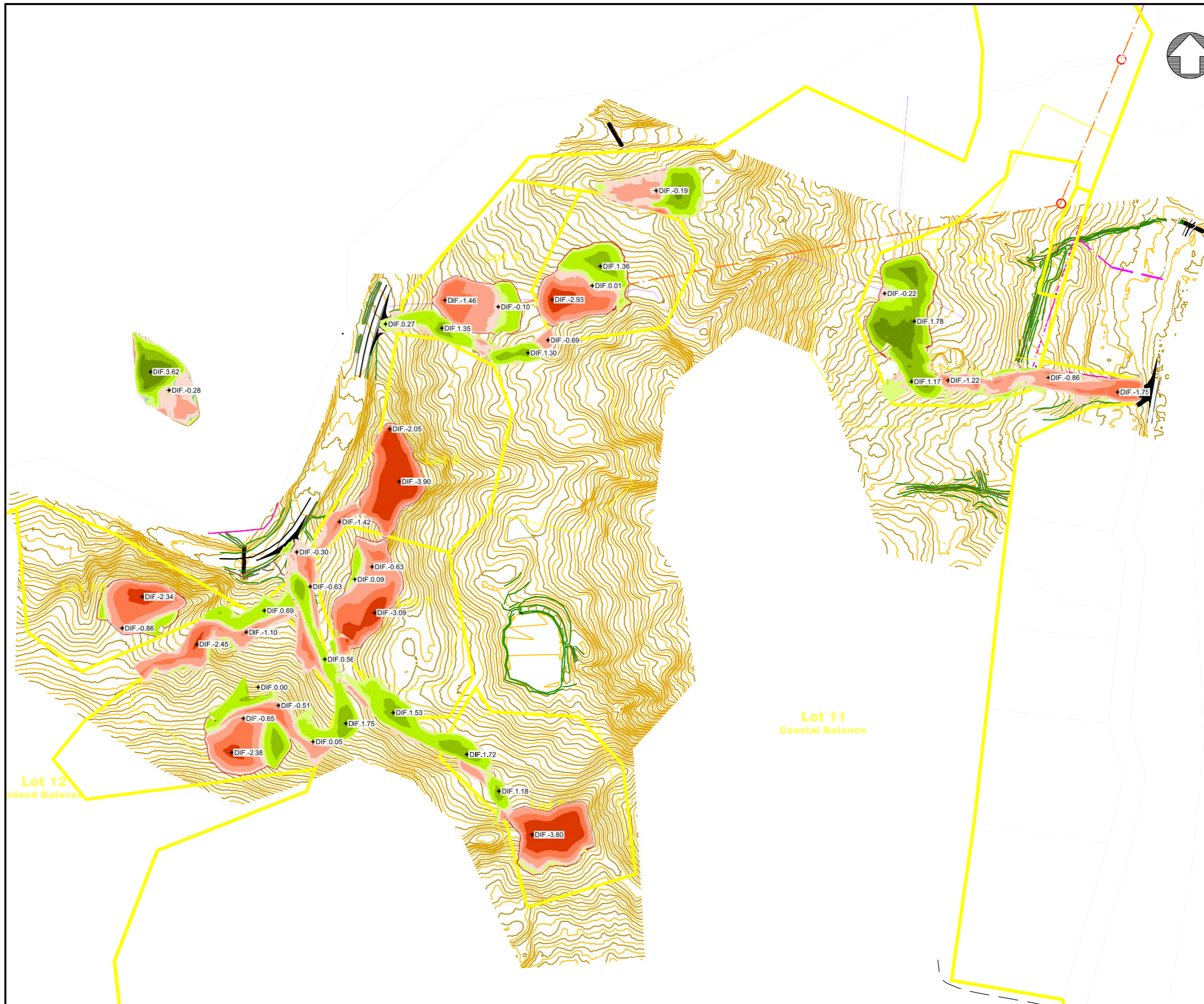
LOT 6 ACCESS LONG SECTION

SAFETY IN DESIGN				
ALL REASONABLY PRACTICABLE STEPS HAVE BEEN TAKEN TO ENSURE SAFETY IN DESIGN HAS BEEN CONSIDERED WITHIN STRATA GROUP'S SCOPE OF WORK FOR THIS DESIGN IN ACCORDANCE WITH IPENZ PRACTICE NOTE 07 "DESIGN FOR SAFETY IN BUILDINGS AND OTHER STRUCTURES (JULY 2006)". IT REMAINS THE RESPONSIBILITY OF THE OWNER AND/OR OPERATOR TO ENSURE APPROPRIATE PRACTICES ARE IN PLACE TO PROTECT THE SAFETY OF THE WORKERS AND THE PUBLIC IN THE OPERATION OF THE FACILITY.				
2	REVISED FOR RC	10/08/23	SG	
1	FOR RESOURCE CONSENT	28/09/22	SG	
REV	REASON FOR ISSUE	DATE	BY	



LOT 8 ACCESS LONG SECTION

<p>THE CONTRACTOR IS TO BE AWARE OF ALL INSPECTIONS TO BE MADE BY THE ENGINEER AS A REQUIREMENT OF THE PRODUCER STATEMENT PS4 CONSTRUCTION REVIEW DOCUMENTATION. THE ENGINEER WILL REQUIRE 24 HOURS PRIOR NOTIFICATION FOR ALL INSPECTIONS.</p>	<p>P 06 876 7646 F 06 876 7645 www.stratagroup.net.nz</p> <p>PO BOX 758 Business HQ 1/308 Queen Street East Hastings, New Zealand</p> <p>Structural Fire Civil Project Management</p>	<p>CLIENT: SR & BJ WILLIAMS CHARITABLE TRUST BOARD</p>	<p>PROJECT: MANGAKURI STATION SUBDIVISION</p> <p>402 MANGAKURI ROAD, MANGAKURI</p>	<p>TITLE: LONG SECTIONS PART 2</p>	<p>DESIGNED SG</p> <p>DRAWN SG</p> <p>CHECKED RN</p> <p>DATE 10/08/23</p>	<p>Full Size 1:250 ; Half Size 1:500 Scale (m)</p>
					<p>PROJECT NO.: J5864</p> <p>SHEET: C111</p> <p>REVISION: 2</p>	<p>PRELIMINARY</p> <p>NOT FOR CONSTRUCTION</p>



- EARTHWORKS NOTES:**
- CUT FILL PLAN INDICATES THE DIFFERENTIAL SURFACE BETWEEN THE EXISTING GROUND AND THE FINISHED GROUND SURFACE MODELS.
 - ALL EARTHWORKS SHALL BE IN ACCORDANCE WITH NZS 4404:2010 LAND DEVELOPMENT AND SUBDIVISION INFRASTRUCTURE AND NZS 4431:1989 EARTH FILL FOR RESIDENTIAL CONSTRUCTION (INCORPORATING ALL AMENDMENTS).
 - SOIL TESTING SHALL BE IN ACCORDANCE WITH NZS 4402 1 TO 7:1986 METHODS OF TESTING SOILS FOR CIVIL ENGINEERING PURPOSES - SOIL TESTS.
 - ALL VOLUMES HAVE BEEN CALCULATED IN SOLID ON FIXED DESIGN DEPTHS. VOLUMES EXCLUDE POSSIBLE UNDER-CUT OF SOFT SPOTS, UNDERGROUND FEATURES AND CONTAMINATED MATERIALS.
 - ALL MEASUREMENTS SHALL BE VERIFIED ONSITE.
 - DO NOT SCALE FROM DRAWING. IF EXTRA INFORMATION IS REQUIRED, PLEASE CONTACT STRATA GROUP CONSULTING ENGINEERS.
 - IT IS THE CONTRACTORS RESPONSIBILITY TO SURVEY THE SUB-GRADE AND UNDER-CUT OF SOFT SPOTS & ANY IRREGULARITIES TO ENSURE ACCURACY OF CUT - FILL VOLUMES.

VOLUMES

1	TOPSOIL STRIPPING (GENERALIZED AT 300MM)	6,150M ³
2	CUT FROM TOPSOIL STRIP TO SUBGRADE (PLATFORMS AND ACCESS)	8,200M ³
3	COHESIVE/APPROVED FILL REQUIRED FROM SUBGRADE LEVEL	7,380M ³
4	IMPORTED GRANULAR FILL FOR ACCESS FORMATIONS	1520M ³
5	CUT TO WASTE (#2 - #3)	820M ³

NOTES ON ABOVE VOLUMES:

- ALL TOPSOIL WILL BE RESPREAD ONSITE AND DISCREET STOCKPILES WILL BE LEFT ON EACH OF THE BUILDING PLATFORMS FOR LANDSCAPING PURPOSES
- #3 COHESIVE FILL REQUIRED TO BE SITE-WON WHERE SUITABLE, SOME IMPORTED COHESIVE FILL MAY BE REQUIRED IF SITEWON MATERIAL IS NOT SUITABLE
- IT IS ANTICIPATED THAT A SUITABLE LOCATION WITHIN THE WIDER MANGAKURI STATION WILL BE SOUGHT TO FILL WITH THE CUT TO WASTE MATERIAL

CUT/FILL TABLE

Number	Minimum Level	Maximum Level	Colour
1	-3.97	-2.00	Dark Red
2	-2.00	-1.00	Red
3	-1.00	-0.30	Light Red
4	-0.30	-0.02	Very Light Red
5	0.03	0.30	Light Green
6	0.30	1.00	Medium Green
7	1.00	2.00	Dark Green
8	2.00	4.10	Very Dark Green

SAFETY IN DESIGN

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REV	REASON FOR ISSUE	DATE	BY
3	REVISED FOR RC	11/08/23	SG
2	REVISED FOR RC	13/02/23	SG
1	RESOURCE CONSENT	30/11/22	SG

DESIGNED	CHECKED	DATE
SG	RN	11/08/23

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Hastings, New Zealand

Structural Fire Civil Project Management

CLIENT: **SR & BJ WILLIAMS CHARITABLE TRUST BOARD**

PROJECT: **MANGAKURI STATION SUBDIVISION**
402 MANGAKURI ROAD, MANGAKURI

TITLE: **CUT AND FILL PLAN OVERVIEW**

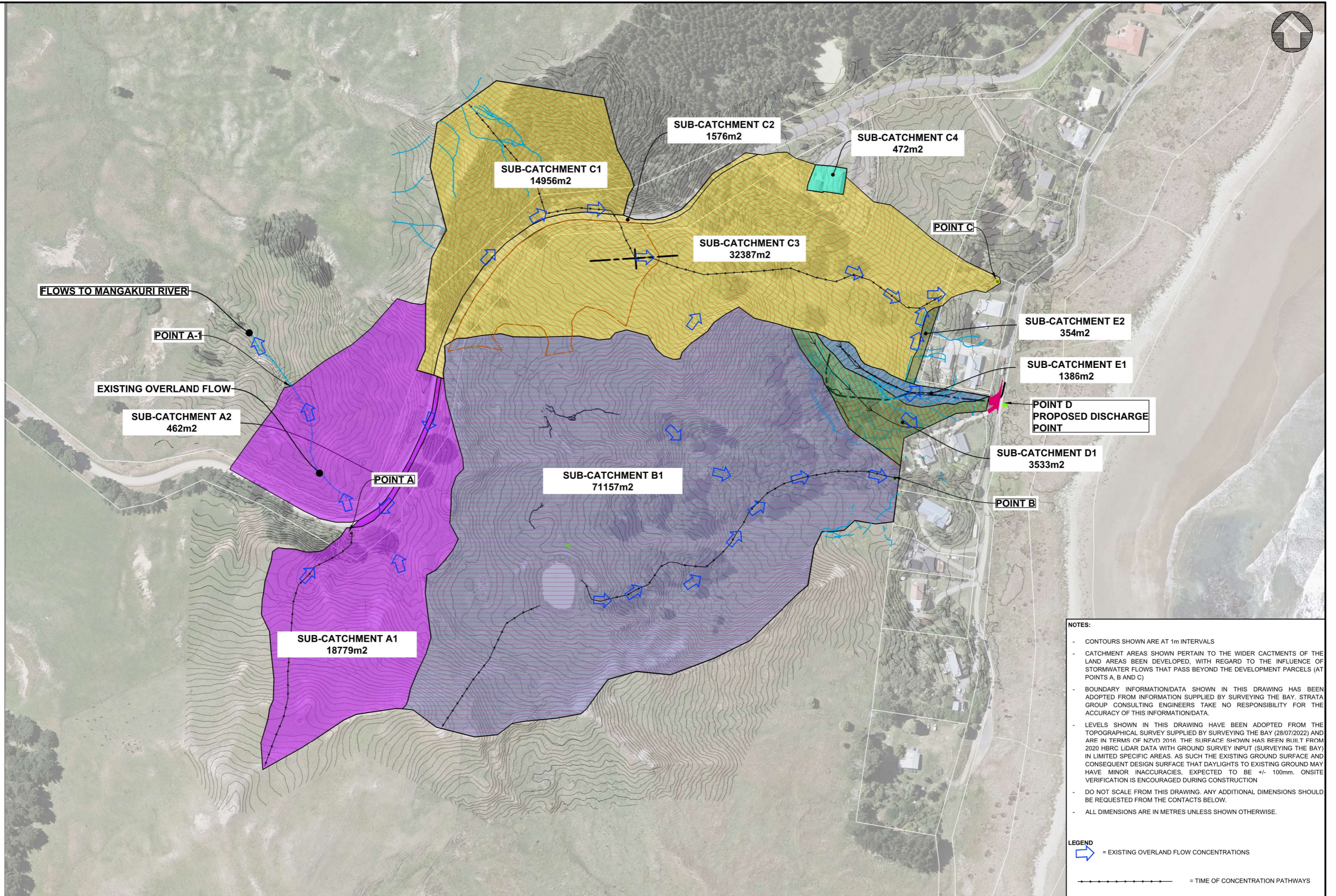
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DESIGNED SG
DRAWN SG
CHECKED RN
DATE 11/08/23

PROJECT NO.: **J5864** SHEET: **C150** REVISION: **3**

PRELIMINARY
NOT FOR CONSTRUCTION

Scale (m)
0 10 20 40 60
Full Size 1:1000; Half Size 1:2000



NOTES:

- CONTOURS SHOWN ARE AT 1m INTERVALS
- CATCHMENT AREAS SHOWN PERTAIN TO THE WIDER CACTMENTS OF THE LAND AREAS BEEN DEVELOPED, WITH REGARD TO THE INFLUENCE OF STORMWATER FLOWS THAT PASS BEYOND THE DEVELOPMENT PARCELS (AT POINTS A, B AND C)
- BOUNDARY INFORMATION/DATA SHOWN IN THIS DRAWING HAS BEEN ADOPTED FROM INFORMATION SUPPLIED BY SURVEYING THE BAY. STRATA GROUP CONSULTING ENGINEERS TAKE NO RESPONSIBILITY FOR THE ACCURACY OF THIS INFORMATION/DATA.
- LEVELS SHOWN IN THIS DRAWING HAVE BEEN ADOPTED FROM THE TOPOGRAPHICAL SURVEY SUPPLIED BY SURVEYING THE BAY (28/07/2022) AND ARE IN TERMS OF NZVD 2016. THE SURFACE SHOWN HAS BEEN BUILT FROM 2020 HBRC LIDAR DATA WITH GROUND SURVEY INPUT (SURVEYING THE BAY) IN LIMITED SPECIFIC AREAS. AS SUCH THE EXISTING GROUND SURFACE AND CONSEQUENT DESIGN SURFACE THAT DAYLIGHTS TO EXISTING GROUND MAY HAVE MINOR INACCURACIES, EXPECTED TO BE +/- 100mm. ONSITE VERIFICATION IS ENCOURAGED DURING CONSTRUCTION
- DO NOT SCALE FROM THIS DRAWING. ANY ADDITIONAL DIMENSIONS SHOULD BE REQUESTED FROM THE CONTACTS BELOW.
- ALL DIMENSIONS ARE IN METRES UNLESS SHOWN OTHERWISE.

LEGEND

= EXISTING OVERLAND FLOW CONCENTRATIONS

= TIME OF CONCENTRATION PATHWAYS

SAFETY IN DESIGN

ALL REASONABLY PRACTICABLE STEPS HAVE BEEN TAKEN TO ENSURE SAFETY IN DESIGN HAS BEEN CONSIDERED WITHIN STRATA GROUP'S SCOPE OF WORK FOR THIS DESIGN IN ACCORDANCE WITH IPENZ PRACTICE NOTE 07 "DESIGN FOR SAFETY IN BUILDINGS AND OTHER STRUCTURES (JULY 2006)". IT REMAINS THE RESPONSIBILITY OF THE OWNER AND/OR OPERATOR TO ENSURE APPROPRIATE PRACTICES ARE IN PLACE TO PROTECT THE SAFETY OF THE WORKERS AND THE PUBLIC IN THE OPERATION OF THE FACILITY.

REV	FOR RESOURCE CONSENT	28/09/22	SG
1	FOR RESOURCE CONSENT	28/09/22	SG
	REASON FOR ISSUE	DATE	BY

REV	FOR RESOURCE CONSENT	28/09/22	SG
1	FOR RESOURCE CONSENT	28/09/22	SG
	REASON FOR ISSUE	DATE	BY

THE CONTRACTOR IS TO BE AWARE OF ALL INSPECTIONS TO BE MADE BY THE ENGINEER AS A REQUIREMENT OF THE PRODUCER STATEMENT PS4 CONSTRUCTION REVIEW DOCUMENTATION. THE ENGINEER WILL REQUIRE 24 HOURS PRIOR NOTIFICATION FOR ALL INSPECTIONS.

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Structural Fire Civil Project Management

CLIENT: **SR & BJ WILLIAMS CHARITABLE TRUST BOARD**

PROJECT: **MANGAKURI STATION SUBDIVISION**
402 MANGAKURI ROAD, MANGAKURI

TITLE: **PRE-DEVELOPMENT STORMWATER CATCHMENT PLAN**

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DESIGNED SG	0	25	50	75
DRAWN SG	Full Size 1:1250 ; Half Size 1:2500			
CHECKED RN	Scale (m)			
DATE 29/11/22	PROJECT NO. J5864	SHEET C200	REVISION: 1	
PRELIMINARY NOT FOR CONSTRUCTION				



PROPOSED NEW DRY POND B

FLOWS TO MANGAKURI RIVER

POINT A-1

EXISTING OVERLAND FLOW

SUB-CATCHMENT ZONE AA1

POINT A

SUB-CATCHMENT ZONE A

POINT B1

SUB-CATCHMENT ZONE B

SUB-CATCHMENT ZONE C

POINT C

SUB-CATCHMENT ZONE D1

POINT D PROPOSED DISCHARGE POINT

POINT B

NOTES:

- CONTOURS SHOWN ARE AT 1m INTERVALS
- SURFACE SHOWN IS THE DESIGN SURFACE. REFER TO CUT-FILL PLAN FOR AREAS OF MODIFICATION TO EXISTING GROUND. REFER TO SHEET C200 FOR CONTOURS BETWEEN DEVELOPMENT AREAS NOT SHOWN ON THIS PLAN
- CATCHMENT AREAS SHOWN PERTAIN TO THE WIDER CATCHMENTS OF THE LAND AREAS BEEN DEVELOPED, WITH REGARD TO THE INFLUENCE OF STORMWATER FLOWS THAT PASS BEYOND THE DEVELOPMENT PARCELS (AT POINTS A, B AND C)
- BOUNDARY INFORMATION/DATA SHOWN IN THIS DRAWING HAS BEEN ADOPTED FROM INFORMATION SUPPLIED BY SURVEYING THE BAY. STRATA GROUP CONSULTING ENGINEERS TAKE NO RESPONSIBILITY FOR THE ACCURACY OF THIS INFORMATION/DATA.
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- DO NOT SCALE FROM THIS DRAWING. ANY ADDITIONAL DIMENSIONS SHOULD BE REQUESTED FROM THE CONTACTS BELOW.
- ALL DIMENSIONS ARE IN METRES UNLESS SHOWN OTHERWISE.

LEGEND

- = PRIMARY OVERLAND FLOW
- = OVERLAND FLOW CONCENTRATIONS/SECONDARY FLOW PATHS
- = PROPOSED INDICATIVE PLATFORM SW DISCHARGE TRENCHES (FROM TANK OVERFLOW)
- = TIME OF CONCENTRATION PATHWAYS

SAFETY IN DESIGN			
ALL REASONABLY PRACTICABLE STEPS HAVE BEEN TAKEN TO ENSURE SAFETY IN DESIGN HAS BEEN CONSIDERED WITHIN STRATA GROUP'S SCOPE OF WORK FOR THIS DESIGN IN ACCORDANCE WITH IPENZ PRACTICE NOTE 07 "DESIGN FOR SAFETY IN BUILDINGS AND OTHER STRUCTURES (JULY 2008)". IT REMAINS THE RESPONSIBILITY OF THE OWNER AND/OR OPERATOR TO ENSURE APPROPRIATE PRACTICES ARE IN PLACE TO PROTECT THE SAFETY OF THE WORKERS AND THE PUBLIC IN THE OPERATION OF THE FACILITY.			
1	FOR INFORMATION	19/07/23	SG
REV	REASON FOR ISSUE	DATE	BY

REV	REASON FOR ISSUE	DATE	BY
1	FOR INFORMATION	19/07/23	SG

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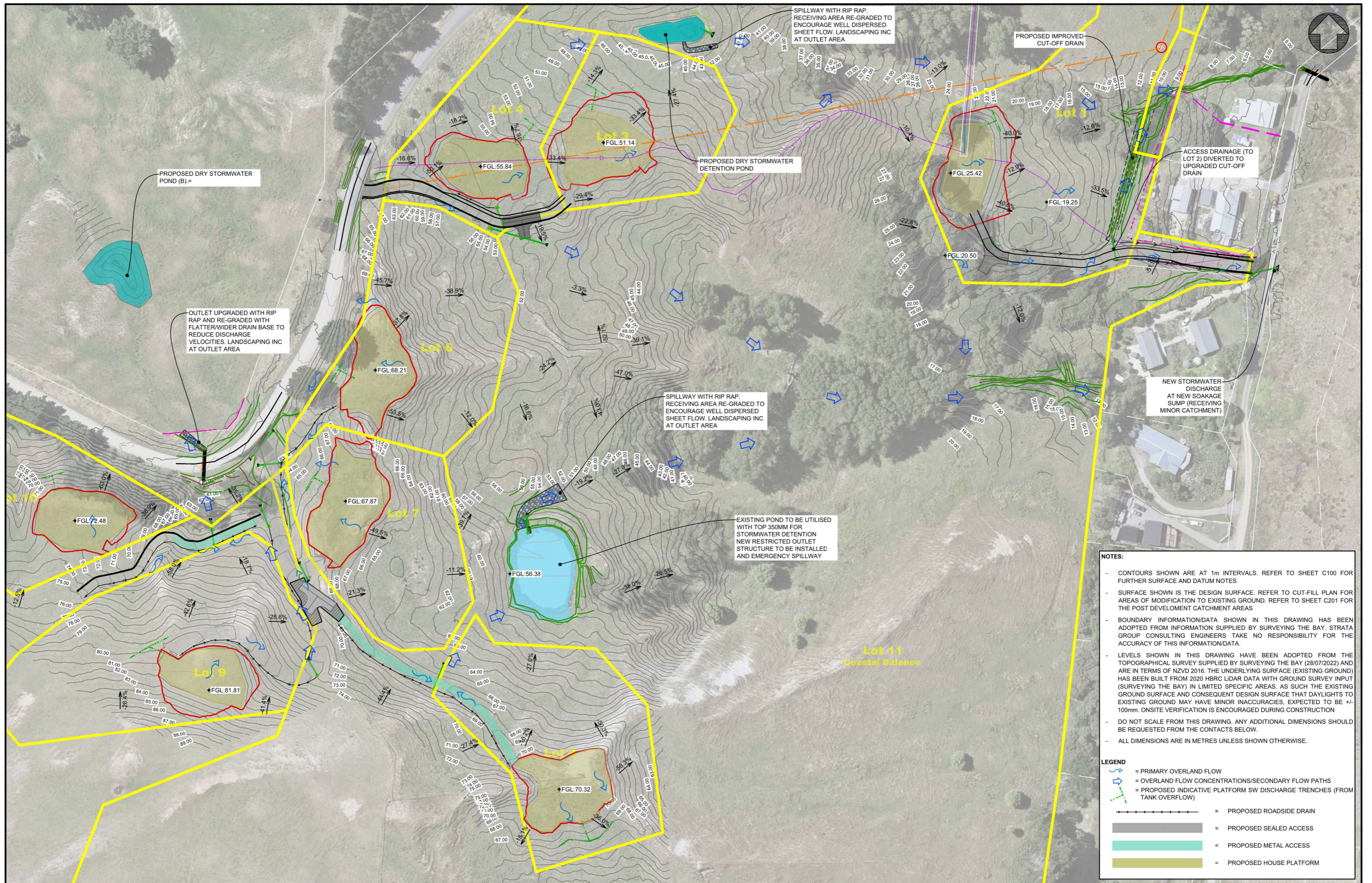
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Structural Fire Civil Project Management

CLIENT: **SR & BJ WILLIAMS CHARITABLE TRUST BOARD**

PROJECT: **MANGAKURI STATION SUBDIVISION**
402 MANGAKURI ROAD, MANGAKURI

TITLE: **POST-DEVELOPMENT STORMWATER CATCHMENT PLAN**

DESIGNED SG	0	25	50	75
DRAWN SG	Full Size 1:1250; Half Size 1:2500 Scale (m)			
CHECKED RN				
DATE 19/07/23				
PROJECT NO. J5864	SHEET C201	REVISION: 2		



NOTES:

- CONTOURS SHOWN ARE AT 1m INTERVALS. REFER TO SHEET C100 FOR FURTHER SURFACE AND DATUM NOTES
- SURFACE SHOWN IS THE DESIGN SURFACE. REFER TO CUT-FILL PLAN FOR AREAS OF MODIFICATION TO EXISTING GROUND. REFER TO SHEET C201 FOR THE POST DEVELOPMENT CATCHMENT AREAS
- BOUNDARY INFORMATION/DATA SHOWN IN THIS DRAWING HAS BEEN ADOPTED FROM INFORMATION SUPPLIED BY SURVEYING THE BAY. STRATA GROUP CONSULTING ENGINEERS TAKE NO RESPONSIBILITY FOR THE ACCURACY OF THIS INFORMATION/DATA.
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- ALL DIMENSIONS ARE IN METRES UNLESS SHOWN OTHERWISE.

LEGEND

- = PRIMARY OVERLAND FLOW
- = OVERLAND FLOW CONCENTRATIONS/SECONDARY FLOW PATHS
- = PROPOSED INDICATIVE PLATFORM SW DISCHARGE TRENCHES (FROM TANK OVERFLOW)
- = PROPOSED ROADSIDE DRAIN
- = PROPOSED SEALED ACCESS
- = PROPOSED METAL ACCESS
- = PROPOSED HOUSE PLATFORM

SAFETY IN DESIGN

ALL REASONABLY PRACTICABLE STEPS HAVE BEEN TAKEN TO ENSURE SAFETY IN DESIGN HAS BEEN CONSIDERED WITHIN STRATA GROUP'S SCOPE OF WORK FOR THIS DESIGN IN ACCORDANCE WITH IPENZ PRACTICE NOTE 07 "DESIGN FOR SAFETY IN BUILDINGS AND OTHER STRUCTURES (JULY 2006)". IT REMAINS THE RESPONSIBILITY OF THE OWNER AND/OR OPERATOR TO ENSURE APPROPRIATE PRACTICES ARE IN PLACE TO PROTECT THE SAFETY OF THE WORKERS AND THE PUBLIC IN THE OPERATION OF THE FACILITY.

REV	REASON FOR ISSUE	DATE	BY
2	REVISED FOR RC	11/08/23	SG
1	RESOURCE CONSENT	30/11/22	SG

REV	REASON FOR ISSUE	DATE	BY
2	REVISED FOR RC	11/08/23	SG
1	RESOURCE CONSENT	30/11/22	SG

THE CONTRACTOR IS TO BE AWARE OF ALL INSPECTIONS TO BE MADE BY THE ENGINEER AS A REQUIREMENT OF THE PRODUCER STATEMENT PS4 CONSTRUCTION REVIEW DOCUMENTATION. THE ENGINEER WILL REQUIRE 24 HOURS PRIOR NOTIFICATION FOR ALL INSPECTIONS.

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Structural Fire Civil Project Management

CLIENT: **SR & BJ WILLIAMS CHARITABLE TRUST BOARD**

PROJECT: **MANGAKURI STATION SUBDIVISION**
402 MANGAKURI ROAD, MANGAKURI

TITLE: **STORMWATER OVERVIEW**

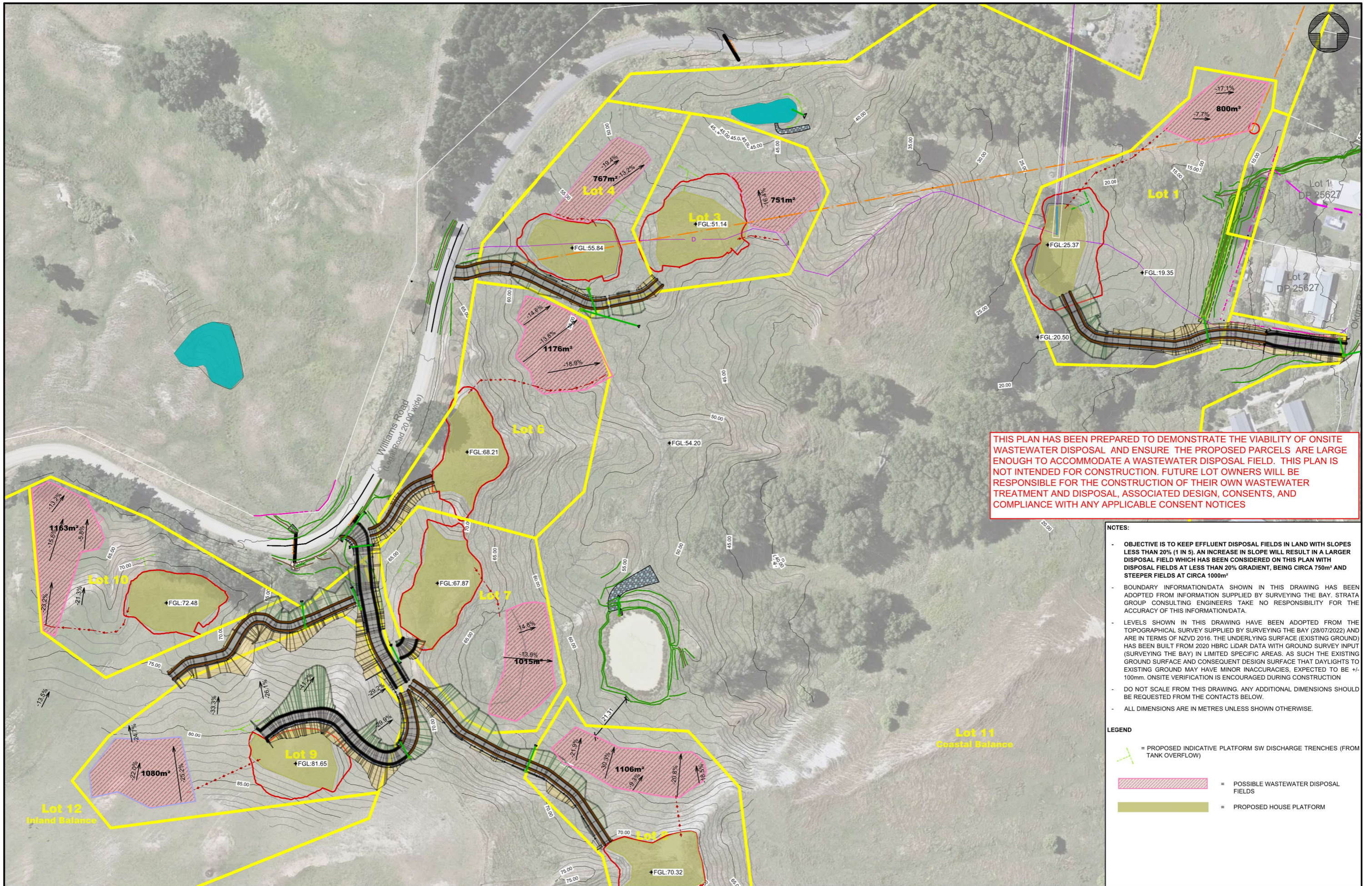
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DESIGNED SG
DRAWN SG
CHECKED RN
DATE 11/08/23

PROJECT NO.: **J5864**
SHEET: **C210**
REVISION: **2**

Scale (m)
0 7.5 15 30 45
Full Size 1:750; Half Size 1:1500

PRELIMINARY
NOT FOR CONSTRUCTION



THIS PLAN HAS BEEN PREPARED TO DEMONSTRATE THE VIABILITY OF ONSITE WASTEWATER DISPOSAL AND ENSURE THE PROPOSED PARCELS ARE LARGE ENOUGH TO ACCOMMODATE A WASTEWATER DISPOSAL FIELD. THIS PLAN IS NOT INTENDED FOR CONSTRUCTION. FUTURE LOT OWNERS WILL BE RESPONSIBLE FOR THE CONSTRUCTION OF THEIR OWN WASTEWATER TREATMENT AND DISPOSAL, ASSOCIATED DESIGN, CONSENTS, AND COMPLIANCE WITH ANY APPLICABLE CONSENT NOTICES

NOTES:

- OBJECTIVE IS TO KEEP EFFLUENT DISPOSAL FIELDS IN LAND WITH SLOPES LESS THAN 20% (1 IN 5). AN INCREASE IN SLOPE WILL RESULT IN A LARGER DISPOSAL FIELD WHICH HAS BEEN CONSIDERED ON THIS PLAN WITH DISPOSAL FIELDS AT LESS THAN 20% GRADIENT, BEING CIRCA 750m² AND STEEPER FIELDS AT CIRCA 1000m²
- BOUNDARY INFORMATION/DATA SHOWN IN THIS DRAWING HAS BEEN ADOPTED FROM INFORMATION SUPPLIED BY SURVEYING THE BAY. STRATA GROUP CONSULTING ENGINEERS TAKE NO RESPONSIBILITY FOR THE ACCURACY OF THIS INFORMATION/DATA.
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LEGEND

- = PROPOSED INDICATIVE PLATFORM SW DISCHARGE TRENCHES (FROM TANK OVERFLOW)
- = POSSIBLE WASTEWATER DISPOSAL FIELDS
- = PROPOSED HOUSE PLATFORM

SAFETY IN DESIGN

ALL REASONABLY PRACTICABLE STEPS HAVE BEEN TAKEN TO ENSURE SAFETY IN DESIGN HAS BEEN CONSIDERED WITHIN STRATA GROUP'S SCOPE OF WORK FOR THIS DESIGN IN ACCORDANCE WITH IPENZ PRACTICE NOTE 07 "DESIGN FOR SAFETY IN BUILDINGS AND OTHER STRUCTURES (JULY 2006)". IT REMAINS THE RESPONSIBILITY OF THE OWNER AND/OR OPERATOR TO ENSURE APPROPRIATE PRACTICES ARE IN PLACE TO PROTECT THE SAFETY OF THE WORKERS AND THE PUBLIC IN THE OPERATION OF THE FACILITY.

REV	REASON FOR ISSUE	DATE	BY
2	RESOURCE CONSENT	11/08/23	SG
1	FOR DISCUSSION	19/10/22	SG

REV	REASON FOR ISSUE	DATE	BY
2	RESOURCE CONSENT	11/08/23	SG
1	FOR DISCUSSION	19/10/22	SG

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Structural Fire Civil Project Management

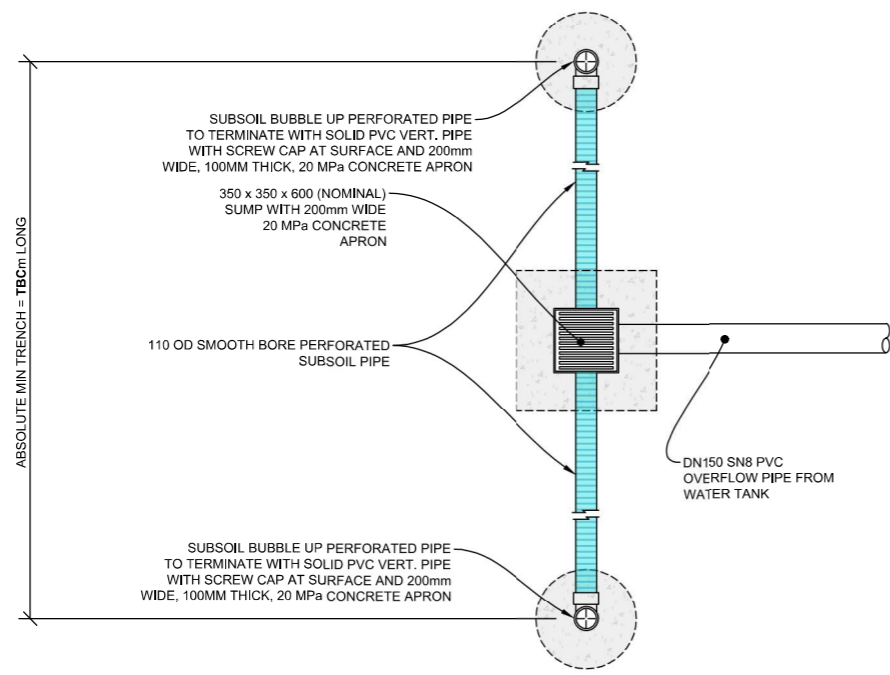
CLIENT: **SR & BJ WILLIAMS CHARITABLE TRUST BOARD**

PROJECT: **MANGAKURI STATION SUBDIVISION**
402 MANGAKURI ROAD, MANGAKURI

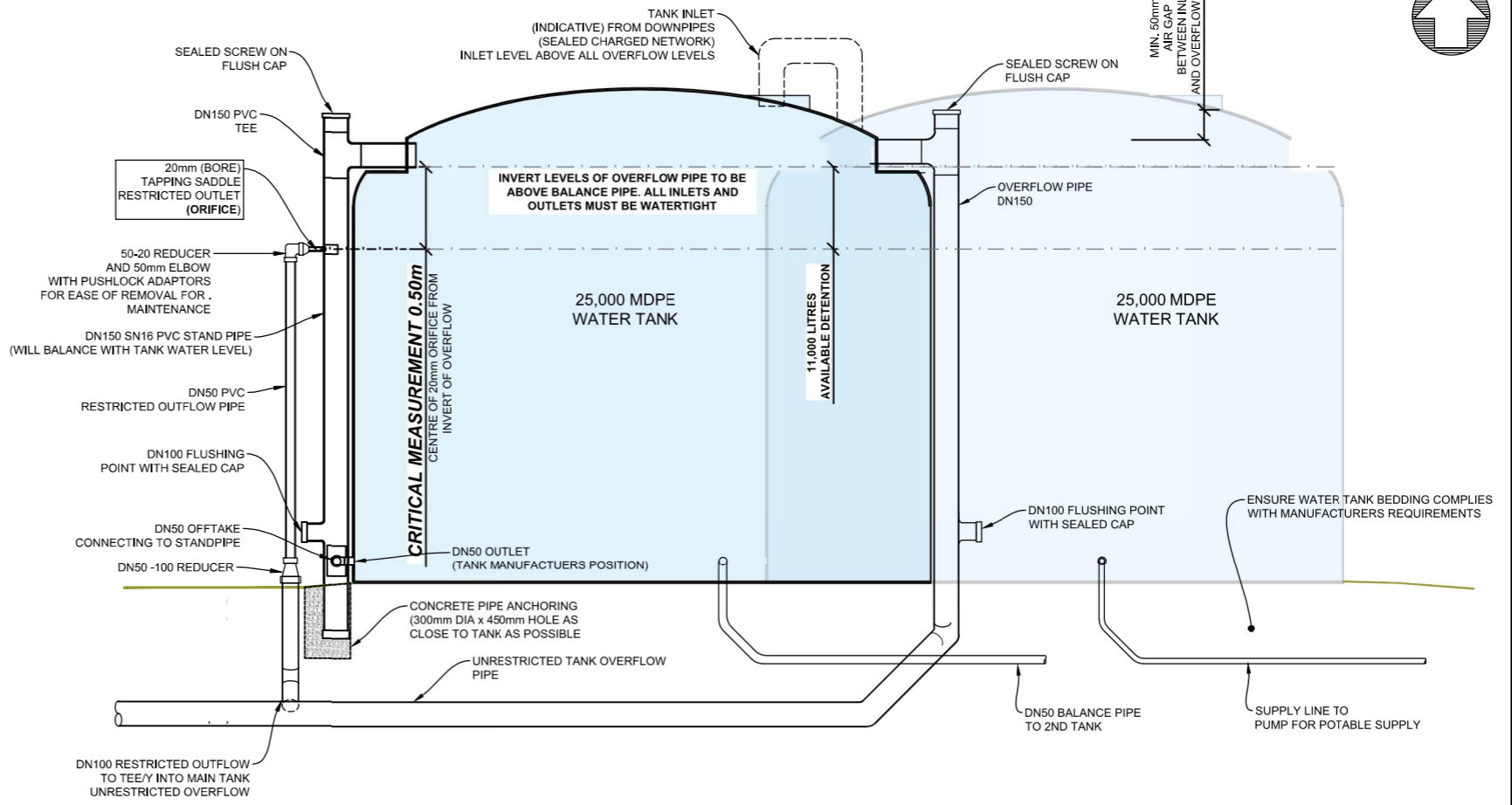
TITLE: **WASTEWATER DISPOSAL OVERVIEW**

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DESIGNED SG	0 7.5 15 30 45
DRAWN SG	Full Size 1:750 ; Half Size 1:1500
CHECKED RN	Scale (m)
DATE 11/08/23	
PROJECT NO.: J5864	SHEET: C300
	REVISION: 2
PRELIMINARY	
NOT FOR CONSTRUCTION	

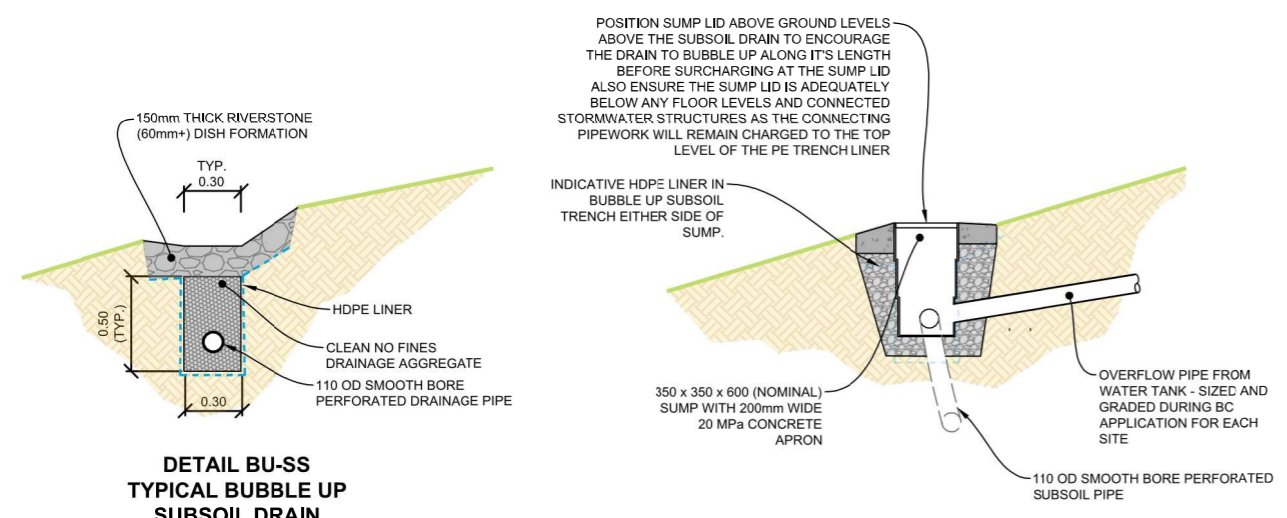


TYPICAL BUBBLE UP TRENCH (WATER TANK OVERFLOW DISCHARGE) PLAN VIEW



TYPICAL STORMWATER DETENTION ARRANGEMENT WITH 2 x ABOVE GROUND WATER TANKS

SCALE 1:20 @ A1, 1:40 @ A3



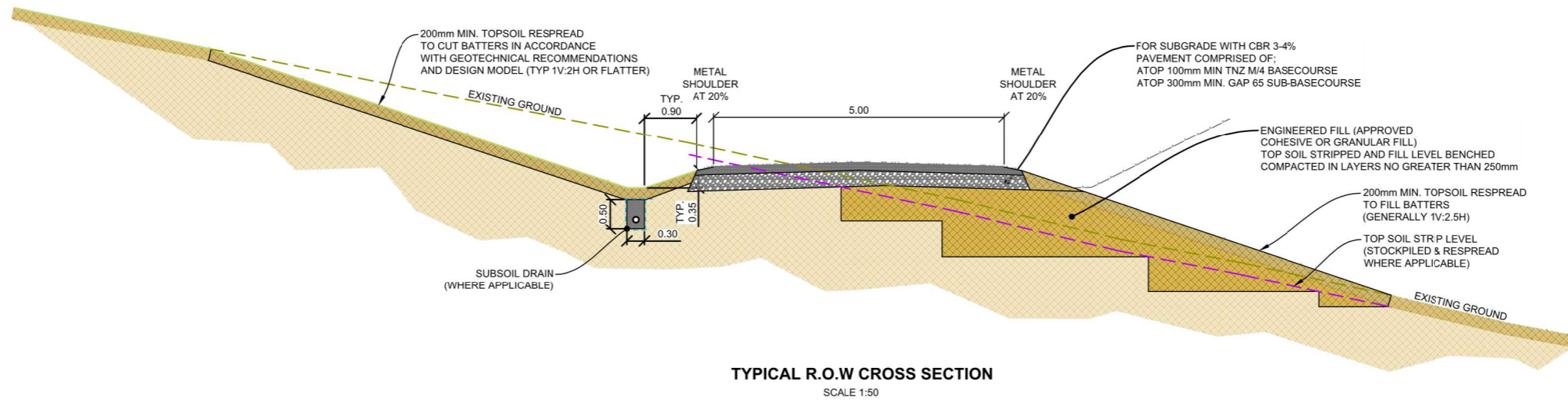
DETAIL BU-SS TYPICAL BUBBLE UP SUBSOIL DRAIN

TYPICAL SUMP SECTION AT BUBBLE UP TRENCH DETAIL

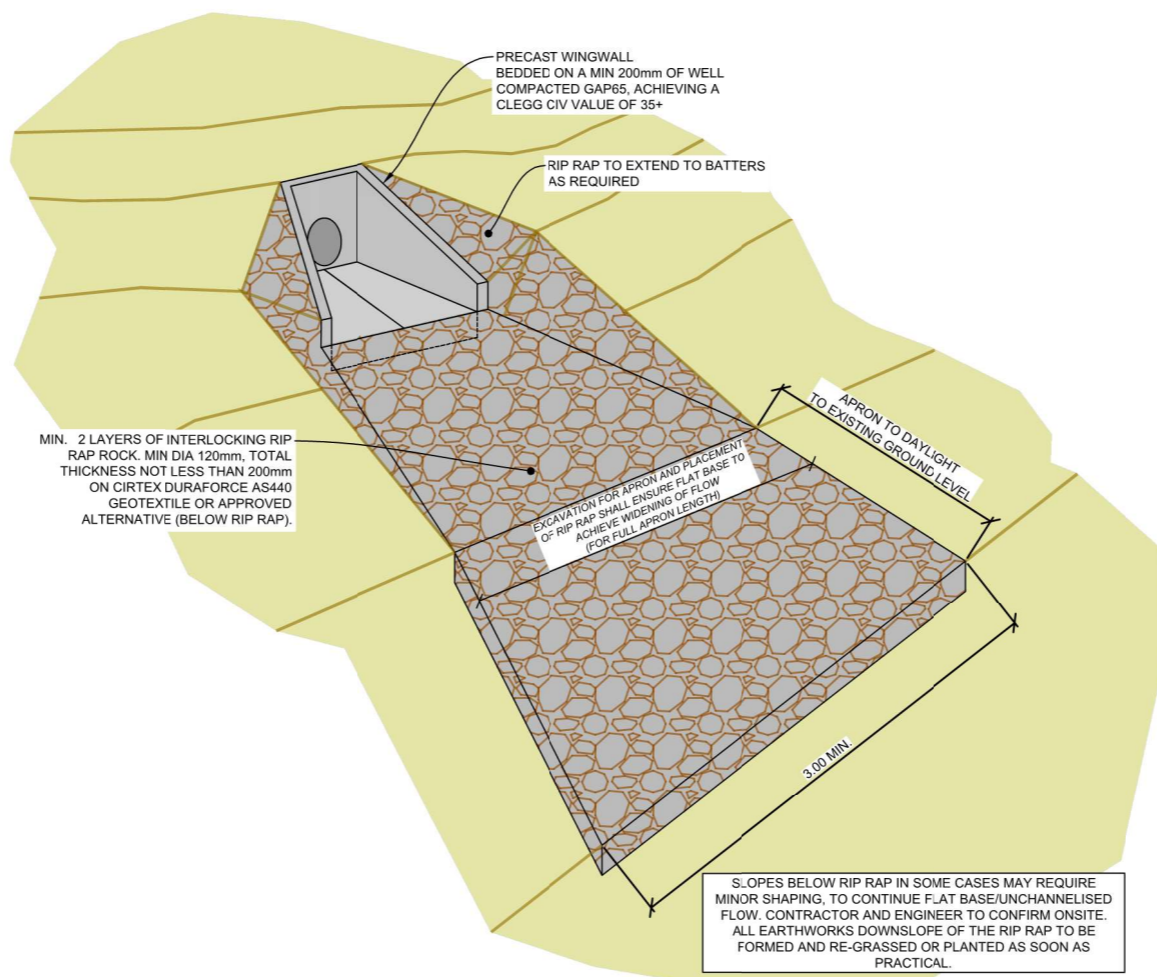
AT BUBBLE UP TRENCH DETAILS

SCALE 1:20 @ A1, 1:40 @ A3

SAFETY IN DESIGN ALL REASONABLY PRACTICABLE STEPS HAVE BEEN TAKEN TO ENSURE SAFETY IN DESIGN HAS BEEN CONSIDERED WITHIN STRATA GROUP'S SCOPE OF WORK FOR THIS DESIGN IN ACCORDANCE WITH IPENZ PRACTICE NOTE 07 "DESIGN FOR SAFETY IN BUILDINGS AND OTHER STRUCTURES (JULY 2006)". IT REMAINS THE RESPONSIBILITY OF THE OWNER AND/OR OPERATOR TO ENSURE APPROPRIATE PRACTICES ARE IN PLACE TO PROTECT THE SAFETY OF THE WORKERS AND THE PUBLIC IN THE OPERATION OF THE FACILITY.		THE CONTRACTOR IS TO BE AWARE OF ALL INSPECTIONS TO BE MADE BY THE ENGINEER AS A REQUIREMENT OF THE PRODUCER STATEMENT PS4 CONSTRUCTION REVIEW DOCUMENTATION. THE ENGINEER WILL REQUIRE 24 HOURS PRIOR NOTIFICATION FOR ALL INSPECTIONS.		stratagroup CONSULTING ENGINEERS P 06 876 7646 F 06 876 7645 www.stratagroup.net.nz PO BOX 758 Business HQ 1/308 Queen Street East Hastings, New Zealand		CLIENT: SR & BJ WILLIAMS CHARITABLE TRUST BOARD PROJECT: MANGAKURI STATION SUBDIVISION 402 MANGAKURI ROAD, MANGAKURI		TITLE: DETAILS PART 1		DESIGNED: SG DRAWN: SG CHECKED: RN DATE: 29/11/22 PROJECT NO.: J5864 SHEET: C500 REVISION: 1	
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TYPICAL R.O.W CROSS SECTION
SCALE 1:50



RIP RAP TYPICAL ISOMETRIC DETAIL
N.T.S

SAFETY IN DESIGN			
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PROJECT: **MANGAKURI STATION SUBDIVISION**
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MANGAKURI

TITLE: **DETAILS PART 2**
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DRAWN SG		
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