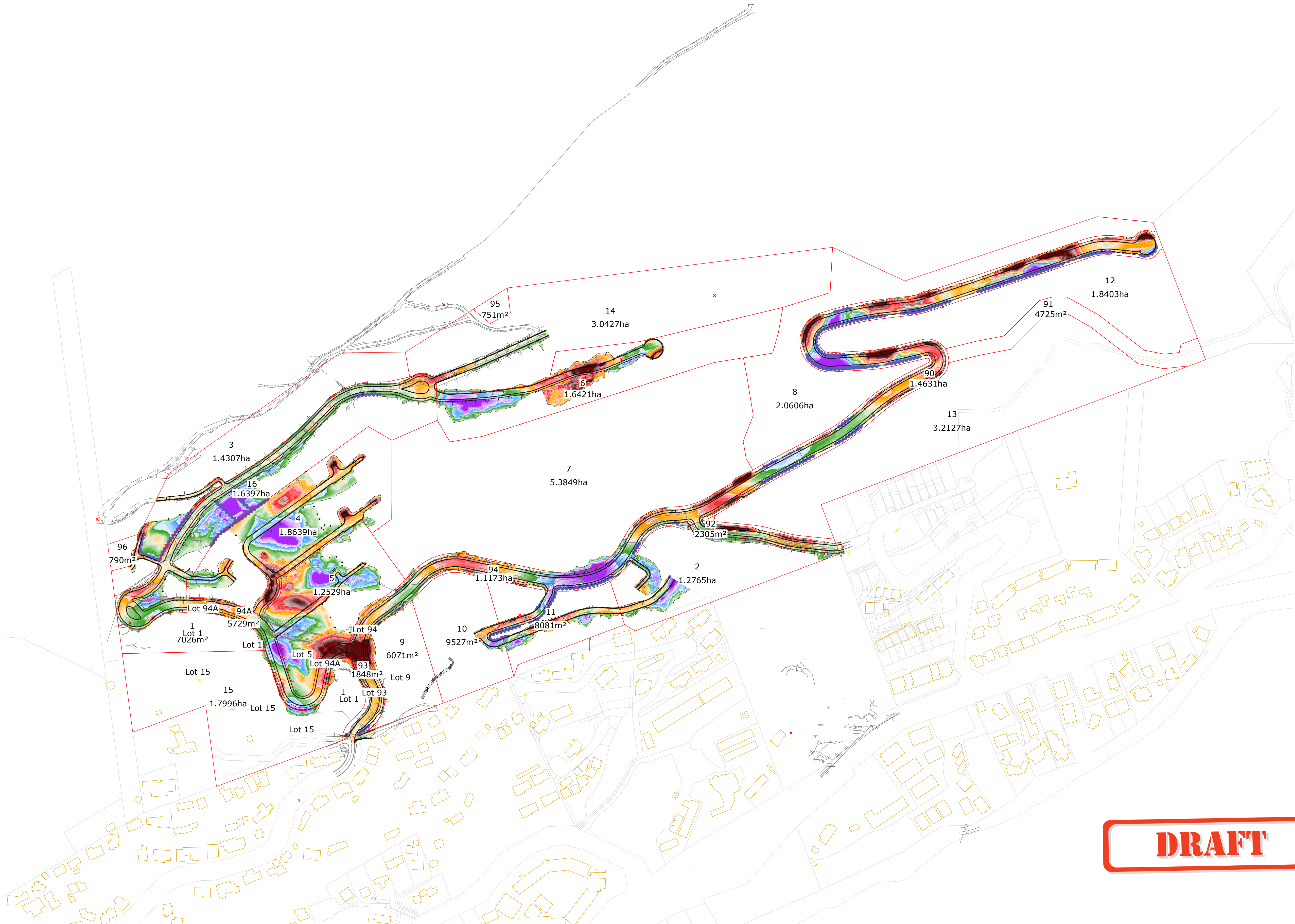


Earthworks

Note: The drawings are preliminary and provided for information purposes only to support a Fast-Track consent submission. They reflect Eliot Sinclair design progress as of April 2024 are subject to change as part of the on-going detailed design process and approval by QLDC. Boundaries are indicative only and subject to final definition survey.

CUT DEPTHS		FILL DEPTHS	
-20.0 to -3.00 m		0.00 to 0.20 m	
-3.00 to -2.80 m		0.20 to 0.40 m	
-2.80 to -2.60 m		0.40 to 0.60 m	
-2.60 to -2.40 m		0.60 to 0.80 m	
-2.40 to -2.20 m		0.80 to 1.00 m	
-2.20 to -2.00 m		1.00 to 1.20 m	
-2.00 to -1.80 m		1.20 to 1.40 m	
-1.80 to -1.60 m		1.40 to 1.60 m	
-1.60 to -1.40 m		1.60 to 1.80 m	
-1.40 to -1.20 m		1.80 to 2.00 m	
-1.20 to -1.00 m		2.00 to 2.20 m	
-1.00 to -0.80 m		2.20 to 2.40 m	
-0.80 to -0.60 m		2.40 to 2.60 m	
-0.60 to -0.40 m		2.60 to 2.80 m	
-0.40 to -0.20 m		2.80 to 3.00 m	
-0.20 to 0.00 m		3.00 to 20.0 m	



NOTES
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SURVEY INFORMATION

SURVEYED	Various
SURVEY DATE	Various
COORD SYSTEM	NZGD2000
DATUM	Mt Nicholas
ORIGIN OF LEVELS	NZVD16

REV.	DRAWN	DATE	NOTE
A	GG	09.02.24	Preliminary Issue

CLIENT

Silver Creek Ltd

DESIGNED	GG
DRAWN	RG0
REVIEWED	
APPROVED	
STATUS	PRELIMINARY
SCALE	1:2000 [A1] 1:4000 [A3]

SILVER CREEK DEVELOPMENT

Goldfield Heights
Queenstown, Otago 9300

CUT FILL
PLAN

PROJECT	REV.
503073	A
SET	SHEET
C1	SK502



3x Waters

Stormwater; Wastewater; Potable Water

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NOTES:

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2. All works to be in accordance with Queenstown Lakes District Council - Land Development and Subdivision Code of Practice : 2020.
3. If this drawing has been received electronically it is the recipient's responsibility to print to the correct scale.
4. All dimensions are in metres unless otherwise shown.
5. Any discrepancies between drawings are to be brought to the attention of the Engineer for clarification.
6. Existing services shown are from Service Authority drawings; completeness and accuracy are not guaranteed.
7. All services are to be fully searched and design piloted prior to construction.
8. Trenching and installation of power and telecom services to be provided in accordance with service providers drawings and specifications. Refer to electrical and communication plans for duct locations.
9. Refer to longsections for all stormwater levels.
10. All uPVC pipes (whether wastewater or stormwater) shall conform to as NZS1260:1999 and shall have the following stiffness numbers as per the standard: DN 100 and 150 to be SN16, DN225 and larger to be SN8.
11. Nominated pipe sizes are internal diameter unless noted otherwise.
12. All services to be installed by a QLDC approved registered drain layer and in terms of the Queenstown Lakes District Council - Land Development and Subdivision Code of Practice : 2020.
13. Bedding to be as per QLDC Land Development and Subdivision Code of Practice - Appendix B- sheet B1-3, unless otherwise specified.
14. Contractor to verify all manhole lid levels.
15. All water pipes shall conform to as QLDC Approved Materials List - 3 Water Supply. Pipe sizes with OD of 63 or smaller diameter shall have pressure rating of PE80 PN12.5 and pipe sizes with diameter greater than 63OD shall have pressure rating of PE100 PN12.5. All fittings shall match pipe internal diameter and shall be PN16.
16. Water submains to be installed at the location shown on the plan and agreed with Engineer.
17. Watermains to have a minimum cover as specified in QLDC Land Development and Subdivision Code of Practice (1m in trafficable areas and 0.6m in non-trafficable areas).
18. Contractor to install water sub-main to ensure no clashes with other services.
19. Registered craftsman plumber to install all lot laterals. Refer to the building code.
20. All water meters and meter box/lids are to be in accordance with QLDC Water Meter Policy.
21. All Water lateral connections to include Acuflo GM900 as the toby valve. All water meters and service connections as per QLDC Land Development and Subdivision Code of Practice - Appendix B- Sheet B2-3.

LEGEND:

- Existing LINZ Boundary
- Existing Building Outline
- Existing Top of Bank
- Existing Bottom of Bank
- Existing Services
- Existing Site Benchmark
- Proposed Site Benchmark
- Proposed Boundary
- Proposed Wastewater
- Proposed Wastewater Manhole
- Proposed Road

NOTES

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SURVEY INFORMATION

SURVEYED
SURVEY DATE
COORD SYSTEM
DATUM
ORIGIN OF LEVELS

Various
Various
NZGD2000
Mt Nicholas
NZVD16
xx

REV. DRAWN DATE NOTE

A GG 21.02.24 Preliminary Issue

CLIENT

Silver Creek Ltd

DESIGNED

DRAWN
REVIEWED
APPROVED

STATUS

SCALE 1:250 [A1] 1:500 [A3]

GG

RG0

PRELIMINARY

SILVER CREEK DEVELOPMENT

Goldfield Heights
Queenstown, Otago 9300

ROAD ALPHA
WASTEWATER PLAN

PROJECT

503073

REV.

A

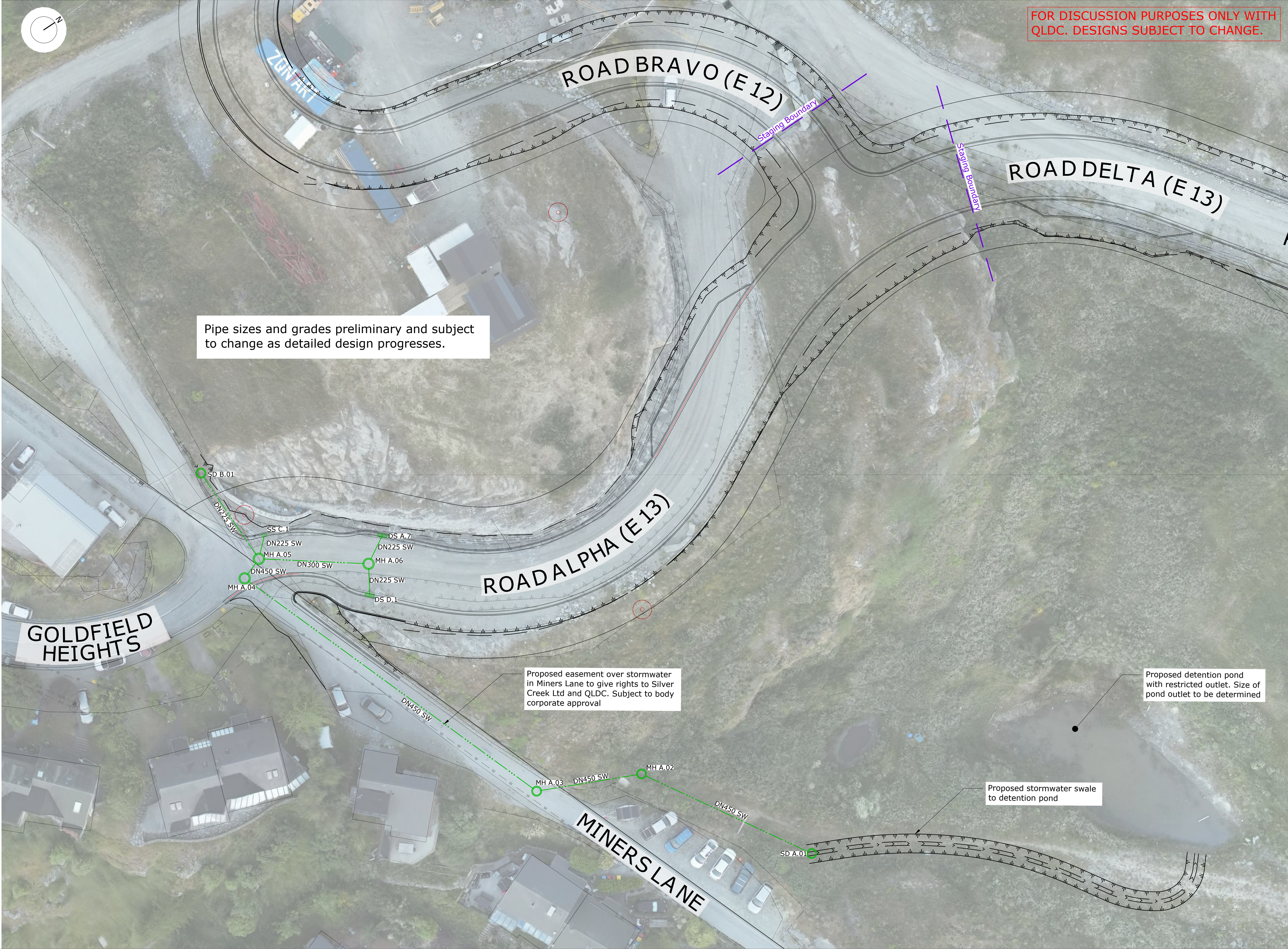
SET

C1

SHEET

C401

eliot
sinclair



NOTES:

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LEGEND:

- Existing LINZ Boundary
- Existing Building Outline
- Existing Top of Bank
- Existing Bottom of Bank
- Existing Services
- Existing Site Benchmark
- Proposed Site Benchmark
- Proposed Boundary
- Proposed Stormwater
- Proposed Stormwater Manhole
- Proposed Stormwater Double Sump
- Proposed Stormwater Single Sump
- Proposed Road

NOTES

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SURVEY INFORMATION

SURVEYED
SURVEY DATE
COORD SYSTEM
DATUM
ORIGIN OF LEVELS

Various
Various
NZGD2000
Mt Nicholas
NZVD16
xx

REV. DRAWN DATE NOTE

A GG 21.02.24 Preliminary Issue

CLIENT

Silver Creek Ltd

DESIGNED

DRAWN
REVIEWED
APPROVED

STATUS

SCALE 1:250 [A1] 1:500 [A3]

GG

RG0

SILVER CREEK DEVELOPMENT

Goldfield Heights
Queenstown, Otago 9300

ROAD ALPHA
STORMWATER PLAN

PROJECT

503073

REV.

A

SET

C1

SHEET

C402

eliot
sinclair



05m10m15m20m25m

1:250

NOTES:

1.

This drawing should only be read in relation to the subject of the title. Other information shown on the drawing should be considered indicative only. Reference should be made to the appropriate drawing for other information.

2.

All works to be in accordance with Queenstown Lakes District Council - Land Development and Subdivision Code of Practice : 2020.

3.

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4.

All dimensions are in metres unless otherwise shown.

5.

Any discrepancies between drawings are to be brought to the attention of the Engineer for clarification.

6.

Existing services shown are from Service Authority drawings; completeness and accuracy are not guaranteed.

7.

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8.

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13.

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Watermains to have a minimum cover as specified in QLDC Land Development and Subdivision Code of Practice (1m in trafficable areas and 0.6m in non-trafficable areas).

18.

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19.

Registered craftsman plumber to install all lot laterals. Refer to the building code.

20.

All water meters and meter box/lids are to be in accordance with QLDC Water Meter Policy.

21.

All Water lateral connections to include Acuflo GM900 as the toby valve. All water meters and service connections as per QLDC Land Development and Subdivision Code of Practice - Appendix B- Sheet B2-3.

LEGEND:

Existing LINZ Boundary

Existing Building Outline

Existing Top of Bank

Existing Bottom of Bank

SW

Existing Services

Existing Site Benchmark

⊗

Proposed Site Benchmark

Proposed Boundary

Proposed Watersupply

Proposed Water Thrust Block

Proposed Water Endcap

Proposed Road

NOTES

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SURVEY INFORMATION

SURVEYED

SURVEY DATE

COORD SYSTEM

DATUM

ORIGIN OF LEVELS

Various

Various

NZGD2000

Mt Nicholas

NZVD16

xx

REV.	DRAWN	DATE	NOTE
A	GG	21.02.24	Preliminary Issue

CLIENT

Silver Creek Ltd

DESIGNED	GG
DRAWN	RG0
REVIEWED	
APPROVED	
STATUS	PRELIMINARY
SCALE	1:250 [A1] 1:500 [A3]

SILVER CREEK DEVELOPMENT

Goldfield Heights

Queenstown, Otago 9300

ROAD ALPHA

WATER SUPPLY PLAN

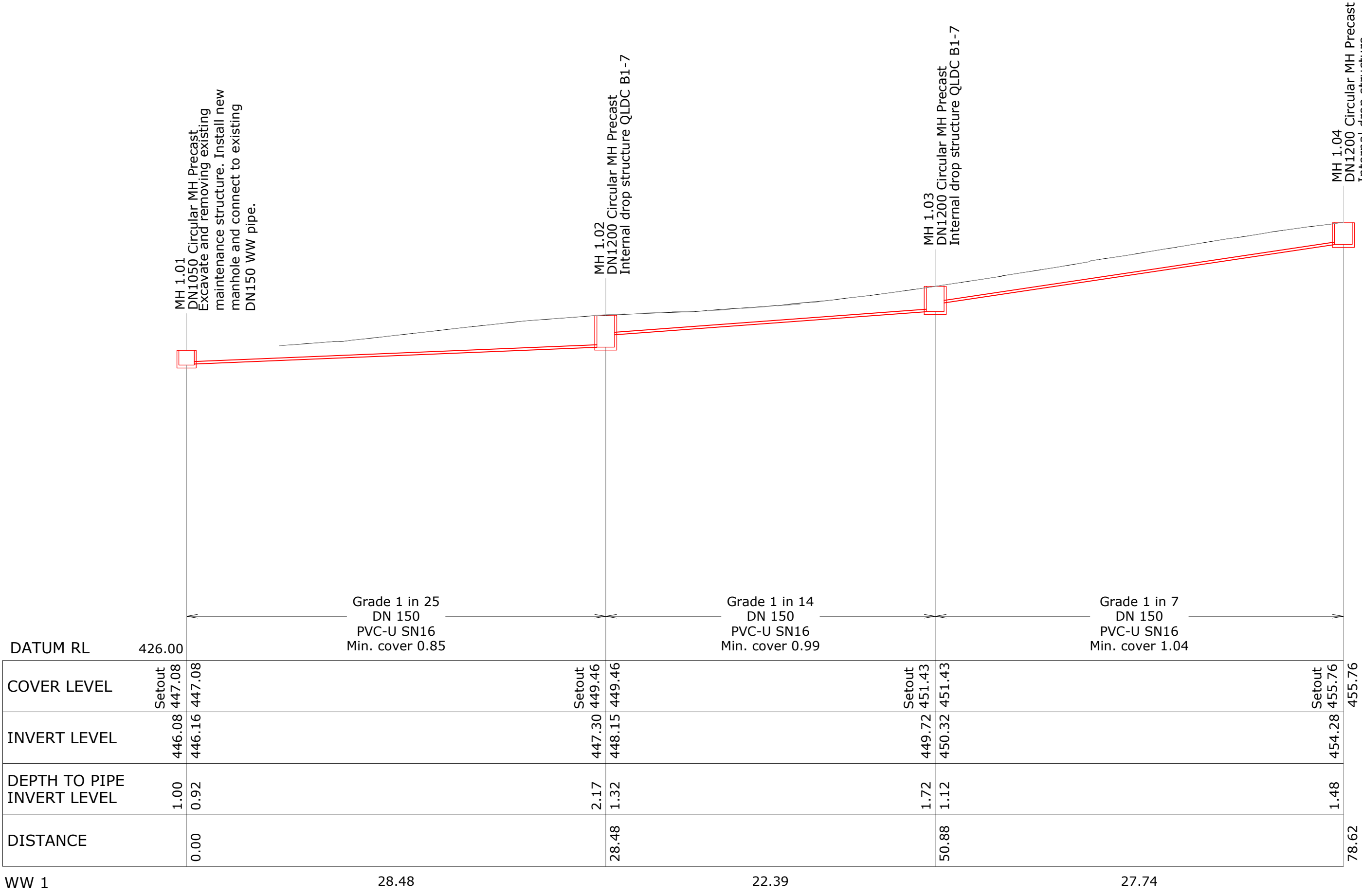
PROJECT	REV.
503073	A
SET	SHEET
C1	C403



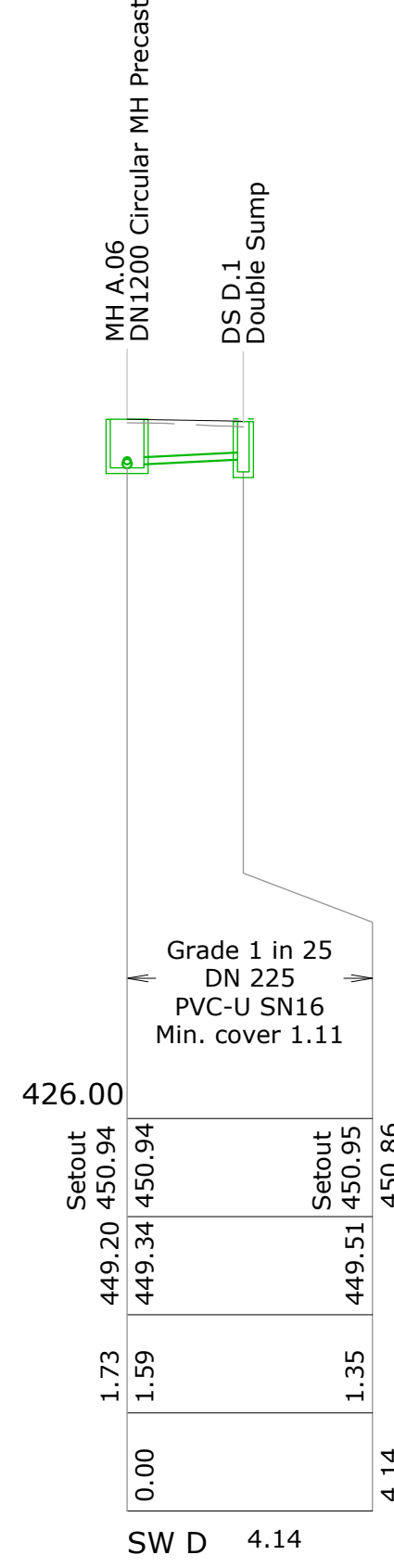
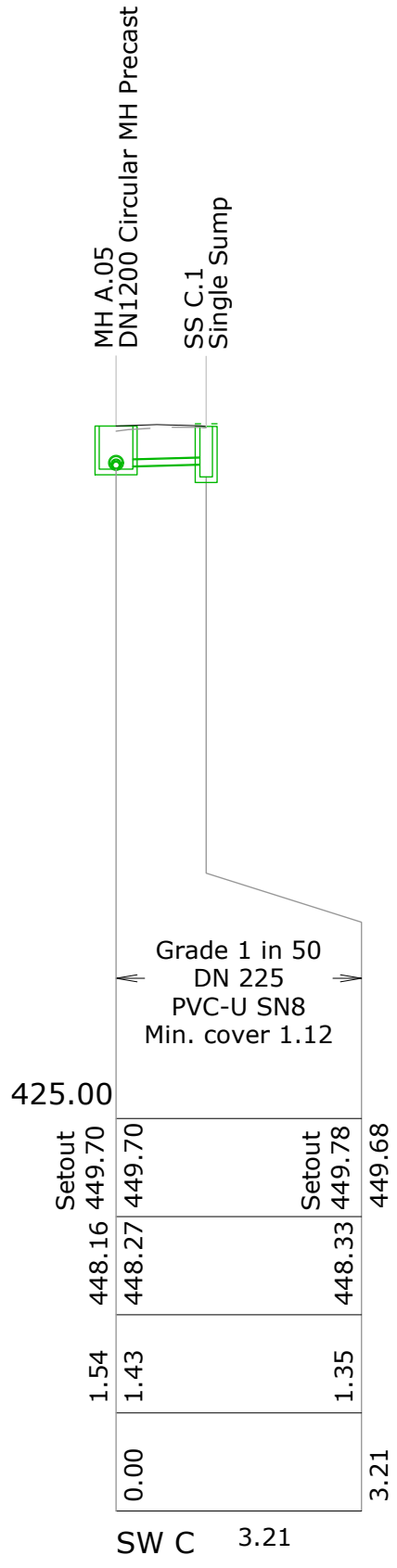
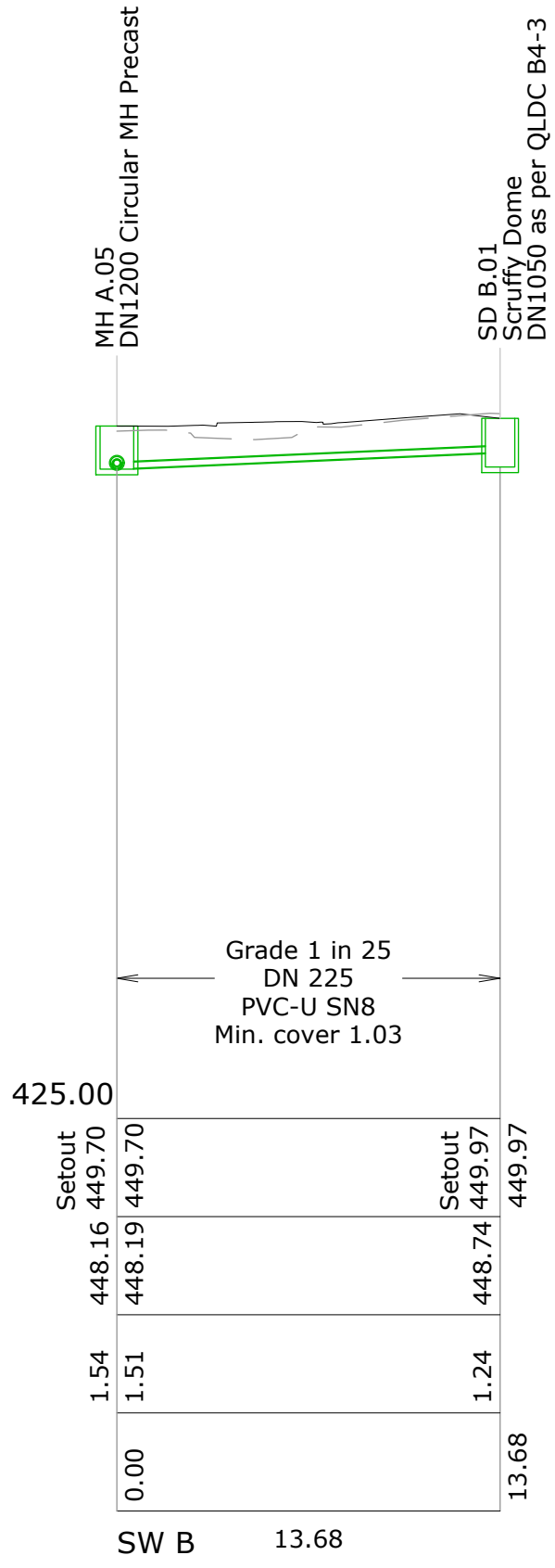
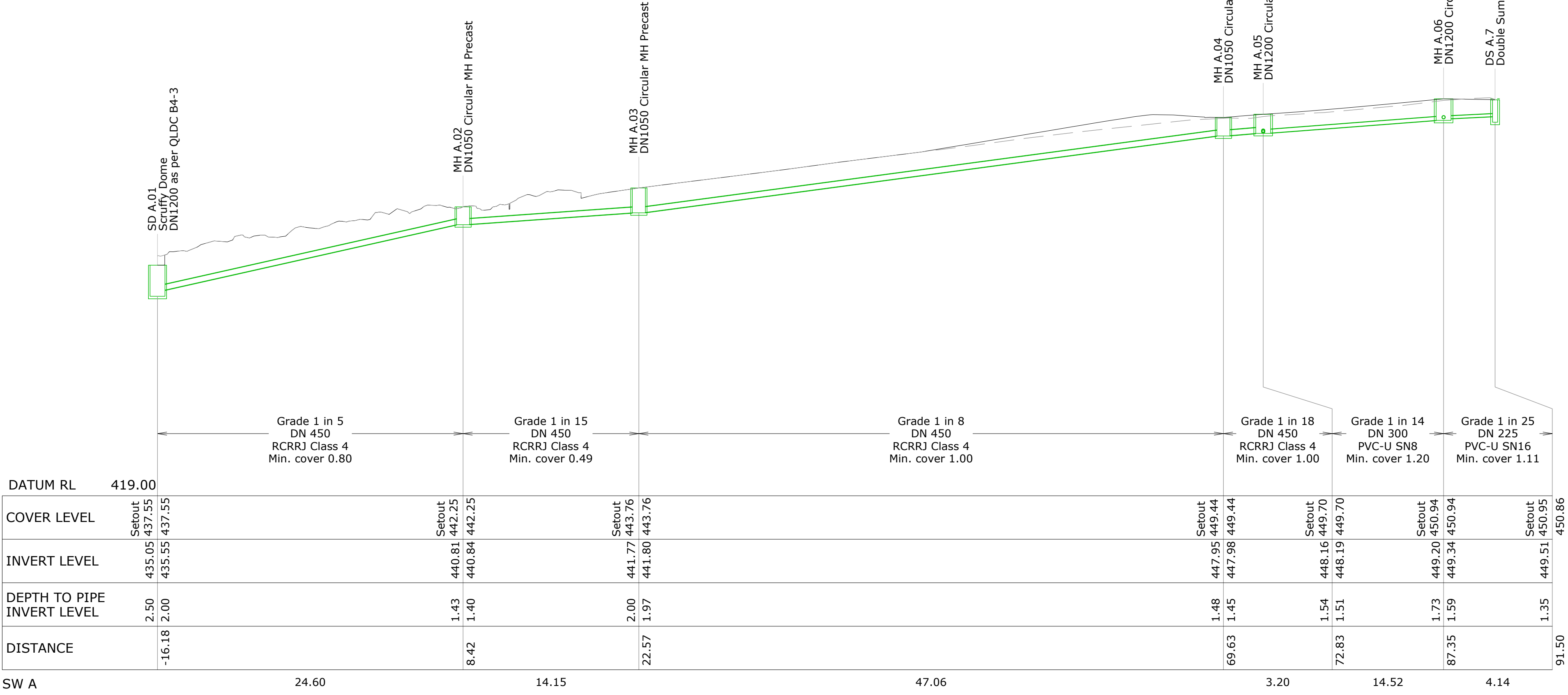
FOR DISCUSSION PURPOSES ONLY WITH
QLDC. DESIGNS SUBJECT TO CHANGE.

SCALE:
Horizontal 1:250 [A1] 1:500 [A3]
Vertical 1:250 [A1] 1:500 [A3]

LEGEND:
Design Level _____
Existing Ground - - - - -



Sizing and grades preliminary and subject
to change as detailed design progresses.



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SURVEY INFORMATION
SURVEYED
SURVEY DATE
COORD SYSTEM

DATUM
ORIGIN OF LEVELS

Various
Various
NZGD2000
Mt Nicholas
NZVD16
xx

REV. DRAWN DATE NOTE
A GG 21.02.24 Preliminary Issue

CLIENT

Silver Creek Ltd

DESIGNED
DRAWN
REVIEWED
APPROVED

STATUS
SCALE

GG
RGO

PRELIMINARY
AS SHOWN

SILVER CREEK DEVELOPMENT

Goldfield Heights
Queenstown, Otago 9300

ROAD ALPHA
THREE WATER LONG SECTIONS

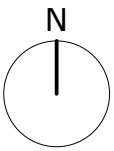
PROJECT
503073

SET
C1

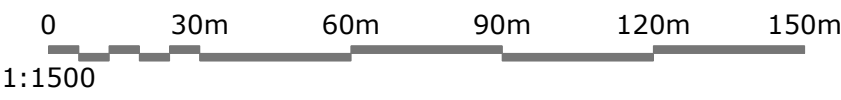
REV.
A

SHEET
C430





FOR DISCUSSION PURPOSES ONLY WITH
QLDC. DESIGNS SUBJECT TO CHANGE.



NOTES:

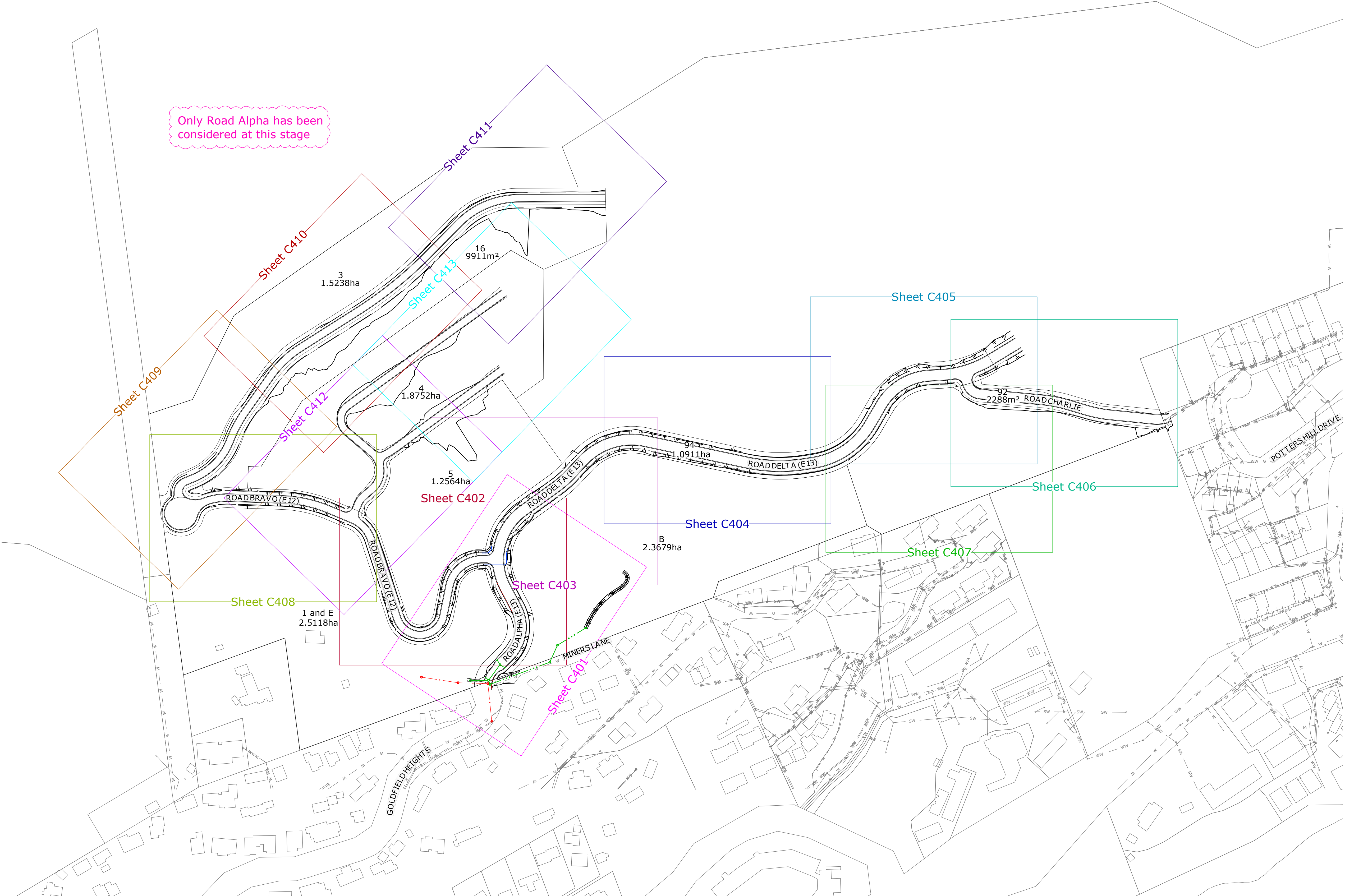
1. Plans to be read in conjunction with ESP drawing sets:
- 503073 C1 - Earthworks
 - 503073 C1 - Erosion and sediment control plan
 - 503073 C1 - Roading plan
 - 503073 C1 - Stormwater catchment and secondary flowpaths
 - 503073 C1 - Road marking and signing

SHEET INDEX:

No.	Title	Revision
400	Three Water Overview	A
401	Three Water plan 1 of 13	A
402	Three Water plan 2 of 13	A
403	Three Water plan 3 of 13	A
404	Three Water plan 4 of 13	A
405	Three Water plan 5 of 13	A
406	Three Water plan 6 of 13	A
407	Three Water plan 7 of 13	A
408	Three Water plan 8 of 13	A
409	Three Water plan 9 of 13	A
410	Three Water plan 10 of 13	A
411	Three Water plan 11 of 13	A
412	Three Water plan 12 of 13	A
413	Three Water plan 13 of 13	A

LEGEND:

	Existing LINZ Boundary
	Existing Building Outline
	Existing Services
	Proposed Wastewater
	Proposed Stormwater
	Proposed Water Supply
	Proposed Boundary
	Proposed Road



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SURVEY INFORMATION

SURVEYED
SURVEY DATE
COORD SYSTEM

DATUM
ORIGIN OF LEVELS

Various
Various
NZGD2000
Mt Nicholas
NZVD16
xx

REV.	DRAWN	DATE	NOTE
A	GG	21.02.24	Preliminary Issue

CLIENT

Silver Creek Ltd

DESIGNED
DRAWN
REVIEWED
APPROVED

STATUS
SCALE

GG
RGO

PRELIMINARY
1:1500 [A1] 1:3000 [A3]

SILVER CREEK DEVELOPMENT

Goldfield Heights
Queenstown, Otago 9300

THREE WATERS
OVERALL PLAN

PROJECT
503073

REV.
A

SET
C1

SHEET
C400

