

Homestead Bay Development Consent Application

Engineering Feasibility Assessment

VOLUME 4 – DRAWINGS

Prepared for:
RCL Homestead Bay Limited

11 April 2025

Prepared by:
Stantec New Zealand

Project/File:
310101105



Revision Schedule

Revision No.	Date	Description	Prepared by	Quality Reviewer	Independent Reviewer	Project Manager Final Approval
A	20-Dec-24	Draft discussion	Grant Kluys Nick Keenan Ben Davies Andrew Metherell Ferdie Zimmerman	Richard Bennett Matt Barber Iain Banks	Peter White	Peter White
B	13-Jan-25	Draft for discussion	Grant Kluys Nick Keenan Ben Davies Andrew Metherell Ferdie Zimmerman	Richard Bennett Matt Barber Iain Banks	Peter White	Peter White
C	11-April-25	Final Draft for Review	Grant Kluys Nick Keenan Iain Banks	Richard Bennett Matt Barber	Peter White	Peter White



Disclaimer

The conclusions in the report are Stantec's professional opinion, as of the time of the report, and concerning the scope described in the report. The opinions in the document are based on conditions and information existing at the time the document was published and do not take into account any subsequent changes. The report relates solely to the specific project for which Stantec was retained and the stated purpose for which the report was prepared. The report is not to be used or relied on for any variation or extension of the project, or for any other project or purpose, and any unauthorised use or reliance is at the recipient's own risk.

Stantec has assumed all information received from the client and third parties in the preparation of the report to be correct. While Stantec has exercised a customary level of judgment or due diligence in the use of such information, Stantec assumes no responsibility for the consequences of any error or omission contained therein.

This report is intended solely for use by the client in accordance with Stantec's contract with the client. While the report may be provided to applicable authorities having jurisdiction and others for whom the client is responsible, Stantec does not warrant the services to any third party. The report may not be relied upon by any other party without the express written consent of Stantec, which may be withheld at Stantec's discretion.

Prepared by



Signature

Grant Kluys

Printed Name

Reviewed by



Signature

Peter White

Printed Name

Approved by



Signature

Peter White

Printed Name



Drawing Number	Drawing Title	Current Revision	Drawing Status	Latest Issue Date
	EARTHWORKS 1 OF 2 - VOLUME 3			
310104425-00-000-C0002	GENERAL ARRANGEMENT - ROAD RESERVE AND CARRIAGEWAY WIDTHS	0	FOR CONSENT	11.04.2025
310104425-00-000-C0003	GENERAL ARRANGEMENT - MAIN INFRASTRUCTURE FEATURES	0	FOR CONSENT	11.04.2025
310104425-00-000-C0020	EARTHWORKS - FINISHED GROUND CONTOURS - OVERALL LAYOUT	0	FOR CONSENT	11.04.2025
310104425-00-000-C0021	EARTHWORKS - FINISHED GROUND CONTOURS - SHEET 1 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0022	EARTHWORKS - FINISHED GROUND CONTOURS - SHEET 2 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0023	EARTHWORKS - FINISHED GROUND CONTOURS - SHEET 3 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0024	EARTHWORKS - FINISHED GROUND CONTOURS - SHEET 4 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0025	EARTHWORKS - FINISHED GROUND CONTOURS - SHEET 5 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0026	EARTHWORKS - FINISHED GROUND CONTOURS - SHEET 6 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0027	EARTHWORKS - FINISHED GROUND CONTOURS - SHEET 7 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0028	EARTHWORKS - FINISHED GROUND CONTOURS - SHEET 8 OF 8	0	FOR CONSENT	11.04.2025
	EARTHWORKS 2 OF 2 - VOLUME 3			
310104425-00-000-C0030	EARTHWORKS - DEPTHS PLAN - OVERALL LAYOUT	0	FOR CONSENT	11.04.2025
310104425-00-000-C0031	EARTHWORKS - DEPTHS PLAN - SHEET 1 OF 9	0	FOR CONSENT	11.04.2025
310104425-00-000-C0032	EARTHWORKS - DEPTHS PLAN - SHEET 2 OF 9	0	FOR CONSENT	11.04.2025
310104425-00-000-C0033	EARTHWORKS - DEPTHS PLAN - SHEET 3 OF 9	0	FOR CONSENT	11.04.2025
310104425-00-000-C0034	EARTHWORKS - DEPTHS PLAN - SHEET 4 OF 9	0	FOR CONSENT	11.04.2025
310104425-00-000-C0035	EARTHWORKS - DEPTHS PLAN - SHEET 5 OF 9	0	FOR CONSENT	11.04.2025
310104425-00-000-C0036	EARTHWORKS - DEPTHS PLAN - SHEET 6 OF 9	0	FOR CONSENT	11.04.2025
310104425-00-000-C0037	EARTHWORKS - DEPTHS PLAN - SHEET 7 OF 9	0	FOR CONSENT	11.04.2025
310104425-00-000-C0038	EARTHWORKS - DEPTHS PLAN - SHEET 8 OF 9	0	FOR CONSENT	11.04.2025
310104425-00-000-C0039	EARTHWORKS - DEPTHS PLAN - SHEET 9 OF 9	0	FOR CONSENT	11.04.2025
	ROADING - VOLUME 4			
310104425-00-000-C0100	ROADING - OVERALL LAYOUT PLAN	0	FOR CONSENT	11.04.2025
310104425-00-000-C0101	ROADING - LAYOUT PLAN - SHEET 1 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0102	ROADING - LAYOUT PLAN - SHEET 2 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0103	ROADING - LAYOUT PLAN - SHEET 3 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0104	ROADING - LAYOUT PLAN - SHEET 4 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0105	ROADING - LAYOUT PLAN - SHEET 5 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0106	ROADING - LAYOUT PLAN - SHEET 6 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0107	ROADING - LAYOUT PLAN - SHEET 7 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0108	ROADING - LAYOUT PLAN - SHEET 8 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0120	ROADING - TYPICAL CROSS-SECTIONS - 24m ROAD RESERVE	0	FOR CONSENT	11.04.2025
310104425-00-000-C0121	ROADING - TYPICAL CROSS-SECTIONS - 22m AND 21m ROAD RESERVES	0	FOR CONSENT	11.04.2025
310104425-00-000-C0122	ROADING - TYPICAL CROSS-SECTIONS - 20m ROAD RESERVE	0	FOR CONSENT	11.04.2025
310104425-00-000-C0123	ROADING - TYPICAL CROSS-SECTIONS - 19m AND 18m ROAD RESERVES	0	FOR CONSENT	11.04.2025
310104425-00-000-C0124	ROADING - TYPICAL CROSS-SECTIONS - 17m ROAD RESERVE	0	FOR CONSENT	11.04.2025
310104425-00-000-C0125	ROADING - TYPICAL CROSS-SECTIONS - 16m ROAD RESERVE	0	FOR CONSENT	11.04.2025
310104425-00-000-C0126	ROADING - TYPICAL CROSS-SECTIONS - 15m ROAD RESERVE	0	FOR CONSENT	11.04.2025
310104425-00-000-C0127	ROADING - TYPICAL CROSS-SECTIONS 13.5m, 12m & 9m ROAD AND 7m LANE RESERVES	0	FOR CONSENT	11.04.2025
	UTILITIES - VOLUME 4			
310104425-00-000-C0200	UTILITIES - SW - STORMWATER - OVERALL LAYOUT	0	FOR CONSENT	11.04.2025
310104425-00-000-C0201	UTILITIES - SW - STORMWATER LAYOUT - SHEET 1 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0202	UTILITIES - SW - STORMWATER LAYOUT - SHEET 2 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0203	UTILITIES - SW - STORMWATER LAYOUT - SHEET 3 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0204	UTILITIES - SW - STORMWATER LAYOUT - SHEET 4 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0205	UTILITIES - SW - STORMWATER LAYOUT - SHEET 5 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0206	UTILITIES - SW - STORMWATER LAYOUT - SHEET 6 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0207	UTILITIES - SW - STORMWATER LAYOUT - SHEET 7 OF 8	0	FOR CONSENT	11.04.2025



ISSUED DRAWINGS REGISTER

Drawings in Current / Latest Issue shown BLUE

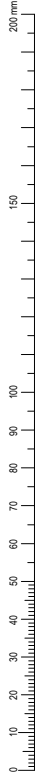
Drawing Number	Drawing Title	Current Revision	Drawing Status	Latest Issue Date
310104425-00-000-C0208	UTILITIES - SW - STORMWATER LAYOUT - SHEET 8 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0230	UTILITIES - SW - SOUTHERN CREEK BOX CULVERT PLAN AND SECTIONS	0	FOR CONSENT	11.04.2025
310104425-00-000-C0250	UTILITIES - SW - LAYOUT PLAN - MAJOR WATERCOURSES	0	FOR CONSENT	11.04.2025
310104425-00-000-C0251	STORMWATER PRE-DEVELOPMENT CATCHMENTS	0	FOR CONSENT	11.04.2025
310104425-00-000-C0252	STORMWATER POST-DEVELOPMENT CATCHMENTS	0	FOR CONSENT	11.04.2025
310104425-00-000-C0253	STORMWATER SCHEME PLAN	0	FOR CONSENT	11.04.2025
310104425-00-000-C0256	UTILITIES - SW - SW DETENTION BASINS DETAILS	0	FOR CONSENT	11.04.2025
310104425-00-000-C0261	UTILITIES - SW - TYPICAL DETAILS - ROCK REVETMENTS	0	FOR CONSENT	11.04.2025
310104425-00-000-C0266	UTILITIES - SW - TYPICAL DETAILS - IMPACT BASIN	0	FOR CONSENT	11.04.2025
310104425-00-000-C0267	UTILITIES - SW - PLAN AND CROSS-SECTION AT BRIDGE SITE	0	FOR CONSENT	11.04.2025
310104425-00-000-C0270	UTILITIES - SW - NORTH CHANNEL PLAN AND LONGITUDINAL SECTION	0	FOR CONSENT	11.04.2025
310104425-00-000-C0271	UTILITIES - SW - NORTH CHANNEL PLAN AND LONGITUDINAL SECTION	0	FOR CONSENT	11.04.2025
310104425-00-000-C0272	UTILITIES - SW - NORTH CHANNEL CROSS-SECTIONS CH0 - 1350	0	FOR CONSENT	11.04.2025
310104425-00-000-C0273	NORTHERN SWALE PLAN AND CROSS SECTIONS	0	FOR CONSENT	11.04.2025
310104425-00-000-C0274	STORMWATER - SOUTHERN SWALE A - PLAN AND CROSS SECTIONS SHT 1 OF 2	0	FOR CONSENT	11.04.2025
310104425-00-000-C0275	STORMWATER - SOUTHERN SWALE A - PLAN AND CROSS SECTIONS SHT 2 OF 2	0	FOR CONSENT	11.04.2025
310104425-00-000-C0276	STORMWATER - SOUTHERN SWALE B - PLAN AND CROSS SECTIONS	0	FOR CONSENT	11.04.2025
310104425-00-000-C0300	UTILITIES - SS - SANITARY SEWER - OVERALL LAYOUT	0	FOR CONSENT	11.04.2025
310104425-00-000-C0301	UTILITIES - SS - SANITARY SEWER LAYOUT - SHEET 1 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0302	UTILITIES - SS - SANITARY SEWER LAYOUT - SHEET 2 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0303	UTILITIES - SS - SANITARY SEWER LAYOUT - SHEET 3 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0304	UTILITIES - SS - SANITARY SEWER LAYOUT - SHEET 4 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0305	UTILITIES - SS - SANITARY SEWER LAYOUT - SHEET 5 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0306	UTILITIES - SS - SANITARY SEWER LAYOUT - SHEET 6 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0307	UTILITIES - SS - SANITARY SEWER LAYOUT - SHEET 7 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0308	UTILITIES - SS - SANITARY SEWER LAYOUT - SHEET 8 OF 8	0	FOR CONSENT	11.04.2025
310104425-00-000-C0350	UTILITIES - SS - WASTEWATER TREATMENT PLANT - PROCESS SCHEMATIC	0	FOR CONSENT	11.04.2025
310104425-00-000-C0351	SANITARY SEWER PUMP STATION A SITE PLAN	0	FOR CONSENT	11.04.2025
310104425-00-000-C0352	SANITARY SEWER PUMP STATION A SECTIONS	0	FOR CONSENT	11.04.2025
310104425-00-000-C0353	SANITARY SEWER PUMP STATION B SITE PLAN	0	FOR CONSENT	11.04.2025
310104425-00-000-C0354	SANITARY SEWER PUMP STATION B SECTIONS	0	FOR CONSENT	11.04.2025
310104425-00-000-C0355	SANITARY SEWER PUMP STATION C SITE PLAN	0	FOR CONSENT	11.04.2025
310104425-00-000-C0401	UTILITIES - WATER - WATER RISING AND FALLING MAINS LAYOUT	0	FOR CONSENT	11.04.2025
310104425-00-000-C0402	UTILITIES - WATER - BORE LOCATIONS AND ACCESS	0	FOR CONSENT	11.04.2025
310104425-00-000-C0403	UTILITIES - WATER - TREATED WATER RESERVOIRS - LAYOUT AND SECTION	0	FOR CONSENT	11.04.2025
310104425-00-000-C0404	UTILITIES - WATER - WATER TREATMENT PLANT - SCHEMATIC	0	FOR CONSENT	11.04.2025
310104425-00-000-C0405	UTILITIES - WATER - WATER TREATMENT PLANT LAYOUT	0	FOR CONSENT	11.04.2025
310104425-00-000-C0406	UTILITIES - WATER - TREATED WATER RESERVOIRS - DIMENSIONS AND OPERATING LVLS	0	FOR CONSENT	11.04.2025
	EROSION AND SEDIMENT CONTROL - VOLUME 4			
310104425-00-000-D2010	DRAFT EROSION AND SEDIMENT CONTROL PLAN - LAYOUT PLAN - ORIGINAL GROUND CONTOURS	0	FOR CONSENT	11.04.2025
310104425-00-000-D2011	DRAFT EROSION AND SEDIMENT CONTROL PLAN - MASTERPLAN LAYOUT ON FINISHED GROUND CONTOURS	0	FOR CONSENT	11.04.2025
310104425-00-000-D2012	DRAFT EROSION AND SEDIMENT CONTROL PLAN - TYPICAL CONSTRUCTION DETAILS	0	FOR CONSENT	11.04.2025
	FIGURES - VOLUME 4			
FIG.R001	ROAD CARRIAGEWAY HIERARCHY	0	FOR CONSENT	11.04.2025
FIG.R002	SHARED PATHS NETWORK	0	FOR CONSENT	11.04.2025
FIG.R003	BUS ROUTES AND STOPS	0	FOR CONSENT	11.04.2025
FIG.R004	MULTI MODAL NETWORK	0	FOR CONSENT	11.04.2025
FIG.R005	ROAD OPERATING SPEEDS	0	FOR CONSENT	11.04.2025
FIG.R006	LOCAL PARKS	0	FOR CONSENT	11.04.2025
FIG.R007	HEAVY VEHICLE DESIGN PROVISIONS	0	FOR CONSENT	11.04.2025



Drawings



DO NOT SCALE - IF IN DOUBT, ASK



ORIGINAL SIZE A1



SCALE 1:1000

LEGEND

EXISTING GROUND CONTOURS
SHOWN INTERVAL 1.0m

FINISHED GROUND CONTOURS
SHOWN INTERVAL 1.0m



NOT FOR CONSTRUCTION

FOR CONSENT

Status Stamp

Date Stamp

11.04.2025

Scales 1:1000

Drawing No.

310104425-00-000-C0101

Rev.

0

SURVEYED	Patersons	08.24
DESIGNED	Peter Thomson	03.25
DRAWN	Maninder Singh	03.25
CAD REVIEW	Brent James	11.04.25
DESIGN CHECK	Andrew Metherell	11.04.25
DESIGN REVIEW	Iain Banks	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

ROADING
LAYOUT PLAN - SHEET 1 OF 8

PL010104425-00-000-C0101.dwg

COPYRIGHT © THESE DRAWINGS SHALL ONLY BE USED FOR THE PURPOSE FOR WHICH THEY WERE SUPPLIED. ANY RE-USE IS PROHIBITED AND NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR DISTRIBUTED WITHOUT THE WRITTEN PERMISSION OF STANTEC.

C:\AUTODESK\ACAD\CD\STANTEC CONSULTING\31010106_HOMESTEAD_BAY\PROJECT FILES\01_WPI_CD\DRAWINGS\310104425-00-000-C0101.DWG

EXISTING GROUND CONTOURS
SHOWN INTERVAL 1.0m

FINISHED GROUND CONTOURS
SHOWN INTERVAL 1.0m

ORIGINAL SIZE **A1**

SCALE 1:1000

SURVEYED	Patersons	08.24
DESIGNED	Peter Thomson	03.25
DRAWN	Maninder Singh	03.25
CAD REVIEW	Brent James	11.04.25
DESIGN CHECK	Andrew Metherell	11.04.25
DESIGN REVIEW	Iain Banks	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

ROADING
LAYOUT PLAN - SHEET 2 OF 8

NOT FOR CONSTRUCTION

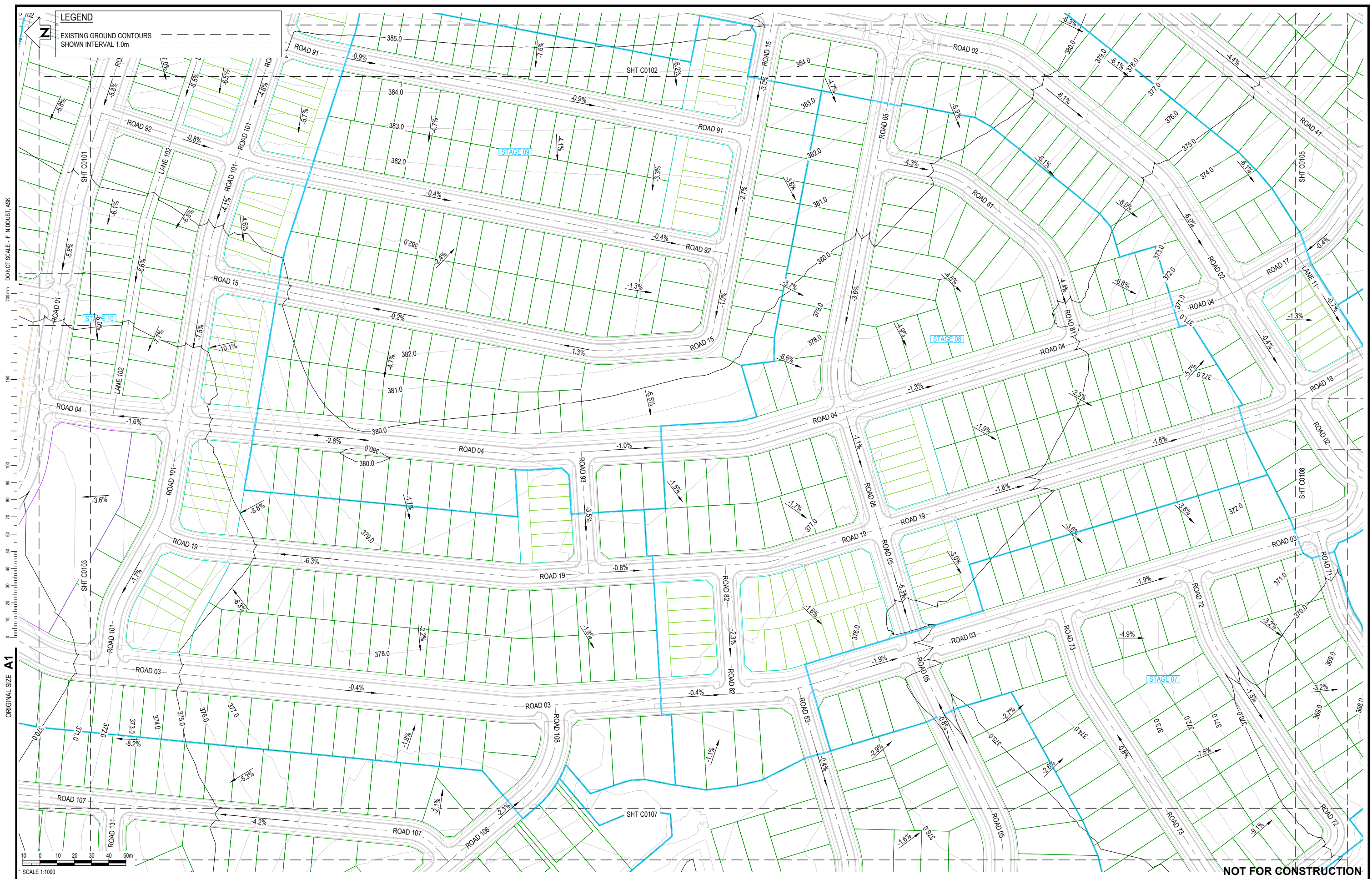
FOR CONSENT

Date Stamp 11.04.2025

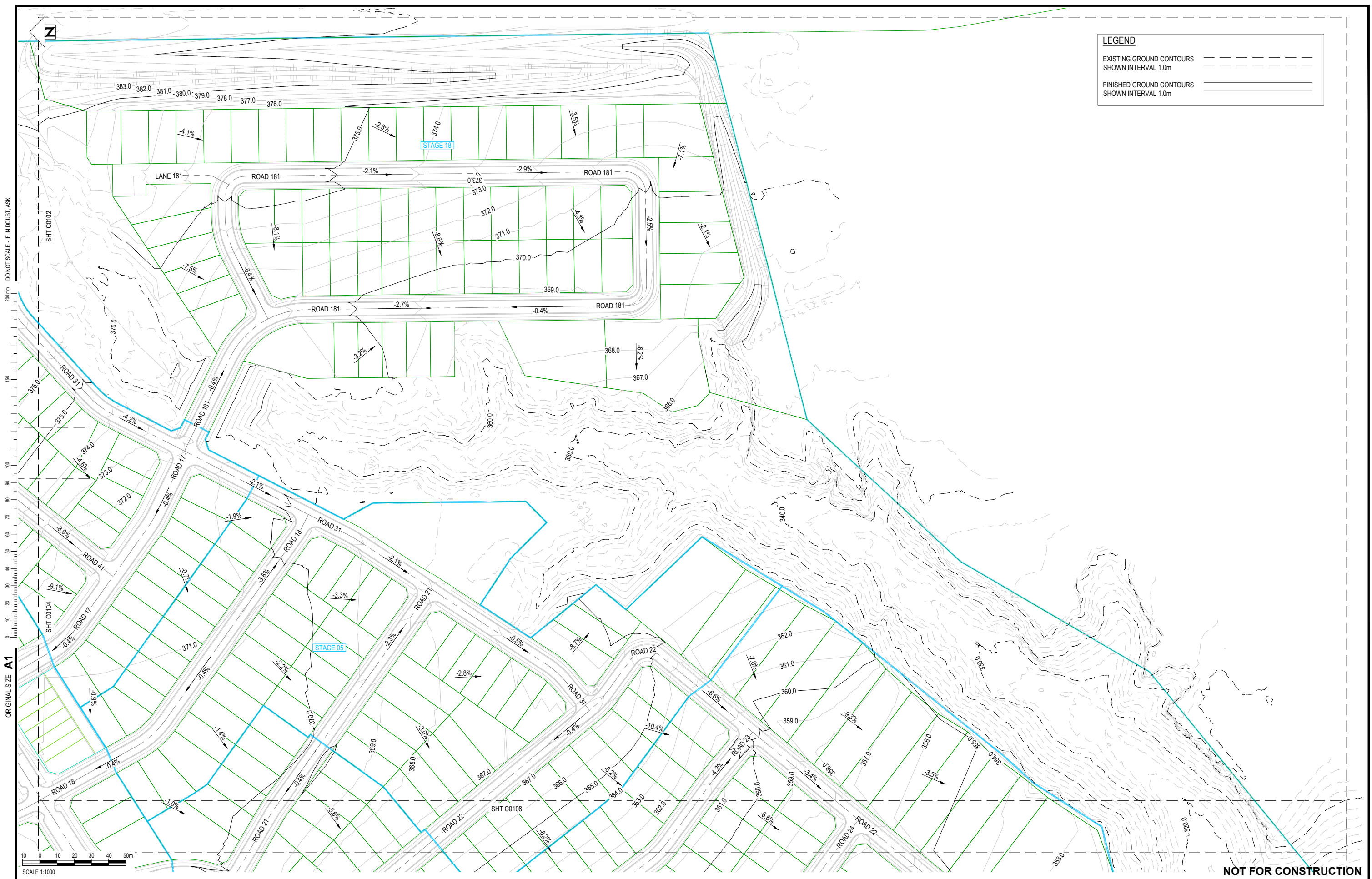
Scales 1:1000

Drawing No.	310104425-00-000-C0102	Rev.	
-------------	------------------------	------	--

0



FLUTED: 10/04/2025 2:42:18 pm									



ORIGINAL SIZE A1
DO NOT SCALE - IF IN DOUBT, ASK

LEGEND

EXISTING GROUND CONTOURS
SHOWN INTERVAL 1.0m

FINISHED GROUND CONTOURS
SHOWN INTERVAL 1.0m

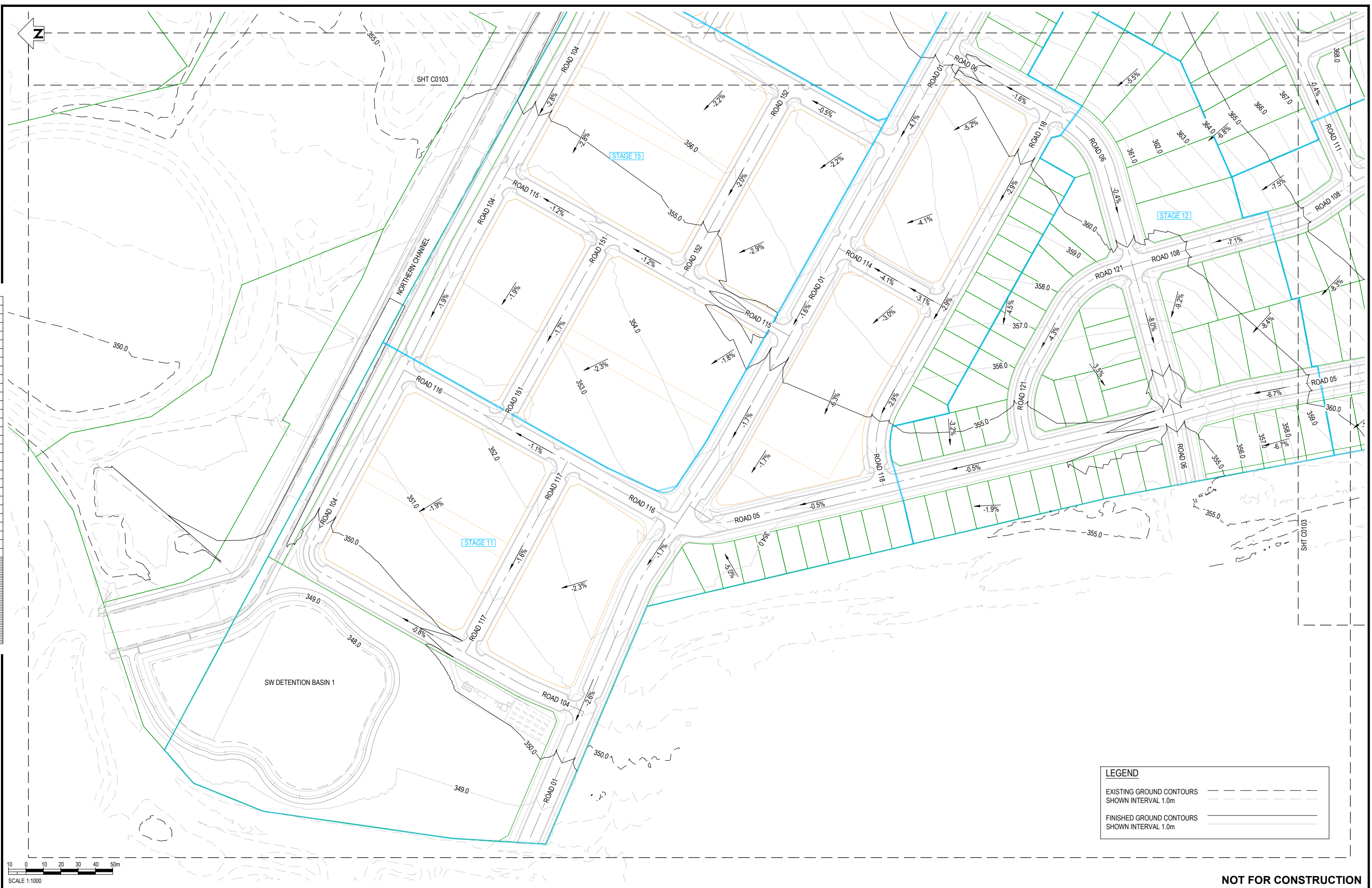
NOT FOR CONSTRUCTION

										SURVEYED		Patersons		08.24				Client: HOMESTEAD BAY SUBDIVISION, QUEENSTOWN MASTER PLANNING	Status Stamp FOR CONSENT	Date Stamp 11.04.2025	Scales 1:1000	Drawing No. 310104425-00-000-C0105	Rev. 0
										DESIGNED		Peter Thomson		03.25									
										DRAWN		Maninder Singh		03.25									
										CAD REVIEW		Brent James		11.04.25									
										DESIGN CHECK		Andrew Metherell		11.04.25									
										DESIGN REVIEW		Iain Banks		11.04.25									
										APPROVED		Peter White		11.04.25									
										PROF REGISTRATION:													
0 ISSUED FOR CONSENT										GH/BJ DRN		BJ CHK		PSW APP		11.04.25 DATE							
REVISIONS																							
COPYRIGHT © THESE DRAWINGS SHALL ONLY BE USED FOR THE PURPOSE FOR WHICH THEY WERE SUPPLIED. ANY RE-USE IS PROHIBITED AND NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR DISTRIBUTED WITHOUT THE WRITTEN PERMISSION OF STANTEC.																							
C:\AUTODESK\ACAD\CAD\CCS\STANTEC\CONSULTING\310101105_HOMESTEAD_BAY\PROJECT FILES\01_WIP_CD\DRAWING\3101010425-00-000-C0105.DWG																							

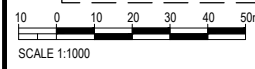
DO NOT SCALE - IF IN DOUBT, ASK

ORIGINAL SIZE A1

PLOTTED: 10/04/2025 9:43:14 pm



LEGEND	
EXISTING GROUND CONTOURS SHOWN INTERVAL 1.0m	---
FINISHED GROUND CONTOURS SHOWN INTERVAL 1.0m	—



REV	ISSUED FOR CONSENT	REVISIONS	GHVBJ DRN	BJ CHK	PSW APP	11.04.25 DATE
0	ISSUED FOR CONSENT					

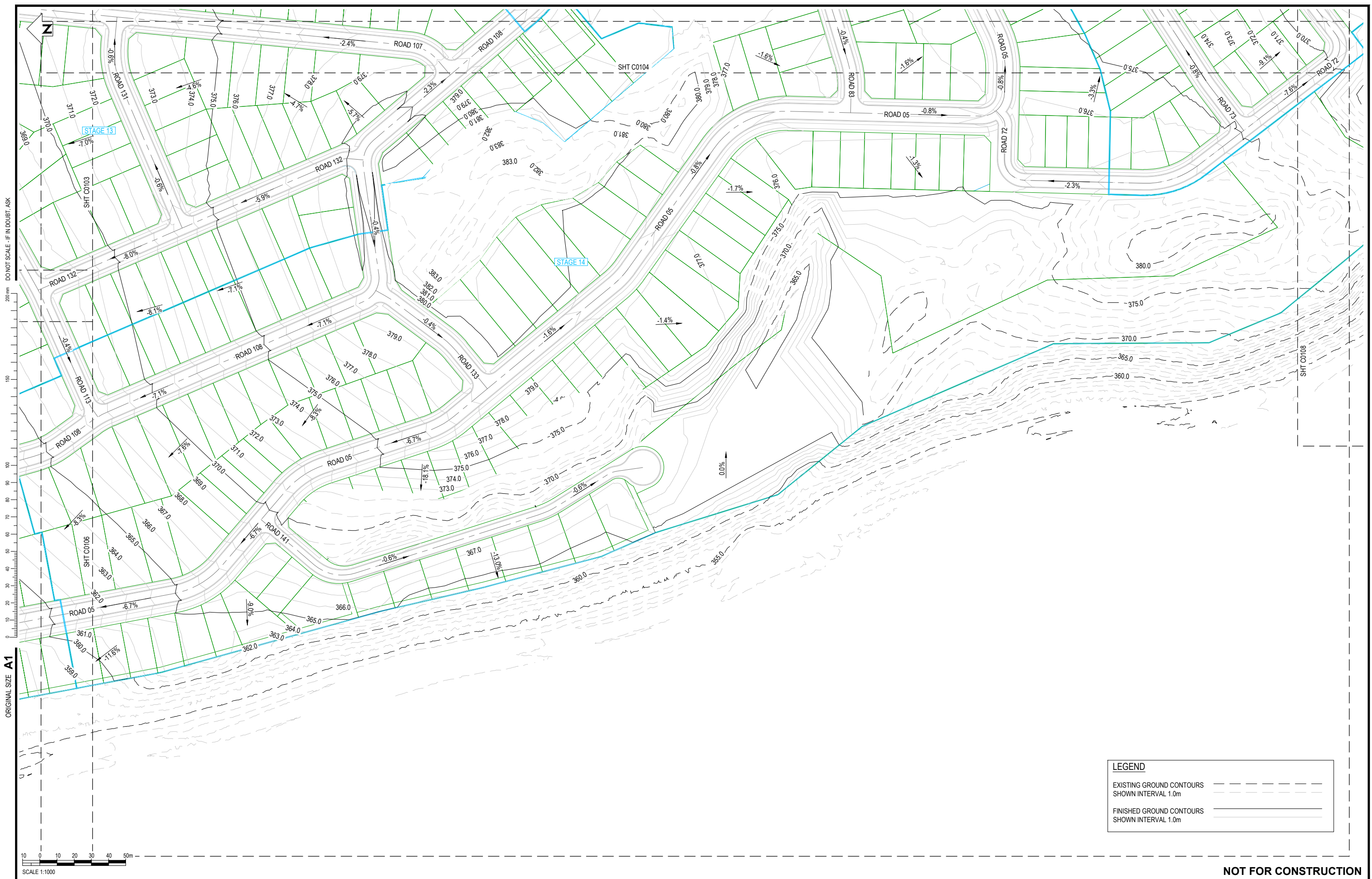
SURVEYED	Patersons	08.24
DESIGNED	Peter Thomson	03.25
DRAWN	Maninder Singh	03.25
CAD REVIEW	Brent James	11.04.25
DESIGN CHECK	Andrew Metherell	11.04.25
DESIGN REVIEW	Iain Banks	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

ROADING
LAYOUT PLAN - SHEET 6 OF 8

NOT FOR CONSTRUCTION	
Status Stamp	FOR CONSENT
Date Stamp	11.04.2025
Scales	1:1000
Drawing No.	310104425-00-000-C0106
Rev.	0



ORIGINAL SIZE A1
DO NOT SCALE - IF IN DOUBT, ASK
200 mm
150
100
90
80
70
60
50
40
30
20
10
0
10 0 10 20 30 40 50m
SCALE 1:1000
PLOTTED: 10/04/2025 2:42 pm
REV
0
ISSUED FOR CONSENT
REVISIONS
GHBVJ
DRN
BJ
CHK
PSW
APP
11.04.25
DATE
PROF REGISTRATION:

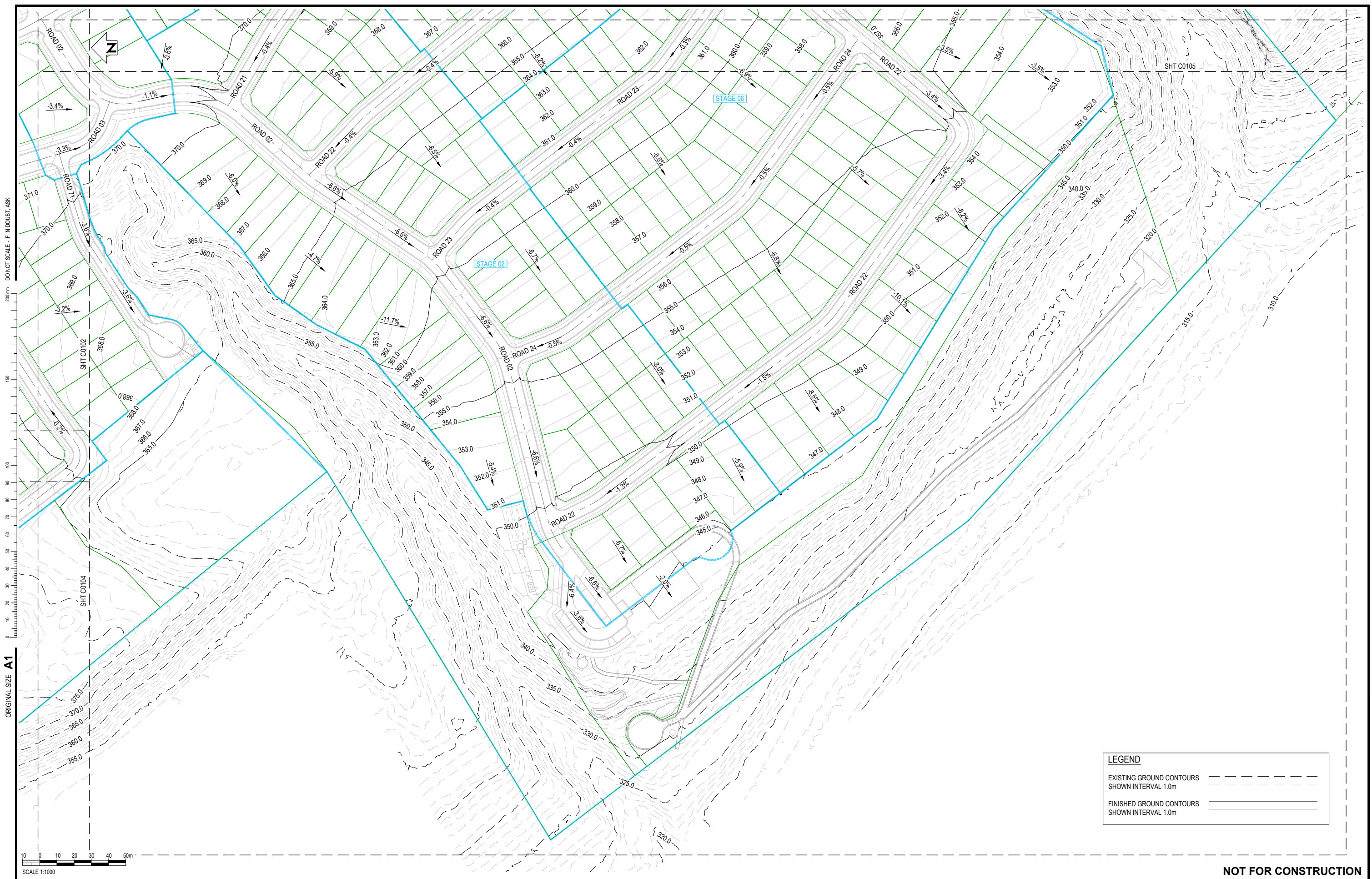
LEGEND

EXISTING GROUND CONTOURS
SHOWN INTERVAL 1.0m

FINISHED GROUND CONTOURS
SHOWN INTERVAL 1.0m

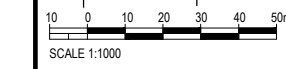
NOT FOR CONSTRUCTION

SURVEYED Patersons 08.24				Client		HOMESTEAD BAY SUBDIVISION, QUEENSTOWN		Status Stamp	
DESIGNED Peter Thomson 03.25				rcl group		MASTER PLANNING		FOR CONSENT	
DRAWN Maninder Singh 03.25								Date Stamp	
CAD REVIEW Brent James 11.04.25								11.04.2025	
DESIGN CHECK Andrew Metherell 11.04.25								Scales 1:1000	
DESIGN REVIEW Iain Banks 11.04.25								Drawing No.	
APPROVED Peter White 11.04.25								310104425-00-000-C0107	
PROF REGISTRATION:								Rev.	
								0	



DO NOT SCALE - IF IN DOUBT, ASK

ORIGINAL SIZE A1



LEGEND	
EXISTING GROUND CONTOURS SHOWN INTERVAL 1.0m	---
FINISHED GROUND CONTOURS SHOWN INTERVAL 1.0m	---

NOT FOR CONSTRUCTION

REV	ISSUED FOR CONSENT	REVISIONS	GHVBJ DRN	BJ CHK	PSW APP	11.04.25 DATE
0	ISSUED FOR CONSENT					

SURVEYED	Patersons	08.24
DESIGNED	Peter Thomson	03.25
DRAWN	Maninder Singh	03.25
CAD REVIEW	Brent James	11.04.25
DESIGN CHECK	Andrew Metherell	11.04.25
DESIGN REVIEW	Iain Banks	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

ROADING
LAYOUT PLAN - SHEET 8 OF 8

Status Stamp	FOR CONSENT
Date Stamp	11.04.2025
Scales	1:1000
Drawing No.	310104425-00-000-C0108
Rev.	0

DO NOT SCALE - IF IN DOUBT, ASK

200 mm
150
100
90
80
70
60
50
40
30
20
10
0

ORIGINAL SIZE A1

PLOTTED: 10/04/2025 14:46 pm

RESIDENTIAL LOTS

RESIDENTIAL LOTS

RESIDENTIAL LOTS

RESIDENTIAL LOTS

RESIDENTIAL LOTS

RESIDENTIAL LOTS

ROADS 01-06 (TBA)

ALL OTHER ROADS

DRIVEWAYS & ACCESS WAYS

FOOTPATHS

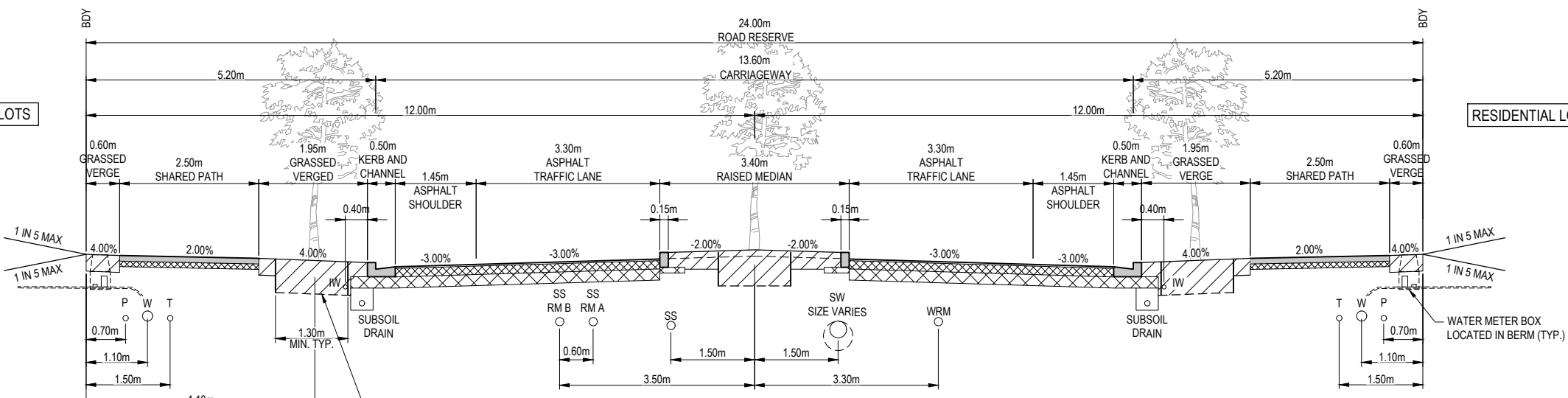
PAVEMENT LAYERS

SCALE 1 : 25

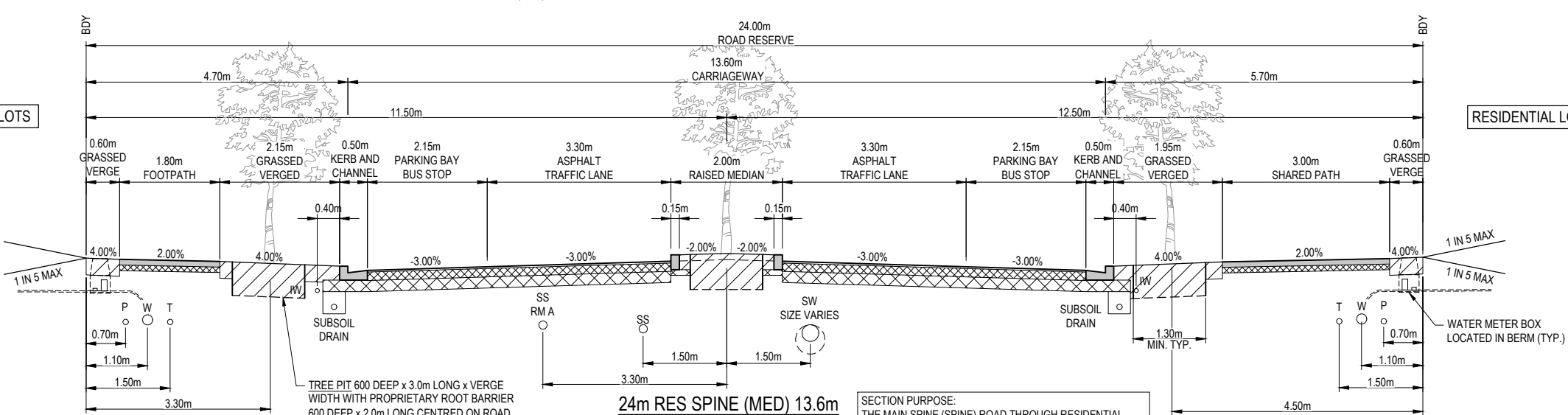
NOTE: ALL PAVEMENT LAYER DEPTHS BASED ON SUBGRADE CBR GREATER THAN OR EQUAL TO 7

MINIMUM COVER TABLE		
CODE	SERVICE	MINIMUM COVER
W	WATERMAIN	1000
WR	RIDERMAIN	1000
WRM	WATER RISING MAIN	1000
IW	IRRIGATION WATER	400
T	TELECOMMS	750
P	POWER	LV 750 HV 1000
SS	SANITARY SEWER + LPS	1000
SS RM	SANITARY SEWER RISING MAIN	1000
SW	STORMWATER	1000

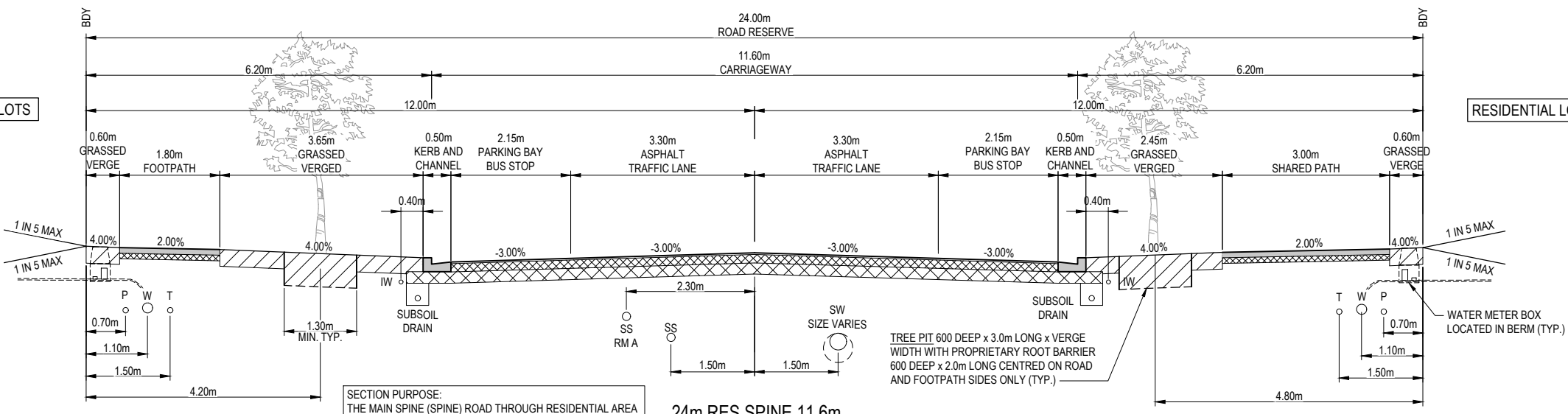
ABBREVIATIONS			
CYC	CYCLE ROUTE	SIDE	SIDE STREET
HD	HIGH DENSITY	SEC	SECONDARY
MED	MEDIAN	STD	STANDARD
OS	OPEN SPACE	TC	TOWN CENTRE
RES	RESIDENTIAL		



SECTION PURPOSE:
THE MAIN SPINE ROAD ENTRANCE (ENTRANCE) FROM SH6 TO THE FIRST ROUNDABOUT. NO PARKING PROVIDED, WITH MEDIAN (MED).



SECTION PURPOSE:
THE MAIN SPINE (SPINE) ROAD THROUGH RESIDENTIAL AREA (RES) WITH SEPARATE TRAFFIC AND PARKING LANES CAPABLE OF ACCOMMODATING BUS AND SERVICE VEHICLES WITH A RAISED LANDSCAPED MEDIAN (MED).



SECTION PURPOSE:
THE MAIN SPINE (SPINE) ROAD THROUGH RESIDENTIAL AREA (RES) WITH SEPARATE TRAFFIC AND PARKING LANES CAPABLE OF ACCOMMODATING BUS AND SERVICE VEHICLES.



REV	ISSUED FOR CONSENT	REVISIONS	GH	PAT	PSW	11.04.25
0			DRN	CHK	APP	DATE

SURVEYED	Patersons	08.24
DESIGNED	Andrew Metherell	03.25
DRAWN	Gerhard Heyden / Brent James	03.25
CAD REVIEW	Peter Thomson	11.04.25
DESIGN CHECK	Iain Banks	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

ROADING
TYPICAL CROSS-SECTIONS - 24m ROAD RESERVE

NOT FOR CONSTRUCTION	
Status Stamp	FOR CONSENT
Date Stamp	11.04.2025
Scales	1:50
Drawing No.	310104425-00-000-C0120
Rev.	0

DO NOT SCALE - IF IN DOUBT, ASK

200 mm

150

100

90

80

70

60

50

40

30

20

10

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

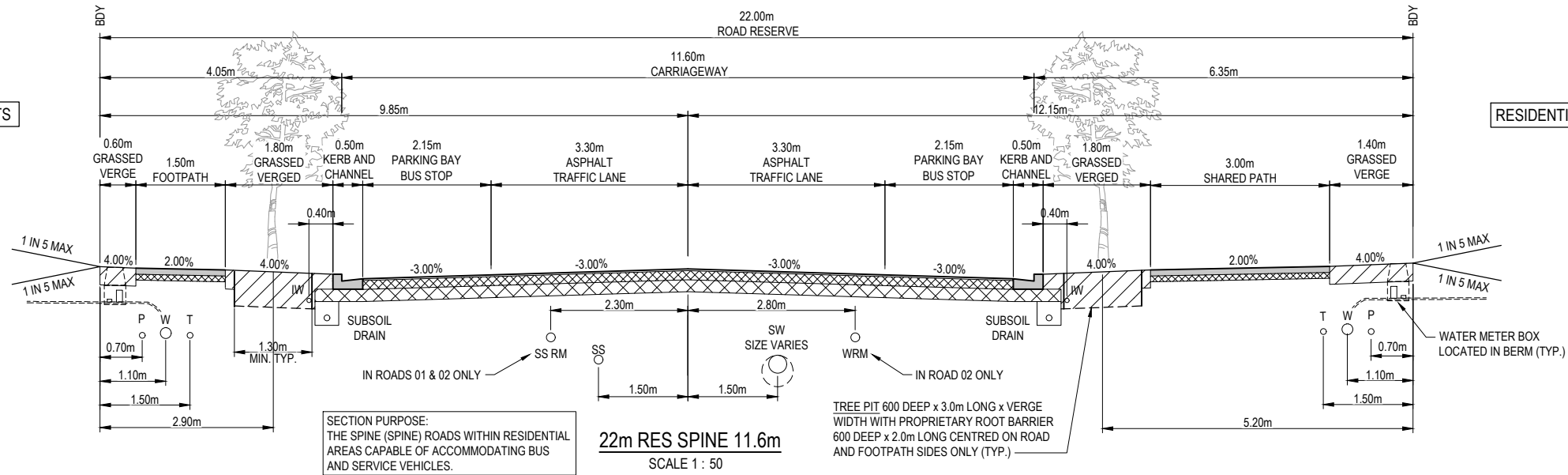
0

0

0

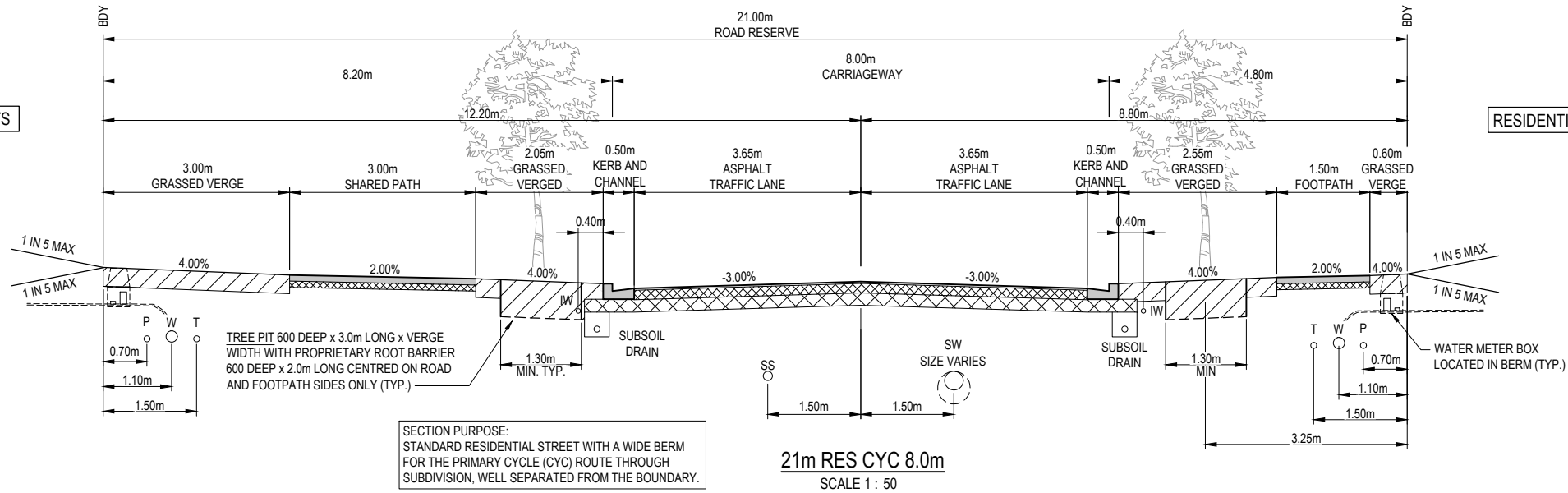
RESIDENTIAL LOTS

RESIDENTIAL LOTS



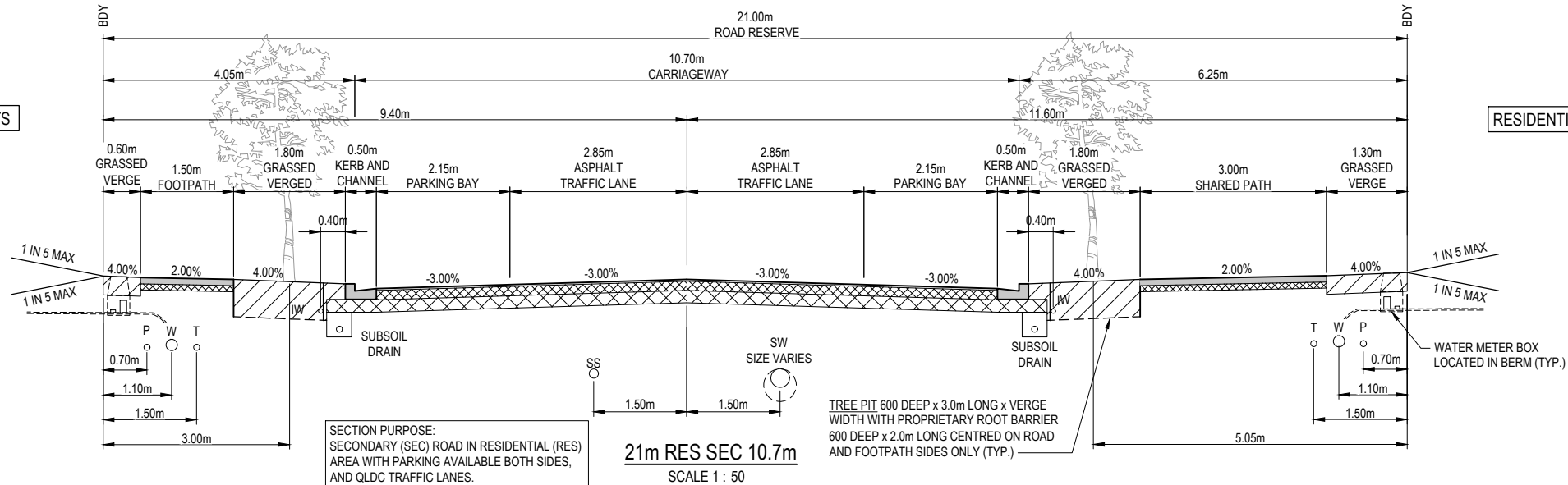
RESIDENTIAL LOTS

RESIDENTIAL LOTS



RESIDENTIAL LOTS

RESIDENTIAL LOTS



SCALE 1:50

BLD 01/02/2025 14:22:00

COPYRIGHT © THESE DRAWINGS SHALL ONLY BE USED FOR THE PURPOSE FOR WHICH THEY WERE SUPPLIED. ANY RE-USE IS PROHIBITED AND NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR DISTRIBUTED WITHOUT THE WRITTEN PERMISSION OF STANTEC.

SURVEYED	Patersons	08.24
DESIGNED	Andrew Metherell	03.25
DRAWN	Gerhard Heyden / Brent James	03.25
CAD REVIEW	Peter Thomson	11.04.25
DESIGN CHECK	Iain Banks	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

ROADING
TYPICAL CROSS-SECTIONS - 22m AND 21m ROAD RESERVES

NOT FOR CONSTRUCTION

Status Stamp	FOR CONSENT
Date Stamp	11.04.2025
Scales	1:50
Drawing No.	310104425-00-000-C0121
Rev.	0

DO NOT SCALE - IF IN DOUBT, ASK

200 mm

150

100

90

80

70

60

50

40

30

20

10

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

ORIGINAL SIZE A1



SCALE 1:50

0 ISSUED FOR CONSENT

REVISIONS

BJ PAT PSW 11.04.25

DRN CHK APP DATE

SURVEYED	Patersons	08.24
DESIGNED	Andrew Metherell	03.25
DRAWN	Gerhard Heyden / Brent James	03.25
CAD REVIEW	Peter Thomson	11.04.25
DESIGN CHECK	Iain Banks	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		

PROF REGISTRATION:



Client



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

ROADING
TYPICAL CROSS-SECTIONS - 20m ROAD RESERVE

NOT FOR CONSTRUCTION

Status Stamp
FOR CONSENT

Date Stamp
11.04.2025

Scales 1:50

Drawing No.
310104425-00-000-C0122

Rev.
0

C:\AUTODESK\ACCORDS\STANTEC CONSULTING\310101105_HOMESTEAD_BAY\PROJECT FILES\01_WIP_CDRAWINGS\310104425-00-000-C0122.DWG

DO NOT SCALE - IF IN DOUBT, ASK

200 mm

150

100

80

70

60

50

40

30

20

10

0

ORIGINAL SIZE A1

1 0 1 2m
SCALE 1:50

PLotted: 10/04/2025 9:46:24 am

REV	ISSUED FOR CONSENT	REVISIONS	BJ	PAT	PSW	11.04.25
0	ISSUED FOR CONSENT		DRN	CHK	APP	DATE

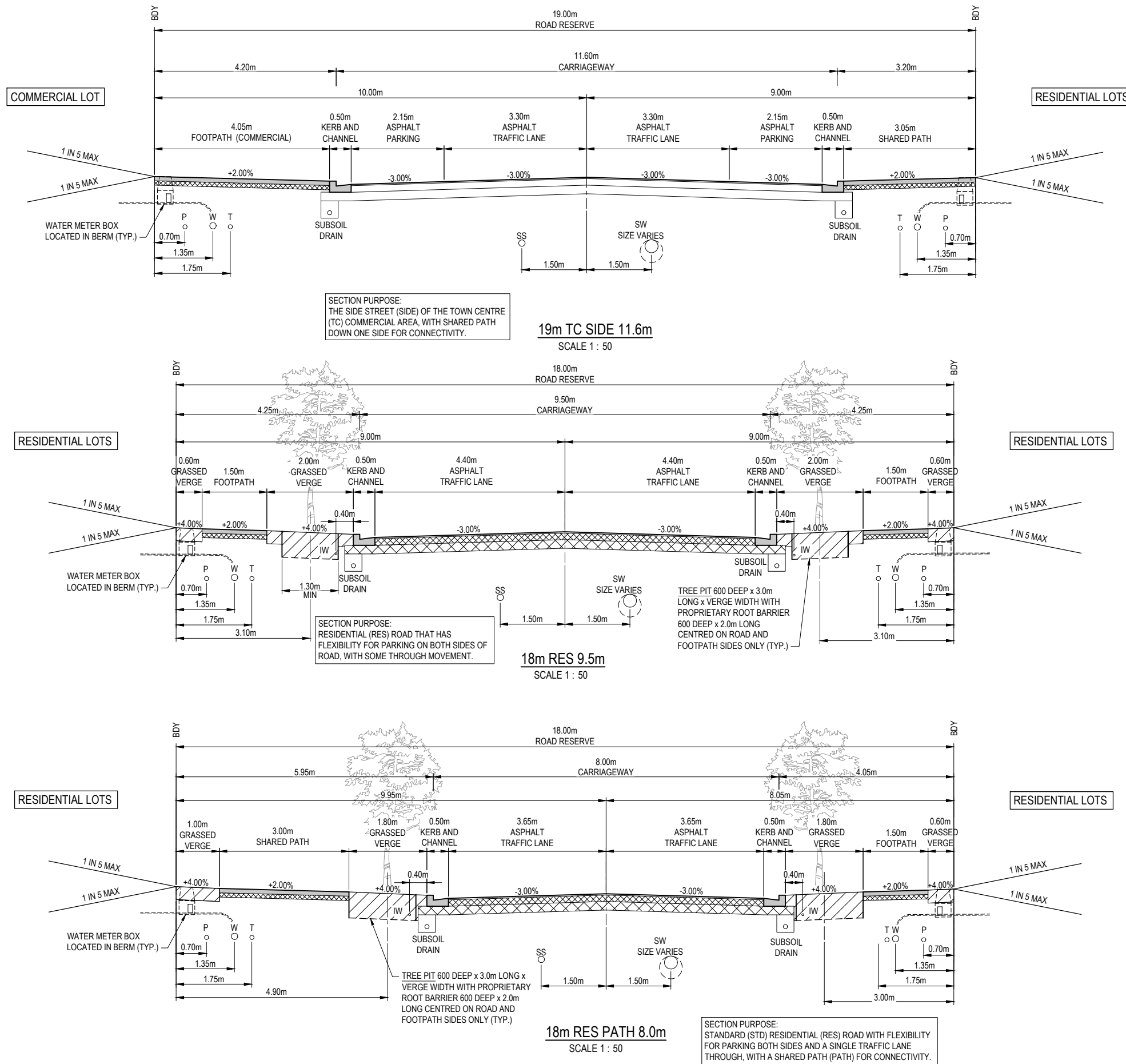
SURVEYED	Patersons	08.24
DESIGNED	Andrew Metherell	03.25
DRAWN	Gerhard Heyden / Brent James	03.25
CAD REVIEW	Peter Thomson	11.04.25
DESIGN CHECK	Iain Banks	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

ROADING
TYPICAL CROSS-SECTIONS - 19m AND 18m ROAD RESERVES

Status Stamp	FOR CONSENT
Date Stamp	11.04.2025
Scales	1:50
Drawing No.	310104425-00-000-C0123
Rev.	0

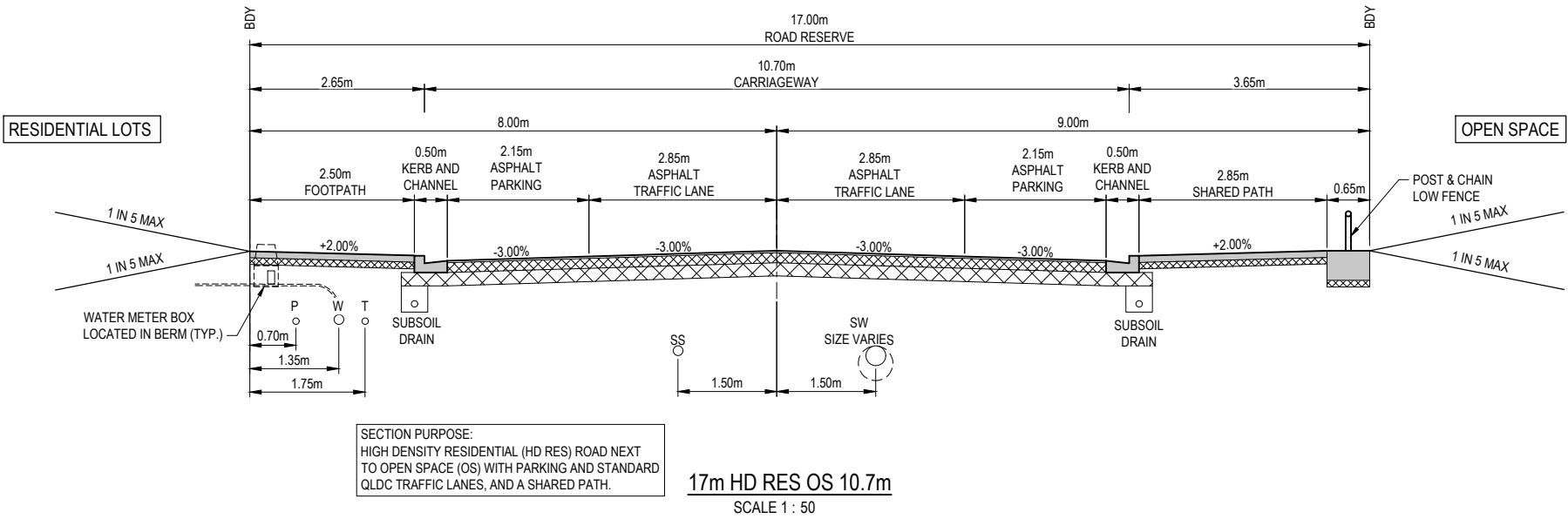
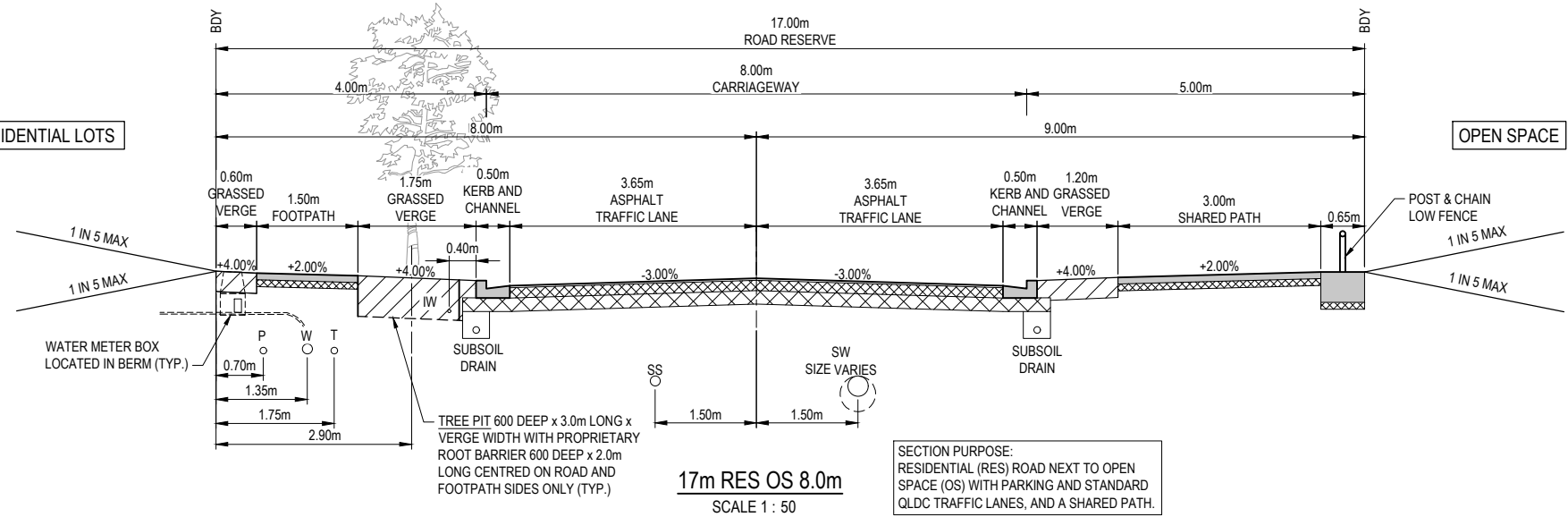


NOT FOR CONSTRUCTION

DO NOT SCALE - IF IN DOUBT, ASK

200 mm
150
100
90
80
70
60
50
40
30
20
10
0

ORIGINAL SIZE A1



1 0 1 2m
SCALE 1:50

REV	ISSUED FOR CONSENT	BG	PAT	PSW	11.04.25
0		DRN	CHK	APP	DATE
REVISIONS					

SURVEYED	Patersons	08.24
DESIGNED	Andrew Metherell	03.25
DRAWN	Gerhard Heyden / Brent James	03.25
CAD REVIEW	Peter Thomson	11.04.25
DESIGN CHECK	Iain Banks	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING
ROADING
TYPICAL CROSS-SECTIONS - 17m ROAD RESERVE

Status Stamp	FOR CONSENT
Date Stamp	11.04.2025
Scales	1:50
Drawing No.	310104425-00-000-C0124
Rev.	0

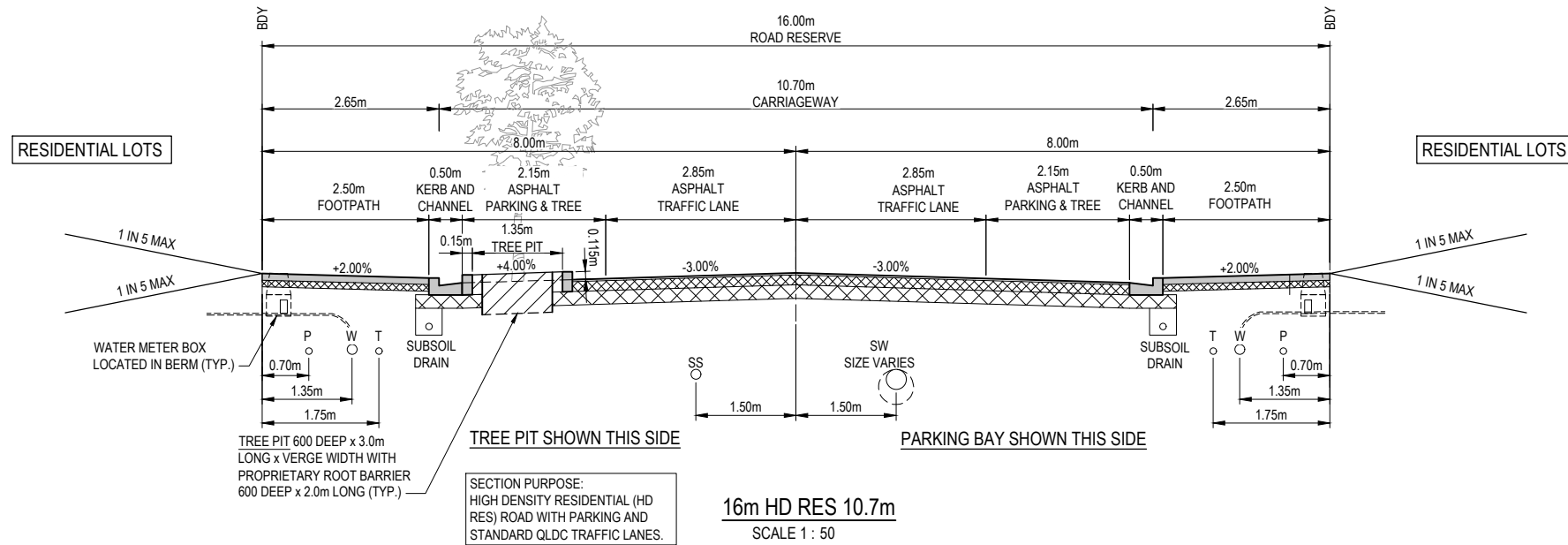
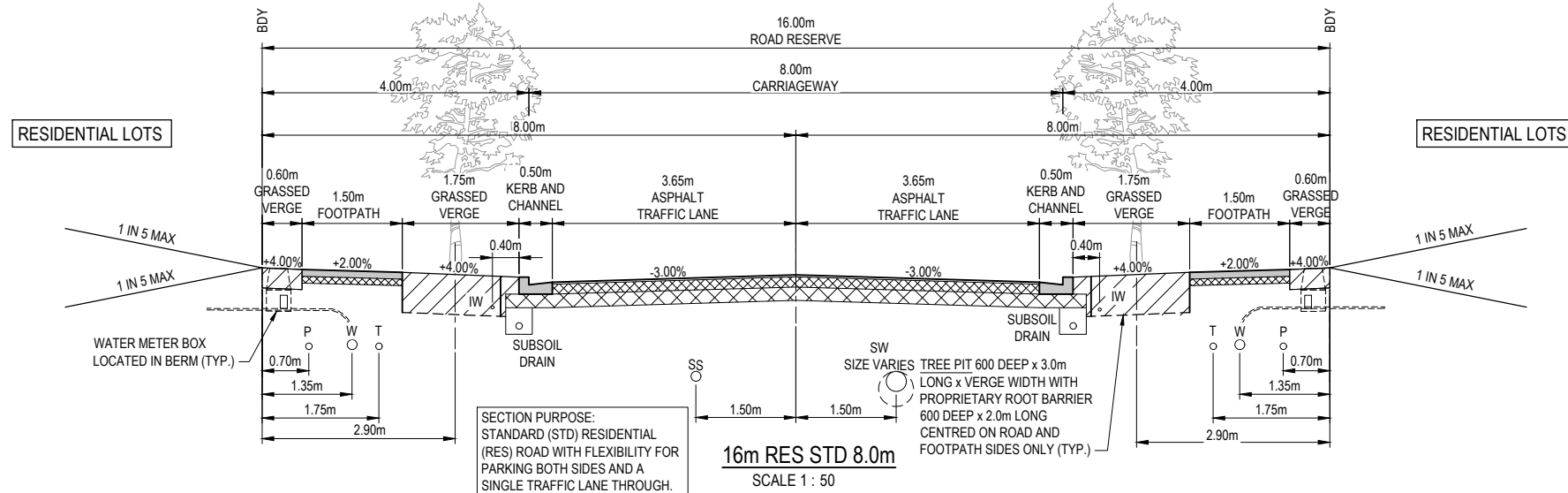
NOT FOR CONSTRUCTION

DO NOT SCALE - IF IN DOUBT, ASK

200 mm
150
100
90
80
70
60
50
40
30
20
10
0

ORIGINAL SIZE A1

1 0 1 2m
SCALE 1:50



NOT FOR CONSTRUCTION

REV	ISSUED FOR CONSENT	BM	PAT	PSW	11.04.25
REV	ISSUED FOR CONSENT	DRN	CHK	APP	DATE
0	ISSUED FOR CONSENT				

SURVEYED	Patersons	08.24
DESIGNED	Andrew Metherell	03.25
DRAWN	Gerhard Heyden / Brent James	03.25
CAD REVIEW	Peter Thomson	11.04.25
DESIGN CHECK	Iain Banks	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

ROADING
TYPICAL CROSS-SECTIONS - 16m ROAD RESERVE

Status Stamp	FOR CONSENT
Date Stamp	11.04.2025
Scales	1:50
Drawing No.	310104425-00-000-C0125
Rev.	0

DO NOT SCALE - IF IN DOUBT, ASK

200 mm
150
100
90
80
70
60
50
40
30
20
10
0

ORIGINAL SIZE A1

1 0 1 2m
SCALE 1:50

PLT DTB: 10/04/2025 2:41:41 pm

REV	ISSUED FOR CONSENT	REVISIONS	BM	PAT	PSW	11.04.25
0	ISSUED FOR CONSENT		DRN	CHK	APP	DATE

COPYRIGHT © THESE DRAWINGS SHALL ONLY BE USED FOR THE PURPOSE FOR WHICH THEY WERE SUPPLIED. ANY RE-USE IS PROHIBITED AND NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR DISTRIBUTED WITHOUT THE WRITTEN PERMISSION OF STANTEC.

SURVEYED	Patersons	08.24
DESIGNED	Andrew Metherell	03.25
DRAWN	Gerhard Heyden / Brent James	03.25
CAD REVIEW	Peter Thomson	11.04.25
DESIGN CHECK	Iain Banks	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



Client



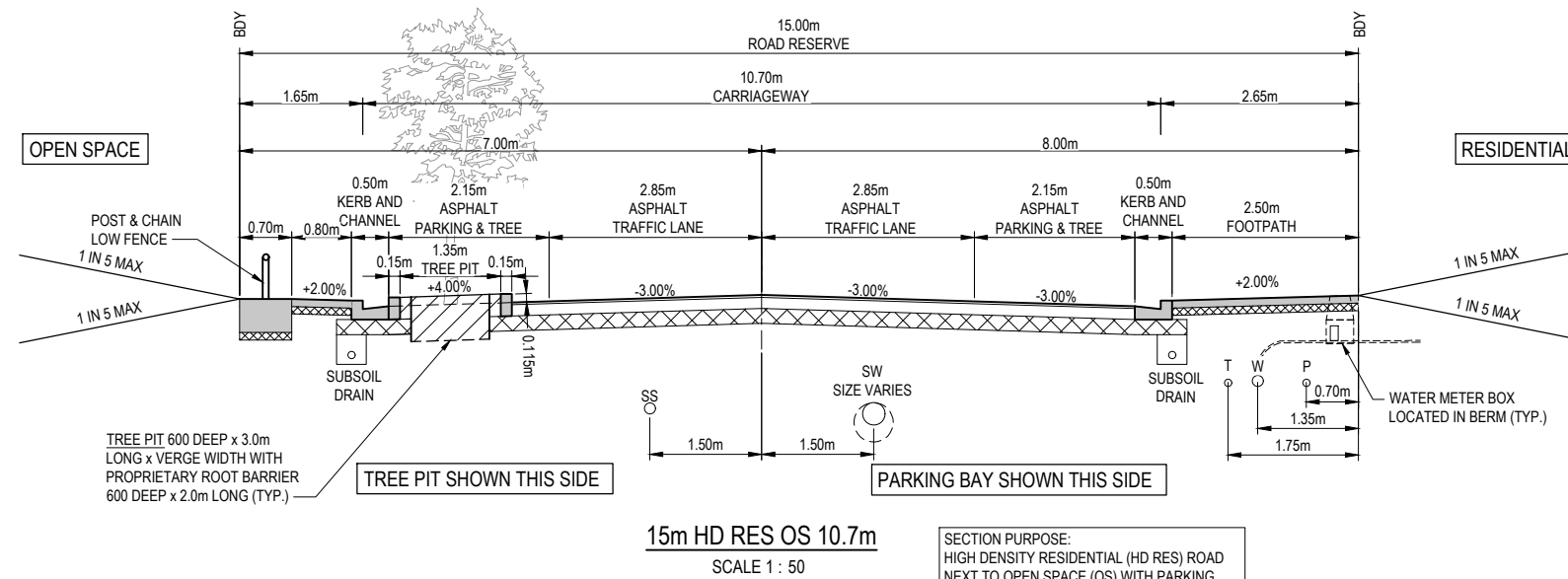
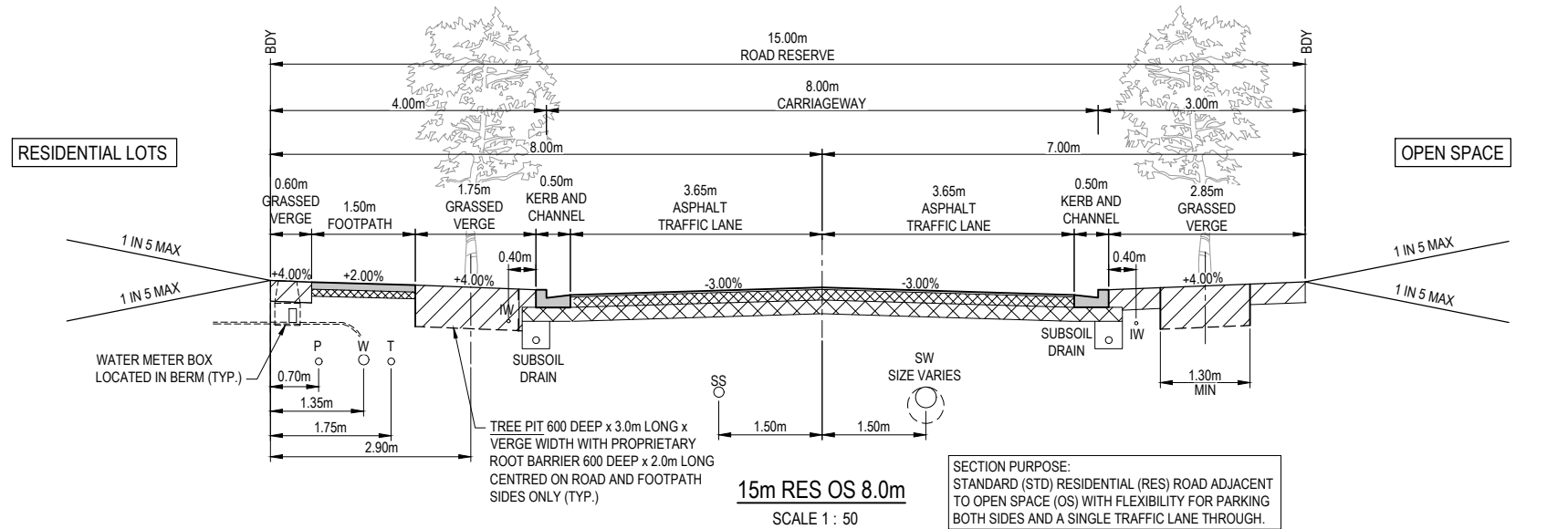
HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

ROADING
TYPICAL CROSS-SECTIONS - 15m ROAD RESERVE

NOT FOR CONSTRUCTION

Status Stamp	FOR CONSENT
Date Stamp	11.04.2025
Scales	1:50
Drawing No.	310104425-00-000-C0126
Rev.	0

C:\AUTODESK\ACCORD\STANTEC\CONSULTING\310101105_HOMESTEAD_BAY\PROJECT FILES\01_WIP_CDRAWINGS\310104425-00-000-C0126.DWG



DO NOT SCALE - IF IN DOUBT, ASK

200 mm

150

100

50

0

10

20

30

40

50

60

70

80

90

100

110

120

130

140

150

160

170

180

190

200

210

220

230

240

250

260

270

280

290

300

ORIGINAL SIZE A1

1 0 1 2m
SCALE 1:50

PLotted: 10/04/2025 9:48:38 am

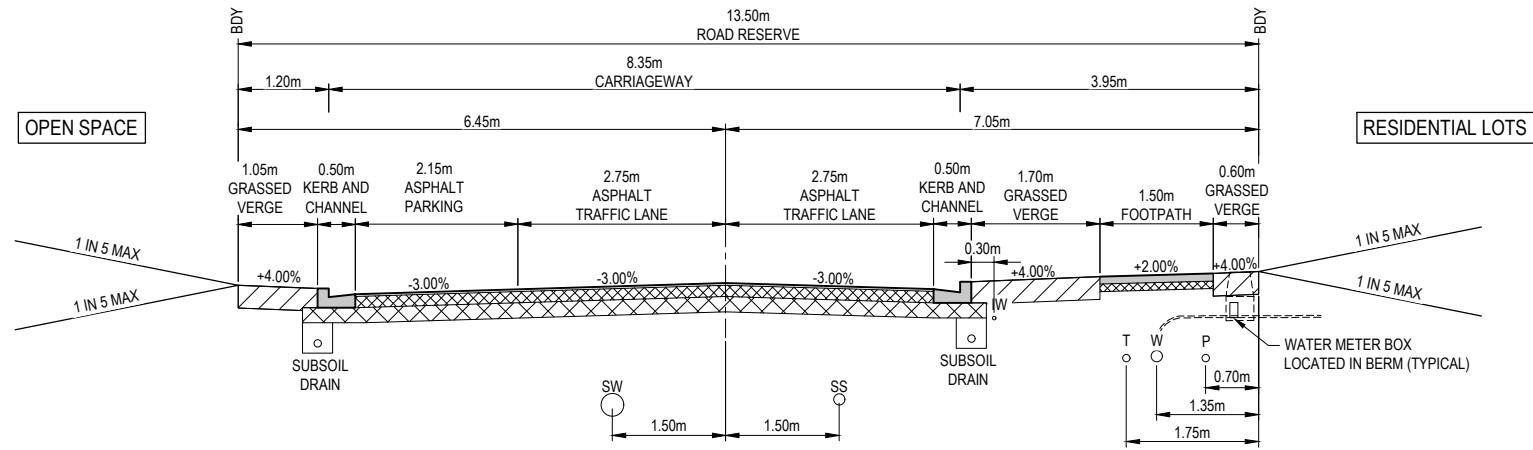
REV	ISSUED FOR CONSENT	BG	PAT	PSW	11.04.25
0		DRN	CHK	APP	DATE
REVISIONS					

SURVEYED	Patersons	08.24
DESIGNED	Andrew Metherell	03.25
DRAWN	Gerhard Heyden / Brent James	03.25
CAD REVIEW	Peter Thomson	11.04.25
DESIGN CHECK	Iain Banks	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



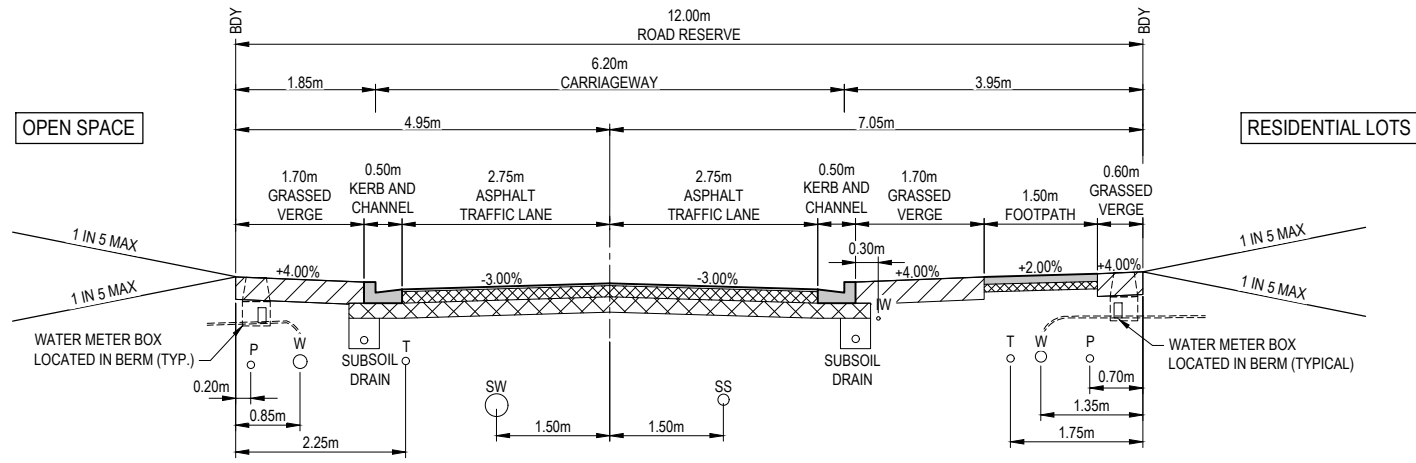
HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING
ROADING - TYPICAL CROSS-SECTIONS
13.5m, 12m & 9m ROAD AND 7m LANE RESERVES

Status Stamp	FOR CONSENT
Date Stamp	11.04.2025
Scales	1:50
Drawing No.	310104425-00-000-C0127
Rev.	0



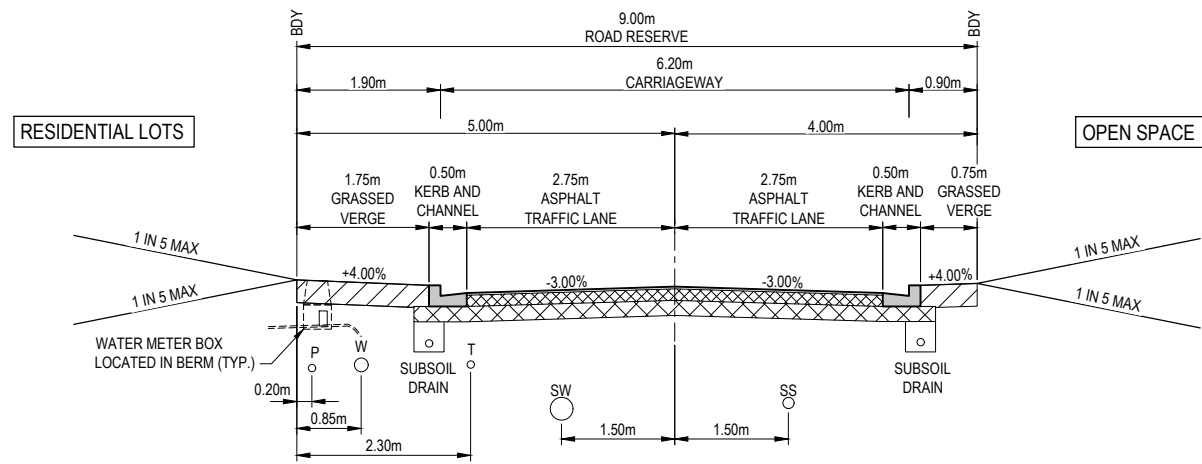
SECTION PURPOSE:
STANDARD (STD) RESIDENTIAL (RES) CUL-DE-SAC
ACCESS ADJACENT TO OPEN SPACE WITH
FOOTPATH ON SIDE ADJACENT LOTS.

13.5m RES OS 8.35m
SCALE 1 : 50



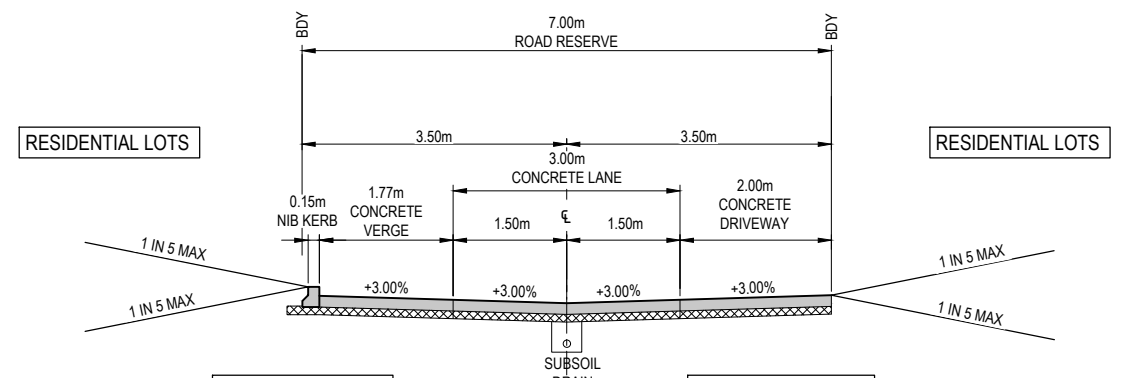
SECTION PURPOSE:
STANDARD (STD) RESIDENTIAL (RES) CUL-DE-SAC
ACCESS ADJACENT TO OPEN SPACE WITH
FOOTPATH ON SIDE ADJACENT LOTS.

12m RES OS 6.2m
SCALE 1 : 50



SECTION PURPOSE:
CUL-DE-SAC WITH OPEN SPACE ONE
SIDE AND LOTS ON THE OTHER.

9m RES OS 6.2m
SCALE 1 : 50

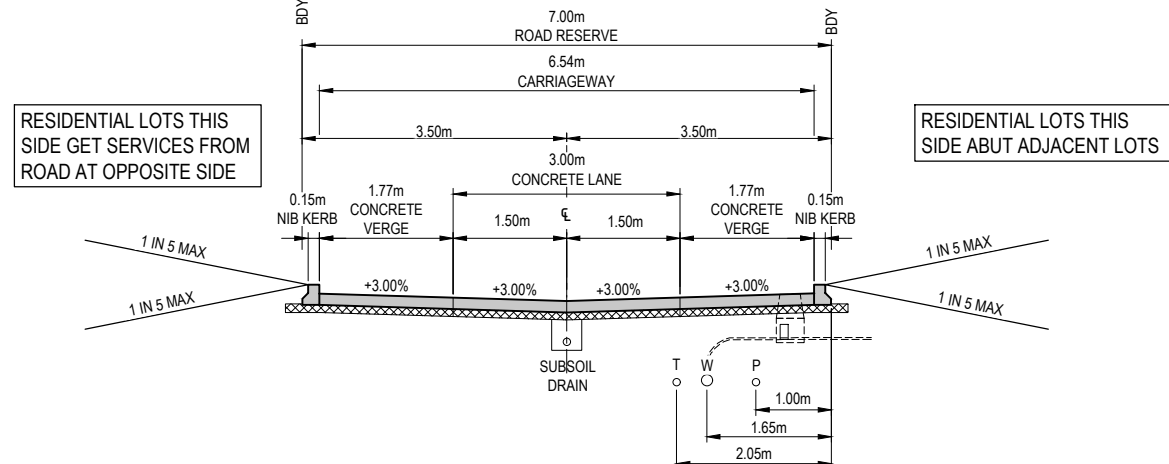


TYPICAL NIB KERB
SHOWN THIS SIDE

TYPICAL DRIVEWAY
SHOWN THIS SIDE

SECTION PURPOSE:
REAR LANE - SERVICES
IN ADJACENT ROAD.

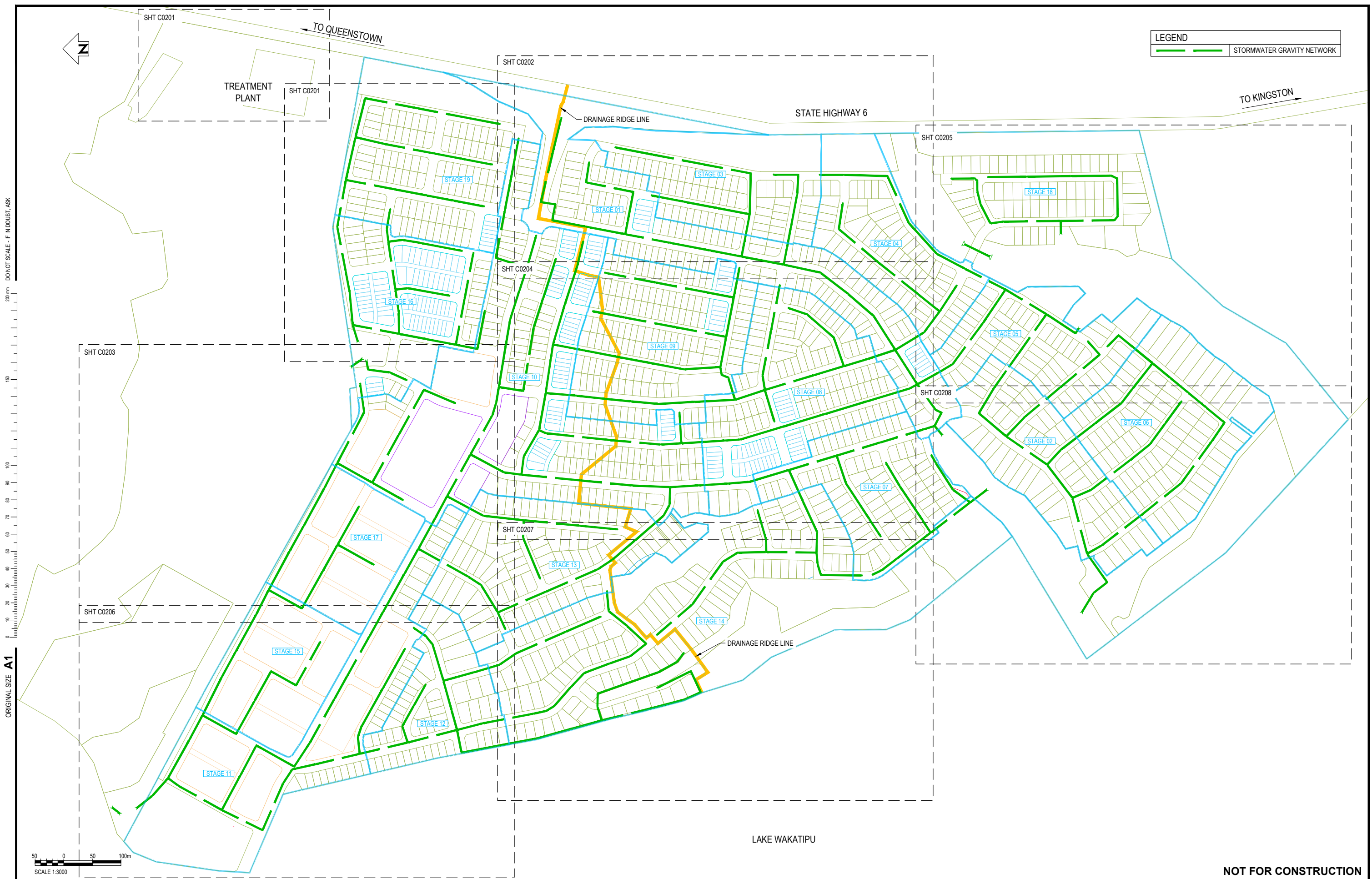
7m LANE RES 6.54m
SCALE 1 : 50
(NO SERVICES)



SECTION PURPOSE:
REAR LANE - SERVICES
NOT IN ADJACENT ROADS.

7m LANE RES 6.54m
SCALE 1 : 50
(WITH SERVICES)

NOT FOR CONSTRUCTION



ORIGINAL SIZE A1
DO NOT SCALE - IF IN DOUBT, ASK

0
REV

ISSUED FOR CONSENT

BG
DRN

PAT
CHK

PSW
APP

11.04.25
DATE

REVISIONS

SURVEYED
DESIGNED
DRAWN
CAD REVIEW
DESIGN CHECK
DESIGN REVIEW
APPROVED
PROF REGISTRATION:

Patersons
Matt Barber / Jack Boyd
Gerhard Heyden / Brent James
Peter Thomson
Iain Banks
Peter White
Peter White

08.24
03.25
03.25
11.04.25
11.04.25
11.04.25
11.04.25



Client

HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

UTILITIES - SW
STORMWATER - OVERALL LAYOUT

Status Stamp
FOR CONSENT

Date Stamp
11.04.2025

Scales 1:3000

Drawing No.
310104425-00-000-C0200

Rev.
0

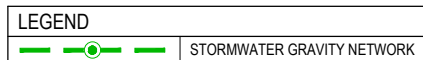
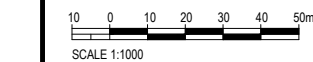
NOT FOR CONSTRUCTION

PLOTTED: 10/04/2025 2:24:07 pm

C:\AUTODESK\PROJECTS\310104425\HOMESTEAD_BAY\PROJECT FILES\01_WPL_CIDRAWINGS\310104425-00-000-C0200.DWG

COPYRIGHT © THESE DRAWINGS SHALL ONLY BE USED FOR THE PURPOSE FOR WHICH THEY WERE SUPPLIED. ANY RE-USE IS PROHIBITED AND NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR DISTRIBUTED WITHOUT THE WRITTEN PERMISSION OF STANTEC.

PLOTTED : 10/04/2025 2:34:43 pm



SURVEYED	Patersons	08.24
DESIGNED	Jack Boyd	03.25
DRAWN	Gerhard Heyden	03.25
CAD REVIEW	Brent James	11.04.25
DESIGN CHECK	Matt Barber	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

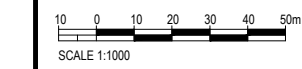
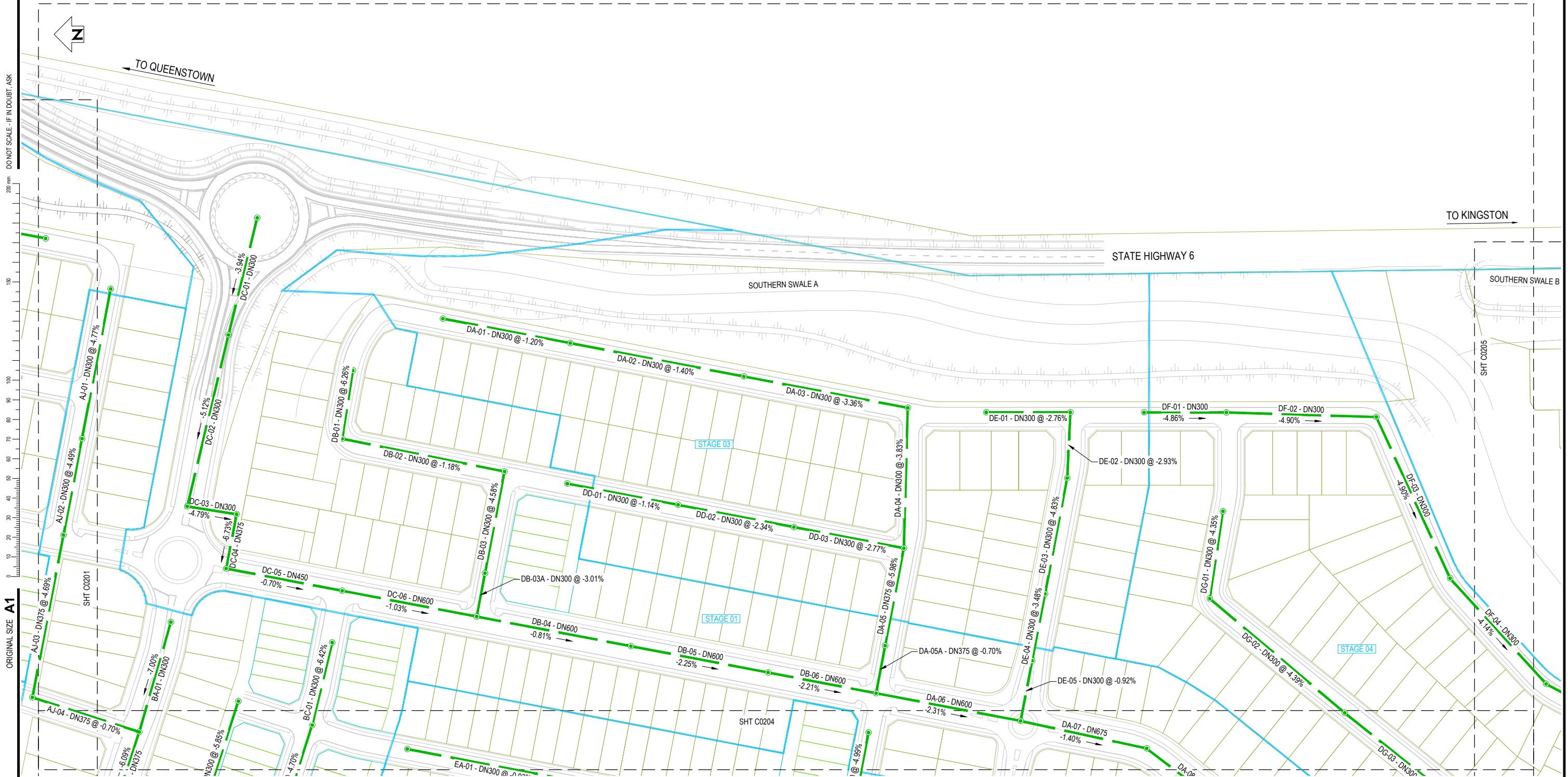
UTILITIES - SW
STORMWATER LAYOUT - SHEET 1 OF 8

Status Stamp	FOR CONSENT	
Date Stamp	11.04.2025	
Scales	1:1000	
Drawing No.	310104425-00-000-C0201	Rev. 0

C:\AUTODESK\ACAD\DCS\STANTEC\CONSULTING\310101105_HOMESTEAD_BAY\PROJECT FILES\01_WIP\CDRAWINGS\3101010425-00-000-G0201.DWG

LEGEND

STORMWATER GRAVITY NETWORK

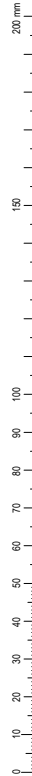


NOT FOR CONSTRUCTION

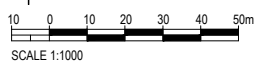
				SURVEYED Patersons 08.24						Client: <div>HOMESTEAD BAY SUBDIVISION, QUEENSTOWN MASTER PLANNING</div>	<div>HOMESTEAD BAY SUBDIVISION, QUEENSTOWN MASTER PLANNING</div>	Status Stamp FOR CONSENT	
				DESIGNED Matt Barber 03.25								Date Stamp 11.04.2025	
				DRAWN Brent James 03.25								Scales 1:1000	
				CAD REVIEW Gerhard Heyden 11.04.25								Drawing No. 310104425-00-000-C0202	Rev. 0
				DESIGN CHECK Jack Boyd 11.04.25								UTILITIES - SW STORMWATER LAYOUT - SHEET 2 OF 8	
				DESIGN REVIEW Peter White 11.04.25									
				APPROVED Peter White 11.04.25									
				PROF REGISTRATION:									

ORIGINAL SIZE A1

DO NOT SCALE - IF IN DOUBT, ASK



10 0 10 20 30 40 50m



SCALE 1:1000

LEGEND	
	STORMWATER GRAVITY NETWORK



SHT C0206

EMERGENCY
SPILLWAY
AY-01 - DN300 @ -0.70%
AY-02 - DN475 @ -0.70%

SW
DETENTION
BASIN 2

SHT C0201

AH-02 - DN300 @ -3.82%

STAGE 10

STAGE 17

SHT C0204

SHT C0207

NOT FOR CONSTRUCTION

REV	ISSUED FOR CONSENT	PAT DRN	BJ CHK	PSW APP	11.04.25 DATE	REVISIONS
0						

SURVEYED	Patersons	08.24
DESIGNED	Jack Boyd	03.25
DRAWN	Gerhard Heyden	03.25
CAD REVIEW	Brent James	11.04.25
DESIGN CHECK	Matt Barber	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



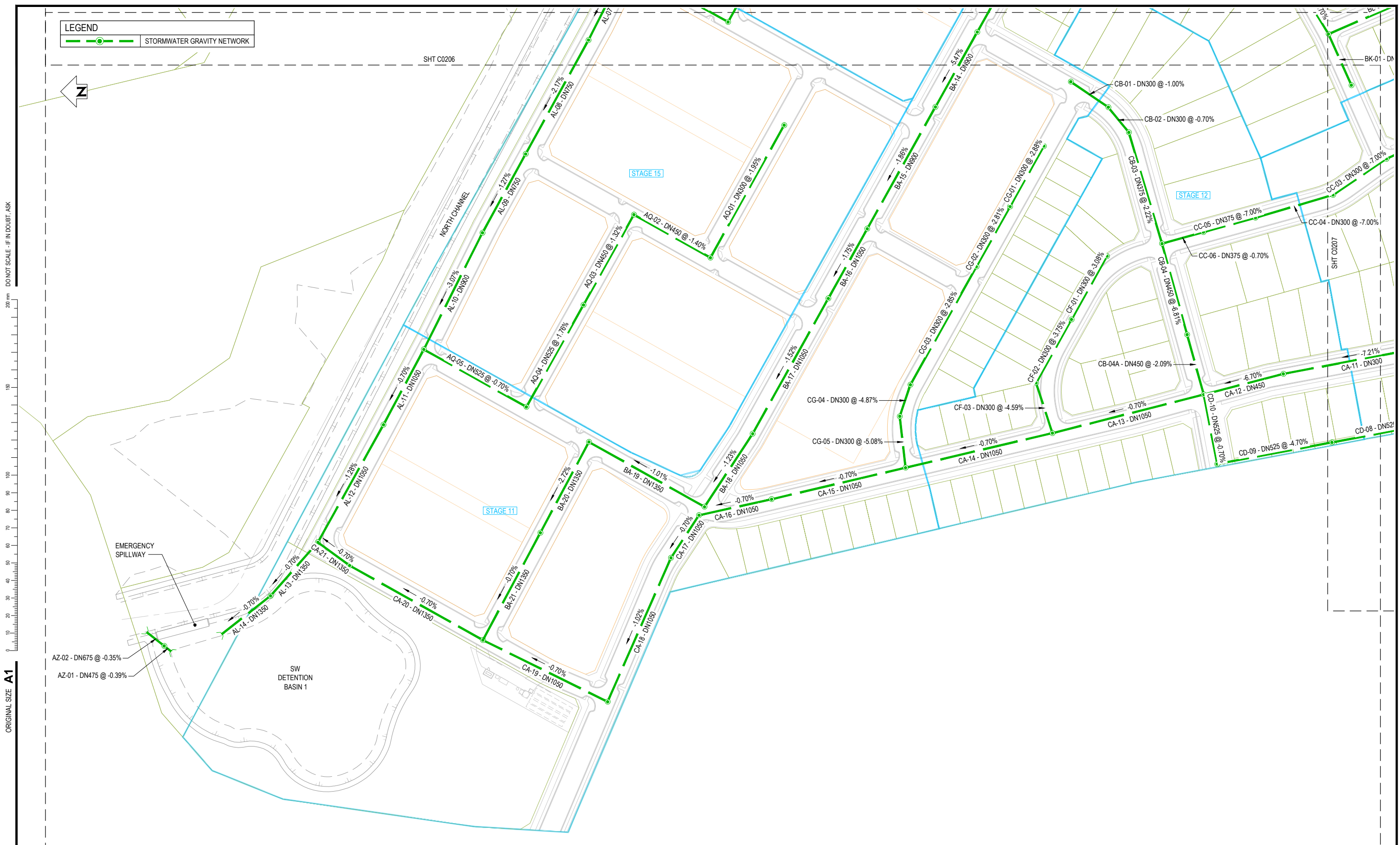
Client



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING
UTILITIES - SW
STORMWATER LAYOUT - SHEET 3 OF 8

Status Stamp	FOR CONSENT	
Date Stamp	11.04.2025	
Scales	1:1000	
Drawing No.	310104425-00-000-C0203	Rev. 0

PLOTTED: 10/04/2025 2:35:38 pm



ORIGINAL SIZE A1

10 0 10 20 30 40 50m
SCALE 1:1000

REV	ISSUED FOR CONSENT	PAT	BJ	PSW	11.04.25
0		DRN	CHK	APP	DATE
REVISIONS					

SURVEYED	Patersons	08.24
DESIGNED	Jack Boyd	03.25
DRAWN	Gerhard Heyden	03.25
CAD REVIEW	Brent James	11.04.25
DESIGN CHECK	Matt Barber	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

UTILITIES - SW
STORMWATER LAYOUT - SHEET 6 OF 8

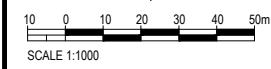
NOT FOR CONSTRUCTION	
Status Stamp	FOR CONSENT
Date Stamp	11.04.2025
Scales	1:1000
Drawing No.	310104425-00-000-C0206
Rev.	0



ORIGINAL SIZE A1

DO NOT SCALE - IF IN DOUBT, ASK

PLOTTED: 10/04/2025 2:37:26pm



LEGEND

STORMWATER GRAVITY NETWORK

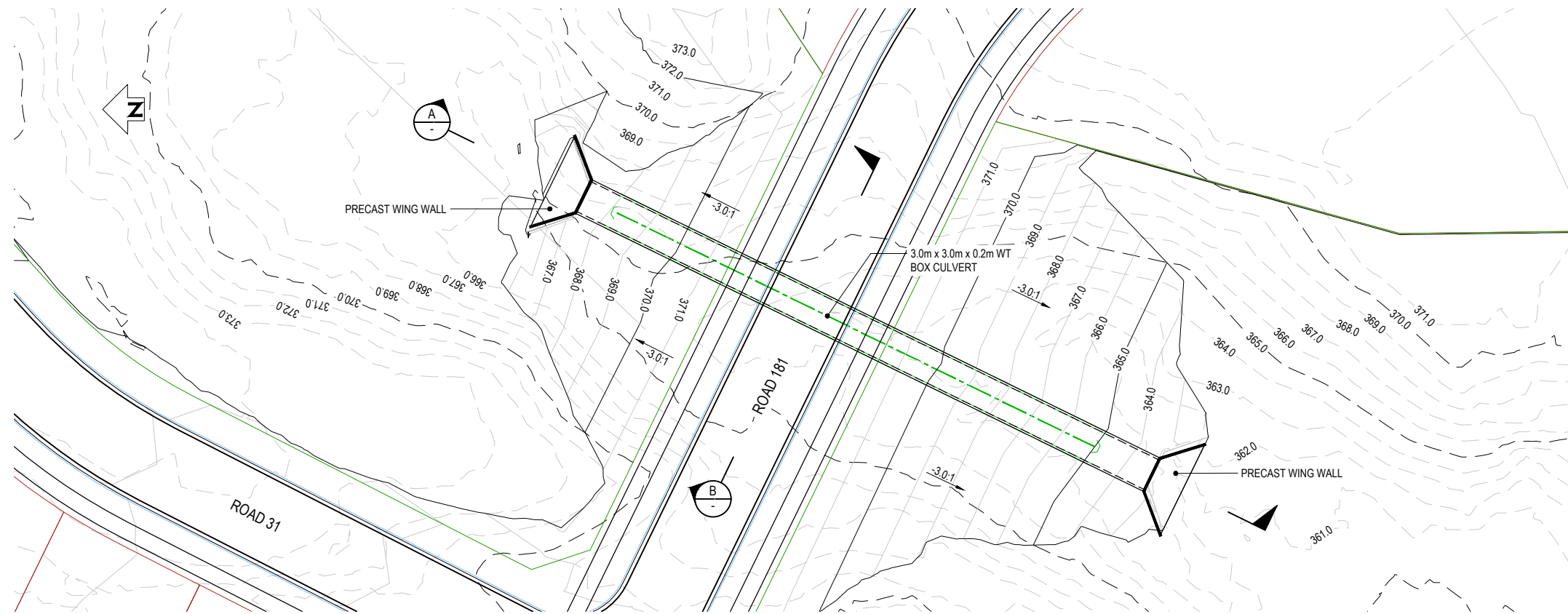
										SURVEYED			Patersons	08.24	<div>Client</div> <div><div>Stantec</div><div>rclgroup</div></div>	HOMESTEAD BAY SUBDIVISION, QUEENSTOWN MASTER PLANNING			Status Stamp		FOR CONSENT					
										DESIGNED			Matt Barber	03.25					Date Stamp		11.04.2025					
										DRAWN			Brent James	03.25					Scales		1:1000					
										CAD REVIEW			Gerhard Heyden	11.04.25		UTILITIES - SW STORMWATER LAYOUT - SHEET 7 OF 8			Drawing No.		310104425-00-000-C0207		Rev.		0	
										DESIGN CHECK			Jack Boyd	11.04.25												
										DESIGN REVIEW			Peter White	11.04.25												
										APPROVED			Peter White	11.04.25												
										PROF REGISTRATION:																
										GH	GH	PSW	11.04.25													
										DRN	CHK	APP	DATE													
</																										

DO NOT SCALE - IF IN DOUBT, ASK

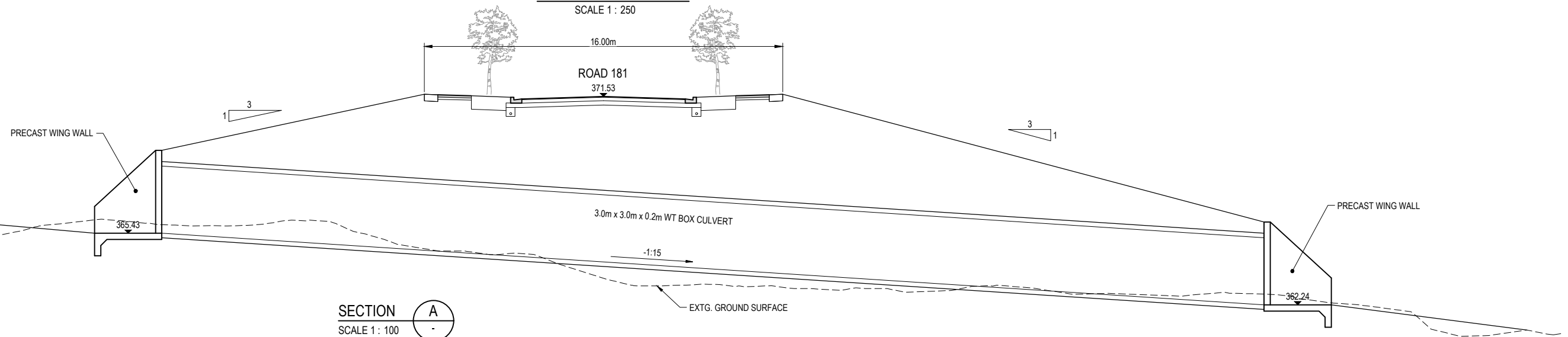
200 mm
150
100
90
80
70
60
50
40
30
20
10
0

ORIGINAL SIZE A1

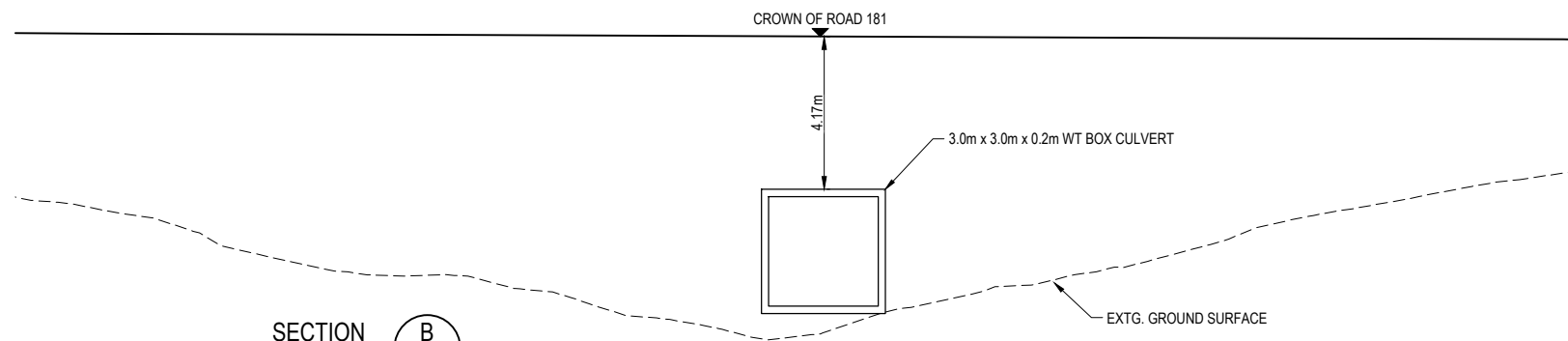
PLOTTED: 10/04/2025 2:10:01 pm



CULVERT LAYOUT PLAN
SCALE 1 : 250



SECTION A
SCALE 1 : 100



SECTION B
SCALE 1 : 100

NOT FOR CONSTRUCTION

REV	ISSUED FOR CONSENT	REVISIONS	BJ DRN	PAT CHK	PSW APP	11.04.25 DATE
0	ISSUED FOR CONSENT					

SURVEYED	Patersons	08.24
DESIGNED	Matt Barber	03.25
DRAWN	Brent James	03.25
CAD REVIEW	Peter Thomson	11.04.25
DESIGN CHECK	Jack Boyd	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



Client

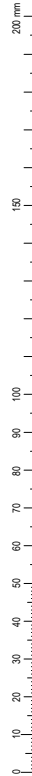


HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

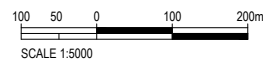
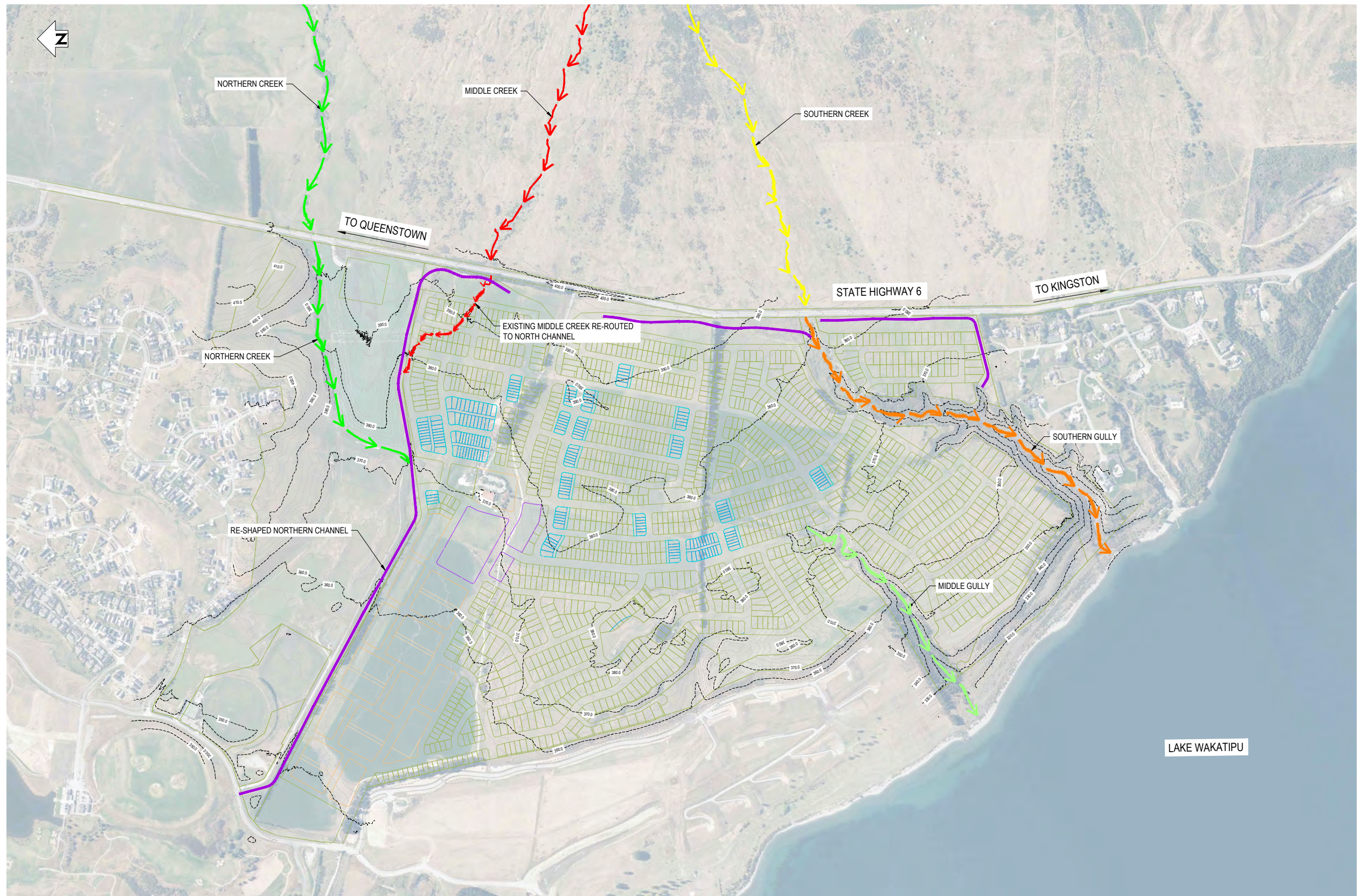
UTILITIES - SW
SOUTHERN CREEK BOX CULVERT PLAN AND SECTIONS

Status Stamp	FOR CONSENT
Date Stamp	11.04.2025
Scales	AS SHOWN
Drawing No.	310104425-00-000-C0230
Rev.	0

DO NOT SCALE - IF IN DOUBT, ASK



ORIGINAL SIZE A1



SCALE 1:5000

PLOTTED: 10/04/2025 2:41:38 pm

REV	ISSUED FOR CONSENT	REVISIONS	GM DRN	PAT CHK	PSW APP	11.04.25 DATE
0	ISSUED FOR CONSENT					

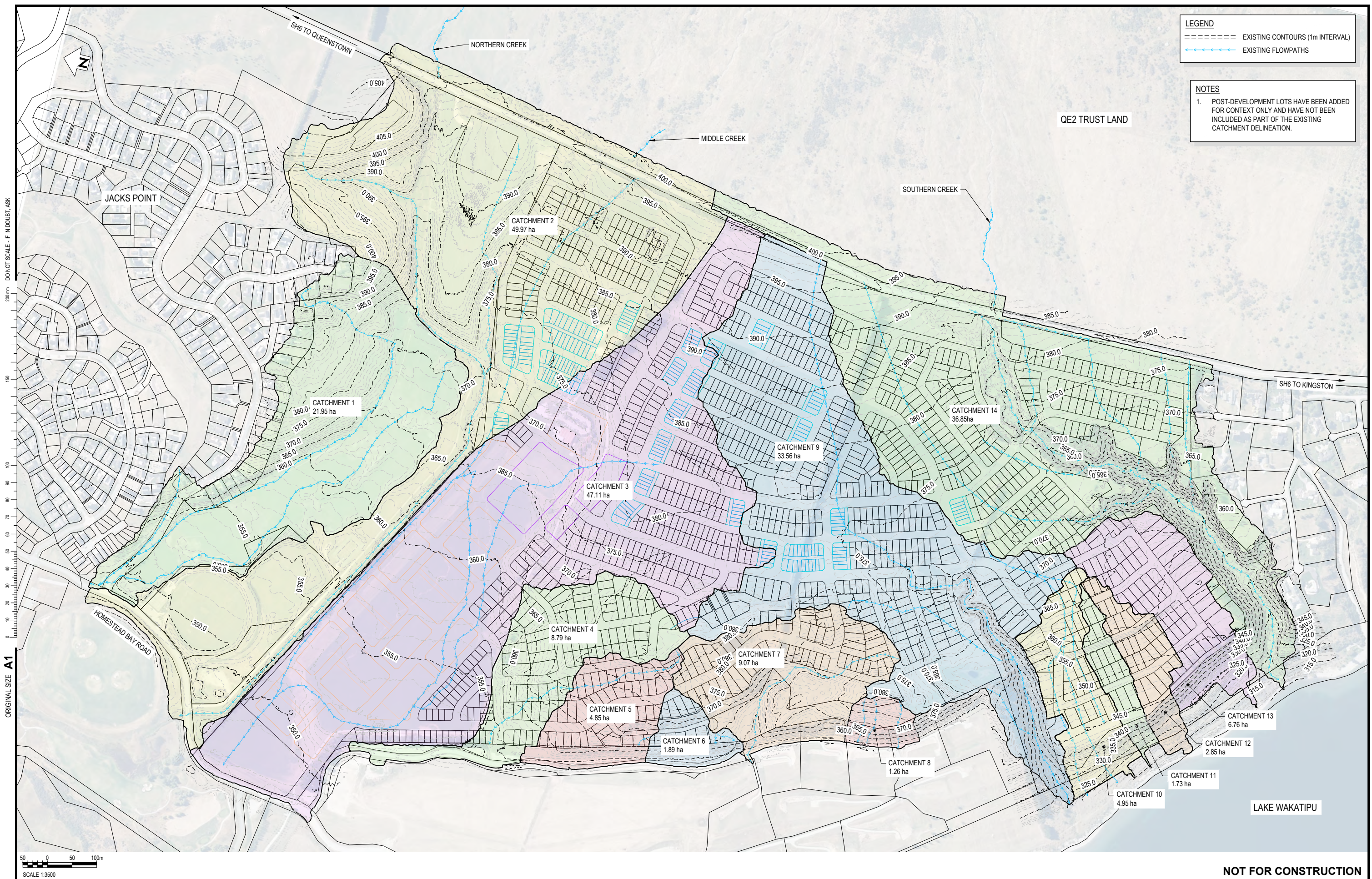
SURVEYED	Patersons	08.24
DESIGNED	Peter Thomson	11.24
DRAWN	Brent Grey	11.24
CAD REVIEW	Peter Thomson	11.04.25
DESIGN CHECK	Nick Keenan	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

UTILITIES - SW
LAYOUT PLAN - MAJOR WATERCOURSES

Status Stamp	NOT FOR CONSTRUCTION
Date Stamp	FOR CONSENT
Scales	1:5000
Drawing No.	310104425-00-000-C0250
Rev.	0



ORIGINAL SIZE A1
DO NOT SCALE - IF IN DOUBT, ASK

50 0 50 100m
SCALE 1:3500

REV	ISSUED FOR CONSENT	REVISIONS	BJ	PAT	PSW	11.04.25
0			DRN	CHK	APP	DATE

SURVEYED	Patersons	08.24
DESIGNED	Jack Boyd	11.24
DRAWN	Ben Martin	11.24
CAD REVIEW	Peter Thomson	11.04.25
DESIGN CHECK	Nick Keenan	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

STORMWATER
PRE-DEVELOPMENT CATCHMENTS

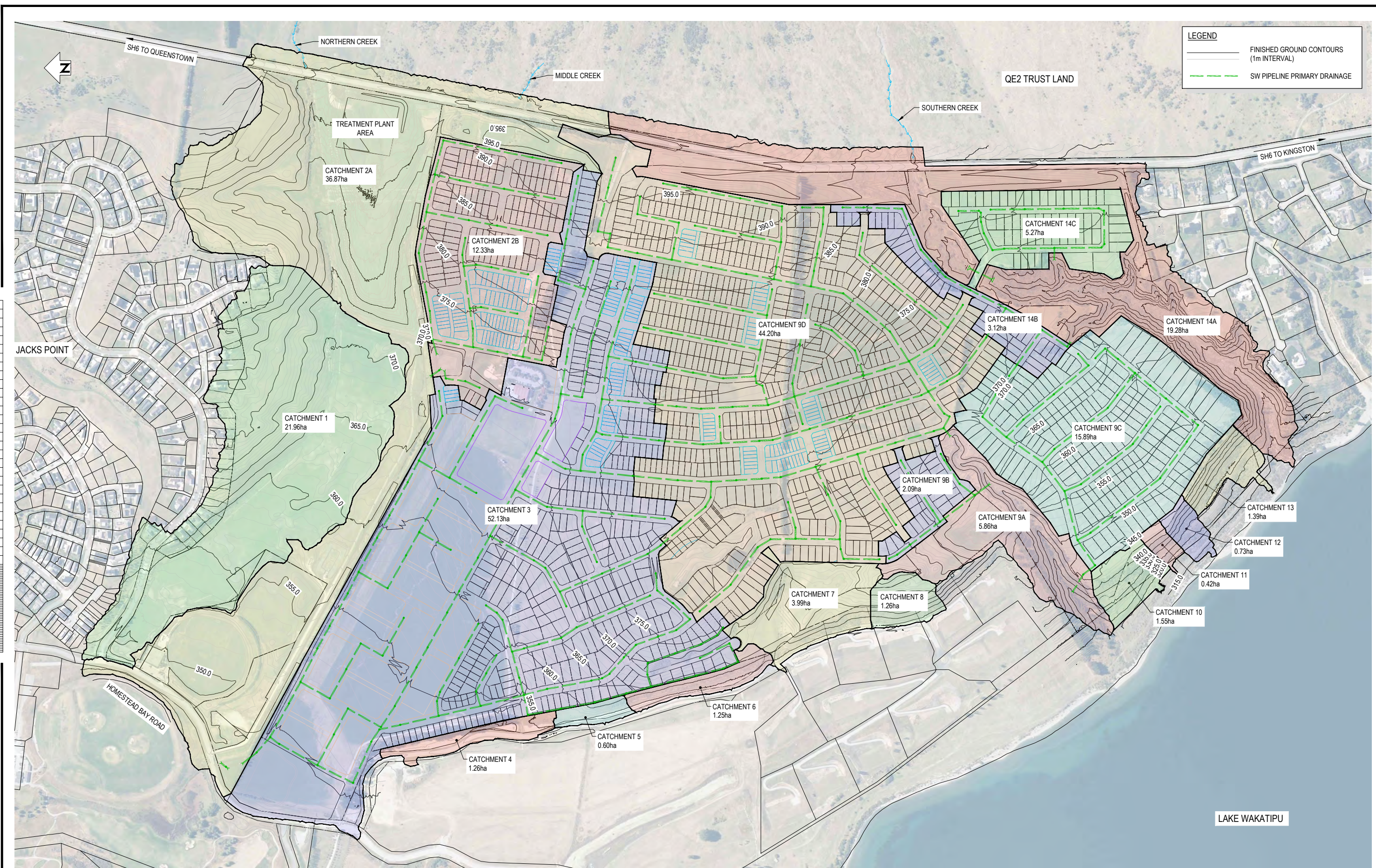
Status Stamp	FOR CONSENT
Date Stamp	11.04.2025
Scales	1:3500
Drawing No.	310104425-00-000-C0251
Rev.	0

NOT FOR CONSTRUCTION

DO NOT SCALE - IF IN DOUBT, ASK

ORIGINAL SIZE A1

PLOTTED: 10/04/2025 2:43:00 pm



REV	ISSUED FOR CONSENT	GH	PAT	PSW	DATE	REVISIONS
0		DRN	CHK	APP	11.04.25	

SURVEYED	Patersons	08.24
DESIGNED	Jack Boyd	11.24
DRAWN	Ben Martin	11.24
CAD REVIEW	Peter Thomson	11.04.25
DESIGN CHECK	Nick Keenan	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

STORMWATER
POST-DEVELOPMENT CATCHMENTS

Status Stamp	FOR CONSENT
Date Stamp	11.04.2025
Scales	1:3500
Drawing No.	310104425-00-000-C0252
Rev.	0

DO NOT SCALE - IF IN DOUBT, ASK

ORIGINAL SIZE A1

PLotted: 11/04/2025 8:16:47 am

DETENTION BASIN 1

NORTHERN CHANNEL

DETENTION BASIN 1 & NORTHERN CHANNEL - TYPICAL SECTION

SCALE 1 : 50

DETENTION BASIN 2

NORTHERN CHANNEL

DETENTION BASIN 2 & NORTHERN CHANNEL - TYPICAL SECTION

SCALE 1 : 50

DETENTION BASIN 1 SPILLWAY - SECTION

SCALE 1 : 20

DETENTION BASIN 2 SPILLWAY - SECTION

SCALE 1 : 20

DETENTION BASIN 1 BUND - TYPICAL SECTION

SCALE 1 : 50

DETENTION BASIN 2 BUND - TYPICAL SECTION

SCALE 1 : 50



REV	ISSUED FOR CONSENT	REVISIONS	BJ	PAT	PSW	11.04.25
0	ISSUED FOR CONSENT		DRN	CHK	APP	DATE

SURVEYED	Patersons	08.24
DESIGNED	Michael Bondjoko	11.24
DRAWN	Brent Grey	11.24
CAD REVIEW	Peter Thomson	11.04.25
DESIGN CHECK	Nick Keenan	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

UTILITIES - SW
SW DETENTION BASINS DETAILS

NOT FOR CONSTRUCTION

Status Stamp	FOR CONSENT
Date Stamp	11.04.2025
Scales	AS SHOWN
Drawing No.	310104425-00-000-C0256
Rev.	0

G:\UTODESK\GDC\DCS\ISTANTEG\CONSULTING\310101105 HOMESTEAD BAY\PROJECT FILES\01 WPB C\DRAWINGS\3101010425-00-000-C0261.DWG

00 mm.

00 mm.

150

00.

06

60.

5

1

20.

W

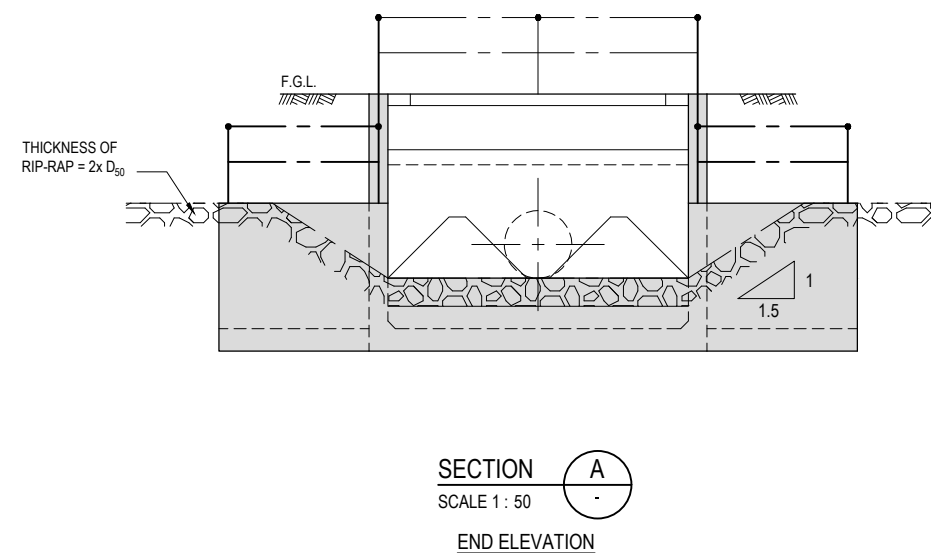
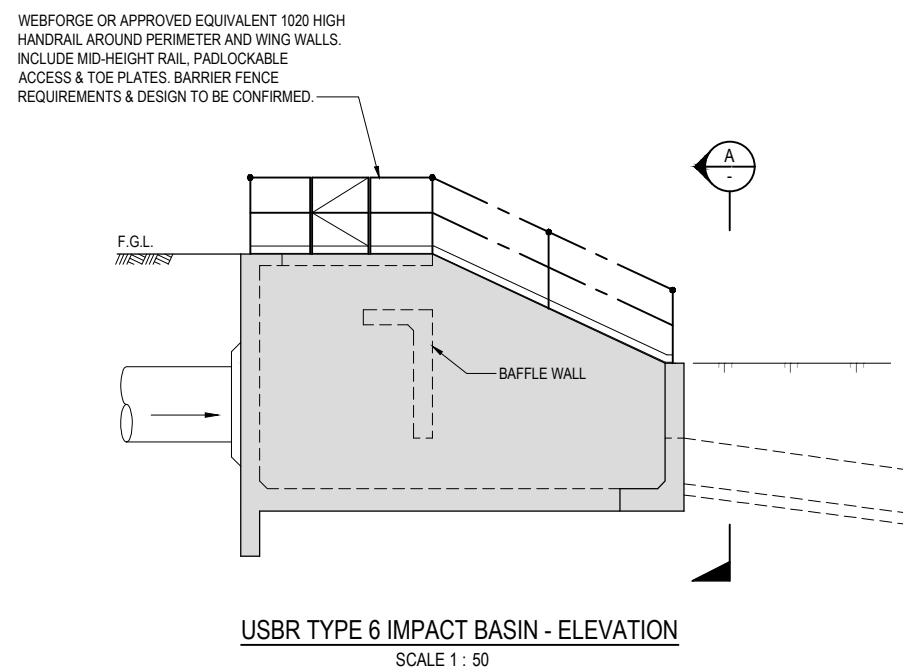
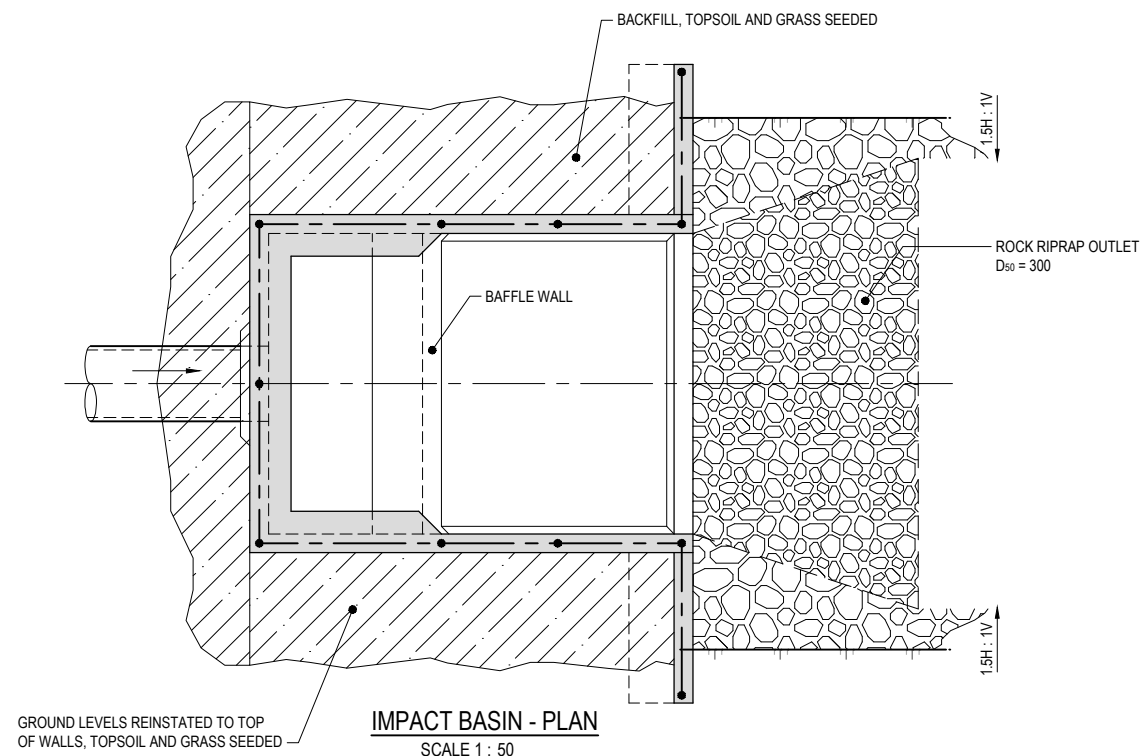
INA

9

1000

ue7m

19

[illegible]

HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

UTILITIES - SW
TYPICAL DETAILS - IMPACT BASIN

NOT FOR CONSTRUCTION

FOR CONSENT

11.04.2025

Scales AS SHOWN

Drawing No.
310104425-00-000-C0266

Rev. 0

C:\AUTODESK\DCI\ACCD\CSISTANTE\CONSULTING\310101105 HOMESTEAD BAY\PROJECT FILES\01 WIP C\DRAWINGS\3101010425-00-000-C0266.DWG

DO NOT SCALE - IF IN DOUBT, ASK

200 mm

150

100

90

80

70

60

50

40

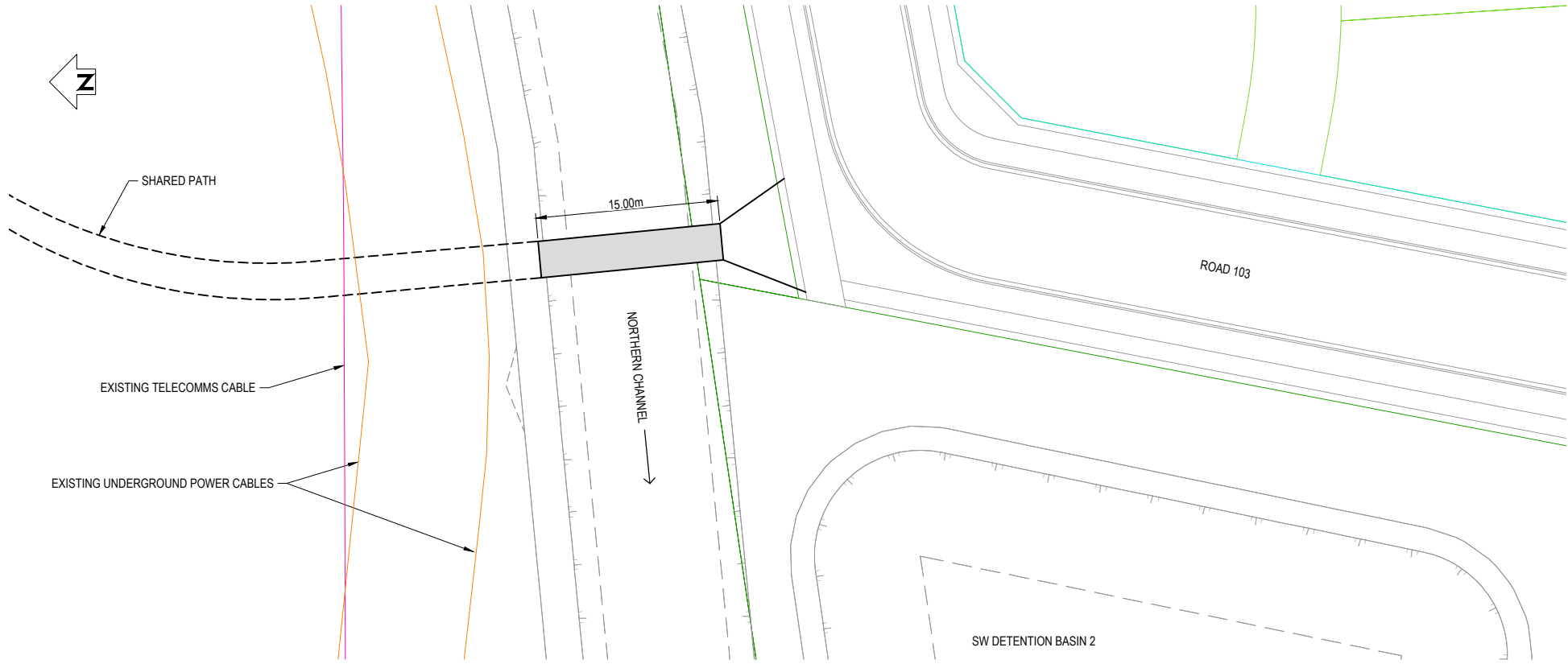
30

20

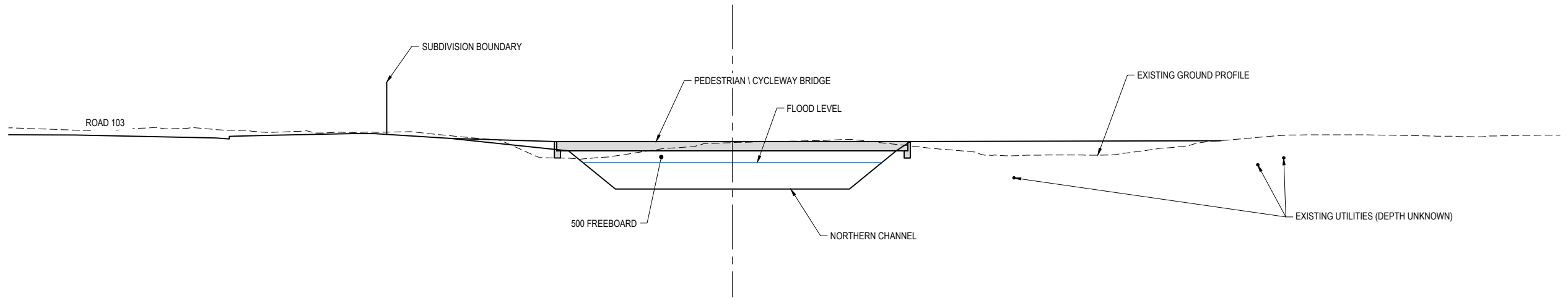
10

0

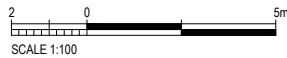
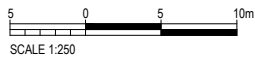
ORIGINAL SIZE A1



PLAN AT BRIDGE SITE
SCALE 1 : 250



CROSS-SECTION AT BRIDGE SITE (NTH CHANNEL CH 380)
SCALE 1 : 100



PLotted: 10/04/2025 2:44:40 pm

COPYRIGHT © THESE DRAWINGS SHALL ONLY BE USED FOR THE PURPOSE FOR WHICH THEY WERE SUPPLIED. ANY RE-USE IS PROHIBITED AND NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR DISTRIBUTED WITHOUT THE WRITTEN PERMISSION OF STANTEC.

REV	ISSUED FOR CONSENT	MS DRN	BJ CHK	PSW APP	11.04.25 DATE
0	ISSUED FOR CONSENT				

SURVEYED	Patersons	08.24
DESIGNED	Peter Thomson	03.25
DRAWN	Peter Thomson	03.25
CAD REVIEW	Brent James	11.04.25
DESIGN CHECK	Iain Banks	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25



Client



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

UTILITIES - SW
PLAN AND CROSS-SECTION AT BRIDGE SITE

NOT FOR CONSTRUCTION

Status Stamp	FOR CONSENT
Date Stamp	11.04.2025
Scales	AS SHOWN
Drawing No.	310104425-00-000-C0267
Rev.	0

C:\AUTODESK\ACCORDS\STANTEC CONSULTING\310101105_HOMESTEAD_BAY\PROJECT FILES\01_WIP_C\DRAWINGS\310104425-00-000-C0267.DWG

DO NOT SCALE - IF IN DOUBT, ASK

200 mm

150

100

80

60

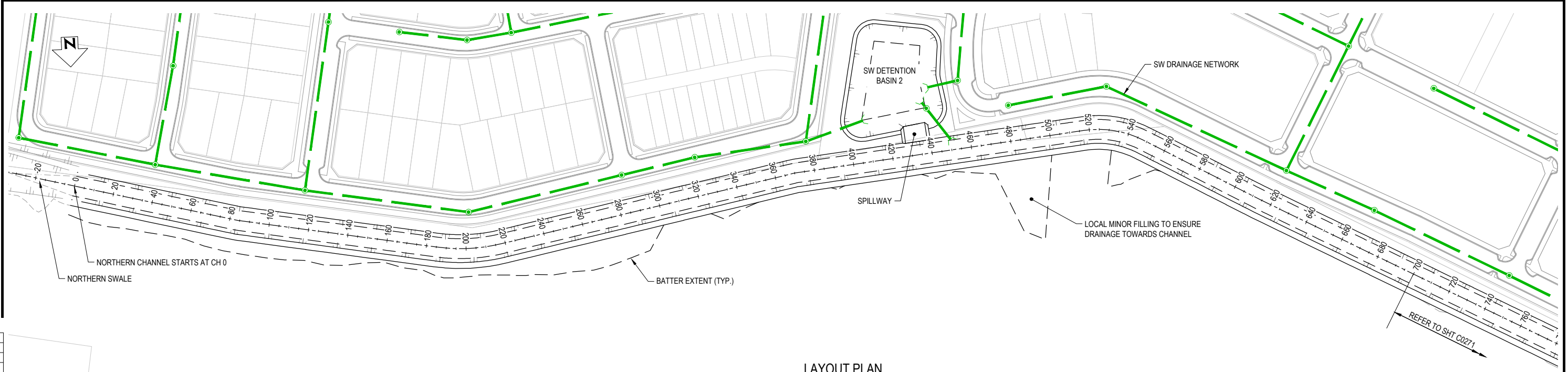
40

20

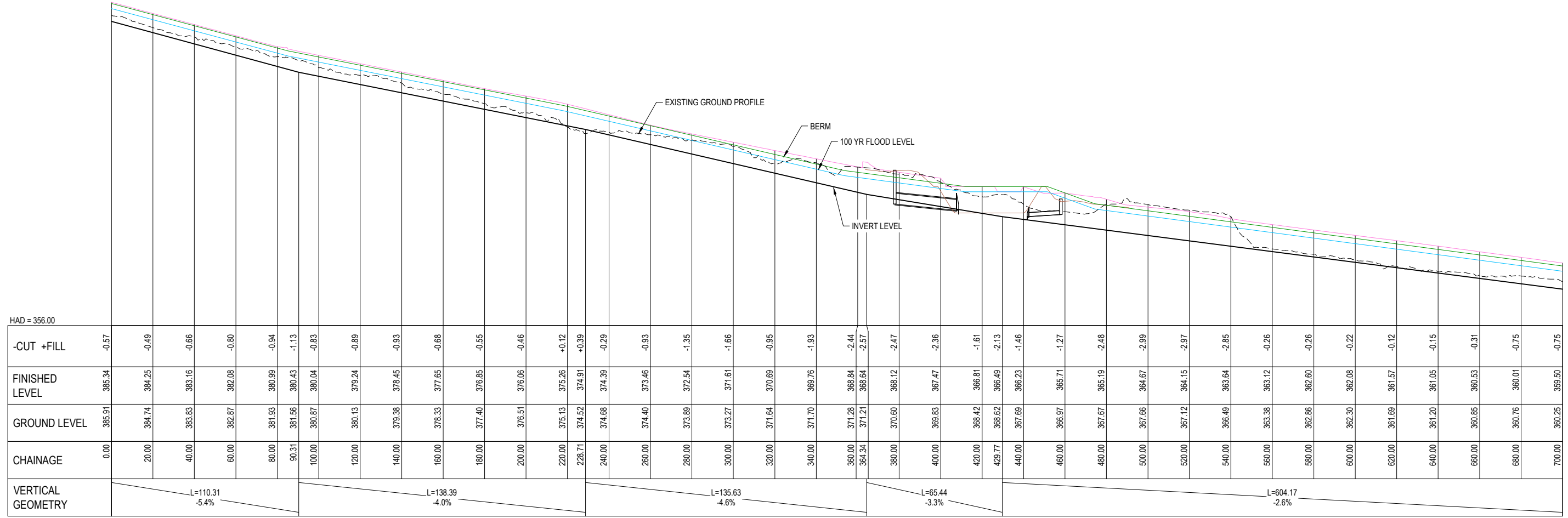
0

ORIGINAL SIZE A1

PLotted: 10/04/2025 2:47:56 pm



LAYOUT PLAN
SCALE 1 : 1000

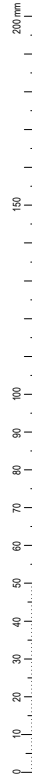


LONGITUDINAL SECTION - ALGN-NORTHERN FLOW PATH
SCALES: HOR 1:250 VERT 1:50

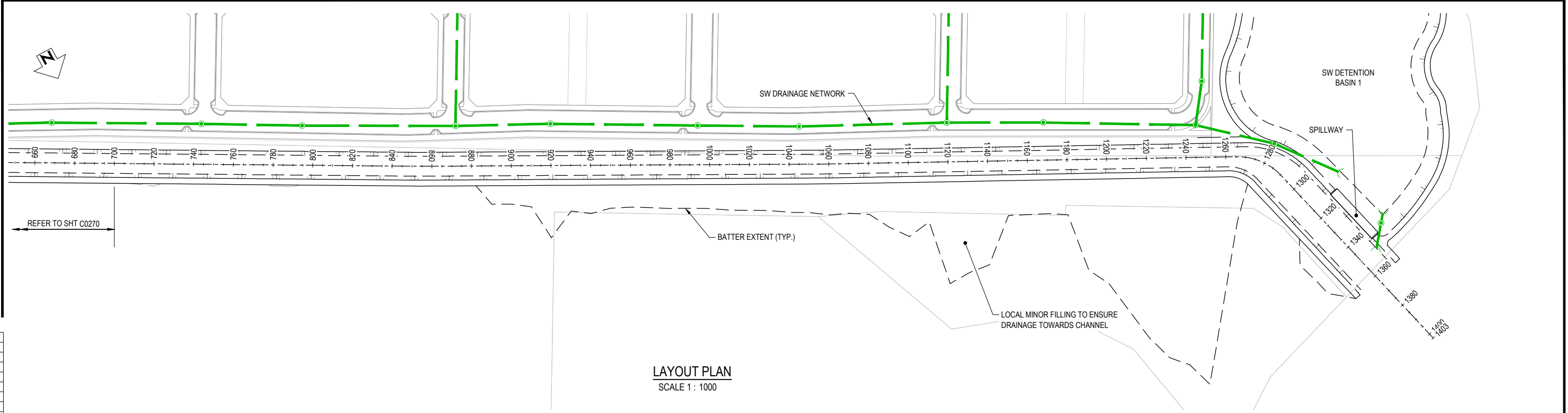
NOT FOR CONSTRUCTION

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

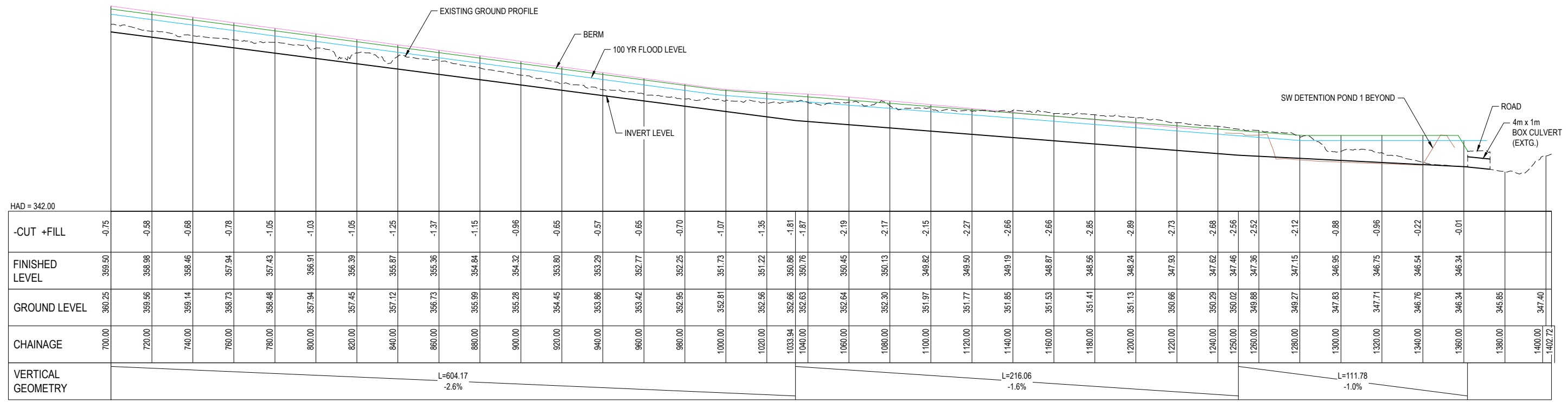
DO NOT SCALE - IF IN DOUBT, ASK



ORIGINAL SIZE A1



LAYOUT PLAN
SCALE 1 : 1000



LONGITUDINAL SECTION - ALGN-NORTHERN FLOW PATH
SCALES: HOR 1:250 VERT 1:50

NOT FOR CONSTRUCTION

																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															</
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

DO NOT SCALE - IF IN DOUBT, ASK

200 mm

150

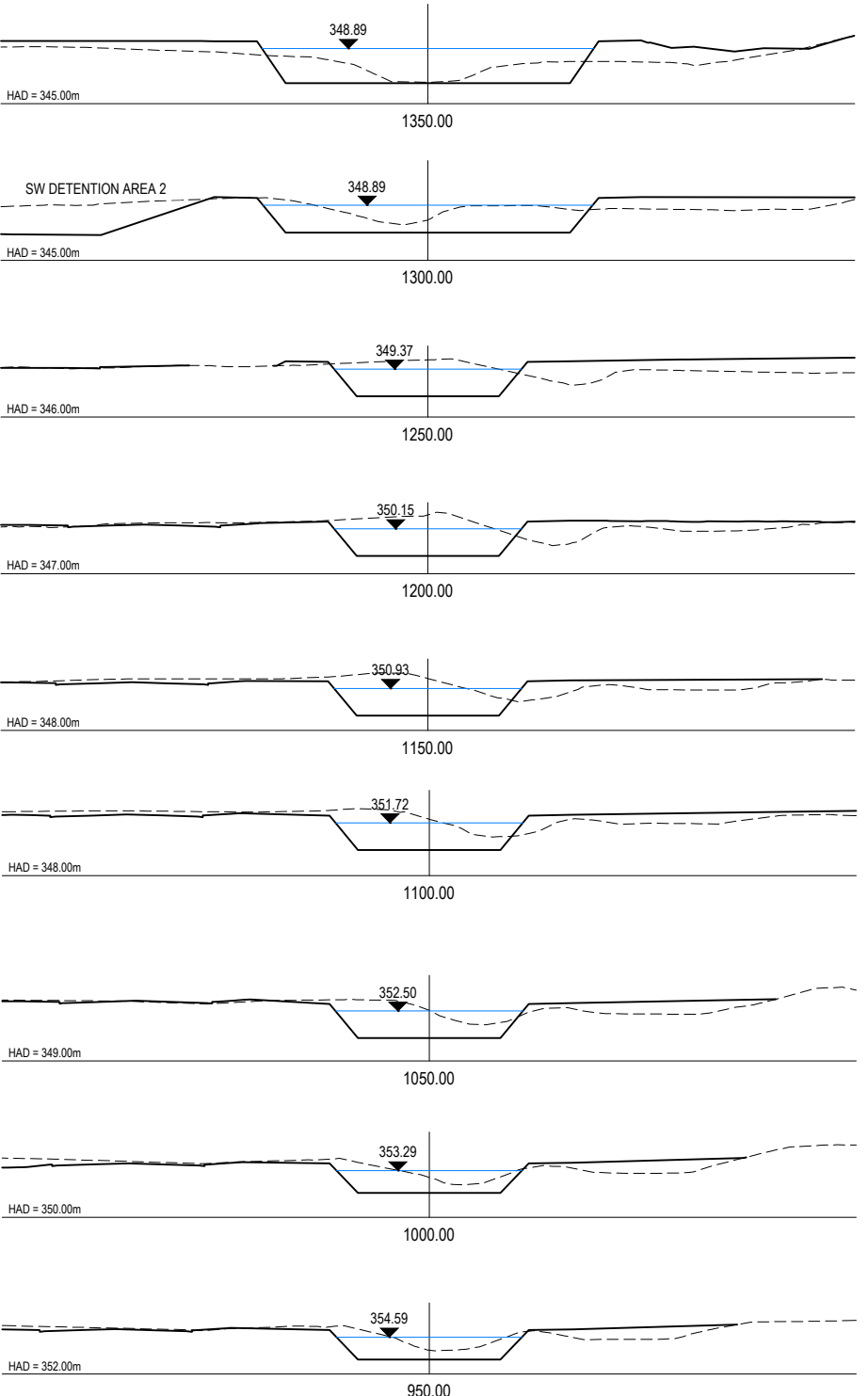
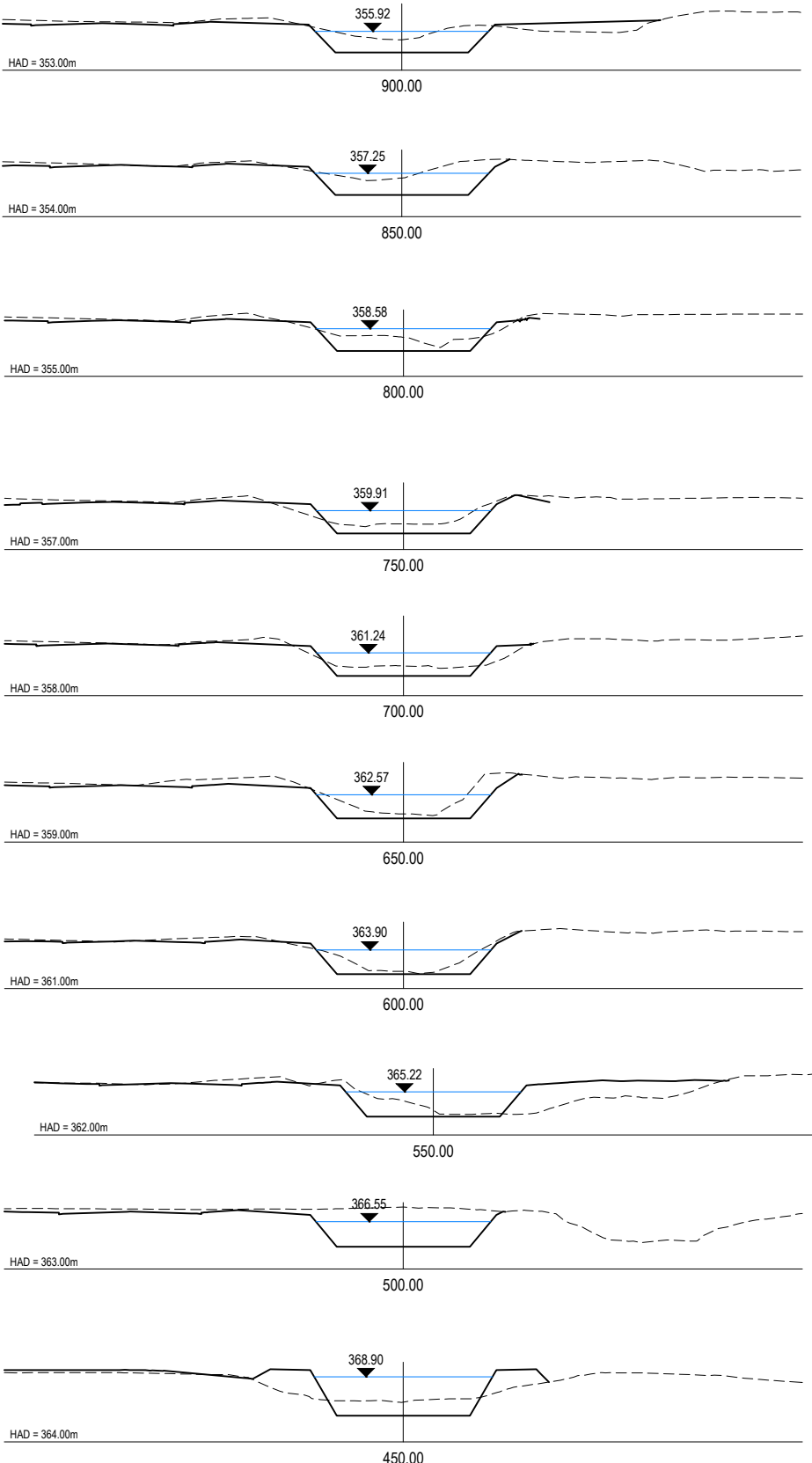
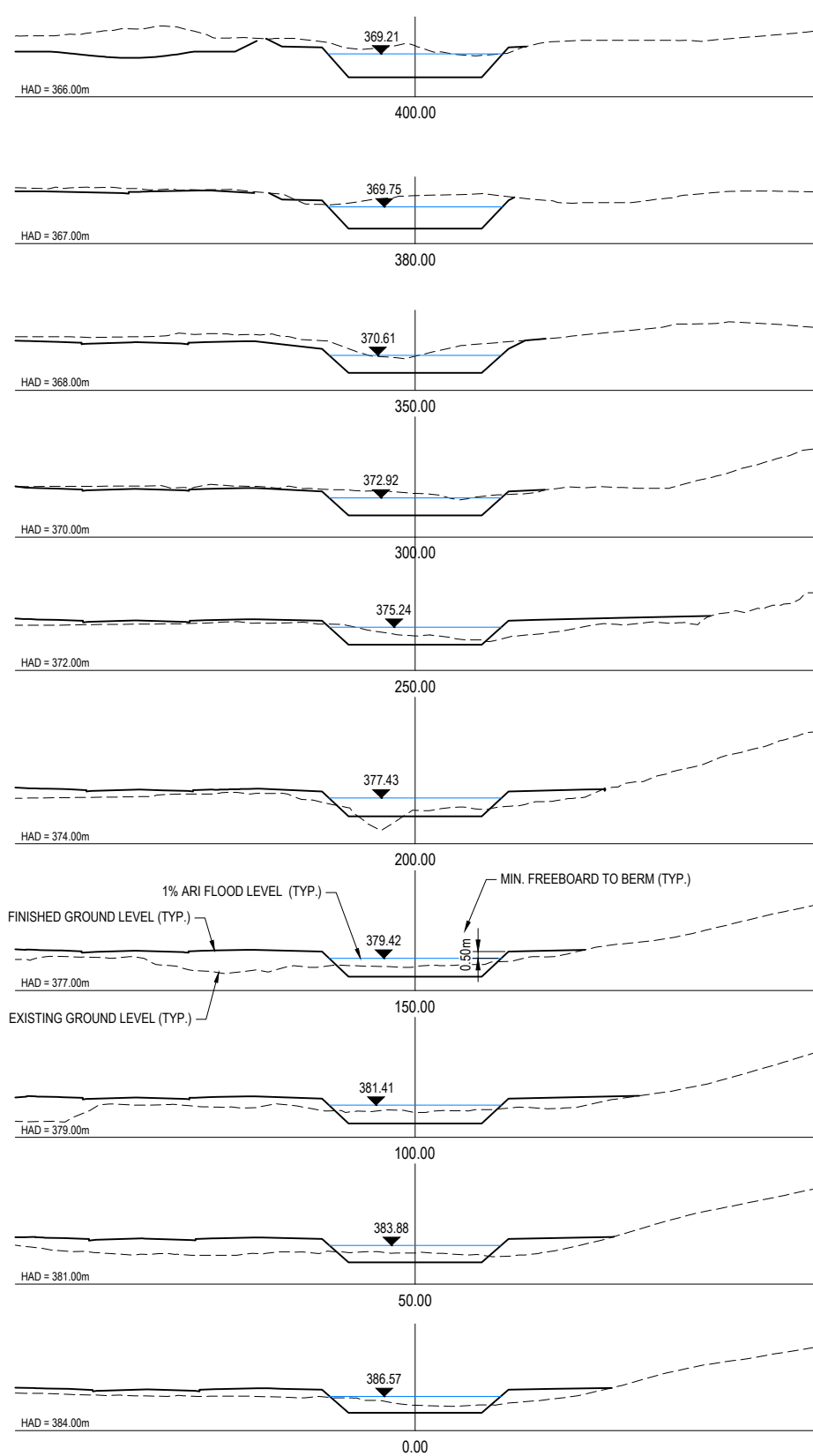
100

50

0

ORIGINAL SIZE A1

PLotted: 10/04/2025 2:52:26 pm



0	ISSUED FOR CONSENT	MS	BJ	PSW	11.04.25
REV	REVISIONS	DRN	CHK	APP	DATE

SURVEYED	Patersons	08.24
DESIGNED	Matt Barber	03.25
DRAWN	Peter Thomson	03.25
CAD REVIEW	Brent James	11.04.25
DESIGN CHECK	Peter Thomson	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING
UTILITIES SW - NORTH CHANNEL
CROSS-SECTIONS CH0 - 1350

Status Stamp	FOR CONSENT
Date Stamp	11.04.2025
Scales	1:250
Drawing No.	310104425-00-000-C0272
Rev.	0

DO NOT SCALE - IF IN DOUBT, ASK

200 mm

150

100

90

80

70

60

50

40

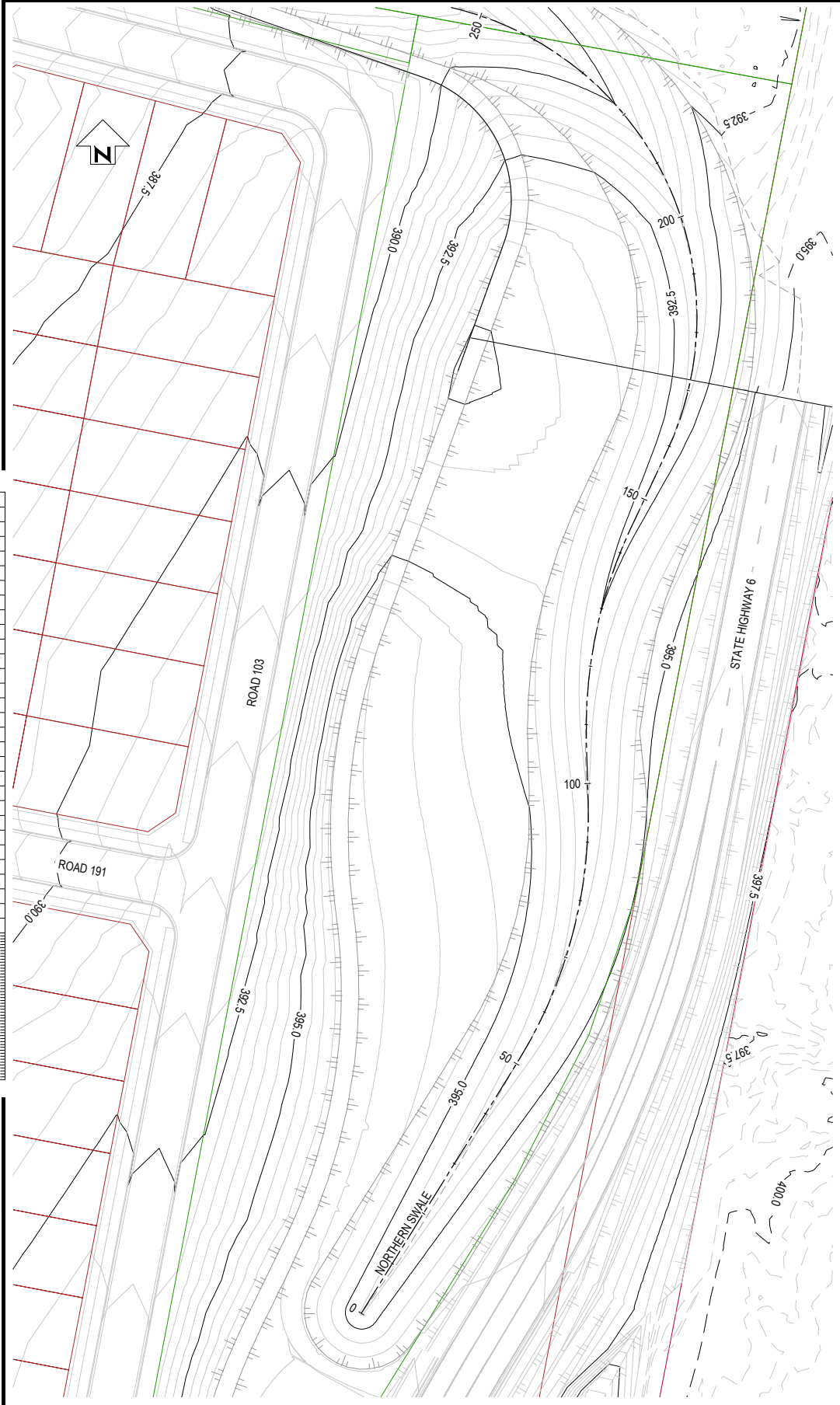
30

20

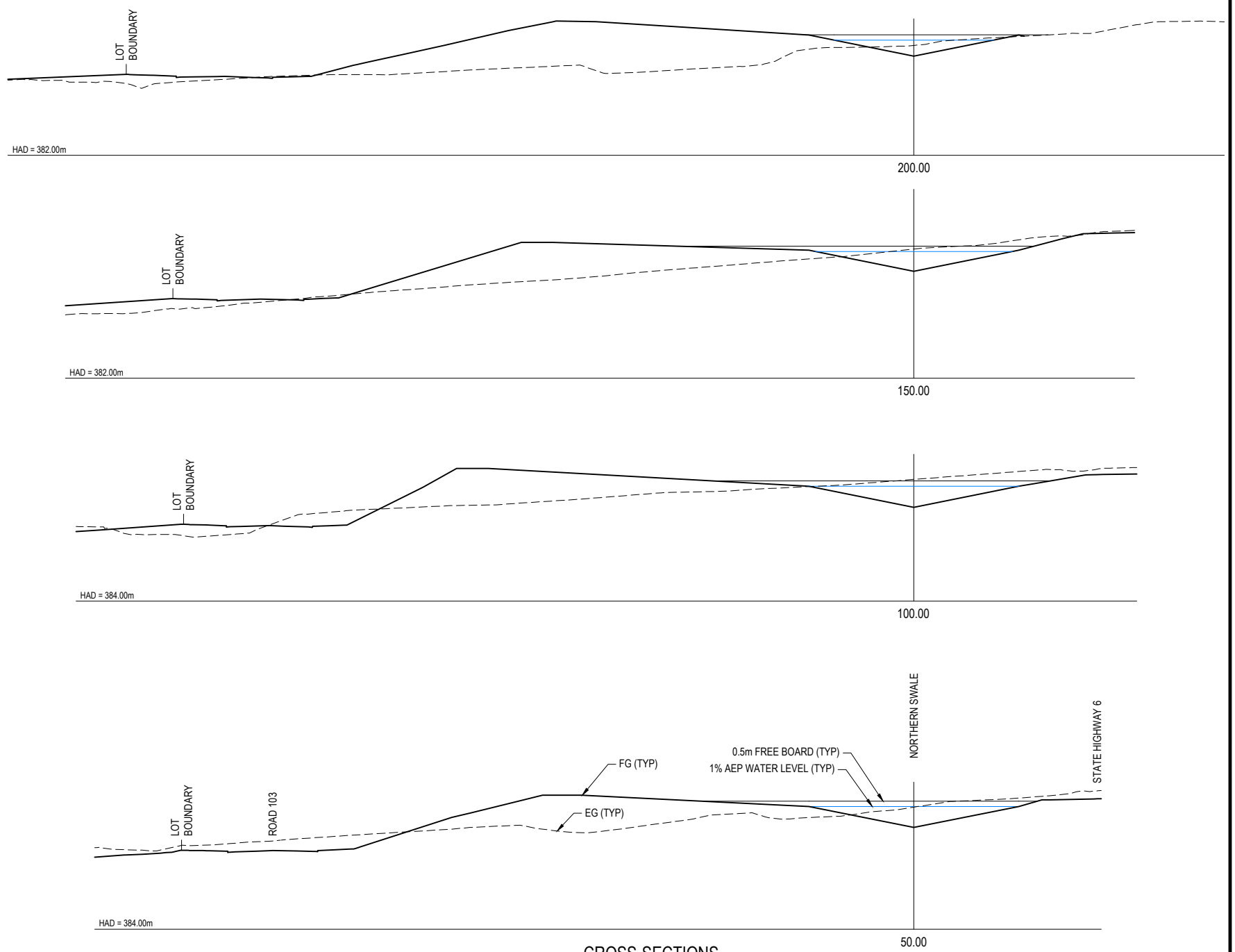
10

0

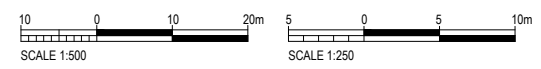
ORIGINAL SIZE A1



LAYOUT PLAN
SCALE 1 : 500



CROSS-SECTIONS
SCALE 1 : 250



NOT FOR CONSTRUCTION

REV	ISSUED FOR CONSENT	REVISIONS	MS DRN	BJ CHK	PSW APP	11.04.25 DATE
0	ISSUED FOR CONSENT					

SURVEYED	Patersons	08.24
DESIGNED	Ferdie Zimmerman	03.25
DRAWN	Gerhard Heyden	03.25
CAD REVIEW	Brent James	11.04.25
DESIGN CHECK	Peter Thomson	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

STORMWATER
NORTHERN SWALE PLAN AND CROSS SECTIONS

Status Stamp	FOR CONSENT
Date Stamp	11.04.2025
Scales	AS SHOWN
Drawing No.	310104425-00-000-C0273
Rev.	0

PLOTTED: 10/04/2025 14:20:00

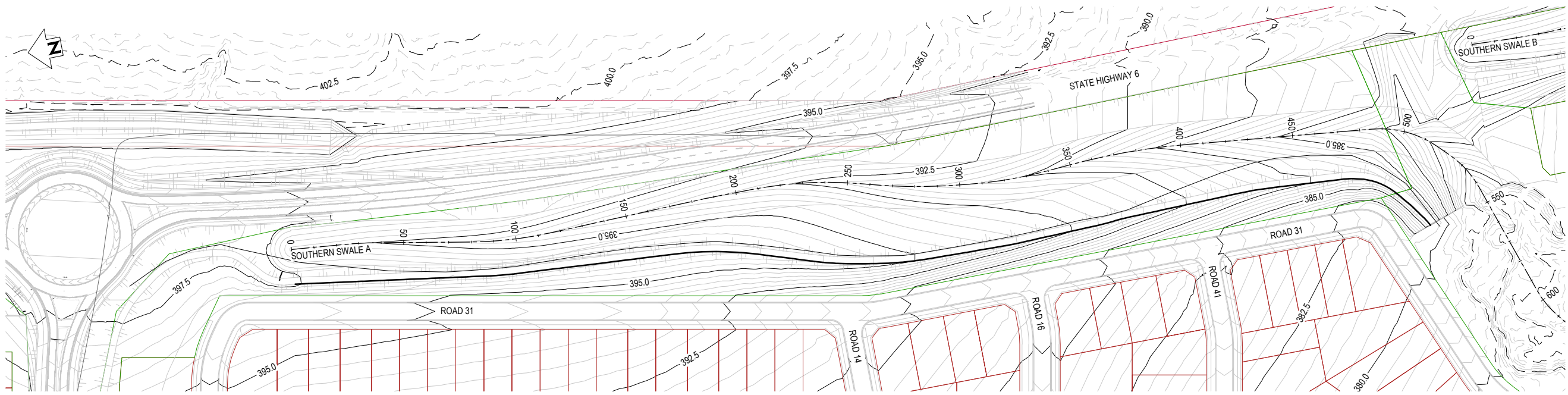
DO NOT SCALE - IF IN DOUBT, ASK

200 mm
150
100
90
80
70
60
50
40
30
20
10
0

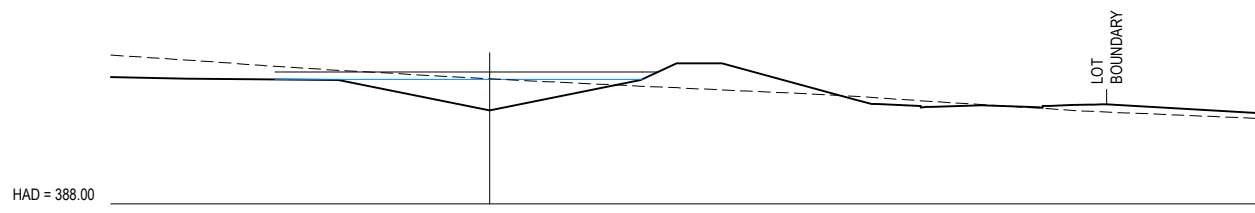
ORIGINAL SIZE A1

PLT DTG: 10/04/2025 14:23:21 pm

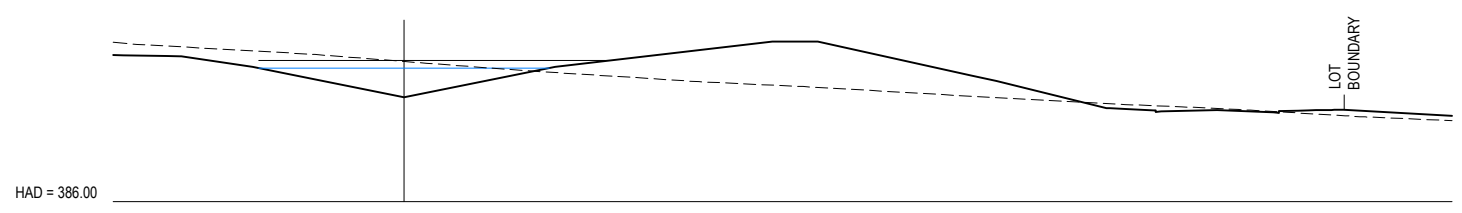
COPYRIGHT © THESE DRAWINGS SHALL ONLY BE USED FOR THE PURPOSE FOR WHICH THEY WERE SUPPLIED. ANY RE-USE IS PROHIBITED AND NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR DISTRIBUTED WITHOUT THE WRITTEN PERMISSION OF STANTEC.



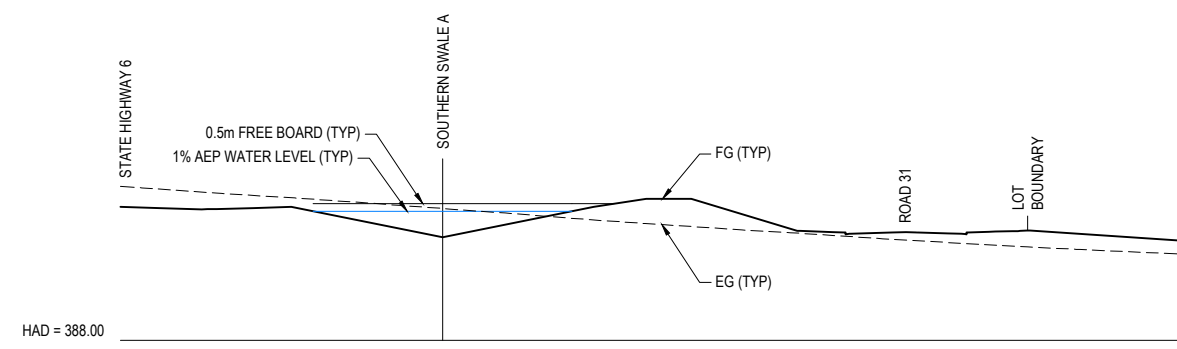
LAYOUT PLAN
SCALE 1 : 1000



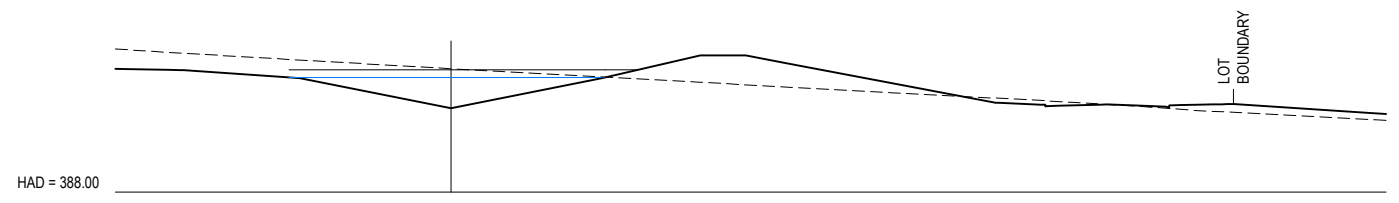
100.00



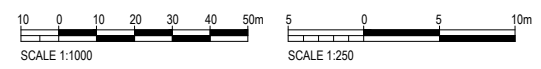
200.00



50.00



150.00



CROSS-SECTIONS
SCALE 1 : 250

NOT FOR CONSTRUCTION

REV	ISSUED FOR CONSENT	REVISIONS	MS DRN	BJ CHK	PSW APP	11.04.25 DATE
0	ISSUED FOR CONSENT					

SURVEYED	Patersons	08.24
DESIGNED	Ferdie Zimmerman	03.25
DRAWN	Gerhard Heyden	03.25
CAD REVIEW	Brent James	11.04.25
DESIGN CHECK	Peter Thomson	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING
STORMWATER
SOUTHERN SWALE A - PLAN AND CROSS SECTIONS SHT 1 OF 2

Status Stamp	FOR CONSENT
Date Stamp	11.04.2025
Scales	AS SHOWN
Drawing No.	310104425-00-000-C0274
Rev.	0

C:\AUTODESK\ACCORD\STANTEC CONSULTING\31010105_HOMESTEAD_BAY\PROJECT FILES\01_WPI_CDRAWINGS\310104425-00-000-C0274.DWG

ACCEPTED MANUSCRIPT



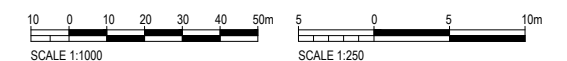
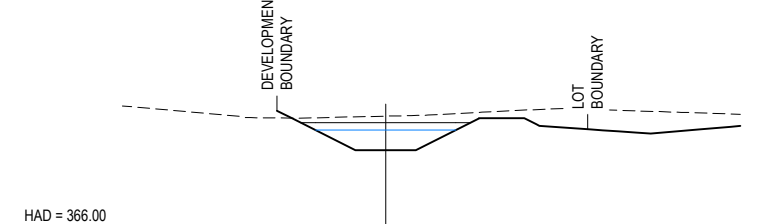
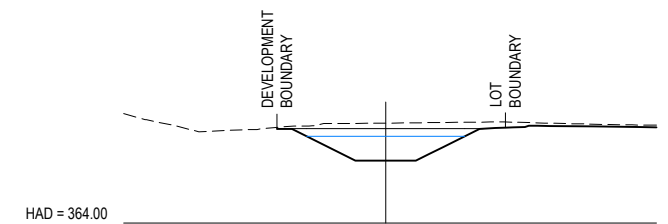
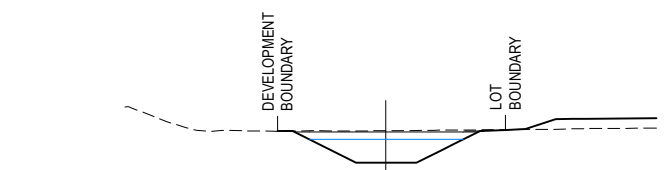
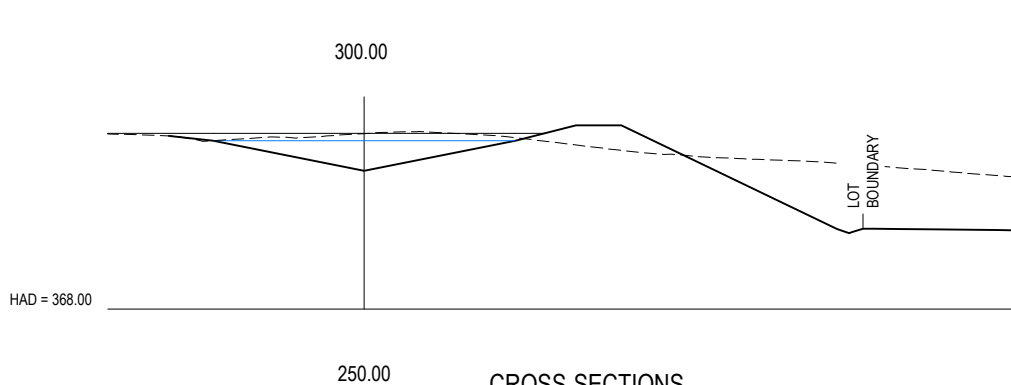
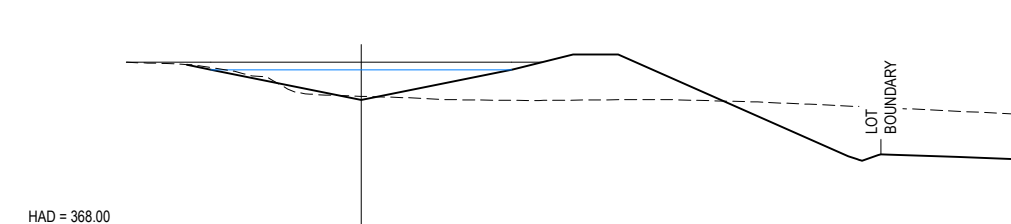
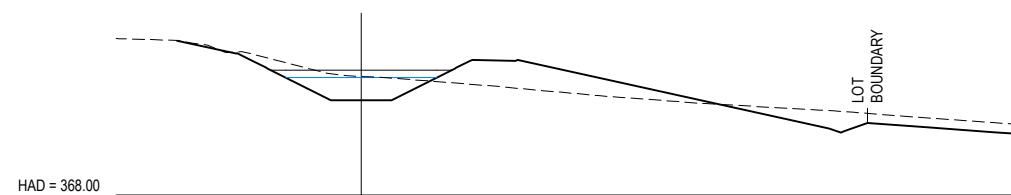
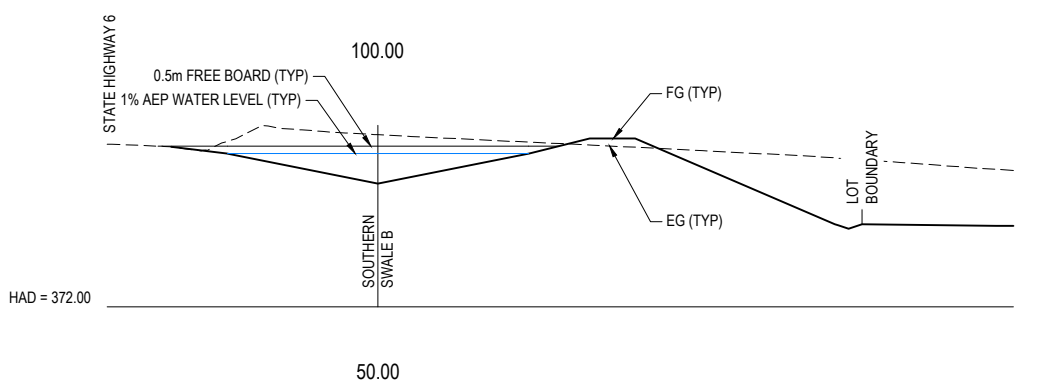
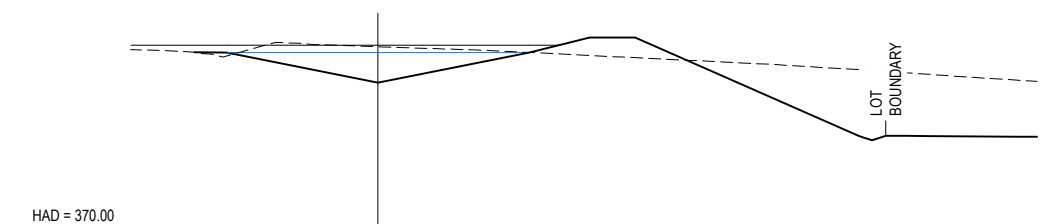
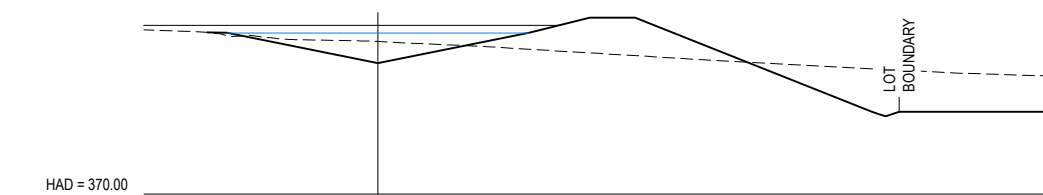
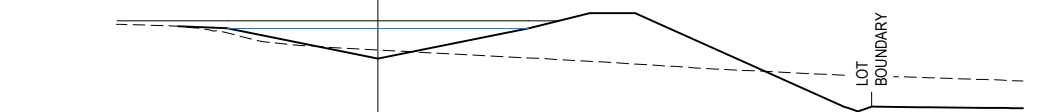
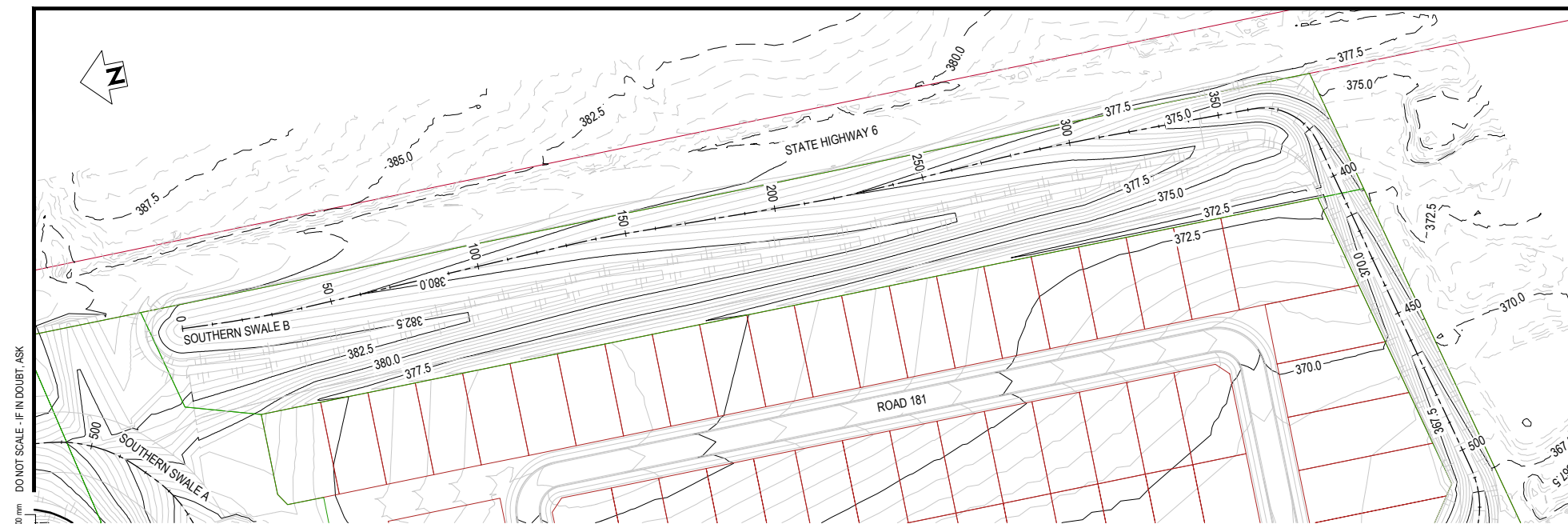
0

0	ISSUED FOR CONSENT				
REV	REVISIONS	GH DRN	BJ CHK	PSW APP	11/04/25 DATE

SURVEYED	Patersons	08.24
DESIGNED	Ferdie Zimmerman	03.25
DRAWN	Gerhard Heyden	03.25
CAD REVIEW	Brent James	11.04.25
DESIGN CHECK	Peter Thomson	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



STORMWATER
SOUTHERN SWALE A - PLAN AND CROSS SECTIONS SHT 2 OF 2

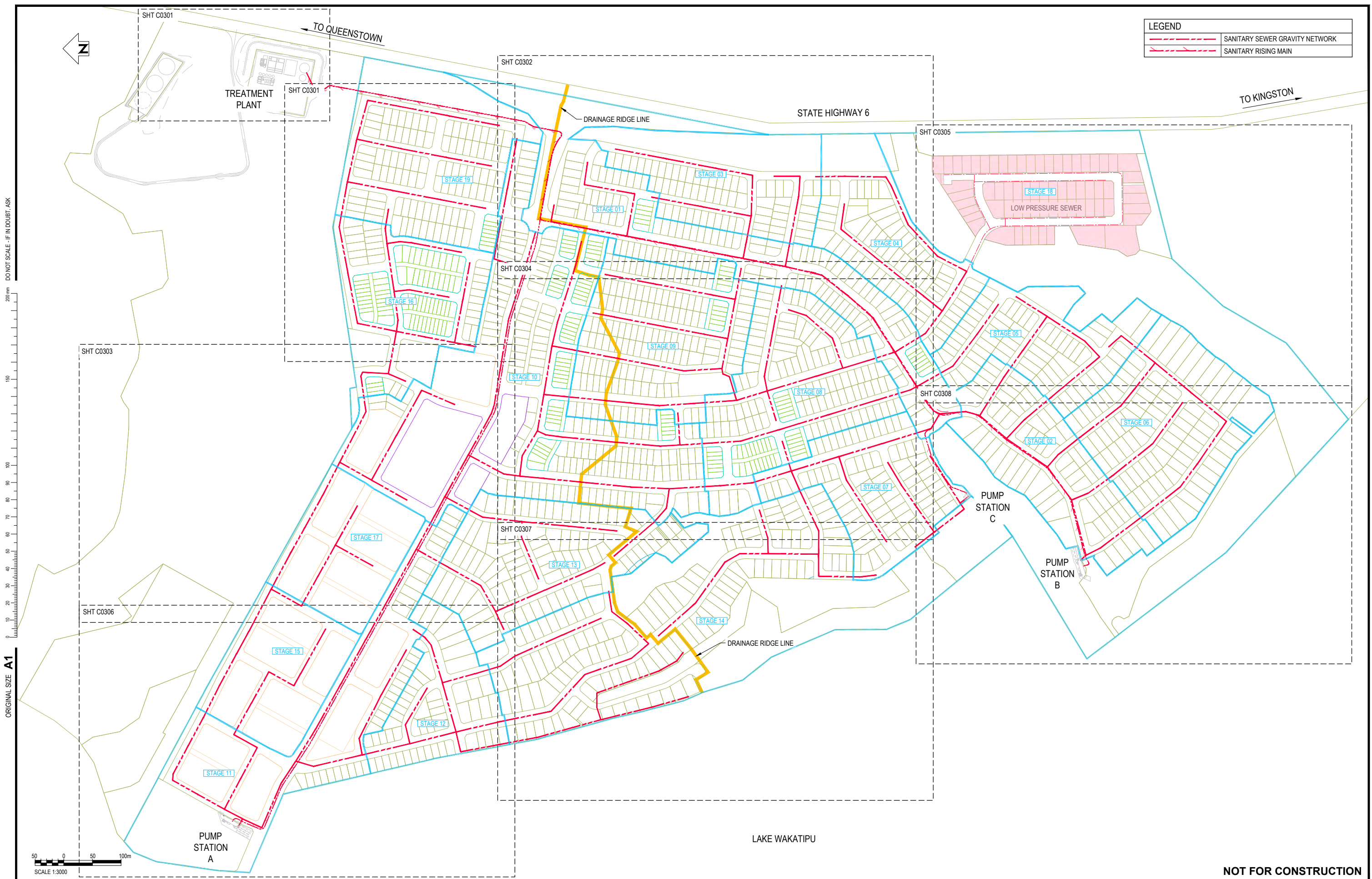


NOT FOR CONSTRUCTION

										SURVEYED Patersons 08.24					Client:	HOMESTEAD BAY SUBDIVISION, QUEENSTOWN MASTER PLANNING				Status Stamp FOR CONSENT	
										DESIGNED Ferdie Zimmerman 03.25						Date Stamp 11.04.2025					
										DRAWN Gerhard Heyden 03.25						Scales AS SHOWN					
										CAD REVIEW Brent James 11.04.25						Drawing No. 310104425-00-000-C0276					
										DESIGN CHECK Peter Thomson 11.04.25						Rev. 0					
										DESIGN REVIEW Peter White 11.04.25											
										APPROVED Peter White 11.04.25											
										PROF REGISTRATION:											

HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

STORMWATER
SOUTHERN SWALE B - PLAN AND CROSS SECTIONS



ORIGINAL SIZE A1
DO NOT SCALE - IF IN DOUBT, ASK

0
REV

ISSUED FOR CONSENT

REVISIONS

GHVBJ
DRN

PAT
CHK

PSW
APP

11.04.25
DATE

SURVEYED	Patersons	08.24
DESIGNED	Matt Barber	03.25
DRAWN	Gerhard Heyden / Brent James	03.25
CAD REVIEW	Peter Thomson	11.04.25
DESIGN CHECK	Jack Boyd	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		

Client



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

UTILITIES - SS
SANITARY SEWER - OVERALL LAYOUT

Status Stamp

FOR CONSENT

Date Stamp

11.04.2025

Scales

1:3000

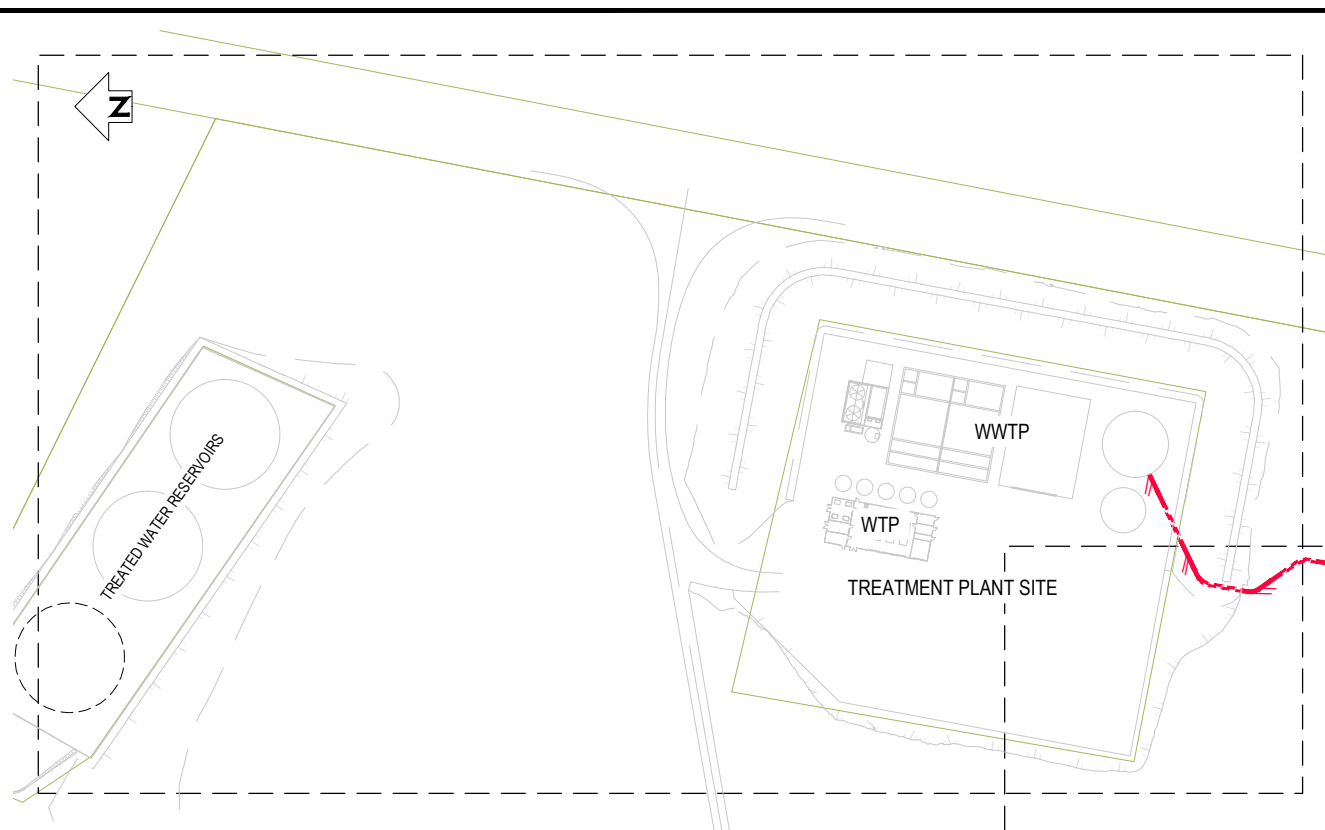
Drawing No.



310104425-00-000-C0300

Rev.

0

PLOTTED : 10/04/2025 3:01:40 pm



LEGEND	
	SANITARY SEWER GRAVITY NETWORK
	SANITARY RISING MAIN



SURVEYED	Patersons	08.24
DESIGNED	Matt Barber	03.25
DRAWN	Gerhard Heyden	03.25
CAD REVIEW	Brent James	11.04.25
DESIGN CHECK	Jack Boyd	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25



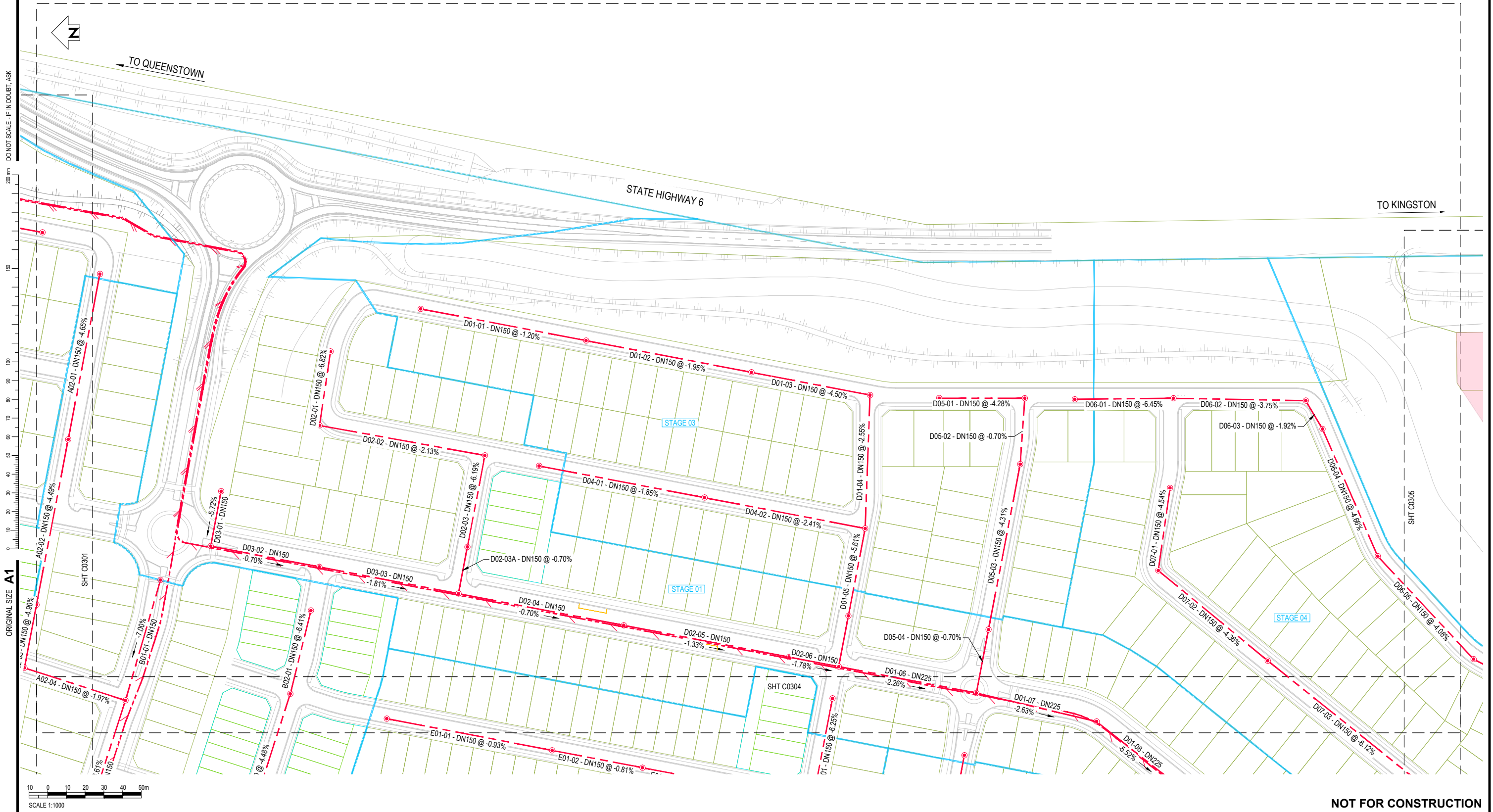
HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

UTILITIES - SS
SANITARY SEWER LAYOUT - SHEET 1 OF 8

Status Stamp	FOR CONSENT	
Date Stamp	11.04.2025	
Scales	1:1000	
Drawing No.	310104425-00-000-C0301	Rev. C

C:\AUTODESK\ACAD\DCS\ISTANTEC\CONSULTING\310101105_HOMESTEAD_BAY\PROJECT FILES\01_WIP_C\DRAWINGS\310104\25-00-000-C0301.DWG

LEGEND	
	SANITARY SEWER GRAVITY NETWORK
	SANITARY RISING MAIN



NOT FOR CONSTRUCTION

REV	ISSUED FOR CONSENT	REVISIONS	BJ	GH	PSW	11.04.25
0			DRN	CHK	APP	DATE

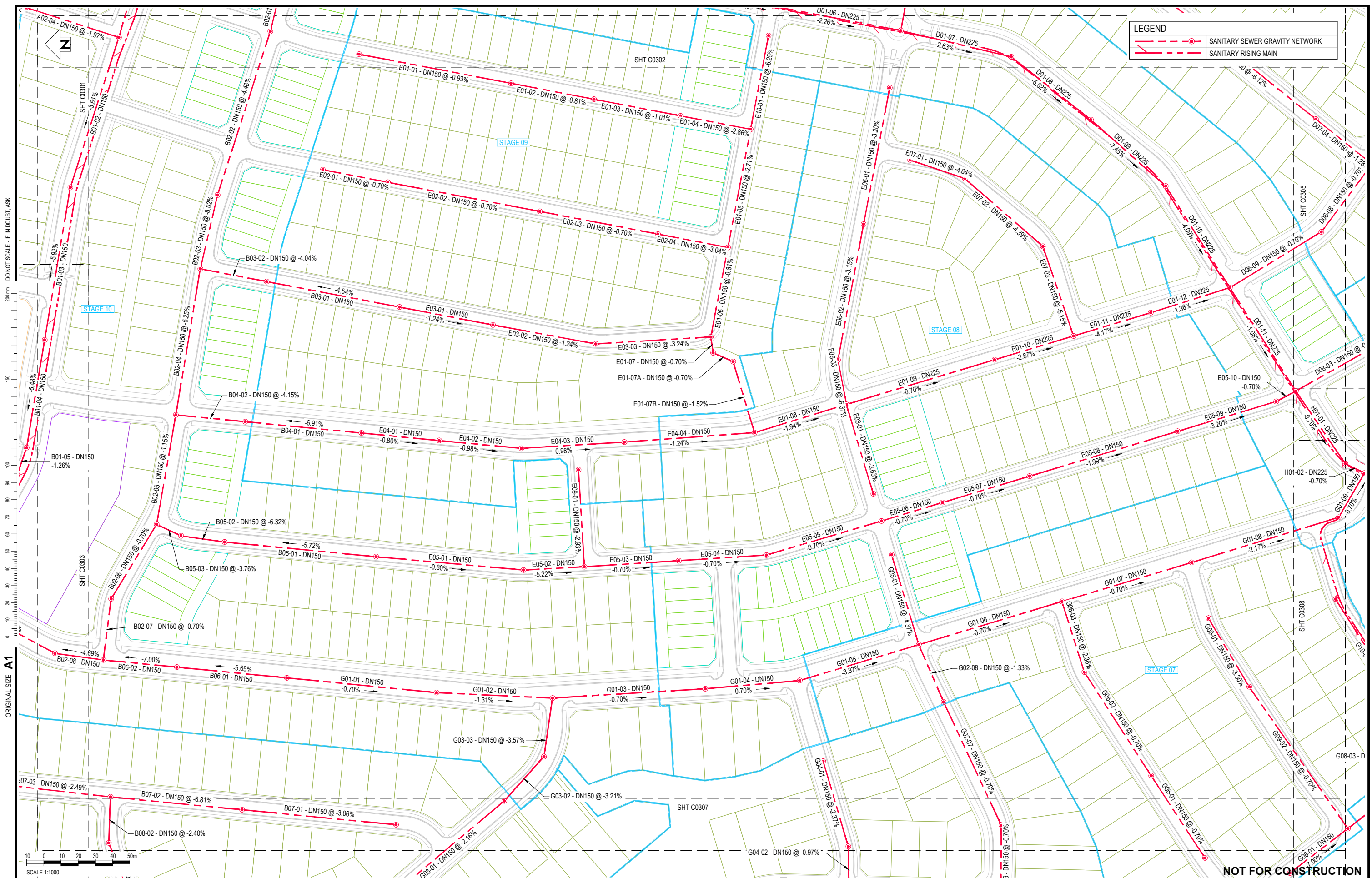
SURVEYED	Patersons	08.24
DESIGNED	Matt Barber	03.25
DRAWN	Brent James	03.25
CAD REVIEW	Gerhard Heyden	11.04.25
DESIGN CHECK	Jack Boyd	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

UTILITIES - SS
SANITARY SEWER LAYOUT - SHEET 2 OF 8

Status Stamp	FOR CONSENT
Date Stamp	11.04.2025
Scales	1:1000
Drawing No.	310104425-00-000-C0302
Rev.	0

[illegible]

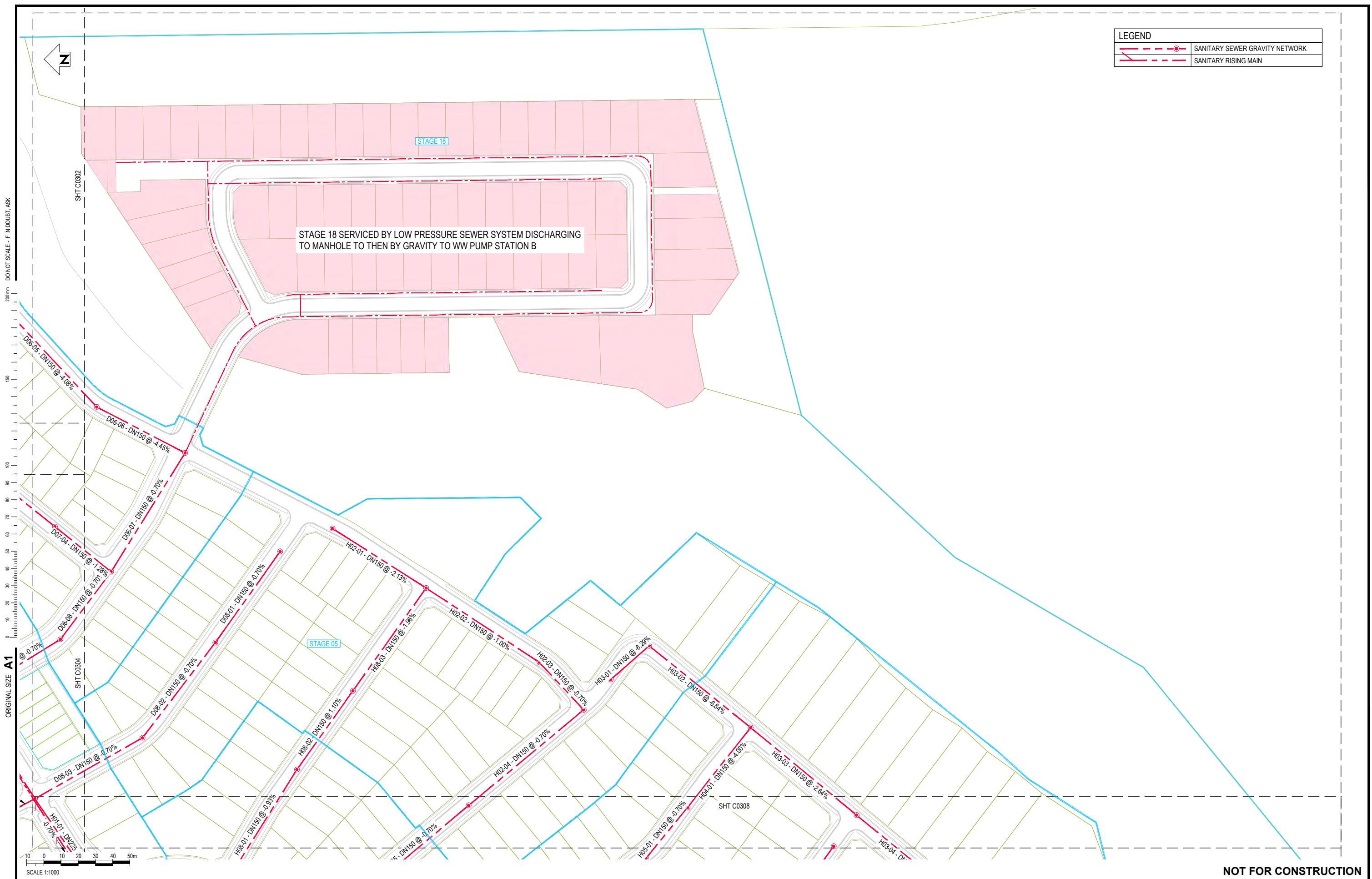
SURVEYED	Petersons	08.24
DESIGNED	Matt Barber	03.25
DRAWN	Brent James	03.25
CAD REVIEW	Gerhard Heyden	11.04.25
DESIGN CHECK	Jack Boyd	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

UTILITIES - SS
SANITARY SEWER LAYOUT - SHEET 4 OF 8

Status Stamp	FOR CONSENT	
Date Stamp	11.04.2025	
Scales	1:1000	
Drawing No.	310104425-00-000-C0304	Rev. 0



ORIGINAL SIZE A1
DO NOT SCALE - IF IN DOUBT, ASK

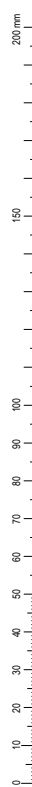
LEGEND	
	SANITARY SEWER GRAVITY NETWORK
	SANITARY RISING MAIN

NOT FOR CONSTRUCTION

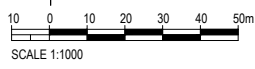
PLT 0012 - 10/04/2025 13:02 pm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	</
--------------------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

ORIGINAL SIZE A1

DO NOT SCALE - IF IN DOUBT, ASK

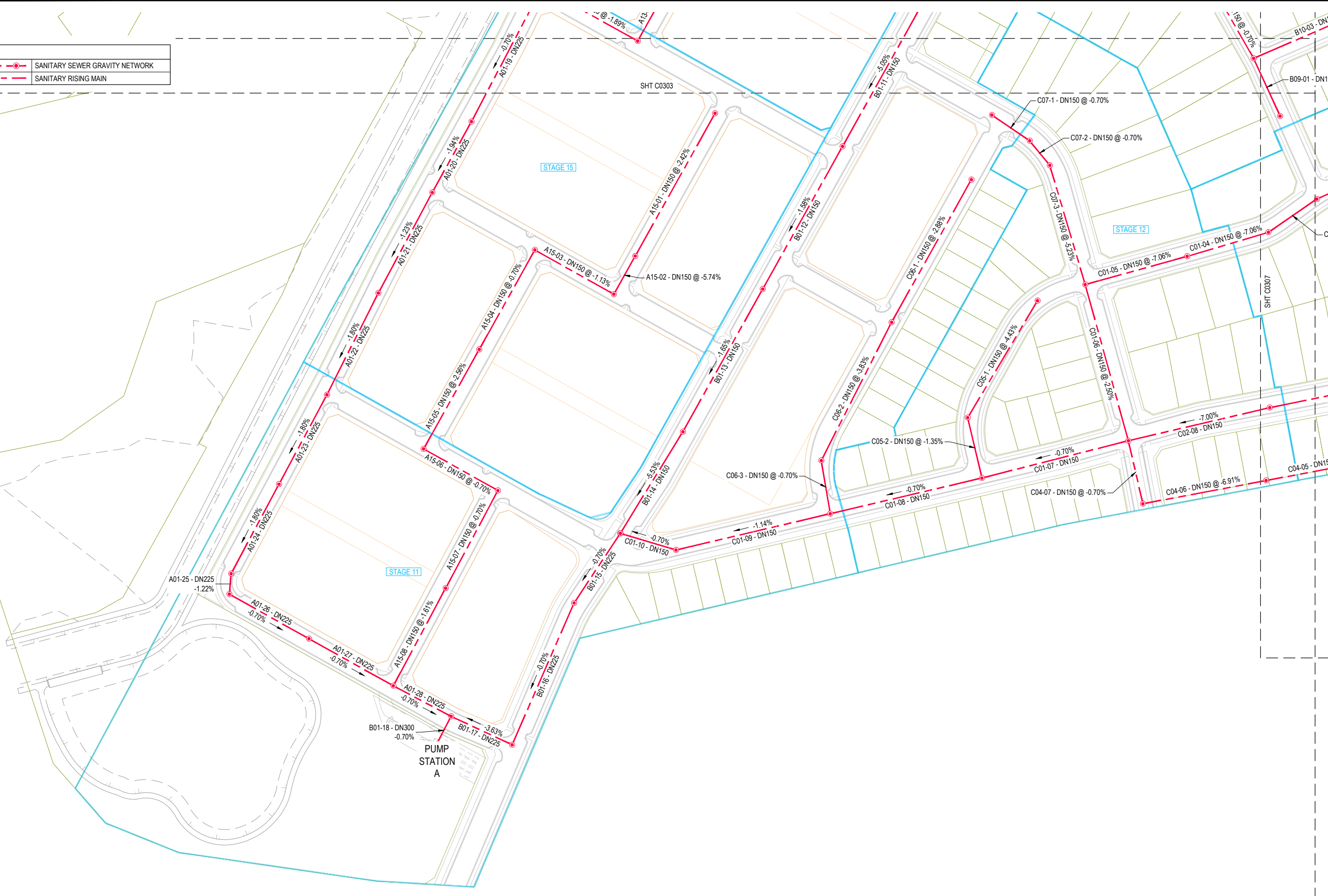


10 0 10 20 30 40 50m



SCALE 1:1000

LEGEND	
	SANITARY SEWER GRAVITY NETWORK
	SANITARY RISING MAIN



NOT FOR CONSTRUCTION

REV	ISSUED FOR CONSENT	GH	BJ	PSW	11.04.25
0	ISSUED FOR CONSENT	DRN	CHK	APP	DATE

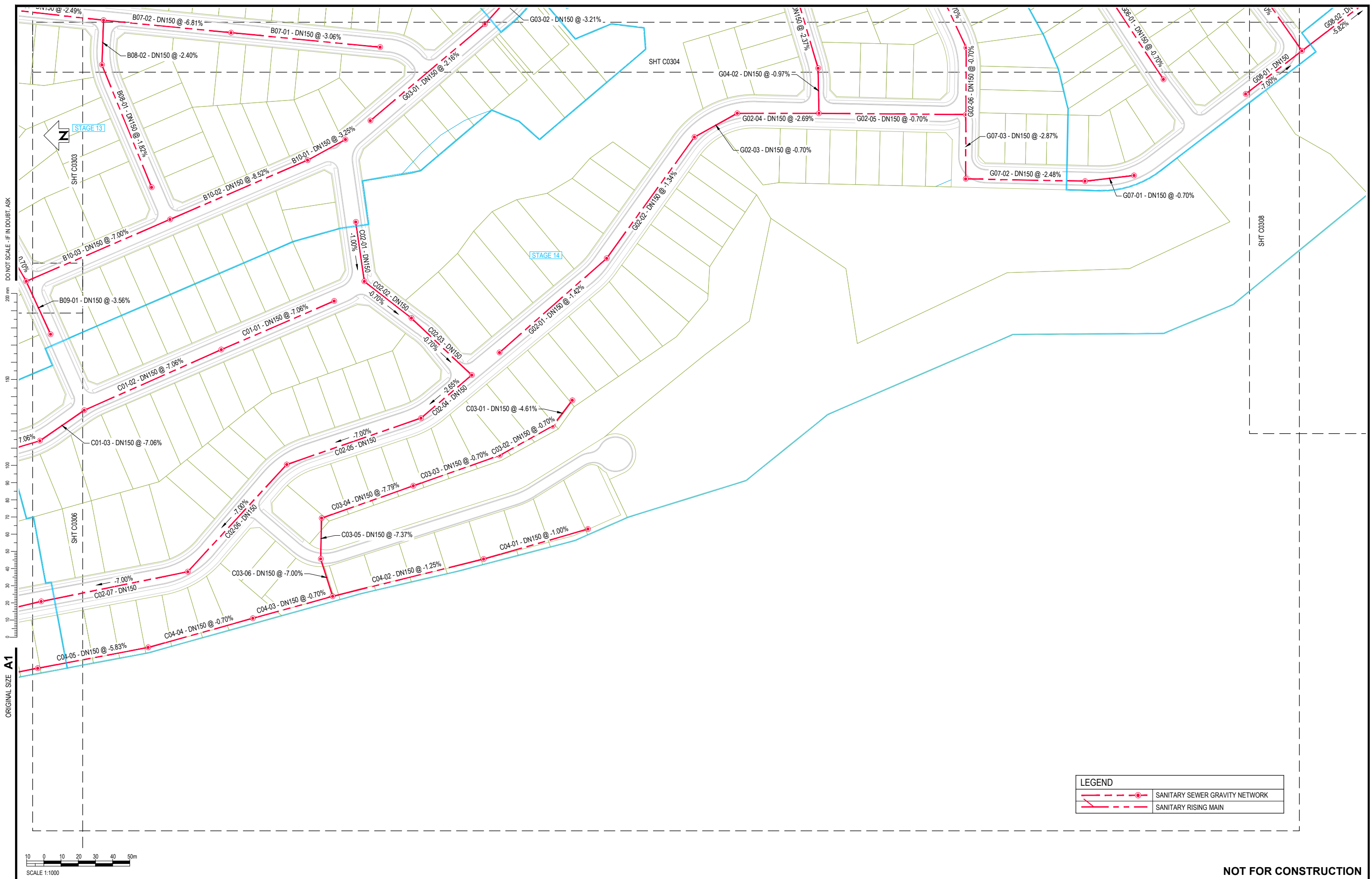
SURVEYED	Patersons	08.24
DESIGNED	Matt Barber	03.25
DRAWN	Gerhard Heyden	03.25
CAD REVIEW	Brent James	11.04.25
DESIGN CHECK	Jack Boyd	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

UTILITIES - SS
SANITARY SEWER LAYOUT - SHEET 6 OF 8

Status Stamp	FOR CONSENT	
Date Stamp	11.04.2025	
Scales	1:1000	
Drawing No.	310104425-00-000-C0306	Rev. 0



100% ISSUED FOR CONSENT

REVISIONS

BJ GH PSW 11.04.25
DRN CHK APP DATE

SURVEYED Patersons 08.24

DESIGNED Matt Barber 03.25

DRAWN Brent James 03.25

CAD REVIEW Gerhard Heyden 11.04.25

DESIGN CHECK Jack Boyd 11.04.25

DESIGN REVIEW Peter White 11.04.25

APPROVED Peter White 11.04.25

PROF REGISTRATION:

HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

UTILITIES - SS
SANITARY SEWER LAYOUT - SHEET 7 OF 8

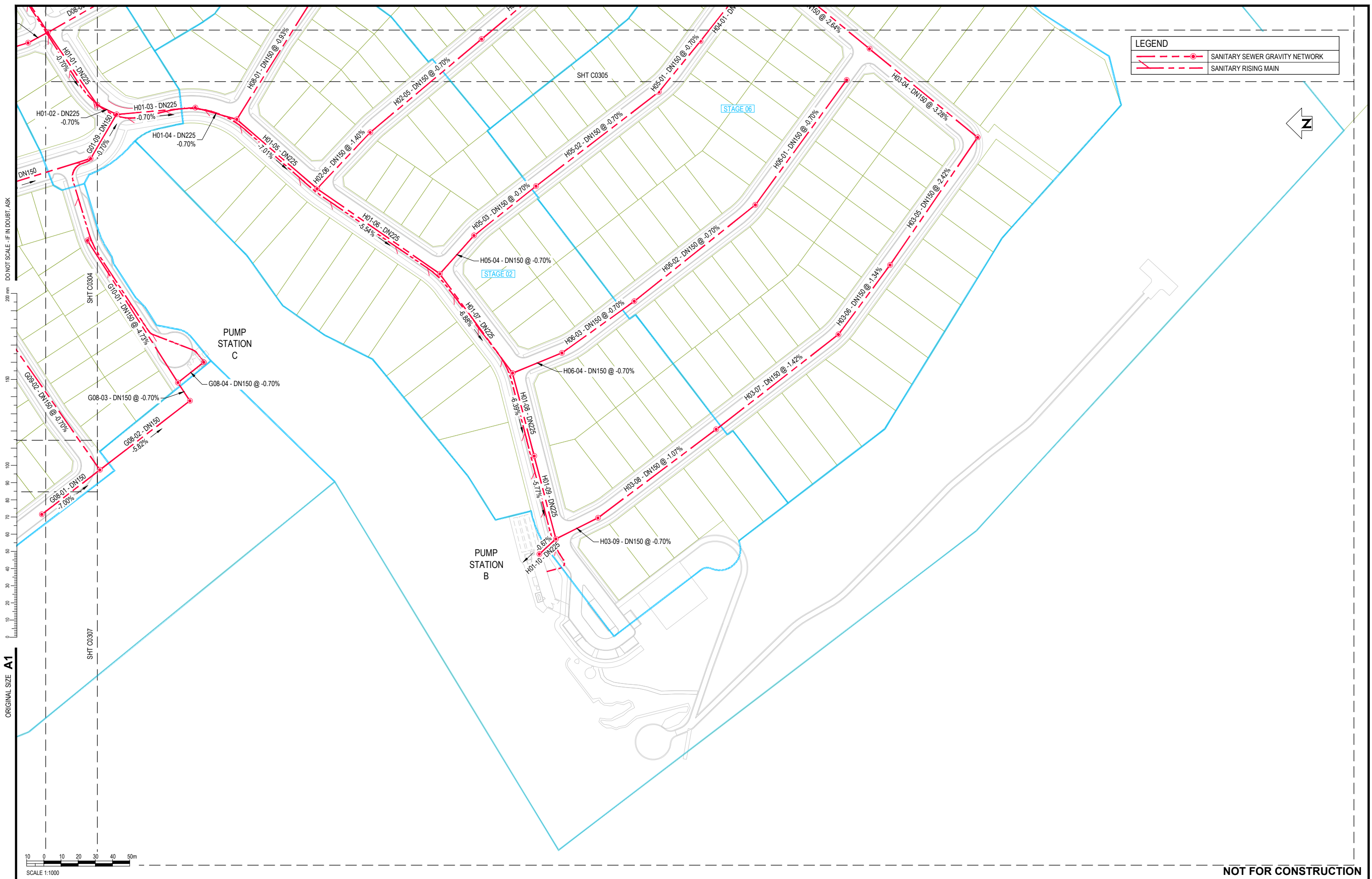
Status Stamp
FOR CONSENT

Date Stamp
11.04.2025

Scales 1:1000

Drawing No.
310104425-00-000-C0307

Rev.
0

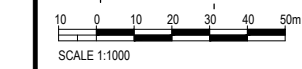


LEGEND	
	SANITARY SEWER GRAVITY NETWORK
	SANITARY RISING MAIN



ORIGINAL SIZE A1

DO NOT SCALE - IF IN DOUBT, ASK



NOT FOR CONSTRUCTION

				SURVEYED			Patersons		08.24				Client:	HOMESTEAD BAY SUBDIVISION, QUEENSTOWN MASTER PLANNING				Status Stamp		FOR CONSENT	
				DESIGNED			Matt Barber		03.25									Date Stamp		11.04.2025	
				DRAWN			Brent James		03.25					Scales 1:1000							
				CAD REVIEW			Gerhard Heyden		11.04.25					Drawing No. 310104425-00-000-C0308							
				DESIGN CHECK			Jack Boyd		11.04.25									Rev. 0			
				DESIGN REVIEW			Peter White		11.04.25												
				APPROVED			Peter White		11.04.25												
				PROF REGISTRATION:																	

DO NOT SCALE - IF IN DOUBT, ASK

200 mm
150
100
90
80
70
60
50
40
30
20
10
0

ORIGINAL SIZE A1

PLotted: 10/04/2025 11:31 am

(COVERED WITH
ODOUR DUCTING)

PSA
PSB

RECEIVING
CHAMBER

COARSE
SCREEN
FINE
SCREEN

SKIP

LIFT PS
(REF NOTE 1)

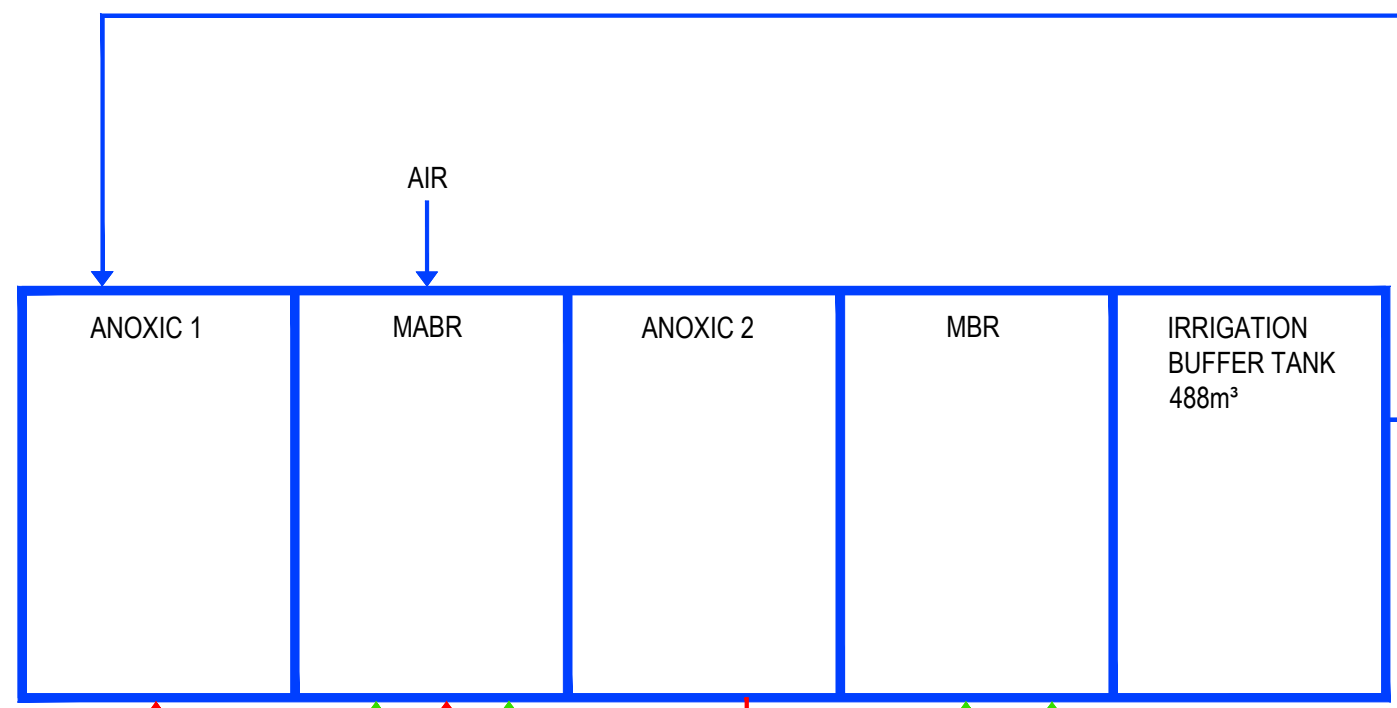
BUFFER
TANK
1ML

CONTROL VALVE PASS
FORWARD FLOW
0 L/s - ADWF (22.97 L/s), OR
AWWF (44.94 L/s)

STACK
ODOUR
TREATMENT
FACILITY

RECEIVING WASTE
AIR FROM ALL
PROCESS UNITS

- PLANT LOCATED IN BUILDING:
- COMPRESSED AIR
 - CIP SYSTEM
 - MCC / CONTROLS
 - CENTRIFUGE AND LOAD OUT
 - SAFETY SHOWER
 - SERVICE WATER PUMPS



LTA's OPERATE
21 HR / DAY

CITRIC / HYPO

CIP
TANK

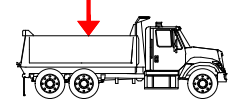
RAS / WAS
PUMP

BACKWASH
FEED TANK

BACKWASH
WASTE / WAS
BUFFER TANK

CENTRIFUGE
FEED PUMP

CENTRIFUGE



- NOTES:
1. LIFT PS COULD BE U/S OF INLET WORKS (DEPENDENT ON HYDRAULIC DRIVING HEAD REQUIREMENTS THROUGH MABR / MBR).
 2. BUFFER TANK SIZED TO HOLD FLOWS >ADWF OR AWWF.
 3. IRRIGATION BUFFER TANK SIZED TO HOLD FLOWS EQUIVALENT TO 3HRS AT AWWF.

REV	ISSUED FOR CONSENT	BG DRN	PAT CHK	PSW APP	DATE
0					11.04.25

SURVEYED	Patersons	08.24
DESIGNED	Richard Bennett	03.25
DRAWN	Brent Grey	11.24
CAD REVIEW	Peter Thomson	11.04.25
DESIGN CHECK	Peter Thomson	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

UTILITIES - SS
WASTEWATER TREATMENT PLANT - PROCESS SCHEMATIC

Status Stamp	FOR CONSENT
Date Stamp	11.04.2025
Scales	NTS
Drawing No.	310104425-00-000-C0350
Rev.	0

NOT FOR CONSTRUCTION

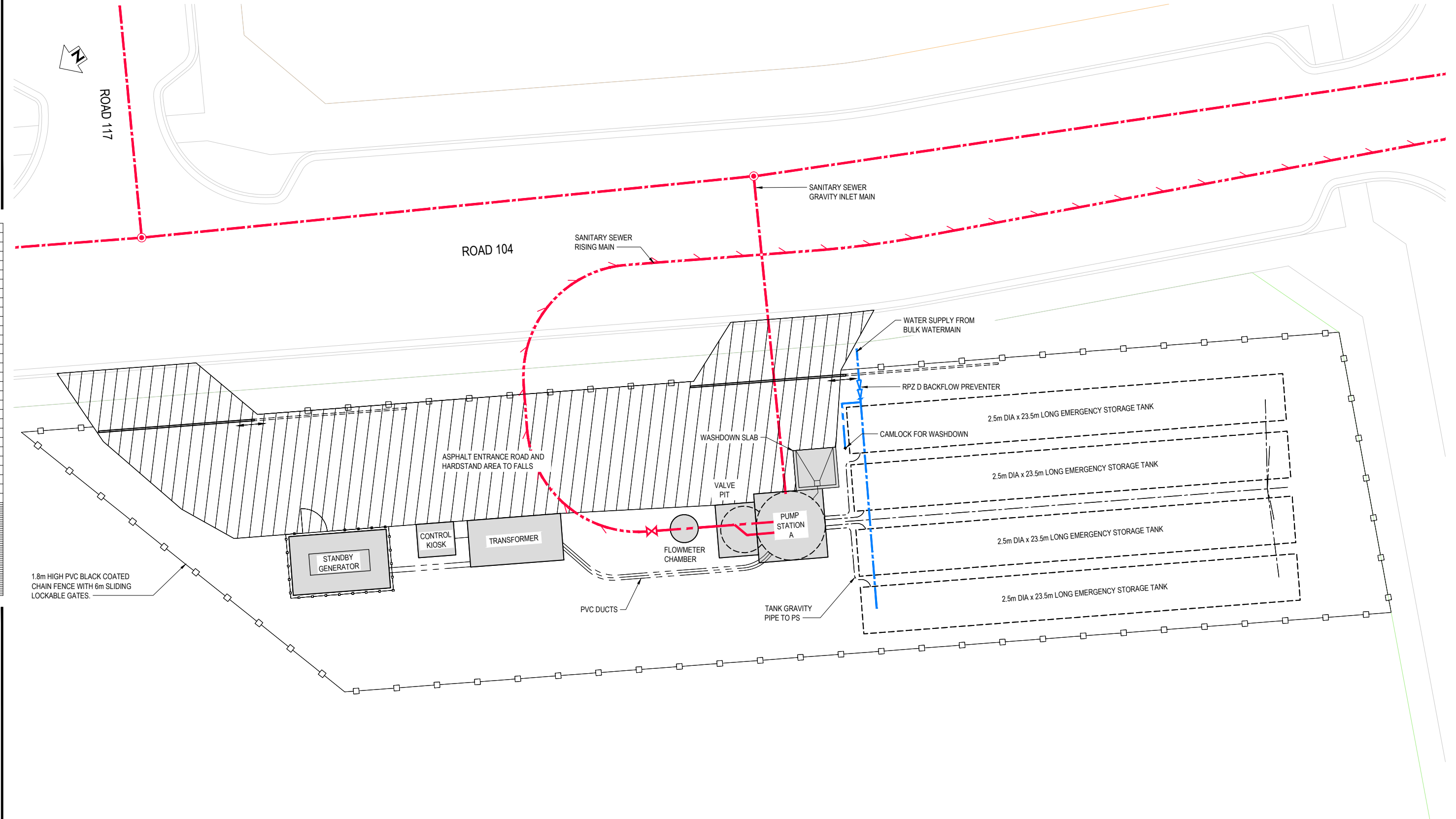
DO NOT SCALE - IF IN DOUBT, ASK

200 mm
150
100
90
80
70
60
50
40
30
20
10
0

ORIGINAL SIZE A1

2 0 5m
SCALE 1:100

PLOTTED: 10/04/2025 11:18 am



NOT FOR CONSTRUCTION

REV	ISSUED FOR CONSENT	REVISIONS	BJ DRN	PAT CHK	PSW APP	11.04.25 DATE
0	ISSUED FOR CONSENT					

SURVEYED	Patersons	08.24
DESIGNED	Ben Martin	03.25
DRAWN	Brent James	03.25
CAD REVIEW	Peter Thomson	11.04.25
DESIGN CHECK	Peter Thomson	11.04.25
DESIGN REVIEW	Richard Bennett	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING
SANITARY SEWER
PUMP STATION A SITE PLAN

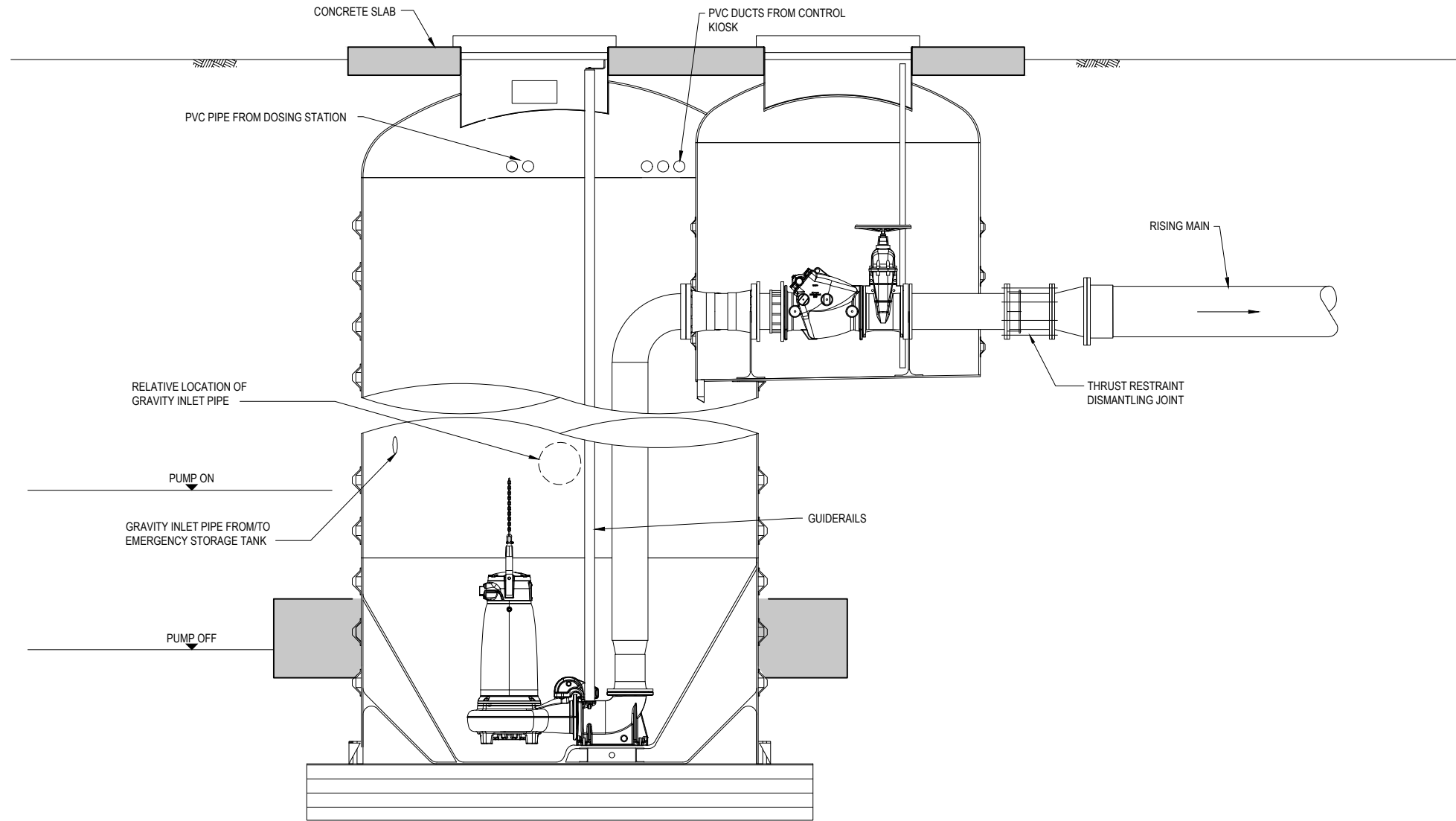
Status Stamp	FOR CONSENT
Date Stamp	11.04.2025
Scales	1:100
Drawing No.	310104425-00-000-C0351
Rev.	0

DO NOT SCALE - IF IN DOUBT, ASK

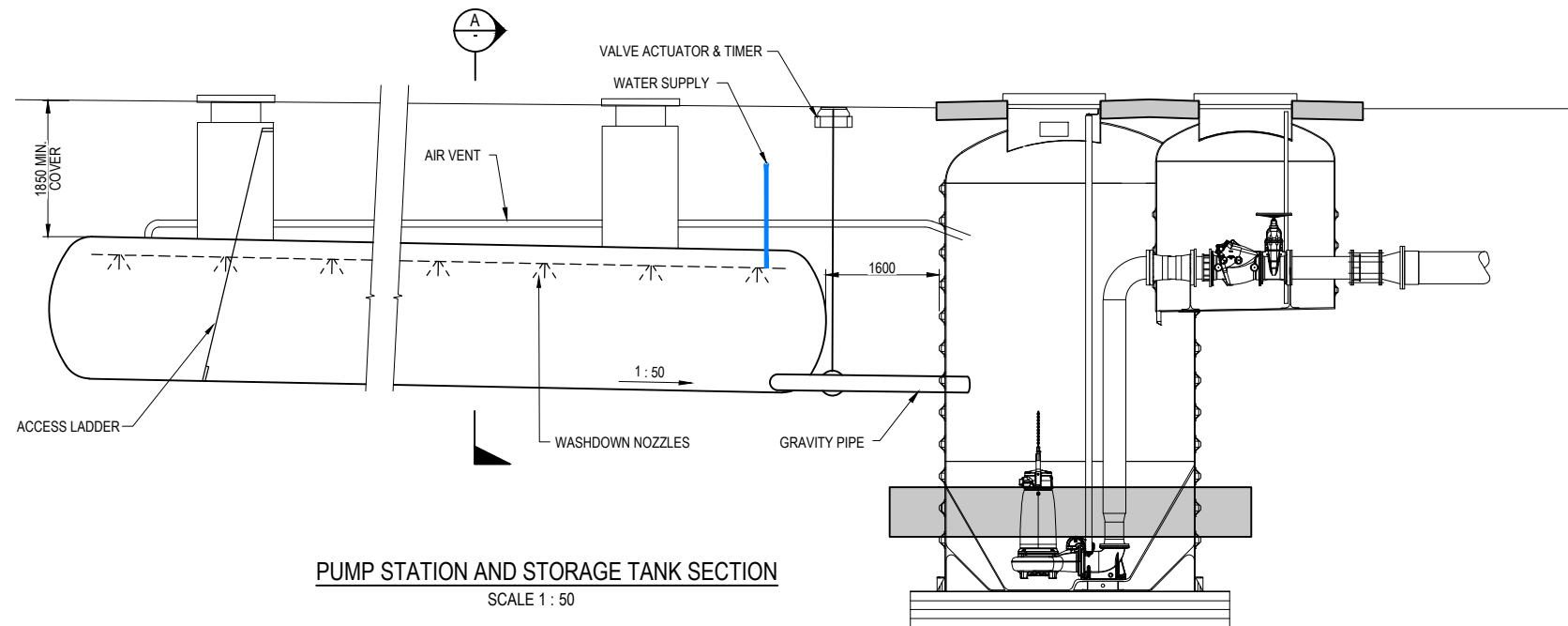
200 mm
150
100
90
80
70
60
50
40
30
20
10
0

ORIGINAL SIZE A1

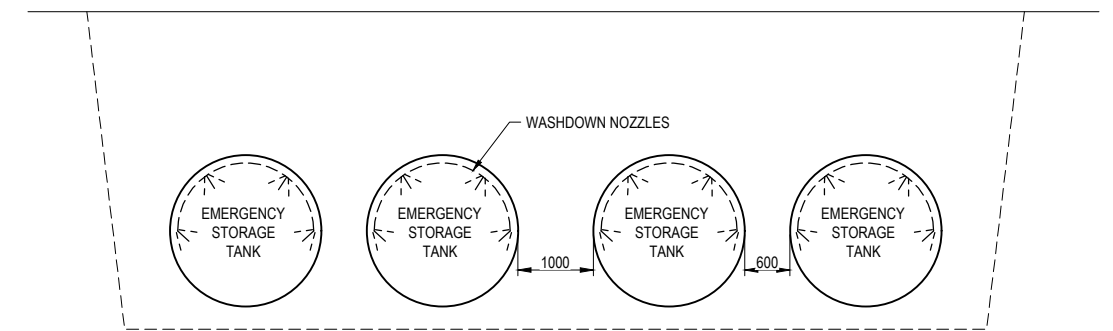
PLOTTED: 10/04/2025 11:14 am



PUMP STATION SECTION
SCALE 1 : 25



PUMP STATION AND STORAGE TANK SECTION
SCALE 1 : 50



SECTION A
SCALE 1 : 50

1 0 1 2m
SCALE 1:50

500 0 500mm 1m
SCALE 1:25

NOT FOR CONSTRUCTION

REV	REVISIONS	DRN	CHK	APP	DATE

SURVEYED	
DESIGNED	
DRAWN	
CAD REVIEW	
DESIGN CHECK	
DESIGN REVIEW	
APPROVED	
PROF REGISTRATION:	



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

SANITARY SEWER
PUMP STATION A SECTIONS

Status Stamp	WORKING PLOT
Date Stamp	09.04.2025
Scales	1:50 1:25
Drawing No.	310104425-00-000-C0352
Rev.	A

DO NOT SCALE - IF IN DOUBT, ASK

200 mm
150
100
90
80
70
60
50
40
30
20
10
0



ORIGINAL SIZE **A1**



PLOTTED: 10/04/2025 11:36 am

REV	ISSUED FOR CONSENT	REVISIONS	BJ DRN	PAT CHK	PSW APP	11.04.25 DATE
0	ISSUED FOR CONSENT					

SURVEYED	Patersons	08.24
DESIGNED	Ben Martin	03.25
DRAWN	Brent James	03.25
CAD REVIEW	Peter Thomson	11.04.25
DESIGN CHECK	Peter Thomson	11.04.25
DESIGN REVIEW	Richard Bennett	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

SANITARY SEWER
PUMP STATION B SITE PLAN

NOT FOR CONSTRUCTION

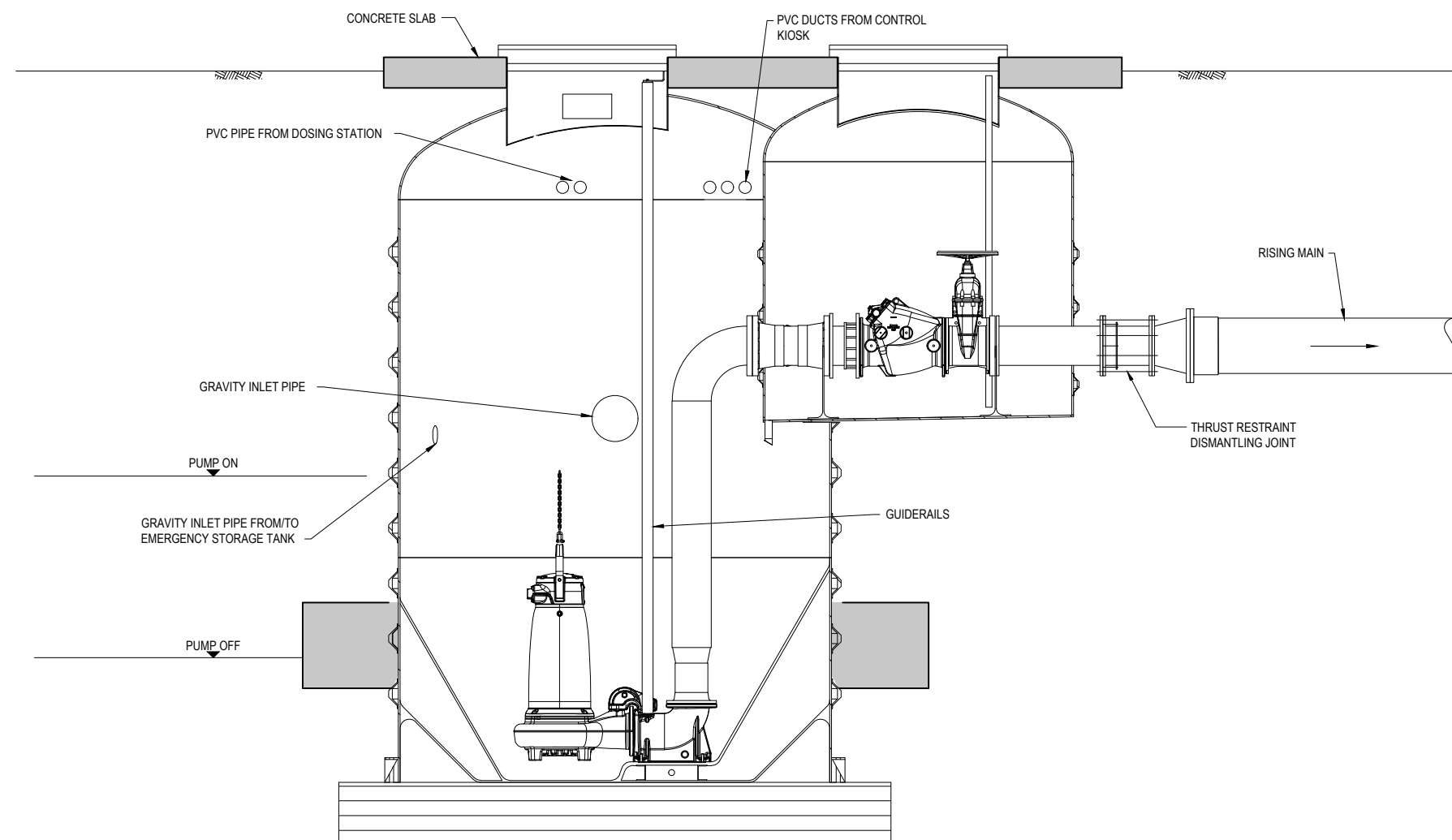
FOR CONSENT

Date Stamp: **11.04.2025**

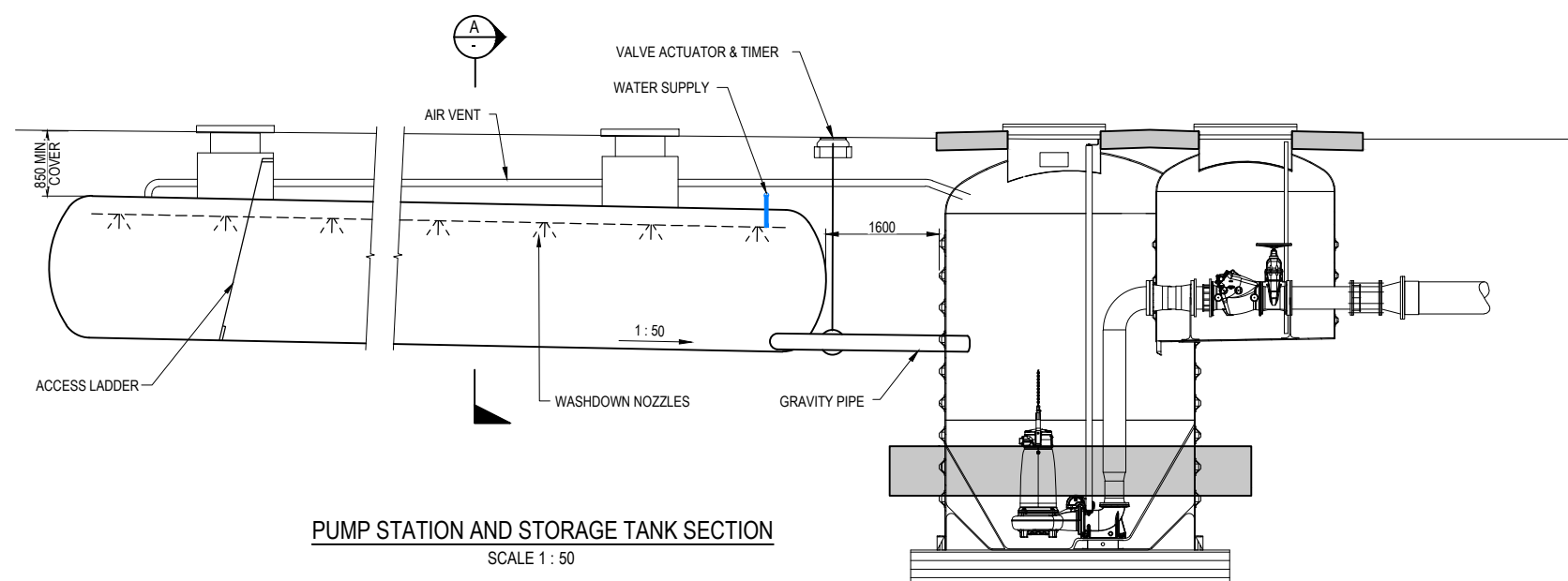
Scales: 1:100

Drawing No. **310104425-00-000-C0353**

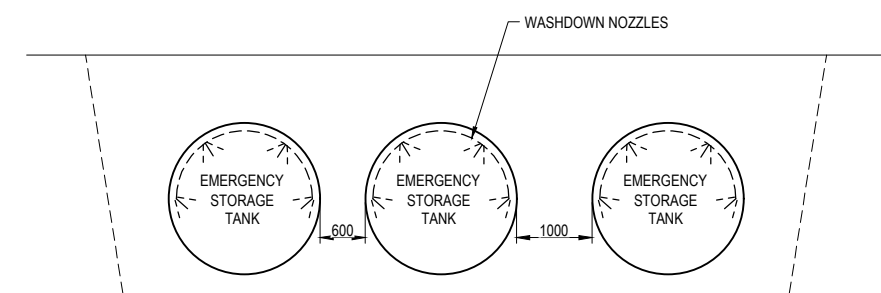
Rev. **0**

ORIGINAL SIZE **A1**

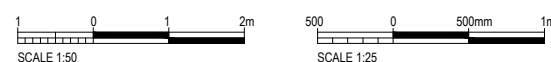
PUMP STATION SECTION
SCALE 1 : 25



PUMP STATION AND STORAGE TANK SECTION
SCALE 1 : 50



SECTION A
SCALE 1 : 50

[illegible]

SURVEYED		
DESIGNED		
DRAWN		
CAD REVIEW		
DESIGN CHECK		
DESIGN REVIEW		
APPROVED		
PROF REGISTRATION:		



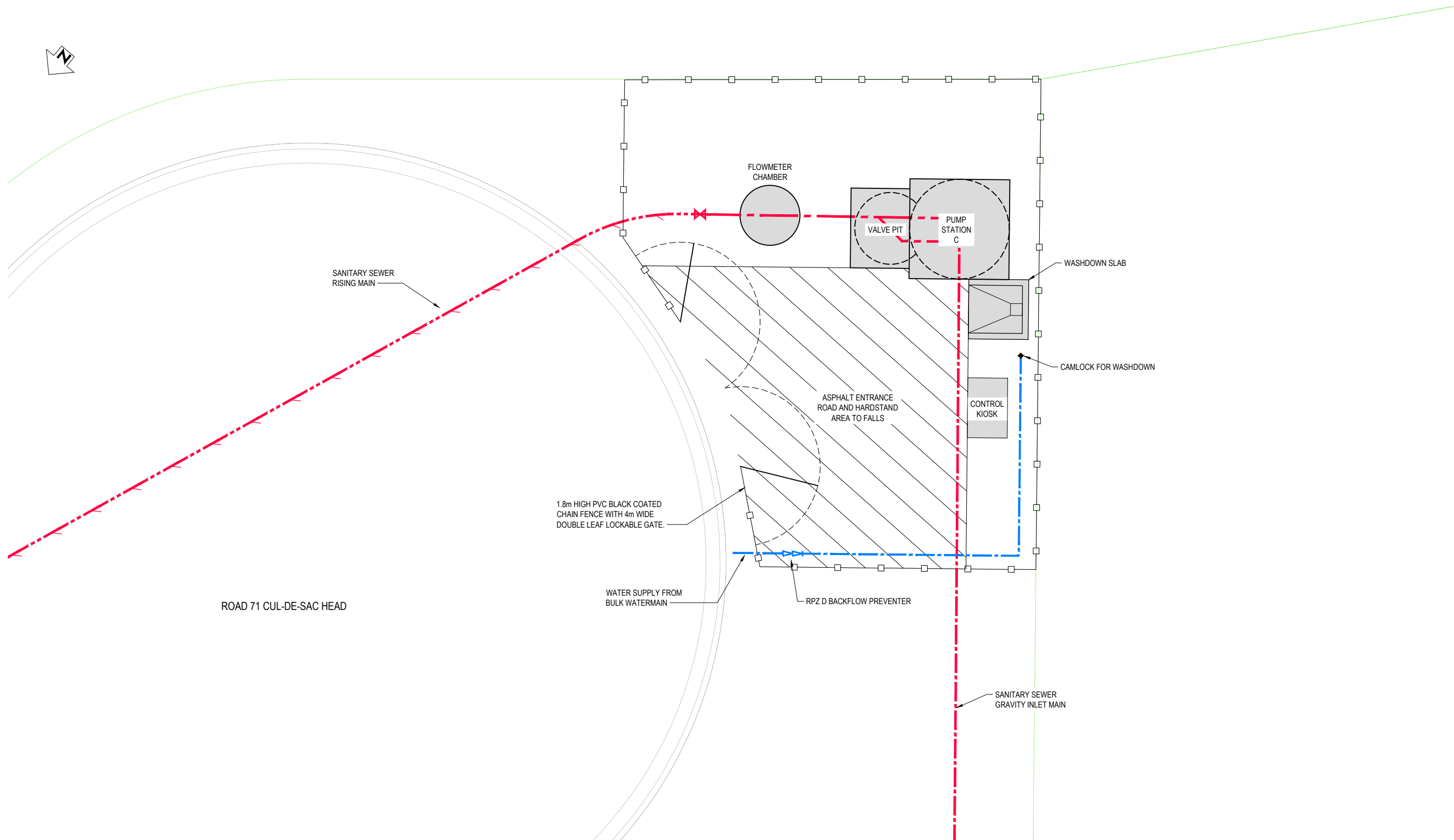
HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

SANITARY SEWER
PUMP STATION B SECTIONS

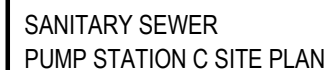
Status Stamp	WORKING PLOT	
Date Stamp	09.04.2025	
Scales	1:50 1:25	
Drawing No.	310104425-00-000-C0354	Rev. A

NOT FOR CONSTRUCTION

CLINTONDESKDCIACDDCCSISTANTECONCILETINC1245101105 HOMESTEAD DAYPROJECT F# E9101 MIB: C100MIBIQC131010145E 00 000 C03E4 D

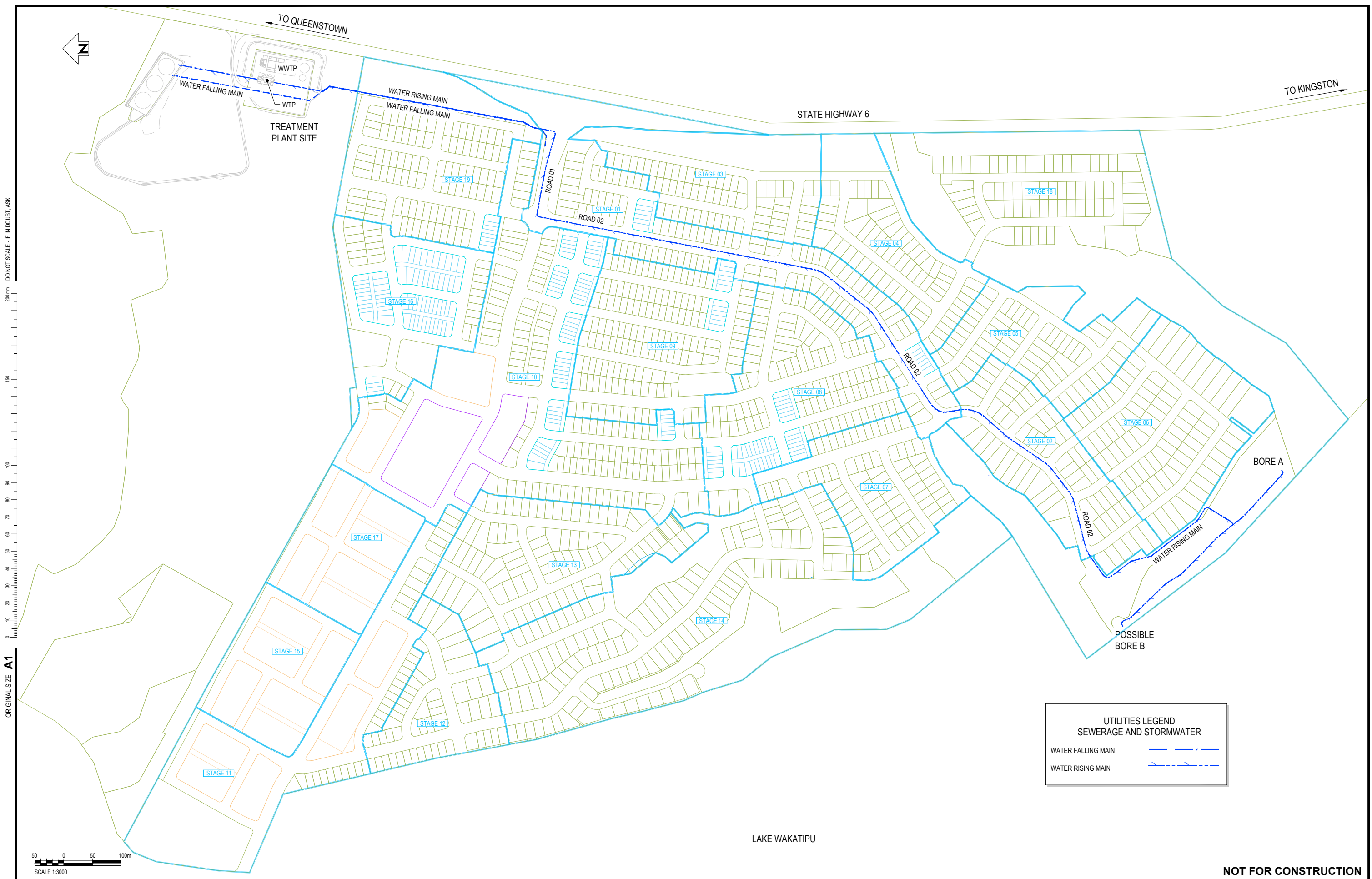


COPYRIGHT © THESE DRAWINGS SHALL ONLY BE USED FOR THE PURPOSE FOR WHICH THEY WERE SUPPLIED. ANY REUSE IS PROHIBITED AND NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR DISTRIBUTED WITHOUT THE WRITTEN PERMISSION OF STANTEC

[illegible]

NOT FOR CONSTRUCTION		
Status Stamp	FOR CONSENT	
Date Stamp	11.04.2025	
Scales: 1:50		
Drawing No.	310104425-00-000-C0355	Rev. 0

G:\UTODES\DCI\ACCDOS\ISTANTEC\CONSULTING\310101105_HOMESTEAD_BAY\PROJECT FILES\01_WIP_GIDRAWINGS\310104\25-00-000-C0355.DWG



UTILITIES LEGEND
SEWERAGE AND STORMWATER

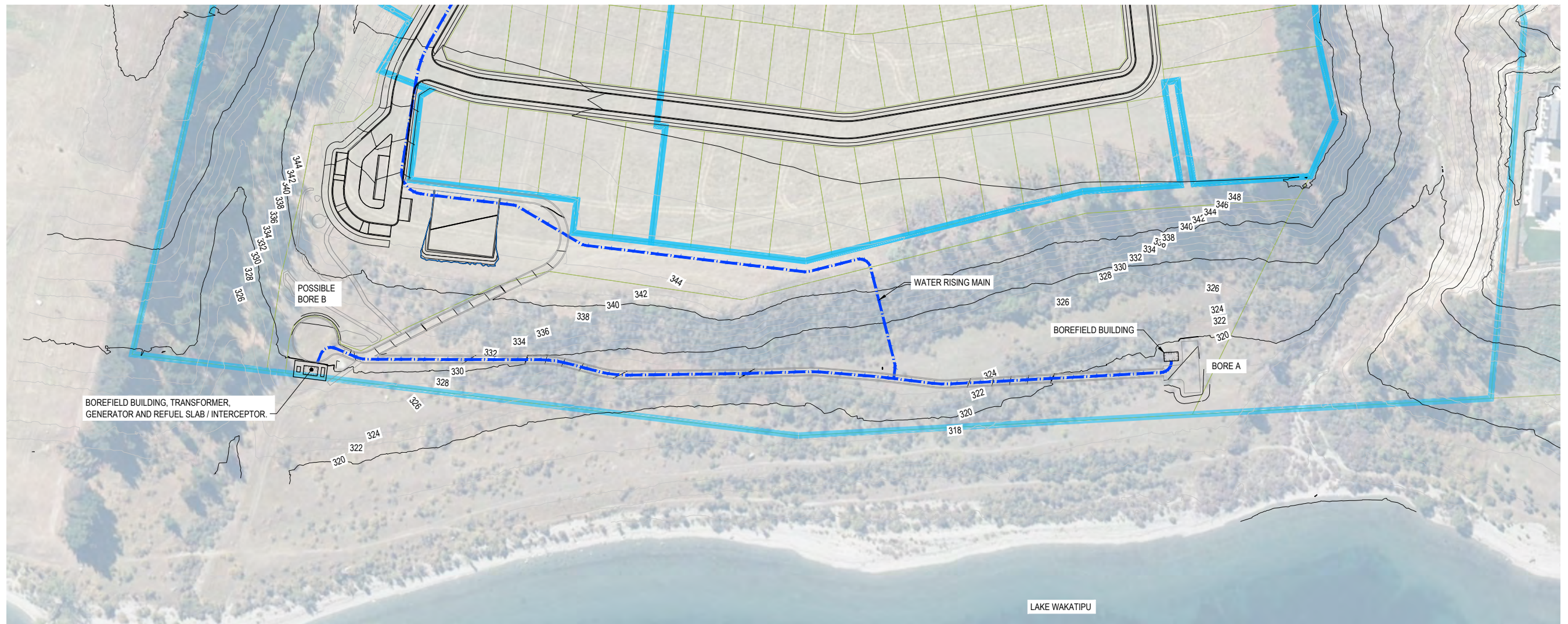
WATER FALLING MAIN ————

WATER RISING MAIN - - - - -

<div>PLotted: 10/04/2025 3:16:43 pm</div> <table><tr><td>0</td><td>ISSUED FOR CONSENT</td><td>GH</td><td>BJ</td><td>PSW</td><td>11.04.25</td></tr><tr><td>REV</td><td></td><td>DRN</td><td>CHK</td><td>APP</td><td>DATE</td></tr></table>										0	ISSUED FOR CONSENT	GH	BJ	PSW	11.04.25	REV		DRN	CHK	APP	DATE	<table><tr><td>SURVEYED</td><td>Patersons</td><td>08.24</td></tr><tr><td>DESIGNED</td><td>Gerhard Heyden</td><td>12.24</td></tr><tr><td>DRAWN</td><td>Gerhard Heyden</td><td>12.24</td></tr><tr><td>CAD REVIEW</td><td>Brent James</td><td>11.04.25</td></tr><tr><td>DESIGN CHECK</td><td>Peter Thomson</td><td>11.04.25</td></tr><tr><td>DESIGN REVIEW</td><td>Richard Bennett</td><td>11.04.25</td></tr><tr><td>APPROVED</td><td>Peter White</td><td>11.04.25</td></tr></table> <p>PROF REGISTRATION:</p>			SURVEYED	Patersons	08.24	DESIGNED	Gerhard Heyden	12.24	DRAWN	Gerhard Heyden	12.24	CAD REVIEW	Brent James	11.04.25	DESIGN CHECK	Peter Thomson	11.04.25	DESIGN REVIEW	Richard Bennett	11.04.25	APPROVED	Peter White	11.04.25	<div>Client</div> <div></div>		<p>HOMESTEAD BAY SUBDIVISION, QUEENSTOWN MASTER PLANNING</p> <p>UTILITIES - WATER WATER RISING AND FALLING MAINS LAYOUT</p>		<p>NOT FOR CONSTRUCTION</p> <p>FOR CONSENT</p> <p>Date Stamp: 11.04.2025</p> <p>Scales: 1:3000</p> <p>Drawing No. 310104425-00-000-C0401</p> <p>Rev. 0</p>	
0	ISSUED FOR CONSENT	GH	BJ	PSW	11.04.25																																														
REV		DRN	CHK	APP	DATE																																														
SURVEYED	Patersons	08.24																																																	
DESIGNED	Gerhard Heyden	12.24																																																	
DRAWN	Gerhard Heyden	12.24																																																	
CAD REVIEW	Brent James	11.04.25																																																	
DESIGN CHECK	Peter Thomson	11.04.25																																																	
DESIGN REVIEW	Richard Bennett	11.04.25																																																	
APPROVED	Peter White	11.04.25																																																	

COPYRIGHT © THESE DRAWINGS SHALL ONLY BE USED FOR THE PURPOSE FOR WHICH THEY WERE SUPPLIED. ANY RE-USE IS PROHIBITED AND NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR DISTRIBUTED WITHOUT THE WRITTEN PERMISSION OF STANTEC.

C:\AUTODESK\ACCORD\CS\STANTEC CONSULTING\310101105_HOMESTEAD_BAY\PROJECT FILES\01_WTP_CIDRAWINGS\310104425-00-000-C0401.DWG

ORIGINAL SIZE **A1**

						SURVEYED	Patersons	08.24
						DESIGNED	Gerhard Heyden	12.24
						DRAWN	Gerhard Heyden	12.24
						CAD REVIEW	Brent James	11.04.25
						DESIGN CHECK	Peter Thomson	11.04.25
						DESIGN REVIEW	Richard Bennett	11.04.25
						APPROVED	Peter White	11.04.25
0	ISSUED FOR CONSENT							
REV		GH DRN	BJ CHK	PSW APP	11.04.25 DATE	PROF REGISTRATION:		
	REVISIONS							



UTILITIES - WATER

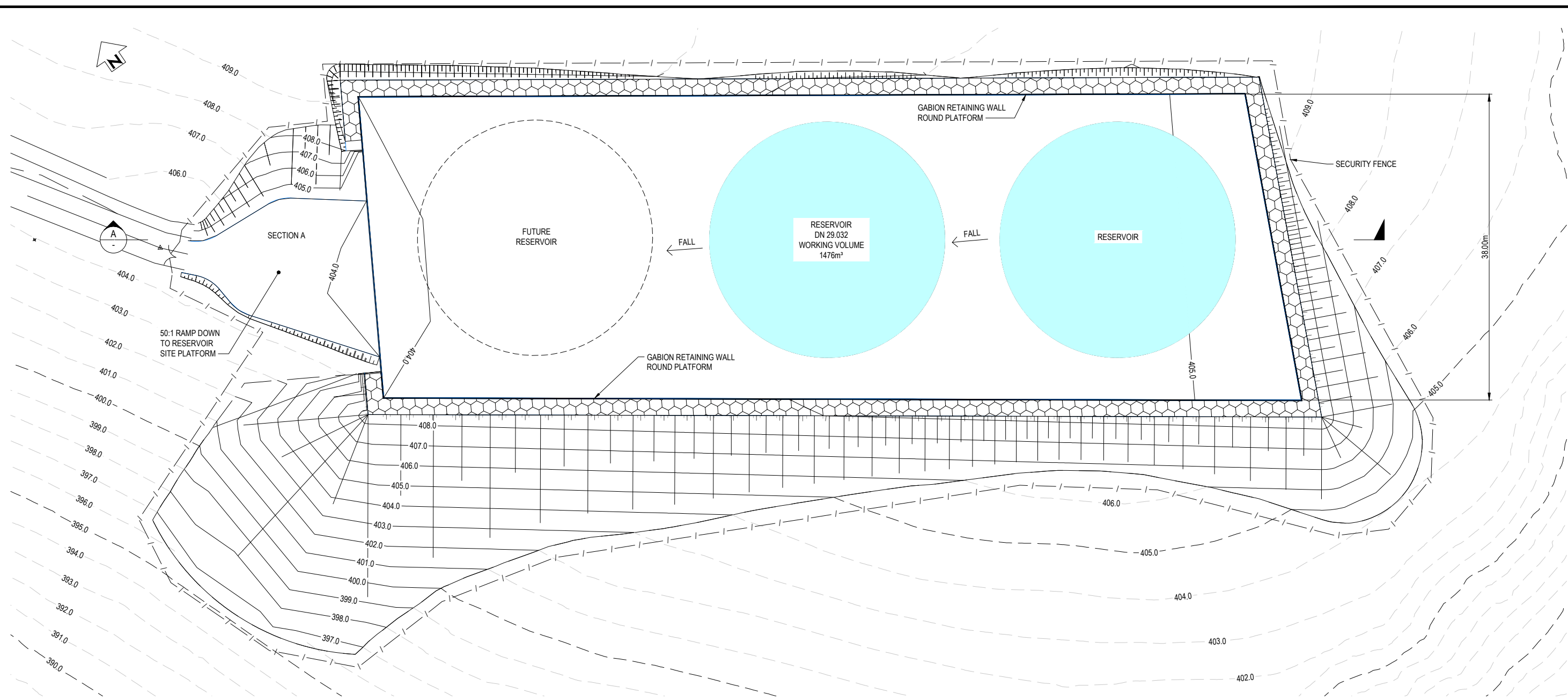
WATER - BORE LOCATIONS AND ACCESS

Status Stamp	FOR CONSENT	
Date Stamp	11.04.2025	
Scales	1:1000	
Drawing No.	310104425-00-000-C0402	Rev. 0

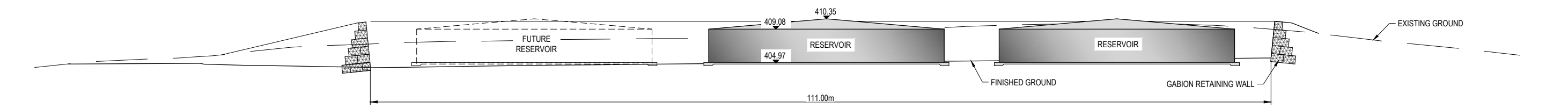
DO NOT SCALE - IF IN DOUBT, ASK

ORIGINAL SIZE A1

PLOTTED: 10/04/2025 12:29:56 pm



PLAN LAYOUT
SCALE 1 : 250



SECTION A
SCALE 1 : 250



NOT FOR CONSTRUCTION

REV	ISSUED FOR CONSENT	REVISIONS	BJ DRN	PAT CHK	PSW APP	11.04.25 DATE
0	ISSUED FOR CONSENT					

SURVEYED	Patersons	08.24
DESIGNED	Richard Bennett	11.24
DRAWN	Brent James	11.24
CAD REVIEW	Peter Thomson	11.04.25
DESIGN CHECK	Peter Thomson	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



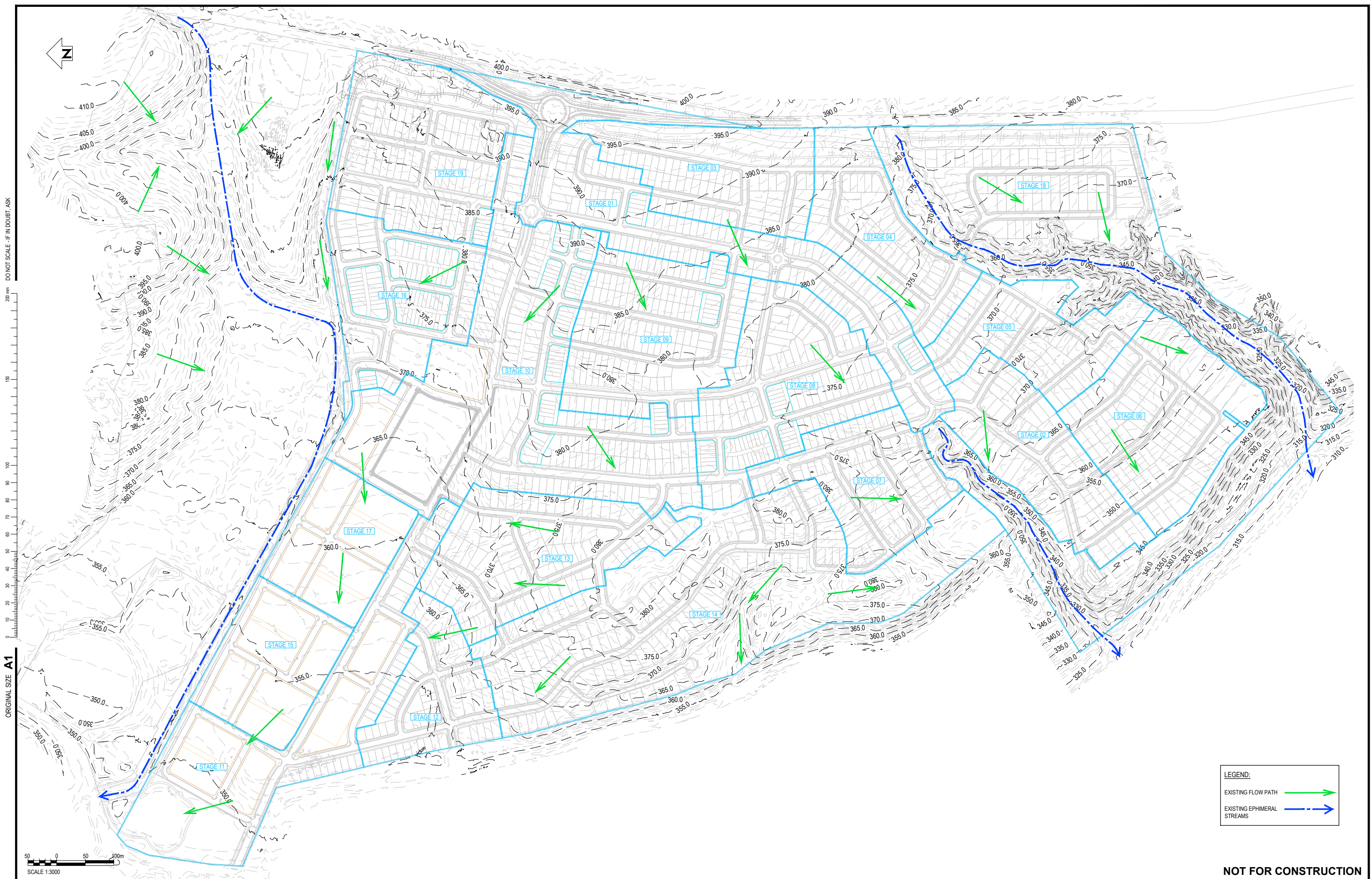
HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

UTILITIES - WATER
TREATED WATER RESERVOIRS - LAYOUT AND SECTION


Status Stamp	FOR CONSENT
Date Stamp	11.04.2025
Scales	1:250
Drawing No.	310104425-00-000-C0403
Rev.	0




C:\AUTODESK\CDAC\CDCCS\STANTEC CONSULTING\310101105_HOMESTEAD_BAY\PROJECT FILES\01_WPI_CD\DRAWING\3101010425-00-000-C0405.DWG



LEGEND:

EXISTING FLOW PATH 

EXISTING EPHEMERAL STREAMS 

NOT FOR CONSTRUCTION

0	ISSUED FOR CONSENT	BG	PAT	PSW	11.04.25
REV		DRN	CHK	APP	DATE
REVISIONS					

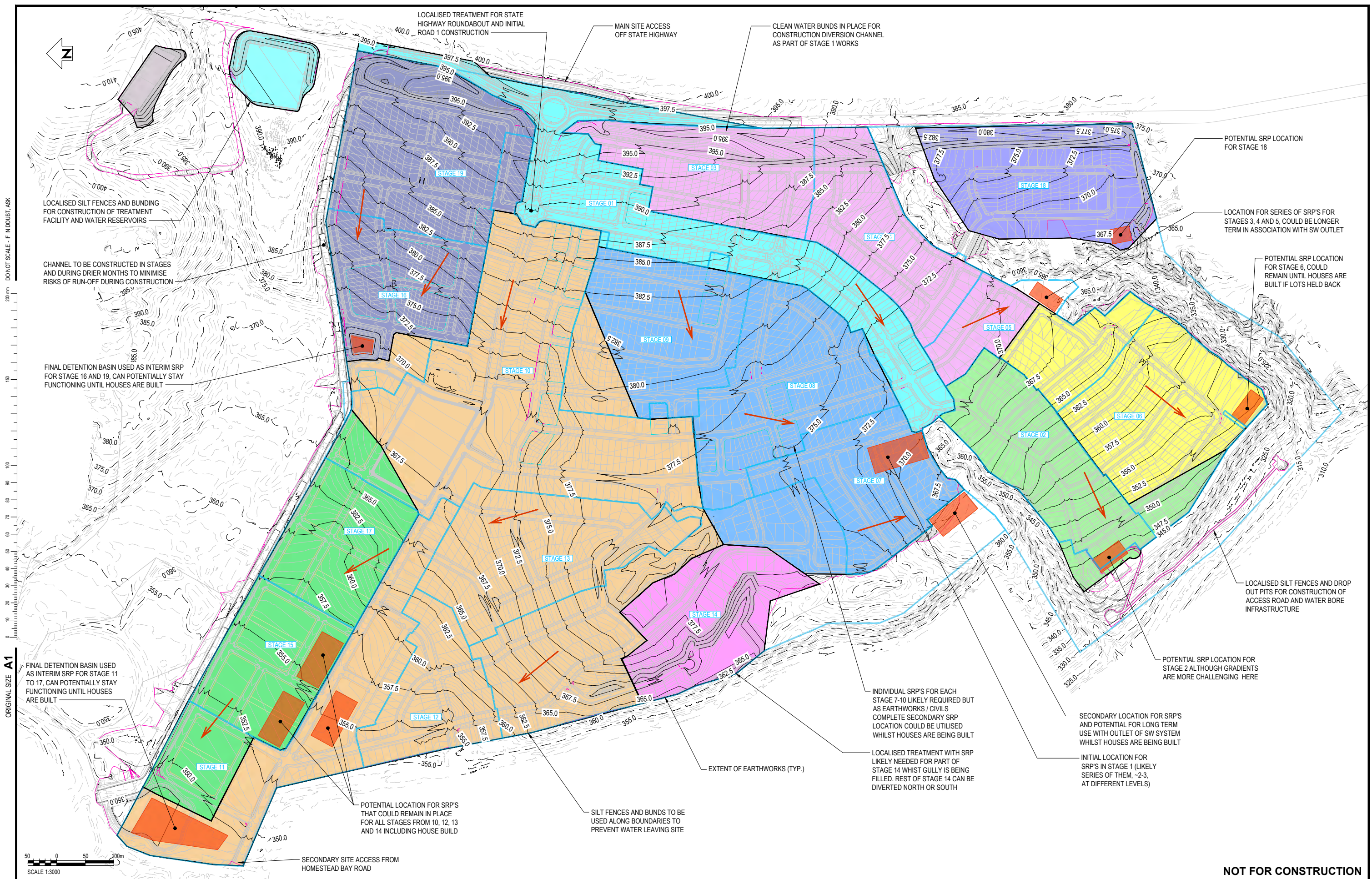
SURVEYED	Patersons	08.24
DESIGNED	Iain Banks	02.25
DRAWN	Brent Grey	02.25
CAD REVIEW	Peter Thomson	11.04.25
DESIGN CHECK	Peter Thomson	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

DRAFT EROSION AND SEDIMENT CONTROL PLAN
LAYOUT PLAN - ORIGINAL GROUND CONTOURS

Status Stamp	FOR CONSENT	
Date Stamp	11.04.2025	
Scales	1:3000	
Drawing No.	310104425-00-000-D2010	Rev. 0



ORIGINAL SIZE A1

50 0 50 100m
SCALE 1:3000

REV				REVISIONS			
0	ISSUED FOR CONSENT	BG	PAT	PSW	11.04.25	DATE	
		DRN	CHK	APP			

SURVEYED	Patersons	08.24
DESIGNED	Iain Banks	02.25
DRAWN	Brent Grey	02.25
CAD REVIEW	Peter Thomson	11.04.25
DESIGN CHECK	Peter Thomson	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		



HOMESTEAD BAY SUBDIVISION, QUEENSTOWN
MASTER PLANNING

DRAFT EROSION AND SEDIMENT CONTROL PLAN
MASTERPLAN LAYOUT ON FINISHED GROUND CONTOURS

NOT FOR CONSTRUCTION	
Status Stamp	FOR CONSENT
Date Stamp	11.04.2025
Scales	1:3000
Drawing No.	310104425-00-000-D2011
Rev.	0

DO NOT SCALE - IF IN DOUBT, ASK

200 mm
150
100
90
80
70
60
50
40
30
20
10
0

ORIGINAL SIZE A1

PL07120 - 10/04/2025 12:25:06 pm

WIDTH OF TOP EMBANKMENT SHOULD BE WIDE ENOUGH TO ENSURE MACHINERY ACCESS FOR DE-SLUDGING OF POND, IF THERE ARE NO OTHER ACCESS POINTS AVAILABLE

SPILLWAY COMPACTED AND SMOOTHED TO ELIMINATE ALL VOIDS PRIOR TO LAYING AND PINNING APPROPRIATE GEOTEXTILE/CONCRETE

EXISTING GROUND LEVEL

DP8 SW MANHOLE

ANTI-SEEP COLLARS AT 10m SPACINGS

DN300 PIPE

POND OUTLET DETAIL

SCALE 1 : 50

TEE BAR CONCRETE MH RISER, MAY REQUIRE WEIGHTING OR ANCHORING TO PREVENT FLOATING.

LOWEST INLET PIPE TO RISER IS ANGLED UPWARD AT 15° TO EASE TENSION ON FLEXIBLE JOINT.

DECANT.

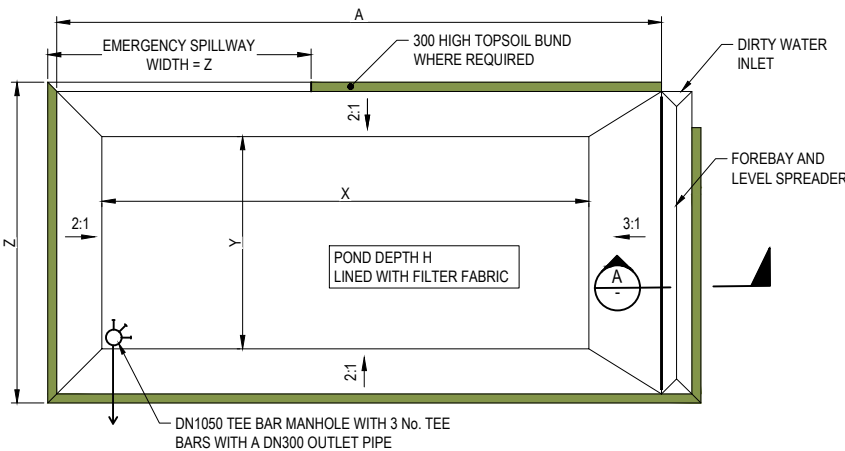
WARATAH STAKES REQUIRED FOR ALL DECANTS.

UPPER DECANT OPERATES OVER 1/3 OF LIVE STORAGE ONLY

MIDDLE DECANT OPERATES OVER 2/3 OF LIVE STORAGE ONLY

LOWER DECANT EXTENT OF TRAVEL IS OVER 100% OF THE LIVE STORAGE DEPTH - VARIABLE UP TO 1600mm

DEAD STORAGE = 30% POND VOLUME



POND - TYPICAL PLAN

SCALE 1 : 250

150x50 H4 TIMBER LEVEL SPREADER WITH CONCRETE BASE WRAPPED WITH FILTER FABRIC. TIMBER TO BE 100mm ABOVE SPILLWAY LEVEL.

FILTER FABRIC

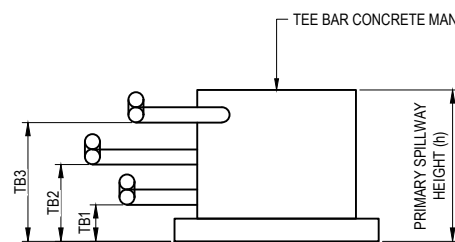
3 : 1 SLOPE ON INLET TO POND

EMERGENCY SPILLWAY LEVEL

300 MIN. HIGH TOPSOIL BUND WHERE REQUIRED

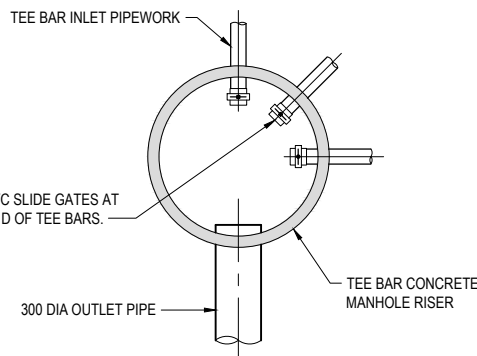
SECTION A

SCALE 1 : 25



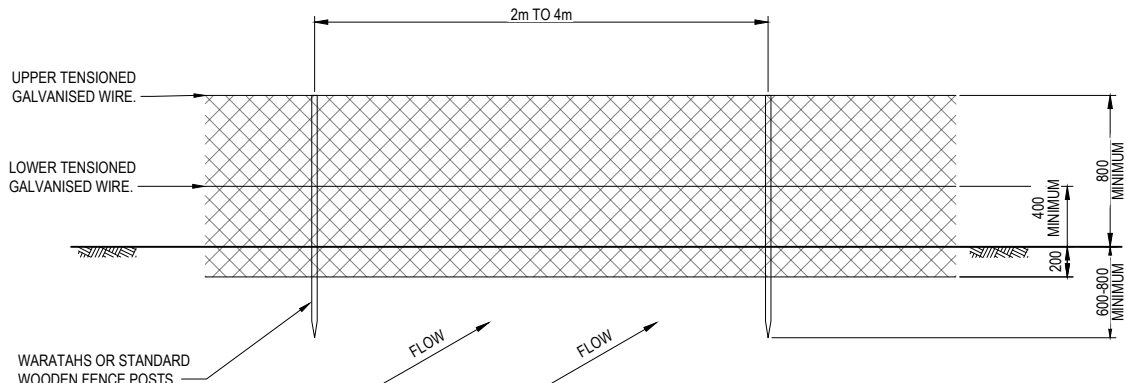
POND TEE BAR HEIGHTS

SCALE 1 : 25



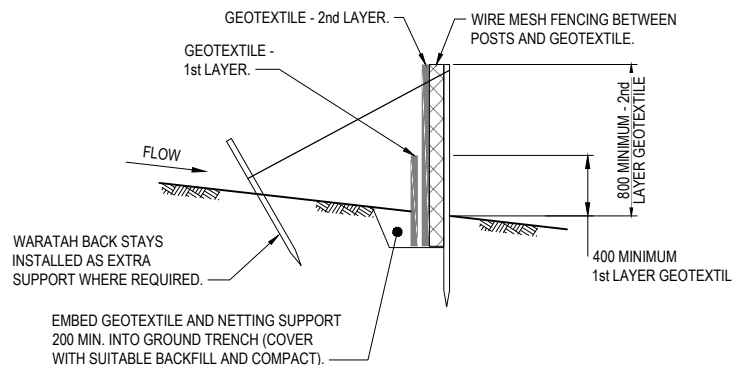
TEE BAR MANHOLE - PLAN

SCALE 1 : 25



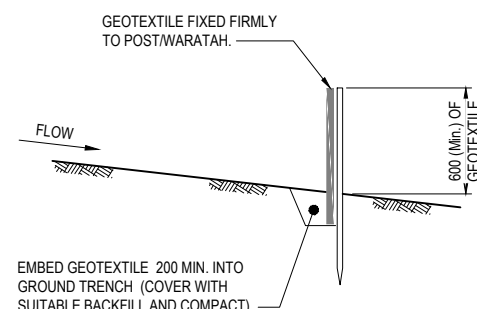
SUPER SILT FENCE - ELEVATION

SCALE 1 : 25



SUPER SILT FENCE - SECTION

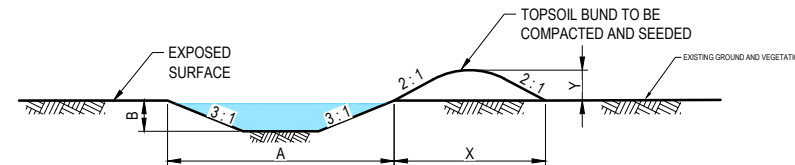
SCALE 1 : 25



STANDARD SILT FENCE - SECTION

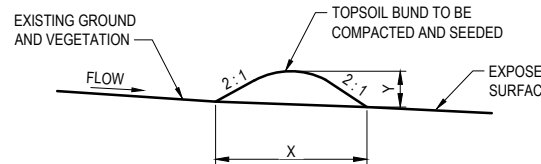
SCALE 1 : 25

NOTES:
1. REFER TO THE EMP REPORT FOR ALL LETTERED DIMENSIONS SHOWN ON THIS SHEET.



DIRTY WATER CHANNEL

SCALE 1 : 50



CLEAN WATER / PERIMETER BUND

SCALE 1 : 50



NOT FOR CONSTRUCTION

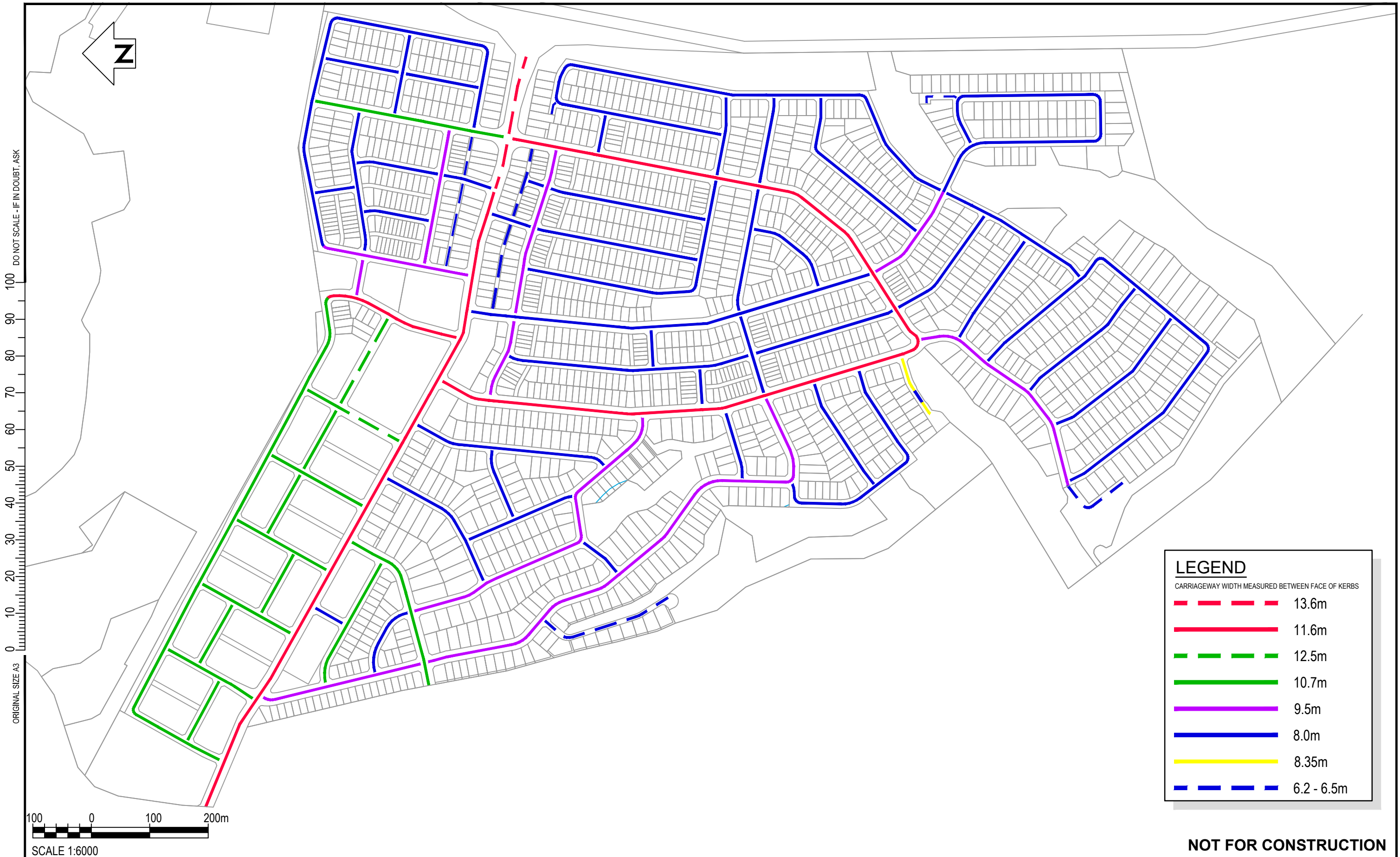
REV	ISSUED FOR CONSENT	BG	PAT	PSW	11.04.25
DRN	CHK	APP	DATE		
0					

SURVEYED	Patersons	08.24
DESIGNED	Patrick Leslie	02.25
DRAWN	Brent Grey	03.25
CAD REVIEW	Peter Thomson	11.04.25
DESIGN CHECK	Iain Banks	11.04.25
DESIGN REVIEW	Peter White	11.04.25
APPROVED	Peter White	11.04.25
PROF REGISTRATION:		





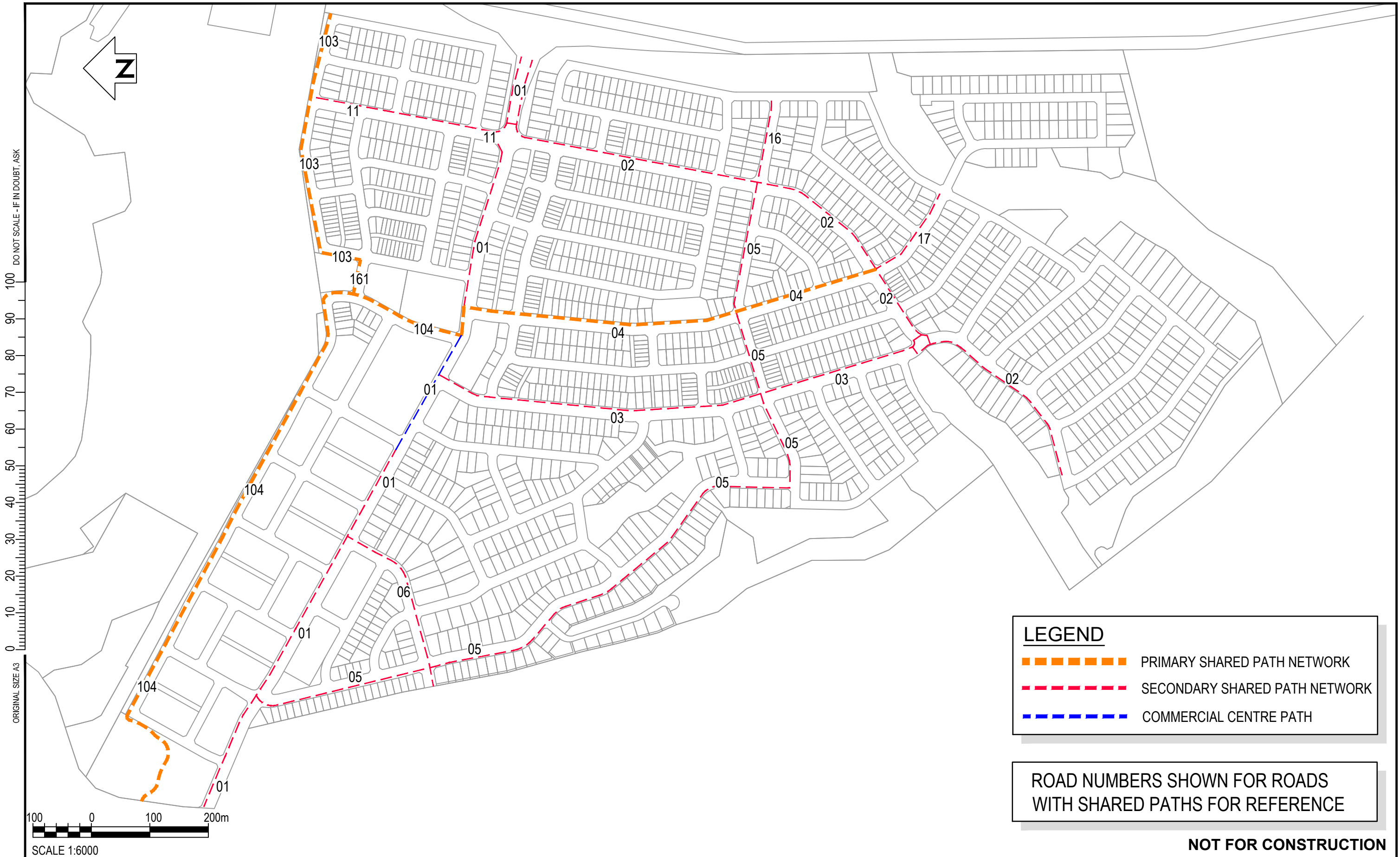
HOMESTEAD BAY SUBDIVISION, QUEENSTOWN MASTER PLANNING
DRAFT EROSION AND SEDIMENT CONTROL PLAN TYPICAL CONSTRUCTION DETAILS

Status Stamp	FOR CONSENT
Date Stamp	11.04.2025
Scales	AS SHOWN
Drawing No.	310104425-00-000-D2012
Rev.	0



NOT FOR CONSTRUCTION

<div></div> <div><div>DRAWNManinder Singh02.25</div><div>APPROVEDAndrew Metherell11.04.25</div></div>			HOMESTEAD BAY SUBDIVISION, QUEENSTOWN MASTER PLANNING		Status Stamp FOR CONSENT	
			<div></div> <div>ROAD CARRIAGEWAY HIERARCHY</div>		Date Stamp 11.04.2025	
					Scales 1:6000	
					FIGURE No. FIG.R001	Rev. 0





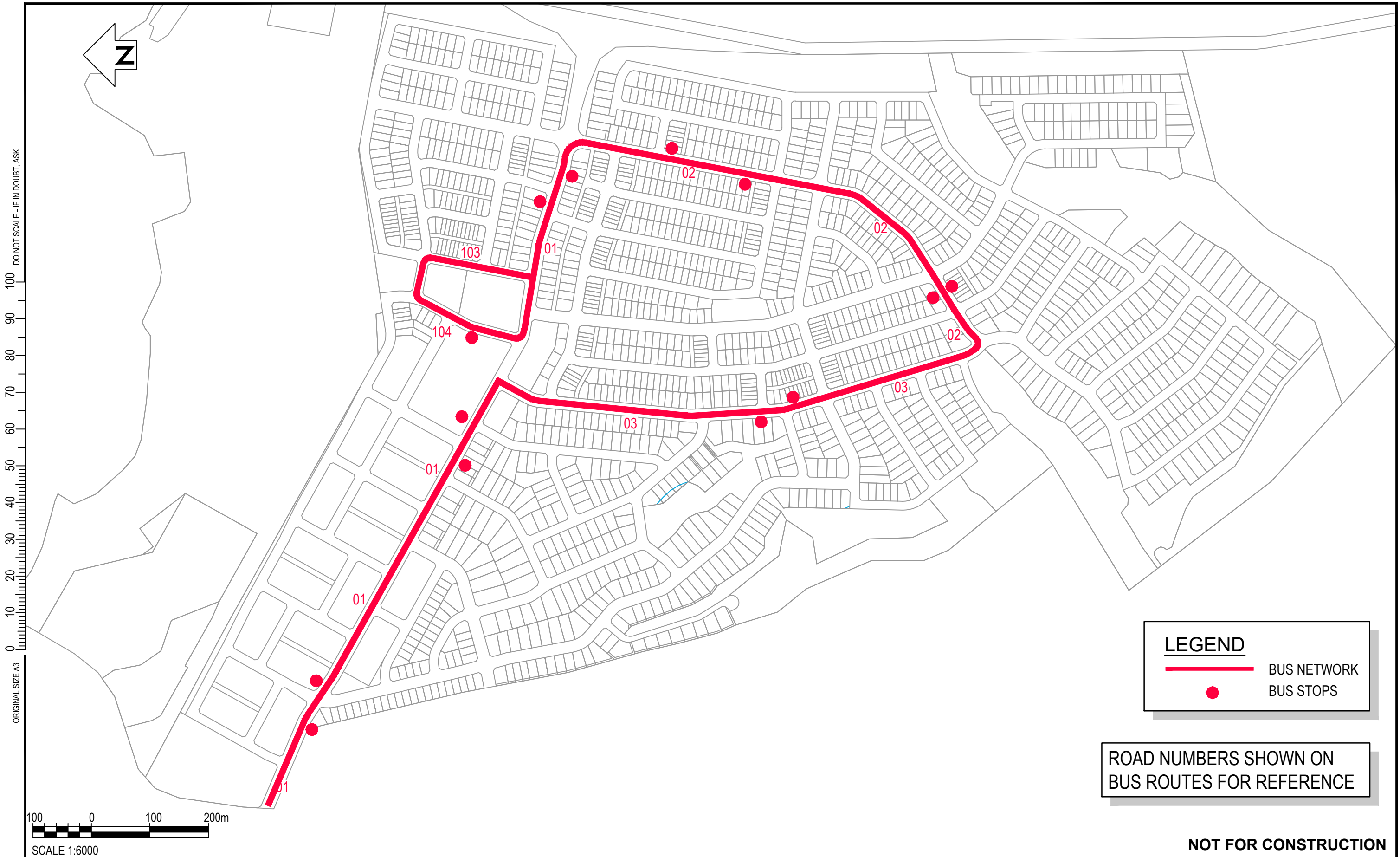
LEGEND

- PRIMARY SHARED PATH NETWORK
- SECONDARY SHARED PATH NETWORK
- COMMERCIAL CENTRE PATH



ROAD NUMBERS SHOWN FOR ROADS WITH SHARED PATHS FOR REFERENCE

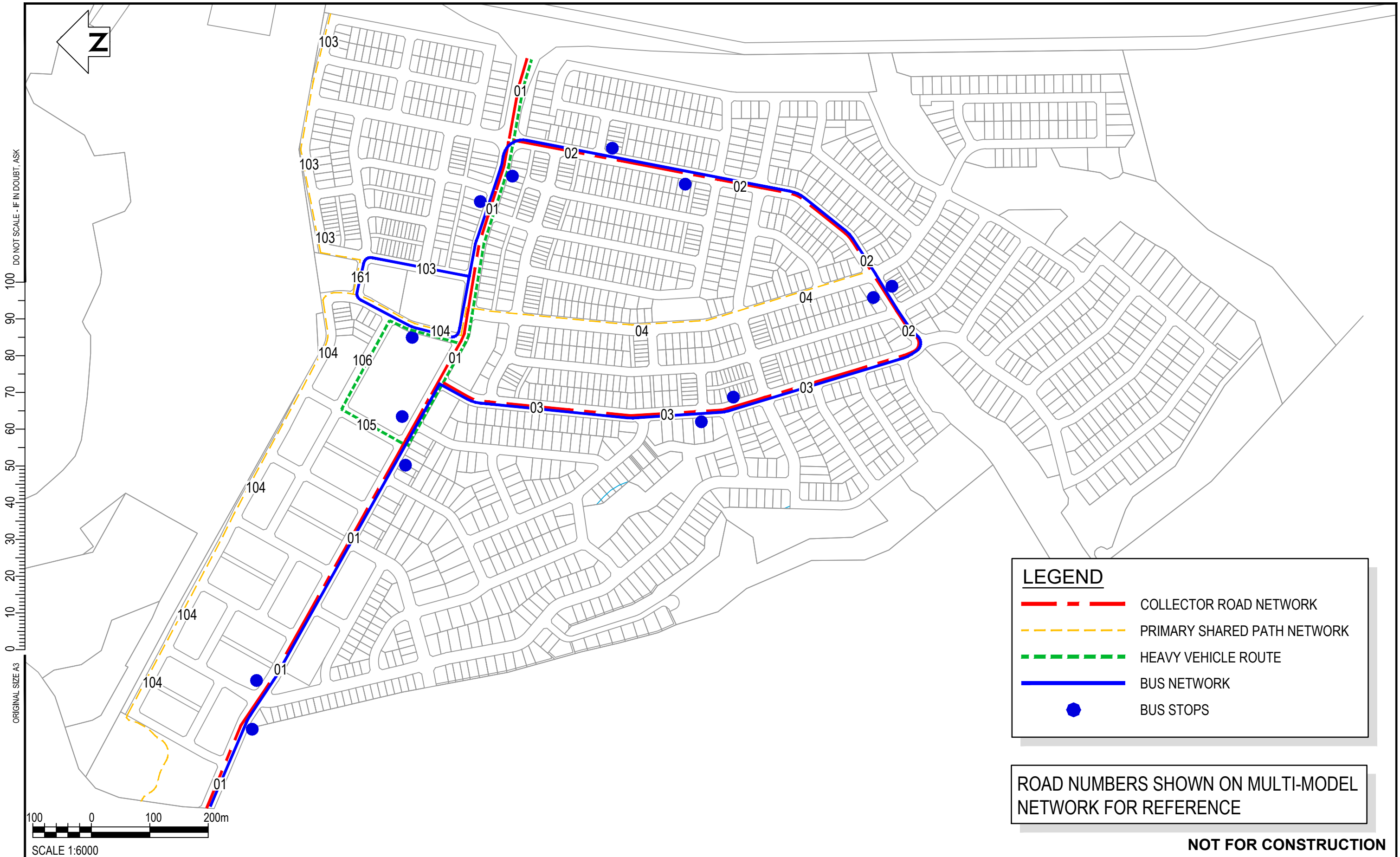
NOT FOR CONSTRUCTION

<div></div>			<div></div>	HOMESTEAD BAY SUBDIVISION, QUEENSTOWN MASTER PLANNING		Status Stamp FOR CONSENT	
DRAWN Maninder Singh 02.25		SHARED PATHS NETWORK		Date Stamp 11.04.2025			
APPROVED Andrew Metherell 11.04.25				Scales 1:6000		FIGURE No. FIG.R002	
						Rev. 0	



NOT FOR CONSTRUCTION

<div></div>			<div></div>	HOMESTEAD BAY SUBDIVISION, QUEENSTOWN MASTER PLANNING		<div>Status Stamp</div> <div>FOR CONSENT</div>	
DRAWN		Maninder Singh		02.25	Date Stamp		11.04.2025
APPROVED		Andrew Metherell	11.04.25	BUS ROUTES AND STOPS		Scales 1:6000	
						FIGURE No.	Rev.
						FIG.R003	0





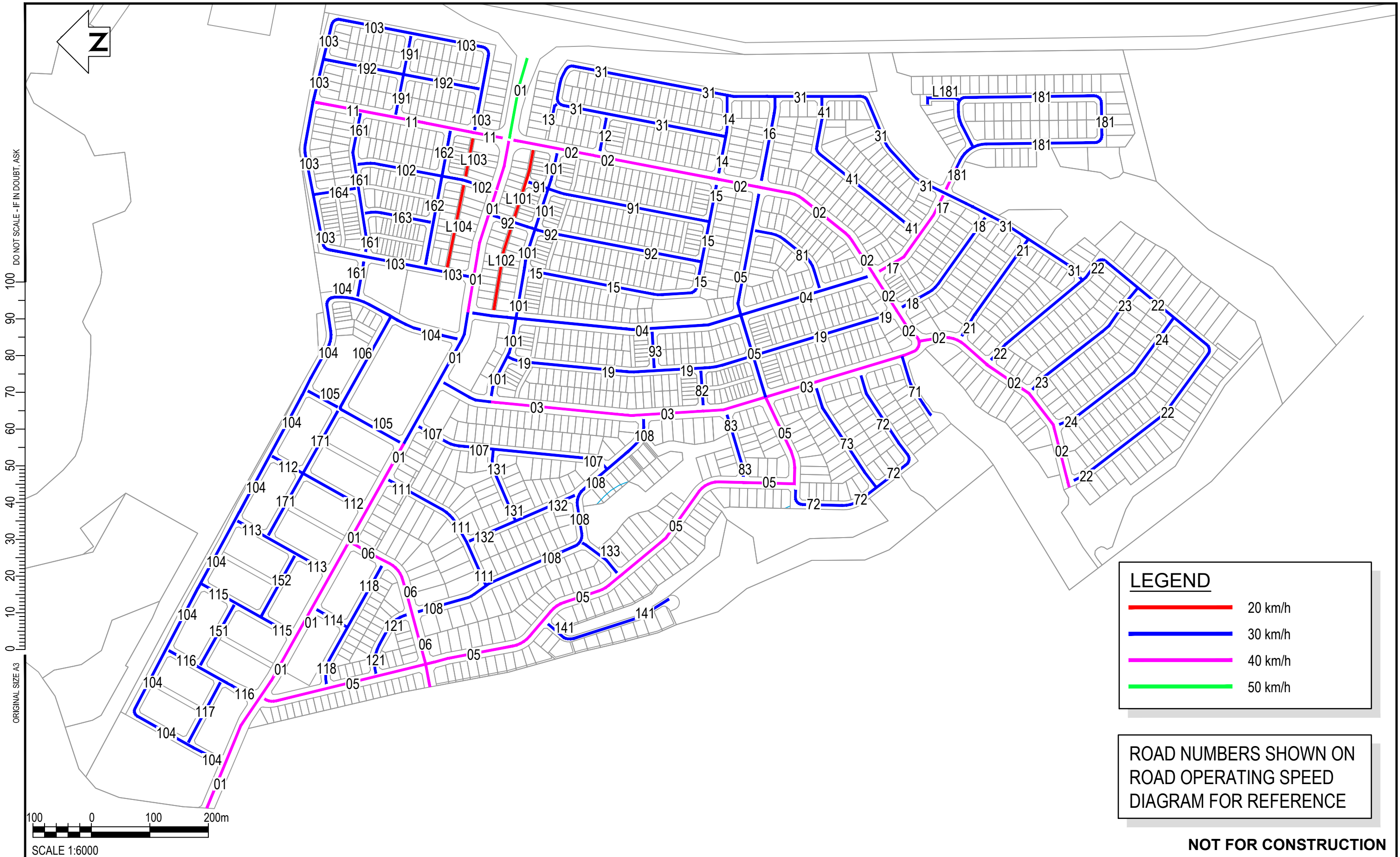
LEGEND

- COLLECTOR ROAD NETWORK
- PRIMARY SHARED PATH NETWORK
- HEAVY VEHICLE ROUTE
- BUS NETWORK
- BUS STOPS

ROAD NUMBERS SHOWN ON MULTI-MODEL NETWORK FOR REFERENCE

NOT FOR CONSTRUCTION

<div></div> <div><div>DRAWNManinder Singh02.25</div><div>APPROVEDAndrew Metherell11.04.25</div></div>			<div></div> <div>HOMESTEAD BAY SUBDIVISION, QUEENSTOWN MASTER PLANNING</div> <div>MULTI MODAL NETWORK</div>		<div>Status Stamp</div> <div>FOR CONSENT</div>	
					<div>Date Stamp</div> <div>11.04.2025</div>	
			Scales		AS SHOWN	
			FIGURE No.		Rev.	
			FIG.R004		0	





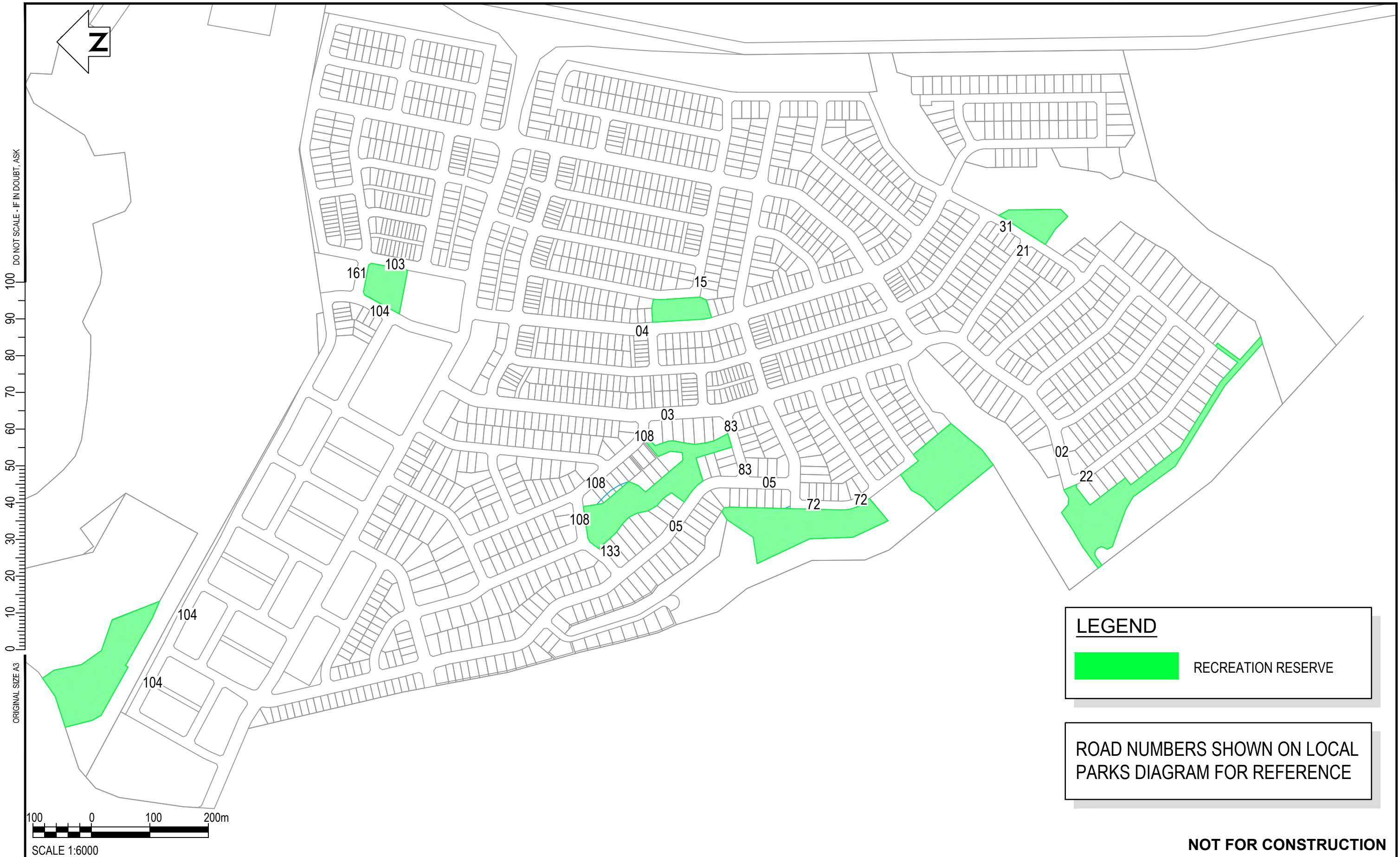
LEGEND



	20 km/h
	30 km/h
	40 km/h
	50 km/h

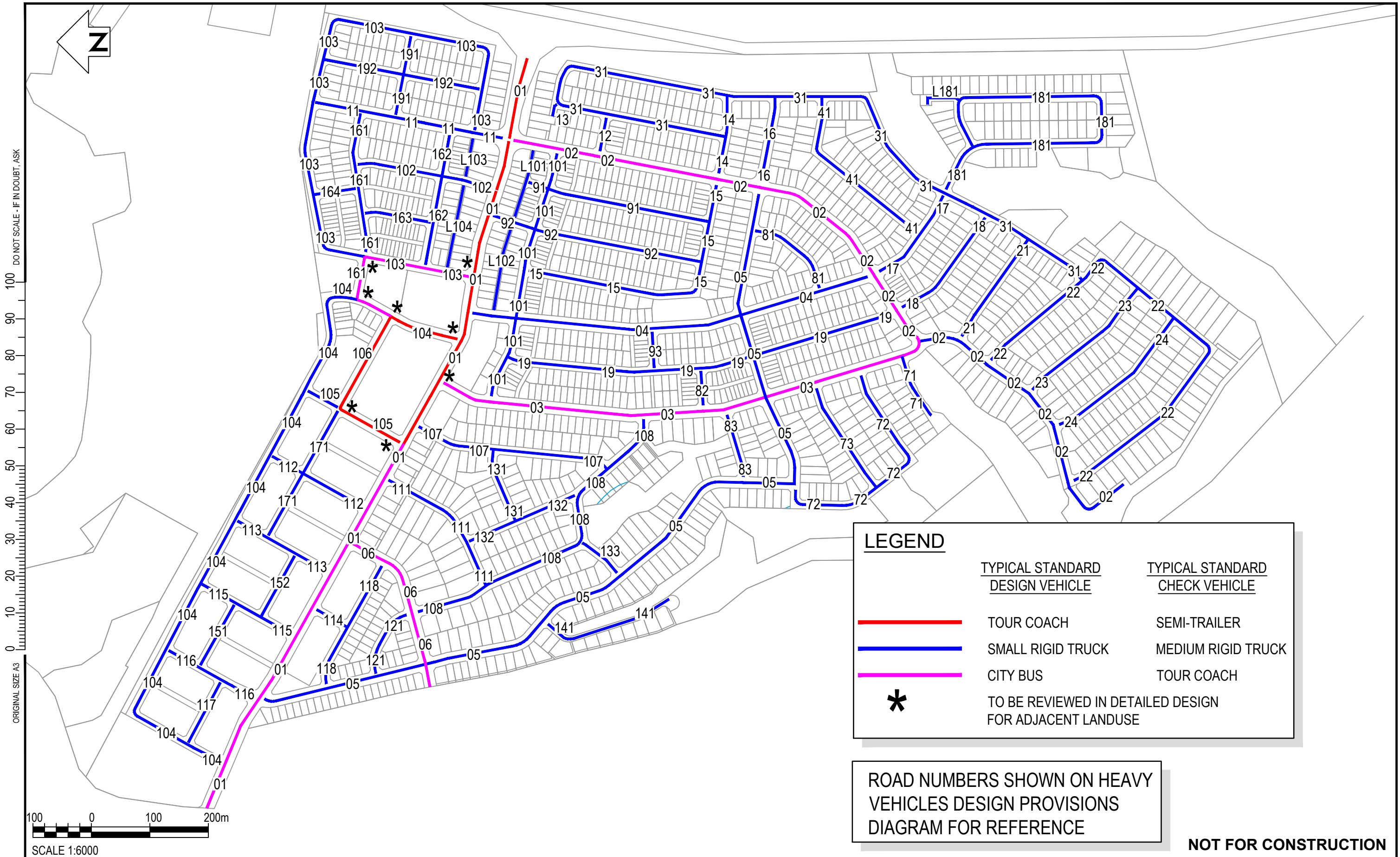
ROAD NUMBERS SHOWN ON
ROAD OPERATING SPEED
DIAGRAM FOR REFERENCE



NOT FOR CONSTRUCTION

<div></div> <div><table><tr><td>DRAWN</td><td>Maninder Singh</td><td>02.25</td></tr><tr><td>APPROVED</td><td>Andrew Metherell</td><td>11.04.25</td></tr></table></div>			DRAWN	Maninder Singh	02.25	APPROVED	Andrew Metherell	11.04.25	<div></div>	HOMESTEAD BAY SUBDIVISION, QUEENSTOWN MASTER PLANNING		<div>Status Stamp</div> <div>FOR CONSENT</div>
			DRAWN	Maninder Singh	02.25							
APPROVED	Andrew Metherell	11.04.25										
ROAD OPERATING SPEEDS		<div>Date Stamp</div> <div>11.04.2025</div>										
				<div>Scales AS SHOWN</div>								
				<div>FIGURE No.</div> <div>FIG.R005</div>	<div>Rev.</div> <div>0</div>							



					HOMESTEAD BAY SUBDIVISION, QUEENSTOWN MASTER PLANNING LOCAL PARKS		NOT FOR CONSTRUCTION	
							Status Stamp	FOR CONSENT
							Date Stamp	11.04.2025
							Scales	AS SHOWN
							FIGURE No.	FIG.R006
							Rev.	0



<div></div>			<div></div>		HOMESTEAD BAY SUBDIVISION, QUEENSTOWN MASTER PLANNING		Status Stamp FOR CONSENT	
					HEAVY VEHICLE DESIGN PROVISIONS		Date Stamp 11.04.2025	
							Scales AS SHOWN	
<div><div>DRAWN</div><div>Maninder Singh</div><div>02.25</div></div> <div><div>APPROVED</div><div>Andrew Metherell</div><div>11.04.25</div></div>							FIGURE No. FIG.R007	
							Rev. 0	



Stantec is a global leader in sustainable engineering, architecture, and environmental consulting. The diverse perspectives of our partners and interested parties drive us to think beyond what's previously been done on critical issues like climate change, digital transformation, and future-proofing our cities and infrastructure. We innovate at the intersection of community, creativity, and client relationships to advance communities everywhere, so that together we can redefine what's possible.

Stantec New Zealand

Level 10, Otago House, 477 Moray Place
Dunedin 9016
NEW ZEALAND
Mail to: PO Box 13052, Christchurch 8140
Stantec.com

