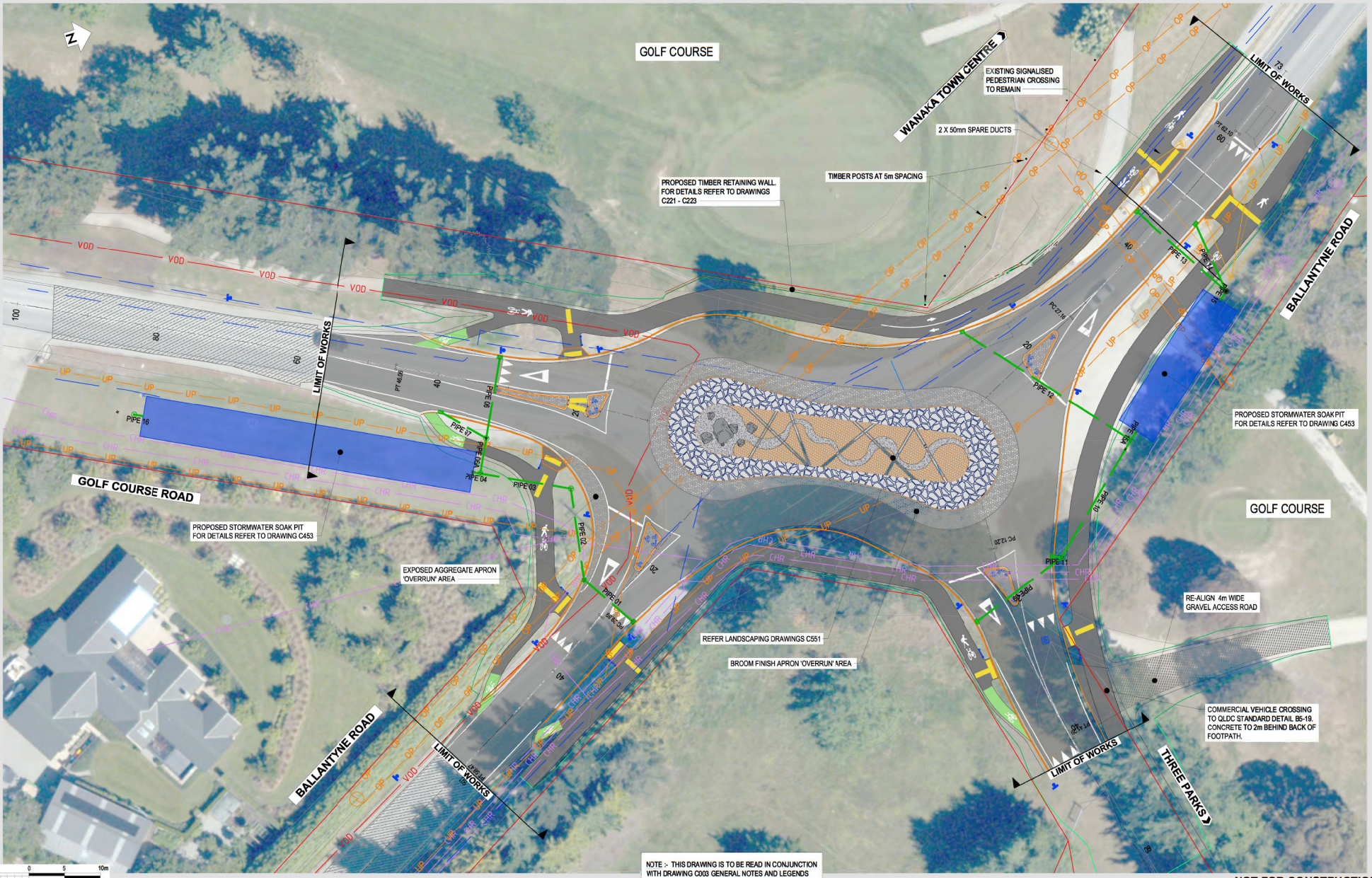

DO NOT SCALE - IF IN DOUBT, ASK

ORIGINAL SIZE A1

NOT FOR CONSTRUCTION

REV	REVISIONS	CTM DRN	AS CHK	SL APP	DATE
0	FOR TENDER				08.07.26

SURVEYED	NZTM-NZVD 2016	
DESIGNED	M.NEL	06.26
DRAWN	Phillip J Cook	07.24
CAD REVIEW	Siu Puletuatoa	08.07.26
DESIGN CHECK	Adam Sampara	08.07.26
DESIGN REVIEW	Iain Banks	08.07.26
APPROVED	Susan Lilley	08.07.26
PROF REGISTRATION:		

Stantec

Client: QUEENSTOWN LAKES DISTRICT COUNCIL

LCLR MINOR WORKS
GOLF COURSE - BALLANTYNE INTERSECTION

GENERAL LAYOUT PLAN

Status Stamp: FOR TENDER
Date Stamp: 08.07.26
Scales: 1:250 @ A1 (1:500 @ A3)
Drawing No.: 310204743-02-1005-C201
Rev.: 0

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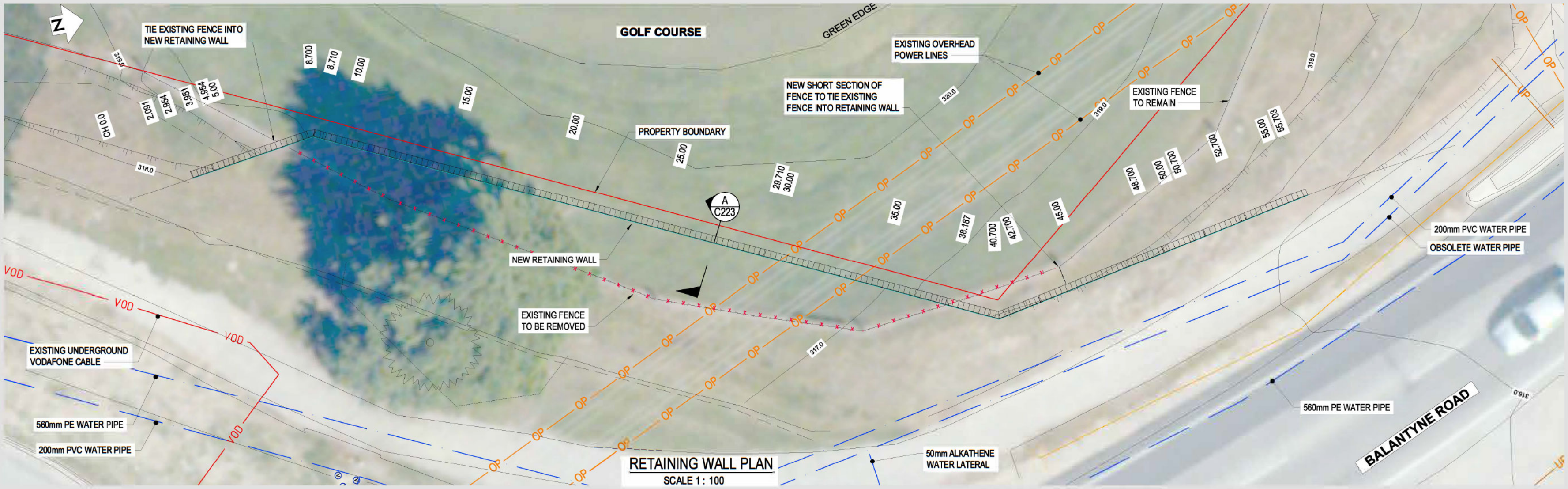
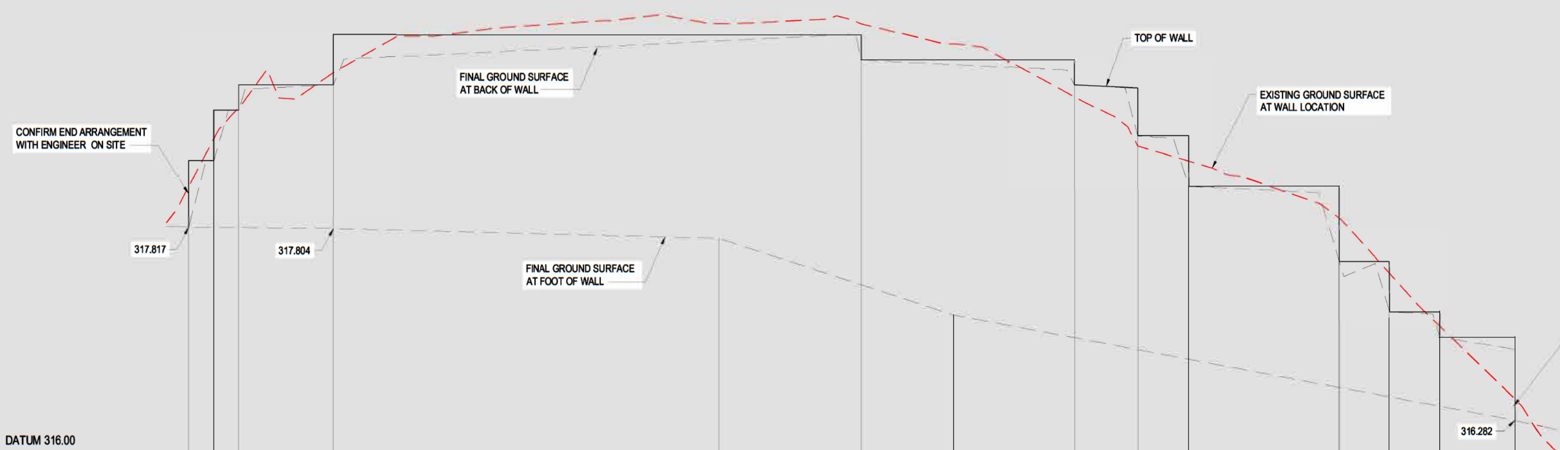


RETAINING WALL PLAN

SCALE 1 : 100



DATUM 316.00

HORIZONTAL ALIGNMENT	L = 8.700					L = 32.000						L = 16.614			
CUT / FILL	317.851					0.120				-0.268					
DESIGN SURFACE LEVELS	0.000	317.814	318.741	318.941	319.341	317.728	319.141	317.118	319.141	318.541	318.541	318.141	317.541	317.143	316.941
EXISTING SURFACE LEVELS	317.851	318.134	318.511	318.761	319.038		319.428		318.846	318.458	318.340	317.886	317.447	317.029	316.449
CHAINAGE	2.091	2.954	3.951	4.954	8.710	24.032	29.710	33.370	38.187	40.700	42.700	48.700	50.700	52.700	55.703

RETAINING WALL LONGITUDINAL SECTION

SCALE 1:100 HORZ: 1:20 VERT

SCALE 1:100 — 2 0 5m

SCALE 1:20 — 500 0 500mm 1m

NOT FOR CONSTRUCTION

REV	REVISIONS	DRN	CHK	APP	DATE
0	FOR TENDER	CTM	AS	SL	08.07.26

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PROF REGISTRATION:		

Stantec

Client: QUEENSTOWN LAKES DISTRICT COUNCIL

LCLR MINOR WORKS
GOLF COURSE - BALLANTYNE INTERSECTION
RETAINING WALL PLAN AND LONGITUDINAL SECTION

Status Stamp: FOR TENDER
Date Stamp: 08.07.26
Scales: AS SHOWN
Drawing No. 310204743-02-1005-C221
Rev. 0

ORIGINAL SIZE A1

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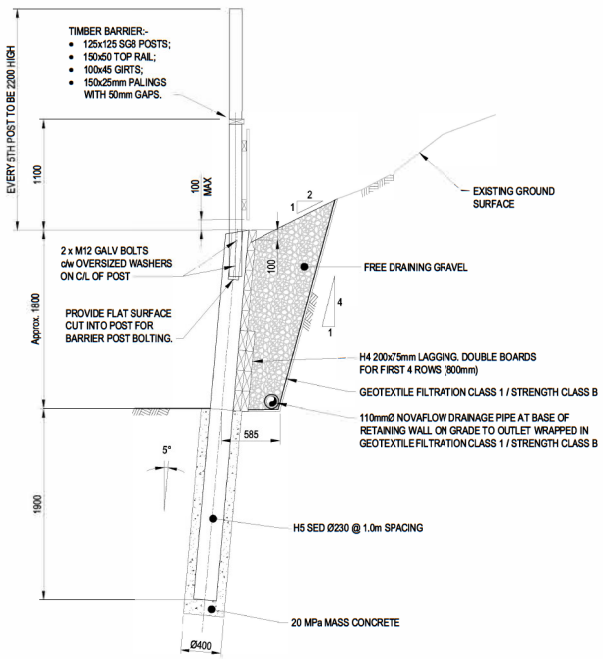
NOTES:

1. ENGINEER TO VERIFY SETOUT PRIOR TO CONSTRUCTION.
2. ALL SETOUT DIMENSIONS SHALL BE CONFIRMED ON SITE BY THE CONTRACTOR BEFORE COMMENCEMENT OF WORK. NO DIMENSIONS SHALL BE OBTAINED BY SCALING THE DRAWING. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SPECIFIED OTHERWISE.
3. DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED.
4. ALL CONSTRUCTION MATERIALS TO BE SUPPLIED BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED.
5. SUBSTITUTION OR AMENDMENT OF DETAILS SHALL NOT BE CARRIED OUT WITHOUT THE APPROVAL OF THE ENGINEER.
6. CONSTRUCTION SEQUENCE SHALL BE SUBMITTED BY THE CONTRACTOR FOR THE ENGINEERS APPROVAL.
7. THE STABILITY OF ALL TEMPORARY OPEN CUTS IS THE CONTRACTORS RESPONSIBILITY. SLOPE PROTECTION SHALL BE PROVIDED BY THE CONTRACTOR AS NECESSARY TO PREVENT SLIDING OR EROSION OF OPEN CUT SLOPES.
8. THE AUGERED PILE HOLES MUST REMAIN OPEN AND STABLE DURING CONSTRUCTION, TEMPORARY CASING MAY BE REQUIRED.
9. PILES SHALL BE INSTALLED AS SOON AS POSSIBLE AFTER EXCAVATION. EXCAVATION FOR THE PILES SHALL BE FREE FROM WATER AND LOOSE MATERIAL BEFORE CONCRETING. IF NECESSARY CONTRACTOR SHALL ALLOW FOR CLEANING, CASING AND PUMPING OF EXCAVATION.
10. TRAFFIC MANAGEMENT TO BE PROVIDED BY THE CONTRACTOR.
11. LAGGING TO BE RADIATA PINE TREATED TO H4 IN ACCORDANCE WITH NZMP 3640 : 1992 GRADE SG8.
12. CONTRACTOR TO REINSTATE ANY REMOVED OR DAMAGED ROAD PAVEMENT, SURFACING AND KERB AND CHANNEL. REINSTATED ROAD PAVEMENT SURFACING AND KERB AND CHANNEL TO MATCH EXISTING.
13. CONSTRUCTION SHALL BE MONITORED BY A QUALIFIED ENGINEER APPOINTED BY COUNCIL.
14. CONCRETE FOR AUGER HOLE SHALL BE ORDINARY GRADE CONCRETE COMPLYING WITH NZS3109 "SPECIFICATION FOR CONCRETE" AND WITH A MINIMUM 28 DAY STRENGTH OF 20MPa.
15. CONCRETE SHALL BE WELL COMPACTED BY VIBRATING. POLES SHALL BE TEMPORARILY PROPPED FOR AT LEAST THREE DAYS AFTER CONCRETING.
16. THE POLE DIMENSIONS SPECIFIED ARE MINIMUM SMALL END DIAMETER. POLE S.E.D. IS TO BE AT THE TOP OF THE RETAINING WALL.
17. TIMBER POLES SHALL BE PEELED RADIATA PINE LOGS COMPLYING WITH NZS 3605 "LOAD BEARING ROUND TIMBER PILES AND POLES".
18. POLES TO BE TREATED TO H5 AND MUST BE HIGH DENSITY TIMBER.
19. JOINTS IN LAGGINGS TO BE STAGGERED AND ONLY AT POLES.
20. BACKFILL TO BE FREE DRAINING, SELF COMPACTING GRAVELS.
21. CONTRACTOR TO INSTALL 110mmØ NOVAFLOW PIPE (MINIMUM GRADE 1:100) AT THE BASE OF THE RETAINING WALL AND DAYLIGHT AT EXIT POINT.
22. PRIOR TO CARRYING OUT ANY EXCAVATION OR OTHER PHYSICAL WORK, CONTRACTORS SHALL OBTAIN THE LATEST INFORMATION FROM UTILITY PROVIDERS AND CARRY OUT EXPLORATORY WORK, TRACING, LOCATING, PROTECTION, ISOLATION AND ALTERATIONS AS ARE REQUIRED UNDER NZS 3910 CLAUSE 5.13.
23. REINSTATE EXISTING CHANNEL BED MATERIALS (TOP GRAVEL ARMOUR LAYER ONLY) INTO ROCK VOIDS.
24. THE TOPS OF EACH POLE SHALL BE SLOPED 10° TO THE HORIZONTAL TO ALLOW WATER RUN OFF AND TO IMPROVE AESTHETIC APPEARANCE. THE TOPS OF THE POLES ARE TO BE EPOXY CAPPED AFTER CUTTING AND TREATMENT WITH ENSELE (OR EQUIVALENT). THE EPOXY CAPPING IS TO BE AS PER CARBOLINE SPECIFICATION FOR TIMBER POST CAPPING (CARBOLINE SPECIFICATION TG-2017-13219), OR AN EQUIVALENT EPOXY CAPPING SYSTEM AS APPROVED BY THE ENGINEER. CARE SHALL BE TAKEN NOT TO PUNCTURE THE EPOXY CAPPING DURING CONSTRUCTION. ANY SUBSEQUENT DAMAGE, OR FIXINGS ADDED, WILL REQUIRE THE EPOXY CAP TO BE REAPPLIED.



SECTION A
SCALE 1 : 25 C221

RETAINING WALL TYPICAL SECTION

TYPICAL DETAIL TO BE READ IN CONJUNCTION WITH DRAWINGS:

- 310204743-02-1005-C221 RETAINING WALL PLAN AND LONGITUDINAL SECTION;
- 310204743-02-1005-C222 RETAINING WALL CROSS SECTIONS.

500 0 500mm 1m
SCALE 1:25

NOT FOR CONSTRUCTION

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Client: QUEENSTOWN LAKES DISTRICT COUNCIL

LCLR MINOR WORKS
GOLF COURSE - BALLANTYNE INTERSECTION

RETAINING WALL TYPICAL SECTION

Status Stamp: FOR TENDER
Date Stamp: 08.07.26
Scales: 1 : 25
Drawing No.: 310204743-02-1005-C223
Rev: 0

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