



QUEENSTOWN
LAKES DISTRICT
COUNCIL

**QUEENSTOWN LAKES DISTRICT COUNCIL
WAKATIPU ACTIVE TRAVEL
WATN STAGE 2 ROUTES - ROUTE B2**

**CIVIL
FOR TENDER**

Project No: 6-XQ141.00
Date: 2021-10-22

UTILITIES AND SERVICES WITHIN ROAD RESERVE

PUBLIC UTILITIES AND PRIVATE SERVICES

THE CONTRACTOR'S ATTENTION IS DRAWN TO CLAUSE 5.13 OF NZS 3910:2013.

IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO UNDERTAKE THE INITIAL LIAISON WITH UTILITY AUTHORITIES TO DETERMINE THE PRESENCE OF SERVICES.

THE CONTRACTOR SHALL DETERMINE THE PRESENCE OF SERVICES AT SUCH A TIME SO THAT CRITICAL PATH ITEMS IN THE PROGRAMME ARE NOT AFFECTED SHOULD THE LOCATED SERVICES NEED TO BE RELOCATED, OR TWO WEEKS IN ADVANCE OF WORKS COMMENCING WHERE THEY MAY BE AFFECTED BY SERVICES.

CHORUS HAS UNDERGROUND FIBRE OPTIC CABLES AND AURORA/DELTA HAS UNDERGROUND AND OVERHEAD HIGH VOLTAGE CABLES AND LIGHTING CABLES IN THE VICINITY OF THE SITE.

ROCKGAS HAS UNDERGROUND PIPED INFRASTRUCTURE IN THE VICINITY OF THE SITE.

LINZ MAY HAVE SURVEY MARKS WITHIN ROAD RESERVE IN THE VICINITY OF THE SITE. CARE SHOULD BE TAKEN TO PROTECT ALL SURVEY MARKS DURING CONSTRUCTION.

THE UNDERGROUND POWER SUPPLIES ARE HIGH VOLTAGE AND IT IS THE CONTRACTORS RESPONSIBILITY TO BE AWARE OF THE REGULATIONS AND REQUIREMENTS FOR WORKING IN THE PROXIMITY OF THIS POTENTIAL HAZARD AND FOR NOTIFYING WORKSAFE NZ.

IN ADDITION, ANY EXISTING PRIVATE SERVICES, SUCH AS DRAINAGE, DOMESTIC WATER SUPPLIES, ELECTRICAL SUPPLY AND CHORUS CONNECTIONS, MUST BE MAINTAINED IN FULL WORKING ORDER THROUGHOUT THE DURATION OF THE WORKS. QLDC CAN PROVIDE INFORMATION ON THE EXISTING COUNCIL SERVICES.

THE CONTRACTOR MUST MAKE ALLOWANCE FOR ANY INCONVENIENCE IN CARRYING OUT THE CONSTRUCTION WITHOUT CAUSING DAMAGE OR DISRUPTION TO VARIOUS SERVICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPAIR FOR ANY DAMAGE THAT OCCURS DURING CONSTRUCTION.

THE CONTRACTOR MUST PERMIT THE ENTRY OF NETWORK UTILITY OPERATOR WORKPERSON WHO MAY BE REQUIRED TO CARRY OUT REPAIRS OR OTHER WORK ON THE SERVICES.

ALL SERVICES AND UTILITY COVERS AND FRAMES ARE TO BE RAISED / RELOCATED IN ACCORDANCE WITH QUEENSTOWN LAKES DISTRICT COUNCIL (QLDC) LAND DEVELOPMENT AND SUBDIVISION CODE OF PRACTICE & APPENDIX B STANDARD CONSTRUCTION DRAWINGS.

ALL SERVICE AND UTILITY COVERS ARE TO BE SET FLUSH WITH THE FINISHED FOOTPATH / ROAD SURFACE, IF THERE IS A LIP GREATER THAN 5mm IN THE FOOTPATH THE CONTRACTOR MUST REMOVE AND RESET COVER & FRAME FLUSH WITH THE SURROUNDING FOOTPATH SURFACE.

SIGNAGE AND PAVEMENT MARKINGS:

ALL SIGNS AND PAVEMENT MARKINGS SHOWN ARE TO BE IN ACCORDANCE WITH WAKA KOTAHU NZ TRANSPORT AGENCY'S TRAFFIC CONTROL DEVICES (TCD) MANUAL, MANUAL OF TRAFFIC SIGNS AND MARKINGS: PART 1 - TRAFFIC SIGNS (2011) AND PART 2 - MARKINGS (2011).

CONTRACTOR TO CONFIRM THE LOCATION OF ALL SERVICES ON SITE PRIOR TO COMMENCEMENT OF EXCAVATION FOR PLACEMENT OF SIGN POLE EMBEDMENT FOUNDATION.

ALL KERBS ON TRAFFIC ISLANDS TO BE PAINTED WITH WHITE REFLECTORISED MARKINGS TO MEET STANDARD SPECIFIED IN WAKA KOTAHU NZTA P30 DOCUMENT.

RAISED PAVEMENT MARKERS NOT SHOWN, REFER TO TCD AND MOTSAM FOR LOCATIONS AND REQUIREMENTS.

ALL PAVEMENT MARKING DIMENSIONS ARE TO BE CONFIRMED ON SITE BEFORE MARKING COMMENCES.

LOCATION OF ALL SIGNS ARE TO BE CONFIRMED ON SITE BY THE ENGINEER.

STORMWATER DRAINAGE

MANHOLE / SUMP INSTALLATION

CONTRACTOR SHALL INSTALL PRECAST MANHOLE / SUMP UNITS AT THE LOCATIONS SHOWN ON THE CONSTRUCTION DRAWINGS OR AS DETERMINED ON SITE BY THE ENGINEER. THE CONTRACTOR SHALL VERIFY THE REQUIRED HEIGHT OF THE DRAINAGE STRUCTURE UNITS ON SITE.

THE RISER UNIT SHALL BE PLACED ON CONCRETE POURED IN-SITU TO FORM FOOTING FOR THE BASE OF THE UNITS. THE CONCRETE FOOTINGS SHALL BE KEPT TO A MINIMUM AS SHOWN ON THE CONSTRUCTION DRAWINGS.

ALL IN SITU CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 20MPA @ 28 DAYS.

ALL PRECAST MANHOLE UNITS (SHOWN SHADED IN DRAWING B1-6) TO BE STANDARD MANUFACTURED UNITS. (IE. HUMES OR SIMILAR APPROVED)

ALL BRANCHES SHALL BE CONSTRUCTED SUCH THAT THEY CAN BE READILY ACCESSED BY CCTV CAMERA. THE CORBALS DETAIL (IE. CROSS SECTION) SHALL NOT BE COMPROMISED. IF REQUIRED, THE "STRAIGHT THROUGH" CHANNEL SHALL BE OFFSET FROM THE MANHOLE CENTRELINE AND THE BRANCH CHANNELLING LEFT STRAIGHT FOR A SUFFICIENT LENGTH TO ACHIEVE THE DESIRED RESULT.

ACCESS OPENING TO BE LOCATED OVER THE DOWNSTREAM SIDE OF THE MANHOLE.

IF A DEVIATION IS SOUGHT FROM THE REQUIREMENTS IN THE DETAIL ABOVE, JUSTIFIABLE CALCULATIONS MUST BE GIVEN AND BE TO COUNCIL'S SATISFACTION.

PIPE DEFLECTION GREATER THAN >75° SHALL REQUIRE SPECIFIC DESIGN FOR MANHOLE RISERS FOR ANY DIAMETER OF PIPE GREATER THAN 375mm.

ALL SUMPS SHOULD BE 1800mm DEPTH AND WITH A MINIMUM SEDIMENT STORAGE DEPTH OF 450mm IS TO BE PROVIDED (TO INVERT OF PIPE). QLDC ROADING ENGINEER TO APPROVE ANY CHANGES TO THE SUMP DEPTH SPECIFIED.

ROAD SUMPS TO BE PLACED AT 90m (MAX.) INTERVALS. DOUBLE SUMPS TO BE INSTALLED IN PLACE OF SINGLE SUMPS, UNDER VERTICAL CURVES IN ROADS AND ON ALL ROADS WITH VERTICAL GRADIENTS EXCEEDING 10%. SPECIFIC DESIGN REQUIRED WHERE GRADIENT EXCEEDS 12%.

WHERE GRADIENTS EXCEED 10%, CHANNEL TRANSITION INTO DOUBLE MUDTANK TO BE 800MM AND CHANNEL TO BE FORMED DIRECTLY INTO BACK ENTRY.

REDUCED COVER WHERE THE LEADS LEAVE THE MUD SUMP IS ACCEPTABLE. THIS SHOULD NOT REDUCE BELOW A MINIMUM OF 600MM COVER TO PIPE. THE LENGTH OF PIPE WITH REDUCED COVER SHOULD BE MINIMISED AND AVOID EXTENDING INTO THE WHEEL TRACKS AS FAR AS POSSIBLE.

THE CONTRACTOR MAY PROVIDE A SIMILAR ALTERNATIVE SUBJECT TO APPROVAL BY THE ENGINEER.

STORMWATER PVC-U PIPES

THE SUPPLY AND INSTALLATION OF PVC-U STORMWATER PIPES SHALL BE CARRIED OUT IN ACCORDANCE WITH AS/NZS 3500.3:2003 AND AS/NZS 1254:2010 AND CENTRAL OTAGO DISTRICT COUNCIL'S ADDENDUM NZS 4404:2004 AND AS SHOWN ON THE DRAWINGS.

EXTENT AND LOCATION OF STORMWATER SUMPS, PIPES AND SOAKPITS TO BE CONFIRMED ON SITE WITH QLDC ROADING ENGINEER.

GENERAL NOTES:

REFER TO QUEENSTOWN LAKES DISTRICT COUNCIL (QLDC) LAND DEVELOPMENT AND SUBDIVISION CODE OF PRACTICE & APPENDIX B STANDARD CONSTRUCTION DRAWINGS AND ALSO WSP SHEETS C270 AND C271.

COVER IN TRAFFICABLE CARRIAGEWAYS AND OTHER TRAFFICABLE AREAS SHALL BE NO LESS THAN 1m. COVER OUTSIDE OF THE CARRIAGEWAY, CROSSINGS OR OTHER NON-TRAFFICABLE AREAS SHALL BE NO LESS THAN 0.6m.

IN-SITU REINFORCED CONCRETE WORKS

IN-SITU CONCRETE ROADS, RAMPS AND DRIVEWAYS ARE TO BE CONSTRUCTED AS DETAILED ON THE CONSTRUCTION DRAWINGS.

CONCRETE STRENGTH TO BE OF THE MINIMUM AS SHOWN ON THE CONSTRUCTION DRAWINGS.

ALL CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH NZS 3109:1997.

FORMATION OF SUBGRADE LEVEL

THE COMPLETED FORMATION TO SUBGRADE LEVEL FOR FOOTPATHS, DRIVEWAYS ETC. SHALL BE WELL COMPACTED AND FIRM, FREE FROM ANY WEAK SPOTS AND LOOSE MATERIAL.

GRANULAR BEDDING

GRANULAR BEDDING AS SHOWN ON THE DRAWINGS SHALL BE PLACED ON THE APPROVED SUBGRADE AND COMPACTED TO THE SPECIFIED DEPTH AS SHOWN ON THE CONSTRUCTION DRAWINGS.

WORKMANSHIP

ALL CONCRETE SHALL BE CAST IN FORMWORK UNLESS SPECIFICALLY APPROVED OTHERWISE BY THE ENGINEER.

THE CONTRACTOR SHALL PROVIDE AND / OR BUILD-IN, AS WORK PROCEEDS, ALL DUCTS, BRACKETS, BOLTS, FIXINGS, ETC. AS DETAILED AND AS REQUIRED.

ANY PENETRATIONS (CHASES OR HOLES) REQUIRED FOR SERVICES OR FOR ANY OTHER REASON SHALL BE FORMED TO THE SPECIFIED SIZE (+/-10mm) UNLESS SPECIFIC APPROVAL IS OBTAINED FROM THE ENGINEER.

FORMWORK

ALL FORMWORK SHALL BE CLEAN, FREE OF DEBRIS, STRAIGHT AND TO THE FULL DEPTH OF THE SURFACE TO BE FORMED.

TIMBER FORMWORK SHALL BE WETTED WITH CLEAN WATER IMMEDIATELY PRIOR TO PLACING THE CONCRETE UNLESS AN APPROVED FORM DRESSING IS USED. SURPLUS WATER SHALL BE REMOVED BEFORE THE CONCRETE IS PLACED.

FOR CURVES, FORMWORK SHALL BE INSTALLED TO FORM SMOOTH CURVES WHILST MAINTAINING THE SPECIFIED WIDTHS AND CONCRETE DEPTHS.

FORMWORK SHALL BE CONSTRUCTED AND MAINTAINED TO PRODUCE MORTAR TIGHT JOINTS AND SMOOTH EVEN FACES, FREE FROM WARPS, MISALIGNMENT AND BULGES. FORMWORK SHALL BE SUFFICIENTLY BRACED TO ENSURE NO DEFLECTION OCCURS DURING CONSTRUCTION.

IF DURING PLACING, UNDUCE SETTLEMENT, BULGING OR OTHER DEFECTS BECOME APPARENT IN THE FORMWORK, THE CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO REMEDY THE DEFECTS TO THE APPROVAL OF THE ENGINEER, OR REMOVE AND REPLACE THE DEFECTIVE CONSTRUCTION.

REINFORCEMENT

REINFORCEMENT SHALL BE SUPPORTED IN PLACE AT THE DEPTH SPECIFIED WITH CHAIRS, SPACERS, HANGERS OR BY OTHER SOUND PRACTICE.

ALL BAR REINFORCEMENT SHALL HAVE A MINIMUM COVER OF 75mm WHERE PLACED AGAINST THE GROUND, WHERE GROUND IS PROTECTED WITH A DPC, CLEARANCE CAN BE REDUCED TO 60mm. ALL OTHER CASES 50mm, UNLESS OTHERWISE SPECIFIED. MESH REINFORCING IS TO BE PLACED CENTRALLY.

ALL REINFORCEMENT SHALL BE WIRED TOGETHER TO ENSURE THE LOCATION OF THE REINFORCEMENT IS PLACED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND WILL NOT MOVE DURING PLACEMENT OF CONCRETE.

ENDS OF REINFORCEMENT BARS, WHICH ARE TEMPORARILY EXPOSED, SHALL BE 'CAPPED' TO PREVENT INJURY TO SITE PERSONNEL OR OTHERS.

THE CONTRACTOR SHALL PROVIDE WALKWAYS WHERE NECESSARY TO PREVENT DEFORMATION OR DISPLACEMENT OF REINFORCEMENT DUE TO CONSTRUCTION OPERATIONS IF ACCESS OVER THE PREPARED SURFACE AND REINFORCING IS REQUIRED.

CONCRETE PLACEMENT

THE CONTRACTOR SHALL ENSURE THAT ALL CONCRETE WORK IS ADEQUATELY SUPERVISED AND THAT AN ADEQUATE NUMBER OF WORKERS AND SUFFICIENT EQUIPMENT ARE EMPLOYED TO ENSURE THAT THE CONCRETE IS QUICKLY AND THOROUGHLY PLACED AND CONSOLIDATED, AND PROPERLY FILLS ALL VOIDS WITHOUT DISPLACING REINFORCING.

CONCRETE SHALL BE PLACED WITHIN 30 MINUTES OF DISCHARGE FROM THE TRUCK AGITATOR OR BEFORE INITIAL SET WHICHEVER IS SOONER. NO CONCRETE SHALL BE PLACED UNDER UNFAVOURABLE WEATHER CONDITIONS.

ALL CONCRETE SHALL BE FULLY COMPACTED WITH APPROPRIATE MECHANICAL VIBRATOR, SUPPLEMENTED WHERE NECESSARY BY HAND METHODS.

CONCRETE SHALL BE PLACED IN LAYERS NOT EXCEEDING 0.5 METRES (WHERE NECESSARY), WITH EACH LAYER BEING FULLY COMPACTED. FRESH CONCRETE SHALL NOT BE PLACED UPON A PRECEDING LAYER AFTER AN INTERVAL EXCEEDING 45 MINUTES.

CONSTRUCTION JOINTS

CONSTRUCTION JOINTS SHALL BE FORMED IN LOCATIONS AS INDICATED ON THE CONSTRUCTION DRAWINGS OR AS ADVISED BY THE ENGINEER TO MINIMISE THE EFFECTS OF SHRINKAGE. JOINTS SHALL COMPLY WITH NZS 3124.

ALL CONCRETE SLABS SHALL HAVE SHRINKAGE CONTROL JOINTS FORMED BY SAWCUTTING. THE CUTS SHALL BE TO A DEPTH OF ONE QUARTER OF

THE CONCRETE DEPTH THICKNESS AND TRUE TO LINE FOR THE FULL LENGTH OF THE CUT. SAWCUTS SHALL BE CARRIED OUT AS SOON AS POSSIBLE WITHOUT DAMAGING THE CONCRETE SURFACE AND NOT MORE THAN 48 HOURS AFTER THE CONCRETE IS POURED

WHERE REQUIRED BY COUNCIL STANDARDS, CONTROL JOINTS IN FOOTPATHS SHALL BE MADE WITH AN APPOINTED JOINTING TOOL IN LIEU OF SAWCUTTING.

IN GENERAL, CONSTRUCTION JOINTS SHALL BE AT 3 METRE CENTRES FOR FOOTPATHS, AND 4 METRE CENTRES FOR LARGE POURED AREAS UNLESS OTHERWISE SPECIFIED.

EXPANSION JOINTS (FREE END JOINTS) ALLOW FOR THERMAL EXPANSION OF LARGE EXPANSES OF CONCRETE PAVEMENT SHALL BE INSTALLED WHERE SHOWN ON THE DRAWINGS TO THE DESIGN DETAILS. EXPANSION JOINTS SHALL INCLUDE A COMPRESSIBLE COMPOUND. THE COMPRESSIBLE COMPOUND IN THE JOINT SHALL BE "SIKAFLEX" OR APPROVED EQUIVALENT APPLIED TO GAP WIDTHS RECOMMENDED BY THE MANUFACTURER.

FINISHING AND TOLERANCES SHALL COMPLY WITH NZS 3124.

INSPECTIONS

THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR INSPECTION OF THE WORKS FOLLOWING:

- SETTING OUT
- PREPARATION OF SUBGRADE
- FORMWORK AND REINFORCEMENT PLACEMENT
- COMPLETION OF CONCRETE AFTER FORMORK REMOVED AND GROUND REINSTATEMENT.
- INSPECTIONS BY THE APPROVING AUTHORITY IN ACCORDANCE WITH THE INSPECTION SCHEDULE IN ANY BUILDING CONSENT.
- THE CONTRACTOR SHALL ARRANGE ALL INSPECTIONS BY APPROVING AUTHORITIES RELATING TO BUILDING CONSENTS.

CONCRETE STRENGTHS AND SURFACE FINISHES

THE SURFACE FINISHES SHALL BE TO NZS 3114. FOR VARIOUS PARTS OF THE WORK THESE SHALL BE AS DESIGNATED BELOW.

(USE THE TABLE BELOW TO LIST WHAT TYPE OF CONCRETE IS BEING USED)

Surface Description	Concrete Strength	Notes
Kerbs & Footpaths	20-25 MPa	Refer Construction Drawings
Driveways	20 MPa	Refer Construction Drawings
Platforms and Ramps	40 MPa	Refer Construction Drawings

CURING

ALL SURFACES SHALL BE KEPT CONTINUOUSLY DAMP FOR SEVEN DAYS AFTER POURING OR PROVIDED WITH OTHER CURING METHODS SUBJECT TO THE APPROVAL OF THE ENGINEER

CURING AND PROTECTION SHALL COMPLY WITH NZS 3109:1997.

WHEN CONCRETING IN HOT WEATHER PROTECT THE CONCRETE FROM THE DIRECT RAYS OF THE SUN.

WET THE SUB-BASE AGGREGATE IMMEDIATELY PRIOR TO POURING THE CONCRETE.

KEEP CONCRETE SURFACES DAMP FOLLOWING THE POURING.

DO NOT COMMENCE CONCRETING WHEN HEAVY RAIN IS FALLING, FROST, OR WHERE THERE IS A THREAT THAT THE WEATHER MAY DETERIORATE.

REMOVAL OF FORMWORK

FORMWORK SHALL BE REMOVED WITHOUT DAMAGE TO THE CONCRETE AND NOT LESS THAN THE TIMES SET OUT IN NZS 3109 OR AS SPECIFIED.

COMPLETION

ON COMPLETION OF THE WORK, THE CONTRACTOR SHALL CLEAN DOWN ALL EXPOSED FINISHED WORK AND REMOVE ALL STAINS AND DISCOLORATIONS, REMEDY ANY DEFECTS AS DIRECTED BY THE ENGINEER, AND LEAVE FIT FOR USE OR FINISHING TREATMENTS.

ON COMPLETION OF THE WORK, THE CONTRACTOR SHALL ENSURE ALL SURFACES AFFECTED BY THE WORKS ARE REINSTATED TO PRE-CONSTRUCTION CONDITION (E.G. TOPSOILED AND GRASSED) UNLESS SPECIFIED OTHERWISE.

THE CONTRACTOR SHALL REMOVE ALL RUBBISH AND SPOIL FROM THE SITE ON COMPLETION OF THE WORKS, LEAVING THE SITE IN A CLEAN AND TIDY CONDITION.

300 mm
200
100
50
0 10 mm

REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR SAFETY AUDIT	S.S	2021-07-09
B	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-08-02
C	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S	2021-08-30
D	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



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SCALES			ORIGINAL SIZE
			A1
DRAWN	DESIGNED	APPROVED	
B MULHOLLAND	B MULHOLLAND	R.GILL	
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE	
S.FORBES	S.SHERLAW	2021-07-09	

FOR TENDER

PROJECT			
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - ROUTE B2			
TITLE			
GENERAL NOTES			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-XQ141.00	6-XQ141-WSP-01-B2-DR	C003	D

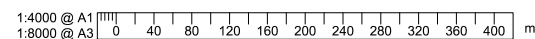
300 mm
200
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0 10 mm



OVERALL LAYOUT PLAN

SCALE 1:4000 (A1), 1:8000 (A3)

DRAWING INDEX	
SHEET NO	TITLE
C001	COVER SHEET
C003	GENERAL NOTES
C004	OVERALL LAYOUT PLAN AND INDEX SHEET
C200	PROPOSED LAYOUT - BROADVIEW RISE TO LORDENS PLACE
C201	PROPOSED LAYOUT - LORDENS PLACE TO RICHARDS PARK LANE
C202	PROPOSED LAYOUT - RICHARDS PARK LANE TO CAMERON PLACE
C203	PROPOSED LAYOUT - RICHARDS PARK LANE TO CAMERON PLACE
C204	PROPOSED LAYOUT - CAMERON PLACE
C205	PROPOSED LAYOUT - THOMPSON STREET
C206	PROPOSED LAYOUT - THOMPSON STREET
C207	PROPOSED LAYOUT - THOMPSON STREET
C208	PROPOSED LAYOUT - THOMPSON STREET- GLASGOW STREET
C209 - 212	PROPOSED NEW EoS LONGSECTIONS
C240 - 255	CROSS SECTIONS
C270 - 279	DRAINAGE AND CONSTRUCTION DETAILS
C401 - 409	EXISTING SITE LAYOUT WITH EXISTING AND PROPOSED SERVICES



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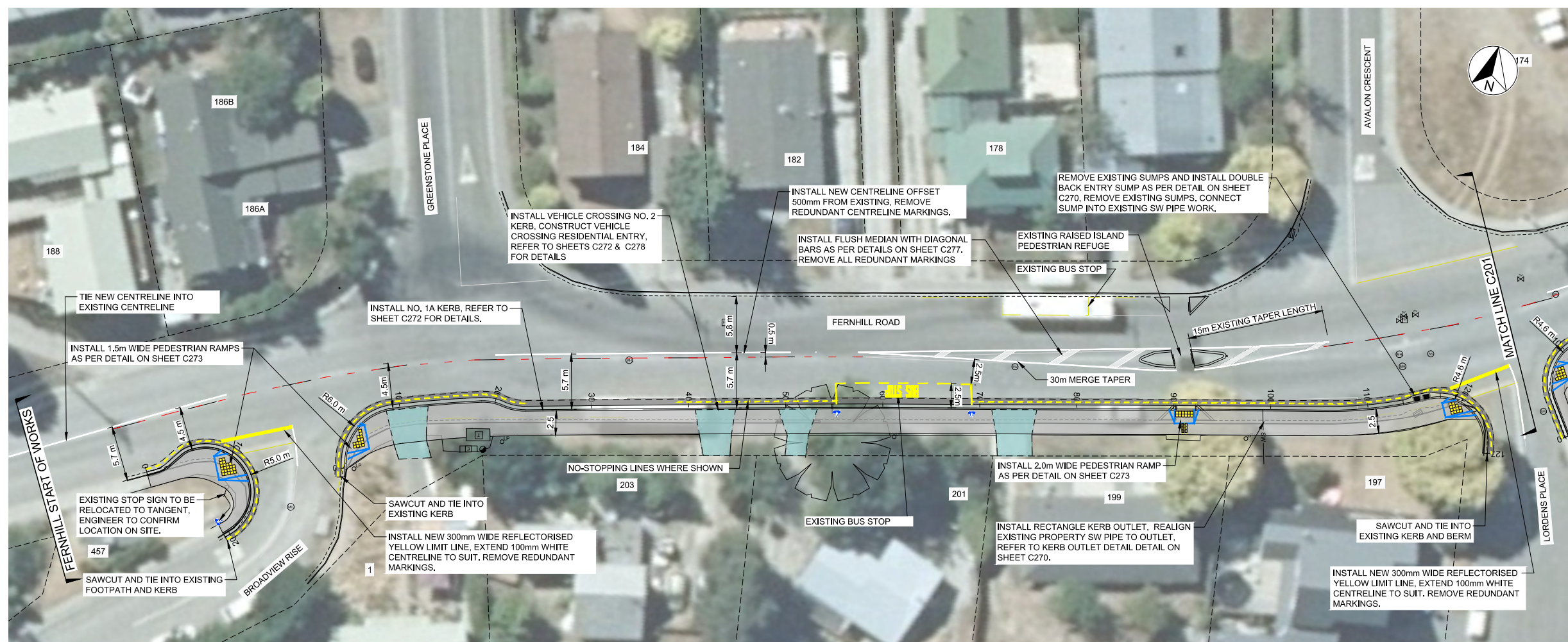
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B MULHOLLAND	B MULHOLLAND	R.GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S.FORBES	S.SHERLAW	2021-07-09

FOR TENDER

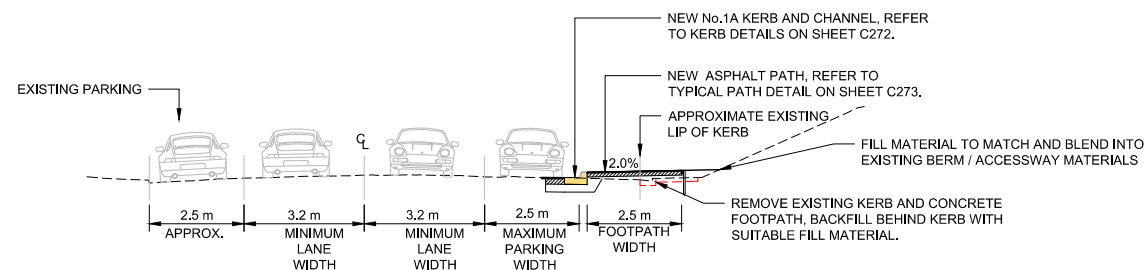
PROJECT			
QUEENSTOWN LAKES DISTRICT COUNCIL			
WAKATIPU ACTIVE TRAVEL			
WATN STAGE 2 ROUTES - ROUTE B2			
TITLE			
OVERALL LAYOUT PLAN AND INDEX SHEET			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-QX141.00	6-QX141-WSP-01-B2-DR	C004	D

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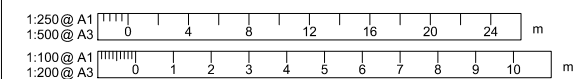
LEGEND	
EXISTING	
	LEGAL BOUNDARY
	KERB & CHANNEL
	EDGE OF SEAL
	SUMP
	STORMWATER MANHOLE
	SEWER MANHOLE
	MANHOLE
	TELECOMMUNICATION DOME
	CHORUS
	FIRE HYDRANT
	SLUICE VALVE
	TOBY VALVE
	ELECTRICAL BOX
	POWER POLE
	LIGHT POLE
	SIGN
PROPOSED	
	KERB AND CHANNEL
	FOOTPATH - AC
	ROAD - AC
	GREEN PAVEMENT TREATMENT
	VEHICLE CROSSING - AC
	INSITU CONCRETE PAVEMENT
	NEW DOUBLE BACK ENTRY SUMP
	NEW SINGLE BACK ENTRY SUMP
	PEDESTRIAN / CYCLE RAMP WITH TACTILE & DIRECTIONAL TGS'S



PROPOSED LAYOUT
SCALE: 1:250 (A1)



FERNHILL TYPICAL CROSS SECTION
SCALE: 1:100 (A1)



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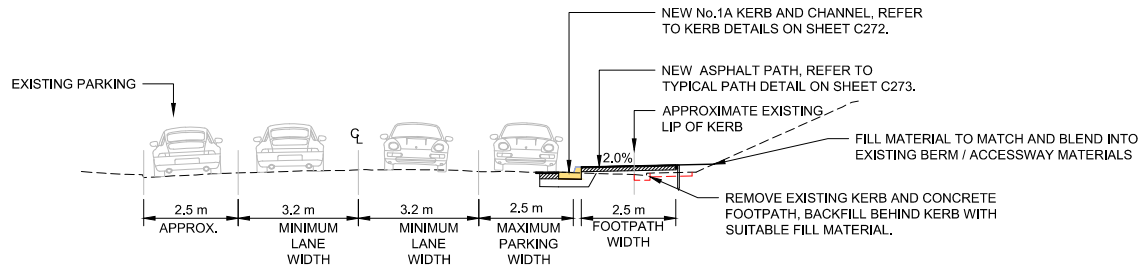
SCALES		ORIGINAL SIZE
1:250 (A1), 1:500 (A3) & 1:100 (A1), 1:200 (A3)		A1
DESIGNED	B MULHOLLAND	APPROVED
DRAWN	B MULHOLLAND	R.GILL
DRAWING VERIFIED	S.FORBES	DESIGN VERIFIED
S.SHERLAW		APPROVED DATE
		2021-07-09

FOR TENDER

PROJECT		SHEET NO.	REVISION
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - ROUTE B2		C200	D
TITLE			
PROPOSED LAYOUT BROADVIEW RISE TO LORDENS PLACE			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE		
6-XQ141.00	6-XQ141-WSP-01-B2-DR		

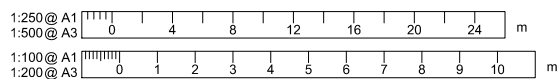


PROPOSED LAYOUT
SCALE: 1:250 (A1)



FERNHILL TYPICAL CROSS SECTION
SCALE: 1:100 (A1)

LEGEND	
EXISTING	
	LEGAL BOUNDARY
	KERB & CHANNEL
	EDGE OF SEAL
	SUMP
	STORMWATER MANHOLE
	SEWER MANHOLE
	MANHOLE
	TELECOMMUNICATION DOME
	CHORUS
	FIRE HYDRANT
	SLUICE VALVE
	TOBY VALVE
	ELECTRICAL BOX
	POWER POLE
	LIGHT POLE
	SIGN
PROPOSED	
	KERB AND CHANNEL
	FOOTPATH - AC
	ROAD - AC
	GREEN PAVEMENT TREATMENT
	VEHICLE CROSSING - AC
	INSITU CONCRETE PAVEMENT
	NEW DOUBLE BACK ENTRY SUMP
	NEW SINGLE BACK ENTRY SUMP
	PEDESTRIAN / CYCLE RAMP WITH TACTILE & DIRECTIONAL TGSI'S



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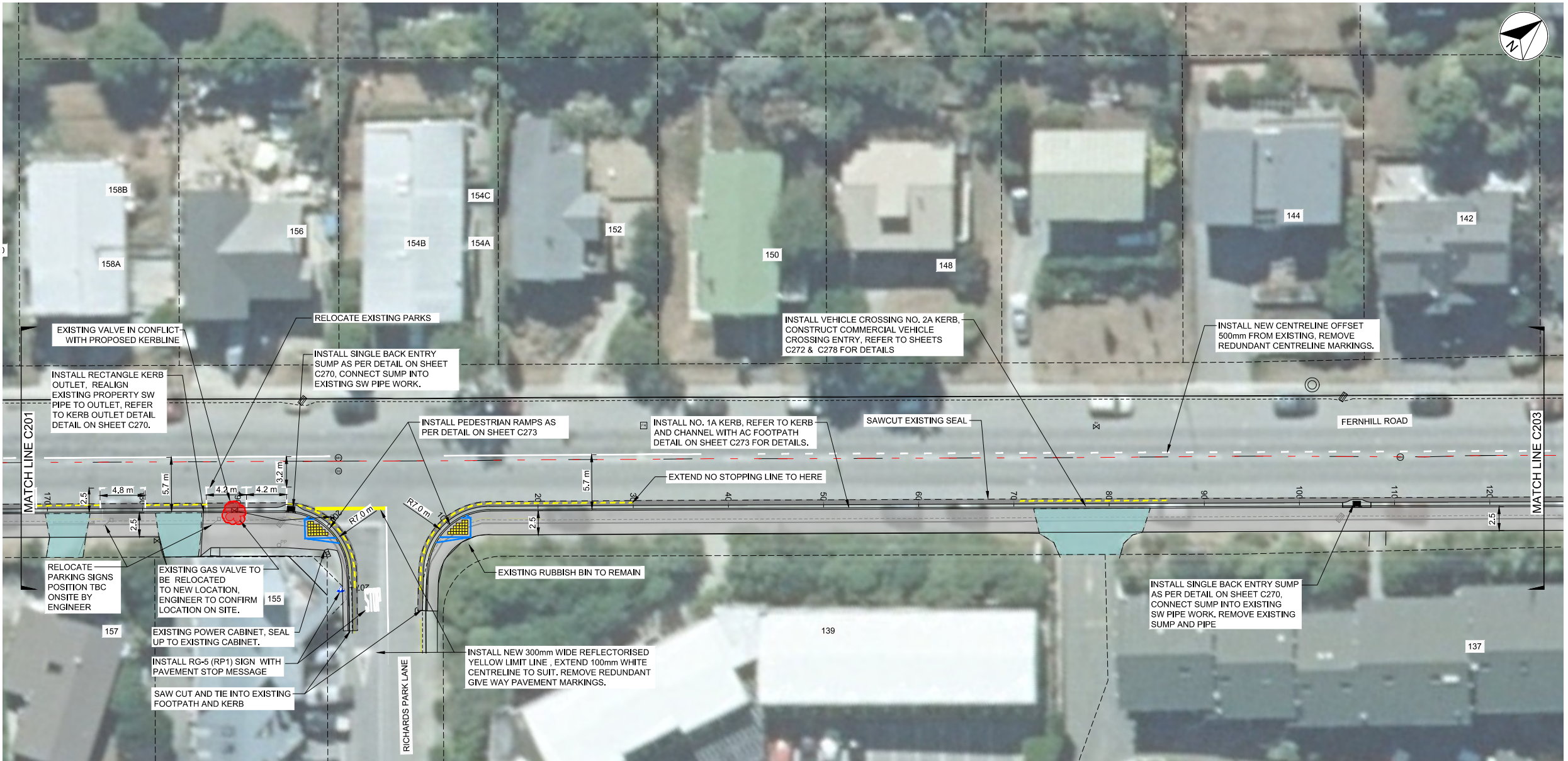
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PROJECT		
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - ROUTE B2		
TITLE		
PROPOSED LAYOUT LORDENS PLACE TO RICHARDS PARK LANE		
WSP PROJECT NO. 6-QX141.00	PROJ-ORIG-VOL-LOC-TYPE 6-QX141-WSP-01-B2-DR	SHEET NO. C201
		REVISION D



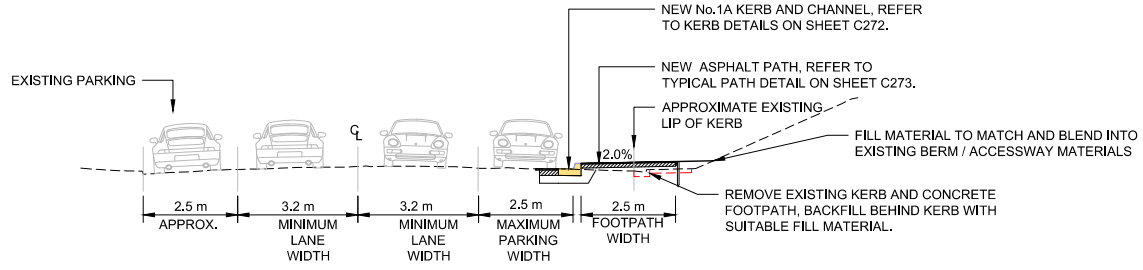
LEGEND

EXISTING	
---	LEGAL BOUNDARY
---	KERB & CHANNEL
---	EDGE OF SEAL
SW	SUMP
SW	STORMWATER MANHOLE
SS	SEWER MANHOLE
MH	MANHOLE
TD	TELECOMMUNICATION DOME
T	CHORUS
FH	FIRE HYDRANT
SV	SLUIVE VALVE
TV	TOBY VALVE
E	ELECTRICAL BOX
PP	POWER POLE
LP	LIGHT POLE
S	SIGN
PROPOSED	
---	KERB AND CHANNEL
---	FOOTPATH - AC
---	ROAD - AC
---	GREEN PAVEMENT TREATMENT
---	VEHICLE CROSSING - AC
---	INSITU CONCRETE PAVEMENT
---	NEW DOUBLE BACK ENTRY SUMP
---	NEW SINGLE BACK ENTRY SUMP
---	PEDESTRIAN / CYCLE RAMP WITH TACTILE & DIRECTIONAL TGS'S



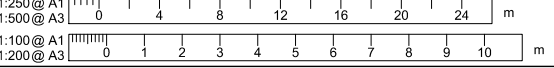
PROPOSED LAYOUT

SCALE: 1:250 (A1)



FERNHILL TYPICAL CROSS SECTION

SCALE: 1:100 (A1)



REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR SAFETY AUDIT	S.S	2021-07-09
B	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-08-02
C	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S	2021-08-30
D	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



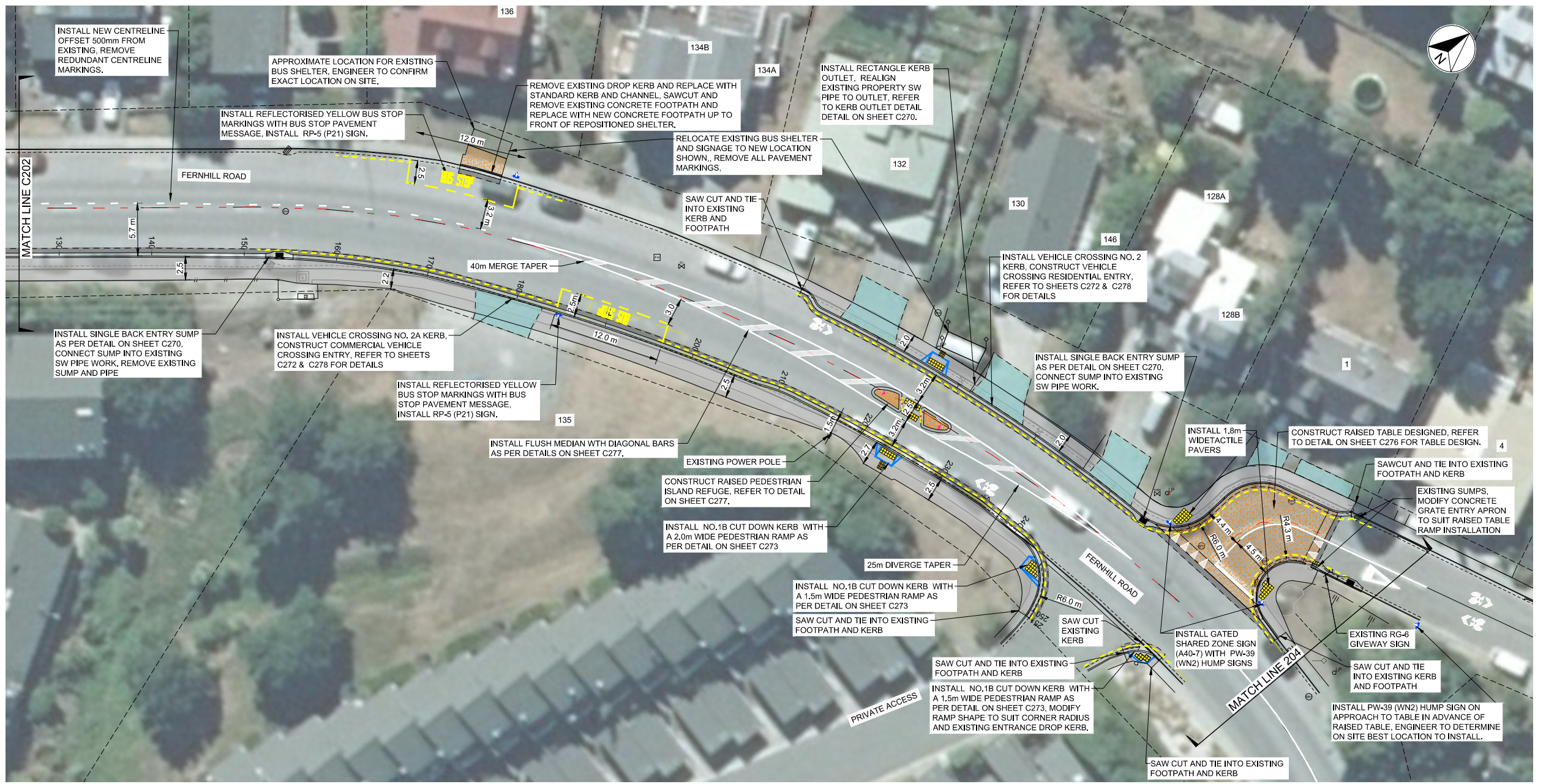
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 +64 3 451 0360
 PO Box 2323
 Queenstown 9300
 New Zealand

CIVIL

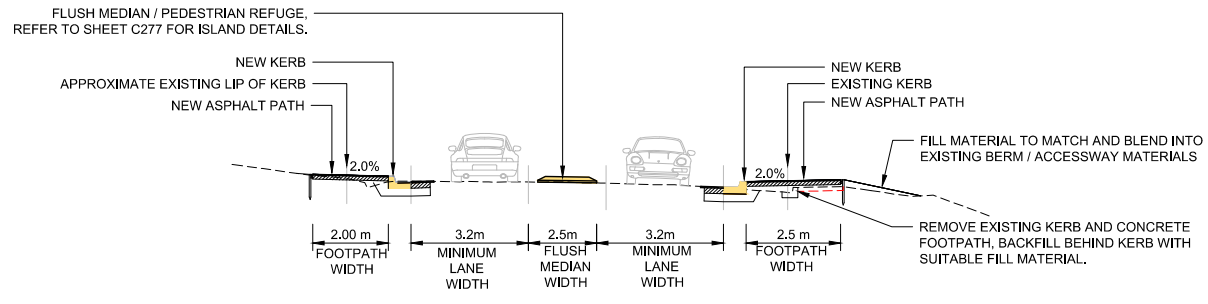
SCALES		ORIGINAL SIZE
1:250 (A1), 1:500 (A3) & 1:100 (A1), 1:200 (A3)		A1
DRAWN	DESIGNED	APPROVED
B MULHOLLAND	B MULHOLLAND	R.GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S.FORBES	S.SHERLAW	2021-07-09

FOR TENDER

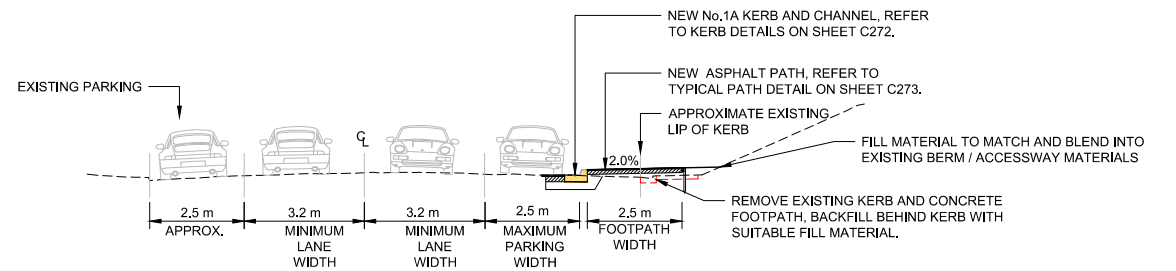
PROJECT		
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - ROUTE B2		
TITLE		
PROPOSED LAYOUT RICHARDS PARK LANE TO CAMERON PLACE		
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.
6-QX141.00	6-QX141-WSP-01-B2-DR	C202
		REVISION
		D



PROPOSED LAYOUT
SCALE: 1:250 (A1)

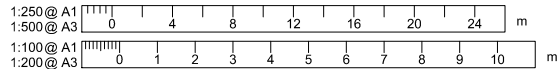


FERNHILL CROSSING POINT CROSS SECTION
SCALE: 1:100 (A1)



FERNHILL TYPICAL CROSS SECTION
SCALE: 1:100 (A1)

LEGEND	
EXISTING	
	LEGAL BOUNDARY
	KERB & CHANNEL
	EDGE OF SEAL
	SUMP
	STORMWATER MANHOLE
	SEWER MANHOLE
	MANHOLE
	TELECOMMUNICATION DOME
	CHORUS
	FIRE HYDRANT
	SLUICE VALVE
	TOBY VALVE
	ELECTRICAL BOX
	POWER POLE
	LIGHT POLE
	SIGN
PROPOSED	
	KERB AND CHANNEL
	FOOTPATH - AC
	ROAD - AC
	GREEN PAVEMENT TREATMENT
	VEHICLE CROSSING - AC
	INSITU CONCRETE PAVEMENT
	NEW DOUBLE BACK ENTRY SUMP
	NEW SINGLE BACK ENTRY SUMP
	PEDESTRIAN / CYCLE RAMP WITH TACTILE & DIRECTIONAL TGS'S



REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR SAFETY AUDIT	S.S	2021-07-09
B	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-08-02
C	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S	2021-08-30
D	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



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SCALES		ORIGINAL SIZE
1:250 (A1), 1:500 (A3) & 1:100 (A1), 1:200 (A3)		A1
DRAWN	DESIGNED	APPROVED
B MULHOLLAND	B MULHOLLAND	R.GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S.FORBES	S.SHERLAW	2021-07-09

FOR TENDER

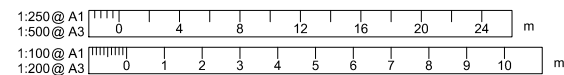
PROJECT		SHEET NO.	REVISION
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - ROUTE B2		C203	D
TITLE			
PROPOSED LAYOUT RICHARDS PARK LANE TO CAMERON PLACE			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-QX141.00	6-QX141-WSP-01-B2-DR	C203	D

300 mm
200
100
50
0 10 mm

LEGEND	
EXISTING	
---	LEGAL BOUNDARY
---	KERB & CHANNEL
---	EDGE OF SEAL
[Symbol]	SUMP
[Symbol]	STORMWATER MANHOLE
[Symbol]	SEWER MANHOLE
[Symbol]	MANHOLE
[Symbol]	TELECOMMUNICATION DOME
[Symbol]	CHORUS
[Symbol]	FIRE HYDRANT
[Symbol]	SLUICE VALVE
[Symbol]	TOBY VALVE
[Symbol]	ELECTRICAL BOX
[Symbol]	POWER POLE
[Symbol]	LIGHT POLE
[Symbol]	SIGN
PROPOSED	
[Symbol]	KERB AND CHANNEL
[Symbol]	FOOTPATH - AC
[Symbol]	ROAD - AC
[Symbol]	GREEN PAVEMENT TREATMENT
[Symbol]	VEHICLE CROSSING - AC
[Symbol]	INSITU CONCRETE PAVEMENT
[Symbol]	NEW DOUBLE BACK ENTRY SUMP
[Symbol]	NEW SINGLE BACK ENTRY SUMP
[Symbol]	PEDESTRIAN / CYCLE RAMP WITH TACTILE & DIRECTIONAL TGS'S



PROPOSED LAYOUT
SCALE: 1:250 (A1)



REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR SAFETY AUDIT	S.S	2021-07-09
B	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-08-02
C	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S	2021-08-30
D	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



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SCALES		ORIGINAL SIZE
1:250 (A1), 1:500 (A3) & 1:100 (A1), 1:200 (A3)		A1
DRAWN	DESIGNED	APPROVED
B MULHOLLAND	B MULHOLLAND	R.GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S.FORBES	S.SHERLAW	2021-07-09

FOR TENDER

PROJECT		SHEET NO.	REVISION
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - ROUTE B2		C204	D
TITLE			
PROPOSED LAYOUT CAMERON PLACE			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-XQ141.00	6-XQ141-WSP-01-B2-DR	C204	D

300 mm
200
100
50
0 10 mm

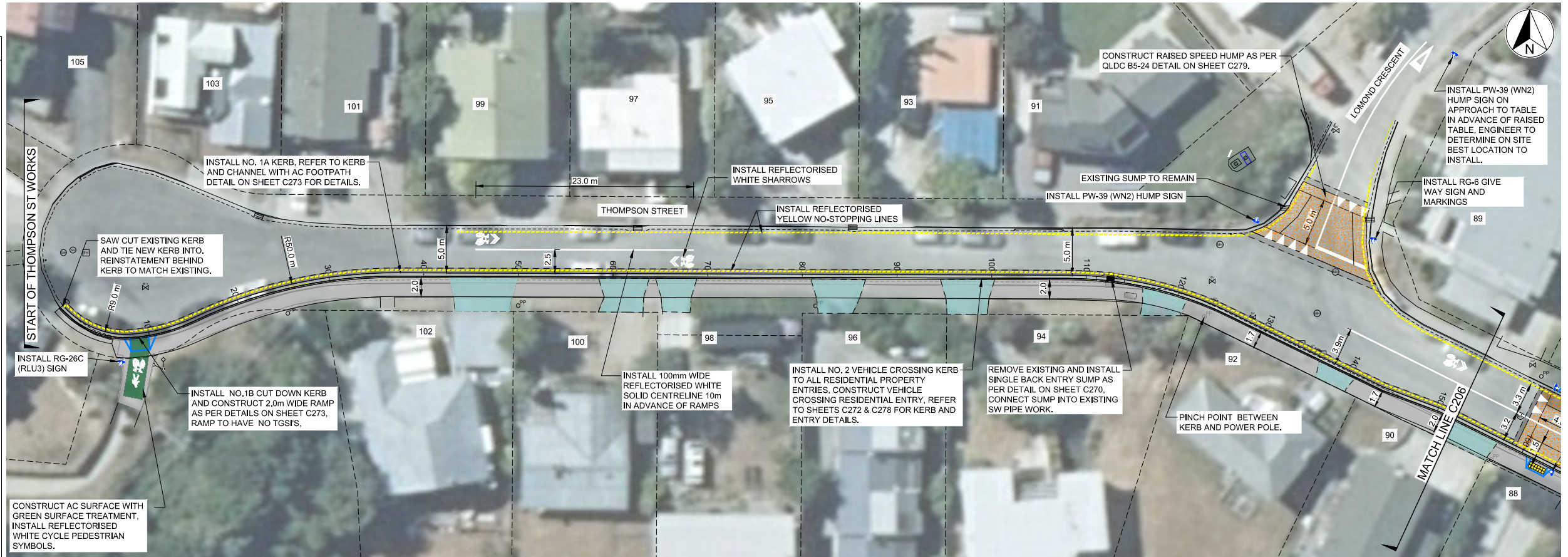
LEGEND

EXISTING

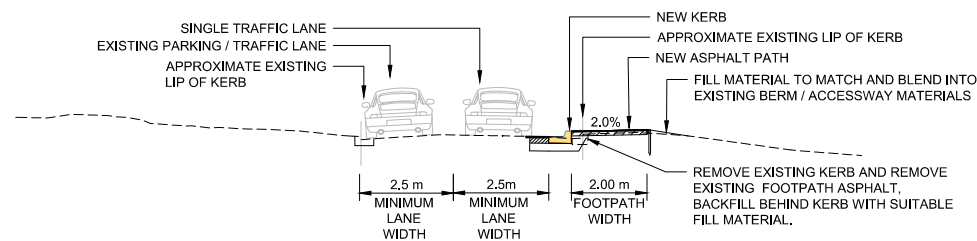
- LEGAL BOUNDARY
- KERB & CHANNEL
- EDGE OF SEAL
- SUMP
- STORMWATER MANHOLE
- SEWER MANHOLE
- MANHOLE
- TELECOMMUNICATION DOME
- CHORUS
- FIRE HYDRANT
- SLUICE VALVE
- TOBY VALVE
- ELECTRICAL BOX
- POWER POLE
- LIGHT POLE
- SIGN

PROPOSED

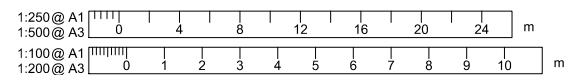
- KERB AND CHANNEL
- FOOTPATH - AC
- ROAD - AC
- GREEN PAVEMENT TREATMENT
- VEHICLE CROSSING - AC
- INSITU CONCRETE PAVEMENT
- NEW DOUBLE BACK ENTRY SUMP
- NEW SINGLE BACK ENTRY SUMP
- PEDESTRIAN / CYCLE RAMP WITH TACTILE & DIRECTIONAL TGSIS



PROPOSED LAYOUT
SCALE: 1:250 (A1)



THOMPSON ST TYPICAL CROSS SECTION
SCALE: 1:100 (A1) - CUL-DE-SAC TO LOMOND CRES



REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR SAFETY AUDIT	S.S	2021-07-09
B	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-08-02
C	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S	2021-08-30
D	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



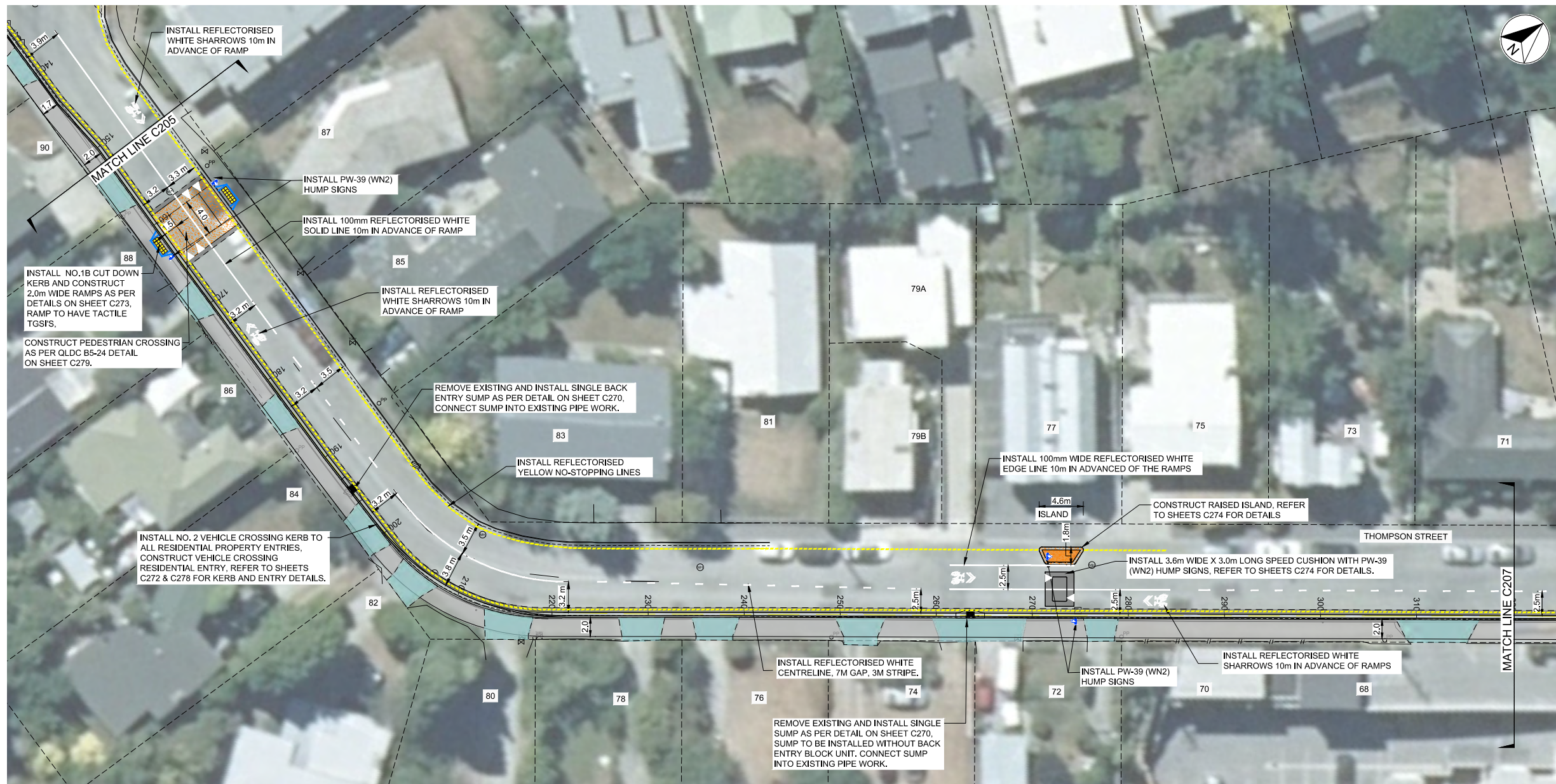
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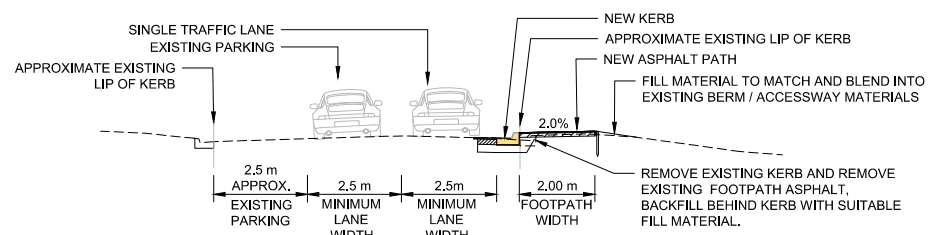
SCALES		ORIGINAL SIZE
1:250 (A1), 1:500 (A3) & 1:100 (A1), 1:200 (A3)		A1
DRAWN	DESIGNED	APPROVED
B MULHOLLAND	B MULHOLLAND	R.GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S.FORBES	S.SHERLAW	2021-07-09

FOR TENDER

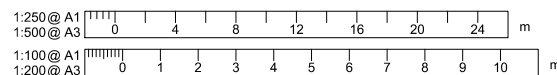
PROJECT		SHEET NO.	REVISION
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - ROUTE B2		C205	D
TITLE			
PROPOSED LAYOUT THOMPSON STREET			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-XQ141.00	6-XQ141-WSP-01-B2-DR	C205	D



PROPOSED LAYOUT
SCALE: 1:250 (A1)



THOMPSON ST TYPICAL CROSS SECTION
SCALE: 1:100 (A1) - LOMOND CRES TO GLASGOW ST



REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR SAFETY AUDIT	S.S	2021-07-09
B	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-08-02
C	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S	2021-08-30
D	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



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SCALES	DESIGNED	APPROVED	ORIGINAL SIZE
1:250 (A1), 1:500 (A3) & 1:100 (A1), 1:200 (A3)	B MULHOLLAND	R.GILL	A1
DRAWN	DESIGNED	APPROVED	
B MULHOLLAND	B MULHOLLAND	R.GILL	
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE	
S.FORBES	S.SHERLAW	2021-07-09	

FOR TENDER

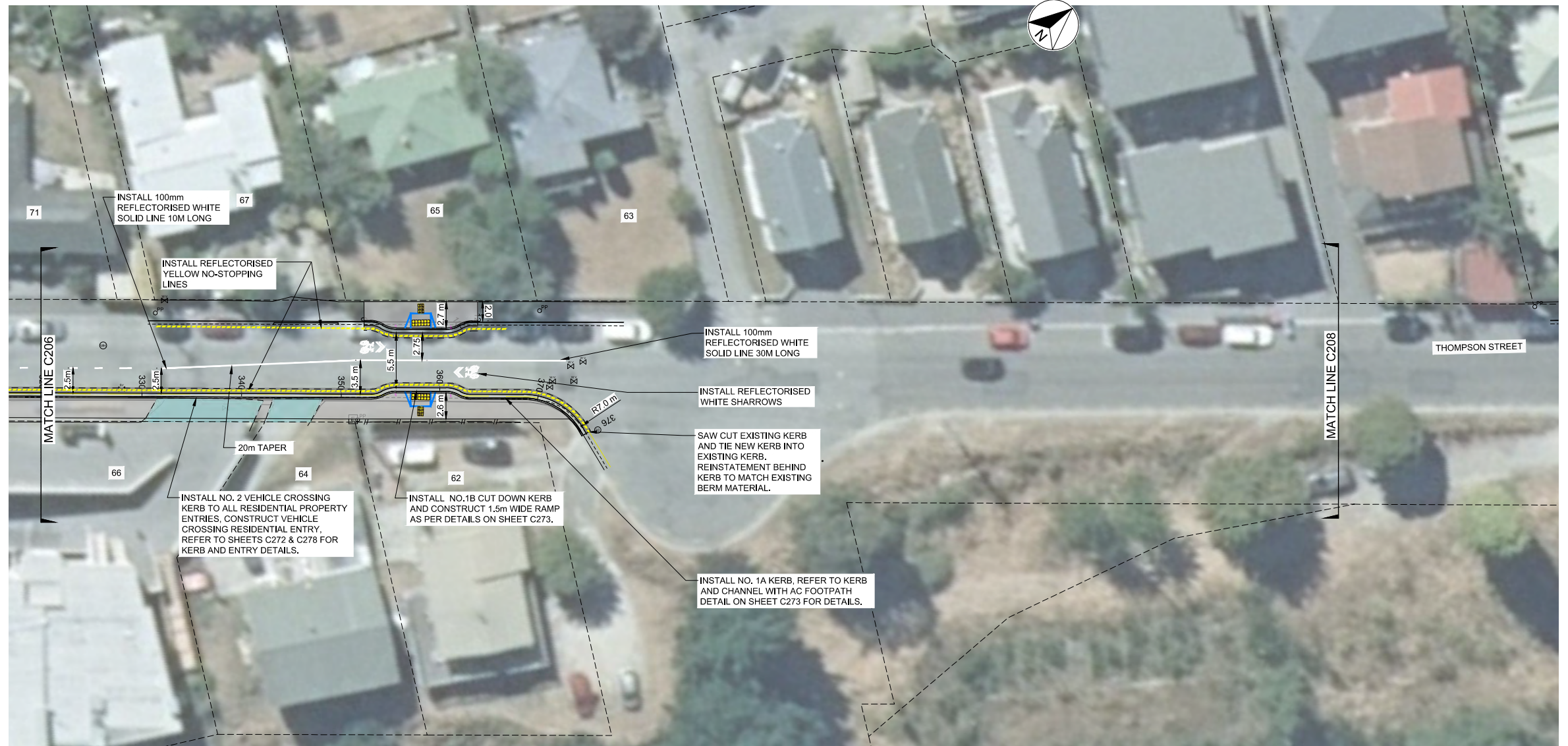
PROJECT
QUEENSTOWN LAKES DISTRICT COUNCIL
WAKATIPU ACTIVE TRAVEL
WATN STAGE 2 ROUTES - ROUTE B2

TITLE
PROPOSED LAYOUT
THOMPSON STREET

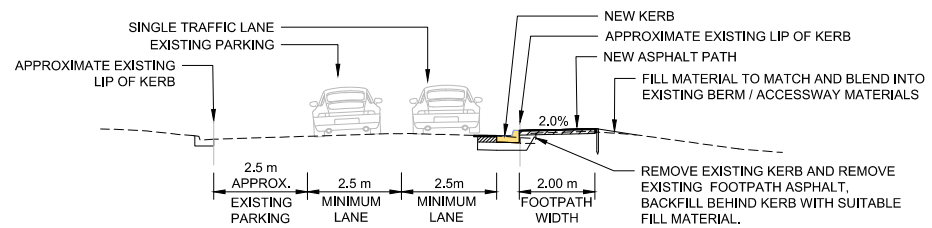
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-XQ141.00	6-XQ141-WSP-01-B2-DR	C206	D

300 mm
200
100
0 10 mm

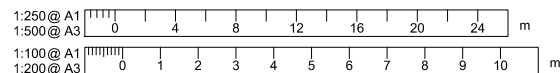
LEGEND	
EXISTING	
	LEGAL BOUNDARY
	KERB & CHANNEL
	EDGE OF SEAL
	SUMP
	STORMWATER MANHOLE
	SEWER MANHOLE
	MANHOLE
	TELECOMMUNICATION DOME
	CHORUS
	FIRE HYDRANT
	SLUICE VALVE
	TOBY VALVE
	ELECTRICAL BOX
	POWER POLE
	LIGHT POLE
	SIGN
PROPOSED	
	KERB AND CHANNEL
	FOOTPATH - AC
	ROAD - AC
	GREEN PAVEMENT TREATMENT
	VEHICLE CROSSING - AC
	INSITU CONCRETE PAVEMENT
	NEW DOUBLE BACK ENTRY SUMP
	NEW SINGLE BACK ENTRY SUMP
	PEDESTRIAN / CYCLE RAMP WITH TACTILE & DIRECTIONAL TGS'S



PROPOSED LAYOUT
SCALE: 1:250 (A1)



THOMPSON ST TYPICAL CROSS SECTION
SCALE: 1:100 (A1) - LOMOND CRES TO GLASGOW ST



REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR SAFETY AUDIT	S.S	2021-07-09
B	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-08-02
C	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S	2021-08-30
D	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



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CIVIL

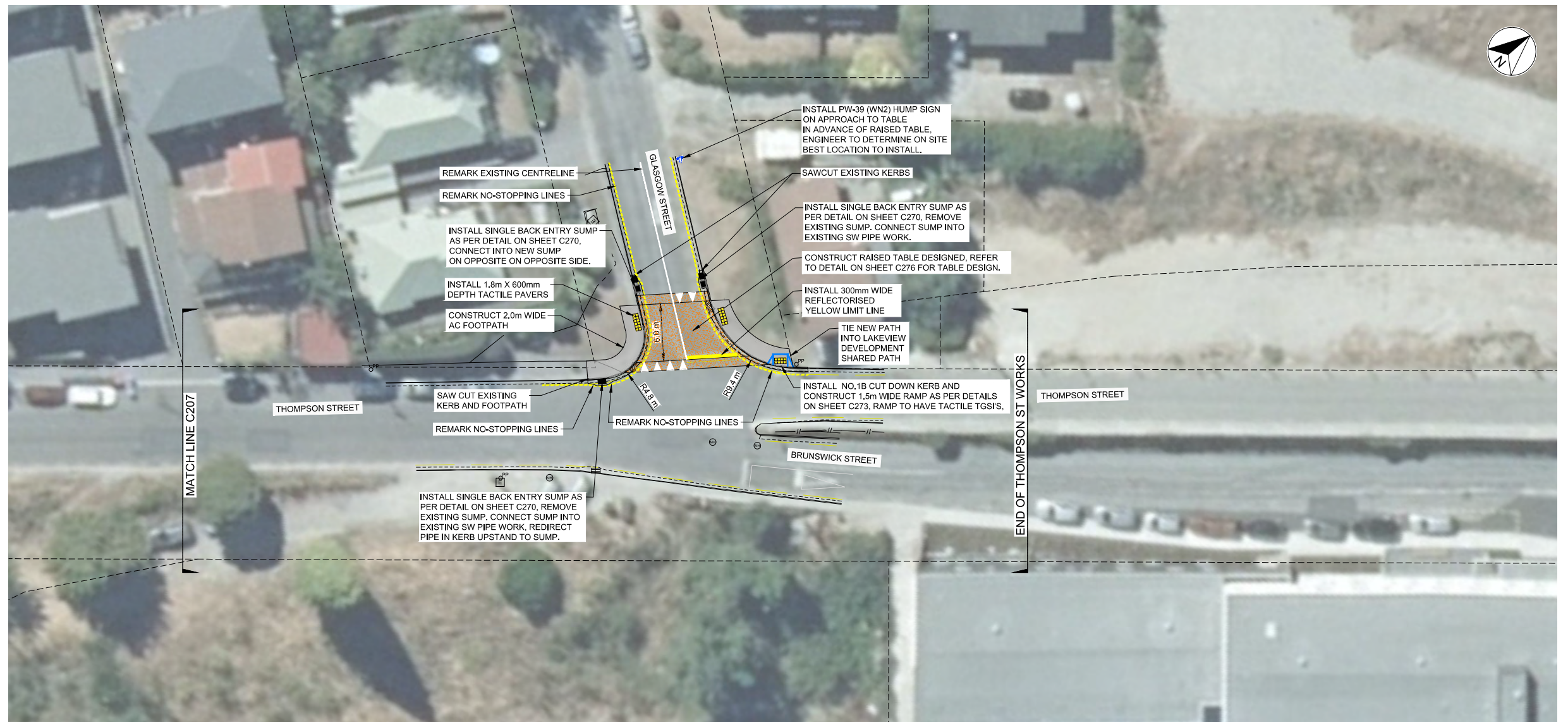
SCALES	DESIGNED	APPROVED	ORIGINAL SIZE
1:250 (A1), 1:500 (A3) & 1:100 (A1), 1:200 (A3)	B MULHOLLAND	R.GILL	A1
DRAWN	DESIGN VERIFIED	APPROVED DATE	
S.FORBES	S.SHERLAW	2021-07-09	

FOR TENDER

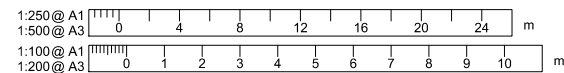
PROJECT			
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - ROUTE B2			
TITLE			
PROPOSED LAYOUT THOMPSON STREET			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-QX141.00	6-QX141-WSP-01-B2-DR	C207	D

300 mm
200
100
50
0 10 mm

LEGEND	
EXISTING	
---	LEGAL BOUNDARY
---	KERB & CHANNEL
---	EDGE OF SEAL
[Symbol]	SUMP
[Symbol]	STORMWATER MANHOLE
[Symbol]	SEWER MANHOLE
[Symbol]	MANHOLE
[Symbol]	TELECOMMUNICATION DOME
[Symbol]	CHORUS
[Symbol]	FIRE HYDRANT
[Symbol]	SLUICE VALVE
[Symbol]	TOBY VALVE
[Symbol]	ELECTRICAL BOX
[Symbol]	POWER POLE
[Symbol]	LIGHT POLE
[Symbol]	SIGN
PROPOSED	
[Symbol]	KERB AND CHANNEL
[Symbol]	FOOTPATH - AC
[Symbol]	ROAD - AC
[Symbol]	GREEN PAVEMENT TREATMENT
[Symbol]	VEHICLE CROSSING - AC
[Symbol]	INSITU CONCRETE PAVEMENT
[Symbol]	NEW DOUBLE BACK ENTRY SUMP
[Symbol]	NEW SINGLE BACK ENTRY SUMP
[Symbol]	PEDESTRIAN / CYCLE RAMP WITH TACTILE & DIRECTIONAL TGSIS



PROPOSED LAYOUT
SCALE: 1:250 (A1)



REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR SAFETY AUDIT	S.S	2021-07-09
B	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-08-02
C	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S	2021-08-30
D	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



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SCALES		ORIGINAL SIZE
1:250 (A1), 1:500 (A3) & 1:100 (A1), 1:200 (A3)		A1
DRAWN	DESIGNED	APPROVED
B MULHOLLAND	B MULHOLLAND	R.GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S.FORBES	S.SHERLAW	2021-07-09

FOR TENDER

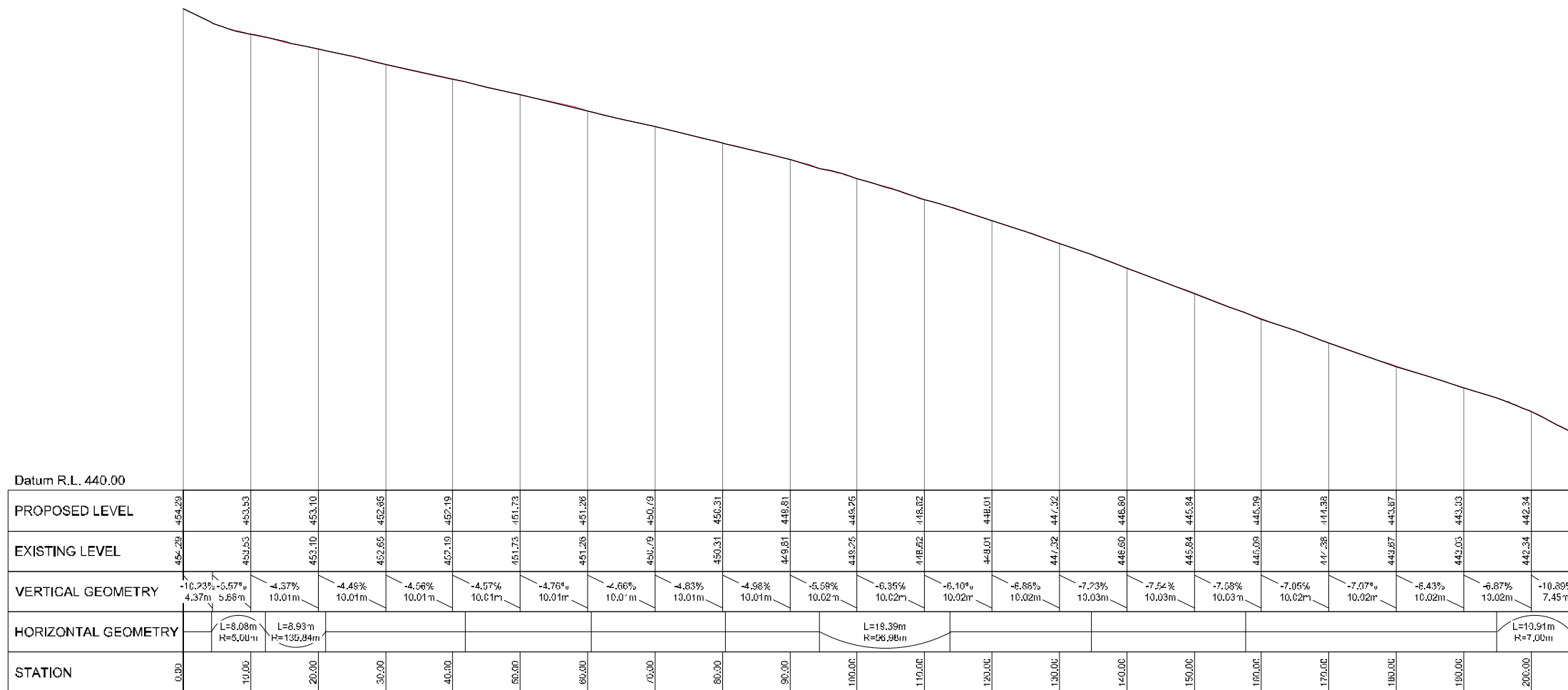
PROJECT			
QUEENSTOWN LAKES DISTRICT COUNCIL			
WAKATIPU ACTIVE TRAVEL			
WATN STAGE 2 ROUTES - ROUTE B2			
TITLE			
PROPOSED LAYOUT			
THOMPSON STREET- GLASGOW STREET			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-QX141.00	6-QX141-WSP-01-B2-DR	C208	D

Datum R.L. 458.00					
PROPOSED LEVEL	458.33	458.41	459.41	459.50	459.50
EXISTING LEVEL	458.33	458.41	458.41	459.50	459.50
VERTICAL GEOMETRY	0.30% 2.00m	1.53% 5.40m	3.11% 4.80m	11.82% 2.02m	16.93% 4.65m
HORIZONTAL GEOMETRY	L=1.35m R=3.00m	L=1.40m R=3.00m	L=14.32m R=5.00m		3.57% 2.00m
STATION	0.00	10.00	20.00	20.58	20.58

NEW EoS - BROADVIEW RISE
LONGSECTION BETWEEN CH: 0.00 AND 20.58

Datum R.L. 454.00														
PROPOSED LEVEL	458.40	458.20	457.87	457.56	457.23	456.98	456.60	456.21	455.77	455.37	454.96	454.54	454.14	454.67
EXISTING LEVEL	458.40	458.20	457.87	457.56	457.23	456.98	456.60	456.21	455.77	455.37	454.96	454.54	454.14	454.67
VERTICAL GEOMETRY	-1.94% 10.00m	-3.35% 10.01m	-3.12% 10.00m	-2.75% 13.00m	-2.98% 10.00m	-3.84% 10.01m	-3.83% 10.01m	-4.25% 10.01m	-4.13% 10.01m	-4.12% 13.01m	-4.15% 10.13m	-4.02% 9.94m	2.54% 2.87m	12.82% 3.70m
HORIZONTAL GEOMETRY	L=0.46m R=6.00m	L=9.20m R=121.20m	L=2.42m R=5.00m	L=2.22m R=5.00m							L=10.79m R=46.34m	L=8.42m R=5.00m		
STATION	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00	110.00	120.00	126.60

NEW EoS - BROADVIEW-LORDENS PL
LONGSECTION BETWEEN CH: 0.00 AND 126.60



NEW EoS - LORDENS PL - RICHARDS PK
LONGSECTION BETWEEN CH: 0.00 AND 207.40

1:400 @ A'
1:800 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	DETAIL FD DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-08-02
B	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S	2021-08-30
C	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-13-22

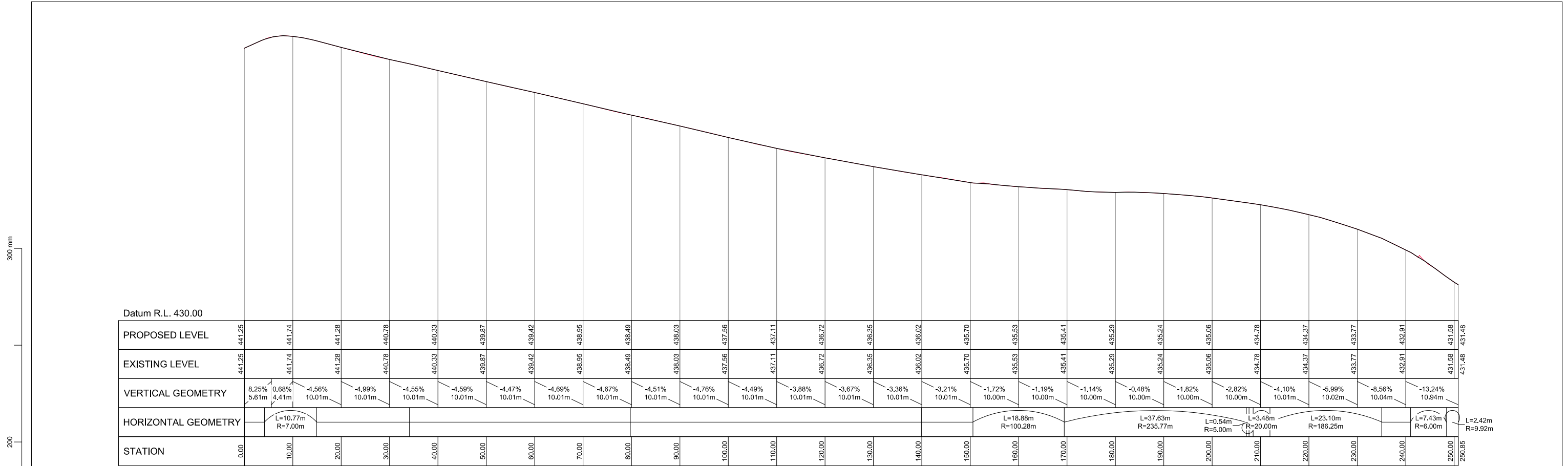


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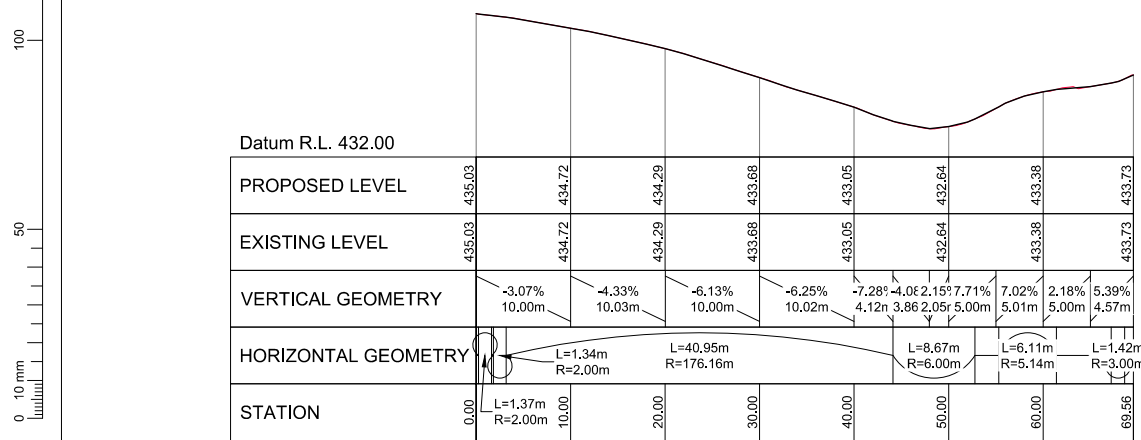
CIVIL

SCALE 1:400 (Hx) 1:2000 (Vx)	ORIGINAL SIZE A1	
DRAWN B MULHOLLAND	DESIGNER B MULHOLLAND	APPROVED R.GILL
DRAWING CHECKED S.FORBES	DESIGN VERIFIED S.SHERLAW	APPROVED DATE 2021-07-09
FOR TENDER		

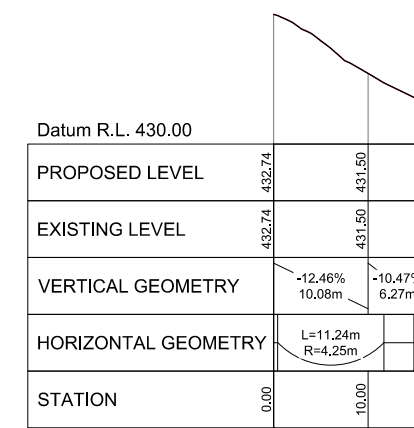
PROJECT QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - ROUTE B2			
TITLE PROPOSED NEW EoS LONGSECTION BROADVIEW RISE TO RICHARDS PARK LANE			
WSP PROJECT NO. 6-XQ141.00	PROJECT ORGANISATION 6-XQ141-WSP-01-B2-DR	SHEET NO. C209	REVISION C



NEW EoS - RICHARDS PK - CAMERON PL
LONGSECTION BETWEEN CH: 0.00 AND 250.85



NEW EoS - CAMERON NW CORNER
LONGSECTION BETWEEN CH: 0.00 AND 69.56



NEW EoS - CAMERON NE CORNER
LONGSECTION BETWEEN CH: 0.00 AND 16.23

1:400 @ A1
1:800 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-09-02
B	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S	2021-08-30
C	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



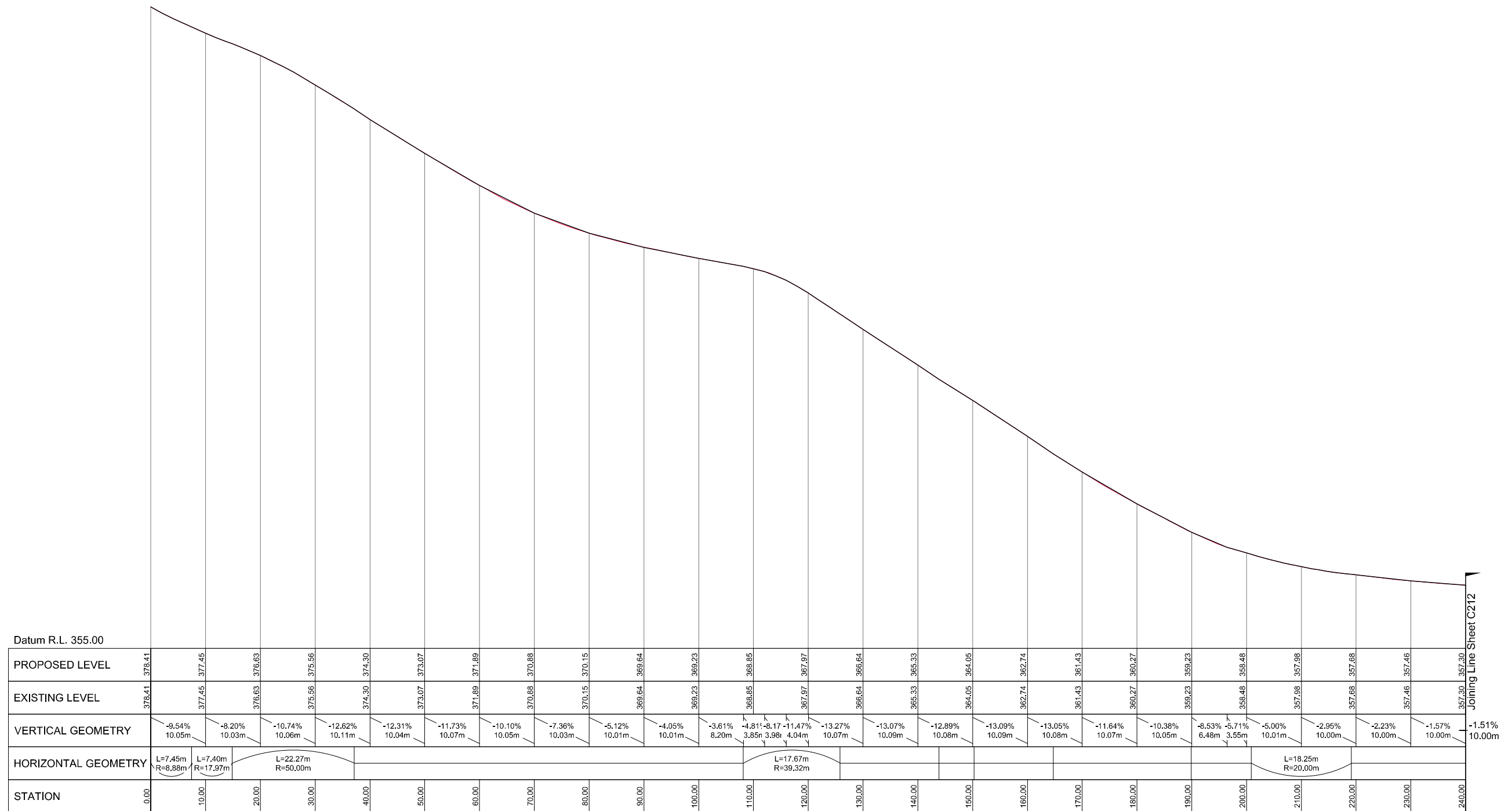
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CIVIL

SCALES		ORIGINAL SIZE
1:400 (Hz.) 1:2000 (VL)		A1
DRAWN	DESIGNED	APPROVED
B MULHOLLAND	B MULHOLLAND	R.GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S.FORBES	S.SHERLAW	2021-07-09
FOR TENDER		

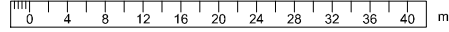
PROJECT			
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - ROUTE B2			
TITLE			
PROPOSED NEW EoS LONGSECTION RICHARDS PARK LANE TO CAMERON PLACE			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-XQ141.00	6-XQ141-WSP-01-B2-DR	C210	C

300 mm
200
100
50
0 10 mm
0 10 mm



NEW EoS - THOMPSON ST
LONGSECTION BETWEEN CH: 0.00 AND 240.00

1:400 @ A1
1:800 @ A3



REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S.	2021-08-02
B	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S.	2021-08-30
C	DETAILED DESIGN ISSUED FOR TENDER	S.S.	2021-10-22



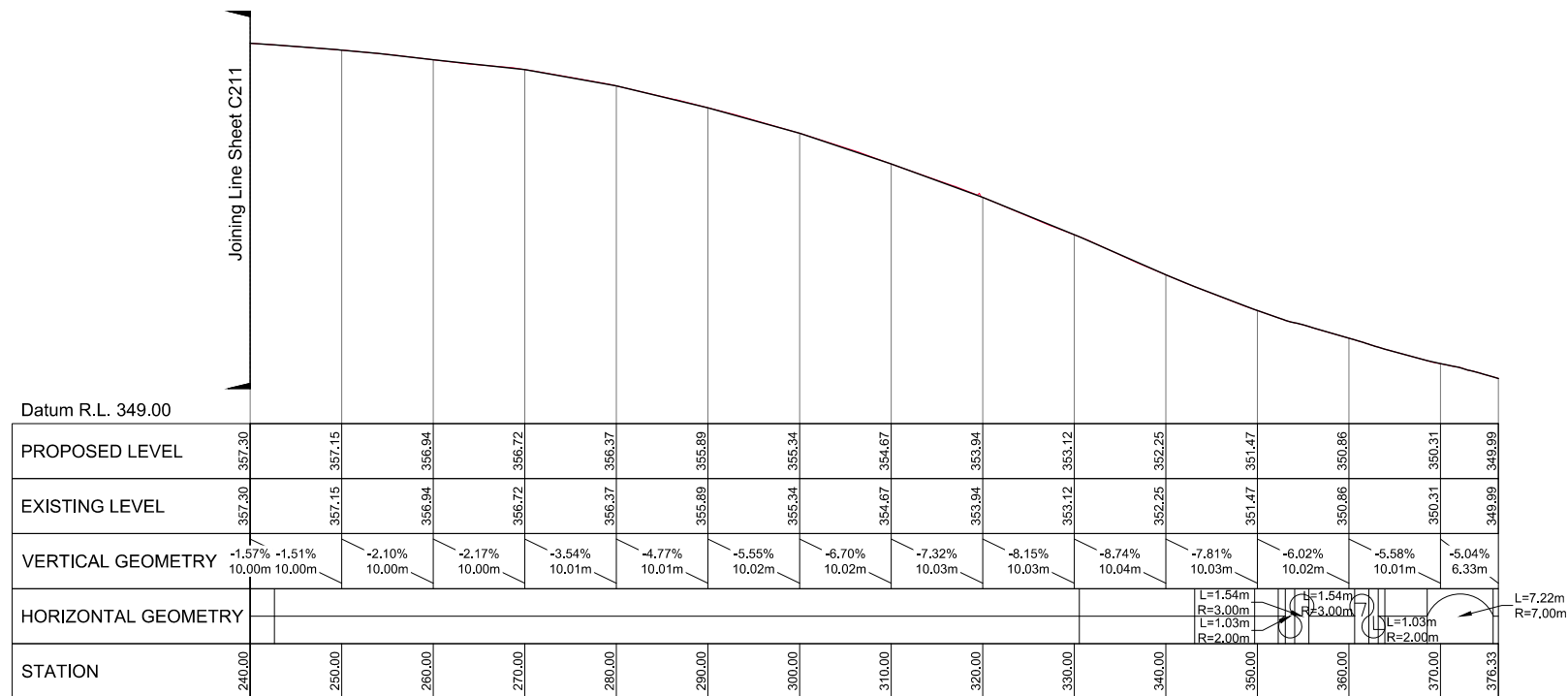
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+64 3 451 0360
PO Box 2323
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New Zealand

CIVIL

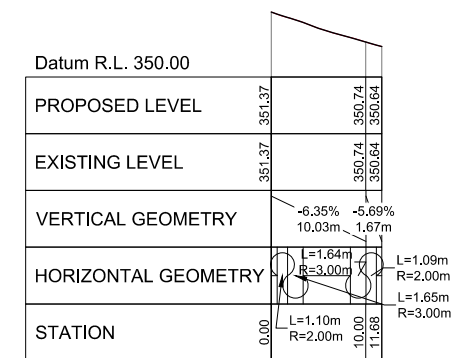
SCALES		ORIGINAL SIZE
1:400 (Hz.) 1:2000 (VL)		A1
DRAWN	DESIGNED	APPROVED
B.MULHOLLAND	B.MULHOLLAND	R.GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S.FORBES	S.SHERLAW	2021-07-09
FOR TENDER		

PROJECT		
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - ROUTE B2		
TITLE		
PROPOSED NEW EoS LONGSECTION THOMPSON STREET - CHA. 0m TO 240m		
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.
6-XQ141.00	6-XQ141-WSP-01-B2-DR	C211
		REVISION
		C

300 mm
200
100
0 10 mm
0 10 mm

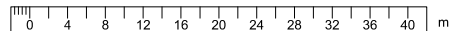


NEW EoS - THOMPSON ST
LONGSECTION BETWEEN CH: 240.00 AND 376.33



NEW EoS - THOMPSON ST LHS
LONGSECTION BETWEEN CH: 0.00 AND 11.68

1:400 @ A1
1:800 @ A3



REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-08-02
B	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S	2021-08-30
C	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



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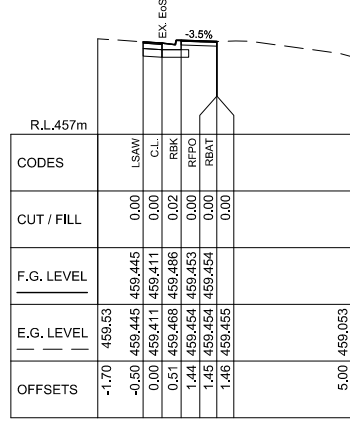
CIVIL

SCALES		ORIGINAL SIZE
1:400 (Hz.) 1:2000 (VL)		A1
DRAWN	DESIGNED	APPROVED
B MULHOLLAND	B MULHOLLAND	R.GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S.FORBES	S.SHERLAW	2021-07-09

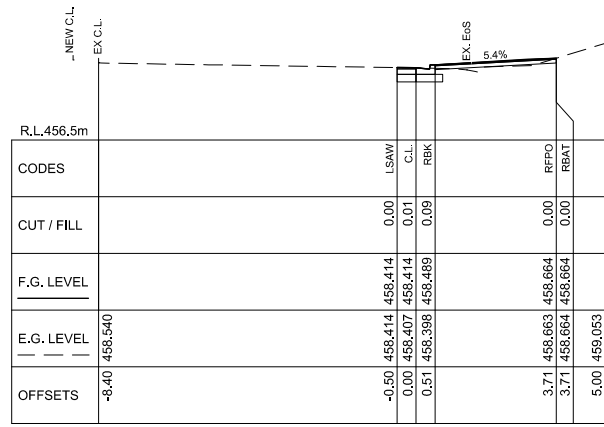
FOR TENDER

PROJECT			
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - ROUTE B2			
TITLE			
PROPOSED NEW EoS LONGSECTION THOMPSON STREET - CHA. 240m TO 376m AND 0m TO 11.68m			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-QX141.00	6-QX141-WSP-01-B2-DR	C212	C

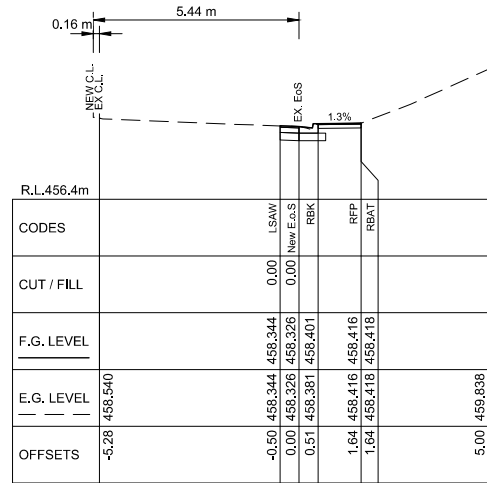
300 mm
200
100
50
0 10 mm



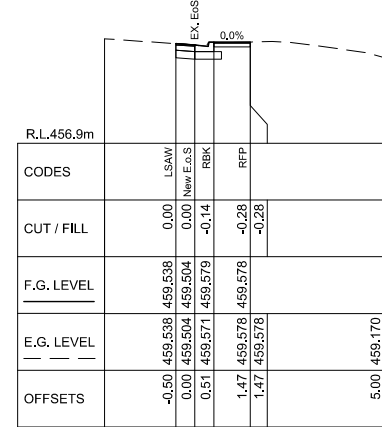
CHAINAGE: 20.000 m



CHAINAGE: 10.000 m



CHAINAGE: 0.000 m



CHAINAGE: 20.583 m

1:100 @ A1
1:200 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-08-02
B	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S	2021-08-30
C	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



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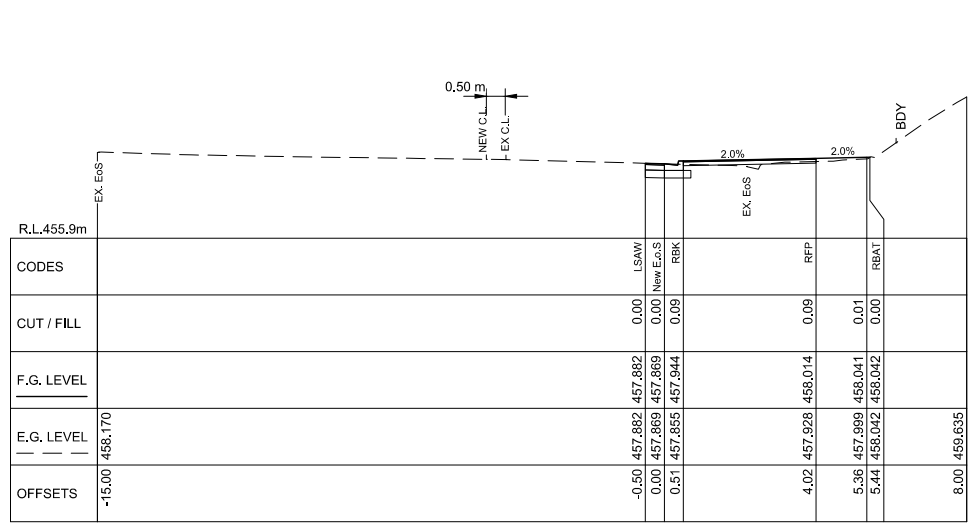
CIVIL

SCALES		ORIGINAL SIZE
1:100 (A1), 1:200 (A3)		A1
DRAWN	DESIGNED	APPROVED
B MULHOLLAND	B MULHOLLAND	R.GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S.FORBES	S.SHERLAW	2021-07-09

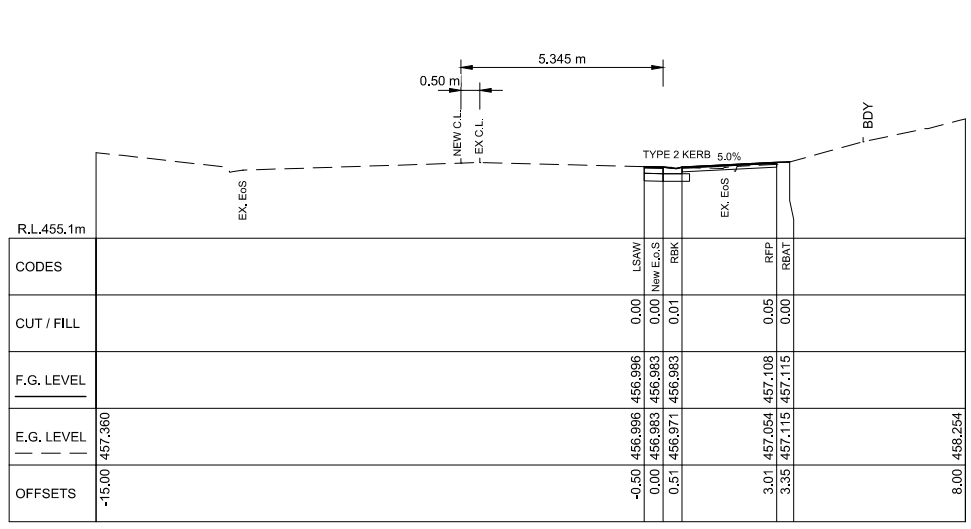
FOR TENDER

PROJECT		
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - ROUTE B2		
TITLE		
NEW EoS - BROADVIEW RISE NW CORNER CROSS SECTIONS CHA. 0m TO 20.58m		
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.
6-QX141.00	6-QX141-WSP-01-B2-DR	C240
		REVISION
		C

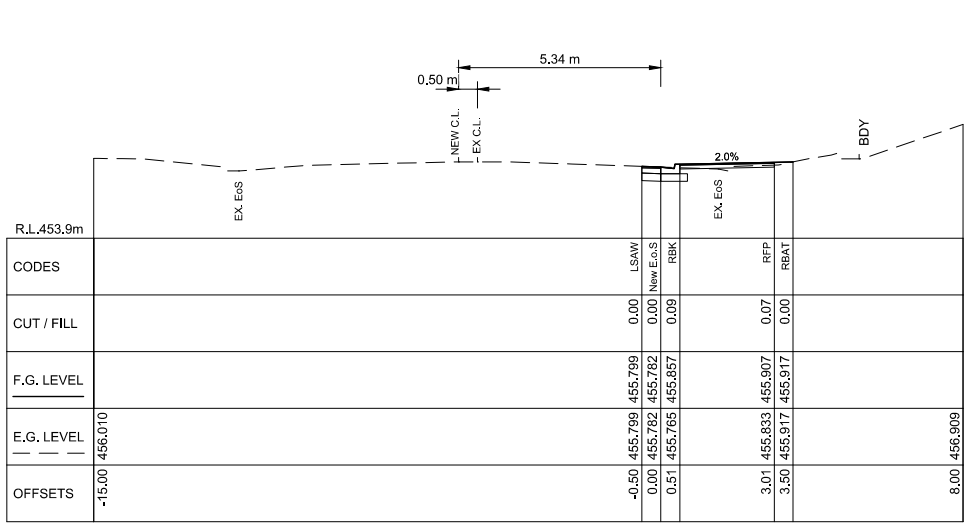
300 mm
200
100
50
0 10 mm



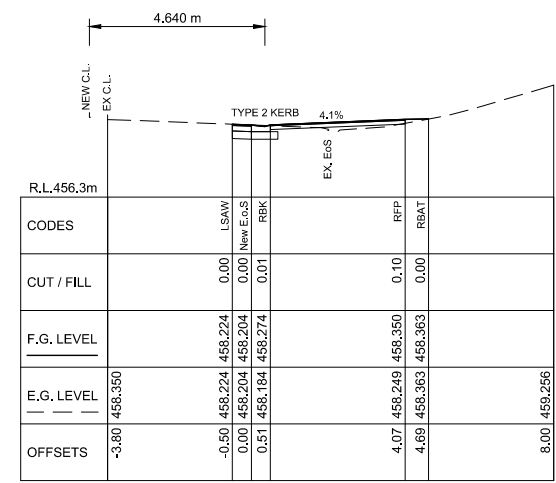
CHAINAGE: 20.000 m



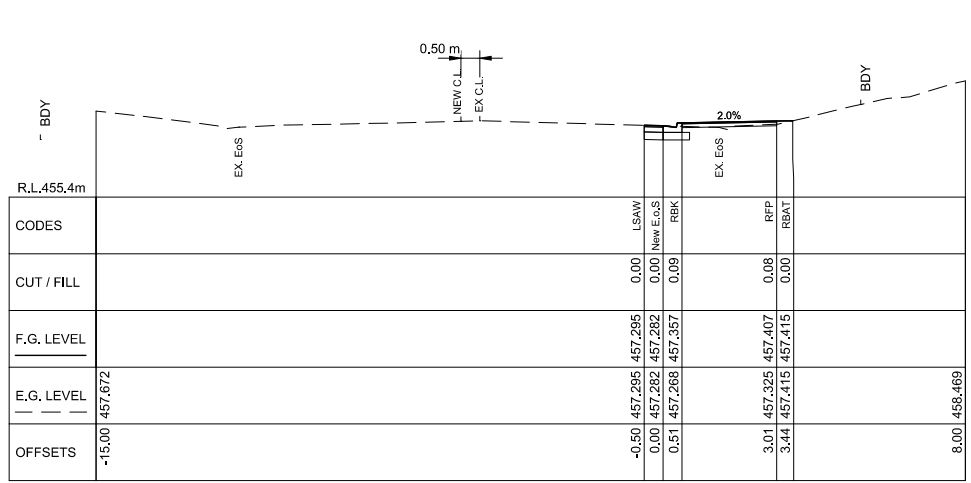
CHAINAGE: 50.000 m



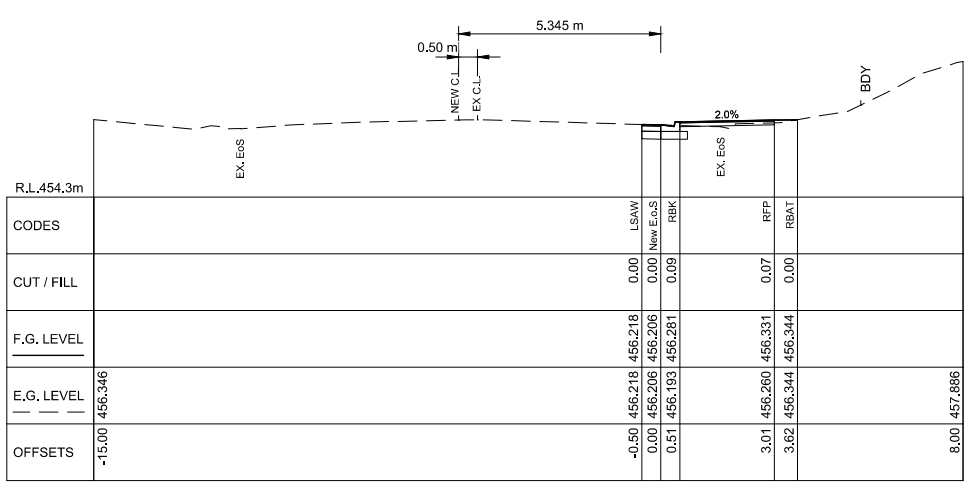
CHAINAGE: 80.000 m



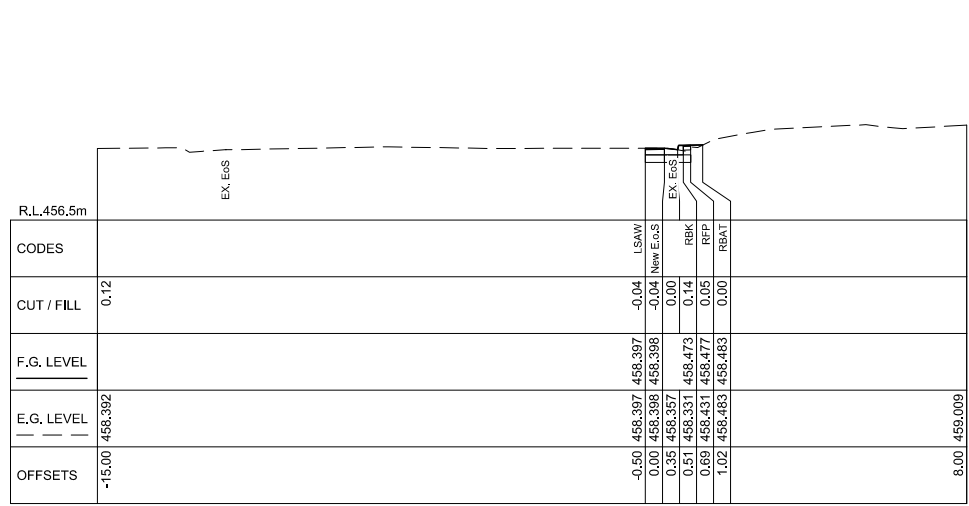
CHAINAGE: 10.000 m



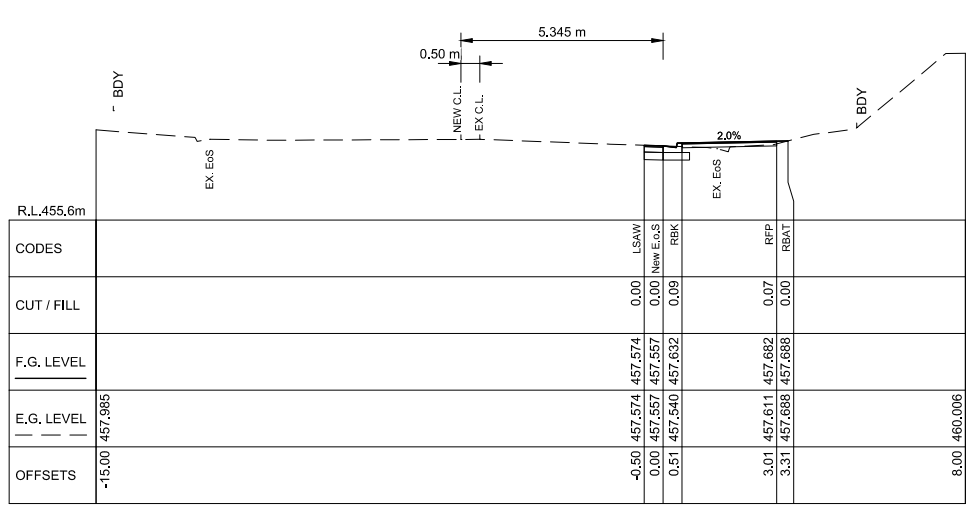
CHAINAGE: 40.000 m



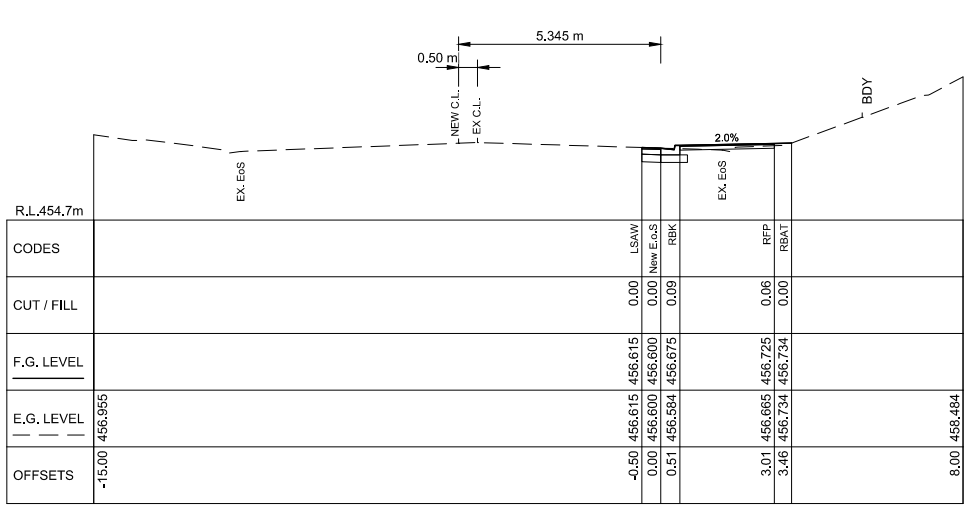
CHAINAGE: 70.000 m



CHAINAGE: 0.000 m



CHAINAGE: 30.000 m



CHAINAGE: 60.000 m

1:100 @ A1
1:200 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-08-02
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C	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



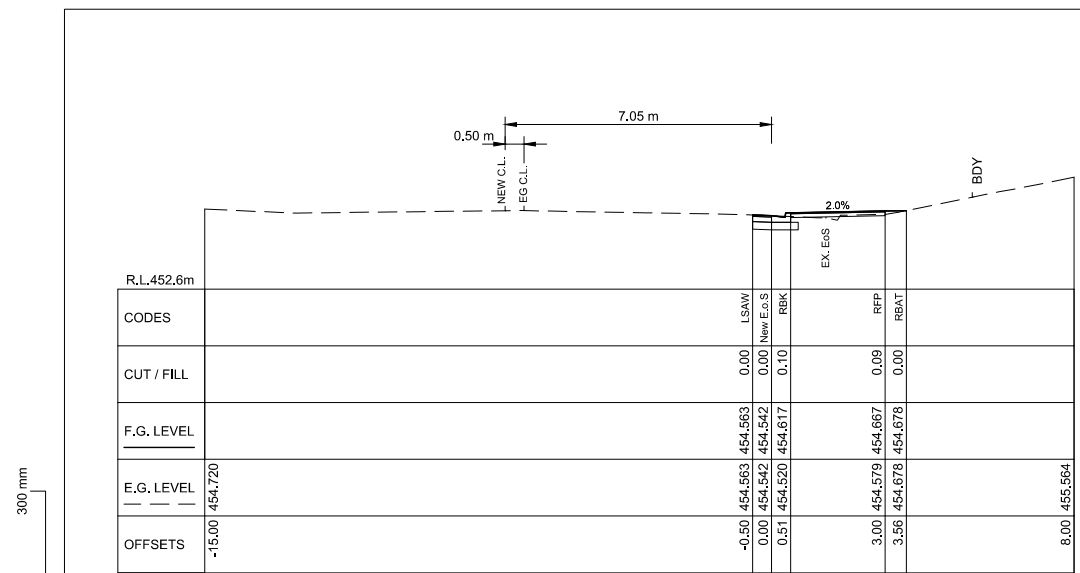
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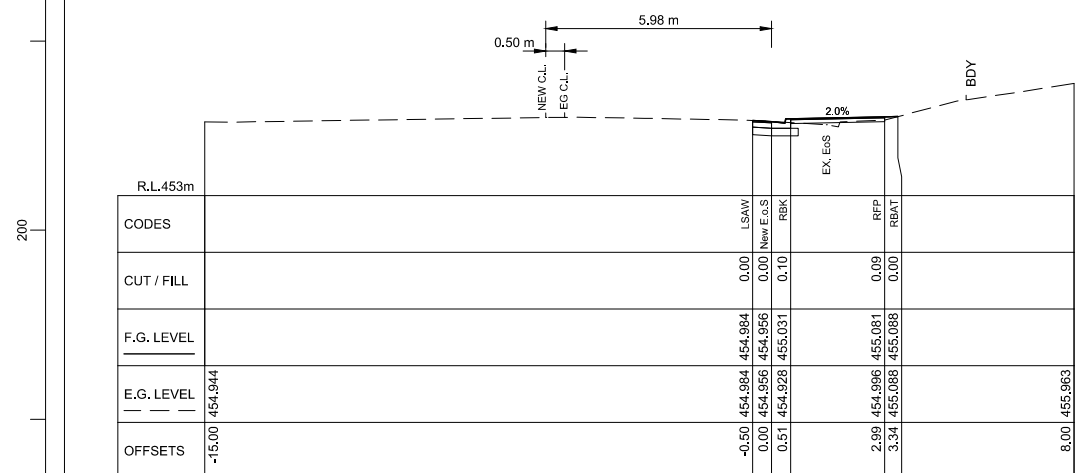
SCALES		ORIGINAL SIZE
1:100 (A1), 1:200 (A3)		A1
DRAWN	DESIGNED	APPROVED
B MULHOLLAND	B MULHOLLAND	R.GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S.FORBES	S.SHERLAW	2021-07-09

FOR TENDER

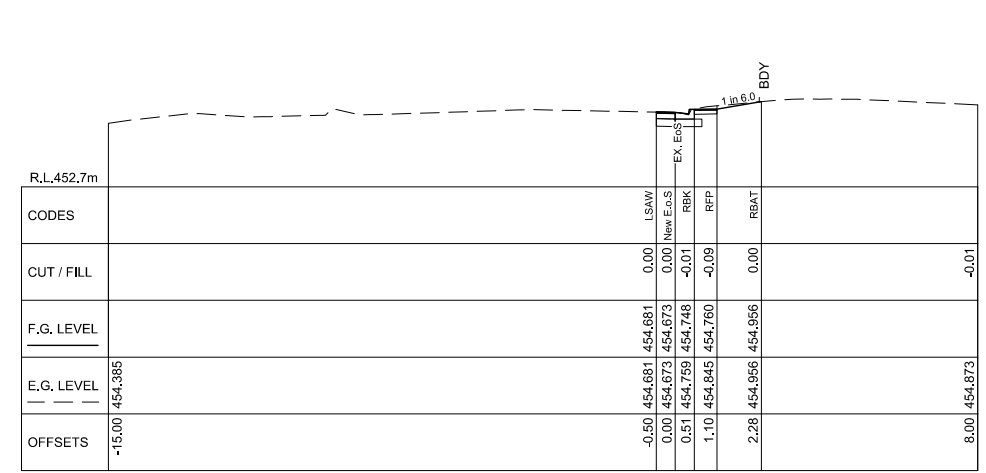
PROJECT			
QUEENSTOWN LAKES DISTRICT COUNCIL			
WAKATIPU ACTIVE TRAVEL			
WATN STAGE 2 ROUTES - ROUTE B2			
TITLE			
NEW EoS - BROADVIEW RISE TO LORDENS PLACE			
CROSS SECTIONS CHA. 0m TO 80m			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-XQ141.00	6-XQ141-WSP-01-B2-DR	C241	C



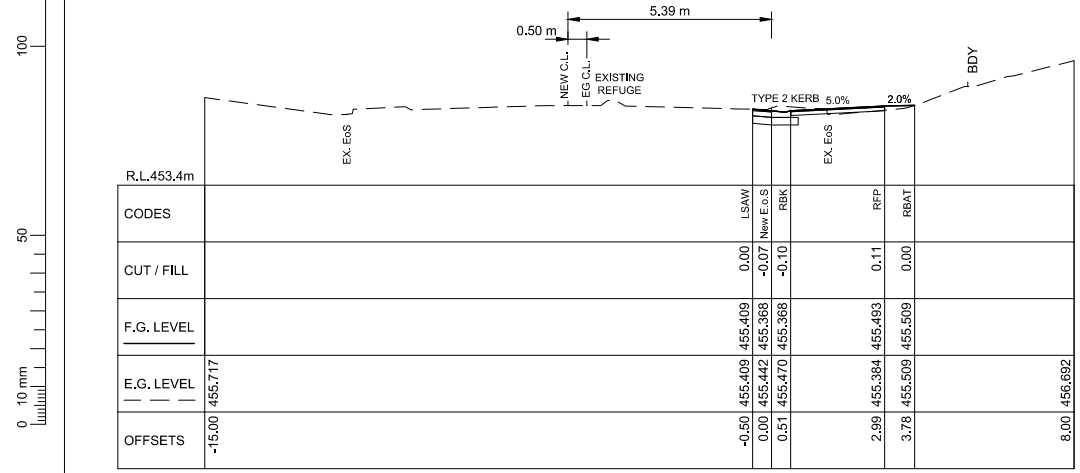
CHAINAGE: 110.000 m



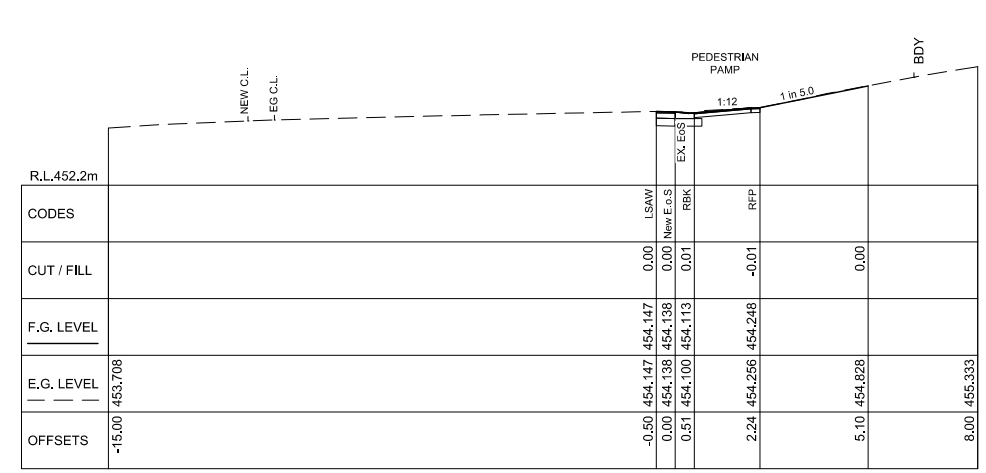
CHAINAGE: 100.000 m



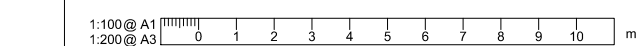
CHAINAGE: 126.596 m



CHAINAGE: 90.000 m



CHAINAGE: 120.000 m



REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-08-02
B	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S	2021-08-30
C	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



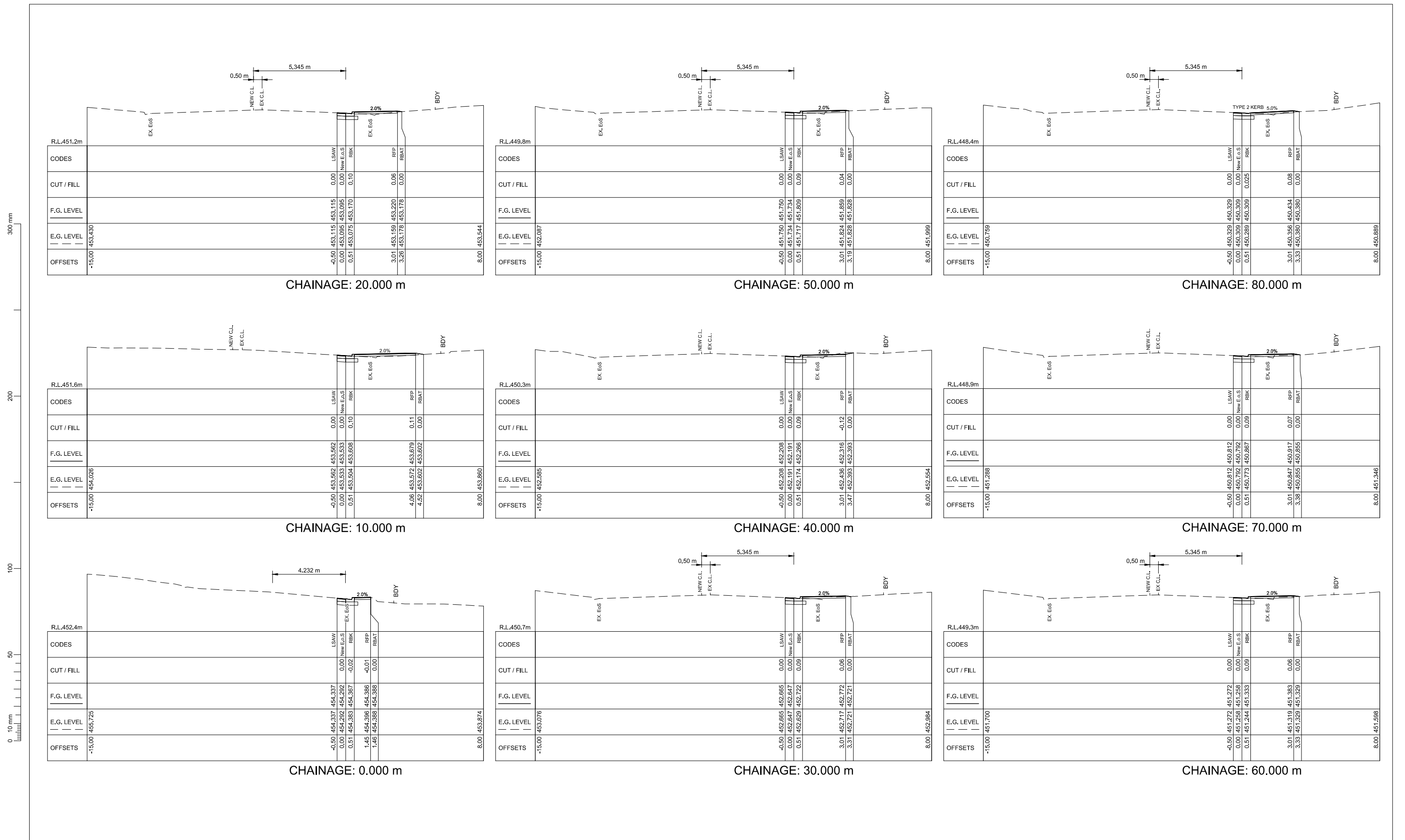
wsp
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Queenstown 9300
New Zealand

CIVIL

SCALES		ORIGINAL SIZE
1:100 (A1), 1:200 (A3)		A1
DRAWN	DESIGNED	APPROVED
B MULHOLLAND	B MULHOLLAND	R.GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S.FORBES	S.SHERLAW	2021-07-09

FOR TENDER

PROJECT			
QUEENSTOWN LAKES DISTRICT COUNCIL			
WAKATIPU ACTIVE TRAVEL			
WATN STAGE 2 ROUTES - ROUTE B2			
TITLE			
NEW EoS - BROADVIEW RISE TO LORDENS PLACE			
CROSS SECTIONS CHA. 90m TO 126.59m			
WSP PROJECT NO.		SHEET NO.	REVISION
6-XQ141.00		C242	C
PROJ-ORIG-VOL-LOC-TYPE			
6-XQ141-WSP-01-B2-DR			



1:100 @ A1
1:200 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-08-02
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C	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



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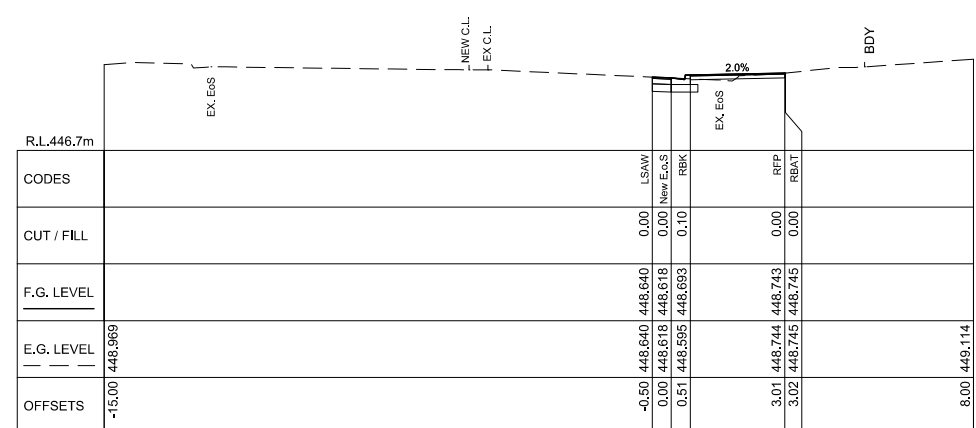
CIVIL

SCALES		ORIGINAL SIZE
1:100 (A1), 1:200 (A3)		A1
DRAWN	DESIGNED	APPROVED
B MULHOLLAND	B MULHOLLAND	R.GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S.FORBES	S.SHERLAW	2021-07-09

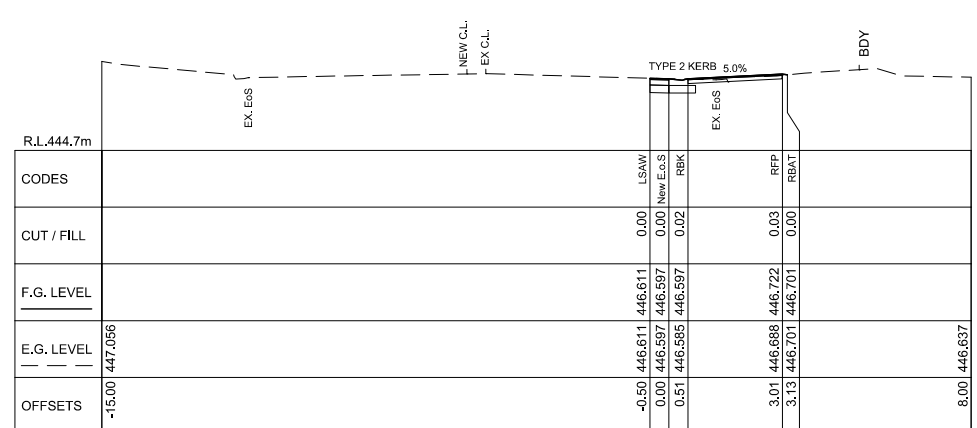
FOR TENDER

PROJECT			
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - ROUTE B2			
TITLE			
NEW EoS - LORDENS PLACE TO RICHARDS PARK LANE CROSS SECTIONS CHA. 0m TO 80m			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-XQ141.00	6-XQ141-WSP-01-B2-DR	C243	C

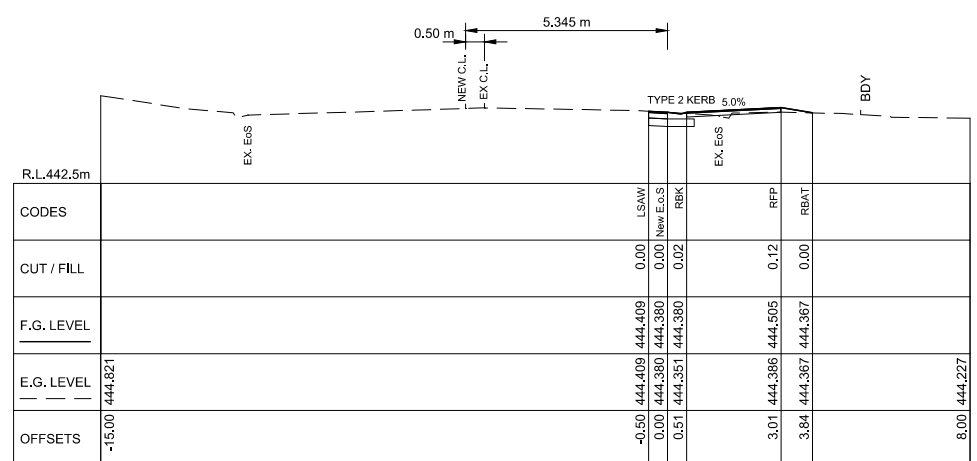
300 mm
200
100
50
0 10 mm



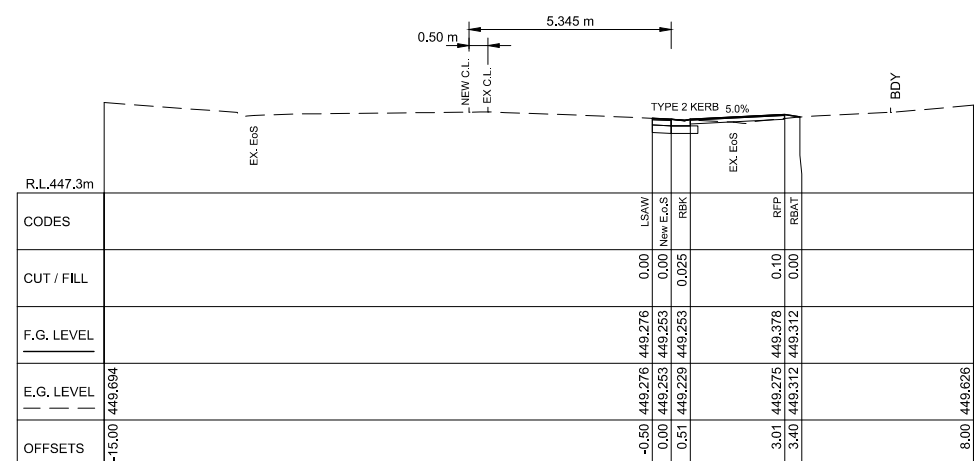
CHAINAGE: 110.000 m



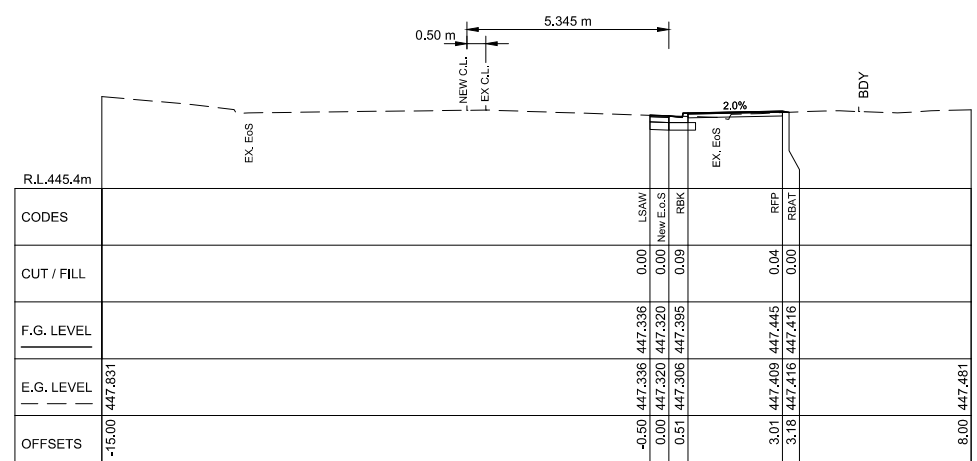
CHAINAGE: 140.000 m



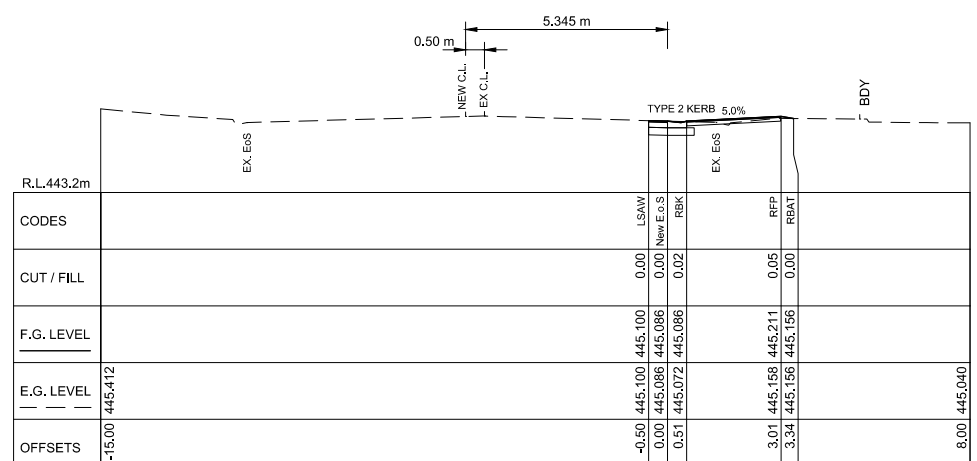
CHAINAGE: 170.000 m



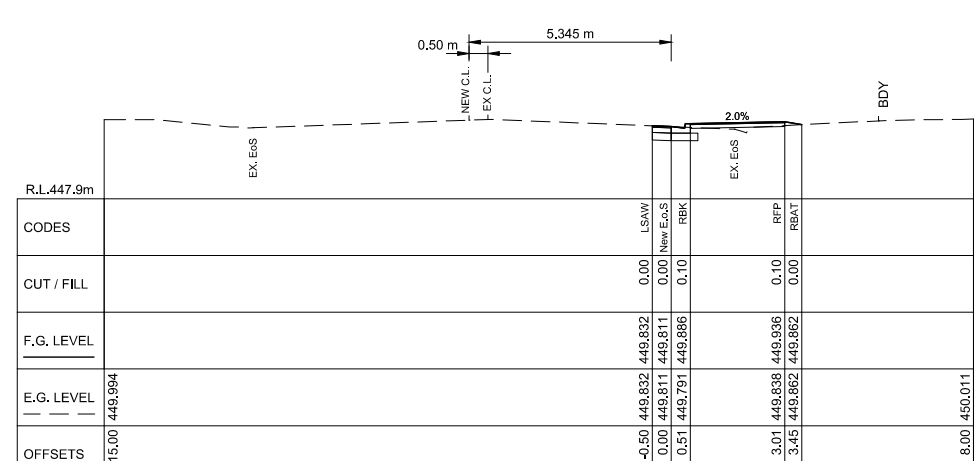
CHAINAGE: 100.000 m



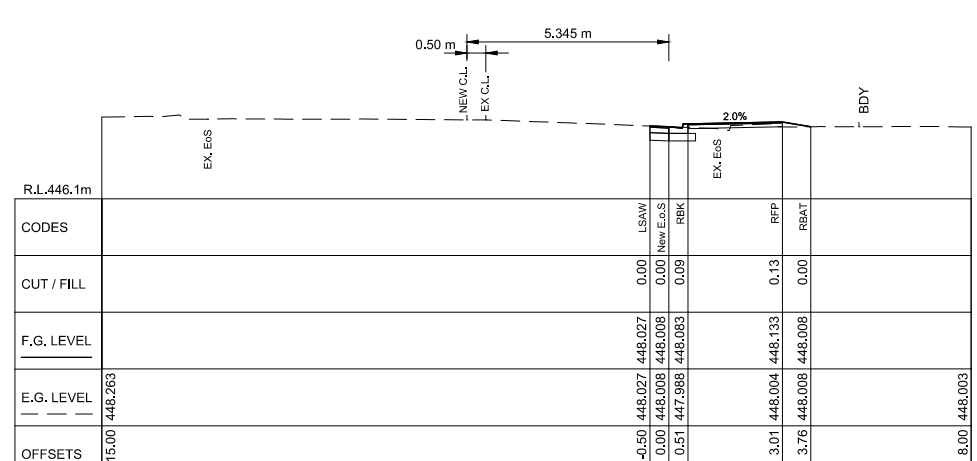
CHAINAGE: 130.000 m



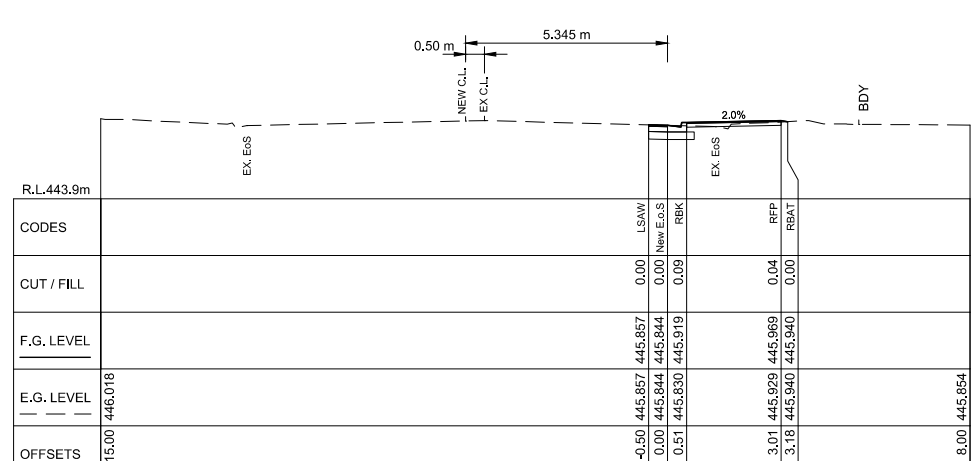
CHAINAGE: 160.000 m



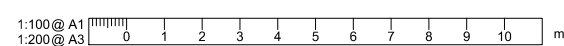
CHAINAGE: 90.000 m



CHAINAGE: 120.000 m



CHAINAGE: 150.000 m



REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-09-02
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C	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



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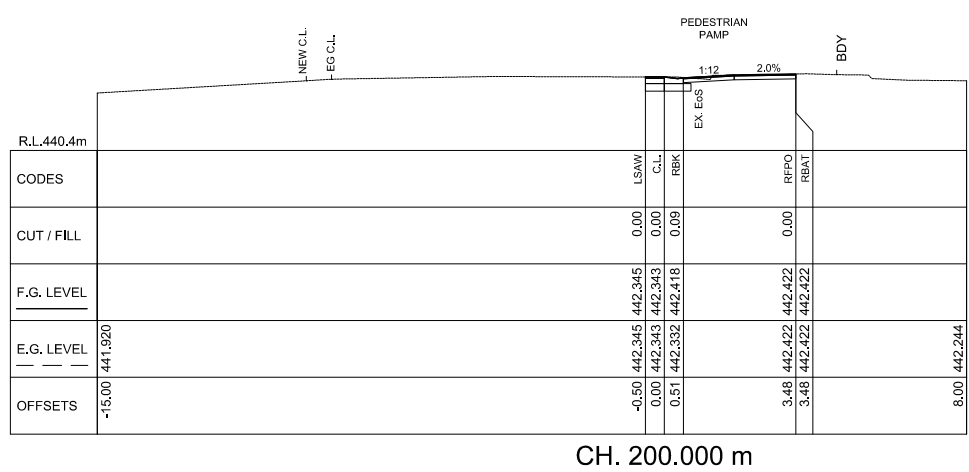
CIVIL

SCALES		ORIGINAL SIZE
1:100 (A1), 1:200 (A3)		A1
DRAWN	DESIGNED	APPROVED
B MULHOLLAND	B MULHOLLAND	R.GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S.FORBES	S.SHERLAW	2021-07-09

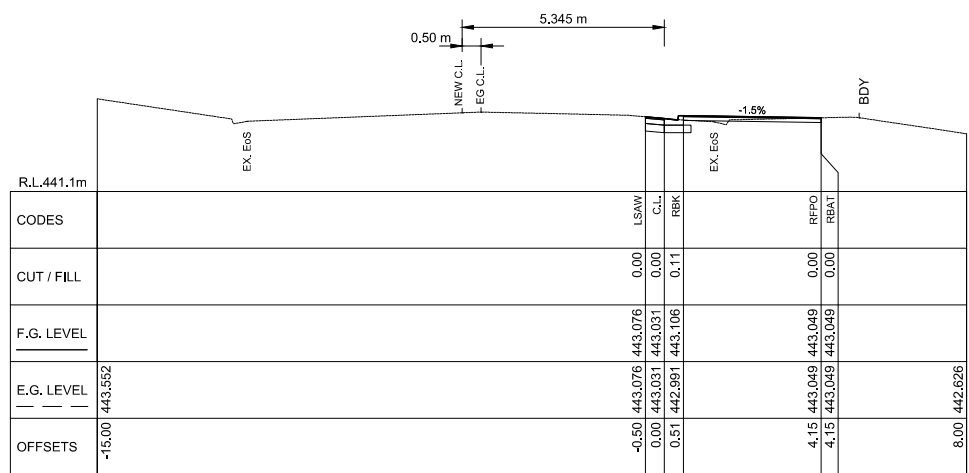
FOR TENDER

PROJECT			
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - ROUTE B2			
TITLE			
NEW EoS - LORDENS PLACE TO RICHARDS PARK LANE CROSS SECTIONS CHA. 90m TO 170m			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-XQ141.00	6-XQ141-WSP-01-B2-DR	C244	C

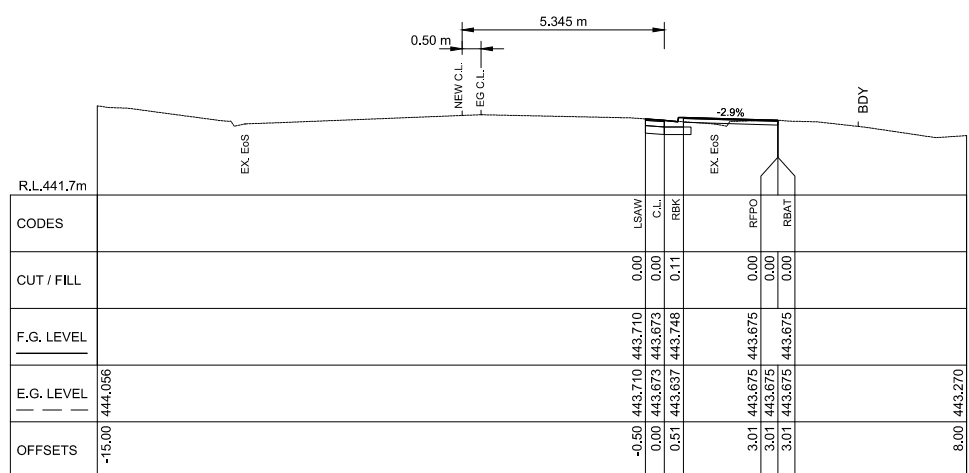
300 mm
200
100
50
0 10 mm



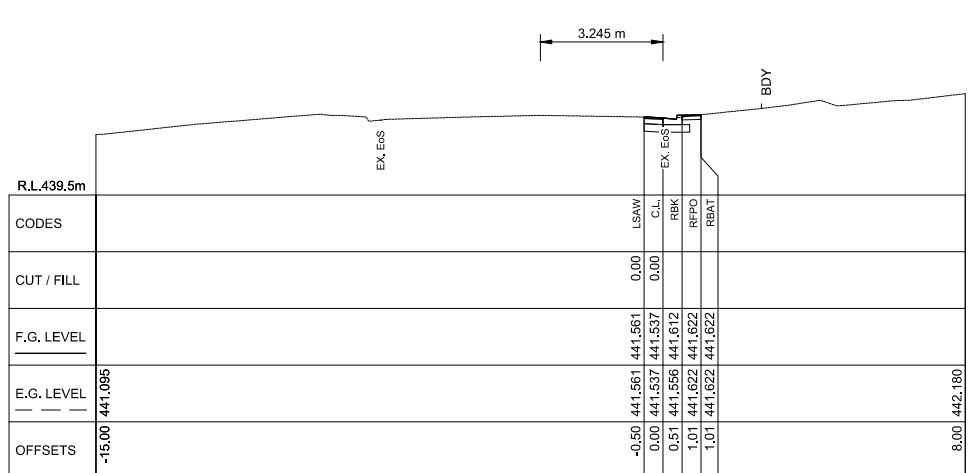
CH. 200.000 m



CH. 190.000 m



CH. 180.000 m



CH. 207.401 m

1:100 @ A1
1:200 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-08-02
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C	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



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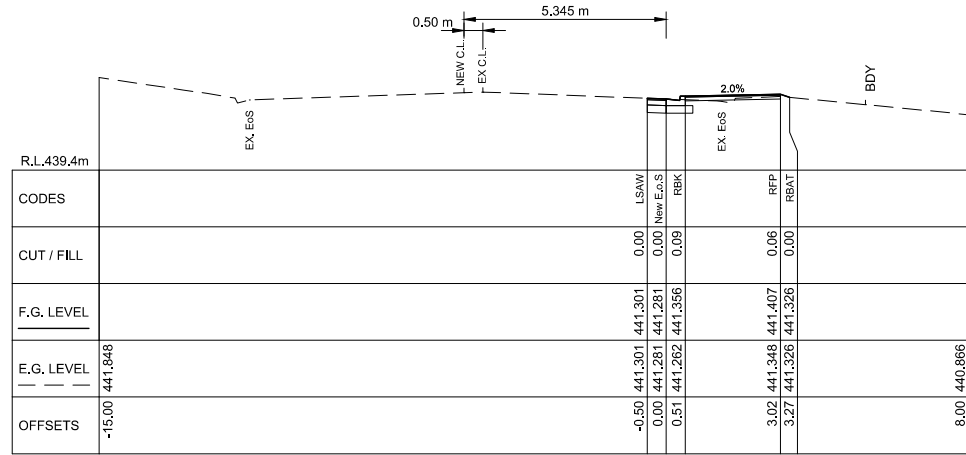
CIVIL

SCALES		ORIGINAL SIZE
1:100 (A1), 1:200 (A3)		A1
DRAWN	DESIGNED	APPROVED
B MULHOLLAND	B MULHOLLAND	R.GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S.FORBES	S.SHERLAW	2021-07-09

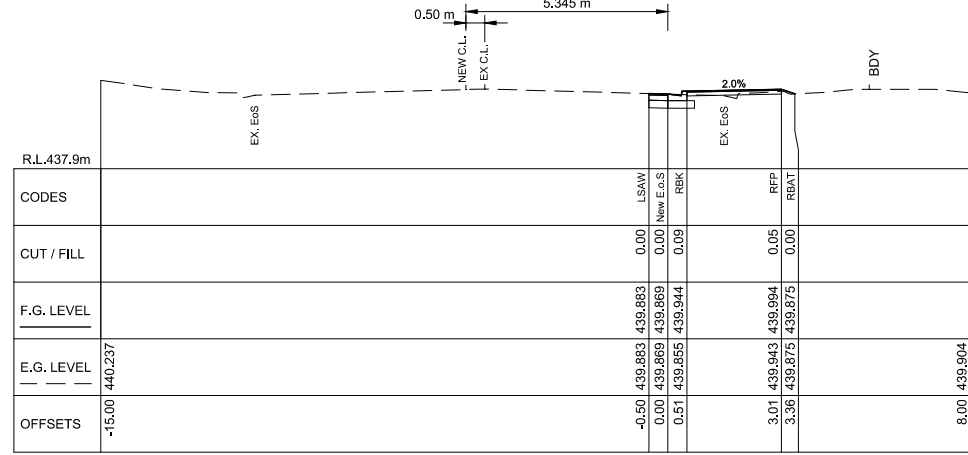
FOR TENDER

PROJECT		
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - ROUTE B2		
TITLE		
NEW EoS - LORDENS PLACE TO RICHARDS PARK LANE CROSS SECTIONS CHA. 180m TO 207.4m		
WSP PROJECT NO.		
6-XQ141.00	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.
	6-XQ141-WSP-01-B2-DR	C245
REVISION		
		C

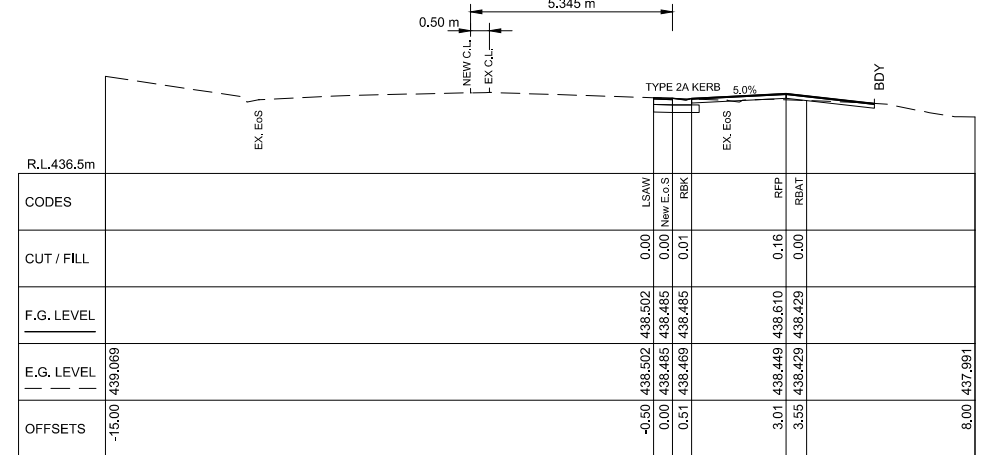
300 mm
200
100
50
0 10 mm



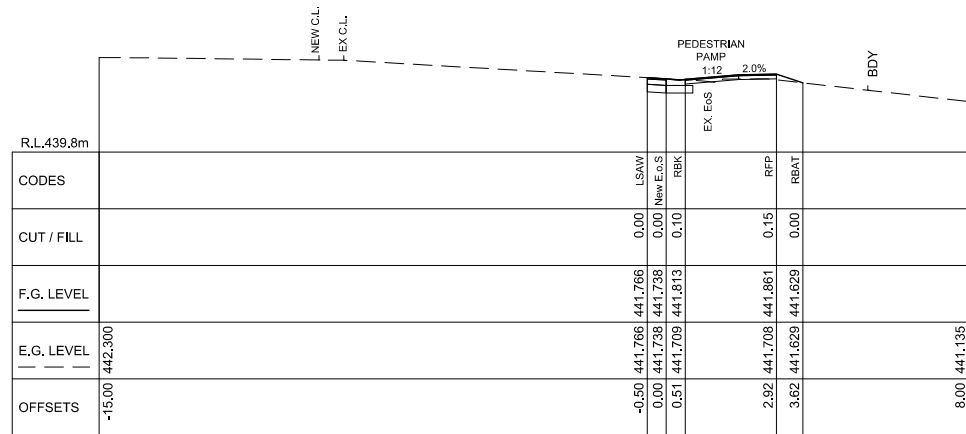
CHAINAGE: 20.000 m



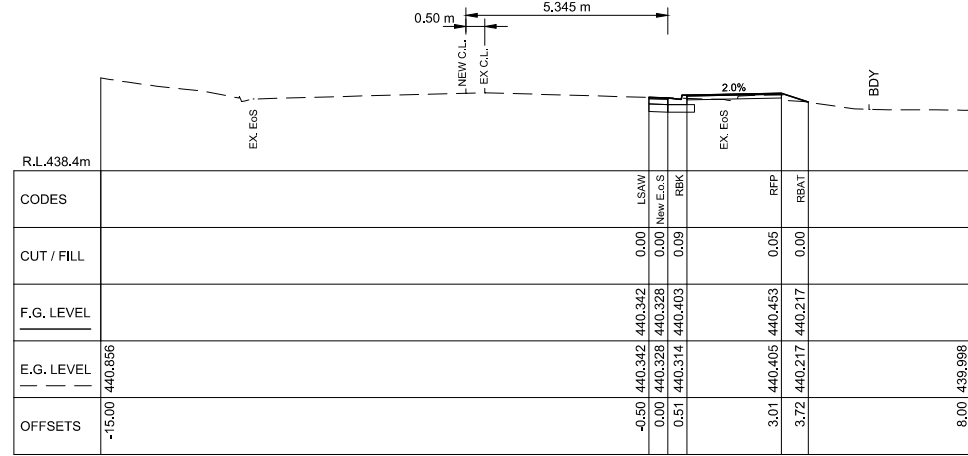
CHAINAGE: 50.000 m



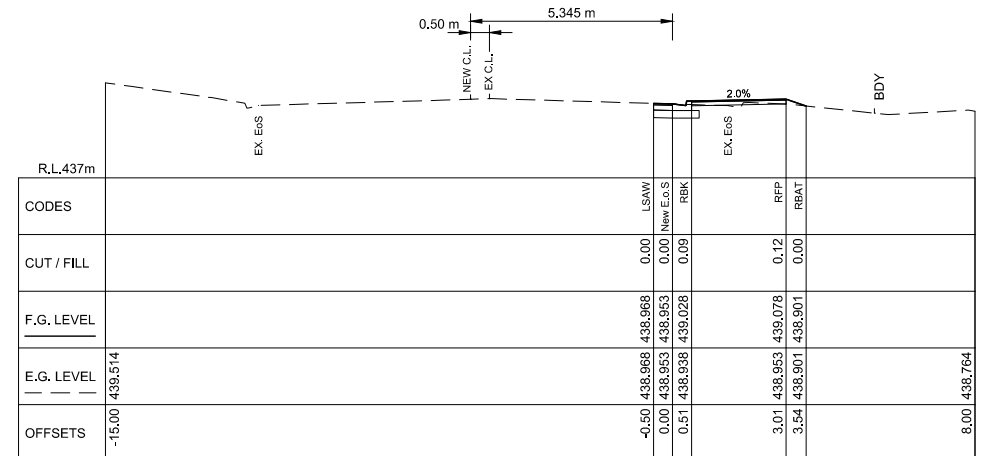
CHAINAGE: 80.000 m



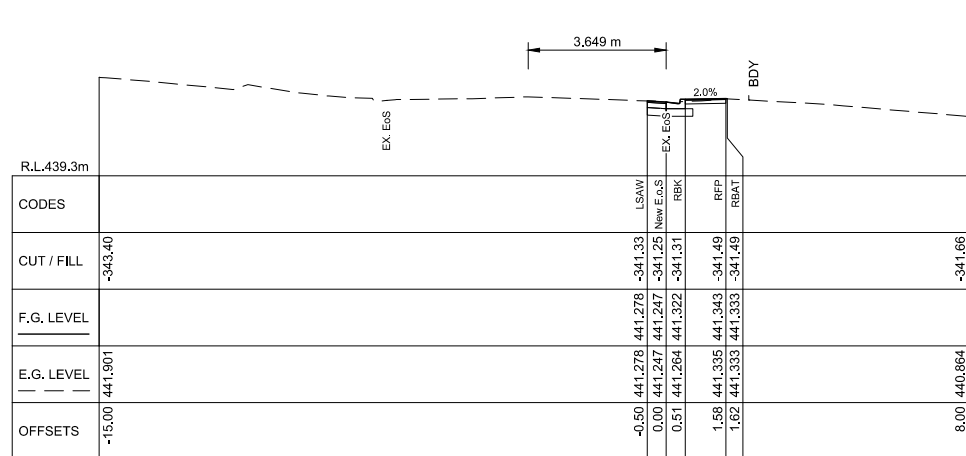
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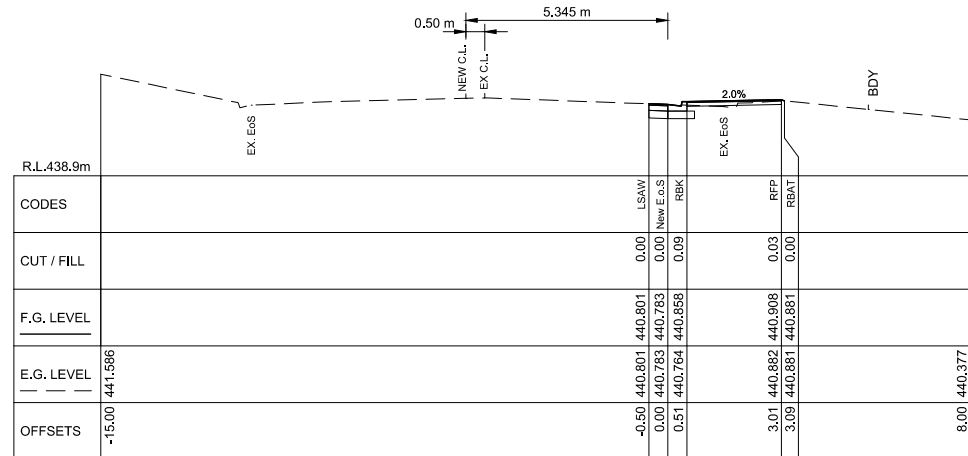
CHAINAGE: 40.000 m



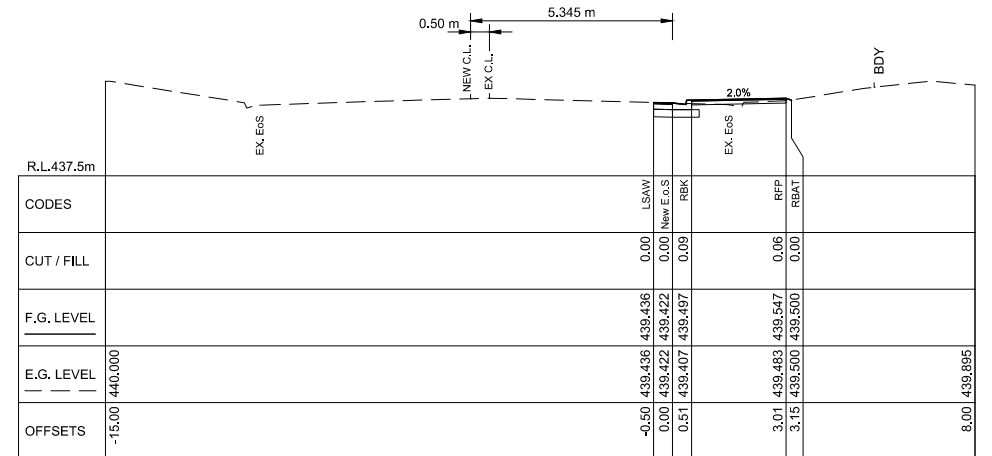
CHAINAGE: 70.000 m



CHAINAGE: 0.000 m



CHAINAGE: 30.000 m



CHAINAGE: 60.000 m

1:100 @ A1
1:200 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-08-02
B	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S	2021-08-30
C	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



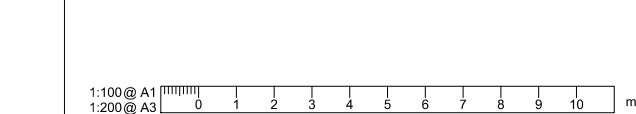
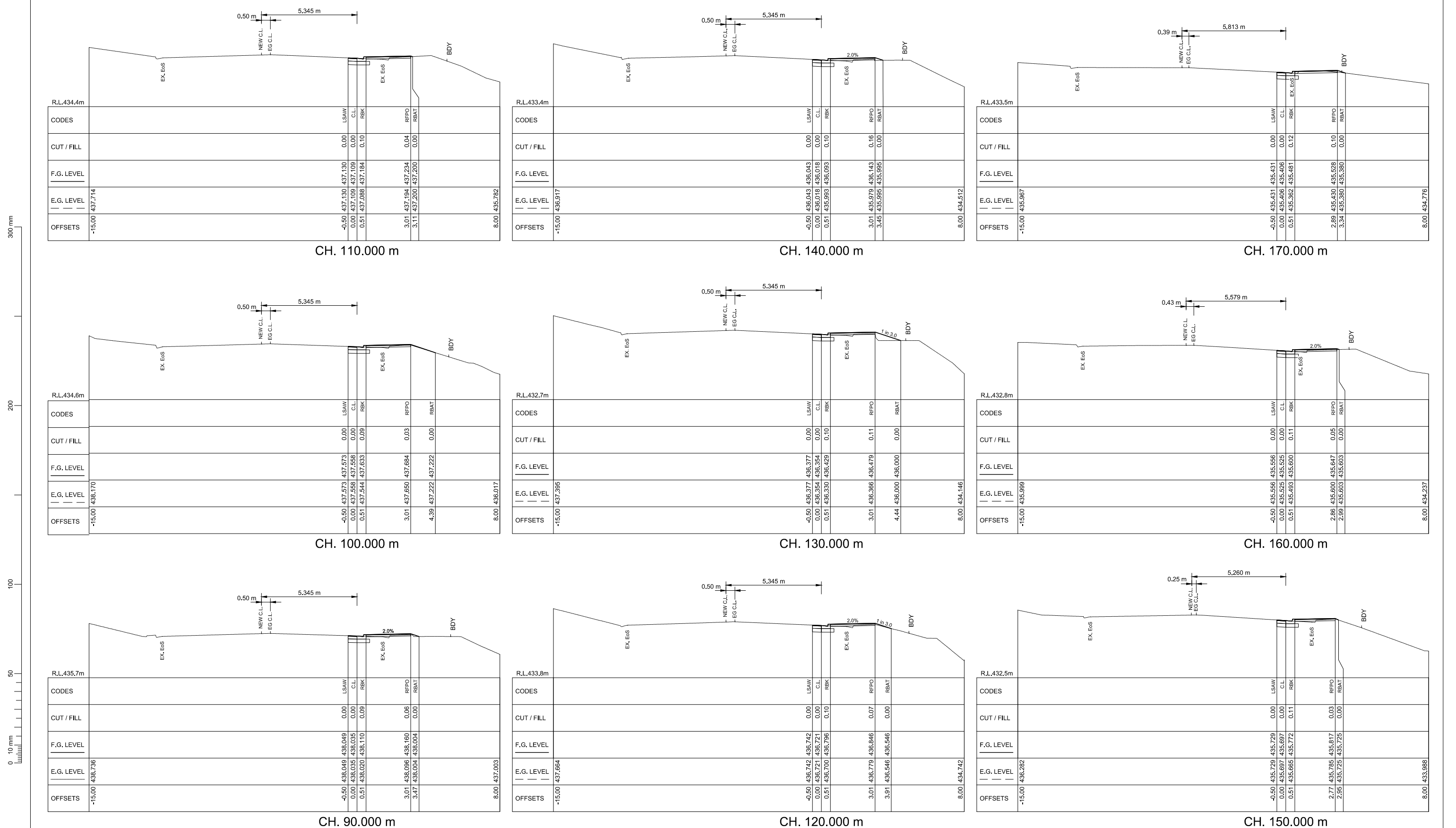
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Queenstown Office
+64 3 451 0360
PO Box 2323
Queenstown 9300
New Zealand

CIVIL

SCALES		ORIGINAL SIZE
1:100 (A1), 1:200 (A3)		A1
DRAWN	DESIGNED	APPROVED
B MULHOLLAND	B MULHOLLAND	R.GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S.FORBES	S.SHERLAW	2021-07-09

FOR TENDER

PROJECT		
QUEENSTOWN LAKES DISTRICT COUNCIL		
WAKATIPU ACTIVE TRAVEL		
WATN STAGE 2 ROUTES - ROUTE B2		
TITLE		
NEW EoS - RICHARD PARK LANE TO CAMERON PLACE		
CROSS SECTIONS CHA. 0m TO 80m		
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.
6-XQ141.00	6-XQ141-WSP-01-B2-DR	C246
		REVISION
		C



REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-08-02
B	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S	2021-08-30
C	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



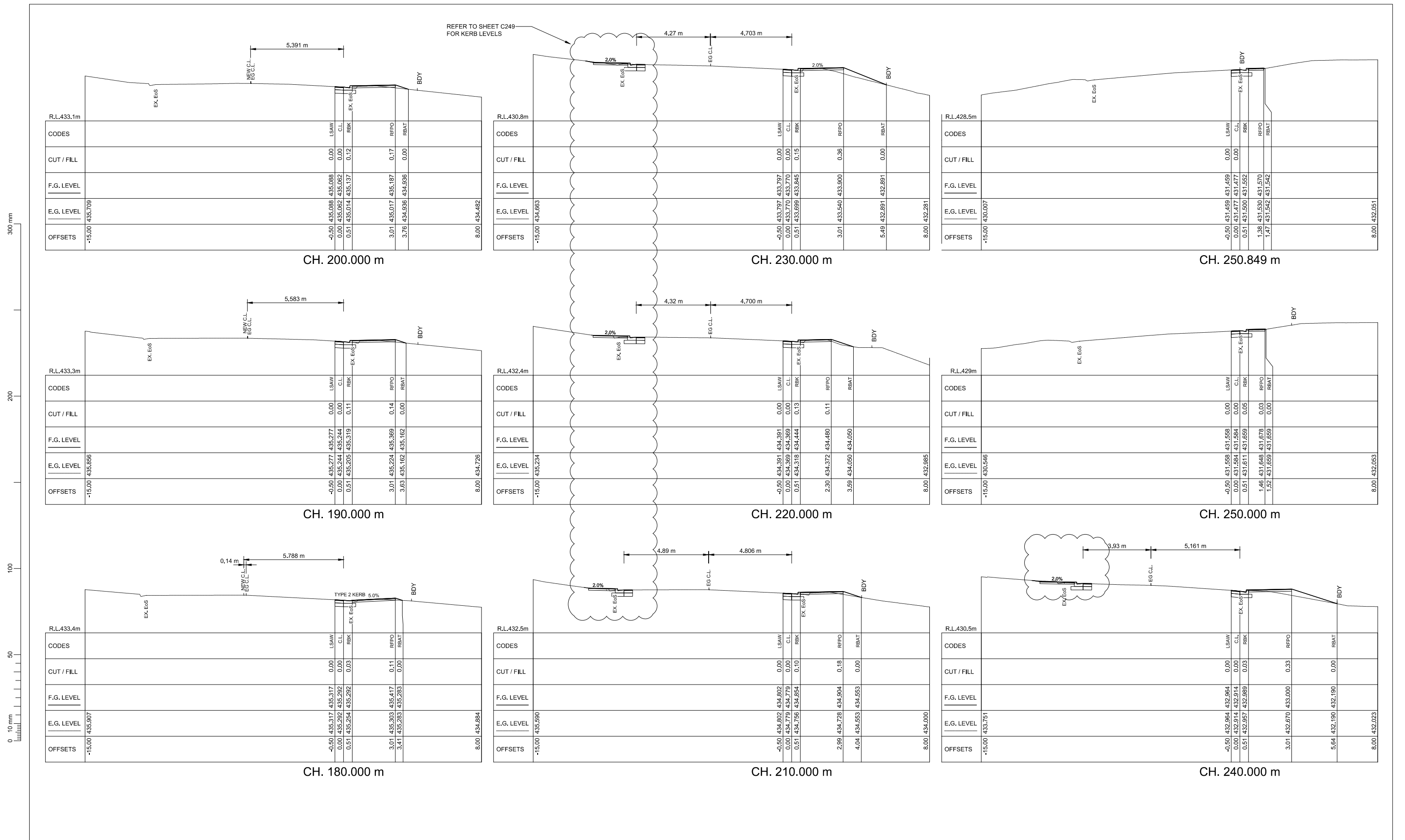
wsp
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 +64 3 451 0360
 PO Box 2323
 Queenstown 9300
 New Zealand

SCALES		ORIGINAL SIZE
1:100 (A1), 1:200 (A3)		A1
DRAWN	DESIGNED	APPROVED
B MULHOLLAND	B MULHOLLAND	R.GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S.FORBES	S.SHERLAW	2021-07-09

PROJECT
QUEENSTOWN LAKES DISTRICT COUNCIL
WAKATIPU ACTIVE TRAVEL
WATN STAGE 2 ROUTES - ROUTE B2

TITLE
NEW EoS - RICHARD PARK LANE TO CAMERON PLACE
CROSS SECTIONS CHA. 90m TO 170m

WSP PROJECT NO. 6-XQ141.00
 PROJ-ORIG-VOL-LOC-TYPE 6-XQ141-WSP-01-B2-DR
 SHEET NO. C247
 REVISION C



1:100 @ A1
1:200 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-08-02
B	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S	2021-08-30
C	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



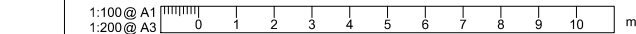
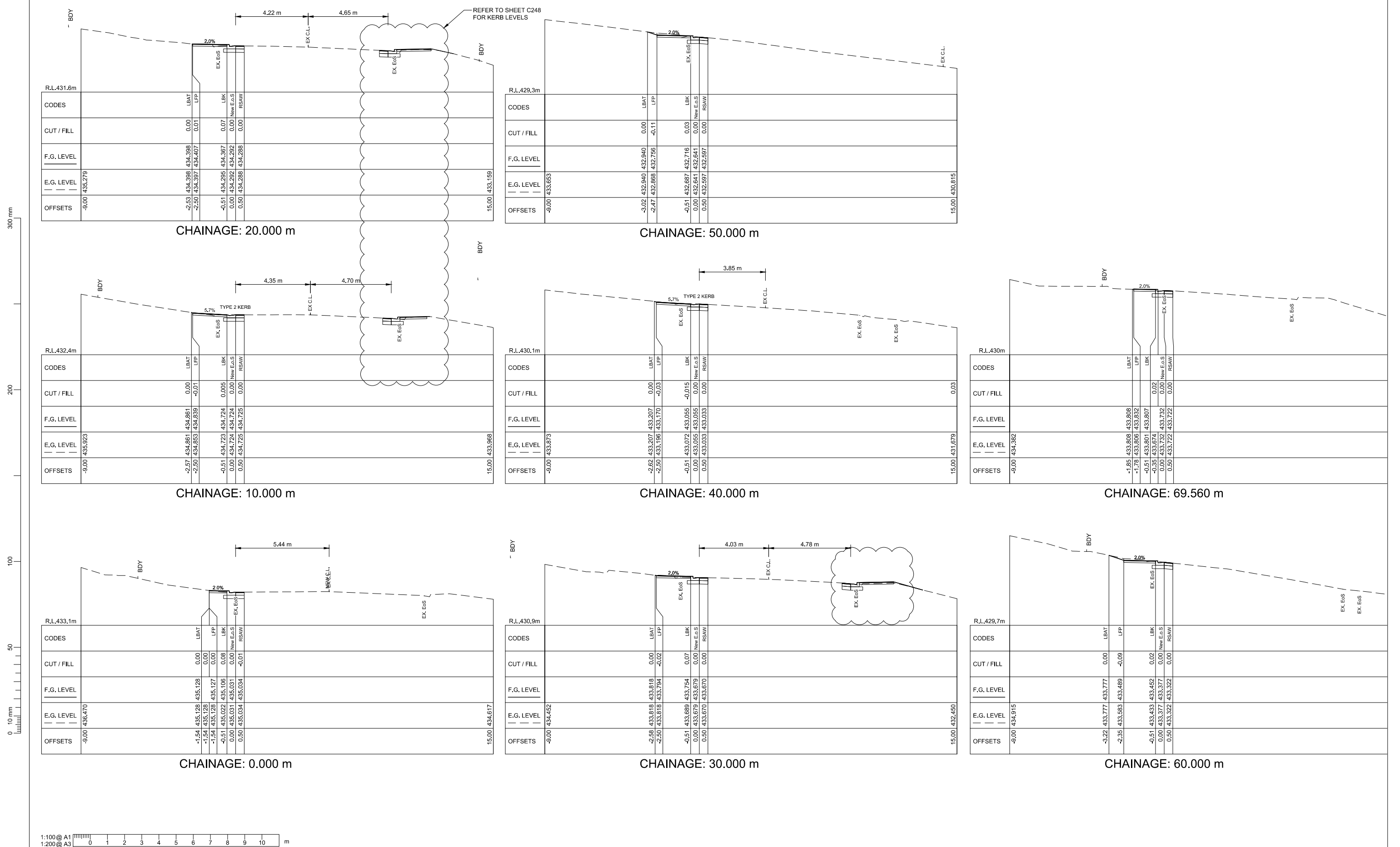
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New Zealand

CIVIL

SCALES		ORIGINAL SIZE
1:100 (A1), 1:200 (A3)		A1
DRAWN	DESIGNED	APPROVED
B MULHOLLAND	B MULHOLLAND	R.GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S.FORBES	S.SHERLAW	2021-07-09

FOR TENDER

PROJECT			
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - ROUTE B2			
TITLE			
NEW EoS - RICHARD PARK LANE TO CAMERON PLACE CROSS SECTIONS CHA. 190m TO 250.84m			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-XQ141.00	6-XQ141-WSP-01-B2-DR	C248	C



REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-08-02
B	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S	2021-08-30
C	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



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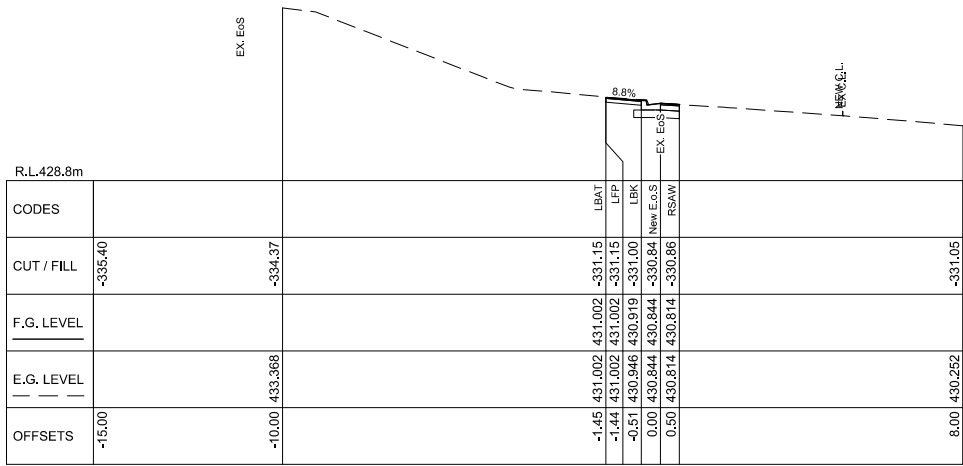
CIVIL

SCALES		ORIGINAL SIZE
1:100 (A1), 1:200 (A3)		A1
DRAWN	DESIGNED	APPROVED
B MULHOLLAND	B MULHOLLAND	R.GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S.FORBES	S.SHERLAW	2021-07-09

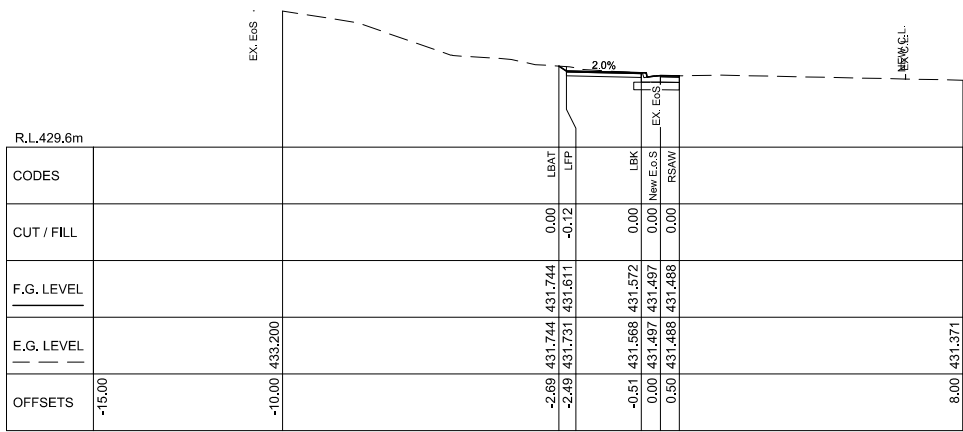
FOR TENDER

PROJECT		TITLE	
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - ROUTE B2		NEW EoS - CAMERON PLACE NW CORNER CROSS SECTIONS CHA. 190m TO 69.56m	
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-XQ141.00	6-XQ141-WSP-01-B2-DR	C249	C

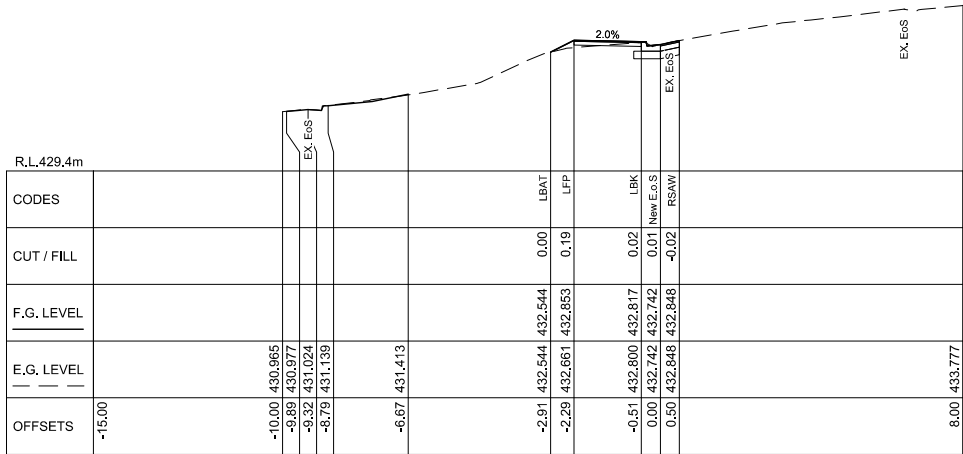
300 mm
200
100
50
0 10 mm



CHAINAGE: 16.231 m



CHAINAGE: 10.000 m



CHAINAGE: 0.000 m

1:100 @ A1
1:200 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-09-02
B	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S	2021-08-30
C	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



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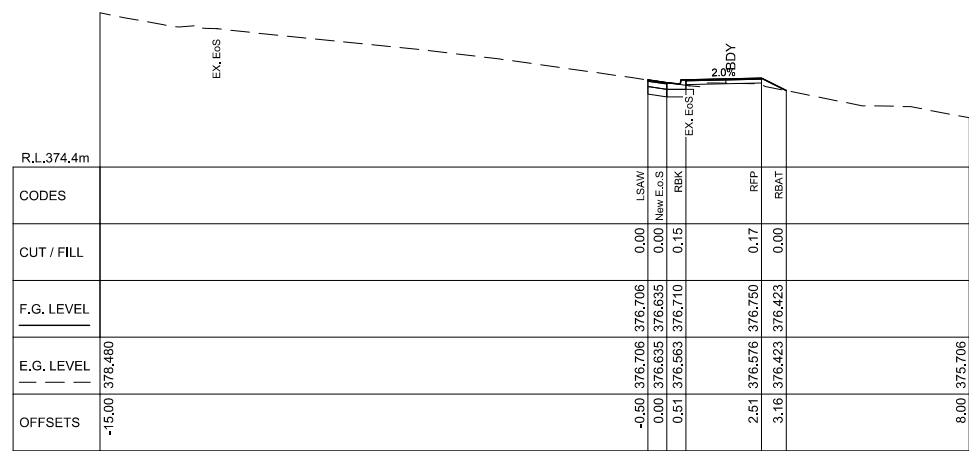
CIVIL

SCALES		ORIGINAL SIZE
1:100 (A1), 1:200 (A3)		A1
DRAWN	DESIGNED	APPROVED
B MULHOLLAND	B MULHOLLAND	R.GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S.FORBES	S.SHERLAW	2021-07-09

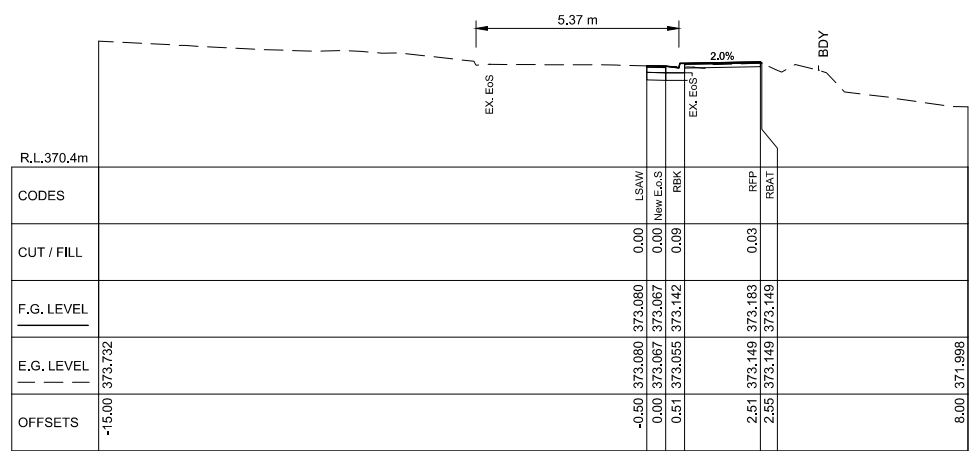
FOR TENDER

PROJECT			
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - ROUTE B2			
TITLE			
NEW EoS - CAMERON PLACE NE CORNER CROSS SECTIONS CHA. 0m TO 16.23m			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-XQ141.00	6-XQ141-WSP-01-B2-DR	C250	C

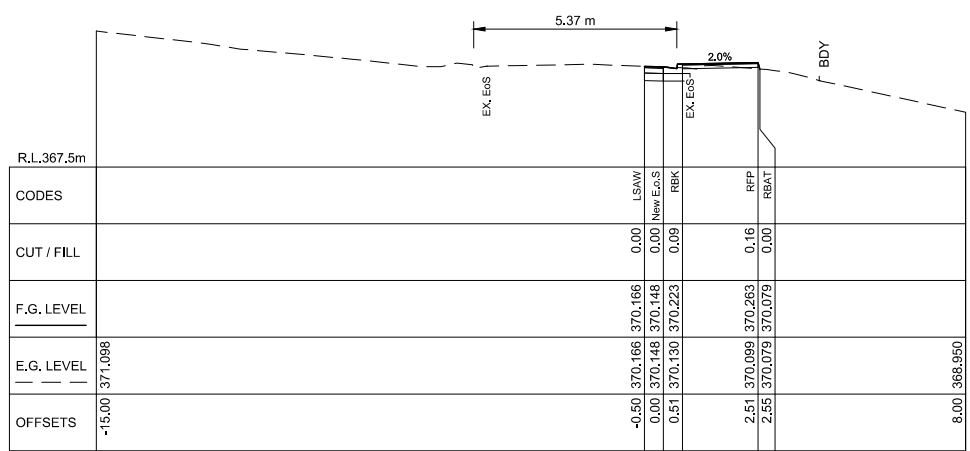
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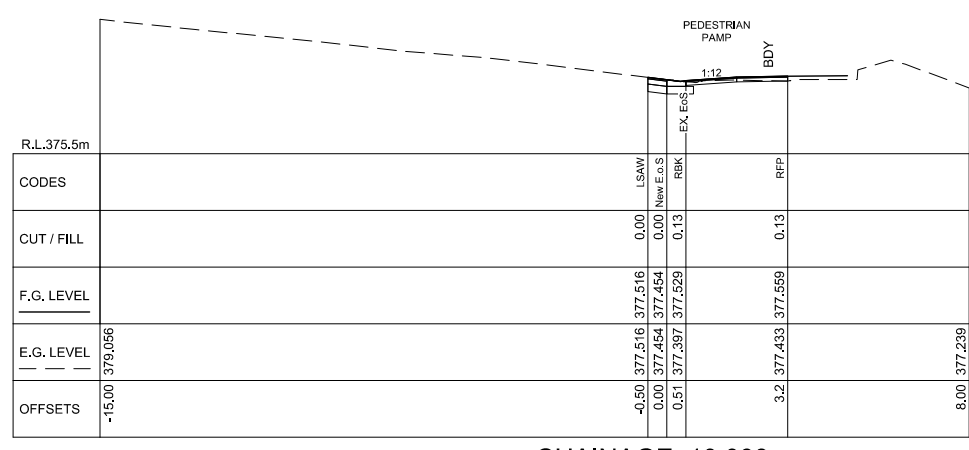
CHAINAGE: 20.000 m



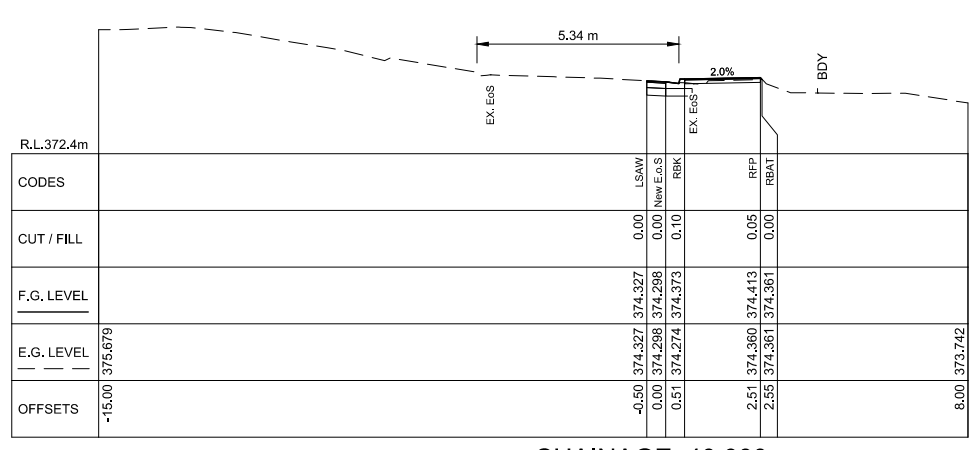
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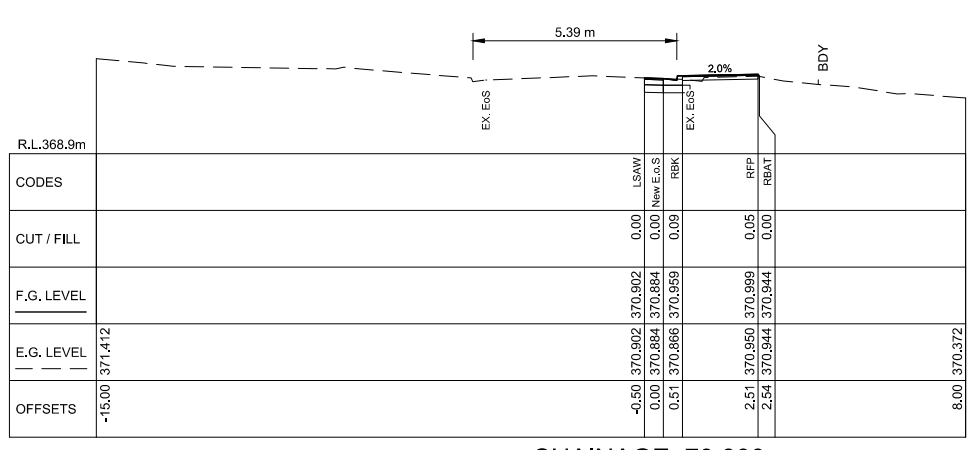
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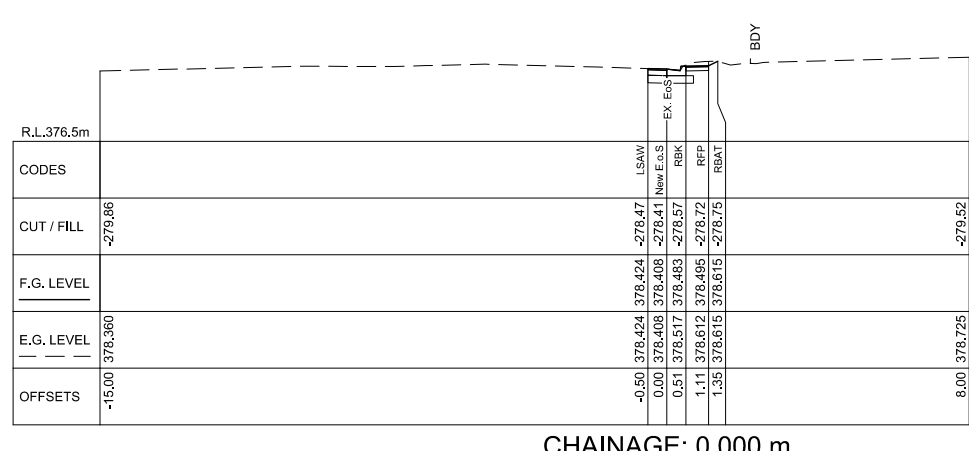
CHAINAGE: 10.000 m



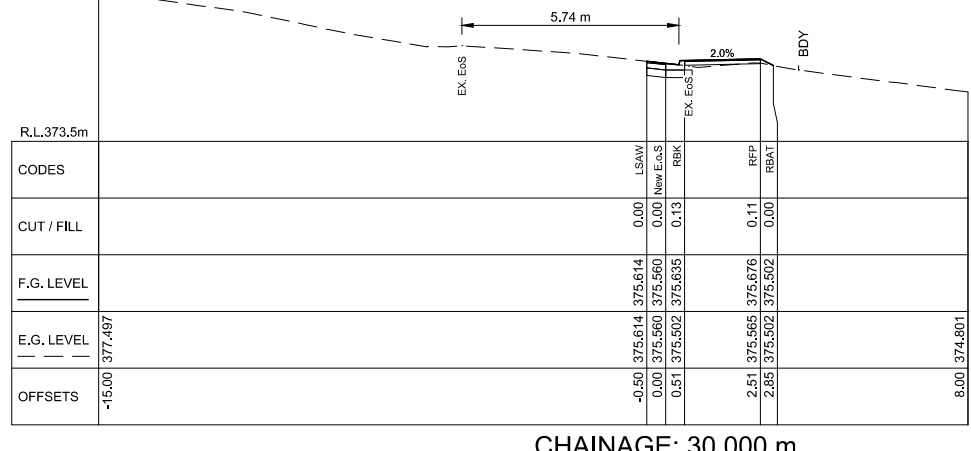
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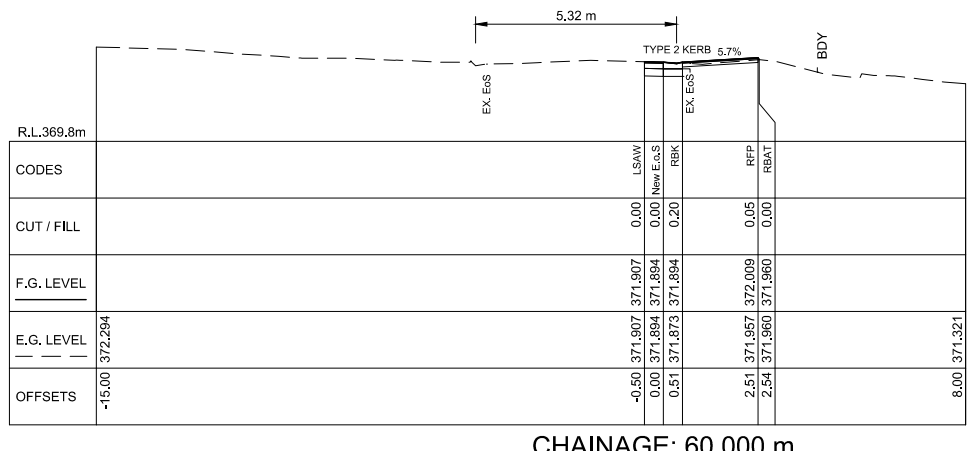
CHAINAGE: 70.000 m



CHAINAGE: 0.000 m



CHAINAGE: 30.000 m



CHAINAGE: 60.000 m

1:100 @ A1
1:200 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-08-02
B	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S	2021-08-30
C	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



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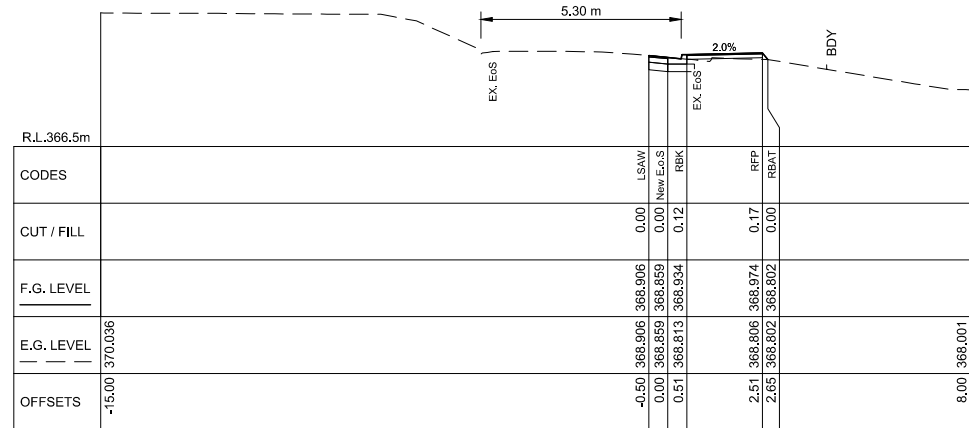
CIVIL

SCALES		ORIGINAL SIZE
1:100 (A1), 1:200 (A3)		A1
DRAWN	DESIGNED	APPROVED
B MULHOLLAND	B MULHOLLAND	R.GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S.FORBES	S.SHERLAW	2021-07-09

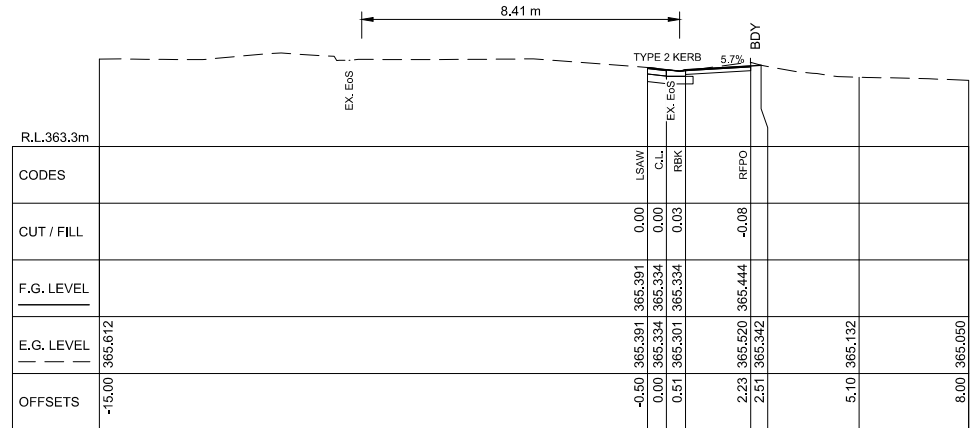
FOR TENDER

PROJECT		
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - ROUTE B2		
TITLE		
NEW EoS - THOMPSON STREET CROSS SECTIONS CHA. 0m TO 80m		
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.
6-XQ141.00	6-XQ141-WSP-01-B2-DR	C251
		REVISION
		C

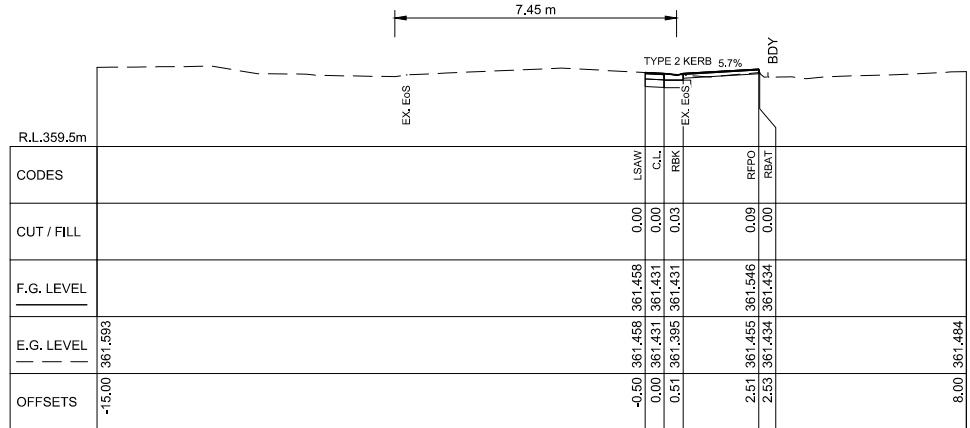
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200
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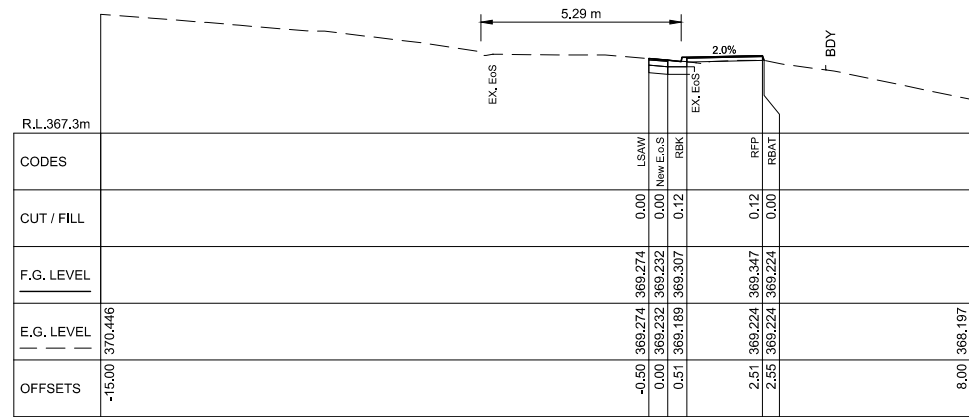
CHAINAGE: 110.000 m



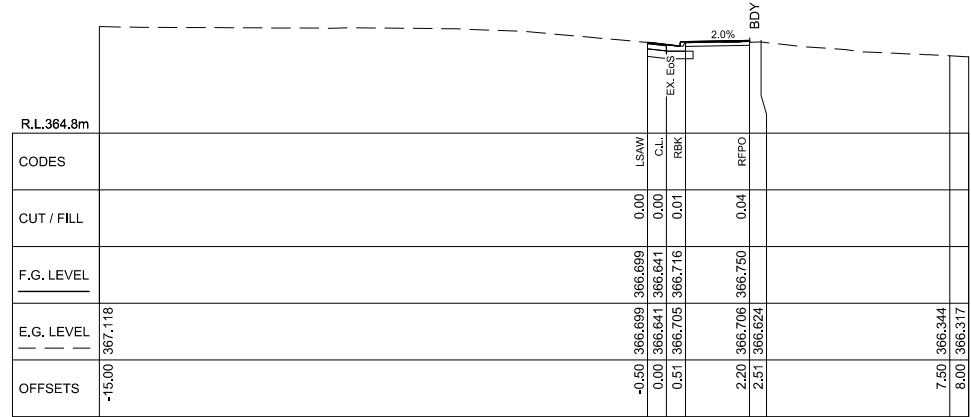
CH. 140.000 m



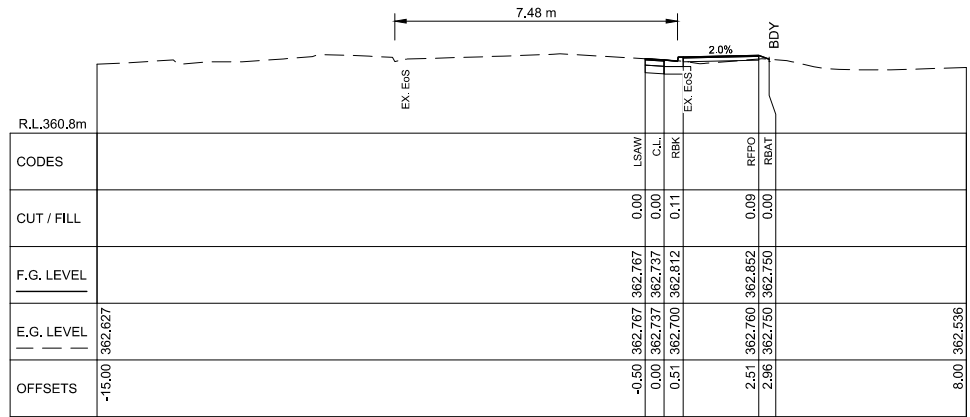
CH. 170.000 m



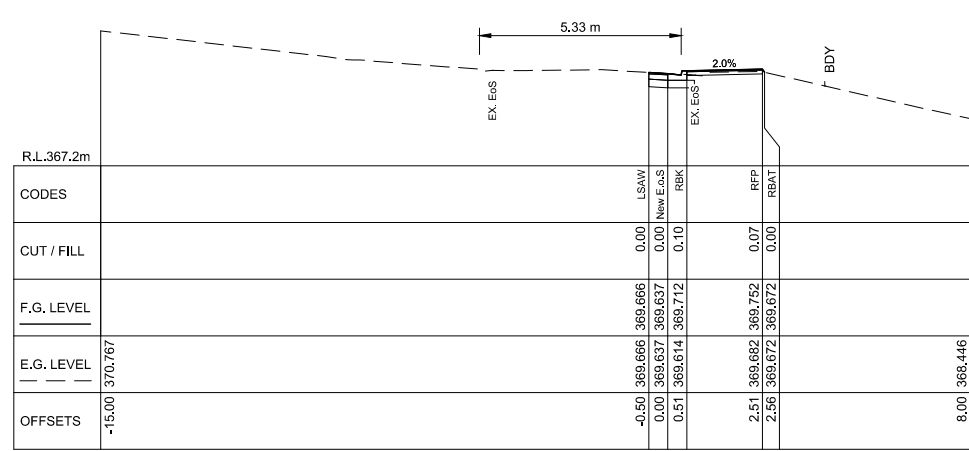
CHAINAGE: 100.000 m



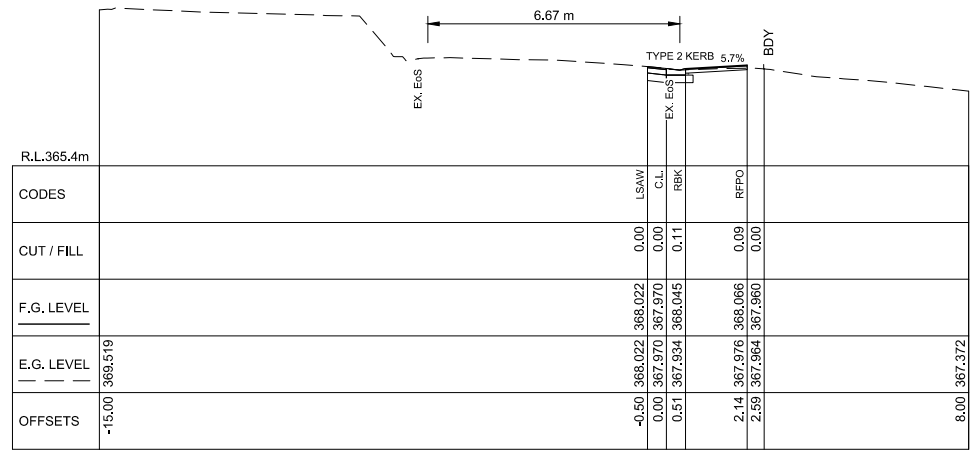
CH. 130.000 m



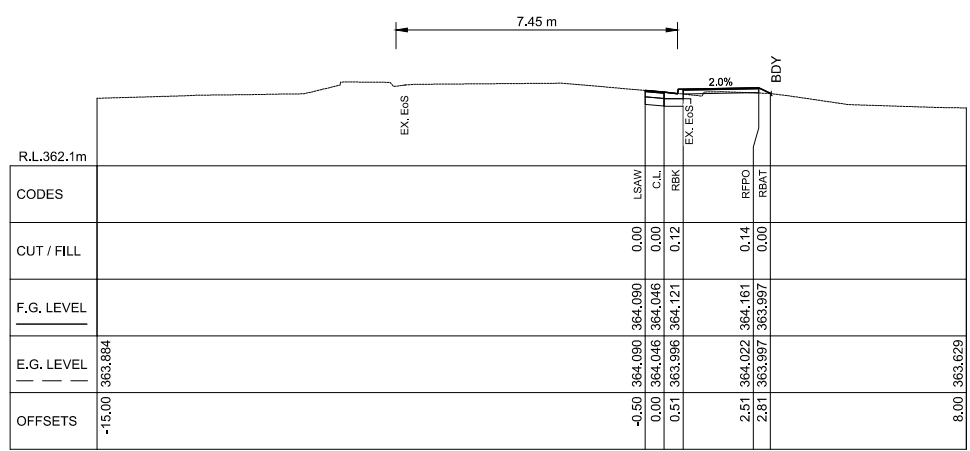
CH. 160.000 m



CHAINAGE: 90.000 m



CH. 120.000 m



CH. 150.000 m

1:100 @ A1
1:200 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-09-02
B	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S	2021-09-30
C	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



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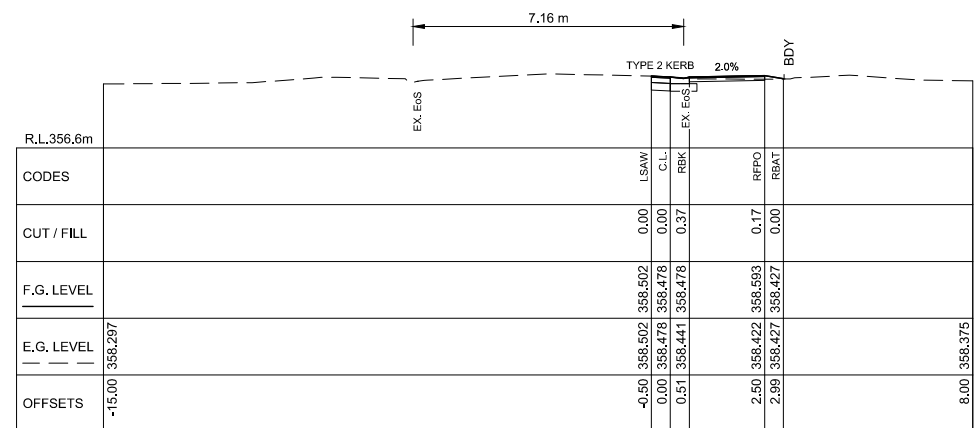
CIVIL

SCALES		ORIGINAL SIZE
1:100 (A1), 1:200 (A3)		A1
DRAWN	DESIGNED	APPROVED
B MULHOLLAND	B MULHOLLAND	R.GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S.FORBES	S.SHERLAW	2021-07-09

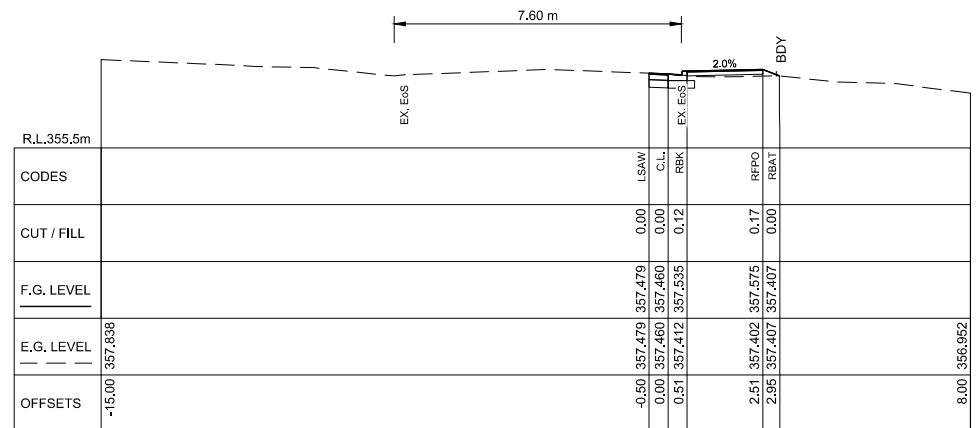
FOR TENDER

PROJECT			
QUEENSTOWN LAKES DISTRICT COUNCIL			
WAKATIPU ACTIVE TRAVEL			
WATN STAGE 2 ROUTES - ROUTE B2			
TITLE			
NEW EoS - THOMPSON STREET			
CROSS SECTIONS CHA. 90m TO 170m			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-XQ141.00	6-XQ141-WSP-01-B2-DR	C252	C

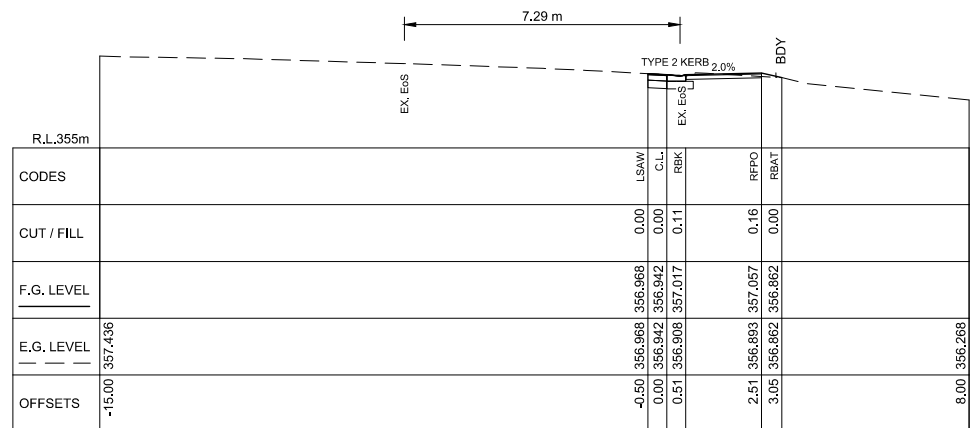
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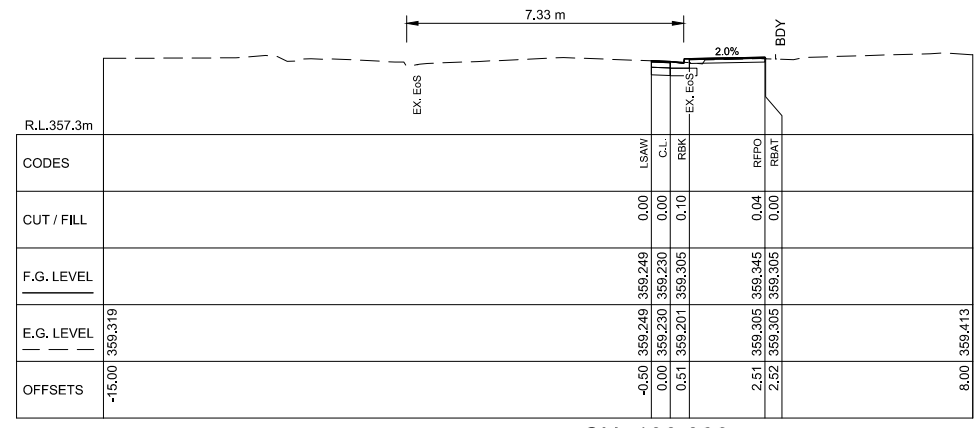
CH. 200.000 m



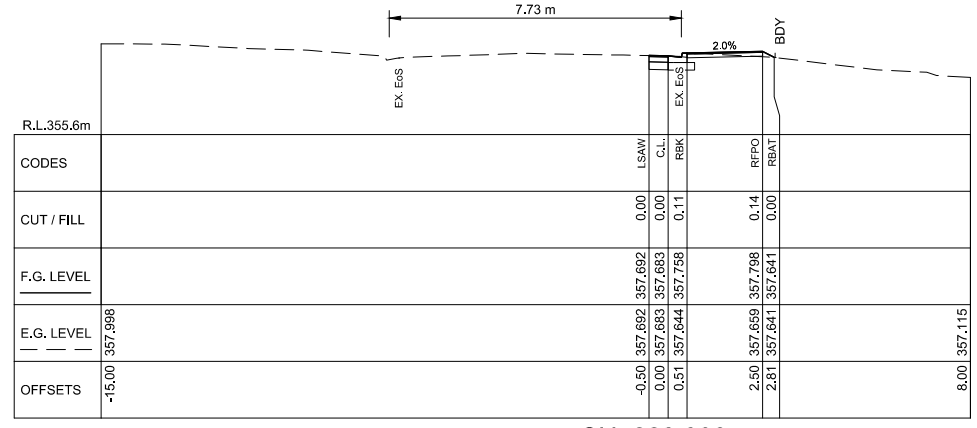
CH. 230.000 m



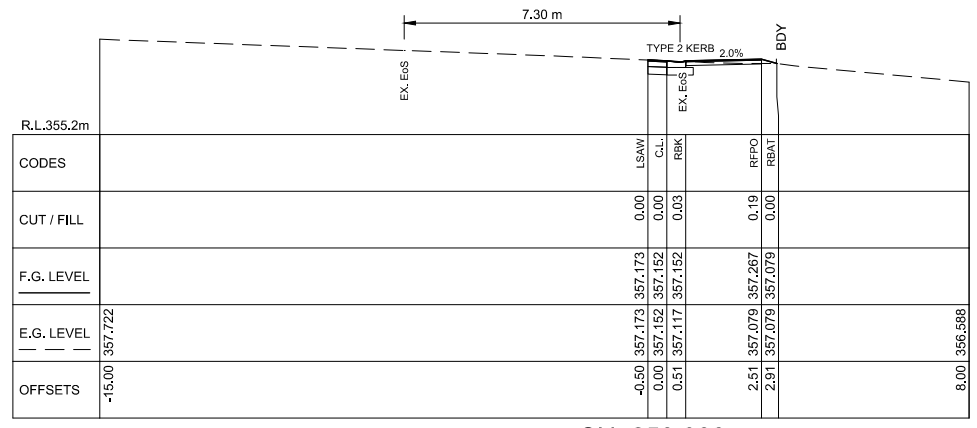
CH. 260.000 m



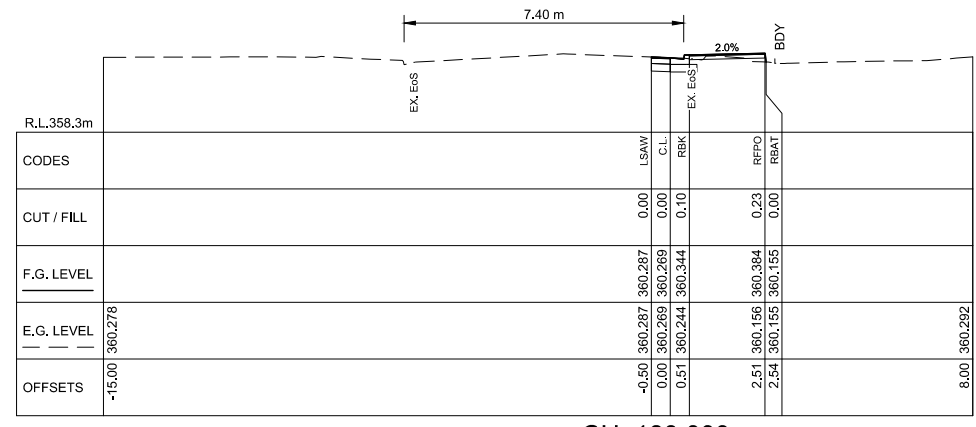
CH. 190.000 m



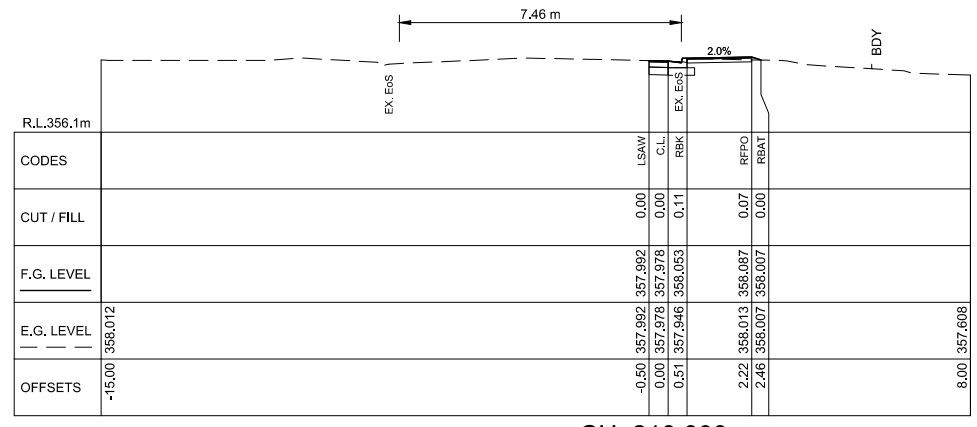
CH. 220.000 m



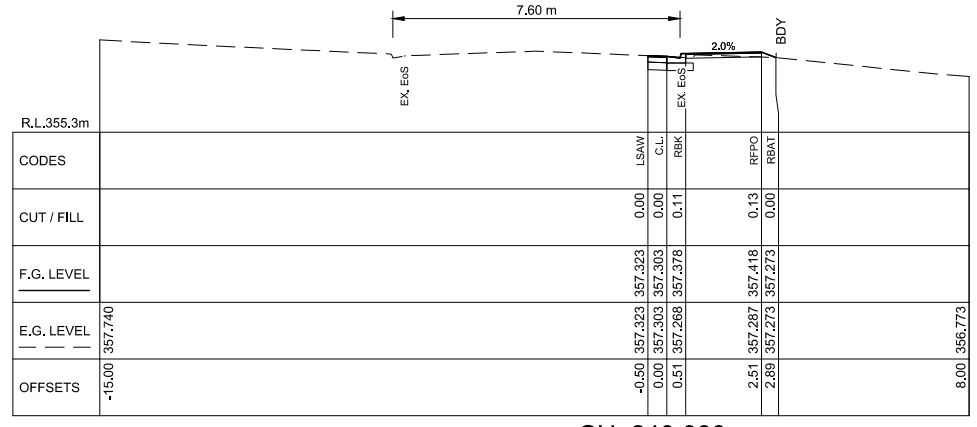
CH. 250.000 m



CH. 180.000 m



CH. 210.000 m



CH. 240.000 m

1:100 @ A1
1:200 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-09-02
B	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S	2021-08-30
C	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



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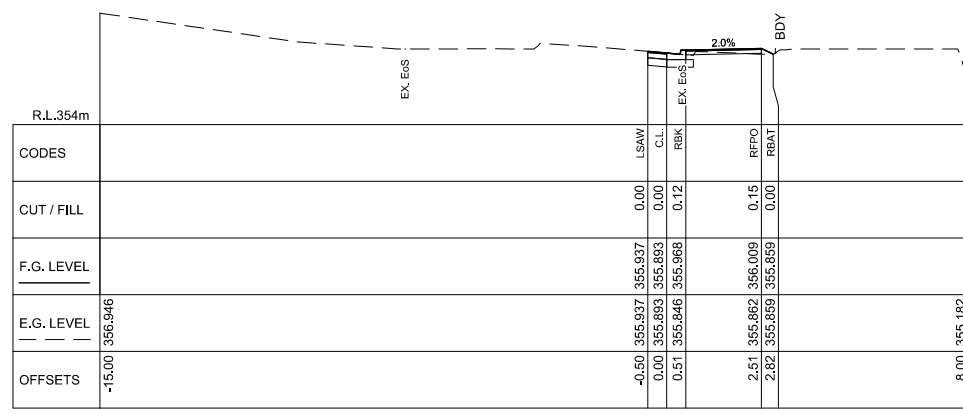
CIVIL

SCALES		ORIGINAL SIZE
1:100 (A1), 1:200 (A3)		A1
DRAWN	DESIGNED	APPROVED
B MULHOLLAND	B MULHOLLAND	R.GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S.FORBES	S.SHERLAW	2021-07-09

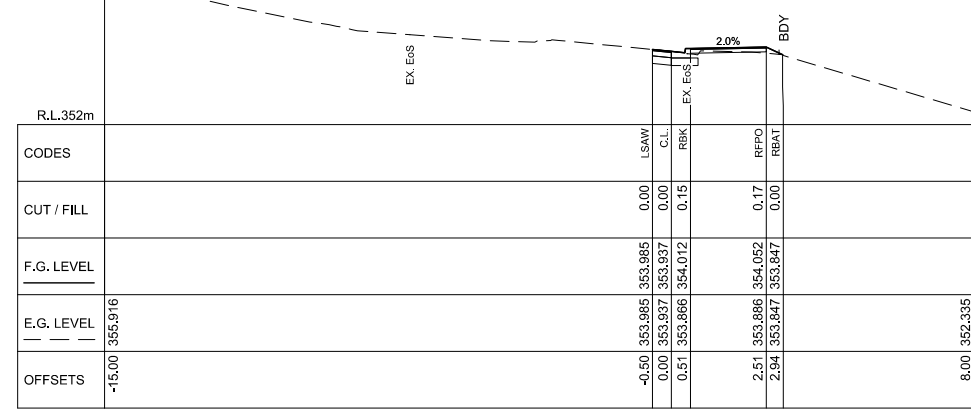
FOR TENDER

PROJECT		SHEET NO.	REVISION
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - ROUTE B2		C253	C
TITLE			
NEW EoS - THOMPSON STREET CROSS SECTIONS CHA. 180m TO 260m			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE		
6-XQ141.00	6-XQ141-WSP-01-B2-DR		

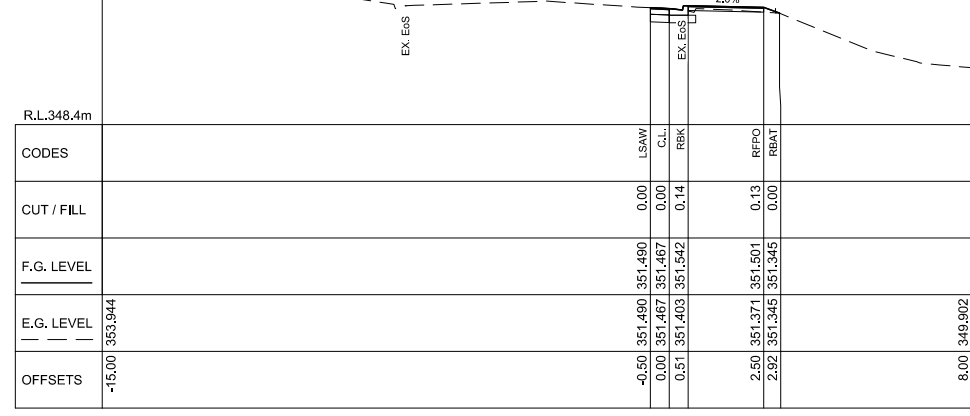
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0 10 mm



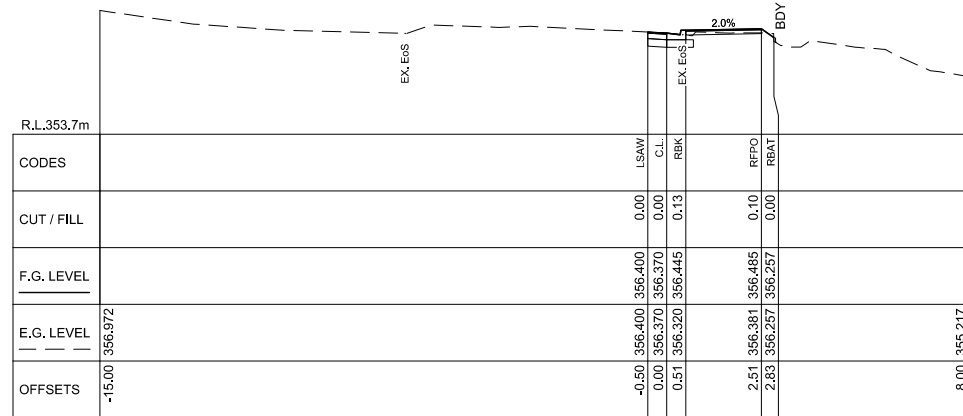
CH. 290.000 m



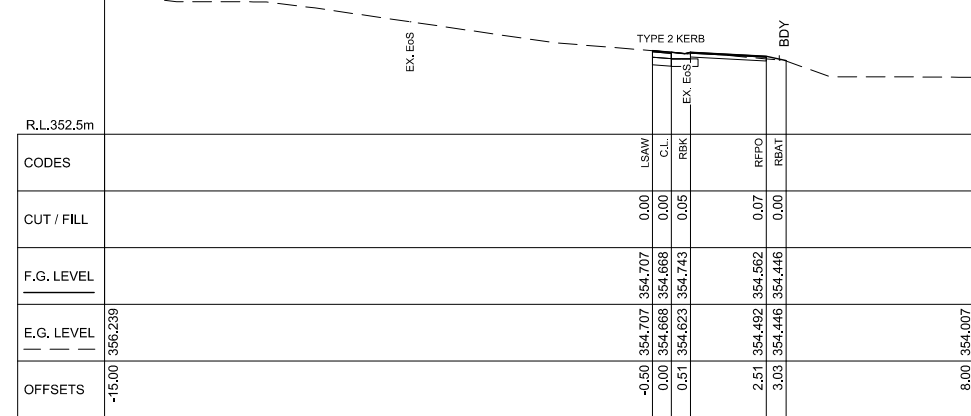
CH. 320.000 m



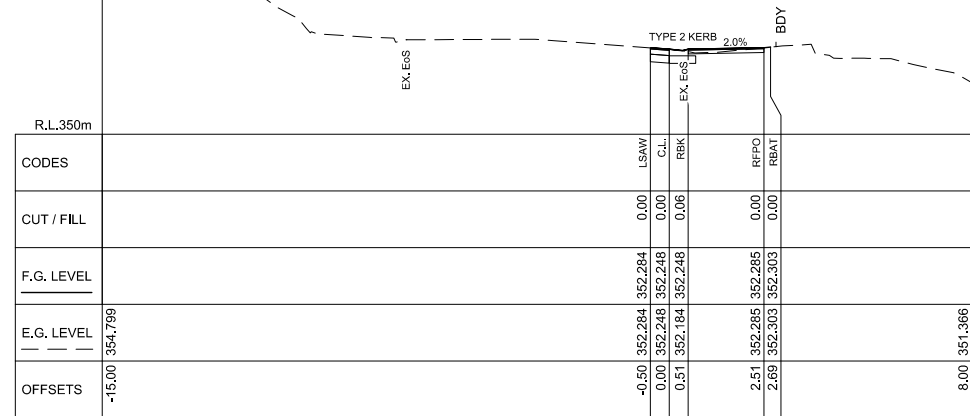
CH. 350.000 m



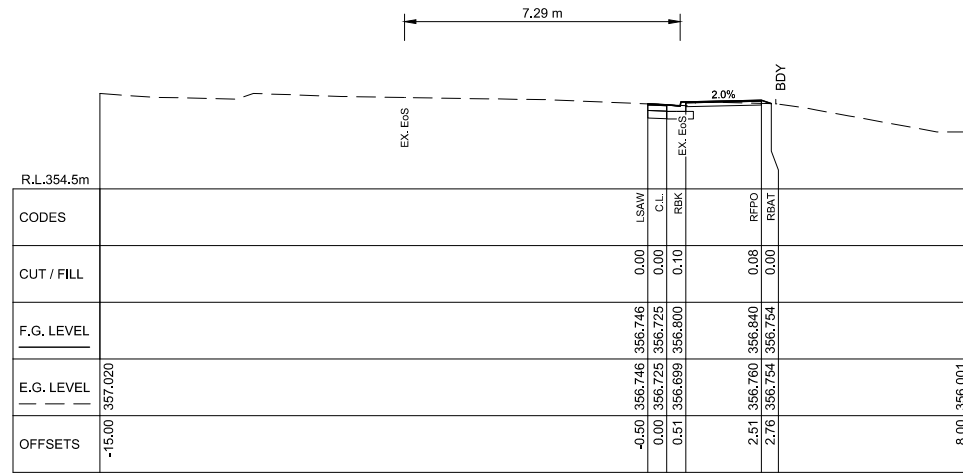
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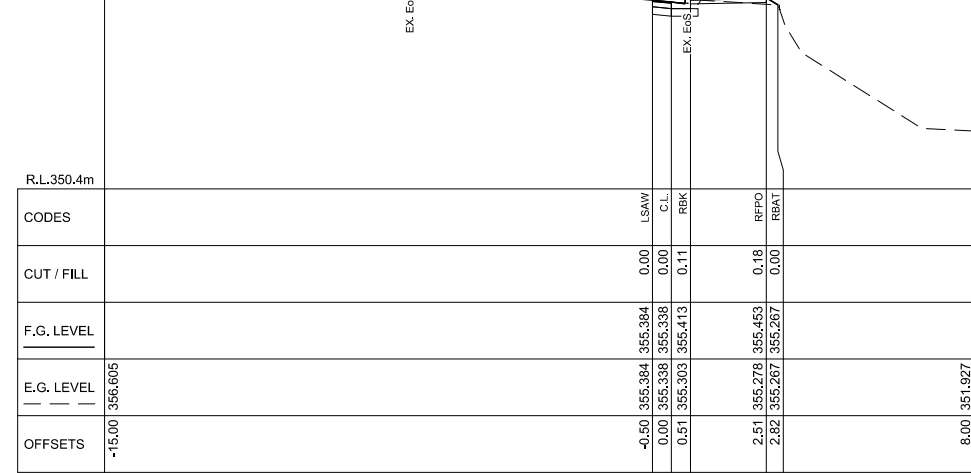
CH. 310.000 m



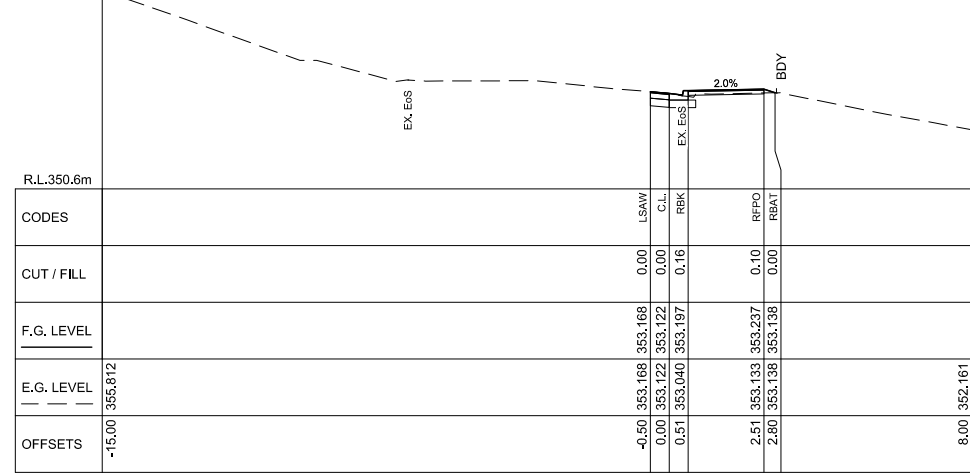
CH. 340.000 m



CH. 270.000 m



CH. 300.000 m



CH. 330.000 m

1:100 @ A1
1:200 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-08-02
B	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S	2021-08-30
C	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



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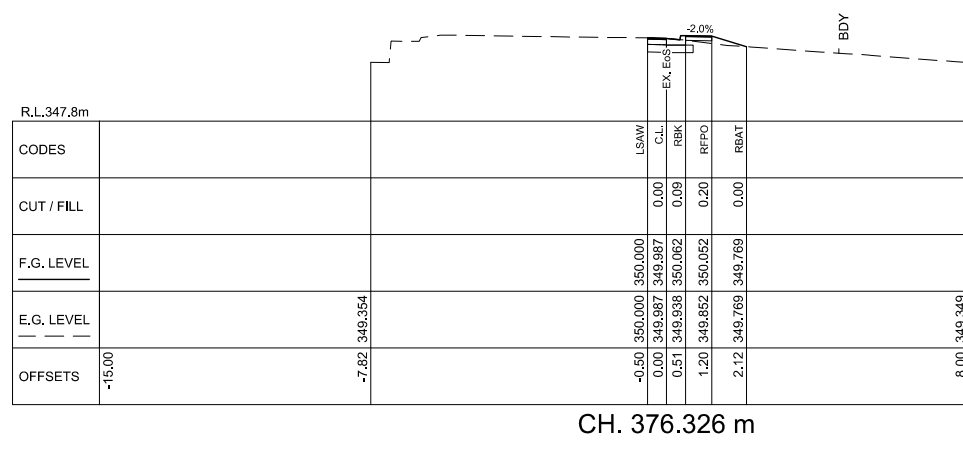
CIVIL

SCALES		ORIGINAL SIZE
1:100 (A1), 1:200 (A3)		A1
DRAWN	DESIGNED	APPROVED
B MULHOLLAND	B MULHOLLAND	R.GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S.FORBES	S.SHERLAW	2021-07-09

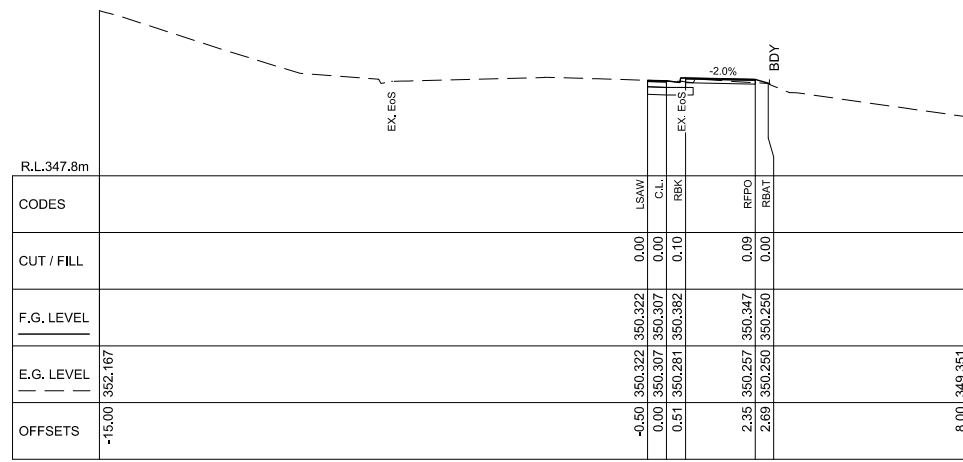
FOR TENDER

PROJECT		
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - ROUTE B2		
TITLE		
NEW EoS - THOMPSON STREET CROSS SECTIONS CHA. 270m TO 350m		
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.
6-XQ141.00	6-XQ141-WSP-01-B2-DR	C254
		REVISION
		C

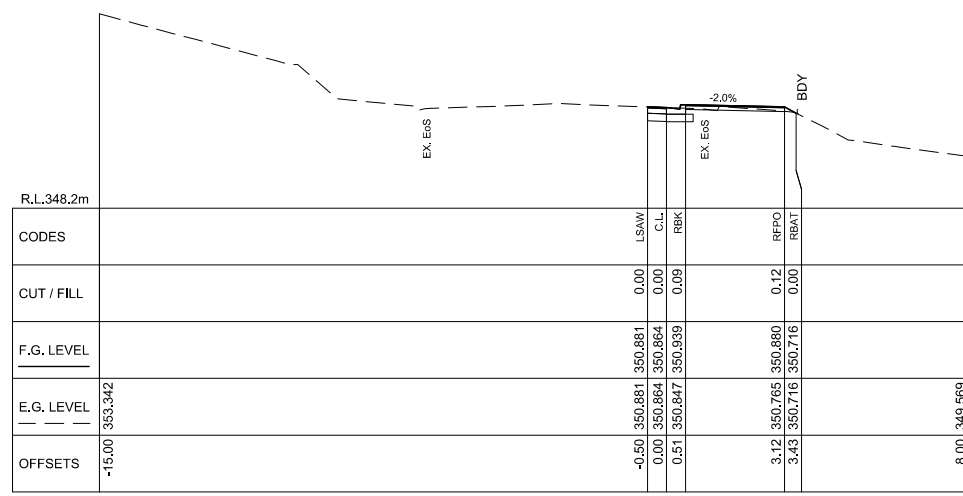
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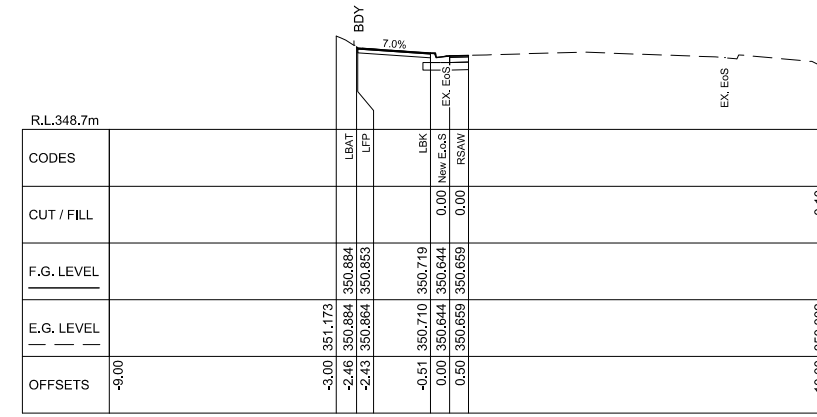
CH. 376.326 m



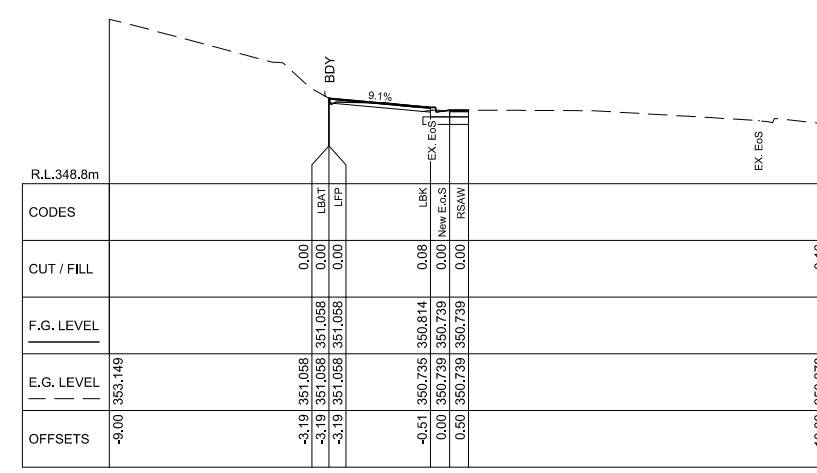
CH. 370.000 m



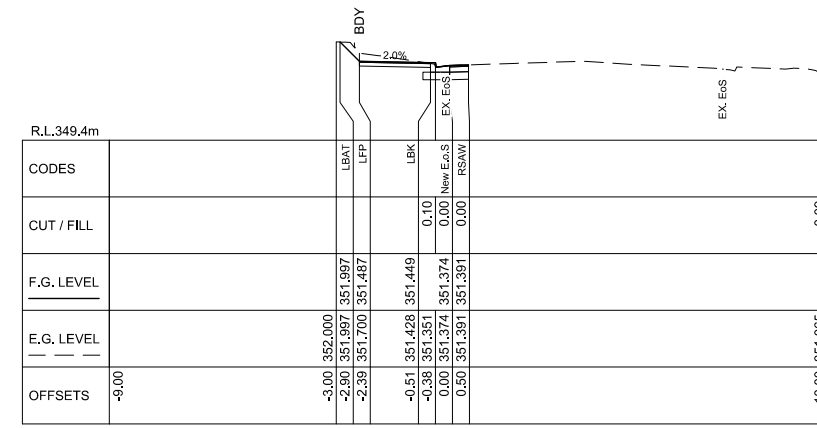
CH. 360.000 m



CHAINAGE: 11.676 m



CHAINAGE: 10.000 m



CHAINAGE: 0.000 m

1:100 @ A1
1:200 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-08-02
B	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S	2021-08-30
C	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



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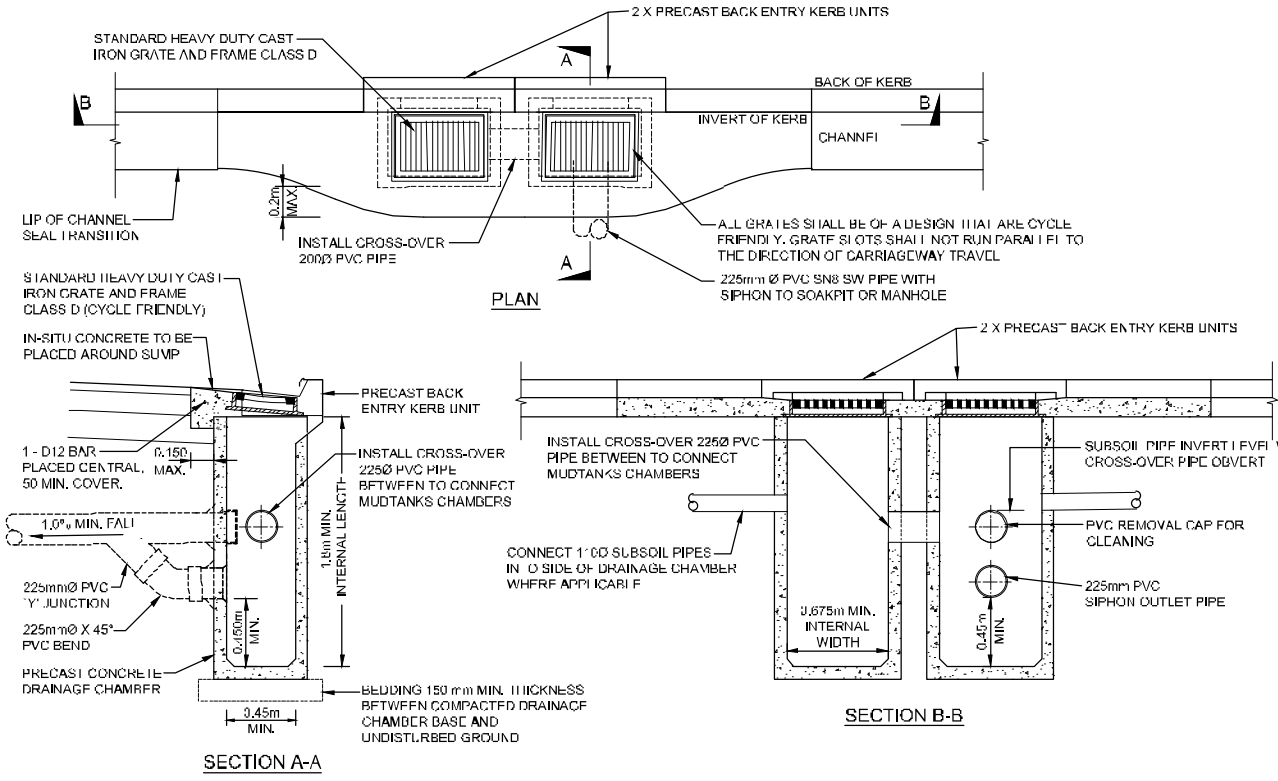
CIVIL

SCALES	DESIGNED	APPROVED
1:100 (A1), 1:200 (A3)	B MULHOLLAND	R.GILL
	S.SHERLAW	2021-07-09

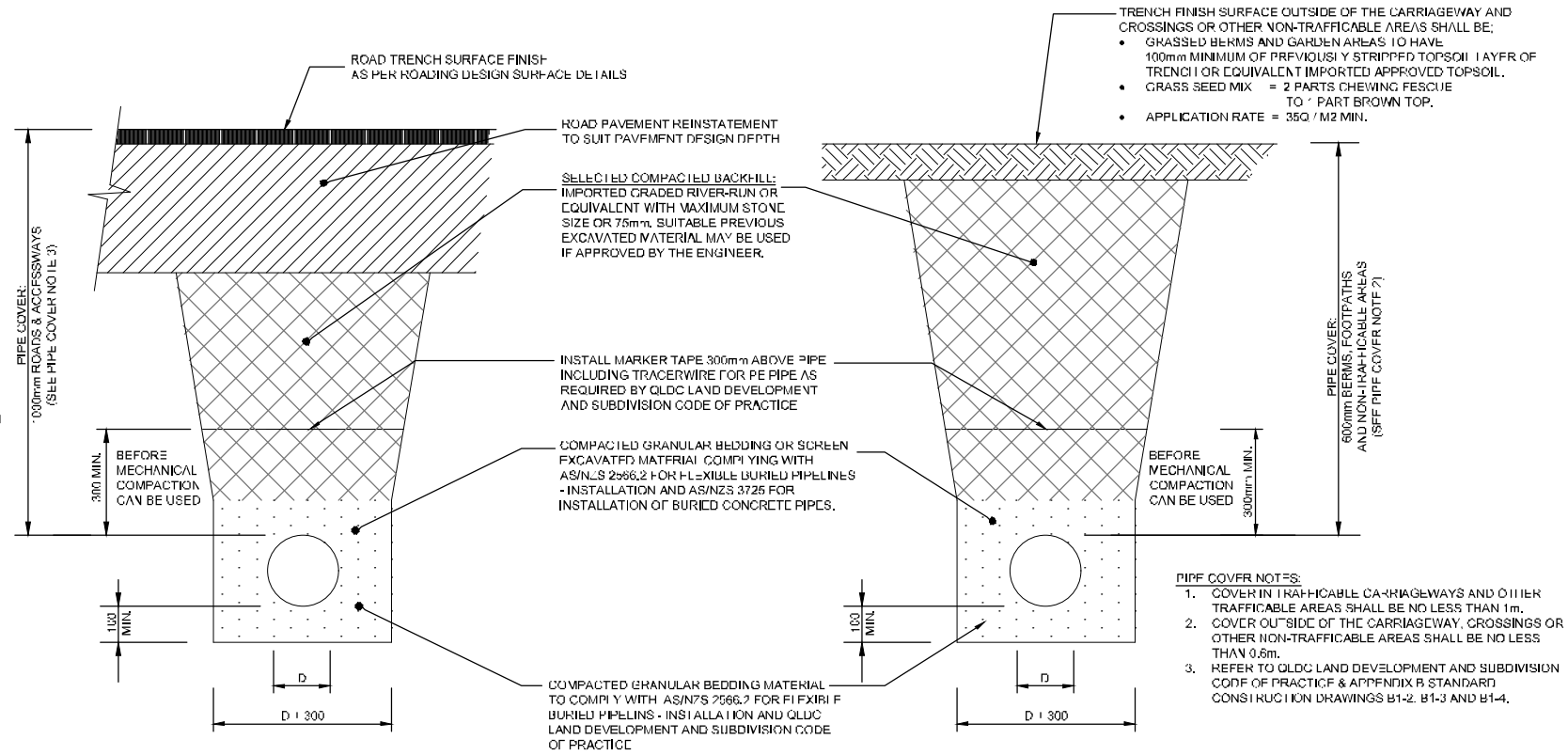
ORIGINAL SIZE A1

FOR TENDER

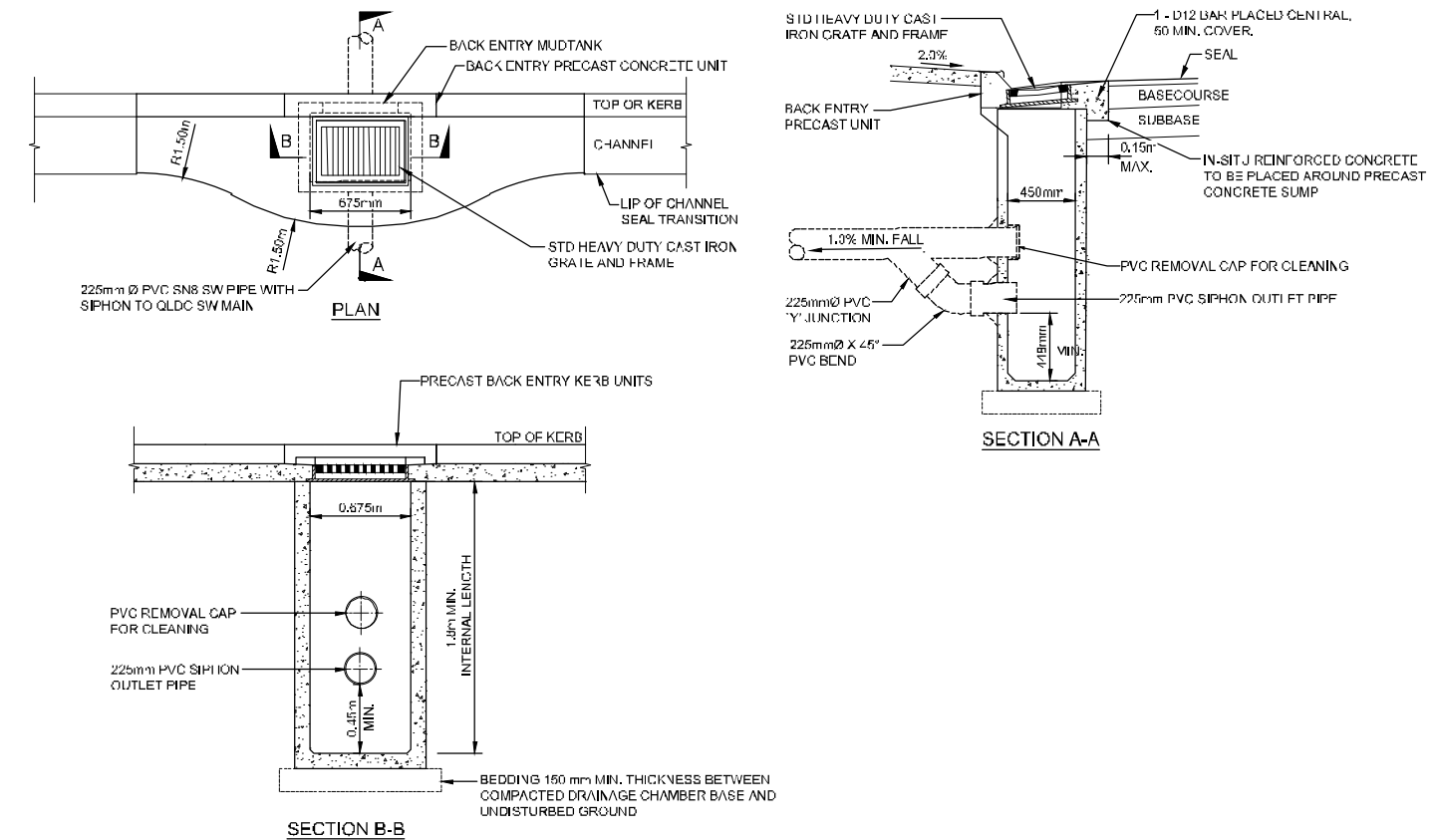
PROJECT	TITLE	WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - ROUTE B2	NEW EoS - THOMPSON STREET CROSS SECTIONS CHA. 360m TO 376.11m AND 0m TO 11.67m	6-QX141.00	6-QX141-WSP-01-B2-DR	C255	C



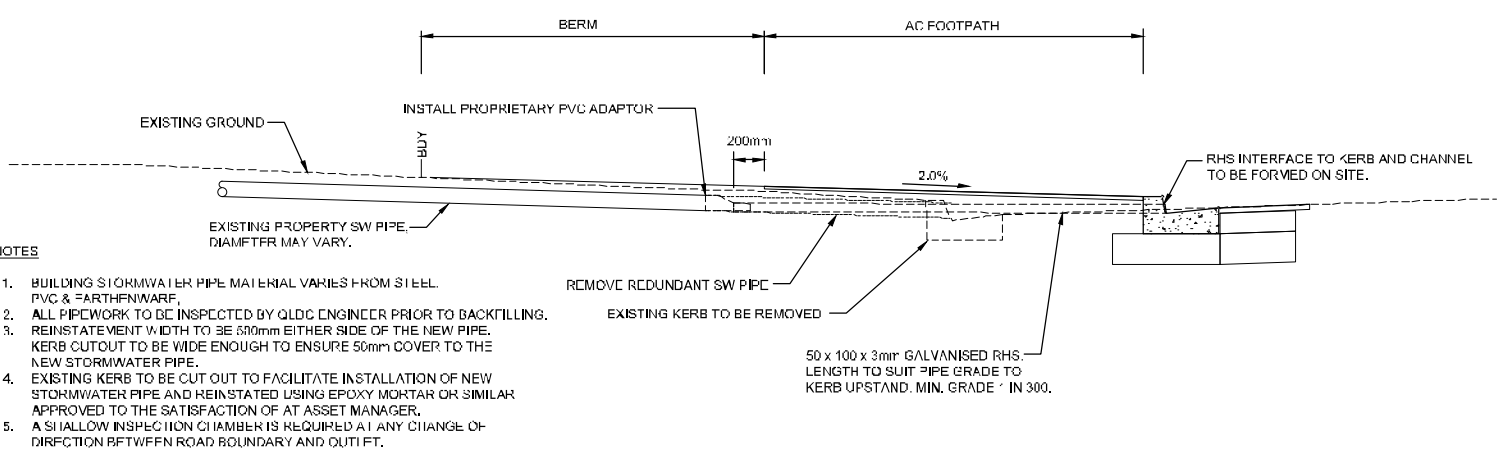
B14 - DOUBLE BACK ENTRY SUMP
SCALE 1:25



STORMWATER PIPELINE INSTALLATION DETAILS
N.T.S.



B11 - ROAD SUMP DETAIL
SCALE 1:25



PROPERTY SW KERB DISCHARGE TYPICAL DETAIL
SCALE 1:25

NOTES

- BUILDING STORMWATER PIPE MATERIAL VARIES FROM STEEL, PVC & FIBREGLASS.
- ALL PIPWORK TO BE INSPECTED BY QDC ENGINEER PRIOR TO BACKFILLING.
- REINSTATEMENT WIDTH TO BE 500mm EITHER SIDE OF THE NEW PIPE. KERB CUTOUT TO BE WIDE ENOUGH TO ENSURE 50mm COVER TO THE NEW STORMWATER PIPE.
- EXISTING KERBS TO BE CUT OUT TO FACILITATE INSTALLATION OF NEW STORMWATER PIPE AND REINSTATED USING EPOXY MORTAR OR SIMILAR APPROVED TO THE SATISFACTION OF AT ASSET MANAGER.
- A SIGNALLING INSPECTION CHAMBER IS REQUIRED AT ANY CHANGE OF DIRECTION BETWEEN ROAD BOUNDARY AND OUTLET.

1:25 @ A1
1:50 @ A3

REVISION	AMENDMENT	APPROVED	DATE
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D	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



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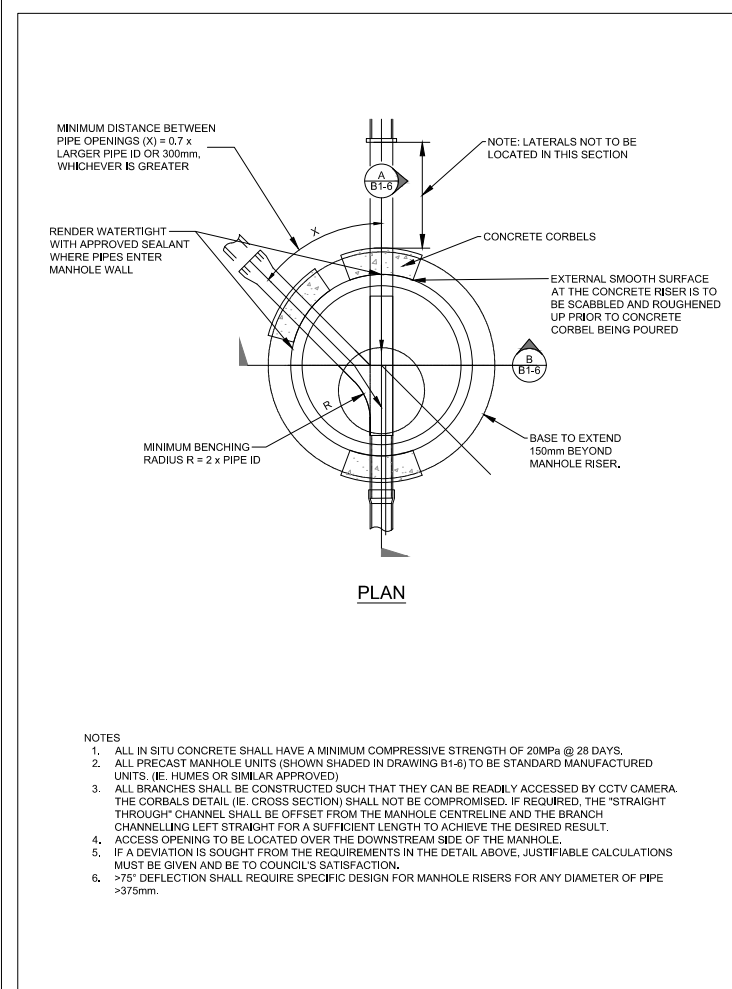
CIVIL

SCALE	DESIGNER	APPROVED
1:25 @ A1, 1:50 @ A3	B. MULHOLLAND	R. GILL
	S. FORBES	S. SHERLAW

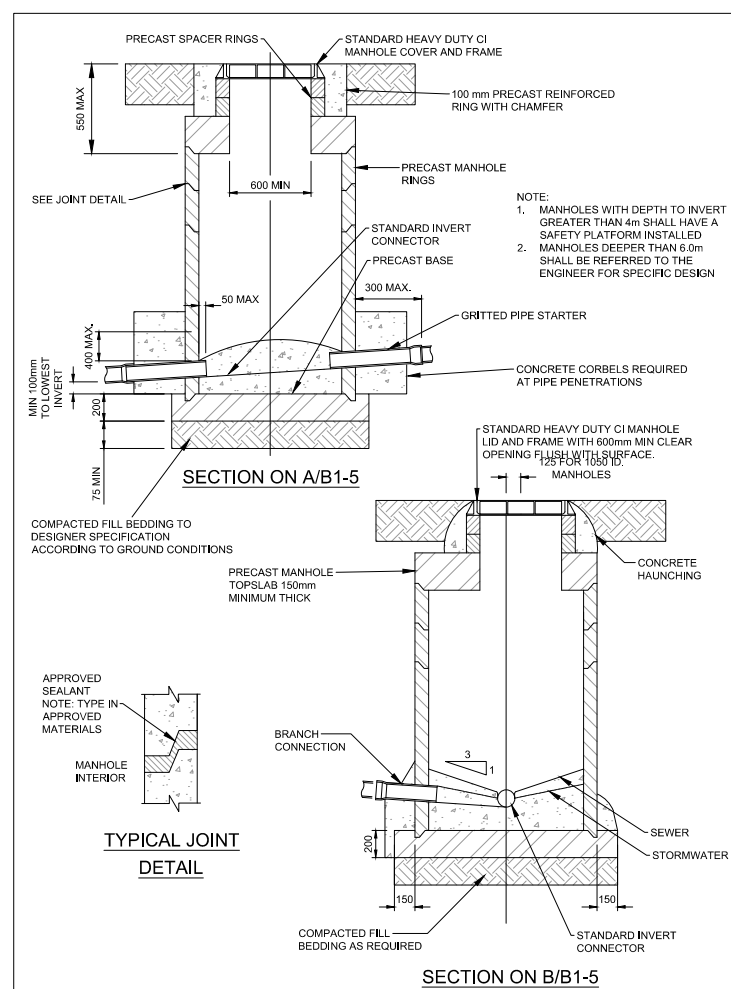
FOR TENDER

PROJECT	PROJECT NO.	PROJECT TYPE	SHEET NO.	REVISION
QUEENSTOWN LAKES DISTRICT COUNCIL QUEENSTOWN, LAKES DISTRICT WAKATIPU ACTIVE TRAVEL NETWORK - STAGE 2	6-XQ141.00	6-XQ141-WSP-01-B2-DR	C270	D

300 mm
200
100
50
0 10 mm



QLDC LDSC 2020 Standard Details
Revision: Rev Date:
Drawing Title: **Manhole Detail A - Typical Plan View**
NOT TO SCALE
Drawing No.: **B1-5**



QLDC LDSC 2020 Standard Details
Revision: Rev Date:
Drawing Title: **Manhole Detail B - Typical Cross Section**
NOT TO SCALE
Drawing No.: **B1-6**

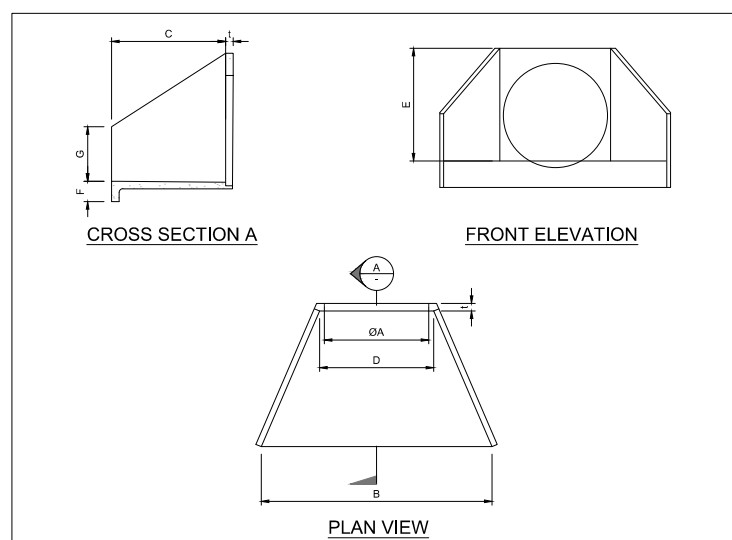


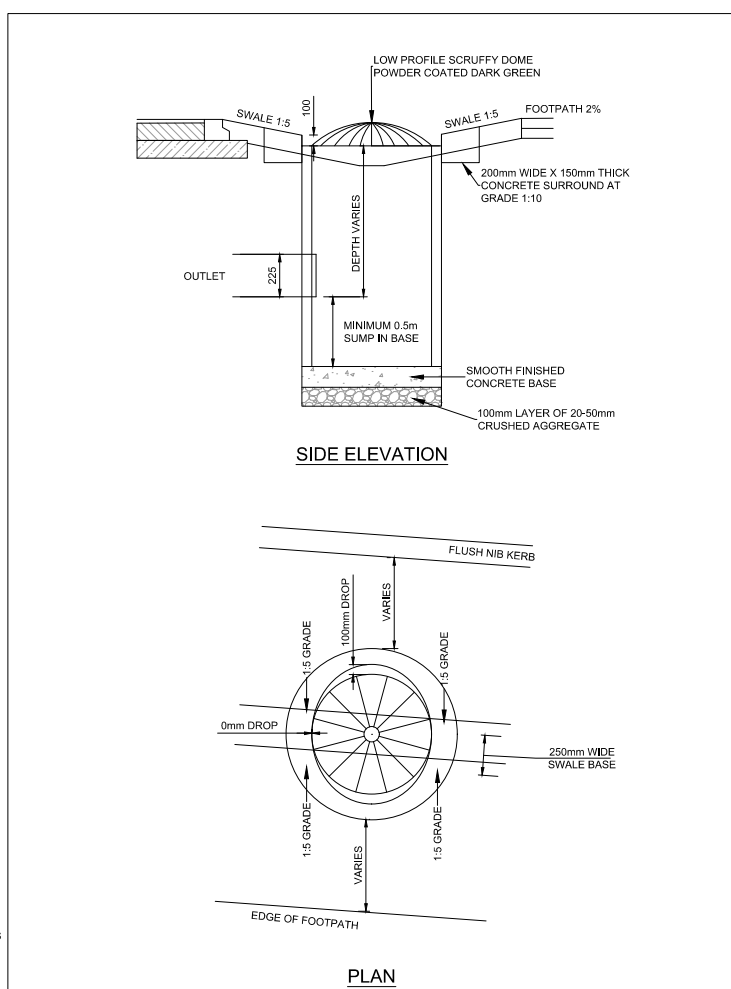
TABLE 1

PIPE DIA.	PRINCIPAL DIMENSIONS (mm)							
	A	B	C	D	E	F	G	t
150-300	190-390	1000	600	460	520	200	160	50
300-600	370-700	1900	1100	750	900	280	500	80
600-1050	720-1225	3000	100	1270	1675	345	600	100
1200-1350	1380-1540	4100	2400	1600	1975	425	750	125
1600-1800	1727-2040	4900	2400	2150	2265	450	750	150

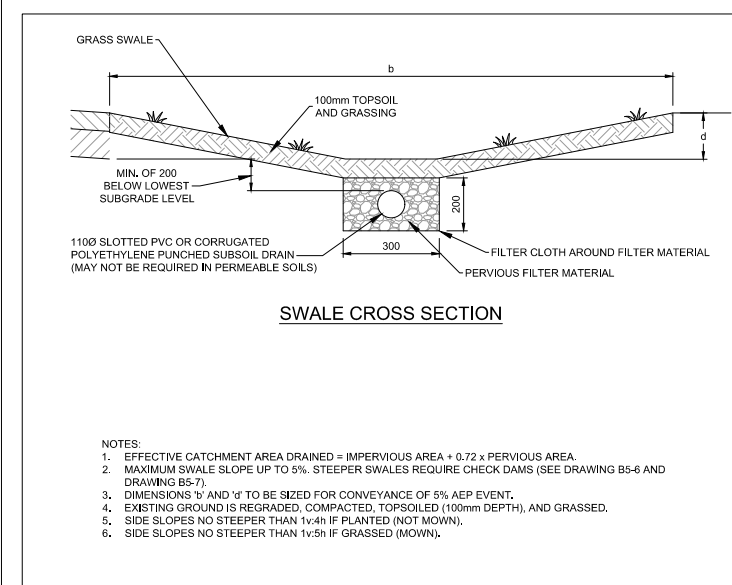
NOTES:

1. REINFORCED FLOOR AND WALLS WITH 150 TO 375 - 665 MESH (668 OR SIMILAR) 450 TO 600 - 663 MESH OR EQUIVALENT OR 100 RODS @ 250 CRS 675 TO 900 - 120 RODS @ 250 CRS 1050 TO 1350 - 120 RODS @ 150 CRS
2. ALL REINFORCEMENT SHALL BE PLACED CENTRAL IN WALLS & FLOOR AND SHALL BE CONTINUOUS BETWEEN WALL AND FLOOR.
3. LAPS IN STRUCTURAL GRADE BARS TO BE 300mm MINIMUM.
4. THERE SHALL BE AT LEAST TWO BARS WHETHER MESH OR MILD STEEL, OVER THE TOP OF THE PIPE.
5. CONCRETE COMPRESSIVE STRENGTH IS TO BE 20MPa @ 28 DAYS.
6. BAFFLES ARE TO BE CONSTRUCTED AS SHOWN WHEN OUTLET VELOCITIES AND SOIL CONDITIONS DICTATE. IN EXTREME CASES SPECIFIC DESIGN MAY BE REQUIRED.
7. INLETS EXCEEDING 450mmØ TO HAVE ANTI-VERMIN SCREENS FITTED, EXCEPT WHEN THE PIPE IS LESS THAN 20m LONG.
8. TABLE 1 IS FOR FORMING INLET AND OUTLET STRUCTURES OUTSIDE MANUFACTURERS SPECIFICATIONS.

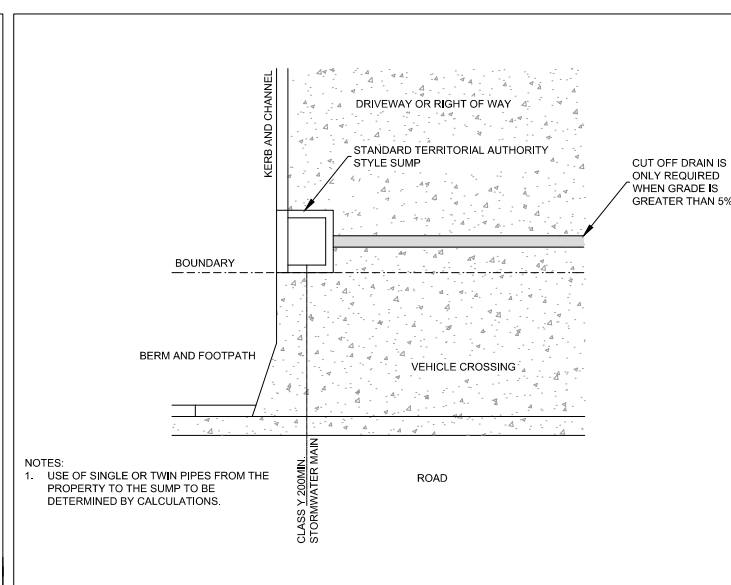
QLDC LDSC 2020 Standard Details
Revision: Rev Date:
Drawing Title: **Inlet & Outlet Structures**
NOT TO SCALE
Drawing No.: **B4-1**



QLDC LDSC 2020 Standard Details
Revision: Rev Date:
Drawing Title: **Scruffy Dome Detail**
NOT TO SCALE
Drawing No.: **B4-3**



QLDC LDSC 2020 Standard Details
Revision: Rev Date:
Drawing Title: **Typical Swale Detail**
NOT TO SCALE
Drawing No.: **B5-5**



QLDC LDSC 2020 Standard Details
Revision: Rev Date:
Drawing Title: **Typical Sump to Driveway or Right of Way**
NOT TO SCALE
Drawing No.: **B5-9**

REVISION	AMENDMENT	APPROVED	DATE
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SCALES	ORIGINAL SIZE	
N.T.S	A1	
DRAWN	DESIGNED	APPROVED
B. MULHOLLAND	B. MULHOLLAND	R. GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S. FORBES	S. SHERLAW	2021-07-09

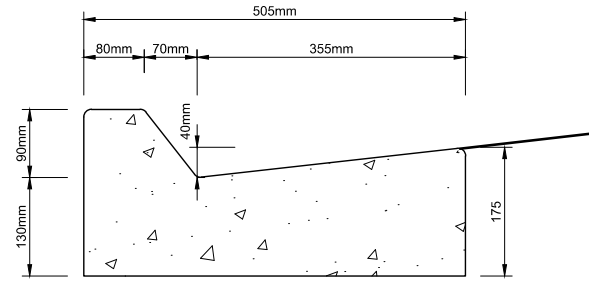
FOR TENDER

PROJECT
**QUEENSTOWN LAKES DISTRICT COUNCIL
QUEENSTOWN, LAKES DISTRICT
WAKATIPU ACTIVE TRAVEL NETWORK - STAGE 2**

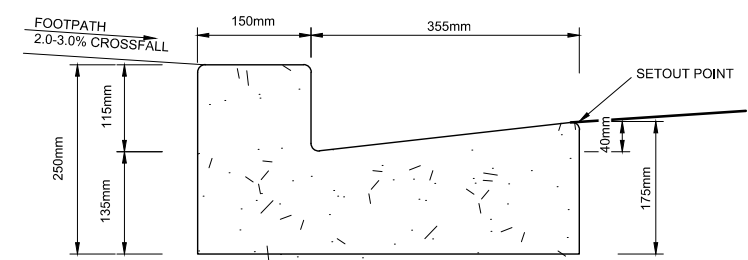
TITLE
**DRAINAGE DETAILS
QLDC LDSC 2020 APPENDIX B - STD CONSTRUCTION DRAWINGS**

WSP PROJECT NO. 6-XQ141.00
PROJ-ORIG-VOL-LOC-TYPE 6-XQ141-WSP-01-B2-DR
SHEET NO. C271
REVISION D

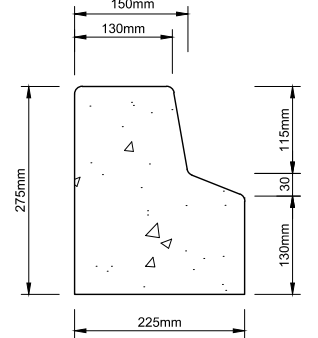
300 mm
200
100
50
0 10 mm



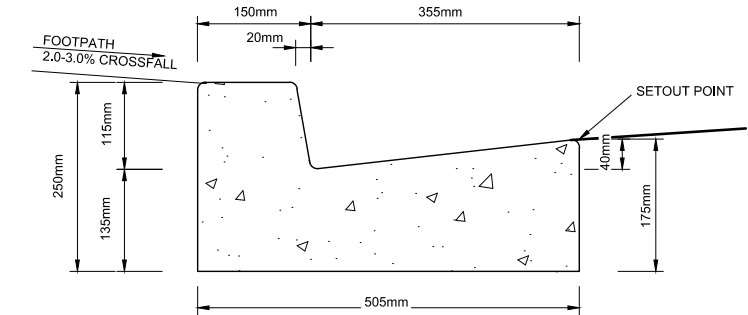
No. 8. - MOUNTABLE KERB AND CHANNEL



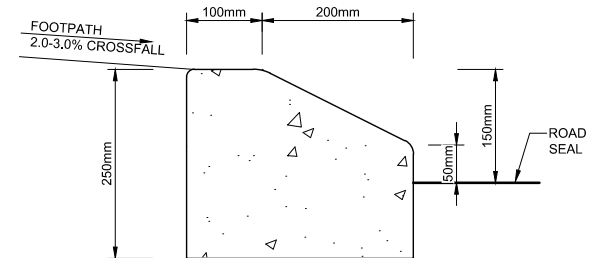
No.1 KERB AND CHANNEL



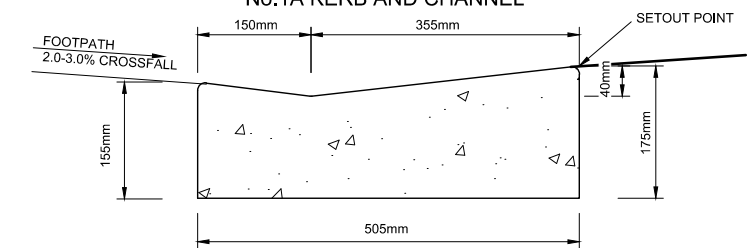
No. 3. - NIB KERB



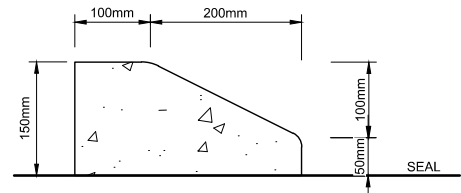
No.1A KERB AND CHANNEL



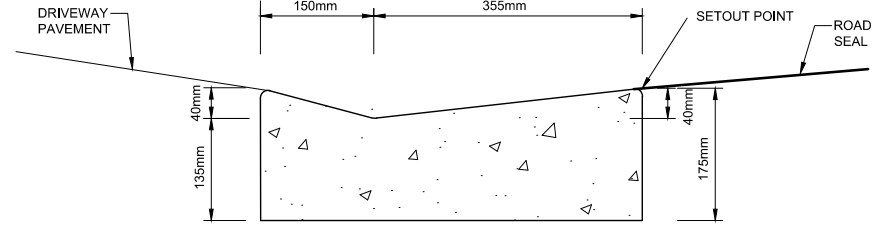
No. 5. - MOUNTABLE KERB



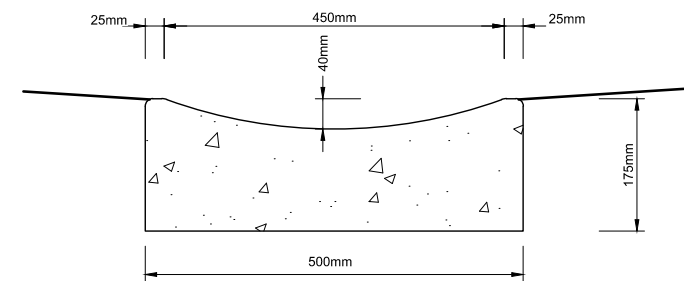
No. 1B - CUT DOWN PEDESTRIAN RAMP KERB



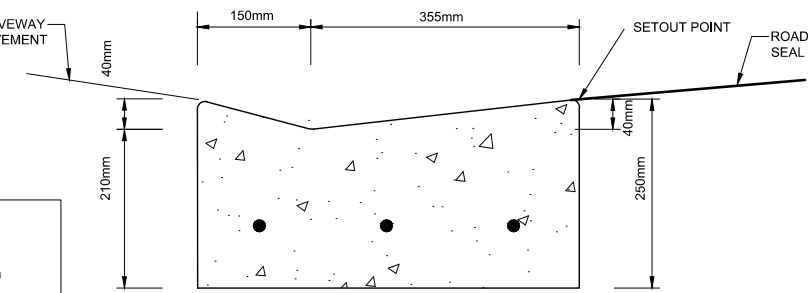
No. 5B. - MOUNTABLE KERB



No. 2. - VEHICLE CROSSING - RESIDENTIAL



No. 16. - DISH CHANNEL



No. 2A. - COMMERCIAL VEHICLE CROSSING

- KERBING NOTES:**
- CONCRETE KERB GRADES:
 - IN-SITU KERB 20MPa
 - PRECAST BLOCKS 20 MPa
 - EXTRUDED KERB (SLIP FORM) 25 MPa
 - KERB AND CHANNEL TO HAVE 200mm MINIMUM DEPTH OF COMPACTED AP40 BASECOURSE OR GAP 65 SUBBASE UNDER KERB
 - ALL RADII TO BE 10mm MIN.
 - DIMENSIONS ARE IN MILLIMETRES.

KERBING DETAILS
SCALE: 1:5 (A1)

1:5 @ A1
1:10 @ A3

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D	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



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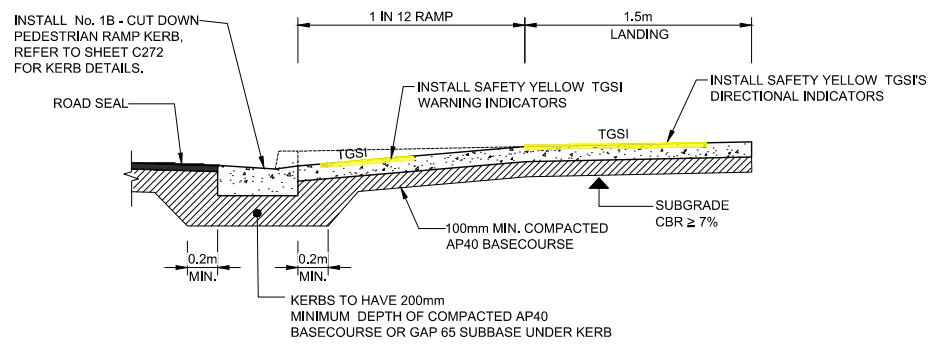
SCALES		ORIGINAL SIZE
1:5 @ A1, 1:10 @ A3		A1
DRAWN	DESIGNED	APPROVED
B. MULHOLLAND	B. MULHOLLAND	R. GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S. FORBES	S. SHERLAW	2021-07-09

FOR TENDER

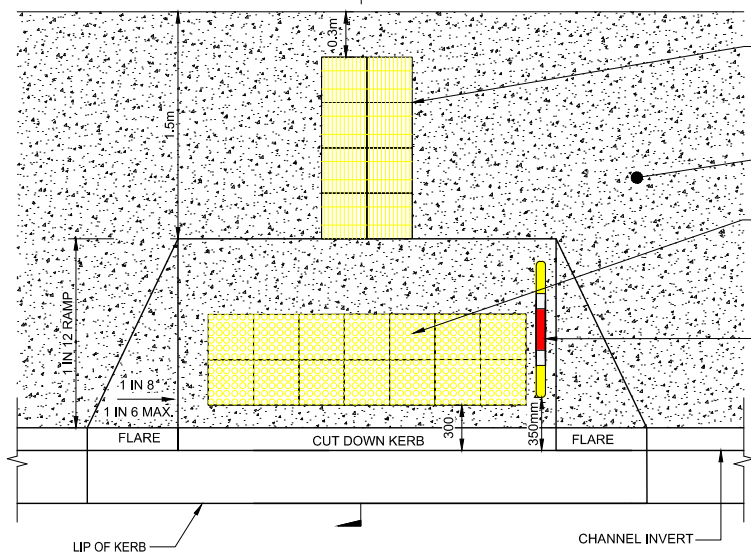
PROJECT
QUEENSTOWN LAKES DISTRICT COUNCIL
QUEENSTOWN, LAKES DISTRICT
WAKATIPU ACTIVE TRAVEL NETWORK - STAGE 2

TITLE
CONSTRUCTION DETAILS

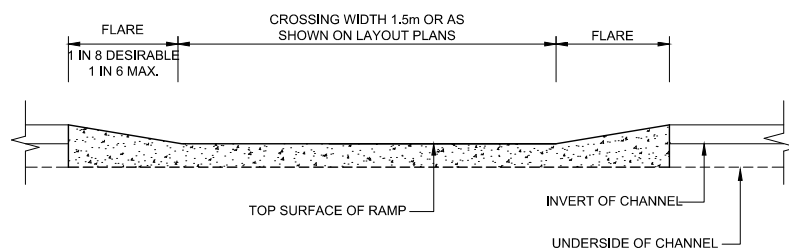
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-QX141.00	6-QX141-WSP-01-B2-DR	C272	D



SECTION A



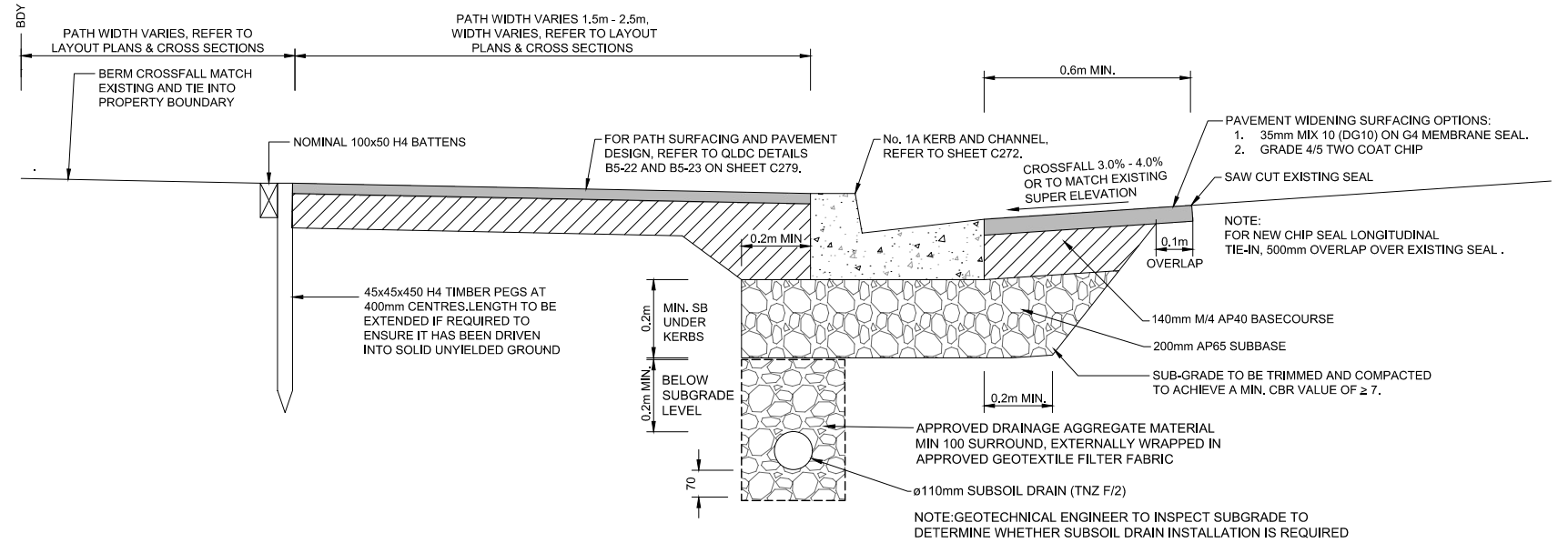
RAMP PLAN



FRONT KERB RAMP ELEVATION

PEDESTRIAN / PRAM RAMP DETAIL

SCALE: 1:25 (A1)

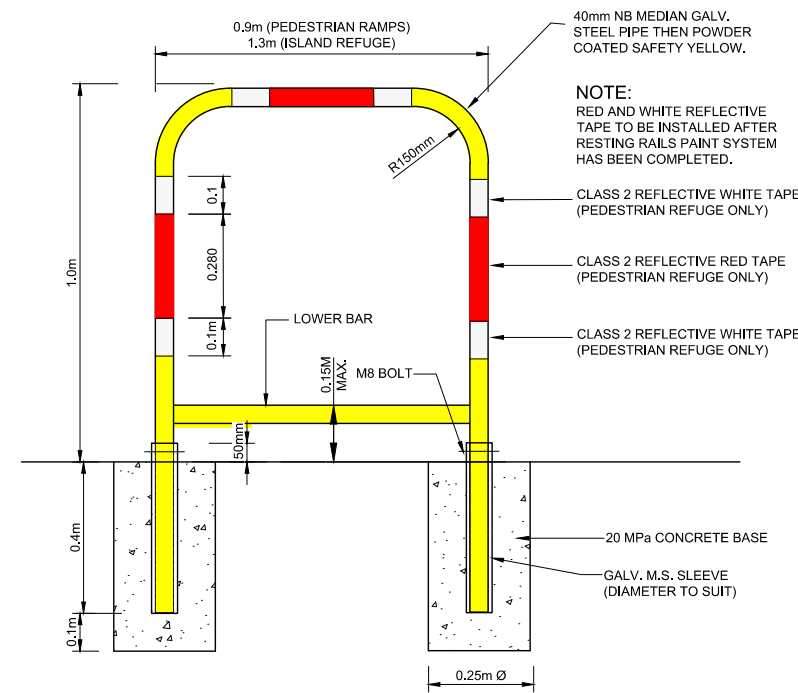


KERB AND CHANNEL WITH AC FOOTPATH

SCALE: 1:10

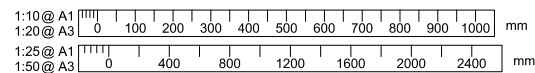
RESTING RAIL PAINT SPECIFICATION

- 1 COAT ETCHING PRIMER
- 1 COAT ZINC CHROMATE PRIMER
- 1 COAT UNIVERSAL UNDERCOAT
- 2 COATS GLOSS ENAMEL (SAFETY YELLOW)



PEDESTRIAN / CYCLE RESTING RAIL DETAIL

SCALE: 1:10 (A1)



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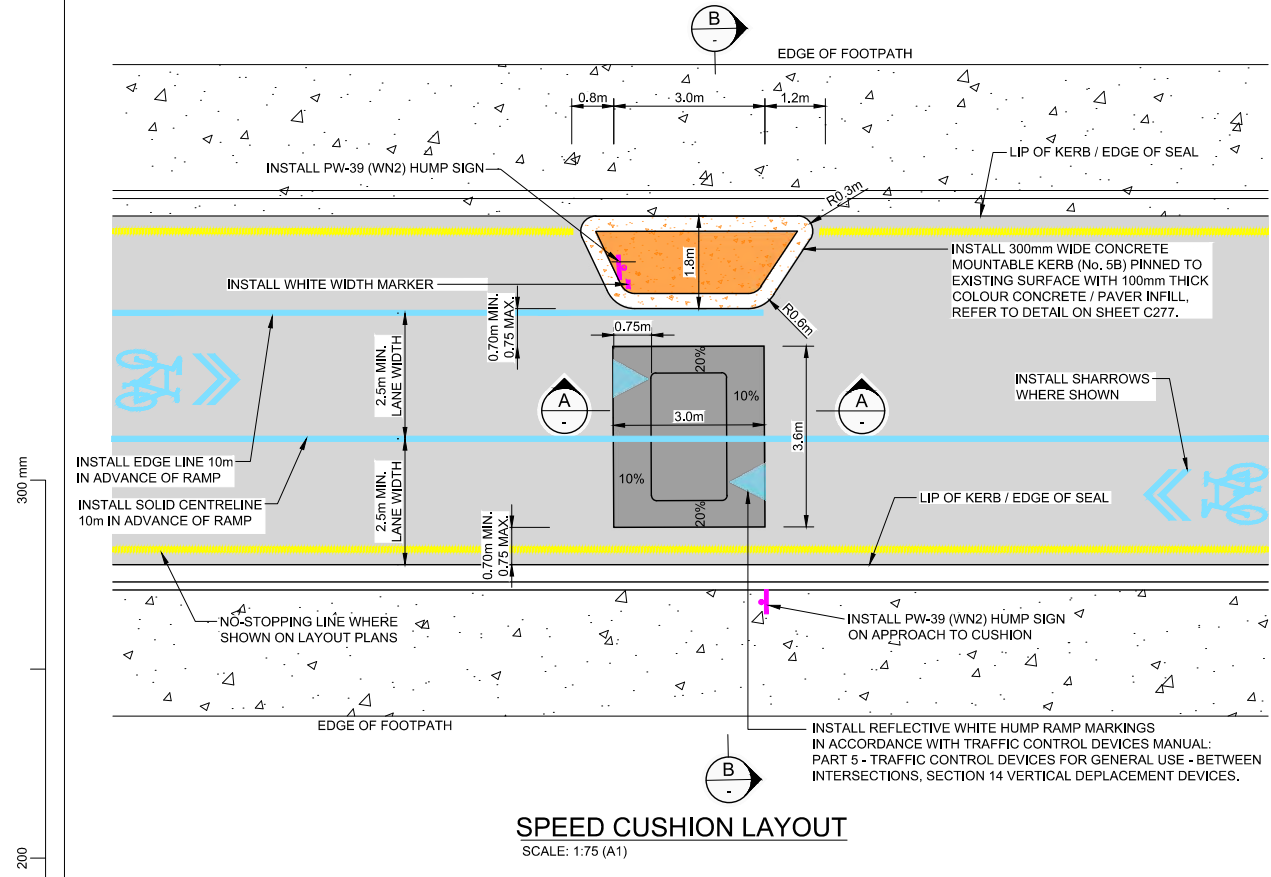
SCALES		ORIGINAL SIZE
1:10 & 1:25 @ A1		A1
DRAWN	DESIGNED	APPROVED
B. MULHOLLAND	B. MULHOLLAND	R. GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S. FORBES	S. SHERLAW	2021-07-09

FOR TENDER

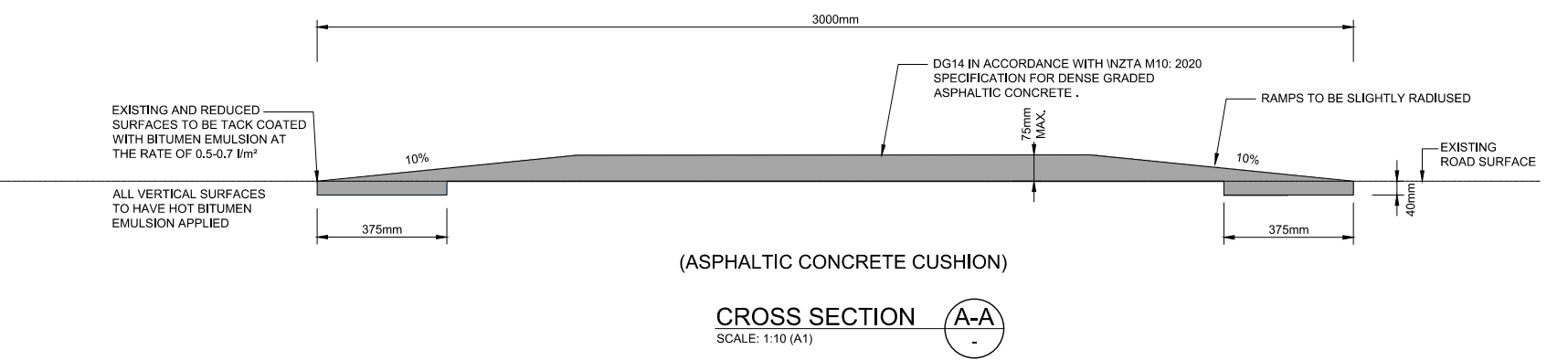
PROJECT
QUEENSTOWN LAKES DISTRICT COUNCIL
QUEENSTOWN, LAKES DISTRICT
WAKATIPU ACTIVE TRAVEL NETWORK - STAGE 2

TITLE
CONSTRUCTION DETAILS

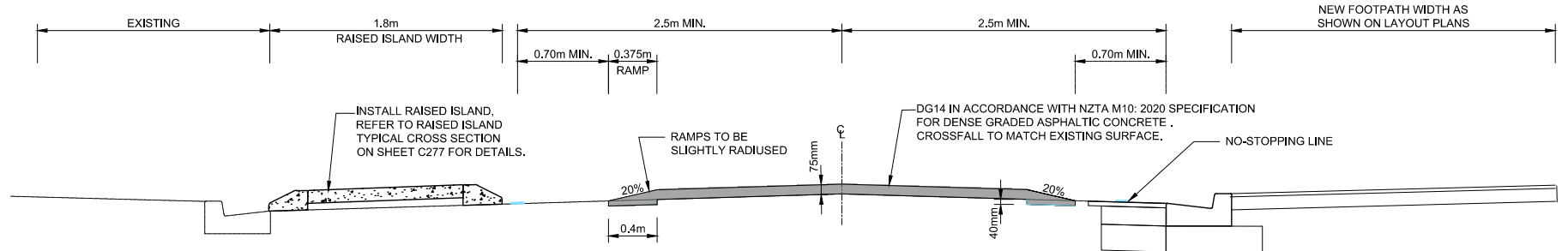
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-XQ141.00	6-XQ141-WSP-01-B2-DR	C273	D



SPEED CUSHION LAYOUT
SCALE: 1:75 (A1)

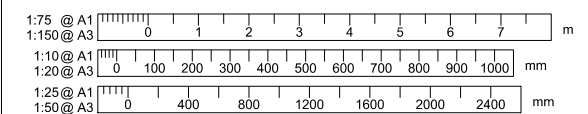


(ASPHALTIC CONCRETE CUSHION)
CROSS SECTION A-A
SCALE: 1:10 (A1)



(ASPHALTIC CONCRETE CUSHION)
CROSS SECTION B-B
SCALE: 1:25 (A1)

- NOTES:**
1. THESE DETAILS APPLIES TO CUSHIONS IN ROADS OF WIDTH 6.0m TO 7.0m UNLESS OTHERWISE STATED BY THE ENGINEER.
 2. MAXIMUM HEIGHT OF CUSHIONS TO BE 75mm ABOVE EXISTING ROAD SURFACE WITHIN TOLERANCE OF +/- 5mm
 3. LATERAL GAPS BETWEEN CUSHIONS AND KERBS TO BE AGREED WITH QLDC.
 4. CROSS SECTIONAL PROFILE B-B OF SPEED CUSHION TO BE SAME AS EXISTING PROFILE OF ROAD.
 5. ALL ROAD MARKINGS TO BE IN ACCORDANCE WITH MANUAL OF TRAFFIC SIGNS AND MARKINGS AND TCD MANUAL UPDATES TO MOTSAM



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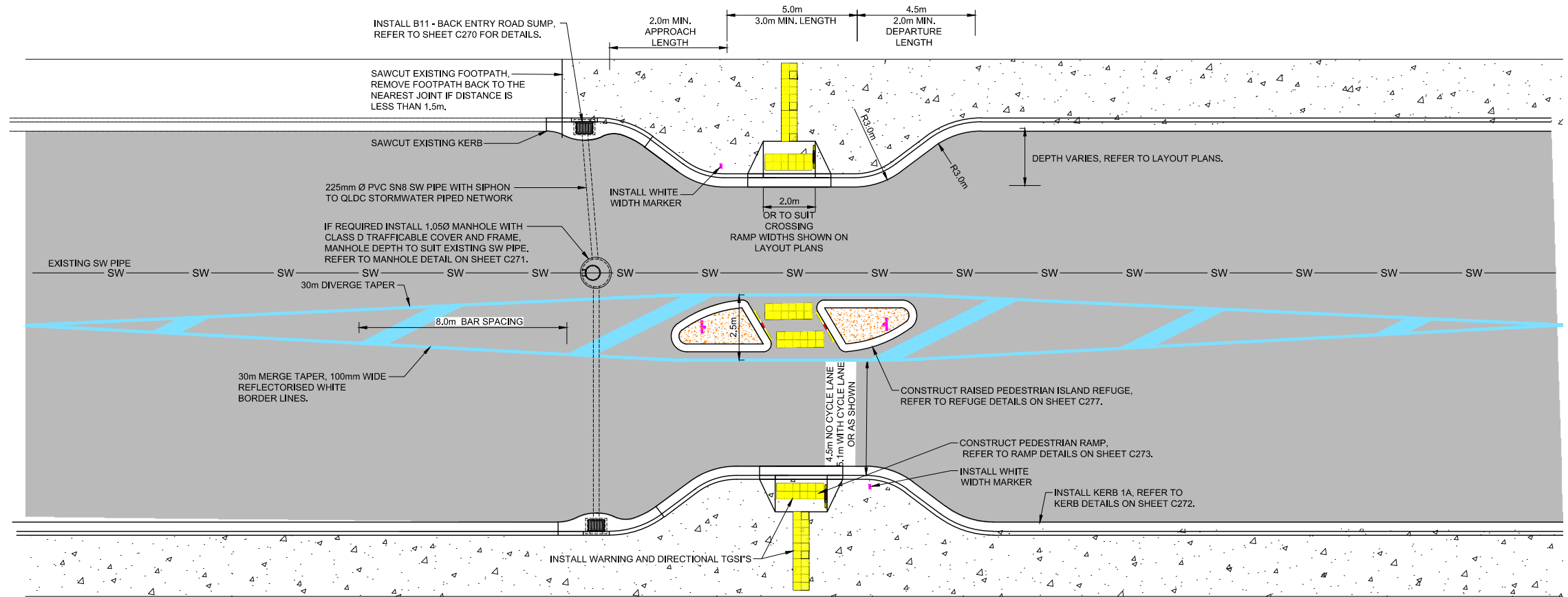
CIVIL

SCALES		ORIGINAL SIZE
1:75, 1:25 & 1:10 @ A1		A1
DRAWN	DESIGNED	APPROVED
B. MULHOLLAND	B. MULHOLLAND	R. GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S. FORBES	S. SHERLAW	2021-07-09

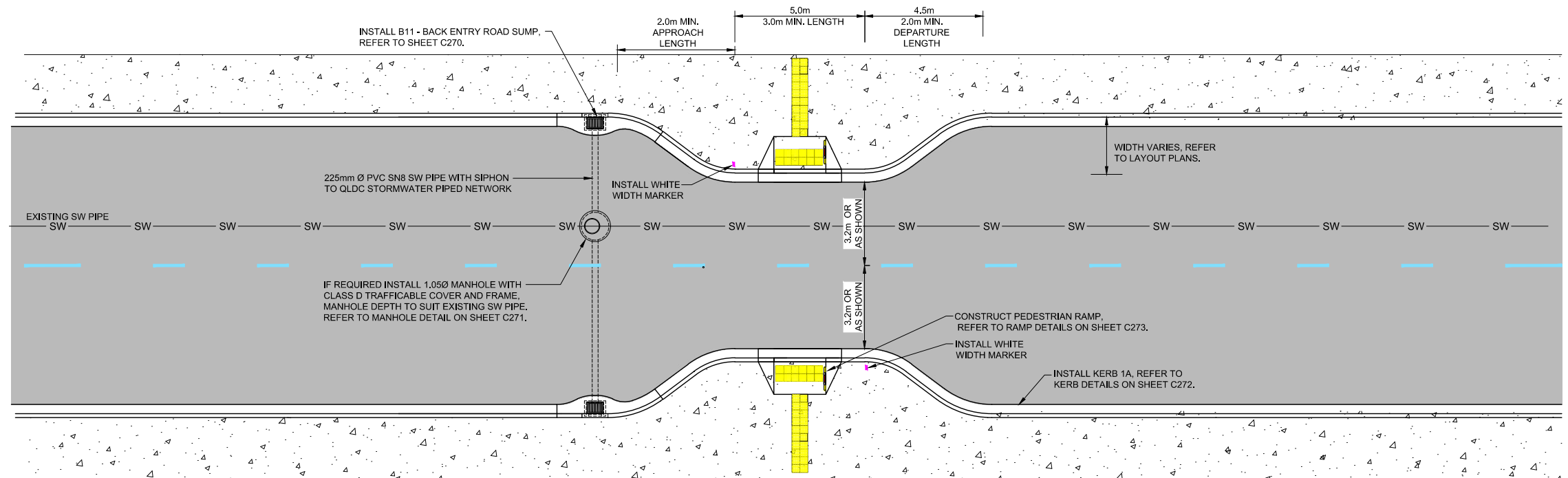
FOR TENDER

PROJECT		
QUEENSTOWN LAKES DISTRICT COUNCIL QUEENSTOWN, LAKES DISTRICT WAKATIPU ACTIVE TRAVEL NETWORK - STAGE 2		
TITLE		
CONSTRUCTION DETAILS SPEED CUSHIONS		
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.
6-XQ141.00	6-XQ141-WSP-01-B2-DR	C274
		REVISION
		D

300 mm
200
100
50
0 10 mm



CROSSING POINT LAYOUT WITH REFUGE AND KERB EXTENSION
SCALE: 1:100 (A1)



ROAD NARROWING WITH CROSSING POINT
SCALE: 1:100 (A1)

1:100 @ A1
1:200 @ A3

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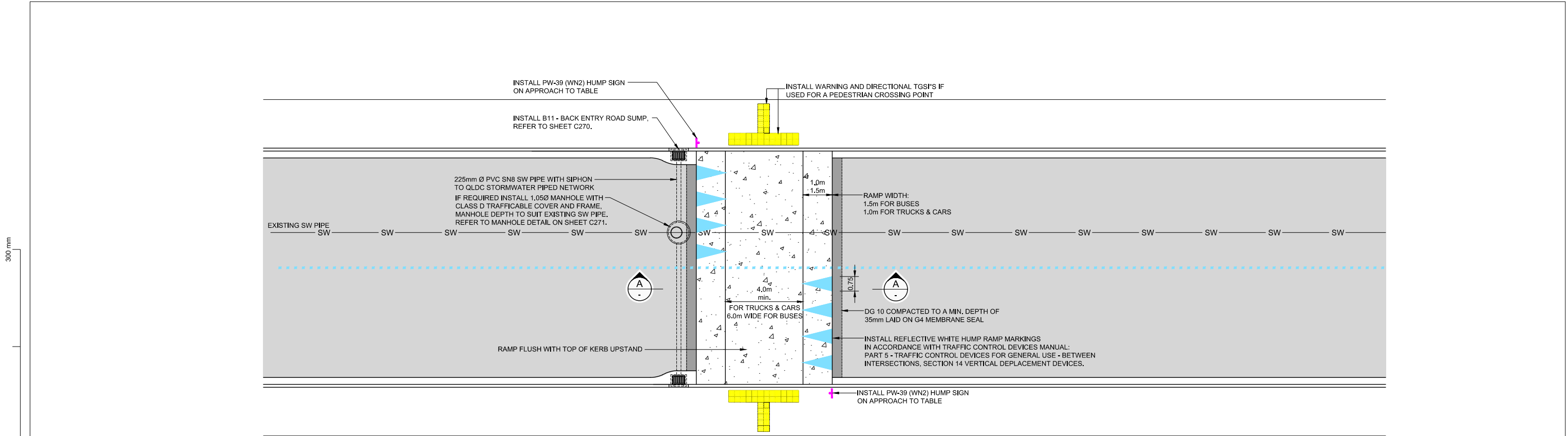
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CIVIL

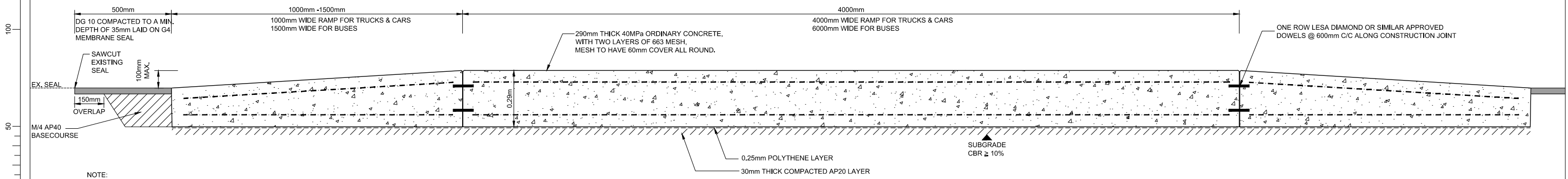
SCALES		ORIGINAL SIZE
1:100 @ A1		A1
DRAWN	DESIGNED	APPROVED
B. MULHOLLAND	B. MULHOLLAND	R. GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S. FORBES	S. SHERLAW	2021-07-09

FOR TENDER

PROJECT			
QUEENSTOWN LAKES DISTRICT COUNCIL			
QUEENSTOWN, LAKES DISTRICT			
WAKATIPU ACTIVE TRAVEL NETWORK - STAGE 2			
TITLE			
CONSTRUCTION DETAILS			
PEDESTRIAN CROSSING POINT AND ROAD NARROWING LAYOUTS			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-XQ141.00	6-XQ141-WSP-01-B2-DR	C275	D

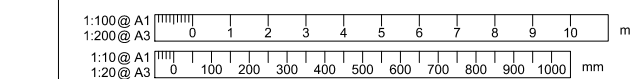


LAYOUT PLAN
SCALE: 1:100 (A1)



CROSS SECTION A-A
SCALE: 1:10 (A1)

NOTE:
1. ALL WORK TO HAVE A TOLERANCE OF ±5mm.
2. REINFORCING TO BE PLACED ON SPACERS
3. ENGINEER TO INSPECT REINFORCING BEFORE CONCRETE PLACEMENT.



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C	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S	2021-08-30
D	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



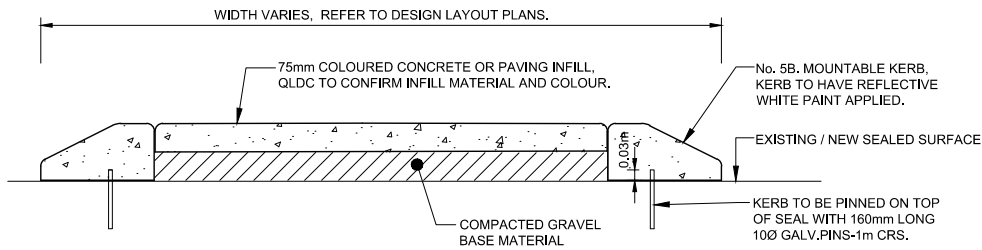
wsp
Queenstown Office
+64 3 451 0360
PO Box 2323
Queenstown 9300
New Zealand

CIVIL

SCALES		ORIGINAL SIZE
1:100 & 1:10 @ A1		A1
DRAWN	DESIGNED	APPROVED
B. MULHOLLAND	B. MULHOLLAND	R.GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S.FORBES	S.SHERLAW	2021-07-09

FOR TENDER

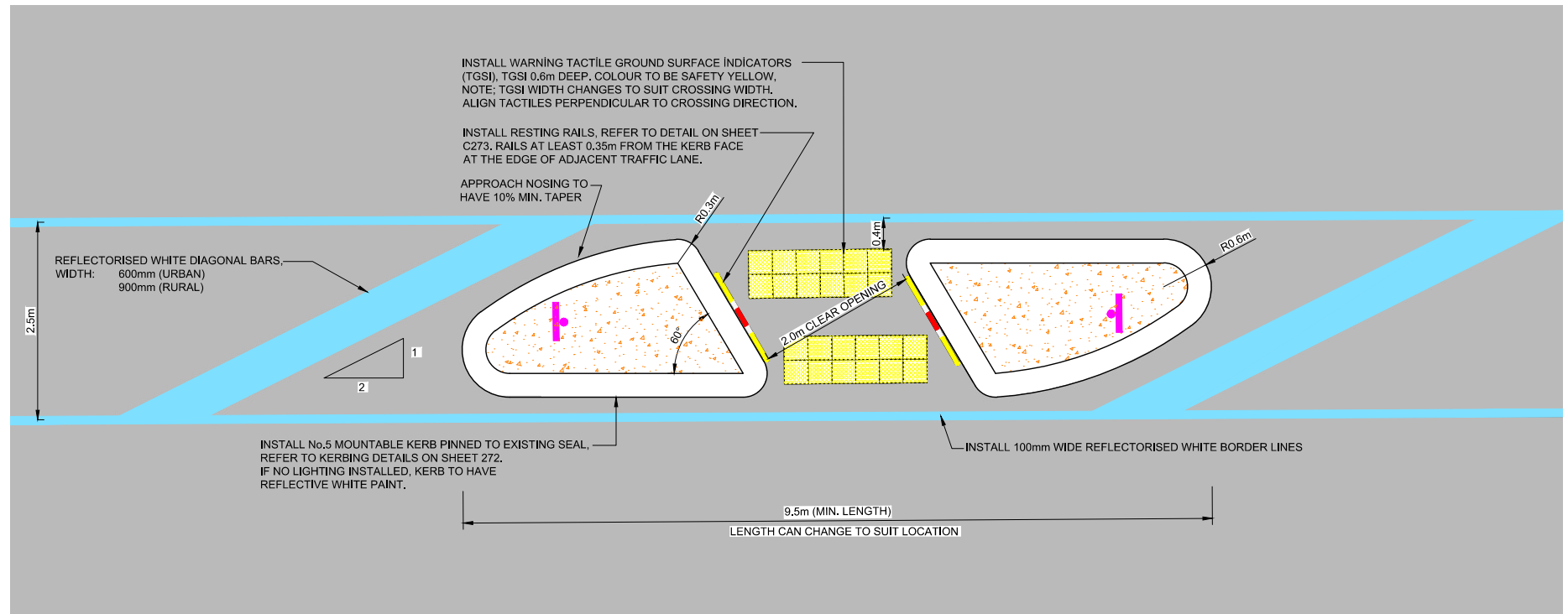
PROJECT		
QUEENSTOWN LAKES DISTRICT COUNCIL QUEENSTOWN, LAKES DISTRICT WAKATIPU ACTIVE TRAVEL NETWORK - STAGE 2		
TITLE		
CONSTRUCTION DETAILS SPEED TABLE / RAISED PLATFORM DETAILS		
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.
6-XQ141.00	6-XQ141-WSP-01-B2-DR	C276
		REVISION
		D



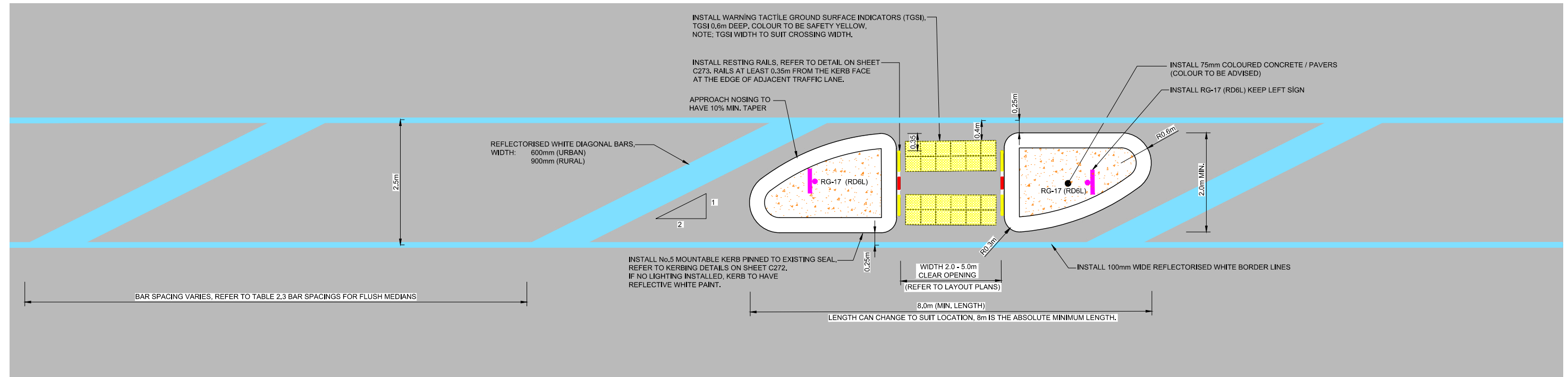
RAISED ISLAND TYPICAL CROSS SECTION
SCALE: 1:10

TABLE 2.3: DIAGONAL BAR SPACING FOR FLUSH MEDIANS

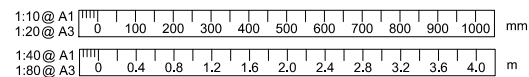
MEDIAN LENGTH	RECOMMENDED RANGE FOR BAR SPACING
LESS THAN 100m	6.0m TO 12.0m
100m TO 500m	10.0m TO 15.0m
MORE THAN 500m	12.0m TO 20.0m



DIAGONAL PEDESTRIAN ISLAND REFUGE LAYOUT
SCALE: 1:40 (A1)



STRAIGHT PEDESTRIAN ISLAND REFUGE LAYOUT
SCALE: 1:40 (A1)



REVISION	AMENDMENT	APPROVED	DATE
A	PRELIMINARY DESIGN ISSUED FOR SAFETY AUDIT	S.S	2021-07-09
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D	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



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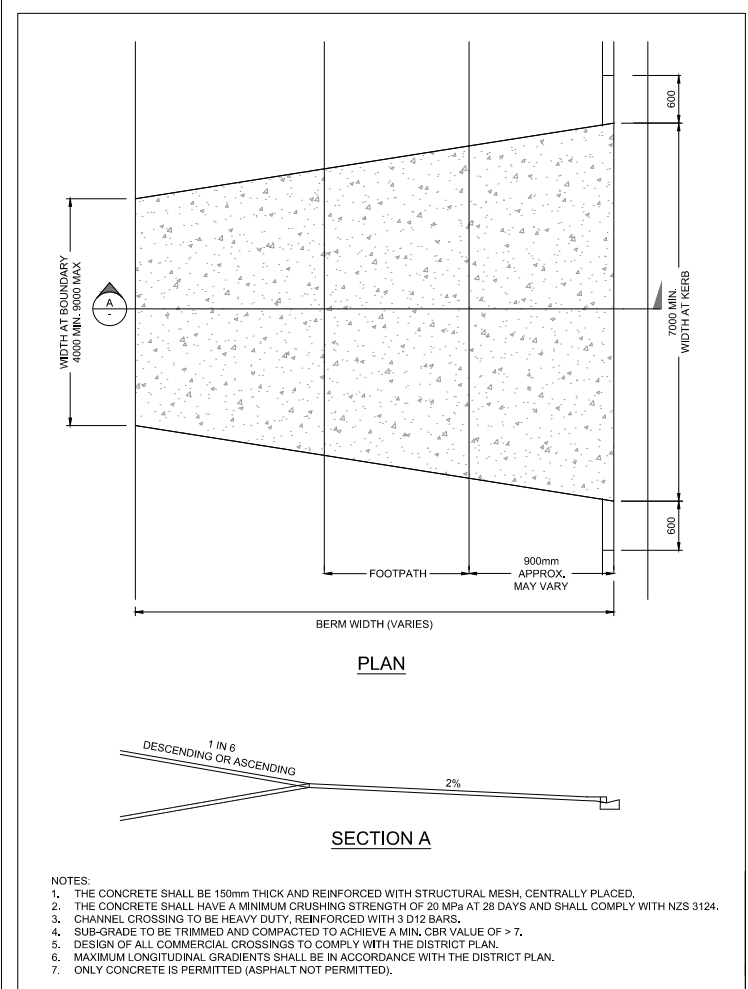
CIVIL

SCALES		ORIGINAL SIZE
1:10 & 1:40 @ A1		A1
DRAWN	DESIGNED	APPROVED
B. MULHOLLAND	B. MULHOLLAND	R. GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S. FORBES	S. SHERLAW	2021-07-09

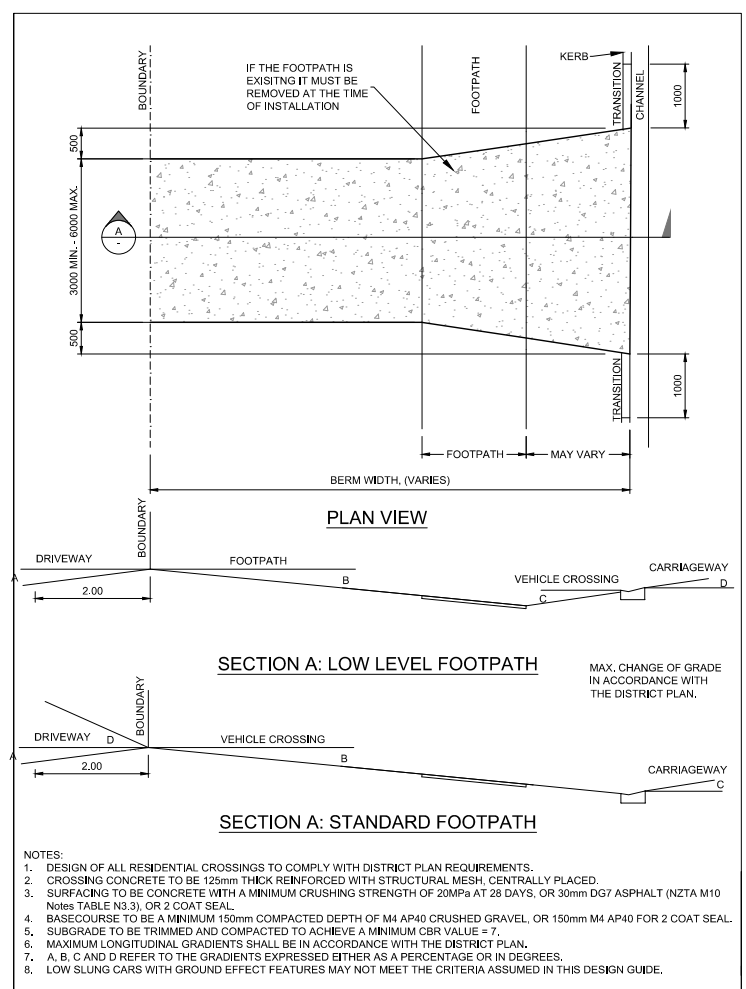
FOR TENDER

PROJECT		
QUEENSTOWN LAKES DISTRICT COUNCIL QUEENSTOWN, LAKES DISTRICT WAKATIPU ACTIVE TRAVEL NETWORK - STAGE 2		
TITLE		
CONSTRUCTION DETAILS FLUSH MEDIAN WITH PEDESTRIAN ISLAND REFUGE DETAILS		
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.
6-XQ141.00	6-XQ141-WSP-01-B2-DR	C277
		REVISION
		D

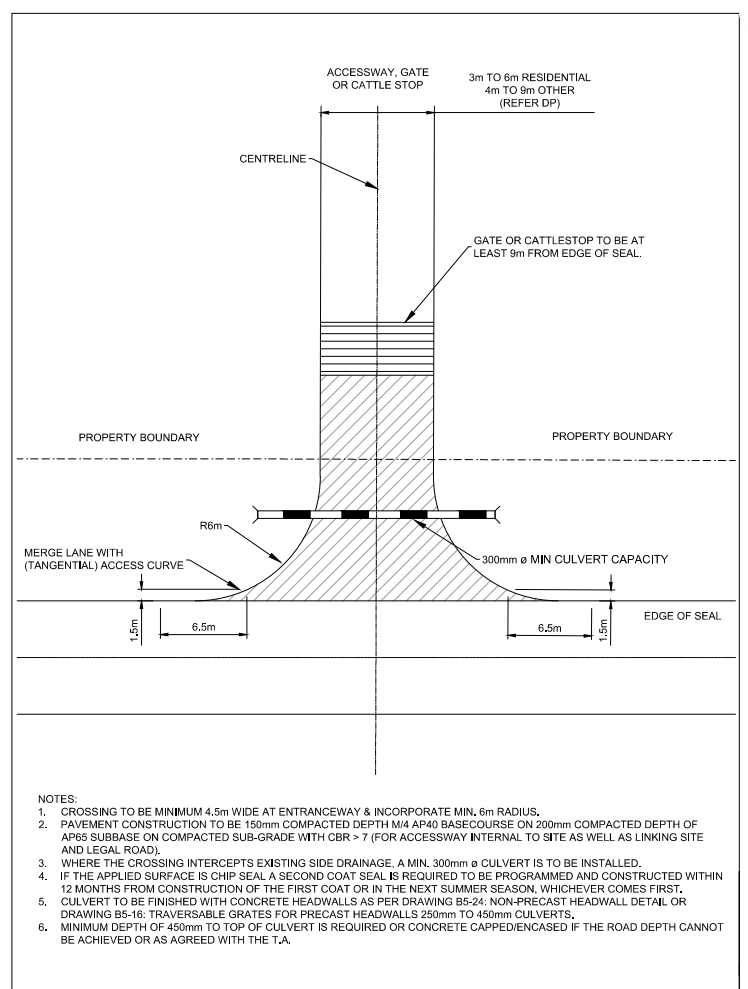
300 mm
200
100
0 10 mm



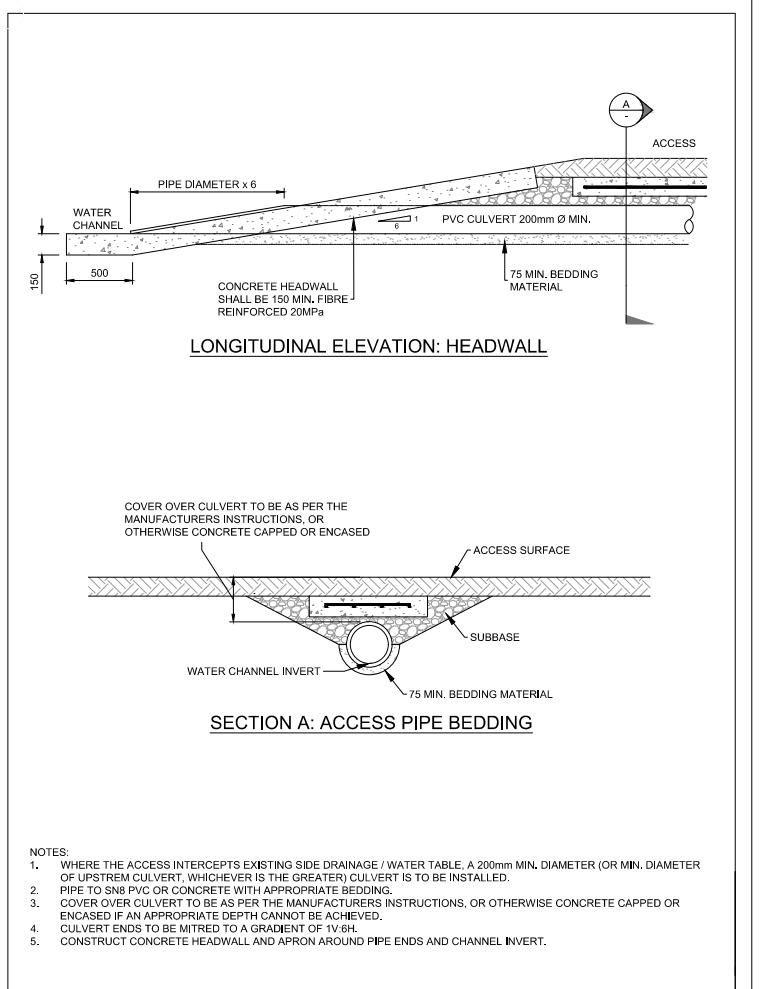
QLDC LDSC 2020 Standard Details
 Revision: Rev Date:
 Drawing Title: **Vehicle Crossing - Commercial / Industrial**
 Drawing No: **NOT TO SCALE B5-19**



QLDC LDSC 2020 Standard Details
 Revision: Rev Date:
 Drawing Title: **Vehicle Crossing - Residential**
 Drawing No: **NOT TO SCALE B5-18**



QLDC LDSC 2020 Standard Details
 Revision: Rev Date:
 Drawing Title: **Private Rural Access**
 Drawing No: **NOT TO SCALE B5-20**



QLDC LDSC 2020 Standard Details
 Revision: Rev Date:
 Drawing Title: **Non-Precast Headwall Detail for Culvert Under Access**
 Drawing No: **NOT TO SCALE B5-21**

REVISION	AMENDMENT	APPROVED	DATE
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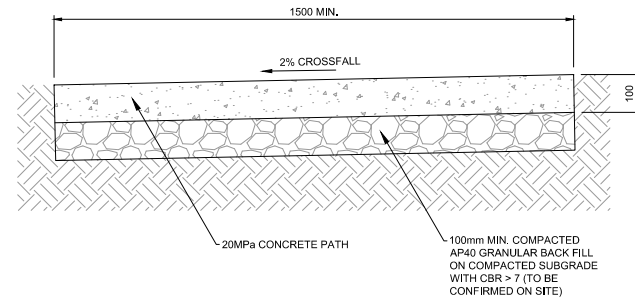


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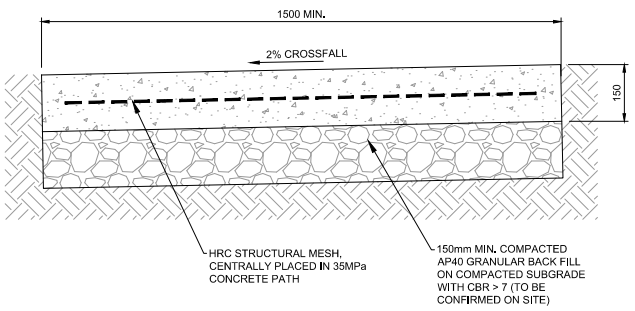
SCALES		ORIGINAL SIZE
N.T.S		A1
DRAWN	DESIGNED	APPROVED
B. MULHOLLAND	B. MULHOLLAND	R. GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S. FORBES	S. SHERLAW	2021-07-09

PROJECT			
QUEENSTOWN LAKES DISTRICT COUNCIL QUEENSTOWN, LAKES DISTRICT WAKATIPU ACTIVE TRAVEL NETWORK - STAGE 2			
TITLE			
CONSTRUCTION DETAILS QLDC LDSC 2020 APPENDIX B - STD CONSTRUCTION DRAWINGS			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-XQ141.00	6-XQ141-WSP-01-B2-DR	C278	D

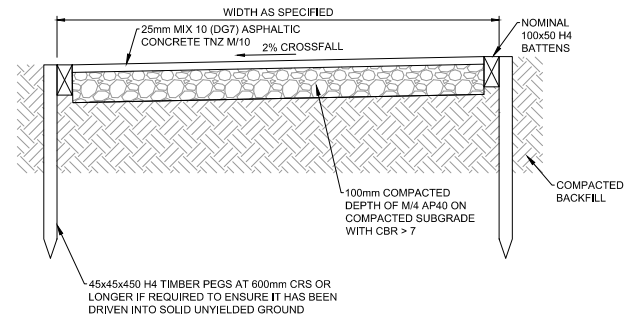
300 mm
200
100
0 10 mm



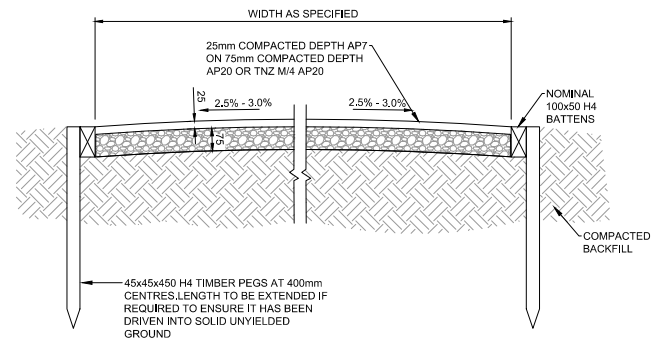
CONCRETE FOOTPATH



HEAVY DUTY CONCRETE FOOTPATH

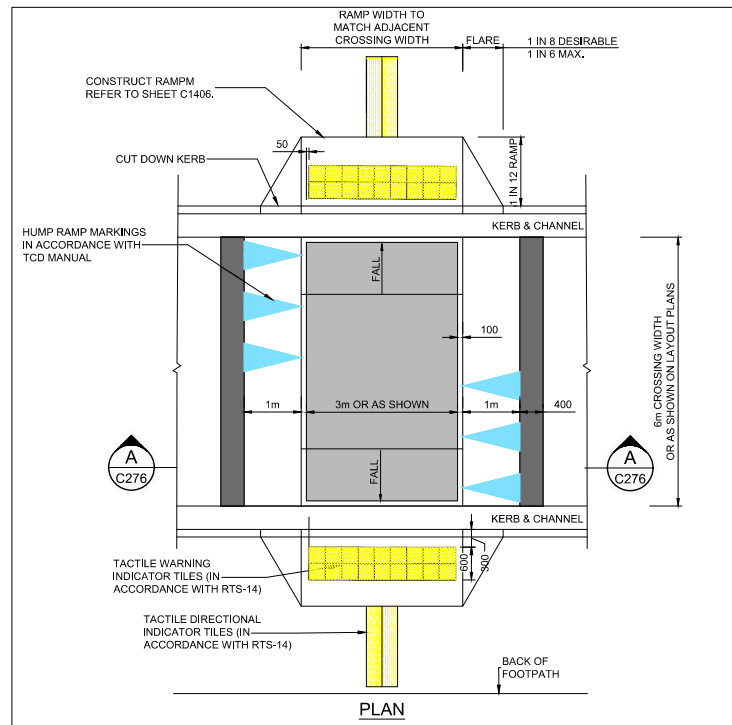


ASPHALT FOOTPATH



GRITTED FOOTPATH

- NOTES:
1. RE. MIN. CBR OF 7 REQUIRED AND SUBBASE OF 75mm.
 2. CROSSFALLS TO BE NOMINALLY 3% (CROWNED OR CONTINUOUS CROSSFALLS AS SPECIFIED).
 3. SUBGRADE & METALCOURSE TO BE TREATED WITH APPROVED SOIL STABILANT.
 4. PEGS CAN BE CUT OFF AT AN ANGLE, FLUSH WITH BOXING ON SIDE AND MINIMUM 5mm DOWN ON THE OTHER.
 5. TRACKS AND TRAILS TO BE DESIGNED AND BUILT AS PER THE QLDC TRACKS AND TRAILS DESIGN GUIDE.



PLAN

QLDC LDSC 2020 Standard Details
Revision: Rev Date:
Drawing Title: **Heavy Duty Footpath**
NOT TO SCALE
Drawing No: **B5-22**

QLDC LDSC 2020 Standard Details
Revision: Rev Date:
Drawing Title: **Footpath - Asphalt & Gritted Detail**
NOT TO SCALE
Drawing No: **B5-23**

QLDC LDSC 2020 Standard Details
Revision: Rev Date:
Drawing Title: **Pedestrian Crossing Detail**
NOT TO SCALE
Drawing No: **B5-24**

REVISION	AMENDMENT	APPROVED	DATE
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D	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



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PO Box 2323
Queenstown 9300
New Zealand

CIVIL

SCALES		ORIGINAL SIZE
N.T.S		A1
DRAWN	DESIGNED	APPROVED
B. MULHOLLAND	B. MULHOLLAND	R. GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S. FORBES	S. SHERLAW	2021-07-09

FOR TENDER

PROJECT
QUEENSTOWN LAKES DISTRICT COUNCIL
QUEENSTOWN, LAKES DISTRICT
WAKATIPU ACTIVE TRAVEL NETWORK - STAGE 2

TITLE
CONSTRUCTION DETAILS
QLDC LDSC 2020 APPENDIX B - STD CONSTRUCTION DRAWINGS

WSP PROJECT NO. 6-XQ141.00	PROJ-ORIG-VOL-LOC-TYPE 6-XQ141-WSP-01-B2-DR	SHEET NO. C279	REVISION D
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UTILITIES AND SERVICES WITHIN ROAD RESERVE

PUBLIC UTILITIES AND PRIVATE SERVICES

THE CONTRACTOR'S ATTENTION IS DRAWN TO CLAUSE 5.13 OF NZS 3910:2013.

IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO UNDERTAKE THE INITIAL LIAISON WITH UTILITY AUTHORITIES TO DETERMINE THE PRESENCE OF SERVICES.

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CHORUS HAS UNDERGROUND FIBRE OPTIC CABLES AND AURORA/DELTA HAS UNDERGROUND AND OVERHEAD HIGH VOLTAGE CABLES AND LIGHTING CABLES IN THE VICINITY OF THE SITE.

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LINZ MAY HAVE SURVEY MARKS WITHIN ROAD RESERVE IN THE VICINITY OF THE SITE. CARE SHOULD BE TAKEN TO PROTECT ALL SURVEY MARKS DURING CONSTRUCTION.

THE UNDERGROUND POWER SUPPLIES ARE HIGH VOLTAGE AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE AWARE OF THE REGULATIONS AND REQUIREMENTS FOR WORKING IN THE PROXIMITY OF THIS POTENTIAL HAZARD AND FOR NOTIFYING THE WORKSAFE NZ.

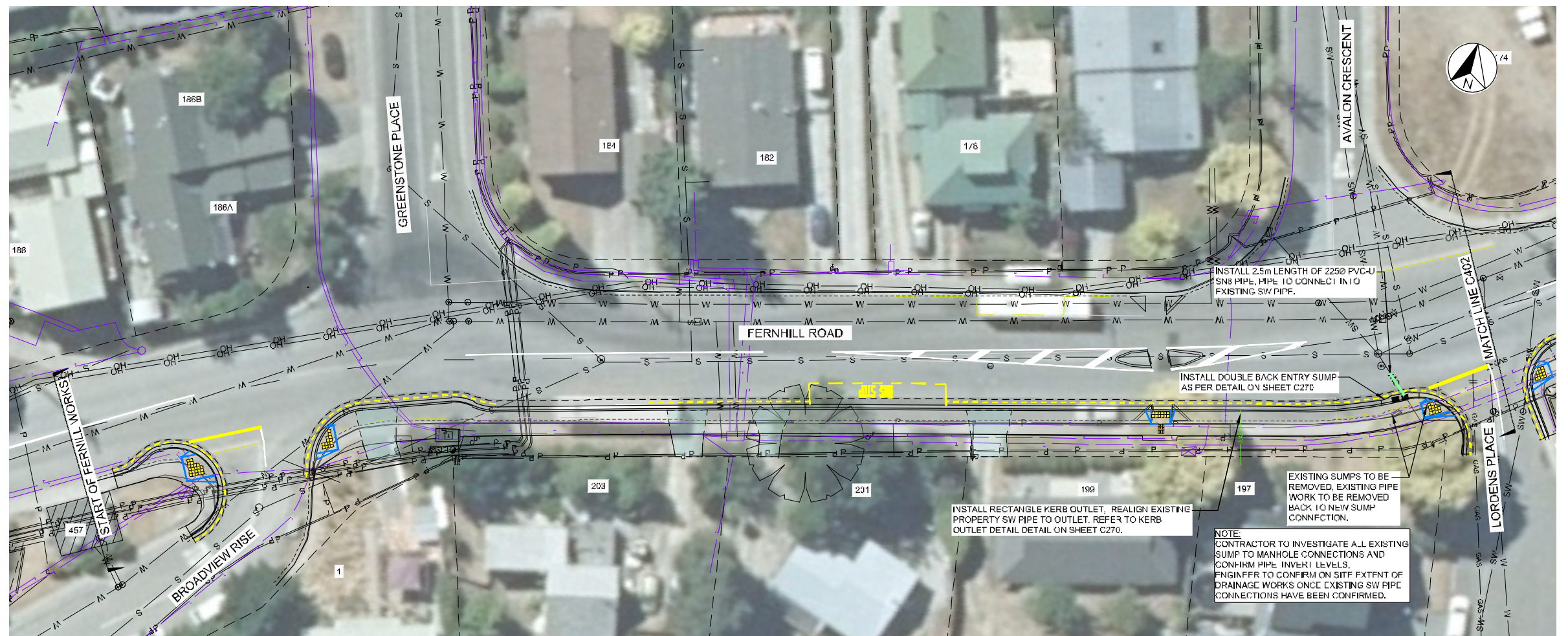
IN ADDITION, ANY EXISTING PRIVATE SERVICES, SUCH AS DRAINAGE, DOMESTIC WATER SUPPLIES, ELECTRICAL SUPPLY, GAS AND CHORUS CONNECTIONS, MUST BE MAINTAINED IN FULL WORKING ORDER THROUGHOUT THE DURATION OF THE WORKS. QLDC CAN PROVIDE INFORMATION ON THE EXISTING COUNCIL SERVICES.

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LAYOUT PLAN

SCALE: 1:250 (A1)

SURVEY LEGEND

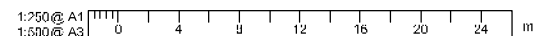
---	LEGAL BOUNDARY
---	KERB & CHANNEL
---	FDGF OF SFAI
□	SUMP
⊙	STORMWATER MANHOLE
⊙	SEWER MANHOLE
⊙	MANHOLE
⊙	TELECOMMUNICATION DOME
⊙	CHORUS
⊙	FIRE HYDRANT
⊙	SLUICE VALVE
⊙	TOSY VALVE
⊙	ELECTRICAL BOX
⊙	POWER POLE
⊙	LIGHT POLE
⊙	SIGN

QLDC SERVICES LEGEND

---	SW	PROPOSED STORMWATER PIPE
---	SW	STORMWATER PIPES
---	---	STORMWATER CHANNEL
---	S	WASTEWATER PIPES
---	W	WATER PIPES
---	P	UNDERGROUND POWER (INDICATIVE)
---	OH	OVERHEAD POWER
---	T	CHORUS (INDICATIVE)
---	GAS	EXISTING GAS MAIN (INDICATIVE)

NEW SERVICES LEGEND

---	SW	PROPOSED STORMWATER PIPE
---	GAS	PROPOSED GAS MAIN REALIGNMENT
⊙	---	NEW DOUBLE BACK ENTRY SUMP
⊙	---	NEW SINGLE BACK ENTRY SUMP



REVISION	AMENDMENT	APPROVED	DATE
A	DETAIL FD DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-08-02
B	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S	2021-08-30
C	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



CIVIL

SCALE 1:250 (A1), 1:500 (A3)	ORIGINAL SIZE A1
DRAWN B MULHOLLAND	DESIGNED B MULHOLLAND
APPROVED S.FORBES	APPROVED DATE 2021-07-09
DESIGN VERIFIED S.SHERLAW	DESIGN VERIFIED S.SHERLAW

FOR TENDER

PROJECT QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - ROUTE B2	TITLE EXISTING SITE LAYOUT WITH EXISTING AND PROPOSED SERVICES LAYOUT PLAN - BROADVIEW RISE TO LORDENS PLACE
WSP PROJECT NO. 6-XQ141.00	PROJECT NO. 6-XQ141-WSP-01-B2-DR
SHEET NO. C401	REVISION C

UTILITIES AND SERVICES WITHIN ROAD RESERVE

PUBLIC UTILITIES AND PRIVATE SERVICES

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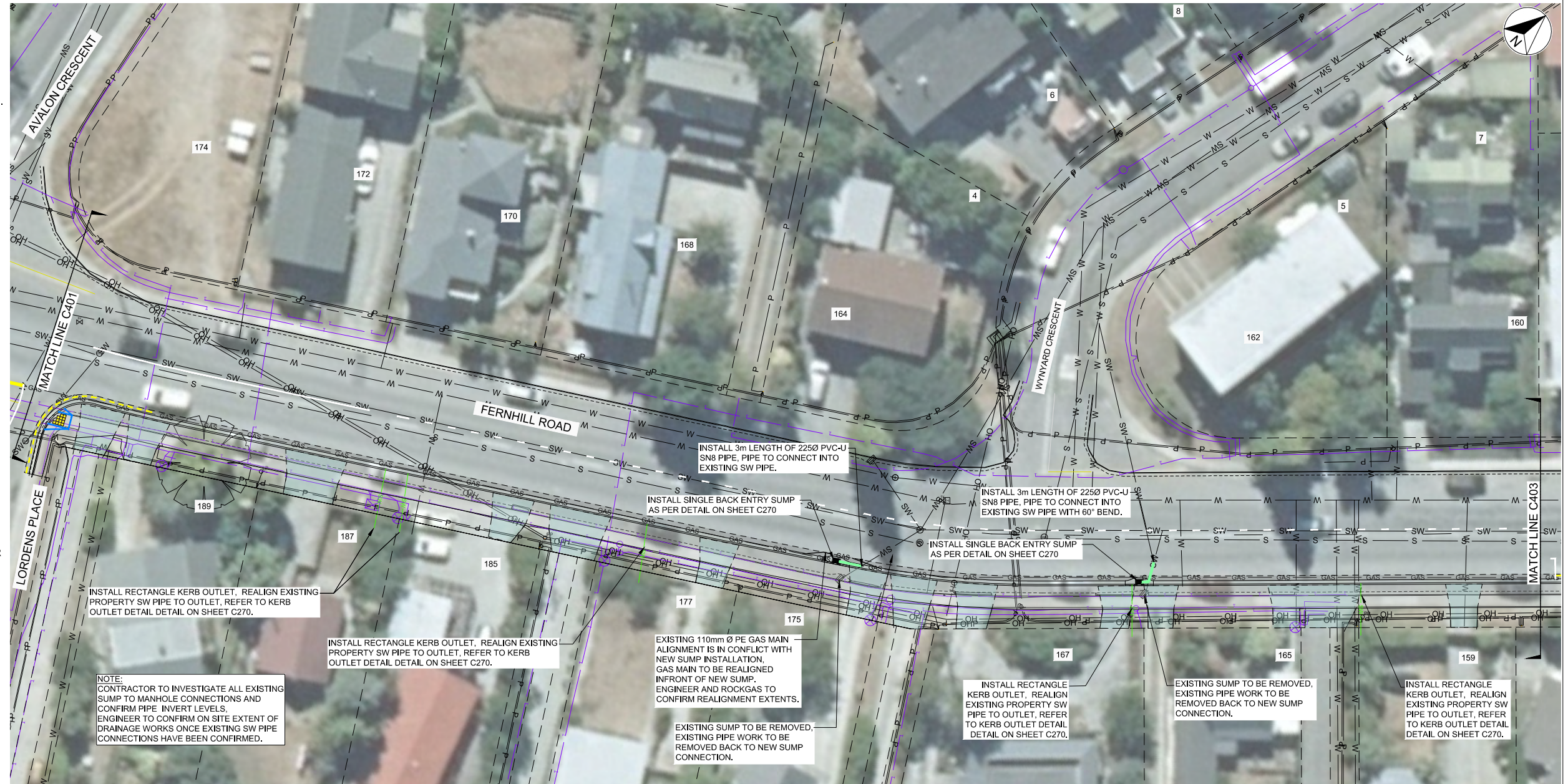
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300 mm
200
100
50
0 10 mm

SURVEY LEGEND

---	LEGAL BOUNDARY
---	KERB & CHANNEL
---	EDGE OF SEAL
⊞	SUMP
⊞ SW	STORMWATER MANHOLE
⊞ SS	SEWER MANHOLE
⊞ MH	MANHOLE
TD	TELECOMMUNICATION DOME
T	CHORUS
FH	FIRE HYDRANT
SV	SLUICE VALVE
TV	TOBY VALVE
E	ELECTRICAL BOX
PP	POWER POLE
LP	LIGHT POLE
◇	SIGN

QLDC SERVICES LEGEND

---	SW	PROPOSED STORMWATER PIPE
---	SW	STORMWATER PIPES
---	---	STORMWATER CHANNEL
---	S	WASTEWATER PIPES
---	W	WATER PIPES
---	P	UNDERGROUND POWER (INDICATIVE)
---	OH	OVERHEAD POWER
---	T	CHORUS (INDICATIVE)
---	GAS	EXISTING GAS MAIN (INDICATIVE)

NEW SERVICES LEGEND

---	SW	PROPOSED STORMWATER PIPE
---	GAS	PROPOSED GAS MAIN REALIGNMENT
⊞	---	NEW DOUBLE BACK ENTRY SUMP
⊞	---	NEW SINGLE BACK ENTRY SUMP

LAYOUT PLAN

SCALE: 1:250 (A1)

1:250 @ A1
1:500 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-08-02
B	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S	2021-08-30
C	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



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Queenstown 9300
New Zealand

CIVIL

SCALES	DESIGNED	APPROVED
1:250 (A1), 1:500 (A3)	B MULHOLLAND	R.GILL

FOR TENDER

PROJECT	DESIGN VERIFIED	APPROVED DATE
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - ROUTE B2	S.SHERLAW	2021-07-09

UTILITIES AND SERVICES WITHIN ROAD RESERVE

PUBLIC UTILITIES AND PRIVATE SERVICES

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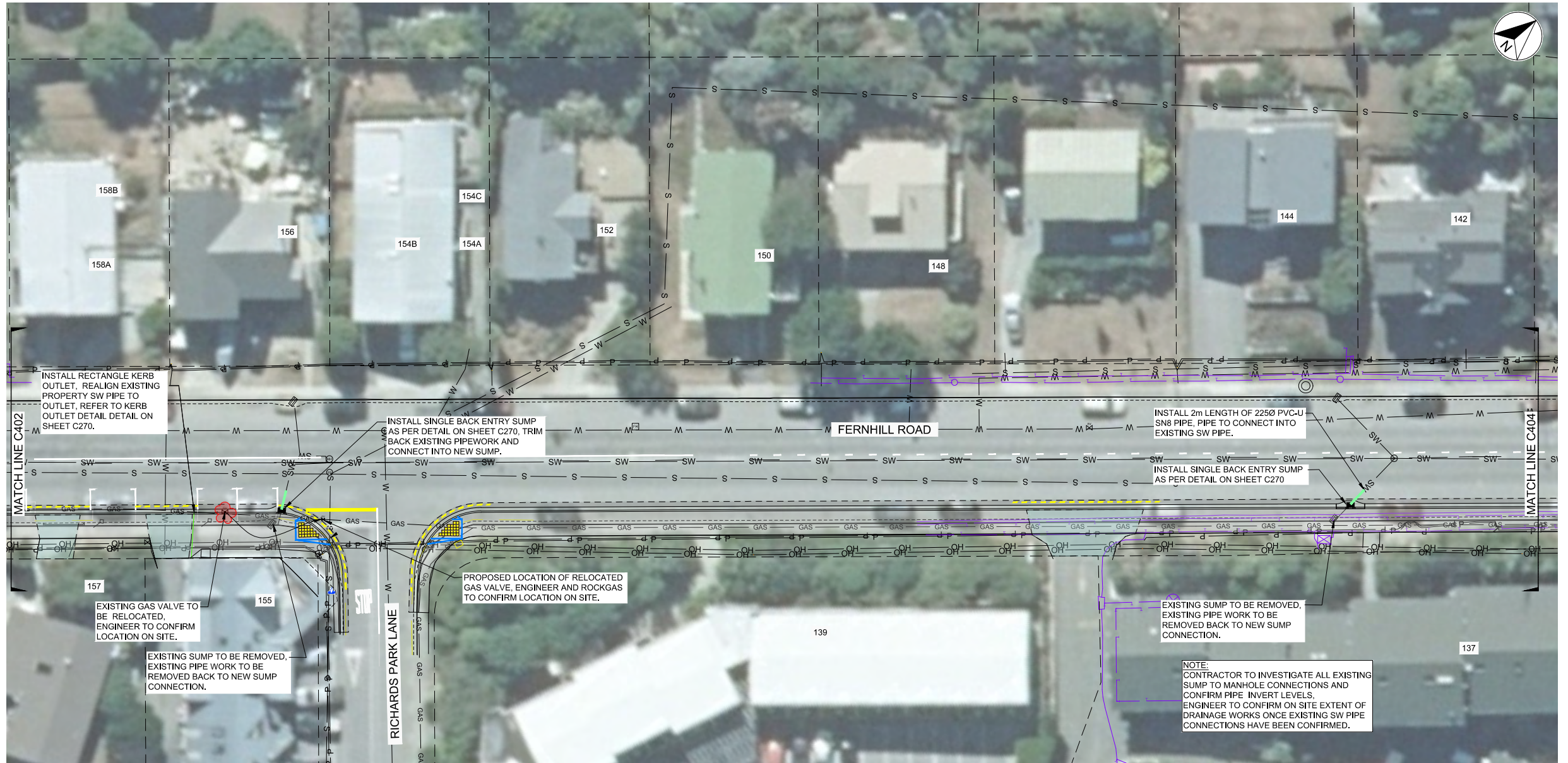
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LAYOUT PLAN

SCALE: 1:250 (A1)

300 mm
200
100
50
0 10 mm

SURVEY LEGEND	
	LEGAL BOUNDARY
	KERB & CHANNEL
	EDGE OF SEAL
	SUMP
	STORMWATER MANHOLE
	SEWER MANHOLE
	MANHOLE
	TELECOMMUNICATION DOME
	CHORUS
	FIRE HYDRANT
	SLUICE VALVE
	TOBY VALVE
	ELECTRICAL BOX
	POWER POLE
	LIGHT POLE
	SIGN

QLDC SERVICES LEGEND	
	PROPOSED STORMWATER PIPE
	STORMWATER PIPES
	STORMWATER CHANNEL
	WASTEWATER PIPES
	WATER PIPES
	UNDERGROUND POWER (INDICATIVE)
	OVERHEAD POWER
	CHORUS (INDICATIVE)
	EXISTING GAS MAIN (INDICATIVE)
NEW SERVICES LEGEND	
	PROPOSED STORMWATER PIPE
	PROPOSED GAS MAIN REALIGNMENT
	NEW DOUBLE BACK ENTRY SUMP
	NEW SINGLE BACK ENTRY SUMP



REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-08-02
B	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S	2021-08-30
C	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



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Queenstown 9300
New Zealand

CIVIL

SCALES		ORIGINAL SIZE
1:250 @ A1	1:500 @ A3	A1
DRAWN	DESIGNED	APPROVED
B MULHOLLAND	B MULHOLLAND	R.GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S.FORBES	S.SHERLAW	2021-07-09

FOR TENDER

PROJECT			
QUEENSTOWN LAKES DISTRICT COUNCIL			
WAKATIPU ACTIVE TRAVEL			
WATN STAGE 2 ROUTES - ROUTE B2			
TITLE			
EXISTING SITE LAYOUT WITH EXISTING AND PROPOSED SERVICES			
LAYOUT PLAN - RICHARDS PARK LANE TO CAMERON PLACE			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-QX141.00	6-QX141-WSP-01-B2-DR	C403	C

UTILITIES AND SERVICES WITHIN ROAD RESERVE

PUBLIC UTILITIES AND PRIVATE SERVICES

THE CONTRACTOR'S ATTENTION IS DRAWN TO CLAUSE 5.13 OF NZS 3910:2013.

IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO UNDERTAKE THE INITIAL LIAISON WITH UTILITY AUTHORITIES TO DETERMINE THE PRESENCE OF SERVICES.

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CHORUS HAS UNDERGROUND FIBRE OPTIC CABLES AND AURORA/DELTA HAS UNDERGROUND AND OVERHEAD HIGH VOLTAGE CABLES AND LIGHTING CABLES IN THE VICINITY OF THE SITE.

ROCKGAS HAS UNDERGROUND PIPED INFRASTRUCTURE IN THE VICINITY OF WORKS.

LINZ MAY HAVE SURVEY MARKS WITHIN ROAD RESERVE IN THE VICINITY OF THE SITE, CARE SHOULD BE TAKEN TO PROTECT ALL SURVEY MARKS DURING CONSTRUCTION.

THE UNDERGROUND POWER SUPPLIES ARE HIGH VOLTAGE AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE AWARE OF THE REGULATIONS AND REQUIREMENTS FOR WORKING IN THE PROXIMITY OF THIS POTENTIAL HAZARD AND FOR NOTIFYING THE WORKSAFE NZ.

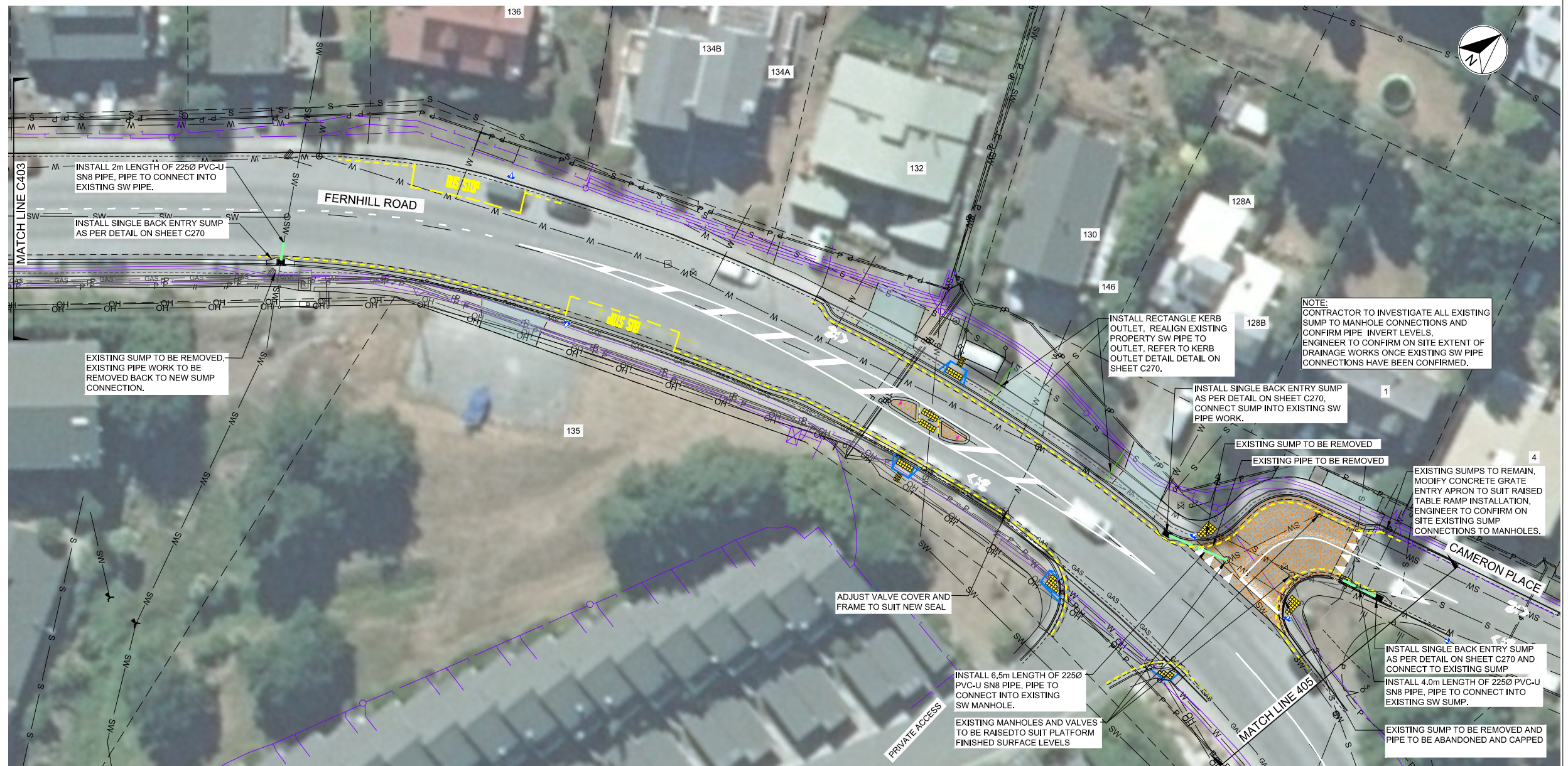
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THE CONTRACTOR MUST PERMIT THE ENTRY OF NETWORK UTILITY OPERATOR WORKMEN WHO MAY BE REQUIRED TO CARRY OUT REPAIRS OR OTHER WORK ON THE SERVICES.

ALL SERVICES AND UTILITY COVERS AND FRAMES ARE TO BE RAISED / RELOCATED IN ACCORDANCE WITH QUEENSTOWN LAKES DISTRICT COUNCIL (QLDC) LAND DEVELOPMENT AND SUBDIVISION CODE OF PRACTICE & APPENDIX B STANDARD CONSTRUCTION DRAWINGS.

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LAYOUT PLAN
SCALE: 1:250 (A1)

300 mm
200
100
50
0 10 mm

SURVEY LEGEND

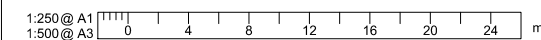
---	LEGAL BOUNDARY
---	KERB & CHANNEL
---	EDGE OF SEAL
□	SUMP
⊙	STORMWATER MANHOLE
⊙	SEWER MANHOLE
⊙	MANHOLE
TD	TELECOMMUNICATION DOME
T	CHORUS
FH	FIRE HYDRANT
SV	SLUICE VALVE
TV	TOBY VALVE
E	ELECTRICAL BOX
PP	POWER POLE
LP	LIGHT POLE
◇	SIGN

QLDC SERVICES LEGEND

---	SW	PROPOSED STORMWATER PIPE
---	SW	STORMWATER PIPES
---	---	STORMWATER CHANNEL
---	S	WASTEWATER PIPES
---	W	WATER PIPES
---	P	UNDERGROUND POWER (INDICATIVE)
---	OH	OVERHEAD POWER
---	T	CHORUS (INDICATIVE)
---	GAS	GAS EXISTING GAS MAIN (INDICATIVE)

NEW SERVICES LEGEND

---	SW	PROPOSED STORMWATER PIPE
---	GAS	PROPOSED GAS MAIN REALIGNMENT
□	---	NEW DOUBLE BACK ENTRY SUMP
□	---	NEW SINGLE BACK ENTRY SUMP



REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-08-02
B	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S	2021-08-30
C	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



wsp
Queenstown Office
+64 3 451 0360
PO Box 2323
Queenstown 9300
New Zealand

CIVIL

SCALES		ORIGINAL SIZE
1:250 (A1), 1:500 (A3)		A1
DRAWN	DESIGNED	APPROVED
B MULHOLLAND	B MULHOLLAND	R.GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S.FORBES	S.SHERLAW	2021-07-09

FOR TENDER

PROJECT			
QUEENSTOWN LAKES DISTRICT COUNCIL			
WAKATIPU ACTIVE TRAVEL			
WATN STAGE 2 ROUTES - ROUTE B2			
TITLE			
EXISTING SITE LAYOUT WITH EXISTING AND PROPOSED SERVICES			
LAYOUT PLAN - RICHARDS PARK LANE TO CAMERON PLACE			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-XQ141.00	6-XQ141-WSP-01-B2-DR	C404	C

UTILITIES AND SERVICES WITHIN ROAD RESERVE

PUBLIC UTILITIES AND PRIVATE SERVICES

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LAYOUT PLAN

SCALE: 1:250 (A1)

SURVEY LEGEND

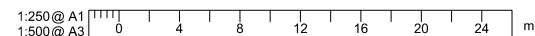
---	LEGAL BOUNDARY
---	KERB & CHANNEL
---	EDGE OF SEAL
□	SUMP
⊙	STORMWATER MANHOLE
⊙	SEWER MANHOLE
⊙	MANHOLE
⊙	TELECOMMUNICATION DOME
⊙	CHORUS
⊙	FIRE HYDRANT
⊙	SLUICE VALVE
⊙	TOBY VALVE
⊙	ELECTRICAL BOX
⊙	POWER POLE
⊙	LIGHT POLE
⊙	SIGN

QLDC SERVICES LEGEND

---	SW	PROPOSED STORMWATER PIPE
---	SW	STORMWATER PIPES
---	---	STORMWATER CHANNEL
---	S	WASTEWATER PIPES
---	W	WATER PIPES
---	P	UNDERGROUND POWER (INDICATIVE)
---	OH	OVERHEAD POWER
---	T	CHORUS (INDICATIVE)
---	GAS	EXISTING GAS MAIN (INDICATIVE)

NEW SERVICES LEGEND

---	SW	PROPOSED STORMWATER PIPE
---	GAS	PROPOSED GAS MAIN REALIGNMENT
---	---	NEW DOUBLE BACK ENTRY SUMP
---	---	NEW SINGLE BACK ENTRY SUMP



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DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S.FORBES	S.SHERLAW	2021-07-09

FOR TENDER

PROJECT		SHEET NO.		REVISION	
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - ROUTE B2		C405		C	
TITLE		PROJECT NO.		PROJECT ORG-VOL-LOC-TYPE	
EXISTING SITE LAYOUT WITH EXISTING AND PROPOSED SERVICES LAYOUT PLAN - CAMERON PLACE		6-QX141.00		6-QX141-WSP-01-B2-DR	
WSP PROJECT NO.		PROJECT ORG-VOL-LOC-TYPE		SHEET NO.	
6-QX141.00		6-QX141-WSP-01-B2-DR		C405	

UTILITIES AND SERVICES WITHIN ROAD RESERVE
PUBLIC UTILITIES AND PRIVATE SERVICES

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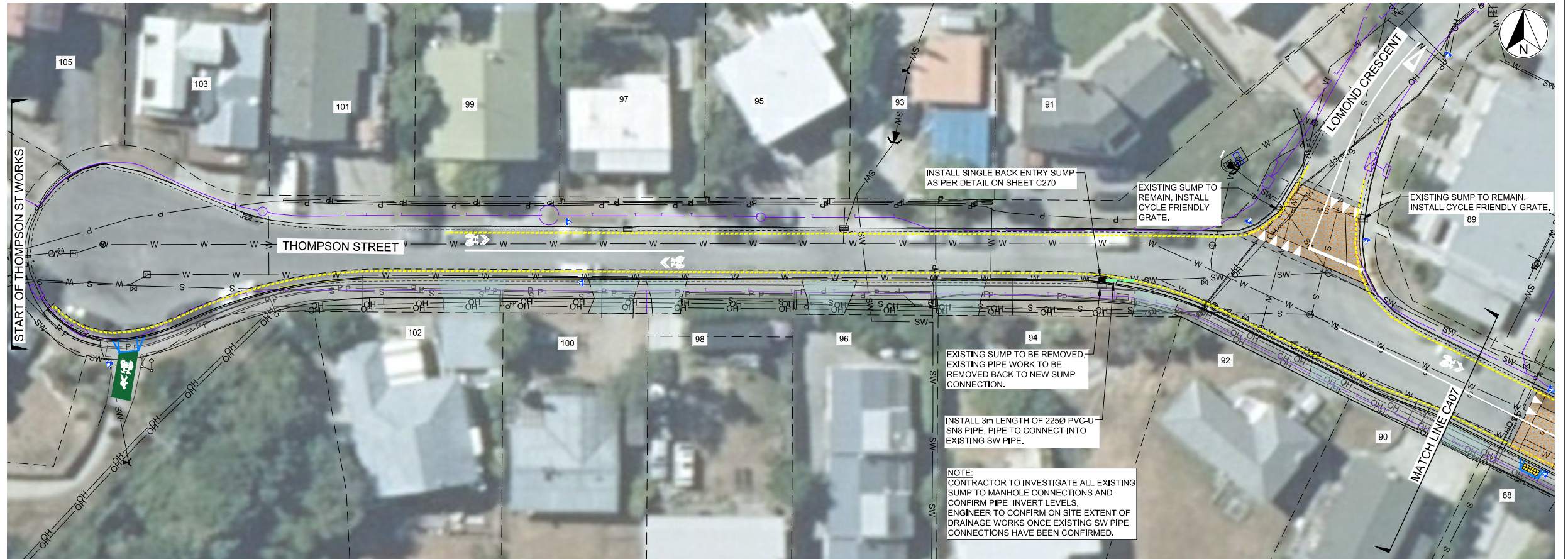
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LAYOUT PLAN
 SCALE: 1:250 (A1)

300 mm
200
100
50
0 10 mm

SURVEY LEGEND	
	LEGAL BOUNDARY
	KERB & CHANNEL
	EDGE OF SEAL
	SUMP
	STORMWATER MANHOLE
	SEWER MANHOLE
	MANHOLE
	TELECOMMUNICATION DOME
	CHORUS
	FIRE HYDRANT
	SLUICE VALVE
	TOBY VALVE
	ELECTRICAL BOX
	POWER POLE
	LIGHT POLE
	SIGN

QLDC SERVICES LEGEND	
	PROPOSED STORMWATER PIPE
	STORMWATER PIPES
	STORMWATER CHANNEL
	WASTEWATER PIPES
	WATER PIPES
	UNDERGROUND POWER (INDICATIVE)
	OVERHEAD POWER
	CHORUS (INDICATIVE)
	GAS EXISTING GAS MAIN (INDICATIVE)
NEW SERVICES LEGEND	
	PROPOSED STORMWATER PIPE
	PROPOSED GAS MAIN REALIGNMENT
	NEW DOUBLE BACK ENTRY SUMP
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DRAWN	DESIGNED	APPROVED	
B MULHOLLAND	B MULHOLLAND	R.GILL	
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE	
S.FORBES	S.SHERLAW	2021-07-09	
FOR TENDER			

PROJECT			
QUEENSTOWN LAKES DISTRICT COUNCIL			
WAKATIPU ACTIVE TRAVEL			
WATN STAGE 2 ROUTES - ROUTE B2			
TITLE			
EXISTING SITE LAYOUT WITH EXISTING AND PROPOSED SERVICES			
LAYOUT PLAN - THOMPSON STREET			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-XQ141.00	6-XQ141-WSP-01-B2-DR	C406	C

UTILITIES AND SERVICES WITHIN ROAD RESERVE
PUBLIC UTILITIES AND PRIVATE SERVICES

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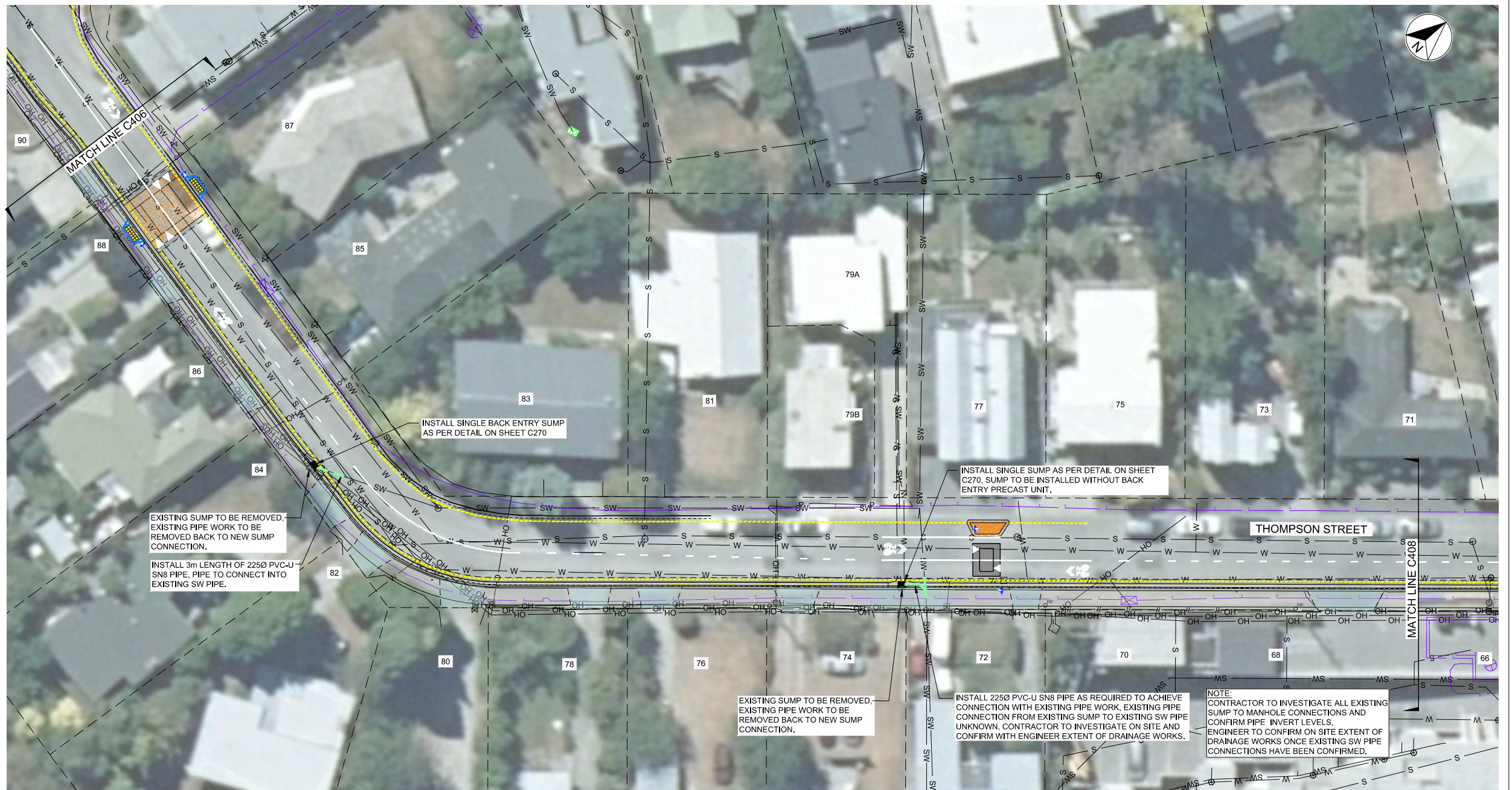
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300 mm
200
100
50
0 10 mm

SURVEY LEGEND

- LEGAL BOUNDARY
- KERB & CHANNEL
- - - EDGE OF SEAL
- SUMP
- ⊙ (SW) STORMWATER MANHOLE
- ⊙ (SS) SEWER MANHOLE
- ⊙ (MH) MANHOLE
- TD TELECOMMUNICATION DOME
- ⊙ (T) CHORUS
- ⊙ (FH) FIRE HYDRANT
- ⊙ (SV) SLUICE VALVE
- ⊙ (TV) TOBY VALVE
- ⊙ (E) ELECTRICAL BOX
- ⊙ (PP) POWER POLE
- ⊙ (LP) LIGHT POLE
- ⊙ (S) SIGN

QLDC SERVICES LEGEND

- SW — PROPOSED STORMWATER PIPE
- SW — STORMWATER PIPES
- >—>— STORMWATER CHANNEL
- S — WASTEWATER PIPES
- W — WATER PIPES
- P — UNDERGROUND POWER (INDICATIVE)
- OH — OVERHEAD POWER
- T — CHORUS (INDICATIVE)
- GAS — GAS — EXISTING GAS MAIN (INDICATIVE)

NEW SERVICES LEGEND

- SW — PROPOSED STORMWATER PIPE
- GAS — GAS — PROPOSED GAS MAIN REALIGNMENT
- ⊙ (DBE) NEW DOUBLE BACK ENTRY SUMP
- ⊙ (SBE) NEW SINGLE BACK ENTRY SUMP

1:250 @ A1
1:500 @ A3

REVISION	AMENDMENT	APPROVED	DATE
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B MULHOLLAND	S.SHERLAW	2021-07-09	
DRAWING VERIFIED			
S.FORBES			

FOR TENDER

PROJECT		SHEET NO.	
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - ROUTE B2		C407	
TITLE		REVISION	
EXISTING SITE LAYOUT WITH EXISTING AND PROPOSED SERVICES LAYOUT PLAN - THOMPSON STREET		C	
WSP PROJECT NO. 6-QX141.00	PROJ-ORIG-VOL-LOC-TYPE 6-QX141-WSP-01-B2-DR		

UTILITIES AND SERVICES WITHIN ROAD RESERVE

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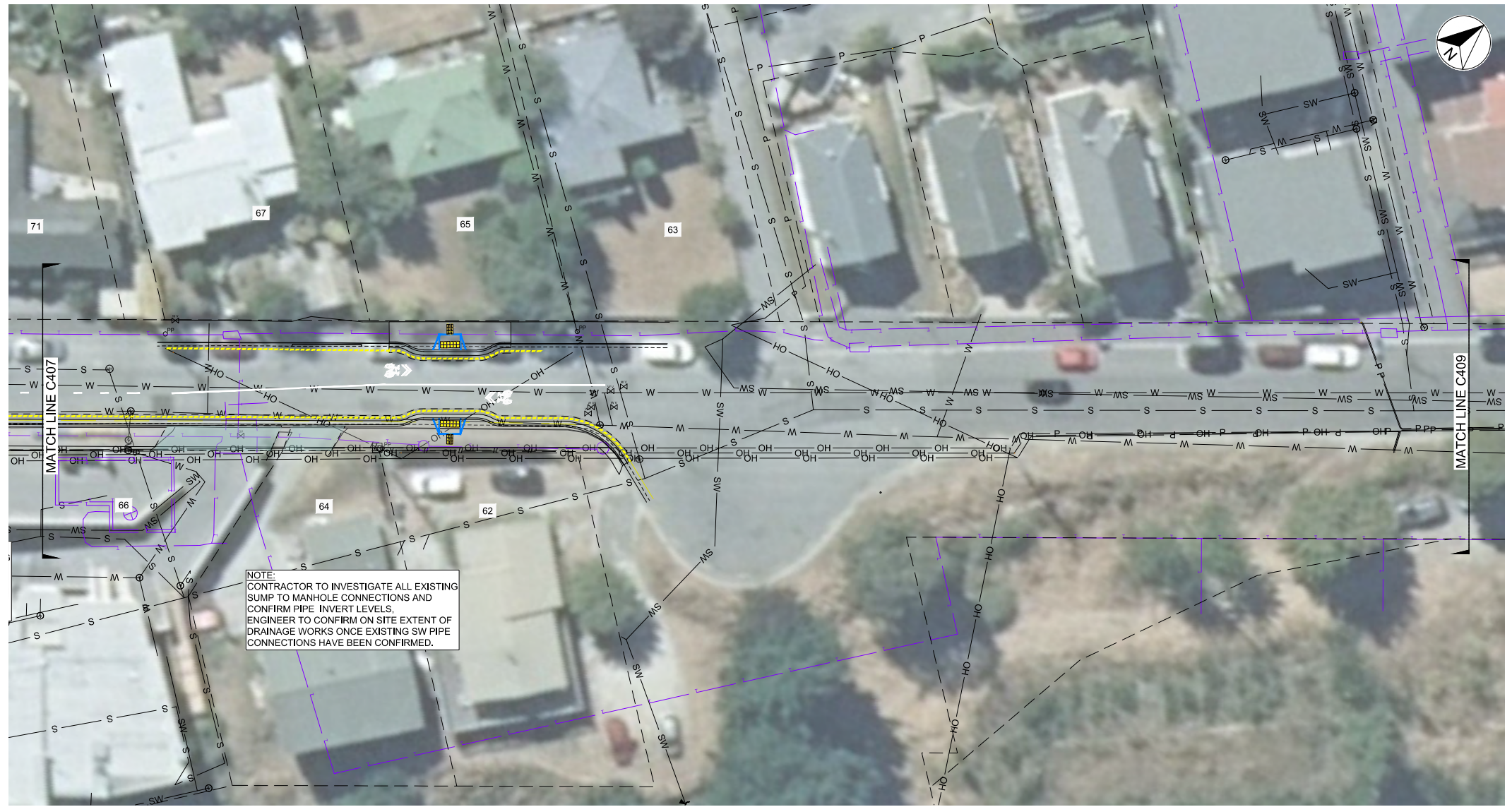
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LAYOUT PLAN
SCALE: 1:250 (A1)

300 mm
200
100
0 10 mm

SURVEY LEGEND	
	LEGAL BOUNDARY
	KERB & CHANNEL
	EDGE OF SEAL
	SUMP
	STORMWATER MANHOLE
	SEWER MANHOLE
	MANHOLE
	TELECOMMUNICATION DOME
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	TOBY VALVE
	ELECTRICAL BOX
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	PROPOSED STORMWATER PIPE
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	WATER PIPES
	UNDERGROUND POWER (INDICATIVE)
	OVERHEAD POWER
	CHORUS (INDICATIVE)
	GAS EXISTING GAS MAIN (INDICATIVE)
NEW SERVICES LEGEND	
	PROPOSED STORMWATER PIPE
	PROPOSED GAS MAIN REALIGNMENT
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FOR TENDER

PROJECT		SHEET NO.	
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - ROUTE B2		C408	
TITLE			
EXISTING SITE LAYOUT WITH EXISTING AND PROPOSED SERVICES LAYOUT PLAN - THOMPSON STREET			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-QX141.00	6-QX141-WSP-01-B2-DR	C408	C

UTILITIES AND SERVICES WITHIN ROAD RESERVE

PUBLIC UTILITIES AND PRIVATE SERVICES

THE CONTRACTOR'S ATTENTION IS DRAWN TO CLAUSE 5.13 OF NZS 3910:2013.

IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO UNDERTAKE THE INITIAL LIAISON WITH UTILITY AUTHORITIES TO DETERMINE THE PRESENCE OF SERVICES.

THE CONTRACTOR SHALL DETERMINE THE PRESENCE OF SERVICES AT SUCH A TIME SO THAT CRITICAL PATH ITEMS IN THE PROGRAMME ARE NOT AFFECTED SHOULD THE LOCATED SERVICES NEED TO BE RELOCATED, OR TWO WEEKS IN ADVANCE OF WORKS COMMENCING WHERE THEY MAY BE AFFECTED BY SERVICES.

CHORUS HAS UNDERGROUND FIBRE OPTIC CABLES AND AURORA/DELTA HAS UNDERGROUND AND OVERHEAD HIGH VOLTAGE CABLES AND LIGHTING CABLES IN THE VICINITY OF THE SITE.

ROCKGAS HAS UNDERGROUND PIPED INFRASTRUCTURE IN THE VICINITY OF WORKS.

LINZ MAY HAVE SURVEY MARKS WITHIN ROAD RESERVE IN THE VICINITY OF THE SITE, CARE SHOULD BE TAKEN TO PROTECT ALL SURVEY MARKS DURING CONSTRUCTION.

THE UNDERGROUND POWER SUPPLIES ARE HIGH VOLTAGE AND IT IS THE CONTRACTORS RESPONSIBILITY TO BE AWARE OF THE REGULATIONS AND REQUIREMENTS FOR WORKING IN THE PROXIMITY OF THIS POTENTIAL HAZARD AND FOR NOTIFYING THE WORKSAFE NZ.

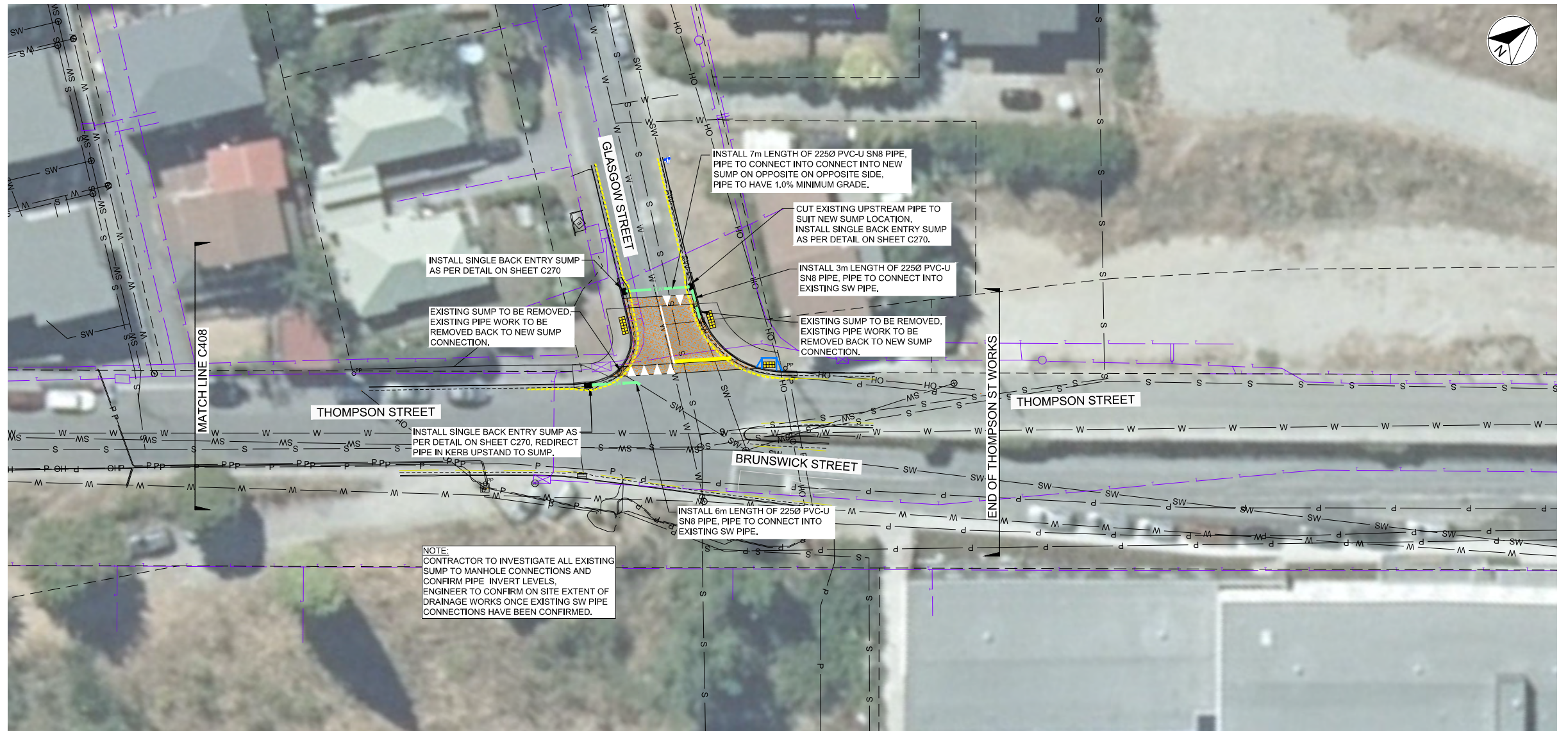
IN ADDITION, ANY EXISTING PRIVATE SERVICES, SUCH AS DRAINAGE, DOMESTIC WATER SUPPLIES, ELECTRICAL SUPPLY, GAS AND CHORUS CONNECTIONS, MUST BE MAINTAINED IN FULL WORKING ORDER THROUGHOUT THE DURATION OF THE WORKS. QLDC CAN PROVIDE INFORMATION ON THE EXISTING COUNCIL SERVICES.

THE CONTRACTOR MUST MAKE ALLOWANCE FOR ANY INCONVENIENCE IN CARRYING OUT THE CONSTRUCTION WITHOUT CAUSING DAMAGE OR DISRUPTION TO VARIOUS SERVICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPAIR FOR ANY DAMAGE THAT OCCURS DURING CONSTRUCTION.

THE CONTRACTOR MUST PERMIT THE ENTRY OF NETWORK UTILITY OPERATOR WORKMEN WHO MAY BE REQUIRED TO CARRY OUT REPAIRS OR OTHER WORK ON THE SERVICES.

ALL SERVICES AND UTILITY COVERS AND FRAMES ARE TO BE RAISED / RELOCATED IN ACCORDANCE WITH QUEENSTOWN LAKES DISTRICT COUNCIL (QLDC) LAND DEVELOPMENT AND SUBDIVISION CODE OF PRACTICE & APPENDIX B STANDARD CONSTRUCTION DRAWINGS.

ALL SERVICE AND UTILITY COVERS ARE TO BE SET FLUSH WITH THE FINISHED FOOTPATH / ROAD SURFACE, IF THERE IS A LIP GREATER THAN 5mm IN THE FOOTPATH THE CONTRACTOR MUST REMOVE AND RESET COVER & FRAME FLUSH WITH THE SURROUNDING FOOTPATH SURFACE.



LAYOUT PLAN

SCALE: 1:250 (A1)

300 mm
200
100
50
0 10 mm

SURVEY LEGEND

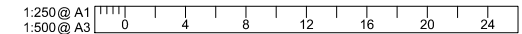
---	LEGAL BOUNDARY
---	KERB & CHANNEL
---	EDGE OF SEAL
□	SUMP
○ SW	STORMWATER MANHOLE
○ SS	SEWER MANHOLE
○ MH	MANHOLE
TD	TELECOMMUNICATION DOME
T	CHORUS
FH	FIRE HYDRANT
SV	SLUICE VALVE
TV	TOBY VALVE
E	ELECTRICAL BOX
PP	POWER POLE
LP	LIGHT POLE
◇	SIGN

QLDC SERVICES LEGEND

---	SW	PROPOSED STORMWATER PIPE
---	SW	STORMWATER PIPES
---	---	STORMWATER CHANNEL
---	S	WASTEWATER PIPES
---	W	WATER PIPES
---	P	UNDERGROUND POWER (INDICATIVE)
---	OH	OVERHEAD POWER
---	CHORUS	CHORUS (INDICATIVE)
---	GAS	GAS EXISTING GAS MAIN (INDICATIVE)

NEW SERVICES LEGEND

---	SW	PROPOSED STORMWATER PIPE
---	GAS	PROPOSED GAS MAIN REALIGNMENT
□	---	NEW DOUBLE BACK ENTRY SUMP
□	---	NEW SINGLE BACK ENTRY SUMP



REVISION	AMENDMENT	APPROVED	DATE
A	DETAILED DESIGN ISSUED FOR CLIENT REVIEW	S.S	2021-08-02
B	DETAILED DESIGN ISSUED FOR CLIENT APPROVAL	S.S	2021-08-30
C	DETAILED DESIGN ISSUED FOR TENDER	S.S	2021-10-22



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CIVIL

SCALES		ORIGINAL SIZE
1:250 @ A1	1:500 @ A3	A1
DRAWN	DESIGNED	APPROVED
B MULHOLLAND	B MULHOLLAND	R.GILL
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
S.FORBES	S.SHERLAW	2021-07-09

FOR TENDER

PROJECT			
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - ROUTE B2			
TITLE			
EXISTING SITE LAYOUT WITH EXISTING AND PROPOSED SERVICES LAYOUT PLAN - THOMPSON STREET- GLASGOW STREET			
WSP PROJECT NO. 6-XQ141.00	PROJ-ORIG-VOL-LOC-TYPE 6-XQ141-WSP-01-B2-DR	SHEET NO. C409	REVISION C