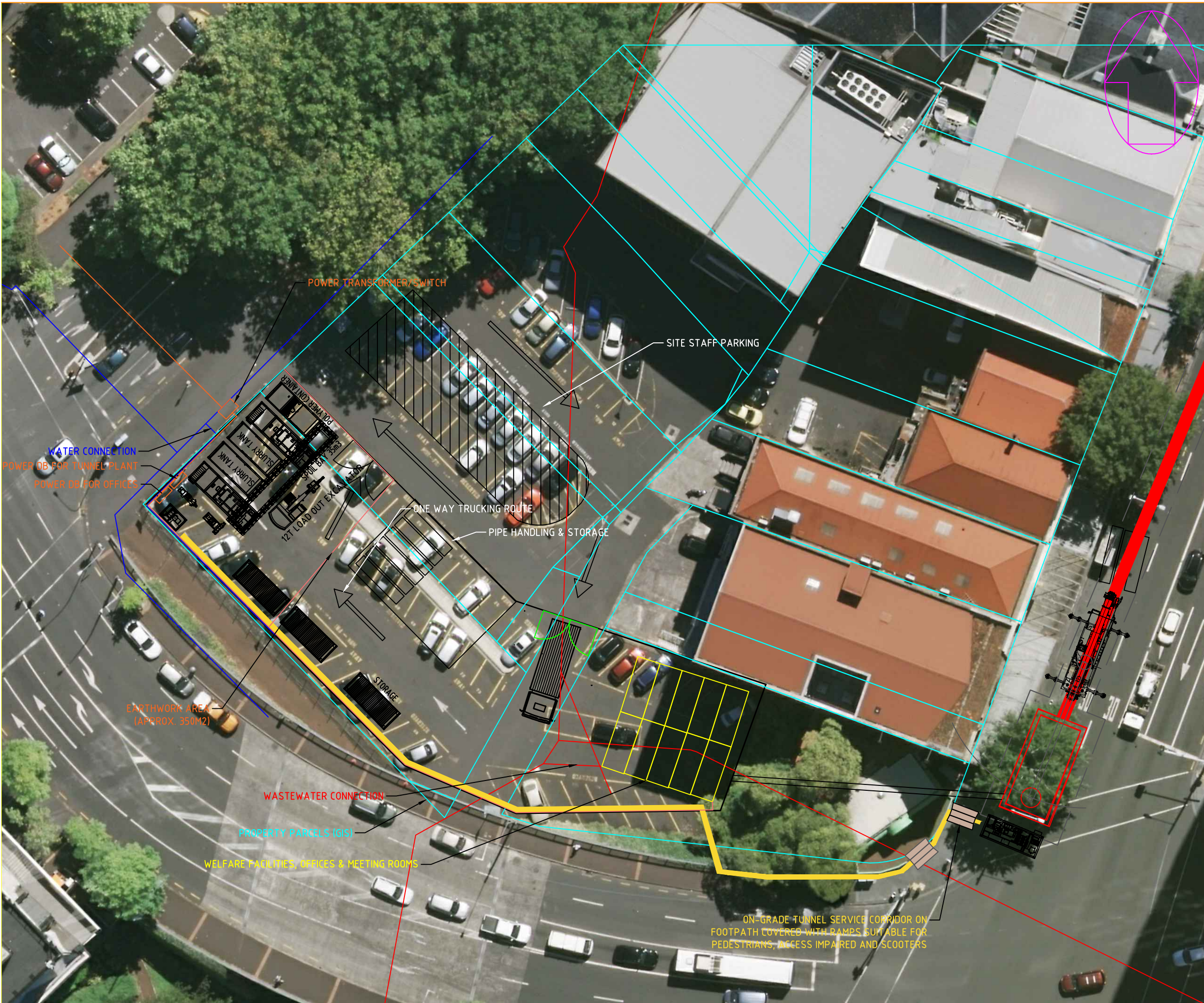




NOTES:

Auckland Council

LUC60422975 / BUN60422974

Approved Resource Consent Plan

04/07/2024

Auckland Council

Advice Note

WAT60422976 / DIS60423652

D	Revised Layout, Adjusted Tunn. Services	DW	DW	09/07/2023
C	Revised Colours & Added EW	DW	DW	20/06/2023
B	FH Revised Site Compound	DW	DW	07/06/2023
A	FH Revised Site Compound	DW	DW	29/05/2023
REVISION		DRAWN	DATE	

COORDINATE DATUM
GEODETIC 2000 - NZTM
ORIGIN OF COORDINATES

LEVEL DATUM
MEAN SEA LEVEL AUCKLAND 1946
ORIGIN OF LEVELS

Stated Height -

FULTON HOGAN LTD
47 Airdrie Road
RANUI
AUCKLAND
PO BOX 21124
HENDERSON 0612

Queen Street Sewer Diversion

Site Compound & Welfare
Layout

FH

SHEET 1

SCALE (A1) -
SCALE (A3) -

DATE
20/06/2023

FILE PATH \\NZAKLORBPFCFFP1\Wakeland\DS\05 Queen Street Wastewater Diversion\001 - PCSA\004 Drawings\CSA Greys Ave Carpark

DRAWING NUMBER
QSSD_FH_001

REVISION
D

NOTES:

1. SERVICES LOCATIONS ARE BASED ON POTHOLING AND BEFOREDIG INFORMATION, YET REMAIN INDICATIVE ONLY. CONTRACTOR TO LOCATE ALL UNDERGROUND SERVICES PRIOR TO CONSTRUCTION.
2. GROUND LEVEL IS A COMBINATION OF LIDAR FROM GIS AND TOPOGRAPHIC SURVEY.
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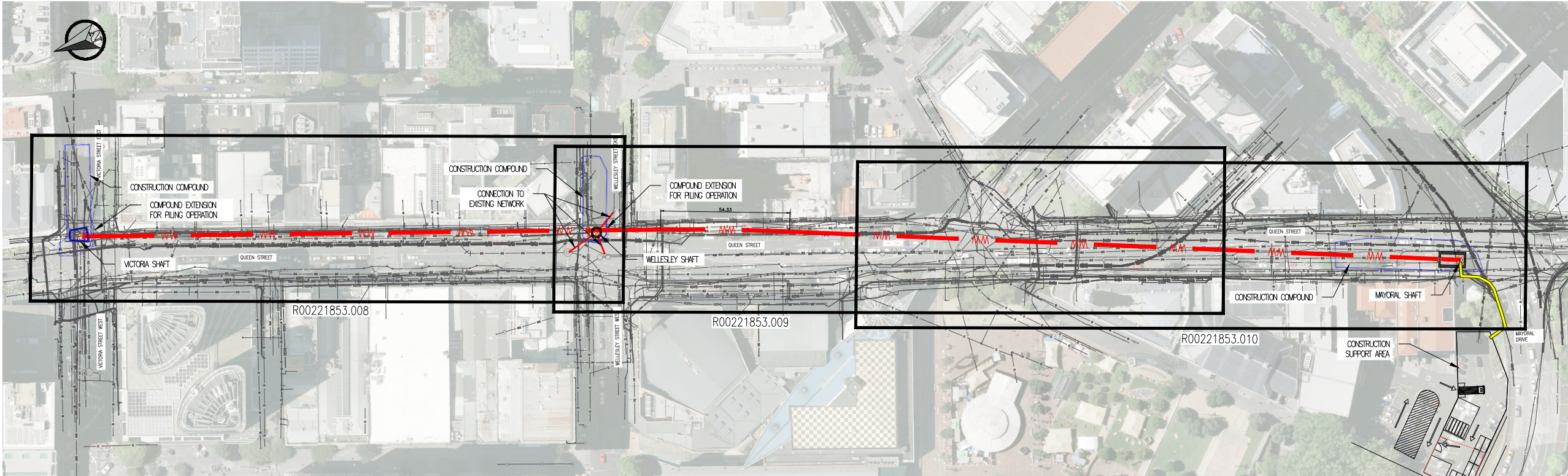
LEGEND

PROPOSED

- WW — WASTEWATER PIPE
- ⊙ WASTEWATER MANHOLE
- CONSTRUCTION COMPOUND

EXISTING SERVICES

- WW — EX. WASTEWATER
- SW — EX. STORMWATER
- W — EX. WATER
- G — VECTOR GAS
- F(VT) — VITAL FIBRE
- F(V) — VECTOR FIBRE
- LV — VECTOR LV
- HV — VECTOR HV
- C(V) — VECTOR COMMS
- C(CH) — CHORUS COMMS
- C(AT) — AT COMMS
- C(VF) — VODAFONE COMMS
- ? — UNKNOWN COMMS
- F(TR) — TRANSPOWER FIBRE



PLAN
1:2000



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					DESIGNED		
					DES. APPROVED		
					DRAWN	F. FAROOK	07-23
					DWG. APPROVED	G. DIAO	07-23
2	07/23	PRELIMINARY DESIGN – REVISED		F.F	G.D	WSL DESIGN MGMT.	
1	03/23	PRELIMINARY DESIGN		F.F	G.D	WSL PROJ. LEAD	Y. WANG 07-23
ISSUE	DATE	AMENDMENT		BY	APPD.		DATE


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QUEEN STREET WASTEWATER DIVERSIONS
PROPOSED PART 3 ALIGNMENT
PRELIMINARY DESIGN – PROJECT OVERVIEW

DRAFT

CAD FILE	W-SL001.03	DATE	11/07/2023
ORIGINAL SCALE	A3 AS SHOWN	CONTRACT No.	—
REF No.	W-SL001.03		
DWG No.	R0021853.007	ISSUE	2

- NOTES:
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 - COORDINATES ARE IN TERMS OF NZGD2000 MOUNT EDEN ORIGIN.
 - LEVELS ARE IN TERMS OF METRES ABOVE AUCKLAND 1946 DATUM.
 - EXISTING WASTEWATER SERVICES DEPTH TO BE CONFIRMED PRIOR TO CONSTRUCTION.
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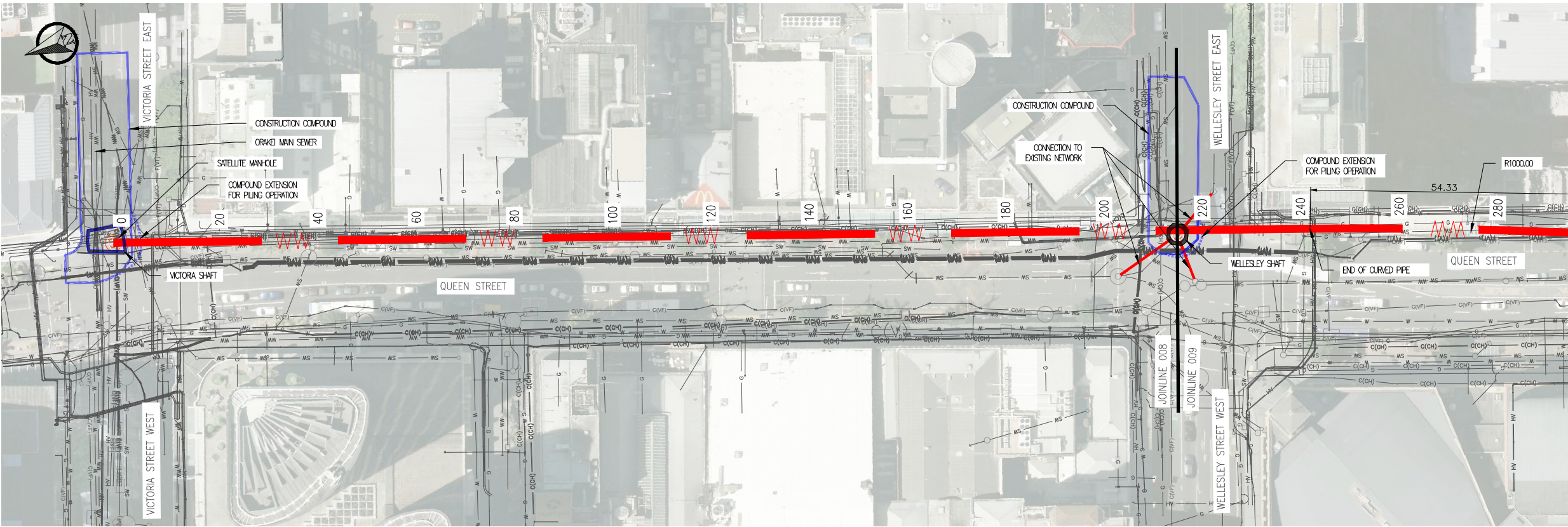
LEGEND

PROPOSED

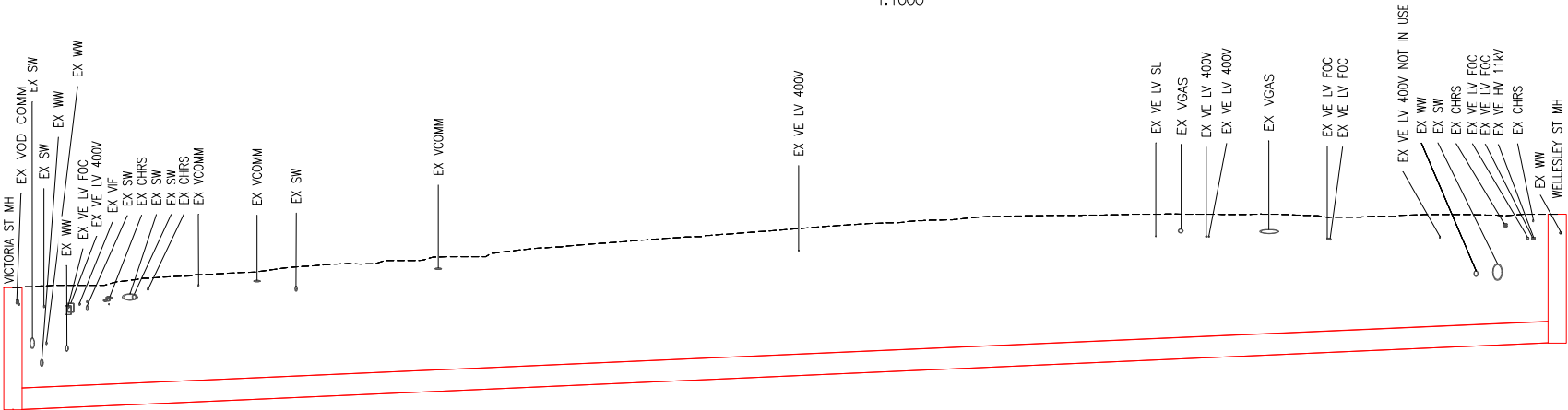
- WW WASTEWATER PIPE
- WASTEWATER MANHOLE
- CONSTRUCTION COMPOUND

EXISTING SERVICES

- WW EX. WASTEWATER
- SW EX. STORMWATER
- W EX. WATER
- G VECTOR GAS
- F(VT) VITAL FIBRE
- F(V) VECTOR FIBRE
- LV VECTOR LV
- HV VECTOR HV
- C(V) VECTOR COMMS
- C(CH) CHORUS COMMS
- C(AT) AT COMMS
- C(VF) VODAFONE COMMS
- ? UNKNOWN COMMS
- F(TR) TRANSPOWER FIBRE



PLAN
1:1000



DATUM R.L. 2.00

EXISTING SURFACE LEVEL(m)	10.28	14.40
DEPTH TO INVERT	6.87	7.21
PIPE INVERT LEVEL (m)	3.42	7.20
PIPE SIZE AND MATERIAL	DN1200 CC-GRP	
PIPE GRADE	1.75% (1:57)	
DISTANCE (m)		216.5

LONGITUDINAL PROFILE 0.0 m TO 216.5 m

HORIZONTAL SCALE 1:500 @ A3
VERTICAL SCALE 1:200 @ A3



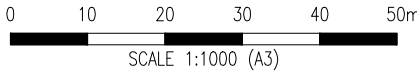
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Approved Resource Consent Plan

04/07/2024



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				DES. APPROVED		
				DRAWN	F. FAROOK	07-23
				DWG. APPROVED	G. DIAO	07-23
2	07/23	PRELIMINARY DESIGN - REVISED	F.F	G.D	WSL DESIGN MGMT.	
1	07/23	PRELIMINARY DESIGN	F.F	G.D	WSL PROJ. LEAD	07-23
ISSUE	DATE	AMENDMENT	BY	APPD.	BY	DATE



QUEEN STREET WASTEWATER DIVERSIONS
PROPOSED PART 3 ALIGNMENT

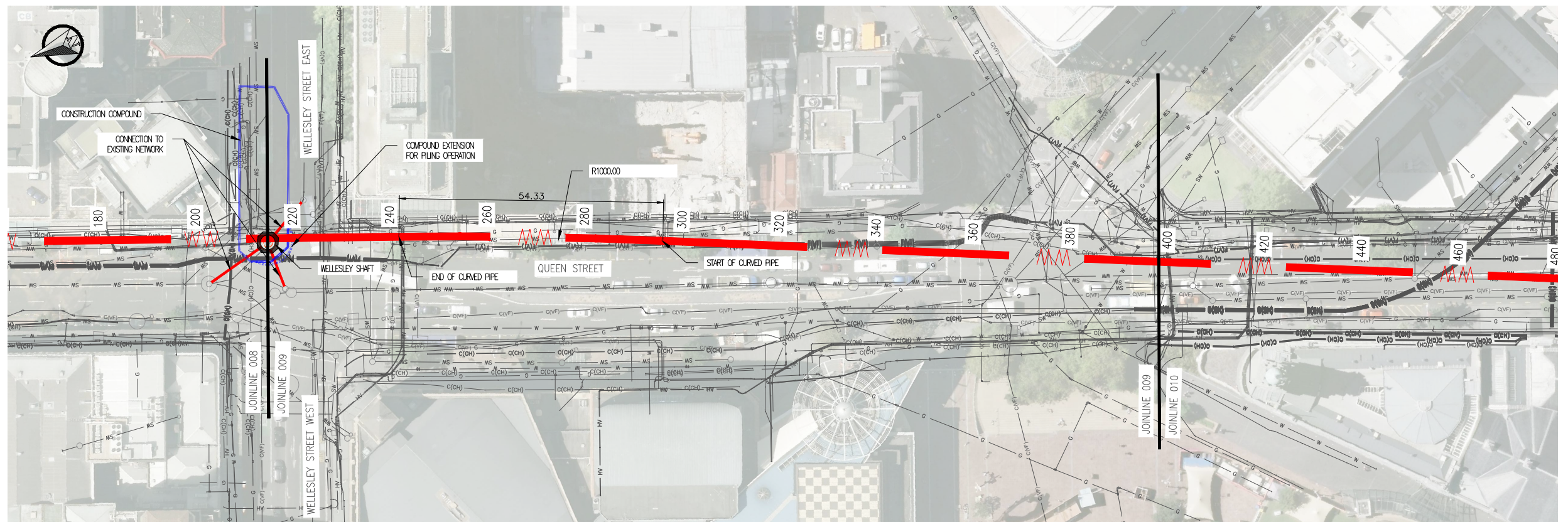
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CAD FILE	W-SL001.03	DATE	12/07/2023
ORIGINAL SCALE	A3 AS SHOWN	CONTRACT No.	
REF No.	W-SL001.03		
DWG No.	R0021853.008	ISSUE	2

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6. LEVELS ARE IN TERMS OF METRES ABOVE AUCLAND 1946 DATUM.
7. EXISTING WASTEWATER SERVICES DEPTH TO BE CONFIRMED PRIOR TO CONSTRUCTION.
7. IF CONTRACTOR TO USE ALTERNATIVE MANHOLE AND PIPE MATERIAL APPROVAL REQUIRED BY WSL AND ENGINEER. ALTERNATIVE MATERIAL SUPPLIER TO CHECK STRUCTURAL AND BUOYANCY REQUIREMENTS.

 WASTEWATER PIPE
 WASTEWATER MANHOLE
 CONSTRUCTION COMPOUND

WW	EX. WASTEWATER
SW	EX. STORMWATER
W	EX. WATER
G	VECTOR GAS
F(VT)	VITAL FIBRE
F(V)	VECTOR FIBRE
LV	VECTOR LV
HV	VECTOR HV
C(V)	VECTOR COMMS
C(CH)	CHORUS COMMS
C(AT)	AT COMMS
C(VF)	VODAFONE COMMS
?	UNKNOWN COMMS
F(TR)	TRANSPOWER FIBRE



EXISTING SURFACE LEVEL(m)	14.40
DEPTH TO INVERT	7.21
PIPE INVERT LEVEL (m)	7.20
PIPE SIZE AND MATERIAL	DN1200 CC-GRP
PIPE GRADE	1.95% (1:51)
DISTANCE (m)	216.5

PRELIMINARY
NOT FOR CONSTRUCTION

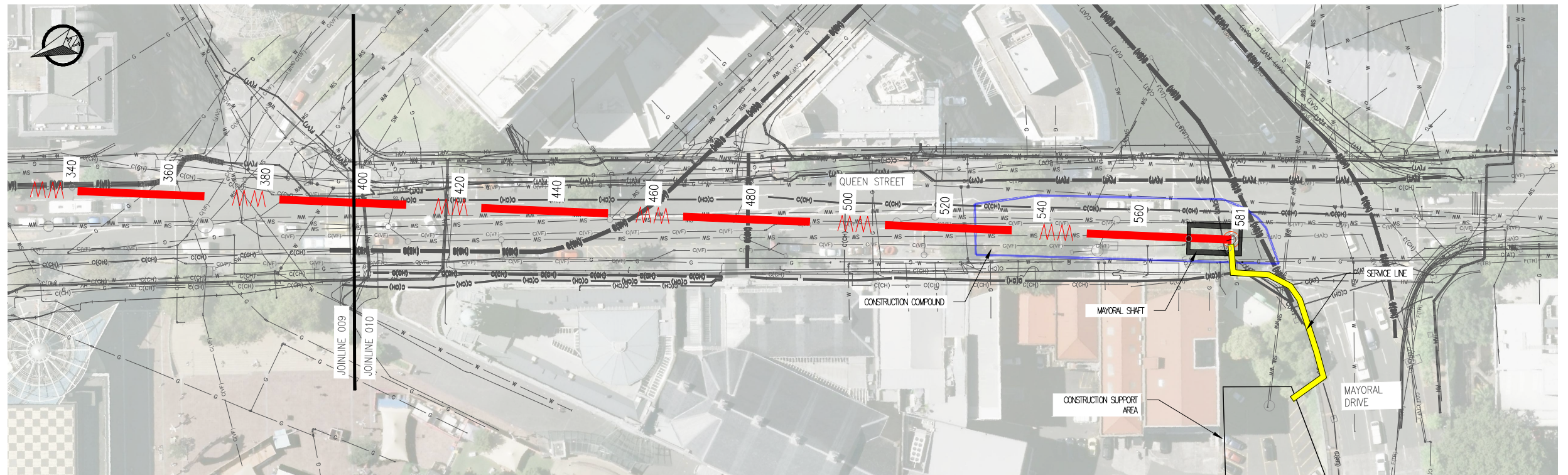
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						DRAWN	F. FAROOK	07-23	
						DWG. APPROVED	G. DIAO	07-23	
2	07/23	PRELIMINARY DESIGN – REVISED	F.F	G.D	WSL DESIGN MGMT.				
1	07/23	PRELIMINARY DESIGN	F.F	G.D	WSL PROJ. LEAD	Y. WANG	07-23		
ISSUE	DATE	AMENDMENT		BY	APPD.		BY	DATE	

CAD FILE	W-SL001.03	DATE	12/07/2023
ORIGINAL SCALE	A3 AS SHOWN	CONTRACT No.	—
REF No.	W-SL001.03		
DWG No.	R0021853.009	ISSUE 2	

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6. LEVELS ARE IN TERMS OF METRES ABOVE AUCKLAND 1946 DATUM.
7. EXISTING WASTEWATER SERVICES DEPTH TO BE CONFIRMED PRIOR TO CONSTRUCTION.
8. IF CONTRACTOR TO USE ALTERNATIVE MANHOLE AND PIPE MATERIAL APPROVAL REQUIRED BY WSL AND ENGINEER. ALTERNATIVE MATERIAL SUPPLIER TO CHECK STRUCTURAL AND BUOYANCY REQUIREMENTS.

 WW WASTEWATER PIPE
 WASTEWATER MANHOLE
 CONSTRUCTION COMPOUND

— WW —	EX. WASTEWATER
— SW —	EX. STORMWATER
— G —	EX. WATER
— G —	VECTOR GAS
— F(VT) —	VITAL FIBRE
— F(V) —	VECTOR FIBRE
— LV —	VECTOR LV
— HV —	VECTOR HV
— C(V) —	VECTOR COMMS
— C(CH) —	CHORUS COMMS
— C(AT) —	AT COMMS
— C(VF) —	VODAFONE COMMS
— ? —	UNKNOWN COMMS
— F(TR) —	TRANSPOWER FIBRE



The diagram illustrates a radio receiver system with the following components and signal flow:

- Antenna:** Labeled "ANTENNA" at the top left.
- RF Stage:** Includes "EX VE LV 400V", "EX VE LV 400V", "EX VE HV 11KV", "EX VE LV 400V", "EX VE HV 11KV", and "EX SW".
- IF Stage:** Includes "EX VE HV 11KV", "EX VE LV 400V", "EX VE LV FOC", "EX VE LV 400V", "EX VCOMM", and "EX WW".
- AF Stage:** Includes "EX SW" and "EX CHRS".
- Power Stage:** Includes "EX CHRS", "EX VOD COMM", "EX PW", "EX SW", and "EX AT".
- Output Stage:** Includes "EX AT" and "EX VE LV 400V NOT IN USE".
- Labels:** "EX VE LV 400V", "EX VE HV 11KV", "EX VE LV 400V", "EX VE LV FOC", "EX VE LV 400V", "EX VCOMM", "EX WW", "EX SW", "EX CHRS", "EX VOD COMM", "EX PW", "EX SW", "EX AT", "EX VE LV 400V NOT IN USE", "ANTENNA", "MAYORAL DR".

EXISTING SURFACE LEVEL(m)		
DEPTH TO INVERT		13.79
PIPE INVERT LEVEL (m)		14.30
PIPE SIZE AND MATERIAL	DN1200 CC-GRP	
PIPE GRADE	1.95% (1:51)	
DISTANCE (m)		580.8

0 10 20 30 40 50m

SCALE 1:1000 (A3)

LUC60422975 / BUN60422974

Approved Resource Consent Plan

4/07/2024

 Auckland Council
In partnership with the community

 before **u**dig™

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QUEEN STREET WASTEWATER DIVERSIONS
PROPOSED PART 3 ALIGNMENT

CAD FILE W-SL001.03		DATE 12/07/2023
ORIGINAL SCALE A3 AS SHOWN		CONTRACT No. —
REF No. W-SL001.03		
DWG No.	R0021853.010	ISSUE 2

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- THE DROPPERS ARE TO BE DESIGNED IN THE DETAILED DESIGN PHASE AND HAVE BEEN OMITTED FOR CLARITY.

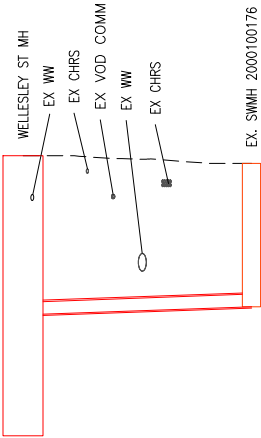
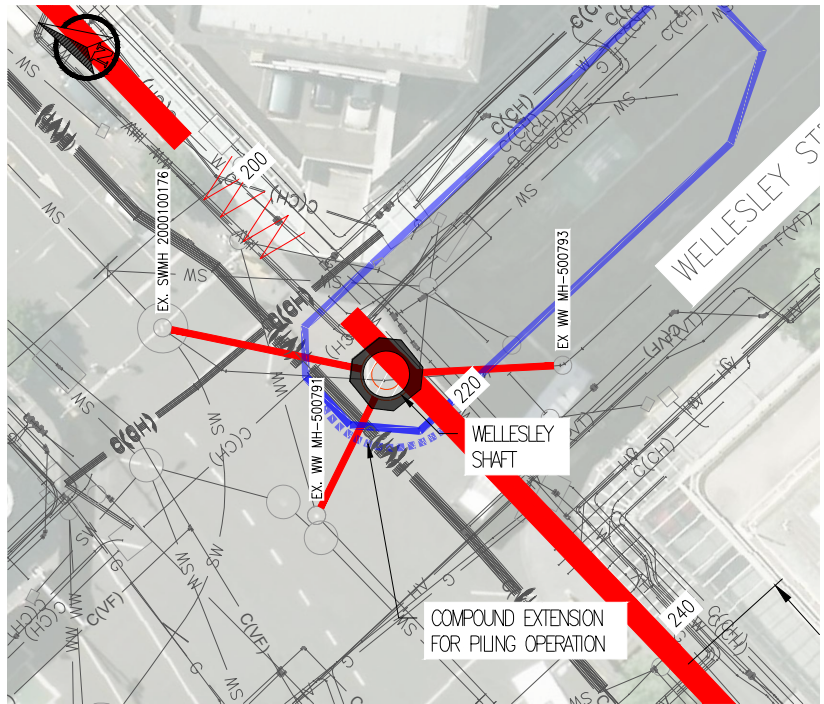
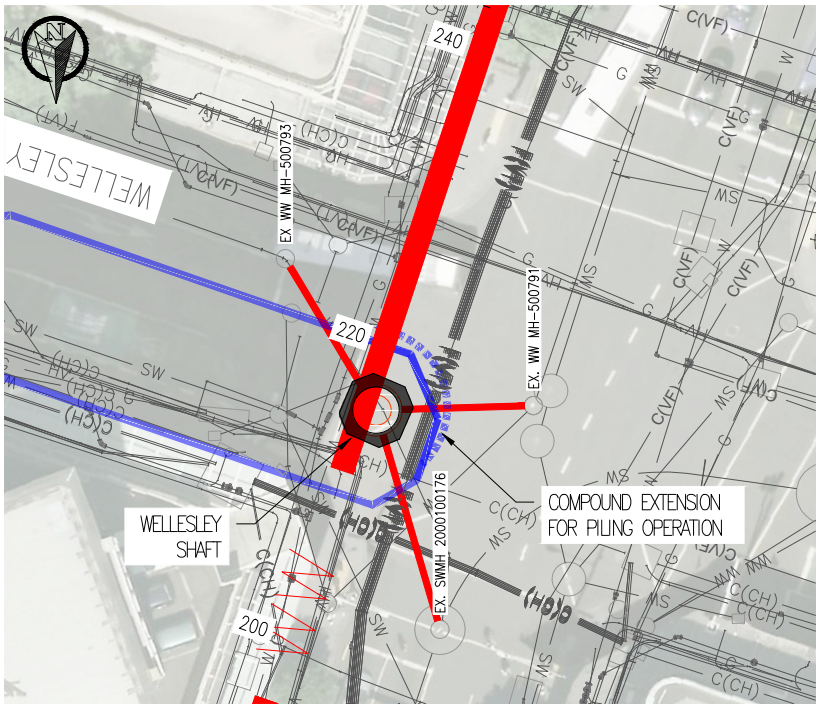
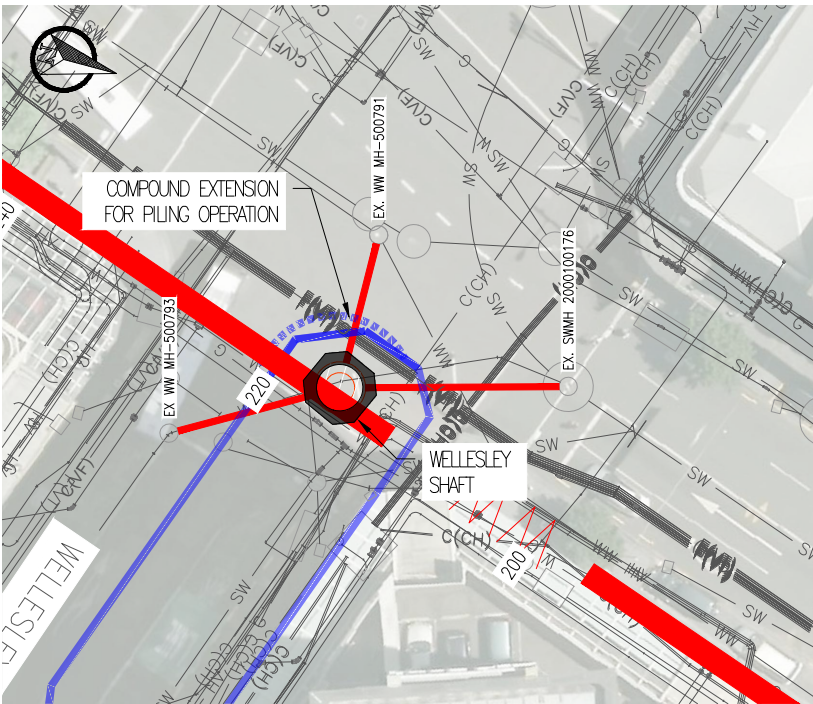
LEGEND

PROPOSED

- WW — WASTEWATER PIPE
— SW — WASTEWATER MANHOLE
— — CONSTRUCTION COMPOUND

EXISTING SERVICES

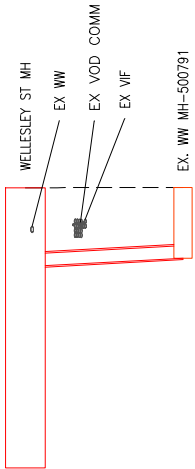
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DATUM R.L. 6.00		
EXISTING SURFACE LEVEL(m)	14.40	14.20
DEPTH TO INVERT	4.12	3.71
PIPE INVERT LEVEL (m)	10.29	10.50
PIPE SIZE AND MATERIAL	DN400 PN16 PE100	
PIPE GRADE	1.42% (1:70)	
DISTANCE (m)	14.8	

LONGITUDINAL PROFILE 0.0 m TO 14.8 m

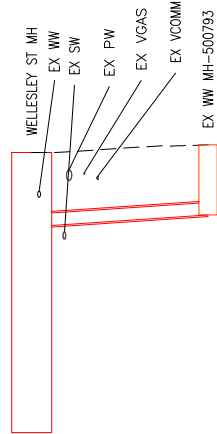
HORIZONTAL SCALE 1:500 @ A3
VERTICAL SCALE 1:200 @ A3



DATUM R.L. 6.00		
EXISTING SURFACE LEVEL(m)	14.40	14.40
DEPTH TO INVERT	2.05	1.83
PIPE INVERT LEVEL (m)	12.36	12.58
PIPE SIZE AND MATERIAL	DN400 PN16 PE100	
PIPE GRADE	2.16% (1:46)	
DISTANCE (m)	10.2	

LONGITUDINAL PROFILE 0.0 m TO 10.2 m

HORIZONTAL SCALE 1:500 @ A3
VERTICAL SCALE 1:200 @ A3



DATUM R.L. 6.00		
EXISTING SURFACE LEVEL(m)	14.40	14.60
DEPTH TO INVERT	1.93	1.82
PIPE INVERT LEVEL (m)	12.48	12.79
PIPE SIZE AND MATERIAL	DN400 PN16 PE100	
PIPE GRADE	2.72% (1:37)	
DISTANCE (m)	11.4	

LONGITUDINAL PROFILE 0.0 m TO 11.4 m

HORIZONTAL SCALE 1:500 @ A3
VERTICAL SCALE 1:200 @ A3



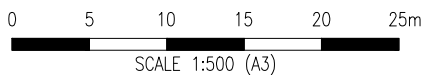
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Approved Resource Consent Plan

04/07/2024



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QUEEN STREET WASTEWATER DIVERSIONS
PART 3 ALIGNMENT
CONNECTION TO EXISTING NETWORK

DRAFT

CAD FILE	W-SL001.03	DATE	12/07/2023
ORIGINAL SCALE	A3 AS SHOWN	CONTRACT No.	—
REF No.	W-SL001.03		
DWG No.	R0021853.011	ISSUE	2