

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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4. DIMENSIONS/DISTANCES ARE IN METRES UNLESS STATED OTHERWISE.
5. COORDINATES ARE IN TERMS OF NZGD2000 MOUNT EDEN ORIGIN.
6. 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.

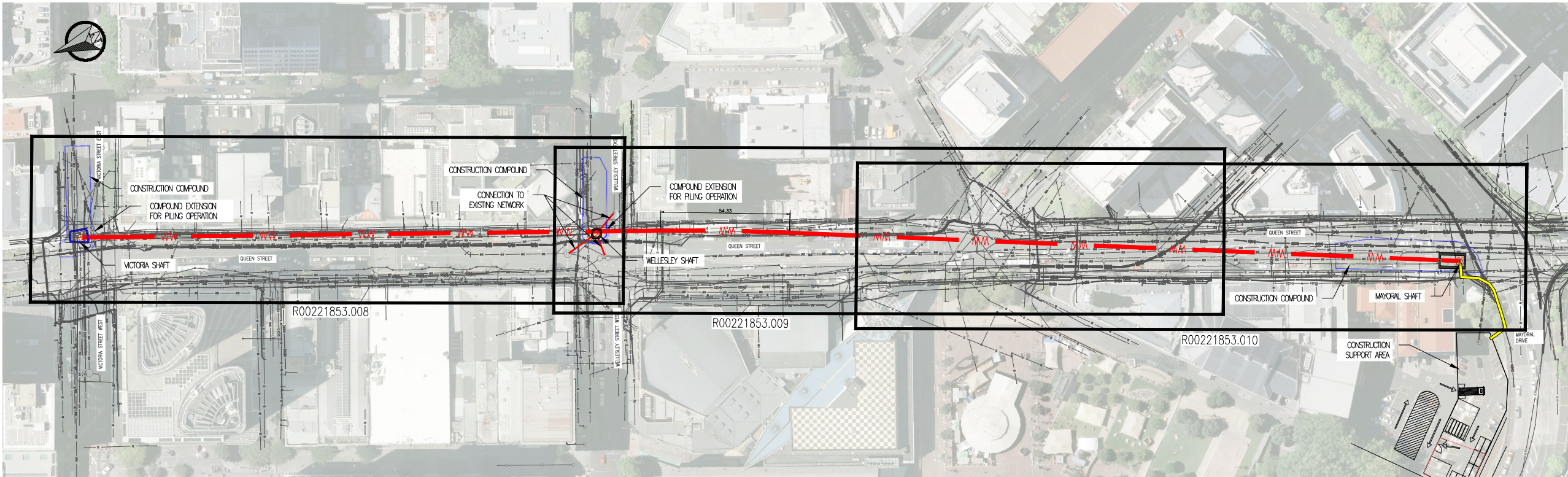
LEGEND

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



PRELIMINARY
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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.		BY	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

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6. LEVELS ARE IN TERMS OF METRES ABOVE AUCKLAND 1946 DATUM.
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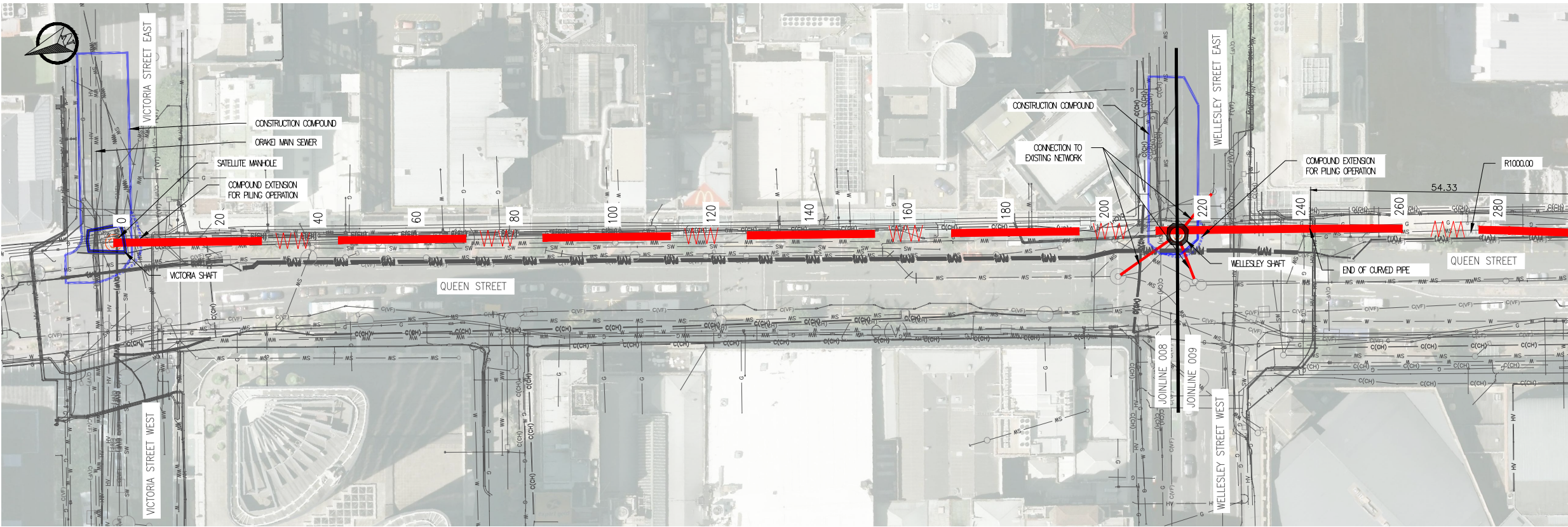
LEGEND

PROPOSED

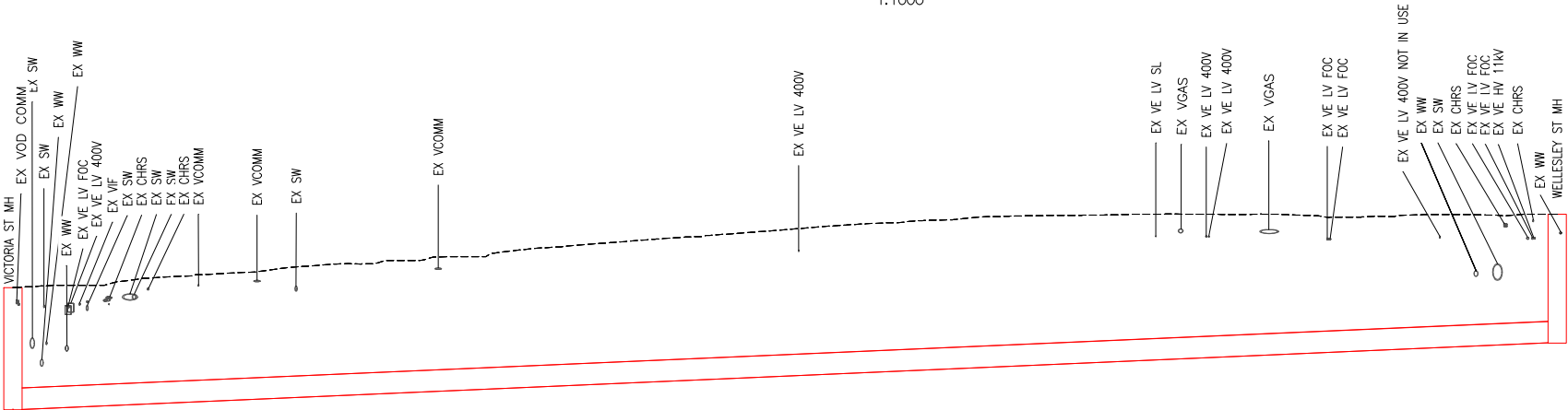
- WW WASTEWATER PIPE
- WASTEWATER MANHOLE
- CONSTRUCTION COMPOUND

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

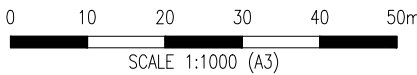
EXISTING SURFACE LEVEL(m)	10.28	14.40
DEPTH TO INVERT	6.87	7.21
PIPE INVERT LEVEL (m)	3.42	7.20
PIPE SIZE AND MATERIAL	DN1200 CC-GRP	
PIPE GRADE	1.75% (1:57)	
DISTANCE (m)		216.5

LONGITUDINAL PROFILE 0.0 m TO 216.5 m

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



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				DRAWN	F. FAROOK	07-23
				DWG. APPROVED	G. DIAO	07-23
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1	07/23	PRELIMINARY DESIGN	F.F	G.D	WSL PROJ. LEAD	07-23
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QUEEN STREET WASTEWATER DIVERSIONS
PROPOSED PART 3 ALIGNMENT

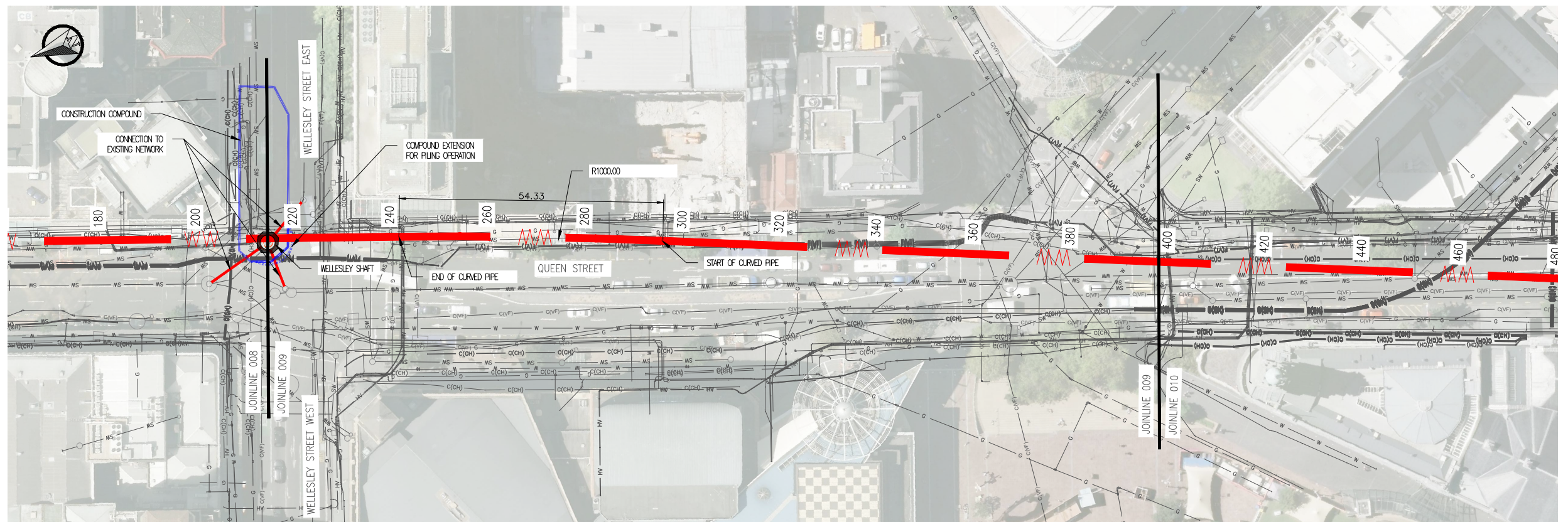
DRAFT

CAD FILE	W-SL001.03	DATE	12/07/2023
ORIGINAL SCALE	A3 AS SHOWN	CONTRACT No.	-
REF No.	W-SL001.03		
DWG No.	R0021853.008	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(H) —	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

 before **u** dig™

0 10 20 30 40 50m
SCALE 1:1000 (A3)

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2	07/23	PRELIMINARY DESIGN – REVISED	F.F	G.D	WSL DESIGN MGMT.				
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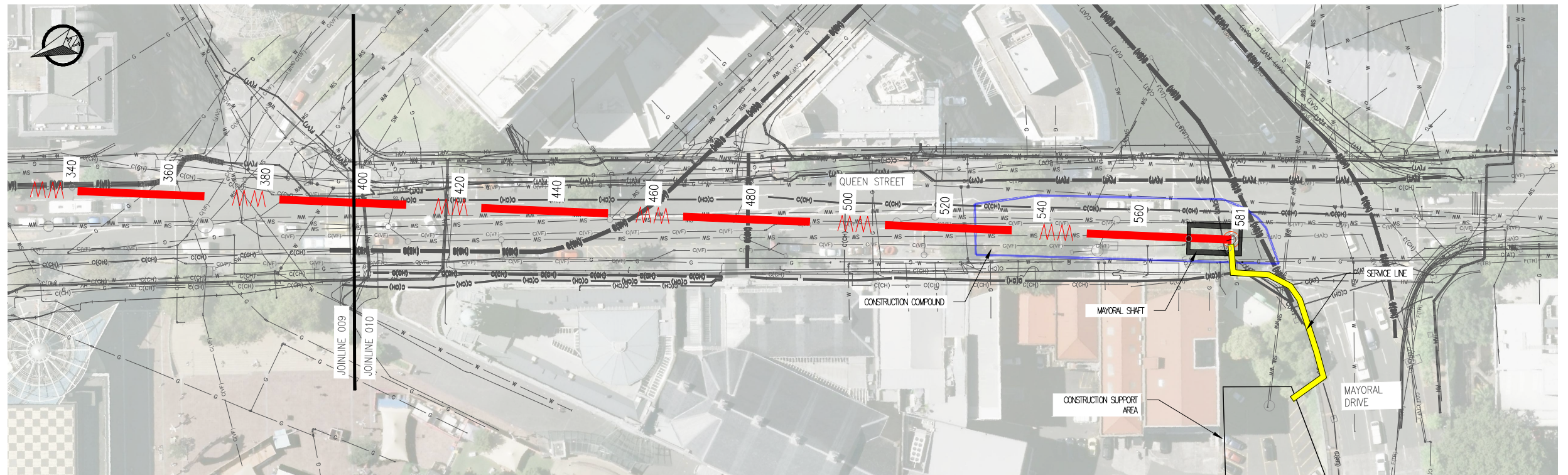
QUEEN STREET WASTEWATER DIVERSIONS
PROPOSED PART 3 ALIGNMENT

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

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5. COORDINATES ARE IN TERMS OF NZGD2000 MOUNT EDEN GROUT.
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
— V —	VECTOR GAS
F(VT) —	VITAL FIBRE
F(V) —	VECTOR FIBRE
— LV —	VECTOR LV
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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 CHRS", "EX VGAS", "EX VE LV 400V NOT IN USE", "EX PW", "EX SW", and "EX AT".
- Output:** Labeled "MAYORAL DR" at the bottom right.

DATUM R.L. 2.00	
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


 before 

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0 10 20 30 40 50m

 SCALE 1:1000 (A3)

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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.	—
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DWG No.	R0021853.010		ISSUE 2

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- LEVELS ARE IN TERMS OF METRES ABOVE AUCKLAND 1946 DATUM.
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- THE DROPPERS ARE TO BE DESIGNED IN THE DETAILED DESIGN PHASE AND HAVE BEEN OMITTED FOR CLARITY.

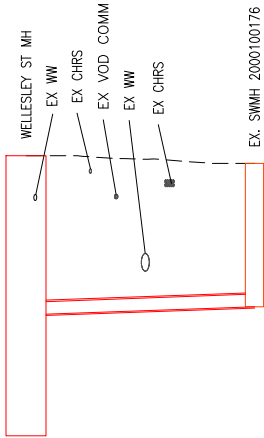
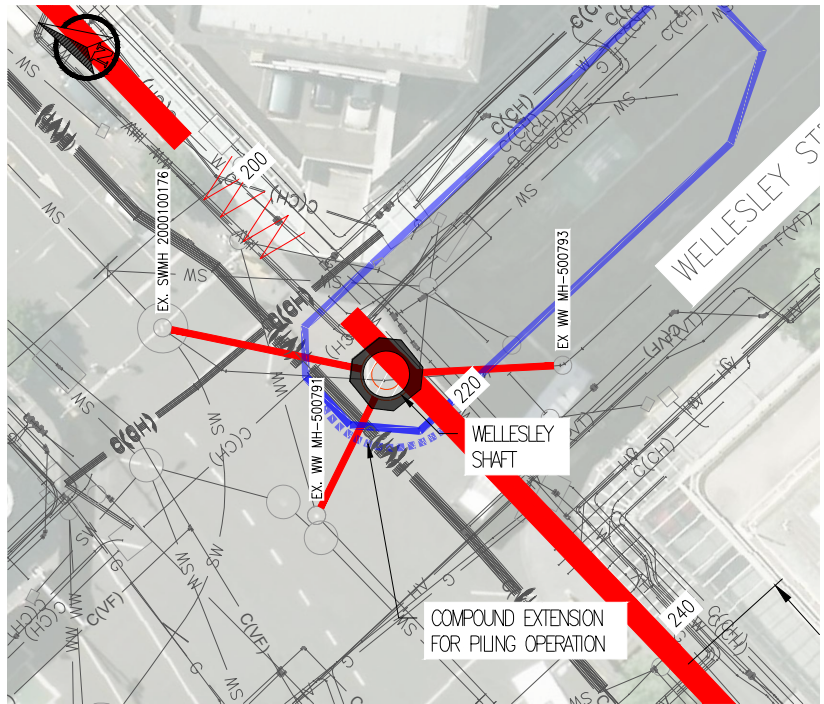
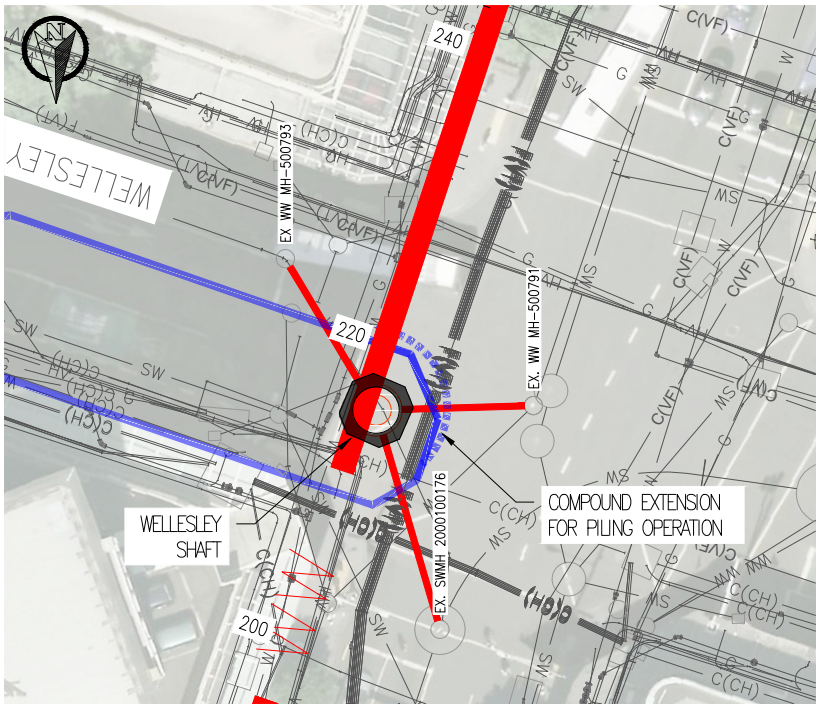
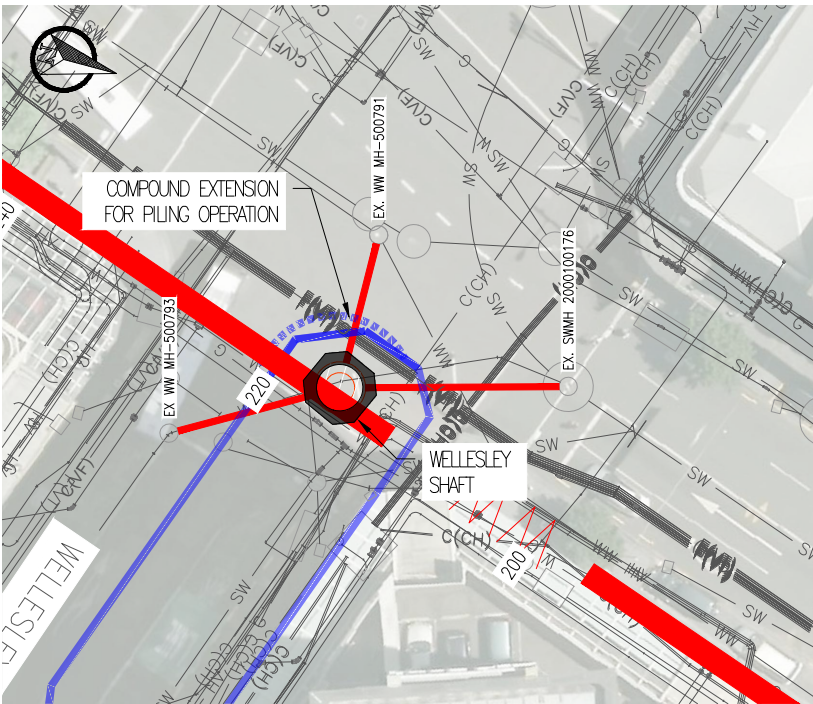
LEGEND

PROPOSED

- WASTEWATER PIPE
- WASTEWATER MANHOLE
- CONSTRUCTION COMPOUND

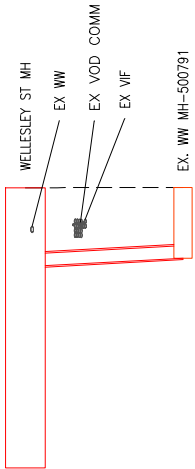
EXISTING SERVICES

- EX. WASTEWATER
- EX. STORMWATER
- EX. WATER
- VECTOR GAS
- VITAL FIBRE
- VECTOR FIBRE
- VECTOR LV
- VECTOR HV
- VECTOR COMMS
- CHORUS COMMS
- AT COMMS
- VODAFONE COMMS
- UNKNOWN COMMS
- TRANSPOWER FIBRE



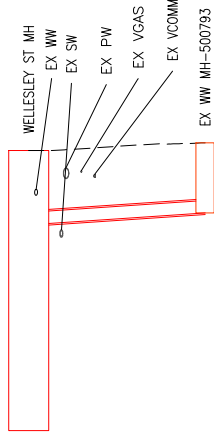
DATUM R.L. 6.00		
EXISTING SURFACE LEVEL(m)	14.40	14.20
DEPTH TO INVERT	4.12	3.71
PIPE INVERT LEVEL (m)	10.29	10.50
PIPE SIZE AND MATERIAL	DN400 PN16 PE100	
PIPE GRADE	1.42% (1:70)	
DISTANCE (m)	14.8	

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

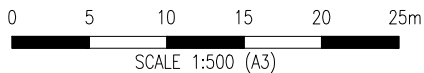


DATUM R.L. 6.00		
EXISTING SURFACE LEVEL(m)	14.40	14.60
DEPTH TO INVERT	1.93	1.82
PIPE INVERT LEVEL (m)	12.48	12.79
PIPE SIZE AND MATERIAL	DN400 PN16 PE100	
PIPE GRADE	2.72% (1:37)	
DISTANCE (m)	11.4	

LONGITUDINAL PROFILE 0.0 m TO 11.4 m
HORIZONTAL SCALE 1:500 @ A3
VERTICAL SCALE 1:200 @ A3



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QUEEN STREET WASTEWATER DIVERSIONS
PART 3 ALIGNMENT
CONNECTION TO EXISTING NETWORK

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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.	R0021853.011	ISSUE	2