


WATERCARE SERVICES LIMITED
POINT CHEVALIER No. 2 WATERMAIN PROJECT
CARRINGTON ROAD

LOCALITY PLAN

DRAWING NUMBER	DRAWING TITLE
GENERAL	
2013XXX.010	CARRINGTON ROAD - COVER SHEET, LOCALITY PLAN AND DRAWING LIST
CIVIL	
2013XXX.200	CARRINGTON ROAD - SHEET LAYOUT
2013XXX.201	CARRINGTON ROAD - OVERVIEW PLAN AND COMPREHENSIVE LONG SECTION
2013XXX.202	CARRINGTON ROAD - LAYOUT PLAN AND PIPE LONGITUDINAL SECTION - SHEET 1
2013XXX.203	CARRINGTON ROAD - LAYOUT PLAN AND PIPE LONGITUDINAL SECTION - SHEET 2
2013XXX.204	CARRINGTON ROAD - LAYOUT PLAN AND PIPE LONGITUDINAL SECTION - SHEET 3
2013XXX.205	CARRINGTON ROAD - LAYOUT PLAN AND PIPE LONGITUDINAL SECTION - SHEET 4
2013XXX.206	CARRINGTON ROAD - LAYOUT PLAN AND PIPE LONGITUDINAL SECTION - SHEET 5
2013XXX.207	CARRINGTON ROAD - LAYOUT PLAN AND PIPE LONGITUDINAL SECTION - SHEET 6
2013XXX.208	CARRINGTON ROAD - LAYOUT PLAN AND PIPE LONGITUDINAL SECTION - SHEET 7
MECHANICAL	
2013XXX.300	CARRINGTON ROAD - LINE VALVE CHAMBER - SHEET 1 OF 1

FOR CLIENT REVIEW
NOT FOR CONSTRUCTION

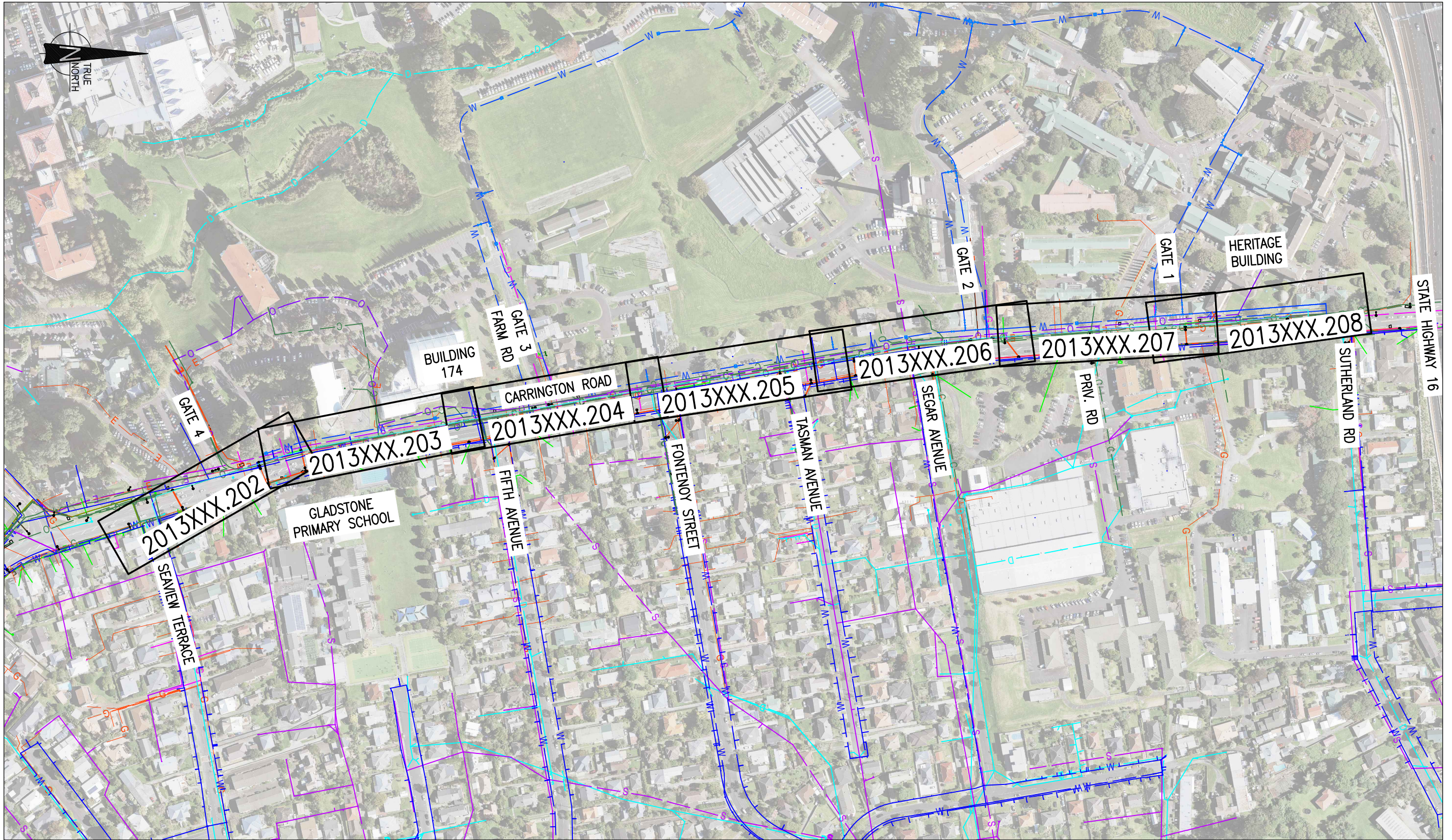
					DESIGNED	A. ENGSTROM	11.24	 Watercare <small>COPYRIGHT - This drawing, the design concept, remain the exclusive property of Watercare Services Limited and may not be used without approval. Copyright reserved.</small>
					DES. APPROVED	E. URAZ	11.24	
					DRAWN	A. ENGSTROM	11.24	
					DWG. APPROVED	-	-	
					WSL DESIGN MGMT.			
1	12.12	FOR CLIENT REVIEW			AE	EU		
ISSUE	DATE	AMENDMENT			BY	APPD.	BY	DATE

POINT CHEVALIER WATERMAIN No. 2

91 TREATED WATER – PUMPING, STORAGE, WATERMAINS

CARRINGTON ROAD – COVER SHEET AND LOCALITY PLAN

CAD FILE 2013XXX.XXXX	DATE DD-MM-YYYY
ORIGINAL SCALE A3 1:5000	CONTRACT No. XXXX
REF No. WMXXX-91-C-XX	
DWG No. 2013XXXX.010	ISSUE 1



0 30 60 90
FULL SIZE A1 1:1500 HALF A3 1:3000
SCALE (m)

ORIGINAL DRAWING
IN COLOUR

FOR CLIENT REVIEW
NOT FOR CONSTRUCTION

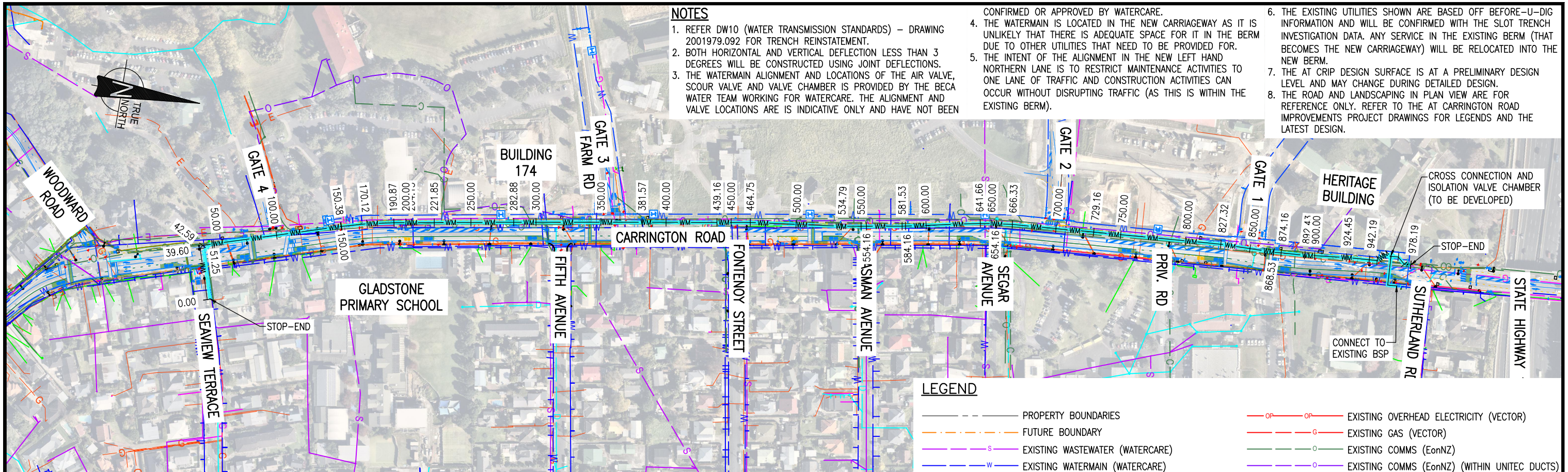
				DESIGNED	Y. WU / C. GIL	11.24
				DES. APPROVED	D. HEILER	11.24
				DRAWN	C. GIL	11.24
				DWG. APPROVED	E. URAZ	11.24
				WSL DESIGN MGMT.		
				WSL PROJ. LEAD		
1	12.24	FOR REVIEW	CG	EU		
ISSUE	DATE	AMENDMENT	BY	APPD.	BY	DATE


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POINT CHEVALIER WATERMAIN No. 2
91 TREATED WATER — PUMPING, STORAGE, WATERMAINS
CARRINGTON ROAD — SHEET LAYOUT

DRAFT

CAD FILE	2013XXX.200	DATE	20.12.2024
ORIGINAL SCALE	A1 AS SHOWN	CONTRACT No.	—
REF. No.	WMXXX-91-C-200		
DWG. No.	2013XXX .200	ISSUE	1

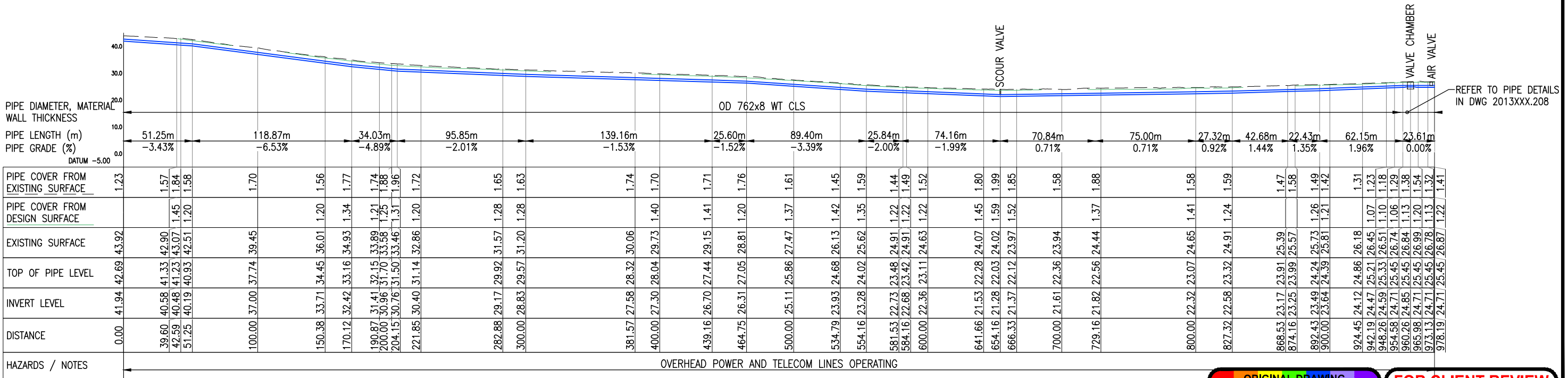


VERTICAL 1:750
AT ORIGINAL SIZE
HORIZONTAL 1:1500
AT ORIGINAL SIZE

PLAN
SCALE: 1:1500

PROPOSED

WM 750CLS WATERMAIN



OVERHEAD POWER AND TELECOM LINES OPERATING

LONGITUDINAL SECTION

HOR SCALE 1:1500 VERT SCALE 1:750

ORIGINAL DRAWING
IN COLOUR

FOR CLIENT REVIEW
NOT FOR CONSTRUCTION

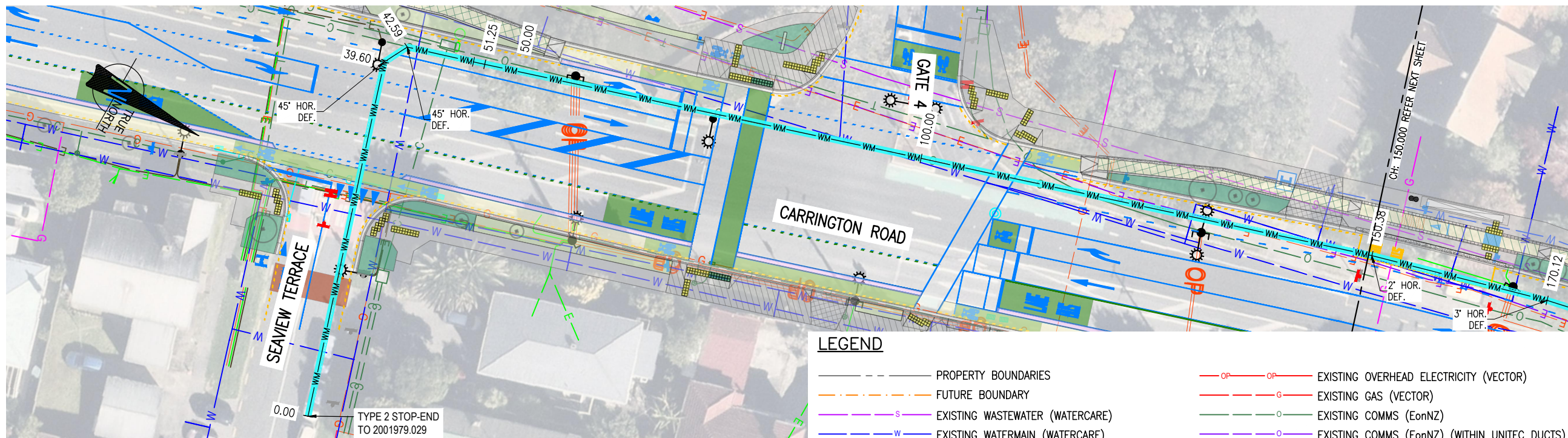
				DESIGNED	Y. WU / C. GIL	11.24
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POINT CHEVALIER WATERMAIN No. 2
91 TREATED WATER – PUMPING, STORAGE, WATERMAINS
CARRINGTON ROAD – OVERVIEW PLAN AND COMPREHENSIVE LONG SECTION

CAD FILE	2013XXX.201	DATE	20.12.2024
ORIGINAL SCALE	A1	CONTRACT No.	–
AS SHOWN			
REF. No.	WMXXX-91-C-201		
DWG. No.	2013XXX .201	ISSUE	1



PLAN
SCALE: 1:250

LEGEND

- PROPERTY BOUNDARIES
- FUTURE BOUNDARY
- EXISTING WASTEWATER (WATERCARE)
- EXISTING WATERMAIN (WATERCARE)
- EXISTING STORMWATER (AC HEALTHY WATERS)
- EXISTING ELECTRICITY 110kv-22kv (VECTOR)
- EXISTING ELECTRICITY 11kv-6kv DUCT (VECTOR)
- EXISTING ELECTRICITY 400v (VECTOR)
- EXISTING ELECTRICITY PILOT/FIBRE OPTIC (VECTOR)
- EXISTING OVERHEAD ELECTRICITY (VECTOR)
- EXISTING GAS (VECTOR)
- EXISTING COMMS (EonNZ)
- EXISTING COMMS (EonNZ) (WITHIN UNITEC DUCTS)
- EXISTING COMMS (VECTOR)
- EXISTING COMMS (CHORUS)
- EXISTING STREET LIGHT (VECTOR)
- POWER POLE

PROPOSED

WM 750CLS WATERMAIN

PIPE DIAMETER, MATERIAL
WALL THICKNESS
PIPE LENGTH (m)
PIPE GRADE (%)
DATUM 27.00

PIPE COVER FROM EXISTING SURFACE	1.23	1.57	1.84	1.58	1.70	1.62
PIPE COVER FROM DESIGN SURFACE		1.45	1.20			1.20
EXISTING SURFACE	43.92	42.90	43.07	42.51	39.45	36.10
TOP OF PIPE LEVEL	42.69	41.33	41.23	40.93	37.74	34.48
INVERT LEVEL	41.94	40.58	40.48	40.19	37.00	33.73
DISTANCE	0.00	39.60	42.59	51.25	100.00	150.00
HAZARDS / NOTES	OVERHEAD POWER AND TELECOM LINES OPERATING					

VERTICAL 1:125
AT ORIGINAL SIZE
HORIZONTAL 1:250
AT ORIGINAL SIZE

LONGITUDINAL SECTION
HOR SCALE 1:250 VERT SCALE 1:125

NOTES

- REFER DW10 (WATER TRANSMISSION STANDARDS) - DRAWING 2001979.092 FOR TRENCH REINSTATEMENT.
- BOTH HORIZONTAL AND VERTICAL DEFLECTION LESS THAN 3 DEGREES WILL BE CONSTRUCTED USING JOINT DEFLECTIONS.
- THE WATERMAIN ALIGNMENT AND LOCATIONS OF THE AIR VALVE, SCOUR VALVE AND VALVE CHAMBER IS PROVIDED BY THE BECA WATER TEAM WORKING FOR WATERCARE. THE ALIGNMENT AND VALVE LOCATIONS ARE INDICATIVE ONLY AND HAVE NOT BEEN CONFIRMED OR APPROVED BY WATERCARE.
- THE WATERMAIN IS LOCATED IN THE NEW CARRIAGEWAY AS IT IS UNLIKELY THAT THERE IS ADEQUATE SPACE FOR IT IN THE BERM DUE TO OTHER UTILITIES THAT NEED TO BE PROVIDED FOR.
- THE INTENT OF THE ALIGNMENT IN THE NEW LEFT HAND NORTHERN LANE IS TO RESTRICT MAINTENANCE ACTIVITIES TO ONE LANE OF TRAFFIC AND CONSTRUCTION ACTIVITIES CAN OCCUR WITHOUT DISRUPTING TRAFFIC (AS THIS IS WITHIN THE EXISTING BERM).
- THE EXISTING UTILITIES SHOWN ARE BASED OFF BEFORE-U-DIG INFORMATION AND WILL BE CONFIRMED WITH THE SLOT TRENCH INVESTIGATION DATA. ANY SERVICE IN THE EXISTING BERM (THAT BECOMES THE NEW CARRIAGEWAY) WILL BE RELOCATED INTO THE NEW BERM.
- THE AT CRIP DESIGN SURFACE IS AT A PRELIMINARY DESIGN LEVEL AND MAY CHANGE DURING DETAILED DESIGN.
- REFER DW11 (WATER TRANSMISSION STANDARDS) - DRAWING 2001979.116, 143, 144 & 145 FOR AIR VALVE CHAMBER DETAILS AND DRAWING 2001979.061 & .062 FOR SCOUR CHAMBER DETAILS.
- THE ROAD AND LANDSCAPING IN PLAN VIEW ARE FOR REFERENCE ONLY. REFER TO THE AT CARRINGTON ROAD IMPROVEMENTS PROJECT DRAWINGS FOR LEGENDS AND THE LATEST DESIGN.

ORIGINAL DRAWING
IN COLOUR
FOR CLIENT REVIEW
NOT FOR CONSTRUCTION

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POINT CHEVALIER WATERMAIN No. 2
91 TREATED WATER - PUMPING, STORAGE, WATERMAINS
CARRINGTON ROAD - LAYOUT PLAN AND PIPE LONGITUDINAL SECTION - SHEET 1

CAD FILE	2013XXX.202	DATE	20.12.2024
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DWG. No.	2013XXX .202		

