

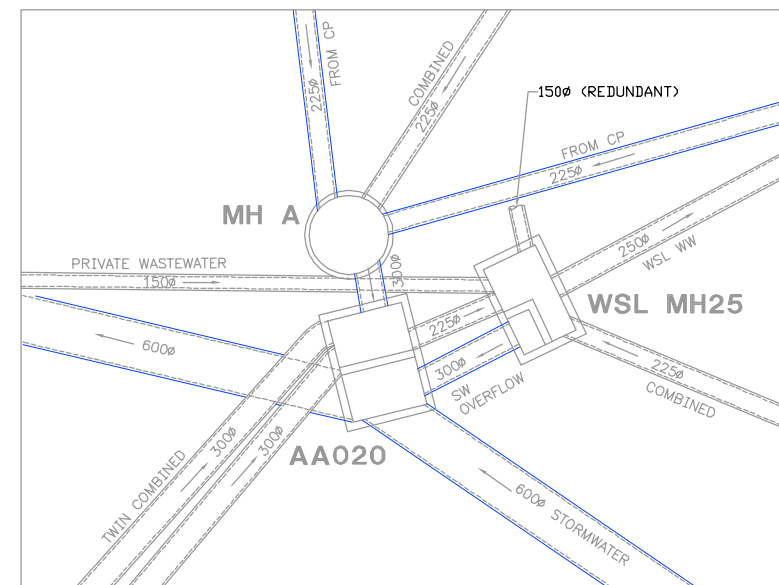


Appendix B  
**CCTV Survey Results**

Drawing no. 51-23678-W001



Standard Legend	
	catchpit
	manhole
	power pole
	power pole/street light
	sign post
	street light
	shrub
	tree
	existing wastewater line
	existing stormwater line
	existing combined line
	existing watercare line
	fenceline
	bank (top/bottom)
	bottom of wall
	bushline
	kerbline
	seal edge



**DETAIL A**

1:50

MANHOLE AND WEIR CONNECTIVITY  
(ADJACENT TO 22 MARINE PARADE)

LINE WITH SEVERAL CRACKS LOCATED BETWEEN OF MEDIUM TO LARGE SEVERITY. ONE BROKEN PIPE SECTION AT 37.7m DOWNSTREAM OF JUNCTION OF LARGE SEVERITY. ROOT INTRUSION WERE OBSERVED BETWEEN 57.0-60.0m DOWNSTREAM OF JUNCTION. TWO BLOCKS LATERAL CONNECTIONS AT 4.3.7m (9) AND 60.0m (9) THE LATTER WITH ROOT INTRUDING IN THE MAIN PIPE.

CAUSE OF PROBLEM: CRACKS, COLLAPSED PIPE SECTION

RECOMMENDED REMEDIAL WORK: LINING.

LINE WITH SEVERAL CRACKS OF MEDIUM TO LARGE SEVERITY. ONE BROKEN PIPE SECTION AT 10m DOWNSTREAM OF MH AA020 NEARLY COLLAPSING REQUIRING URGENT ATTENTION. NO LATERAL CONNECTIONS OBSERVED.

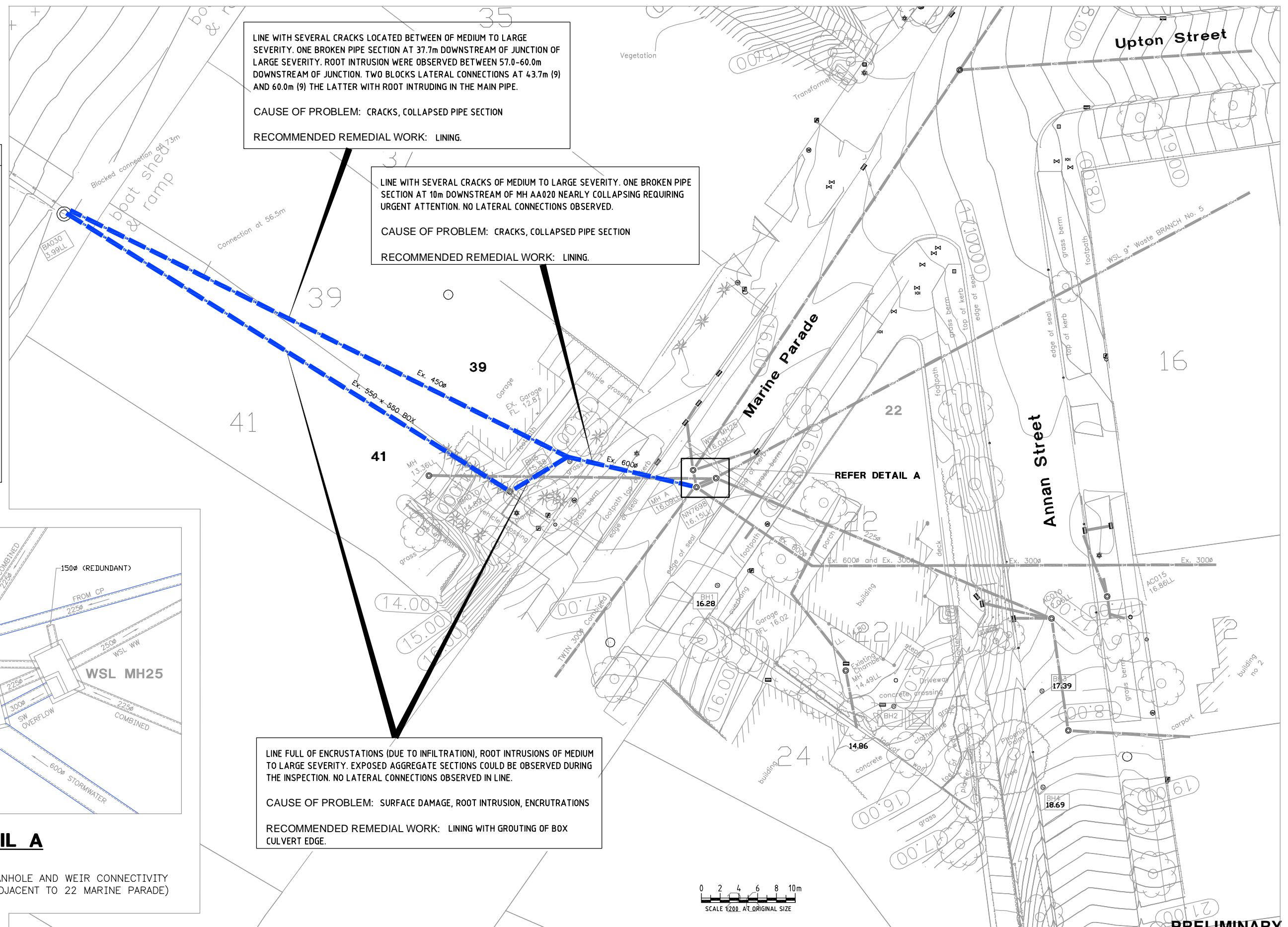
CAUSE OF PROBLEM: CRACKS, COLLAPSED PIPE SECTION

RECOMMENDED REMEDIAL WORK: LINING.

LINE FULL OF ENCRUSTATIONS (DUE TO INFILTRATION), ROOT INTRUSIONS OF MEDIUM TO LARGE SEVERITY. EXPOSED AGGREGATE SECTIONS COULD BE OBSERVED DURING THE INSPECTION. NO LATERAL CONNECTIONS OBSERVED IN LINE.

CAUSE OF PROBLEM: SURFACE DAMAGE, ROOT INTRUSION, ENCRUSTATIONS

RECOMMENDED REMEDIAL WORK: LINING WITH GROUTING OF BOX CULVERT EDGE.



**PRELIMINARY**

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date
A	ORIGINAL ISSUE		DX			



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Drawn	DX	Designed	NG
Drafting Check		Design Check	
Approved			
Date			
Scale	1:200	This Drawing must not be used for Construction unless signed as Approved	

Client **AUCKLAND CITY COUNCIL**  
Project **MARINE PARADE, HERNE BAY**  
Title **PIPE CONDITIONS OF OVERFLOW 39-41 MARINE PARADE**

Original Size **A1** Drawing No: **51-23678-W001** Rev: **A**