

COMPREHENSIVE DISCHARGE REGISTER**CWR NO.10****TITLE:** Otara Stream, North of Redoubt Rd.**WATER RIGHT/RESOURCE CONSENT No.**791844**COMPREHENSIVE DISCHARGE CONSENT No.**14/10/Br/1844**EXPIRY DATE:** 31 Dec. 2022**CATCHMENT SIZE:** 675 ha (excludes 278 ha now covered in CWR2-Flat Bush No.20).**POINT OF DISCHARGE:** Tributary of Otara Stream, NZMS1 N42 394475**PEAK DISCHARGE:** 77 m³/s (2% AEP). Design rainfall = 0.205mm/10sec**PRIMARY DESIGN STANDARD:** N/A**SECONDARY DESIGN STANDARD:** 2% AEP.**FLOOR LEVEL RESTRICTION:**

1m above 2% AEP(0.3m with ARC approval) , or refer to the Proposed District Plan (Section 9.9.1.2 (c)), **whichever is the more rigorous.**

OTHER CONDITIONS: -**COMPREHENSIVE DISCHARGE CONSENT LEVY:** \$394 per ha.***S.W. QUALITY LEVY:** N/A*

*Refer to Financial Contributions Register for updated figures.

PROPOSED WORK:

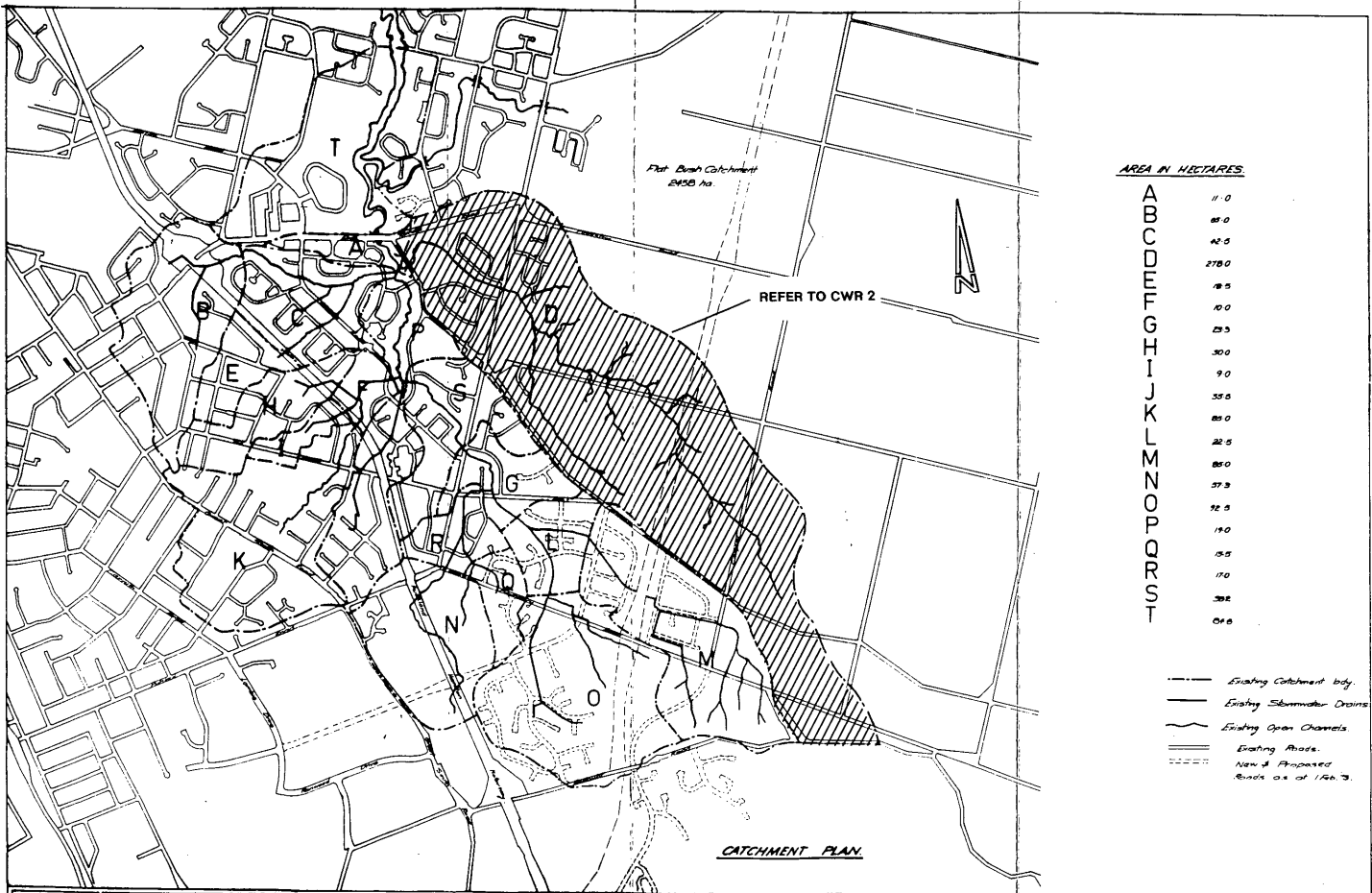
Culvert and stream upgrading. See attached map and diagrams of proposed works. Only works 5, 7 and 8 completed.

COST:* \$1.5 million (GST exclusive), as at Sep. 1978.

COMMENTS: 84 ha within the old Papatoetoe City Council area not covered by the conditions.

Diagrams Included: Catchment plan
Location of proposed works (and accompanying diagrams)

*Refer to Financial Contributions Register for updated figures.



Field Book.....	Surveyed.....	Date.....	Supervisor.....	Amendments.....	Date.....
Level Book.....	Designed.....	Mar 73	Approved.....		
Project No.....	Drawn.....	Mar 73	Date.....	25/8/76	
Job No.....	Checked.....	3/75			

CITY OF MANUKAU

OTARA STREAM

REDOUBT RD NORTH



J. M. T. WEIR
 C. ENG. FICE MAZIE
 City Engineer

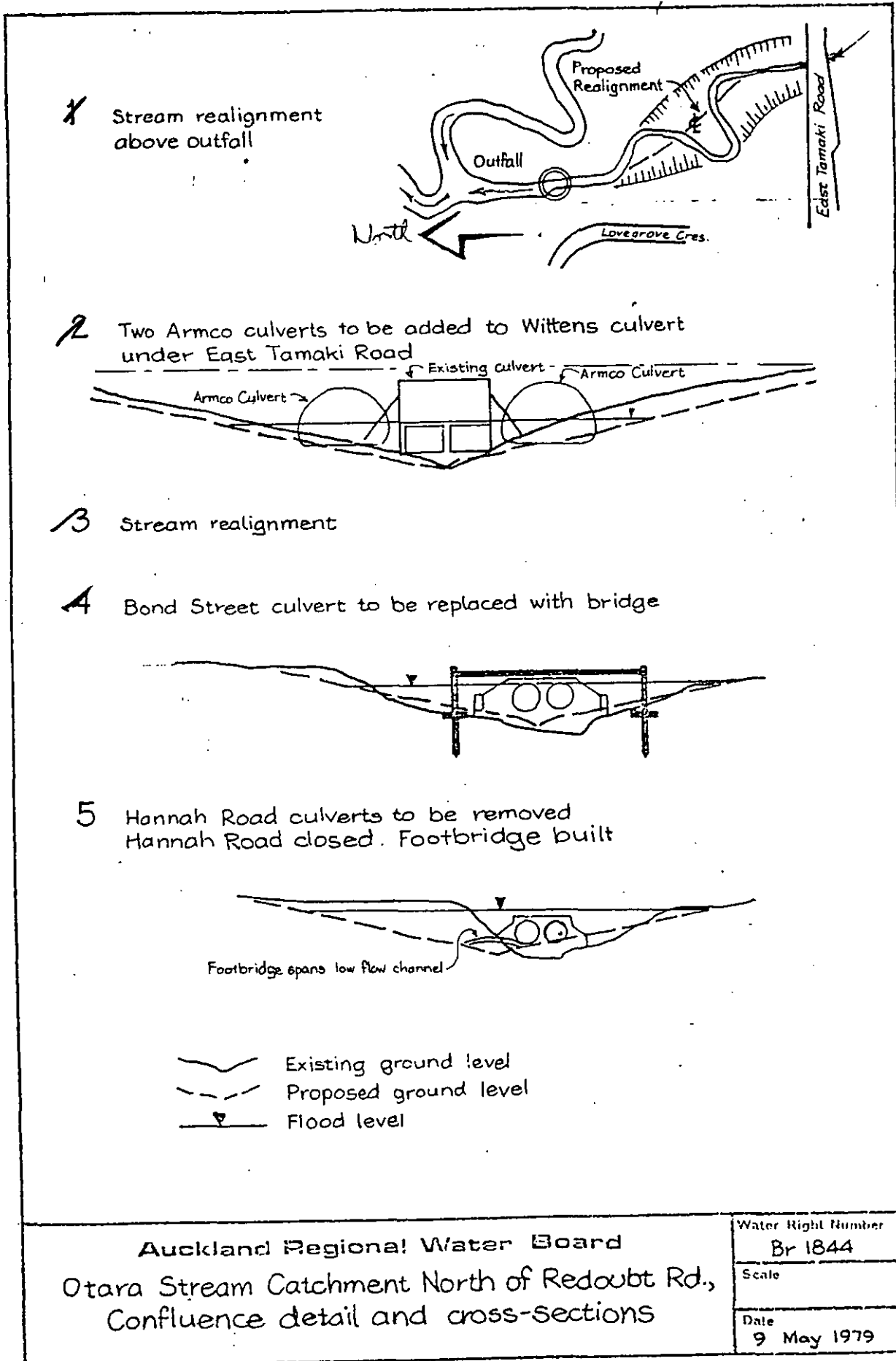
BLOCK 790... Sheet 5-1287
Plan No 08/73
Sheet 2 of 5 Sheets
Scale: 1:10000



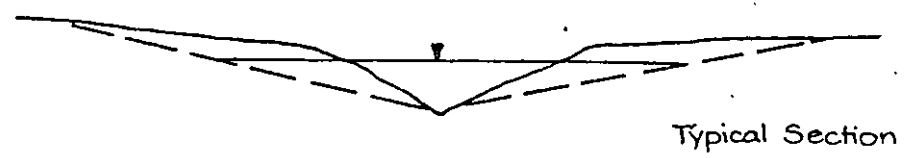
--- Catchment Boundary

Auckland Regional Water Board
 'Otara Stream, Catchment North of Redoubt Rd.
 Plan

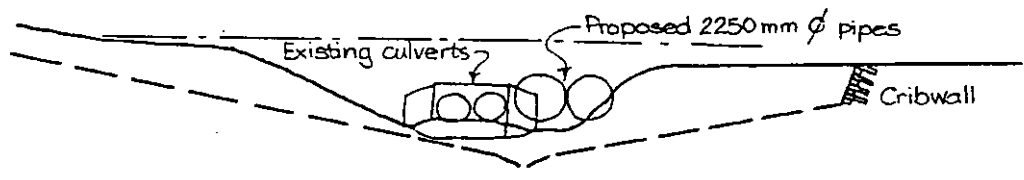
Water Right Number	Br 1844
Scale	1: 20,000
Date	9 May 1979



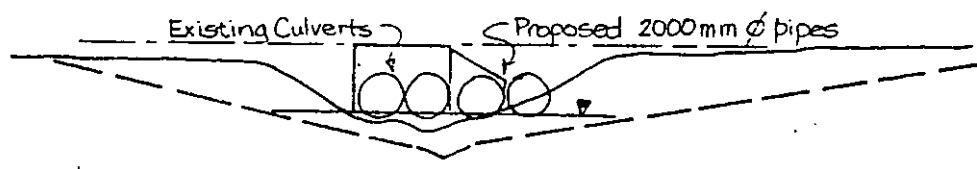
6 Stream clearing, realignment and channel formation
Hannah Road to Preston Road.



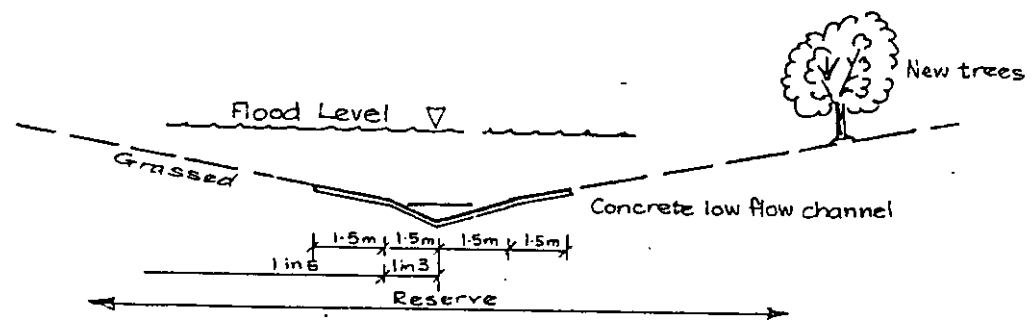
7 Preston Road proposed twin 2250 mm ϕ pipes
added to existing culverts



8 Flat Bush Road proposed twin 2000 mm ϕ pipes
added to existing culverts



9 Stream Channel formation



Auckland Regional Water Board
Otara Stream Catchment North of Redoubt Rd.
Cross-sections

Water Right Number Br 1844
Scale
Date 9 May 1979