

COMPREHENSIVE DISCHARGE REGISTER

CWR NO.8

TITLE: Puhinui Stream, Redoubt Rd Branch.

WATER RIGHT/RESOURCE CONSENT No.771624

COMPREHENSIVE DISCHARGE CONSENT No.14/10/B/1624

EXPIRY DATE: 11 May 2013

CATCHMENT SIZE: 217 ha.

POINT OF DISCHARGE: Puhinui Stream, N42-400426

PEAK DISCHARGE: 27.5 m³/s (2% AEP).

PRIMARY DESIGN STANDARD: 20% AEP, major culverts 10% AEP.

SECONDARY DESIGN STANDARD: 2% AEP.

FLOOR LEVEL RESTRICTION:

1m above 2% AEP for any stage of development, or refer to the Proposed District Plan (Section 9.9.1.2 (c)), **whichever is the more rigorous.**

OTHER CONDITIONS:

Ensure that natural gullies in the upper catchment area are protected from soil erosion and existing vegetation is maintained to provide slope stability.

COMPREHENSIVE DISCHARGE CONSENT LEVY: \$394 per ha.*

S.W. QUALITY LEVY: Refer to CWR No. 6.*

*Refer to Financial Contributions Register for updated figures.

PROPOSED WORK: Refer to CWR No. 6.

COST:* Refer to CWR No. 6.

COMMENTS:

- Detention required above motorway. If the ponding areas shown in Figure D are developed the motorway culverts should be adjusted to cater for a 10% AEP and a check made to ensure that adequate protection is provided for the motorway with a 2% AEP storm.
- If the land shown in Figure D (ponding areas) is built upon, the culverts & drains under Great South Rd need upgrading to cater for a 10% AEP storm with a check to ensure that Great South Rd. is protected from a 2% AEP storm event.
- Refer to CWR6 which deals with the whole Puhinui Catchment.

Diagrams Included: Catchment Location
Ponding Locations

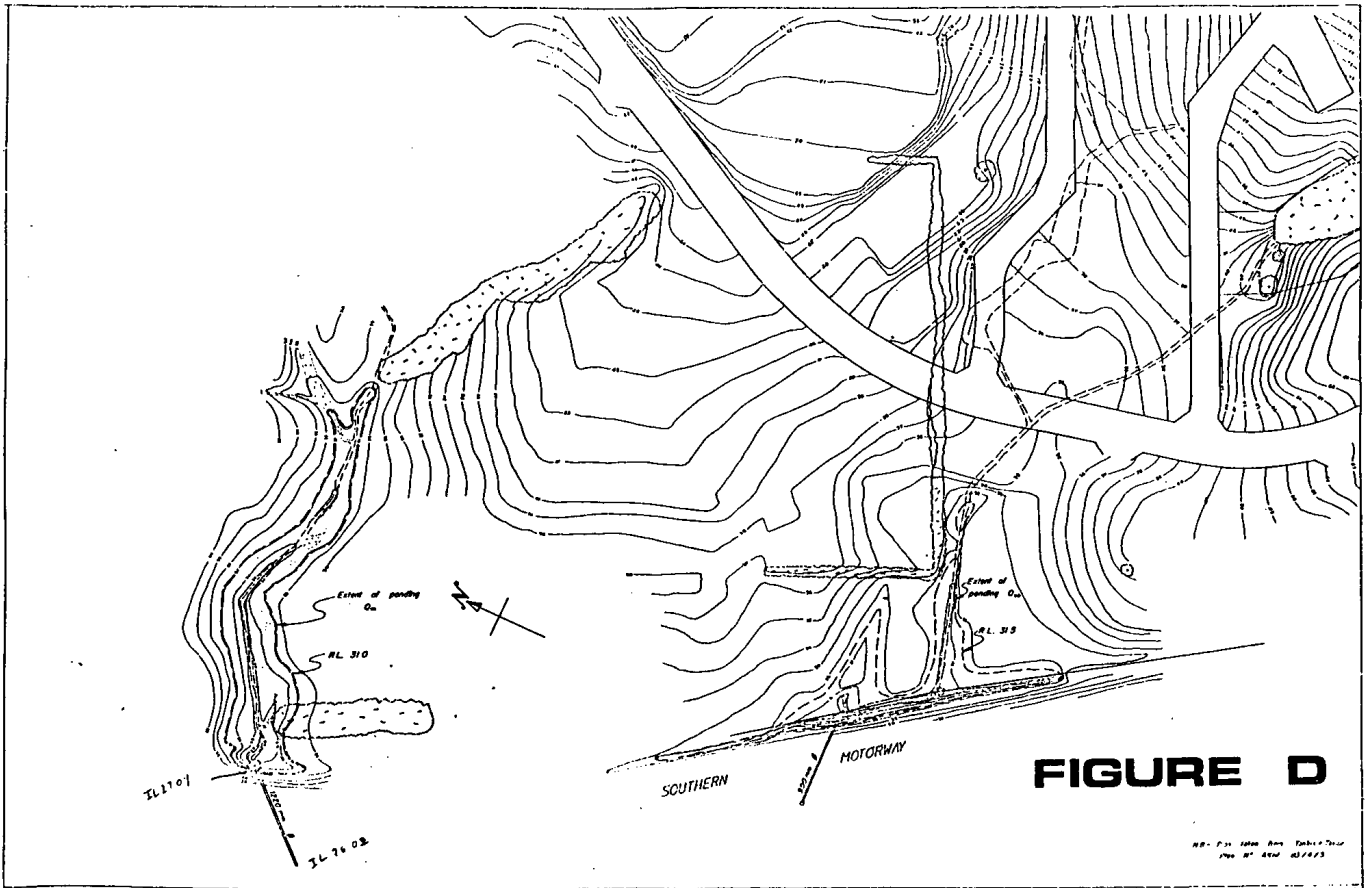
*Refer to Financial Contributions Register for updated figures.



KEY

	Proposed Flood Boundaries
	Existing Streams
	Proposed Reserves
	Catchment Boundaries

CITY OF MANUKAU						J. M. T. WEIR C. ENG. PACE M.N.Z.E.		Block Sheet Plan No.	
PUHINUI STREAM REDOUBT ROAD BRANCH (N° 8)						City Engineer.		Sheet of Sheets Scale 1:5000	
Field Book	Surveyed	Date	Supervised	Amendments	Date				
Level Book	Designed		Approved						
Project No.	Drawn/Checked	Date							
Job No.	Checked								



Field Book	Survey	Date	Instrument	Amalgamated	Date	CITY OF MANUKAU			Scale	Sheet
Level Book	Observer					PUHINUI STREAM REDoubt ROAD			Plan No.	
Project No.	Drawn/Checked					BRANCH (N° 8)			City	Manukau
Job No.	Checked							City	Manukau	