

**COMPREHENSIVE DISCHARGE REGISTER**

CWR NO.115

TITLE: Liston Catchment, Howick.

WATER RIGHT/RESOURCE CONSENT No.-

COMPREHENSIVE DISCHARGE CONSENT No.-

EXPIRY DATE: -

CATCHMENT SIZE: 82 ha.

POINT OF DISCHARGE: Howick Beach, NZMS 260 R11 834709

PEAK DISCHARGE: 27 m<sup>3</sup>/s (1% AEP).

PRIMARY DESIGN STANDARD: 20% AEP.

SECONDARY DESIGN STANDARD: 1% AEP.

**FLOOR LEVEL RESTRICTION:**

**0.5m** above 1% AEP;

except where 1% AEP flowpath is intercepted by roadways - **1m** above roadway level;

where the property lies on the overland flow path - **1.5m** above average ground level across 10m wide section of flowpath valley;

or refer to the Land Information Register;

or refer to the Proposed District Plan (Section 9.9.1.2 (c) ), **whichever is the more rigorous.**

OTHER CONDITIONS: -

COMPREHENSIVE DISCHARGE CONSENT LEVY: N/A\*

S.W. QUALITY LEVY: N/A\*

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\*Refer to Financial Contributions Register for updated figures.

**PROPOSED WORK:** Refer to the attached Management Plan Key Features.

**COST:\*** \$215,000 (approx.)(excluding both design costs and GST), as at June 1993.

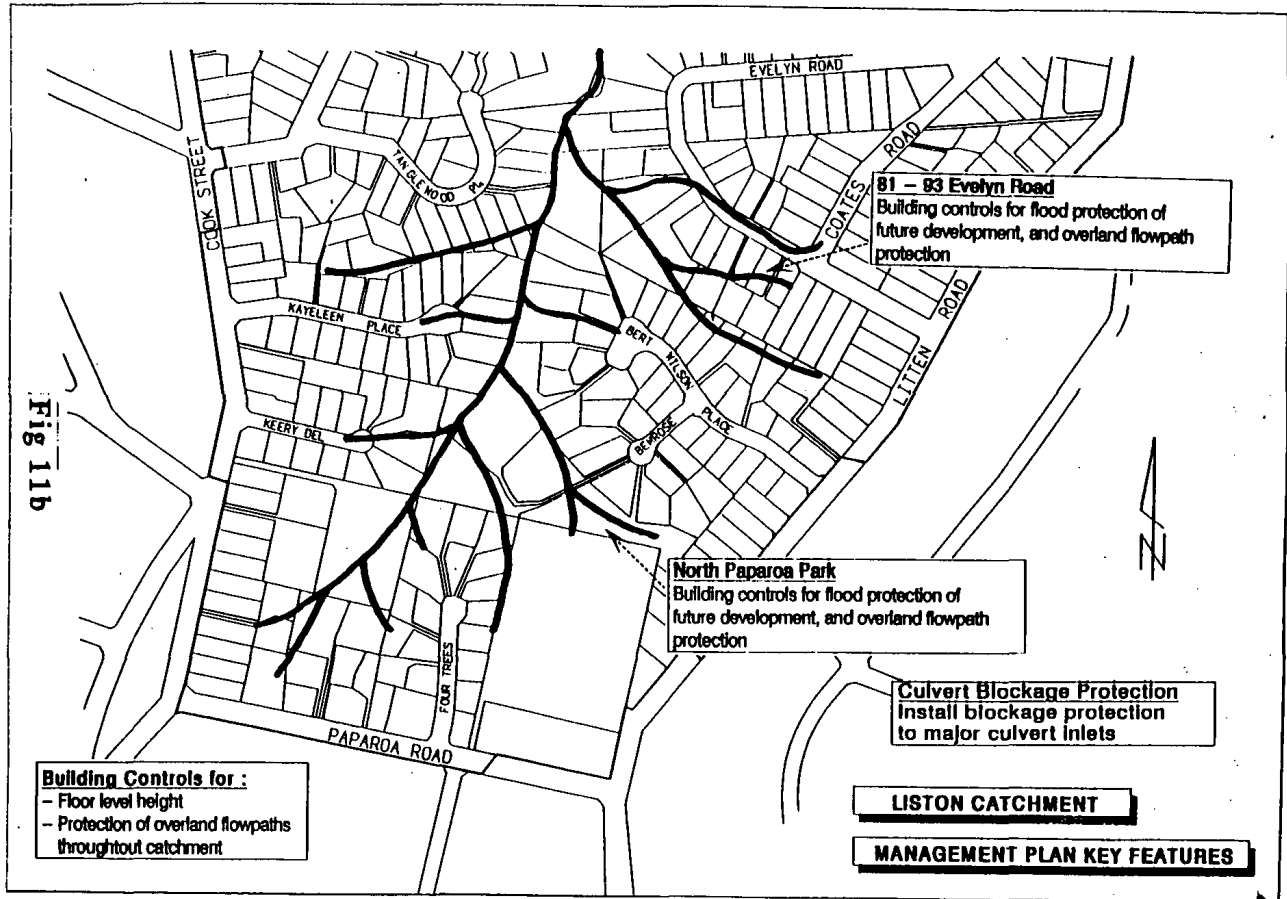
**COMMENTS:**

- 43% max. impervious surface cover, at present there is 38% impervious surface cover.
- For allowance for possible sea level rise refer to Section 9.9.1.2 of the Proposed District Plan (minimum site level = 0.5m above 2.9m DOSLI datum).

*Diagrams Included:* Management Plan Key Features  
Flood Hazard Maps

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\*Refer to Financial Contributions Register for updated figures.



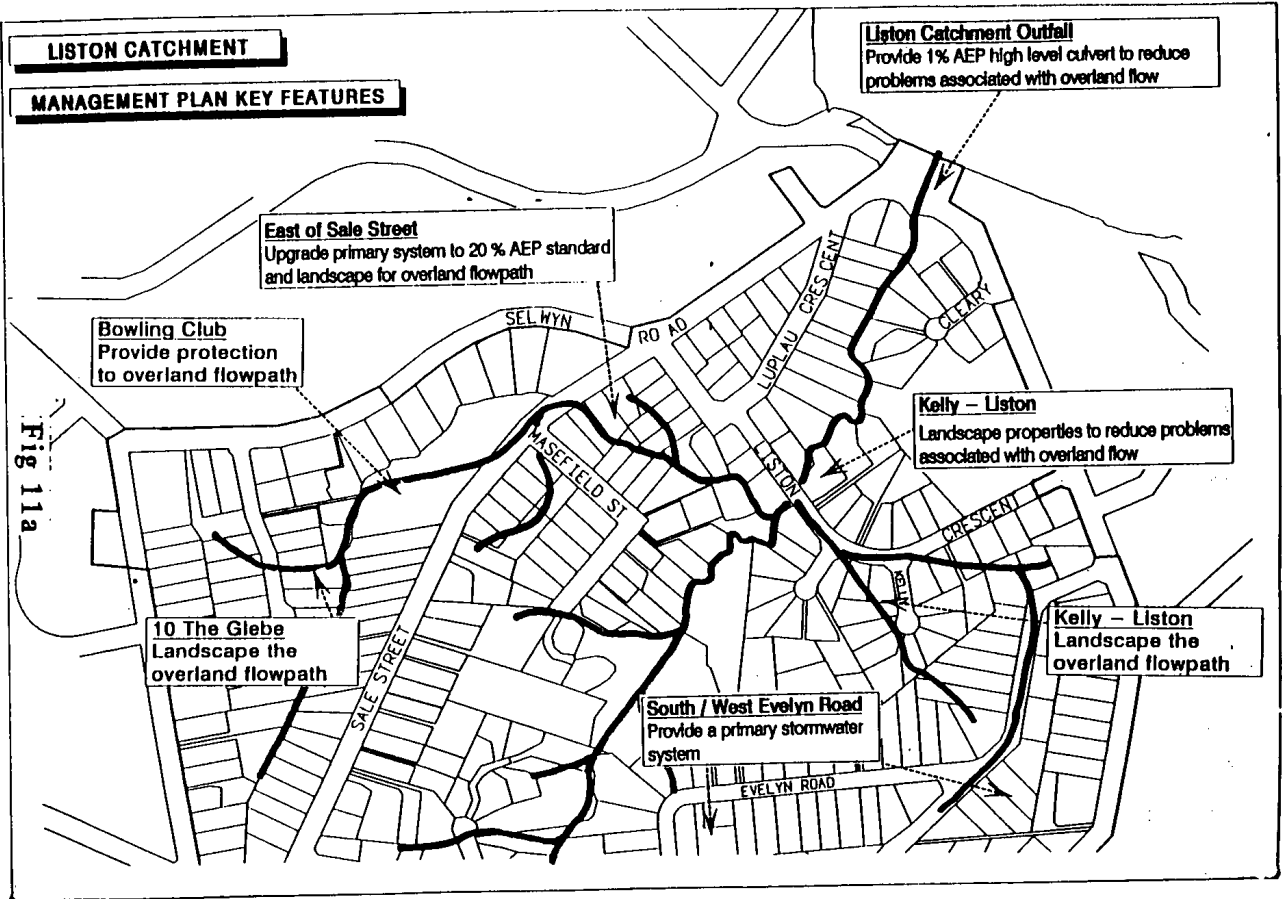
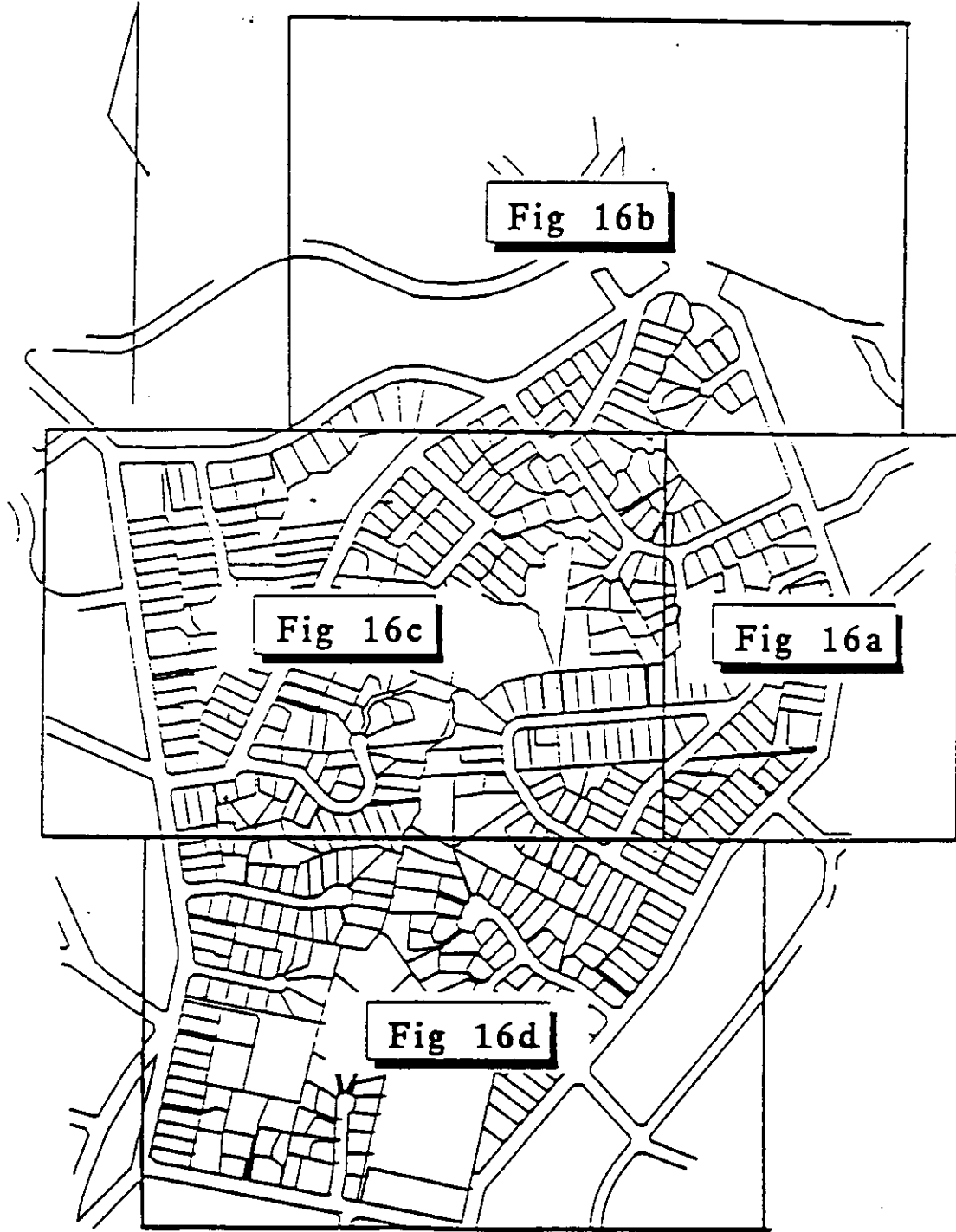


Fig 11a







# LAYOUT OF DRAWINGS



**FLOOD HAZARD MAPS**

**LEGEND**

-  Property on major overland flowpath
-  Major overland flowpath
-  Ponding area
-  Habitable floor at threat in 1% A.E.P.
- $Q = 3$  1% A.E.P. overland flow (cu.m/s)



