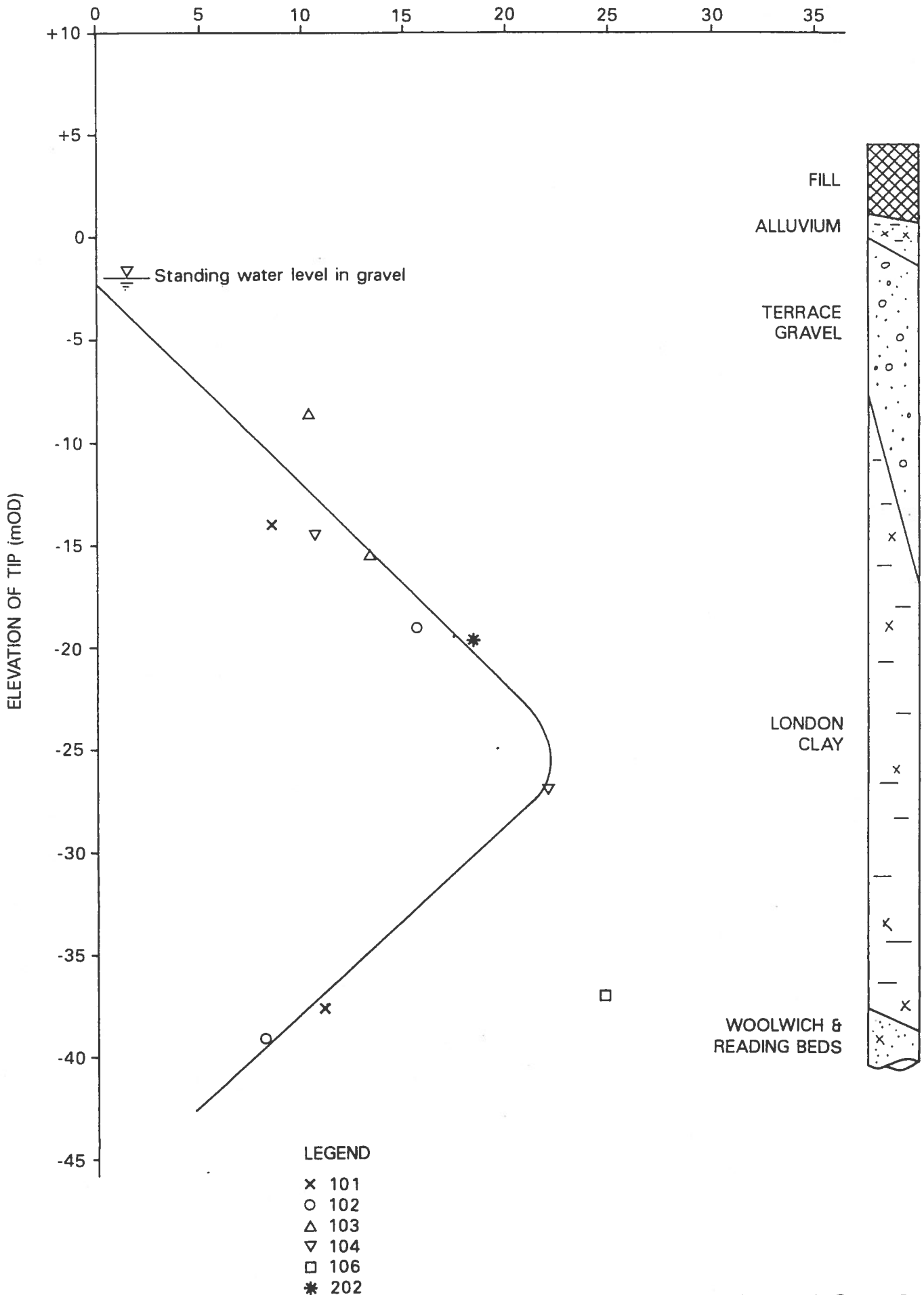


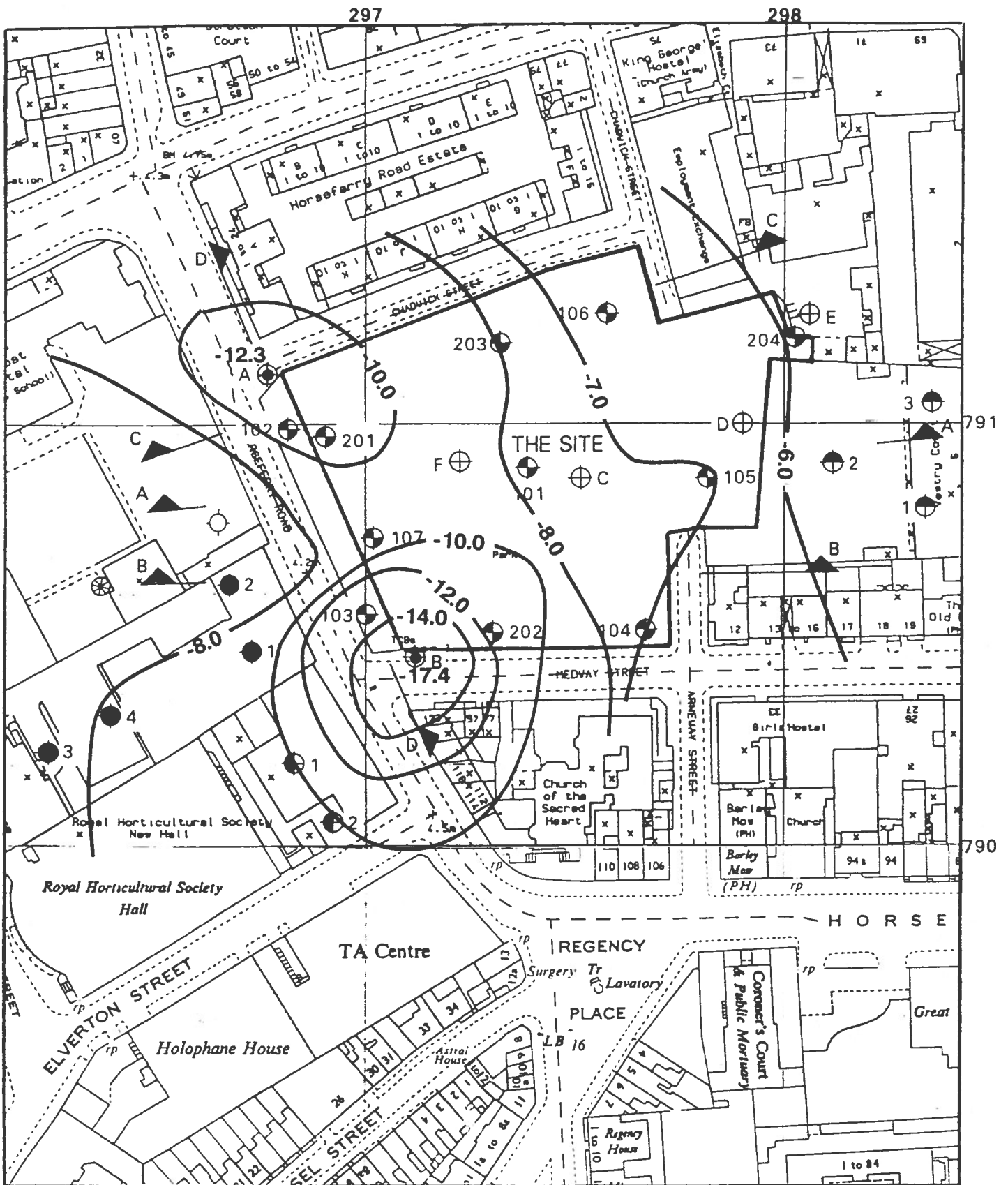
HEAD OF WATER ABOVE TIP (m)



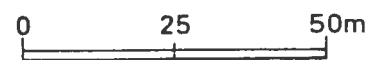
PIEZOMETRIC PROFILE

43000

FIGURE 18



© Crown copyright (1973 & 1985)
Scale 1:1250



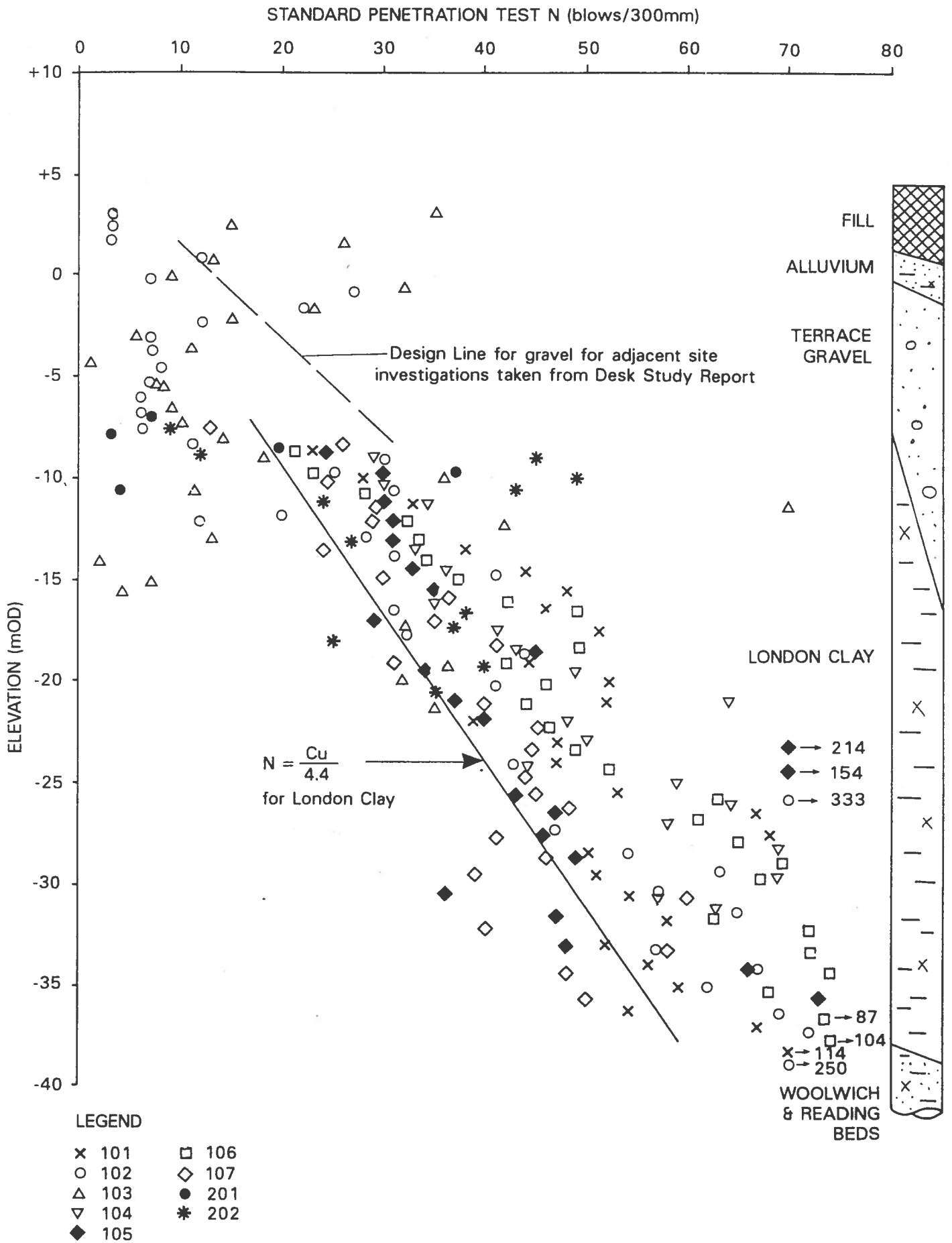
KEY

- 99-105 Horseferry Road, 1985
- ⊙ 95 Horseferry Road, 1982
- ⊕ South Western District Office, 1962
- ⊙ Monck Street, 1987
- ⊙ 124-126 Horseferry Road, 1989
- Records from BGS

**CONTOURS OF LONDON
CLAY SURFACE (MOD)**

43000

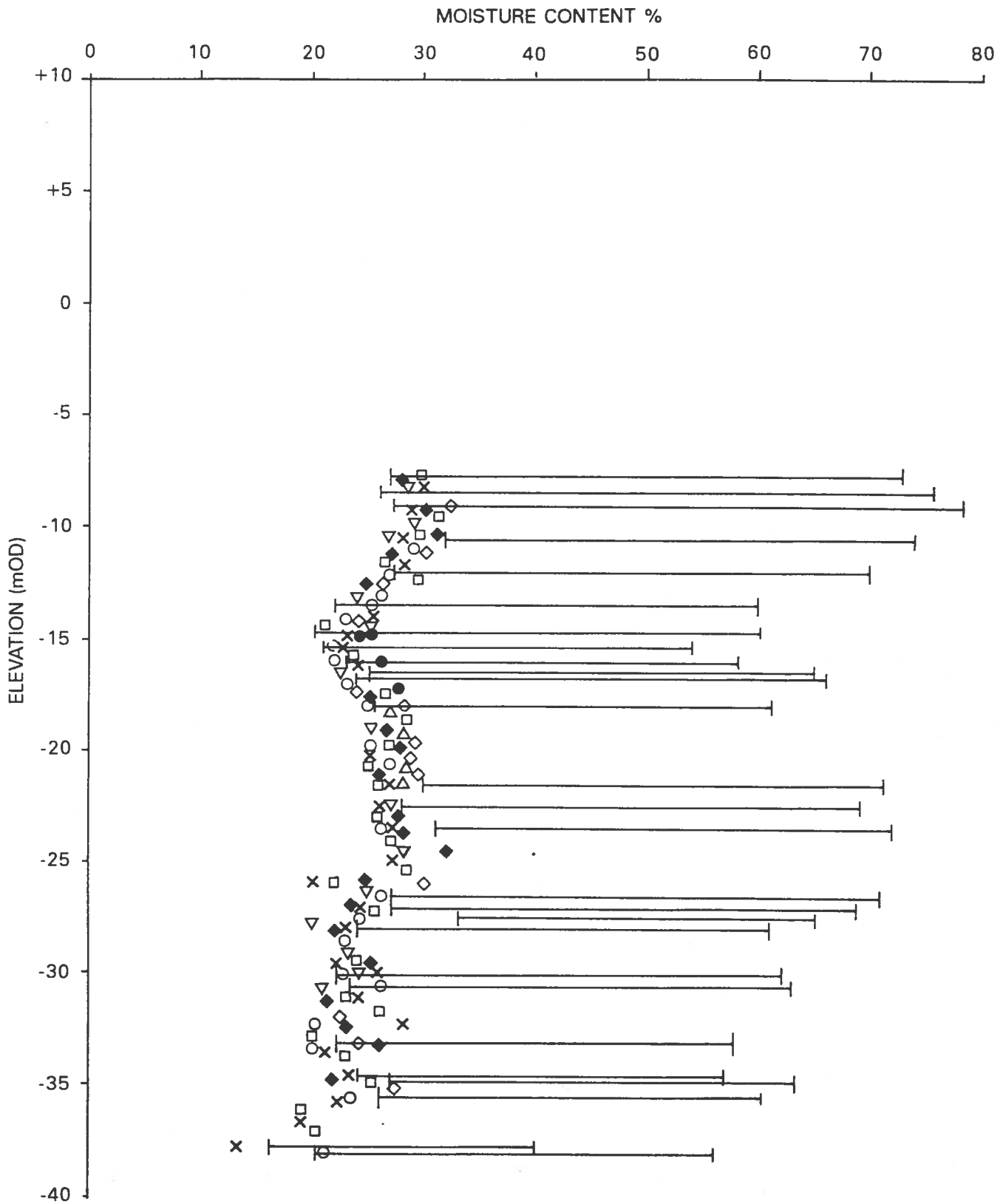
FIGURE 19



STANDARD PENETRATION TEST PROFILE

43000

FIGURE 20



LEGEND

- x 101
- o 102
- △ 103
- ▽ 104
- ◆ 105
- 106

- ◇ 107
- 201
- * 202

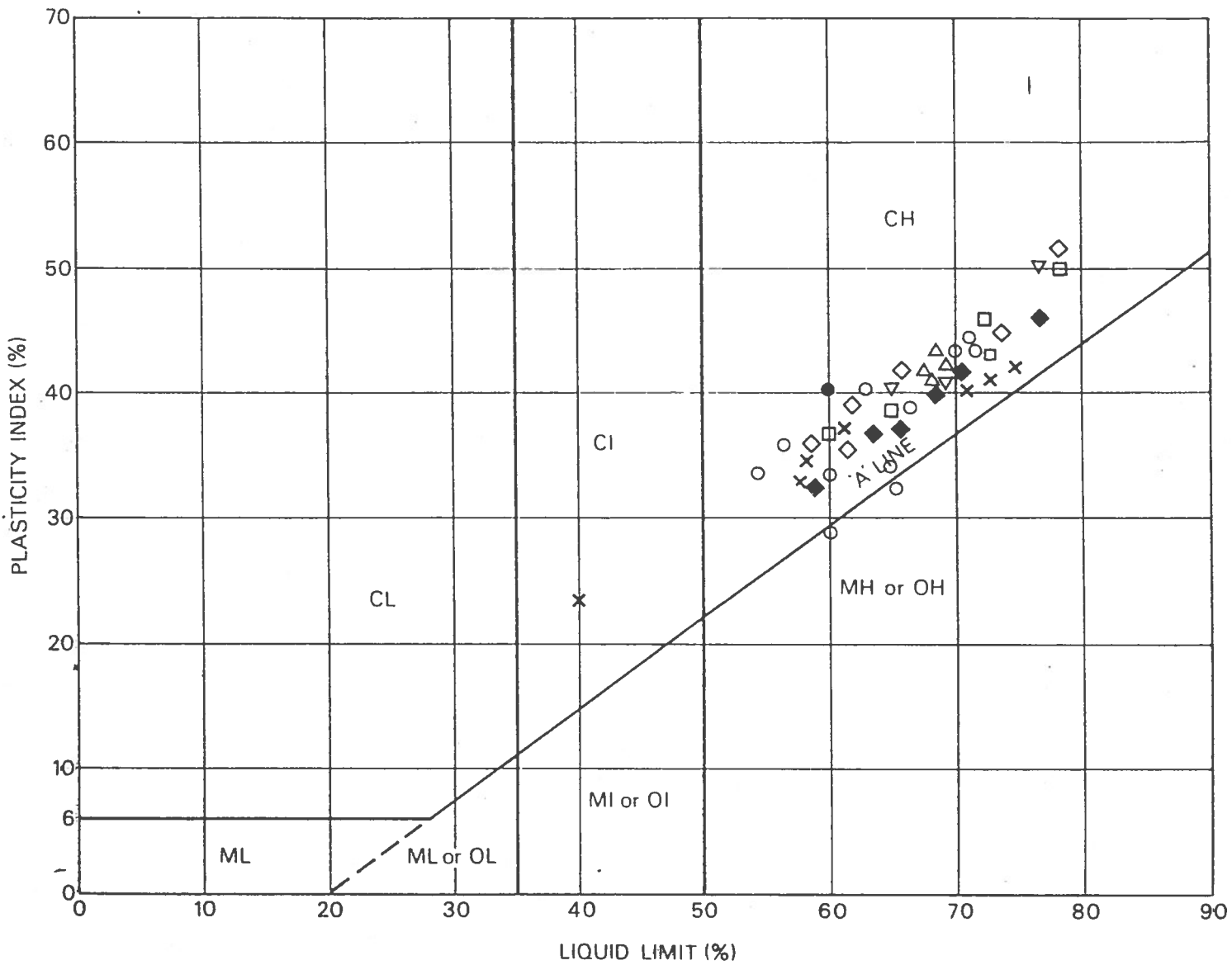
PL MC LL

MC Natural moisture content

LL Liquid limit

PL Plastic limit

ATTERBERG LIMITS FOR LONDON CLAY



The fine grained soils are divided into three groups:

- M Inorganic silts
- C Inorganic clays
- O Organic silts & clays

The soils are further divided into liquid limits of:

- L Lower than 35%
- I Intermediate between 35% and 50%
- H Higher than 50%

LEGEND

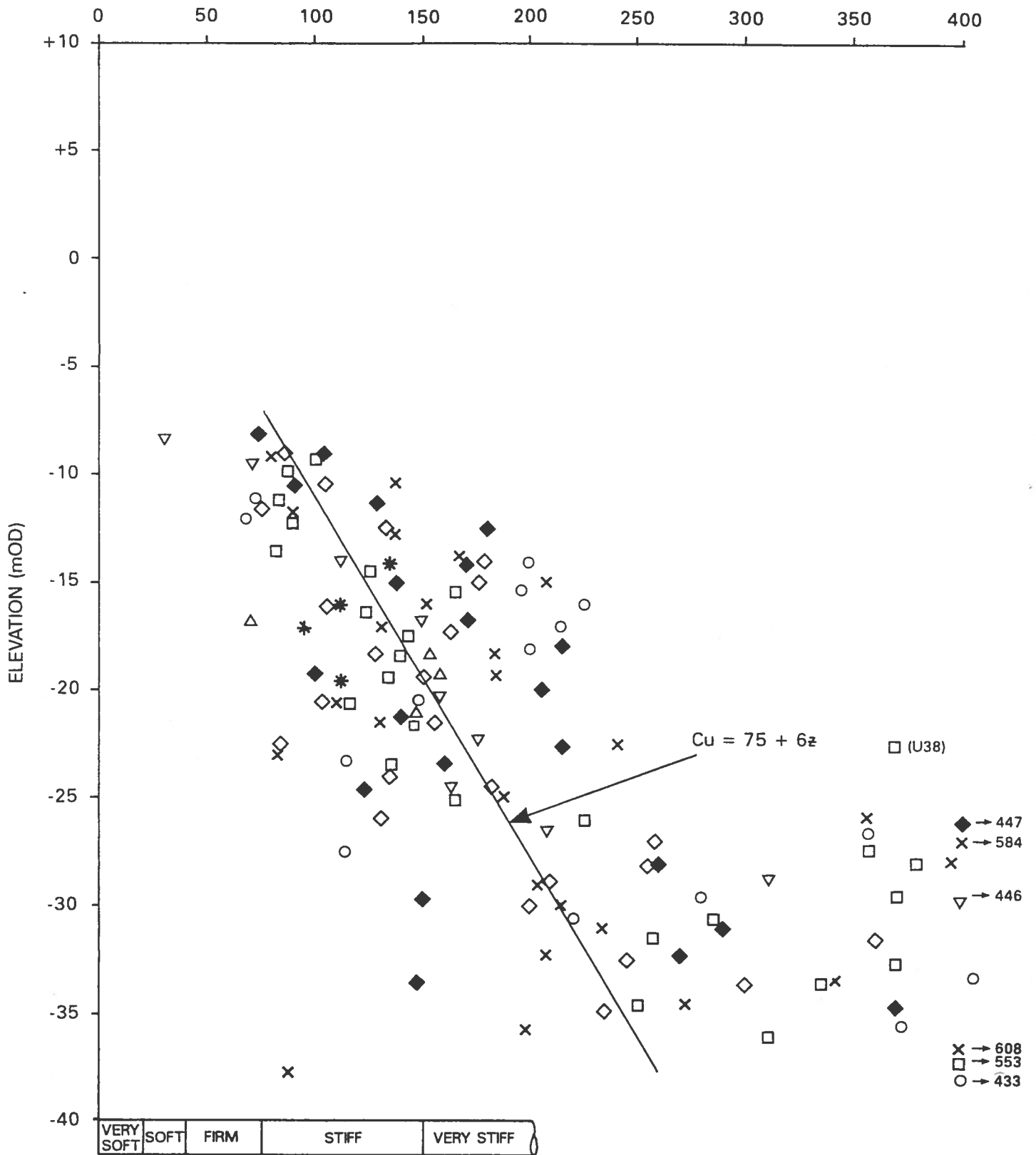
- | | |
|-------|-------|
| × 101 | □ 106 |
| ○ 102 | ◇ 107 |
| △ 103 | ● 201 |
| ▽ 104 | ✱ 202 |
| ◆ 105 | |

PLASTICITY CHART
FOR LONDON CLAY

43000

FIGURE 22

UNDRAINED SHEAR STRENGTH C_u (kPa)

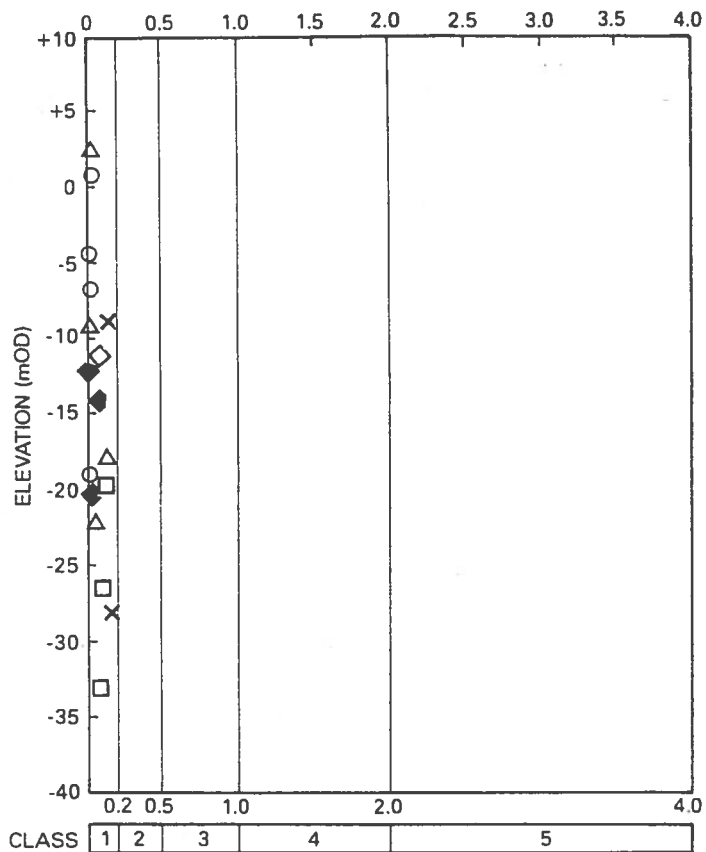


UNDRAINED SHEAR STRENGTH FOR LONDON CLAY

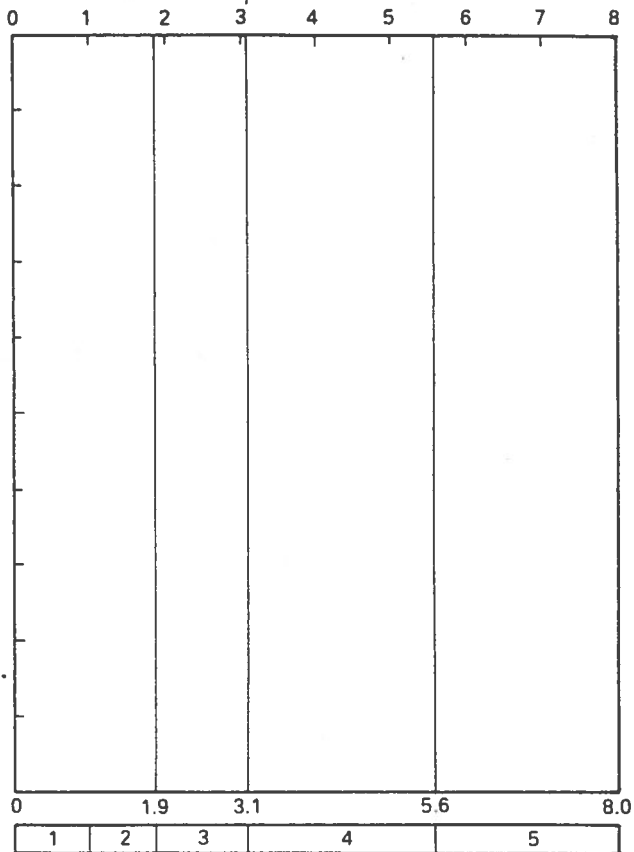
43000

FIGURE 23

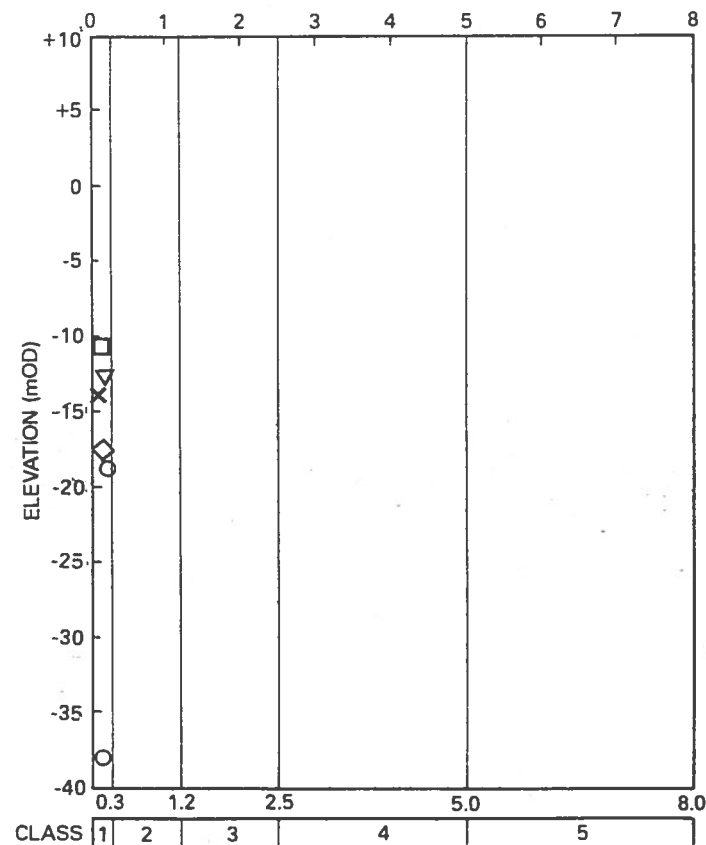
TOTAL SULPHATE CONTENT OF SOIL AS SO_3 (%)



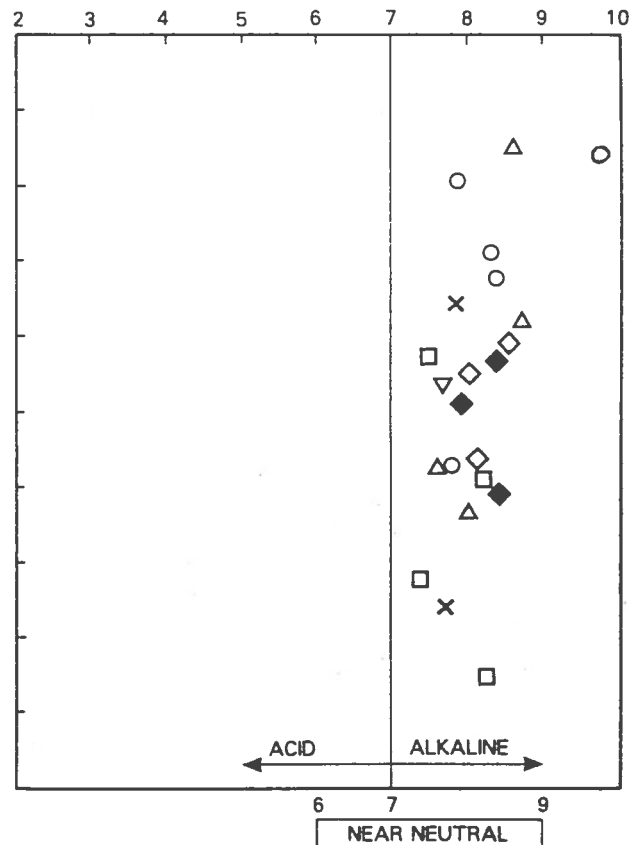
SULPHATE CONTENT OF 2.1 WATER:SOIL EXTRACT AS SO_4^{2-} (g/L)



SULPHATE CONTENT OF GROUNDWATER AS SO_4^{2-} (g/L)



pH



Classification according to BS8110 Table 6.1

LEGEND

- × 101 □ 106
- 102 ◇ 107
- △ 103 ● 201
- ▽ 104 * 202
- ◆ 105

RESULTS OF SULPHATE AND pH TESTS

43000

FIGURE 24