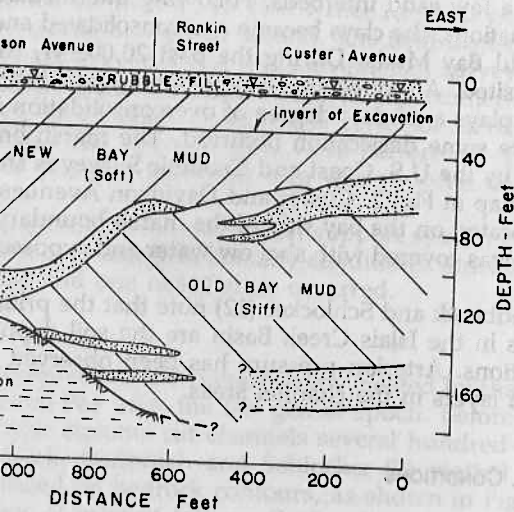


...ing Culvert Allnment and Locations of Borings and In-
(05 m)



Profile along Culvert Axis (1 ft = 0.305 m)

...n and pinch out moving westward along David-
...y are overlain by sand lenses. The New Bay Mud
...ses and Old Bay Mud. Its thickness is about 40
...ng Custer and Rankin, but increases suddenly

to 100 ft (30 m) along Davidson, apparently due to a channel which was
incised in the Old Bay Mud in this area.

Fig. 5 shows the data obtained from tests performed by Stanford re-
search personnel on New Bay Mud samples from Custer Avenue and
Rankin Street. Since the properties appeared to be the same, no dis-
tinction is made in locations of the samples. Test results for the New
Bay Muds along Davidson Avenue are given in Fig. 6. There are a num-
ber of similarities between the data in Figs. 5 and 6. Both show a CH
clay with a high water content, a low unit weight, a relatively high sen-
sitivity (8-40), and a low undrained shear strength. However, there are
also significant differences, which are shown by the average sets of
properties given in Table 1. The New Bay Muds along Davidson Avenue
generally have a higher water content, liquid limit, and sensitivity, and
a lower unit weight and undrained shear strength than those from Ran-
kin Street or Custer Avenue.

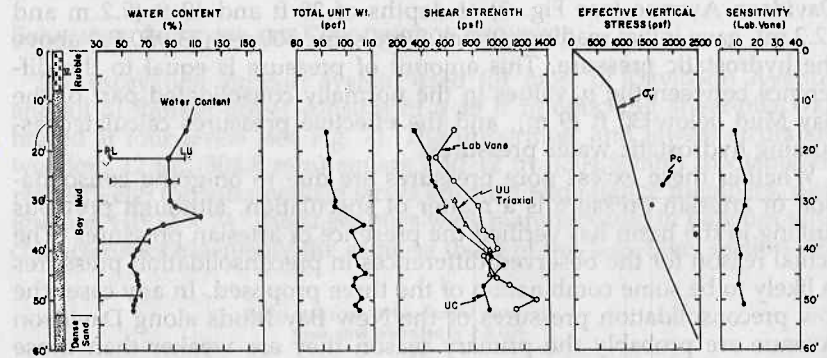


FIG. 5.—Soil Properties—Custer Avenue and Rankin Street (1 psf = 47.9 Pa; 1
pcf = 1.6 kg/m³)

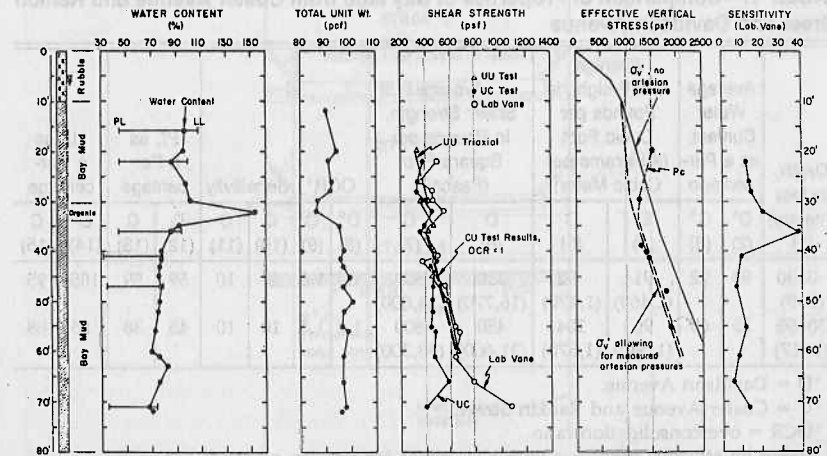


FIG. 6.—Soil Properties—Davidson Avenue (1 psf = 47.9 Pa; 1 pcf = 1.6 kg/m³)