

UNPUBLISHED REPORT 1964/33

## Proposed drive-in theatre, North Warrane

*by M. J. Longman*

At the request of the Consulting Engineers, Gutteridge, Haskins and Davey, the site of the proposed drive-in theatre at North Warrane was inspected to determine the proportion of rock and soil to be excavated.

The rock of the area is composed of interbedded sandstone and shale of Triassic age. The sandstone is massive with sparse current and normal bedding visible and the shale bands are thin.

Bedding on adjacent outcrops strike 255° and 330° and dip 10° and 14° to the east.

The rock is covered by sandy soil with some clay layers varying in thickness from 2'3" to 3'6" in six auger holes in the area. However, below this depth there is a possible one to two feet of weathered rock which could not be penetrated by the soil auger.

Assuming an average rock depth of 3 feet the estimated quantity of soil to be removed is 10,000 cubic yards and the rock is 21,000 cubic yards. This estimate does not include material to be removed for access roads. However, if the rock is weathered to a depth of 2' the solid rock may be only 15,000 cubic yards.

For more detailed information it is suggested that trenches be excavated along the section lines AO, CO and EO to determine the extent of rock weathering and the proportion of rock which could be removed by ripping.

*[15 December 1964]*