

U N C L A S S I F I E DDEPARTMENT OF MINESSOUTH AUSTRALIA

REPORT ON THE RESULTS OF FOUNDATION DRILLING
ON BUILDING SITE AT FINSBURY.

In response to a request from Messrs. Hurren, Langman and James, Architects, two foundation test bores were put down on the site of a proposed building on the property of the South Australian Portland Cement Company, Ltd., at Finsbury.

Two bores, each 60 ft. deep were put down on the property and these revealed a series of clays and silty clays alternating with sands and sandy clays, most of the sands and sandy clays containing water. From an average depth of about 15 ft. to a depth of 35 ft. a fine-grained sand aquifer was encountered, but there is no information as to the quantity or quality of the water encountered, nor the height at which it stands.

Since the anticipated foundation loadings for the proposed building are not high it is considered that adequate stability and bearing capacity for the foundations will be encountered at a depth of 4 feet. Should buildings of much higher foundation loading be required on this property in the future it would be advisable to seat the foundations at a depth of 11 feet.

Copies of the logs of the bores are attached hereto.

A. A. Gibson
A. A. GIBSON,
GEOLOGIST.

ENGINEERING GEOLOGY AND MINERAL RESOURCES SECTION.

S.A. PORTLAND CEMENT CO. LTD.

F I N S B U R Y.

D.M. 1148/54

Bore 1.

Depth 60 ft.

Drilling commenced 27/8/54
Drilling completed 3/9/54
Diameter 3 $\frac{1}{2}$ "

Serial No. PD718/54

Driller Wilson

0	-	0'4"	Grey clay loam
0'4"	-	1'6"	Yellowish - grey sandy clay
1'6"	-	3'0"	Red - brown & grey particoloured silty clay
3'0"	-	3'4"	Grey sandy clay, wet
3'4"	-	6'3"	Light brown & red particoloured silty clay
6'3"	-	6'9"	Wet light greyish brown sandy clay
6'9"	-	7'6"	Wet clayey sand, light brown & grey
7'6"	-	10'0"	Brownish - grey plastic clay, stiff, some grit
10'0"	-	10'8"	Sloppy light brown clay
10'8"	-	14'8"	Stiff greyish - brown plastic clay, some grit
14'8"	-	20'0"	Light greyish - brown wet sand
20'0"	-	22'0"	Fine, slightly clayey silt
22'0"	-	23'4"	Greyish to white fine compact sand
23'4"	-	35'0"	Fine buff silty sand & water
35'0"	-	36'4"	Stiff light grey plastic clay
36'4"	-	36'6"	Fine yellowish clayey sand
36'6"	-	37'7"	Stiff light grey plastic clay
37'7"	-	38'4"	Fine buff coloured wet sand
38'4"	-	39'2"	Stiff light greyish brown gritty clay
39'2"	-	39'8"	Fine greyish - buff clayey sand, wet
39'8"	-	42'0"	Wet, coarsely gritty & silty particoloured clay
42'0"	-	43'9"	Greyish brown silty clay, stiff
43'9"	-	52'4"	Wet reddish - brown sandy clay
52'4"	-	53'0"	Stiff red & grey particoloured silty clay
53'0"	-	53'10"	Nearly dry, stiff, pale particoloured silty clay
53'10"	-	54'5"	Stiff light grey plastic clay
54'5"	-	54'7"	Red - brown moist sandy clay
54'7"	-	57'3"	Stiff light greyish brown silty clay.

57'3"	-	58'0"	Moist particoloured sandy clay
58'0"	-	58'4"	Stiff greyish - brown plastic clay
58'4"	-	58'10"	Moist particoloured sandy clay
58'10"	-	60'0"	Stiff particoloured silty clay
			End of Bore.

Bore 2.
Depth 60 ft.

Drilling Commenced 3/9/54
Drilling Completed 8/9/54
Diameter 3 $\frac{1}{8}$ "

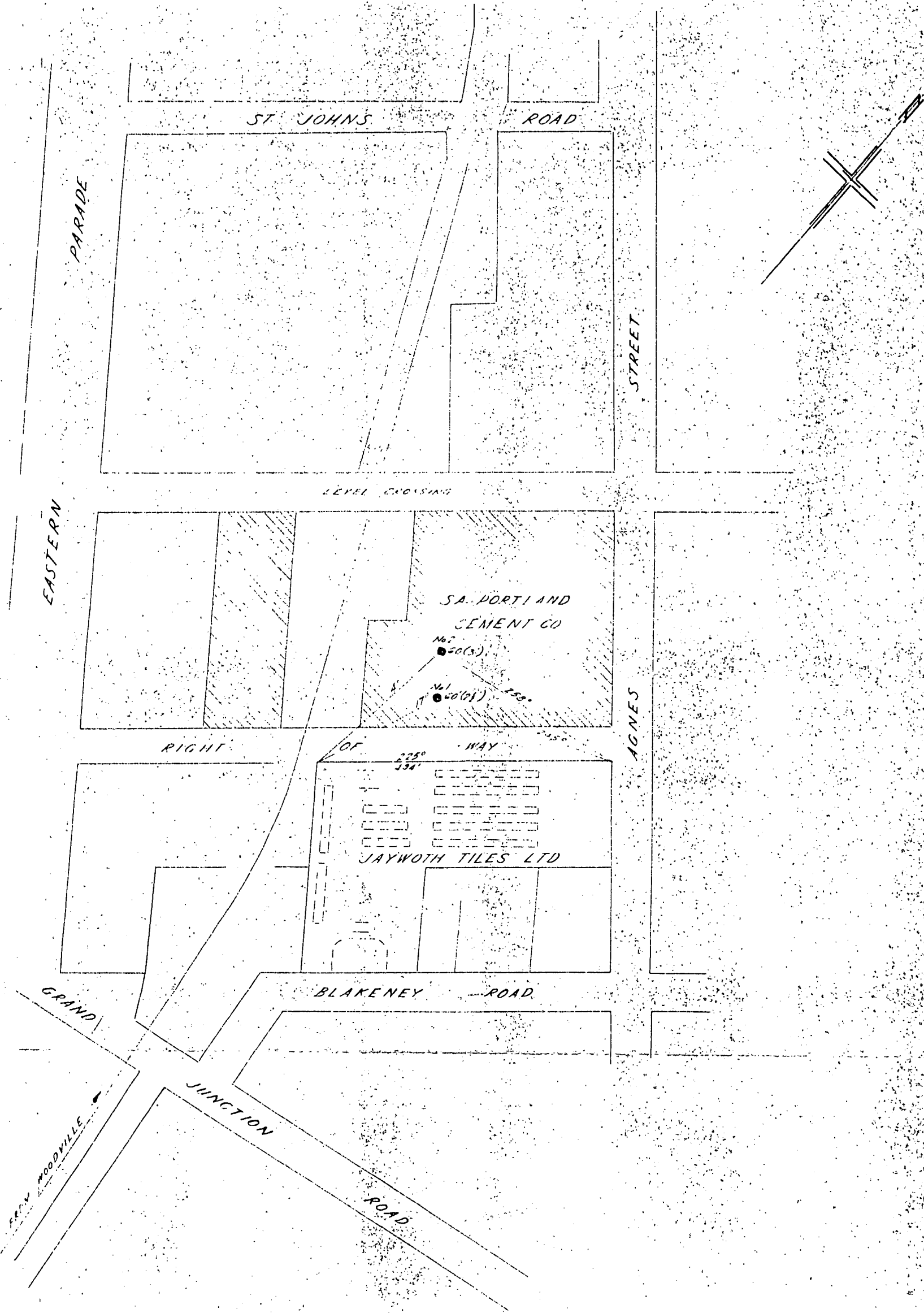
D.M. 1148/54

Serial No. PD
730/54

Driller Wilson

0	-	0'4"	Grey clay loam
0'4"	-	1'6"	Grey - brown clayey sand
1'6"	-	4'5"	Red brown very sandy clay with a few pockets of lime
4'5"	-	6'3"	Red brown & grey particoloured sandy clay
6'3"	-	9'0"	Moist to wet greyish - brown plastic clay
9'0"	-	14'9"	Very stiff brown to brownish grey plastic clay, some grit.
14'9"	-	15'0"	Very stiff grey clay with nodules of lime
15'0"	-	16'3"	Very stiff greyish brown plastic clay
16'3"	-	35'0"	Fine buff coloured silty sand with water
35'0"	-	37'3"	Ditto with coarse grit
37'3"	-	39'10"	Stiff brownish grey with some grit & lime nodules
39'10"	-	40'9"	Wet very sandy light greyish brown clay
40'9"	-	43'0"	Stiff greyish brown plastic clay
43'0"	-	43'8"	Very silty greyish brown moist clay
43'8"	-	51'6"	Red - brown & grey particoloured clay, stiff
51'6"	-	52'0"	Ditto, moist
52'0"	-	52'6"	Dark red wet clayey sand
52'6"	-	54'0"	Brown & grey particoloured finely silty clay, small pockets of lime
54'0"	-	55'6"	Ditto with some coarse lime nodules.
55'6"	-	60'0"	Stiff light brown & grey particoloured finely silty clay.

End of Bore.



S. A. DEPT. OF MINES

SA. PORTLAND CEMENT Co.
SUBDIVISION OF YARRAWARRA
FOUNDATION. BORES

Plans for

54-224

Map 5

8-10-54