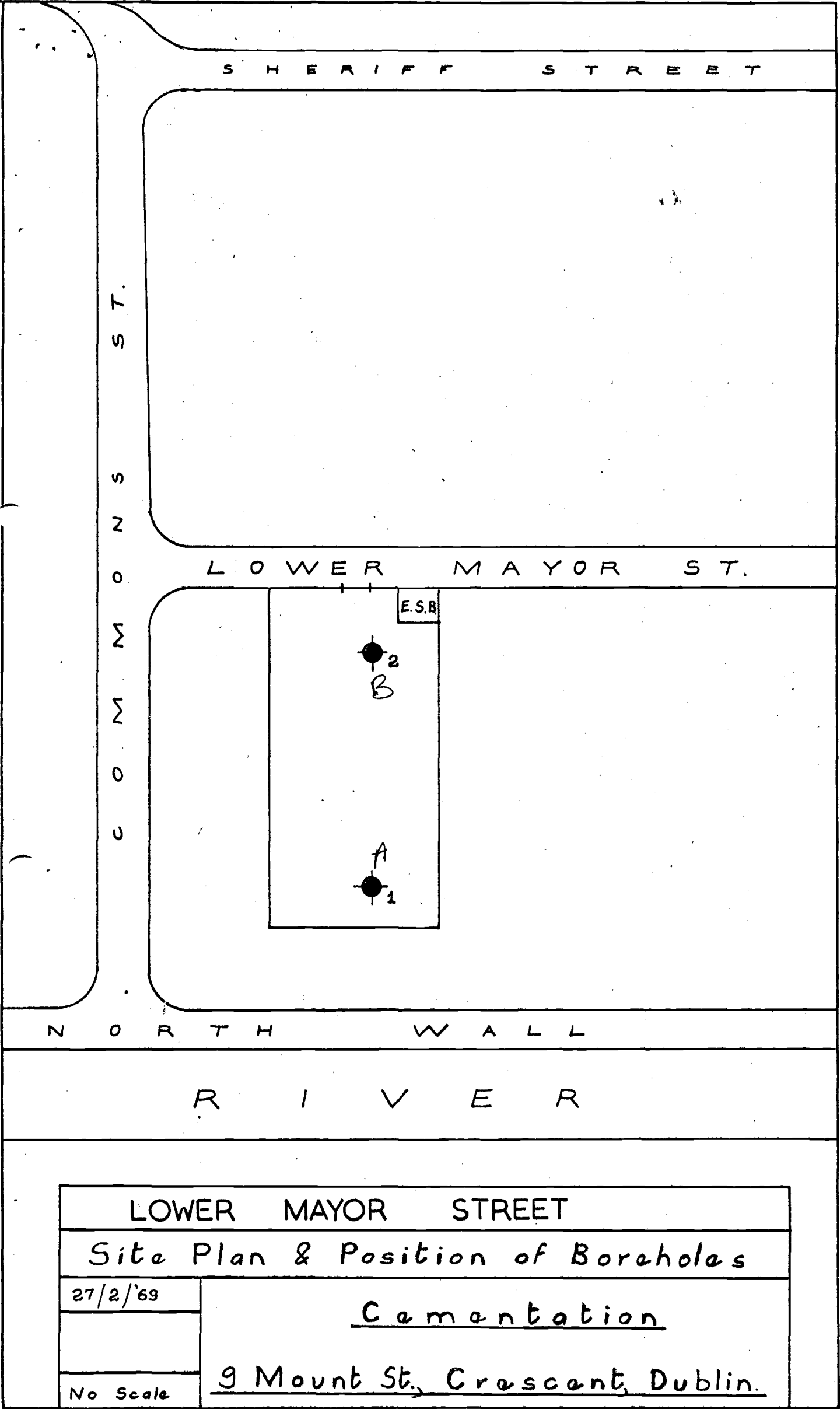
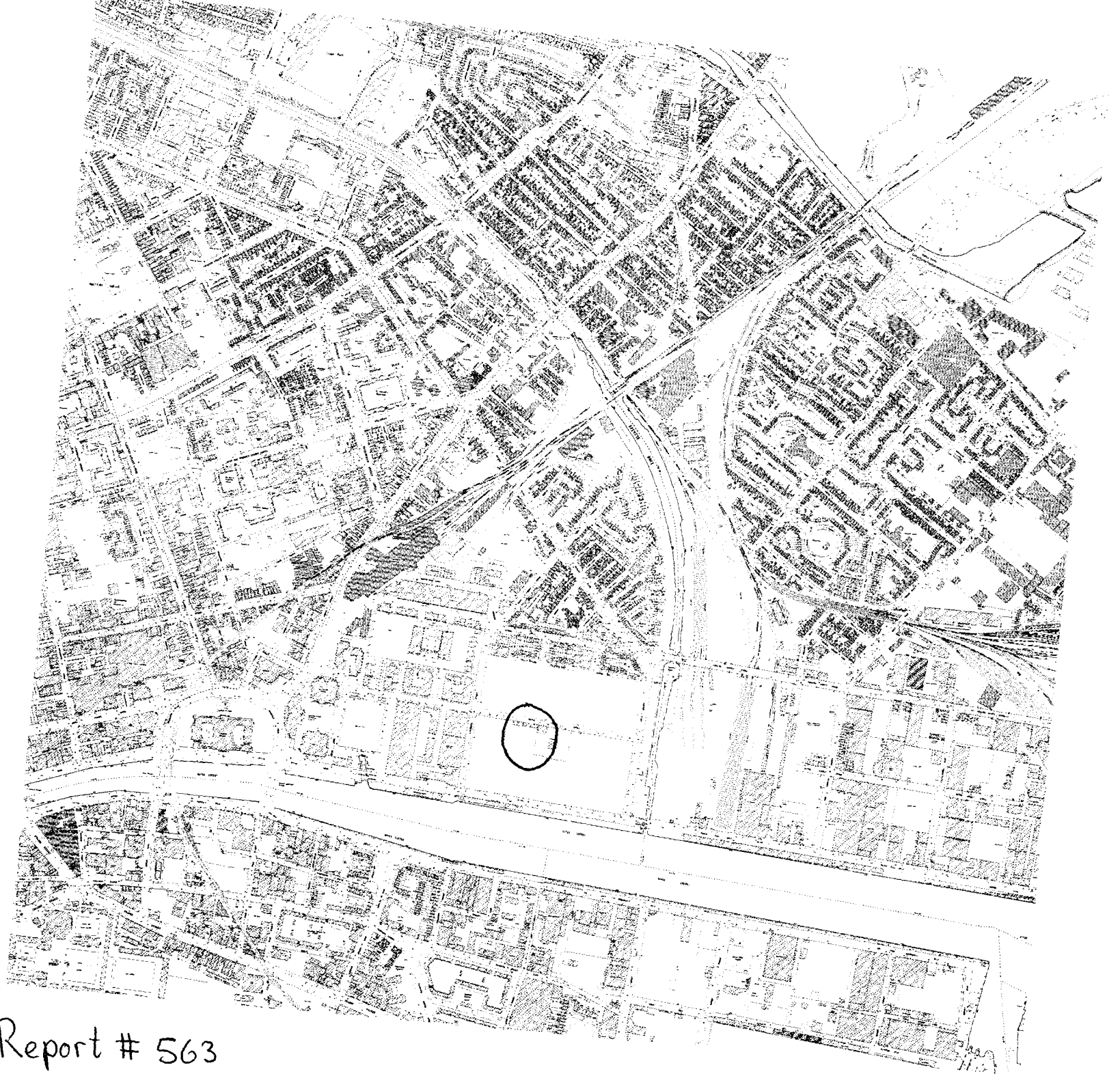






Report # 563

Box: 27

Map No: 316 234

NAV ID: 59647

Remarks All levels are related to ground level.

This form to be returned to Head Office immediately the borehole is completed.

THE CEMENTATION CO. (IRELAND) LTD.

SOIL INVESTIGATION
BORING RECORD

Inv 10: 59646

CONTRACT Lower Mayor Street

BOREHOLE No. 1

Report No.

Order No.

Bored for P.P. Freyer Esq.,

Site Address Lr. Mayor St. Dublin.

Boring Commenced 30. 1. 69

Boring Completed 30. 1. 69

Type of Boring Shell and Auger

Diameter of Borehole 8 ins.

Ground level 19E O.D.

= 3.1m

Water Struck (1) 14'6" B.G.L. (2)

(3)

Standing Water Level on completion 12'0" B.G.L.

Remarks All levels are related to ground level.

Description of Strata	Depth		Thickness	Samples		
	From	To		Ref No.	Type	Depth
Reinforced concrete 20 19.25	0	9"	9"			
Hardcore 19.25 17.5	9"	2'6"	1'9"			
Filling of clay, gravel etc. 17.5 5.5	2'6"	14'6"	12'0"	18104	U	5'0" - 6'6"
Compact coarse sandy gravel with cobbles 5.5 0	14'6"	20'0"	5'6"	18105	J	12'0"
				18106	D	16'0"
				18107	D	20'0"
Final level. Compact coarse sandy gravel with cobbles	20'0"					
STANDARD PENETRATION TESTS						
At 11'0" - 5 blows to 12"						
" 16'0" - 38 " " "						
" 20'6" - 52 " " "						
Report No. 563						
Box No. 27						
Investigation ID 59646, 59647 (2)						

Code: U — Undisturbed Sample D — Large Disturbed Sample J — Jar Sample W — Water Sample

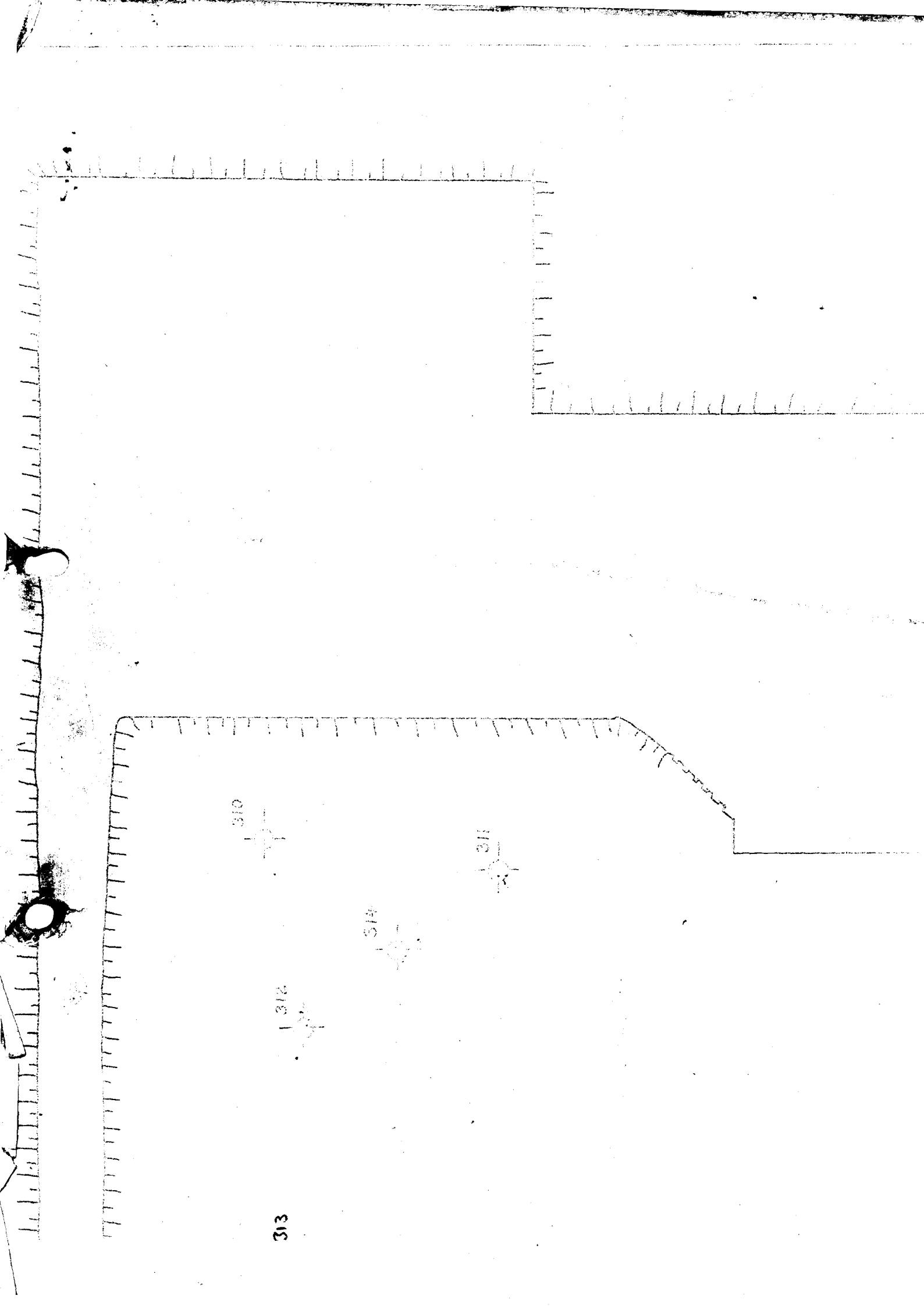
Checked by:

Date:

Driller's Signature:

Date:

This form to be returned to Head Office immediately the borehole is completed.



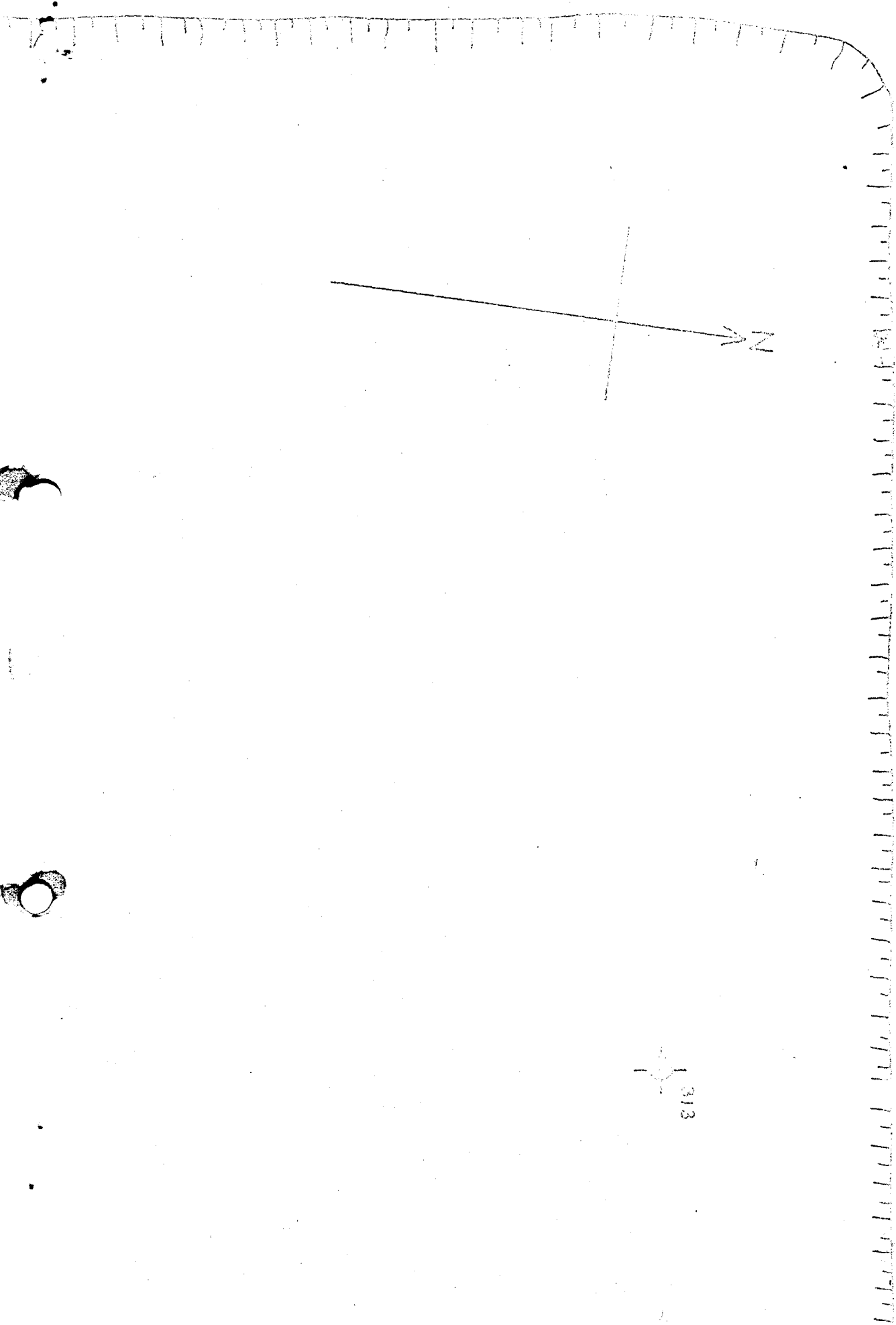
310

311

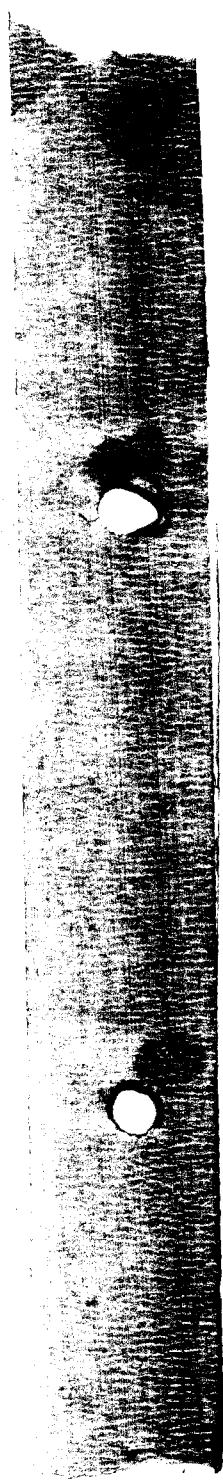
314

312

313

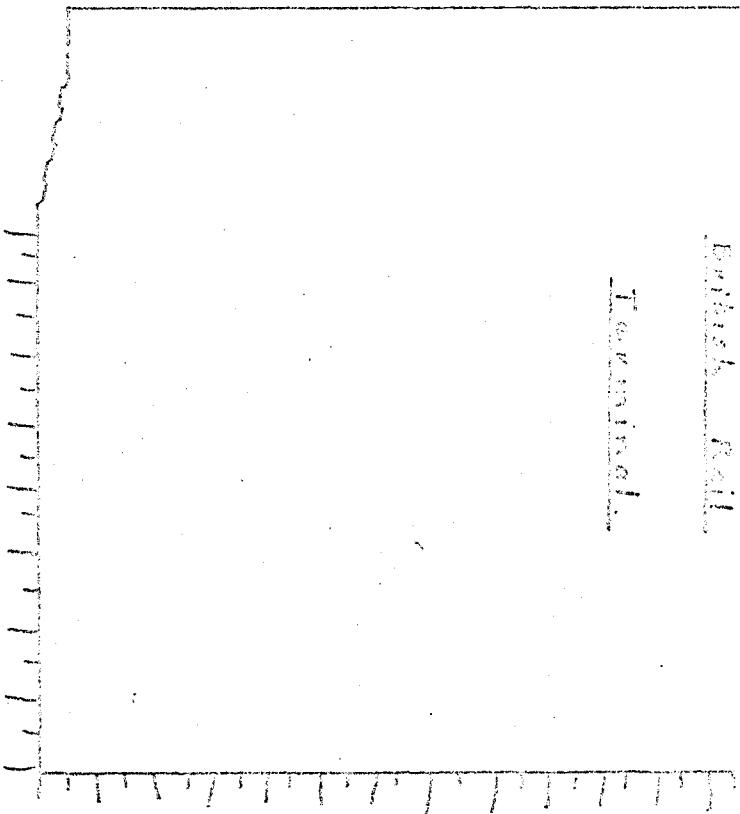


013
1-1-1



Dribish Rail

Terminal



315

NEW QUAY WALL

PD-0071.4.

SOIL INVESTIGATION

BOREHOLE No. 316

Order No.

Site Address Dublin.

Boring Commenced 23.3.71.

Boring Completed 30.3.71.

Type of Boring Shell & Auger.
Bed

Diameter of Borehole • inc.

-Ground-level -20.4 P.D. D.D.

Water Struck (1) - (2) (3)

Standing Water Level -

Remarks All levels are related to bed level.

92640

$$\begin{array}{r} 25.5 \\ 20.4 \\ \hline 45.9 \\ 4.4 \\ \hline 44.5 \end{array}$$

-44.5

626

1310 ~ 1316

92633

[illegible]

THE CEMENTATION CO. (IRELAND) LTD.

SOIL INVESTIGATION BORING RECORD

CONTRACT Low Quay Wall.

BOREHOLE No. 311.

Report No.

Order No.

Bored for Dublin Port & Docks Board.

Site Address Dublin.

Boring Commenced 8/2/71.

Boring Completed 15/2/71

Type of Boring Shell & Auger.

Diameter of Borehole 0 ins.

Chart level -0.6 P.D. M.B.

Water Struck (1) - (2)

- 66.1
1.6
66.7

Standing Water Level -

Remarks Borehole was blowing back 3' between 20' & 28' D.S.L.
All levels are related to P.D. level.

92634

Description of Strata	Depth		Thickness	Samples		
	From	To		Ref No.	Type	Depth
Soft grey organic silt.	0			19627	J	2'6"
	1.8	6'0"	6'0"	19628	J	5'0"
Medium Gravel.	6'0"					
	2.2	1'0"	1'0"	19623	J	6'0"
Medium to coarse sand with gravel.	2'0"					
	3.0	10'0"	2'0"	19619	D	8'0"
Fairly compact fine to coarse sand with some stones	10'0"			19621	D	10'0"
	6.0	20'0"	10'0"	19622	D	15'0"
Fairly compact fine to coarse sandy gravel with cobbles.	20'0"			19623	D	20'0"
	8.8	20'0"	9'0"	19624	D	25'0"
Very stiff brown silty clay with cobbles	20'0"			19625	J	25'0"
	12.4	42'0"	12'0"	19626	J	30'0"-32'6"
				19627	J	32'6"
Very stiff black silty clay with cobbles	42'0"			19628	J	35'0"-38'0"
	1.3	45'0"	4'0"	19629	J	37'6"
				19630	J	40'0"-41'6"
				19631	J	42'6"
Final level	45'0"			19632	J	44'0"
Rock or Boulder (chiselling 2 hrs)				19633	J	45'6"
Standard Penetration Tests.						
5'0" 15 blows to 12"						
10'0" 41 " " 12"						
15'0" 39 " " 12"						
20'0" 39 " " 12"						
25'0" 40 " " 12"						
30'0" 75 " " 12"						
35'0" 65 " " 3" Refusal.						

SOIL INVESTIGATION BORING RECORD

Remarks All levels are related to bed level.

[illegible]

SOIL INVESTIGATION BORING RECORD

[illegible]

SOIL INVESTIGATION BORING RECORD

7638

[illegible]

SOIL INVESTIGATION BORING RECORD

BOREHOLE No. 0315A

Order No.

May

Boring Commenced 26.2.71.

Boring Completed 1.3.72.

Type of Boring Shell & Auger

Diameter of Borehole 8 ins.

Ground level -20 O.D.

Water Struck (1) --	(2)	(3)
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Standing Water Level ---

Remarks: Benchhole was abandoned at 25' due to casing having been lost.
All levels are related to bed level.

42639

[illegible]

SOIL INVESTIGATION BORING RECORD

BOREHOLE No. 312

Report No.

Order No.

Bored for Dublin Port & Docks Board.

[illegible]

Boring Commenced 16.2.71.

Boring Completed 17.2.71.

Type of Boring Shell & Auger

Diameter of Borehole 8" ins.

Channel level -3.5 P.D. 251.

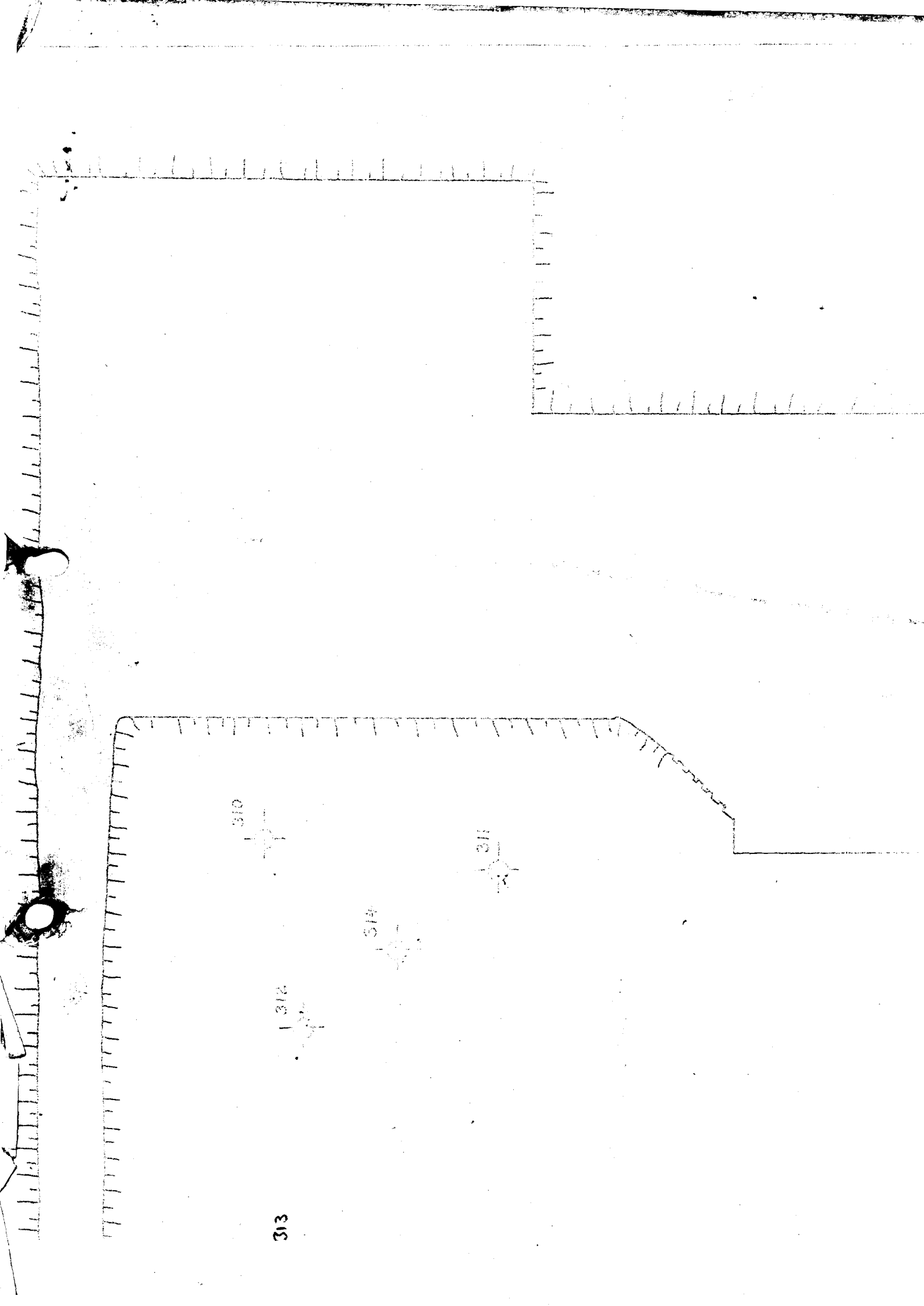
Water Struck (1) -	(2)	(3)
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Standing Water Level -

Remarks	All levels are related to bed level.
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92635

[illegible]



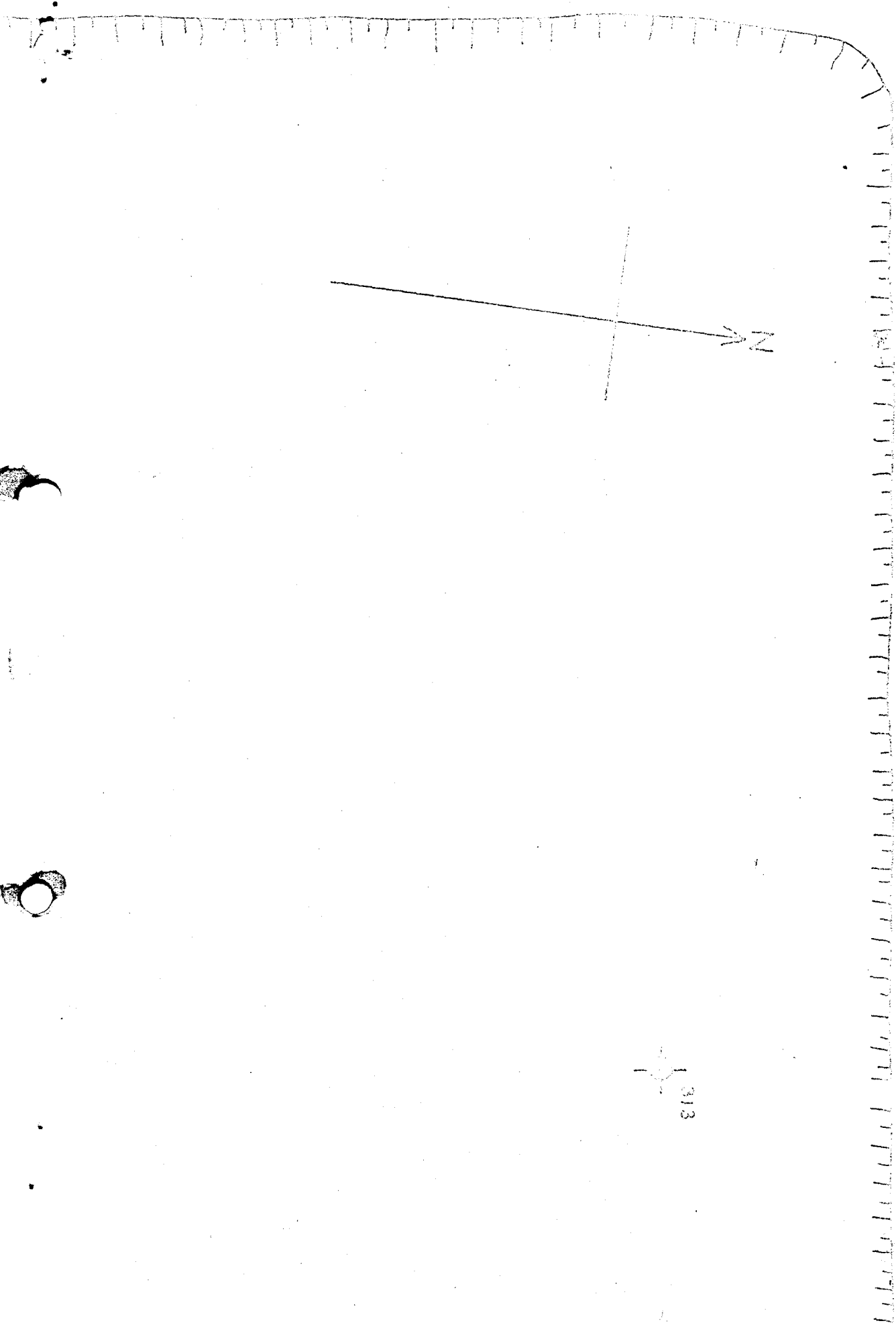
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311

314

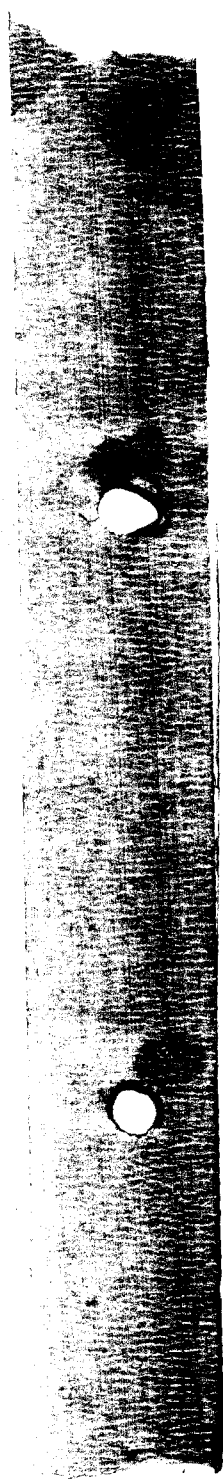
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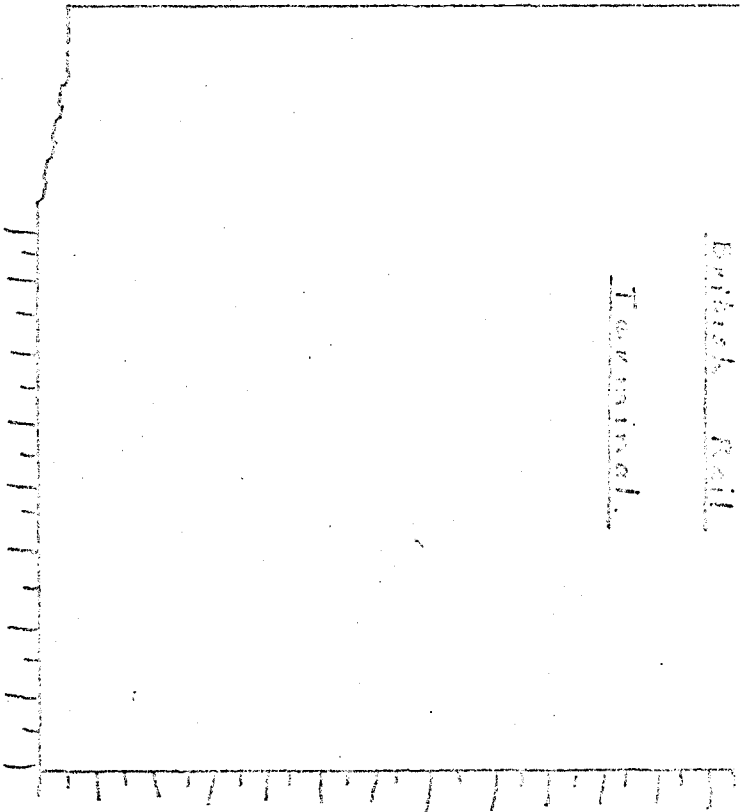
313

013
1-1-1



Dribek Rail

Terminal.



315



NEW QUAY WALL

PD-0071.4.

SOIL INVESTIGATION

BOREHOLE No. 316

Order No.

Site Address Dublin.

Boring Completed 30.3.71.

Diameter of Borehole • inc.

Water Struck (1) - (2) (3)

Standing Water Level -

Remarks All levels are related to bed level.

92640

$$\begin{array}{r} 25.5 \\ 20.4 \\ \hline 45.9 \\ 1.2 \\ \hline 44.7 \end{array}$$

- 44 -

626

1310 ~ 1316

92633

[illegible]

THE CEMENTATION CO. (IRELAND) LTD.

SOIL INVESTIGATION BORING RECORD

CONTRACT Low Quay Wall.

BOREHOLE No. 311.

Report No.

Order No.

Bored for Dublin Port & Docks Board.

Site Address Dublin.

Boring Commenced 8/2/71.

Boring Completed 15/2/71

Type of Boring Shell & Auger.

Diameter of Borehole 0 ins.

Chart level -0.6 P.D. M.B.

Water Struck (1) - (2)

- 66.1
1.6
66.7

Standing Water Level -

Remarks Borehole was blowing back 3' between 20' & 28' D.S.L.
All levels are related to P.D. level.

92634

Description of Strata	Depth		Thickness	Samples		
	From	To		Ref No.	Type	Depth
Soft grey organic silt.	0			19627	J	2'6"
	1.8	6'0"	6'0"	19628	J	5'0"
Medium Gravel.	6'0"					
	2.2	1'0"	1'0"	19623	J	6'0"
Medium to coarse sand with gravel.	2'0"					
	3.0	10'0"	2'0"	19619	D	8'0"
Fairly compact fine to coarse sand with some stones	10'0"			19621	D	10'0"
	6.0	20'0"	10'0"	19622	D	15'0"
Fairly compact fine to coarse sandy gravel with cobbles.	20'0"			19623	D	20'0"
	8.8	20'0"	9'0"	19624	D	25'0"
Very stiff brown silty clay with cobbles	20'0"			19625	J	25'0"
	12.4	42'0"	12'0"	19626	J	30'0"-32'6"
				19627	J	32'6"
Very stiff black silty clay with cobbles	42'0"			19628	J	35'0"-37'6"
	1.3	45'0"	4'0"	19629	J	40'0"-41'6"
				19630	J	42'0"
Final level	45'0"			19631	J	43'0"
Rock or Boulder (chiselling 2 h)				19632	J	45'6"
Standard Penetration Tests.						
5'0" 15 blows to 12"						
10'0" 41 " " 12"						
15'0" 39 " " 12"						
10'0" 39 " " 12"						
5'0" 40 " " 12"						
10'0" 75 " " 12"						
10'0" 65 " " 3" Refusal.						

SOIL INVESTIGATION BORING RECORD

Remarks All levels are related to bed level.

[illegible]

SOIL INVESTIGATION BORING RECORD

[illegible]

SOIL INVESTIGATION BORING RECORD

Description of Strata	Depth		Thickness	Samples		
	From	To		Ref No.	Type	Depth
Soft grey organic silt	0					
Fairly compact med. to coarse gravel with cobbles	1.2	4.0'	4.0'	19644	J	2.0'
Fairly compact medium to coarse sand with some coarse gravel.	2.2	5.0'	5.0'	19645	J	5.0'
Fairly compact fine to coarse sand & gravel.	4.5	6.0'	6.0'	19646	S	6.0'
Fairly compact fine to coarse sand & gravel.	6.4	21.0'	6.0'	19647	J	10.0'
Fairly compact fine to coarse sandy gravel with cobbles.	7.3	24.0'	3.0'	19648	D	12.0'
Final level.	24.0'			19649	J	25.0'
High to coarse sandy gravel with cobbles.				19650	D	10.0'
Standard Penetration Tests:						
At 5.0' 21 blows to 12"						
" 10.0' 44 " " 12"						
" 15.0' 44 " " 12"						
" 20.0' 31 " " 12"						

SOIL INVESTIGATION BORING RECORD

[illegible]

SOIL INVESTIGATION BORING RECORD

BOREHOLE No. 312

Report No.

Order No.

Bored for Dublin Port & Dock Board.

Site Address Dublin.

Boring Commenced 16.2.71.

Boring Completed 17.2.71.

Type of Boring Shell & Auger

Diameter of Borehole 8 ins.

CRACK level -3.5 P.D. QM.

Water Struck (1) -	(2)	(3)
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Standing Water Level -

Remarks	All levels are related to bed level.
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92635

[illegible]