

Trial levels between Samson St & Chapple St.

Mr Russell.

A line of trial levels run between south side of Samson St and Chapple (at Miss Marshall's gate) shows that two points are practically ~~low~~ on the level.

It would be possible to construct a 6" dia (or larger) sewer along the unformed road running through Campbell's orchard and past the front of Carlins' house to Chapple St. The distance from Samson St to Chapple St is 17 chains or 1120', which entails a fall of 4.50' if the sewer is laid on the minimum grade of 1 in 250.

Assuming an initial depth (to invert) of 3' at Samson St, following would be the cuts at various points along the line.

| | |
|------------------------------------|------|
| Samson St. | 3' |
| Railway line (below rail level) | 6.6' |
| Access road to Mr Gordon's | 8.1' |
| Near Carlins | 7.0' |
| At Chapple St | 7.5' |

There is ample fall down Chapple St. to permit of an extension in the main sewer in Lambert St. The depth of cut allowed for at Samson St should be more than sufficient to permit of connections to the various houses in that locality.

If a 9" sewer on a grade of 1 in 250 were installed the depth of cut at Chapple St would be approximately 6'.

J. D. Watt.

BOROUGH OF ALEXANDRA

DRAINAGE BLOCK PLAN

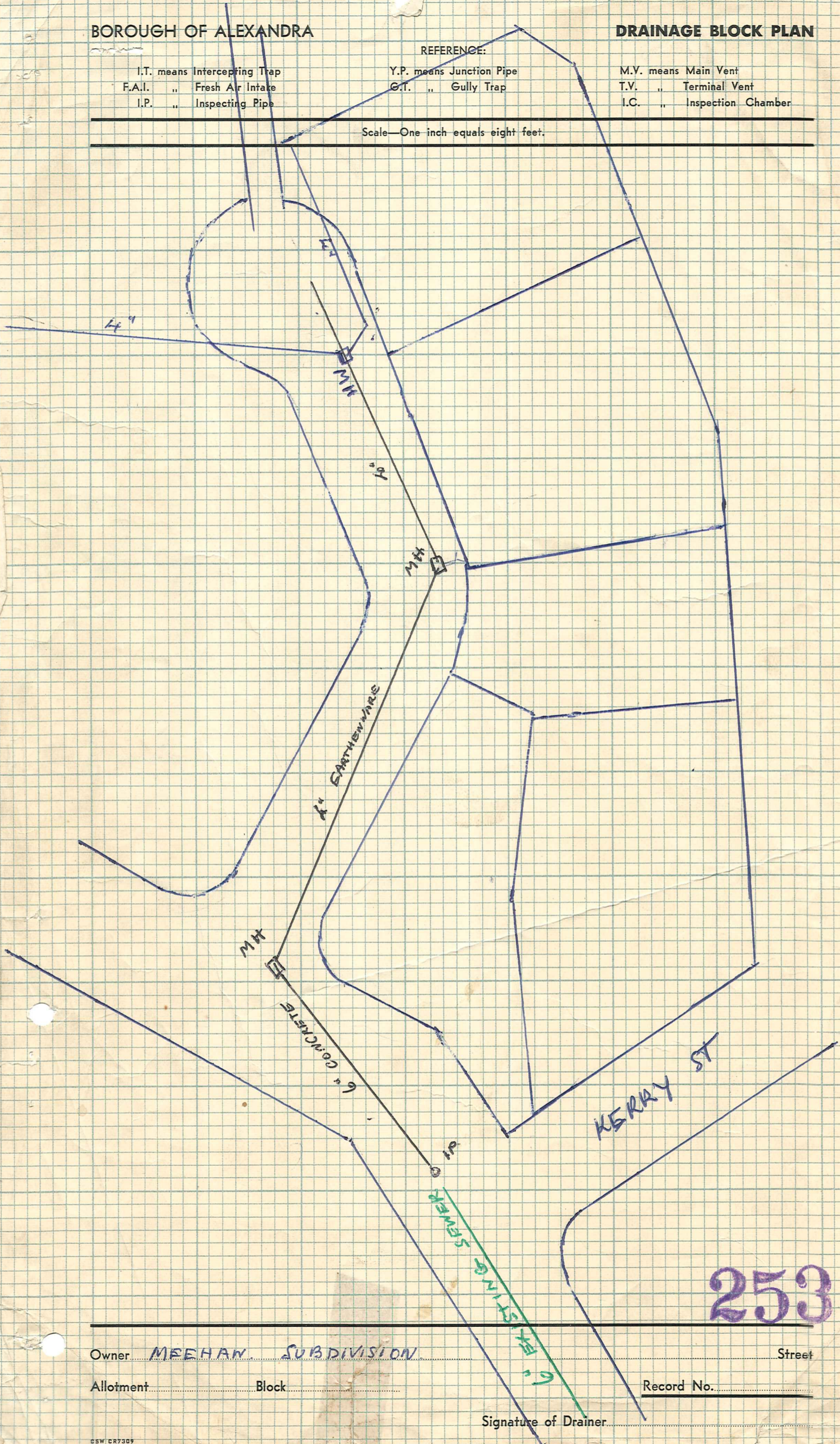
REFERENCE:

I.T. means Intercepting Trap
F.A.I. " Fresh Air Intake
I.P. " Inspecting Pipe

Y.P. means Junction Pipe
G.T. " Gully Trap

M.V. means Main Vent
T.V. " Terminal Vent
I.C. " Inspection Chamber

Scale—One inch equals eight feet.



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Owner MEEHAN SUBDIVISION

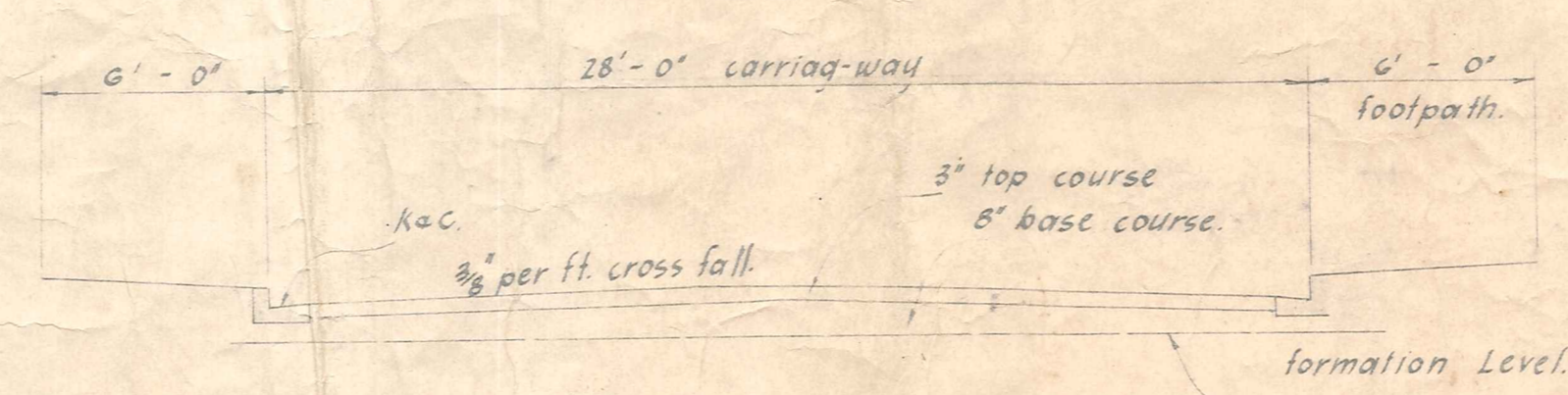
Street

Allotment Block

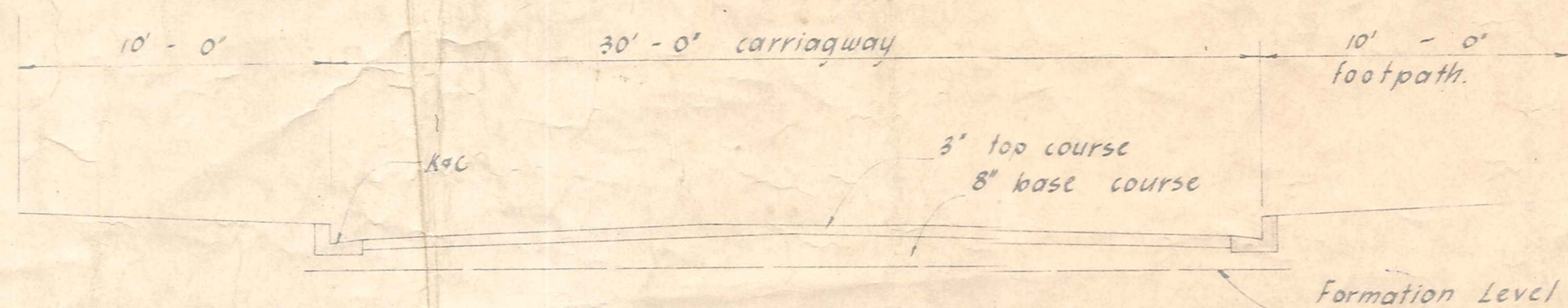
Record No.

Signature of Drainer

80
12 1640
5



TYPICAL SEC. 40 FT ROADWAY



TYPICAL SEC. 50 FT ROADWAY

| |
|------|
| 4 51 |
| 3 54 |
| 3 04 |
| 2 54 |
| 2 00 |
| 1 00 |
| 7 03 |
| 6 23 |
| 5 23 |
| 4 23 |
| 3 23 |
| 2 73 |
| 1 73 |

Levels in relation to hydro Datum 552 Jarbert St. 465.01'

H.A.D. 470'

| | | | | | |
|------|--------|--------|--------|--------|--------|
| 1.73 | 484.63 | 484.53 | 484.20 | 485.54 | 480.70 |
| 2.04 | | | | | |
| 2.73 | 485.45 | 484.24 | 483.52 | 483.80 | 479.92 |
| 3.23 | 483.24 | 483.76 | 483.18 | 482.52 | 479.86 |
| | | | | | |
| 4.23 | 482.69 | 483.12 | 482.11 | 481.45 | 476.24 |
| 5.23 | 480.64 | 481.15 | 480.25 | 480.69 | 477.12 |
| | | | | | |
| 6.23 | 478.43 | 478.97 | 478.00 | 477.94 | 476.86 |
| 7.30 | 476.42 | 476.42 | 476.23 | 475.94 | |

6" S Sewer 1 in 59

2 ch. Vert. Curve

Fall 1/8" per ft.

Fall 2.25"/ft.

LONG. SECTION A.

| | |
|------|--------|
| 0.00 | 480.64 |
| 1.00 | 482.54 |
| 2.00 | 484.49 |
| 2.54 | 484.82 |
| 3.04 | 485.79 |
| 3.54 | 486.10 |
| 4.51 | 484.40 |

LONG. SECTION B.

Scales: Vertical: 4 feet to 1 inch.
Horizontal: 1 chain to 1 inch.

CROSS SECTIONS
Scale: 10 feet to 1 inch.