

*And Whereas*, No agreement can be made or come to with the owners of the land or rights required for the purpose aforesaid ;

*And Whereas*, Notice containing the description of the land or rights required for said purpose and a notice of the intention of the City Council to expropriate said land after the expiration of the time required by law for publishing said notice were duly published for ten days in two newspapers published in the City of Halifax ;

*Therefore Resolved*, That the said land be and the same is expropriated for the purpose aforesaid, which said land is described as follows :—

PROPERTY OWNED BY THE HALIFAX RIFLES ARMOURY ASSOCIATION,  
MARKED ON THE PLAN AS BELONGING TO MATILDA DOWNS.

All that lot of land marked on the plan hereinafter mentioned as belonging to Matilda Downs, now owned by the Halifax Rifles Armoury Association, situate on the east side of Agricola Street, at the north-east corner of Agricola Street and Cunard Street, more particularly described as follows :—Beginning at a point formed by the intersection of the east side line of Agricola Street with the north side line of Cunard Street, thence to run in a northerly direction by the said east side line of Agricola Street for a distance of 60 feet, more or less, or until it comes to the north boundary of said lot, thence in an easterly direction by the said northern boundary line for a distance of 20 feet 6 inches, more or less, or until it comes to the proposed new east side line of Agricola Street, thence in a southerly direction by the said new east side line of Agricola Street for a distance of 73 feet, more or less, or until it comes to the north side line of Cunard Street, thence in a westerly direction by the said north side line of Cunard Street for a distance of 24 feet, more or less, or until it comes to the place of beginning. The said lot being all that portion of the property belonging to the Halifax Rifles Armoury Association, and lying between the present east side line of Agricola Street and the proposed new east side line of Agricola Street, as shewn by a dotted red line on a plan entitled "Plan of Agricola Street showing proposed widening," signed by F. W. W. Doane, City Engineer, and filed in the City Engineer's Office at Halifax, as Plan No. 1448.

NOS. 5 AND 7 AGRICOLA STREET, OWNED BY MICHAEL O'BRIEN.

All that lot of land belonging to Michael O'Brien, situate on the

east side of Agricola Street, in the City of Halifax, more particularly described as follows:—Beginning at a point on the said east side line of Agricola Street distant 60 feet, more or less, from the north line of Cunard Street, the said point being the south-west corner of the property of the said Michael O'Brien, thence to run in a northerly direction for a distance of 80 feet, more or less, or until it comes to the southern boundary line of property formerly owned by Emma Warner, thence easterly by the said southern boundary line for a distance of 20 feet 6 inches, more or less, or until it comes to the proposed new east side line of Agricola Street, thence in a southerly direction by the said new east side line of Agricola Street for a distance of 81 feet, more or less, or until it meets the southern boundary of the property belonging to the said Michael O'Brien, thence in a westerly direction for a distance of 20 feet 6 inches, more or less, to the place of beginning. The above described lot being all that portion of lots, numbers 5 and 7 Agricola Street, belonging to the said Michael O'Brien and lying between the existing east side line of Agricola Street, and the proposed new east side line of Agricola Street, as shewn by a dotted red line on plan entitled "Plan of Agricola Street showing proposed widening," signed by F. W. W. Doane, City Engineer, and filed in the City Engineer's Office at Halifax as Plan No. 1448.

No. 15 AGRICOLA STREET, OWNED BY JAMES F. MEEHAN.

All that lot of land belonging to James F. Meehan, situate on the north-east corner of Woodill Street and Agricola Street, more particularly described as follows:—Beginning at a point formed by the intersection of the east side line of Agricola Street with the north side line of Woodill Street, thence in a northerly direction for a distance of 30 feet, more or less, or until it comes to the northern boundary of the said Meehan's lot, thence in an easterly direction for a distance of 21 feet 6 inches, more or less, or until it meets the proposed new east side line of Agricola Street, thence in a southerly direction by the said new east side line of Agricola Street for a distance of 30 feet, more or less, or until it meets the north side line of Woodill Street, thence in a westerly direction for a distance of 21 feet 6 inches, more or less, to the place of beginning. The said lot being all that portion of property No. 15 Agricola Street, owned by James F. Meehan, lying between the existing east side line of Agricola Street and the proposed new east side line of Agricola Street, as shewn by a dotted red line on a plan entitled "Plan of Agricola Street showing proposed widening," signed by

F. W. W. Doane, City Engineer, and filed in the City Engineer's Office at Halifax as Plan No. 1448.

NO. 21 AGRICOLA STREET, OWNED BY FRANCIS MACNEIL.

All that lot of land belonging to Francis MacNeil, situate on the east side of Agricola Street, more particularly described as follows:—Beginning at a point on the east side line of Agricola Street distant 77 feet, more or less, from the north side line of Woodill Street, thence to run northerly for a distance of 19 feet 6 inches, more or less, or until it meets the northern boundary of the said MacNeil's property, thence in an easterly direction by the said northern boundary line for a distance of 22 feet, more or less, or until it meets the proposed new east side line of Agricola Street, thence in a southerly direction by the said new east side line of Agricola Street for a distance of 19 feet 6 inches, more or less, or until it meets the southern boundary line of the said MacNeil's property, thence in a westerly direction by the said southern boundary for a distance of 22 feet, more or less, to the place of beginning. The said lot being all that portion of No. 21 Agricola Street owned by Francis MacNeil lying between the existing east side line of Agricola Street and the proposed new east side line of Agricola Street, as shewn by a dotted red line on a plan entitled "Plan of Agricola Street showing proposed widening," signed by F. W. W. Doane, City Engineer, and filed in the City Engineer's Office at Halifax as Plan No. 1448.

NO. 23 AGRICOLA STREET, OWNED BY HEIRS OF MRS. SHANKS.

All that lot of land belonging to the heirs of Mrs. Shanks, situate on the east side of Agricola Street, in the City of Halifax, more particularly described as follows:—Beginning at a point on the east side line of Agricola Street distant 96 feet 6 inches, more or less, from the north line of Woodill Street, thence to run in a northerly direction for a distance of 21 feet, more or less, to the north boundary line of the said Shanks' property, thence easterly for a distance of 22 feet 6 inches, more or less, or until it meets the proposed new east side line of Agricola Street, thence southerly by the said new east side line of Agricola Street for a distance of 20 feet 6 inches, more or less, or until it meets the southern boundary line of the said Shanks' property, thence westerly by the said southern boundary for a distance of 22 feet, more or less, to the place of beginning. The said lot being all that portion of lot No. 23 Agricola Street owned by the heirs of Mrs. Shanks, lying between the existing east

side line of Agricola Street and the proposed new east side line of Agricola Street, as shewn by a dotted red line on a plan entitled "Plan of Agricola Street showing proposed widening," signed by F. W. W. Doane, City Engineer, and filed in the City Engineer's Office at Halifax as Plan No. 1448.

NO. 25 AGRICOLA STREET, OWNED BY P. L. PURCELL.

All that lot of land belonging to P. L. Purcell situate on the east side of Agricola Street, in the City of Halifax, more particularly described as follows:—Beginning at a point on the east side line of Agricola Street distant 117 feet, more or less, from the north line of Woodill Street, thence to run northerly for a distance of 20 feet, more or less, or to the north boundary of property of the said Purcell, thence in an easterly direction by the said north boundary for a distance of 22 feet 6 inches, more or less, or until it comes to the proposed new east side line of Agricola Street, thence in a southerly direction by the said new east side line for a distance of 20 feet, more or less, or until it comes to the southern boundary of the said Purcell's property, thence in a westerly direction by the said southern boundary for a distance of 22 feet 6 inches, more or less, to the place of beginning. The said lot being all that portion of lot No. 25 Agricola Street owned by P. L. Purcell and lying between the existing east side line of Agricola Street and the proposed new east side line of Agricola Street as shewn by a dotted red line on a plan entitled "Plan of Agricola Street showing proposed widening," signed by F. W. W. Doane, City Engineer, and filed in the City Engineer's Office at Halifax as Plan No. 1448.

NO. 27 AGRICOLA STREET, OWNED BY JOHN NICKERSON.

All that lot of land belonging to John Nickerson, situate on the east side of Agricola Street, in the City of Halifax, more particularly described as follows:—Beginning at a point on the east side line of Agricola Street distant 138 feet, more or less, from the north boundary of Woodill Street, thence in a northerly direction by the said east side line of Agricola Street for a distance of 17 feet 9 inches, more or less, or until it comes to the north boundary of the said Nickerson's property, thence in an easterly direction by the said north boundary for a distance of 22 feet 6 inches, more or less, or until it meets the proposed new east side line of Agricola Street, thence in a southerly direction by the said new east side line of Agricola Street for a distance of 17 feet 6 inches, more or less, or to the south boundary of said Nickerson's property, thence in a westerly

direction by the said south boundary for a distance of 22 feet 6 inches, more or less, to the place of beginning. The said lot being all that portion of lot No. 27 Agricola Street owned by John Nickerson and lying between the existing east side line of Agricola Street and the proposed new east side line of Agricola Street, as shewn by a dotted red line on a plan entitled "Plan of Agricola Street showing proposed widening," signed by F. W. W. Doane, City Engineer, and filed in the City Engineer's office at Halifax as Plan No. 1448.

NO. 29 AGRICOLA STREET, OWNED BY E. J. PHELAN.

All that lot of land belonging to E. J. Phelan situate on the east side of Agricola Street in the City of Halifax more particularly described as follows:—Beginning at a point on the east side line of Agricola Street distant 155 feet, more or less, from the north boundary of Woodill Street, thence to run northerly along the said east side line of Agricola Street for a distance of 21 feet 6 inches, more or less, or until it meets the northern boundary of the said Phelan's property, thence in an easterly direction by the said northern boundary for a distance of 22 feet 6 inches, more or less, or until it meets the proposed new east side line of Agricola Street, thence in a southerly direction by the said new east side line of Agricola Street for a distance of 21 feet 6 inches, more or less, or until it meets the southern boundary of the said Phelan's property, thence in a westerly direction by the said southern boundary for a distance of 22 feet 6 inches, more or less, to the place of beginning. The said lot being all that portion of lot No. 29 Agricola Street owned by E. J. Phelan and lying between the existing east side line of Agricola Street and the proposed new east side line of Agricola Street, as shown by a dotted red line on a plan entitled "Plan of Agricola Street showing proposed widening," signed by F. W. W. Doane, City Engineer, and filed in the City Engineer's Office at Halifax as Plan No. 1448.

NO. 33 AGRICOLA STREET, OWNED BY WARREN GRAY.

All that lot of land belonging to Warren Gray situate on the north east corner of Harris Street and Agricola Street in the City of Halifax, more particularly described as follows:—Beginning at a point formed by the intersection of the east side line of Agricola Street with the north side line of Harris Street, thence northerly by the east side line of Agricola Street for a distance of 20 feet 6 inches, more or less, or to the north boundary of the said Gray's lot,

thence easterly by the said north boundary for a distance of 21 feet, more or less, or until it meets the proposed new east side line of Agricola Street, thence southerly by the said new east side line of Agricola Street for a distance of 20 feet 6 inches, more or less, or until it meets the north boundary of Harris Street, thence in a westerly direction by the said north boundary for a distance of 21 feet, more or less, to the place of beginning. The said lot being all that portion of lot No. 33 Agricola Street owned by Warren Gray and lying between the existing east side line of Agricola Street and the proposed new east side line of Agricola Street, as shown by a dotted red line on a plan entitled "Plan of Agricola Street showing proposed widening," signed by F. W. W. Doane, City Engineer, and filed in the City Engineer's Office at Halifax as Plan No. 1448.

NOS. 39 AND 39½ AGRICOLA STREET, OWNED BY MRS. EMMA HUBLEY  
AND BENJAMIN HUBLEY.

All that lot of land belonging to Mrs. Emma Hubley and Benjamin Hubley situate on the east side of Agricola Street in the City of Halifax, more particularly described as follows:—Beginning at a point on the east side line of Agricola Street distant 60 feet, more or less, from the north boundary line of Harris Street, thence in a northerly direction by the said east side line of Agricola Street for a distance of 40 feet, more or less, or until it comes to the north boundary of the said Hubley property, thence in an easterly direction by the said north boundary for a distance of 21 feet, more or less, until it comes to the proposed new east side line of Agricola Street for a distance of 40 feet, more or less, or until it comes to the south boundary of the said Hubley's property, thence in a westerly direction by the said south boundary for a distance of 21 feet, more or less, to the place of beginning. The said lot being all that portion of lot No. 39 and 39½ Agricola Street, owned by Mrs. Emma Hubley and Benjamin Hubley and lying between the existing east side line of Agricola Street and the proposed new east side line of Agricola Street, as shown by a dotted red line on a plan entitled "Plan of Agricola Street showing proposed widening," signed by F. W. W. Doane, City Engineer, and filed in the City Engineer's Office at Halifax, as Plan No. 1448.

NO. 41 AGRICOLA STREET, OWNED BY MICHAEL O'BRIEN.

All that lot of land belonging to Michael O'Brien, situate on the east side of Agricola Street, in the City of Halifax, more particu-

larly described as follows:—Beginning at a point on the east side line of Agricola Street, distant 101 feet, more or less, from the north line of Harris Street, thence northerly by the east side line of Agricola Street for a distance of 32 feet 6 inches, more or less, or until it meets the north boundary of the said O'Brien's property, thence in an easterly direction by the said north boundary for a distance of 21 feet, more or less, or until it meets the proposed new east side line of Agricola Street, thence southerly by the said new east side line of Agricola Street for a distance of 32 feet 6 inches, more or less, or until it meets the southern boundary of the said O'Brien's property, thence westerly by the said southern boundary for a distance of 21 feet, more or less, to the place of beginning. The said lot being all that portion of lot No. 41 Agricola Street, owned by Michael O'Brien, and lying between the existing east side line of Agricola Street and the proposed new east side line of Agricola Street, as shewn by a dotted red line on a plan entitled "Plan of Agricola Street showing proposed widening," signed by F. W. W. Doane, City Engineer, and filed in the City Engineer's Office at Halifax, as Plan No. 1448.

NOS. 43, 45 AND 47 AGRICOLA STREET, OWNED BY JAMES BROOKS.

All that lot of land belonging to James Brooks, situate on the south-east corner of West Street and Agricola Street, in the City of Halifax, more particularly described as follows:—Beginning at a point formed by the intersection of the south line of West Street with the east line of Agricola Street, thence southerly by the said east side line of Agricola Street for a distance of 42 feet, more or less, or until it meets the south boundary of the said Brooks' property, thence easterly by the said south boundary for a distance of 21 feet, more or less, or until it meets the proposed new east side line of Agricola Street, thence northerly by the said new east side line of Agricola Street for a distance of 41 feet, more or less, or until it meets the south line of West Street, thence westerly by the said south line of West Street for a distance of 20 feet, more or less, to the place of beginning. The said lot being all that portion of lot Nos. 43, 45 and 47 Agricola Street and lying between the existing east side line of Agricola Street and the proposed new east side line of Agricola Street, as shewn by a dotted red line on a plan entitled "Plan of Agricola Street showing proposed widening," signed by F. W. W. Doane, City Engineer, and filed in the City Engineer's Office at Halifax, as Plan Number 1448.

*Be it further resolved,* That the City Clerk is hereby authorized

to pay into the Supreme Court at Halifax the sum of twelve hundred (\$1200.00) dollars for the land above described said to belong to the Halifax Rifles Armoury Association; the sum of twelve hundred and ninety (\$1290.00) dollars for the land above described (Number 5 Agricola Street) said to belong to Michael O'Brien; the sum of twelve hundred and fifty (\$1250.00) dollars for the land above described (Number 7 Agricola Street) said to belong to Michael O'Brien; the sum of one thousand and eighty (\$1080.00) dollars for the land above described said to belong to James F. Meehan; the sum of six hundred and twenty-four (\$624.00) dollars for the land above described said to belong to Francis McNeil; the sum of eight hundred and thirty-four (\$834.00) dollars for the land above described said to belong to John Nickerson; the sum of seven hundred and fifty (\$750.00) dollars for the land above described said to belong to E. J. Phelan; the sum of one thousand and sixty (\$1060) dollars for the land above described said to belong to Warren Gray; the sum of one thousand three hundred and fifty (\$1350.00) dollars for the land above described said to belong to Mrs. Emma Hubley and Benjamin Hubley; the sum of five hundred and forty (\$540.00) dollars for the land above described said to belong to Michael O'Brien (Number 41 Agricola Street), and the sum of two thousand nine hundred (\$2,900.00) dollars for the land above described said to belong to James Brooks; the said respective sums being in the judgment of this Council a reasonable value of said respective lands, and that the City Clerk notify said owners of said payment, and that if said payment is not in the opinion of the respective owners sufficient for the value of the said respective lands that they are to be at liberty to have the value ascertained by award and require them in such case to name an arbitrator within one month from the date of the service of said notice on them.

*Be it further resolved,* That the City Clerk is hereby authorized to pay to the heirs of Mrs. Shanks the sum of seven hundred and fifty (\$750.00) dollars and to P. L. Purcell the sum of seven hundred and fifty (\$750.00) dollars for the land above described said to belong to them on the delivery by them of a title satisfactory to His Honor the Recorder.

(Extract from Minutes of City Council, 10th November, 1905.)

HALIFAX, N. S., October 31st, 1905.

To His Worship the Mayor and City Council:

GENTLEMEN,—The arbitrators appointed to determine the land damages in the



widening of Agricola Street have completed their duty and filed their award as required by Law. I beg to report the result, as follows:—

	PROPERTY OWNER	Amount paid into court.	Total amount awarded.	Amount of increase.
	R. G. Reid, Sect'y Armoury Association	\$1200 00	\$1854 00	\$654 00
No 3 - 5	Michael O'Brien	1290 00	1610 00	320 00
7.	Michael O'Brien	1250 00	1637 00	387 00
9 -11½	Mrs. Emma Warner (Eastern Trust Co., Trustees)	1700 00	1700 00	.....
15.	James F. Meehan	1080 00	1380 00	300 00
17.	Simon Meadon	890 00	890 00	.....
19.	Simon Meadon	624 00	624 00	.....
21.	Francis MacNeil	624 00	805 00	181 00
23.	Heirs of Mrs. Shanks	750 00	750 00	.....
25.	P. L. Purcell	750 00	750 00	.....
27.	John Nickerson	834 00	1113 00	279 00
29.	E. J. Phelan	750 00	1000 00	250 00
29½-31.	Warren Gray	1000 00	1000 00	.....
33.	Warren Gray	1060 00	1375 00	315 00
35 -37.	Devises of Bishop Binney	1400 00	1400 00	.....
39 -39½.	Mrs. Emma Hubley & Benjamin Hubley	1350 00	1940 00	590 00
41.	Michael O'Brien	540 00	540 00	.....
43 -47.	James Brooks	2900 00	3461 00	561 00
		\$19992 00	\$23829 00	\$3837 00

L. E. NICKERSON, *Arbitrator for City.*

The following resolution is submitted:

*Resolved,* That the City Clerk be and is hereby authorized to pay into the Supreme Court at Halifax the additional sum of—

\$654 00	for the land said to belong to	The Halifax Armoury Rifles Association.
320 00	“	Michael O'Brien, Nos. 3 and 5 Agricola St
387 00	“	Michael O'Brien, No. 7 Agricola St.
300 00	“	James F. Meehan.
181 00	“	Francis McNeil.
279 00	“	John Nickerson.
250 00	“	Edward J. Phelan.
315 00	“	Warren Gray, No. 33 Agricola St.
590 00	“	Mrs. Emma Hubley and Benjamin Hubley.
561 00	“	James Brooks.

and that the City Clerk notify said owners of such payment.

In addition to the properties acquired for the widening of Agricola Street by the above expropriation the following were deeded to the City.—

No. 9-13 Agricola Street, owned by the Eastern Trust Company, Trustees of Emma Hill.

The description in the deed is as follows:—

All that certain lot of land situated on the east side of Agricola Street in the City of Halifax and more particularly described as follows:—Beginning at a point formed by the intersection of the east side line of Agricola Street with the south side line of Woodill Street; thence running southerly by the said east side line of Agricola Street fifty-four feet, more or less, or until it meets the northern boundary line of property now or formerly owned by Michael O'Brien; thence easterly by the said northern boundary line twenty feet six inches more or less or until it comes to the proposed new street line of Agricola Street, as shewn by the dotted red line on the plan hereinafter described; thence northerly by the said new street line fifty-three and a half feet more or less or until it meets the south side line of Woodill Street; thence westerly by the line of Woodill Street twenty-one feet more or less to the place of beginning. The said lot of land above described being all that portion of the lot marked Emma Warner lying between the existing east side line of Agricola Street and the proposed new east side line, as shewn by a dotted red line on a plan entitled "Plan of Agricola Street shewing proposed widening," signed by F. W. W. Doane, City Engineer, dated March 1st, 1901, and filed in the City Engineer's Office at Halifax, N. S., on the 16th January 1902, as Plan Number fourteen hundred and forty-eight.

The consideration paid for the above lot was \$1700. The deed is dated 20th September, 1905, and recorded in the Registry of Deeds Office in Book 369 pages 617 to 619 and filed in the City Engineer's Office as Plan Number 805.

No. 17 Agricola Street, owned by Simon Meadon.

The description in the deed is as follows:—

All that lot of land situate on the east side of Agricola Street in the City and County of Halifax, more particularly described as follows:—Beginning at a point on the east line of Agricola Street distant thirty feet more or less northerly from the north line of Woodill Street; thence easterly by the south line of property Number 17 Agricola Street twenty-one feet six inches more or less or until it meets the new east side line of Agricola Street; thence northerly by the said new east side line for a distance of thirty feet more or less or until it meets the north boundary of said property Number seventeen Agricola Street; thence westerly by the said north boundary line twenty-one feet six inches more or less or to the existing east side of Agricola Street; thence southerly by

the said existing east line of Agricola Street thirty feet more or less to the place of beginning. The above described lot being all that portion of Lot Number seventeen lying between the existing east line of Agricola Street and the proposed new east line, as shewn by a dotted red line on a plan entitled "Plan of Agricola Street shewing proposed widening," signed by F. W. W. Doane, City Engineer, dated March 1st, 1901, and filed in the City Engineer's Office at Halifax, N. S., on the 16th January, 1902, as plan Number fourteen hundred and forty-eight.

The consideration paid for the above lot was \$890. The deed is dated 28th September, 1905, and recorded in the Registry of Deeds Office, in Book 373, pages 188 and 189, and filed in the City Engineer's Office as plan Number 804.

No. 19 Agricola Street, owned by Simon Meadon.

The description in the deed is as follows:

All that lot of land situate on the east side of Agricola Street in the City and County of Halifax, the said lot being more particularly described as follows:—Beginning at a point on the existing east line of Agricola Street distant sixty feet north from the north line of Woodill Street; thence easterly by the south boundary of property Number nineteen Agricola Street twenty-one feet six inches more or less or until it comes to the proposed new east line of Agricola Street; thence northerly by the said new east line sixteen feet six inches more or less or until it comes to the northern boundary of said property Number nineteen Agricola Street, thence westerly by the said Northern boundary twenty-two feet more or less or until it comes to the existing east line of Agricola Street; thence south by the said existing east line of Agricola Street to the place of beginning. The above described lot being all that portion of property Number nineteen Agricola Street lying between the existing east line of Agricola Street and the proposed new east line as shewn by a dotted red line on a plan entitled "Plan of Agricola Street shewing proposed Widening," signed by F. W. W. Doane, City Engineer, and filed in the City Engineer's Office at Halifax, N. S., as Plan Number fourteen hundred and forty-eight.

The consideration paid for the above lot was \$624. The deed is dated 28th October, 1905, and recorded in the Registry of Deeds Office in Book 383, pages 293 to 296 and filed in the City Engineer's Office as Plan Number 824.

Number 25 Agricola Street, owned by Peter L. Purcell.

The description in the deed is as follows:—

All that lot of land on the east side of Agricola Street at Number 25 bounded and described as follows:—Beginning at a point on the existing east line of Agricola Street distant one hundred and seventeen and a half feet northerly from the North line of Woodill Street; thence to run in an easterly direction twenty-two feet six inches to the new east line of Agricola Street, thence northerly by the said new east line of Agricola Street for a distance of twenty feet more or less, thence westerly for a distance of twenty-two feet six inches more or less to the existing east side line of Agricola Street, thence southerly by the said existing line of Agricola Street to the place of beginning. The above described lot being all that portion of the lot belonging to Peter L. Purcell on the east side of Agricola Street lying between the existing east line of Agricola Street, and the proposed new east line of Agricola Street as shewn by a dotted red line on a plan entitled, "Plan of Agricola Street shewing proposed widening," signed by F. W. W. Doane, City Engineer, and filed in the City Engineer's Office at Halifax, as Plan Number one thousand four hundred and forty-eight.

The consideration paid for the above lot was \$750. The deed is dated 9th September, 1905, and recorded in the Registry of Deeds Office in Book 369, pages 616 and 617, and filed in the City Engineer's Office as Plan Number 809.

Number 29½ and 31 Agricola Street, owned by Warren Gray.

The description in the deed is as follows:—

All that lot of land situated at the south-east corner of Agricola Street and Harris Street in the City and County of Halifax, the said lot being more particularly described as follows:—Beginning at the south-east corner of Agricola Street and Harris Street, thence to run southerly by the existing east line of Agricola Street thirty-five feet six inches more or less to the south boundary of Warren Gray's lands; thence easterly by the said south boundary twenty-two feet six inches more or less to the new east line of Agricola Street; thence northerly by the said new east line of Agricola Street thirty-six feet more or less to the south line of Harris Street; thence westerly by the said south line of Harris Street

twenty-two feet six inches more or less to the place of beginning. The said described lot being all that portion of lot No. 29½ and 31 Agricola Street, lying between the existing east line of Agricola Street and the proposed new east line as shewn by a dotted red line on a plan entitled "Plan of Agricola Street shewing proposed Widening," signed by F. W. W. Doane, City Engineer, dated March 1st, 1901, and filed in the City Engineer's Office at Halifax, N. S., on the 16th January, 1902 as Plan Number fourteen hundred and forty eight.

The consideration paid for the above lot was \$1000. The deed is dated 31st September, 1905, and recorded in the Registry of Deeds Office in Book 369, pages 619 and 621, and filed in the City Engineer's Office as Plan Number 807.

Number 35 & 37 Agricola Street, owned by the Executors of the Estate of the Rev. Hibbert Binney.

The description in the deed is as follows:—

All that lot of land situate on the east side of Agricola Street in the City and County of Halifax, the said lot being more particularly described as follows:—Beginning at a point on the existing east line of Agricola Street distant twenty feet north of the north line of Harris Street; thence northerly by the existing east line of Agricola Street forty-feet more or less or to the north boundary of property Numbers thirty-five and thirty-seven; thence easterly by the said north boundary twenty-one feet more or less or until it comes to the proposed new east line of Agricola Street; thence southerly by the proposed new east line of Agricola Street forty feet more or less until it comes to the south boundary of property Numbers thirty-five and thirty-seven Agricola Street, thence westerly by the said south boundary line twenty feet more or less to the place of beginning. The above described lot being all that portion of properties Numbers thirty-five and thirty-seven Agricola Street lying between the existing east line of Agricola Street and the proposed new east line as shewn by a dotted red line on a plan entitled "Plan of Agricola Street shewing proposed Widening," signed by F. W. W. Doane, City Engineer, and filed in the City Engineer's Office at Halifax, N. S., as Plan Number fourteen hundred and forty-eight.

The consideration paid for the above lot was \$1400. The deed is dated 3rd October, 1905, and recorded in the Registry of Deeds Office, in Book 373, pages 192 and 193, and filed in the City Engineer's Office as plan Number 806.

The following lot was acquired for the purpose of extending a street from Henry to Vernon Streets. It was deeded to the City by Mrs. Caroline Bliss and described as follows:—

All that certain lot, piece and parcel of land situate fronting on the westerly side of a reserved street running through from Coburg Road to Jubilee Road in the City of Halifax, in the Province of Nova Scotia, and being a continuation of Henry Street, said lot hereby conveyed being portion of a lot numbered fifteen (15) in Block A on the plan of part of the estate of Sarah A. Bliss, late of Halifax, aforesaid, widow, deceased, which said plan was prepared for and used at a certain sale of auction which took place on the seventeenth day of September, in the year of our Lord one thousand eight hundred and ninety-two, and also at further sales and a copy of which said plan is on file in the office of the Registrar of Deeds at Halifax aforesaid, said portion of said lot hereby conveyed being bounded and described as follows, that is to say:— Beginning at a point on the westerly side line of said reserved street where the northerly side line of lot numbered fourteen (14) in said Block A heretofore conveyed by Elizabeth Ann Odell to one William H. Pickings meets the same, thence northerly along said side line of said reserved street forty-two feet (42'); thence at right angles westerly and parallel to said side line of said Pickings lot forty-nine feet (49') more or less to the stone wall forming the westerly boundary line of the Estate of said Sarah A. Bliss as shewn on said plan; thence southerly following the line of said stone wall to the northerly side line of said lot Number 14 A, and thence easterly along said last mentioned side line forty-nine feet (49') more or less to the place of beginning.

The consideration was \$80. The Deed is dated the 29th day of September, 1905, and recorded in the Registry of Deeds Office, in Book 373, pages 190 and 191, and filed in the City Engineer's Office as Plan Number 810.

The following Deed recorded in the Registry of Deeds in Book 313, p. 86, and on file in the City Engineer's Office as No. 539 is published for record.

WHEREAS, in and by Chapter 59 of the Acts of 1892 the City of Halifax was authorized to build a new road around Chain Lakes, in the County of Halifax (so called), and on and after said new road was built the said City was authorized to close up the old road known as the Old St. Margaret's Bay Road, and the same should become the property of the City of Halifax to the width of said road;

AND WHEREAS, the said new road has been built by the City of Halifax, leaving a piece of land on the southern line of said new road extending easterly and westerly in front of E. L. Fenerty's property, and which formed part of the old road, and it is desirable in the public interest that said piece of land as well as that portion of the old road commencing at the eastern extremity of the new road and running along the old road to the western boundary of Patrick Kehoe's land should be used by the public;

NOW THEREFORE THIS INDENTURE WITNESSETH, that the said City of Halifax doth hereby grant, bargain, sell and convey unto Her Majesty the Queen, her heirs and successors (subject to the rights hereinafter reserved), all that lot, piece or parcel of land on the southern side of the new road around Chain Lakes (so called), in the County of Halifax, extending eastwardly and westwardly in front of E. L. Fenerty's property, upon which he now resides, and lying between the southern boundary of the old and new roads aforesaid, and which formerly formed part of the old road. Also, all that piece or parcel of land known as the Old St. Margaret's Bay Road, and to the width thereof, commencing at the junction of the said old and new roads near said E. L. Fenerty's house; thence running westwardly and following the direction of said old road to a point where the northern boundary of Patrick Kehoe's property intersects the said old road. TO HAVE AND HOLD the same to and for the use of the public as a public highway, reserving thereto to the City of Halifax the right to enter in and upon said old road at any, and at all times, by night or day, for the purpose of repairing, cleaning, examining, laying and relaying any water pipe thereunder or doing any work in connection therewith or the water supply to the City of Halifax.

IN WITNESS WHEREOF, the said City hath hereunto affixed its seal and the Mayor thereof signed the same this twenty-fifth day of January, in the year of our Lord, one thousand eight hundred and ninety-six.

Signed, sealed and delivered }  
in presence of }

L. FRED. MONAGHAN,

DAVID MCPHERSON,

Mayor.

We agree to this.

W. F. MACCOY, Recorder.

E. L. FENERTY.

## ANALYSIS OF HALIFAX WATER,

66 BEDFORD ROW,

HALIFAX, N. S., 11th Nov., 1890.

E. H. KEATING, ESQ.,

*City Engineer.*

Halifax, N. S.

DEAR SIR,—Having been requested by you to make a series of analyses of the water as supplied to the City of Halifax, as well as of the water of Ragged Lake, which latter does not at present form a part of the supply, I proceeded on the 3rd October last to collect samples from the points indicated in your instructions, as follows:—

LOW SERVICE:—Lower Chain Lake at Inlet to Main; House Tap, 55 South Street; House Tap, 66 Bedford Row.

HIGH SERVICE:—Spruce Hill Lake, at Inlet to Main; Tap at Wellington Barracks; Hydrant near Quinpool Road Engine House.

RAGGED LAKE:—At Natural Outlet.

All samples were collected from the three lakes on the 3rd from the taps in town on the 4th ult. The height of water in the lakes on the date named was as follows:—The height of Long Lake being given as it is the feeder of Lower Chain Lake:—

	LONG LAKE.	SPRUCE HILL LAKE.
3rd October . . . . .	2 ft. 7 $\frac{1}{4}$ in.	2 ft. 8 $\frac{3}{4}$ in. below waste weir.
4th October . . . . .	2 ft. 7 $\frac{1}{2}$ in.	2 ft. 9 in. " "

There had been no rain since the 27th September.

The following is the result of analysis calculated in parts per million:—

SOURCE.	SOLIDS.		NITROGEN AS			Chlorine.	Phosphoric Acid.	OXYGEN ABSORBED.		Valuation.	Class A.	Class B.
	Dry at 1000.	Loss on Ignition.	Albuminoid Ammonia.	Free Ammonia.	Nitrates.			In 15 min.	In 4 hours.			
Ragged Lake.	42	25	.1470	.0471		4.7		2.347	6.057	137.5	III	IV
Lower Chain..	47	35	.1814	.0400		5.3		2.460	6.116	146.1	III	IV
55 South St..	43	28	.1743	.0314		5.2		2.360	6.039	141.3	III	IV
66 Bedford R.	50	28	.1671	.0314		5.8		2.460	6.160	144.9	III	IV
Spruce Hill ..	36	21	.1671	.0400		6.3		2.620	6.314	150.3	III	IV
Wellington Barracks...	46	28	.1814	.0400	Trace.	6.3	None.	2.614	6.243	151.7	III	IV
Quinpool Rd..	46	28	.1814	.0314		6.3		2.558	6.173	148.7	III	IV



There are two points in the above that require special consideration, viz:—The high figures for Albuminoid Ammonia and the Oxygen absorbed. An opinion based on these leads to but one result, that the water is impure.

According to Franklyn Chapman and Smith the limit for Albuminoid Ammonia is 0.066 parts per million for a good water, while here we have from 0.1470 to 0.1814; which is a very large excess.

This impurity is chiefly attributable to contamination with animal matter, but situated as the lakes are, and considering their surroundings, its origin is not apparent. Nevertheless, there is no question but that Lower Chain Lake must in the spring receive a large amount of impurity from the accumulations of the winter, washed into it from the road along its banks. Ragged Lake under this head is the least of all though its figures are much higher than they should be. As to the Oxygen absorbed, 3 parts per million is considered to be the limit of a water of medium purity, while we have here more than 6. This is possibly to be accounted for to a great extent by the soakage through peat bogs which are to be found more or less in the vicinity of all the lakes.

If this is the only cause it does not necessarily condemn the water; peaty water not being considered injurious. Still, the figures are high and the water carries a large amount of organic matter and should be filtered before use in all cases. The result of these analyses, which agree fairly well with the report from the Laboratory of the Inland Revenue at Ottawa (see blue book 1888) point to the advisability of thorough investigation as to the causes of this apparent impurity.

I am much indebted to Prof. Geo. Lawson, with whom I have had frequent consultations with a view to solving the question as to why waters situated as these are should give such unsatisfactory results. He has kindly volunteered to give me his views, which I have much pleasure in appending to this report. I am,

Yours obediently,

MAYNARD BOWMAN.

The following is a copy of a letter from Dr. Geo., Lawson, expressing his views with regard to the conclusions to be drawn from the analyses of Halifax City Water:

DALHOUSIE COLLEGE, 10th Nov., 1890.

DEAR MR. BOWMAN.

The result of your analysis showing Ragged Lake water to contain 0.1470 parts per million of Albuminoid Nitrogen, and the other samples from 0.1671 to 0.1814, the average of the whole being 0.1714, affords sufficient evidence of organic impurity in all the waters. The high rate of Oxygen absorbed tells the same tale. In such cases it is usual to regard the Albuminoid Nitrogen as having its origin in sewage or animal matter, hence the great stress laid by water analysis upon the Albuminoid Nitrogen. Without further knowledge of them, these three waters with the exception perhaps of Ragged Lake, would be regarded by most water authorities as impure, unfit for use, or at least doubtful. It may be, and I incline strongly to this view, that the acidity of our water enables it to give results by the ordinary Ammonia process, which tends to exaggerate the apparent amount of Albuminoid Nitrogen. It is still more likely that a large proportion of the Albuminoid Nitrogen is due to vegetable sources. The avidity for oxygen is probably owing to peaty and other vegetable substances, as well as ferrous salts, all of which we know exist in the water and are not injurious, in the way in which decaying animal matter and sewage are. For these reasons I see no immediate cause for alarm, but there is certainly good reason for thorough investigation as to the sources of the apparent pollution.

Dr. Fox, in his book on sanitary examinations of water, etc., gives an analysis of a water closely resembling the Halifax samples (Albuminoid Ammonia=0.18, Free Ammonia=0.08, Nitrates & Nitrites=0.1, Chlorine=4.5) and remarks 'Such a water when the nitrates & nitrites & chorides are insignificant cannot be condemned, but would simply be described as somewhat dirty.'

It may be that our Halifax water is not essentially impure, but only somewhat dirty. Those who use it are impressed with this latter feature of the water by observing its color and sediment. As a natural water accumulated in a silicious and granitic, rocky, comparatively uninhabited district it ought to be pure, and no doubt will be when proper means are taken to preserve its purity. The first thing to be done is to make a through survey of the shores of the several lakes, and their tributary streams and of the deposits and accumulations in the lake bottoms. In this way the sources of pollution can be reached. It may then be possible to remove or

avoid them, and to supply Halifax with as pure water as is within reach of any City on the Continent.

Yours faithfully,

GEORGE LAWSON.

MAYNARD BOWMAN ESQ.,  
*Dominion Analyst.*

DALHOUSIE COLLEGE,  
Halifax, N. S., 30th Nov., 1905.

F. W. W. DOANE, ESQ.,  
*City Engineer.*

DEAR SIR,—I beg to submit the following report upon the samples of City water submitted to me for analysis:—

Four samples of water were examined, one from Long Lake, one from Spruce Hill Lake, and two from points in the City, taken from the high and low pressure services respectively. Schedules giving the numerical results of analysis are enclosed herewith.

The quality of the water which had passed through the City mains was found to be essentially the same as that taken directly from the lakes.

All samples had a somewhat yellowish tint due to dissolved vegetable matter. Of the total dissolved solids more than 70 per cent. was found to be of vegetable origin. The amount of vegetable matter is relatively large, and to this is due the high values found for ammonia.

Our analyses showed all samples to be wholly free from indications of essentially injurious constituents or contamination.

Yours respectfully,

E. MACKAY.

## Certificate of Analysis of Halifax Water Supply.

DALHOUSIE COLLEGE,

HALIFAX, November 7th, 1905.

Date of Collection of Sample.	SOURCE OF SAMPLE.	Free Ammonia.	Albuminoid Ammonia.	Chlorine.	NITROGEN.		Required Oxygen.	Hardness.	Total Solids.
					Nitrate.	Nitrite.			
1905.									
October 6...	Long Lake.....	.01	.222	10.5	.425	.....	9.870	12.8	118.2
" 6...	Tap at No. 25 Young Ave.	.014	.224	10.9	.400	.....	9.80	13.4	123.8
" 6...	Spruce Hill Lake.....	.026	.120	8.0	.306	.....	9.68	14.1	103.2
" 10...	Tap at Dalhousie College.	.020	.124	7.8	.300	.....	9.60	14.1	107.9

The above amounts are parts per million.

E. MCKAY.