

Indian Affairs
School Files
(RG 10, Volume 6252)

File 575-5, part 1

Birtle Agency - Birtle Residential
School - Presbyterian - Building
Maintenance. (Plans). 1893 - 1896

File 575-5, part 2

Birtle Agency - Birtle Residential
School - Presbyterian - Building
Maintenance - Supplies - Accounts.
1920 - 1930

File 575-5, part 3

Birtle Agency - Birtle Residential
School - Presbyterian - Building
Maintenance - Supplies - Accounts.
1930 - 1931

File 575-5, part 4

Birtle Agency - Birtle Residential
School - Presbyterian - Building
Maintenance - Supplies - Accounts.
1931 - 1934

Indian Affairs. (RG 10, Volume 6252, File 575-5, part 3)

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Department of Indian Affairs
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BIRLIE RESIDENTIAL SCHOOL

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RECORDS CENTRE

BUILDINGS, SUPPLIES, ETC.

227965

Indian Affairs. (RG 10, Volume 6252, File 575-5, part 3)

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Loomis-Manning Filter

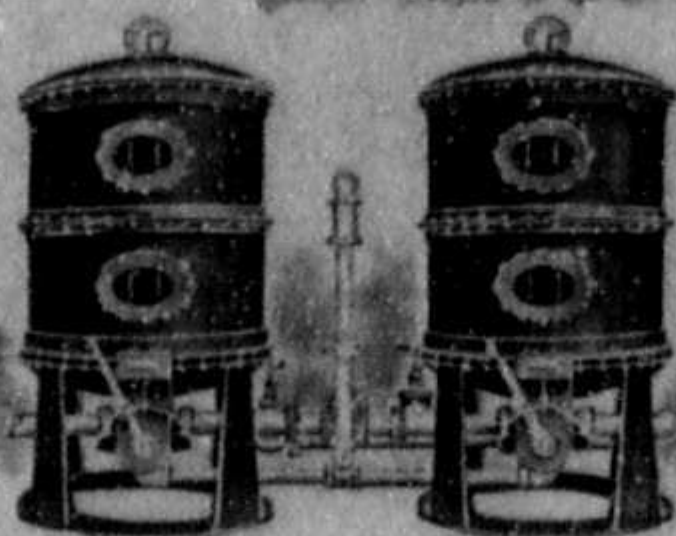


ESTABLISHED
1880

Distributing Co.

Philadelphia

NEW YORK
ARCHITECT'S BUILDING
101 PARK AVENUE
OFFICE 1501



R

MAIN OFFICE
& PLANT
1421-55 SOUTH 37th STREET
PHILADELPHIA

ADDRESS ALL COMMUNICATIONS TO THE CORPORATION
Philadelphia, Pa., Sept., 25, 1930.



Department of Indian Affairs,
Ottawa, Ont.

Ref: Water Filters,
For: Indian School,
Birtle, Man.

Dear Sir:

May we ask your valued consideration of the Loomis-Manning Water Filter in connection with the Mechanical equipment for the above mentioned project which we understand is being developed under your supervision?

These Filters are the results of 50 years experience during which time they have been installed under the supervision of some of the leading architects and engineers both in this country and abroad wherever a water of superior quality is called for and desired.

Capacities are guaranteed and the water is furnished free from all matter in suspension, color, turbidity and stain, in the Single Cylinder Filters and the Double Cylinder Filters will in addition furnish a water free from odor and taste iron sediment and iron stain, as well as chlorine odor and taste.

The construction is rugged in that all parts are of best grade cast iron and bronze and all controls for operating are by a Manning Single all Bronze Control Valve on each unit making them a practical life time installation, with very low upkeep.

A Catalogue describing these filters awaits your request together with full specifications and cuts covering your present or future requirements and the enclosed postal card may be of assistance to you in the matter.

We await with pleasure your reply.

In the meantime, assuring you of our interest in any water problem you may now have, we are

Yours very truly,
LOOMIS-MANNING FILTER DISTRIBUTING COMPANY
E. H. Manning
Engineer

Indian Affairs. (RG 10, Volume 6252, File 575-5, part 3)

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106-1-15
Punnichy Saskatchewan,
Sept 20th 1930.

Immerholt
R. Gurney Orr, Esq.
Architect,
Department of Indian Affairs,
Ottawa.

Dear Mr. Orr:

Re. Birtle Indian School

On Tuesday the 16th I received a telegram from Mr. Gow of the Dominion Water Power and Hydrometric Bureau, asking that I meet him at Birtle to discuss the water supply for the School. On Friday we met there and went over the matter at some length. The actual scheme for the water supply I need not go into here as Mr. Gow will undoubtedly have sent the Department a full report. What I do want your approval of is the using of certain rooms and the consequent changes in part of the basement layout. To show this more clearly I have outlined the basement plan and indicated in red the portions that will be effected.

With the proposed scheme it will be necessary to house a pressure tank, a chlorinator, a filter (similar to Gordons) and pump. These can well go into the rooms marked as Dairy and Pump Room., and we could place the Dairy in some other place; maybe in one of the two suggested places indicated on my sketch. May I mention in this regard that for the present way in which they use this room it would be more convenient next to the Kitchen or Dining Room. If you adopted suggestion No. 2 on the plan it might be as well to eliminate the corridor into the Dining Room.

I see no real hardship in having to take the Domestic Coal down the rear entrance and into rooms indicated in suggestion No. 1. This will be carried into the Kitchen in scuttles.

I am sending a copy of the enclosed sketch to Mr. Gow and also to Mr. Henderson on the job. Will you wire both of them your decision in the matter of changes so that the least amount of delay may occur?

Yours Sincerely,
(W. Swan)

*No enclosure
W.S.*

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106-1-15
CANADIAN PACIFIC RAILWAY COMPANY'S TELEGRAPH

TELEGRAM

CABLE CONNECTIONS TO ALL THE WORLD

J. McMILLAN, General Manager of Telegraphs, Montreal.

Send the following Message, subject to the terms printed on the back hereof which are hereby agreed to.

Ottawa, September 27, 1930.

D. B. Gow,
Chief Engineer,
Dominion Water Power and Hydrometric Bureau,
Winnipeg, Man.

Re yesterday's telegram Do not deal with matter of Birtle
water supply other than preparation of plans until further
advised.

A. F. MacKenzie.

Charge D.I.A.

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Copy.

Winnipeg, Sept. 19th, 1930.

The Principal,
Indian Residential School,
Birtle, Manitoba.

Dear Sir:-

Our Foreman on the Heating of the New Indian Residential School, asked us to give you a price on some work in your school building, and we would supply the necessary labor and material to plug up the steam mains and make necessary connections as per information given us by our Foreman, for the sum of:-

FIFTEEN DOLLARS, (\$15.00)

Our men will do any work you may need while they are there, if you will give them instructions to do what you want.

Yours very truly,

BALLANTYNE & WETMORE LIMITED

Per _____

Gen. Mgr.

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DEPARTMENT OF INDIAN AFFAIRS
CANADA

Birtle, Manitoba.
Sept. 25th, 1930.

A. F. MacKenzie, Esq.,
Secretary Dept. of Indian Affairs,
Ottawa.

Dear Sir:

I enclose a copy of work being done at the present Indian Residential School, ordered and approved by Rev. D. J. Graham, for the sum of \$15.00 to plug up steam mains and making necessary connections for shutting off radiation in North and East Wings of School.

Your obedient servant,

David Henderson,
Clerk of Works.

DH/MC
ENC.

Indian Affairs. (RG 10, Volume 6252, File 575-5, part 3)

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J. W. R. Cote, 39 Edna Ave., Toronto 9, Ont.

Canadian Representative

RADIO RECEPTOR COMPANY, Inc.

MANUFACTURERS OF

Powerizers and Sound Systems

INFORMATION NECESSARY FOR THE INSTALLATION OF A SOUND SYSTEM

Answer the following questions and forward to us at the above address.

It will receive the prompt attention of our engineering department.

Date.....

NAME.....

ADDRESS.....

1. GENERAL STATEMENT OF SERVICE EXPECTED FROM THE CENTRALIZED SYSTEM:
Check type.

A - Radio.....How many channels.....

B - Phonograph.....Single or double turntable.....

C - Microphone.....How Many: 1 - 2 or 3:.....

D - All three.....

E - Talking Pictures.....Type of projector.....

Sound on film.....Sound on disc.....Both.....

F - If none of the above, give descriptive details.

2. TYPE OF BUILDING OR SERVICE: Check type.

A - School.....G - Railroad station.....

B - Hotel.....H - Airport.....

C - Hospital.....I - Auditorium.....

D - Apartment House.....J - Theatre.....

E - Skating rink.....K - Dance Hall.....

F - If none of the above, give descriptive details.

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3. PLACES TO BE SERVED: - Check requirements.

- A - Rooms.....No.....Capacity.....
B - Classroom.....No.....Capacity.....
C - Auditorium.....No.....Capacity.....
D - Lecture Hall.....No.....Capacity.....
E - Gymnasium.....No.....Capacity.....
F - Lobby.....No. speakers desired.....
G - If none of the above, give descriptive details.

4. DESCRIPTION OF PLACES TO BE SERVED:

- A - Blueprints, architects specifications and photographs should be enclosed wherever available. If such prints or photos are not available, submit sketches showing dimensions of interior.
B - Give details showing size of place, height, width, and depth.
C - Seats if any:- whether wood, leather, or plush.....
D - Walls:- Material of the wall:-finish - drapes - tapestries or acoustic materials.....
E - Floor:- what sort of material is used: - wood - marble - concrete - tile or rugs.....
F - Ceiling: - whether flat or arched.....material finish.....
G - Fixtures or any other type of obstructions. Locate obstructions such as columns - niches - etc.....
H - Locate position of balcony in auditoriums, lecture rooms, etc., if any.....

5. ACCESSORIES DESIRED:

- A - Speakers:
No. Magnetics.....Flush, wall or desk type.....
No. Dynamics.....Flush, wall or desk type.....
B - Headphones: No.....
C - Are separate volume controls required in each room?.....
D - Are flush type wall jacks required to plug in speakers?.....
E - Are speakers to be controlled from panel or only in the room?.....
How many distribution circuits are required from panel?.....
F - If a theatre, what type of magnetic pickup or photo-electric cells are we required to hook up to?.....

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6. CONTROL ROOM.

- A - Location of control room with respect to the speaker or other equipment. Give distance in feet.....
- B - Size of control room.....Height.....Width.....
Depth.....
- C - What source of power supply is available? A.C. or D.C.?.....
Voltage.....Frequency.....
- D - What restrictions will there be with respect to the placement of equipment, such as speakers, microphone, control panel, etc.?

OUTDOOR REQUIREMENTS

- 7. Sketch or drawing showing length and width of area to be covered.
 - A - Speakers, platform or bandstand.
 - B - Trees or other obstructions, any surrounding buildings, neighboring streets and highways, indicating kind of traffic on them and proximity of electric and steel railways.
- 8. Character of space to be covered:- open or covered, or both. If cover is used, give nature of cover and side walls, and height above ground of the covering, etc.
- 9. Will it be possible to mount horns 15 to 20 feet above the speaker? If such an arrangement is not possible, may they be mounted in two groups on either side of the speaker about 15 feet high and 20 feet apart?

Any additional features that may be recognized as necessary information should be included in the description of the building.

- 10. Name and address to whom the proposal is to be made.....
.....
- 11. Name and address of the architect.....
- 12. Name and address of the builder and contractor.....
- 13. Name and address of the owner.....
- 14. Name and address of contracting salesman.....
- 15. Name and address of electrical contractor who is suggested to do the job.....
- 16. What information do you desire?.....
.....
.....

(Write on the back of this sheet any special information)

Indian Affairs. (RG 10, Volume 6252, File 575-5, part 3)

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PHONE. LL2197

106-1-15

J. W. R. Cote, 39 Edna Ave., Toronto 9, Ont.
Canadian Representative

RADIO RECEPTOR COMPANY, Inc.

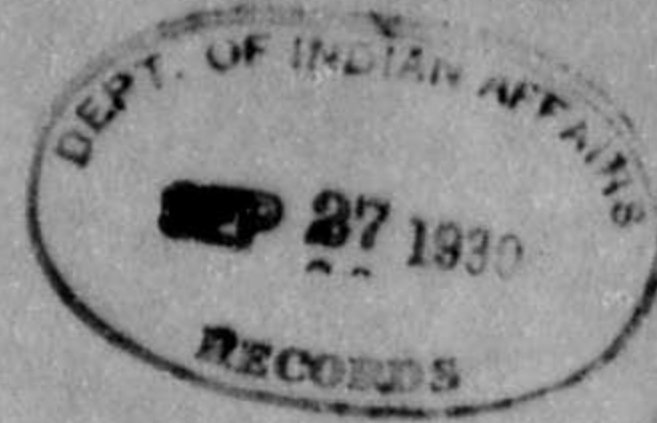
MANUFACTURERS OF
Powerizer Sound Systems
Super Amplifiers and Centralized Radio

R

All prices and quotations given are F.O.B. factory New York City, subject to 2 per cent 10 days, and subject to change without notice.

Architect

September 26, 1930.



The Department of Indian Affairs,
Ottawa, Ont.

Re: Indian School, Birtle, Man

Dear Sirs:-

On September 9th, I wrote you regarding the above school, and at the same time I wrote to the Claydon Company Limited, who I was told were the contractors. They write metoday that as far as the sound systems are concerned, they have the contract for the building from your Dept. at Ottawa, but there is no sound system equipment specified for the above building. They say they have no control over inatallations of this kind. So I again ask you whether you have the intention of equipping this buildig with a sound system as we are specialists and would be in a position to give you plans and speifications, also prices for an installation of this kind if you wished. Catalogues will be forwarded upon request.

J-RC/MO

Yours very truly

J. W. R. Cote

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R

DEPARTMENT OF INDIAN AFFAIRS
CANADA



Birtle, Manitoba.
Sept 26th, 1930.

A. F. MacKenzie
A. F. MacKenzie, Esq.,
Secretary Dept. of Indian Affairs,
Ottawa.

Dear Sir:

I beg to inform you that I have had a visit from Mrs McCarroll, Mr. Lazenby, Agent, Rev. D. J. Graham and Mr. Floyd.

Mrs. McCarroll asked if I had had any approval of several changes mentioned by Mr. Swan. Mrs. McCarroll also asked if anything could be done to keep dust down off Cement Floor where there is no linoleum. She also suggested putting iron grills on windows of boy's and girl's recreation rooms to keep them from escaping, also she made several notes and led me to believe that she leaves for Ottawa to take up several of these items.

Having had a visit from Mr. Gow, Engineer from Winnipeg, Mr. Johnson, Assistant Engineer, and Mr. Swan, Architect, on the 19th of September, we discussed the matter of putting pressure tank into Dairy and Pump Room and Sceptic tank etc.

I enclose a copy of letter received from Mr. Swan also revised blue print has been submitted showing proposed New Dairy No. 1. Having stopped plumber from making connections in Dairy same Catch Basin and sink will all work in. Drains in basement are all tint and tested save Dairy and Pump Room at North end. Fresh connections will have to be made to rain water drains and new stack carried up. I am waiting to hear from Mr. Orr, Architect.

Your obedient servant,

DH/MC

David Henderson,
Clerk of Works.

Indian Affairs. (RG 10, Volume 6252, File 575-5, part 3)

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DEPARTMENT OF INDIAN AFFAIRS
CANADA

Birtle, Manitoba.
Sept 26th, 1930.

106-1-15
106-1-15
106-1-15
A. F. MacKenzie, Esq.,
Secretary Dept. of Indian Affairs,
Ottawa.

Dear Sir:

Your wire to hand Re New Position of Dairy.
Have advised contractor of same and will notify you
all extra cost owing to drains filled in and tested,
and fresh connections to be made.

Your obedient servant,

David Henderson
David Henderson,
Clerk of Works.

DH/MC



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CANADA CEMENT COMPANY LIMITED

TEST SHEET

September 16th, 1920.

Specification Requirements

Canadian Engineering Standard Association.

Fineness

Residue on sieve No. 200 shall not exceed 22%.

Setting time

Initial Set not less than 30 mins.

Final Set not more than 10 hrs.

Soundness or Constancy of volume a pat of neat cement, tested 24 hrs. after molding shall remain firm and hard and show no signs of distortion in the steam test for soundness.

Tensile Strength

Average tensile strength of not less than 3 briquettes composed of 1 part cement and 3 parts standard sand by weight, shall be equal to or higher, than the following:
age of 7 days.....225...~~200~~ lbs. per sq. inch, age of 28 days.....325...~~300~~ lbs. per sq. inch.

Car No. CP 82054.

Shipped to Claydon & Co.,

To Birtle, Man.

FINENESS: Residue on No. 200 sieve.....18 %

SOUNDNESS: 5 hour Steam Test.....OK

SETTING TIME:—

Water required for Normal Consistency.....23.5 %

INITIAL SET.....2.25.....FINAL SET.....5.35

TENSILE STRENGTH IN POUNDS PER SQ. INCH

	7 days	28 days
	<u>330</u>	<u>395</u>
	<u>325</u>	<u>410</u>
	<u>340</u>	<u>415</u>
Average	<u>332</u>	Average <u>407</u>

Tensile results are from tests made on cement in bin from which this shipment was drawn.
All briquettes stored in moist air 24 hrs. balance of time under water of temperature 18° C (64° Fahr.) and below a maximum of 25° C (77° Fahr.)

C.J. Murphy

m Chemist.

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DEPARTMENT OF INDIAN AFFAIRS
CANADA



Birtle, Manitoba,
September 27th, 1930.

Ans. [Signature]

A. F. MacKenzie, Esq.,
Secretary of Indian Affairs,
Ottawa.

Dear Sir:

Enclosed please find Test Sheet for cement,
which I trust you will find in order.

Your obedient servant.

David Henderson,
Clerk of Works.

DH/MC
ENC.

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sufficient pressure to ensure a gravity system to these buildings during the greater portion of the time.

Fire Protection

The stand-pipes in the school will connect with the pressure tank system, giving a very limited amount of fire protection.

Estimates of Cost.

<u>I. - Meter.</u>		
3" Empire meter F.O.B. Toronto.....	175.00	
Installing meter and connections to water tank.....	50.00	225.00
<u>II. - Pipe Line.</u>		
1650' 2½" W.I. Pipe @ 38.50 per 100'...	635.00	
Trenching, laying & backfilling @ .80¢ per ft.....	1320.00	
Valves & fittings.....	50.00	2005.00
<u>III. - Storage Tank.</u>		
5,000 gallon storage tank.....	650.00	
Excavation and placing.....	150.00	800.00
<u>IV - Pumping Installation</u>		
1,500 G.P.H. Typhoon Pump with motor...	433.00	
Air Compressor.....	135.00	
Valves, connections, fittings, wiring....	125.00	693.00
<u>V. - Filter</u>		
Filter.....	600.00	
Installing.....	50.00	650.00
<u>VI - Chlorinator</u>		
Chlorinator, completely installed.....	1800.00	1800.00
<u>VII - Pressure Tank</u>		
Tank.....	370.00	
Installing and fittings.....	50.00	420.00
<u>VIII - Water Supply to Barns</u>		
<u>Pipe Line</u>		
600' 1½" pipe @ 17.00 per 100'	102.00	
Trenching, laying, backfilling @ .80¢ ft.	480.00	582.00
<u>IX - Freight, cartage</u>	200.00	200.00
<u>X - Extras</u> - such as caused by changes in layout in building.....	75.00	75.00
<u>XI - Incidentals</u> not classified.....	300.00	300.00
Contractor's profit 10% on labor.....		350.00
Total Estimated Cost.....		\$8100.00

Winnipeg, Sept. 25, 1930.

DRG

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PROPOSED WATER SUPPLY

FOR

BIRTLE INDIAN SCHOOL.

Source of Supply.

The primary source of water supply for the new Indian School at Birtle is Birdtail Creek. The Canadian Pacific Railway Company maintains a pumping plant on the creek bank and pumps water to their water tank adjoining the railway nearly one mile distant. The pumping plant is modern, efficient and when traffic is heavy about 80,000 to 100,000 gallons of water are pumped daily, the tank being filled at least twice daily. The new school is located approximately 1,600 feet from the railway water tank. The Canadian Pacific Railway Company has agreed to supply water for the new school upon the following general terms:-

- (1) The water supply to be drawn from their water tank and not from their pipe line.
- (2) The water supply pipe connection to the pipe line to the school to extend at least 7' -0" above the bottom of their water tank so that at no time can the school drain the railway tank.
- (3) The water supply to the school to be metered and water used to be paid for at the rate of 25 cents per 1,000 gallons.
- (4) The meter to be supplied by and installed at the expense of the school and all pipe connections to the water tank are to be made at no expense to the Railway Company.
- (5) The Railway Company does not accept responsibility for any deficiency in the water supply.

Purity of Supply.

The water will require to be filtered and chlorinated for domestic use.

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PROPOSED WATER SUPPLY SYSTEM

General.

The following elevations are to be noted,

Elevations being to sea level datum:

Concrete base of C.P.R. water tank	1707.25
Bottom of water tank.....	1725.25
Maximum water level in tank (full).....	1740.25
Outlet to school pipe line.....	1732.25
Basement floor of new school.....	1694.00
Water services in basement of school.....	1697.00

With the water level in the water tank standing at elevation 1732.25 there would be a 35.25 foot head, less loss of head due to friction in the pipe line, on the water services in the basement of the school, so that if other conditions permitted a gravity water supply would be possible to the water services in the basement of the school where it is estimated 75 percent of the water supply will be used. Unfortunately there are other conditions that do not permit of a dependable water supply in the basement under the gravity system. When the water level in the railway tank drops below elevation 1732.25, as it will probably frequently do, no water is available for the school pipe line and as a short time would suffice to drain the water in the pipe line the school would be without water until such time as the Railway Company again filled their water tank. The domestic water supply must be chlorinated and to operate efficiently there must be a water pressure of at least 20 pounds per square inch on the feed pipe to the chlorinator and this pressure is not obtainable with a gravity system. There is apparently no necessity for chlorinating the water supply for the laundry or toilets and it is possible to

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supply these services in the basement by gravity, except during those intervals when the water supply in the railway tank drops below 1732.25. I would, however, point out that the only advantage of a partial gravity system would be the considerable saving in pumping costs, but that this saving would not compensate for the inconvenience caused by lack of water supply for a few hours every now and then. Accordingly, I would recommend that the whole water supply for the school building be supplied through a pressure tank system. To ensure that the school would always have a day's water supply available it will be necessary to install a 5,000 gallon tank in the immediate vicinity of the school and preferably underground.

Proposed Installation.

The proposed installation for the water supply to the new school is as follows:-

- (1) A 3" meter to be installed in the enclosure under the Canadian Pacific Railway water tank.
- (2) 1,650 feet of 2½" wrought iron pipe line running from the water tank through the meter to a 5,000 gallon storage tank.
- (3) A cylindrical storage tank 6' 6" diameter and 25' 0" long, capacity 5,000 gallons and designed for a working pressure of 20# per square inch, heads to be 5/16" plate, flanged and dished, shell 1/4". The tank will be equipped with 11" x 15" manhole and all seams stitch rivetted and electrically welded. This tank will be placed 5' 0" underground and immediately adjacent to the rear of the pump and boiler rooms.

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(4). One 1,500 gallon per hour self-oiling Typhoon pump, motor driven and mounted upon the same base as the 3 H.P. motor. The intake will be directly from the 5,000 gallon storage reservoir.

(5) The discharge from the pump will be through a short length of piping to the water filter, (similar in design and capacity to the filter in the Gordon School, Saskatchewan.

(6) From the filter the discharge will be directly into a 1,200 gallon pressure tank. This tank will be 4' 0" diameter and 16' 0" long and similar to the tank installed in the Brandon School. The pressure range in this tank will be between 50 and 100 pounds, which range is sufficient to meet all requirements.

(7) A small motor driven air compressor will be installed to maintain an adequate air pressure within the pressure tank.

(8) The discharge from the pressure tank will lead through the chlorinator. This chlorinator will probably be similar to the one in operation at the Cecilia Jeffrey School at Kenora. If it is so desired the water supply for the toilets and laundry room need not pass through the chlorinator but might be taken directly from a second outlet connection from the pressure tank.

Water Supply for Farm Buildings

The farm buildings will probably be located about 500 to 600 feet from the school and on slightly higher ground. It is proposed to lay a 1½" pipe line from the 5,000 gallon storage tank to the cattle barn with 1" piping from this line to other buildings. There will be

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sufficient pressure to ensure a gravity system to these buildings during the greater partion of the time.

Fire Protection

The stand-pipes in the school will connect with the pressure tank system, giving a very limited amount of fire protection.

Estimates of Cost.

<u>I. - Meter.</u>		
3" Empire meter F.O.B. Toronto.....	175.00	
Installing meter and connections to water tank.....	50.00	225.00
<u>II. - Pipe Line.</u>		
1650' 2 1/2" W.I. Pipe @ 38.50 per 100'..	635.00	
Trenching, laying & backfilling @ .80¢ per ft.....	1320.00	
Valves & fittings.....	50.00	2005.00
<u>III. - Storage Tank.</u>		
5,000 gallon storage tank.....	650.00	
Excavation and placing.....	150.00	800.00
<u>IV - Pumping Installation</u>		
1,500 G.P.H. Typhoon Pump with motor...	433.00	
Air Compressor.....	135.00	
Valves, connections, fittings, wiring....	125.00	693.00
<u>V. - Filter</u>		
Filter.....	600.00	
Installing.....	50.00	650.00
<u>VI - Chlorinator</u>		
Chlorinator, completely installed.....	1800.00	1800.00
<u>VII - Pressure Tank</u>		
Tank.....	370.00	
Installing and fittings.....	50.00	420.00
<u>VIII - Water Supply to Barns</u>		
<u>Pipe Line</u>		
600' 1 1/2" pipe @ 17.00 per 100'	102.00	
Trenching, laying, backfilling @ .80¢ ft.	480.00	582.00
<u>IX - Freight, cartage</u>	200.00	200.00
<u>X - Extras</u> - such as caused by changes in layout in building.....	75.00	75.00
<u>XI - Incidentals</u> not classified.....	300.00	300.00
Contractor's profit 10% on labor.....		350.00
Total Estimated Cost.....		\$8100.00

Winnipeg, Sept. 25, 1930.

DDG

Indian Affairs. (RG 10, Volume 6252, File 575-5, part 3)

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PLEASE ADDRESS YOUR REPLY TO
THE DISTRICT CHIEF ENGINEER
DOMINION
WATER POWER AND RECLAMATION SERVICE
221 CHAMBERLAIN STREET
WINNIPEG, MANITOBA

DBG/G.



DEPARTMENT OF THE INTERIOR
CANADA

PLEASE REFER TO ONE SUBJECT IN A
LETTER AND IN YOUR REPLY QUOTE
FILE NO. 16958-M

DOMINION WATER POWER AND RECLAMATION SERVICE
HYDROMETRIC BUREAU

WINNIPEG, MAN.

September 25, 1930.

Sir:-

I am enclosing herewith a report on the proposed water supply for the Birtle Indian Residential School.

On September 19th I met Mr. W. Swan, of Punnichy, Saskatchewan, at Birtle, this meeting being arranged at my request in order that I could discuss with him the most suitable water supply system for the school. This report being forwarded conforms very closely to the scheme discussed and decided upon at the meeting between Mr. Swan and myself. There will probably be some alterations that you will desire made and it may be possible that we will not be able to follow out the proposals as outlined in this report.

There will be considerable excavation work to be done in connection with the water supply and sewage disposal plants and I would strongly urge that the work on these two systems be not delayed. This work I believe could be most economically done by the present contractors building the school, either on a cost plus 10% basis or on a cost plus a fixed sum. Personally, I prefer the latter alternative.

We are hoping to have made available for the water supply installation the two rooms shown on your school plans as pump room and dairy room. I understand that Mr. Swan has written to you with reference to having these two rooms made available for the water supply installation. The estimates included in this report were based upon the assumption that these two rooms will be made available for the water supply installation.

I would appreciate having your views on the proposed lay-out and if it is your desire to have this work done under the direction of this office I would appreciate have authority at as early a date as possible to have the work put under way.

Your obedient servant,

D. B. Gow,

Acting District Chief Engineer.

R. Girney Orr, Esq.,
Chief Architect,
Department of Indian Affairs,
Ottawa, Ont.

Indian Affairs. (RG 10, Volume 6252, File 575-5, part 3)

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PLEASE ADDRESS YOUR REPLY TO
THIS OFFICE OF
WATER POWER AND
DEPARTMENT OF THE INTERIOR
OTTAWA

HYDROMETRIC BUREAU

MFC*ZB



DEPARTMENT OF THE INTERIOR
CANADA


DOMINION WATER POWER AND **HYDROMETRIC BUREAU**

106-1-15
DIRECTOR, J. T. JOHNSTON, C.E., M.E.
ASST. DIRECTOR, V. MEEK, B.Sc., M.E.I.

PLEASE REFER TO ONE SUBJECT IN A
LETTER, AND IN YOUR REPLY QUOTE

FILE NO. 15244-W

OTTAWA, ONT. September 29th, 1930.


Sir,

Re Birtle Indian School.

I enclose herewith a report received from our Acting District Chief Engineer at Winnipeg on the proposed water supply for the Birtle Indian school, to which is attached covering letter addressed to Mr. R.G. Orr, Departmental Architect. I shall be glad to have your further instructions regarding this report.

Encl.

Your obedient servant,

J. T. Johnston,
Director.

Per

M. F.C.

A. F. MacKenzie, Esq.,
Secretary,
Department of Indian Affairs,
Ottawa.



Indian Affairs. (RG 10, Volume 6252, File 575-5, part 3)

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Oct. 3, 1930.

MEMORANDUM:

Dr. Scott.

A report has today been received from Mr. D.B. Gow, Acting District Chief Engineer of the Dominion Water Power and Hydrometric Bureau, Winnipeg, with reference to the water supply system for the new Birtle Indian Residential School. It is proposed to obtain water for the building from the Canadian Pacific Railway Company's pumping plant and tank adjacent to the railway station. The new school is located approximately 1600 feet from the railway water tank. The railway is prepared to supply water to the school at a cost of 25¢ per 1000 gallons.

It will be necessary to filter and chlorinate the water to make it safe for domestic use. The proposed system will consist of a 3 inch metre to be installed under the railway tank, the laying of 1650 feet of 2½ inch pipe to a 5000 gallon storage tank built to the rear of the school. From this storage tank the water will be pumped to a pneumatic tank located in the basement of the school, which will provide a pressure ranging from 50 to 100 pounds throughout the building. In the same room where the tank is installed will be located a filter and chlorinator. The water supply for the barns will be taken from the pipe leading to the school. The following is an estimate of the cost of the installation:-

Metre.....	\$225.00
Pipe Line.....	\$3005.00
Storage Tank.....	\$800.00
Pumping Installation.....	\$693.00
Filter.....	\$650.00
Chlorinator.....	\$1800.00
Pressure Tank.....	\$420.00
Water Supply to Barns.....	\$582.00
Freight	\$200.00
Extras.....	\$ 75.00
Incidentals not classified	\$300.00
Contractor's profit 10%	\$350.00
Total.....	\$8,100.00

Indian Affairs. (RG 10, Volume 6252, File 575-5, part 3)

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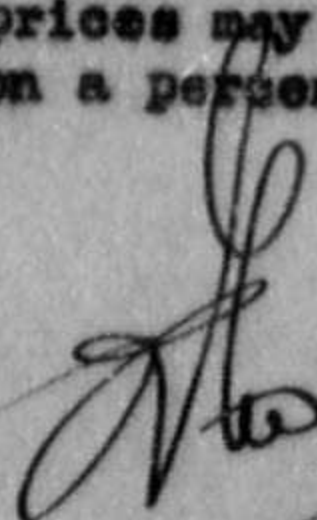
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MEMORANDUM: continued.

This work could be undertaken either by contract or on a proven cost plus 10% basis.

Will you please advise me what action should be taken and the names of firms from whom prices may be obtained, or the firm to whom the work can be let on a percentage basis.



ARCHITECT.

Indian Affairs. (RG 10, Volume 6252, File 575-5, part 3)

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Oct. 3, 1930.

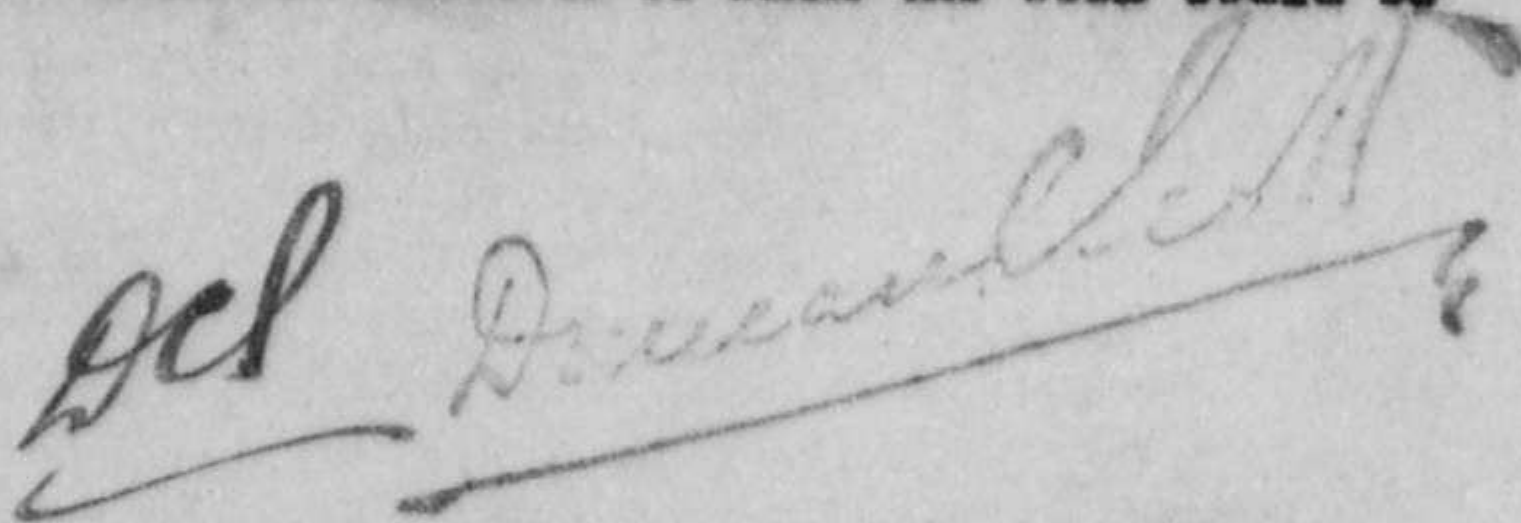
Memorandum:

Hon. Thomas G. Murphy.

I am attaching hereto a memorandum from the Architect of the Department, with reference to the proposed water supply system for the new Birtle School. Will you please advise me whether this work may be carried out on a proven cost plus ten percent basis, or if competitive prices are to be obtained.

Mr. Gow has been already instructed to have the sewerage system installed by Mr. William Dalton on a proven cost plus ten percent and if he declines the work to offer same to Mr. H.S. Stead on the same basis.

If it is your desire that competitive prices be obtained will you please give me the names of firms who might be requested to quote, and if by day labour the name of a reliable firm to whom the work could be entrusted.



Indian Affairs. (RG 10, Volume 6252, File 575-5, part 3)

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DEPARTMENT OF INDIAN AFFAIRS
CANADA

Oct. 3, 1930.

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ARCHITECT.

Indian Affairs. (RG 10, Volume 6252, File 575-5, part 3)

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DEPARTMENT OF INDIAN AFFAIRS
CANADA

DUNCAN C. SCOTT
DEPUTY SUPERINTENDENT GENERAL
OTTAWA

Oct. 3, 1930.

Mr. Tom
Memorandum:

Hon. Thomas G. Murphy.

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Duncan Scott

*Will you kindly offer this work to
H.S. Stead Trepana at approved
cost plus 10% Thomas G. Murphy*

Indian Affairs. (RG 10, Volume 6252, File 575-5, part 3)

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DEPARTMENT OF INDIAN AFFAIRS
CANADA

DUNCAN C. SCOTT
DEPUTY SUPERINTENDENT GENERAL
OTTAWA

Oct. 3, 1930.

McGowan
Memorandum:

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