

MEMORANDUM

Calgary, January 29, 1941.

Mr. Schmidt called Wilkinson & McClean, who quoted as follows on electric motors:

Single Phase:

5 H.P. 1800 R.P.M. 220 Volts:

Motor.....	\$210.65	
Sliding Base.....	17.10	
Starting Switch.....	8.00	\$230.75.

Three-Phase:

5 H.P. 1800 R.P.M. 60 Cycles 220 Volts:

Motor.....	\$ 81.90	
Sliding Base.....	6.30	
Starting Switch.....	8.00	\$ 96.20.

Canadian Westinghouse quote as follows:

Single Phase:

5. H.P. 1800 R.P.M. 220 Volts:

Motor.....	\$191.50	
Sliding Base.....	11.00	
Manual Starter.....	8.40	\$210.90

(If you want to operate from a distance and push a button, the starter will cost \$21.84).
The Single phase motor is not carried in stock, being really too large, and seldom called for; could be obtained in about two months.

Three-Phase: 5 H.P. 1800 R.P.M. 220 Volts:

Motor.....	\$ 91.30	
Sliding Base.....	7.70	
Manual Starter.....	9.45	\$108.45
Push button starter....	\$21.84..	

They have three-phase motor in stock and it could be shipped at once through Cardston Motors.

Indian Affairs. School Files.
(RG 10, Volume 6344, File 750-5, part 5)

PUBLIC ARCHIVES
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CANADA

CABLE ADDRESS
WILMAC CALGARY

TELEPHONES:
OFFICE M4351 - M4361
NIGHT 80437 - L1051

WILKINSON & McCLEAN LIMITED

EDMONTON CALGARY TURNER VALLEY LETHBRIDGE

Successors to

O'NEILL MACHINERY & SUPPLY CO.
OLIVER MACHINERY CO.

615—8th Avenue West,
CALGARY

OUR REF.....

YOUR REF.....

ALBERTA AGENTS FOR
C. P. R. SURPLUS
EQUIPMENT

January 28, 1941.

Department of Indian Affairs,
Cardston, Alberta.

All quotations are subject to fluctuations which may arise in sales tax, duties, exchange and freight rates and will be adjusted at the time of shipment. Deliveries are subject to delays beyond our control.

Gentlemen:

ALL QUOTATIONS SUBJECT TO CHANGE WITHOUT NOTICE AND ALL AGREEMENTS CONTINGENT
UPON UNAVOIDABLE CAUSES BEYOND OUR CONTROL.

We are pleased to quote you on Pipe, as follows:-

6" Standard Black Pipe, Lapweld, random 20 ft. lengths,
Standard Couplings \$1.82 per foot

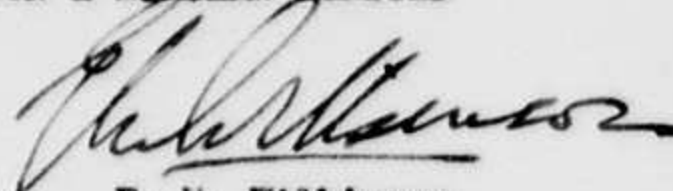
Less 2% 30 days

For Calgary

We can make immediate delivery of this Pipe out
of stock.

Yours truly,

WILKINSON & McCLEAN LIMITED



E. M. Wilkinson

FMW:GR

SUPPLIERS OF

MINE, MILL AND OILWELL
MACHINERY, (NEW AND USED)
ELECTRICAL EQUIPMENT,
TRANSFORMERS, MOTORS,
SWITCHGEAR, GENERATORS,
LIGHTING PLANTS
DIESEL ENGINES
COMPRESSORS
POWER PLANTS
CONVEYORS
HOISTS AND HAULAGE GEARS
LOCOMOTIVES, (DIESEL AND ELECTRIC)
MACHINE TOOLS
TRANSMISSION
FANS AND BLOWERS
TRACTORS
ROAD MACHINERY
LAUNDRY MACHINERY
PUMPS AND WATER SYSTEMS
PIPE, VALVES, FITTINGS
WIRE ROPE
BELTING (ALL KINDS)
PACKINGS
BOLTS, SPIKES, RIVETS, ETC.
STEEL, (PLATES, SHEETS, BARS)
GALVANIZED & CORRUGATED IRON
POLES (STEEL AND WOOD)

*Price of shoe \$20⁰⁰
Extra collars 125-*

ALBERTA DISTRIBUTORS FOR
CANADIAN JOHNS-MANVILLE CO. LTD.

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(RG 10, Volume 6344, File 750-5, part 5)

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MEMORANDUM

Calgary, January 28th, 1941.

Mr. Maughan called Bell and Morris for quotation on 6-inch standard line pipe, with collars; was informed they had none on hand.

Mr. Morris quoted a price of \$184.81 per hundred feet on 6-inch black pipe, F.O.B. Calgary.

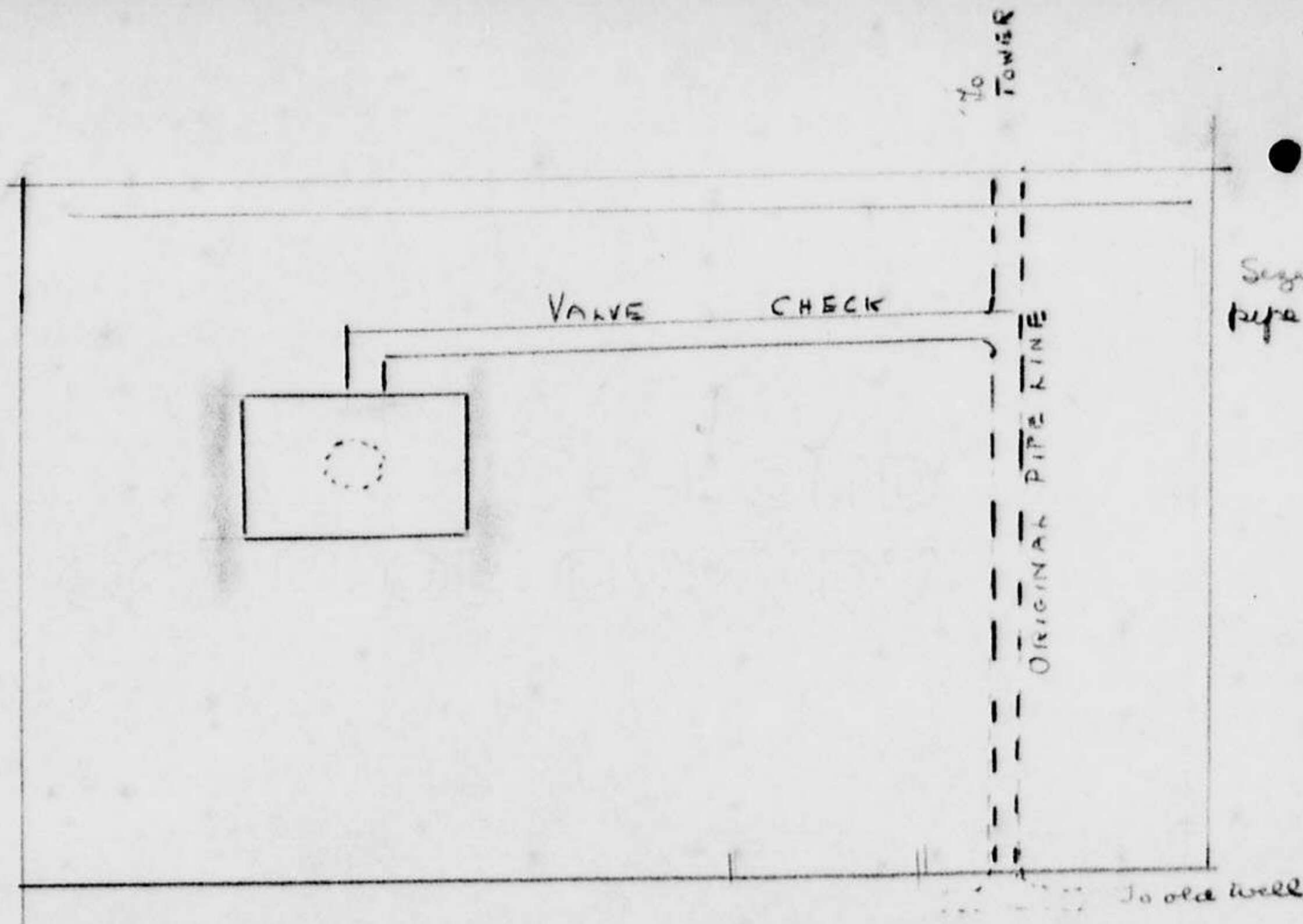
Mr. Maughan called McPherson & Thom, who quoted a price on a working barrel, 4" X 36", ball valves, of \$99.00

Metals Limited quoted a price on a working barrel;
4" X 36", ball valves -- \$75.00, F.O.B. Calgary;
4" X 42", " " -- 79.75, " "

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GARAGE



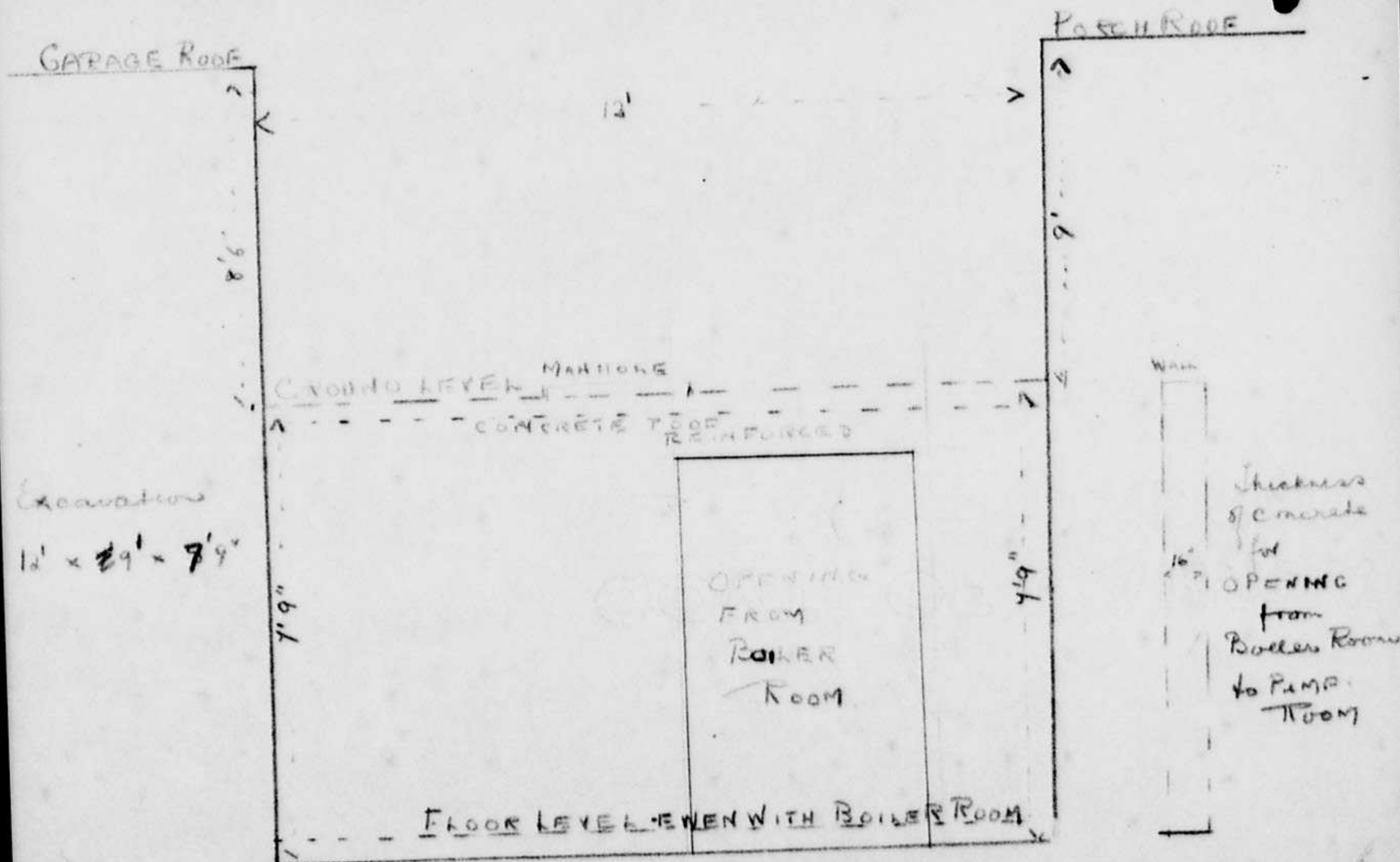
Size of
pipe 3"

NEW PUMP HOUSE FLOOR PLAN

Indian Affairs. School Files.
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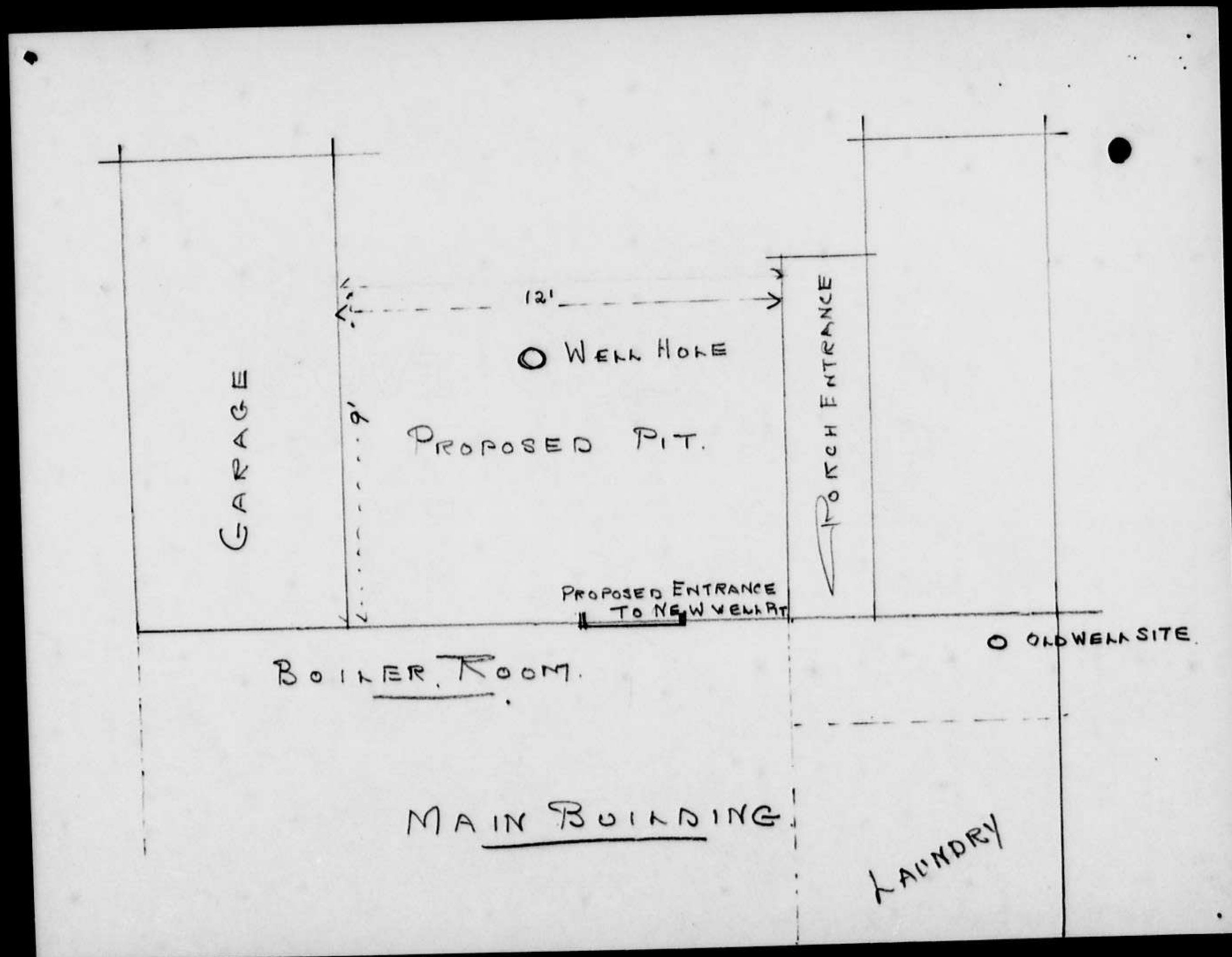
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Sketch showing pit & entrance from
Boiler Room. (Not to Scale).



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P. O. Box 74

Phone 71

F. W. FLETT

PLUMBING, HEATING AND
SHEET METAL WORK

Cardston - Alberta

Jan. 27, 1941

ESTIMATE FOR WORK ON NEW WELL AT ST. MARY'S SCHOOL:

Moving Pump Head and fitting up in new Pump House and supplying
new Working Bbl. for \$185.00.

Working Barrel, \$85.00

Cutting pipe & moving fittings,
Changing pump drive from side drive
to centre drive.

Material\$20.00

Labor\$80.00

Total.....\$185.00

F. W. Flett

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RALPH WESTON,
Contractor,
Cardston, Alberta

January 27, 1941

ESTIMATE FOR WORK ON NEW WELL AT ST. MARY'S SCHOOL:

To dig out hole 9x12x8 ft. deep

To put in cribbing and concret walls 10" thick and 6" reinforced concrete roof and 6" concret floor, with base about 4 ft. square for pump stand, with man-hole in roof.

Roof to have steel-reinforced rods 1 ft. apart both ways.

To dig drain trench to present sewar drain in boiler room.

This work I will undertake to do for \$300.00.

Digging	\$40.00
Cribbing labor.....	\$20.00
Pouring cement.....	\$25.00
Cutting concrete wall.....	\$35.00
Cement	\$91.00
Gravel-hauling	\$54.00
Shiplap.....	\$12.00
Roof lumber.....	\$ 8.00
100 ft. reinforced steel...	\$10.00
Galvanized top for man-hole	\$ 5.00

Total.....\$300.00

Ralph Weston

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Cardston Motors, Limited

Exide Batteries - FORD CARS - Alemite Station

WE SERVICE ALL CARS

CARDSTON - ALBERTA

Jan 31 1941

St. Mary's R.C. School
Cardston Alberta.

Gentlemen,

We are pleased to submit the following quotation for the electrical installation in connection with the proposed water pumping system. We have assumed that you will provide concrete or wood base on which to mount motor. It will also be necessary for you to arrange for three phase current to be supplied if this type of installation is selected as building is at present supplied with single phase current only.

<u>Three Phase</u>		<u>Single Phase</u>	
<u>Motor</u>		<u>Motor</u>	
Westinghouse, Standard, General purpose, 5 H.P., Squirrel cage, Normal starting torque, Normal starting current, 60 cycle, 220 volt, 1800 R.P.M.....	\$91.30	Westinghouse Ball Bearing, Type C.R. Repulsion start, Induction run, 5 H.P. 110 - 220 V. 1800 R.P.M.	\$191.50
Base.....	7.70	Base.....	11.00
<u>Linestarter</u>		Linestarter Westinghouse..	21.84
Westinghouse # 11-200 including separate push buttons.....	21.84	Branch Circuit Switch.....	6.80
Branch Circuit Switch.....	7.00	Wiring material and labor for complete installation as shown in accompanying sketch.....	49.50
Wiring material and labor for complete installation as shown in accompanying sketch.....	45.00	Grooved pulleys for motor and counter shaft and V belts.....	60.00
Grooved pulleys for motor and counter shaft and V belts.....	60.00	Total.....	<u>\$340.64</u>
Total.....	<u>\$232.84</u>		

Above prices include 8% sales tax and are subject to change if new taxes apply to any items listed.

Very truly yours
CARDSTON MOTORS LTD.

Per... *J. S. Shaw*

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OFFICE OF THE
INDIAN AGENT

CANADA
DEPARTMENT
OF
MINES AND RESOURCES
INDIAN AFFAIRS BRANCH

PLEASE QUOTE
FILE 402-R.C.

Blood Indian Agency
Cardston
February 2nd 1941



Sir:-

Re Blood R C School Well

I beg to advise that on the 27th inst. I received a call by telephone from Mr C.P. Schmidt Inspector of Indian Agencies Calgary, advising me that he had returned to the Office, after being under the Doctor's care for a week, asking me to come to Calgary along with Father Charron of the Blood School Cardston, and Mr Joe Maughan Well Driller Lethbridge. I left the Agency along with the above parties and arrived at the Calgary Office at 11 oclock on the morning of the 28th January. During the 28th and 29th of January we went into all the details regarding the drilling of a new Well, and the following are the prices received regarding the drilling of the new Well which is now in progress, with a detail of work considered to complete the project.

DRILLING OF WELL

As mentioned in previous correspondence the price quoted by Mr Joe Maughan for drilling of \$1.50 per foot was agreed to. The casing caused considerable time to decide on as the 6-5/8 casing previously mentioned in recent letters was not procurable, and the price of this casing if it had been possible to get it had increased to about \$2.00 per foot owing to War price increase. After considerable time had been spent 6" Line Casing was located at the price of \$1.82 per foot F.O.B. Calgary, the moving of this piping from Calgary to Macleod was taken care of by the firm supplying the casing, and will be included on their account when received; It was also found necessary to have a shoe made to force the casing down the well, and 2 extra collars to connect short lengths of pipe, needed when the well is at the lower levels. The shoe costs \$20.00, and the extra collars \$1.75 each, and will all be included in the Account from Wilkinson & Mc Clean of Calgary who received the contract. The question of a Gravel Screen was taken up, and it was found that this would have to be made by A G Cooke of Lawrenceburg Indiana U.S.A. Mr Maughan wrote to him at the Calgary Office advising him to be prepared to make the necessary screen when samples from the bottom of the well had been taken out and shipped to him by express, from Coutts, so as to save any delay, the cost of this Screen is unknown at present until the screen has been made; Mr Maughan has undertaken to have this come to him and he will release same from the Customs, and the cost of the screen will appear on his account when sent in.

Secretary
Indian Affairs Branch
Dept Mines & Resources
Ottawa

Indian Affairs. School Files.
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DRILLING OF WELL (contd)

There will also be a charge of approximately \$50.00 by Mr Maughan for the placing of the screen in the bottom of the well when completed, owing to the necessity of raising the casing to sink the screen in place. Attention has been paid to the Department's request for samples and sacks have been obtained and samples have been kept of the soil formation in the well and will be forwarded to Ottawa as requested. The purchase of a Working Barrel cylinder will be reported on under Cost of changing water pipe connections.

CONSTRUCTION OF PIT.

If drilling is successful and water in sufficient quantities is available, there will then be the digging of the pit and the enclosing of the pit with concrete walls, this pit will connect with the present Boiler Room of the School. This will cause the digging out of a pit 12' X 12' or 12' X 9' where the well is drilled, the cutting of a doorway from the Boiler Room to the pit through a 16" concrete wall, enclosing of the pit with concrete walls, laying of a concrete floor, and the building of a reinforced concrete roof with a manhole in centre to allow of the pulling of the pump when necessary. The manhole to be covered with a zinc top to stop any leakage into pit. Gravel for this work has to be hauled a distance of 25 miles. This estimate from a local contractor R Weston Cardston. is complete for this work and amounts to the sum of \$300.00, with an addition of \$10.00 if the pit is extended from 12' X 9' to 12' X 12'.

CONNECTING PIPES.

This item covers the cutting of pipes and connecting pump to the main water line which runs to the Water tower, the installation of all valves and check valves and laying of drain pipe to run any overflow to the nearest trap. \$85.00 of this estimate covers the purchase and attaching a new Working Barrel Cylinder to the pump, and is done on the advice of Mr Fetterly of the Dominion Water Branch, and Mr Maughan who recommend against the putting in of the old Working Barrel., into a new well. The present working Barrel has been in the well since 1933 and may at any time perforate as the brass is badly worn. This article has also to be purchased in the United States, but will be taken care of by the local plumber at the price quoted. I might state that in previous correspondence the price of \$50.00 was quoted but this price was taken from the cost of a working barrel purchased in 1933, this work has been placed in the hands of Mr Flett of Cardston at the quotation of \$185.00.

MOTOR ATTACHMENTS & MOTOR.

Prices on this work were taken on both the Single Phase and the three phase system of lighting connections. As the prices received showed the single phase motor quoted at almost double the price of the Three phase motor, and the single phase motor very difficult to procure, it was decided to do any purchasing on the basis of the Three Phase. This involved the changing of the single phase now in use from the Calgary Power Co to a three phase system, however when visiting the Calgary Power Co in regard to the change, we were advise that this change would not cost the Department any expense the Power Co making the necessary change, and adding a monthly service charge extra to the Blood School of \$2.00 per month which was agreed to by Father Charron. As will be seen by the quotations enclosed, the prices received from the Canadian Firms,

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Motor & Motor attachments.

Canadian Firms, Canadian Westinghouse & General Electric, were the same, and as the Wilkinson & McClean quoted on a motor the name of which was not mentioned, although slightly less we understood repairs would be hard to get for it, it was decided to pace this work with Cardston Motors who were the only party to make a bid for the installation, and who would use the Canadian Westinghouse Motor. This bid amounts to the sum of \$163.94 covering the purchase of Motor, switches, and installation.

Belting.

The purchase of a pulley, and belting V Type I have been advised will be approximately \$75.00, however the Cardston Motors are making enquiries as to whether the pulley wanted is available, and will inform me as soon as possible. If this letter has not been mailed by the time I receive, I will quote the exact price when received. This will be installed by the Cardston Motors of Cardston.

APPROXIMATE COST OF WELL (as known) on basis of 240 feet.
Building of Pit and necessary connections.

Joe Maughan	Drilling	240/1.50		\$360.00
Wilkinson & McClean	Casing	240/1.82	436.80	
	Shoe		20.00	
	Collars	2/1.75	3.50	
	Freight	Calgary to Macleod	39.00	499.30
R Weston	Completion of Pit.			300.00
F W Flett	Changing Pipe connections		100.00	
	Working Barrel		85.00	185.00
Cardston Motors.	3 Phase 5H.P Motor			
	220 Volts 1800H.P. Motor		91.30	
	Base		7.70	
			7.00	
	Push Button starter		21.84	
	Wiring material & Labor		36.10	163.94
Joe Maughan	Raising Pump and Installing screen when made			50.00
Joe Maughan	Purchase and shipping of Cook Gravel Screen from Lawrenceburg Indiana and releasing from Customs		
Cardston Motors	Supplying pulley & V Belting. & Labor.			68.90

The following bids were received in connection with the casing and motors receive a copy of these bids will be enclosed in this letter.

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68.90
1627.14

Bids on Casing

6" Standard Black Pipe Lapweld
20 foot lengths standard couplings.

Wilkinson & Mc Clean	1.82 per foot.
Bell & Morris (None on hand)	1.8481 per foot.

Quotations on Motors.

Wilkinson & Mc Clean (Name of motor not quoted)		
	Single Phase	\$230.75
	Three Phase	96.20
Canadian Westinghouse.	Westinghouse.	
	Single Phase	\$210.90
	Three Phase	108.45
Canadian General Electric		
	Single Phase	\$210.90
	Three Phase	108.45

Quotations on Working Barrel

Mc Pherson & Thom	4 X 36 Ball Valves	\$99.00
Metals Limited.	4 X 36 Ball Valves	\$75.00
F.O.B. Calgary.	4 X 42 Ball Valves.	\$79.75
F W Flett	4 X 36 Ball Valve (Installed)	85.00

I am also enclosing sketch of location of new well in respect to the present well, and the School, also sketch of pit and location of entrance from Boiler room. The pit will be heated from the Boiler Room.

May I state that we took every precaution to locate the best prices for available equipment, and as Inspector Schmidt who accompanied us on the visits to the different Firms was with us against Doctor's orders, and immediately on the completion of the work on hand was ordered back to bed I have taken over the writing of the report of our operations to date, in regard to equipment and labor necessary to complete the new well. At the present time the Driller is down 150 feet, and I will make a further report if water is not located around the 200 foot level.

I trust the Department will acquiesce in the action taken up to the present time.

Your Obedient Servant.

Anthony M. Millan
Clerk in Charge.

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MONEY TRANSFERRED
BY TELEGRAPH

CANADIAN PACIFIC TELEGRAPHS

DIRECT CONNECTION WITH
POSTAL TELEGRAPHS - COMMERCIAL CABLES
IMPERIAL CABLES - CANADIAN MARCONI

STANDARD TIME

C.D. 11
This is a full-rate Telegram or Cablegram unless otherwise indicated by signal in the check or in the address.

TELEGRAM		CABLEGRAM	
FULL RATE		FULL RATE	
DAY LETTER	DL	CODE	COE
NIGHT LETTER	NL	DEFERRED	LG
NIGHT TELEGRAM	NM	NIGHT CABLE LETTER	NLT

W. D. NEIL, GENERAL MANAGER OF
COMMUNICATIONS, MONTREAL.

RNA147 25 DL

CARDSTON ALTA 7 197A

R A HOEY

DEPT OF INDIAN AFFAIRS OTTAWA

WELL TEST CONTINUING PUMPING 15 GALLONS WATER AND LARGE AMOUNT
SAND PER MINUTE HOPE SCREEN ORDERED STOP SAND SENDING SOIL STRATA
OTTAWA AND CALGARY

P A CHARRON



1941 FEB 7 PM 1 25

2410



Indian Affairs. School Files.
(RG 10, Volume 6344, File 750-5, part 5)

PUBLIC ARCHIVES
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CANADA

103-2-5

Ottawa,
February 8, 1941.

AIR MAIL

Dear Sir:

I am in receipt of your letter of the 2nd instant with reference to the digging of the well at the Blood Residential School. I understand from your letter that you are only securing the equipment that is absolutely necessary and that you are obtaining this at as reasonable a price as possible.

I am also in receipt of a telegram from the Rev. Principal in which he states that there is a large amount of sand in the water that is being pumped. The Department trusts that every endeavour will be made to obtain the screen and have it installed at the earliest possible date.

Yours truly,

R.A. Hoey,
Supt. of Welfare & Training.

Mr. A. McMillan,
In Charge Indian Agency,
Cardston, Alta.

Indian Affairs. School Files.
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103-2-5

OFFICE OF THE
INDIAN AGENT

CANADA
DEPARTMENT
OF
MINES AND RESOURCES
INDIAN AFFAIRS BRANCH

PLEASE QUOTE
FILE 402-11R C.

Blood Indian Agency
Cardston
February 7th 1941



Sir:-

Blood R C Well.

I beg to make the following report on the above well, which has been drilling during the past week and has now struck a good flow of water.

In co-operation with Father Charron I have kept in touch with this well during the past week, and having been advised by the Father that he has been in telegraphic communication with the Officials of our Department regularly, I have not communicated with the Dept since the well was started to save overlapping.

After striking a small flow of water just below the 200 foot level, the well was drilled further and the dept of 206 feet a good flow of water was secured, at 2.30 P.M. on Wednesday the 25th inst a 24 hour test of the well was started, and after running at the rate of 15 Gallons per minute, for 6 or 7 Hours, it was decided to make connections with the Water tower as the water was running fairly clear and the well was shut down for a few minutes, during this time the fine sand which had been pumped with the water settled in the top of the working barrel, the pump was pulled and it was found that two of the pump rods had been broken in trying to work the working barrel. However when the well was checked we found that only a foot of sand was in the bottom of the well, so samples of the sand formation were immediately taken, and Father Charron air mailed them from Browning Montana so as to expedite the return of the ~~Gravel~~ screen from Indiana. I went to Lethbridge to arrange for the immediate release of same when the ~~Gravel~~ Screen arrived in Lethbridge. We are satisfied that the flow of water is the best they have had at the School, and hope that with the screen installed that this will give a very satisfactory well. It is our intention when completing the well to put the Pump tubing and piping to the bottom of the well, so as to keep the Screen from filling up with sand. No extra work as the digging of the pit and the installing of the motors will be done until the screen has been installed and the well tested on 24 hour run.

I will advise further when the ~~Gravel~~ screen has been put in place and the test made.

Your Obedient Servant

Anthony McMillan
Clerk in Charge

Secretary
Indian Affairs Branch
Dept of Mines & Resources
Ottawa.

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103 - 2 - 5

EXTRACT
ORIGINAL ON
75-103

File

Blood Indian Agency
Cardston, Feb. 3rd 1941.

Sir:

I have the honor to submit herewith
Report for the month of January 1941, together with
copy of Diary for the same month.

x x x

Schools:

Considerable time has been put in at the Blood
School in connection with the well at this School. Arrangements
were made to drill a new well during the month, and this now in
progress the depth drilled at the end of the month being 150
feet. It is hoped early in the next month to procure water.
The children who were sent home from School owing to the
shortage of water are still at home.

x x x

The Secretary,
Indian Affairs Branch
Ottawa.

Anthony McMillan
Clerk in Charge.

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CANADA



103-2-5

Missionnaires Oblats de Marie Immaculée
Administration Provinciale

9915-110e Ave
Edmonton -- Alberta

[Signature]
Mr. R. A. Hoey,
Department of Indian Affairs,
Ottawa, Ont.



8 février, 1941

19

Dear Mr. Hoey:

I have just received your last letter and thank you for the interest you are taking in this question. I realize the seriousness of this question and hope that the decision to be taken will be the proper one.

I wish likewise to thank you for the prompt and thorough attention given to the problem of water at the Cardston School. They have found water at 200 feet that rose to about 20 feet from the surface. I trust this will turn out well.

Yours Sincerely,

R. Roussin omi.

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INSPECTOR OF INDIAN AGENCIES



CANADA

DEPARTMENT
OF
MINES AND RESOURCES



INDIAN AFFAIRS BRANCH

402-11A. R.C.

AIR MAIL.

Calgary, February 17, 1941.

Dear Mr. Hoey:

I have for acknowledgment your No. 103-2-5 of the 28th ultimo, re the Blood R. C. School well. I must first ask to be excused for not having replied sooner: I beg to say that the reason for this was that I was confined to my home, and for the greater part of the time to my bed, being quite sick. I returned to the office on the 13th instant, feeling better, but still somewhat weak and subject to head-aches.

I can appreciate your feeling disturbed when receiving letters from outsiders which led you to think that there was unnecessary delay in starting drilling on the new well: Taking everything into consideration from this end, however, I do not think there was any undue delay.

I was sick in bed when the contents of your letter of the 17th ultimo, received at this office on the 20th, were made known to me. -- May I be allowed to remark that I was in doubt as to whether this was an authority to proceed with the sinking of a new well, as it also asked what the cost of other work in connection with a new well would be. -- I immediately asked Miss Blanchfield to write and wire the Department asking that someone from the Dominion Water and Power Bureau be put in charge of the well. A reply to this was received by wire on the 24th ultimo; Father Charron was informed at once, and work on the new well (drilling) was commenced on Monday, January 27th.

I asked Rev. Father Charron, Mr. A. McMillan, Clerk in Charge, and Mr. Maughan, the well driller, to come to Calgary on the 28th, ultimo, which they did.

The 6 5/8" casing recommended by Mr. Maughan, which was to cost \$1.50 per foot, could not be procured; (this size is not now manufactured). I therefore ordered full 6" lined pipe, at a cost of \$1.82 per foot; also a new shoe -- \$20.00; and extra collars at \$1.75 each. These were sent out immediately.

We also discussed and obtained prices on a new electric motor to operate the pump; also the excavating, &c., of a pit to house same. These matters were reported to the Department by Mr. McMillan, at my request.

Mr. P.A. Fetterly of the Dominion Water and Power Bureau was with us on the 28th ultimo, and gave us some pointers on certain matters. I had tried to contact him several times: before; twice before going to the Blood Reserve on the 9th of January, and again after my return; but was unsuccessful, as he was out of the city.

As regards the pupils having been sent back to their homes: This was done before I was informed that the water supply at the school had failed; and I think it was the proper

R. A. Hoey, Esq.,
Supt. Welfare & Training,
Indian Affairs Branch,
Dept. of Mines & Resources,
O T T A W A .

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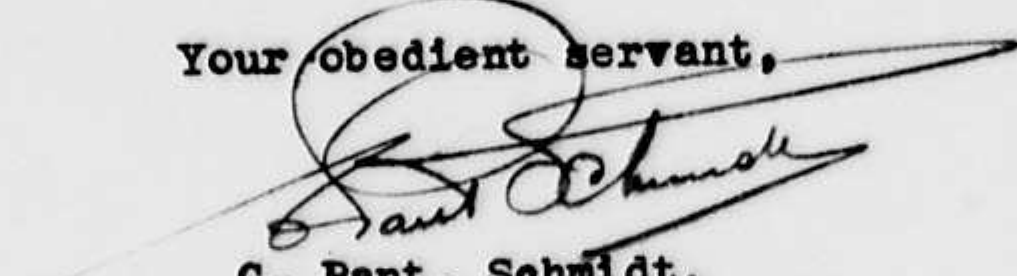
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- 2 -

thing to do, as it would have been most risky and unsafe to keep them in the building without a proper water supply, in case of fire. Also, should the sewers have become blocked, and sickness broken out, we would have been in a terrible predicament. -- As regards the weather having been inclement, I do not wish to contradict anyone: However, I must say that according to old residents of Southern Alberta, the winter of 1940-41 has so far been the mildest ever known to them, and so far has been without a storm or blizzard.

I trust the above explanation will satisfy the Director and yourself, and that you will agree that there was no undue delay and everything was done to expedite the sinking of the new well.

Your obedient servant,


C. Pant. Schmidt,
Inspector of Indian Agencies,
Alberta Inspectorate.

Indian Affairs. School Files.
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POOR COPY

OFFICE OF THE
INDIAN AGENT

CANADA
DEPARTMENT
OF
MINES AND RESOURCES
INDIAN AFFAIRS BRANCH

PLEASE QUOTE
FILE 102-11R.C.

Blood Indian Agency
Cardston
February 17th 1941



Sir:-

Blood R.C. School Well

I beg to advise further to my letter of the 7th inst, the following is a complete report to date of the work done on this well.

After striking a good flow of water at the depth of 206', and testing the flow for 6 hours after which the pump rods broke, after they had been fixed and pumping started over again, it was found that a large quantity of sand was passing through the pump and increasing all the time. The sand turned out to be quick sand and although the sample had been sent to Cooke Screen Co Indiana to have a screen made it was felt that unless the large flow of sand could be controlled the screen when installed would gradually fill up and clog the screen.

While awaiting the delivery of the screen numerous tests were made to see if the well had cleared of the sand and on February 14th after consultation with Father Charron we decided to drill the well deeper to try and locate water in the Limestone, this was done and the well was lowered to 245 feet, and we have now a fine flow of water without showing of sand. The well screen has arrived in Lethbridge and will be installed tomorrow, if the well shows no sign of sand, and the flow after the test is satisfactory, every effort will be made to have the pit dug and the pump room fixed up, pipe connections made and the Motor installed, with as little delay as possible.

I understand Father Charron intends to reopen School as soon as possible, and as connections are being temporary made to the Tower he hopes to have the Children back in School at the end of this week.

In authorizing the deepening of the well I did this for the benefit of trying to fulfill the Department's request to expedite the finding of water for this School, and trust you will concur in the extra drilling authorized.

A further report along with the Vouchers will be forwarded on completion of this well.

Your Obedient Servant

Secretary;
Indian Affairs Branch
Dept of Mines & Resources
Ottawa.

Anthony McMillan
Clerk in Charge.

Indian Affairs. School Files.
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CANADA

103-2-5

Ottawa,
February 25, 1941.


EXD.

Dear Sir:

I am in receipt of your letter of the 17th instant reporting on the work done in connection with the new well at the Blood Residential School. It is noted that this well has been drilled to a depth of 245' and that there is apparently no sign of sand. Your action in deepening the well is approved.

Yours truly,

R.A. Hoey,
Supt. of Welfare & Training.


Mr. A. McMillan,
In Charge Indian Agency,
Cardston, Alta.

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File

103 - 2 - 5

EXTRACT
ORIGINAL ON

75-103

Blood Indian Agency
Cardston
March 2nd 1941.

Sir:

I have the honor to submit herewith Report
for the month of February 1941, together with copy of
Diary for the same month.

x x x

SCHOOLS:

During the week end of Sunday 22nd February
most of the School Children returned to Blood R.C. School,
as the well having been deepened to 245 feet a good supply of
water was obtained and after putting the Gravel Screen in
place temporary connections were made and the Tower was filled
so as to be able to carry the water needed while the pit was
being dug and the pump room cemented in. No inspection was
made at this School as they had not been completely organized
by the end of the month.

x x x

Anthony McMillan
Clerk in Charge.

The Secretary,
Indian Affairs Branch
Ottawa.

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February 28th, 1941.

Dept. of Mines & Resources,
Blood Indian Agency,
Cardston, Alta.

In Account with J.P. Maughan,
C/o Canadian Bank of Commerce,
Lethbridge, Alta.

Jan. 6th/41

To Cleaning out well at Blood R.C. School	\$100.00	
To Repairs for pump.		
Packing from Consumers Hardware Co.		
Receipt attached.	3.00	
Stuffing box sleeve and new brass		
piston made by Lethbridge Iron		
Works. Receipt attached	13.00	
Labor extra on above, 4 days,	<u>9.00</u>	
		<u>25.00</u>
		\$125.00

J. P. Maughan

Indian Affairs. School Files.
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PAY TO J.P. MAUGHAN.

ADDRESS.....C/O CANADIAN BANK OF COMMERCE.....

LETHBRIDGE.

ALFA

**THIS SPACE FOR
TREASURY ONLY**

CHEQUE NO.

DATE

VOTE	AGENCY
------	--------

ALLOT.	E. R.	AMOUNT
--------	-------	--------

TOTAL

EXAMINED AND FOUND CORRECT

DATE _____

[illegible]

I HEREBY CERTIFY that this Voucher is correct, that the material has been supplied, the work performed and that the charges are fair and just, also that the expenditure has been incurred legitimately and that each item of the same is a fair and just charge against the Government of Canada.

FORM No. I.A. 506

R. 142

VOUCHER No.....404.....

DATE.....March 7th, 1941.

Agents

Indian Affairs. School Files.
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OFFICE OF THE
INDIAN AGENT



CANADA
DEPARTMENT
OF
MINES AND RESOURCES
INDIAN AFFAIRS BRANCH

PLEASE QUOTE
FILE 402-11R.C.

103-25
Blood Indian Agency,
Cardston, Alta., March 7th, 1941.

Sir:-

I beg to submit herewith Voucher No. 404, amounting to \$125.00, in favour of J.P. Maughan, Lethbridge, Alta., for cleaning out the old well at the Blood R.C. School. This was authorized by Department in letter No. 103-2-5, dated December 30th, 1940.

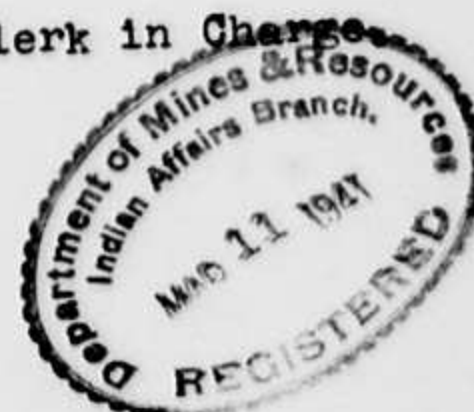
The sum of \$100.00 is for the cleaning of the well, and the additional amount charged for repairs and extra labour as Mr. Maughan spent four days after cleaning out the well attempting to remove the sand in the well, and the amount of \$9.00 for labour is satisfactory to him.

Your obedient servant,

Anthony M. McIlroy

The Secretary,
Indian Affairs Branch,
Department of Mines & Resources,
Ottawa, Ont.

Clerk in Charge



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February 28th, 1941.

Dept. Mines & Resources,
Blood Indian Agency,
Cardston, Alta.

In Account With; J.P. Maughan,
C/o Canadian Bank of Commerce,
Lethbridge, Alta.

To Drilling new well at the Blood R.C. School.

245 Ft. drilling @ 1.50	367.50
Well test of 24 hours at 206' level @ 1.50	36.00
Well test of 12 hrs. at 245' level before installing gravel screen @ 1.50	18.00
Well test of 12 hrs. after installing gravel screen @ 1.50	18.00
Installing gravel screen in well as per arrangement	50.00
Extra 2 pieces 5" casing, totalling 23 feet, threaded to suit gravel screen, @ 1.25 per ft.	28.75
Cutting and threading joint of 6" standard pipe	3.00
Making hook and welding to pipe to lower the gravel screen	2.00
Machining and threading a plug to fit connections from wooden rod to cylinder.	2.25
	<u>2.25</u>
	\$525.50

J. P. Maughan

Indian Affairs. School Files.
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CANADA

PAY TO J. P. HAUGHAN.

ADDRESS C/O CANADIAN BANK OF COMMERCE

LETHBRIDGE

ALTA

**THIS SPACE FOR
TREASURY ONLY**

CHEQUE NO.

DATE

VOTE		AGENCY	
ALLOT.	E. R.	AMOUNT	

TOTAL		
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EXAMINED AND FOUND CORRECT

DATE _____

DATE 1941	SERVICE	AMOUNT
Feb. 28	To Drilling on new well at the Flood B.C. Indian Residential School as per statement attached.	\$525.50
VOTE 76	13-421	
AUTHORITY:	Letter No. 103-2-5, dated Jan. 17, 1941.	
<p style="text-align: center;">DUPLICATE FOR FILE Voucher in duplicate detached for Department of work</p>		
TOTAL		\$525.50

I HEREBY CERTIFY that this Voucher is correct, that the material has been supplied, the work performed and that the charges are fair and just, also that the expenditure has been incurred legitimately and that each item of the same is a fair and just charge against the Government of Canada.

FORM No. I.A. 506

R. 142

VOUCHER No...405.....

DATE March 7th, 1941.

Anthony McMillan Agent

Agent

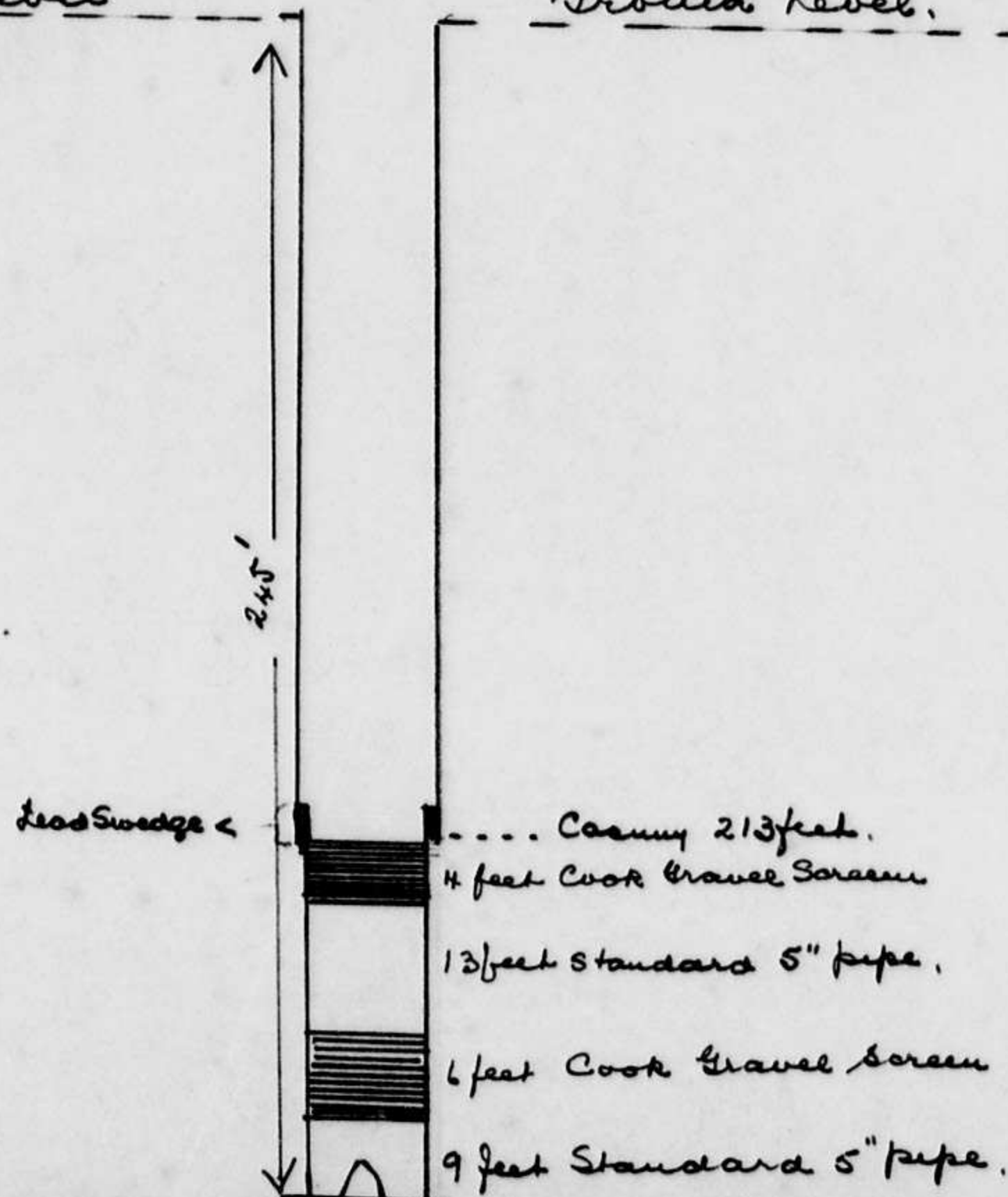
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INSTALLATION OF GRAVEL SCREEN

Ground Level

Ground Level.



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LOG OF WELL DRILLED AT R C SCHOOL
JANUARY 1941

FEET	QUALITY.
0 to 60 feet	Yellow Clay
60-to100 "	Blue Gumbo Clay Open Hole.
100 "	A few inches gravel, a little seep of water run casing because hole caved.
100 to 200Feet	Gumbo clay with little ribs of sand (Dry) at different depths. At 197 feet a harder rib of Gumbo
200 to 206 "	Almost straight sand, water showed up at 203 feet, water raised to 37' from the surface By Bailing at the rate of 15 gallons per minute the water level was 60 feet from surface.
206 to 211	Sand
211 to 213	Shale, Ribs of sandy shale a few inches thick with showings of water.
213 to 233 Feet	shale chocolate colour.
233 to 238 Feet	Sand Rock lots of water
238 to 240 Feet	Brown Shale.
240 tp 245 Feet	Sand Rock. Water stands 40 feet from surface.

Copy of Log as made Mr J P Maughan
Well Driller, original held at Agency
Office.

Anthony N. Millay

Indian Affairs. School Files.
(RG 10, Volume 6344, File 750-5, part 5)

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