

16
130-7-~~6~~

[Handwritten signature]

Ottawa, May 11, 1925.

Sirs,-

[Handwritten initials]

I beg to acknowledge the receipt of your tender for the furnishing of the Air Compressor for the Indian Residential School at McIntosh, Ont., and regret to advise you that it could not be accepted, on account of not being the lowest.

Your obedient servant,

[Handwritten signature]

J. D. McLean,
Asst. Deputy and Secretary.

(Also to,-
All other Firms
asked to tender,
See file.)

The Holden Company, Ltd.,
350-356 St. James Street,
Montreal, Que.

[Handwritten signature]

Indian Affairs. (RG 10, Volume 6221, file 472-16, part 2)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

" COPY "

PACIFIC COAST PIPE CO. LIMITED

Vancouver, B.C., 2nd May, 1925.

C. H. Attwood, Esq.,
District Chief Engineer,
Dominion Water Power Service,
Winnipeg, Man.

Dear Sir,

Attention Mr. Craig - File B.4995-M.

We have your favour of the 29th ult. with reference to Wood Pipe for McIntosh, Ont., and note that the quantity has now been reduced from 450' to 330'.

We take pleasure in quoting as follows:-

330', 36" Continuous Wood Stave Pipe, with staves made from 2" dry Fir, finished $1\frac{1}{2}$ " , together with $\frac{1}{2}$ " round mild steel bands and shoes,

@ \$3.10 per ft., f.o.b. McIntosh, Ont., OR
@ \$2.15 per ft., f.o.b. Vancouver, B.C.

(Sales Tax not included; we understand this would not apply in your case)

Price for Creosoting would be ... 70¢ pr.ft.extra.

You will note this price is higher than the previous estimate, but this is entirely due to adjusting the smaller quantity to the minimum freight. The actual weight of this stave material is 17200#, and in figuring a delivered price the cheapest freight rate we can take is the 10th Class, 30,000# minimum, @ \$1.04, - or \$312.00 - which accounts for the higher delivered price.

We do not know whether there is any possibility of other lumber being ordered for the same point; if so, this price would be materially reduced; possibly you can advise us further on this point.

With reference to Creosoting. We most strongly recommend it for a pipe of this nature working under a low pressure. With creosoted staves you will get many years of service from this pipe. Our price for creosoting is based on being able to include this small quantity in another Retort charge, and should you decide to favour us with your order, we would like to be advised as soon as possible, so that the material could be manufactured and set aside to await a favourable opportunity for creosoting, and in this way there would be no delay when shipment was required.

In our previous letter we gave an estimated cost of 79¢ pr.ft. for erecting, and at the same time pointed out we could supply one of our superintendents at a rate of \$10. per day and expenses. We frequently have one or more of our men at different points in Eastern Canada, or might have one on his way East, and could arrange a stop-over for a few days to assemble this Pipe: in this way you would be put to a minimum of expense.

Indian Affairs. (RG 10, Volume 6221, file 472-16, part 2)

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- 2 -

We hope you will find this quotation attractive
and that we may be favoured with your order.

Yours very truly,

PACIFIC COAST PIPE CO. Ltd.,

Per... H. C. James.
Mgr.

P.S. This Pipe if laid on the surface should be supported
on sills about 6' apart. These can be more cheaply
obtained near the work, and should be about 4" x 4"
or 6" x 6" with a chock or block spiked at each
side against the Pipe.

Indian Affairs. (RG 10, Volume 6221, file 472-16, part 2)

PUBLIC ARCHIVES
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" C O P Y "

CANADIAN PIPE COMPANY LIMITED

550 Pacific Street,
Vancouver, B.C.

May 4th, 1925.

Department of the Interior,
Water Power & Reclamation Service,
Winnipeg, Man.

Dear Sirs:

Attention C.H. Attwood, Chief Engineer.

We have yours of the 29th ult., re our quotation of Oct. 8th and now have pleasure in revising our figures as follows:

Complete material with exception of saddles for 330' of 36" Continuous Wood Stave Pipe for 18' head, @ \$2.88 @ \$950.00, f.o.b. McIntosh, Ont. (near Sioux Lookout) (per foot

Erection after distribution of material along site, \$200.00

If subject to sales tax this will be extra.

Return transportation for Building Inspector would be added and would be approximately \$175.00, or if material was ordered immediately we could arrange for our builder who is going East shortly to stop over and make this installation at minimum cost to you.

To give the staves a 20 minute bath in hot creosote will add \$75.00 to above figures.

To have staves pressure creosoted, 8# per cubic foot, will add \$310.00 to above figures.

This material will weigh approximately 20000# and as the cheapest way to ship is by minimum car of 40000# some six thousand feet of lumber could be enclosed at no extra cost for freight.

Trusting our price will prove attractive, and hoping to be of service, we are,

Yours very truly,

CANADIAN PIPE COMPANY, LTD.

By ... W. R. Hancock.

Indian Affairs. (RG 10, Volume 6221, file 472-16, part 2)

PUBLIC ARCHIVES
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" COPY "

Department of the Interior
Canada

File: B-4995-M.

DOMINION WATER POWER AND RECLAMATION SERVICE

Winnipeg, Manitoba,

May 9th, 1925.

Sir,

As requested in your letter of April 25th prices have been obtained for 330 feet of 36-inch continuous wood stave penstock for the McIntosh Indian School hydro-electric plant. These are as follows:

Canadian Pipe Company, Limited, Vancouver.

\$2.88 per foot F.O.B. McIntosh.
\$75.00 extra for a 20-minute bath of creosote, and
\$310.00 extra for pressure creosoting.

Pacific Coast Pipe Company, Limited, Vancouver.

\$3.10 per foot F.O.B. McIntosh.
.70 per foot extra for creosoting.

Ontario Wind Engine & Pump Co., Winnipeg.

\$3.45 per foot F.O.B. McIntosh.

The tenders from the Canadian Pipe Company and the Pacific Coast Pipe Company are enclosed. The price from the Ontario Wind Engine & Pump Company were obtained verbally from their Winnipeg representative.

The Canadian Pipe Company's quotation is the lowest and as they are a responsible and reliable firm I would suggest that their tender be accepted. With respect to creosoting the pipe no allowance was made for this in the estimate and if the Indian Department decides on one of the two methods the estimate will be increased by this additional cost. In their letter the Canadian Pipe Company state that as the pipe will only weigh 20,000 pounds and the minimum car rate is 40,000 pounds, some 6,000 feet of lumber could be shipped at the same time with no extra cost for freight. If the Indian Department consider it advisable to take advantage of this, 6000 feet of 1 x 6

J. T. Johnston, Esq.,
Director, Dom. Water Power & Reclamation,
Department of the Interior,
Ottawa, Ontario.

Indian Affairs. (RG 10, Volume 6221, file 472-16, part 2)

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CANADA

shiplap could be ordered as it will be required for the powerhouse and forms. This might be made up as follows. If the Indian Department desires B.C. fir sheeting both inside and out 4,000 feet of B.C. fir, 1 x 6 shiplap, could be ordered, the balance of 2,000 feet of spruce shiplap which will be required for the roof and for form work. The complete quantities of lumber required for McIntosh are now being prepared and will be forwarded within the next week.

Will you please have this order placed for immediate delivery and also advise the Canadian Pipe Company that we desire to have one of their men superintend the erection of the penstock if, as they state in their letter, a man is in the vicinity of McIntosh, and that the cost for these services will not exceed \$200.00. This erection can be proceeded with any time within the next 30 days, but it is necessary that we be advised by the Indian Department and also by the Canadian Pipe Company as to the approximate date of the arrival of the inspector on the job. We only desire to take advantage of the Pipe Company's offer to have one of their men erect the pipe if that man is in the vicinity of McIntosh, otherwise we can secure a man in Winnipeg to do this work.

I suggest that the Department of Indian Affairs when awarding the contract to the Canadian Pipe Company also notify the Pacific Coast Pipe Company that the contract for the pipe has been let.

Your obedient servant,

Sgd.... G. H. Attwood,
District Chief Engineer.

Indian Affairs. (RG 10, Volume 6221, file 472-16, part 2)

PUBLIC ARCHIVES
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CANADA

MFC/ZB

130-7-16

PLEASE ADDRESS YOUR REPLY TO
THE DIRECTOR OF
WATER POWER AND RECLAMATION
DEPARTMENT OF THE INTERIOR
OTTAWA, CANADA



DIRECTOR J. T. JOHNSTON, C.E., M.E.I.C.
ASST. DIRECTOR, G. S. SCOVIL, M.E.I.C.

R

PLEASE REFER TO ONE SUBJECT IN A
LETTER, AND IN YOUR REPLY QUOTE
FILE NO. 40103-W.

DEPARTMENT OF THE INTERIOR
CANADA
DOMINION WATER POWER AND RECLAMATION SERVICE

OTTAWA, ONT. May 13, 1925.

Mr. J. D. McLean



Sir,

Your file number: 130-7-16A.
Attention: Departmental Engineer.

Encl.

With reference to the power development now under way at the McIntosh Indian School, a letter has been received from Mr. Attwood in which prices are quoted for the wood stave penstock which have been obtained from the Canadian Pipe Company Limited, Pacific Coast Pipe Company, and the Ontario Wind Engine and Pump Company. Copy of Mr. Attwood's letter is enclosed herewith, together with copies of the offers submitted by the two former companies, that from the third company having been obtained verbally.

Mr. Attwood recommends the acceptance of the lowest tender, that of the Canadian Pipe Company, and I beg to draw your attention to the various recommendations contained in Mr. Attwood's letter, and shall be obliged if you will advise me as soon as possible regarding the decision of your Department.

Consideration should be given to the suggestion to ship six thousand feet of lumber along with the pipe in order to economize on freight charges.

Although it would involve a slight increase in the estimated cost, I would recommend that the penstock should be crescoted.

Your obedient servant,

J. T. Johnston,
Director,
Water Power and Reclamation.

J. T. Johnston

J. D. McLean, Esq.,
Department of Indian Affairs,
Ottawa.

Indian Affairs. (RG 10, Volume 6221, file 472-16, part 2)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

130-7-16

Copy for: J. D. McLean, Esq.,
Dept. of Indian Affairs,
Ottawa.

R

40103-W.

Mr. McLean
Winnipeg

May 12, 1925.

Attention, Departmental Engineer.

Sir,

Your file number: B-4995-M.

In further reference to your letter of April 21 regarding the power development at McIntosh, as stated in my letter of April 25 a copy of this letter was sent to the Indian Department and attention specially directed to the two questions which you asked. A reply dated April 30 has been received from that Department, a copy of which is attached.

Encl.

These two questions have also been discussed with the Departmental Engineer, and we are informed that as regards labour, the lay brothers will be used as far as they are available, and any additional labour required will be a matter for arrangement between the engineer in charge and the School Principal. The engineer in charge will also be expected to certify to all expenditures, including pay-lists. As the attached letter states, you will be required to provide building materials and all necessary tools and equipment.

The three blue prints mentioned in that letter of the machinery which has been ordered by the Indian Department are enclosed.

We have also been furnished with three letters addressed to the Indian Department from the Boving Hydraulic and Engineering Company. Two of these letters are dated May 2 and suggest certain changes in the turbine, the third dated May 5 suggests a change in the location of the power house, penstock and intake. Copies of these three letters and of the drawings accompanying them are enclosed herewith.

The Indian Department wishes you to take up the matters involved direct with the Boving Company and make the necessary decisions yourself.

For your guidance, I would suggest that the matter of providing an extension to the turbine shaft through the wall to allow for connecting the turbine with a saw, as suggested in the first letter of May 2, might be discussed with the School Principal. No money is available this year for building the wood-shed, but if you consider it desirable, it might be well to provide the shaft extension.

The question of a larger pulley for the turbine suggested in the other letter of May 2, should be taken up with the Lincoln Electric Company.

G. H. Attwood, Esq.,
231 Chambers of Commerce,
Winnipeg, Manitoba.

Indian Affairs. (RG 10, Volume 6221, file 472-16, part 2)

PUBLIC ARCHIVES
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CANADA

As regards the suggested change in the location of the power house as outlined in the letter of May 5, this appears to me to be reasonable, but the matter is left entirely to your own judgment. *

Your letter of the 9th instant with enclosures has been received and will be taken up immediately with the Indian Department.

Your obedient servant,

J. T. Johnston,
Director,
Water Power and Reclamation.

* It is assumed however that there has been some correspondence between the Bowing Co. and yourself which has prompted them to make this suggestion. We are not aware that this company has been officially asked to advise upon the layout.

Indian Affairs. (RG 10, Volume 6221, file 472-16, part 2)

PUBLIC ARCHIVES
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CANADA

Handwritten notes:
L. M. A. C. C.
W. M. L. P. C.



DEPARTMENT OF INDIAN AFFAIRS
CANADA

Ottawa, May 16, 1925.

MEMORANDUM:

Mr. Jean.

Competitive prices have been obtained by the District Engineer of the Dominion Water Power Branch at Winnipeg for the furnishing of a wood stave penstock for the Hydro electric plant now in course of construction at McIntosh. The prices submitted are as follows.

	f.o.b. McIntosh
Canadian Pipe Co. Ltd., Vancouver,	\$2.88 per foot.
Pacific Coats Pipe Co. Vancouver	\$3.10 per foot.
Ontario Wind Engine & Pump Co. Winnipeg.	\$3.45 per foot.

I beg to recommend that the order for this material be placed with the Canadian Pipe Co. of Vancouver, who have submitted the lowest quotations.

I would also recommend that an order be placed with this company for the furnishing of 6000 feet of lumber which can be shipped with the piping without extra cost for freight.

Handwritten note:
Award to lowest
and may order
6000 ft Lumber
to Jean
for Purchasing Agent

Handwritten signature:
J. A. C. C.

DEPARTMENTAL ENGINEER.

Indian Affairs. (RG 10, Volume 6221, file 472-16, part 2)

PUBLIC ARCHIVES
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CANADA

M. BERTRAM
PRESIDENT

130-7-16

R

E. SMYTHIES
VICE-PRESIDENT

THE LINCOLN ELECTRIC COMPANY OF CANADA, LIMITED

ALTERNATING AND DIRECT CURRENT MOTORS AND GENERATORS
PEERLESS SINGLE PHASE MOTORS COMPLETE ELECTRIC ARC WELDING PLANTS
SPOT & BUTT WELDERS WELDING SUPPLIES RAILWAY BONDS

DEPT. OF INDIAN AFFAIRS
MAY 16 1925
RECORDS

135 JOHN STREET

TORONTO May 16, 1925.

Immediate
Re: [unclear]
[Signature]

F. H. Paget, Esq.,
Accountant & Purchasing Agent,
Dept. of Indian Affairs,
Ottawa, Ontario.

Dear Sir:-

We have the honour to enclose herewith our invoice for \$580.00 for 17½ K.W. Generator ordered by you to be shipped to the Rev. Father Boyer, Principal McIntosh Indian Residential School, McIntosh Ontario. We are sending invoices in triplicate to Rev. Father Boyer together with the shipping receipt.

As McIntosh is not a Port of Entry it will be necessary for us to clear this shipment through the Customs in Toronto. We enclose herewith three copies of our invoice with the Customs declaration typed thereon in accordance with Sec. 696 of the Canadian Customs Tariff. We would ask you to sign this declaration and return two of these to us immediately as it will be necessary for us to produce these at the Customs Department here in order to obviate paying duty and tax.

Your obedient servants,

THE LINCOLN ELECTRIC CO. OF CANADA, LTD.

M. Bertram

MB/Mc.
Encl.

Indian Affairs. (RG 10, Volume 6221, file 472-16, part 2)

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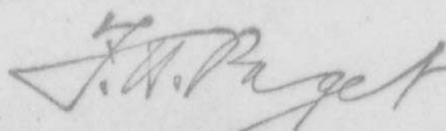
130-7-16 A

Ottawa, May 26th., 1925.

Dear Sir,-

Referring to your letter of the 16th instant, I beg to return herewith your invoice for \$580.00, certified as requested, for 17½ K.W. generator ordered for the McIntosh Indian Residential School.

Yours truly,



F.H. Paget
Chief Accountant and Purchasing
Agent.

The Lincoln Electric Company
of Canada Ltd.,
136 John St.,
Toronto, Ont.

Indian Affairs. (RG 10, Volume 6221, file 472-16, part 2)

PUBLIC ARCHIVES
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CANADA

NIGHT LETTER

Form N.L. 2-TW

Exclusive Connection with WESTERN UNION TELEGRAPH CO.

CANADIAN NATIONAL TELEGRAPHS

Cable Service to all the World Money Transferred by Telegraph

HEAD OFFICE, TORONTO, ONT. GEO. D. BERRY, VICE PRESIDENT AND GENERAL MANAGER

RECEIVER'S NO.

TIME FILED

CHECK

Send the following Night Letter, subject to the terms on back hereof, which are hereby agreed to

Ottawa, May 26th., 1925.

J.H. Simmons, Winnipeg, Man.

Regret payment of your account McIntosh dam delayed until further funds voted by Parliament, which it is expected will be early in June.

J.D. McLean

Charge Dept. Indian Affairs.



CLASS OF SERVICE	SYMBOL
Day Message	
Day Letter	Blue
Night Message	Nite
Night Letter	N.L.

If none of these three symbols appears after the check (number message) otherwise its checked by the symbol after the check.

CANADIAN NATIONAL TELEGRAM

Exclusive Connection with WESTERN UNION TELEGRAPH CO. Cable Service to all the World Money Transferred by Telegraph

HEAD OFFICE, TORONTO, ONT. W. G. BARBER, General Manager

RA135 12

WINNIPEG MAN 23 1012 A

R G DERNEY OAR

20c

DEPT OF INDIAN AFFAIRS OTTAWA ONT

CAN YOU RUSH VOUCHER FOR MCINTOSH DAM ACCOUNT WAS RENDERED

MARCH FIRST

J H SIMMONS.

USE OUR DIRECT ALL-CANADA SERVICE TO VANCOUVER, VICTORIA AND BRITISH COLUMBIA PORTS

Indian Affairs. (RG 10, Volume 6221, file 472-16, part 2)

PUBLIC ARCHIVES ARCHIVES PUBLIQUES CANADA

" C O P Y "

DEPARTMENT OF THE INTERIOR
Canada

Dominion Water Power and Reclamation Service.

Winnipeg, Manitoba,

May 19th, 1925.

Sir,

Re McIntosh Indian School.

This will acknowledge your letter of May 12th enclosing copy of a letter from the Department of Indian Affairs regarding the employment of labour and the purchase of the various materials and equipment required for the performance of the above mentioned work.

Last Tuesday and Wednesday I met Mr. Orr, Architect for the Department of Indian Affairs, at Kenora and travelled with him to Winnipeg. On Saturday Mr. Craig met Mr. Orr at McIntosh. While at McIntosh Mr. Craig freely discussed this work with Mr. Orr and also with the Reverend Father Beys, Superior of the Oblate Order, and Father Boyer.

With respect to carrying on this work by day labour conditions at McIntosh have changed entirely since last fall and Father Beys and Father Boyer both stated to Mr. Craig that they preferred to have the work done by contract or entirely under our charge, as at present there are no Lay Brothers available at McIntosh to carry on the works, Brother Gauthier having been transferred to other work. Upon being asked by Mr. Craig what instructions they had received with regard to carrying on this work by day labour both Father Beys and Father Boyer stated that the only instructions received were a copy of Mr. McLean's letter of April 30th as forwarded to me with your letter of May 12th.

Both Mr. Craig and myself have discussed the whole matter with Mr. Orr, who, while he has not been in touch with this work for some time, appreciated the unsatisfactory position which we were being placed in by the letter of instructions of April 30th, and upon his return to Ottawa would explain the conditions to the Deputy Minister of the Department of Indian Affairs and arrange for definite instructions for the performance of the work.

In view of the fact that the Lay Brothers at McIntosh are not anxious to carry out this work there are two methods of handling the work. The first is by contract, which will involve no purchase of plant and small tools or the hiring and payment of labour and have the advantage of the contractor's organization. The second is by day labour, carried out directly by this office. To do the work by day labour would involve renting a concrete mixer and the purchase of

J. P. Johnston, Esq.,
Director, Water Power & Reclamation,
Department of the Interior,
Ottawa, Ontario.

Indian Affairs. (RG 10, Volume 6221, file 472-16, part 2)

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small tools and equipment such as shovels, picks, sledges, drills, pails, rope, block and tackle, etc., etc. It is hardly feasible to rent the small tools mentioned above as certain portions of them would be used up in the work. Further, to employ labour would necessitate having the money available for prompt payment of wages when demanded. I am quite willing to undertake the work on either of the above methods, but prefer the contract method, but in the final adjustment of this with the Indian Department I would like to have a clear-cut understanding as to my responsibility in the matter. This I have asked Mr. Orr to take up with you personally.

Your obedient servant,

(Sgd) C..H. Attwood,
District Chief Engineer.

Indian Affairs. (RG 10, Volume 6221, file 472-16, part 2)

PUBLIC ARCHIVES
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CANADA

INVOICE 568

The CANADIAN BLOWER & FORGE CO. Ltd.
ENGINEERS and MANUFACTURERS

Kitchener, Ont., APR. 30-25.
(Date Shipped)

Our No. 3563/3

Your No. Let's April 1925

ENTERED APR. 14-25.

Sold By J.W.A.

Classification 303.

Sold to Rev. Father Boyer, Principal,
McIntosh Indian Residential School,
McIntosh, Ont. Province of
(Order from Dept. of Indian Affairs)

County of

Shipped to G.E.R. Freight prepaid (via station)
P.O.B. Kitchener. Freight allowed to McIntosh.

County of

Via Car No. & Initial

Terms 2/10 N/30 days.

NO.	PARTICULARS	PER LOT	TOTAL
1	only double suction 3" Class SA single stage horizontal split case centrifugal pump. Cap. 300 U.S. Gals, 154 ft. hd. Mounted on C.I. base, with outboard bearing & tight & loose pulleys, 9" dia. 5" face.	190.00	198.86
	Sales Tax 5% on 177.62	8.86	

Schools By

EXAMINED and
found correct.
Beau

Goods received in good condition
prices charged fair and just

Perrault

Recommended for Payment,
J. Perrault
Departmental Engineer

1886
paid July 15/25

SHOULD GOODS ARRIVE BROKEN OR IN DAMAGED CONDITION, CLAIM SHOULD BE MADE ON TRANSPORTATION COMPANY AT ONCE.
AS ALL GOODS LEAVING FACTORY ARE RECEIPTED FOR IN FIRST CLASS CONDITION.
UNLESS OTHERWISE SHOWN HEREON, THIS INVOICE IS NOT SUBJECT TO ANY FREIGHT ALLOWANCE.

Indian Affairs. (RG 10, Volume 6221, file 472-16, part 2)

PUBLIC ARCHIVES
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CANADA

STATEMENT

MADE IN

CANADA

THE CANADIAN



BLOWER & FORGE COMPANY LIMITED

KITCHENER April 30 1925.
ONT. CANADA

M Rev. Father Boyer,
Principal McIntosh Indian Residential School
McIntosh, Ont.

TERMS: NET 30 DAYS

INTEREST CHARGED AT THE RATE OF 7% ON OVERDUE ACCOUNTS.

DR
APR 30 1925

1925

Paid

Goods received in good condition
prices charged fair and just

E. Perrault

Indian Affairs. (RG 10, Volume 6221, file 472-16, part 2)

PUBLIC ARCHIVES
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CANADA

R 130.7-16 R

Boving Hydraulic & Engineering Co. Limited

HEAD OFFICE WORKS

TURBINE WATER WHEELS & GOVERNORS
TURBINE PUMPS
PULP & PAPER MACHINERY
HYDRAULIC PRESSES
CRUDE OIL ENGINES
PIPE LINES, CONDENSERS
TACHOMETERS
JOHNSON-BOVING PATENT VALVES
FLEXIBLE COUPLINGS, ETC. ETC.

REFERENCES

YOURS _____
OURS _____

PLEASE ADDRESS
YOUR REPLY TO

Hydraulic
DEPARTMENT

SUBJECT Turbine

DEPT. OF INDIAN AFFAIRS
MAY 26 1925
MAY 23rd 1925

Lindsay, Ont.

F. H. Paget, Esq., Chief Accountant & Purchasing Agent,
Department of Indian Affairs,
Ottawa, Canada.

Dear Sir:-

With reference to your Order for One Turbine with Governor the work on this material is now well in hand and we could make shipment within about two weeks from receipt of the information asked for in our letter of the 7th inst.

The information we are most urgently in need of is the size of the Pulley, whether we can make it 36" instead of 30", so as to get more fly wheel effect.

The shaft extension with bearing for same could be left to a later date and we will make the Turbine shaft with a 4" extension outside the bearing so as to enable you to couple on an extension at some later date.

We will supply this 4" extension without extra charge.

Yours very truly,

BOVING HYDRAULIC & ENGINEERING CO. LTD.

[Signature]
General Manager.

RAJ/ALC.

Indian Affairs. (RG 10, Volume 6221, file 472-16, part 2)

PUBLIC ARCHIVES
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CANADA

Ottawa, May 29, 1925.

Sir,-

Replying to your letter of the 22nd instant requesting some information with regard to the diameter of the pulley for the turbine purchased by this Department for the McIntosh Indian Residential School, I beg to inform you that the District Engineer of the Dominion Water Power Branch at Winnipeg has been instructed to send this information together with that mentioned in your recent communication directly to you.

Your obedient servant,

J. D. McLean.
Assistant Deputy and Secretary.

Boeing Hydraulic and Engineering Co.,
Lindsay, Ont.

Indian Affairs. (RG 10, Volume 6221, file 472-16, part 2)

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CANADA



130-7-16

DEPARTMENT OF INDIAN AFFAIRS
CANADA

Ottawa, May 27, 1925.

*Mr. Chas. B. ...
9. Oct*

MEMORANDUM:

Mr. Scott.

Arrangements were made with the Dominion Water Power Branch at the beginning of this month to proceed with the installation of a hydro electric power plant for the McIntosh Indian School, whereby the employment of labour was to be left to the charge of the Reverend Father Boyer, as it was his desire to employ some Lay Brothers on this work. I am advised today that the Lay Brothers on whom the Principal was depending have been transferred to another institution. It is, therefore, suggested by the District Chief Engineer at Winnipeg that the balance of the work be carried out by contract. The remaining work consists in the completion of the dam, the erection of a small power house, and the installation of the machinery already purchased.

If you approve of this suggestion I would recommend that competitive prices be obtained from contractors in Winnipeg.

*Note:
This has been
referred by the
to ...
19 25
P.S.*

REPT. OF INDIAN AFFAIRS
NO 1328
ARCHITECT.

[Signature]
DEPARTMENTAL ENGINEER.

Indian Affairs. (RG 10, Volume 6221, file 472-16, part 2)

PUBLIC ARCHIVES
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CANADA

130-7-16

Boving Hydraulic & Engineering Co. Limited



HEAD OFFICE & WORKS

TURBINE WATER WHEELS & GOVERNORS
TURBINE PUMPS
PULP & PAPER MACHINERY
HYDRAULIC PRESSES
CRUDE OIL ENGINES
PIPE LINES, CONDENSERS
TACHOMETERS
JOHNSON-BOVING PATENT VALVES
FLEXIBLE COUPLINGS, ETC. ETC.

REFERENCES

YOURS

OURS

Lindsay, Ont. June 4th, 1925.

PLEASE ADDRESS
YOUR REPLY TO:

Hydraulic

DEPARTMENT

SUBJECT McIntosh Indian School Turbine

Secretary Department of Indian Affairs,
Ottawa, Canada.

Dear Sir:-

We are in receipt of your letter of the 29th ult. and in this connection we beg to advise you that we have now received the information referred to from the District Engineer's Office.

Yours very truly,

BOVING HYDRAULIC & ENGINEERING CO. LTD.

EAJ/ALC.

[Signature]
General Manager.

Indian Affairs. (RG 10, Volume 6221, file 472-16, part 2)

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CANADA

B

Boving Hydraulic & Engineering Co. Limited

DEPARTMENTAL NUMBER

HEAD OFFICE & WORKS

TURBINE WATER WHEELS & GOVERNORS
TURBINE PUMPS
PULP & PAPER MACHINERY
HYDRAULIC PRESSES
CRUDE OIL ENGINES
PIPE LINES, CONDENSERS
TACHOMETERS
JOHNSON-BOVING PATENT VALVES
FLEXIBLE COUPLINGS, ETC. ETC.

Lindsay, Ont. May 2nd, 1925.

REFERENCES

YOURS _____
OURS _____

PLEASE ADDRESS **Hydraulic**
YOUR REPLY TO _____
DEPARTMENT

SUBJECT **TURBINE**

F. H. Paget, Esq., Chief Accountant & Purchasing Agent,
Department of Indian Affairs,
Ottawa, Canada.

Dear Sir:-

With reference to the 30" x 9" Cast Iron Pulley included in our Tender No. 1514-A we propose making this with a heavy rim in order to improve the regulation.

With the same object in view we would propose making the pulley 36" in diameter and we presume that this would meet with no objections as the only difference would be a slightly larger pulley required on the Generator.

Kindly take this matter up with the Generator Manufacturers and also ask them to let us know about the fly wheel effect in the Generator.

The regulation will be better with more combined fly wheel effect in the driving pulley and the generator and there will be less tendency of the lights flickering.

Yours very truly,

BOVING HYDRAULIC & ENGINEERING CO. LTD.

EAJ/ALC.

[Signature]
General Manager.

Indian Affairs. (RG 10, Volume 6221, file 472-16, part 2)

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Boving Hydraulic & Engineering Co. Limited

HEAD OFFICE & WORKS

Lindsay, Ont. May 5th, 1925.

TURBINE WATER WHEELS & GOVERNORS
TURBINE PUMPS
PULP & PAPER MACHINERY
HYDRAULIC PRESSES
CRUDE OIL ENGINES
PIPE LINES, CONDENSERS
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JOHNSON-BOVING PATENT VALVES
FLEXIBLE COUPLINGS, ETC. ETC.

REFERENCES

YOURS _____

OURS _____

PLEASE ADDRESS
YOUR REPLY TO

Hydraulic

DEPARTMENT

SUBJECT: Macintosh Indian Residential
School Turbine.

F. H. Paget, Esq., Chief Accountant & Purchasing Agent,
Department of Indian Affairs,
Ottawa, Canada.

Dear Sir:-

We wrote you on the 30th ult. with reference to the length of the penstock but we find that upon looking through our Drawings that the Chief Engineer's Department of Winnipeg sent us a Map of the Power Site last year.

We have retraced this Map and indicated how we propose to locate the Power House, Penstock and the Intake and we enclose print as we presume that you are anxious to proceed with the excavations for the tail race as soon as possible.

You will find that we suggest locating the Power House so that the centre line of the tail race is 28' South and parallel with the South side of the dock. The inner end of the tail race would be 9' West of the West end of the dock.

As shown on our Blue Print W.T. 481 we propose to make the tail race 4' wide in the part that is excavated on land, beyond the shore line it could be broadened out so that you do not need to excavate deeper than to elevation 93.00 as indicated on the enclosed Blue Print.

You will find from this Blue Print that you will require about 370' of 36" wood stave penstock and there will also be required 2 steel

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F. H. Paget, Esq.

-2-

May 5th, 1925.

Whimbles as per the enclosed sketch, one for connection to the wheel pit and the curved pipe for connection to the intake, if you locate the latter as shown on the enclosed Blue Print.

Kindly let us have the information asked for in previous letters so that we may be able to complete the detail Drawings.

Yours very truly,

BOVING HYDRAULIC & ENGINEERING CO. LTD.

[Handwritten Signature]
General Manager.

EAJ/ALC.

Indian Affairs. (RG 10, Volume 6221, file 472-16, part 2)

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Boving Hydraulic & Engineering Co. Limited

HEAD OFFICE & WORKS

TURBINE WATER WHEELS & GOVERNORS
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FLEXIBLE COUPLINGS, ETC. ETC.

DEPARTMENTAL ENGINEER

Lindsay, Ont. May 2nd, 1925.

REFERENCES

YOURS _____
OURS _____

PLEASE ADDRESS
YOUR REPLY TO

Hydraulic

DEPARTMENT

SUBJECT Turbine

F. H. Paget, Esq., Chief Accountant & Purchasing Agent,
Department of Indian Affairs,
Ottawa, Canada.

Dear Sir:-

With further reference to your order for Turbine and Governor as per our Tender No. 1514-A we presume that part of this power will be used for cutting up wood and it occurs to us that it might be advantageous to extend the Turbine Shaft through the wall so as to avoid the cost of a Motor for this purpose.

We have indicated this suggestion in yellow lines on the enclosed Blue Print W.T. 481.

An alternative arrangement would, of course, be to have the pulley for the wood cutting saw in the Power House close to the Bearing and to carry the belt through slots in the wall but this arrangement would have the disadvantage that sawdust would be drawn into the Power House and would make it difficult to keep the Generator clean.

The cost of a 2" shaft extension with ring lubricated bearing and base plate would be \$39.00 f.o.b. Macintosh.

We are not offering a pulley for same as the size of this will depend on the pulley on the saw.

If this suggestion meets with your approval kindly let us

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F. H. Paget, Esq.

-2-

May 2nd, 1925.

have your instructions as soon as convenient.

Yours very truly,

BOVING HYDRAULIC & ENGINEERING CO. LTD.

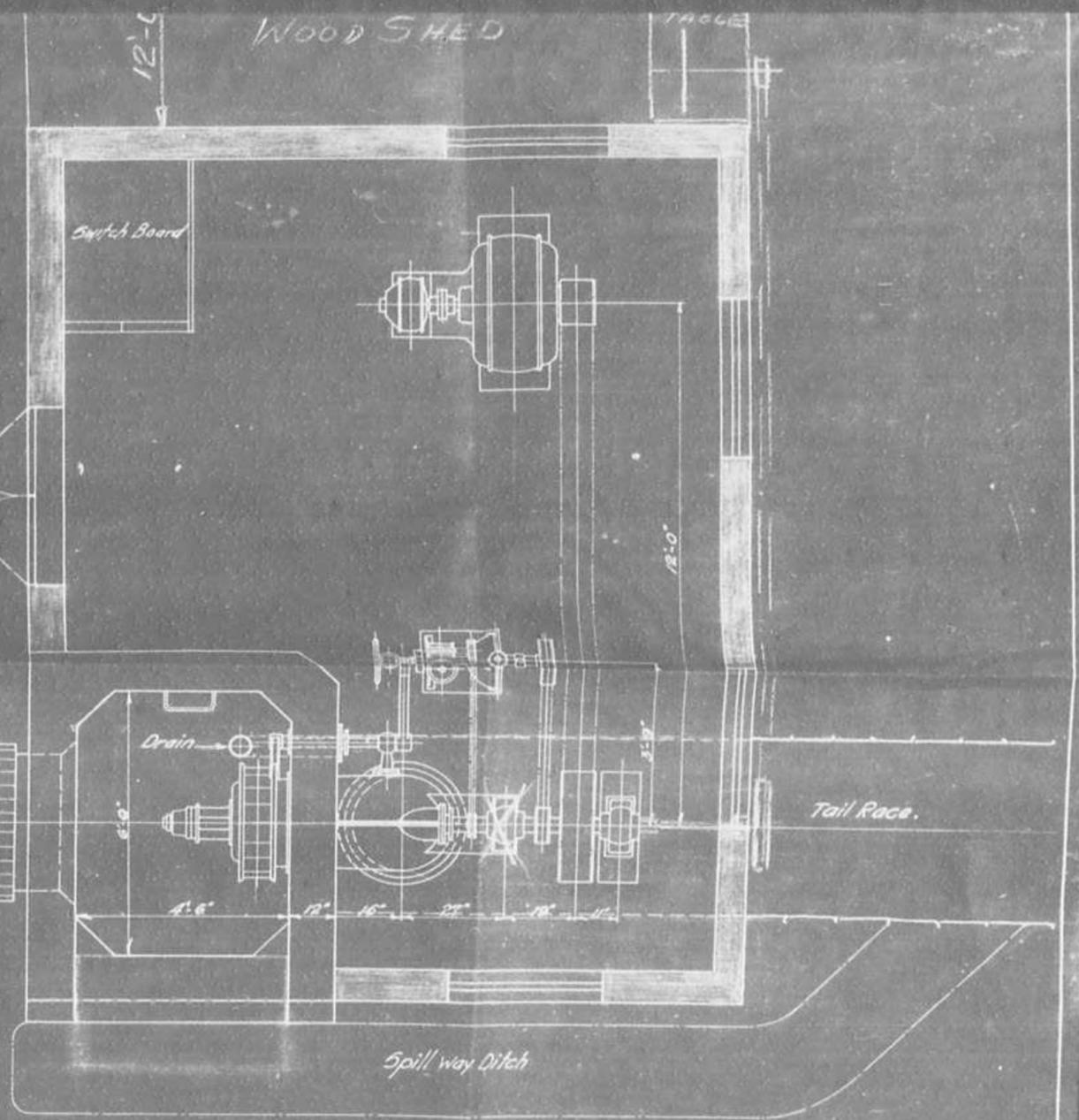
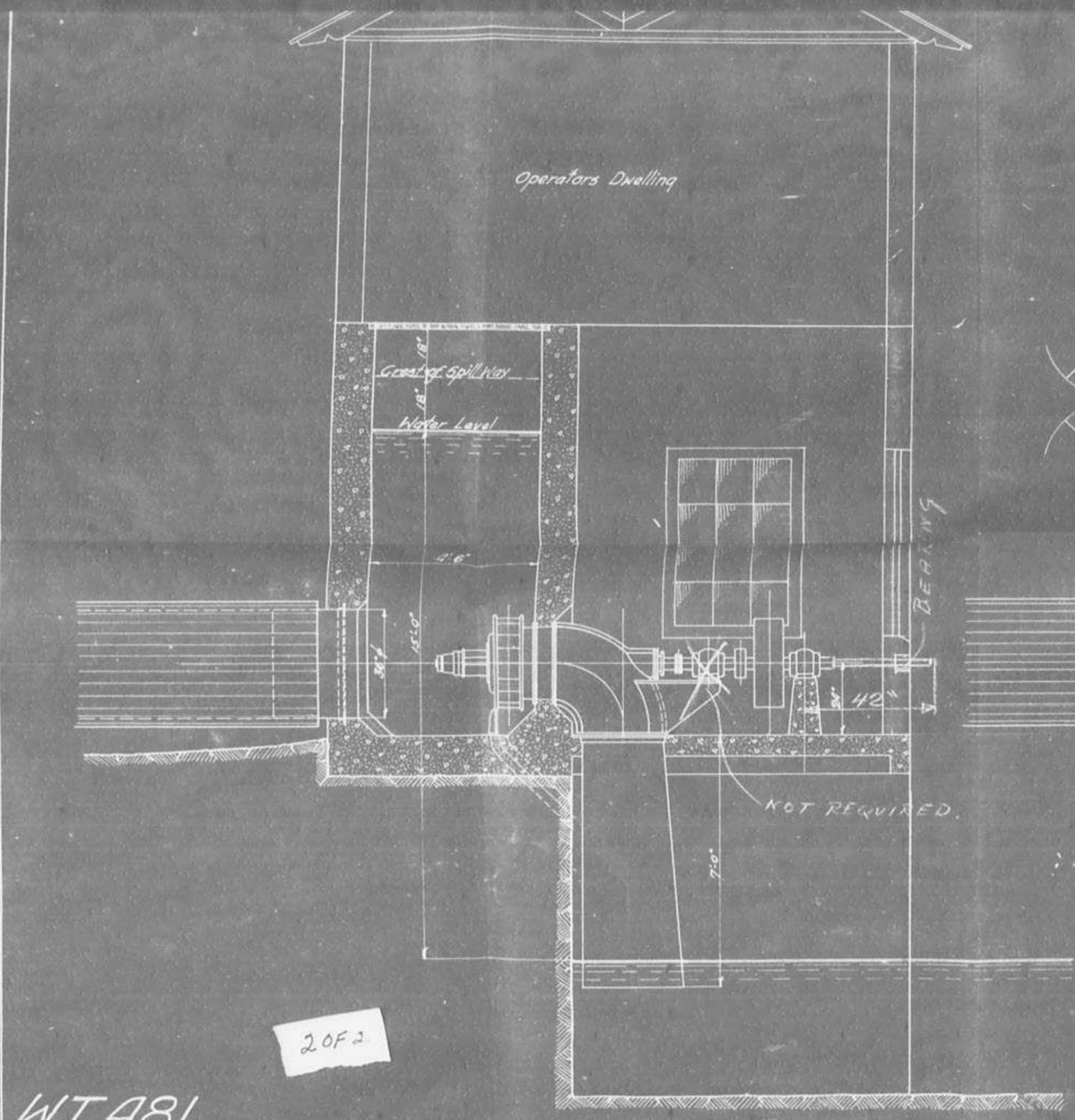
[Signature]
General Manager.

HAJ/ALC.

Enc.1.

Indian Affairs. (RG 10, Volume 6221, file 472-16, part 2)

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2 OF 2

W.T. 481.

SINGLE HORIZONTAL TURBINE IN OPEN FLUME.
 SCALE:- 1/2" = 12" BOVING HYDR. & ENG. Co. LIMITED.

" C O P Y " for Department of Indian Affairs.

Department of the Interior
Canada

File: B-4995-M.

DOMINION WATER POWER BRANCH

Winnipeg, Manitoba,
May 20, 1925.

Boving Hydraulic & Engineering Co.,
Hydraulic Department,
Lindsay, Ont.

Dear Sirs,

I am instructed under date of May 12th that you have received the order for the turbine and governor as per your Tender No. 15149 for installation at the McIntosh Indian School at McIntosh, Ontario. Copies of your letters of May 2nd and May 5th have been forwarded to me with instructions to take up with your Company direct the suggestions made in these letters.

With reference to your suggestion of extending the turbine shaft through the wall of the power house to operate a saw, as shown on the blue print WT 481, you will note from our blue print enclosed that a carpenter's shop is being provided above the power house and at present the extension for the saw is not considered necessary.

With reference to your letter of May 2nd suggesting that the drive pulley on the turbine shaft be changed from a 30" to a pulley 36" in diameter, this is quite agreeable, if in your opinion, after examining the new layout proposed, the larger pulley is still necessary to provide proper regulation. In our design of the power house layout the line shaft is designed to operate at turbine speed (450 r.p.m.)

With respect to your suggestion of May 5th regarding the position of the power house and the length of the penstock, I may say that this location had been considered but the present location on the island provided for a little cheaper construction and we were quite limited for funds.

I am enclosing a plan showing the general layout of the McIntosh development, and also a plan of the power house showing the installation of turbine, governor, generator, water pump, line shaft, etc. This plan supersedes the one you formerly received and provides for belt driven machinery.

Before proceeding with the construction of the power house building I would like to receive from you a complete installation drawing showing the details and position of the openings to be left in the floor and the wheel pit together with any bolt holes for the turbine and draft tube or the supporting pedestal for the turbine shaft. I would also like to be advised whether you would prefer to set the wall frame and draft tube foundation rings, if not, these will be set prior to the arrival of your man to install the turbine.

In the specifications it is stated that the unit shall be constructed for installation on steel foundation beams which must be provided by the Contractor. Are these foundation beams necessary with the open wheel pin type of installation? If so, please show the position of these beams together with size and dimension.

Yours truly,
(Sgd)... C. H. Attwood,

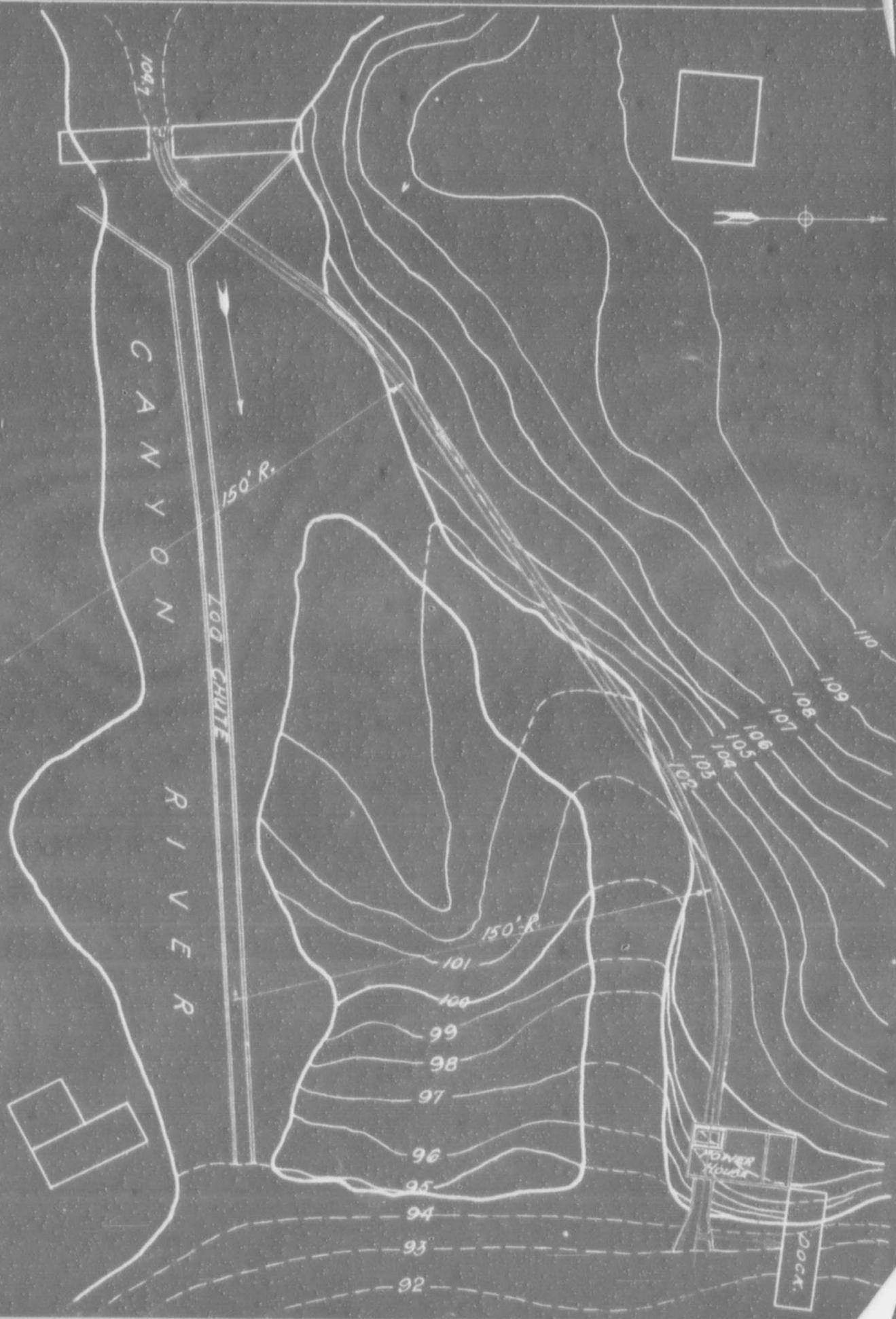
Encls.

District Chief Engineer.

Indian Affairs. (RG 10, Volume 6221, file 472-16, part 2)

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Mc. INTOSH INDIAN RESIDENTIAL SCHOOL
PROPOSED LOCATION OF POWER PLANT
SCALE: 1" = 40' BOVINGA HYDR. & ENGR. CO. LIMITED.



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