

CONCRETE

All concrete used in the construction of the above buildings shall be composed of the following ingredients proportioned by volume into what is known as a 1:2:4 mixture:

cement	1 part
fine aggregate	2 parts
coarse aggregate	4 parts
water	

CEMENT

The cement shall be a first-class Portland cement, of standard brand, free from lumps or foreign matter, and until it is used shall be stored in a building which will protect it from the weather.

FINE AGGREGATE

Fine aggregate shall consist of sand, crushed stone or gravel screenings; the particles shall be hard, dense and durable and such that they will pass through a 1/4 inch mesh screen. It shall be clean and free from soft particles, clay, loam and all organic matter; and it shall be so graded that when dry and well-shaken the voids will not exceed thirty percent.

COARSE AGGREGATE

Coarse aggregate shall consist of crushed stone or gravel having its smallest particles approximately 1/4 inch in diameter and its largest particles approximately 1 1/2 inches in diameter. It shall be graded from the smallest to the largest particles and shall be clean, hard, durable and free from all deleterious matter.

WATER

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WATER

Water used in mixing concrete shall be free from oil, ash, alkalies or organic matter.

MIXING

A mixer of the type which ensures the uniform proportioning of the materials throughout the mass shall be used for mixing the concrete and the mixing shall continue for at least one minute after all the ingredients are assembled in the mixer.

CONSISTENCY

The materials shall be mixed wet enough to produce a concrete of such consistency that it will flow sluggishly into the forms and about the metal reinforcements and which, at the same time, can be conveyed from the mixer to the forms without separation of the coarse aggregate from the mortar.

STEEL REINFORCEMENT

All steel reinforcement used shall be of medium hardness, free from excessive rust, scales or coating, and shall conform to the standard specifications for Concrete Reinforcement Bars of the American Society for testing materials.

SPLICING

No splicing of reinforcement bars will be allowed at points receiving stress; and all splices made are to be subject to the approval of the engineer and may be rejected by him at the contractor's expense, should he deem them to be unsatisfactory.

CEMENT PLASTER

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CEMENT PLASTER

Cement plaster used on the inside of the reservoir shall be mixed by weight in the following proportions:

Portland cement	1 part
sand	1 part.

It shall be applied uniformly so as to give a smooth finish and shall in no place be less than $3/32$ of an inch in thickness.

STEEL PIPE

All 8" diameter steel pipe called for in these specifications shall be standard 8" diameter bituminous-coated, burlap-wrapped steel pipe.

The pipes may be of random lengths, but their average length when taken over all shall not be less than 18'.

The pipes shall be straight and shall be true circles in cross-section with their inner and outer surfaces concentric.

They shall be smooth, free from dents, scales or lumps or any other defect which may unfit them for the purpose for which they are intended.

No plugging or filling will be allowed.

PIPE JOINTS FOR STEEL PIPE

All pipe joints for 8" diameter steel pipe shall be either standard hub and spigot lead-filled joints, or welded joints, as directed by the engineer, except where flanges are necessary to connect to flanged fittings.

LEAD-FILLED JOINTS

Each lead-filled joint, if used, shall contain a minimum of not less than $3/4$ of a pound of hemp yarn and $4\frac{1}{2}$ pounds of lead.

Joints shall be

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Joints shall be poured hot and finished in a workmanlike manner and so made that when they are completed they shall be capable of withstanding a pressure of 200 pounds per square inch.

WELDED JOINTS

Each welded joint, if used, shall be made by the oxy-weld process, and shall be what is known as the butt-welded, chamfered-end type.

They shall be so made as to leave a smooth surface on the inside of the pipe, and shall be subject to the approval of the engineer.

COATING AND WRAPPING OF JOINTS

All joints, either lead-filled or welded, shall, when finished, be coated with hot asphalt and burlap wrapped in such a manner that they shall have the same protection as the remainder of the pipe.

All coating and wrapping shall be subject to the approval of the engineer.

FLANGED JOINTS FOR STEEL PIPE

Where flanged joints are required to connect to flanged fittings, the pipe may be cut, threaded and standard cast-iron flanges fitted thereto.

CAST-IRON PIPE

All cast-iron pipe called for in these specifications shall be made of good quality cast-iron, strong, tough and of even grain, and free from all scales, lumps, blisters, blow-holes, sand-holes, etc.

They shall be

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They shall be connected together where necessary by standard cast-iron flanges, but other joints may be permitted, subject to the approval of the engineer.

VITRIFIED SEWER PIPE

All sewer pipe supplied by the contractor shall be standard salt-glazed vitrified sewer pipe, free from all blow-holes, scabs, blisters or fire-cracks.

Each section of the pipe shall be of uniform diameter, straight and not less than 24 inches in length, and provided with a hub at one end of sufficient width to leave a clear space all around between the spigot and the inside of the socket when the pipes are fitted together of not less than 1/2 an inch.

JOINTS FOR SEWER PIPE

All joints for 12" diameter sewer pipe shall be of the standard cement and gasket type and subject to the approval of the engineer.

LAND TILE

All land tile supplied by the contractor shall be standard 4" diameter land tile, and no section shall be more than 18 inches in length.

Each section shall be straight and of uniform diameter and free from all bad, holes, cracks, blisters, etc.

GRADE

All pipes shall be laid accurately to the required depth and on the required lines and grades called for in the plans accompanying these specifications and which will be staked out for the contractor by the engineer.

CAST-IRON FITTINGS

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CAST-IRON FITTINGS

All cast-iron fittings called for in these specifications, including all cast-iron tees, elbows, spigots, reducers, reducing tees, flanges, etc., shall be of good standard quality and capable of performing the work for which they are designed.

They shall conform in size to the standard dimensions for such fittings and shall be subject to rejection by the engineer should the quality for the purpose for which they are required.

GATE VALVES

All valves called for in these specifications shall be of good quality, iron-body, bronze-mounted valves equipped with non-rising stems.

Where extension rods are required, these shall be connected in a workmanlike manner, and such connections shall be subject to the approval of the engineer.

WATER RELIEF VALVES

All water relief valves called for in these specifications shall be good quality, iron-body, bronze-fitted relief valves of standard design.

They may be either 1 or 2 in number, and shall be of such dimensions as to be capable of relieving the pressure in 1200 lineal feet of 8" diameter water main when the pressure in this main exceeds 125 pounds per square inch; and the combined area of their outlets shall be sufficiently large to permit them to discharge water at the rate of 500 U. S. gallons per minute.

They shall be capable of adjustment and shall be free from all objectionable features, such as dripping, leaking, etc. when they are not performing the work for which they are required.

AIR RELIEF VALVES

Indian Affairs (RG 10 Volume 6448, file 882-5, part 5)

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AIR RELIEF VALVES

All air-relief valves called for in these specifications shall be of standard design, constructed of good quality brass, bronze or other material.

They shall be of such size as to be capable of removing the accumulated air from 2000 lineal feet of 8" diameter water main when this main is carrying a pressure of not more than 60 pounds per square inch.

They shall be capable of adjustment and so fitted that no leakage of water from the main shall take place when they are operating.

MANHOLE FRAMES AND COVERS

Manhole frames and covers shall be of good quality cast-iron of standard design and shall have a circular aperture when open of not less than 18" and not more than 20" in diameter.

Covers shall be required to fit snugly into the places for which they are provided and when in place shall present a neat and workmanlike appearance.

HYDRANTS

All hydrants supplied by the contractor shall be of standard design and of such dimensions as are called for in these specifications.

They shall be constructed of good quality iron and bronze fitted throughout.

Each hydrant shall be supplied with a drain valve in the base of the body so arranged that this drain valve shall be open when the hydrant is closed and closed when the hydrant is open.

They shall be

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They shall be flanged for connection to 4" diameter or 6" diameter flanged fittings as required, and shall be suitable for use in a 4' trench.

Hose outlets shall be 2 $\frac{1}{2}$ " in diameter, and threads on same shall be what is known as the City of Kamloops thread.

HYDRANT WRENCHES

Hydrant wrenches shall be of cast-iron or steel and of standard design.

GASKETS

Gaskets shall be of the required diameter, full-face and made from No. 27 gauge sheet copper.

BOLTS FOR CONNECTING FLANGES

All bolts used for connecting flanges shall be of steel of standard dimensions and not more than 1/8" smaller in diameter than the holes in the flanges through which they pass.

They shall be equipped with square heads and hexagon nuts and threaded so as to permit the nut to run the entire length of the thread.

NUTS

Nuts shall be hexagonal in shape and of sufficient thickness to ensure against stripping of threads.

PIPE COVERS

Pipe covers shall be of cast-iron and may be either flat or semi-spherical in shape.

They shall be of sufficient size to properly protect the opening in the pipe for which they are required and shall be so made that when they are in place they do not interfere with the entrance or exit of air into or from the pipe.

An approved method

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An approved method of fixing the pipe covers to the pipe so as to prevent their removal shall be devised and carried out by the contractor.

MISCELLANEOUS

All other miscellaneous fittings such as
galvanized iron screening,
doors for pump house,
windows for pump house,
locks, catches, hinges, etc.,

and other miscellaneous items of minor importance necessary to the installation of the above water supply system and not mentioned in detail in these specifications shall be supplied by the contractor and shall be subject to the approval of the engineer.

W O R K

EXCAVATION

All excavation necessary for the proper installation and construction of the above buildings and pipe shall be undertaken by the contractor and the contractor will be required to carry such excavation down to the grade lines or stakes, as set out on the ground by the engineer, notwithstanding any errors or omissions in, or resulting from changes to, the plans accompanying these specifications.

BACKFILLING

The contractor will be required to perform all backfilling upon all pipe, buildings, fittings, etc. as may be considered necessary by the engineer, but no backfilling shall be carried out during the absence of the engineer or before the engineer has had sufficient time to inspect the work upon which the backfilling is to be placed.

Work covered up

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Work covered up without due notice first having been given to the engineer shall be uncovered and re-covered at the contractor's expense.

PIPE LAYING AND TESTING

All 8" diameter steel pipe installed by the contractor shall, before backfilling is carried out or before the pipe is covered in any way, be subjected by the contractor to either an hydraulic or air pressure test in the presence of the engineer so as to ensure that all joints are tight and properly made. All leaks found at the time of the test shall be made tight by the contractor.

The pressure which the pipe will be required to carry during this test shall not be less than 200 pounds or more than 250 pounds per square inch.

STEEL REINFORCEMENT

CLEANING

Steel reinforcement before being placed shall be thoroughly cleaned of rust, scale and coatings of any character that will destroy or reduce the bond.

Reinforcement appreciably decreased in section shall be rejected.

BENDING

Reinforcement shall be carefully formed to the dimensions indicated in the plans accompanying these specifications.

The radius of bends shall be 4 or more times the least diameter of the reinforcement bar.

STRAIGHTENING

Metal reinforcement shall not be bent or straightened in a manner that will injure the material. Bars with kinks or sharp bends shall not be used.

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be used.

PLACING

Steel reinforcement shall be accurately placed and secured against displacement by using annealed iron wire of not less than No. 18 gauge, or suitable clips at intersections, and shall be supported by concrete or metal chairs or spacers or by metal hangers.

Parallel bars shall not be placed closer than $1\frac{1}{2}$ times the diameter of round bars.

The reinforcement shall be firmly and accurately placed so that the centre of the bars shall be the exact distance from the inside of the nearest forms as required by the plans accompanying these specifications, and so fixed that no sagging of the reinforcement against or away from the forms while the concrete is being poured can take place.

SPLICING

Splicing of tension reinforcement at points of maximum stress will not be allowed. Splices where required shall provide sufficient lap to transfer the strain between bars by bond and shear.

GENERAL

All other work in connection with the above installation is to be carried out by the contractor in such a manner and by such methods as will, in the opinion of the engineer, ensure a satisfactory quality of work.

Indian Affairs (RG 10 Volume 6448, file 882-5, part 5)

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P A R T 5.

SPECIAL CONDITIONS

In connection with the supply of material for the above installation, the following steel reinforcement and fittings, the property of the Department of Indian Affairs, are on hand at Kamloops:

- 1 12' length 4" dia. cast-iron pipe, flanged,
- 1 2½" dia. iron-body, bronze-mounted threaded gate valve, non-rising stem,
- 2 4" dia. iron-body, bronze-mounted flanged gate valves, non-rising stems,
- 1 18" dia. cast-iron manhole frame and cover,
- 1000 lbs. (approximately) ½" dia. round steel rods,

and it is hereby agreed that the contractor will accept from the Department of Indian Affairs the above steel and fittings for use in the above installation and will, upon their delivery to the contractor in good order, recompense the Department of Indian Affairs for same up to the amount of their full current market value.

1 Smith tilting drum, portable concrete mixer (3½ cu. ft. capacity) with 3tover gas engine, all in first-class condition, the property of the Department of Indian Affairs, is available at Kamloops. This mixer may be used by the contractor

without charge on

Indian Affairs (RG 10 Volume 6448, file 882-5, part 5)

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without charge on this work on receipt by the engineer of an agreement signed by the contractor to return the mixer in the same condition as when received, subject to allowance for reasonable wear. The decision of the engineer as to condition of the mixer at all times to be accepted as final.

COMMENCEMENT, PROSECUTION
AND COMPLETION OF WORK

Work shall be commenced by the contractor within 10 days and shall be completed within 60 days after the execution of the contract on behalf of the Department of Indian Affairs.

And the contractor further agrees to start operations on the construction of the pump house and intake well on the same date as the commencement of work, and to complete this portion of the work (pump house and intake well) within 30 days from the date of commencement so that same shall be available for the installation of machinery within 40 days from the date of the execution of his contract.

The contractor shall at all times during the continuation of the contract prosecute the work with such force and equipment as, in the judgment of the engineer, are sufficient to complete it within the specified time.

FAILURE TO COMPLETE THE WORK
IN THE TIME AGREED UPON

LIQUIDATED LIABILITIES

Should the contractor fail to complete the work or any part thereof in the time agreed upon in the contract, or in such extra time as may have been

allowed for delays

Indian Affairs (RG 10 Volume 6448, file 882-5, part 5)

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allowed for delays, a deduction of \$15.00 (Fifteen dollars) per day will be made for each and every day, including Sundays and holidays, that the work remains uncompleted after the date required for the completion.

The said amounts are hereby agreed upon by the contractor as being liquidated liabilities for loss to the Department of Indian Affairs on account of expenses incurred by the Department due to the employment of engineers, inspectors and other employees after the expiration of the time for completion and on account of the cost of operating the present pumping system, the additional fire hazard, etc., caused by delay on the part of the contractor, and the amount due the Department of Indian Affairs for these causes will be deducted from any money due the contractor under this contract.

Indian Affairs (RG 10 Volume 6448, file 882-5, part 5)

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154-0-5

Nov. 2, 1928.

To authorize acceptance of tender of the E.J. Ryan Contracting Company of Vancouver for \$12,691.00 for water supply system; and the tender of Messrs. Fernie Bros. of Kamloops for pumping unit, including pump and motor for \$3,100.00 for the Kamloops Indian Residential School, Kamloops Agency, B.C., pursuant to the requirements of Sub-section 2 of Section 36 of the Public Works Act.
Funds for this purpose are available from the appropriation for Indian Education.

Tom H.

Indian Affairs (RG 10 Volume 6448, file 882-5, part 5)

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Ottawa, November 2, 1928.

154-0-5

His Excellency

The Governor General in Council.

The undersigned has the honour to report that the Water Powers Branch of the Department of the Interior by public advertisement asked for tenders for the construction of the water supply system for the Kamloops Indian Residential School, in the Kamloops Indian Agency in the Province of British Columbia, upon plans and specifications prepared by the Branch. A schedule of the tenders received is attached hereto.

Mr. C.E. Webb, District Chief Engineer of the Water Powers Branch resident at Vancouver, recommends that the tender of the E.J. Ryan Contracting Company of Vancouver for \$12,691.00 for the water supply system; and the tender of Messrs. Fernie Brothers of Kamloops for the pumping unit, including the pump and motor for \$3,100.00 be accepted.

The Engineer of the Department of Indian Affairs has reported that the above tenders are fair and reasonable, and the undersigned has the honour to recommend that they be accepted pursuant to the requirements of Sub-section 2 of Section 36 of the Public Works Act. Funds for this purpose are available from the appropriation for Indian Education.

Superintendent General
of Indian Affairs.

Indian Affairs (RG 10 Volume 6448, file 882-5, part 5)

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Vancouver, B.C.

CHURCH, Kadlaga Indian Residential School Water Supply.

Oct. 8, 1928.

Plans
Not water supply including pipe lines,
excavations and foundations.

Not pumping unit including pump
and motor.

Parole Bros., Kadlaga.

.....

\$2,370.00 24/24" Worthington centrifugal pump,
50 H.P., Worthington motor.

Over & Son, Kadlaga.

\$15,700.00 Lead exhaust pipe (Page & Murray 4.2" or Stewart & Lloyd.)

.....

C. L. Vain, Kadlaga.

\$15,000.00 Exhaust pipe.

.....
\$2,500.00 Allis-Chalmers 4 x 3 Type S - III pump
C.O.B. 40 H. P. motor.

Kadlaga Plumbing and Heating Co.,
Kadlaga, B.C.

\$15,000.00 Stewart & Lloyd exhaust pipe.
\$15,000.00 Insurance exhaust pipe.

\$3,000.00 Worthington pump 24/24" 50 H.P.,
Worthington motor.

General Construction Co., Vancouver.

\$10,000.00 Hot specified.

\$3,700.00 20 level pump, 50 H.P., Worthington motor.

Frank Sanford, Vancouver.

.....

\$3,500.00 Ingersoll Type C.S. Pump, 50 H.P. Canadian
General Electric Motor.

Polytechnic-Thomas Co., Vancouver.

.....

\$2,500.00 6" Polytechnic Horse Pump, 40 H.P. Ball
bearing motor.

Frank Darling & Co., Vancouver.

.....

\$1,500.00 Motor & pump only. Darling Class B.
Horizontal Pump. Not installation.

H. J. Ryan Contracting Co., Vancouver.

\$12,000.00 Stewart & Lloyd exhaust pipe.

\$3,000.00 Hot specified.

G. C. Moore & Co., Vancouver.

\$15,000.00 Insurance exhaust pipe.
\$11,011.00 Tool store pipe.

\$3,700.00 2-stage pump Pollock-Silvers & Co. Ltd.
Horizontal 50 H.P. C.O. E. Motor.

A. Thomson, Vancouver.

Labour only for both proposals about \$6,000.00.

Indian Affairs (RG 10 Volume 6448, file 882-5, part 5)

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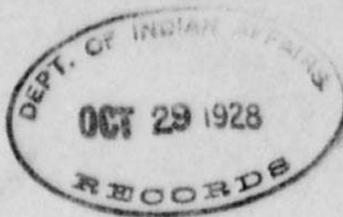
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154-0-5



CANADA

R



Letter No.....

Office of the..... **KAMLOOPS**..... Indian Agency,

[Handwritten signature]

October 23, 1928. 192.....

Sir,

I enclose herewith Vouchers Nos. **305-28**.....,

amounting to \$ **3.00**..... in favour

of **A.C. Taylor & Co., Kamloops, B.C.**.....

for **engrossing ink for use at Kamloops Residential School.**

This expenditure was authorized by Departmental

Letter No..... dated.....

[Handwritten signature]

Account sent to Kemp Print Works

Your obedient servant,

[Handwritten signature: James MacLeod]

Indian Agent.

The Secretary,
Department of Indian Affairs,
Ottawa.

Form No. 1

Indian Affairs (RG 10 Volume 6448, file 882-5, part 5)

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WINNIPEG

CALGARY

VANCOUVER

MONTREAL

154-0-5



STANLEY BROCK LIMITED.

R

Winnipeg, Oct. 27th, 1928.



File

Secretary,
Department of Indian Affairs,
Ottawa, Canada.

Dear Sir:- Att'n Mr. J. D. McLean, Ass't Deputy
and Secretary

Refer to No. 154-0-5

We want to thank you very much indeed for the order we have received this morning covering one only 30" x 42" Canadian Junior Drying Tumbler Motor Driven, for the Kamloops Indian Residential School.

This order will be given our very prompt attention and assuring you that we appreciate this business very much, we are,

Yours very truly,

WHB/H

STANLEY BROCK LIMITED.

Indian Affairs (RG 10 Volume 6448, file 882-5, part 5)

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154-0-5

DEPARTMENT OF INDIAN AFFAIRS
CANADA

Oct. 30, 1928.

MEMORANDUM:

Dr. Scott.

Upon your instructions competitive prices have been secured by the Dominion Water Power Branch at Kamloops for the construction of a water supply system for the Kamloops Indian Residential School. The tenders were obtained in the usual way by advertising in a Vancouver newspaper.

According to the District Engineer's report it is recommended that the contract for the construction of the water supply system, that is the pipe line, intake work and reservoir, be awarded to the firm of E. J. Ryan Contracting Co. of Vancouver, at their price of \$12,691.00, and that the contract for the pumping machinery be let to Messrs. Fernie Bros. of Kamloops for the sum of \$3,100.00. The above mentioned tenders were accepted on account of being the lowest which complied with the requirements of the plans and specifications. It is estimated that the total cost of the work will amount to \$17,000.00 owing to the fact that the fire fighting accessories are not included in the above mentioned contract and will have to be purchased direct by the Engineer in charge.

As the prices quoted are reasonable considering the extent of the work provided for, I beg to recommend that the necessary Order in Council be obtained confirming the awarding of these contracts, which have already been signed by both contractors and the District Chief Engineer on behalf of this Department.

Funds are available from the appropriation for Indian Education.

J. Stehene
DEPARTMENTAL ENGINEER.

Indian Affairs (RG 10 Volume 6448, file 882-5, part 5)

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154-0-5

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

MFC*ZB



DIRECTOR J. T. JOHNSTON, C.E., M.E.I.C.
ASST. DIRECTOR V. MEEK, B.Sc., M.E.I.C.

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

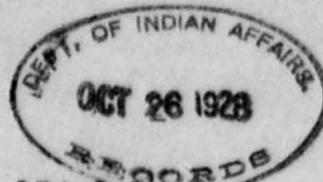
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DEPARTMENT OF THE INTERIOR
CANADA

DOMINION WATER POWER AND RECLAMATION SERVICE

OTTAWA, ONT., October 25, 1928.

R



Mr. Scott
Mr. Webb
Mr. Johnston

Sir,

Your file number: 154-0-5.

Encl.

In further reference to Dr. Scott's letter of the 12th instant regarding the water supply system at Kamloops residential school, I enclose herewith copy of a letter received from Mr. Webb, our District Chief Engineer at Vancouver, regarding the letting of contracts for this work. You will notice that the work has been divided into two parts, one covering the material for and the construction of the water supply system, and the other the material and machinery for and the installation of the pumping plant.

The contract for the water supply system has been let to the E.J. Ryan Contracting Company of Vancouver for \$12,691.00, and that for the pumping unit to Messrs. Fernie Brothers of Kamloops, for the sum of \$3100.00. In addition to these contracts, fire hose and accessories have to be provided, and including cost of advertising and supervision will bring the total cost to about \$17,000.00. Mr. Webb requests that he be supplied with the sum of \$17,000.00 to cover the cost of this work at your early convenience.

I am sending you herewith one copy each of the signed contracts and specifications, list of tenders and the advertisement for the information of the tenderers, which appeared in the Vancouver and Kamloops press.

The plans referred to in Mr. Webb's letter have not yet been received but they will be sent as soon as they are available.

Your obedient servant,

J. T. Johnston,
Director.

for Mr. F. C.

Mr. J.D. McLean,
Assistant Deputy and Secretary,
Department of Indian Affairs,
Ottawa.

Mr. Johnston recommended
Mr. Webb

Dr. Scott
Directs \$5000
advance

4663-5000.00
Johnston
to J. T. Johnston
Nov. 13/28

Indian Affairs (RG 10 Volume 6448, file 882-5, part 5)

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Department of the Interior
Canada

DOMINION WATER POWER AND RECLAMATION SERVICE

Vancouver, B.C.,
October 17, 1928.

Sir,

Re: Kamloops Indian School,
Domestic Water Supply.

In compliance with your authorization of August 25th for construction of water supply system for Kamloops Industrial School, in accordance with Mr. Tredcroft's report of August 20, 1925, tenders were called on September 26th for the carrying out of Mr. Tredcroft's proposals. Time for receipt of tenders was set for October 6th.

In drawing up tenders work to be contracted for was split in two units.

1. For the supply of material for, and construction of, water supply system.
2. For the supply of material and machinery for, and the installation of, a pumping unit.

A list of tenders received is appended herewith in duplicate.

Upon receipt of your telegram of the 12th inst. contracts were awarded as follows:-

1. Water supply system including pipe line, reservoir and intake, to E.J. Ryan Contracting Company for \$12,691.
2. Pumping unit including pump and motor to Fernie Brothers, Kamloops, for \$3100.

In the first instance the lowest tender was accepted which called for provision of satisfactory material.

The second contract was left on the recommendation of Mr. E.H. Tredcroft after careful study of the bids submitted.

I am also enclosing for your reference, in duplicate, the following records in connection with the letting of the contract.

1. Advertisement which appeared in Kamloops and Vancouver press.
2. Signed contracts and specifications.
3. Under separate cover set of plans Nos. 1, 2, 3, 4 and 5.
4. List of bids received.

In addition to the above work fire hose and accessories are to be provided and hose houses built. The cost of advertising and supervision must also be included which will bring the total cost to approximately \$17,000.00.

Your obedient servant,

(Sgd.) C. E. Webb,
District Chief Engineer.

J.T. Johnston, Esq., C.E.,
Director,
Dom. Water Power & Reclam. Service,
Department of the Interior,
Ottawa.

Indian Affairs (RG 10 Volume 6448, file 882-5, part 5)

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TENDERS, KAMLOOPS INDIAN RESIDENTIAL SCHOOL WATER SUPPLY

October 8, 1928.

Vancouver, B.C.

Firm	1st Water Supply Including pipe line, intake and re-servoir.	2nd Pumping Unit including Pump and motor.
Fernie Bros. Kamloops	.....	\$3100.00. 3L/95A Worthington Centrifugal Pump. 50 H.P. Westinghouse Motor.
Carr & Son, Kamloops	\$15,750. Lead calked pipe } \$15,600. Welded pipe } or Stewart & Lloyd	.....
C.L. Vain, Kamloops	.....	\$2934.00. Allis-Chalmers 4x3 Type S-HH pump C.C.E. 40 H.P. motor
Kamloops Plumbing & Heating Co. Kamloops	\$12,880. Stewart & Lloyd calked pipe. \$13,518. Mannesman Calked pipe	\$3098.00. Worthington pump 3L/95A 50 H.P. Westinghouse motor. \$3723.00. DeLaval pump. 50 H.P. Westinghouse motor.
General Construction Co. Vancouver.	\$13,870. Not specified	\$3592.00. Dayton-Dowd-Type C.S. Pump 50 H.P. Can Cenl. Elec. Motor
Frank Sawford, Vancouver	.....	\$2990.00. 4" Fairbanks Morse Pump 40 H.P. Ball Bearing Motor
Fairbanks-Morse Co., Vancouver	.....	\$1500.00. Motor & pump only. Darling Class B. Horizontal Pump. Not installation.
Frank Darling & Co., Vancouver	.....	\$3095.00. Not specified
E.J. Ryan Contracting Co. Vancouver.	\$12,691. Stewart & Lloyd calked pipe \$13,329. Mannesman Calked pipe \$11,811. Wood stave pipe	\$3784.00. 2-stage pump-Babcock-Wilcox & Goldie-McCulloch 50 H.P. C.G.E. motor
C.C. Moore & Co. Vancouver	.....
A. Thomason, Vancouver	Labour only for both proposals about \$6000.00.	

Indian Affairs (RG 10 Volume 6448, file 882-5, part 5)

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VANCOUVER DAILY PROVINCE. SEPT. 26. 1928.



SEALED TENDERS addressed to the undersigned and endorsed "Tender for Water Supply System" or "Tender for Pumping Unit" as the case may be, will be received at the office of the Dominion Water Power and Reclamation Service, Vancouver, B. C., until twelve o'clock noon.

SATURDAY, OCTOBER 6, 1928.
(1st) for the supply of material for, and the construction of a water supply system for the Indian Industrial School at Kamloops, B. C., which work will include the construction of one reinforced concrete reservoir (18,000 U. S. gallons capacity); one reinforced concrete pump house and intake well; and the installation of approximately 2750 lineal feet of 8-inch diameter steel water main, together with other miscellaneous fittings; and
(2nd) for the supply of material and machinery for, and the installation of, a pumping unit which work will include the supply and installation of one centrifugal pump (500 U. S. gallons per minute capacity); one 2200-volt induction motor; together with all other necessary equipment, such as starter, switches, fuses, wiring, etc., and including all valves, wrought-steel pipe and fittings necessary to connect the above pumping unit with the outside water main.

Detailed plans and specifications having reference to the above work may be obtained upon application at the offices of the Dominion Water Power and Reclamation Service, 515 Winch Building, Vancouver, B. C., and Federal Building, Kamloops, B. C.

Tenders should be submitted for each unit separately. The lowest or any tender not necessarily accepted.

C. E. WEBB,

District Chief Engineer.

Dominion Water Power and Reclamation Service, Department of the Interior, Vancouver, B. C.

Indian Affairs (RG 10 Volume 6448, file 882-5, part 5)

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CONTRACT

THIS AGREEMENT made the 15th day of October, 1928,

BETWEEN

E. J. RYAN CONTRACTING COMPANY, LIMITED,
of Vancouver, British Columbia,

hereinafter called "the Contractor",
of the First Part

And the

DEPARTMENT OF INDIAN AFFAIRS,

hereinafter called "the Department",
of the Second Part,

WITNESSETH AS FOLLOWS:-

1. In consideration of the covenants and agreements hereinafter contained and to be performed by the Department, the Contractor hereby covenants and agrees with the Department to do the following work, viz.:

Supply material for and construct a water supply system for the Indian Industrial School at Kamloops, British Columbia, which work will include the construction of one reinforced concrete reservoir, one reinforced concrete pump house and intake well and the installation of approximately two thousand seven hundred (2700) lineal feet of eight (8) inch diameter Stewart & Lloyd's lap welded, coated and wrapped steel water main with Patented inserted joint, together with other miscellaneous fittings, in a thorough and workmanlike manner and in every respect in strict accordance with the provisions of this agreement and plans numbered 1, 2, 3 and 4, respectively, and the Detailed Specifications and General Conditions of Contract hereunto annexed (and which for the purpose of identification have been signed by the Contractor and the Department and form a part of this Agreement as if embodied herein), and to commence such work within Five (5) days from the date of notification from the Engineer that the site for installation is available and shall be completed within ~~ten~~ ^{ten} days from the commencement of work. Provided that the Contractor shall not be required to commence work before November 15, 1928, unless satisfactory to the Contractor, or within any extended time allowed by the Engineer under these presents.

2. In consideration of the faithful performance by the Contractor of all and singular the covenants and agreements herein contained and to be performed by the Contractor, the Department hereby covenants and agrees with the Contractor to pay him for the

Indian Affairs (RG 10 Volume 6448, file 882-5, part 5)

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full completion by him of all work embraced in this agreement in the manner and within the time herein specified and limited for the completion thereof and subject as herein provided the amounts or at the unit rates mentioned in the Contractor's tender for the said work (copy of which tender is hereto annexed and for the purpose of identification has been signed by the Contractor and the Department and forms part of this Contract as if embodied herein) upon completion of work and in the manner and subject to the drawbacks and penalties mentioned in the Specifications. One progress estimate may be submitted for payment of labour and materials up to eighty-five (85) per cent after thirty days.

3. The term "work" or "works" in the said Specifications and Conditions shall, unless the context requires a different meaning, mean the whole of the works and materials, matters and things required to be done, furnished and performed by the Contractor under this Agreement.

4. The term "Engineer" in the said specifications shall mean the District Chief Engineer of the Dominion Water Power and Reclamation Service, Department of the Interior, and shall extend to and include any of his assistants acting for him under his instructions, and all instructions or directions or certificates given or made by anyone acting for him shall be subject to his approval, and may be cancelled, altered, modified and changed as to him may seem fit.

5. Wherever in this Agreement it is stipulated that anything shall be done or performed by either of the parties hereto, it shall be assumed that such party has thereby entered into a covenant with the other party to do or perform the same, and that such covenant is entered into only by, for and on behalf of the parties hereto, but is also entered into by and on behalf of their respective executors, administrators, successors and assigns, and whenever this Agreement is entered into by more than one person or party of the first part the word "Contractor" shall be read "Contractors" and the pronouns referring to the Contractor shall be read as plural, and whenever a corporation is the party of the first part the said pronouns shall be varied accordingly.

IN WITNESS WHEREOF the parties hereto have caused these presents to be executed.

Witness: *J. A. [Signature]*

E.J. RYAN CONTRACTING COMPANY, LTD.

Per

Witness: *J. Macpherson*

DEPARTMENT OF INDIAN AFFAIRS.

Per *[Signature]*

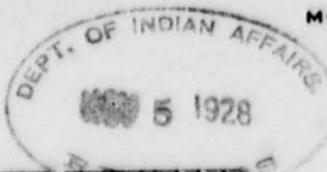
WINNIPEG

CALGARY

VANCOUVER

MONTREAL

154-0-5



STANLEY BROCK LIMITED.

*Amended
J.D. McLean
W.H.B.*

Winnipeg, Nov. 1st, 1928.

R

Department of Indian Affairs,
Ottawa, Canada.

Dear Sir:-

Att'n Mr. J.D. McLean,
Asst Deputy & Secretary

We have just received your wire reading as follows:

"PLEASE HOLD BACK SHIPMENT DRYING TUMBLER RECENTLY ORDERED FOR KAMLOOPS SCHOOL UNTIL FURTHER ADVISED"

Note from the above wire that you wish us to hold back shipment of Drying Tumbler recently ordered, until further advised. In this connection we might state that we ordered this by telegram from Toronto immediately we received your order because we had planned on shipping this Tumbler to Vancouver in a carload and then re-shipping to Kamloops.

When we quoted you on this Tumbler we gave you the benefit of the carload rate of freight and we are wondering if it would be all right to have this Tumbler go to Vancouver in our carload and hold it in Vancouver until it is required.

Hoping you will advise us immediately concerning this matter, we are,

Yours very truly,

WHB/H

STANLEY BROCK LIMITED.

W.H.B.

P.S. We take it from your wire that this shipment is to be held up for a short while and not cancelled.

W.H.B.

Indian Affairs (RG 10 Volume 6448, file 882-5, part 5)

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154-0-15

[Handwritten signature]

Nov. 6, 1928.

Sir,-

Replying to your letter of the 26th ultimo, with reference to the grading required at the boys' wing of the Kamloops School, I would ask you to please take this up with Mr. Hodgson, the Inspector of Construction, and ask him to submit a report and recommendation.

Your obedient servant,

[Handwritten signature]

J. De Maizeau
Assistant Deputy & Secretary.

[Handwritten signature]

Lt. Col. G.S. Pragnell,
P.O. Box 752,
Kamloops, B.C.

[Handwritten signature]

Indian Affairs (RG 10 Volume 6448, file 882-5, part 5)

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Phone 464
P.O. Box 748.

CARR & SON
PLUMBERS
Steam & Hot Water Fitters

365 Seymour St.,
Kamloops, B.C., October 22, 1928.

Rev. Father Duplanil,
City.

Dear Sir:-

We would agree to instal a Steam coil in the dry room of your Laundry, but find that the returns cannot go back to the boiler,, as it would mean that your coil would be water logged and would not heat. Therefore we are figuring on installing a high pressure return trap, and shall run the discharge into the sump or into the ingector barrel.

Our price for the above work would be One Hundred and Forty Dollars (\$140.00). This price includes all necessary valves and drips.

Yours truly,

Carr & Son.

Per F.W. Carr.

FWC/P

Indian Affairs (RG 10 Volume 6448, file 882-5, part 5)

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THE CANADIAN LAUNDRY MACHINERY CO., LIMITED.

Office and Factory
47-93 Sterling Road

TORONTO 3, Canada, September 22, 1928.

Kamloops Indian Residential School,
KAMLOOPS, B.C.

Gentlemen:-

As requested by our Representatives, Stanley-Brock,
Limited, Vancouver, we take pleasure in enclosing herewith
specification sheet covering the Wood Truck Dry Room, as
quoted you in September 17th.

Yours very truly,

The Canadian Laundry Machinery Co.,
Limited.,

Sales Desk #2.

M.
encl.
cc-Wpg.
Vcr.

Indian Affairs (RG 10 Volume 6448, file 882-5, part 5)

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