CAPTAIN B. H. FLOYD
Asst Quartermaster

Post Quartermaster's Office.

Fort Huachuca, Arizona. October 20th, 1884

The Chief Quartermaster,
Department of Arizona,
Prescott, A.T.,

— Thro' Commanding Officer Fort Huachuca —

Sir:

In compliance with your request by letter of Aug. 26th. last, I have the honor to forward herewith, in triplicate, new estimate of articles required for the extinguishing of fires, in connection with the water supply at this post.

The progress made on the water works has so far advanced that the supplying of the post with water from the upper spring is an accomplished fact. Water is now introduced into all the buildings at the post, and the water-works furnish the supply required by families and the troops.

At present only one basin of reservoir is completed, — water was let into it on the 28th. ultimo, for the first time.

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USFH-00000536

The other basin of reservoir will be completed in about a week.

A wall two feet high and four feet thick is built around each basin, as a foundation for roof, and to keep out cattle &c. A roof is already demonstrated to be necessary to insure the cleanliness of the water after it reaches the reservoir, and to prevent the reservoir being used as a washing pond for dogs, and other animals, and also to prevent substances being thrown into it. A roof, with lattice work ventilation on the sides supporting it, will also insure a temperature in the water of several degrees lower than if uncovered. An estimate of the materials required to construct a roof, with plan, are enclosed herewith.

Upon experimenting with a piece of hose and a nozzle borrowed from Tombstone it was found that with only four feet of water in the reservoir, a stream was thrown fifty feet above any of the buildings at the post.

The spring at present yields a plenty of water

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USFH-00000537

but should more be required, there is another spring, thirty or forty yards from the one now supplying the catch basin, which, with a little labor - some digging and mason-work - can be tapped and utilized. The one basin of reservoir which is in use is always full - the water running into it more than making up for that drawn out for use at the house, and there is a continual stream passing out by the waste pipe on the other side of the hill.

The water which is now used, and which is fed into the catch basin has been traced to its source in the bed rock, and conducted thence through four-inch pipe into the basin, thus completely separating it from contact with the earth or soil. The water in the reservoir is clear as crystal, and objects at the bottom can be distinctly seen.

It is anticipated that at no distant day the services of a plumber will be required to keep in order the line of pipe and connections. The first frost, which usually comes in October, will test the serviceability of the supply pipe and house connections. I recommend that the employment of a plumber - a skilled mechanic - be authorized at not to exceed $100.00 a month. It will cost too much to send

USFH-00000538

to Tombstone for a plumber every time a break happens or a leak occurs.

To guard against any interruption of our water supply, and make provision for any breakages of pipe or fittings, as well as to be enabled to extend and improve the present connections, as experience and necessity shall demonstrate to be necessary, I have the honor to submit herewith an estimate, in triplicate, of pipe, pipe fittings and tools, required for that purpose. There are none of these articles on hand.

The plan of the roof of reservoir forwarded, is on tracing paper (borrowed) - there being no tracing linen or drawing paper on hand, none having been supplied on last two quarterly estimates.

Very Respectfully,
Your Obedient Servant,

D. G. Floyd
Asst. Qr. Master, U.S.A.

12 Encl
349/1884

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R.B. 655-6-7.

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5697 a.g.o. 1884 1884

OFFICE OF THE QUARTERMASTER
DEPT. ARIZONA
RECEIVED OCT. 27 1884

October 30, 1884
NOV 7 1884

C.O.M.O. DIV. PAC. NOV 10 1884

Fort Huachuca A.T.
Post Quartermaster

4814 12 1884

Submit Special Estimate for Fire apparatus, and Estimate & Plan for a roof for Reservoir and a Estimate for Extra Sepy Sepy for water supplies.

5563 RECEIVED DEC 1884

Reports in gross of construction of water work.

4 enc withdrawn - [illegible]

1850 4 Encl 29

2906.03122
B B

4 Enc

Recd back 2.M.G.O. Dec 16/84

Recd a.g.o. Nov 25/84

REPRODUCED AT THE NATIONAL ARCHIVES

(2nd Endorsement.)
HEADQUARTERS DEPARTMENT of ARIZONA
Office of the Chief Quartermaster
WHIPPLE BARRACKS,
Prescott, A. T. Oct. 31 1884

Respectfully forwarded to the Quartermaster General of the Army, through Dept Headquarters, and Chief Quartermaster Division of the Pacific, reference being made to the Quartermaster General's endorsement of August 13. 1884.

The within Estimates as modified, are recommended for approval and supply.

The estimate for fire apparatus - though containing articles not enumerated in the previous estimate for this purpose, is believed to be the result of fuller consideration and as such more likely to meet all the requirements of the case. The necessity for means for subduing an incipient fire at a post of the importance of Fort Huachuca is self evident.

It is considered that a roof over the reservoir will be found an almost absolute necessity, and that a good and substantial as well as sightly structure is in the interest of ultimate economy.

The Estimate for articles for repairs has been much reduced. While it is believed that a small supply of all articles likely to be needed in case of sudden break or damage

Fort Huachuca Ad.
October 23: 1884

Respectfully forwarded through the Assistant Adjutant General Department of Arizona.

A Wood
Captain 4th Cavalry
Commanding

E.E.

8. 655-6-7
6. ARIZONA 1884
OFFICE CHIEF QUARTERMASTER DEPT. ARIZONA
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October 30, 1884
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Huachuca A.T.
H. G. Ad. Quartermaster
SAN FRANCISCO NOV 12 1884
to Special Estimate for apparatus, and Estimate for a roof for Reservoir
WAR DEPT.
RECEIVED DEC 15
supply.
to progress of construction
works.
Inclosure
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OR MR. GENL'S OFFICE
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Encl.
H. C.
2. M. G. O. Dec 16/84

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OFFICE CHIEF QUARTERMASTER DEPT. ARIZONA RECEIVED OCT. 27 1884

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1968 Oct. 30, 1884

HDQRS. DIV. PACIFIC RECEIVED NOV 7 1884

06 C.O.M.O. DIV. PAC. NOV 10 1884

Fort Huachuca A.T. 371 A.G.O. Fort Quartermaster

4814 SAN FRANCISCO NOV 12 1884

...bmits Special Estimate for ...e apparatus, and Estimate ... ...au for a roof for Reservoir ... Estimate for Ext. a Sep. ...

5563 WAR DEPT. RECEIVED ... 134 for ...

...ter supply.

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B. Inclosure

... encl. withdrawn ... 1850 4 Encl. 29

908 3122 B

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...Jack, 2. M. G. O. Dec. 16/84

... A.G.O. Nov 25/84

Fort Huachuca A.T.
October 23: 1884

Respectfully forwarded through the Assistant Adjutant General Department of Arizona

A. Wood
Captain 4th Cavalry
Commanding

E.E.

should be kept constantly on hand for use in case of emergency, the numbers of connections and quantity of pipe asked for are believed to be much in excess of probable requirements. The stock as recommended can be from time to time renewed as required by the regular estimates, and the Post Quartermaster has been notified that nothing can be allowed for extension and improvement except upon specific estimates, setting forth the articles required and the necessity of their supply.

The "Eureka" rubber lined cotton hose is strongly recommended as being much better adapted to a hot climate than rubber or leather hose. Its evident advantages are great strength and lightness; the rubber being on the inside is not affected by the heat; the material is very flexible and not likely to break in kinks; the hose is not so liable to injury by being dragged over sharp gravel and stones, of which the soil at the post is composed.

The large sized fire hose should be of the "Paragon" brand in order to stand the heavy pressure. The manufacturers have an Agency at 36 California Street in San Francisco. This office has no facilities for obtaining prices of

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4256. 5697 Argon 1884 1864

OFFICE CHIEF QUARTERMASTER DEPT. ARIZONA RECEIVED OCT. 27 1884

1897

1968 HDQRS. DIV. PAC. RECEIVED NOV 7 1884 October 30, 1884

06 C.Q.M.O. DIV. PAC. NOV 10 1884

Fort Huachuca, A.T.

371 A.G.O.

Post Quartermaster

4814 SAN FRANCISCO NOV 12 1884

...bmits Special Estimate for ...ic apparatus, and Estimate ... for a roof for Reservoir ... Estimate for Extra Tips ... for ... supply.

5563 WAR DEPT. RECEIVED DEC 15 1884

...sorts progress of construction ... water works.

12 Inclosures

...encl withdrawn ... 1850 4 Encl 29

...3122 B

4 Ca

...1 Back 2. M. G. O. Dec 16/84

A.G.O. Nov. 25/84

Fort Huachuca A.T.
October 22: 1884

Respectfully forwarded through the Assistant Adjutant General Department of Arizona

A. Wood
Captain 4th Cavalry
Commanding

E.E.

the articles called for which however can probably be inserted in San Francisco with but little trouble.

The articles stricken out in green pencil have been supplied from within the Dept.

The hire of a plumber is not recommended. The post Engineer (Enlisted) should be able to make small repairs when necessary.

Wm. H. Willming
Asst Qr Mr U.S.A.
Actg Chief Qr Mr
2897.

3rd Endorsement.

Headqrs. Dept. of Arizona.
Whipple Bks, Prescott, Nov 3, 1884.

Respectfully forwarded Hdqrs Headquarters Division of the Pacific.

approved as recommended in the second endorsement.

Geo. Crook
Maj. General,
Commanding.

E.B. 618.
E.E.

4th Endorsement.

HDQRS. DIVISION OF THE PACIFIC,
Presidio of S.F. Cal., Nov 8 1884

Respectfully referred to the CHIEF QUARTERMASTER, DIVISION of the PACIFIC.

By Command of Major General Pope,

C. H. Taylor.
Aide-de-Camp

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R.B. 655-6-7.

4256
5697 Argon 1884

OFFICE CHIEF QUARTERMASTER
DEPT. ARIZONA
2897 RECEIVED OCT. 27 1884

1968 HOORS DIV. PACIFIC
October 30, 1884
RECEIVED NOV 7 1884

2506 C.O.M.O. DIV. PAC. NOV 10 1884

Fort Huachuca A.T.
3371 N.Y.
Fort Quartermaster

4814 Rec'd Depot Q.M. Office
SAN FRANCISCO NOV 12 1884

Submits Special Estimate for Fire apparatus, and Estimate & Plan for a roof for Reservoir and an Estimate for Ext. & Sep. [illegible] for water supply.

5563 WAR DEPT.
RECEIVED DEC 15 1884

Reports progress of construction of water works.

B. Inclosures.

4 incl. withdrawn — 5 incl.

OR. MR. GENL. S. OFFICE
DEC 29

1850 4 incl.
2908 3122
105 B

Recd. Dec. 2, M.G.O. Dec. 16/84

Fort Huachuca A.T.
October 22: 1884

Respectfully forwarded through the Assistant Adjutant General Department of Arizona.

A. Wood
Captain 4th Cavalry
Commanding

E.E.

5th Endorsement.

[illegible] QUARTERMASTER'S OFFICE,
DIVISION OF THE PACIFIC
[illegible] of S. F., Cal., Nov. 11, 1884

[illegible] respectfully referred to the [illegible] Depot Quartermaster, San Francisco, with request that he insert the prices at which the articles can probably be obtained in San Francisco.

J. H. Bingham
Col. and Ass't Qr. Mr. General U. S. A.,
Chief Quartermaster.

2506
84

6th Endorsement,

DEPOT QUARTERMASTER'S OFFI[illegible]
San Francisco, Cal. Nov. 12 18[illegible]
Respectfully returned to the C[illegible]
Quartermaster Division of the Pacific.

There are no data in this off[illegible] upon which to estimate intellig[illegible] the cost of the within articles. It would be the merest guess[illegible] Even the catalogues - which na[illegible] but a few of the articles - are guide under the new system purchase.

Geo. H. Weed
Major and Quartermas[illegible]

4814
1884.

Back C.O.M.O. DIV. PAC. NOV [illegible] 18[illegible]

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R 18. 655-6-7.

4256. 5607 Argo 1884 1884

OFFICE CHIEF QUARTERMASTER DEPT. ARIZONA

RECEIVED OCT. 27 1884

2897

1968 HDQRS. DIV. PAC. RECEIVED NOV 7 1884 October 30, 1884

506 C.Q.M.O. DIV. PAC. NOV 10 1884

Fort Huachuca A.T.

5371 N.Y.

Fort Quartermaster

4814 SAN FRANCISCO NOV 12 1884

Submits Special Estimate for fire apparatus, and Estimate & plan for a roof for Reservoir

5563 WAR D... RECEIVED DEC 6 1884

...ter supply.

Reports progress of construction of water works.

12 Inclosures

1850 4 Encls 29

908 3122 B.

4 Ca

Fort Huachuca A.T.
October 22: 1884

Respectfully forwarded through the Assistant Adjutant General Department of Arizona

A. Wood
Captain 4th Cavalry
Commanding

E.E.

[6th Endorsement.]

CHIEF QUARTERMASTER'S OFFICE,
DIVISION OF THE PACIFIC,

Presidio of S. F., Cal., Nov. 15, 1884

Respectfully returned to the Asst. Adjt. General, Division of the Pacific,

with recommendation that the estimates be forwarded for the action of the War Department.

It will be seen by the preceding endorsement that the Depot Quartermaster in San Francisco declines to give me any assistance in obtaining estimates of cost of articles required. Without a knowledge of the probable cost intelligent action cannot be taken upon estimates of materials required.

My Chief Clerk went to San Francisco and obtained prices without difficulty.

J. D. Bingham
Col. and Ass't Qr. Mr. General U. S. A.

7th Endorsement.

HDQRS. DIVISION OF THE PACIFIC.

Presidio of S. F., Cal., Nov 17 1884

Respectfully forwarded to the Adjutant General of the Army, approved as recommended by the Department Commander.

Jno. Pope
Major General,
Commanding

8th Endorsement.

Adjutant General's Office
Washington, Nov. 26, 1884

Respectfully transmitted to the Quartermaster General.

R. C. Drum
Adjutant General

USFH-00000545

R.B. 655-6-7

4256 5607 Argo 1884 — T. ARIZONA 1884

2897 — OFFICE CHIEF QUARTERMASTER DEPT. ARIZONA RECEIVED OCT. 27 1884

1968 — HDQRS. DIV. PAC. RECEIVED NOV 7 1884 — October 30, 1884

2506 — C.Q.M.O. DIV. PAC. NOV 10 1884

Fort Huachuca A.T.
3371 N.G.
Fort Quartermaster

4814 — Rec'd Dept. Q.M. Gen. SAN FRANCISCO NOV 12 1884

Submits Special Estimate for Fire apparatus, and Estimate & Plan for a roof for Reservoir and an Estimate for Extra Supply pipe for water supply.

5563 — WAR DEPT. RECEIVED DEC 6 1884

Reports progress of construction of water works.

12 Inclosures

4 Encl withdrawn — 5 Encl

1850 — 4 Encl 29

2908 3122 B

H. Ca

Rec'd back Q.M.G. Dec 16/84

Rec'd A.G.O. Nov 25/84

Fort Huachuca A.T.
October 23: 1884

Respectfully forwarded through the Assistant Adjutant General Department of Arizona

A. Wood
Captain 4th Cavalry
Commanding

E.E.

9th Endorsement

Respectfully returned to the Adjutant General of the Army with recommendation that authority be granted by the Hon. the Secretary of War for an expenditure of $4,555.2 from the Army Transportation Appropriation, to do the work and supply the materials &c herein asked for.

S. B. Holabird
Q.M. General USA

Q.M.G.O.
Dec 1-84
1850-84
4 Enc
Div G.

Rec'd back A.G.O. Dec. 2. 84

10th Endorsement

Headquarters of the Army
Washington, D.C. Dec. 5

Respectfully submitted to Honorable Secretary of War.

Approved
P. H. Sheridan
Lieut. Gen

EB 39/267

11th Endorsement.

War Department
Dec. 10. 18

Approved as recommended by the Quartermaster General.

[signature]
Secretary of War

Lieut. Gen.

Rec'd back A.G.O. Dec. 12. 1884.

Seen by the H. Gen

USFH-00000546

4256
5607 A.G.O. 1884

OFFICE CHIEF QUARTERMASTER
DEPT. ARIZONA
RECEIVED OCT. 27 1884

October 30, 1884
RECEIVED NOV 7 1884

2506 C.O.M.O. DIV. PAC. NOV 10 1884

Fort Huachuca A.T.
3371 Fort Quartermaster

4814 SAN FRANCISCO NOV 12 1884

Submit Special Estimate for Fire apparatus, and Estimate & Plan for a roof for Reservoir and an Estimate for Extra Pipe, pipe fittings and Stools for water supply.

5563 WAR DEPT. RECEIVED DEC 5 1884

Reports progress of construction of water works.

12 Inclosures

4 encl withdrawn 5 encl

1850 4 Encl 29
2908 & 3122
B. B.

4 Ea

Recd back 2. M. G. O. Dec 16/84
Recd A.G.O. Nov 25/84

Fort Huachuca A.T.
October 22: 1884

Respectfully forwarded through the Assistant Adjutant General Department of Arizona

A Wood
Captain 4th Cavalry
Commanding

E.E.

12th endorsement.
Adjutant Generals Office
Washington, Dec. 15, 1884

Respectfully returned to the Quartermaster General, inviting attention to the action of the Secretary of War endorsed hereon, of which the Division Commander has this day been advised.

L. C. Drum
Adjutant General

EB 39/294

Notify

USFH-00000547

1882

[illegible]

Reservoir Reef 1347.5[illegible]

Water Pipe &c 354.2[illegible]

Hose Nozzles

Carriages etc 2853.4[illegible]

$ 4555.2[illegible]

Note Fr. Cmd Dec 17, 1884

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