STOCKHOLDERS' ANNUAL MEETING

The Arthur Irrigation Company
Fort Collins, Colorado
December 22, 1960

Notice is hereby given that the annual meeting of the stockholders of the Arthur Irrigation Company will be held Tues., Jan. 3, 1961, at 2:00 p.m., in the new First National Bank Bldg. corner of Oak and Mason Streets, Ft. Collins, Colorado, for the purpose of electing a board of directors for the ensuing year and the transaction of such other business as may properly come before said meeting.

EDWIN E. JOHNSON, President
RONALD H. STRAHLE, Secretary
Norman A. Evans
Colorado State University
Fort Collins, Colorado
STOCKHOLDERS' ANNUAL MEETING

The Arthur Irrigation Company

Fort Collins, Colorado
December 22, 1959

Notice is hereby given that the annual meeting of the stockholders of The Arthur Irrigation Company will be held Tuesday, January 5, 1960, at 2:00 o'clock p. m., at the office of the Company, First National Bank Building (entrance 109 East Mountain Avenue), Fort Collins, Colorado, for the purpose of electing a Board of Directors for the ensuing year and the transaction of such other business as may properly come before said meeting.

EDWIN E. JOHNSON, President

RONALD H. STRAHLE, Secretary
State Board of Agriculture

c/o C. L. Terrell, Sec.
CSU
Fort Collins, Colo.
Duplicate pages not scanned

See originals in folder

Water Resources Archive
Colorado State University Libraries
CONFIRMATION OF WATER TRANSFER ORDER

Effective 9-27-1968

50 acre-feet of water have been transferred to the Arther Ditch Company in accord with a Water Transfer Order received from the State Board of Agric. Company

NORTHERN COLORADO WATER CONSERVANCY DISTRICT

Individual Account

From

To
Stockholders' Annual Meeting

THE ARTHUR IRRIGATION CO.

Notice is hereby given that the annual meeting of the stockholders of

THE ARTHUR IRRIGATION CO. will be held

JAN 7 1969 at 7:30 P. M. in the First National Bank Building, Fort Collins, Colorado, for the purpose of electing a board of directors for the ensuing year and the transacting of such other business as may properly come before said meeting.

RONALD H. STRAHLE, Secretary
Norman Evans, Trustee
State Board of Agriculture
c/o Charles Terrell, Sec.
CSU Experiment Station
Fort Collins, Colorado
Stockholders' Annual Meeting

THE ARTHUR IRRIGATION CO.

Notice is hereby given that the annual meeting of the stockholders of

THE ARTHUR IRRIGATION CO. will be held

JAN 7 1969 at 7:30 P. M. in the First National Bank Building, Fort Collins, Colorado, for the purpose of electing a board of directors for the ensuing year and the transacting of such other business as may properly come before said meeting.

RONALD H. STRAHLE, Secretary
Colorado State University Research Foundation
c/o Charles L. Terrell Sec. of Bd. of Agriculture
Colorado State University Fort Collins, Colorado

Dr. W.A. Evans
Stockholders’ Annual Meeting

THE ARTHUR IRRIGATION CO.

Notice is hereby given that the annual meeting of the stockholders of

THE ARTHUR IRRIGATION CO. will be held

January 6, 1970 at 2:00 P.M. in the First National Bank Building, Fort Collins, Colorado, for the purpose of electing a board of directors for the ensuing year and the transacting of such other business as may properly come before said meeting.

RONALD H. STRAHLE, Secretary
Mr. Norman A. Evans, Tr.
State Board of Agriculture
C/O Charles Terrell
Colorado State University
Fort Collins, Colorado
Stockholders’ Annual Meeting

THE ARTHUR IRRIGATION CO.

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RONALD H. STRAHLE, Secretary
CSU Research Foundation
C/O Charles L. Terrell
Colorado State University
Fort Collins, Colorado

Dr. Norman A. Evans
NORTHERN COLORADO WATER CONSERVANCY DISTRICT
P. O. Box 679
Loveland, Colo.
Ph. 667-2437

CONFIRMATION OF WATER TRANSFER ORDER

Effective 9-20-68

10.0 acre-feet of water have been transferred to the Arther Ditch Company in accord with a Water Transfer Order received from the State Board of Agric Company.

Individual Account

From State Board of Agric

To USDA

NORTHERN COLORADO WATER CONSERVANCY DISTRICT
Dr. W. A. Evans

State Board of Agriculture
% Administrative Engineer
Engineering Research Laboratory
Foothills Campus
Colorado State University
Fort Collins, Colorado 80521
Stockholders' Annual Meeting

Notice is hereby given that the annual meeting of the stockholders of

THE ARTHUR IRRIGATION CO. will be held

JAN 2 1968 at 2:00 P. M. in the First National Bank Building, Fort Collins, Colorado, for the purpose of electing a board of directors for the ensuing year and the transacting of such other business as may properly come before said meeting.

RONALD H. STRAHLE, Secretary
St. Board of Agriculture
c/o Norman Evans
CSU
Fort Collins, Colorado
Stockholders’ Annual Meeting

Notice is hereby given that the annual meeting of the stockholders of

THE ARTHUR IRRIGATION CO.

will be held

JAN 2 1968

at 2:00 P. M. in the First National Bank Building, Fort Collins, Colorado, for the purpose of electing a board of directors for the ensuing year and the transacting of such other business as may properly come before said meeting.

RONALD H. STRAHLE, Secretary
CSU Research Foundation
c/o Norman A. Evans
Colorado State University
Fort Collins, Colorado
Stockholders' Annual Meeting

THE ARTHUR IRRIGATION CO.

Notice is hereby given that the annual meeting of the stockholders of

THE ARTHUR IRRIGATION CO. will be held

JAN 7 1969 at 7:30 P. M. in the First

National Bank Building, Fort Collins, Colorado, for the purpose of electing a board of directors for the ensuing year and the transacting of such other business as may properly come before said meeting.

RONALD H. STRAHLE, Secretary
State Board of Agriculture

C/O Charles Terrell, Sec.

Colorado Exp. Station

Fort Collins, Colorado
IN THE DISTRICT COURT
IN AND FOR WATER DIVISION NO. I
STATE OF COLORADO
Case No. W-_______

IN THE MATTER OF THE APPLICATION
FOR WATER RIGHTS OF:

THE ARTHUR IRRIGATION COMPANY,
in the Cache la Poudre River
or its tributaries,
in Larimer County.

APPLICATION FOR CHANGE
OF WATER RIGHT

Applicant, THE ARTHUR IRRIGATION COMPANY, by and through
its attorneys, Stover & Brandes, makes its application for a
change of water right as follows:

1. Name of applicant: The Arthur Irrigation Company
   Mailing address: P. O. Box 523, Fort Collins, CO 80522

2. Name of ditch or other structures: Arthur Ditch and
   Sherwood Ditch

3. Present point of diversion:
   SW¼ SW¼ of Section 34, Township 8 North, Range 69 West,
   6th P.M., (about 200 feet North and 450 feet East of the
   SW corner of said section.) SW¼ NW¼ of Section 23, Township
   7 North, Range 69 West, 6th P.M., (1550 feet South and 2650
   feet West of the NE corner of section.)

4. Amount and priority of diversion:
   Transfer decree No. 2, 6-1-61, .72; Transfer decree No. 19,
   7-1-66, 2.165; Transfer decree No. 29, 6-1-68, 2.165; Original
   construction decree No. 32, 6-1-69, 1.67; First enlargement
   No. 38, 4-1-71, 31.67; Second enlargement No. 52, 7-20-72,
   18.33; Third enlargement No. 66, 9-1-73, 52.28; Total
   109,000 c.f.s. Also Sherwood Ditch priority No. 162,
   1-15-1894. 5.0 c.f.s. from Spring Creek. Also limited
   transfer decree in W-1424.

5. Proposed change (location or use, or amount and proposed plan
   for operation):
   Present rights include irrigation of lands and domestic purposes.
   Proposed change is for storage in Williams Lake, a/k/a Parkwood
   Reservoir, in the SW¼ of the SW¼ of Section 19, Township 7
   North, Range 68 West, 6th P.M., and in Sherwood Reservoir,
   a/k/a Nelson Reservoir, a/k/a Nelson Lake, in NW¼ of Section 30,
   Township 7 North, Range 68 West, 6th P.M., for purpose of
   filling and refilling as needed for irrigation of lands
   below and adjacent to reservoirs during irrigation season.

6. Court where original decree entered:
   Larimer County District Court, Fort Collins, Colorado
Transfer decrees: Water Court in and for Water Division I, Greeley, Weld County, Colorado.

Filing numbers: For priority Nos. 2, 19, 29, 32, 38, 52, 66: No. 320, dated April 11, 1882.

Also transfer decree No. W-1424, dated June 6, 1972.

Sherwood Ditch Priority No. 162; Filing No. 2031, dated April 22, 1922.

Date of appropriation: _______________________

Date of decrees: _______________________

Respectfully submitted,

STOVER & BRANDES,

By:

Robert W. Brandes, Jr., (6911)
Attorney for applicant
315 United Bank Building
401 South College Avenue
P. O. Box 523
Fort Collins, Colorado 80522
Telephone: (303)482-3664

Address of Applicant:

The Arthur Irrigation Company
P. O. Box 523
Fort Collins, CO 80522

STATE OF COLORADO )
) ss.
County of Larimer )

I, CALVIN C. JOHNSON, President of The Arthur Irrigation Company, of lawful age, being first duly sworn upon oath, deposes and states that I have read the above and foregoing application for change of water right and that the same is true and correct.

Calvin C. Johnson

The above and foregoing was subscribed and sworn to before me this ___ day of October, 1978, by CALVIN C. JOHNSON, as President of The Arthur Irrigation Company.

Witness my hand and official seal.

My Commission Expires:_____________________

(SEAL) Notary Public

-2-
April 14, 1955

Mr. H. C. Jolly
Route 4, Box 302
Fort Collins, Colorado

Dear Mr. Jolly:

In accordance with your request of some time ago we have prepared a list of the stockholders of both The Arthur Irrigation Company and The Sherwood Irrigation Company. Copies of both these lists are enclosed.

We are also sending copies to each of the other directors in these companies.

Yours very truly,

Ronald H. Strahle, Secretary

RHS:jo

cc:  E. E. Johnson
     Wm. E. Code
     D. L. Downing
     John O. Anderson
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February 22, 1971

MEMORANDUM

TO: Mr. Harry Hepting, Director, Physical Plant
FROM: Norman A. Evans, Director
SUBJECT: Realignment and covering of Arthur Ditch

REMARKS:

This will acknowledge receipt of plans for: (1) Arthur Ditch realignment; (2) Parshall Flume in Arthur Ditch; and (3) covering of Arthur Ditch.

My comments are as follows:

When the Parshall flume is constructed or bid, please specify dimension tolerances in accord with recommendations customarily provided in handbooks and bulletins on water measurement. Careful workmanship should be demanded in the construction of this flume to avoid having a worthless water measuring device. The investment is too great to risk its loss through poor workmanship.

Your reduced section in the Arthur conduit is acceptable. Although it is smaller than the section existing up to that point, its greater slope will provide equal discharge capacity.

The proposed Emigh Ditch section is acceptable. Although your plan indicates a monolithic conduit, I would suggest use of the precast top as was done in front of the Chemistry Building. However, the plan you present is acceptable.

Without having more details of the design depth in the Arthur conduit, I cannot appraise the suitability of the Parshall flume crest elevation. However, I call this to your attention because it should be fairly carefully examined. Offhand, I would guess the flume might operate submerged when depth in the conduit is about half its height.

I am sending a copy of this memorandum to the Directors of the Arthur Ditch as a means of making my recommendation that your plan be accepted subject to my further examination of the questions
raised above. This recommendation is based upon my judgment that your plan provides acceptable hydraulic characteristics equivalent to those of the existing ditch.

NAE:mc

cc: Board of Directors, Arthur Ditch
    Mr. Ronald Strahle
January 28, 1971

Mr. Ronald H. Strahle
Attorney at Law
First National Bank Building
Fort Collins, Colorado 80521

Dear Ron:

I am writing you in your capacity as attorney for the Arthur, Larimer County No. 2, and New Mercer Ditch Companies.

I believe that it has been more than a year since I mentioned to you that the City of Fort Collins was anxious to explore some way by which it might make better use of its waters represented by stock ownership in these various companies. The City, as you are well aware, has been acquiring shares in these companies as the almost inevitable result of the urbanization of the areas served by them. I would anticipate that this urbanization will continue with the result that the City may acquire even more shares in the future.

In looking at various alternatives, one possible solution has tended to stand out as being the best one. We have, for some time, discussed with the North Poudre Irrigation Company the possibility of that company's use of the water represented by these shares, in exchange for which the North Poudre Irrigation Company would grant to the City certain water rights concerning which they have had difficulty in maintaining the maximum possible use. It now appears that the North Poudre Irrigation Company will, in fact, find it beneficial to enter into a contract along these lines. This we conceive as being beneficial both to the City and to the North Poudre.

My purpose in bringing you up to date on these negotiations is to assure you that, if such a contract is consummated, I would consider it an absolute necessity to discuss with you in detail and in full the entire proposed agreement, and to discuss with you means by which we can assure not only that the contract will not result in injury to any person on the river, but also to take every step necessary to avoid any possibility of injury to any of the three ditches represented by you, or to their stockholders. I have given this matter careful study, aided by excellent engineering advice, and would be in a position to
outline what I, at least, consider a method by which this can be accomplished. I realize that you are deeply committed as to time in regard to your work in the House of Representatives, and, in fact, your absence in regard to those duties is the reason for this letter rather than a personal conference. However, should such a contract be actually consummated, I would hope that I could arrange with your secretary for a rather extended conference with you to outline my thoughts on this entire matter. I will, of course, plan to keep you fully informed as to all developments in this regard.

Yours truly,

[Signature]

Ward H. Fischer

WHF:jce
TO THE DIRECTORS OF ARTHUR, NO. 2 AND NEW MERCER:

Enclosed herewith please find a Xerox copy of a letter which I have received from Ward Fischer, acting for the City of Fort Collins in water matters.

I am also enclosing a copy of my reply.

I have no idea, of course, exactly what the city has in mind, but I will let you know as soon as I have any further information.

Yours sincerely,

Ronald H. Strahle
Ward H. Fischer, Esq.
Attorney at Law
Post Office Box 434
Fort Collins, Colorado

Dear Ward:

This will acknowledge your letter of January 28, 1971, regarding the stockholdings of the City of Fort Collins in various irrigation ditches represented by this office.

Although I am out of the office during the week, I keep office hours on Saturdays, and I will be glad to talk to you any Saturday. When and if you have a proposal that needs discussing, please give Mildred a call, and she will make the necessary arrangements.

Yours sincerely,

Ronald H. Strahle
March 6, 1970

Mr. Ronald Strahle
Secretary
Arthur Ditch Company
First National Bank Building
Fort Collins, Co. 80521

Dear Ron:

This is to transmit a request from Colorado State University to the Arthur Ditch Company for permission to replace the existing open ditch along Pitkin Street with a reinforced concrete conduit of rectangular cross-section. The proposed conduit will join the terminal end of an existing conduit and have identically the same dimensions. It will extend along Pitkin Street to Center Avenue, a distance of approximately 715 feet, terminating at the west abutment of a conduit under Center Avenue.

I have reviewed the design of this proposed conduit and recommend that the Board of Directors approve this request from CSU. The ditch capacity will be at least 170 cfs at full flow and 136 cfs flowing 3.0 feet deep. This considerably greater than the normal flow in the ditch. The capacity of the partial flume at the Emigh turnout is 120 cfs maximum.

The conduit design which is proposed will utilize a precast reinforced cover which will be set in place after the floor and walls have been poured. One of the reasons for this is to shorten the time during which the ditch will be inoperable. The University wishes to begin construction immediately in order to be finished before water is needed in the ditch. This construction plan will permit the ditch to be operated even before the top cover is set in place. It will eliminate the problem of interior forming which will also reduce construction time.

I believe the Board of Directors will be willing to approve this by telephone canvass and I shall request Calvin Johnson to make the canvass and report to you. Assuming approval of the Board of Directors, would you please prepare the customary document for University signature which we have used previously for similar projects. One copy of the plan prepared by Ingalls and Associate is attached should you wish to make it a part of your record.
Thank you for your assistance in this matter.

Very truly yours,

Norman A. Evans
Director

NAE:mc
Enc.
1-7-69 7:30 p.m.

1. Floer 1,000 shares put in stock to sell. C. will buy any avail at that price.

2. Some 500 shares now available for sale (10 shares) @ 125 - 150/share.

3. Accumulate 25/share for 1969 up to 50 minimum.

4. [Remarks]

Subject: From: Experiment Station

OFFICE MEMO

TO: Dale Hemlock Sherrard

Date: 4/26/69

Attached below are 3 1/2 shares = 128.75 @ $5.00

Excess amount 4.75 shares

[Signature]

Dale Sherrard

[Remarks]

Excess Authority means inflow basis for dividend under control authority. By year, will decrease, next year will recharge.

[Signature]
Mr. Gale Hamilton, Experiment Station
Dr. Norman A. Evans, Head of Department 2/27/68

Attached notices of Assessment:

Arthur Company
39½ Shares $128.35
1 Share (NAE) 5.00

Sherwood Company
4 4/5 Shares $426.60
Oversized documents not scanned

See originals in folder

Water Resources Archive
Colorado State University Libraries
February 28, 1966

Mr. Calvin C. Johnson  
President  
Arthur Ditch Company  
R. R. (Southeast)  
Fort Collins, Colorado

Dear Calvin:

Responding to a request from the Board of Directors of the Arthur Irrigation Company to review the plans of Colorado State University for enclosing part of the Arthur Ditch, I have the following report to make. Referring to the plans furnished the ditch company by the University, "Arthur Ditch Conduit, Physiology Building" sheet numbered 314 and 314-1, dated November 1965, the Arthur Ditch is proposed to be enclosed in a concrete conduit 12 feet wide by 3 feet six inches high from the bridge crossing Center Avenue to a point 330 feet east of the bridge where the conduit makes a 90° bend running south for approximately 680 feet making another 90° bend, running west approximately 100 feet, making another 90° bend and joining at that point the existing bridge under Lake Street. The entire conduit from beginning to end including the bridges has the same inside dimensions. These are also the same dimensions used on all previous conduits through the University.

I have estimated the carrying capacity of this proposed conduit and find that it would have the capacity for approximately 190 cfs. Such a capacity is considerably in excess of the capacity of the Parshall flume at the head of the Sherwood Ditch and I therefore conclude that it is adequate for the needs of the Arthur Ditch Company. I see no reason why the directors should not authorize the university to proceed with construction of all or part of this conduit. As I understand, the University proposes to construct only the part of the conduit around the new Physiology Building at this time.

* near the Emigh headgate.
Mr. Calvin C. Johnson

February 28, 1966

I would suggest that the agreement on this alteration of ditch and relocation of ditch include the provision that the University provide and install a suitable gate for delivery of water into the Emigh lateral. Any necessary structure in connection with said gate should also be required. There may be some possibility of an erosion problem in connection with this gate which would require a concrete box or apron. I believe the design capacity of the Emigh has been considered to be 10 cfs. This would therefore set the size of the gate.

I would further recommend that the directors include in their agreement with the University that the University will take responsibility for any ditch erosion problem which may occur at the outlet of the bridge under Lake Street. There is a remote possibility that increased velocities at this point due to the increased grade of the conduit might result in some erosion around the outlet. I believe the University should stand responsible for rip-rapping or any other bank or bed protection which may prove to be necessary as a result of the installation of the conduit.

With regard to possible flood damage and ditch company liability resulting from the relocation, I do not believe there is any hazard. The Arthur and Sherwood will remain water ways unless they are filled and will collect water from surface runoff in that vicinity. However, since the capacity of the proposed conduit would exceed the present capacity of the Parshall flume in the Sherwood Ditch by about 60 percent, I would think the Arthur Ditch Company would be in no jeopardy as far as flood damage resulting from relocation is concerned.

Yours truly,

[Signature]

Norman A. Evans
Head of Department

N/A: ps
cc:  Ronald Strahle
     Edwin Johnson
     Thomas Mix
     Adam Specht
Sanitary system to be parallel to city line already at Cutler. Will go north of city line within easement. I suggest to include in memo agreement.

I will call attention to Bd 7 directive.
STOCKHOLDERS' ANNUAL MEETING
THE ARTHUR IRRIGATION COMPANY

December 19, 1966

Notice is hereby given that the annual meeting of the stockholders of The Arthur Irrigation Company will be held Tuesday, January 3, 1967, at 2:00 P.M. in The First National Bank Building, Fort Collins, Colorado, for the purpose of electing a board of directors for the ensuing year and the transaction of such other business as may properly come before said meeting.

Ronald H. Strahle, Secretary

DEC 20 1966
1-4-66

Arthur Metting

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6.

John salary $340/mo. furnishe non
just up. No panache pay 240, furnish
among 6x9.48 by weeks. But with sail.
Other water more done to consider salary
make uniform for number dothes.

7. Director

8. John Mayer salary increase to 240/"/week
for 12 month.
February 28, 1966

Board of Directors
Arthur Ditch Company
Fort Collins, Colorado

Dear Sirs:

Due to the rapid expansion of facilities here at Colorado State University, it has become necessary to make additions to our existing utility mains.

Please find enclosed information regarding four proposed ditch crossings for which the University would like to obtain easements. Included in this information is the legal description and installation procedure for each proposed crossing. If additional information is required, please contact me.

With the construction season rapidly approaching, we would appreciate your earliest attention to this matter. Thank you.

Very truly yours,

H. C. Hepting, Director
Physical Plant Department
ARThUR DITCH

UTILlITY EASEMENTS

LEGAl DESCRIPTION

A. Irrigation Watermain Crossing Near Rockwell Hall

A six inch Asbestos Cement irrigation pipeline crossing beneath the Arthur Ditch Conduit in an east-west direction. The intersection of said pipeline and the centerline of said conduit being more particularly described as follows:

Beginning at the East Quarter Corner of Section 14, Township 7 North, Range 69 West of the Sixth Principal Meridian in Larimer County Colorado and considering the east line of said Section 14-7-69 as bearing N 0°-22'E with all bearings relative thereto;
   Thence West 2,112 feet;
   Thence North 1,135 feet to said conduit - pipeline intersection, said point also being 187 feet South of Rockwell Hall.

B. Irrigation Watermain Crossing Near Braiden Hall

An eight inch Asbestos Cement irrigation pipeline within a 15 inch x 14 gauge casing crossing over the Arthur Ditch in a Northeast - Southwest direction, the intersection pipeline and the centerline of said ditch being more particularly described as follows:

Beginning at the E $\frac{1}{4}$ Corner of Section 14-7-69 as described above; Thence West 2,452 feet; Thence South 1,219 feet to said pipeline intersection, said point being 250 feet West of the centerline of Braiden Drive along said ditch right-of-way.

C. Irrigation Watermain Crossing Near Center Avenue Conduit

A six inch Asbestos Cement irrigation pipeline within a 12 inch x 14 gauge casing crossing over the Arthur Ditch in a North-South direction, the intersection of said pipeline and the centerline of Arthur Ditch being more particularly described as follows:

Beginning at the E $\frac{1}{4}$ Corner of Section 14-7-69 as described above; Thence West 2,117 feet; Thence South 1,237 feet to said pipeline intersection, said point also being 37 feet West of the centerline of Center Avenue along the ditch right-of-way.

D. Sanitary Sewer Crossing Near Lake Street Conduit

A 12" inch sanitary sewer crossing below the Arthur Ditch in a Northwest-Southeast direction, the intersection of the sanitary sewer main and the centerline of said ditch being more particularly described as follows:
Beginning at the E 1/4 Corner of Section 14-7-69 as described above; Thence West 1,522 feet; Thence South 1,845 feet to said center-line intersection, said point also being 110 feet East of the Lake Street Crossing along the ditch right-of-way.

**UTILITY INSTALLATION PROCEDURES**

A. Rockwell Watermain

This watermain shall be installed by boring below the existing ditch conduit in such a manner that the 6 inch pipe shall be no closer than 12 inches to the existing structure. Sand backfill shall be used to protect the pipe from any differential movements of the conduit.

B. Braiden Hall Watermain

This watermain shall be installed above the existing canal in such a manner that the 15 inch casing shall not restrict any flow of water in said canal. Suitable bearing pads shall be constructed to prevent any movement of the casing and to act as cut-off walls where over-excavation may have occurred.

C. Center Avenue Watermain

Same as B above except casing shall be 12 inch.

D. Lake Street Sanitary Sewer

This sewerline shall be laid below the existing canal at a point where a proposed conduit is to be constructed. The portion of the sewer pipe within the canal limits shall be cast iron, and concrete cut-off walls shall be installed if the proposed conduit is not constructed prior to the time the canal is put into operation.
ARThUR DITCH
UTILITY EASEMENTS
ADDENDUM

Please delete the legal description of the Sanitary Sewer Crossing "D" and revise to read as follows:

D. Sanitary Sewer Crossing Near Lake Street Conduit

A 12" sanitary sewer crossing below the Arthur Ditch in a Northwest-Southeast direction, the intersection of the sanitary sewer main and the centerline of said ditch being more particularly described as follows:

Beginning at the E 45° corner of Section 14-7-69 and considering the East line of said section as bearing N-00°-22' E with all bearings relative thereto; Thence West 1,311 feet; Thence South 2,022 feet to said centerline intersection, said point also being 320 feet east and 30 feet North of the Lake Street crossing.

E. Sanitary Sewer Crossing at proposed rerouting

A 12" sanitary sewer crossing below the proposed relocation of Arthur Ditch in an East-West direction, the intersection of the sewer main and proposed conduit centerline being more particularly described as follows:

Beginning at the E 45° corner of Section 14-7-69 as described above; Thence West 1,513 feet; Thence South 2,010 feet to said centerline intersection, said point being 110 feet East and 44 feet North of the Lake Street Crossing.

F. Natural Gas Main Crossing Near Stock Pavillion

A 2" gas main, schedule 40 M.W., crossing over the Arthur Ditch in a North-South direction, the intersection of said pipeline and the centerline of Arthur Ditch being more particularly described as follows:

Beginning at the E 45° corner of Section 14-7-69 as described above; Thence West 1,336 feet; Thence South 1,361 feet to said pipeline intersection, said point also being 75 feet east of the Stock Pavillion along the ditch right-of-way.
Please revise the installation procedure of Sanitary Sewer Crossing "D" and revise to read as follows:

D. Lake Street Sewer (existing ditch section)

This sewer line shall be laid below the existing canal in such a manner that the portion of sewer pipe within the canal limits shall be cast iron, with 6" concrete cut-off walls extending from the bottom of the trench to the high water line on each side of the ditch.

E. Lake Street Sewer (proposed ditch relocation)

Since the ditch relocation shall consist of a concrete conduit section, no additional protection shall be considered for the Sanitary Sewer.

F. Stock Pavillion Gas Main

The gas main shall be installed above the existing canal in such a manner that the 2" steel pipe shall not restrict any flow of water. Suitable bearing pads shall be constructed to prevent any pipe movement and to act as cut-off walls where over-excavation may have occurred.
July 13, 1964

Mr. Ronald H. Strahle, Secretary
Arthur Ditch Company
First National Bank Building
Fort Collins, Colorado

Dear Mr. Strahle:

Please accept this as my resignation from the Board of Directors of the Arthur Ditch Company. This is necessary because of an assignment for the coming year in Bangkok, Thailand. I will look forward to returning to Fort Collins in one year and hope that I may be of further service to the ditch company then.

I will appreciate you presenting this to the Board of Directors at the ditch meeting.

Yours truly,

Norman A. Evans
Head of Department

NAE:ps
Mr. John Meyer  
237 West Street  
Fort Collins, Colorado

Dear John:

We received this morning a list of the 1964 water allotments made by the Colorado Water Conservancy District to stockholders in Arthur. We have extracted the names and the appropriate amounts of water from this list, and a copy of the result is enclosed herewith. We have not bothered to include the addresses of the allottees, with the legal description of the land to which the water is assigned. If you need this information, we have it in the office.

As you know, these figures are only for the allotment declared on April 3, 1964. In the event of an extremely dry year, more water may be allotted later in the season.

In order that they will be informed, I am sending a copy of this letter, and the enclosure, to the Board of Directors.

Yours sincerely,

[Signature]

Ronald H. Strahle

cj

Enclosure

cc:  Mr. Norman A. Evans  
     Mr. Dave Greenwalt  
     Mr. Calvin C. Johnson  
     Mr. Edwin E. Johnson  
     Mr. Adam Specht
<table>
<thead>
<tr>
<th>Name</th>
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<td>Specht, Adam</td>
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<td>10.5</td>
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<tr>
<td>Spring Creek Farms, Inc</td>
<td>220</td>
<td>154.0</td>
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<tr>
<td>Vandewark, James F. &amp; Ada May Guard</td>
<td>100</td>
<td>70.0</td>
</tr>
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</table>
Rectangular Channel

Concrete - \( \pi = 0.015 \)

\[ s = \frac{0.18}{540} = 0.000333 \text{ ft/ft} \]

\[ \text{Area} = (3.5)(12) = 42 \text{ sq ft} \]

\[ R = \frac{42}{19} = 2.21 \]

For \( d = 3.5 \) ft

\[ S = \frac{1.49}{0.015} \left( \frac{42}{2.21^2} \right) \left( 0.000333 \right) \]

\[ = \frac{1.49}{0.015} \left( 42 \right) \left( 1.647 \right) \left( 0.0187 \right) \]

\[ = 132.2 \text{ cfs} \]

For \( d = 30 \) ft

\[ \text{Area} = (3)(12) = 36 \]

\[ R = \frac{36}{18} = 2.0 \]

\[ R^2 = 1.587 \]

\[ Q = \frac{1.49}{0.015} \left( 36 \right) \left( 1.587 \right) \left( 0.0187 \right) \]

\[ = 106.6 \text{ cfs} \]
Mr. E. E. Johnson  
Rt. 1, Box 604  
Fort Collins, Colorado  

Dear Mr. Johnson:

Mr. James F. Vandewark recently sent me an analysis of some of the problems which face the Arthur system. I have had my secretary type copies of Mr. Vandewark's letter, one of which is enclosed.

If you wish to take any action on Mr. Vandewark's suggestions, please let me know and I will call a meeting of the directors. In order that the directors will be informed, I am sending a copy of this letter and a copy of Mr. Vandewark's letter to each of them.

Yours sincerely,

Ronald H. Strahle
Mr. Ronald H. Strahle, Secretary

Dear Mr. Strahle:

Thank you for your letter of May 24, giving me a list of Arthur stockholders holding two shares or less. These small stockholders present one of several problems unique to our ditch system which make it one of the most difficult systems on the Poudre River to operate and give each stockholder just service. I have made a study of all of these problems and will note my findings on each one separately, not necessarily in order of their importance, but to show the problems that each one presents. If the directors and stockholders and you, as secretary, will permit me to make some suggestions, they may solve some of the difficulties, looking to better service to the stockholders and making the work of the superintendent much simpler.

First, I will discuss the matter of the small stockholders and the problem they present in making water deliveries. They represent practically one-half of the total stockholders of The Arthur ditch and one-fifteenth of the stock and pay the superintendent's time in the same proportion on delivery of water. It is not possible to use weirs at all outlets for these small units, and it has been the practice of the company to deliver the water on a time basis. Later in the summer, after the amount of water from the river diminishes, it has been the practice to go on sections and make the rounds of serving each stockholder in a period of eight days based on the time allotted on each share of stock. This gives each share a run on the ditch for 9 3/4 minutes. Of course, the small stockholders can not use the full flow which, I estimate at about five or six second feet. Should he share this flow with ten other shares, he would get only 95 minute run of one-half second feet with these amounts from one down to one-fourth shares, it would be an impossible task for the superintendent to make deliveries. So it has become the practice to try and satisfy the stockholder's needs; whereby he gets much more water per share at the expense of the large stockholder. As a result the small stockholder gets equal service at a small fraction of the cost and much more water per share at the expense of the large stockholder. This encourages him to hold onto his stock.

Permit me to make suggestions for your consideration, along with those from the directors and other stockholders, as follows:

Deliver to each stockholder his just share of time allotted to each share. This would leave full responsibility on him to make any exchange with other stockholders, relieving the superintendent of any responsibility in case this does not meet the needs of the stockholder. If he decides to sell his stock, the ditch company buys it at market price. The company may keep it or sell it to a large stockholder; or he may choose to buy more stock sufficient to meet his needs.
Next, the free water right of George Scott. This presents a problem in making plans for water delivery as he can order water at any time. I suggest that we talk with him and see if we can agree on some plan on a temporary basis. I do not mean to jeopardize his free right, which would work into our delivery plan. However, he could cancel out anytime that he was dissatisfied.

I feel that Mr. Scott would cooperate on a trial basis if his free right was protected. I have something like this in mind to set aside "sufficient special rights" to satisfy Mr. Scott on his needs. These rights would be entitled to the same amount of water as regular shares. Then to give them a place on the section runs as regular stocks. This could be handled in this way. Suppose Mr. Scott thought it would take twenty rights; then we would divide the time allotted to all stockholders by 12 to plus twenty, or 130. In this way each stockholder would share equally in serving Mr. Scott's free water right.

Looking to the future, I would suggest that if the Scott tract was ever offered for sale, that the ditch company buy it, and resell it with sufficient stock to meet the needs and eliminate the free right. If this tract should be platted for homes and each lot given a free water right, it would present a real problem for the ditch company.

Complication Number 3. The superintendent serves three separate systems. He is a full time employee of the Arthur ditch and also of the Sherwood, but only a part time employee of the Emigh respecting the delivery of water. This situation leads to confusion. I think it should be understood that after delivery of the proper amount of water to Sherwood or Emigh, he has discharged the full obligation of the Arthur company, and he becomes the employee of the company who is receiving the water. Conditions on the other ditches are of no concern to the stockholders of this ditch that is receiving the water in this connection. It would seem advisable that a list be made of all stock going to each, Arthur, Sherwood and Emigh, and that no change be permitted that would upset the delivery plan. This refers especially to rented water with a notice that all rented water must be reported before we go on sections, so that it could be properly allotted in the delivery plan. There would be two special cases to be taken care of when stockholders use two ditches, Mr. Ed Johnson and CSU. I would suggest that Mr. Johnson be given the first time on the Sherwood. Thus he could leave any portion of his water in the Emigh that he wishes while the water was still in the Emigh Lateral.

I think that CSU lists their stock separately. However, it would be quite simple for them to make changes in delivery as between the Arthur and Sherwood.

Next problem is Spring Creek water. I estimate 640 shares of Arthur water owned by Sherwood stockholders. This would average one share of Sherwood to forty shares of Arthur. This is so nearly the way the stock is owned that it
that it could be delivered on the same basis as Arthur water which would justify the delivery.

Laidlaw drain water accumulated should be paid from Spring Creek water during the time when Arthur water is not in Sherwood ditch. As the Sherwood's stockholders receive this water when being accumulated and does not affect the Arthur stockholders.

Sherwood Lake There seems to be no written contract between the lake owners and the Sherwood ditch. It seems that the practice has been for the Arthur and Sherwood ditches to carry the water to the Lake at no expense to the Lake. Also furnished was the water, which the Lake having no decree on the river, could get only by using Arthur decrees. I do not know if this is taken into consideration if the Lake has been filled and the ditch goes on sections; it would seem that the ditch should have credit for a part of this water. Some study should be made here to determine more definitely what the ditch company rights are. It also seems that the Lake company gave free water to the land under the Lake to the Dave Greenwalt land and it seems to me that the way it is handled, the ditch company is furnishing this free water and not the Lake company who has the obligation.

Further, up to about four years ago Mr. Greenwalt was using ditch water to irrigate from eight to ten acres above the Lake and owned no Arthur water. However, when this was discovered he did buy one and one-fourth shares of Arthur water; he may have bought more since. When weirs were added in all outlets, the weir to the Lake was placed above Mr. Greenwalt's gate to the eight acres so the water to the Lake would be measured, and if Mr. Greenwalt had any arrangement with the Lake for this water, it would be delivered to him after it was measured to the Lake. Someone moved this weir to a point below Mr. Greenwalt's headgate. I do not know who ordered this change but this whole situation should be investigated.

Finally, a headgate should be placed at the head of the Sherwood to control any flash flood that might occur in Spring Creek which could cause a break in the ditch causing damage for which the company would be held responsible. I would recommend a combined weir and headgate.

Yours truly,
(signed) James F. Vanderwark
April 14, 1961

Mr. John Meyer
630 South Grant Street
Fort Collins, Colorado

Dear John:

The Northern Colorado Water Conservancy District has provided this office with a list of persons who will be entitled to Colorado-Big Thompson Project water under Arthur this year, and the amount which each will receive.

I am enclosing a list of these persons, together with their permanent allotments and their 1961 allotments. The enclosed list does not include the land to which each of these allotments is assigned, inasmuch as I don't feel this information is required by you. If, however, you need to know exactly which land the various allotments have been made to, the information is in this office, and you can procure it at your convenience.

I am sending a copy of this letter and the enclosure to each of the directors, so that they will be informed.

Yours sincerely,

Ronald H. Strahle

Enclosure

RHS: fsh
<table>
<thead>
<tr>
<th>Name</th>
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<th>1961 Allotment</th>
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<td>Burch, Charles C.</td>
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<td>Spring Creek Farms, Inc.</td>
<td>220</td>
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<td>Vandewark, James F. &amp; Ada May Guard</td>
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<td><strong>Total certified</strong></td>
<td><strong>395 AF</strong></td>
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Nov. 7, 1960

Director S. S. Wheeler

Norman A. Evans, Head, Agriculture Engineering Department
Arthur Ditch Company

For your information, the Arthur Ditch Company's negotiations with the Larimer County involving a new diversion dam and head gate have been dropped. The County is unable to acquire the necessary rights of way to straighten the river channel.

NAE/nt

Jan 3 1961
Annual Meeting 2pm.

Balance: $1800 clear

Maintenance in dam to be done - equals $300 assessment w/ 1/3 minimum.

Ed J. Pres. 
Dave G. V.P.
OFFICE MEMO

TO:  S. S. Wheeler

FROM:  Norman A. Evans

SUBJECT:  Capitol Improvement on the Arthur Ditch System

REMARKS:

The members of the Arthur Company have met with the Larimer County Commissioners to discuss the possible construction of a new diversion dam for the ditch in connection with a new bridge and river straightening project. The county proposes to straighten the river in the vicinity of the bridge on Taft Hill Road (near Sterling Sand and Gravel) in order to reduce the length of bridge needed. In order to do this they will have to provide a new diversion for the Arthur ditch because the new river channel would bypass our present diversion dam. They ask for financial assistance from the Ditch Company toward building the new diversion.

The present diversion structure is of wood plank on wood piling construction. The piling has been in place about 25 years but the plank facing has been replaced several times. Moreover the existing structure is inadequate to get the total decreed flow at low stage in the river. In summary, a replacement diversion structure would be a good improvement for the ditch and will eventually have to be faced by the company. All members of the company agree on this point.

The County estimates that the added cost of a diversion at the new bridge will be about $41,000. The stockholders of the Arthur Company authorized the directors to negotiate with the county up to $15,000. This amounts to $10.00 per share of stock in the Arthur. Our stock holding totals approximately 175 shares. The cost of this improvement ($1750.00) may be assessed over a period of 3 years or assessed during next year, whichever the stockholders decide. Most of them seem to favor paying it off in one year to save the interest.

I think that an outlay of $15,000 for a permanent concrete diversion which could dry up the river if necessary would be too good to pass up. I would like to have your recommendation on (1) mode of payment of the $1750.00 which we would favor and (2) if the county will not negotiate at $15,000, how high would you think the company should go beyond that figure.

Please consider the $15,000 figure as confidential.

cc:  R. S. Whitney
    Paul Byron

Norm. (1) Would favor spreading improvement over 3 years
      (2) $15,000 is requested

as a top limit
OFFICE MEMO

TO: S. S. Wheeler
FROM: Norman A. Evans

SUBJECT: Capitol Improvement on the Arthur Ditch System

REMARKS:

The members of the Arthur Company have met with the Larimer County Commissioners to discuss the possible construction of a new diversion dam for the ditch in connection with a new bridge and river straightening project. The county proposes to straighten the river in the vicinity of the bridge on Taft Hill Road (near Sterling Sand and Gravel) in order to reduce the length of bridge needed. In order to do this they will have to provide a new diversion for the Arthur ditch because the new river channel would bypass our present diversion dam. They ask for financial assistance from the Ditch Company toward building the new diversion.

The present diversion structure is of wood plank on wood piling construction. The piling has been in place about 25 years but the plank facing has been replaced several times. Moreover the existing structure is inadequate to get the total decreed flow at low stage in the river. In summary, a replacement diversion structure would be a good improvement for the ditch and will eventually have to be faced by the company. All members of the company agree on this point.

The County estimates that the added cost of a diversion at the new bridge will be about $41,000. The stockholders of the Arthur Company authorized the directors to negotiate with the county up to $15,000. This amounts to $10.00 per share of stock in the Arthur. Our stock holding totals approximately 175 shares. The cost of this improvement ($1750.00) may be assessed over a period of 3 years or assessed during next year, whichever the stockholders decide. Most of them seem to favor paying it off in one year to save the interest.

I think that an outlay of $15,000 for a permanent concrete diversion which could dry up the river if necessary would be too good to pass up. I would like to have your recommendation on (1) mode of payment of the $1750.00 which we would favor and (2) if the county will not negotiate at $15,000, how high would you think the company should go beyond that figure.

Please consider the $15,000 figure as confidential.

cc: R. S. Whitney
    Paul Byron
MEMO

March 3, 1960

TO : Director S. S. Wheeler
FROM : Norman A. Evans
SUBJECT: Annual meetings of ditch companies serving University property

REMARKS:

I attended annual meetings of the following ditch companies as the representative of the University and make the following report for your information.

Sherwood Ditch Company—Met January 11, 1960. Annual assessment reduced from $125 to $100 per share. The only business of concern to be considered was a claim by Mr. Vanderwaark that a bridge across the ditch on his property should be replaced by either the ditch company or the University. This claim is based on the fact that the University is conveying water to the Rigden Farm which adds an increased flow in the Sherwood Ditch, and consequently the existing bridge is inadequate to handle the flow. There appears to be little foundation for this claim, and the Board of Directors agreed to investigate the situation.

New Mercer Ditch Company—Met January 2, 1960. No significant changes were made from last year’s operation. The existing Board of Directors was re-elected. Assessment was set at $3 per share.

Larimer County Ditch No. 2—Met December 6, 1959. The annual assessment was set at $40 per share. H. D. Spencer was elected President.

Emigh Ditch Company—Met February 6, 1960. The assessment was set at $4 per share. Some concern on the part of the stockholders was expressed over the forthcoming loss of CSU as a stockholder which will occur when the Agronomy Farm is finally abandoned. The stockholders feel that the lateral is in such bad condition that they could not afford to maintain it without the University’s help. Clearly the University cannot continue to pay for maintenance on the lateral after we cease to use it. We do have an obligation to support the necessary repair and improvement while we are still stockholders which will leave the ditch in reasonable shape.

Inasmuch as the Pitkin Street Lateral which runs to the Agronomy Farm is in much better condition than the Emigh Lateral, it was suggested that after the University leaves, the remaining users tie into that Lateral. This appears to be feasible and will solve their problem.

Arthur Ditch Company—Met January 5, 1960. No significant changes were made from the preceding year. Assessment of $2 per share was established.

cc: Robert Whitney
Paul Byron
Arthur C. 1-6-59

Ed. W. Johnson (Pres.) (Julia?)

J. O. Anderson

W. W. Conwell

Per V. Jorgensen

Suit of City to change direction Corp. & Jackson dikes to water side of town. Some cost are justified it. Trouble advance resist. Says 3" of water is never used except to keep northwest area. Transfer to City would make a lot of difference to

and cost of So. side of town. Water & Supply Storage (grog donated) may well furnish the energy data - Cost #500 to Arthur probable.

Jackson waters need to layoff - but not as much removed as Coy. (New member doesn't want to fight & probably W. 8th)

Feel City will transfer other water + 8 3/4 Coy - possibly 25 cfs. This affects new flow pool on N. gate & 100 be detrimental.

Resolution of Water Users Assn. (Jay Deegan 2800+ to augment supply (2500). Nancy Q. asks Arthur to come in to help support

Decide to fight

Castle to Pounce

Arthur & Johnson to attend W.U.A. meeting

For anyone recognize bring back facts & Arthur

By 10 to join if decide to
Assessment: 
4 - 4500 / 1500 shares = 30c/share carried due


Ed J. D. Evans
William Calvin Johnson
Jolly
D. Fiedersalt
Ed Johnson

Bel of Dir Bymote Sale Aug.

Objectives: not devote enough time farming

$1680 / Mar. - 1 Nov.

Strake $240 / yr

CWA W.A. - A March meeting

I suggest an escape clause so we can get out.
Figure 1: Equipment for testing pneumatic grain cleaner.

Figure 2: Vibrometer used to add contaminant to feed auger.
Mr. Ronald H. Strahle  
Attorney at Law  
First National Bank Building  
Fort Collins, Colorado  

Dear Mr. Strahle:

The State Board of Agriculture on March 29 approved the transfer of one share of Sherwood Irrigation Company stock from H. C. Jolley to the State Board of Agriculture.

It was the understanding of the Board that this transfer was requested by Mr. Jolley in order to equalize not only stock ownership in the Sherwood Irrigation Company but particularly to equalize the assessments in a fairly direct ratio to the acreage of land irrigated through the company's facilities.

It will be appreciated if you would effect the transfer mentioned in paragraph one above.

Very sincerely,

Lowell H. Watts  
Secretary

cc: H. C. Jolley  
cc: S. S. Wheeler  
bc: N. A. Evans  
bc: W. E. Code
Soliloquy of a Baby

Fill in the blanks below with the names of well known flowers. If two words make up the name of the flower there will be two blanks. If the plural of the flower is used an (s) will be added after the blank and if any other letters are needed to make a correct usage, they will also be added after the blank. Ex: The name of the flower in the second blank is mummie. Read the lines following the blank, you may find a clue. Ten minutes.

I think it’s time I took _______ of things. My _______mie is a _______ because she won’t tell when I’m cross. Sometimes my _______ is a ___ ___ because he snaps at me when I cry and he has to walk the floor with me. After my bath they both say I smell as sweet as a _______, and that my _______s are as red as a red one. My eyes they say are as blue as a _______. Sounds corny to any one but the three of us. Sometimes they call me _______ ___. I don’t eat butter, but I do drink _______ milk. My _______ told my _______mie that when he wore a _______ _______ _______ her hands were as white as a c_______ l____ but since I came they looked more like a t_______l_____. Funny since she says soap and water keeps my things white. Anyway I think my _______mie and _______ are tops, so I say an _______ to the three of us. I think having me was the nicest way I’ve ever drrea of nard ilesai poucie geettig het ribd. I just shed some _______ and I’m all out of _______ _______ so the words got scrambled. You figure them out.
Arthur Ditch Inspection
March 6 1957

with Ed Johnson, John Anderson & Greenwald.

Inspected Parshall flume going south from
Enigh lateral headgate. This flume is out of level
and considered high. Decision was to take it out and
build new one. I want to take care of this.

County wants to build new xing on lake S. Present
opening 11 ft wide, 3' high. New structure should be a
bridge - not a multiple tube equal in areas. Bridge
on Prosperous has water way of 30-32 sq. ft.

At dam head of ditch, Anderson started
yesterday to move heavy rock closer to dam with
bulldozer and correct erosion with bank by
moving rip rap of refuse concrete up stream and
smoothing bank. Permission was to obtain to
doze out a dozen or so dead trees to cover bank at
this point. Roger pushing upstream bed gravel and
cobble to heavy rock. My suggestion was to push this
stuff up over rock as otherwise it would soon wash
out.

At head gate. Decided to replace present 2 gates
(openings 4 ft total by 18" wide) in bad condition
with radial gates 16' or 12' long with 2' or 2'1/2 rise.
Wreck was and all leaving wall to which will
be fastened new concrete to frame new gate. Anderson
to do next summer morning.

March 11. Ed Johnson reported purchase of 10' radial gate 4' rise, cost about $75
Delivery about Apr. 15. Also new control gate about $50
<table>
<thead>
<tr>
<th>Irrigation Company</th>
<th>No. of Shares</th>
<th>Rate Per Share</th>
<th>Total Assessment 1949</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Mercer Ditch Company</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>College Farm Proper</td>
<td>1</td>
<td>$30.00</td>
<td>$30.00</td>
</tr>
<tr>
<td>1/2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L. C. Moore Tract</td>
<td>10/16</td>
<td>30.00</td>
<td>300.00</td>
</tr>
<tr>
<td>1/4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wolfet Place also Armitage</td>
<td>2</td>
<td>30.00</td>
<td>60.00</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>$60.00</td>
</tr>
<tr>
<td>Elnigh Lateral Ditch Company</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Institution</td>
<td>143.4</td>
<td>1.40</td>
<td>200.76</td>
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<tr>
<td>Code</td>
<td>1</td>
<td>1.40</td>
<td>202.16</td>
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<td>Larimer County Canal No. 2</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Institutions</td>
<td>9.5</td>
<td></td>
<td>237.50</td>
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<tr>
<td>Bay &amp; West</td>
<td>157</td>
<td>25.00</td>
<td></td>
</tr>
<tr>
<td>Arthur Ditch Company</td>
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<td></td>
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<tr>
<td>Institution</td>
<td>174.3</td>
<td>12.00</td>
<td>531.58</td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>534.62</td>
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<tr>
<td>Pleasant Valley &amp; Lake Canal</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wolfet Lease carries</td>
<td>2</td>
<td></td>
<td>133.50</td>
</tr>
<tr>
<td>Hahn Lease carries not owned</td>
<td>7</td>
<td>260</td>
<td></td>
</tr>
<tr>
<td>Thomas</td>
<td>1/2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>City of Greeley</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mt. &amp; Plains</td>
<td>300</td>
<td>5.00</td>
<td>1500.00</td>
</tr>
<tr>
<td>Total Assessments for 1949</td>
<td></td>
<td></td>
<td>$2799.03</td>
</tr>
</tbody>
</table>

Bay lease carries 5 shares City of Greeley, 38 Shares Arthur, 1½ shares Larimer Co. No. 2
Spohn Lease carried 4 shares of Arthur Ditch Water—annual assessment to be paid by Spohn
Hahn Lease carries 7 shares of Pleasant Valley and Lake Canal to be paid by the College but not in excess of $400.00 for taxes and water combined.
NOTICE TO STOCKHOLDERS
THE ARTHUR IRRIGATION COMPANY

April 13, 1955

The Northern Colorado Water Conservancy District has allotted The Arthur Irrigation Company 187 acre-feet of Colorado-Big Thompson water for 1955. This water was allocated to the Company on the basis of approximately two-thirds of the total amount of permanent allotments which have been applied for by stockholders under the ditch.

Your directors have met and attempted to work out the fairest possible method of allocating this water. In view of the small amount available, and since the Company was allotted water only because certain stockholders had made application for permanent allocations of Colorado-Big Thompson water, it was decided that those persons who had made application for permanent water would be permitted to buy this year's project water in proportion to the amount of permanent allotment to them, as shown by the books of The Northern Colorado Water Conservancy District.

Accordingly, the following stockholders are eligible to buy the amounts of water indicated:

<table>
<thead>
<tr>
<th></th>
<th>Permanent Allotment</th>
<th>1955 Allocation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Edna Ballou</td>
<td>50 acre-feet</td>
<td>32 acre-feet</td>
</tr>
<tr>
<td>Edwin E. Johnson</td>
<td>100 &quot; &quot;</td>
<td>64 &quot; &quot;</td>
</tr>
<tr>
<td>Charles Rigden</td>
<td>115 &quot; &quot;</td>
<td>75 &quot; &quot;</td>
</tr>
<tr>
<td>Adam Specht</td>
<td>25 &quot; &quot;</td>
<td>16 &quot; &quot;</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>290 acre-feet</strong></td>
<td><strong>187 acre-feet</strong></td>
</tr>
</tbody>
</table>

Cost of this water will be $2.60 per acre-foot, and all orders for it must be in the hands of the Secretary prior to 5:00 P.M., April 25, 1955. All orders must be accompanied by payment in full and checks should be made payable as follows: The Arthur Irrigation Company (Special).

THE ARTHUR IRRIGATION COMPANY

[Signature]
Secretary
Board of Directors
The Arthur Irrigation Company
Fort Collins, Colorado

Gentlemen:

Enclosed herewith is a letter received today from Colorado State University. If you wish me to take any further action, please let me know.

Yours sincerely,

Ronald H. Strahle

RHS:lh
cc:  H. C. Jolley
     E. F. Johnson
     Dave Greenwalt
     W. E. Code
     J. O. Anderson

Feb 24
Phoned my OK to Harry - after having consulted Johnson. His office told me that Strahles office told me that someone else had phoned in Johnson.
Arthur Irrigation Company
Fort Collins
Colorado

Attention: Mr. Ronald Strahle, Secretary

Gentlemen:

Colorado State University herewith requests permission to install a 6-inch water main across and under the Arthur Irrigation Company's canal between the south main campus and what is known as the Jesser tract. Said water main will be installed at a depth which will allow the placing of a four-inch concrete slab over the pipe with the top of the concrete a minimum of six inches below the present ditch bottom. The pipe line crossing will be clearly marked with a sign upon completion.

Please contact this office if any further requirements must be met regarding this crossing.

Very truly yours,

COLORADO STATE UNIVERSITY

Harry C. Repting, Plant Engineer
Physical Plant Department
Board of Directors
The Arthur Irrigation Company
Fort Collins, Colorado

Gentlemen:

Enclosed herewith are copies of a letter and a sketch received today from the Public Service Company. As you will note, they propose to cross your ditch at the point where it is intersected by Vine Street.

Please examine the enclosures and let me know if permission should be granted for this crossing.

Yours sincerely,

[Signature]

Ronald H. Strahle

RHS:1h
cc: E. E. Johnson
    H. C. Jolley
    Dave Greenwalt
    W. E. Code
    J. O. Anderson
    Dow Randleman
Mr. Ronald H. Strahle, Secretary  
Arthur Ditch Company  
First National Bank Building  
Fort Collins, Colorado  

Dear Sirs:  

The Public Service Company of Colorado is requesting that permission be granted for a 2" gas main crossing of the Arthur Ditch located on Vine Street.  

Enclosed, please find sketch of the proposed installation. If additional information is desired on the above request, please advise.  

Very truly yours,  

PUBLIC SERVICE COMPANY OF COLORADO  

Dow Randleman,  
Gas Engineering Department  

DE/jb  
Enclosure
SEC. 2
T7N-R6W
FORT COLLINS

Vine St.

WEST

ARTHUR DITCH

PL.

GRiffin

PARK

SEC. 11

PROPOSED 2" GAS MAIN CROSSING OF THE ARTHUR DITCH ALONG VINE ST.

DRAWN BY:
APPVD BY:

DATE: 3-12-58
COLORADO A & M COLLEGE MEMO

TO: [Surname] [Title]
FROM: Norman A. Evans
SUBJECT: Ditch Company Annual Meetings

REMARKS:

I have attended annual meetings of the Arthur Ditch Co. and Larimer County No. 2. Only routine business was transacted at both meetings. Larimer County No. 2 bought up all delinquent stock for the amounts of delinquency. The 1959 assessment was fixed at $25.00 per share—the same as in 1958. Mr. H. D. Spencer was elected chairman of the board of directors.

The Arthur Ditch Co. fixed the 1959 assessment at $3.00 per share. Discussion was held regarding the attempt by the City of Fort Collins to change the point of diversion of the Coy ditch and the Jackson ditch. It was agreed that the Arthur Co. would be damaged by such a change and that it should therefore oppose the action by the City.

It was decided that the Cache La Poudre Water Users Association should be supported by The Arthur Ditch Company, especially its principal activity of supplementing the salary of the River Commissioner. Since some reorganization of that Association is contemplated, the president of the Board of Directors was authorized to attend the reorganization meeting and the Board of Directors was authorized to consider the facts and if it deems advisable, to enter into an agreement with the Association.

The Board of Directors was also authorized to explore the feasibility of consolidation of the Sherwood and the Arthur Irrigation Companies. This will be a good step and it appears likely to be done. It will save needless duplication of bookkeeping and make the distribution of water easier for the ditch rider. This could pave the way for other consolidations, especially No. 2 New Mercer ditches.

Edwin E. Johnson was elected chairman of the Board of Directors.

Sent to: R. S. Whitney
Paul Byron
S. S. Wheeler
Lowell Watts
W. E. Code
D. W. Robertson
July 14, 1949

The Board of Directors,
The Arthur Irrigation Company
Fort Collins, Colorado

Gentlemen:

Re: Gilkison Drain Ditch

Investigation of the Company's records and also County records discloses the following facts:

1. In October, 1890 the Company employed William Rist, surveyor, to survey two drains having their initial points as follows:

   a - At a point which is North 39 deg. East, 350 feet from the Southwest corner of the NE ¼ of SE ¼ of Section 4, Twp. 7 North, Range 69 West of the 6th P. M.

   b - At a point which is South 71 deg. 20' West, 1300 feet from the Southeast corner of the NE ¼ of NE ¼ of Section 4, Twp. 7 North, Range 69 West of the 6th P. M.

Each of said drains was claimed to be 2 feet in depth, 1 1/4 feet in width, with a grade of 15 feet per mile, and each with a claimed capacity of 6.61 cubic feet per second, as shown by sworn statement of William Rist, dated January 6, 1891 and filed in the office of the County Clerk, File No. 269. A photographic copy of said file has been ordered, to be preserved in the Company's records.

According to the Rist survey, the two drains joined at or near the Southeast corner of the NE ¼ of the NE ¼ of said Section 4. From that point alternate routes are shown to the Arthur Ditch, one bearing North 66 deg. 40' East, 1430 feet, and the other bearing South 44 deg. 30' East, 1870 feet. Presumably only one of these was built, but no record has been found that discloses which of these two routes was chosen.

2. On June 1, 1901, The Arthur Irrigation Company entered into a contract with S. E. Moore to build 4600 feet of drain ditch, box drain, 2300 feet of which was specified to be one foot and four inches in the clear and 2300 feet, one foot and ten inches in the clear. On June 8, 1901, Company contracted with S. E. Moore for the construction of an additional 800 feet. Data in the office files identify this drain with what is shown as the "old drain" on the survey of James Andrews, made in 1946. The entire 5400 feet was built, as shown by receipt from S. E. Moore for full payment.

The lower end of this drain was to the County road. 5400 feet construction brought its upper end to within about 900 feet of
Gilkison's West line.

3. The proposal of A. T. Gilkison to the Company, dated December 5, 1905, is hereinafter set forth in full. At that date, A. T. Gilkison owned Lot 2 of the NE¼ and NE¼ of NW¼ of Section 4, Township 7 North, Range 69 West of the 6th P. M. and the S½ of the SE¼ and the SW¼ of Section 33, Township 8 North, Range 69 West of the 6th P. M. His "West line" referred to in the letter was the West line of said Section 33. The proposal of A. T. Gilkison was as follows:

"A. T. Gilkison & Co.  

"Board of Directors,  
Arthur Irrigation Co.,  
City.

Gentlemen:—

I herewith present you a proposition which I think if you accept will be a great benefit to the Company in regard to securing a permanent flow of water, but what amount, I am unable to say, but think it would more than double for the investment required. The proposition is as follows:

If the company will furnish lumber for boxing, nails, in fact, all materials required for a blind ditch delivered on ground, I will, at my expense, clean the ditch that the company built along the South side of the Railroad through my farm, commencing at my East line running in a Northwesterly direction to the end of this ditch. I will also continue the ditch on the South side of the Railroad through a low draw there something like 1,000 ft., put the ditch on grade from where it intersects the present ditch by the Railroad.

Now, I will do all this labor, clean the present ditch, put the boxing in, refilling, making the new ditch a thousand feet more or less, whatever distance may be required to strike my West line, providing you will comply with the above request in regard to furnishing the material laid down on the ground.

Or, if this proposition is unsatisfactory to you, I will figure with you on a basis of doing all the work and furnishing all the material myself, and you pay me so much for the water that I would develop in doing this ditching, which has its outlet in the Arthur Irrigation Company's ditch.
The Board of Directors, #3

July 14, 1949

"I hope you will consider this proposition favorably at once, and let me know as soon as possible, as I am anxious to have this work completed during the winter.

Yours truly,
(s) A. T. Gilkison

P. S. -- You are possibly aware that the present drain ditch that you have there as described above is an open ditch, and there is quite a flow of water in this ditch at present. However, the ditch is filling up rapidly, and it is only a question of a short time until this flow will be entirely checked, whereas if the ditch is boxed and the boxing covered, it will be a permanent water supply for all time.

(s) A. T. G."

The proposal of Gilkison was apparently not accepted. I have not been able to find any minutes of the Company for this period, but am of the opinion that there must be some in existence.

The existence of these drains for a period of more than 43 years evidences a perfect right to an easement, and the conditions under which the Gilkison drain was built do not imply any agreement to keep the land drained.


Minutes of the Directors' meeting of March 6, 1911 show the proposition of C. N. Glover (the owner of the NW 1/4 of Section 3, Twp. 7 North, Range 69 West, through which said Gilkison Drain Ditch passed to the Arthur Ditch) show as follows:

"The C. N. Glover proposition, to the effect that he would furnish about 800 feet of 15 inch drain tile for the Gilkison Drain Ditch free of charge, provided the company would make the present drain 15 inches deeper, place the tile and cover the ditch, was accepted, and the President and Secretary were authorized to enter into a permanent contract with said Glover."

The following is a copy of the Glover Contract, entered into on March 9, 1911 by C. N. Glover and the Company:
This Agreement, Made and entered into this 9th day of March, A.D. 1911, by and between C. N. Glover, of the County of Larimer and State of Colorado, party of the first part, and THE ARTHUR IRRIGATION COMPANY, a corporation, herein-after designated 'THE COMPANY', party of the second part, WITNESSETH:

WHEREAS, The Company is the owner of that certain drainage ditch, known as 'The Gilkison Drain Ditch', and entitled to all the waters flowing therein and developed by said drain, which said ditch runs in a diagonal direction across the premises of the party of the first part, to-wit, the northwest quarter (NW 1/4) of Section three (3), Township seven (7) North, Range sixty-nine (69) West, entering said premises at a point near the County Road at a point in proximity to the north line of Taft Brothers property; and

WHEREAS, The same is an open drain ditch, which the parties hereto are desirous of deepening, tiling and covering, for a portion of the distance through the premises of first party;

IT IS THEREFORE COVENANTED AND AGREED as follows:

Said party of the first part agrees, within a reasonable time to furnish said company with eight hundred (800) feet, more or less, of fifteen (15) inch concrete drain tile at his own expense, and to deliver said tile at said drain without any charge or expense whatsoever to said Company. Said Company, on its part, agrees to dig, at its own expense, said drain where the same runs diagonally across the upper part of the field of first party, to a depth of fifteen (15) inches below the present bottom of said drain, provided, however, that quicksand is not encountered thereby, in which event said drain shall be dug only to such depth as may be practically done owing to said quicksand. Said Company further agrees to place said tile therein and cover the same free of expense to first party. That portion of said drain ditch running along the line of the premises of first party and the Taft premises to be cleaned and tiled at some future date, to be fixed and determined upon by the parties hereto.

It is further understood and agreed, by and between the parties hereto, that any and all additional water, of every nature and character whatsoever, whether seepage, drainage or percolating, developed by the deepening of said drain, or that shall or may hereafter be developed by reason of said drain, is and shall become the sole property of The Arthur Irrigation Company, its successors and assigns, and inure to the benefit of its stockholders.
"It is further understood and agreed that said party of the first part shall have the right and privilege to discharge into said drain, free of charge, any and all waters belonging to said party of the first part, when not needed or used by him in the irrigation of his premises; but all such waters so discharged as aforesaid shall become the sole property of the Arthur Irrigation Company, its successors and assigns, and inure to the benefit of its stockholders.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands and seals this the day and year first above written.

(s) C. N. Glover
Party of the First Part.

THE ARTHUR IRRIGATION COMPANY
By (s) H. H. Griffin
President

Attest:
(s) Winton N. Ault
Secretary.

Party of the second Part."

On April 6, 1911, the Company entered into a contract with James E. Smith, whereby Smith agreed to dig the said drain in Glover's field to a depth of 15 inches "below the present bottom of the ditch, to place and open the tile and cover the same, and also to clean the remaining portion of the said drainage ditch to the point where the same emptied into the Arthur Ditch, all for the sum of $100.00 to be paid, upon the satisfactory completion of said work."

5. There are numerous references in the minutes to the crossing under the C. & S. Ry. of the Gilkison Ditch, culminating in the decision at Directors' meeting of April 29, 1915 "to again run the ditch under the railroad and to use Armco pipe under the railroad."

6. In 1923, the matter of pumping underground waters in this locality was investigated and attorney's opinion and engineer's reports were received. The Engineer, C. R. Heath, reported on December 28, 1923, that the cost of a pumping plant would be about $4000.00 and that "half that amount expended in another tile line on each side with some laterals would be much surer to get the required water."

7. The minutes of the Annual Stockholders' meeting of January 8, 1946 show as follows:
"President Johnson explained the necessity of putting in a new 12" drain line to take care of certain seepage and drain waters below the Irmi Woods farm, which drain was estimated to cost about $2630.00. Upon motion of Mr. Vandevark duly seconded and carried, it was declared to be the opinion of the stockholders that the Directors should proceed to install said drain."

James Andrews, Surveyor, made a survey in 1946 showing the lines of both the old and new drains, West of the County road in Section 4 (copy of which is in this office).

It appears that this new 12" pipe parallels the old one and empties into same at the County road. You thus have two 12" drains emptying into one pipe of 15" diameter. Some investigation would appear to be warranted for the purpose of ascertaining whether the single pipe has sufficient capacity to carry the water produced above the junction.

8. Nothing in the record anywhere suggests any agreement by the Company to drain anyone's land. There would probably be an implied obligation to keep the drains in working order—that is, free from stoppage below the old woods place. For that reason I have presented the general situation as to the entire drain system.

9. Mr. H. H. Griffin was President of the Company for the years 1911, 1912, 1913, 1914 and 1916, and possibly some other years. Mr. James Andrews was employed to survey some changes in the location of the Arthur Ditch many years ago, and it might be that one or both of the above named gentlemen might have information that would be of some value to the Board.

This report may need to be supplemented by information which may be developed in the future, and is the fruit of about three days' search of the records of the Company.

Respectfully,

[Signature]

Thomas J. Warren

TJW:MBH
CHRONOLOGY  JOHN R. BROWN DITCH

May 1, 1865 - Priority date of John R. Brown Ditch

April 11, 1882 - Court Decree, 8 cu. ft. per second

April 11, 1884 - Numbering changed


Dec. 19, 1905 - Change Pt. of Diversion to City Pipe Line, 4 cu. ft.

June 7, 1907 - Change Pt. of Diversion to Larimer Co. #2, Tom Beach

April 13, 1906 - Lease from City of Fort Collins to L. C. Canal #2 99 years

May 14, 1908 - Contract between Thomas Beach and Larimer County Canal #2 for carriage of four feet

March 22, 1921 - Change of Pt. of Diversion 1/2 cu. ft. to City P. L.

Febr. 6, 1920, Excerpt from Arthur minutes, Directors' Meeting:

"Upon request of Mr. Charles Wetzler Mr. Watrous presented the following matter; a good many years ago Mr. James Arthur who was then the President of the Company requested and obtained a deed to a right of way through a portion of his (Wetzler) premises for ditch purposes that said deed of right of way has never been used from that day to this and is unlikely that it ever would be used. Wherefore upon motion duly put seconded and unanimously carried the President and Secretary were authorized and instructed to execute a Quit Claim deed reconveying to said Wetzler the premises in question."

Comment: The deed from Wetzler was dated Febr. 5, 1902, and conveyed to the Company a strip of land 30 feet wide along the South boundary of the railroad to the South line of the Wetzler lands in NE 1/4 of NE 1/4 of Sec. 4, T. 7 N., R. 69 W. No reconveyance appears in the County records within the next five years after the Directors' action, and I am quite certain none was ever executed. Wetzler's deed to the Company contains the following: "This sale is not intended to change in any manner affect any of the conditions specified in contract now in force between said parties further than the change of location of right of way for ditch."
CHRONOLOGY DRAIN WATERS GILKISON DRAIN

Jan. 6, 1891  Claim on drainage waters filed  Record Page

Nov. 17, 1900  Deed for right of way (East 1888 feet, Sloan to Company  File 279

Feb. 1, 1901  Deed and Contract of Company with Gilkison, Fothergill and Wetzler  Book 159, P. 70

March 23, 1901  Company contracted with S.E. Moore for construction of 4600 feet of drain  Office Files

June 8, 1901  Company contracted with S. E. Moore for construction of drain to total length of 5400 feet  Office Files

July 8, 1901  Final settlement with S. E. Moore  Office Files

Feb. 5, 1902  Charles Wetzler, et ux. deeded to Company in NE 1/4 of NE 1/4 of Sec. 4  Book 184, P. 8

Dec. 5, 1905  Gilkison proposed by letter to the Company to extend the drain to his west line - 1000 feet more or less - never so extended  Apparently not accepted


Jan. 17, 1907  Change of Point of Div. 4 cu. ft. John R. Brown Ditch to Tom Beach  D.C.R. N - 435

March 9, 1911  Contract between C. N. Glover and Company to tile and cover open drain, 800 ft. more or less in NW 1/4 of Sec. 3, Twp. 7 N., R. 69 W.  Not recorded

April 6, 1911  Contract with James E. Smith for deepening and constructing tile drain (Glover)  Not recorded

Feb. 6, 1920  Minutes of Arthur Directors, authorizing reconveyance to Wetzler, never executed  Company's record

March 22, 1921  Change of Point of Div. 0.5 cu. ft. John R. Brown Ditch to City  D.C.R. 104 - 548

1946  Survey by James H. Andrews  Map in office

1946  Constructed parallel and connecting drain in SE 1/2 of NE 1/4 of Sec. 4

June 29, 1946  Quit claim deed from Josephine Lamb  Book 818, P. 190

[Signature]
Office of the President

November 18, 1954

Arthur Ditch Company

C/o Mr. T. J. Warren

Avery Building

Fort Collins, Colorado

Dear Mr. Warren:

On November 9, 1954, I conferred with you in your office regarding proposed plans at Colorado A and M College which would extend its campus streets from the east campus to the west campus and would extend a 12" steam heat line from the east campus to a new dormitory under construction on the west campus. These extensions will, therefore, necessitate the construction of two new bridges across the Arthur Ditch and the construction of a concrete heating line duct under the Arthur Ditch.

One new bridge will replace the present farm lane bridge which crosses the Arthur Ditch in the immediate vicinity of the college swine pens. Location of the other new bridge is immediately west of the present bridge which spans the Arthur Ditch approximately 150 ft. southeast of Ray M. Green Hall. The extension of the 12" heat line duct would cross underneath the Arthur Ditch about 30 ft. south of the farm lane bridge.

A brief description of these new bridges to be constructed and financed by the College is given herewith for your information:

Both bridges will be 52 ft. wide, this width being necessary in order to permit the construction of a paved street 40 ft. in width with two sidewalks 6 ft. in width on either side of these streets crossing the bridges.

An unobstructed span of 19 ft. across the ditch through which water may flow will be provided. This new span will be 3 ft. wider than the existing span under the old bridges.

Minimum clearance between the bottoms of bridge beams and the bottom of the ditch will be 4' 6" in height, or approximately 10" greater clearance than the existing clearance under the old bridges.
The tunnel under the ditch in order to accommodate a 12" heat line will be approximately a 3' x 3' concrete duct, the top of which is to be 6" lower in elevation than the low point of the ditch.

For your further information, Professor W. E. Code was consulted by our College Engineer, Mr. H. C. Hepting, regarding specifications for these bridges. Specifications for the heat line duct are approximately the same as those used when a new sewer line was constructed recently under this ditch and which specifications were approved by Professor Code also.

Employees of the Department of Buildings and Grounds at the college due to their work schedule need to begin the construction of these bridges approximately December 20, 1954. The College respectfully requests approval to proceed with the construction of these new facilities over and under the Arthur Ditch. Should you or any of the directors of the Arthur Ditch Company desire to inspect the old bridges and discuss specifications for the new bridges, be assured that either myself or Mr. H. C. Hepting will be very happy to assist you in any way possible.

Consideration at an early date of this request for permission granted by the board of directors of the Arthur Ditch Company to Colorado A and M College to proceed with these construction projects and notice of its decision will be greatly appreciated.

Respectfully yours,

/s/ H. L. Dotson
Vice President
Inspection of Arthur Ditch Conduit

April 11, 1958

This inspection was carried on in cooperation with the Fort Collins City Engineer by W. E. Code, member of the Ditch Board, and Don Moore of the City Engineer's office. Three members of the City engineering staff assisted in opening and closing manholes. To facilitate the inspection, children's play wagons were used for transportation. The section between LaPorte Avenue south to its terminus was completed on the afternoon of April 11, 1958.

The conduit was entered at LaPorte Avenue. Two long longitudinal cracks were observed before Mountain Avenue was reached. Not considered serious. There are 2 manholes in the alley between Mountain Avenue and Oak Street. The replacement section of 1957, required because of complete failure of the floor, is approximately between these 2 manholes. There is a transverse crack in the floor north of the north manhole a short distance and 2 longitudinal cracks and some evidence of heaving farther north. South from the south manhole there is a serious long crack in the floor and evidence of a 2 to 4 inch rise near the center.

A 12-inch stop board was found at the manhole on the north side of Oak Street. This was removed. Debris of tin cans and bottles were lodged against it which should be thrown out by the ditch rider. Some small longitudinal cracks south. There is a section under part of Oak Street perhaps 75 feet long where the vertical clearance has been reduced to about 3 feet. From here south to the newer construction on the University campus, small longitudinal cracks were numerous. These are believed to be caused by natural differential settlement and I do not consider them serious.

Between the manholes on Loomis near Olive and the one at Whitcomb much silt and sand was encountered. It would appear that velocities were lower in this section.

One rather serious matter was discovered in the quality of concrete used in the floor both sides of the manhole near Whitcomb and Magnolias Streets. It can be best described as "rotten" concrete, the surface having entirely disintegrated. There are something like 100 or 200 feet of such concrete.
Oversized documents not scanned

See originals in folder

Water Resources Archive
Colorado State University Libraries