

RECORD OF PROCEEDINGS

100 LEAVES

MINUTES OF A REGULAR MEETING OF THE BOARD OF DIRECTORS OF THE PUEBLO CONSERVANCY DISTRICT

March 24, 1941

A meeting of the Board of Directors of The Pueblo Conservancy District was held at 2 P.M. March 24, 1941 in the office of the District, 207 Colorado Building.

Directors present: John M. Holmes, president, W. T. Mathis and Frank Pryor Jr.

The meeting was presided over by John M. Holmes, president

Minutes of the meeting of January 13, 1940 were read and correction made on second paragraph as follows: That it was agreed among the members of the Board that John M. Holmes was directed to work with the various agencies on this project (Union Avenue south end repairs) and therefore full authority to decide any matters involving the Board on purchase of materials, etc. was given to Mr. Holmes and that reasonable compensation be paid for such services given.

The attached report of inspection of levees made last May by Ross R. May was read by John M. Holmes and upon motion made by Mathis and seconded by Mr. Pryor the report was ordered filed. It was thought advisable that another inspection be made of the levees within sixty or ninety days if Mr. May could do so on some weekend when he is in Pueblo. (Report of May 22, 1940 attached hereto)

Lawson sale

Sale of the land west of the City by the South Side Water Works dam was reported, the land having been sold to W. A. Lawson for the sum of \$1500.00 - \$500.00 being paid as a down payment and notes being made for payment of \$200.00 a year including interest at 6% until balance is paid. Motion was made by Mr. Mathis that this transaction be approved. Mr. Pryor seconded the motion, the vote being unanimously in favor of same.

McGovern sale

Further reference to sale of land in old river channel below Main Street to McGovern Coal Company was made. A letter dated October 28th, 1940 from Mr. McGovern was read asking that the purchase price offered Feb. 27, 1939 of \$450.00 be reduced to \$300.00 for a piece of ground approximately 300' long and 150' feet wide. Also a letter of January 15th, 1941 from John McGovern (also attached hereto) telling of an additional 16' facing on Main St. that was brought out in survey of V. R. Blackburn and for which they offer the District \$10.00. Motion was made by Mr. Pryor that the additional 16' of ground be included in the sale at an additional \$10.00 making the total sale price of \$310.00 instead of the \$450.00 originally offered. The same conditions regarding existing levees, legal expense in preparation of the deed, surveying of the ground and recognition of the 50' easement of the Southern Colorado Power Company to be considered in the carrying out of this transaction. Mr. Mathis seconded the motion, the vote being unanimous in favor of the sale as above outlined. Mr. Holmes reported that the transfer of title is being worked out between Mr. Rose, Langdon and Barbrick and The Southern Colorado Power Co. attorneys.

Mr. Holmes gave a detailed and complete report of the completion of the work done at the south end of Union Avenue Viaduct as per the attached final report of Engineer Ross R. May; purchases made and vouchers drawn for same; and disposal of tools and small

CHARLES M. ROSE
ATTORNEY AT LAW
THATCHER BUILDING
PUEBLO, COLORADO

February 1, 1941

John H. Holmes
c/o Holmes Hardware
Pueblo, Colorado

Dear Sir:

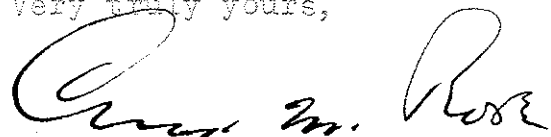
In connection with the sale of a portion of the old river channel by the Conservancy District, please note that the sale for private use of property acquired by eminent domain proceeding is sometimes questionable; the rule being that the remnants of property so acquired and devoted to public use may be sold. I do not think we should raise this question if the sale is otherwise desirable, as we give only a Quit Claim Deed, and the buyer has doubtless received proper legal advice in that regard.

Under our agreement with the Power Company we have a continuing obligation to build and maintain a retaining wall in the event that the rest of the channel is utilized by us or our assigns. Accordingly, we should require two things in that connection; first, that the purchaser should assume all obligations and liabilities to the Power Company, and second, that the Power Company should agree to releasing us and agree to look only to the purchaser.

In other words, if we're going to sell this piece of property I assume that what you desire is to be free of any commitments or liabilities whatever, in connection with the same.

I immediately took this up with Mr. Preston after receiving your phone call, but he reported that Mr. Clark was away for a day or two and upon his return, I assume that the matter will be closed in some way.

Very truly yours,



Chas. M. Rose

CMR/ulp

THE McGOVERN COAL CO.

COLORADO COALS

Phone 881

Pueblo, Colo.

January 15, 1941

Mr. John Holmes, President
Pueblo Conservancy District
Colorado Building
Pueblo, Colorado

Dear Mr. Holmes:

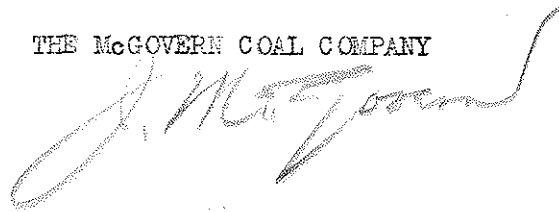
On December 20, we enclosed you ~~one~~ check for \$300.00 for the purchase of property from the Conservancy District lying on the East side of Main Street in the old river channel. The approximate width of this was mentioned as being 100 feet by 300 feet.

We employed V. R. Blackburn of the Blackburn Engineering Company to survey this property and we find that there is 116 feet lying on Main Street in addition to the 50 foot easement to the Southern Colorado Power Company. A blue print of this survey is enclosed.

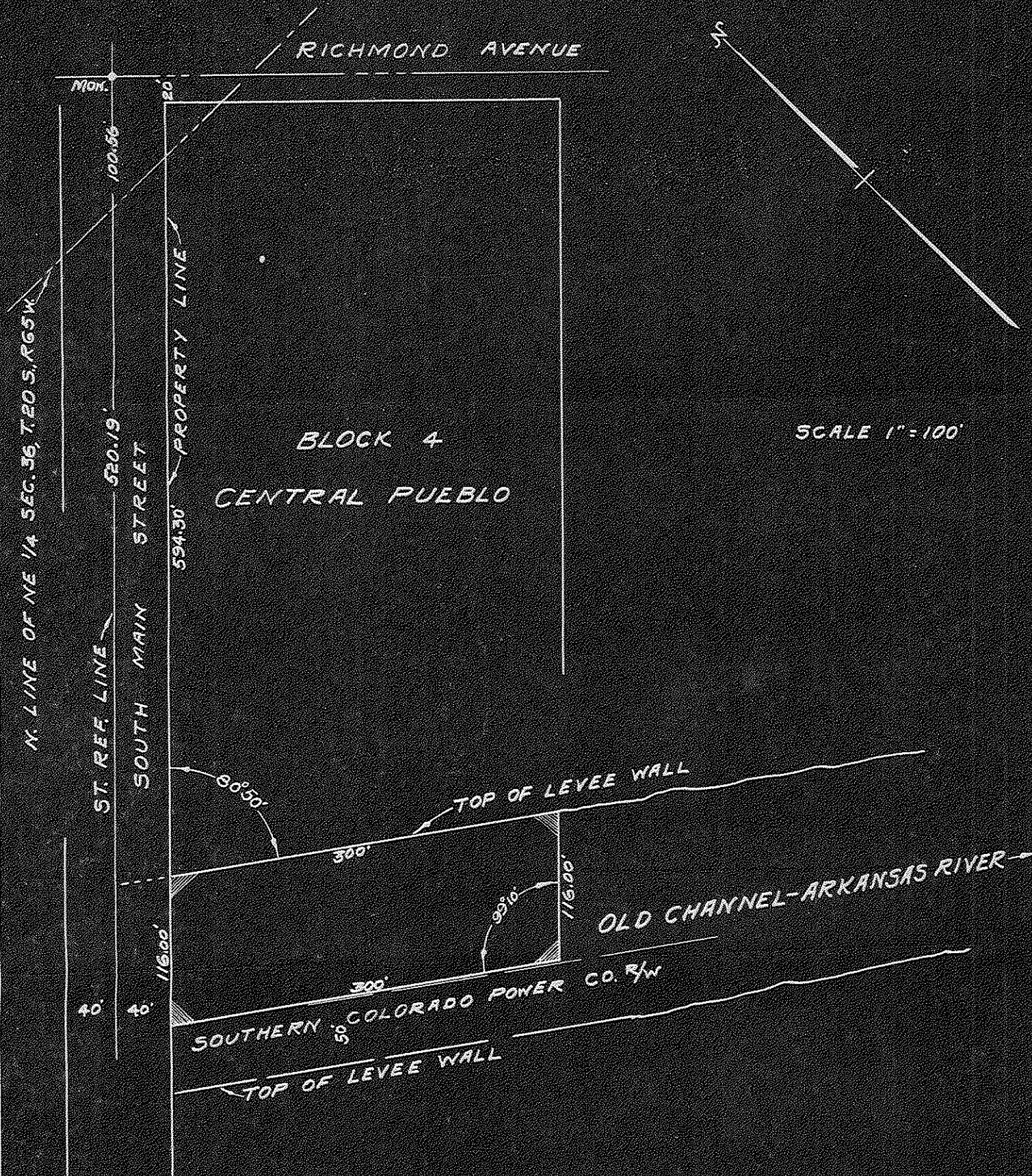
This leaves a strip of 16 feet that we would like to have your board include in the deed that you make to us, and for that additional footage, we offer you the sum of \$10.00. We hope that this will meet with your approval and that you will make the deed read 116 feet by 300 feet instead of the 100 feet by 300 feet as mentioned in the letter of December 20. Our check to cover this offer is enclosed.

Respectfully,

THE McGOVERN COAL COMPANY



JMcG/vg



BLOCK 4
CENTRAL PUEBLO

SCALE 1"=100'

Pueblo, Colorado.

December, 27, 1940

This is to certify that we have made a survey for the McGovern Coal Company of a portion of the old Arkansas River Channel, in the NE 1/4 of Section 36, Twp. 20 S., Range 65 W. of the 6th. P.M., within the City and County of Pueblo, State of Colorado and described as follows.:

"Beginning at a point on the Easterly property line of South Main Street and a distance of Five hundred ninety-four and three tenths (594.3) feet Southwest of the Northwestern corner of Block 4, Central Pueblo, as recorded; thence Southern along the top of the Northerly river levee, at an angle of 80° 50' measured in the Easterly quadrant from said Easterly property line of South main Street, a distance of Three hundred (300) feet to a point; thence Southwesterly, and parallel to said Easterly property line of South Main Street, a distance of One hundred and sixteen (116) feet to a point; thence Northwesterly, at an angle of 99° 10' measured in the Northerly quadrant, a distance of Three hundred (300) feet to a point where the Northerly line of the Southern Colorado Power Company Right of Way intersects the Easterly property line of said South Main Street; thence Northerly along the said Easterly property line of South Main Street, a distance of One hundred and sixteen (116) feet to the point of beginning." Containing 34,800 square feet.

Blackburn Engineering Co.
Pueblo, Colorado.
By *W. R. Blackburn*
Colorado State License #1239

December 21, 1940

McGovern Coal Company
Pueblo, Colorado

Attention: Mr. John McGovern

Dear Mr. McGovern:

This will acknowledge receipt of yours of December 20th enclosing check for \$300.00.

Personally, I can see no reason whatsoever why you should not start whatever construction you want, just as soon as your survey is made and accepted by the Conservancy District and accompanied by an agreement between you and the Southern Colorado Power Company.

In other words, you are buying a piece of land. When it is determined just exactly where that land is and is checked by the Conservancy District in connection with the City Engineer, then you know just what the land is and it is yours.

A receipt will be sent to you covering your remittance of \$300.00 by our secretary, Mrs. Cross.

Yours very truly,

THE PUEBLO CONSERVANCY DISTRICT

J. W. Holmes
President

JMH:VM
cc-Mrs. Cross

(C O P Y)

THE MCGOVERN COAL COMPANY
Pueblo, Colorado

December 20, 1940

Mr. John Holmes, President
Pueblo Conservancy District
Colorado Building
Pueblo, Colorado

Dear Mr. Holmes:

You will find enclosed our check for \$300.00 for the purchase of the property from the Conservancy District east of Main Street in the river channel, 100 by approximately 300 feet.

As requested by you, we have authorized an engineer to survey this property as promptly as possible and this expense will be paid by us.

We are now working out with the Southern Colorado Power Company an arrangement that will be satisfactory to them as suggested in your letters of Nov. 7, 1940 and March 9, 1939.

A copy of the engineer's survey, and the Southern Colorado Power Company's easement arrangement will be mailed to you as soon as completed.

We are anxious to start construction as soon as possible and will appreciate your advising us whether or not it will be satisfactory to you for us to start building about January 1st.

Respectfully,

THE MCGOVERN COAL COMPANY

(Signed) John McGovern

THE McGOVERN COAL CO.

COLORADO COALS

Phone 881

Pueblo, Colo.

October 28, 1940

Mr. John Holmes, President
Pueblo Conservancy District
Colorado Building
Pueblo, Colorado

Dear Mr. Holmes:

Will you take up with your board members at your next meeting our request for modification of your letter to us of March 9, 1939. A copy of this letter is attached.

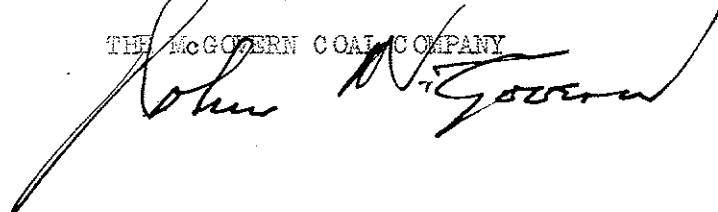
We ask that you please reduce the purchase price to \$300.00 and that you allow this price to include the strip of land 100 by 600 feet instead of the 100 by 300 feet as stated in the above mentioned letter. Other conditions as outlined in this letter are satisfactory.

Quite recently we have had estimates on the cost of filling this property so that a building could be constructed and these estimates are way beyond what we had anticipated, thus our asking for this modification.

We would appreciate your giving this your earliest consideration. Thanking you we are,

Very truly yours,

THE McGOVERN COAL COMPANY



vg

THE McGOVERN COAL CO.

COLORADO COALS

Phone 881

Pueblo, Colo.

March 9, 1939



John McGovern,
The McGovern Coal Co.,
Pueblo, Colorado.

Dear Mr. McGovern:

At a meeting of the Pueblo Conservancy District Directors held yesterday afternoon your letter of February 27th regarding purchase of a strip of ground 100 x 300 feet in the old river channel east of Main St. street crossing for \$450.00 was read. Your offer was accepted, subject to the following conditions:

1. That the levies as now existent along this old river channel remain undisturbed.

2. That, because of the low figure at which this rather considerable piece of ground is being sold - you pay any costs as to surveying of ground to learn the exact description of same; and any legal expense in preparing a deed, which should incorporate the recognition of the now existing easement of the Southern Colorado Power Company for 50 feet adjoining this piece of ground and keeping the District harmless in any agreement entered into between yourselves and the Southern Colorado Power Company.

Our office will be glad to cooperate with any attorneys you use in description of ground or in any way you might wish.

Yours very truly,

The PUEBLO CONSERVANCY DISTRICT

By Winifred Cross
Secretary

WC

Cabin Creek - Willow Creek - Red Oak - Canon Monarch

FUEBLO CONSERVANCY DISTRICT

Report of Inspection of Levees

May 22, 1940

About 200 feet downstream from the Dry Creek Bridge there are several small voids under the top of the slope paving slabs which should be investigated and filled.

The levee paving in the vicinity of the D. & R. G. W. ice house shows a definite break in the slope at approximately the original ground line, indicating settlement of the levee section, but the levee has extra thickness in this entire area and appears safe.

About 500 feet east of the west end of the parapet wall several slabs of slope paving show settlement at about the original ground line and above, but the concrete is intact and apparently safe. The north face of the parapet wall in this vicinity shows surface corrosion, probably due to steam from engines, as boilers are washed in the adjacent yards,

At the east end of the D. & R. G. W. Round house wall, the parapet wall to the east has settled, showing break of about three inches from its former connection with the round house wall. There is also a void in the embankment at the junction of the levee paving with the round house wall east wing, which should be investigated and filled.

At the west side of the north abutment of the lower D. & R. G. W. R.R. bridge, one slab of slope paving is cracked and settled about five inches at approximately the original ground line. This should be investigated, any void filled if possible and crack sealed with plastic material. Also at the east side of the same abutment, the top portion of one slab has settled, leaving a section of the parapet wall suspended, the end supported on the wing wall of the bridge abutment. There is also a void in the embankment at the junction of the slope paving and abutment wing wall which should be investigated and filled. The crack in the slope paving should be sealed with concrete or plastic material to prevent further loss of embankment when void is filled.

At the west side of the north abutment of the Santa Fe Ave. bridge, the slope paving slab has settled about two inches leaving crack under the corresponding wall of the bridge abutment. This crack should be filled with plastic material.

On the south levee there are several breaks in the concrete slope paving approximately at low water level, both below and above the Santa Fe Ave. bridge. Only one of these is now visible because of higher water in the channel. Whenever the flow of water permits, these holes should be filled and repaired with concrete.

At the west side of the south abutment of the Santa Fe Ave. bridge there is some settlement of the slope paving and a crack in the portion of the bridge abutment retaining wall adjacent, but not of serious consequence.

There are several voids in the embankment of the South levee under the top of the paving slabs, at points from 100 to 300 feet west of the Rush Street Sewer. These may extend down the entire slope to the holes in the levee paving referred to above, and should be investigated and filled after the concrete slope is repaired.

A considerable flow of water in the river prevents inspection of the lower portion of the slope paving along the entire length of the levee at this time.

Rosa H. May

RECORD OF PROCEEDINGS

100 LEAVES

equipment to the City of Pueblo. It was moved by Mr. Mathis that this work be approved in its entirety and that Vouchers No. 10310 to 10495 covering period of this work (listed below) be approved as read. Mr. Pryor seconded the motion, the vote being unanimous in favor of same.

10310	Southern Colorado Inv. Co.	41 00
10311	State Compensation Insurance Fund	2 55
10312	First National Bank, Pueblo	73 86
10313	Samuel T. Jones Jr.	30 00
10314	The Middelkamp Agency Co.	50 00
10315	Cecil A. Lee	50 00
10316	E. D. Spruill Agency	5 00
10317	R. G. Breckrndige, Jr.	50 00
10318	A. A. Shaver & Co.	50 00
10319	Winifred Cross	100 00
10320	Southern Colorado Inv. Co.	41 00
10321	City of Pueblo	454 32
10322	Continental Oil Co.	4 50
10323	The Newton Lumber Co.	148 50
10324	King Inv. & Lumber Co.	133 65
10325	Robinson-Gardner Hardware Co.	88 59
10326	Pueblo Hardware Co.	268 34
10327	Southern Colorado Inv. Co.	41 00
10328	Winifred Cross	100 00
10329	First National Bank, Pueblo	27 00
10330	City of Pueblo	752 96
10331	Robinson-Gardner Hardware Co.	1 90
10332	Arthur & Allen	10 25
10333	Pueblo Hardware Company	183 32
10334	The Newton Lumber Company	24 48
10335	Leonard Allee	161 00
10336	Continental Oil Co.	22 50
10337	The Standard Fire Brick Company	200 40
10338	Colorado Fuel & Iron Corp.	129 68
10339	Colorado Fuel & Iron Corp.	428 49
10340	Pueblo Hardware Company	71 18
10341	The Newton Lumber Company	720 44
10342	The Standard Fire Brick Company	10 84
10343	The Continental Oil Company	11 69
10344	Leonard Allee	168 00
10345	Arthur & Allen	878 50
10346	Ross R. May	250 00
10347	Southern Colorado Inv. Co.	41 00
10348	Winifred Cross	100 00
10349	The Newton Lumber Company	297 50
10350	Fountain Sand & Gravel Co.	328 28
10351	Weicker Transfer & Storage Co.	12 27
10352	Colorado Fuel & Iron Corp.	218 99
10353	City of Pueblo	872 07
10354	Colorado Fuel & Iron Corp.	99 88
10355	Holmes Hardware Company	3 10
10356	Fountain Sand & Gravel Co.	604 57
10357	Robinson-Gardner Hardware Co.	7 36
10358	Weicker Transportation Co.	7 60
10359	Standard Fire Brick Company	11 70
10360	Pueblo Union Depot and RR Co.	5 00
10361	Leonard Allee	161 00
10362	Arthur & Allen	375 00
10363	Continental Oil Co.	13 50
10364	E. F. Gobatti	16 17
10365	Pueblo Hardware Company	20 77
10366	Ross R. May	250 00
10367	Winifred Cross	100 00
10368	Southern Colorado Inv. Co.	41 00
10369	C. F. & I. Corp.	15 54

PUEBLO CONSERVANCY DISTRICT

PUEBLO, COLORADO.

* * *

FINAL REPORT

ARKANSAS RIVER SOUTH BANK IMPROVEMENT

U. S. A. PROJECTS 4577 and 4536

* * *

1940 - 1941

PUEBLO CONSERVANCY DISTRICT

W.P.A. Projects No. 4377 and No. 4536. Arkansas River South Bank Improvement
Pueblo, Colorado.

Ever since the construction of the new Arkansas River channel by the Pueblo Conservancy District in 1924 and 1925, the south bank of the new channel along the original bluffs has shown much seepage, causing an unstable condition of the bank between Main Street and a point several hundred feet west of Union Avenue. This slipping has resulted in the loss of much bank material, breakage and loss of sewers along Corona Ave. and Bluff St. and threatened the stability of the south abutment of the Union Ave. viaduct. During the summer of 1938 the flow of water in the channel maintained a higher average than for a number of years, and although there were no serious peak flows, the continuous flow along the toe of the south bank washed away the slide material causing more than the usual amount of slippage of the bank, especially in the area immediately east of Union Ave. The new steel pipe intercepting sewer which crossed under the river channel about 70 feet east of Union Ave., shifted several times, broke away from the manhole at the top of the slope, and became very difficult to maintain.

The condition of the Union Ave. viaduct abutment appeared serious and City and Conservancy District officials discussed the possible remedies. A tentative plan was drawn, contemplating drainage of the bank in the immediate vicinity of the abutment, concrete toe wall at bed-rock, concrete slope paving in front of the abutment, concrete buttress beams under the paving at the abutment pier, and steel sheet piling wing walls. The cost of the work was to be borne by the Pueblo Conservancy District and was estimated at approximately \$25,000.00.

Although the plan met with more or less general approval and it was agreed that it would provide sufficient protection for the viaduct, it was desired to extend the protection farther up and down stream in order to remedy the serious bank slipping in other places. The cost of such work, however, was beyond the limited funds of the District and the work was temporarily delayed pending securing additional funds from some other source. During 1939, revised plans were drawn by the City Engineer's office, extending the work to Main St. and to a point 800 feet west of Union Ave., substituting grouted stone slope paving for the original concrete. A W.P.A. project was approved for the work with the Pueblo Conservancy District, as sponsor, supplying funds to the extent of approximately 25 per cent, but not to exceed \$25,000.00. Under this project, W.P.A. No. 4377, work started January 23, 1940. During February after the project was under way, it was decided to extend the work an additional 250 feet westward in order to tie in to a hard shale bank at this point, providing a better anchorage for the upstream end of the bank protection. This addition, with several changes in the approved plans, required a revised estimate and application to the W.P.A. which was prepared in March and included changes to cover the cost of work done to date as well as the additional work; deduction for the elimination of the steel sheet piling wing walls no longer needed; addition for the substitution of 8 feet of reinforced concrete toe wall instead of stone masonry; addition to cover the cost of the drainage work done to date

which materially exceeded the original estimate. The revised estimate as submitted follows, in condensed form:

Item	P.O.D.	W.P.A.	Total
1. Buttresses	318.30	737.42	1055.72
2. Concrete Toe Wall	5063.90	2473.90	7537.80
3. Concrete Slope Paving	1259.60	898.69	2158.29
4. Replacing 8" Steel Pipe Sewer	1320.00	516.93	1836.93
5. Sub-soil Drainage	2278.46	9487.21	11766.17
6. Stone Slope Paving	11082.36	50231.08	61313.44
7. Overhead	2270.00	7400.40	9670.40
Totals	\$23592.62	\$71746.13	\$95338.75

The application was approved by the W.P.A. and assigned a new project number, 4536.

From the early part of March, with improvement in the weather, work progressed on the various items of the project, often simultaneously, as each item fitted into the general construction program. For the purpose of this report, however, each item will be discussed separately without regard to chronological order.

1. Buttresses.

Three reinforced concrete buttress beams, each $3\frac{1}{2}$ feet wide, 6 feet deep and approximately 40 feet long, were built from bed rock to the front of the three round pier sections of the south abutment of the Union Ave. viaduct. The slope of these beams is identical with that of the concrete slope paving which rests directly on them, hiding them completely from view. The footing sections of the beams extend approximately 2 feet vertically and 5 feet horizontally into the bed rock, with $1\frac{1}{2}$ " dowel pins set 2 feet into the rock, one foot extending, spaced about 2 feet apart. These footings were poured April 8, 9 and 10 while the concrete toe wall construction proceeding in this location. On April 10th after the east beam footing had been poured, at about 1 P.M. rain started falling, turning to wet, heavy snow. Water from the storm drain suspended almost immediately above the footing overflowed the temporary flume and washed the concrete badly. The ground immediately east of the beam excavation had been very wet and heavy, with some slipping, and the rain and snow aggravated the condition to the extent that movement of the mass of heavy slide material pushed the freshly poured concrete beam footing about 2 feet out of line westward before the movement stopped and the concrete set. On April 15th after the ground had dried considerably and the movement abated, an additional 2 feet was excavated on the east side of the beam footing, and poured with concrete to compensate for the previous movement, so that this beam footing is approximately $5\frac{1}{2}$ feet instead of $3\frac{1}{2}$ feet wide. The remaining portions of the beams were poured May 27, 28 and 31.

Quantities.	Concrete	71 cubic yards.
	Cement	314 sacks
	Gravel	46 cubic yards
	Sand	28 cubic yards
	Reinforcing steel	1655 pounds

2. Concrete Toe Wall

During February a dragline was rented to excavate for the trench at the toe of the slope in the river bottom and to build a dike lengthwise in the channel to divert the flow of the river to the north part of the channel, permitting work along the toe of the south slope. Using a compressor and rock breakers a trench was then excavated in the rock at the toe of the slope, approximately 2 feet wide and 2 feet deep, the depth depending on the firmness of the rock. 1 1/2" dowel pins were set in the trench at 2 foot centers, 2 feet into the rock, one foot extending. The trench and approximately 6 feet of slope were poured with concrete 12" thick, reinforced with steel. (See attached plan) Work on the toe wall started at the west end of the project where the wall connects with a concrete cut-off wall of similar construction about 10 feet into the shale bluff. The first concrete was poured March 18th and continued eastward without interruption to the east line of Union Ave. on April 15th. Because of the large amount of heavy wet excavation required in the next 100 feet beyond Union Ave. the dragline was again employed to move this material. The bank slippage increased, however, under the weight and vibration of the machine, which was then moved to the Main St. end of the project and excavated the loose material from the toe wall trench, westward to the slide area. On April 10th while the dragline was again working in the slide area, the slipping increased under the machine, the condition made worse by the rain and snow of that date, and it was decided to remove the machine and complete the excavation by hand. Hand and air drill excavation of the trench in the rock had followed the machine from Main St. westward, and pouring of concrete was resumed April 16th at the Main St. end. On April 19th the toe wall trench had been excavated into the bed rock for most of the remaining distance (approximately 95 feet) when another slide occurred, closing the trench in the shale, indicating that the slipping was on a plane somewhere in the upper layers of the shale. The trench was re-excavated, deeper into the shale, short sections (approximately 10 feet) at a time, steel reinforcing increased, dowel pins doubled, sections of old steel rails placed horizontally in each slab, and concrete poured immediately. Following this procedure the toe wall was completed May 14th.

Wherever seepage water was encountered in the excavation for the toe wall, weep pipes, of from one to three inches diameter, were placed through the wall to permit free flow of the water from behind the wall. One slab directly east of Union Ave. poured on April 18th shows a few cracks on the surface and two cracks on the under side at the east end, due to the lifting action of the slide of April 19th, but no further movement or fracture has been observed at this or any other place. The large amount of heavy, wet, sticky material excavated by hand in the area east of Union Ave. was done with much inconvenience and excessive labor cost. Because of the risk involved in placing the dragline in the river bottom at this season of the year with no quick means of escape in case of flood, hand excavation seemed to be the only alternative.

Quantities	Concrete	494.6	cubic yards
	Cement	2468	sacks
	Sand	243	cubic yards
	Gravel	389	cubic yards
	Reinforcing Steel	23007	pounds
	Length of wall	1412	lin.ft.

3. Concrete Slope Paving

The bank slope area in front of the Union Ave. viaduct south abutment was paved with concrete 12" thick, reinforced. This paving rests directly on the top surface of the three buttress beams, connects with the toe wall at the bottom of the slope, and rests against the concrete beam connecting the tops of the three caisson type piers. With the three buttress beams this completely encloses the bank material in front of the abutment against further slipping. Six 2" weep pipes were placed in the concrete face above the toe wall to handle any future seepage, although the material above the toe wall was dry at the time of construction. The concrete was all poured between June 1 and June 10.

Quantities	Concrete	56	cubic yards
	Cement	262	sacks
	Sand	23	cubic yards
	Gravel	45	cubic yards
	Reinforcing Steel	1080	pounds

4. Replacing 8" Steel Pipe Sewer

At the time of construction of the Pueblo Sewage Treatment Plant in 1938 intercepting sewers were constructed crossing under the river bed. One of these sewers, of 8" extra heavy steel pipe with welded joints, crossed the river about 70 feet east of Union Ave in one of the worst slide areas. Since construction it had moved several times pulling away from the manhole in Bluff St. at the top of the bank, and in 1939 one of the joints in the river bottom near the south bank separated, one end of the break moving downstream about 10 feet and discharging directly into the river channel. The portion of this sewer south of the break to the top of the slope was removed and replaced to conform with the new paved bank, lowered into a trench in the bed rock under the toe wall and connected with the original line at the break. Because of the difficulties of maintaining deep excavations in the river bottom below water level, the joints were made by placing sleeves over the pipe ends, caulking with oakum and enclosing the entire joint in a block of concrete, which also acted as an anchor after completion. Joints on the slope above water level were rewelded. Sewage was diverted through a by-pass during the moving period, but was returned to the steel pipe as soon as possible.

The work was done between May 13 and May 29. It was very inconvenient and disagreeable because of the soft condition of the ground due to rain and seepage, and the extreme weight of the pipe itself. The dragline was employed one day to excavate the material in the trench area across the river bottom and to build dike around the excavation. Pumping was done with one 3" gas motored centrifugal pump. The work in the river bottom was completed on May 27th and during the night of May 28th the first spring flood flow, 1437 c.f.s., washed out part of the protecting dike and flowed into the

south part of the channel, reaching a height about one foot below the top of the concrete toe wall.

Only a small amount of new pipe was required to relocate the sewer and this was furnished by the City.

5. Sub-soil Drainage

It was agreed that the success of the entire project depended upon successfully handling the seepage water in the bank. The indeterminate nature of this work made detail plans impossible although the general procedure determined upon was to construct an intercepting tile drain along the streets at the top of the slope for the entire length of the project, and supplement this with whatever additional drains seemed necessary as the work progressed.

The first phase of the work, therefore, was the construction of an 8" tile drainage system along Corona Ave. from the west end of the project to Union Ave., thence along Bluff St. to the alley, thence southward approximately along the alley and swinging westward behind the Union Ave. buildings, where a swampy condition existed. A branch line was also extended into the swampy area south of Corona Ave. near Station 9 and outlets were constructed near Station 3 and at a point approximately at the alley east of Union Ave. Approximately 1000 feet of 8" tile was laid in the main lines and 50 feet of 12" in the outlet lines, depths varying from 3 to 23 feet. This work was done under great difficulties because of the extremely cold weather and frozen ground, but was completed about March 1st.

The next stage of the drainage system consisted of placing weep pipes in the concrete toe wall as its construction progressed. Wherever seepage occurred in the excavation for the toe wall, pipes of 1" to 3" diameter were placed through the concrete wall. These pipes not only provide permanent drainage, but were necessary to permit placing of the concrete without serious washing before setting.

As the preparation of the slope above the toe wall progressed, similar weep pipes were placed to handle all minor seepage. However, several major flows of water were encountered which required other methods. As referred to under Item 2, Concrete Toe Wall, the dragline was employed to start excavation east of Union Ave, but abandoned the work because of excessive slipping of the bank. On May 2, working from the street level, dragline operation was resumed in this area and in an effort to disclose the source of the excessive seepage, the area was excavated a considerable distance back of slope grade. A strong flow of water from the shale bank about half way up the slope and about 70 feet east of Union Ave. was exposed with several smaller seeps between that and the viaduct, at approximately the same elevation. A 6" perforated corrugated metal pipe was laid, parallel to the river, below the lowest seepage and approximately 15 feet behind the slope grade, with a 15 foot branch at right angles, up the slope at approximately 30° angle, to intercept the main flow at the source; also 15 feet of outlet line to carry the flow through the slope paving. A small flow near the Union Ave. viaduct abutment was picked up in a 6" tile line emptying into the west end of the perforated pipe. During the period when the sewer was diverted through the by-pass for work on the 8" steel pipe, a considerable increase

in the seepage was noted in this area, probably due to the increased pressure in the sewer, and two 3 $\frac{1}{2}$ " pipes and one 6" pipe, each about 18 feet long, were placed to intercept the largest flows as far back in the bank as possible before backfilling. This flow abated after the sewer was returned to its original line.

A strong flow emerging from an old broken tile behind the Union Ave. viaduct abutment at the west side was confined in a 6" tile line, discharging from the slope directly in front of the abutment pier. A 15" and 18" line was laid to carry storm water from the two catch-basins on Corona Ave about 300 feet west of Union Ave. Approximately 285 feet of 6" tile was laid in five sections, parallel to the river, between Stations 4 and 9, to carry excessive seepage from a layer of yellow clay in the shale bank, about half way up the slope. This layer continues more or less unbroken throughout the west part of the project.

The old drain from the east sidewalk grill at Union Ave. consisting of 42 feet of 30" corrugated metal pipe and 20 feet of old 10" iron pipe, was removed and replaced with 66 feet of 18" concrete pipe. A drain was placed at the Southern Colorado Power Co. tower to provide drainage for the low area to the southward, dammed up by the new fill bringing Bluff St up to grade level with Union Ave. A grille was placed in the street railway tracks at the low point south of the viaduct to facilitate surface drainage. This grille was connected to the east catch-basin with 8" tile, and an additional curb inlet casting was installed, practically doubling the capacity of the catch-basin inlet. Near Station 9 an old brick culvert carries a considerable flow of water from the swampy area immediately south, also serving as outlet for the west end of the Corona Ave. drainage line. This culvert is of much larger section than necessary and was extended to slope by placing 12 feet of 18" concrete pipe and sealing the remainder of the larger end section with stone masonry. The surface drainage ditch on the north side of Corona Ave. west of the project was diverted into two 18" concrete pipes, with stone headwall, to carry storm water under the fill at the west end of the project and discharge onto the rock paving below the top of the slope.

During the summer a flow of water developed through the joints at the base of the stone masonry retaining wall along the south line of Corona Ave. Some tile had been laid behind the wall at the time of construction, but the drainage was not complete. At three places near the center of the wall drainage lines of 6" tile were laid to connect with the tile behind the wall, carry the seepage under the wall and into the Corona Ave. main drainage line. This work was completed Jan. 7, 1941.

Quantities. The exact quantities of drainage pipe, tile, etc. used on the project are not available for several reasons. Much usable tile of various sizes was salvaged from the various excavations, also from other projects, and used whenever practicable. A large quantity of iron pipe of various sizes was salvaged on the work, consisting of old guard fence posts and other pipe exposed in excavations. Whenever it was in usable condition such pipe was used for weep pipes. Similar pipe was supplied by the City at various times without charge. Known quantities used are listed below, - the actual quantities will be in excess of these amounts:

	6"	8"	12"	18"	Specials, bends etc.
Tile, lin.ft.	428	1026	42		8
Corrugated Metal, l.f.	146				2
Concrete, lin.ft.				266	

6. Stone Slope Paving

The large amount of excavation and fill required to bring the bank slope to uniform line and grade before laying rock paving, made it advisable to employ the dragline for the heaviest part of this work. Although not contemplated in the original plan, this machine work speeded up the program and materially decreased the labor cost. The dragline was also used to build a portion of the lower part of the bank fill for a distance of about 400 feet west of Union Ave. by casting material from the river bottom. Although material was later received from other sources to make the balance of the fill, this work made possible the laying of the first lift of stone slope paving before the advent of high water in the river in early summer. Slope excavation beyond the reach of the dragline was done by hand. This was slow, laborious work, and of necessity the excavated material was lost down the slope. Much fill material was received throughout the summer from other City and W.P.A. projects and from the excavation for the Southern Colorado Power Co. plant addition.

It was desired to pave the slope above the concrete toe wall with stone approximately 12" thick, with cement grout in the interstices. The nearest known supply of suitable rock was about 6 miles west of Pueblo where sandstone cliffs outcrop along the sides of dry arroyos. The quarrying operation consisted of gathering up as much as possible of the suitable loose stone in the district and cutting to approximately 12" thickness for laying. At some places where feasible rock was cut from the solid cliffs. A compressor and jackhammer were used for drilling, otherwise all operations including loading of the rock into trucks, were done by hand. After being hauled to the river bank site and dumped at the top of the slope, the rock was loaded onto an improvised stone boat made of a sheet of boiler plate, slid down the bank with cable attached for control, unloaded by hand, and the empty boat hauled back to the top by a truck. The first row of stones was laid with the long dimension up the slope in order to tie the joints to the reinforcing rods left projecting from the top of the toe wall concrete at 12" centers. Succeeding layers were laid horizontally, or parallel to the river.

The lower layer, approximately 9 to 12 feet slope distance, was laid first and grouted, throughout the length of the project in order to provide the greatest amount of early protection against possible flood water during the spring and early summer.

Spalls and chips were placed in the joints, the surface was washed with a hose immediately before grouting, and excess dirt and mud cleaned from the joints. Grout consisted of sand and cement mixed wet enough to flow freely into the joints. It was mixed at the top of the slope, poured in chutes to a box at the top of the area to be grouted, wheeled along the top of the area in wheelbarrows, dumped on the slope and brushed down the slope and into the joints with stiff brooms.

The first rock was laid April 23d and progress continued steadily to completion on December 23d. In general, grouting followed the rock laying closely until the middle of November when unseasonably cold weather limited grouting to days warm enough to avoid freezing. Grouting was completed January 10th, 1941.

Quantities

Month	Stone Paving Laid sq.yds	per day	Stone Paving Grouted sq.yds.	Cement used sacks
April	282	47.0	-	25
May	1030	57.2	896	291
June	1185	62.4	1523	482
July	1227	76.7	912	237
August	1535	96.0	1765	467
September	1817	106.9	2012	498
October	2410	120.7	2111	552
November	1992	124.5	803	184
December	1229	94.5	1689	409
January	-	-	996	205
Totals	12707	90.1	12707	3350

7. Overhead

The item shown on the cost record as 7- Overhead, covers the cost of miscellaneous tools and supplies not otherwise allocated, and the salaries of City and District employees. From the start until March 7th the sponsor's interest in the project, including engineering, was under the supervision of City employees. After March 7th these duties were taken over by the District engineer, but other City employees, from mechanical, street and sewer departments were included as their services were required. Rentals for City Equipment have been distributed to the various construction items.

8. Guard Fence.

Although not contemplated in the original plan, a guard fence consisting of stone masonry posts at 15 foot centers, with two $\frac{3}{8}$ " galvanized cables, was built along the top of the paving for the entire length of the project, and across Bluff St. at Union Ave. In the spaces between the posts, a concrete curb was poured as a finishing header for the rock slope paving. Construction of stone posts started November 20 and was completed January 4. Curb was poured only on suitably warm days, starting December 6 and finishing January 10, 1941.

Quantities.

	Number	Cubic feet	Lin.ft.	Cement used sacks
Fence	-	-	1430	-
Posts	96	1223	-	151
Curb	-	1854	1236	214
Cables	2	-	2828	-

Miscellaneous.

It was desired to carry the top of the slope paving level between Union Ave. and Main St., but this required a fill of about 8 feet at the low point near the alley. This fill was made with material received from other W.P.A. and City projects and from the excavation for the Southern Colorado Power Co. plant addition. The base of the transmission line steel tower at the alley was protected with walls of concrete poured to encase the steel to a height of 6" above the new street grade. Since this concrete work could not be participated in by the W.P.A. it was contracted and the cost divided equally between the City, Power Company and Conservancy District.

W.P.A. requirements limit the working hours during the month, and consequently much good working weather was lost especially during the summer months. This loss of good weather days prolonged the work into the early winter when unusually early cold weather and snow during November seriously delayed the completion of the project, as much of the grouting, guard fence posts and curb was required to wait for suitably warm days to avoid danger of freezing.

The class of laborers employed on the project was typical of similar W.P.A. projects. A large majority of the men were Mexicans, Italians and Negroes, with little experience on similar work, especially with reference to reinforced concrete. Although very little deliberate shirking or loafing was noted, the pace was slow, and the productivity far below that of laborers on similar contract work. As each particular item of the work progressed, and the men became familiar with the requirements, improvement was noted. This was especially noticeable in the daily average of rock slope paving laid, which increased steadily from 47.0 sq.yds. per day in April to 124.5 sq.yds. per day in November.

The early spring and summer weather was especially favorable for the work, particularly that in the river bottom. The flow of water in the river was unusually low during March, April and May, when higher water might have been disastrous to the construction. The summer was hot and dry. The first serious inconvenience from weather came on November 12 when a snow was followed by several days of unusual cold. The flow of water in the river, as reported daily in the newspapers and condensed for this report, follows:

Month	High c.f.s.	Low c.f.s.	Average c.f.s.
March	208	58	129
April	152	0	79
May	1437	58	519
June	1491	615	951
July	1520	100	477
August	4600	50	400
September	5000	86	523
October	450	69	182
November	356	119	215
December	376	20	251

Respectfully submitted,

Rose G. May
Engineer

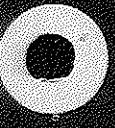
FUEBLO CONSERVANCY DISTRICT

ARKANSAS RIVER SOUTH BANK IMPROVEMENT
COST DISTRIBUTION

Jan. 15, 1941

	Cost	Estimate	Per cent Used
1. Buttresses			
a. Form Lumber	58.67		
b. Sand and Gravel	81.90		
c. Cement	148.75		
d. Reinf. Steel	56.87		
x. Equipment Rental	140.00		
Total	486.19	318.30	152.8
2. Concrete Toe Wall			
b. Sand and Gravel	638.86		
c. Cement	1325.44		
d. Reinf. Steel	885.32		
x. Equipment Rental	2392.15		
Total	5241.77	5063.90	103.4
3. Concrete Slope Paving			
a. Form Lumber	.99		
b. Sand and Gravel	51.42		
c. Cement	148.75		
d. Reinf. Steel	43.20		
x. Equipment Rental	72.00		
Total	316.46	1259.60	25.2
4. Replacing 8" Steel Pipe Sewer			
d. Steel Pipe	45.09		
x. Equipment Rental	41.50		
Total	86.59	1526.00	6.6
5. Sub-soil Drainage			
a. Lumber	306.63		
d. Pipe	409.54		
e. Misc. Supplies	266.32		
x. Equipment Rental	1048.17		
Total	2030.66	2278.46	89.0
6. Stone Slope Paving			
a. Stone	631.75		
c. Cement	37.50		
e. Misc. Supplies	46.46		
x. Equipment Rental	6884.29		
y. Team Rental	1539.50		
Total	9139.50	11082.36	82.5
7. Overhead			
a. City Employees	1426.67		
b. District Employees	2500.00		
c. Small Tools, Supplies	804.82		
Total	4731.49	2270.00	208.0

	Cost	Estimate	Per cent Used
8. Guard Fence			
d. Hardware	258.27		
9. Special Items			
a. Power Co. Tower	53.00		
Grand Total	22548.95	23592.62	94.7



TYPICAL SECTION

Channel Bottom

Intersection of Slope with Rock - Line Variable
Expansion Joint every 20 feet

PLAN
Scale 1" = 10'-0"

Continuous Concrete Cut-off Wall to Elevation of Top of Corresponding North Levee

ELEVATION
WEST END

3" x 8" spaced 12"
3" x 8" spaced 12"

DETAIL SECTION
Scale 1" = 1'-0"

5" x 4" spaced 12"
5" x 8" spaced 12"

Expansion Joint

to variable foundation

DETAILS
CONCRETE TOE AT

BASE OF ROCK SLOPE PAVING
PULFIELD CONCERNANCEY DISTRICT

WPA PROJECT 4577

FRM

Mar. 9, 1940

263

Channel Bottom

Slope 1/2 : 1

Variable

Theoretical Bottom of Channel - Variable

Variable

3'-0"

1/4" x 1/2" bolts
5' in. apart
Spaced 2'

FUEBLO CONSERVANCY DISTRICT

ARKANSAS RIVER SOUTH BANK IMPROVEMENT
 COST DISTRIBUTION, TOTAL P.O.D. & W.P.A.

Jan. 15, 1941

	P. O. D.			W. P. A.			Total		
	Cost	Est.	% Used	Cost	Est.	% Used	Cost	Est.	% Used
1. Buttresses	486.19	318.30	152.8	352.84	737.42	47.9	839.03	1055.72	79.5
2. Concrete Toe Wall	5241.77	5063.90	103.4	6240.56	2473.90	252.0	11482.33	7537.80	152.3
3. Concrete Slope Paving	316.46	1259.60	25.2	-	898.69	0.0	316.46	2158.29	14.9
4. Replacing 8" Sewer	86.59	1320.00	6.6	138.18	516.93	30.5	244.77	1836.93	13.3
5. Sub-soil Drainage	2030.66	2278.46	89.0	9291.04	9487.21	98.0	11321.70	11765.17	96.3
6. Stone Slope Paving	9139.50	11082.36	82.5	35867.65	50231.08	71.5	45007.15	61313.44	73.5
7. Overhead	4731.49	2270.00	208.0	4861.74	7400.40	65.7	9593.23	9670.40	99.1
8. Guard Fence	258.27			1294.06			1552.33		
Power Co. Tower	58.00						58.00		
Fed. Materials and Rentals				2657.79			2657.79		
Totals	22748.93	23392.62	94.7	60723.86	71746.13	84.6	83072.79	95338.75	87.1

X

RECORD OF PROCEEDINGS

100 LEAVES

10370	City of Pueblo	\$ 911 84
10371	First National Bank, Pueblo	17,978 75
10372	R. M. Ogle	23 75
10373	Leonard Allee	157 50
10374	Arthur & Allen	25 75
10375	The Linde Air Products Co.	9 24
10376	King Inv. & Lumber Co.	17 60
10377	Continental Oil Co.	9 00
10378	City of Pueblo	867 13
10379	Hendire & Bolthoff Mfg. & Supply Co.	3 75
10380	Weicker Trans. Co.	23 60
10381	Pueblo Union Depot & RR Co.	5 00
10382	Holmes Hardware Co.	50
10383	Fountain Sand & Gravel Co.	382 91
10384	Pueblo Hardware Co.	16 13
10385	Standard Fire Brick Co.	6 34
10386	The R. Hardesty Mfg. Co.	110 68
10387	Ross R. May	250 00
10388	Southern Colorado Inv. Co.	41 00
10389	Winifred Cross	100 00
10390	Arthur & Allen	480 00
10391	First National Bank, Pueblo	55,850 00
10392	Wilmington Savings Fund Society	1,250 00
10393	Knights Life Ins. Co. of America	600 00
10394	Pueblo Hardware Co.	34 42
10395	Continental Oil Co.	9 00
10396	Arthur & Allen	461 50
10397	Leonard Allee	171 00
10398	Pueblo Union Depot & RR Co.	5 00
10399	City of Pueblo	902 56
10400	Fountain Sand & Gravel Co.	51 52
10401	J. H. Peck	41 07
10402	Underwood and Underwood	100 00
10403	Ross R. May	250 00
10404	Winifred Cross	100 00
10405	Southern Colorado Inv. Co.	41 00
10406	Bernstein Bros. Pipe & Machinery Co.	42 40
10407	Leonard Allee	140 00
10408	Arthur & Allen	53 25
10409	Fountain Foundry	15 00
10410	City of Pueblo	965 07
10411	Continental Oil Co.	9 00
10412	Pueblo Hardware Co.	8 39
10413	Standard Fire Brick Co.	44 52
10414	Driscoll Construction Co.	3 35
10415	Pueblo Union Depot and RR Co.	5 00
10416	Ross R. May	250 00
10417	First National Bank, Pueblo	71 60
10418	Winifred Cross	100 00
10419	Southern Colorado Inv. Co.	41 00
10420	City of Pueblo	1,078 92
10421	Arthur & Allen	80 00
10422	Leonard Allee	126 00
10423	Continental Oil Co.	4 50
10424	Pueblo Union Depot & RR Co.	5 00
10425	Pueblo Hardware Co.	13 05
10426	Standard Fire Brick Co.	7 16
10427	Ross R. May	250 00
10428	Winifred Cross	100 00
10429	Southern Colorado Inv. Co.	41 00
10430	M. Blatnik	56 56
10431	Arthur & Allen	90 50
10432	Continental Oil Co.	4 50
10433	Leonard Allee	119 00
10434	City of Pueblo	862 55

RECORD OF PROCEEDINGS

100 LEAVES

10435 Pueblo Hardware Company	18 88
10436 Driscoll Construction Co.	11 00
10437 Pueblo Union Depot & RR Co.	5 00
10438 Blackburn Engineering Co.	174 00
10439 Ross R. May	250 00
10440 Winifred Cross	100 00
10441 Southern Colorado Inv. Co.	41 00
10442 M. Blatnik	35 34
10443 Pueblo Hardware Co.	172 88
10444 Pueblo Union Depot & RR Co.	5 00
10445 Continental Oil Co.	4 50
10446 Leonard Allee	147 00
10447 Arthur & Allen	111 25
10448 City of Pueblo	908 79
10449 M. Blatnik	36 97
10450 Ross R. May	250 00
10451 Rocky Mountain Bank Note Co.	69 27
10452 Winifred Cross	100 00
10453 Southern Colorado Inv. Co.	41 00
10454 First National Bank, Pueblo	50,978 75
10435 R. M. Ogle	23 75
10456 Pueblo Hardware Co.	91 95
10457 Pueblo Union Depot and RR Co.	5 00
10458 M. Blatnik	41 46
10459 City of Pueblo	793 11
10460 Continental Oil Co.	9 00
10461 Leonard Allee	126 00
10462 Arthur & Allen	91 75
10463 Ross R. May	250 00
10464 Greene & West	2 50
10465 Middelkamp Agency Co.	2 50
10466 Southern Colorado Inv. Co.	41 00
10467 Winifred Cross	100 00
10468 First National Bank, Pueblo	161,850 00
10469 Wilmington Savings Fund Society	1,250 00
10470 Knights Life Ins. Co. of Phila.	600 00
10471 Winifred Cross	100 00
10472 Pueblo Union Depot & RR Co.	7 50
10473 Arthur & Allen	53 50
10474 Leonard Allee	63 00
10475 Continental Oil Co.	1 80
10476 Martin Blatnik	78 18
10477 Pueblo Hardware Co.	7 22
10478 Standard Fire Brick Co.	8 25
10479 City of Pueblo	456 51
10480 Ross R. May	250 00
10481 State Compensation Ins. Fund	3 00
10482 Southern Colorado Inv. Co.	41 00
10483 Pueblo Agencies, Inc.	92 50
10484 Greene & West, Inc.	92 50
10485 Middelkamp Agency Co.	92 50
10486 Cecil A. Lee	92 50
10487 A. A. Shaver & Co.	92 50
10488 Samuel T. Jones, Jr	30 00
10489 E. D. Spruill Agency	5 00
10490 Driscoll Construction Co.	1 50
10491 Winifred Cross	100 00
10492 Southern Colorado Inv. Co.	41 00
10493 First National Bank, Pueblo	1 35
10494 Winifred Cross	100 00
10495 Southern Colorado Inv. Co.	41 00

Mr. Holmes reported that it had been brought to his attention that the Board of Appraisers of the District had never been filled in following the deaths of Thomas Kelly and Will Keen

Appraisers

AND THAT IN HIS opinion Judge Leddy should be asked to appoint two men to fill in this Board in case it was ever needed. After discussion the Secretary was instructed to write a letter to Judge Leddy recommending that he appoint W. F. Howard and T. J. Downen to fill the Board of Appraisers. (copy of letter attached)

A letter was read from the City of Pueblo asking for title to certain lands touching upon South Santa Fe Avenue. Upon checking it was found these certain lots had already been disposed of so the Secretary was instructed to return the deed unsigned to the City of Pueblo and write S. F. Elliot to the effect that the District had no land to dispose of in that immediate vicinity. (letter attached)

A letter

A letter from A. L. Allen of Arthur & Allen was read asking for extension of lease on ground at Rock Canyon Barrier for another terms of years - to make five years in all. Since their present lease expires May 1st, 1942 it was moved by Mr. Pryor and seconded by Mr. Mathis that the lease be extended for four years from May 1st, 1942 the rental fee to be approximately \$120.00 a year as at present value - in cash or rock if needed - they to maintain all fences during the term of the lease. Unanimous vote approved this action, letter being ordered sent to Mr. Allen to acquaint him of this Board action (letter attached)

Another letter from A. L. Allen concerning ditch banks of ditch cut through land at Rock Canyon Barrier by Phil K. Hudspeth was read and the Secretary was asked to write a letter to Mr Hudspeth asking him to either slope the banks of his ditch at a given point or build a bridge so that stock or vehicles could cross the ditch and all land in that tract be available for grazing purposes. (letters attached)

The Secretary was asked to write a letter to Charles M. Rose asking him to present bills for legal work he does or conferences he has on the Conservancy District matters.

Reference was made to the amount of time the Board of Directors have given to the District without compensation of any kind and letter to Mr. Holmes (attached hereto) from Mr. Rose on this subject was read by Mr. Holmes. After some discussion of this matter the following resolution was presented by Mr. Mathis who moved its adoption:

BE IT RESOLVED That Directors Mathis and Pryor be and the same are hereby directed to be paid for time actually employed in the performance of duties as Directors of The Pueblo Conservancy District at the rate of \$5.00 a day for time so employed from March 8, 1934 to March 24, 1941 inclusive, the sum of One Hundred Twenty-five and no/100ths (\$125.00) each.

The motion was seconded by Mr. Pryor, the vote being unanimous in favor of same and vouchers being ordered drawn in the above amounts.

And the following resolution was presented by Mr. Pryor who moved its adoption:

WHEREAS, heretofore in connection with the construction of the Arkansas River south bank improvement, the necessity existed in behalf of The Pueblo Conservancy District for the employment of some person to act in a supervisory and managerial capacity in conduction said enterprise in the performance thereof in detail according to plans, and the Directors instructed John M. Holmes to proceed with said work accordingly in behalf of the District and aside from his duties as a Director,

March 26, 1941

Phil K. Hudspeth,
Pueblo, Colorado.

Dear Sir:

It has come to the attention of the Board of The Pueblo Conservancy District that the ditch you built across Section 36 for irrigation waters has such steep sides that part of the land we lease for grazing purposes is inaccessible. We ask therefore, that the banks of your ditch be sloped at a point to be designated by the Board or that a bridge be built at a designated point that will permit passing of cattle or vehicles from one side of this pasture to the side cut off by your ditch.

Thanking you for attending to this matter soon, we remain

Yours very truly,

THE PUEBLO CONSERVANCY DISTRICT

By

Secretary

cc - A. L. Allen

ARTHUR & ALLEN

CONTRACTORS

OFFICE
409 N. GRAND AVENUE
P. O. Box 1432

PHONE 122

EQUIPMENT YARD
FIRST AND GARDEN STREETS

PUEBLO, COLORADO

March 4, 1941

Board of Directors
Pueblo Conservancy District
Pueblo, Colorado

Gentlemen:


Some time ago the board gave a right-of-way to P. K. Hudspeth to build a ditch through which to take their irrigation waters from the river through a portion of Section 36.

When they built this ditch they built it in such a way that the walls are perpendicular, which does not permit either ourselves or our stock to cross.

We would like to ask you directors to have the said Hudspeth either slope the banks or build a bridge across the ditch to permit us to have access to that side of pasture.

Yours very truly,

ARTHUR & ALLEN

By 
A. L. ALLEN

ALA/DG

March 26, 1941

Arthur & Allen,
409 N. Grand Avenue,
Pueblo, Colorado.

Gentlemen:

Attention: A. L. Allen

At a meeting of the Board held March 24th, it was voted that your lease on Section 36 at Rock Canyon Barrier be extended for a term of four years - which with the one year your lease has to run would give you a lease of five years expiring May 1st, 1946 at the same rate as your present lease - approximately \$120.00 a year, you to maintain fences as before.

Yours very truly,

THE PUEBLO CONSERVANCY DISTRICT

By

Secretary

ARTHUR & ALLEN

CONTRACTORS

OFFICE
409 N. GRAND AVENUE
P. O. Box 1432

PHONE 122

EQUIPMENT YARD
FIRST AND GARDEN STREETS

PUEBLO, COLORADO

March 4, 1941

Board of Directors
Pueblo Conservancy District
Pueblo, Colorado

Gentlemen:

The Soil Conservancy department is creating a district which takes in the Livesey Ranch and will take in any land on which we have a five year lease.

Our lease on Section 36 (known as Barrier Dam) can be taken into this district and not only considerable work done, but a fence built by them on the north side of the river which would keep stock from coming in on us from that side.

Our lease expires on this section May 1, 1942 and if you directors can see fit we would like to have our lease extended for four years, or a new lease given us for an additional five years, we could have this work done.

We would be willing to pay the same rental that we have paid in the past, either in case or in kind.

Yours very truly,

ARTHUR & ALLEN

By


A. L. ALLEN

ALA/DG

March 27, 1941

S. F. Elliot, City Engineer,
Pueblo, Colorado.

Dear Sir:

In reply to your letter of March 12th, regarding land touching on South Santa Fe Avenue and deed which you prepared covering same. Upon looking at our records we find that the property in Block 21 Stanton & Snyders Sub. has all been disposed of. Lots, 1, 2 and 3 were deeded to St. Joseph's Church Society (Matt Kochevar representing them) last year in a deed which covered the small triangle fronting on "B" and Rush Streets. According to our records Lots 24, 25 and 26 were deeded over for a roadway along the river channel some years ago in the settlement on streets, bridges, etc. We disposed of Lots 27, 28, 29 and 30 in that Block some years ago to a man by the name of Pelta.

We are therefore returning the deed and your plat herewith and trust you can work out the matter with the above people.

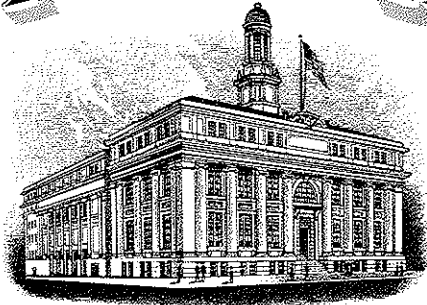
Yours very truly,

THE PUEBLO CONSERVANCY DISTRICT

By

Secretary

CITY OF PUEBLO



S. F. ELLIOT
CITY ENGINEER

C. R. STUDINSKI
ASS'T CITY ENGINEER
J. C. SEELYE
ASS'T CITY ENGINEER
R. T. LONGWORTH
ASS'T CITY ENGINEER
W. J. NAFF
CHIEF CLERK

PUEBLO, COLORADO

MARCH 12, 1941.

MR. JOHN M. HOLMES, PRESIDENT,
PUEBLO CONSERVANCY DISTRICT,
PUEBLO, COLORADO.

DEAR SIR:

THE CITY CONTEMPLATES AN IMPROVEMENT PROGRAM ON SOUTH SANTA FE AVENUE, IN THE NEAR FUTURE, IN CONJUNCTION WITH THE COLORADO STATE HIGHWAY DEPARTMENT. THIS IMPROVEMENT CONSISTS OF CURB AND GUTTERING, WIDENING THE PRESENT PAVING AND BRINGING THE ENTIRE STREET TO ITS FULL 100 FOOT WIDTH.

WE ARE INCLOSING HEREWITH A PLAN SHOWING THE INTENDED IMPROVEMENTS, TOGETHER WITH CERTAIN RIGHTS-OF-WAY THAT MUST BE OBTAINED BEFORE THE WORK PROCEEDS.

Pueblo Church Soc. -
THE RIGHT-OF-WAY WHICH YOU ARE CONCERNED WITH IS CIRCLED IN RED. WE BELIEVE THAT THE RIGHT-OF-WAY THROUGH LOTS 1 AND 2 IN BLOCK 21 SHOULD BE ACQUIRED IN ORDER TO STRAIGHTEN THE APPROACH OF "B" STREET ON TO SANTA FE AVENUE. WE ARE ASKING FOR A RIGHT-OF-WAY THROUGH LOTS 24, 25 AND 26, BLOCK 21, IN ORDER THAT WE MIGHT MAKE A SAFER APPROACH ON TO SANTA FE AVENUE FROM THE SIDE ROAD. YOU WILL NOTE THAT THE RIGHT-OF-WAY DESIRED HERE IS ABOUT 75 FEET SOUTH OF THE ARKANSAS RIVER BRIDGE, THEREBY MAKING A LONGER SIGHT DISTANCE.

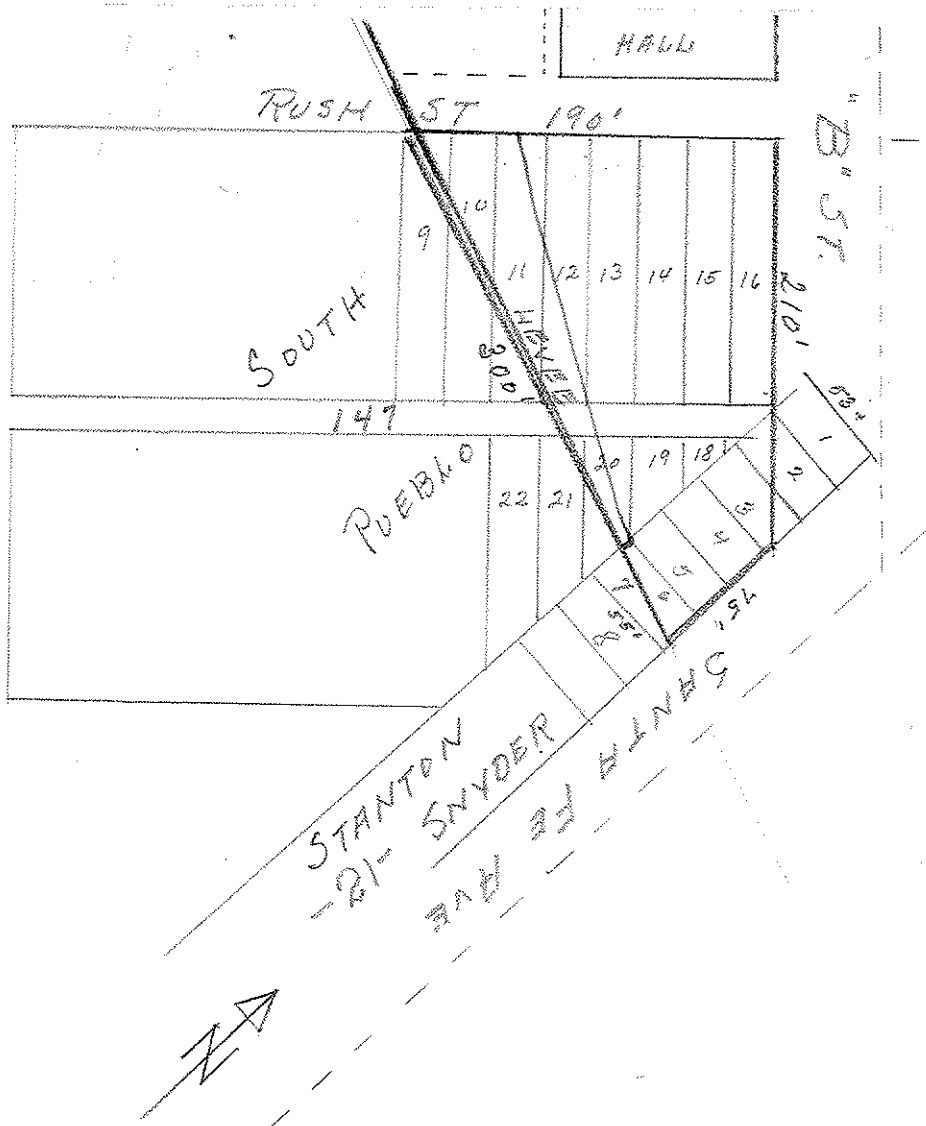
IN BRINGING SOUTH SANTA FE AVENUE TO ITS FULL ONE HUNDRED FOOT WIDTH, IT WILL BE NECESSARY EITHER TO CONSTRUCT A RETAINING WALL ALONG THE PROPERTY LINES OF SANTA FE AVENUE, OR ALLOW THE FILLED GROUND TO SLOPE ON THE ADJOINING PROPERTY, WITH A SLOPE OF ABOUT ONE AND A HALF TO ONE. THE CITY WOULD PREFER TO DO THE LATTER, IF POSSIBLE, OWING TO FINANCIAL REASONS. WE WOULD LIKE YOUR CONSENT, AT THIS TIME, TO THE WIDENING OF SANTA FE AVENUE BY USING THE SLOPE ADJACENT TO THE PROPERTY WHICH THE CONSERVANCY DISTRICT OWNS.

WE ARE ALSO INCLOSING HEREWITH A QUIT-CLAIM DEED COVERING THE ABOVE MENTIONED PROPERTY, WHICH BELONGS TO THE CONSERVANCY DISTRICT, WHICH WE TRUST YOU WILL EXECUTE AND RETURN TO US AS SOON AS POSSIBLE, IN ORDER THAT WE MAY PROCEED WITH THE WORK ABOVE SET FORTH. WE BELIEVE THAT IS TO YOUR BENEFIT INASMUCH AS THE CURB AND GUTTER AND PAVING EXTENSION WILL BE DONE WITHOUT CHARGE TO THE PROPERTY OWNERS.

VERY TRULY YOURS,

S. F. Elliot
S. F. ELLIOT,
CITY ENGINEER.

SFE/N.



MATT J. KOICHEVAR

Attorney-at-Law
427-8 CENTRAL BLOCK
PUEBLO, COLO.
TELEPHONE 5552

May 2, 1939.

Board of Directors
Pueblo Conservancy District
Colorado Building
Pueblo, Colorado

Gentlemen:

I am a member of the St. Joseph Lodge, a fraternal and benevolent society, which owns the lodge hall adjoining the property hereinafter referred to. The lodge has requested me to submit an offer to you for the small parcel of land circumscribed on the enclosed diagram by blue pencil lines. The lodge offers the sum of \$50.00 to the District for this parcel.

As you probably know this parcel of land is a small section which is bounded on one side by the Santa Fe Avenue embankment and on the other side by the conservancy dike and is of no value to anyone. It is the intention of the lodge, if you will accept their offer, to beautify this small triangular section by planting of grass and trees so that this unimproved land will not detract from its property. At the present time this land is always covered with weeds and presents a rather unsightly appearance.

Should the members of your Board desire to see this parcel I shall be glad to go with them and point out the parcel that is involved. I shall be glad to discuss the matter with you further should you desire to do so.

If this offer is accepted please advise and I will obtain a check in payment therefor from the lodge.

Very truly yours,

Matt J. Koichevar
M.J.K.
Matt J. Koichevar

MJK:MAR

March 26, 1941

Judge Harry Leddy,
Pueblo, Colorado.

Honorable Sir:

Charles M. Rose has called attention to the Board of The Pueblo Conservancy District that no appraisers were ever appointed to take the place of Thomas Kelly and W. D. Keen, both deceased. E. D. Spruill being the only member of the original Board of Appraisers now living.

At a meeting of the Board held Tuesday March 25th, it was requested that a letter be written to you giving you the recommendation of the Board for two men to serve as Appraisers to the Conservancy District when and if needed. Their recommendation for these appointments were:

W. F. Howard
T. J. Downen Jr.

both of these gentlemen being well-known and recognized in the real estate world of this city.

Yours very truly,

THE PUEBLO CONSERVANCY DISTRICT

By

Secretary

THE PUEBLO CONSERVANCY DISTRICT

BOARD OF DIRECTORS
JOHN M. HOLMES, CHAIRMAN
W. T. MATHIS
FRANK PRYOR, JR.

JOHN M. HOLMES, PRES.
WINIFRED CROSS, SEC'Y
R. C. THATCHER, TREAS.

PUEBLO, COLORADO

March 5, 1941

Mr. E. D. Spruill
Pope Block
Pueblo, Colorado

My dear Mr. Spruill:

According to Mr. Charles Rose, attorney for the Conservancy District, the district should have appointed two appraisers to take the place of Thomas Kelly and W. D. Keen. This, of course, will have to be done by Judge Leddy, under whose jurisdiction the district operates.

Would be pleased to either have a visit from you or you may call me on the 'phone expressing your views on the subject.

Trust I may hear from you in the near future.

Yours very truly,

PUEBLO CONSERVANCY DISTRICT

J. M. Holmes
President

JMH:VM

*Geo J. Downer
Wm F. Howard
Geo D. Minton
A C Erach
Damon Deacy*

March 25, 1941

Charles M. Rose, Attorney,
Thatcher Building,
Pueblo, Colorado.

Dear Mr. Rose:

At the Board of Directors meeting held yesterday afternoon Mr. Holmes made the statement that "Charlie Rose has done and does a world of work for the Pueblo Conservancy District from time to time and I think he should present a bill regularly for same." So I was instructed to write you this letter asking that you present bills for your legal services to The Pueblo Conservancy District to pay you at least in part for the time and information given.

Yours very truly,

THE PUEBLO CONSERVANCY DISTRICT

By

Secretary

RECORD OF PROCEEDINGS

100 LEAVES

AND WHEREAS, John M. Holmes has proceeded with said work and the same is now completed and the Board has examined the nature and extent thereof and determined the amount of reasonable compensation therefor,
 NOW, THEREFOR, BE IT RESOLVED That the compensation for the work above described be fixed at \$1175.00 and the same be paid to John M. Holmes for the work described, the same however to include all compensation as a Director for the years from March 1934 to March 1941 inclusive.

The motion was seconded by Mr. Mathis and upon being put to a vote was unanimously passed, the Secretary being ordered to draw a voucher for the above amount in favor of Mr. Holmes and to send copies of these two resolutions to Judge Harry Leddy for his records.

Mr. Mathis made a motion which was seconded by Mr. Pryor that Mr. Holmes go into the matter and see what could be done about erecting a barrier of some sort at the south end of West 4th Street bridge which would keep people from driving cars down along the river and into the river bed. Vote was unanimous and Mr. Holmes said he would proceed with this matter and see what could be done.

Motion was made by Mr. Pryor and seconded by Mr. Mathis to ratify action of the District in the sale of tax certificates as listed below:

No. 85551 V. I. Prevost \$9.27; 64692; 70742; 75059; 77828; 90448; 83201; 85379; 88018; 90784 \$Matt Kochevar Adminis. Estate of Mary Podkomorski \$229.08; 78111; 87907; 85618; 88284; 90621; 91046 Anna M. Savant \$143.22; 88053; 90821 H. B. Castellar \$149.70; 61650, 64827, 70968, 75350, 78104, 90617, 87903, 85613, 88280, 91042, 64828, 70969, 75351, 78105, 85614, 87904, 88281, 90618, 91043 to Dean Zook \$416.24; 81044 to Minnie M. Gaulke \$49.50; 85341 to L. Bongiorno \$10.38; 88249, 87977, 91016 to John A. Kasel \$19.14; 90998 to Al Bensik \$23.95; 70843, 78222A, 77960, 85484, 87807, 88130, 90522, 70844, 75200, 77961, 90523, 87808, 85485, 88131, 90894, 77962, 90524, 87809, 85486, 88132, 90896, 77963, 90525, 87810, 85487, 88133, 90897 to Southern Colorado Power Company \$195.53; 2448, 2449, 56327, 58168, 59869, 61671, 64855, 71006, 75399, 78150, 90645, 87937, 85653, 88319, 91079 to M. B. Littell \$105.07; 90830 to Geo. D. Weston \$919.35; 61641, 70949 to John Dremelj \$13.03; 90840 to Wm. Milne \$192.97; 88046; 90714, 90812 to Ed McCabe \$45.63; 88262, 91027 to Victor Sevsek \$14.71; 90734, 91024 to George Pelc \$10.97; 2426, 2427, 56314, 56315, 58158, 59854, 61652, 64829, 70970, 75353, 78107, 90620, 87906, 85616, 88283, 91045 to Carl K. and Ruth M. Wetzig \$350.73; 70925, 75300, 78067, 90600, 90698 to Edith M. Snedec \$350.73. Upon being put to a vote the motion was passed unanimously.

There being no further business to come before the meeting it was upon motion, adjourned.

Richard Cross
 Secretary

April 5, 1941

Judge Harry Ledy
Court House
Pueblo, Colorado

Dear Judge:

As per 'phone conversation, I enclose you for your files, resolution which I read to you over the telephone the other day.

This resolution was drawn by Attorney Rose.

Yours very truly,

PUEBLO CONSERVANCY DISTRICT

President

JMH:VM
Encl.

RESOLUTION

WHEREAS, heretofore in connection with the construction of the Arkansas River South Bank Improvement, the necessity existed in behalf of The Public Conservancy District for the employment of some person to act in a supervisory and managerial capacity in conducting said enterprise in the performance thereof in detail according to plans, and the Directors instructed John M. Holmes to proceed with said work accordingly in behalf of the District and aside from his duties as a Director,

AND WHEREAS, John M. Holmes has proceed with said work and the same is now completed and the Board has examined the nature and extent thereof and determined the amount of reasonable compensation therefor,

NOW THEREFORE, Be it Resolved That the compensation for the work above described be fixed at \$1175.00 and the same be paid to John M. Holmes for the work described, the same however to include all compensation as a Director for the years from March 1934 to March 1941 inclusive.

(Dictated by Chas M Rose)

RESOLUTION

BE IT RESOLVED That Directors Mathis and Pryor be and the same are hereby directed to be paid for time actually employed in the performance of duties as Directors of The Pueblo Conservancy District at the rate of \$8.00 a day for time so employed from March 8, 1934 to March 24, 1941 inclusive, the sum of One Hundred Twenty-five and no/100ths (\$125.00 each.

(Dictated by Chas M Rose)

CHARLES M. ROSE
ATTORNEY AT LAW
THATCHER BUILDING
PUEBLO, COLORADO

January 13, 1941

Board of Directors
Pueblo Conservancy District
John H. Holmes, President.
Pueblo, Colorado.

My dear Mr. Holmes:

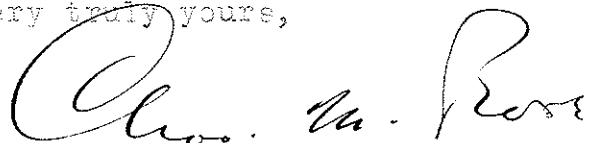
In response to your inquiry as to compensation of Board of Directors, section fifty-eight of the Conservancy Act, provides that each member shall receive \$5.00 per day and necessary expenses, for time actually employed in the performance of his duties.

It sometimes happens that it is necessary in the proper performance of a particular piece of construction work, that the board employ some person to act in a supervising and managerial capacity to represent the board in seeing that the work is performed in detail, according to plans. The board may employ one of its own members to do this work and fix a reasonable compensation therefor. In such cases, the member so acting is acting outside of his duties as a member of the board.

It goes without saying, that as a legal matter, such employment is to be judged as a performance of a trust, and not as an ordinary right to contract; accordingly such employment should be made only when the necessity of the case requires it, and compensation should be made in proportion to the scale of the work under supervision.

In any case, the matter should be covered by a resolution of the board, fixing the character and compensation of the work done; and in the event that compensation is made to board members as such, it would be well that the resolution contained a computation in gross of time for each member.

Very truly yours,



Chas. M. Rose

615

CMR/mlp