

COLORADO DEPARTMENT OF TRANSPORTATION



Region 4
1420 2nd Street
Greeley, CO 80631
Phone: (970) 350-2153 FAX: (970) 350-2178

RIGHT OF WAY PLANS UNIT: Myron Hora, PLS

Sheet Revisions

8/9/2004	Revised: As-Built	GAP

RIGHT OF WAY

TITLE SHEET

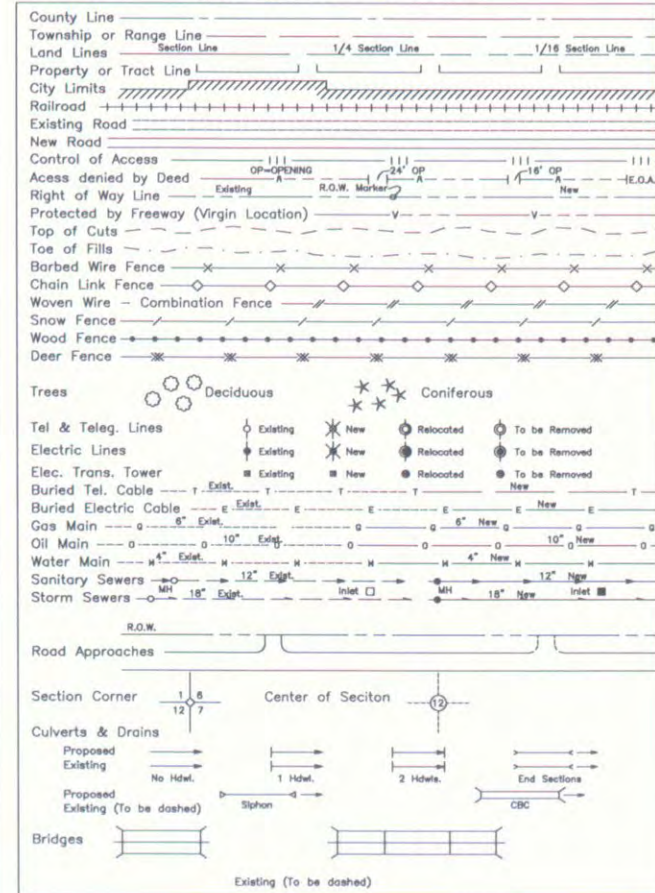
STA R400-129

SH 37 BRIDGE REPLACEMENT

PROJECT CODE: 13891

SHEET NUMBER: 1

CONVENTIONAL SIGNS



DEPARTMENT OF TRANSPORTATION
STATE OF COLORADO

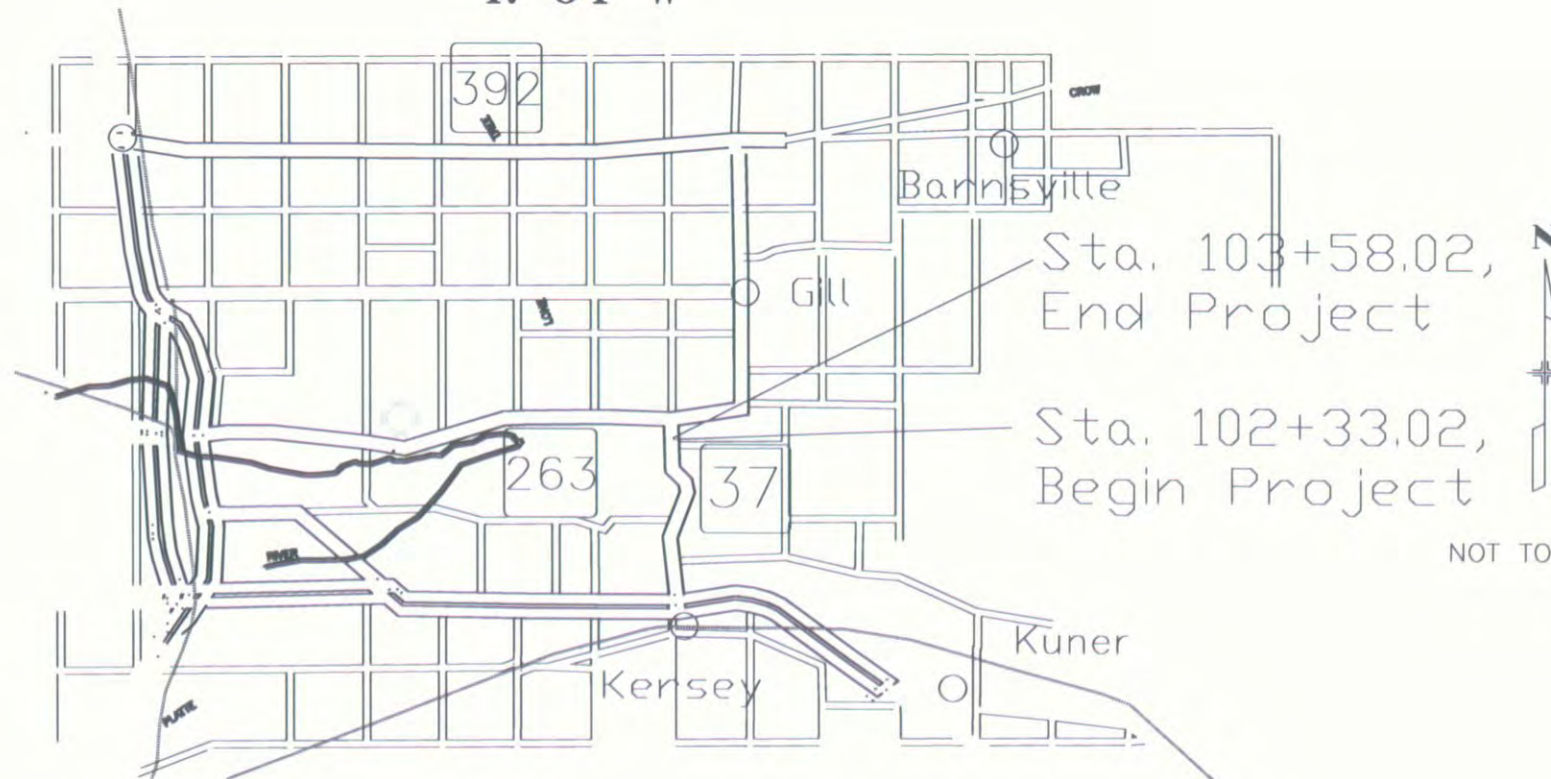
RIGHT OF WAY PLAN OF PROPOSED
FEDERAL AID PROJECT NO. STA R400-129
STATE HIGHWAY NO. 37
WELD COUNTY
RIGHT OF WAY

SCALES OF ORIGINAL DRAWINGS
PLAN SHEETS/OWNERSHIP MAP 1" = 50'

R.O.W. LENGTH OF PROJECT = 0.161 MILES

R 64 W

T 5 N



NOT TO SCALE

BASIS OF BEARINGS

All bearings are based on the Westerly line
of the Southwest Quarter
Section 4, Township 5 North, Range 64 West, 6th P.M. as
bearing N 00°43'50"W a distance of 1324.81 feet,
monumented as shown.

W1/4 CORNER
FOUND 2"ALUM CAP
PLS 22098 (1989)
IN MONUMENT BOX
CONSISTENT WITH MONUMENT RECORD
BY LS 22098

SW CORNER, SW 1/4,
FOUND 3" ALUM CAP
(ILLEGIBLE) IN MONUMENT BOX
CONSISTENT WITH MONUMENT RECORD
BY LS 10740

West Line of the SW 1/4, of Sec. 4
N00°43'50"W

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

AUTHORIZED:

DATE

DIVISION ADMINISTRATOR

FILING CERTIFICATION: DEPOSITED THIS DAY OF 19 AT M., FOR INFORMATION
ONLY IN BOOK OF THE COUNTY LAND SURVEYS/RIGHT OF WAY
SURVEYS AT PAGE RECEPTION NUMBER

SIGNED
DEPT.

FILING CERTIFICATION: DEPOSITED THIS DAY OF 19 AT M., FOR INFORMATION

STATE
C.D.O.
REVISED

COLORADO DEPARTMENT OF TRANSPORTATION  Region 4 1420 2nd Street Greeley, CO 80631 Phone: (970) 350-2153 FAX: (970) 350-2178 RIGHT OF WAY PLANS UNIT: Myron Hora, PLS	Sheet Revisions					RIGHT OF WAY TABULATION OF PROPERTIES STA R400-129 SH 37 BRIDGE REPLACEMENT PROJECT CODE: 13891 SHEET NUMBER: 2	
	8/9/2004	Revised: As-Built	GAP				

R.O.W. TABULATION OF PROPERTIES IN WELD COUNTY

S.H. NO. 37

PARCEL NO.	OWNER	ADDRESS	LOCATION	AREA OF PARCEL	EXISTING ROW	NET AREA	REMAINDER		REC. INFO	REMARKS
							LEFT	RIGHT		
			T5N, R64W, 6TH P.M. WELD, COUNTY							
PE-1	Achziger, Charles Lee and Agnes Lorene	29358 Highway 37 Greeley, CO 80631	SW 1/4, Section 4	501 SF		501 SF			2983250	For construction and maintenance of a box culvert
PE-1A	Same as above	Same as above	Same as above	540 SF		540 SF			2983250	For construction and maintenance of a box culvert
TE-1	Same as above	Same as above	Same as above	3254 SF		3254 SF				For construction of irrigation facilities.
TE-1A	Same as above	Same as above	Same as above	5123 SF		5123 SF				For construction of irrigation facilities.
TE-2	Achziger, Charles Lee and Agnes Lorene	29358 Highway 37 Greeley, CO 80631	SE 1/4, Section 5	644 SF		644 SF				For construction of irrigation facilities.
PE-3	Heckendorf, Richard F. & Joanne L.	P.O. Box 154 Kersey, CO 80644	SE 1/4, Section 5	431 SF		431 SF			2979441	For construction and maintenance of a box culvert
TE-3	Same as above	Same as above	Same as above	4709 SF		4709 SF				For construction of irrigation facilities.
PE-4	Ogilvy Irrigating & Land Co.	822 7th St. Suite 700 Greeley, CO 80631	SE 1/4, Section 5	1484 SF		1484 SF			2990356	For construction and maintenance of a box culvert
PE-4A	Same as above	Same as above	SW 1/4, Section 4	1364 SF		1364 SF			2990356	For construction and maintenance of a box culvert



Region 4
1420 2nd Street
Greeley, CO 80631
Phone: (970) 350-2173 Fax: (970) 350-2223

Survey Unit: Mark D. Guerrero

Sheet Revisions

S.H. 37 2.1 RP to 2.2 RP
Weld County, Colorado
Sections 4 & 5, T5N, R64W, 6th P.M.

Project Control Diagram

Title Sheet				
Project Number: STA R400-129				
Project Location: S.H. 37 Bridge Replacement				
Project Location:				
Project Code:	Last Mod. Date	Subset Sheets	Sheet No.	Total No. of Sheets
13891	05/14/2002	1 of 2	3	

PROJECT COORDINATES SUMMARY TABLE (FEET)

POINT NAME	PROJECT COORDINATES		ELEV. (NAVD 88)	DESCRIPTION
	NORTHING	EASTING		
CP 194 (MP 1.94)	413281.78	308487.64	4597.76	CDOT Type II Control Monument
CP 205 (MP 2.05)	413881.89	308558.60	4615.80	CDOT Type II Control Monument
CP 219 (MP 2.19)	414603.15	308533.11	4618.94	CDOT Type II Control Monument

GEODETIC COORDINATE SUMMARY TABLE (METRIC)
(ADJUSTED FIELD DATA)

POINT NAME	GEODETIC COORDINATES NAD-83(92) (CHARN)		ELLIP. HEIGHT	ELEV. (NAVD 88)m	MAPPING ANGLE	SCALE	NAD 83(92) ZONE 0502	
	LATITUDE(N)	LONGITUDE(W)					NORTHING (m)	EASTING (m)
CP 194 (MP 1.94)	40° 25' 11.50266"	104° 33' 53.15428"	1382.981	1401.409	0° 36' 15.43166"	0.999961190	425858.017	993769.308
CP 205 (MP 2.05)	40° 25' 17.42368"	104° 33' 52.15519"	1388.474	1406.900	0° 36' 16.07721"	0.999961275	426040.883	993790.932
CP 219 (MP 2.19)	40° 25' 24.55159"	104° 33' 52.38632"	1389.436	1407.857	0° 36' 15.92787"	0.999961379	426260.667	993783.165
B414 (Densification Pt.)	40° 23' 37.99412"	104° 39' 35.66888"	1393.090	1411.395	0° 32' 34.12151"	0.999959958	422893.152	985722.706
F414 (Densification Pt.)	40° 23' 30.51930"	104° 33' 34.34263"	1386.960	1405.489	0° 36' 27.58649"	0.999959869	422748.161	994245.776

BASIS OF BEARINGS: Bearings used in the calculation of coordinates are based on a grid bearing of S 89°01'31" E from Densification Point "B 414" (flanged encased stainless steel deep rod stamped "B 414 1984") Section 16, Township 5 North, Range 65 West, Sixth P.M. and the Densification Point "F 414" (flanged encased stainless steel deep rod stamped "F 414 1984") Section 21, Township 6 North, Range 64 West, Sixth P.M. as obtained from a Global Positioning System (GPS) survey based on the Colorado High Accuracy Reference Network (CHARN).

BASIS OF ELEVATIONS: Project is based on a NAVD 88 elevation of 1405.489m on Densification Point "F 414" (flanged encased stainless steel deep rod stamped "F 414 1984"). All other Control Point elevations on this project were derived from GPS observations.

COORDINATE DATUM: Project Coordinates are modified Colorado State Plane North Zone NAD 83(92) coordinates. State Plane Coordinates were modified to mean project elevation of 1406.900m. The combined elevation/scale factor used to modify the coordinates was 0.9997405385. Project Coordinates are truncated by 300,000 in the Northing and 900,000 in the Easting. The CHARN is based on NAD 83(92) datum.



Typical Control Monument Cap
Not to Scale

▲ CP - Control Point Monuments set by CDOT. They are CDOT Type 2 monuments a 3-1/4" dia. aluminum control monument cap (as shown) on a 3' X 3/4" dia. finned aluminum security rod on a 3' X 3/4" dia. smooth aluminum rod.

NOTE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event may any action based upon any defect in this survey be commenced more than ten years from the date of the statement shown.

NOTE: No guarantee as to the accuracy of the information contained on the attached drawing is either stated or implied unless this copy bears an original signature of the professional land surveyor hereon named.

SURVEYORS STATEMENT: I, Lee K. Groves, a Professional Land Surveyor in the State of Colorado, hereby state that this Control Survey Diagram was prepared under my direct supervision this _____ day of _____, from a field survey performed under my supervision and checking for and on behalf of the Department of Transportation, State of Colorado, and is not a Land Survey Plat or Right-of-Way Survey Plat and to the best of my knowledge and belief this control survey, as shown, meets the minimum horizontal control tolerances of a CDOT Type B Survey and this topographic survey, as shown, meets the minimum horizontal control tolerances of a CDOT Type D Survey as listed in the Colorado Department of Transportation Survey Manual Chapter Three (Revised 4/29/92).

Lee K. Groves L.S. 34169

COLORADO DEPARTMENT OF TRANSPORTATION



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Survey Unit: Mark D. Guerrero

Sheet Revisions

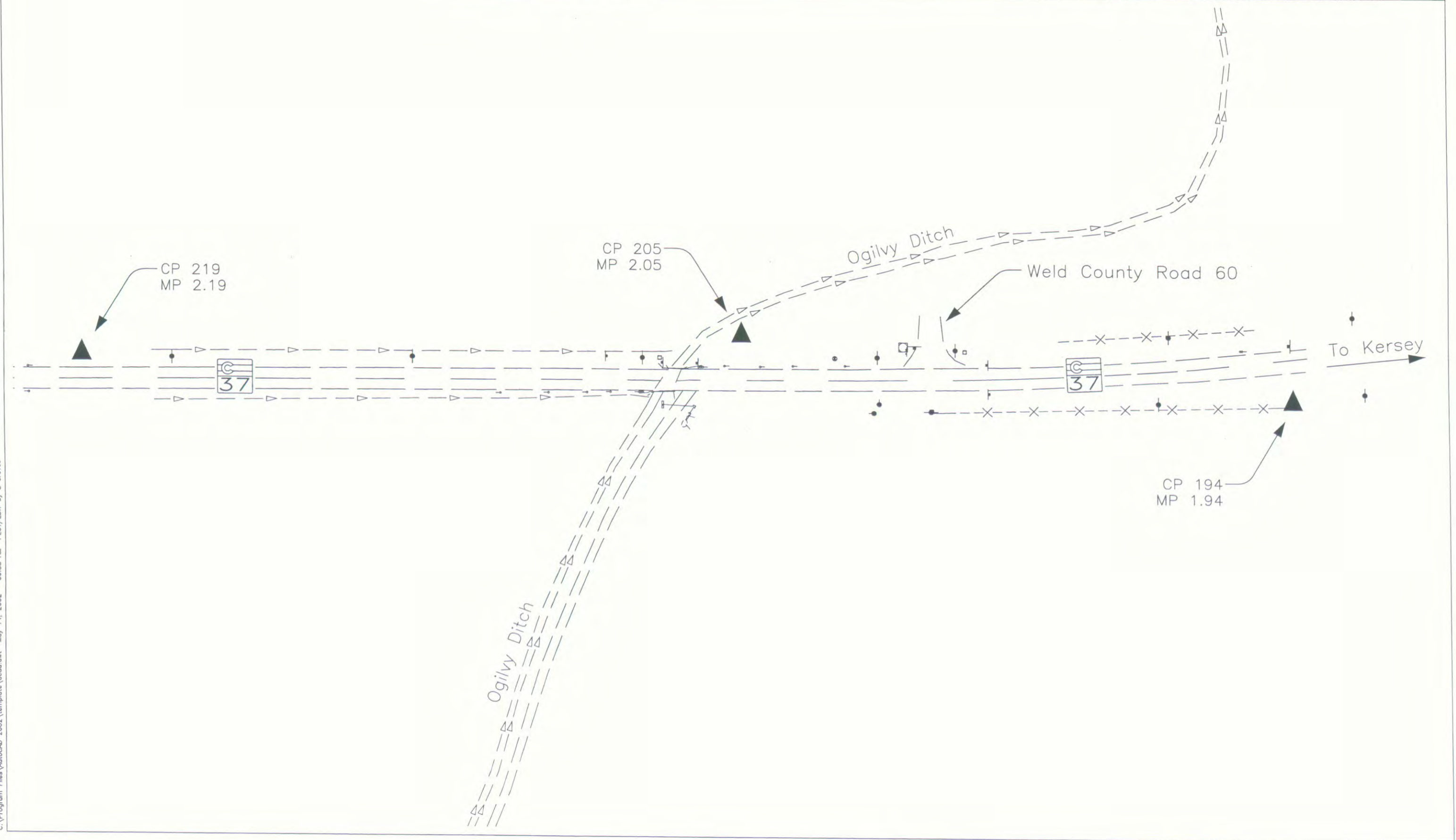
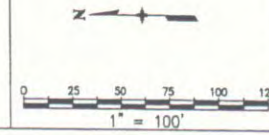
S.H. 37 2.1 RP to 2.2 RP
Weld County, Colorado
Sections 4 & 5, T5N, R64W, 6th P.M.

Project Control Diagram

Plan Sheet

Project Number: STA R400-129
Project Location: S.H. 37 Bridge Replacement
Project Location:

Project Code:	Last Mod. Date	Subset Sheets	Sheet No.	Total No. of Sheets
13891	05/14/2002	2 of 2	3-A	





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R4 ROW Plans Unit Myron D. Hora, PLS

Sheet Revisions			Sheet Revisions			Sheet Revisions			Right of Way Plans					
8/9/2004	Revised: As-Built	GAP	mm/dd/yy	XXXXX	GAP	mm/dd/yy	XXXXX	DGM	Monumentation Sheet					
									Project Number: STA R400-129					
									Project Location: SH 37 BRIDGE REPLACEMENT					
									Project Location: At the Ogilvy Ditch					
									Project Code:	Last Mod. Date	Subsect Sheets	Sheet No.	Total No. of Sheets	
									13891	05/13/2002	1 of 1	4	4	

TABULATION OF R.O.W. MARKERS
TO BE SET BY STATE FORCES

POINT NO.	NORTHING	EASTING	TYPE SET
201	414101.631	308475.625	1 LS 34169
202	414102.396	308535.620	1 LS 34169
203	413674.933	308481.065	1 LS 34169
204	413699.619	308540.755	1 LS 34169

TABULATION OF PERMANENT EASEMENT
MARKERS TO BE SET (BY STATE FORCES)

POINT NO.	NORTHING	EASTING	TYPE SET
105	413967.738	308537.337	6 LS 34169
107	414007.159	308476.829	6 LS 34169
111	413959.292	308477.440	6 LS 34169
114	413970.062	308477.302	6 LS 34169
121	413914.455	308538.016	6 LS 34169
123	413955.082	308537.498	6 LS 34169
129	413927.109	308537.855	6 LS 34169

QUANTITY OF MONUMENTS TO BE SET

CAP TYPE	MONUMENT TYPE								
	1	1A	2	2A	3	3A	4	5	6
REFERENCE									7
RIGHT OF WAY	4								
CONTROL									
ALIQUOT CORNER									
WITNESS POST									

TABULATION OF LAND CORNERS
FOUND

POINT NO.	NORTHING	EASTING
301	413675.314	308511.062
302	416337.297	308477.123

TABULATION OF TEMPORARY AND PERMANENT
EASEMENT POINTS TO BE STAKED

POINT NO.	NORTHING	EASTING
102	414100.866	308415.630
103	414045.838	308416.331
104	414032.945	308436.497
106	413934.862	308575.652
108	414008.741	308416.804
109	413903.084	308418.151
110	413904.404	308478.139
112	413985.078	308437.108
113	413995.848	308436.970
115	414017.100	308536.707
116	414017.529	308596.707
117	413874.272	308598.533
118	413890.082	308591.807
119	413912.718	308578.042
120	413931.337	308577.804
122	413928.580	308568.396
124	413908.588	308544.857
125	413873.007	308576.250
126	413829.724	308594.665
127	413820.619	308597.731
128	413819.873	308539.222
130	413914.815	308552.189
131	413880.466	308573.076
132	413884.659	308559.408
133	413867.439	308578.619

GENERAL NOTES

- This Right of Way plan is not a complete boundary survey of all adjoining owners and is prepared for Transportation Department purposes Only.
- Survey Control Points set with a higher degree of accuracy than ROW Markers.
- NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event, may any action based upon any defect in this survey be commenced more than ten years from the date of the certification shown hereon.
- All R.O.W. Markers set from survey control points.
- All centerline and offset stationing is theoretical only and may not represent the centerline as constructed in the field. All stationing is approximate.
- All coordinates listed are project coordinates only.
- Field survey control precision computed to exceed CDOT Type 'B' Survey.

SURVEYOR CERTIFICATE (OFFICE)

I, _____, a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation that based upon my knowledge, information and belief, research, calculations and evaluation of the survey evidence were performed and this Right-of-Way Plan was prepared under my responsible charge in accordance with applicable standards of practice defined by Colorado Department of Transportation publications. This statement is not a guaranty of warranty, either expressed or implied.

David Mantych, PLS No. 16412

Date

SURVEYOR CERTIFICATE (FIELD)

I, _____, a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation that based upon my knowledge, information and belief, adequate research, calculations and evaluation of the survey evidence were performed and this Right-of-Way monuments depicted on this Right-of Way Plan were set under my responsible charge in accordance with applicable standards of practice defined by Colorado Department of Transportation publications. This statement is not a guaranty of warranty, either expressed or implied.

Lee K. Groves PLS No. 34169

Date



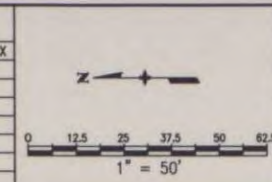
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Right of Way Plans Unit: Myron D. Hora, PLS

Sheet Revisions		
mm/dd/yy	XXXXX	XXX

Sheet Revisions		
mm/dd/yy	XXXXX	XXX

Sheet Revisions		
mm/dd/yy	XXXXX	XXX



Right of Way Plans				
Plan Sheet / OWNERSHIP MAP				
Project Number: STA R400-129				
Project Location: SH 37 BRIDGE REPLACEMENT				
Project Location: At the Ogilvy Ditch				
Project Code	Last Mod. Date	Subset Sheets	Sheet No.	Total No. of Sheets
13891	13-05-02	1 of 1	5.	XXX

LINE TABLE

- L-1 N00°43'50"W - 12.66'
- L-2 S49°22'46"E - 18.88'
- L-3 S31°18'16"E - 40.20'
- L-4 S23°02'51"E - 8.11'
- L-5 N49°22'46"W - 9.01'
- L-6 N00°43'50"W - 12.66'
- L-7 S49°22'08"E - 50.49'
- L-8 S00°43'50"E - 18.62'
- L-9 N31°18'16"W - 18.56'
- L-10 N49°22'46"W - 40.71'
- L-11 S31°24'27"E - 4.13'
- L-12 S57°24.26"E - 47.87'
- L-13 N00°43'50"W - 37.10'
- L-14 S00°43'50"E - 37.10'
- L-15 S00°43'50"E - 10.77'
- L-16 N57°24'26"W - 47.87'
- L-17 N00°43'50"W - 10.77'
- L-18 S57°24'26"E - 47.87'
- L-19 N31°18'16"W - 28.01'
- L-20 N55°19'22"W - 20.48'
- L-21 N23°02'51"W - 14.16'
- L-22 S00°43'50"E - 45.28'
- L-23 N00°43'50"W - 27.98'

T. 5 N., R. 64 W., 6th P.M.
SW 1/4
SEC. 4

PE-1
PE-1A
TE 1
TE 1A

Achziger, Charles Lee
& Agnes Lorene
29358 Highway 37
Greeley, CO 80631
(The W1/2 of the SW 1/4,
Section 4, T5N, R64W and
that part of the NW 1/4 NW 1/4
of Section 9, T5N, R64W
lying North of the Ogilvy Ditch.
Reception #01915879)

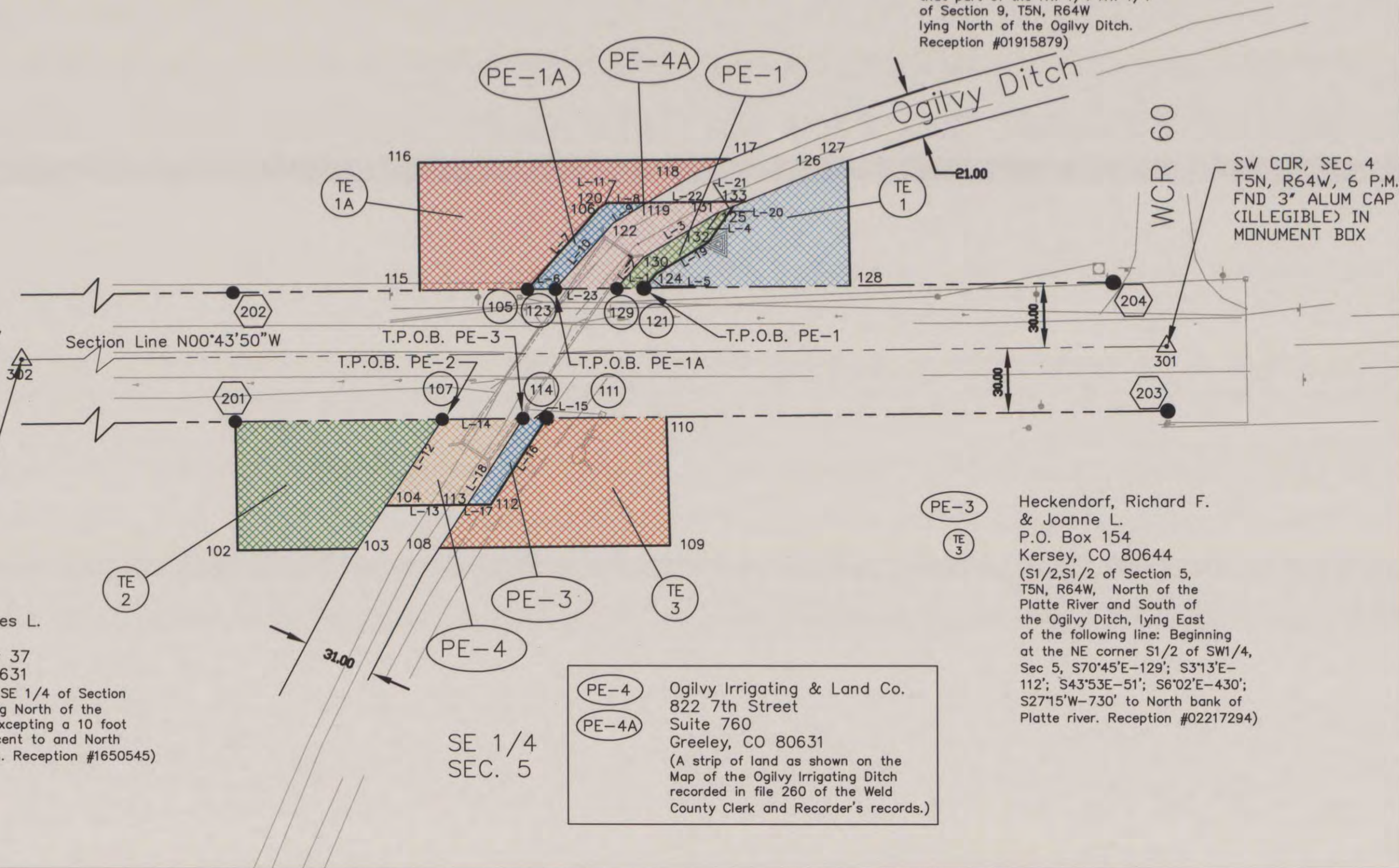
State Highway 37

W1/4 COR, SEC 4,
T5N, R64W, 6 P.M.
FOUND ALUM CAP
PLS 22098 (1989)
IN MONUMENT BOX

TE 2
Achziger, Charles L.
& A. Lorene
29358 Highway 37
Greeley, CO 80631
(The N1/2 of the SE 1/4 of Section
5, T5N, R64W, lying North of the
Ogilvy Ditch and excepting a 10 foot
strip of land adjacent to and North
of the Ogilvy Ditch. Reception #1650545)

PE-4
PE-4A
Ogilvy Irrigating & Land Co.
822 7th Street
Suite 760
Greeley, CO 80631
(A strip of land as shown on the
Map of the Ogilvy Irrigating Ditch
recorded in file 260 of the Weld
County Clerk and Recorder's records.)

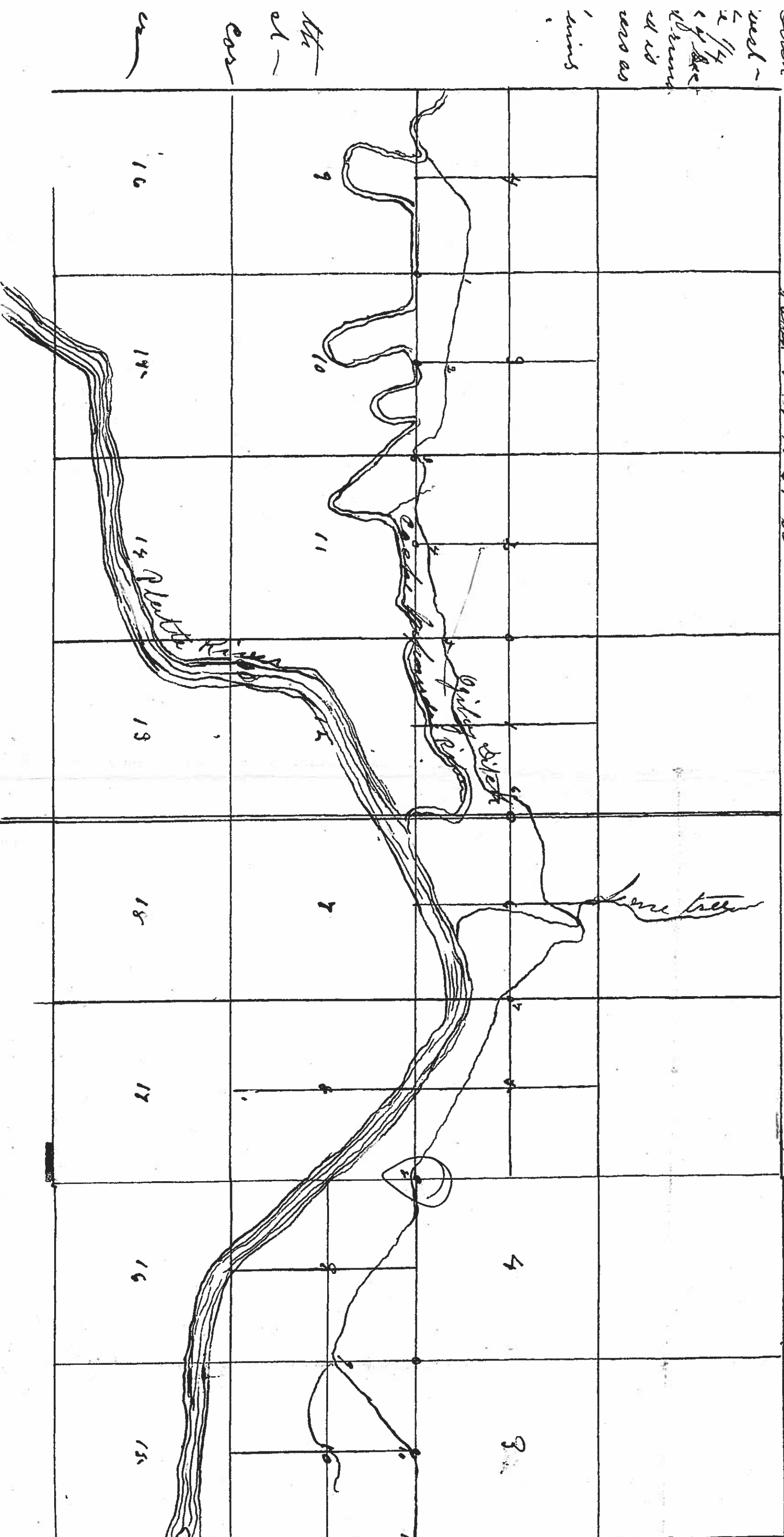
PE-3
TE 3
Heckendorf, Richard F.
& Joanne L.
P.O. Box 154
Kersey, CO 80644
(S1/2,S1/2 of Section 5,
T5N, R64W, North of the
Platte River and South of
the Ogilvy Ditch, lying East
of the following line: Beginning
at the NE corner S1/2 of SW1/4,
Sec 5, S70°45'E-129'; S3°13'E-
112'; S43°53'E-51'; S6°02'E-430';
S27°15'W-730' to North bank of
Platte river. Reception #02217294)



Map of Ogilby Irrigating Ditch

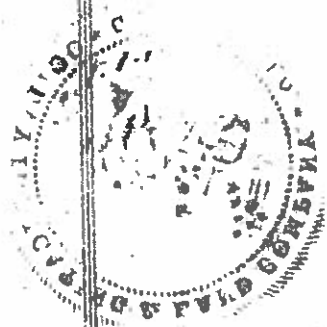
Town 5 N R 63 W

Town 5 N R 64 W



Ogden
Land
route

RECEIVED
1881
in m
1881
in 100
FEE, \$



File 260 -

Know All Men by These Presents, That, we, Lyulph
— Ogden —, President and H. G. Clark Secretary
of the Ogden Irrigating and Land Company, in compliance
with the provisions of the Laws of the State of Colorado,
~~do hereby make and certify the following statements:~~
First, the said Ogden Irrigating and Land Company is
duly incorporated under the Laws of the State of Colorado,
on the fourteenth day of July 1881.

Second, The name of the ditch or canal, constructed by the
said Ogden Irrigating and Land Company, is the "Baker
and Ogden Irrigating Canal."

Third, The headgate of the said Canal is situated at a
point described as follows:

At a point, ten chains west and five chains north of
the quarter section corner on the south line of section four,
town five north of range sixty five west. 1

Fourth, The size of the said Canal is as follows: Twelve
feet wide on the bottom and three feet deep; slope of banks,
one and a half ($1\frac{1}{2}$) to one (1); and grade two and a half
feet ($2\frac{1}{2}$) to the mile.

Fifth, The carrying capacity of the said Canal is ninety one
and sixty six thousand (91,066),
cubic feet per second.

Sixth, The description of the line of the said Canal is as follows:
The said Canal runs in an easterly direction from the
point of beginning, and terminates at a point on the
north line of section eleven, town five, north of range
sixty four west, four ten chains east of the quarter section
corner.

The section

in Map hereto attached: one of the said Canal is as follows: as shown
From 1 to 0 in said Map - is 22 chains

" 2 to 0	" " " "	15 "
" 3 to 0	" " " "	1 "
" 4 to 0	" " " "	4 "
" 5 to 0	" " " "	30 "
" 6 to 0	" " " "	20 "
" 7 to 0	" " " "	5 "

" 9 to 0	" " " "	30 "
" 10 to 0	" " " "	8 "
" 11 to 0	" " " "	0 "
" 12 to 0	" " " "	4 "

Eighth, The work on the said ditch or Canal was com-
menced on the Twenty first day of July 1881.

Ninth, The owner of the said Canal is the Ogilvy Irriga-
tion and Land Company, a corporation duly incorporated
under the Laws of the State of Colorado, on the fourteenth
day of July 1881.

Tenth, The route of the said Canal, and the legal sub-
divisions of the land through which the said Canal passes,
with the proper corners and distances, are fully shown in
the Map hereto attached.

In Witness Whereof, the said Leguito Ogilvy, President, and
H. H. Clark Secretary of the Ogilvy Irrigation
and Land Company have signed this certificate and
affixed thereto the seal of the said Company, at the
office of the Company in Greeley in the State of
Colorado, on the Eighth day of February 1883.



L Ogilvy .. President
H. H. Clark Secretary

State of Colorado



L. Ogilvy President
H. G. Clark Secretary

State of Colorado

County of Weld

Before me, Luther S. Kauffman, a Notary Public in and for said county, personally appeared Lyulph Ogilvy, President, and H. G. Clark Secretary of the Ogilvy Irrigating and Land Company, to me personally known to be the persons whose names are subscribed to the foregoing certificate, and acknowledged that they made, signed ^{and made oath thereto} and executed the said certificate for the uses and purposes therein mentioned.

Witness my hand and voice at ~~Wheat~~ ^{Wheat} this Eighth day of February— 1883

Luther S. Kauffman
Notary Public

