

**COLORADO DEPARTMENT OF TRANSPORTATION**



Region 4  
Address: 1420 2nd Street  
Greeley, Colorado 80631  
Phone: (970) 350-2161 FAX: (970) 350-2178

Right of Way Plans Units: Peter T. Sulmeisters, PLS

Sheet Revisions

Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Sheet Revisions

Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX



**WELD COUNTY**

PUBLIC WORKS DEPARTMENT  
1111 H STREET  
P.O. BOX 758  
GREELEY, CO 80632-0758  
PHONE: (970) 356-4000  
FAX: (970) 304-6497

Right of Way Plans

Title Sheet		
Project Number: BRO C030-041		
Project Location: WCR 6 BETWEEN S.H. 85 AND WCR 23		
SEC 19 & 30 - TNSP 1 NORTH - RANGE 66 WEST 6th P.M.		
Project Code:	Last Mod. Date:	Sheet No./Total Sheets
17909	06-8-11	1.01 to 1.01 / 1.01 / 1 of 11

**WELD COUNTY  
STATE OF COLORADO**

**RIGHT OF WAY PLANS OF PROPOSED  
BRIDGE 6-25A REHABILITATION  
PROJECT NO. BRO C030-041**

SHEET NO.	INDEX OF SHEETS
1.01	(1) Title Sheet
2.01-2.01	(1) Tabulation of Properties
3.01-3.03	(3) Project Control Diagram
4.01-4.03	(3) Land Survey Control Diagram
5.01-5.01	(1) Monumentation Sheets
6.01-6.0X	(NA) Tabulation of Road Approach Sheets
7.01-7.01	(1) Plan Sheets
8.01-8.01	(1) Ownership Map
(11) Total Sheets	

Scales of Original 11x17 Drawings  
Plan Sheets 1"=60'  
Ownership Map 1"=200'

R.O.W. Length of Project = 304.3'  
Const. Length of Project = N.A.

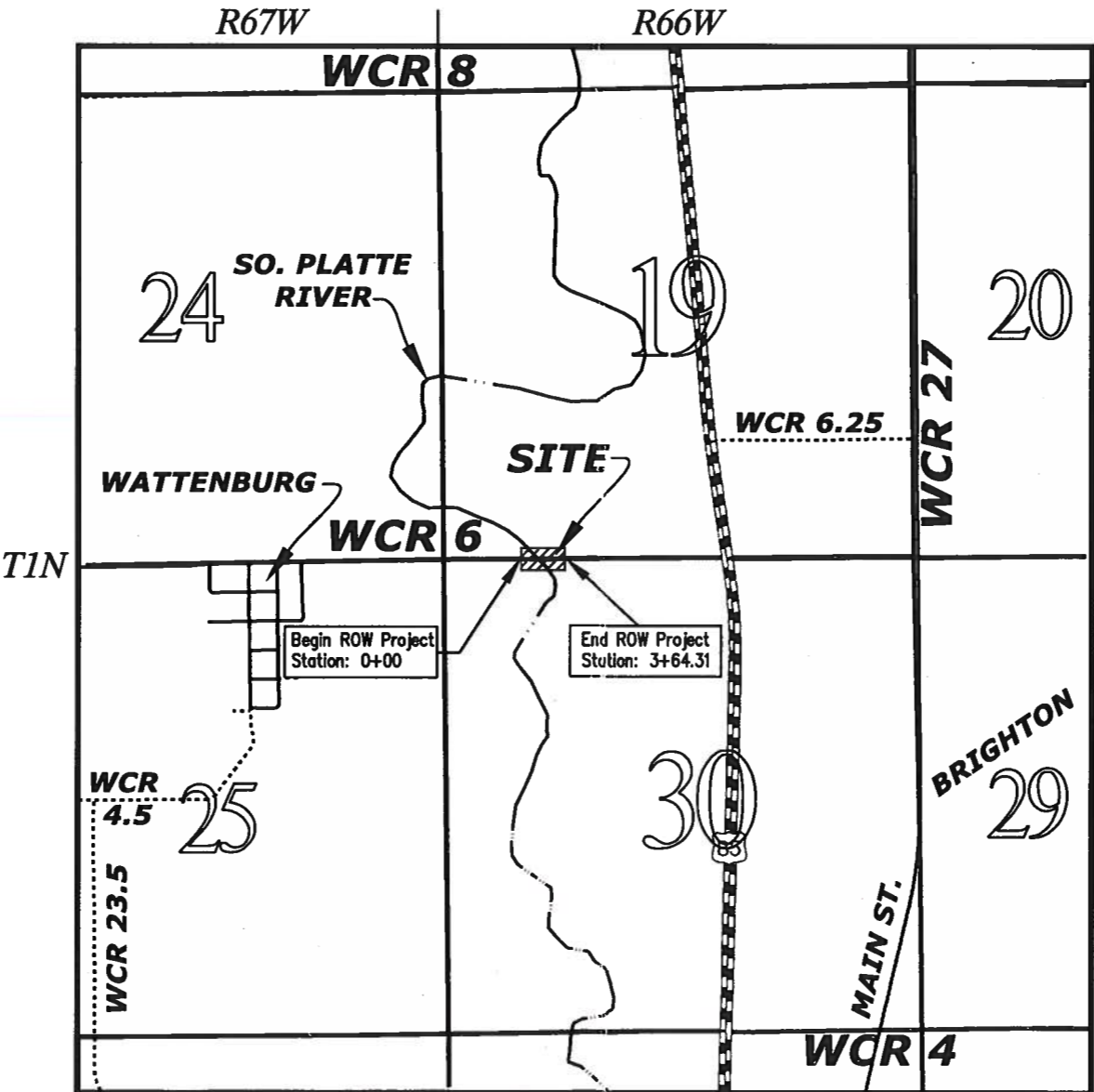
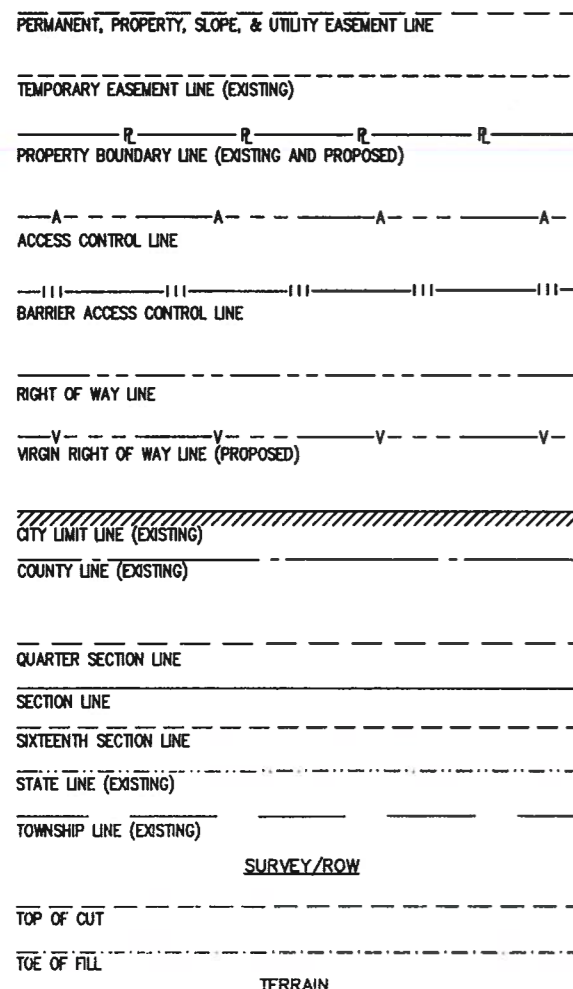
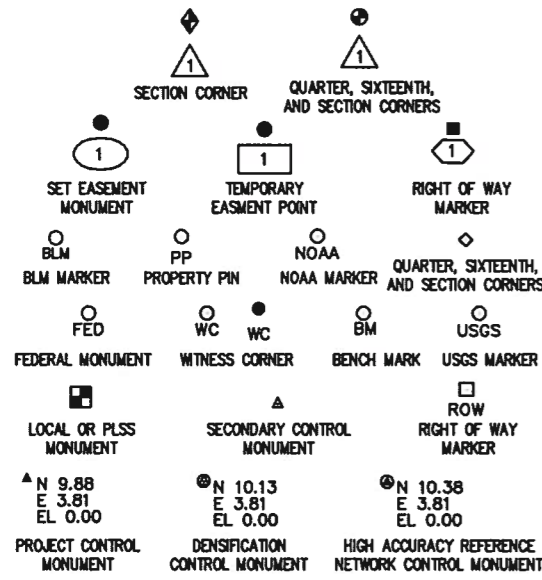
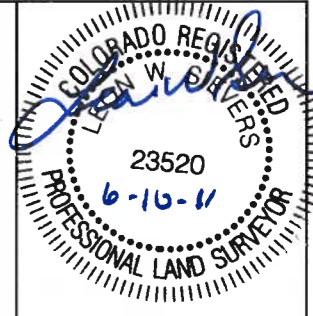
Basis of Bearings: Bearings used in the calculations of coordinates are based on a grid bearing of N89°41'39"E from the Southwest Corner of Section 19, Township 1 North, Range 66 West of the 6th Principal Meridian. The survey data was obtained from a Global Positioning System (GPS) survey based on the Colorado High Accuracy Reference Network (CHARN).

1. This Right-of-Way Plan is not a boundary survey of the adjoining property and is prepared for the Colorado Department of Transportation and Weld County Public Works purposes only.
2. For title information, Weld County Public Works relied on, Title Commitment No. H0304433-459-820-GRO prepared by Heritage Title Company for Commonwealth Land Title Insurance Company.
3. This plan set is subject to change and may not be the most current set. It is the user's responsibility to verify with CDOT and or WCPW that this set is the most current. The information contained on the attached drawing is not valid unless this copy bears an original signature of the Professional Land Surveyor hereon named.

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.

DEPARTMENT OF TRANSPORTATION  
STATE OF COLORADO  
AUTHORIZED: *[Signature]* 6-28-11  
DATE  
RIGHT OF WAY MANAGER

SURVEYOR STATEMENT (ROW PLAN)  
I, Leon W. Sievers, 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 or warranty, either expressed or implied.  
PLS No. 23520



PROJECT LOCATION MAP  
SCALE: 1"=2000'

Note: For a complete listing of symbology used within this set of plans, please refer to the M-100-1 Standard Symbols of the Colorado Department of Transportation M&S Standards Publication dated July 2006. Existing features are shown as screened weight (gray scale), except as noted with the word (existing). Proposed or new features are shown as full weight without screening, except as noted with the word (proposed).

FILING CERTIFICATION: DEPOSITED THIS 20 DAY OF \_\_\_\_\_ M., IN BOOK \_\_\_\_\_ OF THE COUNTY LAND SURVEYS/RIGHT OF WAY SURVEYS AT PAGE \_\_\_\_\_ RECEPTION NUMBER \_\_\_\_\_ DEPT. \_\_\_\_\_ SIGNED \_\_\_\_\_



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1111 H STREET  
P.O. BOX 758  
GREELEY, CO 80632-0758  
PHONE: (970) 356-4000  
FAX: (970) 304-6497

Project Control Diagram

Title Sheet			
Project Number: BRO C030-041			
Project Location: WCR 6 BETWEEN S.H. 85 AND WCR 23			
SECTIONS 19 & 30 - TNSP 1 NORTH - RANGE 66 WEST			
Project Code	Last Mod. Date	Subset	Sheet No./Total Sheets
17909	08-8-11	3.01 to 3.03	3.01 / 3 of 11

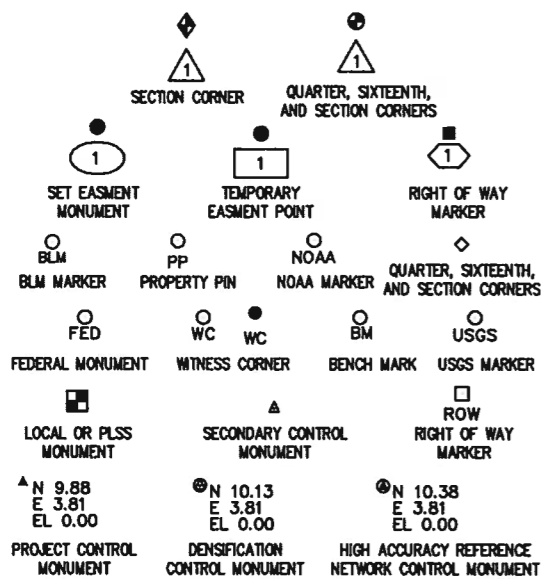
**DEPARTMENT OF TRANSPORTATION**

**STATE OF COLORADO**

**PROJECT CONTROL DIAGRAM**

Sections 19 & 30  
Township 1 North, Range 66 West  
of the 6th Principle Meridian  
County of Weld

SHEET NO.	INDEX OF SHEETS
3.01-3.01	(1) Title Sheet
3.02-3.02	(1) Coordinate Tables
3.03-3.03	(1) Plan Sheet
(3) Total Sheets	



Note: For a complete listing of symbology used within this set of plans, please refer to the M-100-1 Standard Symbols of the Colorado Department of Transportation M&S Standards Publication dated July 2006. Existing features are shown as screened weight (gray scale). Proposed or new features are shown as full weight without screening.

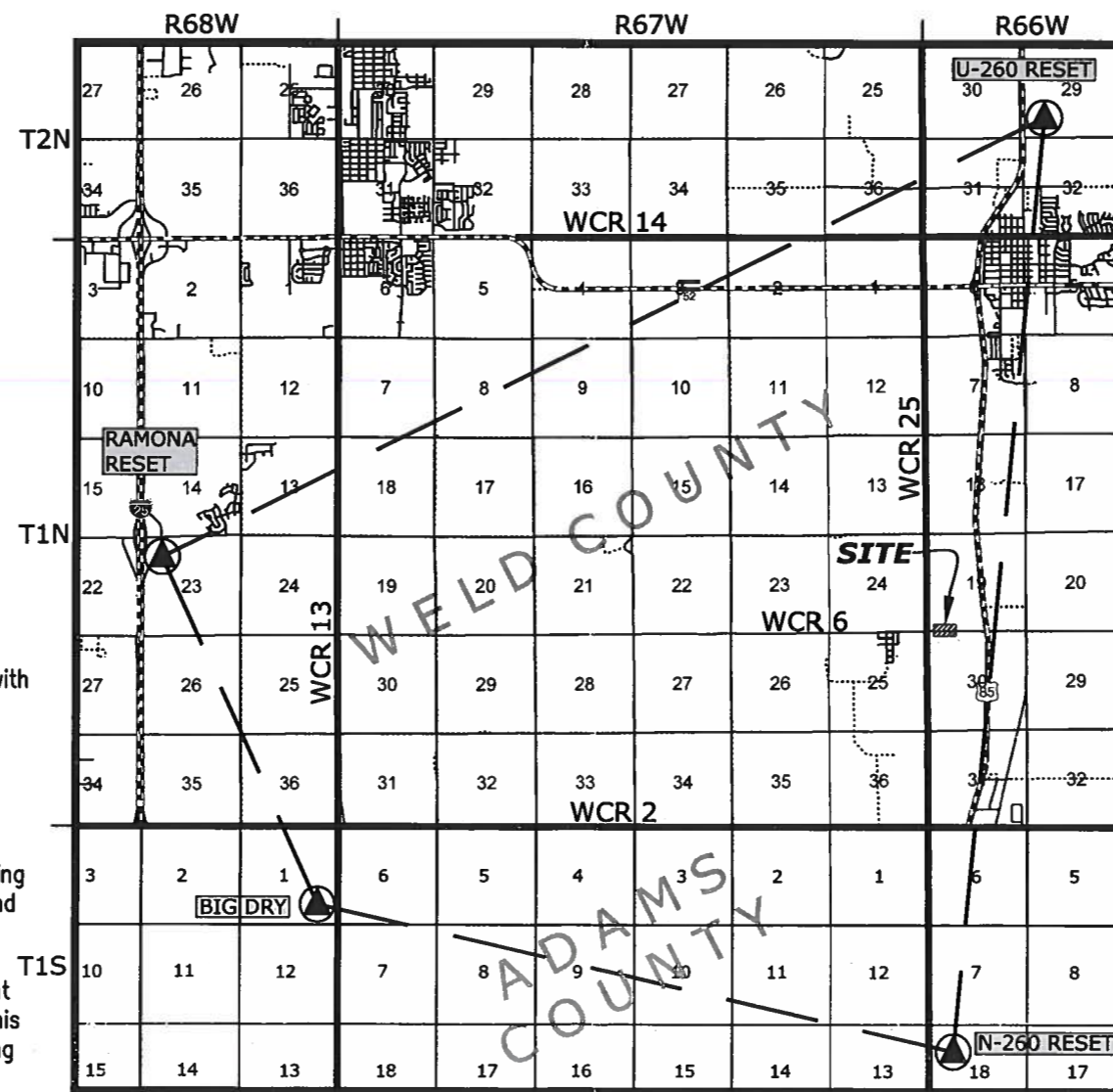


Typical Control Monument Cap  
Not to Scale

▲ Control Point Monuments set by Weld County are 24" of #5 Rebar with a 2" Aluminum Cap stamped as shown.

General Notes:

- This Project Control Diagram is not a boundary survey of the adjoining property and is prepared for the Colorado Department of Transportation and Weld County Public Works Department purposes only.
- This plan set is subject to change and may not be the most current set. It is the user's responsibility to verify with CDOT and or WCPW that this set is the most current. The information contained on the attached drawing is not valid unless this copy bears an original signature of the Professional Land Surveyor hereon named.
- Refer to the M-629-1 Survey Monuments of the Standard Plans dated July, 2006 found in The Colorado Department of Transportation, M & S Standards for typical survey monument descriptions.



PROJECT LOCATION MAP

0 5000 10000

Scale: 1" = 10,000'

**BASIS OF BEARING:** Bearings used in the calculation of coordinates are based on a grid bearing of N 5°05'10"E from Densification point "N 260 RESET" (disk set in top of concrete monument post) located in the NW1/4 of Section 18, Township 1 South, Range 66 West, Sixth P.M. and the Densification point "U 260 RESET" (disk set in top of a concrete diversion box) SW1/4 Section 29, Township 2 North, Range 66 West, Sixth P.M., as obtained from a Global Positioning System (GPS) survey based on the Colorado High Accuracy Network (CHARN).

**BASIS OF ELEVATION:** Project is based on NAVD 88 elevation of 4997.68, NGS designation: N 260 RESET, a standard disk stamped N 260 RESET 1979, in the NW1/4 of Section 18, Township 1 South, Range 66 West, Sixth P.M. All other Control Point elevations on this project are based on GPS observations.

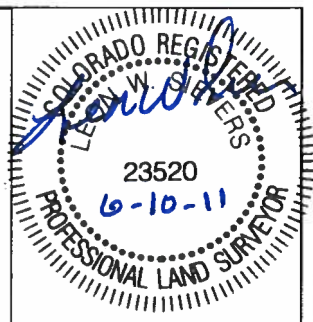
**COORDINATE DATUM:** Project coordinates are modified Colorado State Plane North Zone NAD 83(07) coordinates. The combined elevation/scale factor used to modify the coordinates is 0.99972610. Project coordinates are truncated by 1,000,000 in the Northing and 3,000,000 in the Easting. The CHARN is based on NAD 83(07) datum. Project Coordinates Northing US Survey Feet = (State Plane Coordinate Northing x 1.00027397504 - 1,000,000). Project Coordinates Easting US Survey Feet = (State Plane Coordinate Easting x 1.00027397504 - 3,000,000).

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.

SURVEYOR STATEMENT (PROJECT CONTROL DIAGRAM)

I, Leon W. Sievers, a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation this Project Control Diagram was prepared and the field survey it represents was performed under my responsible charge and, based upon my knowledge, information and belief is in accordance with applicable standards of practice defined by Colorado Department of Transportation publications. This statement is not a guaranty or warranty, either expressed or implied.

PLS No. 23520



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1111 H STREET  
P.O. BOX 758  
GREELEY, CO 80632-0758  
PHONE: (970) 356-4000  
FAX: (970) 304-6497

Project Control Diagram

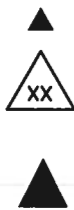
Coordinate Tables

Project Number: BRO C030-041			
Project Location: WCR 6 BETWEEN S.H. 85 AND WCR 23			
SECTIONS 19 & 30 -- TNSP 1 NORTH -- RANGE 66 WEST			
Project Code: 17909	Last Mod. Date: 08-8-11	Subset: 3.01 to 3.03	Sheet No./Total Sheets: 3.02 / 4 of 11



CHARN GEODETIC COORDINATE SUMMARY TABLE

Point No.	Geodetic Coordinates NAD-83(07) (CHARN)		Elip Height (NAVD88) (ft)	Ortho Height (ft)	Mapping Angle	Grid Scale Factor	NAD 83 (07) Zone 0501		Description
	Latitude (N)	Longitude (W)					SP Northing (ft)	SP Easting (ft)	
20	39°59'22.40649"	104°56'25.78138"	5044.45	5102.4	0°21'41.5"	0.99996718	1239537.43	3156770.34	BIG DRY
22	39°58'19.52157"	104°49'29.80948"	4938.51	4997.68	0°26'10.2"	0.99996861	1233399.85	3189194.07	N 260 RESET
24	40°06'07.19029"	104°48'30.92858"	4834.48	4893.9	0°26'48.3"	0.99996020	1280756.01	3193408.97	U 260 RESET
26	40°02'37.25610"	104°58'41.42986"	5109.47	5166.7	0°20'13.8"	0.99996334	1259189.04	3146096.68	RAMONA RESET



GEODETIC COORDINATE TABLE

Point No.	Geodetic Coordinates NAD-83(07) (CHARN)		Elip Height (NAVD88) (ft)	Ortho Height (ft)	Mapping Angle	Grid Scale Factor	NAD 83 (07) Zone 0501		Description
	Latitude (N)	Longitude (W)					SP Northing (ft)	SP Easting (ft)	
3	40°01'45.96031"	104°49'30.84051"	4877.51	4942.07	0°26'09.56"	0.99996427	1254287.60	3188954.85	CP-MWRD (3" Brass Cap set in concrete)
11	40°01'46.01175"	104°49'34.86991"	4877.54	4942.10	0°26'06.96"	0.99996427	1254290.42	3188641.39	CP-A (Typical Weld County)



PROJECT COORDINATE TABLE

Point No.	Project Coordinates		Elev (ft) (NAVD88)	Description
	Northing (ft)	Easting (ft)		
3	254631.24	189828.55	4942.07	CP-MWRD (3" Brass Cap set in concrete)
11	254634.06	189515.00	4942.10	CP-A (Typical Weld County)

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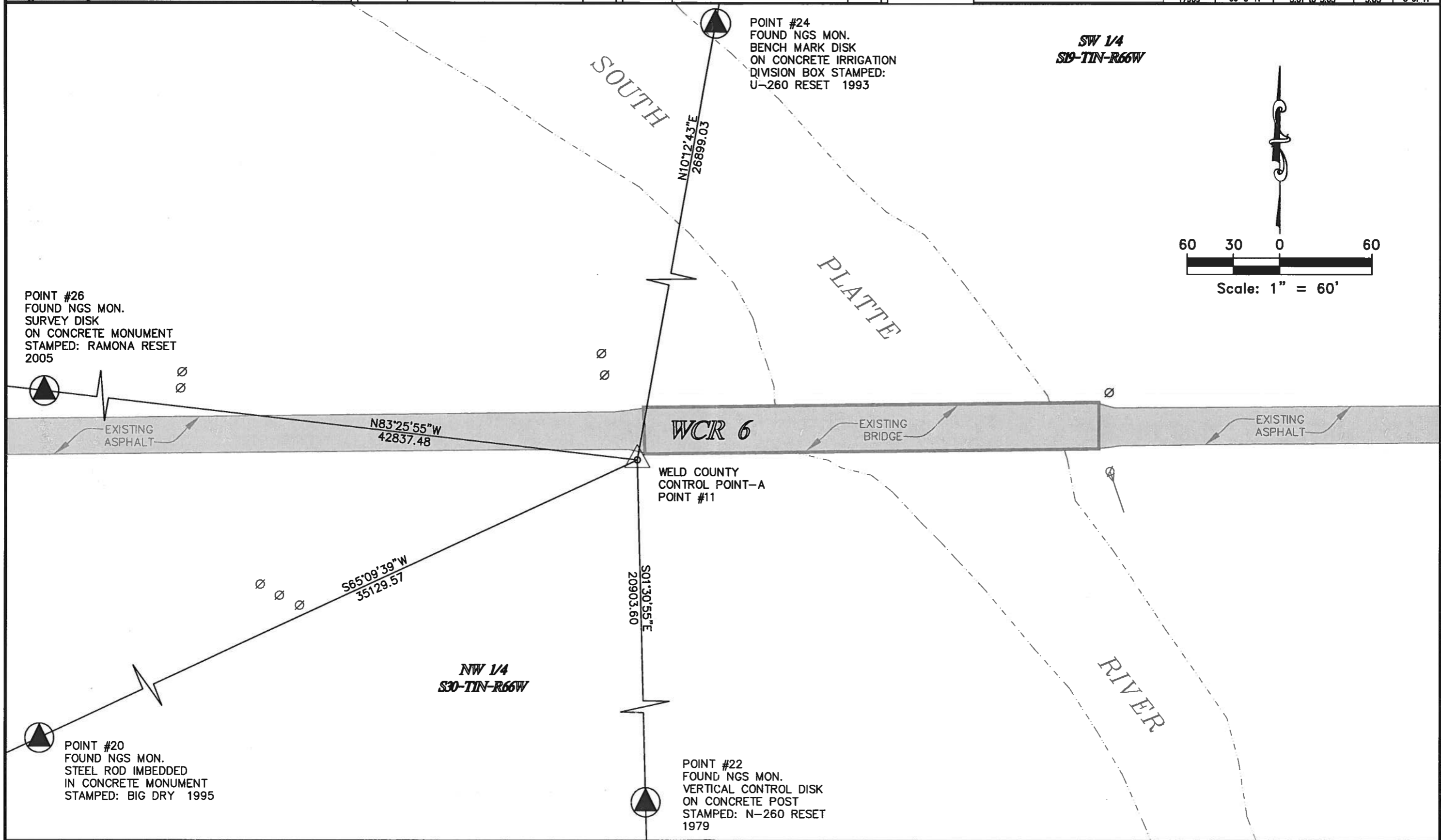


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 1111 H STREET  
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Project Control Diagram

Plan Sheet				
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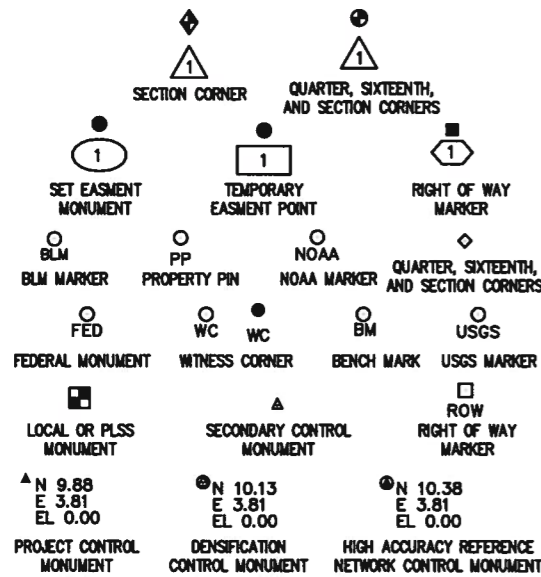
Land Survey Control Diagram

Title Sheet			
Project Number: BRO C030-041			
Project Location: WCR 6 BETWEEN S.H. 85 AND WCR 23			
SECTIONS 19 & 30 - TNSP 1 NORTH - RANGE 66 WEST			
Project Code	Last Mod. Date	Subset	Sheet No./Total Sheets
17909	08-8-11	4.01 to 4.03	4.01 6 of 11

**DEPARTMENT OF TRANSPORTATION  
STATE OF COLORADO  
LAND SURVEY CONTROL DIAGRAM**

Sections 19 & 30  
Township 1 North, Range 66 West  
of the 6th Principle Meridian  
County of Weld

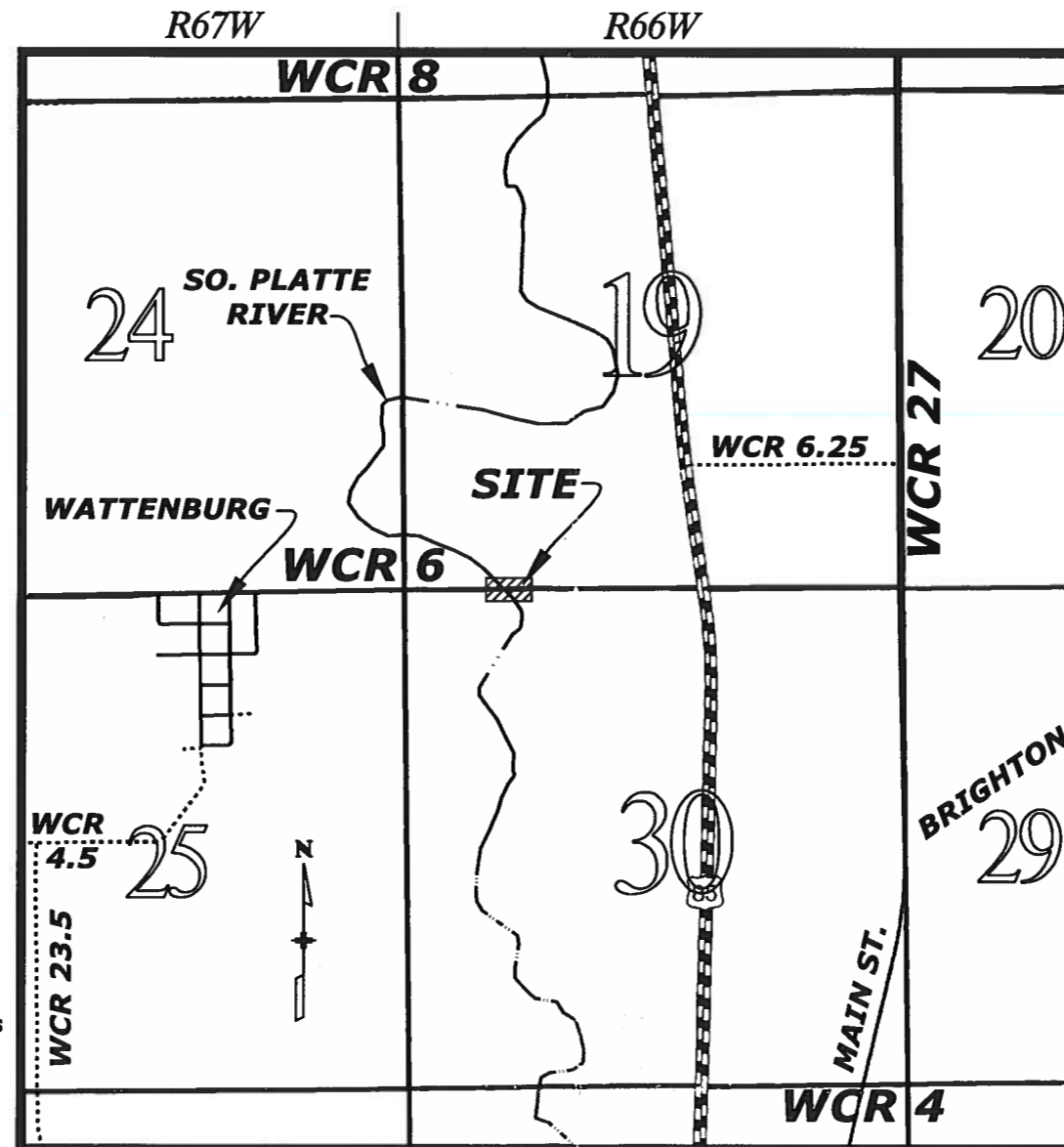
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4.01-4.01	(1) Title Sheet
4.02-4.02	(1) Monument Coordinate Tables
4.03-4.03	(1) Plan Sheet
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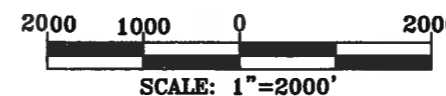
Note: For a complete listing of symbolology used within this set of plans, please refer to the M-100-1 Standard Symbols of the Colorado Department of Transportation M&S Standards Publication dated July 2006. Existing features are shown as screened weight (gray scale). Proposed or new features are shown as full weight without screening.

General Notes:

- This Land Survey Control Diagram is not a boundary survey of the adjoining property and is prepared for the Colorado Department of Transportation and Weld County Public Works Department purposes only. No determination has been made to determine if the found monuments as shown are in their proper position or if they are at the corners they are intended to monument.
- Title policy, title commitment, and title research are not part of this survey, therefore easements, rights, and restrictions of record were not researched and are not shown on this diagram. The verification of the physical evidence with relation to easements, rights of ways, property boundaries, and restrictions, as described in the instruments of record, were not included in this control survey.
- This plan set is subject to change and may not be the most current set. It is the user's responsibility to verify with CDOT and or WCPW that this set is the most current. The information contained on the attached drawing is not valid unless this copy bears an original signature of the Professional Land Surveyor hereon named.
- Refer to the M-629-1 Survey Monuments of the Standard Plans dated July, 2006 found in The Colorado Department of Transportation, M & S Standards for typical survey monument descriptions.



PROJECT LOCATION MAP



**BASIS OF BEARINGS:** Bearings used in the calculations of coordinates are based on a grid bearing of N89°41'39"E from the Southwest Corner of Section 19 to the West 1/16 Corner of Section 19, Township 1 North, Range 66 West of the 6th Principal Meridian. The survey data was obtained from a Global Positioning System (GPS) survey based on the Colorado High Accuracy Reference Network (CHARN).

**BASIS OF ELEVATION:** Project is based on NAVD 88 elevation of 4997.68, NGS designation: N 260 RESET, a standard disk stamped N 260 RESET 1979, in the NW1/4 of Section 18, Township 1 South, Range 66 West, Sixth P.M. All other Control Point elevations on this project are based on GPS observations.

**COORDINATE DATUM:** Project coordinates are modified Colorado State Plane North Zone NAD 83(07) coordinates. The combined elevation/scale factor used to modify the coordinates is 0.99972610. Project coordinates are truncated by 1,000,000 in the Northing and 3,000,000 in the Easting. The CHARN is based on NAD 83(07) datum. Project Coordinates Northing US Survey Feet = (State Plane Coordinate Northing x 1.00027397504 - 1,000,000). Project Coordinates Easting US Survey Feet = (State Plane Coordinate Easting x 1.00027397504 - 3,000,000).

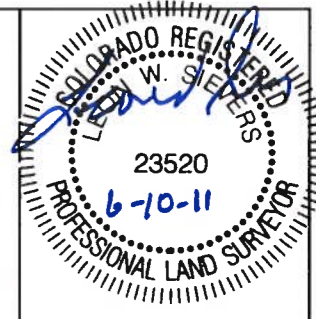
T1N

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SURVEYOR STATEMENT (LAND SURVEY CONTROL DIAGRAM)

I, Leon W. Sievers, a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation this Land Survey Control Diagram was prepared and the field survey it represents was performed under my responsible charge and, based upon my knowledge, information and belief is in accordance with applicable standards of practice defined by Colorado Department of Transportation publications. This statement is not a guaranty or warranty, either expressed or implied.

PLS No. 23520



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Land Survey Control Diagram

Monument Coordinate Tables

Project Number: BRO C030-041			
Project Location: WCR 6 BETWEEN S.H. 85 AND WCR 23			
SECTIONS 19 & 30 - TNSP 1 NORTH - RANGE 66 WEST			
Project Code:	Last Mod. Date:	Subaet	Sheet No. Total Sheets
17809	08-8-11	4.01 to 4.03	4.02 7 of 11

◇

FOUND ALIQUOT MONUMENT COORDINATE TABLE			
Point No.	Northing (ft)	Easting (ft)	Description
100	254631.84	188604.00	2"± PIPE NO CAP IN MON BOX. SET 3 1/4" ALUM. CAP ON PIPE STAMPED WELD COUNTY LS#23520 - 2011
101	254639.32	190007.44	3 1/4" ALUM. CAP STAMPED ALPHA ENG. PLS #41330 IN MON. BOX.

○  
PP

FOUND BOUNDARY MONUMENT COORDINATE TABLE			
Point No.	Northing (ft)	Easting (ft)	Description
			NONE

□  
ROW

FOUND R.O.W. MONUMENT COORDINATE TABLE			
Point No.	Northing (ft)	Easting (ft)	Description
			NONE

○

FOUND EASEMENT MONUMENT COORDINATE TABLE			
Point No.	Northing (ft)	Easting (ft)	Description
			NONE

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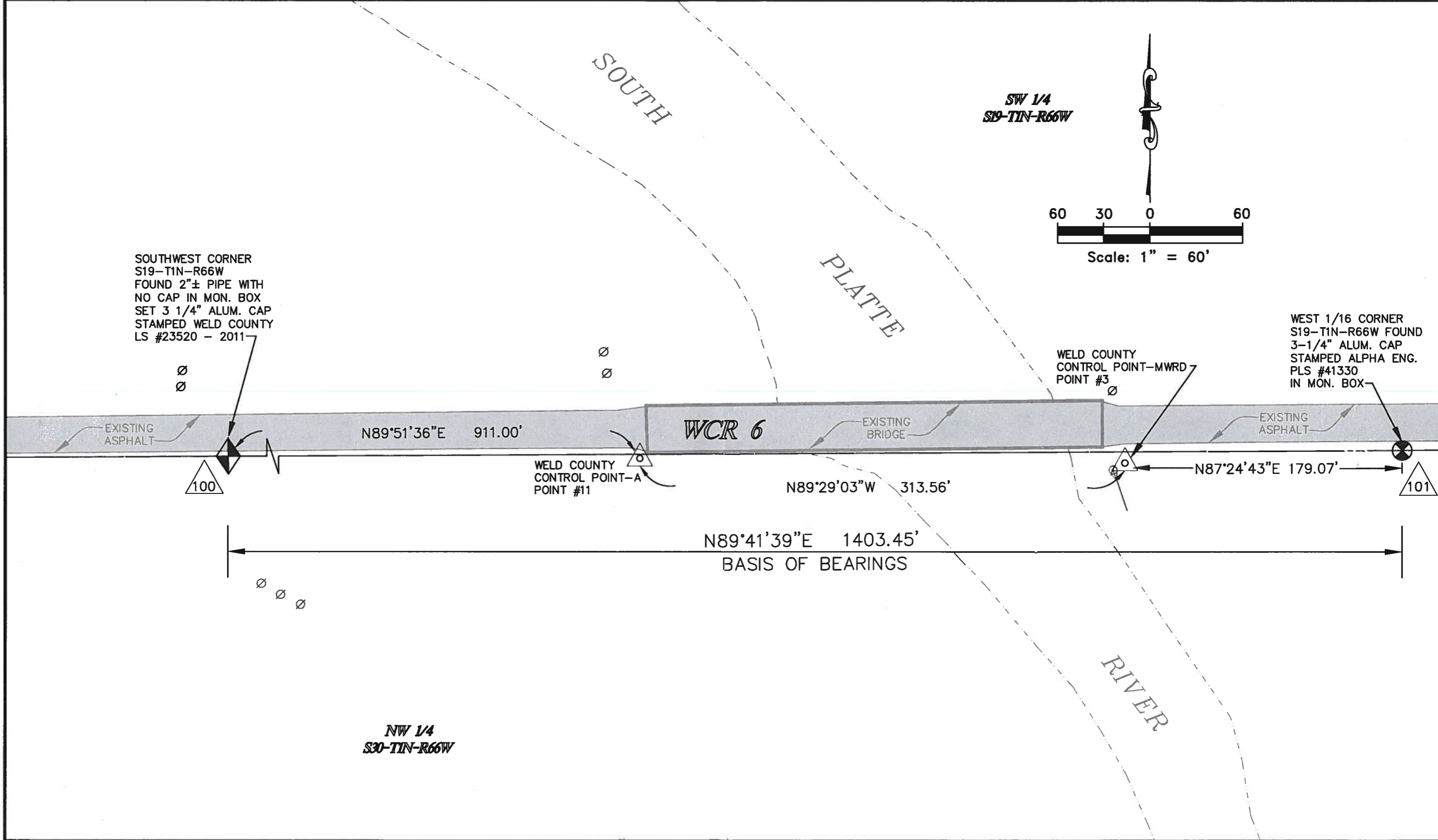
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**Land Survey Control Diagram**

**Plan Sheet**

Project Number: BRO C030-041			
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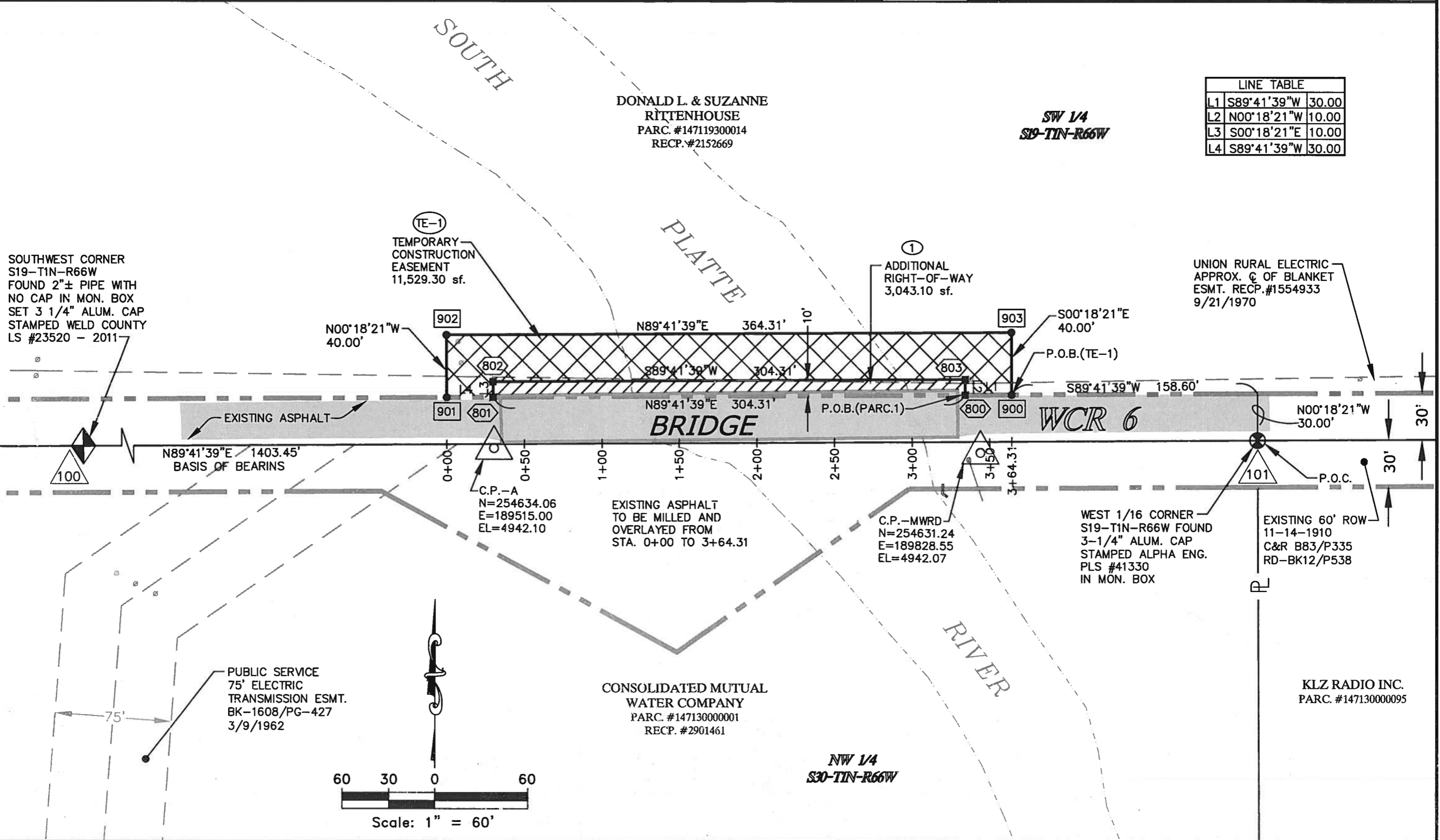
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Right of Way Plans

Plan Sheet

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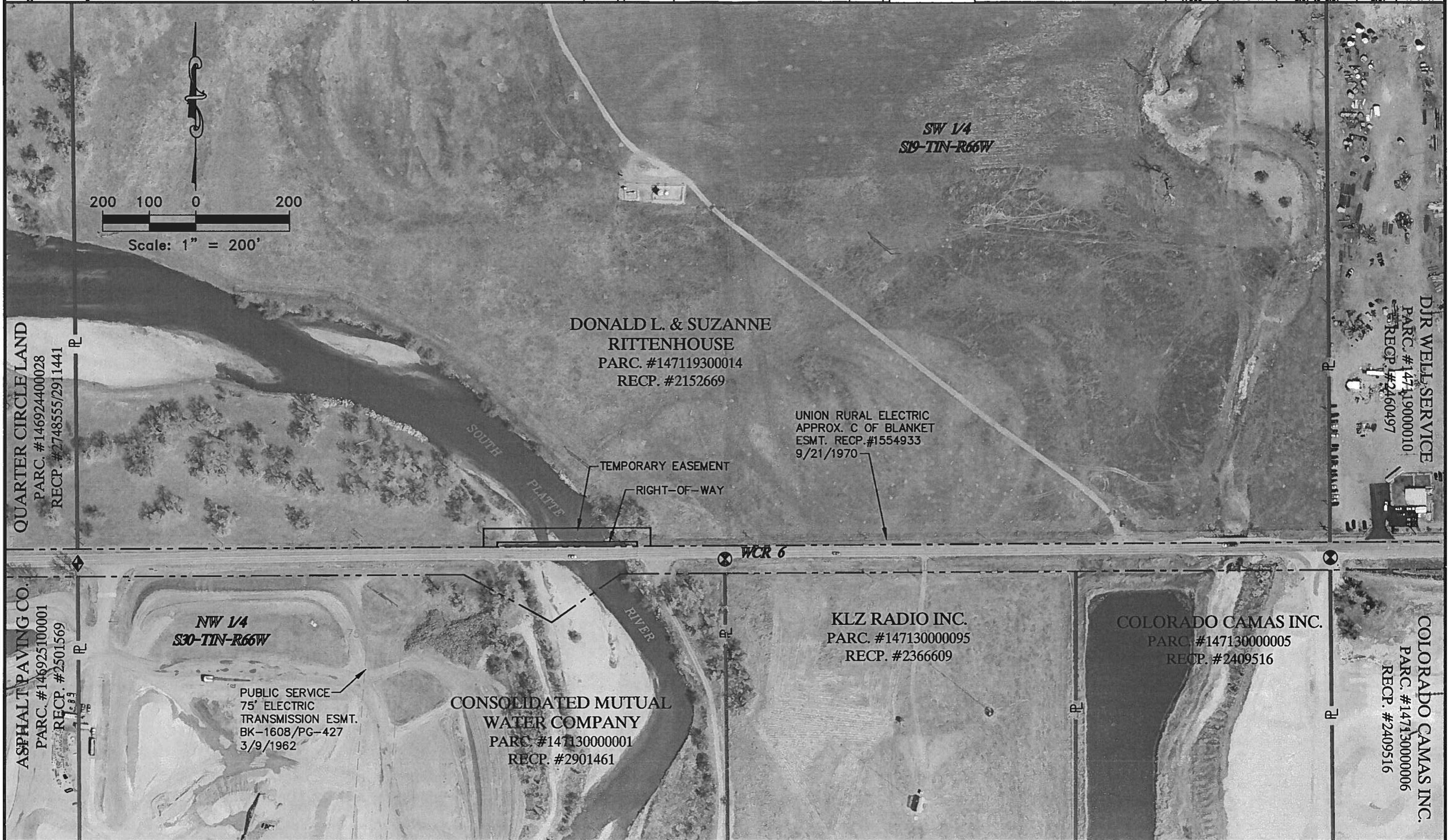
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**Right of Way Plans**

**Ownership Sheet**

Project Number: BRO C030-041		
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DJR WELL SERVICE  
 PARC. #147119000010  
 RECP. #2460497  
 COLORADO CAMAS INC.  
 PARC. #147130000006  
 RECP. #2409516