

BASIS OF BEARINGS

The basis of bearings for State Plane Coordinates shown herein are based on a grid bearing of the Colorado State Plane System, Central Zone (502), North American Datum (1983) as obtained from a Global Positioning System (GPS) survey and can be determined from any monuments set or found as shown on the Survey Control Diagram.

The basis of bearings for project coordinates is a true bearing based on a line from a GLO Brass Cap listed as point No. 2004 of Tract 40, Section 32, T. 4 S, R. 85 W and point No. 4711, a upgraded monument, being a 3.25" aluminum cap on a 3/4" aluminum rod, replacing a 1-1/2" aluminum cap on #5 rebar stamped "COLO DEPT OF HWYS" and located at the south-east corner of section 33, T. 4 S, R. 85 W, having a bearing of S 89°58'19"W and a distance of 9,749.09 feet.

State Plane grid bearings are rotated 05°4'04" to true bearings at point No. 4711 (a 3.25" aluminum cap on a 3/4" aluminum rod located at the south-east corner of section 33, T. 4 S, R. 85 W.).

COORDINATE DATUM

Coordinates on this project are for the exclusive use of the CDOT and are considered Project Coordinates. State Plane coordinates are modified to a project elevation of 6506.24 feet. The average combined scale factor used to convert from state plane to project coordinates is 1/0.99966804035 (1.00033206988).

To convert from State Plane coordinates to Project Coordinates, multiply the Northings and Eastings by the inverse of the combined scale factor of 0.99966804035. Then convert meters to feet using one meter equals 3937/1200 feet. Then rotate 0°54'04" left at point No. 4711.

Project Latitude = 39°39'11.32"N
Project Longitude = 106°55'9.68"W
Project Elevation = 6,506.24'
Project Combined Scale Factor = 0.99966804035

NOTES:

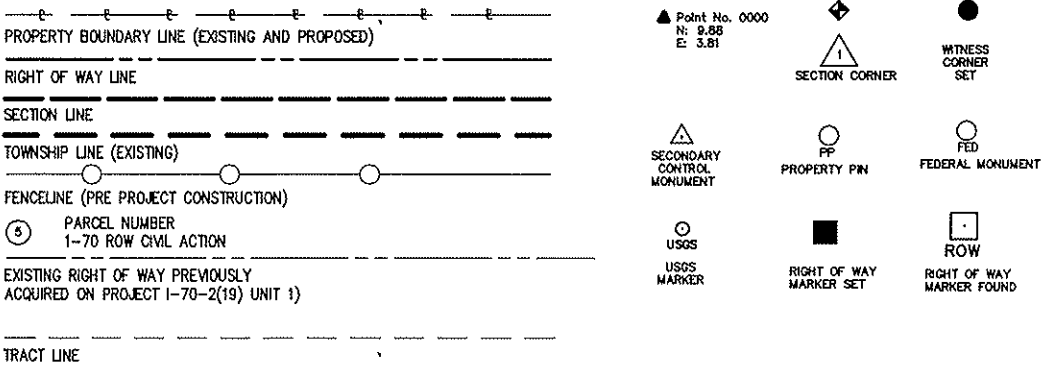
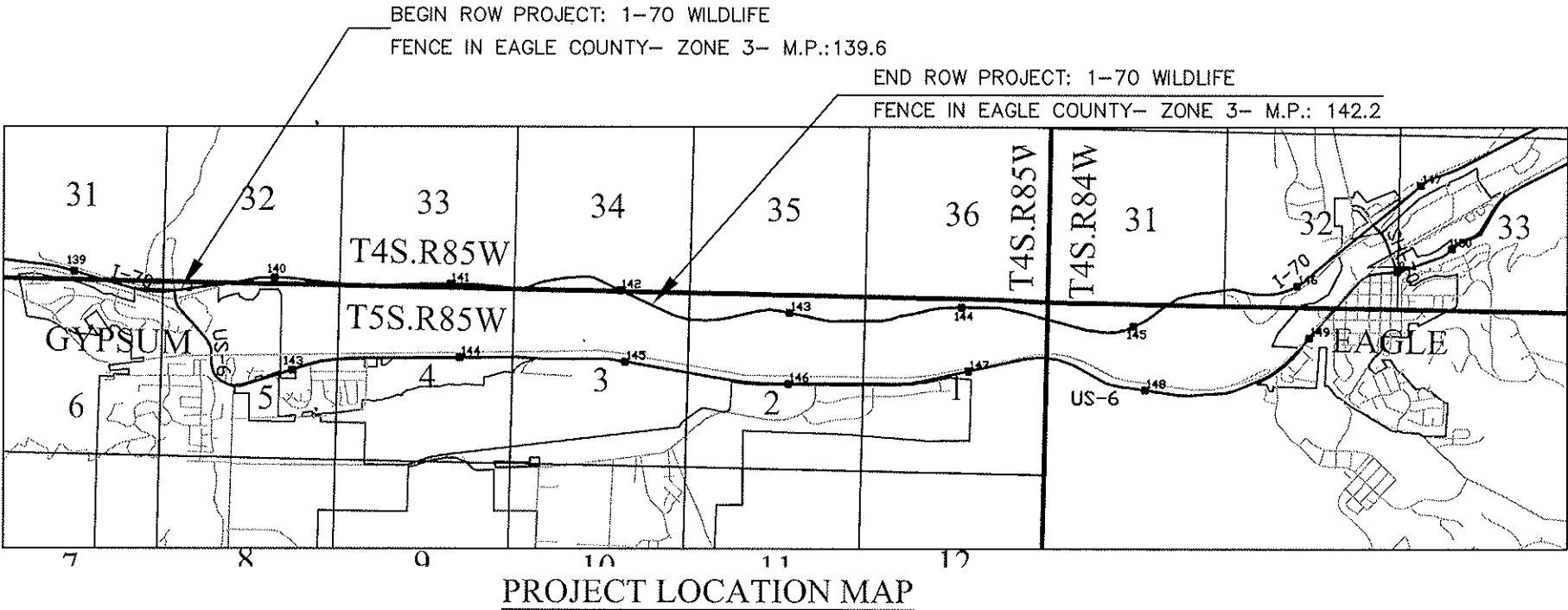
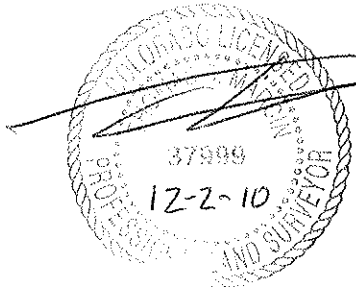
1. This Right-of-Way plan is not a boundary survey of the adjoining property and is prepared for the Colorado Department of Transportation purposes only.
2. This plan set is subject to change and the information contained on the attached drawing is not valid unless this copy bears an original signature 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 discovered 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 certification shown hereon.

DEPARTMENT OF TRANSPORTATION
STATE OF COLORADO
RIGHT OF WAY PLANS
FEDERAL PROJECT NO. C0702-292
STATE HIGHWAY NO. 70A
EAGLE COUNTY
CONSTRUCTION PROJECT CODE NO. 17066

GYPSUM ZONE 3

SHEET NO.	SHEET INDEX
1	TITLE SHEET
2	COORDINATE TABLE
3-5	CONTROL
6	CONTROL AND MONUMENTATION
7-11	PLAN SHEETS

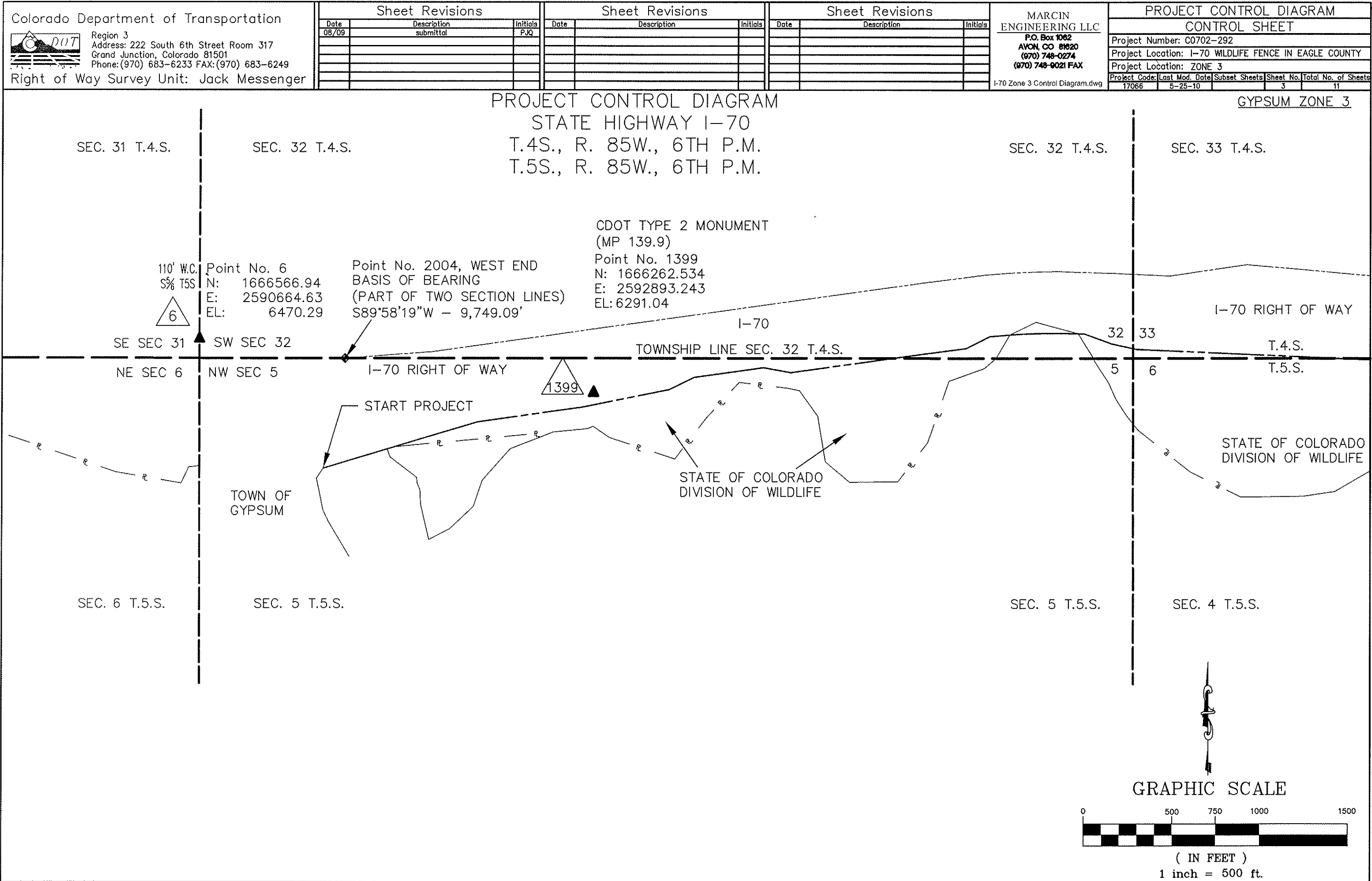


SURVEYOR STATEMENT (ROW PLAN)

I, Thomas S. Marcin, 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 guarantee or warranty, either expressed or implied.

Thomas S. Marcin
PLS No. 37999

Colorado Department of Transportation  Region 3 Address: 222 South 6th Street Room 317 Grand Junction, Colorado 81501 Phone: (970) 683-6233 FAX: (970) 683-6249 Right of Way Survey Unit: Jack Messenger		Sheet Revisions			Sheet Revisions			Sheet Revisions			MARCIN ENGINEERING LLC P.O. Box 1062 AVON, CO 81620 (970) 748-0274 (970) 748-9021 FAX I-70 Zone 3 Control Diagram.dwg		PROJECT CONTROL DIAGRAM				
		COORDINATE TABLES															
		Project Number: C0702-292															
		Project Location: I-70 WILDLIFE FENCE IN EAGLE COUNTY															
		Date: 08/09			Description: submittal			Initials: PJQ					Project Location: ZONE 3				
													Project Code: 17066				
													Last Mod. Date: 05-25-10				
													Subset Sheets: 2				
													Sheet No. 11				
													Total No. of Sheets				
PROJECT CONTROL DIAGRAM STATE HIGHWAY I-70 T.4S., R. 85W., 6TH P.M. T.5S., R. 85W., 6TH P.M. GYPSUM ZONE 3																	
CONTROL COORDINATES																	
Point ID	Monument Description	Latitude	Longitude	Ellipsoidal Height (feet)	Northing CO SPC Central Zone (meters)	Easting CO SPC Central Zone (meters)	Orth. Height (feet)	Geoid Separation (feet)	Convergence	Projection Scale Factor	Combined Scale Factor						
0001	NGS AH7733 (Eagle County 007)	39° 40' 07.594550" N	106° 57' 04.041730" W	6661.55	509548.29	789895.39	6706.71	-45.15	- 0° 54' 54.749"	0.99998494	0.9996666						
0002	NGS AH7732 (Eagle County 006)	39° 39' 41.810990" N	106° 48' 52.198390" W	6570.96	508574.76	801605.30	6615.70	-44.73	- 0° 49' 44.548"	0.99998371	0.9996697						
0004	NGS KLO475 (D280)	39° 38' 35.615090" N	106° 49' 30.111930" W	6580.46	506546.59	800671.88	6625.24	-44.79	- 0° 50' 08.460"	0.99998062	0.99966616						
0005	NGS KLO668 (US CGS Gypsum)	39° 38' 51.458413" N	106° 55' 27.174098" W	6369.27	507163.96	792167.07	6414.47	-45.20	- 0° 53' 53.655"	0.99998135	0.99967697						
0006	NGS AH7744 (110' WC S 5/6 T5S R85W)	39° 39' 12.349780" N	106° 57' 24.734380" W	6425.07	507852.62	789374.94	6470.29	-45.22	- 0° 55' 07.799"	0.99998232	0.99967528						
0009	NGS AH7737 (Eagle County 011)	39° 36' 26.178000" N	106° 58' 11.763580" W	6566.90	502746.56	788171.01	6612.16	-45.25	- 0° 55' 37.460"	0.99997488	0.99966107						
0011	NGS KLO434 (NGS J280)	39° 38' 52.043460" N	106° 54' 59.881180" W	6376.19	507171.82	792817.98	6421.37	-45.18	- 0° 53' 36.442"	0.99998138	0.99967667						
0017	NGS KLO430 (US CGS F280)	39° 38' 47.062709" N	106° 50' 29.205462" W	6490.39	506920.27	799268.28	6535.27	-44.88	- 0° 50' 45.729"	0.99998115	0.99967099						
1399	CDOT TYPE 2 MONUMENT (MP 139.9)	39° 39' 09.346384" N	106° 56' 56.300127" W	6245.82	507749.16	790051.23	6291.04	-45.22	- 0° 54' 49.866"	0.99998218	0.9996837						
1409	CDOT TYPE 2 MONUMENT (MP 140.9)	39° 39' 11.786105" N	106° 55' 45.589626" W	6293.91	507797.69	791737.93	6339.11	-45.20	- 0° 54' 05.270"	0.9999823	0.99968152						
1415	CDOT TYPE 2 MONUMENT (MP 141.5)	39° 39' 12.847444" N	106° 55' 08.756034" W	6333.88	507816.65	792616.44	6379.06	-45.18	- 0° 53' 42.039"	0.99998235	0.99967966						
1420	CDOT TYPE 2 MONUMENT (MP 142.0)	39° 39' 15.933028" N	106° 54' 34.183607" W	6344.24	507898.97	793442.00	6389.40	-45.15	- 0° 53' 20.235"	0.99998249	0.99967931						
1425	CDOT TYPE 2 MONUMENT (MP 142.5)	39° 39' 08.992020" N	106° 54' 01.354308" W	6405.59	507672.83	794221.23	6450.72	-45.13	- 0° 52' 59.530"	0.99998217	0.99967605						
1430	CDOT TYPE 2 MONUMENT (MP 143.0)	39° 39' 09.537303" N	106° 53' 28.805386" W	6530.16	507677.72	794997.36	6575.25	-45.09	- 0° 52' 39.001"	0.99998219	0.99967013						
1462	CDOT TYPE 2 MONUMENT (MP 146.2)	39° 39' 22.852693" N	106° 49' 58.379028" W	6533.46	508013.12	800019.36	6578.29	-44.83	- 0° 50' 26.288"	0.99998282	0.9996706						
1466	CDOT TYPE 2 MONUMENT (MP 146.6)	39° 39' 33.777276" N	106° 49' 39.250649" W	6563.25	508343.33	800480.22	6608.06	-44.81	- 0° 50' 14.223"	0.							



Colorado Department of Transportation



Region 3
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Sheet Revisions

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I-70 Zone 3 Control Diagram.dwg

PROJECT CONTROL DIAGRAM

CONTROL SHEET

Project Number: C0702-292
Project Location: I-70 WILDLIFE FENCE IN EAGLE COUNTY
Project Location: ZONE 3
Project Code: Last Mod. Date: Subset Sheets: Sheet No.: Total No. of Sheets:
17066 05-25-10 4 11

GYPSUM ZONE 3

PROJECT CONTROL DIAGRAM

STATE HIGHWAY I-70

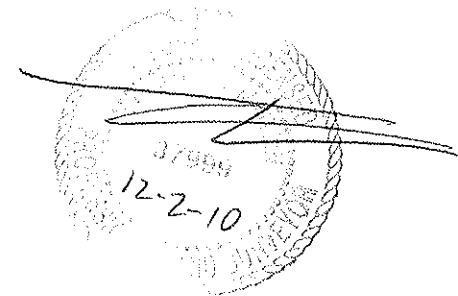
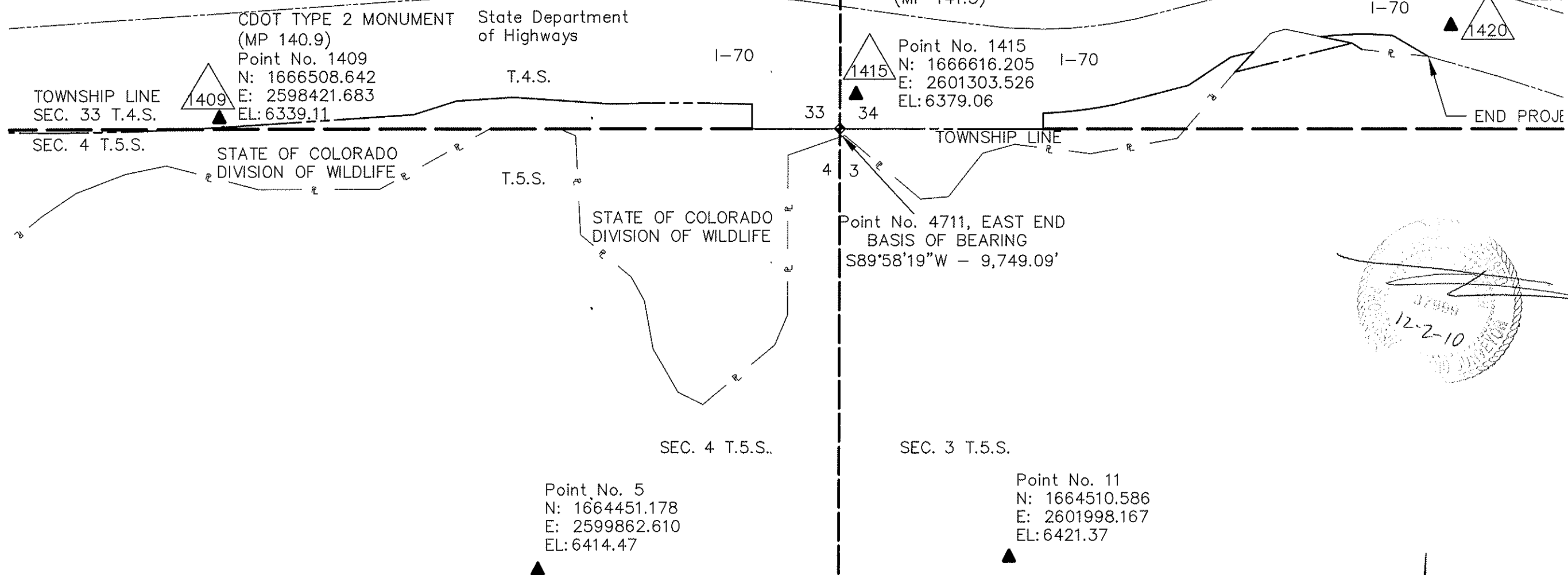
T.4S., R. 85W., 6TH P.M.

T.5S., R. 85W., 6TH P.M.

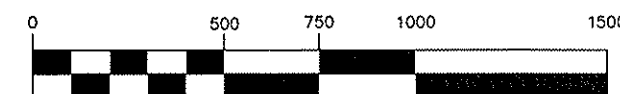
SEC. 33 T.4.S.

SEC. 34 T.4.S.

CDO
(MP
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N: 1
E: 2
EL: 6



GRAPHIC SCALE



(IN FEET)

1 inch = 500 ft.

Colorado Department of Transportation



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I-70 Zone 3 Control Diagram.dwg

PROJECT CONTROL DIAGRAM

PLAN SHEET

Project Number: C0702-292
Project Location: I-70 WILDLIFE FENCE IN EAGLE COUNTY
Project Location: ZONE 3
Project Code: Last Mod. Date Subset Sheets Sheet No. Total No. of Sheets
17066 05-25-10 5 11

GYPSUM ZONE 3

PROJECT CONTROL DIAGRAM
STATE HIGHWAY I-70
T.4S., R. 85W., 6TH P.M.
T.5S., R. 85W., 6TH P.M.

CDOT TYPE 2 MONUMENT
(MP 142.0)

Point No. 1420
N: 1666928.942
E: 2604008.390
EL: 6389.40

SEC. 34 T.4.S.

SEC. 35 T.4.S.

I-70



State Department
of Highways

END PROJECT

TOWNSHIP LINE

34 35

3 2

CDOT TYPE 2 MONUMENT
(MP 142.5)

Point No. 1425
N: 1666227.067
E: 2606577.124
EL: 6450.72

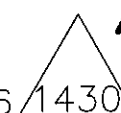


SEC. 3 T.5.S.

SEC. 2 T.5.S.

CDOT TYPE 2 MONUMENT
(MP 143.0)

Point No. 1430
N: 1666283.176
E: 2609123.752
EL: 6575.25



GRAPHIC SCALE



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					Date	Description	Initials	Date	Description	Initials	Date	Description	Initials			CONTROL & MONUMENT SHEET				
															Project Number: C0702-292					
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															17066 05-25-10 6 11					
										GYPSUM ZONE 3										
NUMBER	NORTH	EAST	ELEV.	DESCRIPTION	NUMBER	NORTH	EAST	ELEV.	DESCRIPTION											
2004	1666456.7903	2591482.3992	6340.29	FOUND G.L.O. BRASS CAP TR40	3039	1666786.6206	2603004.9654	6376.62	SET TYPE I MONUMENT PLS 37999											
2005	1665871.7700	2591491.7340	6313.10	FOUND 1-1/4" AL. ON #5 REBAR, CAP ILLEGIBLE	3056	1666774.9978	2603074.4506	6368.38	SET 75' W.C. TYPE I MONUMENT PLS 37999											
2006	1665953.7010	2591760.6200	6298.40	FOUND 1-1/4" AL. ON #5 REBAR, CAP ILLEGIBLE	3040	1666812.1088	2603107.9584	6374.66	SET TYPE I MONUMENT PLS 37999											
3009	1666063.9114	2592124.8517	6284.93	SET 110' W.C. TYPE I MONUMENT PLS 37999	3043	1666879.8611	2603412.8919	6375.56	SET TYPE I MONUMENT PLS 37999											
3010	1666179.6186	2592824.2496	6282.69	SET TYPE I MONUMENT PLS 37999	3050	1666866.7320	2603476.5847	6370.70	SET 80' W.C. TYPE I MONUMENT PLS 37999											
1399	1666262.3470	2592889.2510	6291.04	SET TYPE II MONUMENT, STAMPED MP 139.9	3044	1666884.7405	2603743.6625	6377.79	SET TYPE I MONUMENT PLS 37999											
3011	1666279.1964	2593315.1519	6284.59	SET TYPE I MONUMENT PLS 37999	3045	1666789.7040	2603905.7564	6371.33	SET TYPE I MONUMENT PLS 37999											
3012	1666349.6580	2593456.6821	6295.88	SET TYPE I MONUMENT PLS 37999	1420	1666928.9420	2604008.3900	6389.40	SET TYPE II MONUMENT STAMPED MP 142.0											
3013	1666405.5576	2593852.7568	6298.05	SET TYPE I MONUMENT PLS 37999																
3014	1666393.0887	2594122.1310	6287.13	SET 115' W.C. TYPE I MONUMENT PLS 37999																
3016	1666495.4270	2594847.2449	6294.32	SET TYPE I MONUMENT PLS 37999																
3017	1666514.8078	2594998.7100	6295.46	SET TYPE I MONUMENT PLS 37999																
3018	1666582.4991	2595133.9110	6303.17	SET TYPE I MONUMENT PLS 37999																
3019	1666592.2713	2595248.0936	6303.24	SET TYPE I MONUMENT PLS 37999																
3052	1666601.3739	2595529.2792	6305.69	SET TYPE I MONUMENT PLS 37999																
3021	1666599.4980	2595635.8627	6307.03	SET TYPE I MONUMENT PLS 37999																
3022	1666598.8820	2595670.8573	6307.29	SET TYPE I MONUMENT PLS 37999																
3023	1666542.0214	2595822.8709	6298.49	SET TYPE I MONUMENT PLS 37999																
3024	1666514.7777	2595948.0404	6297.00	SET 20' W.C. TYPE I MONUMENT PLS 37999																
3025	1666459.7543	2597105.0724	6312.77	SET TYPE I MONUMENT PLS 37999																
3026	1666456.7413	2597167.3780	6313.94	SET TYPE I MONUMENT PLS 37999																
3027	1666456.0086	2598189.0399	6322.16	SET TYPE I MONUMENT PLS 37999																
2075	1666460.9010	2598275.5710	6327.46	FOUND 1 1/2" AL. CAP ON #5 REBAR, STAMPED "C.D.O.H. R.O.W."																
2074	1666469.7175	2598439.2494	6336.33	FOUND 1 1/2" AL. CAP ON #5 REBAR, STAMPED "C.D.O.H. R.O.W."																
1409	1666508.6420	2598421.6830	6339.11	SET TYPE II MONUMENT, STAMPED MP 140.9																
2073	1666460.2050	2598588.5900	6339.39	FOUND 2 1/2" BRASS CAP QUARTER CORNER SEC. 33/4																
3029	1666525.2403	2599296.9712	6327.71	SET TYPE I MONUMENT PLS 37999																
3030	1666588.1176	2599493.3506	6351.46	SET TYPE I MONUMENT PLS 37999																
3031	1666592.1871	2599930.7958	6365.66	SET 184' W.C. TYPE I MONUMENT PLS 37999																
3032	1666592.1871	2599930.7958	6364.36	SET TYPE I MONUMENT PLS 37999																
3033	1666573.1794	2600829.8166	6363.27	SET TYPE I MONUMENT PLS 37999																
2065	1666461.0470	2600829.9320	6359.13	FOUND 2 1/2" BRASS CAP S4, S33, TR42, (PIPE LEANING SOUTH)																
4711	1666461.5548	2601231.4865	6348.71	UPGRADED TO A TYPE I MONUMENT PLS 37999																
1415	1666616.2050	2601303.5260	6379.06	SET TYPE II MONUMENT, 'STAMPED MP 141.5																
3058	1666460.6201	2602149.4860	-----	NOT SET - LOCATED IN RIVER BANK																
3036	1666531.8200	2602149.4083	6369.27	SET TYPE I MONUMENT PLS 37999																
2209	1666571.0460	2602473.3250	6359.67	FOUND 1 1/2" AL. CAP ON #5 REBAR, STAMPED "C.D.O.H. R.O.W."																
2216	1666658.9830	2602812.6070	6361.88	FOUND 1 1/2" AL. CAP ON #5 REBAR, ILLEGIBLE																

Colorado Department of Transportation



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Right of Way Survey Unit: Jack Messenger

Sheet Revisions

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08/09	submittal	PJQ

Sheet Revisions

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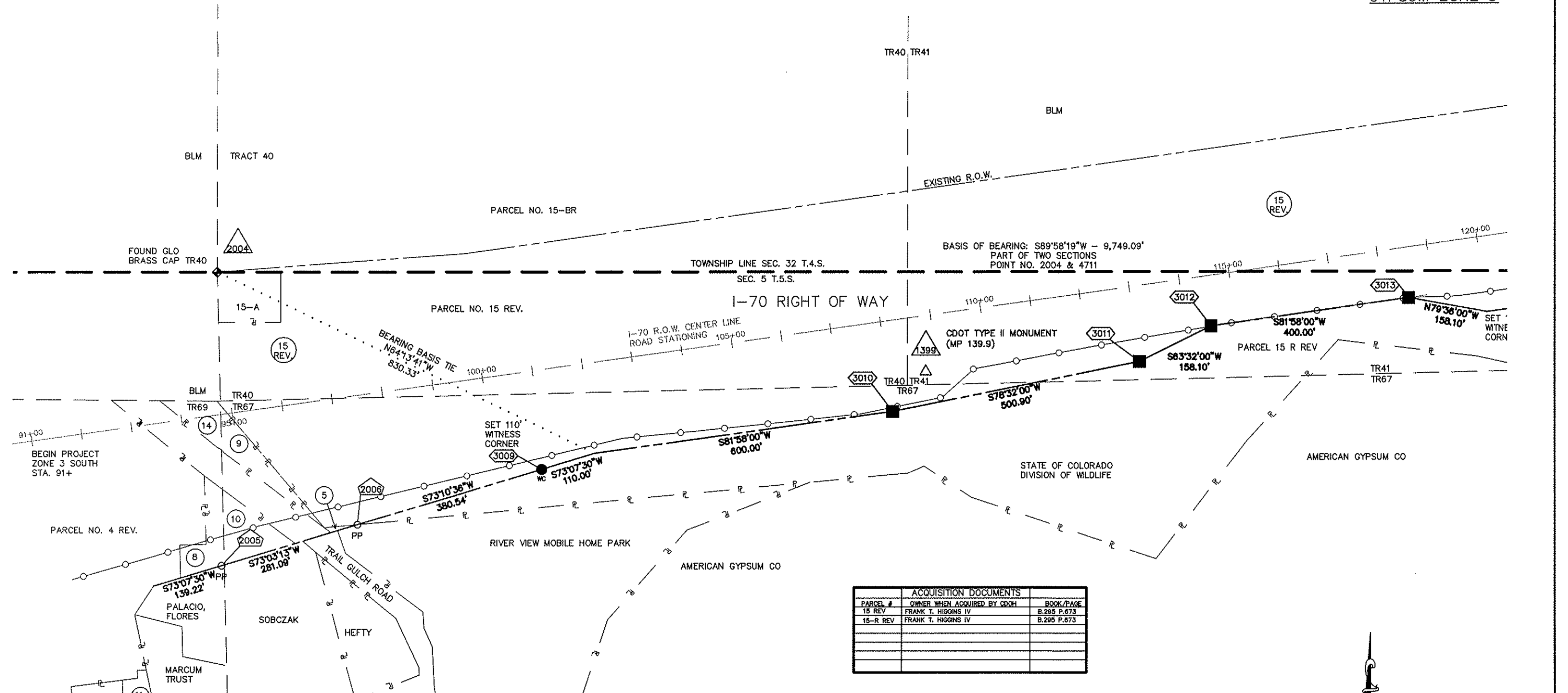
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I-70 Zone 3 Plat 2.dwg

Right of Way Plans

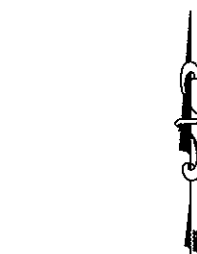
PLAN SHEET

Project Number: C0702-292
Project Location: I-70 WILDLIFE FENCE IN EAGLE COUNTY
Project Location: ZONE 3
Project Code: Last Mod. Date Subset Sheets Sheet No. Total No. of Sheets
17066 05-25-10 7 11

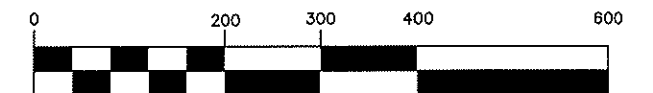
GYPSUM ZONE 3



PARCEL #	OWNER WHEN ACQUIRED BY CDOT	BOOK/PAGE
15 REV	FRANK T. HIGGINS IV	B.295 P.673
15-R REV	FRANK T. HIGGINS IV	B.295 P.673



GRAPHIC SCALE



(IN FEET)
1 inch = 200 ft.

EXISTING RIGHT OF WAY PREVIOUSLY
ACQUIRED ON PROJECT I-70-2(19) UNIT 1)

Colorado Department of Transportation



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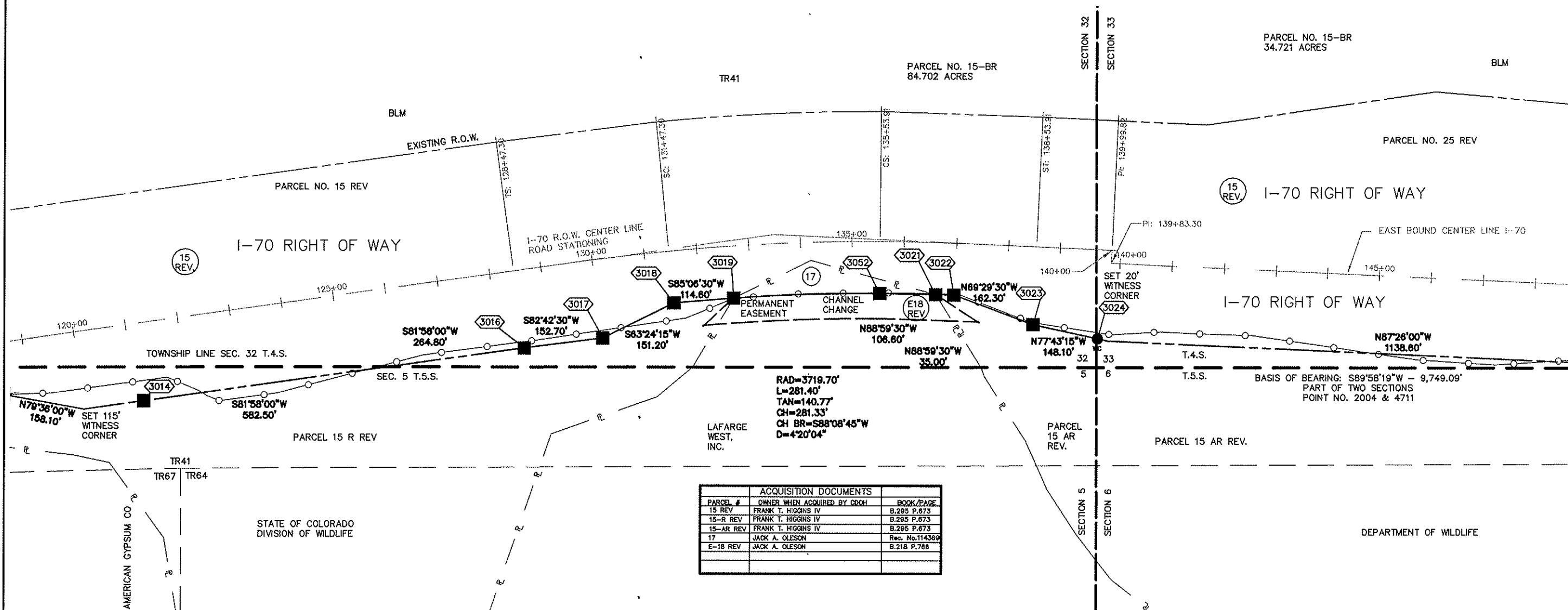
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Date	Description	Initials

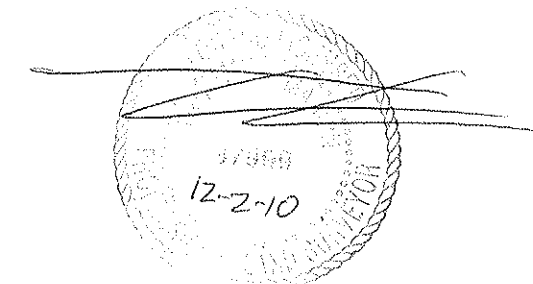
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(970) 748-0274
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I-70 Zone 3 Plat 2.dwg

Right of Way Plans				
PLAN SHEET				
Project Number: C0702-292				
Project Location: I-70 WILDLIFE FENCE IN EAGLE COUNTY				
Project Location: ZONE 3				
Project Code: 17066	Last Mod. Date: 05-25-10	Subst Sheets: 8	Sheet No.: 8	Total No. of Sheets: 11

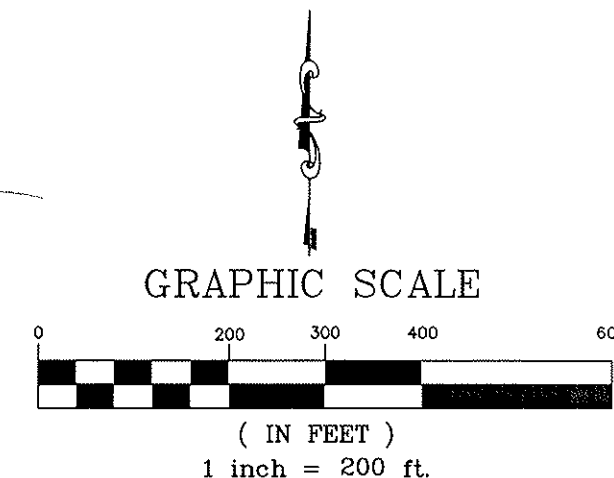
GYPSUM ZONE 3



ACQUISITION DOCUMENTS		
PARCEL #	OWNER WHEN ACQUIRED BY CDDH	BOOK/PAGE
15 REV	FRANK T. HIGGINS IV	B.295 P.673
15-R REV	FRANK T. HIGGINS IV	B.295 P.673
15-AR REV	FRANK T. HIGGINS IV	B.295 P.673
17	JACK A. OLESON	Rec. No. 114369
E-18 REV	JACK A. OLESON	B.218 P.766



EXISTING RIGHT OF WAY PREVIOUSLY
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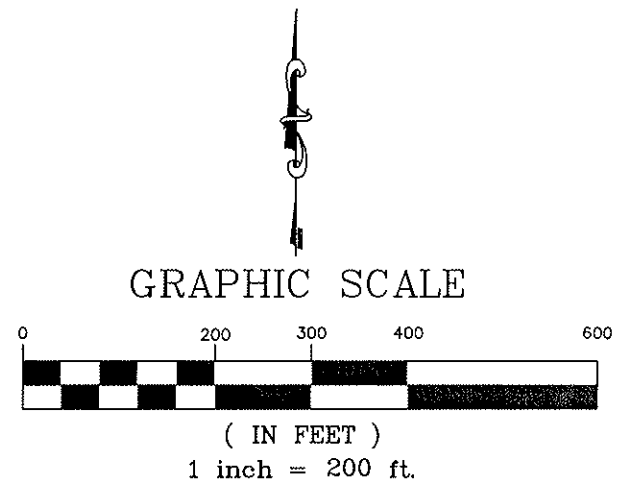
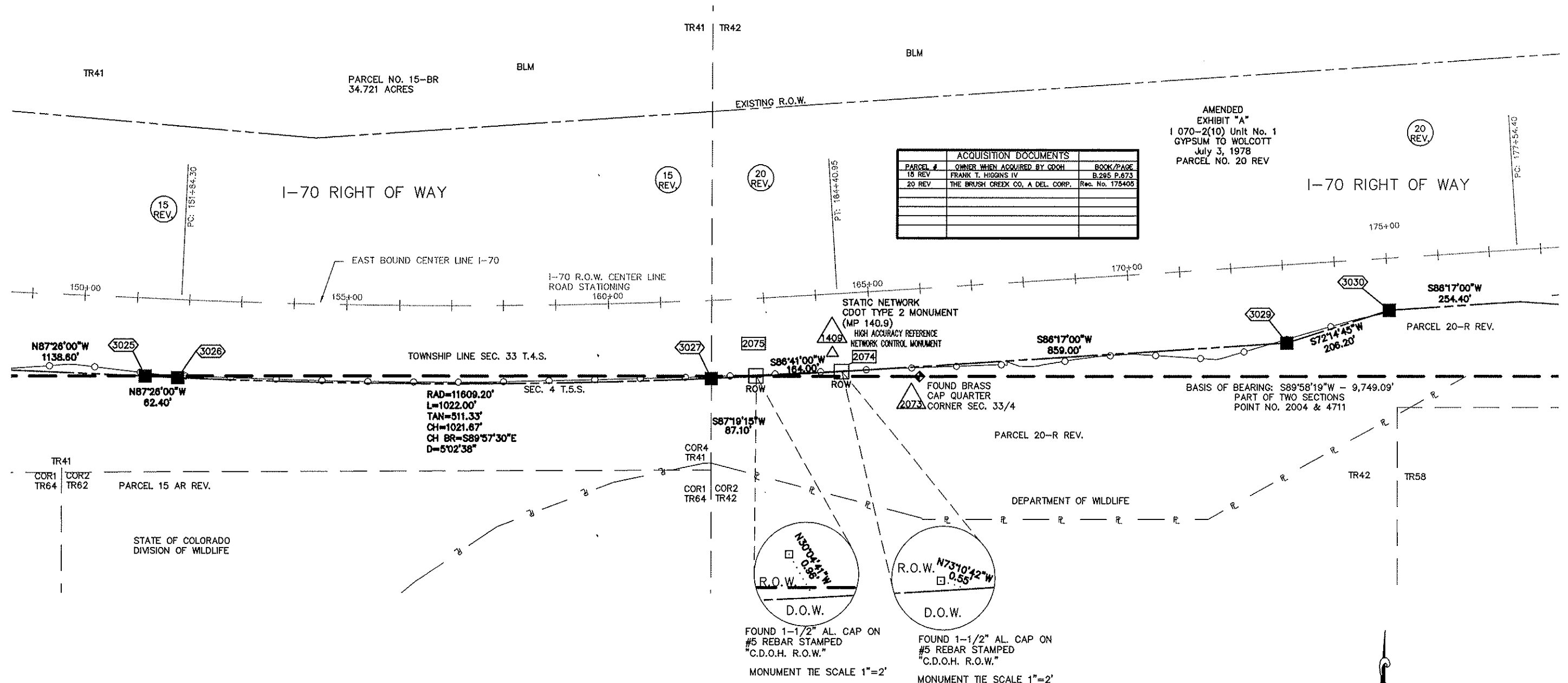
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I-70 Zone 3 Plat 2.dwg

Right of Way Plans					
PLAN SHEET					
Project Number: C0702-292					
Project Location: I-70 WILDLIFE FENCE IN EAGLE COUNTY					
Project Location: ZONE 3					
Project Code:	Last Mod. Date:	Subst Sheets	Sheet No.	Total No. of Sheets	
17066	05-25-10		9	11	

GYPSUM ZONE 3



EXISTING RIGHT OF WAY PREVIOUSLY
ACQUIRED ON PROJECT I-70-2(19) UNIT 1)

Colorado Department of Transportation



Region 3
Address: 222 South 6th Street Room 317
Grand Junction, Colorado 81501
Phone: (970) 683-6233 FAX: (970) 683-6249

Right of Way Survey Unit: Jack Messenger

Sheet Revisions

Date	Description	Initials
08/09	submittal	PJQ

Sheet Revisions

Date	Description	Initials

Sheet Revisions

Date	Description	Initials

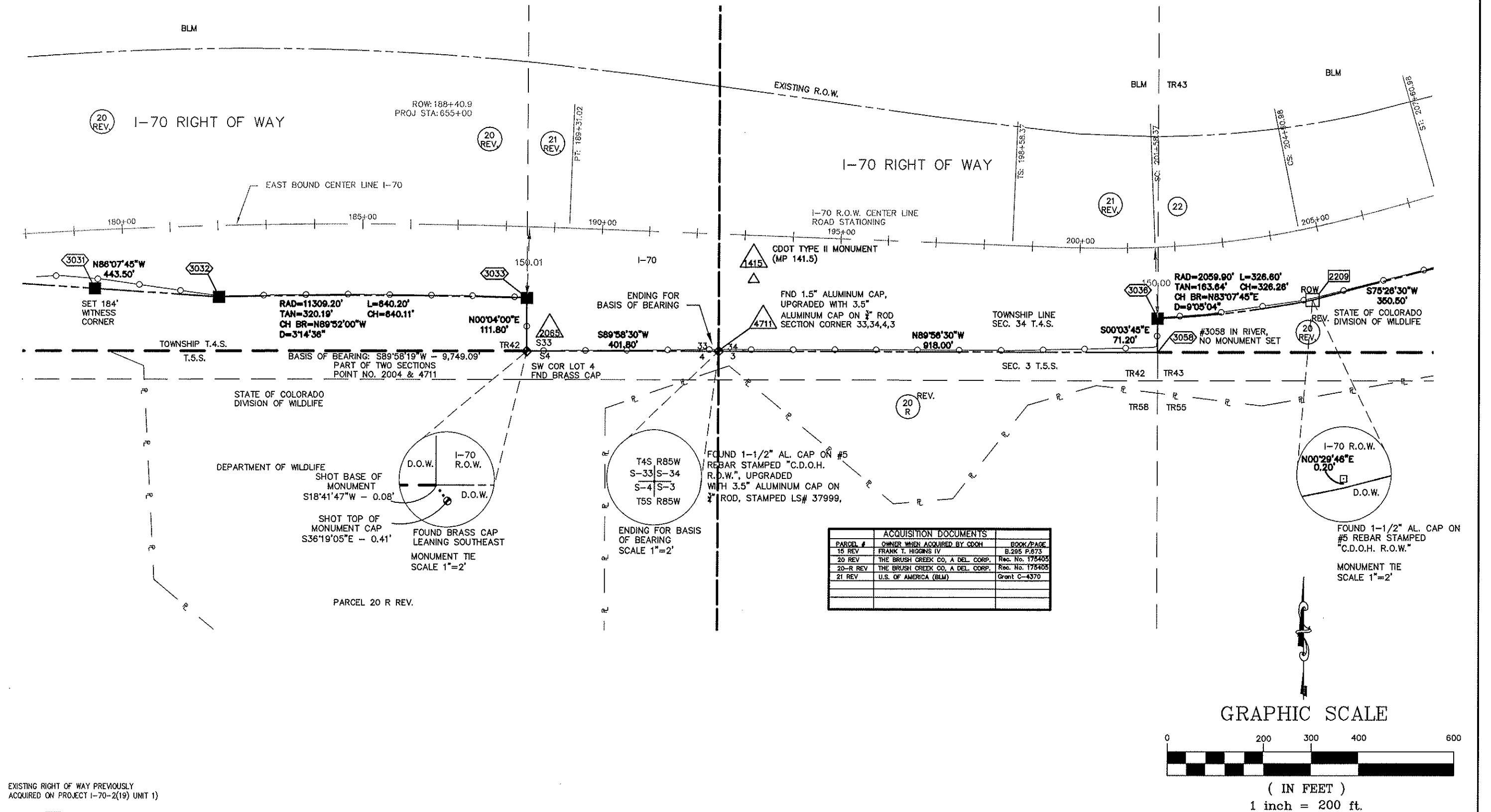
MARCIN
ENGINEERING LLC
P.O. Box 1062
AVON, CO 81620
(970) 748-0274
(970) 748-9021 FAX
I-70 Zone 3 Plat 2.dwg

Right of Way Plans

PLAN SHEET

Project Number: C0702-292
Project Location: I-70 WILDLIFE FENCE IN EAGLE COUNTY
Project Location: ZONE 3
Project Code: Last Mod. Date Subst. Sheets Sheet No. Total No. of Sheets
17066 05-25-10 10 11

GYPSUM ZONE 3



GYPSUM ZONE 3

