Colorado Department of Transportation										
DOT	222 South	n 6th Street								
DEFINITE OF TRANSPORTATION	Grand Ju	nction, CO 81501 970-683-6233	FAX:	970-683-6249						

Region 3

				* **							
	Sheet Revisions			Sheet Revisions		Sheet Revisions					
€	Description	Initials		Description	Initials	Date	Description	Initials	Ш		
d/yy			mm/dd/yy			mm/dd/yy		\perp			
								\bot	H		
_								\perp	П		
									I=		
								\bot	1		
								lacksquare	1		

LUND 12265 W. Bayaud Avenue, Suite 130 Lakewood, Colorado 80228 P-303 989 1461 F-303 989 409 @ SURVEYON

4.01

4.02 4.03

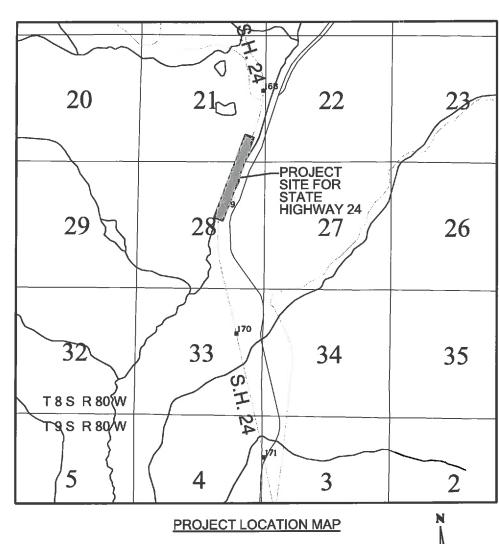
4.04

Land Survey Control Diagram and ROW Plan									
TITLE SHEET									
Project Nu	mber: HPP (0241-058							
Project Lo	cation: STAT	E HIGHWAY 24							
LAKE COUNTY, COLORADO									
roject Code	Last Mod. Date	Subset	Sheet No.						
18283	06-20-2012	4.01 of 4.04	4.01						

DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

LAND SURVEY CONTROL DIAGRAM AND RIGHT OF WAY PLAN BEING A RETRACEMENT SURVEY OF RIGHT OF WAY LINES

> State Highway 24 (MP 168.5 to MP 169.4) Section 28 Township 8 South, Range 80 West of the 6th Principal Meridian County of Lake



4000'

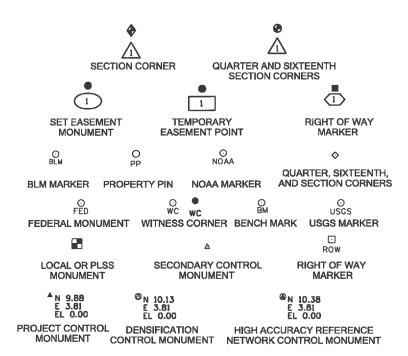
1" = 4000'

2000'

8000

SHEET NO. **INDEX OF SHEETS**

- (1) Title Sheet (1) Control Mon **Control Monument Coordinate Tables**
- (1) LSCD Plan Sheet
- (1) Existing ROW Plan Sheet
- (4) Total Sheets



JACK MESSENGER, PLS

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.

General Notes:

- 1. This Land Survey Control Diagram and 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. 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 Land Survey Control Diagram.
- 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 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.
- 4. 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.

BASIS OF BEARINGS: Bearings used in the calculations of coordinates are based on a line connecting the South Quarter Corner of Section 28, Township 8 South, Range 80 West, of the 6th Principal Meridian (being a found 2 1/2" diameter aluminum cap stamped in part "1/4 S28 S33-T8S-R80W-LS 18974-1998") and the Center Quarter Corner of said Section 28 (being a found 2 1/2" diameter aluminum cap stamped in part "C 1/4 S28-T8S-R80W-LS 18974-1998") being a GRID bearing of N. 00°15′00" W. 2609.79' as obtained from a global positioning system (GPS) survey based on the Colorado High Accuracy Reference Network (CHARN). Said grid bearing is NAD 83 (1992) Colorado State Plane Central Zone 502.

BASIS OF ELEVATIONS: Elevations shown hereon are relative to NAVD 88. Project elevations shown hereon were previously established and reported on CDOT Survey Control Diagram prepared for 2002 Project Number STA 0241-039, Project Code 13606.

The Lund Partnership field surveyed and verified the existence, condition, and reported elevations on the control monuments included herein.

COORDINATE DATUM: (From Survey Control Diagram prepared for 2002 Project Number STA 0241-039, Project Code 13606).

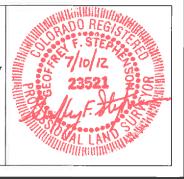
"Project coordinates are modified Colorado State Plane Central Zone, NAD 83. PICS version 3.0 was used to calculate these parameters. The combined elevation/scale factor used to modify the coordinates was 0.9994651224. The combined elevation/scale factor was calculated using a project mean elevation of 3037m. The coordinates were then truncated by 200,000 meters in the northing, and 400,000 meters in the easting."

All values shown in this Survey Control Diagram are US Survey feet.

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 (LAND SURVEY CONTROL DIAGRAM AND RIGHT OF WAY PLAN)

l, Geoffery F. Stephenson , a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation this Land Survey Control Diagram and Right of Way Plan 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. 23521



Colorado Department of Transportation



222 South 6th Street Room 317

Grand Junction, CO 81501

Phone: 970-683-6233 FAX: 970-683-6249

JACK MESSENGER, PLS

									_		
	Sheet Revisions			Sheet Revisions		Sheet Revisions					
Date	Description	Initials	Date	Description	Initials	Date	Description	Initials	1		
n/dd/yy			mm/dd/yy			mm/dd/yy		+	L		
		-	\square			\vdash		+-			
		\vdash				\vdash			П		
		-			-	\longrightarrow		┼	1-		
	21	- 25	\vdash		-		<u> </u>	+			
		-	\vdash		-			+			
			<u> </u>					لحسك	_		



Land Survey Control Diagram and ROW Plan
Control Monument Coordinate Tables
Project Number: HPP 0241-058
Project Location: STATE HIGHWAY 24
LAKE COUNTY, COLORADO

| Project Code Last Mod. Date | Subset | Sheet No. | 18283 | 06-20-2012 | 4.02 of 4.04 | 4.02 |

 \mathbf{A}

Region 3

GEODETIC COORDINATE SUMMARY TABLE OF SURVEY CONTROL POINTS - FOUND AND VERIFIED ON 12/21/2011 (U.S. FEET):

DOINT NO				PROJECT CO	PROJECT COORDINATES NAVD 88 NORTHING EASTING ELEVATION		DESCRIPTION				
POINT NO.	LATITUDE	LONGITUDE	HEIGHT	MAPPING ANGLE	NORTHING	EASTING	POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
SH 24 CM-MP 169.40	39° 19' 16.70547" N	106° 20' 09.88354" W	9898.46	-0°31'38.3"	1543006.66	2763475.93	SH 24 CM-MP 169.40	887665.76	1452621.51	9940.46	FOUND 3 1/4" ALUMINUM CAP TYPE 2 MONUMENT STAMPED IN PART "CONTROL MONUMENT - STATE HIGHWAY 24 - MSM - CDOT - MP 169.40"
SH 24 CM-MP 169.25	39° 19' 24.61653" N	106° 20' 09.91722" W	9911.65	-0°31'38.3"	1543807.04	2763480.65	SH 24 CM-MP 169.25	888466.57	1452626.23	9953.59	FOUND 3 1/4" ALUMINUM CAP TYPE 2 MONUMENT STAMPED IN PART "CONTROL MONUMENT - STATE HIGHWAY 24 - MSM - CDOT - MP 169.25"
SH 24 CM-MP 168.85	39° 19' 45.44222" N	106° 20' 02.16048" W	9949.86	-0°31'33.4"	1545908.35	2764109.50	SH 24 CM-MP 168.85	890569.00	1453255.42	9991.76	FOUND 3 1/4" ALUMINUM CAP TYPE 2 MONUMENT STAMPED IN PART "CONTROL MONUMENT - STATE HIGHWAY 24 - MSM - CDOT - MP 168.85"
SH 24 CM-MP 168.70	39° 19' 53.57308" N	106° 20' 00.46846" W	9987.99	-0°31'32.4"	1546729.72	2764249.99	SH 24 CM-MP 168.70	891390.81	1453395.98	10029.87	FOUND COLORADO DEPARTMENT OF TRANSPORTATION TYPE 2 MONUMENT ROD AT GROUND LEVEL - CAP MISSING
SH 24 CM-MP 168.55*	39° 19' 59.63433" N	106° 19' 52.75849" W	10030.38	-0°31'27.5"	1547337.38	2764861.37	SH 24 CM-MP 168.55*	891998.79	1454007.69	10072.25	FOUND 3 1/4" ALUMINUM CAP TYPE 2 MONUMENT STAMPED IN PART "CONTROL MONUMENT - STATE HIGHWAY 24 - MSM - CDOT - MP 168.55"

^{*}Denotes Control Points Not Shown Graphically On Diagram



ALIQUOT CORNERS TABULATION PROJECT SPECIFIC COORDINATES (U.S. FEET):



	PROJECT COORDINATES								
POINT NO.	NORTHING	EASTING	LOCATION	DESCRIPTION					
2006	891426.04	1453331.35	EAST 1/16TH CORNER SECS 21 & 28, T8S, R80W, 6TH P.M.	FOUND 3 1/4" BRASS CAP STAMPED IN PART "LAKE COUNTY SURVEY MONUMENT - T8S R80W					
2006	891426.04 1453331.35 EAST 1/16TH CORNER SECS 21 & 28, 185, R80W, 6TH P.M.		EAST 1/101H CORNER SECS 21 & 28, 183, R80W, 01H P.W.	E 1/16 - S21 S28 - LS 4002 - 1974"					
2023	2023 888802.68 14520		CENTER 1/4 CORNER SECTION 28, T8S, R80W, 6TH P.M.	FOUND 2 1/2" ALUMINUM CAP STAMPED IN PART "ALPINE SURVEYORS - T8S R80W - C 1/4					
2023	000002.00	1452006.38	CENTER 1/4 CORNER SECTION 28, 183, R80W, 0111 F.W.	S28 - PLS 18974 - 1998"					
2025	886192.91	1452017.76	SOUTH 1/4 CORNER SECTION 28, T8S, R80W, 6TH P.M.	FOUND 2 1/2" ALUMINUM CAP STAMPED IN PART "ALPINE SURVEYORS - T8S R80W - 1/4					
2025	880192.91	1432017.76	SOUTH 1/4 CORNER SECTION 28, 185, ROUV, 61H P.IVI.	S28 S33 - PLS 18974 - 1998"					
2020	886194.11	1453335.27	EAST 1/16TH CORNER SECS 28 & 33, T8S, R80W, 6TH P.M.	FOUND 2 1/2" ALUMINUM CAP STAMPED IN PART "ALPINE SURVEYORS - T8S R80W - E 1/16					
2029	000134.11	1455555.27	EAST 1/10TH CORNER SECS 28 & 33, 163, R60W, 6TH P.IVI.	S28 S33 - PLS 18974 - 1998"					



. ROW

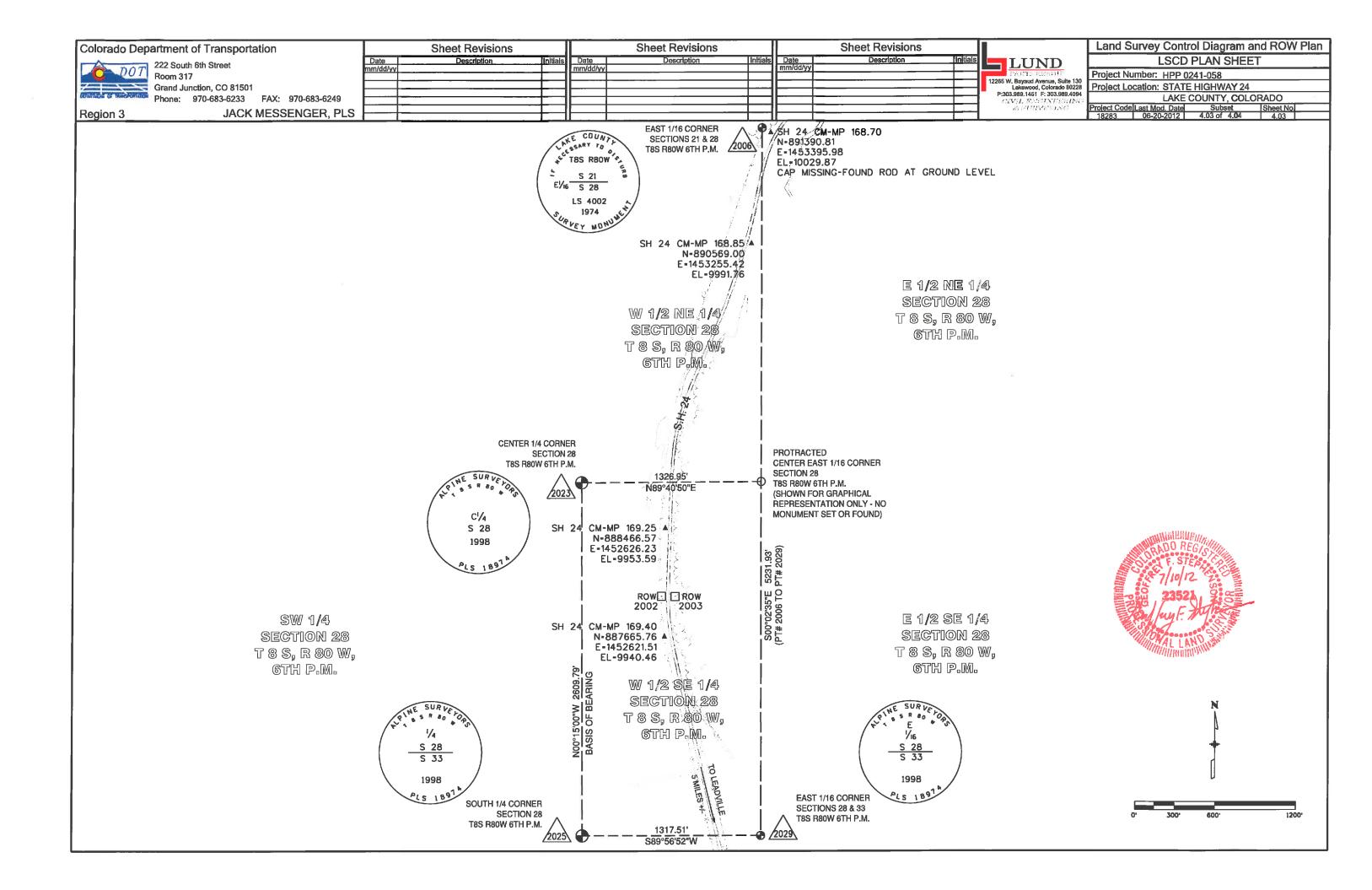
FOUND RIGHT OF WAY MONUMENT TABULATION PROJECT SPECIFIC COORDINATES (U.S. FEET):

	PROJECT CO	ORDINATES	NAVD 88							
POINT NO.	NT NO. NORTHING EASTING ELEVATION			DESCRIPTION						
2002	887964.01	1452599.90	9941.49	FOUND 3" BRASS CAP IN CONC POST STAMPED IN PART "STATE HWY DEPT-ROW MARKER-STA 306+"						
2003	887961.33	1452699.94	9952.12	FOUND 3" BRASS CAP IN CONC POST STAMPED IN PART "STATE HWY DEPT-ROW MARKER-STA 306+53.3"						
2027*	883567.38	1453581.61	9949.14	FOUND 3" BRASS CAP IN CONC POST STAMPED IN PART "STATE HWY DEPT-ROW MARKER-STA 261+54.3"						
2028*	883567.41	1453696.72	9951.15	FOUND 3" BRASS CAP IN CONC POST STAMPED IN PART "STATE HWY DEPT-ROW MARKER-STA 261+27.4"						

^{*}Denotes ROW Monuments Not Shown Graphically On Diagram

SURVEY CONTROL POINT NOTE:

Data and coordinate values shown hereon for project control points are based upon the Survey Control Diagram prepared for Colorado Department of Transportation Project Number STA 0241-039 (Project Code 13606). Said diagram was prepared by Mountain Surveying & Mapping, Inc. on or about January 2002. The Lund Partnership field verified the existence, condition, and values of the control monuments shown hereon for use in this project.



Colorado Department of Transportation		Sheet Revisions		Sheet Revisions	3		Sheet Revision	s		Land Survey Control Di	
222 South 6th Street	Date mm/dd/y	Description Initials	Date mm/dd/yy	Description	Initials	Date mm/dd/yy	Description	Initials	LUND	PLAN SHEET - EXIS	
Room 317										Project Number: HPP 0241-05 Project Location: STATE HIGH	
Grand Junction, CO 81501 Phone: 970-683-6233 FAX: 970-683-6249								-	P:303.989.1461 F: 303.989.4094		TY, COLORADO
Region 3 JACK MESSENGER, PLS									o BURVIO NC		Subset Sheet No
Trogistio Ortor Messertaert, Fes		J								18283 00-20-2012 4.04	01 4.04 4.04
EXISTING WESTERLY RIGHT OF WAY LINE DESCRIPTION:										ECIFIC COORDINATE	ES (U.S. FEET)
AN EXISTING RIGHT OF WAY LINE LYING IN THE W 1/2 OF THE					Points snow	on this la	bulation are for the existing	ngnt of way of S	tate Highway 24 shown herei	n.	
SECTION 28, T8S, R80W, OF THE 6TH P.M., LAKE COUNTY, MORE PARTICULARLY DESCRIBED AS FOLLOWS:	COLORA	DO, BEING W 1	/2 N]E 1/4	Point No.	Northin	g Easting		Description	Station	Offset
CONMICTORING AT THE OFFICE OF A PROPERTY OF	AL OO.	SE(CTIC	N 28	600	889567.	75 1452792.85	SET CDOT	TYPE 1 ROW MONUMENT	336+91.27	-40.00
COMMENCING AT THE CENTER QUARTER OF SAID SECTION THENCE N45°47'26"E A DISTANCE OF 1097.21 FEET, TO A P	IN 28; OINT ON			80 W,	601	889536.	15 1452866.35	SET CDOT	TYPE 1 ROW MONUMENT	336+91.27	40.00
LINE OF THE EXISTING STATE HIGHWAY 24 RIGHT OF WAY		2012), BEING THE		-	602	889848.	-	SET CDOT	TYPE 1 ROW MONUMENT	340+31.07	40.00
TRUE POINT OF BEGINNING;		6	TH F		603	889879.			TYPE 1 ROW MONUMENT	340+31.07	-40.00
THENCE THE FOLLOWING TWO (2) COURSES ALONG SAID					604	890065.0			TYPE 1 ROW MONUMENT	342+32.48	-40.00
1) N23°16'06"E A DISTANCE OF 339.80 FEET TO A POINT OF 2) THENCE ALONG A CURVE TO THE LEFT, HAVING A RADI					605	890033.	38 1453076.39	SET CDOT	TYPE 1 ROW MONUMENT	342+29.69	40.00
FEET, A DELTA OF 02°00'51", AN ARC DISTANCE OF 200.00	FEET, AN	ND A CHORD									x x
WHICH BEARS N22°15'40"E A DISTANCE OF 199.99 FEET, TO	THE PO	DINT OF TERMINATION.					Z⁼ \			1 - x - x - x - x	λ
							1 /	µ = y = X= = 4) i		
						y	x x				
		X		000					8		
S EXISTING WL'Y	P.O R.O.W. LII			/= . + å	DELTA=02°0)'51"			ů,		
CEN 1/4 SEC 28,T8S,R8				346	RADIUS=568	9.58'	POINT OF TERMINATION		45		· · · · · · · · · · · · · · · · · · ·
DEARS 545-47 2	5"W 1097. #600-#20		8	\w 5	ARC=200.00' -C.B.=N22°15'	40"E	- WI'Y FXISTING B.O	D.W. LINE	1.7		
		500	1 0	603	C.L.=199.99'		604 POC	H: 119	100		S.H. 24
		N23°16'06"E 339.80	1 12 1			- 777	CENTERLINE				
		9		-			P.R.A. PROJECT	36-E	_ +-8	ARC=721.68' (M) 721.7' (R)	
		. 339.80' (M&R) N23°16'06"E	71								
1000'00' (R&M) 8		N23°16'06"E							- DH II		\$14.24 CM-MP 168.85 N 890569.60
DELTA=21°39'00' (R&M) 8 S.H. 24 S.H. 24		ļ		_			10 4 Uff				E 1453255.42
ARU	(N) YY	N23°16'06"E 339.80'	1/2	* / / A			605 POC POINT OF			8	EL 9991.76
		\(\tau_{-1}\)	1	(602)	DELTA=01°59 RADIUS=5769					64	1//
- M M M M M M M -	.27	P.O.B. EXISTING EL'Y R.O.W. LINE			ARC=200.00'		TERMINATION EL'Y EXISTING R.C	D.W. LINE		94	2006
	6	CEN 1/4 SEC 28,T8S,R80W,6TH P.M.	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	\	C,B,=N22°16'; C,L,=199.99'	91"E				m	EAST 1/16 CORNER
	336	BEARS \$49°32'21"W 1130.27'		4	\			متسمنا			SECTIONS 21 & 28
	F	(#601-#2023)									T8S R80W 6TH P.M.
	ш.						1				
EVICTING EACTEDLY DIGUT OF WAY I INC DECORIDION.				THE REAL PROPERTY OF THE PERSON OF THE PERSO			The state of the s				
EXISTING EASTERLY RIGHT OF WAY LINE DESCRIPTION:				RADU NEGIS							
AN EXISTING RIGHT OF WAY LINE LYING IN THE W ½ OF THE	NE ¼, O	F		S A S A S A S A S A S A S A S A S A S A					201		
SECTION 28, T8S, R80W, OF THE 6TH P.M., LAKE COUNTY, CO MORE PARTICULARLY DESCRIBED AS FOLLOWS:	DLORAD	O, BEING		11012 35 E				5231	93 60291		
MORE PARTICULARLY DESCRIBED AS FOLLOWS:			置沒	超,235年是電				~02'35"E PT#			
COMMENCING AT THE CENTER QUARTER OF SAID SECTION				Ales FTYYMINE			50	1# 2006	厚 幻	/2 NE 1/4	
THENCE N49°32'21"E A DISTANCE OF 1130.27 FEET, TO A POI LINE OF THE EXISTING STATE HIGHWAY 24 RIGHT OF WAY (J				15			- (F	•			
TRUE POINT OF BEGINNING;	ONE ES	2,, 52,114	,	MALLAND					SE(TION 28	
THENCE THE FOUL OWING TWO (O) COURSES ALONG SAID EA	OTEDIA	A DICUT OF WAY LINE.		A SAME WALLE AND A SECOND AND A SECOND ASSESSMENT OF THE PROPERTY OF THE PROPE					T 8 9	S, R 80 W,	
THENCE THE FOLLOWING TWO (2) COURSES ALONG SAID E/ 1) N23°16'06"E A DISTANCE OF 339.80 FEET TO A POINT OF C	URVATU	RE:								74 P.M.	
2) THENCE ALONG A CURVE TO THE LEFT, HAVING A RADIUS	OF 5769	9.58							01		1
FEET, A DELTA OF 01°59'10", AN ARC DISTANCE OF 200.00 FE WHICH BEARS N22°16'31"E A DISTANCE OF 199.99 FEET, TO				✓							M
										~	
		EAST 1/16 CORNER									
		SECTIONS 28 & 33 T8S R80W 6TH P.M. 2020	N -								100° 200° = 100°
		165 NOUN BIR P.M. 2029	11							1"	- 100