SECTION CORNER QUARTER AND SIXTEENTH

NDAA MARKER

1

TEMPORARY

EASEMENT POINT

WC

SECONDARY CONTROL

PERMANENT, PROPERTY, SLOPE, & UTILITY EASEMENT LINE (PROPOSED AND EXISTING)

MONUMENT

WITNESS CORNER

N 10.13 E 3.81 EL 0.00

DENSIFICATION

CONTROL MONUMENT

TEMPORARY EASEMENT LINE (PROPOSED AND EXISTING)

PROPERTY BOUNDARY LINE (PROPOSED AND EXISTING)

BARRIER ACCESS CONTROL LINE (PROPOSED AND EXISTING)

VIRGIN RIGHT OF WAY LINE (PROPOSED AND EXISTING)

SURVEY/ROW

TERRAIN

ACCESS CONTROL LINE (PROPOSED AND EXISTING) ---

RIGHT OF WAY LINE (PROPOSED AND EXISTING)

905 Erie Avenue Pueblo, CO 81002 Phone: 719-546-5496

 Λ

PROPERTY PIN

SET FASEMENT

BLM MARKER

FEDERAL MONUMENT

LOCAL OR PLSS

PROJECT CONTROL

COUNTY LINE

SECTION LINE

STATE LINE

TOE OF FILL

TOWNSHIP LINE

QUARTER SECTION LINE

SIXTEENTH SECTION LINE

FAX: 719-546-5414 JPE

RIGHT OF WAY

0

QUARTER AND SIXTEENTH

SECTION CORNERS

(TOPO POINT)

USGS

USGS MARKER

RIGHT OF WAY

N 10.38 E 3.81 EL 0.00

HIGH ACCURACY REFERENCE

	Sheet Revisions			Sheet Revisions			Sheet Revisions	
Date	Description	Initials	Date	Description	Initials	Date	Description	Initials
mm/dd/yy	XXXXXXX	XXX	mm/dd/yy	XXXXXXX	XXX	mm/dd/yy	XXXXXXX	XXX
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	Right o	f Way Pl	ans
	Titl	e Sheet	
Project Nu	ımber: FBR 069/	4-030	
Project Lo	cation: SH 69 I	North of Gard	iner
	Mile Pos	t 28.6	
roject Code:	Last Mod. Date	Subset	Sheet No.
19055	4-23-13	1 of 6	1

DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

> RIGHT OF WAY PLANS OF PROPOSED PROJECT NO. FBR 069A-030 STATE HIGHWAY NO. 69 **HUERFANO COUNTY**

Begin ROW Project Station: 19+79.1 M.P.: 28.52 End Const Project Station: 34+70.3 M.P.: 28.81 Begin Const Project Station: 16+13.4 M.P.: 28.45 End ROW Project Station: 30+25.9 M.P.: 28.73 0.5.km

PROJECT LOCATION MAP

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

except as noted with the word (proposed).

2006. Existing topo features are shown as screened weight (gray scale). Proposed or new features are shown as full weight without screening,

SHEET NO. INDEX OF SHEETS

> (1) Title Sheet

Plan Sheet/Ownership Sheet/Tab Sheet

3a-3b Project Control Diagram

Land Survey Control Diagram

Monumentation Sheets

(6) Total Sheets

Scales of Original 11"x17" Drawings Plan Sheets 1"=100" Ownership Map 1"=1000"

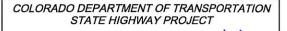
Basis of Bearings: Bearings used in the calculations of coordinates are based on a grid bearing of S64°57'25"E from CM 2847-MP 28.47 to CM 2790-MP 27.90. Both monuments are CDDT Type II, marked appropriately for their milepost location and control position. The survey data was obtained from a Global 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 purposes only.

2. For title information, The Colorado Department of Transportation relied on Title Commitments prepared by First American Title for Dotter Abstract Co.

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 CDDT 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.



5/6/13

ROW PLANS AUTHORIZED:

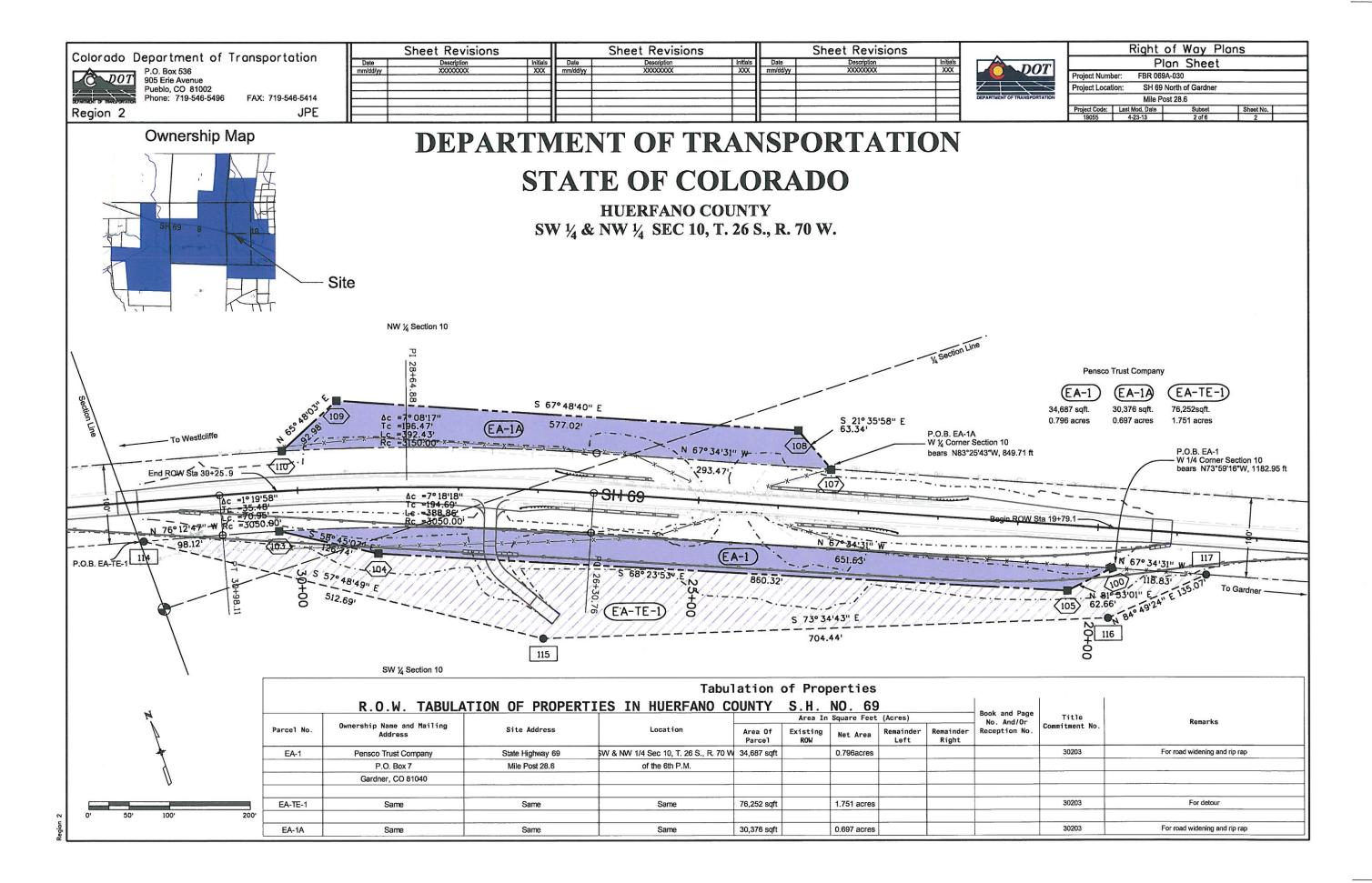
CDDT RIGHT OF WAY MANAGE

SURVEYOR STATEMENT (ROW PLAN)

I. <u>leffry Fickelman</u>, <u>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</u> 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. 29034

ROWP



A L 94 Located at MP 32.98

Region 2

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Date mm/dd/yy

Sheet Revisions



Sheet Revisions

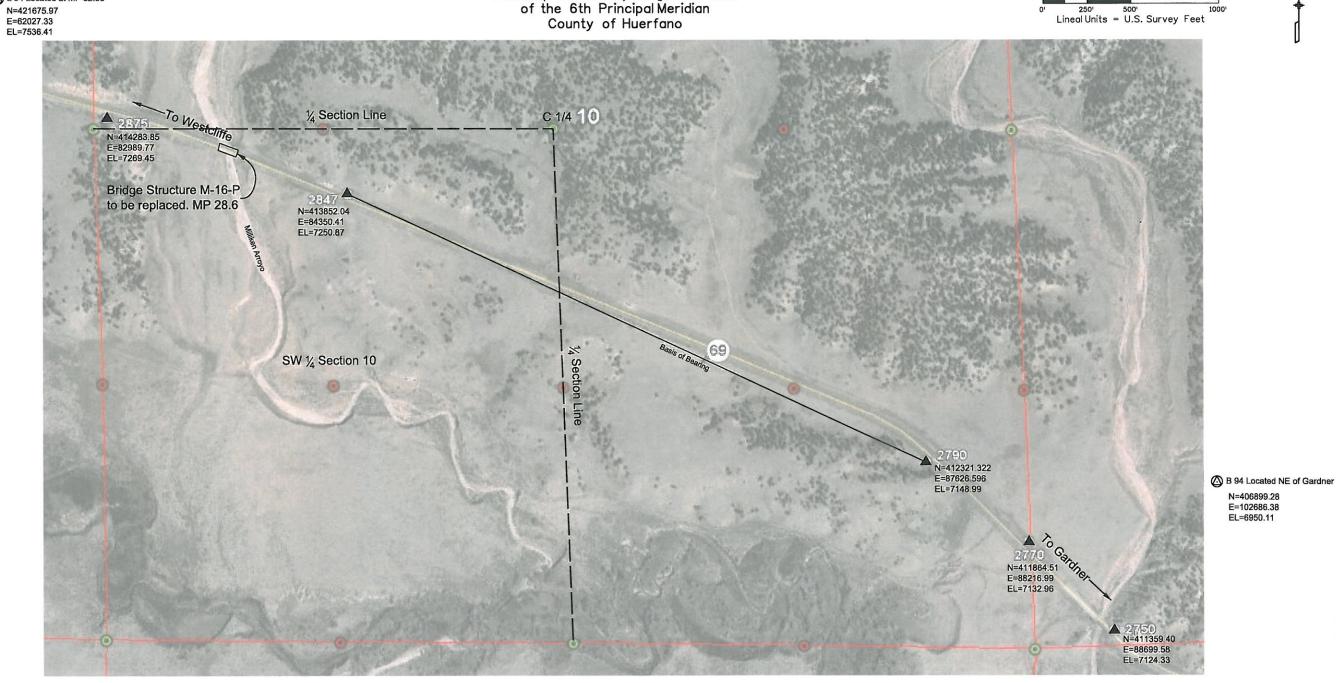
	Project C	ontrol Did	agram
	Pla	n Sheet	
Project Nu	mber: FBR 069/	4-030	
Project Lo	cation: SH 69 t	North of Gard	ner
	Mile Pos	t 28.6	
Project Code:	Last Mod. Date	Subset	Sheet No.

State Highway 69 MP 27.50 to 28.75 Section 10

Township 26 South, Range 70 West of the 6th Principal Meridian County of Huerfano

Sheet Revisions





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Region 2

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Date	Description	Initials	Date	Description	Initials		
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Sheet Revisions



Sheet Revisions

Project Control Diagram Coordinate Tables Project Number: FBR 069A-030 Project Location: SH 69 North of Gardner Mile Post 28.6





	CHARN GEODETIC COORDINATE SUMMARY TABLE									
D. 1. 4. W.	Geodetic Coordinates NAD-83(XX) (CHARN)		Elip Height Ortho Height		Grid Scale Factor	NAD 83 Zone 0503		Description		
Point No.	Latitude (N)	Longi tude (W)	(NAVD88) (ft)	(ft)	Grid Scale Factor	SP Northing(ft)	SP Easting(ft)	peser (peren		
B 94	N37°46'55.54119"	W105°08'56.23033"	6897.144	6950.111	1.000398037	1406339.50	3101451.88	NGS Monument		
L 94	N37°49'22.78168"	W105°17'22.09498"	7485.071	7536.412	1.000398037	1421110.31	3060809.02	NGS Monument		
	=	= =								

Sheet Revisions





	GEODETIC COORDINATE TABLE								
D-2-4 N-	Geodetic Coordinates NAD-83(XX) (CHARN)		Elip Height	Ortho Height	Grid Scale Factor	NAD 83 (XX	Zone 0503	Description	
Point No.	Latitude(N)	Longitude (W)	(NAVD88) (ft)	(ft)	GITO SCATE PACEO	SP Northing(ft)	SP Easting(ft)	Description	
2750	N37°47'40.10266"	W105°11'50.21097"	7071.887	7124.325	1.000398037	1410797.845	3087470.652	CDOT TYPE II MONUMENT	
2770	N37°47'45.10997"	W105°11'56.20080"	7080.549	7132.959	1.000398037	1411302.762	3086988.254	CDOT TYPE II MONUMENT	
2790	N37°47'49.64319"	W105°12'03.53543"	7096.610	7148.990	1.000398037	1411759.390	3086398.094	CDOT TYPE II MONUMENT	
2847	N37°48'04.87237"	W105°12'44.27937"	7198.621	7250.867	1.000398037	1413289.496	3083123.212	CDOT TYPE II MONUMENT	
2875	N37°48'09.18086"	W105°13'01.20995"	7217.254	7269.450	1.000398037	1413721.134	3081763.109	CDOT TYPE II MONUMENT	





D-4-4 N-	Project Co	oordinates	Elev(ft)	Description
Point No.	Northing (ft)	Easting(ft)	(NAVD88)	Description
2750	411359.40	88699.58	7124.33	CDOT Type II Monument
2770	411864.51	88216.99	7132.96	CDOT Type II Monument
2790	412321.32	87626.60	7148.99	CDOT Type II Monument
2847	413852.04	84350.41	7250.87	CDOT Type II Monument
2875	414283.85	82989.77	7269.45	CDOT Type II Monument
B 94	406899.28	102686.38	6950.11	NGS MONUMENT
L 94	421675.97	62027.33	7536.41	NGS MONUMENT
- 1				
1				12



Typical Control Monument Cap Not to Scale Basis of Bearings: Bearings used in the calculations of coordinates are based on a grid bearing of S64° 57′25″E from CM2847-MP28.47 to CM2790-MP 27.90. Both monuments are CDOT Type II, marked appropriately for their milepost location and control position. The survey data was obtained from a Global Positioning System (GPS) survey base on the Colorado High Accuracy Reference Network (CHARN).

Basis of Elevations: Project elevations are based on Bench Mark B 94 1935, PID: HK0176, standard bench mark disk set on top of a concrete monument, with a NAVD 88 elevation of 6950.11 ft. B 94 is a second order benchmark.

CODRDINATE DATUM: Project coordinates are modified Colorado State Plane South Zone NAD '83 coordinates. The combined elevation/scale factor used to modify the coordinates from state plane to project coordinates is 1.000398037. The resulting project coordinates are truncated by 1,000,000ft in the Northing and 3,000,000ft in the Easting after converting from state plane coordinates to project coordinates. The CHARN is based on the NAD '83 datum.

Project Coordinates Northing US Survey Feet = (State Plane Coordinate Northing * 1.000398037 - 1.000,000).

Project Coordinates Easting US Survey Feet = (State Plane Coordinate Easting * 1.000398037 - 3.000.000).

General Notes:

- This Project Control Diagram 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 may not be the most current set. It is the user's responsibility to verify with CDDT 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.
- 3. 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.

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, leffry Fickelman , 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. 29034

DOT Region 2

P.D. Box 536 905 Erie Avenue Pueblo, CD 81002 Phone: 719-546-5496 FAX: 719-546-5414

	Sheet Revisions			Sheet Revisions		S	heet Revisions	
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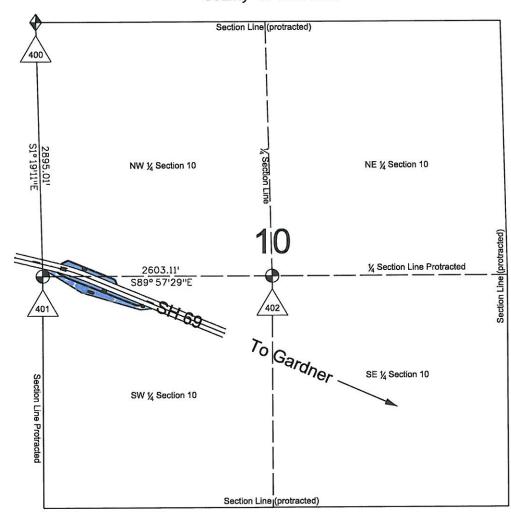


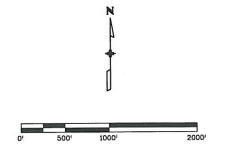
1	Land Survey Control Diagram									
		Plan Sheet								
	Project Number: FBR 069A-030									
	Project Lo	Project Location: SH 69 North of Gardner								
N		Mile Po	st 28.6							
	Project Code:	Last Mod. Date	Subset	Sheet No.	an local					
	19055	4-25-13	4.XX of 4.XX	RW 4.XX						

DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

LAND SURVEY CONTROL DIAGRAM

State Highway 69 MP 27.50 to 28.75 Section 10 Township 26 South, Range 70 West of the 6th Principal Meridian County of Huerfano





-	FOUND ALIQUOT MONUMENT COORDINATE TABLE							
Point No.	Northing(ft)	Easting(ft)	Description					
400	417099.90	82861.84	2" pipe with 2 1/2" brass cap, GLO					
491	414205.66	82928.52	1/2" rebar with 2" aluminum cap, LS19883					
492	414203.75	85531.63	3/4" rebar with 3 1/4" alum cap,LS19883					

NDTICE: 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.

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.

SURVEYOR STATEMENT (LAND SURVEY CONTROL DIAGRAM)

I. leftry Fickelman__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. 29034

		*
SECTION CORNER	QUARTER, SIXTEENTH, AND SECTION CORNERS	To Westcliffe

General Notes:

- 1. This Land Survey Control Diagram supersedes the Preliminary Land Survey Control Diagram filed with the (Name of County) County Clerk and Recorders Office on (date) at (reception /bk & pa.)
- 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 CDDT 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.

C DOT

Region 2

P.O. Box 536 905 Erie Avenue Pueblo, CO 81002 Phone: 719-546-5496

FAX: 719-546-5414

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Date mm/dd/yy	Description XXXXXXXX	Initials XXX	Date mm/dd/yy	Description XXXXXXXXX	Initials XXX	Date mm/dd/yy	Description XXXXXXXX	Initia XXX



	Right o	f Way Pl	ans	
	Monumer	itation S	heet	
Project Numb	er: FBR 069A-	030		
Project Locat	ion: SH 69 No	rth of Gardner		
	Mile Post	28.6		120
Project Code:	Last Mod. Date	Subset	Sheet No.	
19055	4-23-13	5 of 6	5	

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TABULATION OF R.O.W. MONUMENTS TO BE SET							
Point No.	Northing(ft)	Easting(ft)	Description	Station	Offset		
100	413879.35	84065.57	CDOT Type I Monument	61+83.6	50.0ft		
103	414252.98	83095.29	CDOT Type I Monument	72+34.0	59.0ft		
104	414187.23	83203.65	CDOT Type I Monument	71+06.8	83.9ft		
105	413870.50	84003.54	CDOT Type I Monument	62+38.5	82.4ft		
107	414107.81	83772.06	CDOT Type I Monument	65+43.6	50.0ft		
108	414167.31	83749.32	CDOT Type I Monument	65+86.9	94.7ft		
109	414385.23	83215.04	CDOT Type I Monument	71+52.8	108.9ft		
110	414347.11	83130.23	CDOT Type I Monument	72+21.5	50.0ft		

1)	
_	_		-

Point No.	Northing (ft)	Easting(ft)	Description	Station	Offset
		82931.30			
114	414294.07				
115	414020.98	83365.20			
116	413821.83	84040.90			
117	413834.02	84175.42			

QUANTITY OF MONUMENTS TO BE SET

CAP	MONUMENT TYPE									
TYPE	1	1A	2	2A	3	<i>3A</i>	4	5	5(S)	6
REFERENCE										
ROW	8									
CONTROL								out.		
ALIQUOT CORNER										
PERMANENT EASEMENT										
PROJECT POINTS										
WITNESS POST (REQUIRED)										

General Notes:

- 1. All centerline and offset stationing may not represent the centerline as constructed in the field.
- 2. 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 survey monument descriptions.
- 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 CDDT 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.

CODRDINATE DATUM: Project coordinates are modified Colorado State Plane South Zone NAD '83 coordinates. The combined elevation/scale factor used to modify the coordinates from state plane to project coordinates is 1.000398037. The resulting project coordinates are truncated by 1,000,000ft in the Northing and 3,000,000ft in the Easting after converting from state plane coordinates to project coordinates. The CHARN is based on the NAD '83 datum.

Project Coordinates Northing US Survey Feet = (State Plane Coordinate Northing

- * 1.000398037 1,000,000).
- Project Coordinates Easting US Survey Feet = (State Plane Coordinate Easting
- * 1.000398037 3,000,000).

NOTICE: According to Colorado law you must commence any legalaction 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 (R.O.W. MONUMENTS)

I, leffry Fickelman, 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 survey evidence were performed and the 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 or warranty, either expressed or implied.

PLS No. 29034

