



DOCUMENT SEPARATOR SHEET

REGION 5 – JUNE 2017 CONVERSION

To be placed at the beginning of each separator sheet.



r500001941

Description:

ROW Plans 11X17

Route # and Mile Points:

US 160

Originating Office:

ROW/Survey

File Name:

NH160A-019_ROW(.PDF)

Box Location:

31 of 38



DAY OF OF THE (

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Colorado	Department	of	Transportation
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1

TEMPORARY

EASEMENT POINT

WC.

SECONDARY CONTROL

MONUMENT

SURVEY/ROW

TERRAIN

WITNESS CORNER

⊗_{N 10.13} E 3.81 EL 0.00

DENSIFICATION CONTROL MONUMENT

PERMANENT, PROPERTY, SLOPE, & UTILITY EASEMENT LINE

PROPERTY BOUNDARY LINE (EXISTING AND PROPOSED)

TEMPORARY EASEMENT LINE (EXISTING)

NOAA MARKER

1

SECTION CORNER

(1)

SET EASEMENT

MONUMENT

FED

FEDERAL MONUMENT

LOCAL OR PLSS

MONUMENT

PROJECT CONTROL

ACCESS CONTROL LINE -111-

RIGHT OF WAY LINE

BARRIER ACCESS CONTROL LINE

CITY LIMIT LINE (EXISTING)

COUNTY LINE (EXISTING)

QUARTER SECTION LINE

SIXTEENTH SECTION LINE STATE LINE (EXISTING) TOWNSHIP LINE (EXISTING)

SECTION LINE

VIRGIN RIGHT OF WAY LINE (PROPOSED)

N 9.88 E 3.81 EL 0.00

BLM MARKER



3803 North Main Avenue Durango, CD 81301 Phone: 970-385-1400 FAX: 970-385-1410

QUARTER, SIXTEENTH,

AND SECTION CORNERS

(1)

MARKER

RIGHT OF WAY

QUARTER, SIXTEENTH,

AND SECTION CORNERS

 \Box

ROW

RIGHT OF WAY

HIGH ACCURACY REFERENCE

NETWORK CONTROL MONUMENT

MARKER

BENCH MARK USGS MARKER

Region 5

Sheet Revisions			Sheet Revisions Sheet Revision			heet Revisions	isions	
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Right of Way Plans Title Sheet Project Number: NH 160A-019 Project Location: 8th St. Signal Install in Pagosa Springs

DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

RIGHT OF WAY PLANS OF

FEDERAL AID PROJECT NO. NH 160A-019

BEING A DEPENDENT RESURVEY OF THE ORIGINAL RIGHT OF WAY LINES ESTABLISHED BY PROJECT NO. C 48-0010-26 and A.W. PROJECT NO. 3001-A

U.S. HIGHWAY NO. 160

Archuleta COUNTY

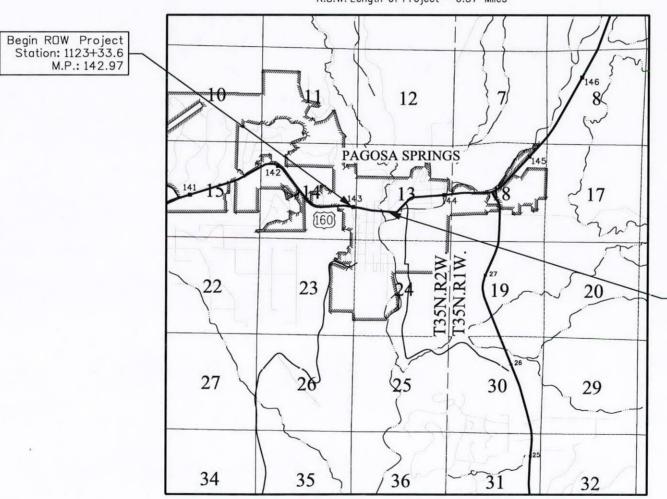
in Section 13, T. 35 N., R 2 W. of the N.M.P.M.

R.D.W. Length of Project = 0.37 Miles

PROJECT LOCATION MAP

1" = 1 MILE

Lineal Units = U.S. Survey Feet



SHEET NO. INDEX OF SHEETS

1.01 (1) Title Sheet 2.01-2.0X 3.01-3.02

4.01-4.03

7.01-7.03

8.01-8.0X

(NA) Tabulation of Properties (2) Project Control Diagram Land Survey Control Diagram

5.01-5.0X Monumentation Sheets (NA) Tabulation of Road Approach Sheets 6.01-6.0X

(3) Plan Sheets (NA) Ownership Map

(10) Total Sheets Scales of Driginal IIx17 Drawings Plan Sheets 1"=50"

Land Survey Control Diagram Plan Sheet 1"=200' Project Control Diagram Plan Sheet 1"=200"

Basis of Bearings: Bearings used in the calculations of coordinates are based on a state plane grid bearing of S88° 50'42"E from CM-MP 14302 to CM-MP 14312. Both monuments are C.D.O.T. Type II, marked appropriately for their milepost location and control positions. The survey data was obtained by traverse using conventional survey methods based on control formerly set by Woolpert Inc. in July 2011 on Project Number FSA 1602-132.

- 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 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

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 (ROW PLAN)

I, Todd C. Johnston, 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.

End ROW Project

M.P.: 143.34

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.

Region 5

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	Sheet Revisions		5	Sheet Revisions		S	heet Revisions	
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Project Control Diagram Title Sheet Project Number: NH 160A-019 Project Location: 8th St. Signal Install in Pagosa Springs

DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

SHEET NO.

INDEX OF SHEETS

3.01-3.02 3.02-3.02

(1) Title Sheet (1) Plan Sheet

(2) Total Sheets

1 1QUARTER, SIXTEENTH, SECTION CORNER AND SECTION CORNERS 1 (1) 1 SET EASEMENT TEMPORARY RIGHT OF WAY O QUARTER, SIXTEENTH. NOAA MARKER AND SECTION CORNERS PROPERTY PIN BLM MARKER USGS FED WC FEDERAL MONUMENT WITNESS CORNER BENCH MARK USGS MARKER ROW SECONDARY CONTROL LOCAL OR PLSS RIGHT OF WAY MONUMENT MARKER ▲ N 9.88 E 3.81 EL 0.00 ON 10.13 E 3.81 EL 0.00 PROJECT CONTROL DENSIFICATION HIGH ACCURACY REFERENCE

Note: For a complete listing of symbololgy 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.

Townshi	p 35 North, Range 2 West
of the N	lew Mexico Principal Meridian
	County of Archuleta

PROJECT CONTROL DIAGRAM

State Highway 160 MP 142.90 to 143.26

	PROJECT COORDINATE TABLE							
Daina Na	Project Co	oordinates	Elev(ft)	Mil- D				
Point No.	Northing(ft)	Easting(ft)	(NAVD88)	Mile Post				
14290	566541.500	1245927.370	7157.590	142.90				
14302	566312.197	1246703.048	7122.240	143.02				
14312	566300.113	1247302.462	7098.610	143.12				
14322	566102.965	1247871.754	7077.090	143.22				
100	566217.245	1248084.082	7077.970	143.26				

Basis of Bearings: Bearings used in the calculations of coordinates are based on a grid bearing of S88° 50'42"E from CM-MP 14302 to CM-MP 14312. Both monuments are CDOT Type II, marked appropriately for their milepost location and control position. The survey data was obtained by traverse using conventional survey methods based on control formerly set by Woolpert Inc. in July 2011 on Project Number FSA 1602-132.

Basis of Elevations: Project elevations were established by differential leveling from CM-MP 4280, established on Project FSA 1602-132. CM-MP 4280, is a standard Type II C.D.O.T. monument, with a NAVD 88 elevation of 7171.84 ft...

General Notes:

- 1. 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 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.
- 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, Todd C. Johnston, 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. 37932



Typical Control Monument Cap Not to Scale

CM-MP - Control Point Monuments set by CDOT. All monuments (except 14322 and 100) are CDOT Type 2 monuments, with a $3^{1}/4^{11}$ dia. aluminum control monument cap (as shown) on a $3' \times \frac{3}{4}$ " dia. aluminum security rod on a $3' \times \frac{3}{4}$ " dia. smooth aluminum rod. Points 14322 and 100 are PK nails set flush with parking lot.

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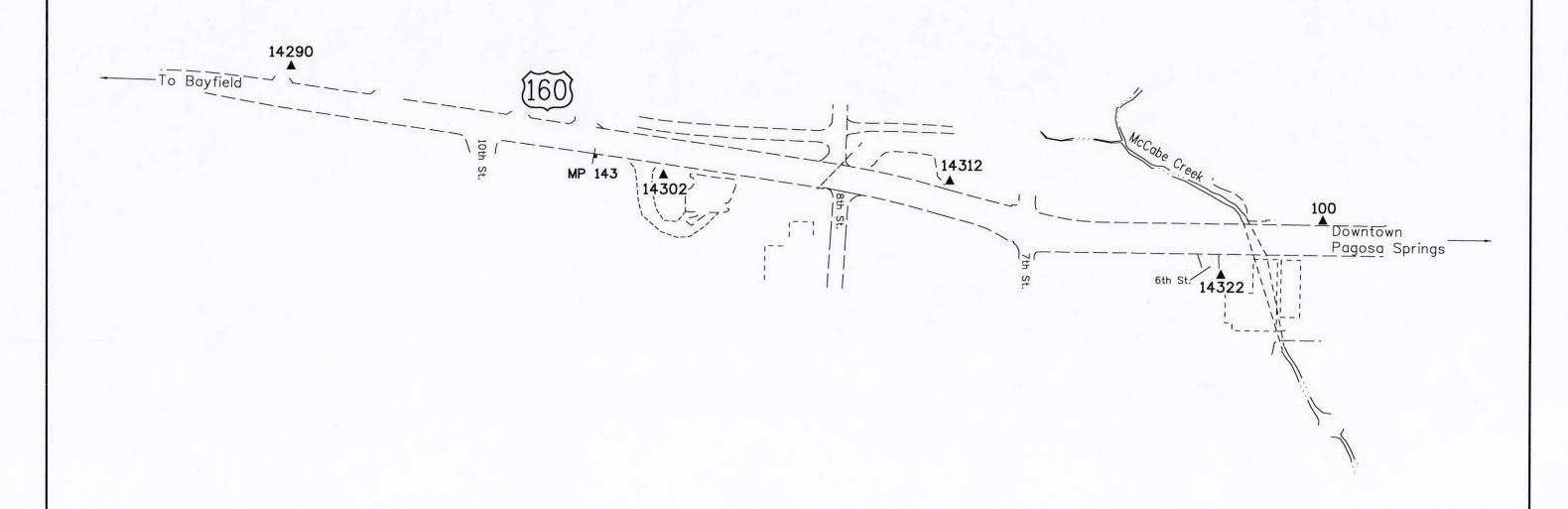
Project Control Diagram
Plan Sheet
Project Number: NH 160A-019
Project Location: 8th St. Signal Install in Pagosa Springs
Project Code: Last Mod. Date Subset Sheet No.

PROJECT CONTROL DIAGRAM

T. 35 N., R. 2 W., N.M.P.M., ARCHULETA COUNTY

U.S. HIGHWAY 160

Mile Post 142.90 to Mile Post 143.26



SCALE: 1" = 200' Lineal Units = U.S. Survey Feet



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	TCJ

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La	nd Surve	y Controll	Diagram
	Tit	le Sheet	
oject Nu	mber: NH 160	A-019	
oject Lo	cation: 8th St	. Signal Install in I	Pagosa Springs
ject Code:	Last Mod. Date	Subset	Sheet No.
18278	03-19-12	4.01 of 4.03	4.01

INDEX OF SHEETS

Monument Coordinate Tables

Title Sheet

Plan Sheet (3) Total Sheets

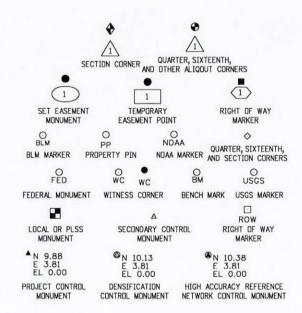
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DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

LAND SURVEY CONTROL DIAGRAM

State Highway 160 MP 142.97 to 143.34 Section 13 Township 35 North, Range 2 West of the New Mexico Principal Meridian County of Archuleta



General Notes:

- 1. This Land Survey Control Diagram is not a boundary survey of the adjoining properties 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 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.
- 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.
- 4. All Coordinates listed are PROJECT COORDINATES only. Coordinates are carried out to two decimal places for calculations purposes and do not represent survey precision. Survey precision meets C.D.D.T. "B" order precision.

Basis of Bearings: Bearings used in the calculations of coordinates are based on a state plane grid bearing of S88° 50'42"E from CM-MP 14302 to CM-MP 14312. Both monuments are C.D.O.T. Type II, marked appropriately for their milepst location and control positions. The survey data was obtained by traverse using conventional survey methods based on control formerly set by Woolpert Inc. in July 2011 on Project Number FSA 1602-132.

SHEET NO.

4.01-4.03

4.02-4.03

4.03-4.03

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.

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)

I, Todd C. Johnston, 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. 37932



Region 5

Colorado Department of Transportation

3803 North Main Avenue
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Durango, CO 81301
Phone: 970-385-1400 FAX: 970-385-1410 TCJ

Sheet Revisions			S	heet Revisions		Sheet Revisions		
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Land Survey Control Diagram Monument Coordinate Tables
Project Number: NH 160A-019 Project Location: 8th St. Signal Install in Pagosa Springs

PP

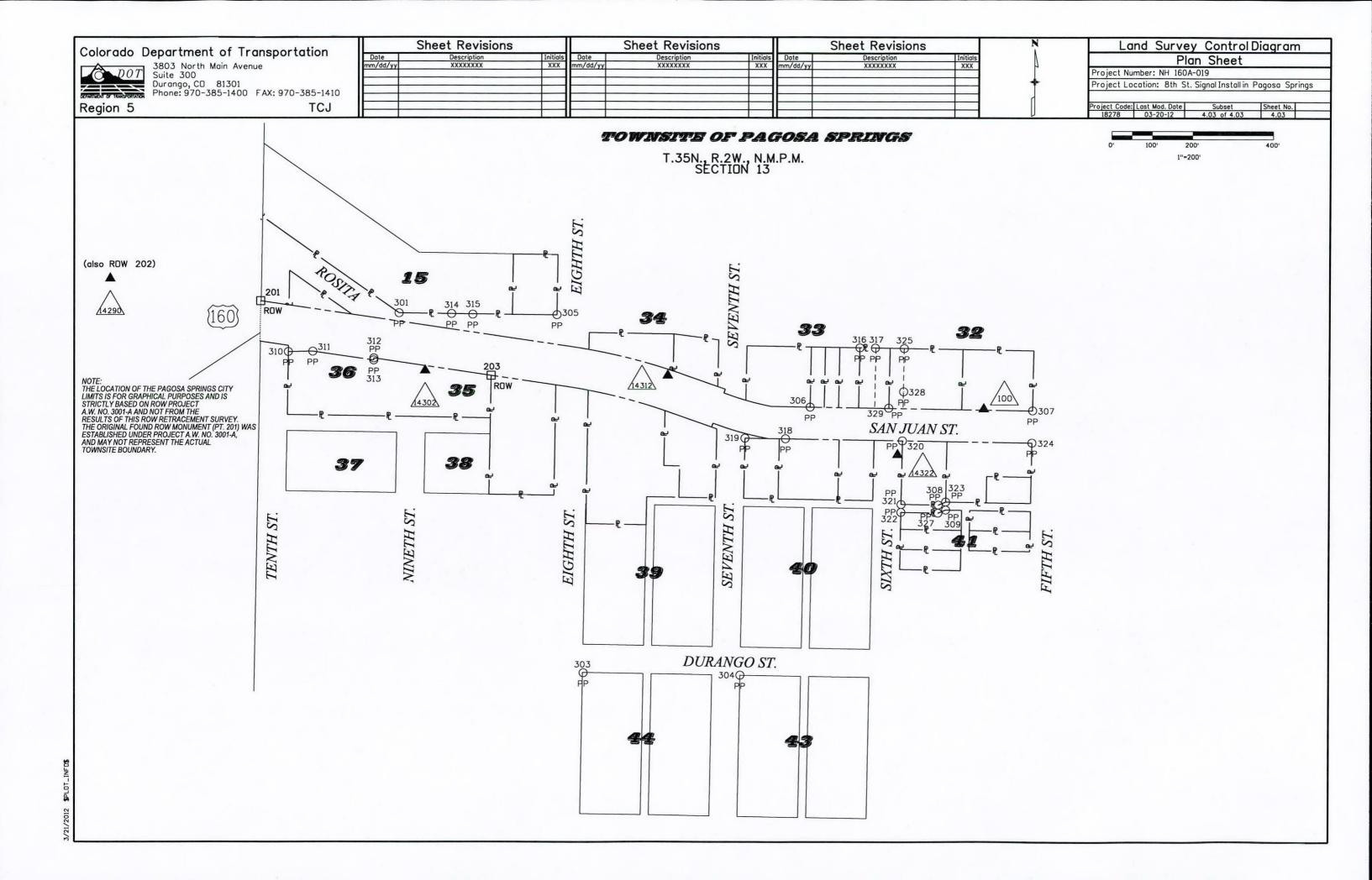
	FOUND BOUNDARY MONUMENT COORDINATE TABLE (Controlling)								
Point No.	Northing(ft)	Easting(ft)	Description						
310	566359.37	1246366.71	1" PLASTIC CAP ON 1/2" REBAR STAMPED DAVIS ENG LS 26973, flush with ground						
311	566360.36	1246427.15	1" PLASTIC CAP ON 1/2" REBAR STAMPED DAVIS ENG LS 26973, projected 0.2' above ground						
312	566343.32	1246576.93	1" PLASTIC CAP ON 1/2" REBAR STAMPED DAVIS ENG LS 26973, flush with ground						
313	566338.22	1246576.77	1" PLASTIC CAP ON 1/2" REBAR STAMPED DAVIS ENG LS 26973, flush with ground						
319	566144.29	1247493.51	1" PLASTIC CAP STAMPED DAVIS ENG LS 23894, flush with ground						
320	566137.86	1247883.68	1.5" ALUMINUM CAP (STAMPING NOT LEGIBLE), flush with asphalt						
324	566132.70	1248203.41	5/8" REBAR (BENT) NEAR OLD CONCRETE LIGHT POLE BASE, 0.3' above ground						

PP

	FOUND BOUNDARY MONUMENT COORDINATE TABLE (Non-Controlling)							
Point No.	o. Northing(ft) Easting(ft)		Description					
301	566455.96	1246638.74	0.4' X 0.7' SQUARE STONE WITH CHISELED "X" ON TOP AND CHISELED "15" ON SOUTH FACE (ORIGINAL BLOCK 15 CORNER), projected 0.5' above ground					
303	565560.07	1247095.68	0.5' X 0.5' SQUARE STONE WITH CHISELED "X" ON TOP (ORIGINAL NW CORNER OF BLOCK 44), projected 0.5' above ground					
304	565554.45	1247483.88	0.5' X 0.5' SQUARE STONE WITH CHISELED "X" ON TOP (ORIGINAL NW CORNER OF BLOCK 43), projected 0.5' above ground					
305	566451.09	1247028.18	3.25" ALUMINUM CAP ON 2" PIPE, STAMPED JEFF REED LS 20691 1987, projected 0.2' above ground					
306	566221.80	1247654.31	3" DIA. METAL AXLE, 0.6' below ground					
307	566213.11	1248204.98	FAINT CHISELED "X" IN CONCRETE SIDEWALK					
308	565978.22	1247972.73	3/4" REBAR FLUSH WITH ASPHALT					
309	565965.94	1247991.30	2" ALUMINUM CAP FLUSH WITH ASPHALT STAMPED PINNACLE SURVEYING PLS 34996					
314	566454.24	1246768.17	1/2" REBAR, projected 1.2' above ground					
315	566452.60	1246820.54	5/8" REBAR, projected 1.0' above ground					
316	566369.48	1247777.35	1.5" ALUMINUM CAP ON 5/8" REBAR STAMPED LS 31926, 0.3' above ground					
317	566368.80	1247815.91	3/4" METAL ROD, LYING ON THE SIDE, 1.0' below ground					
318	566142.85	1247593.80	1" BRASS WASHER IN CONCRETE DRIVE STAMPED LS 23894					
321	565979.47	1247881.14	2" ALUMINUM CAP STAMPED PINNACLE SURVEYING PLS 34996, flush with asphalt					
322	565959.79	1247880.69	3/4" REBAR FLUSH WITH ASPHALT					
323	565985.74	1247991.25	2" ALUMINUM CAP STAMPED PINNACLE SURVEYING PLS 34996, flush with asphalt					
325	566367.72	1247887.27	1" PLASTIC CAP ON 1/2" REBAR STAMPED LS 1897?, 0.3' above ground					
327	565958.20	1247972.13	1.5" ALUMINUM CAP STAMPED LS 29470, flush with asphalt					
328	566260.20	1247886.05	1/2" REBAR (North edge of drainage channel), 0.5' above ground					
329	566219.23	1247849.50	1.5" ALUMINUM CAP (STAMPING NOT LEGIBLE), flush with ground					



	FOUND R.O.W. MONUMENT COORDINATE TABLE								
Point No.	Northing(ft)	Easting(ft)	Description						
201	566486.14	1246298.11	3" BRASS CAP IN CONCRETE POST, STAMPED COLO DIV HWYS						
202	566420.98	1245347.99	3" BRASS CAP IN CONCRETE POST, STAMPED COLO DIV HWYS (LABELED Project Control Point number 14290						
203	566300.23	1246866.13	3.25" ALUMINUM CAP STAMPED COLO DEPT OF TRANSPORTATION ROW MARKER LS 9187						



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Region 5

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Right of Way Plans
Monumentation Sheet

Project Number: NH 160A-019

Project Location: 8th St. Signal Install in Pagosa Springs

oject Code:	Last Mod. Date	Subset	Sheet No.	
18278	04-23-12	5.01 of 5.01	5.01	



	TABULATION OF R.O.W. MONUMENTS TO BE SET										
Point No.	Northing(ft)	Easting(ft)	Description	Description	Offset						
401WC	566377.593	1247025.107	Type I CDOT Monument - PLS 37932	40' Witness Corner							
403	566302.978	1247340.398	Type I CDOT Monument - PLS 37932								
404WC	566271.155	1247430.304	Type I CDOT Monument - PLS 37932	15' Witness Corner							
405	566256.723	1247441.105	Type I CDOT Monument - PLS 37932								
406WC	566239.757	1247491.449	Type I CDOT Monument - PLS 37932	33' On Arc Witness Corner							
408	566223.230	1247558.996	Type I CDOT Monument - PLS 37932								
409	566212.687	1248204.719	Type I CDOT Monument - PLS 37932								
410WC	566375.697	1246360.647	Type I CDOT Monument - PLS 37932	65' Witness Corner							
411	566374.762	1246366.912	Type I CDOT Monument - PLS 37932								
416	566272.783	1247049.899	Type I CDOT Monument - PLS 37932								
418	566208.710	1247307.030	Type I CDOT Monument - PLS 37932								
419	566171.882	1247411.074	Type I CDOT Monument - PLS 37932								
423	566143.350	1247550.980	Type I CDOT Monument - PLS 37932								
324WC	566132.763	1248199.411	Type I CDOT Monument - PLS 37932	4' Witness Corner							

X

TABULATION OF ROW CORNERS NOT MONUMENTED										
Point No.	Northing(ft)	Easting(ft)	Description	Station	Offset					
401	566371.686	1247064.667								
404	566266.150	1247444.442								
406	566250.005	1247460.084								
410	566385.296	1246296.360								
420	566181.308	1247414.411								
421	566174.590	1247433.390								

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	14									
CONTROL										
ALIQUOT CORNER										
PERMANENT EASEMENT										
PROJECT POINTS										
							1 9			
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 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.

NOTE: Type I Monuments are 3-1/4" aluminum caps with magnet set on 3/4" X 36" aluminum finned rods.

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SURVEYOR STATEMENT (R.D.W. MONUMENTS)

I, Todd C. Johnston, 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. 37932

