

14915

Colorado Department of Transportation



3803 North Main Avenue, Suite 300
Durango, CO 81301
Phone: 970-385-1421 FAX: 970-385-1410

Region 5 Willis

Sheet Revisions			Sheet Revisions			Sheet Revisions		
Date	Description	Initials	Date	Description	Initials	Date	Description	Initials
mm/yy	XXXXXXXX	XXX	mm/yy	XXXXXXXX	XXX	mm/yy	XXXXXXXX	XXX

Right of Way Plans				
TITLE SHEET				
Project Number: NH 1602-102				
Project Location: Inter. U.S. 160 & Victoria St.				
Project Location: Alamosa				
Project Code: 14915	Last Mod. Date: 08/24/2006	Subset Sheets: 1 of 1	Sheet No.: 1	Total No. of Sheets: 9

DEPARTMENT OF TRANSPORTATION

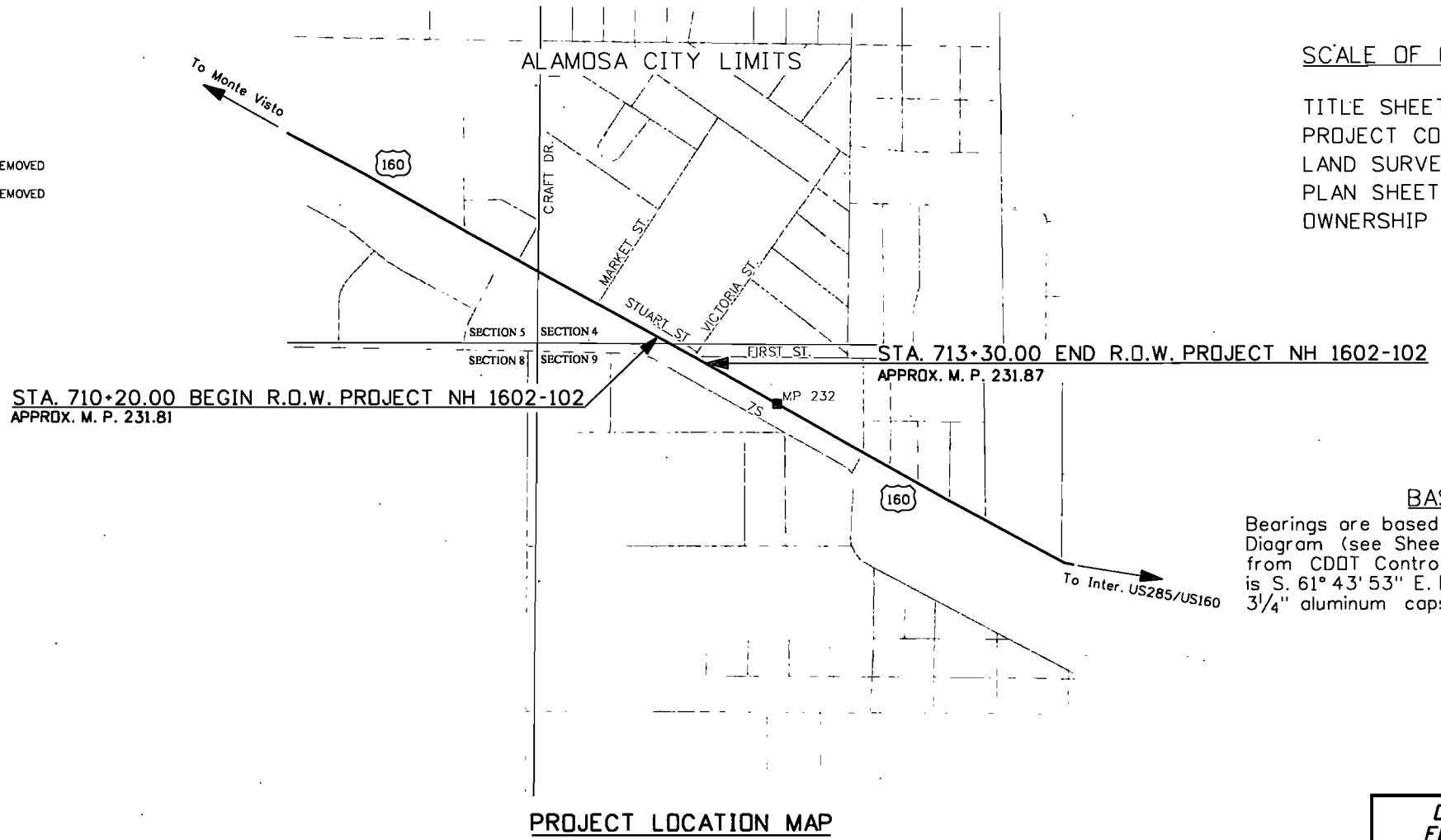
STATE OF COLORADO

RIGHT OF WAY PLAN OF PROPOSED
FEDERAL AID PROJECT NO. NH 1602-102
U.S. HIGHWAY NO. 160
ALAMOSA COUNTY
in Section 4 & Section 9, T. 37 N., R. 10 E. of the N.M.P.M.
RIGHT OF WAY PROJECT CODE NO. 14915
R.O.W. LENGTH OF PROJECT: 0.06 MILE

SHEET NO.	INDEX OF SHEETS
1	Title Sheet
2	Tobulation of Properties
3 - 3B	Project Control Diagram
3C	Land Survey Control Diagram
4	Monumentation Sheets
5	Right of Way Plan Sheets
6	Ownership Sheets

CONVENTIONAL SIGNS

COUNTY LINE
TOWNSHIP OR RANGE LINE
LAND LINES SECTION LINE 1/4 SECTION LINE 1/8 SECTION LINE
PROPERTY OR TRACT LINE
RAILROAD
EXISTING ROAD
NEW ROAD
CONTROL OF ACCESS
ACCESS DENIED BY DEED
RIGHT OF WAY LINE-EXISTING
RIGHT OF WAY LINE-PROPOSED
TOP OF CUTS
TOE OF FILLS
BARBED WIRE FENCE
CHAIN LINK FENCE
BARRIER FENCE
WOVEN WIRE-COMBINATION FENCE
SNOW FENCE
WOOD FENCE
GUARDRAIL (METAL TYPES)
TREES
TEL. & CABLE TV LINES
ELECTRIC LINES
DEADMAN OR ANCHOR ON POLE
BURIED TEL. CABLE
BURIED ELECTRIC CABLE
FIBER OPTICS CABLE
GAS MAIN
OIL MAIN
GAS METER
WATER METER
SANITARY SEWERS
STORM DRAIN
SIGNS
BENCH MARK
TRIANGULATION POINT
ROAD APPROACHES
SECTION CORNER
MINING CLAIM CORNER
CULVERTS & DRAINS
BRIDGES
WATER

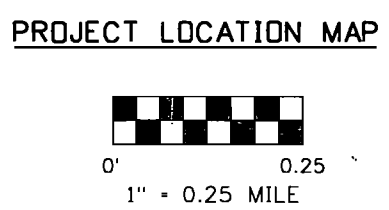


SCALE OF ORIGINAL DRAWINGS

TITLE SHEET: 1 IN. = 0.25 MILE
PROJECT CONTROL DIAGRAM: 1 IN. = 400 FT.
LAND SURVEY CONTROL DIAGRAM: 1 IN. = 200 FT.
PLAN SHEETS: 1 IN. = 30 FT.
OWNERSHIP SHEET: 1 IN. = 100 FT.

BASIS OF BEARING

Bearings are based on data provided on the Project Control Diagram (see Sheet 3). The "State Plane" grid bearing from CDOT ControlPoint 231.85 to CDOT ControlPoint 232.00 is S. 61° 43' 53" E. Both monuments are standard CDOT 3/4" aluminum caps on 3/4" finned rod.



DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

AUTHORIZED: _____ DATE: _____

DIVISION ADMINISTRATOR

Right of Way Plans				
Tabulation of Properties Sheet				
Project Number: NH 1602-102				
Project Location: Inter. U.S. 160 & Victoria St.				
Project Location: Alamosa				
Project Code:	Last Mod. Date	Subset Sheets	Sheet No.	Total No. of Sheets
14915	10/10/2006	1 of 1	2	9

U.S. NO. 160

[illegible]

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Phone: (970) 385-1400 FAX: (970) 385-1410

Right of Way Plans Unit: Willis

Sheet Revisions

mm/yy	XXXX	XXX

US HWY 160 MP 227 to MP 233
SEC. 35 & 36, T. 38 N., R. 9 E., SEC. 31 T. 38 N., R. 10 E.
SEC. 4, 5, 6, 9, & 10 T. 37 N., R. 10 E.

ALAMOSA COUNTY
STATE OF COLORADO

Right of Way Plans

Project Control Diagram

Project Number: NH 1602-102				
Project Location: Inter. U.S. 160 & Victoria St.				
Project Location: Alamosa County				
Project Code:	Last Mod. Date	Subset Sheets	Sheet No.	Total No. of Sheets
14915	06/23/2006	1 of 4	3	9

Prepared By:



MOUNTAIN SURVEYING &
MAPPING, INC.

8751 E. HAMPDEN AVE. SUITE B-
DENVER, COLORADO 80231
(303) 306-1858



Typical Control
Monument Cap
Not to Scale

GRID TO PROJECT PARAMETERS

Project number: Control established under 13973
Project identifier: Control established under NH 1602-093
Route U.S. Highway 160, from MP 227 to MP 233
Project location: Region 5 in Alamosa County, Colorado

Project Latitude 37.284401
Project Longitude 105.524056
Project Elevation 2300.4236m
Zone Colorado South
Scale Factor 0.9999645100
Combined Factor 0.9996036325
Northing Reduction 300000
Easting Reduction 800000
Units are METERS.

BASIS OF BEARINGS: All bearings are grid bearings of the Colorado State Plane Coordinate System, South Zone, North American Datum 1983. The basis of grid bearing is the line between NSRS horizontal and vertical stations P 399 and H 364. That bearing being N 54°49'30" E.

BASIS OF ELEVATIONS: Project is based on a elevation of 2300.596m on NSRS benchmark F 33, a Coast and Geodetic Survey benchmark disk set vertically in the east face of a large building. Elevations are relative to NAVD88. All other Control Points on this Project were then tied in by means of running a Bench Loop. GPS network ties were made to five other NSRS benchmarks.

COORDINATE DATUM: Coordinates on this project are for the exclusive use of the CDOT for the construction of this project and are considered Project Coordinates only.



CP - Control Point Monuments set by MSM. They were CDOT type 2 monuments, a 3-1/4" dia. aluminum control monument cap (as shown) on a 3' X 3/4" dia. finned aluminum security rod on a 3' X 3/4" dia. smooth aluminum rod, or CDOT type 5 monuments set in concrete.

NOTE: This control survey is for the use of the Colorado Department of Transportation personnel. The survey is not a complete Boundary Survey. Title Policy, Title Commitment, and Title Research were not part of this control survey, therefore, easements, rights, and restrictions of record are not shown. The verification of the physical evidence with relation to easements, rights of way, property boundaries, and restriction, as described in the instruments of record, were not included in this control survey.

NOTE: 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 statement shown.

NOTE: No guarantee as to the accuracy of the information contained on the attached drawing is either stated or implied unless this copy bears an original signature of the professional land surveyor hereon named.

SURVEYORS STATEMENT: I, Kevin C. Hoffman, a Professional Land Surveyor in the State of Colorado, hereby state that this Control Survey Diagram was prepared under my direct supervision this _____ day of _____, from a field survey performed under my supervision and checking for and on behalf of the Department of Transportation, State of Colorado, and is not a Land Survey Plat or Right-of-Way Survey Plat and to the best of my knowledge and belief this control survey, as shown, meets the minimum horizontal control tolerances of a Type B Survey as listed in the Colorado Department of Transportation Survey Manual Chapter Three (Revised 4/29/92).

CONSTRUCTION SURVEYING AND MONUMENTATION REQUIREMENTS:

- 1). This Control Survey Diagram represents the horizontal and vertical control for the project established by the Division. It is possible that some of the survey control monuments listed have been disturbed or obliterated. It is the Contractor's responsibility to verify the existence and stability of the control monuments before submitting a bid price.
- 2). All Type 1 and Type 2 monuments shall be set flush with the ground. Witness posts shall be installed 1 foot from and facing all Type 1 and Type 2 monuments, or as directed by the Project Engineer.
- 3). Installation of Type 3 and Type 3-A monuments shall be completed in the same day that installation is commenced. Under no circumstances shall holes in the roadway be left open overnight.
- 4). When installing Type 3-A monuments, the aluminum access cover shall be positively secured to the PVC pipe with screws or glue. The access cover shall be caulked with asphalt caulking between the cover and the edges of the roadway surface to provide a positive moisture barrier around the access cover.
- 5). Control survey procedures, statistical analysis, and accuracy obtained for horizontal and vertical control shall be documented in the field book.
- 6). Legible copies of the field books shall be submitted to the Project Engineer for review on a monthly basis.
- 7). It is ultimately the prime Contractor's responsibility to insure that these requirements, as well as any contained in the CDOT specifications, project special provisions, and CDOT Survey Manual are fulfilled under this contract.
- 8). The minimum staking intervals for each item are described on the plans or in the CDOT Survey Manual. If the contractor wishes to reduce the minimum intervals, a Contract Modification Order must be negotiated and the cost of the item reduced accordingly.

Kevin C. Hoffman, PLS #22568

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Right of Way Plans Unit: Willis

Sheet Revisions:

mm/yy	xxxxx	xxx

US HWY 160 MP 227 to MP 233
SEC. 35 & 36, T. 38 N, R. 9 E., SEC. 31 T. 38 N., R. 10 E.
SEC. 4, 5, 6, 9, & 10 T. 37 N., R. 10 E.

ALAMOSA COUNTY
STATE OF COLORADO

Right of Way Plans

Project Control Diagram

Project Number: NH 1602-102				
Project Location: Inter. U.S. 160 & Victoria St.				
Project Location: Alamosa County				
Project Code:	Last Mod. Date	Submittal Sheets	Sheet No.	Total No. of Sheets
14915	08/23/2006	2 of 4	3A	9

Prepared By:



MOUNTAIN SURVEYING &
MAPPING, INC.

8751 E. HAMPDEN AVE. SUITE B-1
DENVER, COLORADO 80231
(303) 306-1858

GEODETIC COORDINATE SUMMARY TABLE
(ADJUSTED FIELD DATA)

POINT NAME	GEODETIC COORDINATES NAD-83(92) (CHARN)		ELLIP. (NAVD88)m	MAPPING ANGLE	SCALE	NAD 83(92) ZONE 0502	
	LATITUDE(N)	LONGITUDE(W)				NORTHING (m)	EASTING (m)
US160 CM-MP 227.60	37° 30' 05.30615" N	105° 57' 25.57350" W	2291.410	-0° 16' 49.40000"	0.999962159	397549.391	873984.712
US160 CM-MP 227.98	37° 29' 56.33036" N	105° 57' 04.48942" W	2291.043	-0° 16' 36.40000"	0.999962411	397270.166	874501.220
US160 CM-MP 228.15	37° 29' 52.69779" N	105° 56' 53.26329" W	2290.761	-0° 16' 29.50000"	0.999962514	397156.853	874776.416
US160 CM-MP 228.30	37° 29' 48.68075" N	105° 56' 46.24919" W	2289.326	-0° 16' 25.20000"	0.999962627	397032.190	874948.105
US160 CM-MP 228.45	37° 29' 45.56092" N	105° 56' 36.29465" W	2289.655	-0° 16' 19.10000"	0.999962716	396934.847	875192.157
US160 CM-MP 228.60	37° 29' 40.39283" N	105° 56' 26.74942" W	2289.523	-0° 16' 13.30000"	0.999962863	396774.414	875425.862
US160 CM-MP 228.80	37° 29' 35.37014" N	105° 56' 14.93957" W	2289.124	-0° 16' 06.00000"	0.999963007	396618.210	875715.225
US160 CM-MP 228.95	37° 29' 33.32883" N	105° 56' 07.54010" W	2288.258	-0° 16' 01.50000"	0.999963066	396554.431	875896.690
US160 CM-MP 229.10	37° 29' 28.33469" N	105° 55' 58.19772" W	2288.167	-0° 15' 55.80000"	0.999963209	396399.404	876125.461
US160 CM-MP 229.25	37° 29' 25.86924" N	105° 55' 49.96504" W	2287.797	-0° 15' 50.70000"	0.999963280	396322.464	876327.341
US160 CM-MP 229.40	37° 29' 21.44331" N	105° 55' 42.04297" W	2287.257	-0° 15' 45.90000"	0.999963408	396185.126	876521.318
US160 CM-MP 229.55	37° 29' 19.46356" N	105° 55' 34.31523" W	2287.257	-0° 15' 41.10000"	0.999963466	396123.225	876710.871
US160 CM-MP 229.70	37° 29' 13.70287" N	105° 55' 23.85813" W	2287.214	-0° 15' 34.70000"	0.999963634	395944.465	876966.947
US160 CM-MP 229.85	37° 29' 11.46199" N	105° 55' 15.43845" W	2286.093	-0° 15' 29.50000"	0.999963699	395874.448	877173.471
US160 CM-MP 230.05	37° 29' 05.67754" N	105° 55' 04.74548" W	2286.216	-0° 15' 23.00000"	0.999963868	395694.944	877435.355
US160 CM-MP 230.20	37° 29' 03.24482" N	105° 54' 56.14064" W	2285.820	-0° 15' 17.70000"	0.999963940	395619.004	877646.412
US160 CM-MP 230.40	37° 28' 57.07780" N	105° 54' 44.76273" W	2285.350	-0° 15' 10.70000"	0.999964122	395427.647	877925.089
US160 CM-MP 230.55	37° 28' 55.04683" N	105° 54' 36.76372" W	2285.811	-0° 15' 05.80000"	0.999964182	395364.171	878121.328
US160 CM-MP 230.70	37° 28' 49.68890" N	105° 54' 27.50788" W	2285.457	-0° 15' 00.10000"	0.999964341	395198.000	878347.999
US160 CM-MP 230.85	37° 28' 47.64540" N	105° 54' 19.38348" W	2285.090	-0° 14' 55.20000"	0.999964402	395134.133	878547.325
US160 CM-MP 230.95	37° 28' 43.90045" N	105° 54' 13.57898" W	2284.609	-0° 14' 51.60000"	0.999964513	395018.065	878689.432
US160 CM-MP 231.10	37° 28' 40.83087" N	105° 54' 03.42636" W	2284.876	-0° 14' 45.40000"	0.999964605	394922.361	878938.460
US160 CM-MP 231.25	37° 28' 36.01776" N	105° 53' 55.36185" W	2283.983	-0° 14' 40.40000"	0.999964749	394773.133	879135.961
US160 CM-MP 231.40	37° 28' 33.78787" N	105° 53' 46.78452" W	2284.152	-0° 14' 35.20000"	0.999964816	394703.493	879346.407
US160 CM-MP 231.55	37° 28' 28.85871" N	105° 53' 38.47081" W	2283.043	-0° 14' 30.10000"	0.999964965	394550.672	879550.029
US160 CM-MP 231.70	37° 28' 26.71490" N	105° 53' 30.12876" W	2284.107	-0° 14' 24.90000"	0.999965030	394483.720	879754.715
US160 CM-MP 231.85	37° 28' 21.55321" N	105° 53' 21.23741" W	2282.856	-0° 14' 19.50000"	0.999965186	394323.681	879972.513
US160 CM-MP 232.00	37° 28' 17.25562" N	105° 53' 11.10957" W	2282.272	-0° 14' 13.30000"	0.999965317	394190.160	880220.811
US160 CM-MP 232.15	37° 28' 13.77283" N	105° 53' 03.03227" W	2282.555	-0° 14' 08.30000"	0.999965424	394081.973	880418.836
US160 CM-MP 232.30	37° 28' 11.70941" N	105° 52' 54.98540" W	2282.893	-0° 14' 03.40000"	0.999965487	394017.551	880616.297
US160 CM-MP 232.45	37° 28' 06.74712" N	105° 52' 46.30753" W	2282.572	-0° 13' 58.10000"	0.999965639	393863.703	880828.903
US160 CM-MP 232.60	37° 28' 05.07906" N	105° 52' 36.49507" W	2282.269	-0° 13' 52.00000"	0.999965690	393811.303	881069.806
US160 CM-MP 232.72	37° 28' 05.74561" N	105° 52' 28.33730" W	2282.228	-0° 13' 47.00000"	0.999965670	393831.046	881270.342

PROJECT COORDINATE SUMMARY TABLE
(ADJUSTED FIELD DATA)

POINT NAME	PROJECT COORDINATES		ELEV(ft)	DESCRIPTION
	NORTH (ft)	EAST (ft)		
US160 CM-MP 227.60	320560.48	243868.50	7572.59	FOUND CDOT TYPE II - CP #48
US160 CM-MP 227.98	319644.03	245563.75	7571.38	FOUND CDOT TYPE II - CP #49
US160 CM-MP 228.15	319272.12	246466.98	7570.43	SET CDOT TYPE II
US160 CM-MP 228.30	318862.96	247030.49	7565.72	SET CDOT TYPE II
US160 CM-MP 228.45	318543.46	247831.50	7566.81	SET CDOT TYPE II
US160 CM-MP 228.60	318016.90	248598.55	7566.38	FOUND CDOT TYPE II - CP #51
US160 CM-MP 228.80	317504.22	249548.28	7565.08	FOUND CDOT TYPE II - CP #52
US160 CM-MP 228.95	317294.89	250143.87	7562.25	SET CDOT TYPE II
US160 CM-MP 229.10	316786.07	250894.73	7561.93	FOUND CDOT TYPE II - CP #53
US160 CM-MP 229.25	316533.54	251557.33	7560.72	SET CDOT TYPE II
US160 CM-MP 229.40	316082.78	252193.99	7558.97	SET CDOT TYPE II
US160 CM-MP 229.55	315879.61	252816.12	7558.95	SET CDOT TYPE II
US160 CM-MP 229.70	315292.90	253656.60	7558.81	FOUND CDOT TYPE II - CP #55
US160 CM-MP 229.85	315063.09	254334.44	7555.15	SET CDOT TYPE II
US160 CM-MP 230.05	314473.93	255193.98	7555.55	FOUND CDOT TYPE II - CP #56
US160 CM-MP 230.20	314224.69	255886.69	7554.26	SET CDOT TYPE II
US160 CM-MP 230.40	313596.63	256801.35	7552.73	FOUND CDOT TYPE II - CP #57
US160 CM-MP 230.55	313388.29	257445.43	7554.25	SET CDOT TYPE II
US160 CM-MP 230.70	312842.90	258189.40	7553.08	FOUND CDOT TYPE II - CP #58
US160 CM-MP 230.85	312633.28	258843.61	7551.90	SET CDOT TYPE II
US160 CM-MP 230.95	312252.33	259310.03	7550.30	FOUND ROW PT #291
US160 CM-MP 231.10	311938.21	260127.37	7551.18	SET CDOT TYPE II
US160 CM-MP 231.25	311448.43	260775.60	7548.26	FOUND CDOT TYPE II - CP #60
US160 CM-MP 231.40	311219.86	261466.31	7548.82	SET CDOT TYPE II
US160 CM-MP 231.55	310718.28	262134.62	7545.19	SET CDOT TYPE II
US160 CM-MP 231.70	310498.53	262806.43	7548.68	SET CDOT TYPE II
US160 CM-MP 231.85	309973.26	263521.27	7544.59	SET CDOT TYPE II
US160 CM-MP 232.00	309535.03	264336.22	7542.67	SET CDOT TYPE II
US160 CM-MP 232.15	309179.95	264986.16	7543.62	SET CDOT TYPE II
US160 CM-MP 232.30	308968.50	265634.26	7544.71	SET CDOT TYPE II
US160 CM-MP 232.45	308463.55	266332.06	7543.67	SET CDOT TYPE II
US160 CM-MP 232.60	308291.57	267122.73	7542.69	SET CDOT TYPE V
US160 CM-MP 232.72	308356.37	267780.92	7542.55	SET CDOT TYPE II

GRID TO PROJECT PARAMETERS

Project number: Control established under 13973
Project identifier: Control established under NH 1602-093
Route U.S. Highway 160, from MP 227 to MP 233
Project location: Region 5 in Alamosa County, Colorado

Project Latitude 37.284401
Project Longitude 105.524056
Project Elevation 2300.4236m
Zone Colorado South
Scale Factor 0.9999645100
Combined Factor 0.9996036325
Northing Reduction 300000
Easting Reduction 800000
Units are METERS.

COLORADO DEPARTMENT OF TRANSPORTATION



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US HWY 160 MP 227 to MP 233
SEC. 35 & 36, T. 38 N., R. 9 E., SEC. 31 T. 38 N., R. 10 E.
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ALAMOSA COUNTY
STATE OF COLORADO

Right of Way Plans

Project Control Diagram

Project Number: NH 1602-102

Project Location: Inter. U.S. 160 & Victoria St.

Project Location: Alamosa County

Project Code:	Last Mod. Date	Subset Sheets	Sheet No.	Total No. of Sheets
14915.	08/23/2006	3 of 4	3B	9

Prepared By:



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SET
US160 CM-MP 231.40
CDOT TYPE II
▲ N: 311219.86
E: 261466.31
EL: 7548.82

SET
US160 CM-MP 231.55
CDOT TYPE II
▲ N: 310718.28
E: 262134.62
EL: 7545.19

SET
US160 CM-MP 231.70
CDOT TYPE II
▲ N: 310498.53
E: 262806.43
EL: 7548.68

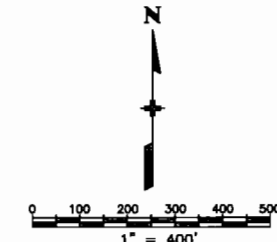
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US160 CM-MP 231.85
CDOT TYPE II
▲ N: 309973.26
E: 263521.27
EL: 7544.59

SET
US160 CM-MP 232.00
CDOT TYPE II
▲ N: 309535.03
E: 264336.22
EL: 7542.67

SET
US160 CM-MP 232.15
CDOT TYPE II
▲ N: 309179.95
E: 264986.16
EL: 7543.62

SET
US160 CM-MP 232.30
CDOT TYPE II
▲ N: 308968.50
E: 265634.26
EL: 7544.71

SET
US160 CM-MP 232.45
CDOT TYPE II
▲ N: 308463.55
E: 266332.06
EL: 7543.67





Sheet Revisions

Date	Description	Initials
mm/yy	XXXXXXXX	XXX

Right of Way Plans

Land Survey Control Diagram

Project Number: NH 1602-102				
Project Location: Inter. U.S. 160 & Victorio St.				
Project Location: Alamosa				
Project Code:	Last Mod. Date	Subset Sheets	Sheet No.	Total No. of Sheets
14915	10/10/2006	4 of 4	3C	9

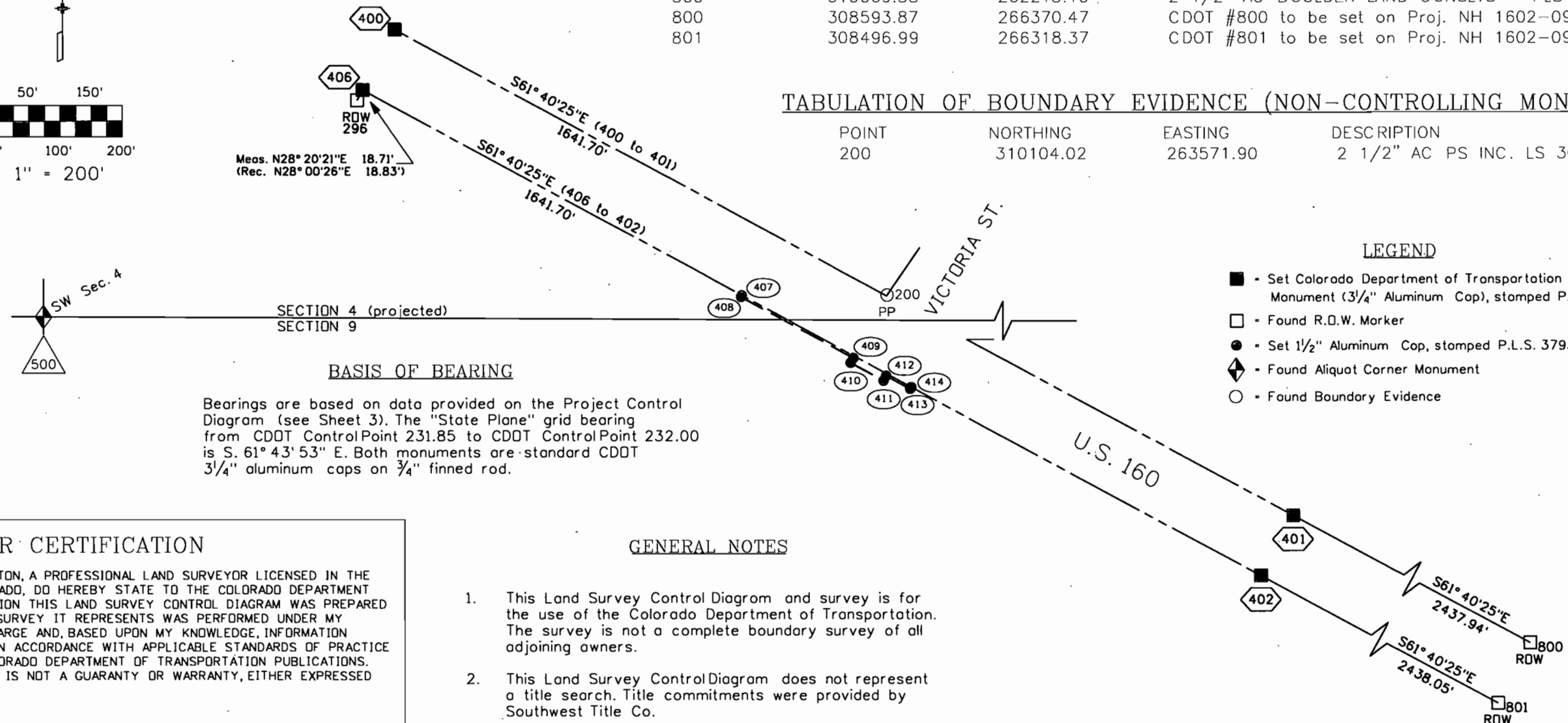
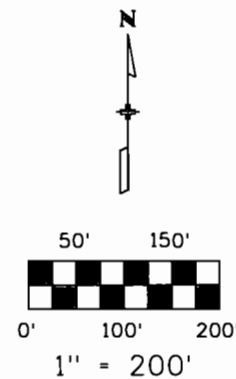
LAND SURVEY CONTROL DIAGRAM
T. 37 N., R. 10 E. of the N.M.P.M.

TABULATION OF BOUNDARY EVIDENCE (CONTROLLING MONUMENTS)

POINT	NORTHING	EASTING	DESCRIPTION
296	310416.34	262718.26	3 1/4" CDOT ROW AC LS 18468 - Set on Proj. NH 1602-058
500	310069.58	262213.10	2 1/2" AC BOULDER LAND CONSLS - PLS 20134
800	308593.87	266370.47	CDOT #800 to be set on Proj. NH 1602-093 - PLS 17488
801	308496.99	266318.37	CDOT #801 to be set on Proj. NH 1602-093 - PLS 17488

TABULATION OF BOUNDARY EVIDENCE (NON-CONTROLLING MONUMENTS)

POINT	NORTHING	EASTING	DESCRIPTION
200	310104.02	263571.90	2 1/2" AC PS INC. LS 30087



LEGEND

- - Set Colorado Department of Transportation Right of Way Monument (3/4" Aluminum Cop), stamped P.L.S. NO. 37932
- - Found R.D.W. Marker
- - Set 1/2" Aluminum Cop, stamped P.L.S. 37932
- ◆ - Found Aliquot Corner Monument
- - Found Boundary Evidence

BASIS OF BEARING

Bearings are based on data provided on the Project Control Diagram (see Sheet 3). The "State Plane" grid bearing from CDDT ControlPoint 231.85 to CDDT ControlPoint 232.00 is S. 61° 43' 53" E. Both monuments are standard CDDT 3/4" aluminum caps on 3/4" finned rod.

SURVEYOR CERTIFICATION

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.

TODD C. JOHNSTON

P.L.S. NO. 37932

GENERAL NOTES

- This Land Survey Control Diagram and survey is for the use of the Colorado Department of Transportation. The survey is not a complete boundary survey of all adjoining owners.
- This Land Survey Control Diagram does not represent a title search. Title commitments were provided by Southwest Title Co.
- All coordinates listed are PROJECT COORDINATES only. Coordinates are carried out to 2 decimal places for calculation purposes and do not represent survey precision. Survey precision exceeds C.D.O.T. "B" order precision.

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.

Colorado Department of Transportation



3803 North Main Avenue, Suite 300
Durango, CO 81301
Phone: 970-385-1421 FAX: 970-385-1410

Region 5

Willis

Sheet Revisions

Date	Description	Initials
mm/yy	XXXXXXXX	XXX

Sheet Revisions

Date	Description	Initials
mm/yy	XXXXXXXX	XXX

Sheet Revisions

Date	Description	Initials
mm/yy	XXXXXXXX	XXX

Right of Way Plans

Monumentation Sheet

Project Number: NH 1602-102

Project Location: Inter. U.S. 160 & Victoria St.

Project Location: Alamosa

Project Code:	Last Mod. Date	Subset Sheets	Sheet No.	Total No. of Sheets
14915	10/11/2006	1 of 1	4	9

MONUMENTATION SHEET

TABULATION OF R. O. W. MONUMENTS TO BE SET

Point	Northing	Easting	Monument Type
400	310529.63	262779.33	1
401	309750.66	264224.45	1
402	309653.83	264172.26	1
406	310432.80	262727.14	1

TABULATION OF PERMANENT EASEMENT MONUMENTS TO BE SET

Point	Northing	Easting	Monument Type
407	310103.71	263337.60	6
408	310101.07	263336.18	6
409	310003.32	263517.51	6
410	309995.40	263513.24	6
411	309966.93	263566.06	6
412	309974.85	263570.33	6
413	309953.98	263609.06	6
414	309956.62	263610.48	6

QUANTITY OF MONUMENTS TO BE SET

CAP TYPE	MONUMENT TYPE									
	1	1A	2	2A	3	3A	4	4A	5	6
REFERENCE										
RIGHT OF WAY	4									
CONTROL										
MINING CLAIM										
PERMANENT EASEMENT										8
REFERENCE										
WITNESS POST										

NOTE: Type 1 Monuments are 3-1/4" aluminum caps with magnet set on 3/4" X 3/8" aluminum finned rods

Type 6 Monuments are 1-1/2" aluminum caps on 5/8" rebar

GENERAL NOTES

1. This Right of Way Plan and survey is for the use of the Colorado Department of Transportation. The survey is not a complete boundary survey of all adjoining owners.
2. This Right of Way Plan does not represent a title search. Title commitments were provided by Southwest Title Co.
3. All coordinates listed are PROJECT COORDINATES only. Coordinates are carried out to 2 decimal places for calculation purposes and do not represent survey precision. Survey precision exceeds C.D.O.T. "B" order precision.

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Sheet Revisions

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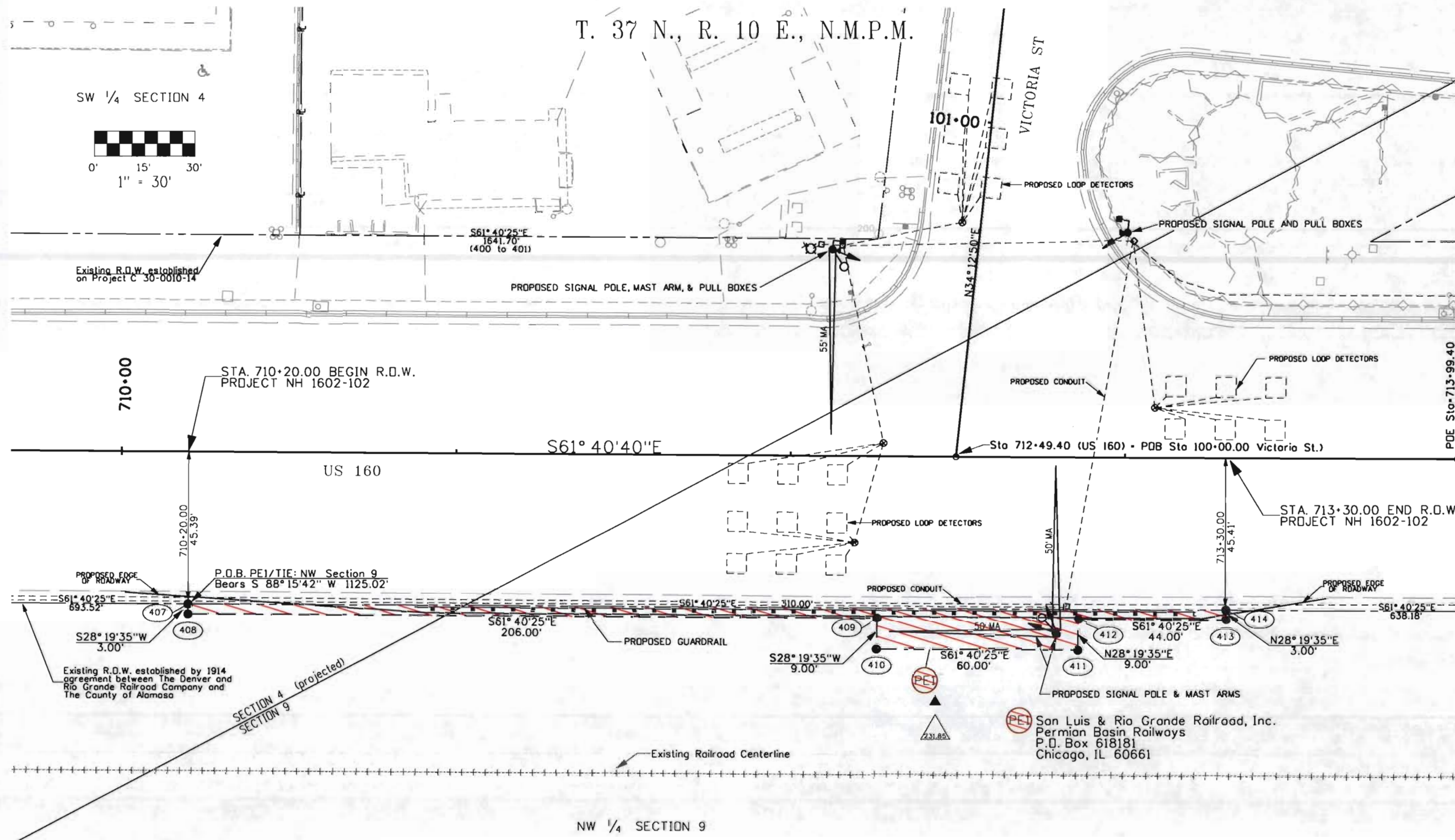
Sheet Revisions

Date	Description	Initials
mm/yy	XXXXXXXX	XXX

Right of Way Plans

Plan Sheet

Project Number: NH 1602-102				
Project Location: Inter. U.S. 160 & Victoria St.				
Project Location: Alamosa				
Project Code:	Last Mod. Date:	Subst Sheets	Sheet No.	Total No. of Sheets
14915	10/10/2006	1 of 1	5	9





Sheet Revisions		
Date	Description	Initials
mm/yy	XXXXXXXX	XXX

Sheet Revisions		
Date	Description	Initials
mm/yy	XXXXXXXX	XXX

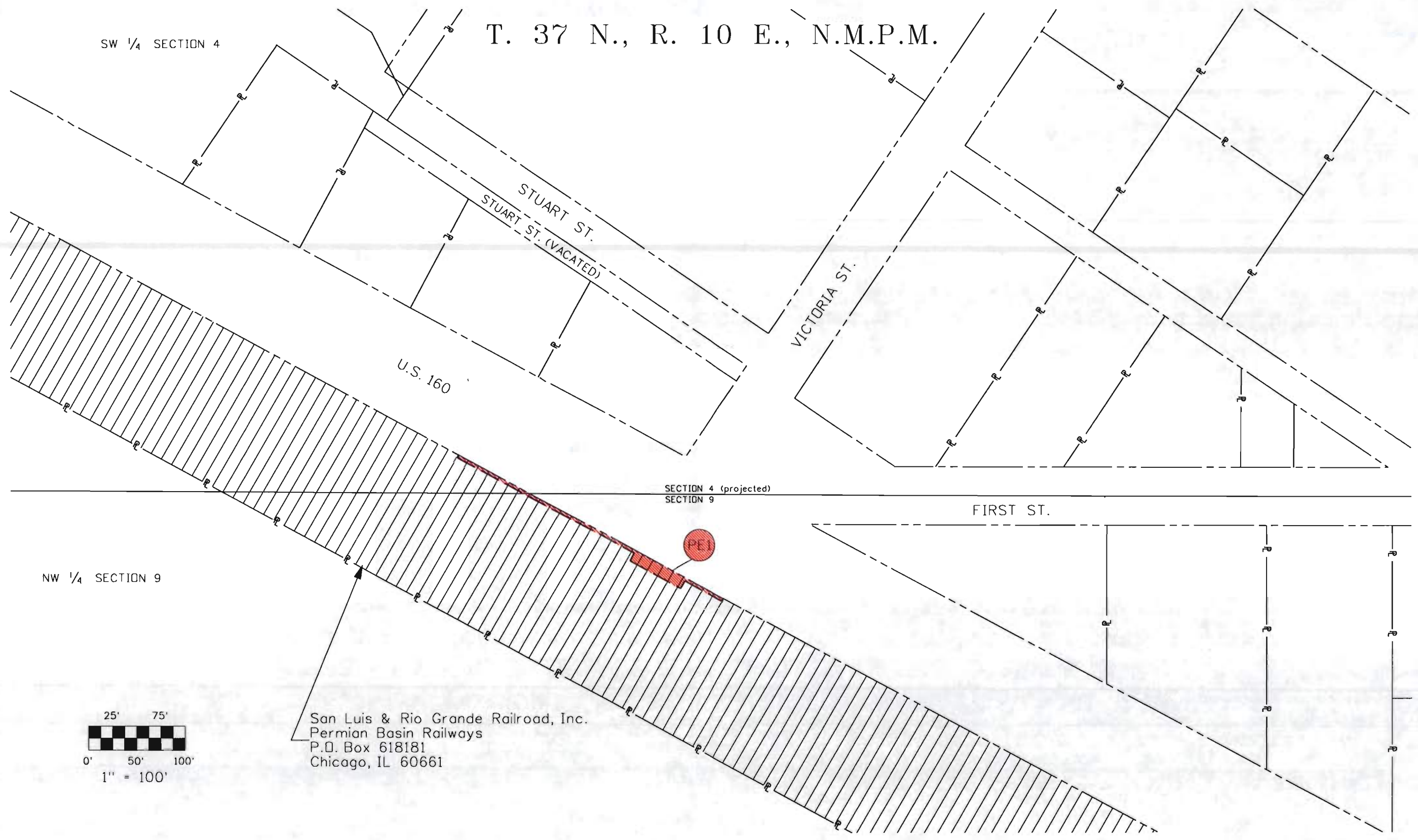
Sheet Revisions		
Date	Description	Initials
mm/yy	XXXXXXXX	XXX



Right of Way Plans			
Ownership Sheet			
Project Number: NH 1602-102			
Project Location: Inter. U.S. 160 & Victoria St.			
Project Location: Alamosa			
Project Code: 14915	Last Mod. Date: 10/10/2006	Subset Sheets: 1 of 1	Sheet No.: 6 Total No. of Sheets: 9

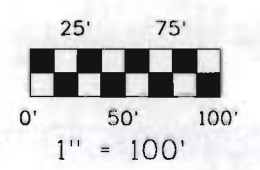
T. 37 N., R. 10 E., N.M.P.M.

SW 1/4 SECTION 4



SECTION 4 (projected)
SECTION 9

NW 1/4 SECTION 9



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 Permian Basin Railways
 P.O. Box 618181
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