

15595

COLORADO DEPARTMENT OF TRANSPORTATION



Region 5
3803 North Main Avenue, Suite 300
Durango, CO 81301
Phone: (970) 385-1400 FAX: (970) 385-1410

Right-of-Way and Survey Unit: Dan Fazzan

Sheet Revisions

Date	Description	Initials

Sheet Revisions

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Prepared By:

WOOLPERT, INC.



WOOLPERT

116 INVERNESS DRIVE EAST #105
ENGLEWOOD, COLORADO 80112-5125
(303) 925-1400 PHONE
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Right of Way Plans

TITLE SHEET

Project Number:	NH 5502-055
Project Location:	Coalbank Rockfall Mitigation
Project Location:	U.S. 550, Coalbank Pass
Project Code:	15595
Last Mod. Date:	4/7/08
Subst. Sheets:	1 of 1
Sheet No.:	1
Total No. of Sheets:	1 of 5

CONVENTIONAL SIGNS

COUNTY LINE
TOWNSHIP OR RANGE LINE
LAND LINES SECTION LINE 1/4 SECTION LINE 1/4 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
MAIL BOX
SIGNS
BENCH MARK
TRIANGULATION POINT
ROAD APPROACHES
SECTION CORNER
CULVERTS & DRAINS
BRIDGES
WATER

DEPARTMENT OF TRANSPORTATION
STATE OF COLORADO

RIGHT OF WAY PLAN OF PROPOSED
FEDERAL AID PROJECT NO. NH 5502-055

ORIGINAL RIGHT OF WAY LINES ESTABLISHED BY

FEDERAL AID PROJECT NO. 300-G (1)

M.P. 58.1 TO 58.4 U.S. HIGHWAY 550

SAN JUAN COUNTY

T.40N., R.8W., NEW MEXICO P.M.

INDEX OF SHEETS

- 1 Title Sheet
- 2 Tabulation of Properties
- 3-4 Monumentation Sheet,
- 5 Control Diagram
Plan Sheet & Ownership Sheet

SCALES OF ORIGINAL DRAWINGS

PLAN SHEETS: 1" = 100'
R.O.W. LENGTH OF PROJECT: 0.3 Miles

BEGIN R.O.W. RETRACEMENT
PROJECT NUMBER
NH 5502-049 STA. 71+82 =
FAP NO. 300-G (1) STA. 73+52.4
M.P. = 58.4

END R.O.W. RETRACEMENT
PROJECT NUMBER
NH 5502-049 STA. 88+00 =
FAP NO. 300-G (1) STA. 89+67.7
M.P. = 58.1

BASIS OF BEARINGS

BASIS OF BEARINGS: Bearings are based on the "State Plane" grid bearing from CDOT Control Point 95 to CDOT Control Point 94 being N39°41'24"E. Both monuments are standard CDOT 3 1/4" aluminum caps on 3/4" aluminum rods. The survey data was obtained from CDOT.

C.P. 95
3 1/4" AC on 3/4" aluminum rod
C.P. 94
3 1/4" AC on 3/4" aluminum rod
N 39°41'24" E

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

AUTHORIZED:

10/18/08
DATE
DIVISION ADMINISTRATOR

COLORADO DEPARTMENT OF TRANSPORTATION



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Region 5, RE II/Survey Unit: tcj, lnr

Sheet Revisions

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CONTROL DIAGRAM

CDOT Project Control Sheet

Project Number: NH 5502-055

Project Location: Coalbank Rockfall Mitigation

Project Location: U.S. 550, Coalbank Pass

Project Code:	Last Mod. Date	Subset Sheets	Sheet No.	Total No. of Sheets
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CDOT PROJECT CONTROL DIAGRAM

NAME	LATITUDE	LONGITUDE	ELLIPSOID HEIGHT	STATE PLANE COORDINATES (METERS)		PROJECT COORDINATES (FEET)			MILE POST	DISTANCE FROM CENTERLINE
			METERS	NORTHING	EASTING	NORTHING	EASTING	ELEVATION		
M441	37° 43' 57.28268"	107° 43' 13.22925"	3172.459	425425.352	718706.537					
91	37° 43' 40.64890	107° 44' 49.50296"	3026.656	424969.056	716337.620	26886.258	54850.249	9981.286	60.705	19.8' RT
92	37° 43' 35.56603"	107° 44' 57.06781"	2991.660	424816.857	716148.664	26386.656	54229.987	9866.499	59.938	RT
93	37° 43' 46.30092"	107° 45' 03.15996"	2996.308	425151.304	716007.504	27484.501	53766.616	9881.749	60.169	RT
94	37° 42' 42.80628"	107° 45' 43.21624"	3066.702	423218.075	714979.576	21138.528	50392.365	10113.005	58.537	70' LT
95	37° 42' 29.92699"	107° 45' 56.02004"	3096.899	422828.732	714656.451	19860.481	49331.683	10212.155	58.216	33.5' RT
G441	37° 40' 24.08841"	107° 47' 25.32182"	2865.285	419003.737	712374.724					

GENERAL NOTES

1. This control survey is for the use of the Colorado Department of Transportation. The survey is not a complete boundary survey.
2. No guarantee as to the accuracy of the information contained on the plat is either stated or implied unless this copy bears an original signature and stamp of the professional surveyor named hereon.
3. 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.
4. All coordinates listed are PROJECT COORDINATES only. Coordinates are carried out to three (3) decimal places for calculation purposes and do not represent survey precision. Survey precision exceeds C.D.O.T. "B" order precision.

BASIS OF BEARING

Bearings are based on the "State Plane" grid bearing from CDOT Control Point 91 to CDOT Control Point 92 being S 51° 08' 58" W. Both monuments are standard CDOT 3 1/4" aluminum caps on 3/4" aluminum rods.

MONUMENTS

All project control monuments are standard CDOT 3 1/4" aluminum caps on 3/4" aluminum rods. M 441 and G 441 are U. S. Coast and Geodetic Survey brass benchmark disks set in concrete posts.

VERTICAL CONTROL

Vertical control was derived from GPS observation. The elevation at M 441 was held fixed. The published orthometric height of M 441 is 3188.07 m (10459.53 ft).

COORDINATE INFORMATION

Geodetic coordinates (NAD 83) were derived from GPS observations tied to First Order HARN station M 441. State Plane Coordinates are Colorado South Zone (NAD 83). Project coordinates are modified State Plane Coordinates in U. S. Survey feet.

To convert Project coordinates to State Plane Coordinates, convert to meters by multiplying by 0.3048006096, add 417,000 to the northings, 700,000 to the eastings, then multiply by a combined scale factor of 0.9994687323.

SURVEYOR'S CERTIFICATION

I, _____, a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation that this Project Control Diagram 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.

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Region 5, RE II/Survey Unit: tcj,lmr

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CONTROL DIAGRAM

CDOT Project Control Sheet

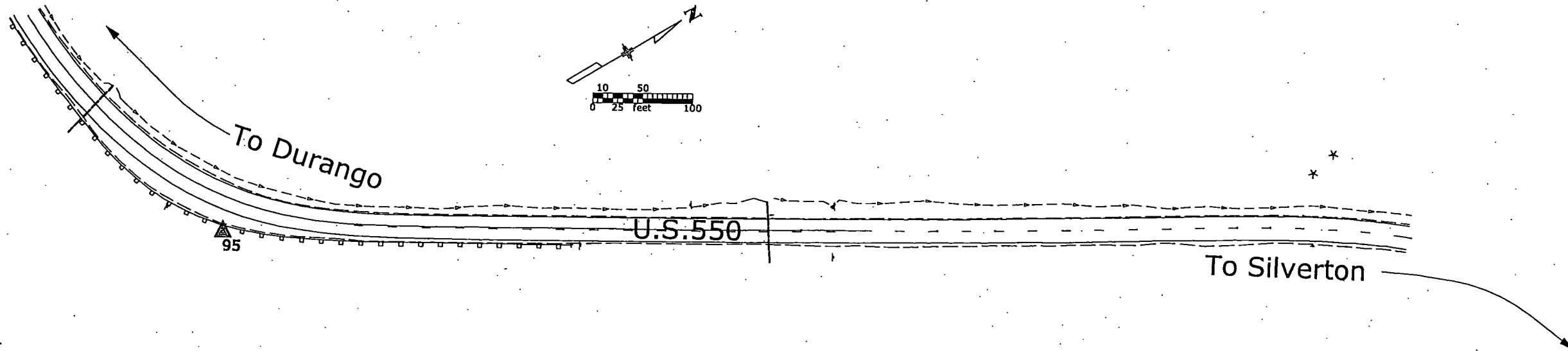
Project Number: NH 5502-055

Project Location: Coalbank Rockfall Mitigation

Project Location: U.S. 550, Coalbank Pass

Project Code	Last Mod. Date	Subsect. Sheets	Sheet No.	Total No. of Sheets
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COALBANK PASS



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Right of Way Plans

PLAN SHEET

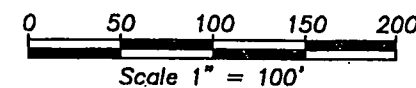
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GENERAL NOTES

1. This Right-of-Way plan is not a complete boundary survey of all the adjoining property owners and is prepared for the Transportation Department purposes ONLY.
2. Title Commitments / Policies were not supplied.
3. 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 certification shown hereon.
4. All Right of Way Markers set from survey control points.
5. All centerline and offset stationing is theoretical only and may not represent the centerline as constructed in the field.
6. All coordinates listed are PROJECT COORDINATES.
7. Right of Way subject to any existing Forest Service Trails.
8. BASIS OF BEARINGS: Bearings are based on the "State Plane" grid bearing from CDOT Control Point 95 to CDOT Control Point 94 being N39°41'24"E. Both monuments are standard CDOT 3 1/4" aluminum caps on 3/4" aluminum rods. The survey data was obtained from CDOT.

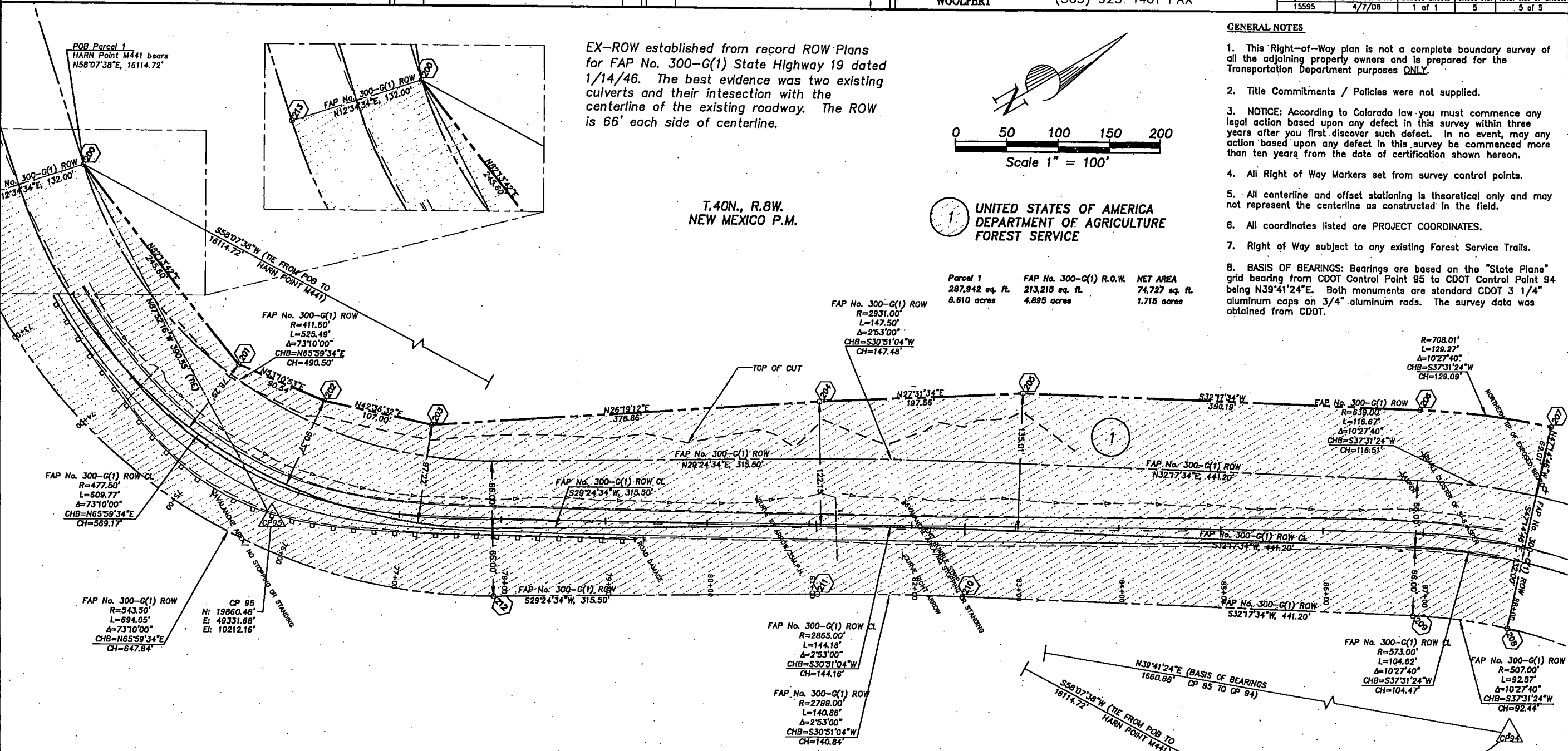
EX-ROW established from record ROW Plans for FAP No. 300-G(1) State Highway 19 dated 1/14/46. The best evidence was two existing culverts and their intersection with the centerline of the existing roadway. The ROW is 66' each side of centerline.

T.40N., R.8W.
NEW MEXICO P.M.



1 UNITED STATES OF AMERICA
DEPARTMENT OF AGRICULTURE
FOREST SERVICE

Parcel 1	FAP No. 300-G(1) R.O.W.	NET AREA
287,942 sq. ft. 6.610 acres	213,215 sq. ft. 4.895 acres	74,727 sq. ft. 1.715 acres



Tabulation of Right of Way Markers To Be Set

Point	Northing	Easting	Type
200	19874.988	48941.403	1
201	19908.199	49184.747	1
202	19962.455	49257.224	1
203	20041.207	49329.663	1
204	20380.795	49497.645	1
205	20555.991	49588.948	1
206	20885.831	49797.406	1
207	20988.211	49876.032	1
208	20851.758	50023.626	1
209	20778.444	49967.323	1
210	20405.485	49731.613	1
211	20284.573	49659.388	1
212	20009.730	49504.463	1
213	19746.155	48912.662	1

QUANTITY OF MONUMENTS TO BE SET

CAP TYPE	MONUMENT TYPE									
	1	1A	2	2A	3	3A	4	4A	5	
REFERENCE										
RIGHT OF WAY 3-1/4"	13									
CONTROL										
ALIQUOT CORNER										
WITNESS POST										
PERM. EASEMENT										
C.R. RIGHT OF WAY										

M441
N: 28384.097
E: 62626.402

CP 94
N: 21138.53
E: 50392.37
E: 10113.01

SURVEYOR'S CERTIFICATE

THIS RIGHT OF WAY PLAN WAS PREPARED AND THE FIELD SURVEY IT REPRESENTS WAS PERFORMED UNDER MY RESPONSIBLE CHARGE AND, BASED ON 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.

NAME MICHAEL D. HEIMBUCK P.L.S. NO. 17488

DATE _____

Original Stamp