



COLORADO
Department of
Transportation

DOCUMENT SEPARATOR SHEET

REGION 5 – JUNE 2017 CONVERSION

To be placed at the beginning of each separator sheet.



r500001328

Description:

ROW Plans 24X36

Route # and Mile Points:

US 160

Originating Office:

ROW/Survey

File Name:

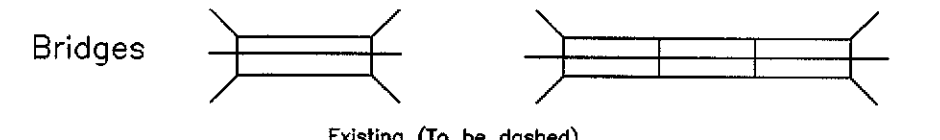
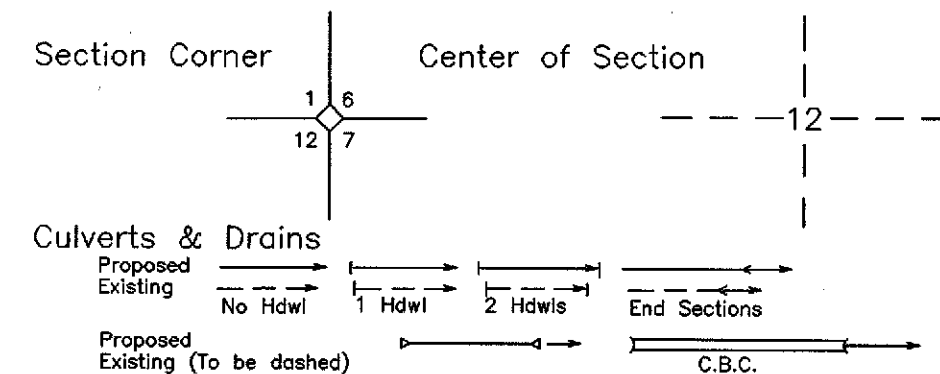
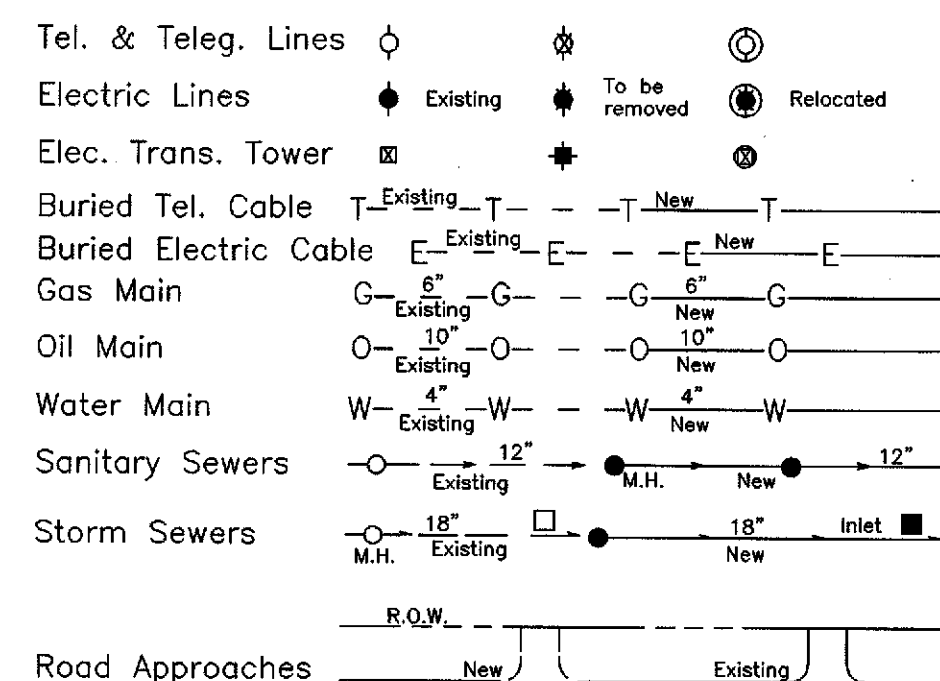
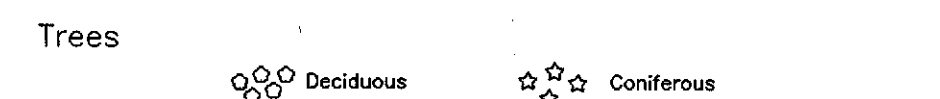
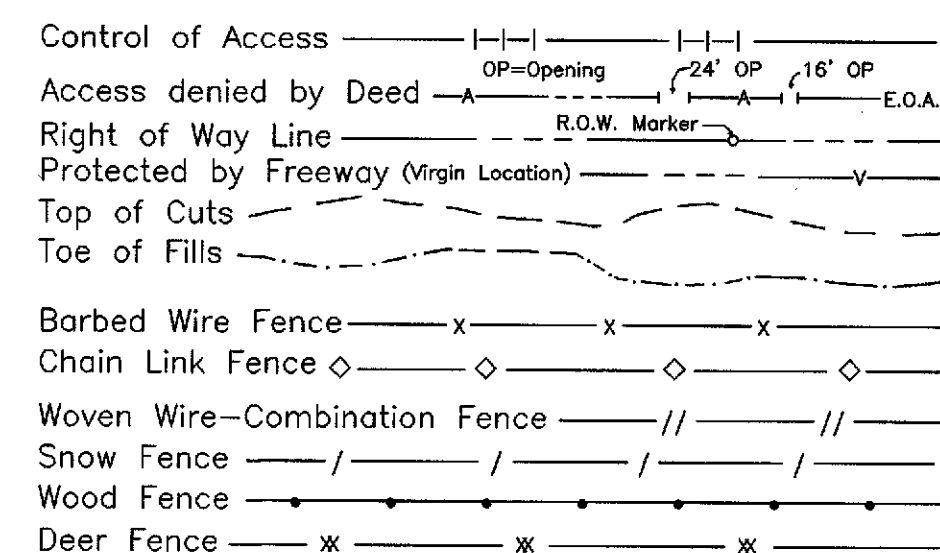
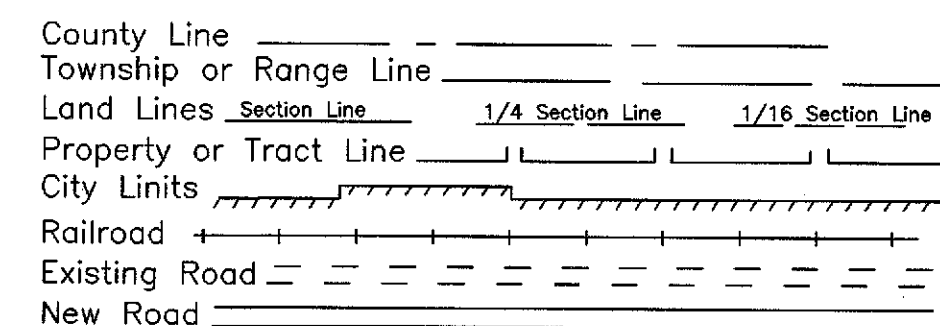
NH(CX)160-2(49)_ROW(.PDF)

Box Location:

23 (TUBE-3)of 38

NH (CX) 160-2(49)

CONVENTIONAL SIGNS



BASIS OF BEARINGS: THE WEST LINE OF TRACT 49 IN SECTION 17, TOWNSHIP 39 NORTH, RANGE 3 EAST OF THE NEW MEXICO PRINCIPAL MERIDIAN BETWEEN ANGLE POINT 4 (A 64mm GLO BRASS CAP) AND ANGLE POINT 5 (A 64mm GLO BRASS CAP) WAS DETERMINED BY GLOBAL POSITIONING SYSTEM (G.P.S.) SURVEY IN DECEMBER, 1996 TO BE S 00°38'43" W AFTER A CLOCKWISE ROTATION OF 0°43'31.2" TO MATCH THE BEARING BETWEEN POINT 100 (AN 83mm CDOT ALUMINUM CAP MARKED MILEPOST 182.75) AND POINT 91 (AN 83mm CDOT ALUMINUM CAP MARKED MILEPOST 181.16) AS DETERMINED BY A PREVIOUS SURVEY.

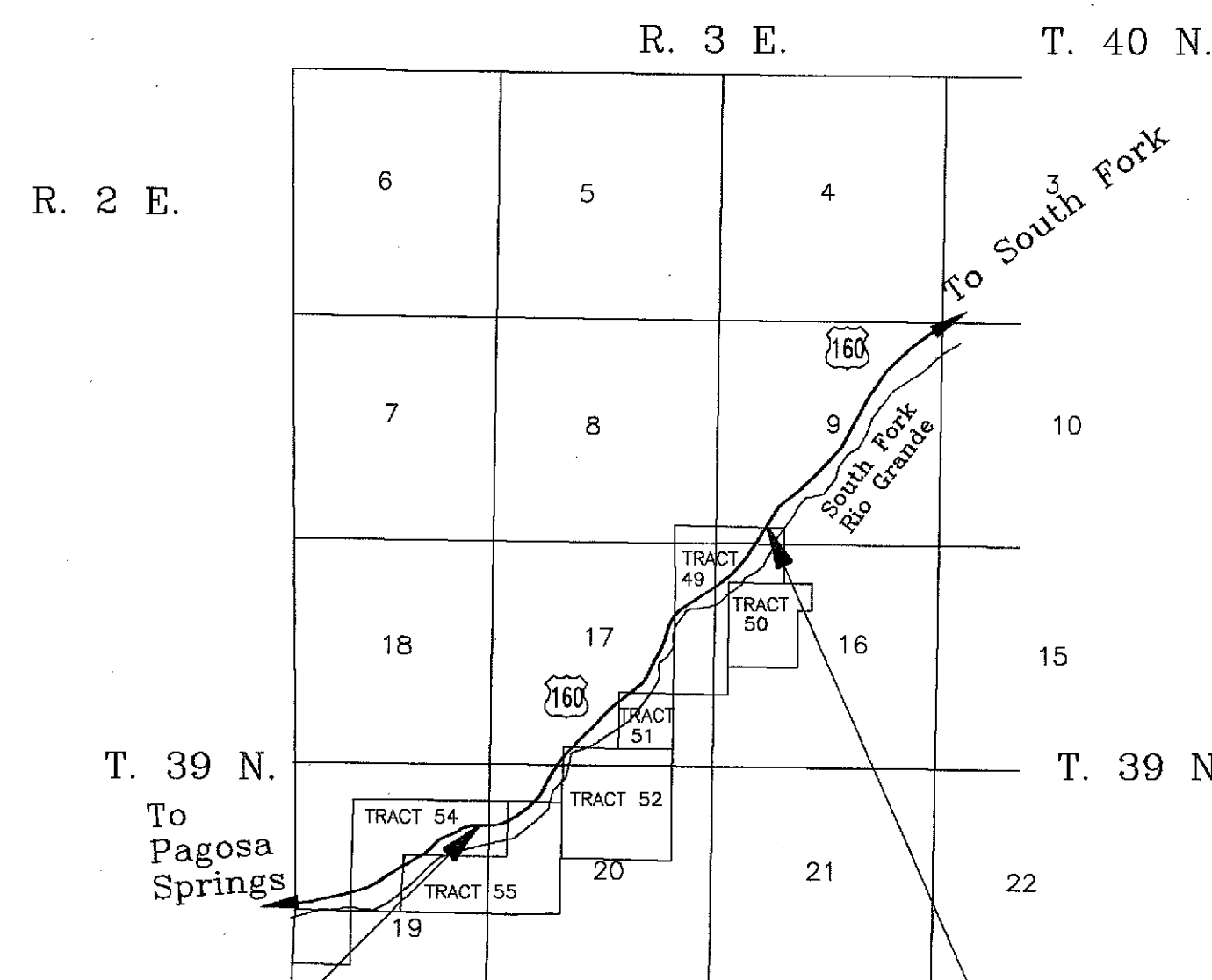
Date: 6/10/98
Subaccount: 92976
Region: 5

DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

RIGHT OF WAY PLAN OF PROPOSED FEDERAL AID PROJECT NO. NH(CX) 160-2(49) STATE HIGHWAY NO. 160 RIO GRANDE COUNTY

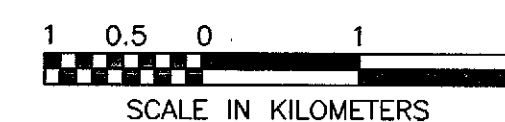
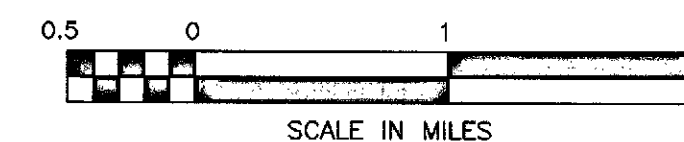
SCALES OF ORIGINAL 22"x34" DRAWINGS

PLAN SHEETS 1 IN. = 50 FT.
CONTROL AND OWNERSHIP 1 IN. = 500 FT.



STA. 360+00 BEGIN R.O.W. PROJ. NH(CX) 160-2(49)
M.P. = 181.12

STA. 460+49.47 END R.O.W. PROJ. NH(CX) 160-2(49)
STA. 460+49.46 ON PROJ. NHFR(CX)160-2(146)
M.P. = 183.02



FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	1	14

NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	6/24/98

RIGHT OF WAY
MINERAL/ RIO GRANDE
COUNTY LINE EAST

INDEX OF SHEETS

SHEET NUMBER	
1.	TITLE SHEET
2.	PROPERTY OWNERSHIP TABULATION
3A.-3C.	CONTROL AND MONUMENTATION SHEETS
4.-11.	PLAN SHEETS
12.	OWNERSHIP MAP

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

AUTHORIZED

DATE

DIVISION ADMINISTRATOR

RIGHT OF WAY		NO.	REVISIONS	DATE
MINERAL/ RIO GRANDE COUNTY LINE EAST		1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
		2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
		3	REMOVE TE1, ADD 1, TE1A	6/24/98

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	3A	14

NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	6/24/98

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

SURVEY CONTROL POINT TABULATION

NOTE: COORDINATES ARE CARRIED OUT
TO THREE PLACES DECIMAL FOR
CALCULATION PURPOSES.

[illegible]

GENERAL NOTES

1. This Right of Way plan is not a complete boundary survey of all adjoining owners and is prepared for Colorado Department of Transportation purposes only.
2. Utility easements and other miscellaneous Right of Ways and easements located outside of S.H. 160 corridor ARE NOT SHOWN.
3. Field survey control precision computed to exceed 1:20000.
4. 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. 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 ONLY.

Original Control Survey and TMOSS Survey were performed under my supervision and checking.

NAME ALVIN J. GIER PLS NO 29431
COLORADO

DATE _____

Section Corner Ties were located and R.O.W. Plans and legal descriptions were prepared under my supervision and checking.

NAME for [Signature] PLS NO 11434
COLORADO

DATE _____

Right of Way Monumentation was done under my supervision and checking.

NAME _____ PLS NO 31161
COLORADO

DATE _____ NATIONAL LAND SURVEY

CONTROL AND MONUMENTATION SHEET

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	3B	14
		NO.	REVISIONS	DATE
		1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
		2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
		3	REMOVE TE1, ADD 1, TE1A	6/24/98

RIGHT OF WAY
MINERAL/ RIO GRANDE
COUNTY LINE EAST

TEMPORARY EASEMENT POINT TABULATION

PT #	NORTHING	EASTING	
601	347814.033	1654781.990	/LT. STA. 361+00.00
602	347833.916	1654779.830	/LT. STA. 361+00.00
603	347869.524	1654959.337	/LT. STA. 363+00.00
604	347850.322	1654964.930	/LT. STA. 363+00.00
609	353466.264	1660221.488	/RT. STA. 442+50.00
610	353426.305	1660251.543	/RT. STA. 442+50.00
611	353524.096	1660374.626	/RT. STA. 444+00.00
612	353562.408	1660342.496	/RT. STA. 444+00.00
613	353448.877	1659805.387	/LT. STA. 439+00.00
614	353490.657	1659777.919	/LT. STA. 439+00.00
615	353551.063	1659869.801	/LT. STA. 440+09.96
616	353774.248	1660164.601	/LT. STA. 444+00.00

TABULATION OF LAND CORNERS

2267	353214.426	1659677.397	FOUND 89mm USC & GS BRASS DISK SET IN ROCK "S 161 1934"
2577	350904.068	1657770.226	FOUND 64mm GLO BRASS CAP ON 25mm NON-GALVANIZED PIPE "USGLO SURVEY 1925 T39N R3E S17 AP2 TR52"
4901	354820.736	1661663.895	FOUND 64mm GLO BRASS CAP ON 25mm NON-GALVANIZED PIPE "9/2/75 AP1 TR49 T39N R3E 5442"
4902	354834.295	1660339.138	FOUND 64mm GLO BRASS CAP ON 25mm NON-GALVANIZED PIPE "T39N R3E S9 TR49 AP2 1925"
4904	353526.718	1659084.020	FOUND 64mm GLO BRASS CAP "T39N R3E S17 TR49 AP4"
4905	350875.787	1659054.158	FOUND 64mm GLO BRASS CAP "T39N R3E S17 TR49 AP5 TR51 AP1 1925"
4907	353503.128	1660354.802	FOUND 64mm GLO BRASS CAP ON 25mm IRON PIPE "USGLO SURVEY 1925 T39N R3E AP5 TR49 AP2 TR50"
5401	348317.625	1655126.207	FOUND 64mm GLO BRASS CAP ON 25mm PIPE "T39N R3E S20 AP1 TR54 AP2 TR55"
5411	347910.391	1655122.216	FOUND 83mm USDA/FS ALUM CAP ON 51mm ALUM PIPE "T39N R3E PRIV U.S.F.S. C.D.O.H. PE-LS 10402 1984"
5412	347727.022	1655119.603	FOUND 83mm USDA/FS ALUM CAP ON 51mm ALUM PIPE "T39N R3E C.D.O.H. PRIV U.S.F.S. LS 10402 1984"

FOUND ROW POINT TABULATION

	NORTHING	EASTING	
PT 146	354165.868	1660883.481	83mm ROW CAP 146
PT 147	354490.371	1660929.498	83mm ROW CAP 147
PT 148	354387.098	1661100.696	83mm ROW CAP 148
PT 149	354826.226	1661132.387	83mm ROW CAP 149
PT 150	354823.733	1661367.734	83mm ROW CAP 150
PT 200	353429.135	1659993.891	1.067m CONCRETE PILLAR ROW MARKER
PT 201	353343.908	1660044.279	1.067m CONCRETE PILLAR ROW MARKER
PT 202	352963.909	1659465.522	1.067m CONCRETE PILLAR ROW MARKER
PT 203	353045.149	1659414.318	1.067m CONCRETE PILLAR ROW MARKER
PT 204	352136.679	1658792.957	1.067m CONCRETE PILLAR ROW MARKER
PT 205	352069.854	1658879.347	1.067m CONCRETE PILLAR ROW MARKER
PT 206	352063.917	1658906.614	1.067m CONCRETE PILLAR ROW MARKER
PT 207	350694.436	1657698.805	1.067m CONCRETE PILLAR ROW MARKER
PT 208	350613.700	1657756.930	1.067m CONCRETE PILLAR ROW MARKER
PT 209	348601.879	1655937.145	1.067m CONCRETE PILLAR ROW MARKER
PT 210	348558.606	1656041.135	1.067m CONCRETE PILLAR ROW MARKER
PT 400	354822.912	1661427.808	83mm ROW CAP 400
PT 401	354826.818	1661074.210	83mm ROW CAP 401
PT 413	355001.903	1661186.526	83mm ROW CAP 413
PT 1188	347488.977	1654063.138	ROW CAP
PT 3361	347810.215	1654426.987	ROW CAP
PT 3364	347803.135	1654306.843	ROW CAP

NOTE ON COORDINATE SYSTEM:

THE GLOBAL POSITIONING SYSTEM (GPS) SURVEY WAS FIXED HORIZONTALLY TO POINTS 91 AND 8381. THESE POINTS WERE ORIGINALLY TIED TO THE HARN BY THE REGION 5 ALAMOSA RESIDENT ENGINEERS STAFF IN ABOUT 1992. BLUEBOOK QUALITY MONUMENTS WERE NOT SET AT THAT TIME, THUS THE POINTS CAN NOT BE "OFFICIALLY" TIED TO THE HARN.

THE GPS LATITUDE AND LONGITUDE COORDINATES WERE PROJECTED ONTO A USER DEFINED LAMBERT PROJECTION IN TRIMNET TO REACH GROUND SCALE IN U.S. SURVEY FEET. THE FOLLOWING PARAMETERS WERE USED FOR THE PROJECTION:

CENTRAL MERIDIAN = W 160°40'59.000000"
LATITUDE OF ORIGIN = N 37°00'00.000000"
ORIGIN NORTHING = 200000.0000
ORIGIN EASTING = 300000.0000
NORTH STANDARD PARALLEL = N 37°37'44.000000"
SOUTH STANDARD PARALLEL = N 37°37'19.000000"
SCALE ALONG STANDARD PARALLELS = 1.00041392700
(USED AS SCALE FACTOR)

THESE USER COORDINATES WERE THEN ROTATED AND TRANSLATED TO MATCH THE EXISTING COORDINATES IN CDOT COGO.

ROTATION CLOCKWISE = 0°43'31.2" ALONG THE BEARING BETWEEN POINTS 100 AND 91
TRANSLATION: NORTHING = -76436.374
EASTING = +1358355.005

NOTE ON SECTION LINES:

SECTION CORNERS WERE NOT LOCATED ON THIS PROJECT. SECTION LINES AS SHOWN ON SHEETS 1, 3C, AND 12 WERE POSITIONED FROM BEARINGS AND DISTANCES GIVEN ON THE SUPPLEMENTAL PLAT OF TRACT SEGREGATIONS IN SECTIONS 1, 12, 16, 17,19, AND 20, INDEPENDANT RESURVEY T 39 N, R 3 E, N.M.P.M., COLORADO, AND ARE APPROXIMATE ONLY.

C:\961109\92976ROW.DWG 6/16/99

SURVEY CONTROL DIAGRAM

GPS TIES TO PROJECT CONTROL POINTS
SEC 9, 16, 17, AND 20, T49N, R3E,
NEW MEXICO PRINCIPAL MERIDIAN

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	3C	14

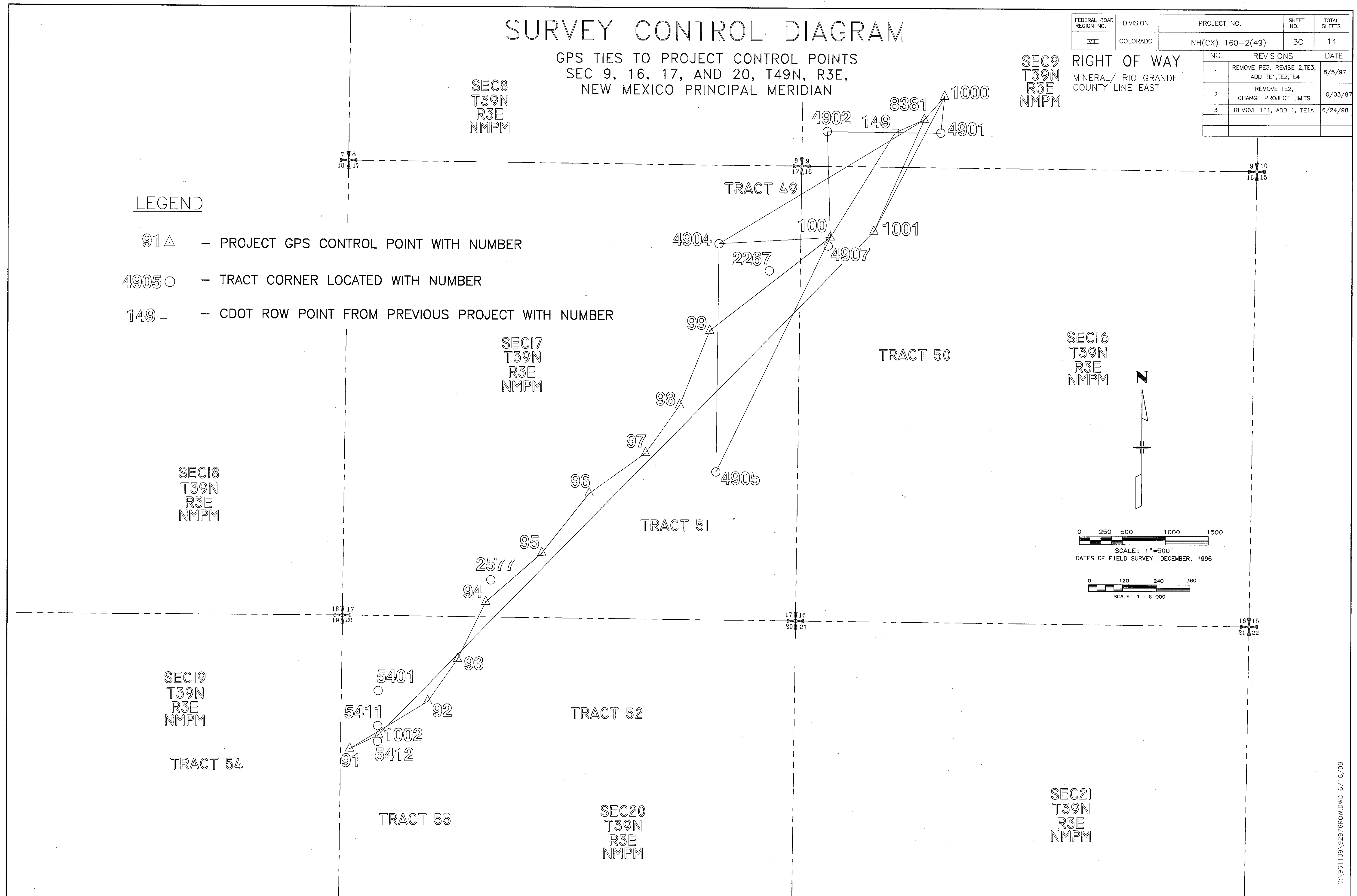
SEC9
T39N
R3E
NMPM

RIGHT OF WAY
MINERAL/ RIO GRANDE
COUNTY LINE EAST

NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	6/24/98

LEGEND

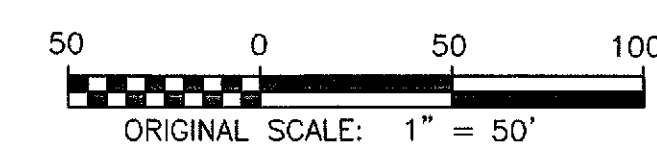
- 91△ - PROJECT GPS CONTROL POINT WITH NUMBER
- 4905○ - TRACT CORNER LOCATED WITH NUMBER
- 149□ - CDOT ROW POINT FROM PREVIOUS PROJECT WITH NUMBER



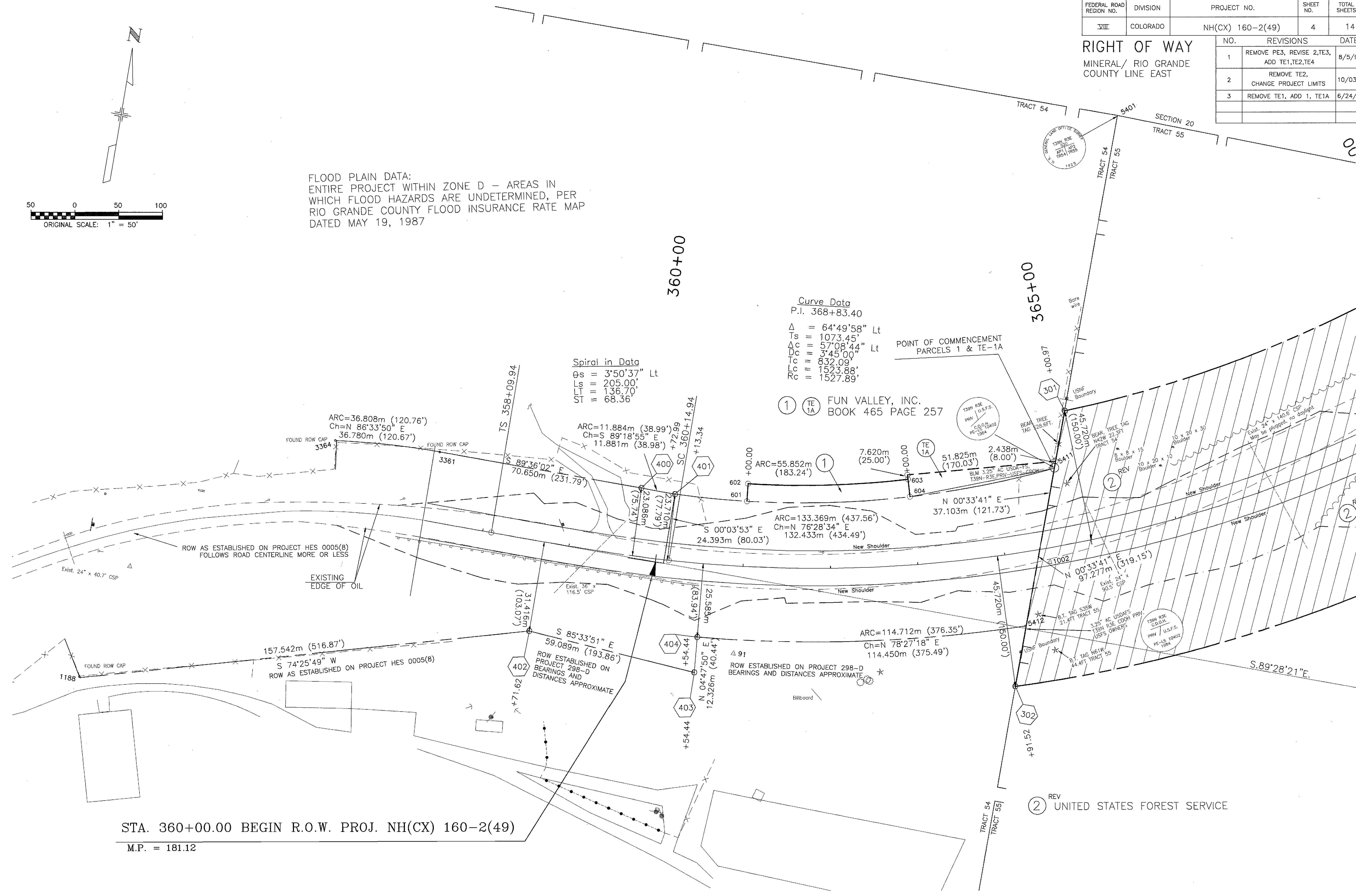
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VIII	COLORADO	NH(CX) 160-2(49)	4	14

RIGHT OF WAY
MINERAL/ RIO GRANDE
COUNTY LINE EAST

NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	6/24/98



FLOOD PLAIN DATA:
ENTIRE PROJECT WITHIN ZONE D - AREAS IN
WHICH FLOOD HAZARDS ARE UNDETERMINED, PER
RIO GRANDE COUNTY FLOOD INSURANCE RATE MAP
DATED MAY 19, 1987

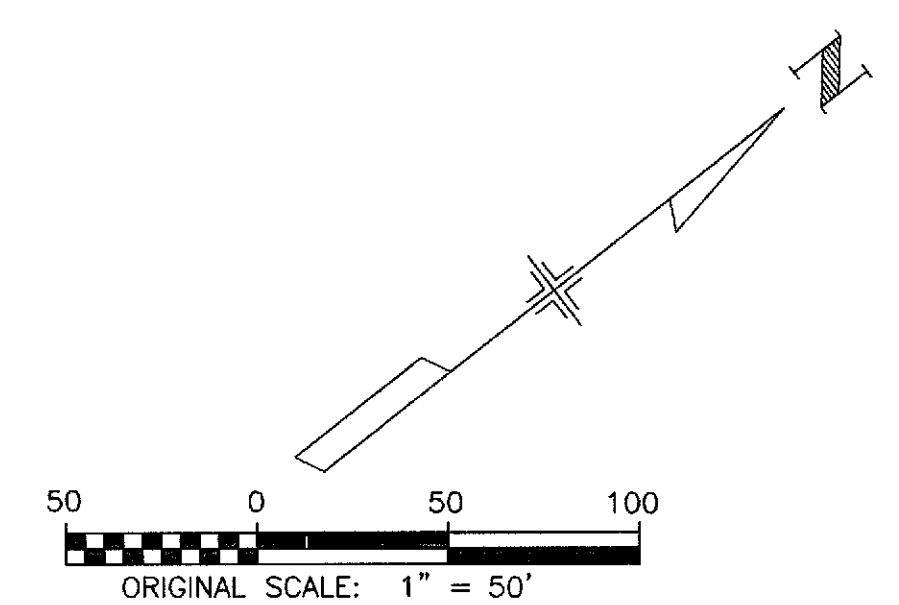


STA. 360+00.00 BEGIN R.O.W. PROJ. NH(CX) 160-2(49)
M.P. = 181.12

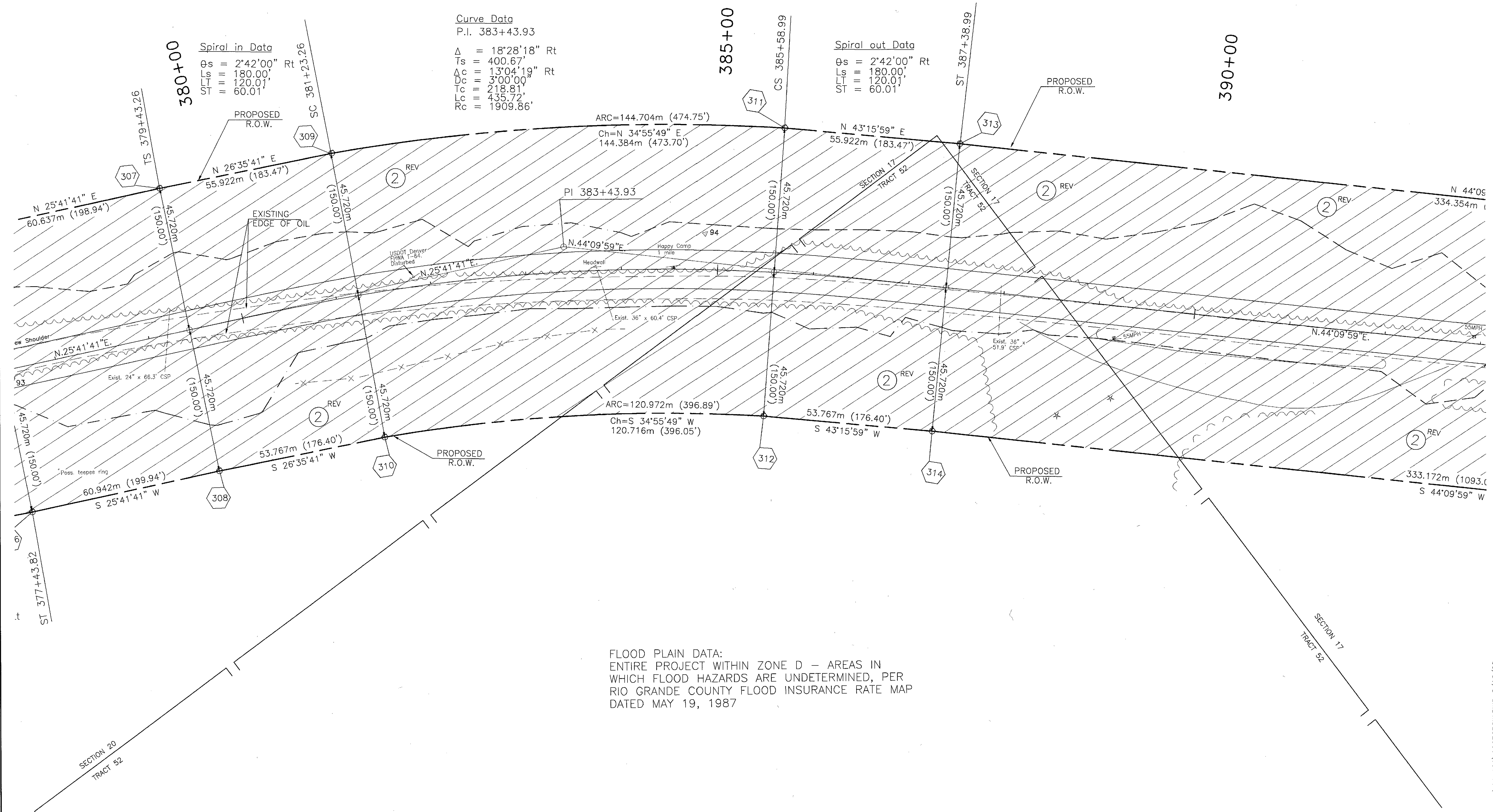
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VIII	COLORADO	NH(CX) 160-2(49)	6	14

RIGHT OF WAY
MINERAL/ RIO GRANDE
COUNTY LINE EAST

NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	6/24/98



② REV UNITED STATES FOREST SERVICE



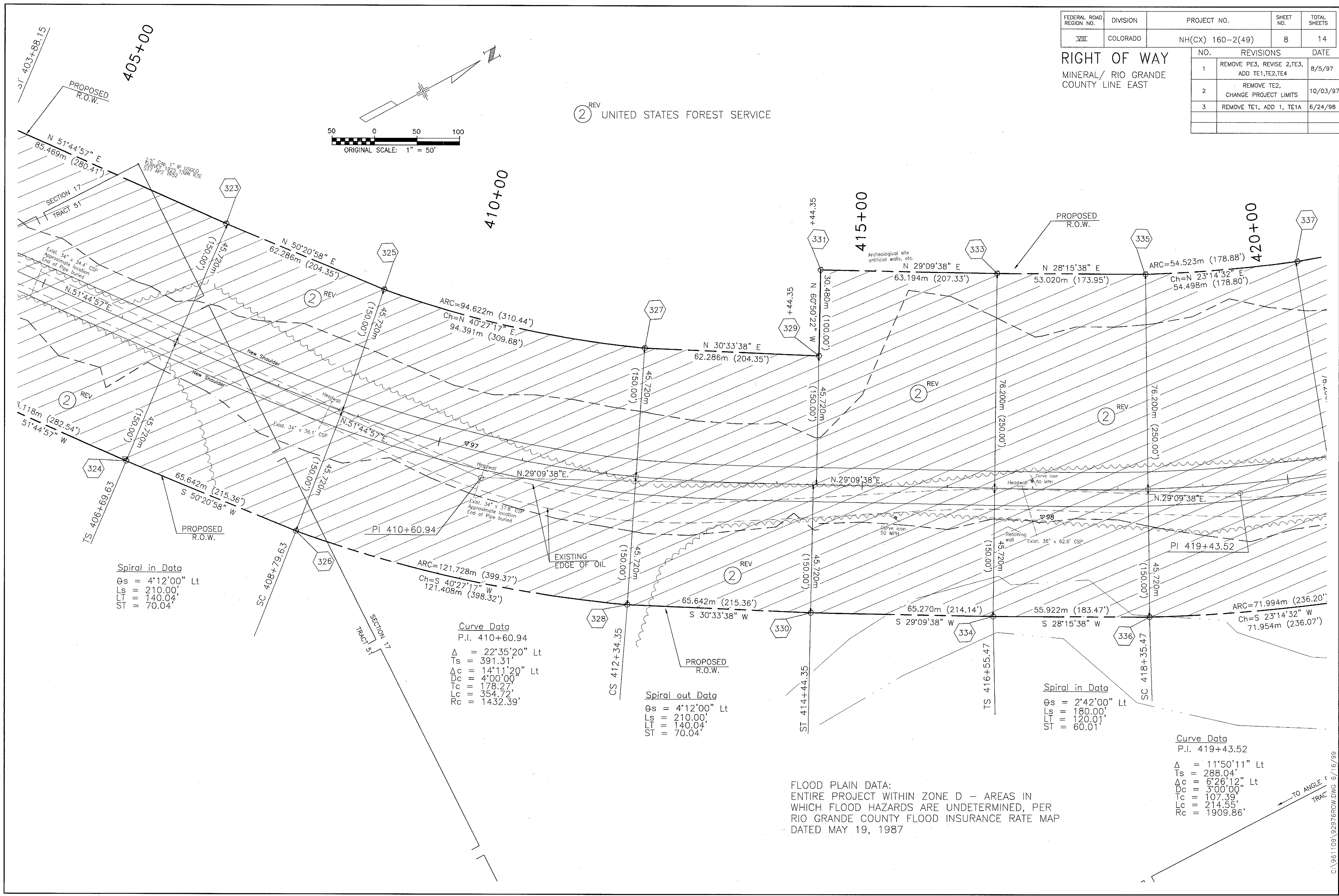
Curve Data
P.I. 383+43.93
Δ = 18°28'18" Rt
Ts = 400.67'
Ac = 13°04'19" Rt
Dc = 3°00'00" Rt
Tc = 218.81'
Lc = 435.72'
Rc = 1909.86'

Spiral out Data
θs = 2°42'00" Rt
Ls = 180.00'
Ts = 120.01'
St = 60.01'

FLOOD PLAIN DATA:
ENTIRE PROJECT WITHIN ZONE D - AREAS IN
WHICH FLOOD HAZARDS ARE UNDETERMINED, PER
RIO GRANDE COUNTY FLOOD INSURANCE RATE MAP
DATED MAY 19, 1987

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	8	14

RIGHT OF WAY		NO.	REVISIONS	DATE
MINERAL/ RIO GRANDE COUNTY LINE EAST		1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
		2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
		3	REMOVE TE1, ADD 1, TE1A	6/24/98



Spiral in Data
θs = 4°12'00" Lt
Ls = 210.00'
LT = 140.04'
ST = 70.04'

Curve Data
P.I. 410+60.94
Δ = 22°35'20" Lt
Ts = 391.31'
Δc = 14°11'20" Lt
Dc = 4°00'00"
Tc = 178.27'
Lc = 354.72'
Rc = 1432.39'

Spiral out Data
θs = 4°12'00" Lt
Ls = 210.00'
LT = 140.04'
ST = 70.04'

Spiral in Data
θs = 2°42'00" Lt
Ls = 180.00'
LT = 120.01'
ST = 60.01'

Curve Data
P.I. 419+43.52
Δ = 11°50'11" Lt
Ts = 288.04'
Δc = 6°26'12" Lt
Dc = 3°00'00"
Tc = 107.39'
Lc = 214.55'
Rc = 1909.86'

FLOOD PLAIN DATA:
ENTIRE PROJECT WITHIN ZONE D – AREAS IN WHICH FLOOD HAZARDS ARE UNDETERMINED, PER RIO GRANDE COUNTY FLOOD INSURANCE RATE MAP DATED MAY 19, 1987

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FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	9	14

NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	6/24/98

RIGHT OF WAY
MINERAL/ RIO GRANDE
COUNTY LINE EAST

② REV UNITED STATES FOREST SERVICE

④ CHASE A. WILSON TRUST (1/2 INTEREST)
BOOK 412 PAGE 3
④ MARY M. WILSON TRUST (1/2 INTEREST)
BOOK 412 PAGE 4

Curve Data
P.I. 428+74.35
 $\Delta = 39^{\circ}47'31''$ Rt
 $T_s = 542.08'$
 $\Delta_c = 29^{\circ}49'01''$ Rt
 $D_c = 4^{\circ}45'00''$ Δ
 $T_c = 321.14'$ Δ
 $L_c = 627.72'$
 $R_c = 1206.23'$ Δ

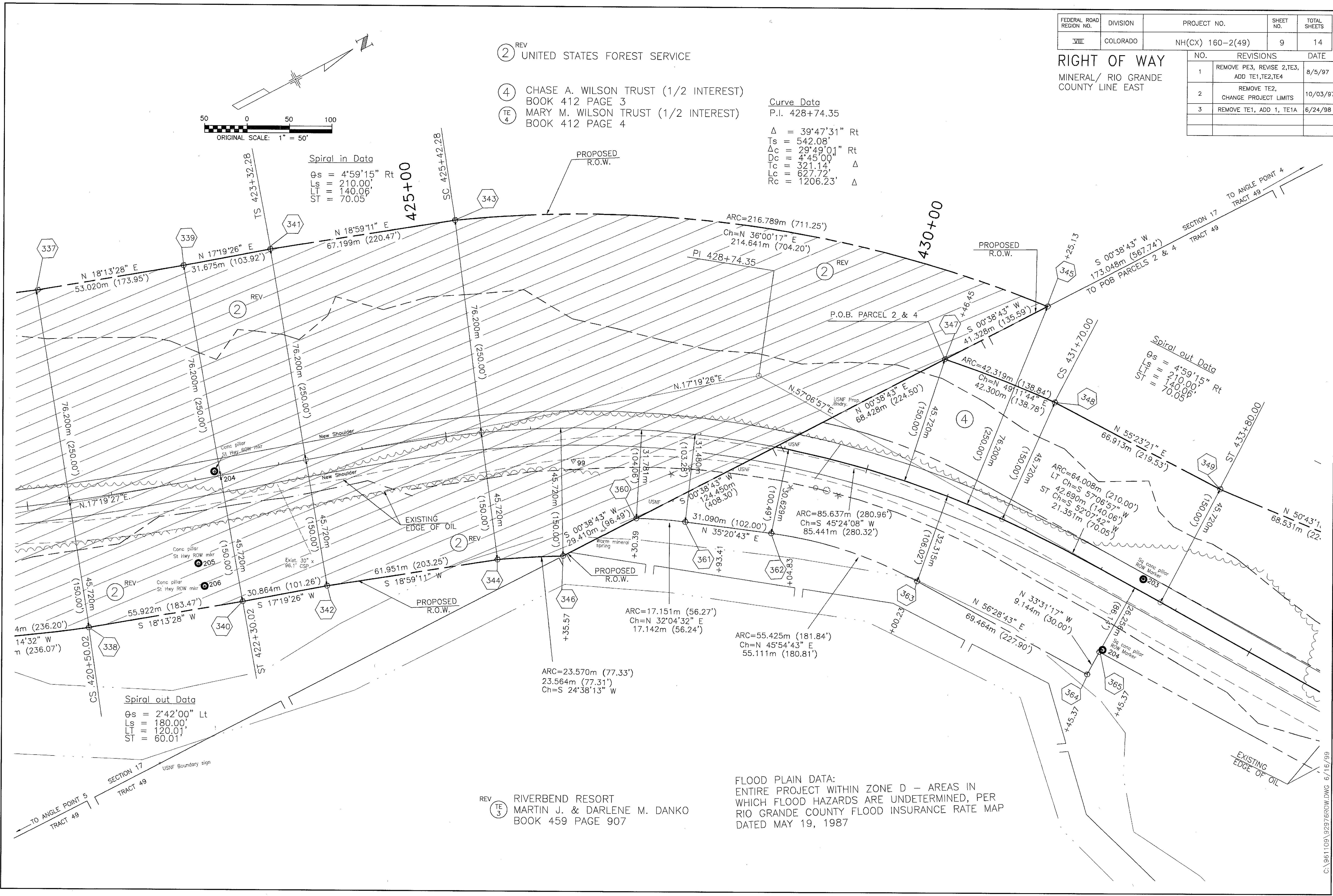
Spiral in Data
 $\theta_s = 4^{\circ}59'15''$ Rt
 $L_s = 210.00'$
 $LT = 140.06'$
 $ST = 70.05'$

Spiral out Data
 $\theta_s = 4^{\circ}59'15''$ Rt
 $L_s = 210.00'$
 $LT = 140.06'$
 $ST = 70.05'$

Spiral out Data
 $\theta_s = 2^{\circ}42'00''$ Lt
 $L_s = 180.00'$
 $LT = 120.01'$
 $ST = 60.01'$

FLOOD PLAIN DATA:
ENTIRE PROJECT WITHIN ZONE D - AREAS IN WHICH FLOOD HAZARDS ARE UNDETERMINED, PER RIO GRANDE COUNTY FLOOD INSURANCE RATE MAP DATED MAY 19, 1987

REV ③ RIVERBEND RESORT
MARTIN J. & DARLENE M. DANKO
BOOK 459 PAGE 907



C:\961101\92676R\ROW.DWG 6/16/99

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	10	14

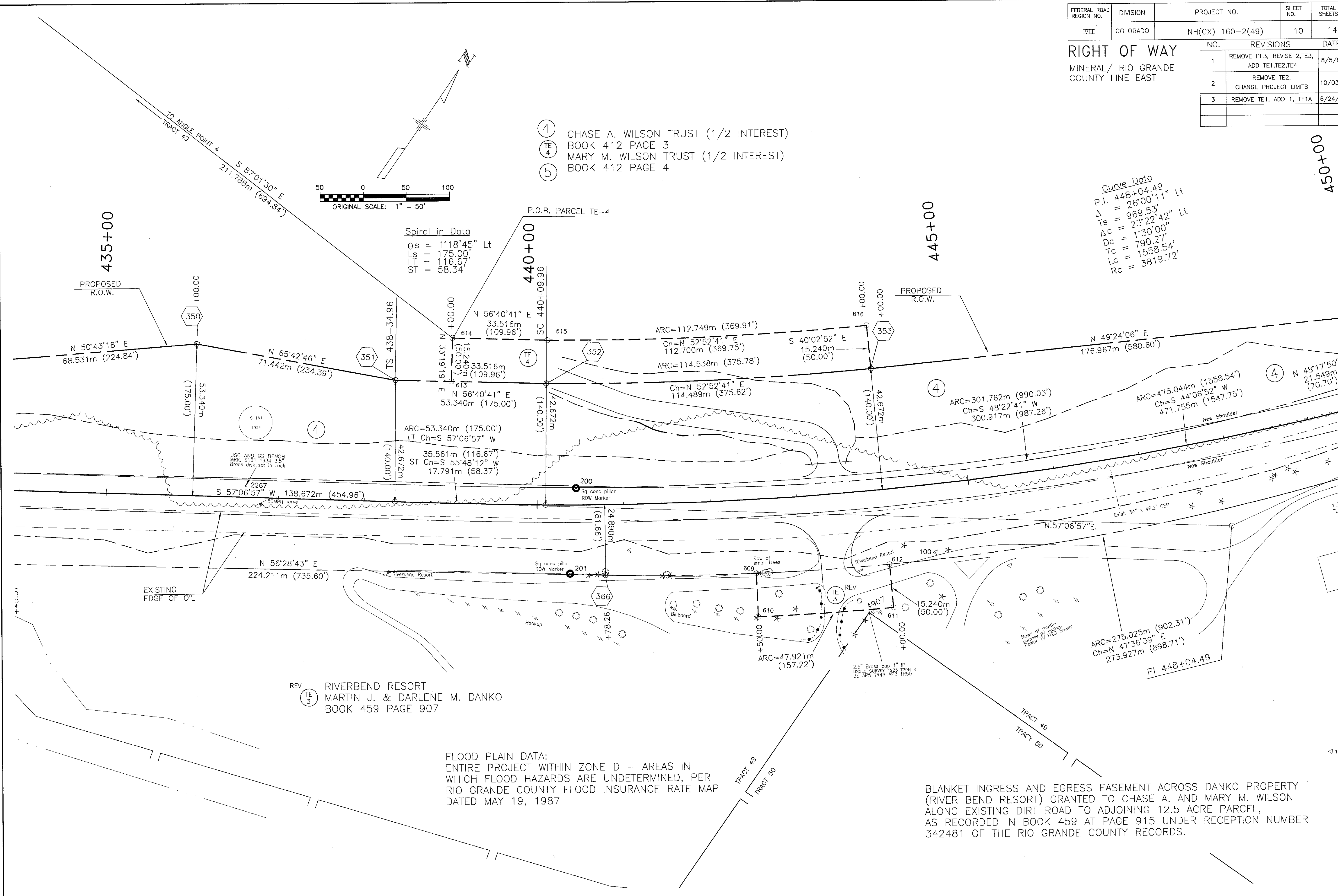
RIGHT OF WAY MINERAL/ RIO GRANDE COUNTY LINE EAST

NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	6/24/98

- ④ CHASE A. WILSON TRUST (1/2 INTEREST)
BOOK 412 PAGE 3
- ④ MARY M. WILSON TRUST (1/2 INTEREST)
BOOK 412 PAGE 4

450+00

Curve Data
P.I. 448+04.49
Δ = 26°00'11" Lt
Δs = 969.53'
Ts = 23°22'42" Lt
Δc = 1°30'00"
Dc = 790.27'
Tc = 1558.54'
Lc = 3819.72'



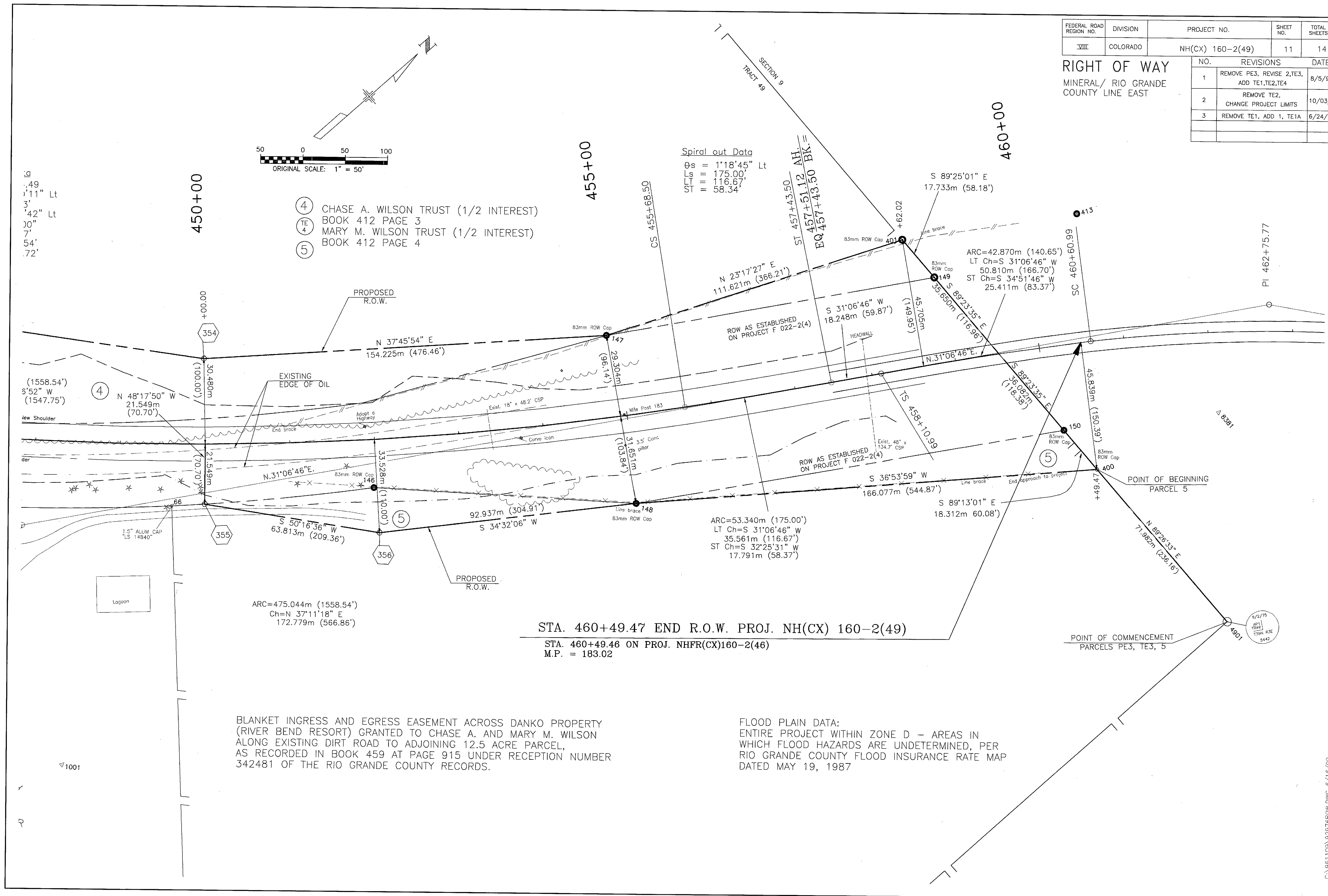
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RIO GRANDE COUNTY FLOOD INSURANCE RATE MAP
DATED MAY 19, 1987

BLANKET INGRESS AND EGRESS EASEMENT ACROSS DANKO PROPERTY
(RIVER BEND RESORT) GRANTED TO CHASE A. AND MARY M. WILSON
ALONG EXISTING DIRT ROAD TO ADJOINING 12.5 ACRE PARCEL,
AS RECORDED IN BOOK 459 AT PAGE 915 UNDER RECEPTION NUMBER
342481 OF THE RIO GRANDE COUNTY RECORDS.

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	11	14

RIGHT OF WAY
MINERAL/ RIO GRANDE
COUNTY LINE EAST

NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	6/24/98



After Randy's
Signs Sheet 3A
CDOT
copy

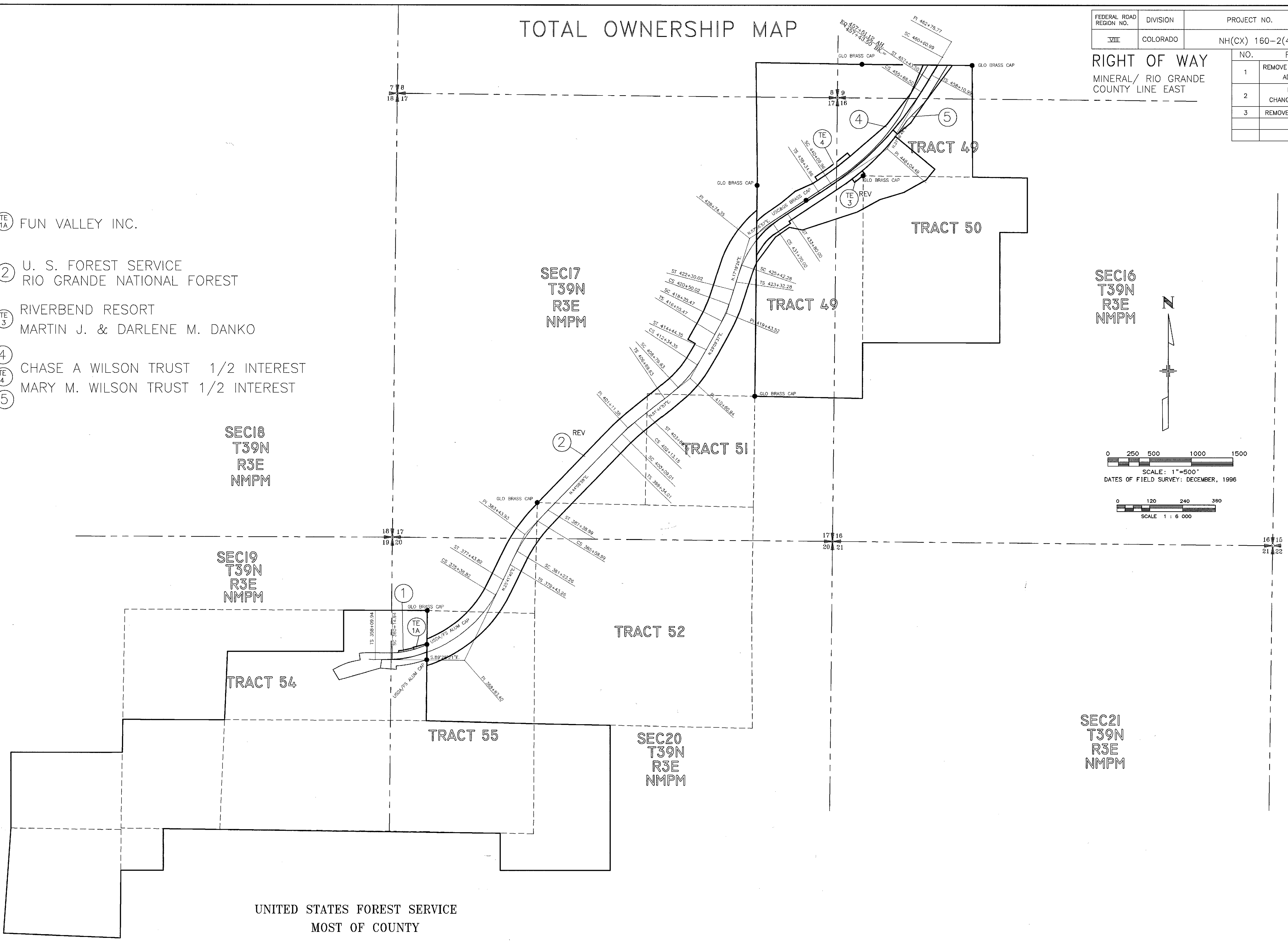
TOTAL OWNERSHIP MAP

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	12	14

NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	6/24/98

RIGHT OF WAY
MINERAL/ RIO GRANDE
COUNTY LINE EAST

- ① TE 1A FUN VALLEY INC.
- REV ② U. S. FOREST SERVICE
RIO GRANDE NATIONAL FOREST
- REV TE 3 RIVERBEND RESORT
MARTIN J. & DARLENE M. DANKO
- ④ CHASE A WILSON TRUST 1/2 INTEREST
- ⑤ MARY M. WILSON TRUST 1/2 INTEREST



CONVENTIONAL SIGNS

County Line _____
 Township or Range Line _____
 Land Lines Section Line 1/4 Section Line 1/16 Section Line
 Property or Tract Line _____
 City Limits _____
 Railroad _____
 Existing Road _____
 New Road _____

Control of Access _____
 Access denied by Deed _____
 Right of Way Line _____
 Protected by Freeway (Virgin Location) _____
 Top of Cuts _____
 Toe of Fills _____
 Barbed Wire Fence _____
 Chain Link Fence _____
 Woven Wire-Combination Fence _____
 Snow Fence _____
 Wood Fence _____
 Deer Fence _____

Trees
 Deciduous _____
 Coniferous _____

Tel. & Teleg. Lines _____
 Electric Lines _____
 Elec. Trans. Tower _____
 Buried Tel. Cable _____
 Buried Electric Cable _____
 Gas Main _____
 Oil Main _____
 Water Main _____
 Sanitary Sewers _____
 Storm Sewers _____

Road Approaches _____

Section Corner _____
 Center of Section _____

Culverts & Drains _____
 Proposed _____
 Existing _____
 Proposed Existing (To be dashed) _____

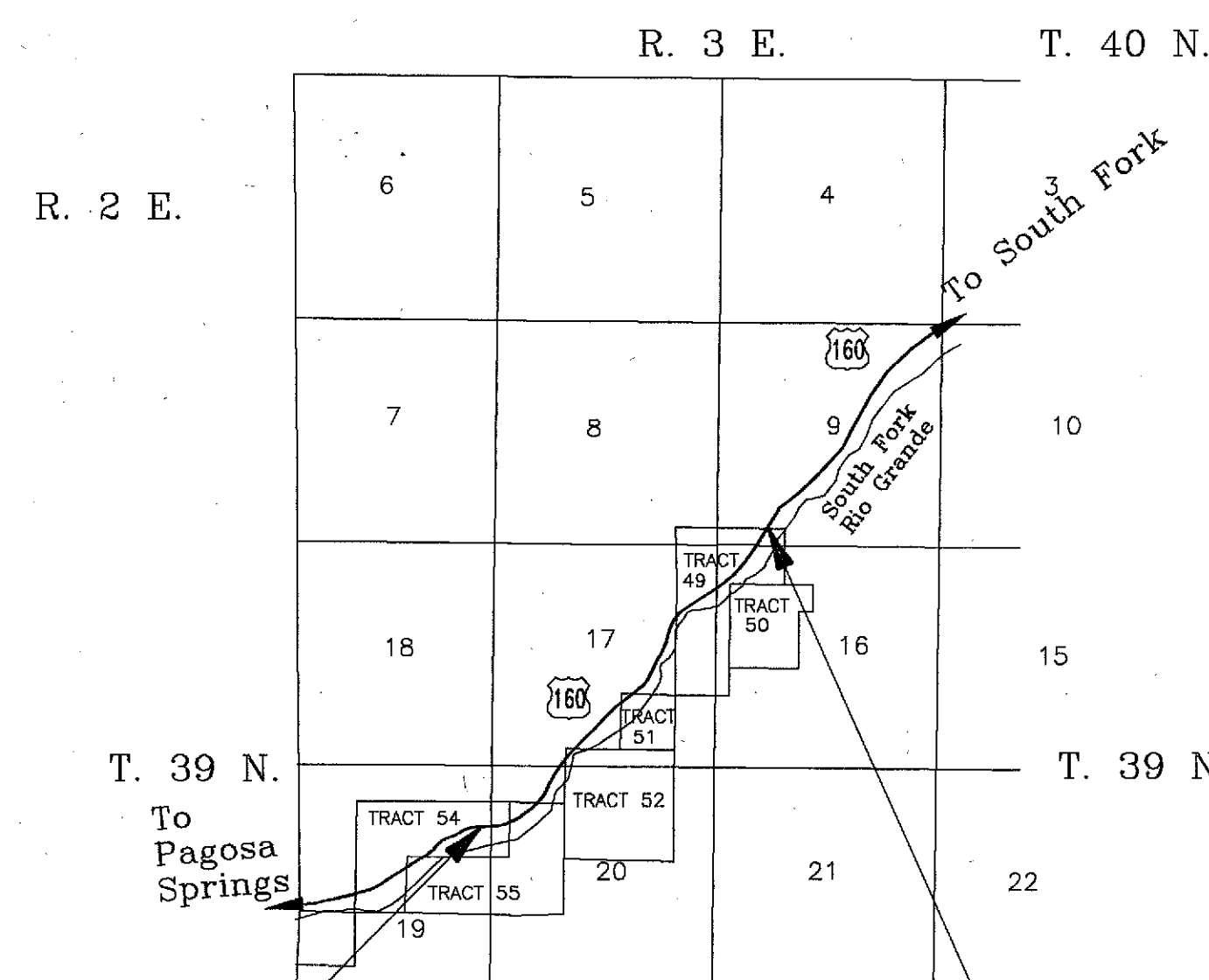
Bridges _____
 Existing (To be dashed) _____

DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

RIGHT OF WAY PLAN OF PROPOSED FEDERAL AID PROJECT NO. NH(CX) 160-2(49) STATE HIGHWAY NO. 160 RIO GRANDE COUNTY

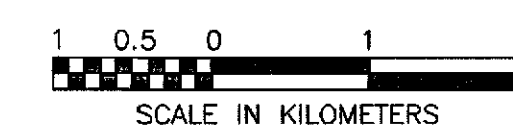
SCALES OF ORIGINAL 22"x34" DRAWINGS

PLAN SHEETS 1 IN. = 50 FT.
 CONTROL AND OWNERSHIP 1 IN. = 500 FT.



STA. 360+00 BEGIN R.O.W. PROJ. NH(CX) 160-2(49)
 M.P. = 181.12

STA. 460+49.47 END R.O.W. PROJ. NH(CX) 160-2(49)
 STA. 460+49.46 ON PROJ. NH(CX) 160-2(146)
 M.P. = 183.02



BASIS OF BEARINGS: THE WEST LINE OF TRACT 49 IN SECTION 17, TOWNSHIP 39 NORTH, RANGE 3 EAST OF THE NEW MEXICO PRINCIPAL MERIDIAN BETWEEN ANGLE POINT 4 (A 64mm GLO BRASS CAP) AND ANGLE POINT 5 (A 64mm GLO BRASS CAP) WAS DETERMINED BY GLOBAL POSITIONING SYSTEM (G.P.S.) SURVEY IN DECEMBER, 1996 TO BE S 00°38'43" W AFTER A CLOCKWISE ROTATION OF 0°43'31.2" TO MATCH THE BEARING BETWEEN POINT 100 (AN 83mm CDOT ALUMINUM CAP MARKED MILEPOST 182.75) AND POINT 91 (AN 83mm CDOT ALUMINUM CAP MARKED MILEPOST 181.16) AS DETERMINED BY A PREVIOUS SURVEY.

Date: 6/10/98
 Subaccount: 92976
 Region: 5

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	1	14

RIGHT OF WAY
 MINERAL/ RIO GRANDE
 COUNTY LINE EAST

NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	6/24/98

INDEX OF SHEETS

SHEET NUMBER	TITLE SHEET
1.	PROPERTY OWNERSHIP TABULATION
3A.-3C.	CONTROL AND MONUMENTATION SHEETS
4.-11.	PLAN SHEETS
12.	OWNERSHIP MAP

DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION

AUTHORIZED _____
 DATE _____

DIVISION ADMINISTRATOR

RIGHT OF WAY MINERAL/ RIO GRANDE COUNTY LINE EAST	NO. REVISIONS DATE		
	1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
	2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
	3	REMOVE TE1, ADD 1, TE1A	6/24/98

CONTROL AND MONUMENTATION SHEET

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	3A	14

RIGHT OF WAY
MINERAL/ RIO GRANDE
COUNTY LINE EAST

NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	6/24/98

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

	NORTHING	EASTING	
PNT 301	347976.412	1655122.863	/LT. STA. 365+00.97
PNT 302	347657.274	1655119.735	/RT. STA. 363+91.52
PNT 303	348575.902	1655814.101	/LT. STA. 375+38.82
PNT 304	348433.833	1656078.414	/RT. STA. 375+38.82
PNT 305	348753.999	1655904.748	/LT. STA. 377+43.82
PNT 306	348620.907	1656173.630	/RT. STA. 377+43.82
PNT 307	348933.271	1655991.004	/LT. STA. 379+43.26
PNT 308	348801.075	1656260.318	/RT. STA. 379+43.26
PNT 309	349097.331	1656073.141	/LT. STA. 381+23.26
PNT 310	348958.811	1656339.288	/RT. STA. 381+23.26
PNT 311	349485.692	1656344.372	/LT. STA. 385+58.99
PNT 312	349283.509	1656566.057	/RT. STA. 385+58.99
PNT 313	349619.291	1656470.121	/LT. STA. 387+38.99
PNT 314	349411.959	1656686.959	/RT. STA. 387+38.99
PNT 315	350406.163	1657234.421	/LT. STA. 398+34.01
PNT 316	350196.045	1657448.553	/RT. STA. 398+34.01
PNT 317	350532.054	1657359.217	/LT. STA. 400+09.01
PNT 318	350318.681	1657570.123	/RT. STA. 400+09.01
PNT 319	350677.960	1657521.021	/LT. STA. 402+13.15
PNT 320	350446.187	1657711.522	/RT. STA. 402+13.15
PNT 321	350789.121	1657659.109	/LT. STA. 402+88.15
PNT 322	350554.474	1657846.039	/RT. STA. 402+88.15
PNT 323	350962.722	1657879.314	/LT. STA. 406+69.63
PNT 324	350729.398	1658067.924	/RT. STA. 406+69.63
PNT 325	351090.714	1658034.026	/LT. STA. 408+79.63
PNT 326	350866.819	1658233.738	/RT. STA. 408+79.63
PNT 327	351328.761	1658237.590	/LT. STA. 412+34.35
PNT 328	351169.905	1658492.184	/RT. STA. 412+34.35
PNT 329	351504.728	1658341.493	/LT. STA. 414+44.35
PNT 330	351355.350	1658601.685	/RT. STA. 414+44.25
PNT 331	351553.454	1658254.168	/LT. STA. 415+00.00
PNT 333	351734.507	1658355.191	/LT. STA. 416+55.47
PNT 334	351542.347	1658706.025	/RT. STA. 416+55.47
PNT 335	351887.725	1658437.554	/LT. STA. 418+35.47
PNT 336	351703.950	1658792.895	/RT. STA. 418+35.47
PNT 337	352052.012	1658508.111	/LT. STA. 420+50.02
PNT 338	351920.861	1658886.052	/RT. STA. 420+50.02
PNT 339	352217.241	1658562.513	/LT. STA. 422+30.02
PNT 340	352095.131	1658943.432	/RT. STA. 422+30.02
PNT 341	352316.448	1658593.458	/LT. STA. 423+32.28
PNT 342	352191.798	1658973.584	/RT. STA. 423+32.28
PNT 343	352524.924	1658665.187	/LT. STA. 425+42.28
PNT 344	352383.995	1659039.712	/RT. STA. 425+42.28
PNT 345	353094.601	1659079.152	/LT. STA. 431+25.13
PNT 346	352454.265	1659071.939	/RT. STA. 426+35.57
PNT 347	352959.016	1659077.625	/LT. STA. 430+46.45
PNT 348	353049.705	1659182.673	/LT. STA. 431+70.00
PNT 349	353174.399	1659363.354	/LT. STA. 433+80.00
PNT 350	353316.740	1659537.395	/LT. STA. 436+00.00
PNT 351	353413.146	1659751.037	/LT. STA. 438+34.96
PNT 352	353509.283	1659897.269	/LT. STA. 440+09.96
PNT 353	353735.973	1660196.772	/LT. STA. 444+00.00
PNT 354	354113.797	1660637.614	/LT. STA. 450+00.00
PNT 355	354002.211	1660766.778	/RT. STA. 450+00.00
PNT 356	354136.007	1660927.803	/RT. STA. 452+00.00
PNT 360	352550.745	1659073.026	/RT. STA. 427+30.39
PNT 361	352599.592	1659103.545	/RT. STA. 427+93.41
PNT 362	352682.792	1659162.552	/RT. STA. 429+04.83
PNT 363	352808.593	1659292.423	/RT. STA. 431+00.23
PNT 364	352934.450	1659482.418	/RT. STA. 433+45.37
PNT 365	352959.460	1659465.851	/RT. STA. 433+45.37
PNT 366	353365.694	1660079.106	/RT. STA. 440+78.26
PNT 400	347808.737	1654660.691	/LT. STA. 359+72.99
PNT 401	347808.271	1654699.672	/LT. STA. 360+86.66
PNT 402	347626.571	1654561.816	/RT. STA. 358+71.62
PNT 403	347611.577	1654755.095	/RT. STA. 360+54.44
PNT 404	347651.873	1654751.713	/RT. STA. 360+54.44

SURVEY CONTROL POINT TABULATION

	NORTHING	EASTING	ELEVATION	
91	347640.168	1654795.630	8503.76	FOUND CDOT TYPE 2 MON WITH 83mm ALUM CAP "PT 91 MILEPOST 181.16"
92	348194.893	1655705.270	8518.89	FOUND CDOT TYPE 2 MON WITH 83mm ALUM CAP "PT 92 MILEPOST 181.36"
93	348689.548	1656053.070	8511.11	FOUND CDOT TYPE 2 MON WITH 83mm ALUM CAP "PT 93 MILEPOST 181.47"
94	349352.549	1656379.560	8483.86	FOUND CDOT TYPE 2 MON WITH 83mm ALUM CAP "PT 94"
95	349924.265	1657033.830	8441.81	FOUND CDOT TYPE 2 MON WITH 83mm ALUM CAP "PT 95 MILEPOST 181.77"
96	350618.814	1657582.910	8461.35	FOUND CDOT TYPE 2 MON WITH 83mm ALUM CAP "PT 96 MILEPOST 181.98"
97	351092.464	1658237.770	8426.72	FOUND CDOT TYPE 2 MON WITH 83mm ALUM CAP "PT 97 MILEPOST"
98	351648.336	1658630.090	8414.81	FOUND CDOT TYPE 2 MON WITH 83mm ALUM CAP "PT 93 MILEPOST 182.23"
99	352516.867	1658979.040	8400.36	FOUND CDOT TYPE 2 MON WITH 83mm ALUM CAP "PT 99 MILEPOST 182.41"
100	353604.203	1660378.710	8366.64	FOUND CDOT TYPE 2 MON WITH 83mm ALUM CAP "PT 100 MILEPOST 182.75"
149	354826.226	1661132.387	8389.46*	FOUND CDOT TYPE 2 MON WITH 83mm ALUM CAP "NO 149 PROJ NO 160-246"
1000	349191.573	1656634.650	8451.65	SET HUB AND TACK
1001	348290.098	1656424.010	8454.02	SET HUB AND TACK
1002	347803.798	1655134.250	8513.9*	SET HUB AND TACK
4904	353526.718	1659084.020	8569.7*	FOUND 64mm GLO BRASS CAP "T39N R3E S17 TR49 AP4"
4905	350875.787	1659054.158	8413.0*	FOUND 64mm GLO BRASS CAP "T39N R3E S17 TR49 AP5 TR51 AP1 1925"
8381	354974.902	1661471.925	8381.0*	FOUND CDOT TYPE 2 MON WITH 83mm ALUM CAP "CDOT CONTROL MON ST HWY MP"

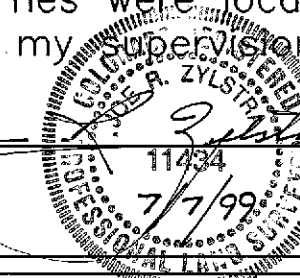
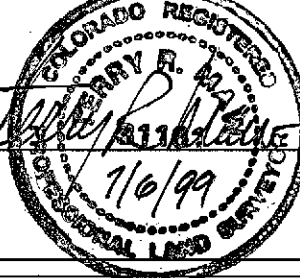
NOTE: COORDINATES ARE CARRIED OUT TO THREE PLACES DECIMAL FOR CALCULATION PURPOSES.

GENERAL NOTES

- This Right of Way plan is not a complete boundary survey of all adjoining owners and is prepared for Colorado Department of Transportation purposes only.
- Utility easements and other miscellaneous Right of Ways and easements located outside of S.H. 160 corridor ARE NOT SHOWN.
- Field survey control precision computed to exceed 1:20000.
- 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.
- All centerline and offset stationing is theoretical only and may not represent the centerline as constructed in the field.
- All coordinates listed are PROJECT COORDINATES ONLY.

QUANTITY OF MONUMENTS TO BE SET

CAP TYPE	MONUMENT TYPE								
	1	1A	2	2A	3	3A	4	5	6
REFERENCE									
RIGHT OF WAY	67								
CONTROL									
ALIQUOT CORNER									
PER/EASEMENT									

CDOT SURVEYOR'S STATEMENT (FIELD)	
Original Control Survey and TMOSS Survey were performed under my supervision and checking.	
NAME 	PLS NO 29431 COLORADO
DATE	
CONSULTANT SURVEYOR'S STATEMENT	
Section Corner Ties were located and R.O.W. Plans and legal descriptions were prepared under my supervision and checking.	
NAME 	PLS NO 11434 COLORADO
DATE	
CONTRACT SURVEYOR'S STATEMENT (FIELD)	
Right of Way Monumentation was done under my supervision and checking.	
NAME 	PLS NO 31161 COLORADO
DATE	

C:\961109\92976ROW.DWG 6/16/99

CONTROL AND MONUMENTATION SHEET

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	3B	14

RIGHT OF WAY
MINERAL/ RIO GRANDE
COUNTY LINE EAST

NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	6/24/98

TEMPORARY EASEMENT POINT TABULATION

PT #	NORTHING	EASTING
601	347814.033	1654781.990
602	347833.916	1654779.830
603	347869.524	1654959.337
604	347850.322	1654964.930
609	353466.264	1660221.488
610	353426.305	1660251.543
611	353524.096	1660374.626
612	353562.408	1660342.496
613	353448.877	1659805.387
614	353490.657	1659777.919
615	353551.063	1659869.801
616	353774.248	1660164.601

TABULATION OF LAND CORNERS

2267	353214.426	1659677.397	FOUND 89mm USC & GS BRASS DISK SET IN ROCK "S 161 1934"
2577	350904.068	1657770.226	FOUND 64mm GLO BRASS CAP ON 25mm NON-GALVANIZED PIPE "USGLO SURVEY 1925 T39N R3E S17 AP2 TR52"
4901	354820.736	1661663.895	FOUND 64mm GLO BRASS CAP ON 25mm NON-GALVANIZED PIPE "9/2/75 AP1 TR49 T39N R3E 5442"
4902	354834.295	1660339.138	FOUND 64mm GLO BRASS CAP ON 25mm NON-GALVANIZED PIPE "T39N R3E S9 TR49 AP2 1925"
4904	353526.718	1659084.020	FOUND 64mm GLO BRASS CAP "T39N R3E S17 TR49 AP4"
4905	350875.787	1659054.158	FOUND 64mm GLO BRASS CAP "T39N R3E S17 TR49 AP5 TR51 AP1 1925"
4907	353503.128	1660354.802	FOUND 64mm GLO BRASS CAP ON 25mm IRON PIPE "USGLO SURVEY 1925 T39N R3E AP5 TR49 AP2 TR50"
5401	348317.625	1655126.207	FOUND 64mm GLO BRASS CAP ON 25mm PIPE "T39N R3E S20 AP1 TR54 AP2 TR55"
5411	347910.391	1655122.216	FOUND 83mm USDA/FS ALUM CAP ON 51mm ALUM PIPE "T39N R3E PRIV U.S.F.S. C.D.O.H. PE-LS 10402 1984"
5412	347727.022	1655119.603	FOUND 83mm USDA/FS ALUM CAP ON 51mm ALUM PIPE "T39N R3E C.D.O.H. PRIV U.S.F.S. LS 10402 1984"

FOUND ROW POINT TABULATION

	NORTHING	EASTING	
PT 146	354165.868	1660883.481	83mm ROW CAP 146
PT 147	354490.371	1660929.498	83mm ROW CAP 147
PT 148	354387.098	1661100.696	83mm ROW CAP 148
PT 149	354826.226	1661132.387	83mm ROW CAP 149
PT 150	354823.733	1661367.734	83mm ROW CAP 150
PT 200	353429.135	1659993.891	1.067m CONCRETE PILLAR ROW MARKER
PT 201	353343.908	1660044.279	1.067m CONCRETE PILLAR ROW MARKER
PT 202	352963.909	1659465.522	1.067m CONCRETE PILLAR ROW MARKER
PT 203	353045.149	1659414.318	1.067m CONCRETE PILLAR ROW MARKER
PT 204	352136.679	1658792.957	1.067m CONCRETE PILLAR ROW MARKER
PT 205	352069.854	1658879.347	1.067m CONCRETE PILLAR ROW MARKER
PT 206	352063.917	1658906.614	1.067m CONCRETE PILLAR ROW MARKER
PT 207	350694.436	1657698.805	1.067m CONCRETE PILLAR ROW MARKER
PT 208	350613.700	1657756.930	1.067m CONCRETE PILLAR ROW MARKER
PT 209	348601.879	1655937.145	1.067m CONCRETE PILLAR ROW MARKER
PT 210	348558.606	1656041.135	1.067m CONCRETE PILLAR ROW MARKER
PT 400	354822.912	1661427.808	83mm ROW CAP 400
PT 401	354826.818	1661074.210	83mm ROW CAP 401
PT 413	355001.903	1661186.526	83mm ROW CAP 413
PT 1188	347488.977	1654063.138	ROW CAP
PT 3361	347810.215	1654426.987	ROW CAP
PT 3364	347803.135	1654306.843	ROW CAP

NOTE ON COORDINATE SYSTEM:

THE GLOBAL POSITIONING SYSTEM (GPS) SURVEY WAS FIXED HORIZONTALLY TO POINTS 91 AND 8381. THESE POINTS WERE ORIGINALLY TIED TO THE HARN BY THE REGION 5 ALAMOSA RESIDENT ENGINEERS STAFF IN ABOUT 1992. BLUEBOOK QUALITY MONUMENTS WERE NOT SET AT THAT TIME, THUS THE POINTS CAN NOT BE "OFFICIALLY" TIED TO THE HARN.

THE GPS LATITUDE AND LONGITUDE COORDINATES WERE PROJECTED ONTO A USER DEFINED LAMBERT PROJECTION IN TRIMNET TO REACH GROUND SCALE IN U.S. SURVEY FEET. THE FOLLOWING PARAMETERS WERE USED FOR THE PROJECTION:

CENTRAL MERIDIAN = W 160°40'59.000000"
LATITUDE OF ORIGIN = N 37°00'00.000000"
ORIGIN NORTHING = 200000.0000
ORIGIN EASTING = 300000.0000
NORTH STANDARD PARALLEL = N 37°37'44.000000"
SOUTH STANDARD PARALLEL = N 37°37'19.000000"
SCALE ALONG STANDARD PARALLELS = 1.00041392700
(USED AS SCALE FACTOR)

THESE USER COORDINATES WERE THEN ROTATED AND TRANSLATED TO MATCH THE EXISTING COORDINATES IN CDOT COGO.

ROTATION CLOCKWISE = 0°43'31.2" ALONG THE BEARING BETWEEN POINTS 100 AND 91
TRANSLATION: NORTHING = -76436.374
EASTING = +1358355.005

NOTE ON SECTION LINES:

SECTION CORNERS WERE NOT LOCATED ON THIS PROJECT. SECTION LINES AS SHOWN ON SHEETS 1, 3C, AND 12 WERE POSITIONED FROM BEARINGS AND DISTANCES GIVEN ON THE SUPPLEMENTAL PLAT OF TRACT SEGREGATIONS IN SECTIONS 1, 12, 16, 17,19, AND 20, INDEPENDANT RESURVEY T 39 N, R 3 E, N.M.P.M., COLORADO, AND ARE APPROXIMATE ONLY.

C:\961109\9297650W.DWG 6/16/99

SURVEY CONTROL DIAGRAM

GPS TIES TO PROJECT CONTROL POINTS
SEC 9, 16, 17, AND 20, T49N, R3E,
NEW MEXICO PRINCIPAL MERIDIAN

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	3C	14

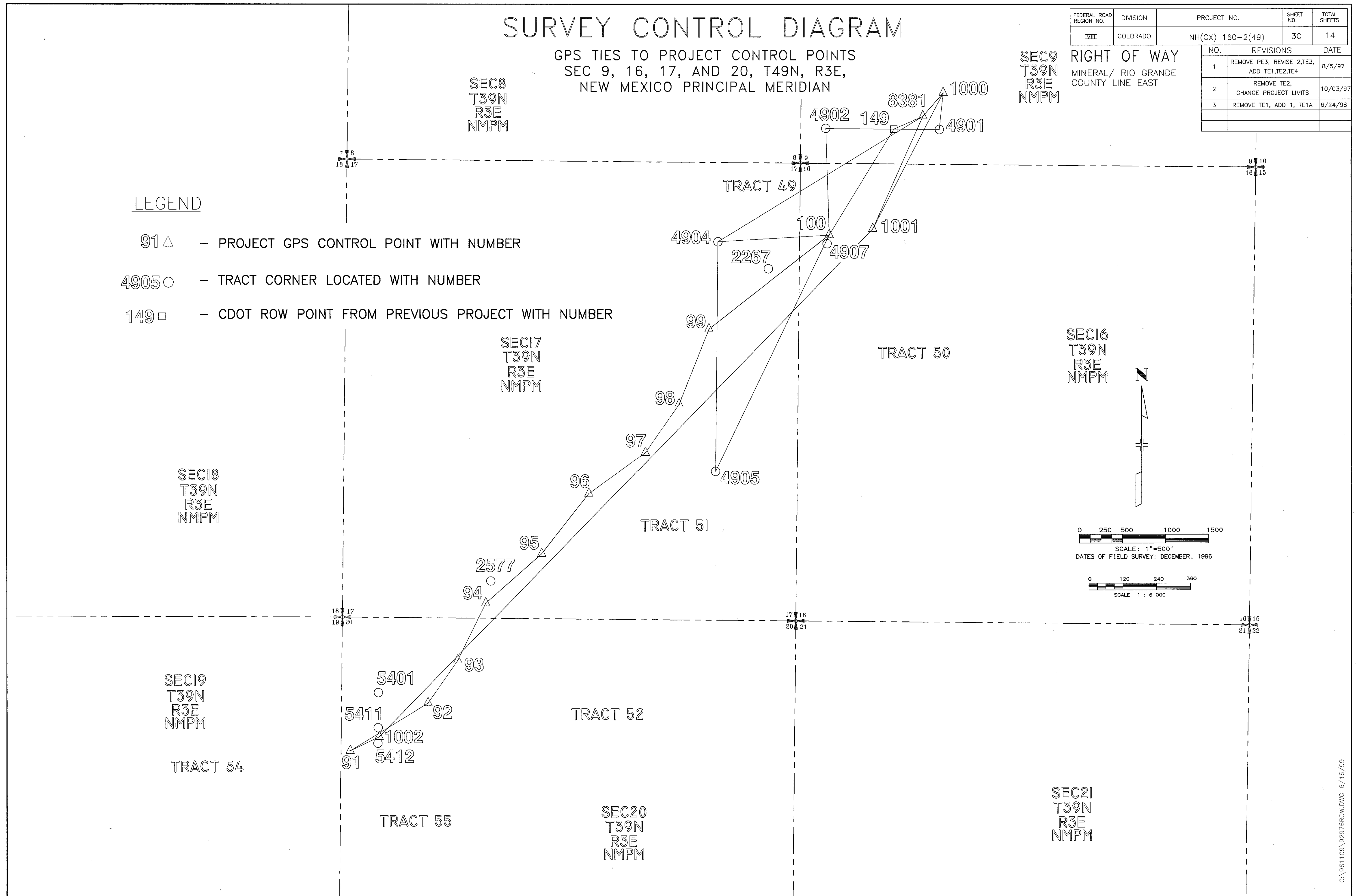
NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	6/24/98

SEC9
T39N
R3E
NMPM

RIGHT OF WAY
MINERAL/ RIO GRANDE
COUNTY LINE EAST

LEGEND

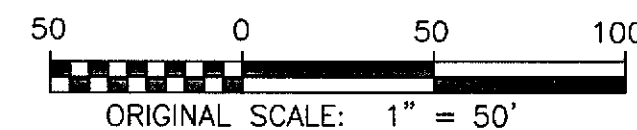
- 91△ - PROJECT GPS CONTROL POINT WITH NUMBER
- 4905○ - TRACT CORNER LOCATED WITH NUMBER
- 149□ - CDOT ROW POINT FROM PREVIOUS PROJECT WITH NUMBER



FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	4	14

RIGHT OF WAY
MINERAL/ RIO GRANDE
COUNTY LINE EAST

NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	6/24/98



FLOOD PLAIN DATA:
ENTIRE PROJECT WITHIN ZONE D - AREAS IN WHICH FLOOD HAZARDS ARE UNDETERMINED, PER RIO GRANDE COUNTY FLOOD INSURANCE RATE MAP DATED MAY 19, 1987

360+00

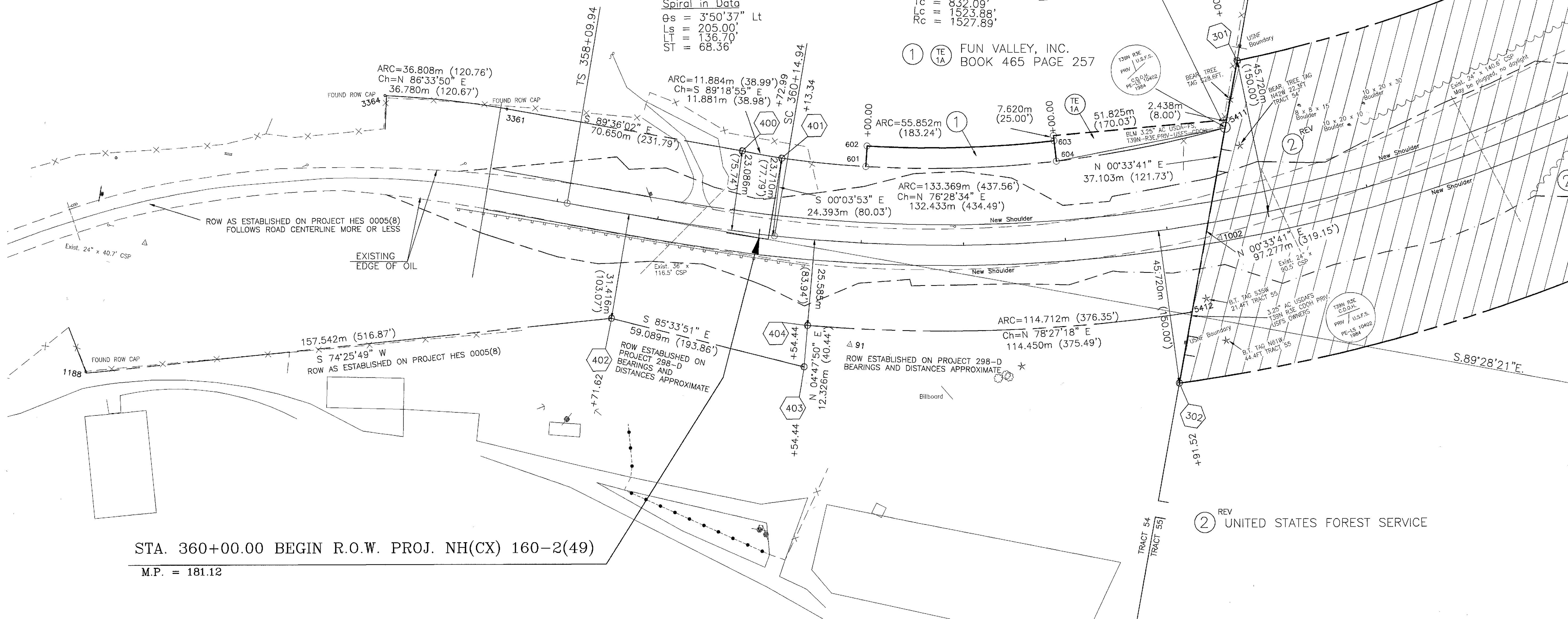
Curve Data
P.I. 368+83.40

$\Delta = 64^{\circ}49'58''$ Lt
Ts = 1073.45'
 $\Delta c = 57^{\circ}08'44''$ Lt
Dc = 345.00'
Tc = 832.09'
Lc = 1523.88'
Pc = 1527.89'

Spiral in Data
Gs = 3'50'37" Lt
Ls = 205.00'
LT = 136.70'
ST = 68.36'

POINT OF COMMENCEMENT
PARCELS 1 & TE-1A

① ①A FUN VALLEY, INC.
BOOK 465 PAGE 257



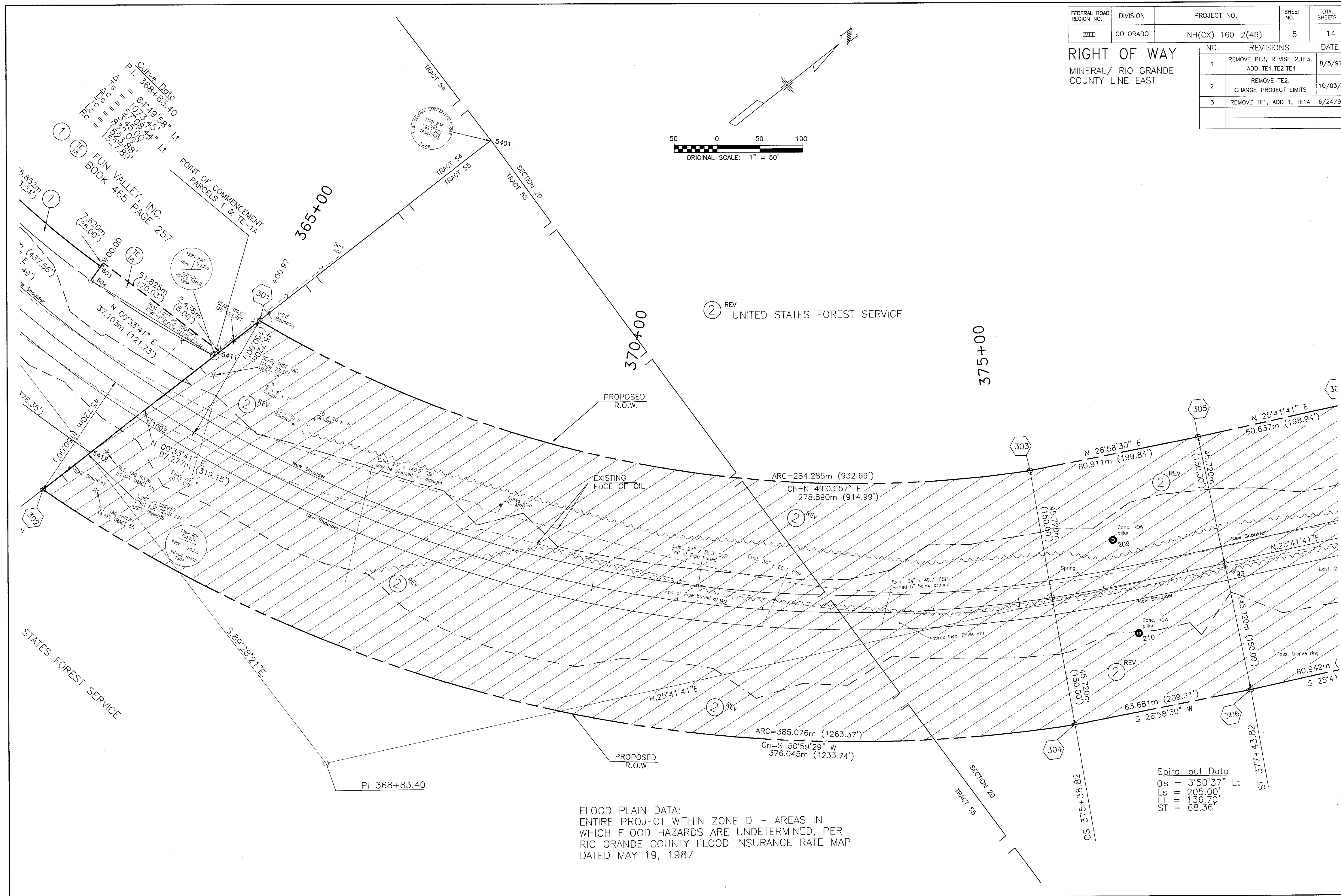
STA. 360+00.00 BEGIN R.O.W. PROJ. NH(CX) 160-2(49)
M.P. = 181.12

② REV UNITED STATES FOREST SERVICE

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	5	14

RIGHT OF WAY
MINERAL/ RIO GRANDE
COUNTY LINE EAST

NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	6/24/98



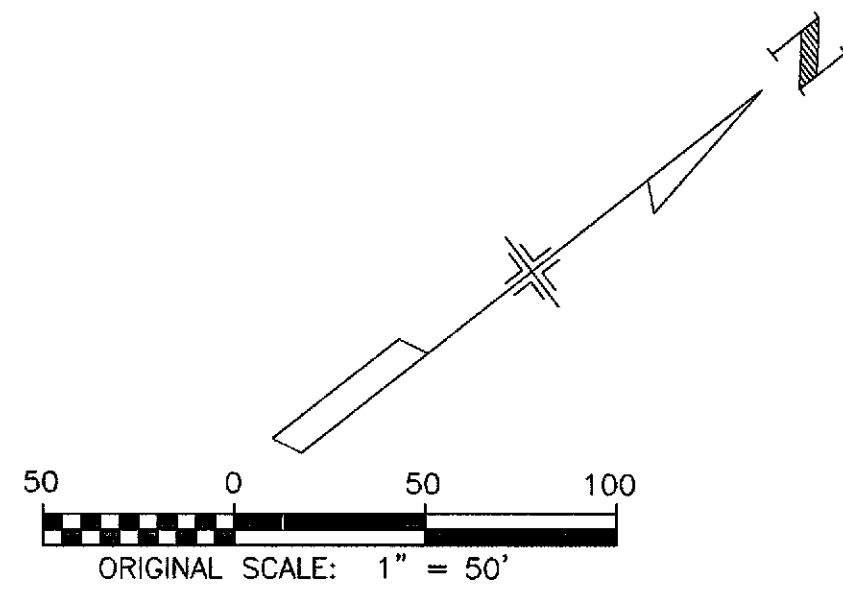
FLOOD PLAIN DATA:
ENTIRE PROJECT WITHIN ZONE D - AREAS IN
WHICH FLOOD HAZARDS ARE UNDETERMINED, PER
RIO GRANDE COUNTY FLOOD INSURANCE RATE MAP
DATED MAY 19, 1987

Spiral out Data
 $\theta_s = 3'50'37"$ Lt
 $L_s = 205.00'$
 $ST = 136.70'$
 $ST = 68.36'$

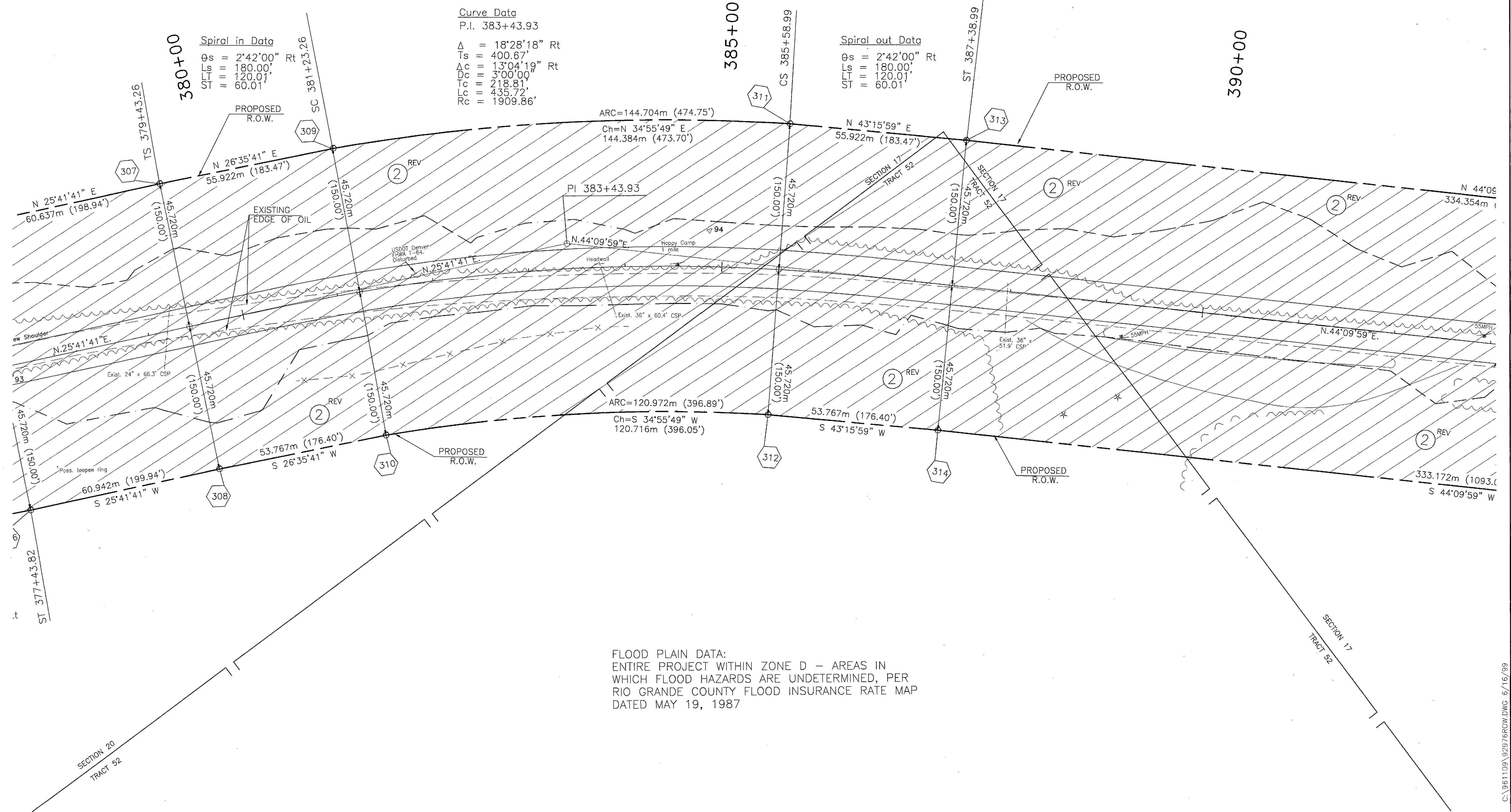
FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	6	14

RIGHT OF WAY
MINERAL/ RIO GRANDE
COUNTY LINE EAST

NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	6/24/98



② REV UNITED STATES FOREST SERVICE

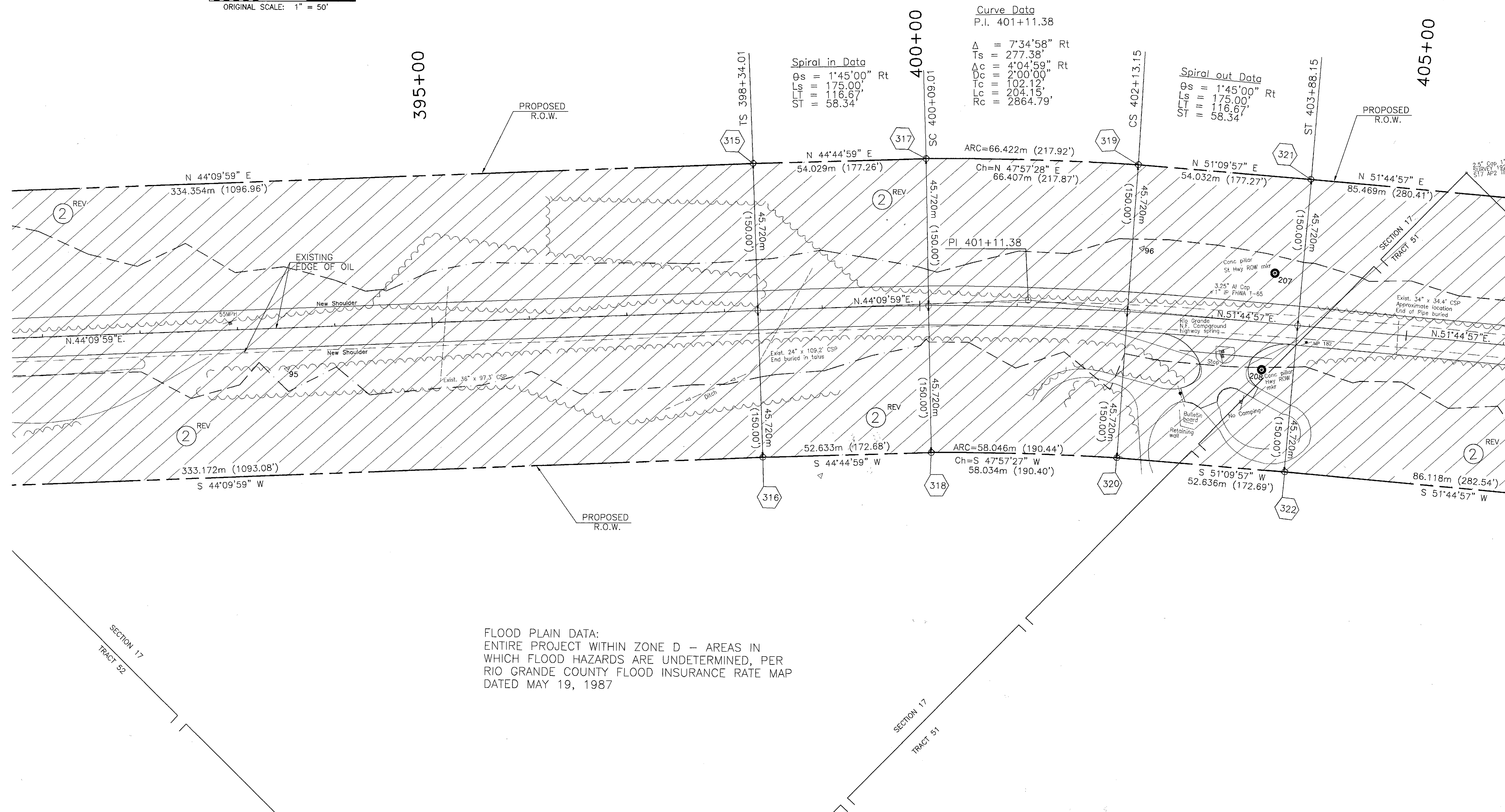
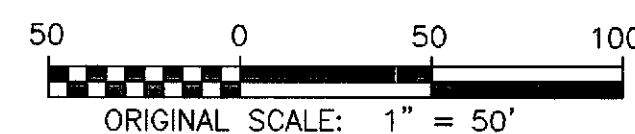


FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	7	14

RIGHT OF WAY
MINERAL/ RIO GRANDE
COUNTY LINE EAST

NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	6/24/98

② REV UNITED STATES FOREST SERVICE

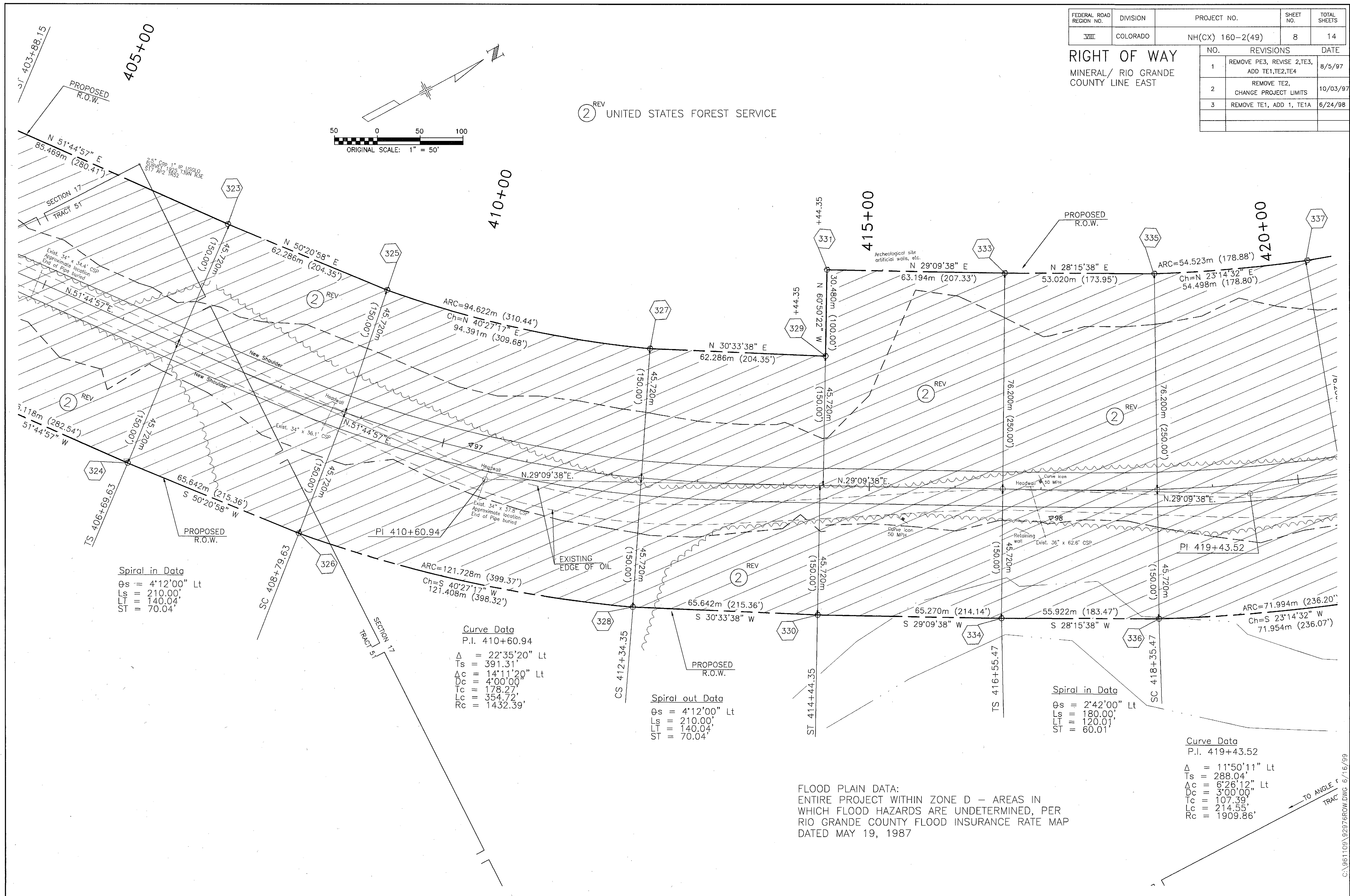


FLOOD PLAIN DATA:
ENTIRE PROJECT WITHIN ZONE D - AREAS IN
WHICH FLOOD HAZARDS ARE UNDETERMINED, PER
RIO GRANDE COUNTY FLOOD INSURANCE RATE MAP
DATED MAY 19, 1987

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	8	14

RIGHT OF WAY
MINERAL/ RIO GRANDE
COUNTY LINE EAST

NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	6/24/98



FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	9	14

RIGHT OF WAY
MINERAL/ RIO GRANDE
COUNTY LINE EAST

NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	6/24/98

② REV UNITED STATES FOREST SERVICE

④ CHASE A. WILSON TRUST (1/2 INTEREST)
BOOK 412 PAGE 3
④ MARY M. WILSON TRUST (1/2 INTEREST)
BOOK 412 PAGE 4

Curve Data
P.I. 428+74.35

$\Delta = 39^{\circ}47'31''$ Rt
 $T_s = 542.08'$
 $\Delta c = 29^{\circ}49'01''$ Rt
 $D_c = 4^{\circ}45'00''$ Δ
 $T_c = 321.14'$ Δ
 $L_c = 627.72'$ Δ
 $R_c = 1206.23'$ Δ

Spiral in Data

$\theta_s = 4^{\circ}59'15''$ Rt
 $L_s = 210.00'$
 $LT = 140.06'$
 $ST = 70.05'$

Spiral out Data

$\theta_s = 4^{\circ}59'15''$ Rt
 $L_s = 210.00'$
 $LT = 140.06'$
 $ST = 70.05'$

FLOOD PLAIN DATA:
ENTIRE PROJECT WITHIN ZONE D - AREAS IN WHICH FLOOD HAZARDS ARE UNDETERMINED, PER RIO GRANDE COUNTY FLOOD INSURANCE RATE MAP DATED MAY 19, 1987

REV ③ RIVERBEND RESORT
MARTIN J. & DARLENE M. DANKO
BOOK 459 PAGE 907

C:\961109\92976ROW.DWG 6/16/99

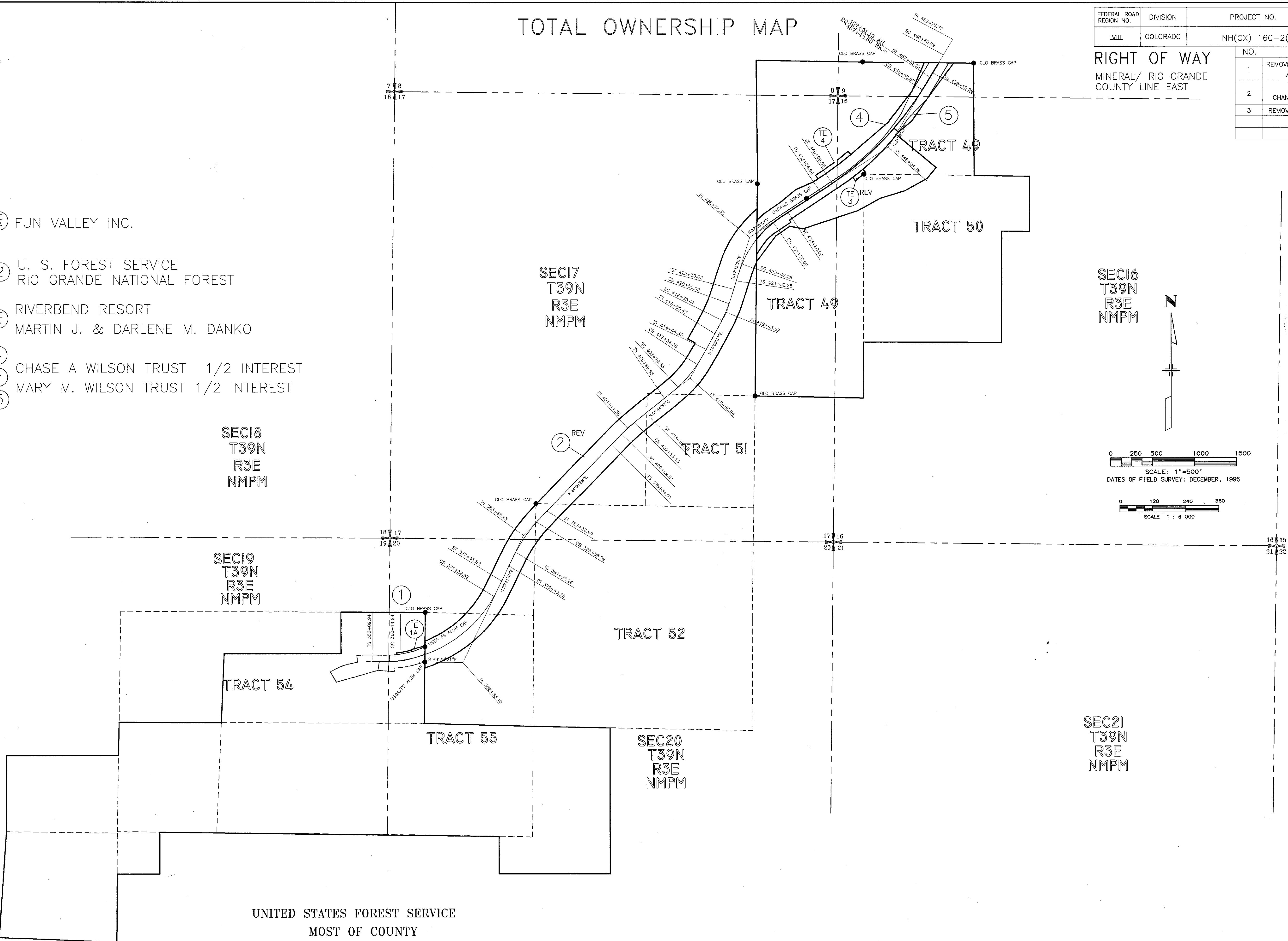
TOTAL OWNERSHIP MAP

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	12	14

RIGHT OF WAY
MINERAL/ RIO GRANDE
COUNTY LINE EAST

NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	6/24/98

- ① ①A FUN VALLEY INC.
- REV ② U. S. FOREST SERVICE
RIO GRANDE NATIONAL FOREST
- REV ③ RIVERBEND RESORT
MARTIN J. & DARLENE M. DANKO
- ④ CHASE A WILSON TRUST 1/2 INTEREST
④ MARY M. WILSON TRUST 1/2 INTEREST





COLORADO
Department of
Transportation

DOCUMENT SEPARATOR SHEET

REGION 5 – JUNE 2017 CONVERSION

To be placed at the beginning of each separator sheet.



r500001968

Description:

ROW Plans 11X17

Route # and Mile Points:

US 160

Originating Office:

ROW/Survey

File Name:

NH(CX)160-2(49)_ROW(.PDF)

Box Location:

31 of 38

CONVENTIONAL SIGNS

County Line
Township or Range Line
Land Lines Section Line 1/4 Section Line 1/16 Section Line
Property or Tract Line
City Limits
Railroad
Existing Road
New Road

Control of Access
Access denied by Deed
Right of Way Line
Protected by Freeway (High Location)
Top of Cuts
Toe of Fills
Barbed Wire Fence
Chain Link Fence
Woven Wire-Combination Fence
Snow Fence
Wood Fence
Deer Fence

Trees
Deciduous
Coniferous

Tel. & Teleg. Lines
Electric Lines
Elec. Trans. Tower
Buried Tel. Cable
Buried Electric Cable
Gas Main
Oil Main
Water Main
Sanitary Sewers
Storm Sewers
Road Approaches

Section Corner
Center of Section
Culverts & Drains
Proposed
Existing
Proposed
Existing
No Hdr
1 Hdr
2 Hdr
End Section
C.B.C.

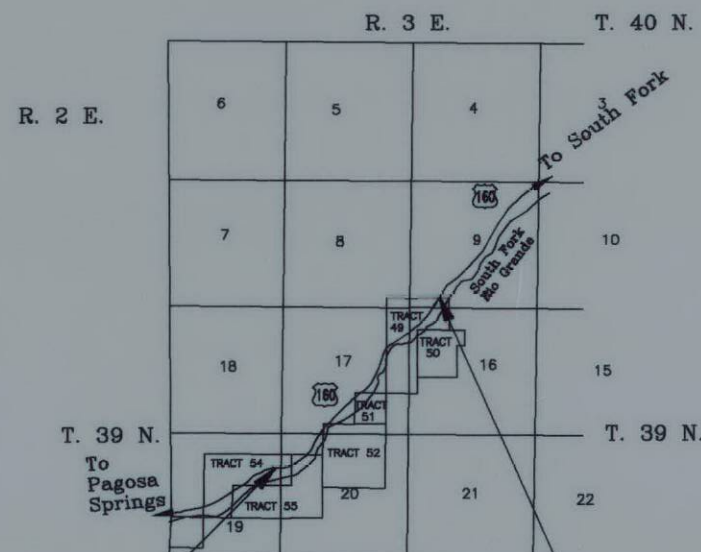
Bridges
Existing (To be dashed)

DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

RIGHT OF WAY PLAN OF PROPOSED FEDERAL AID PROJECT NO. NH(CX) 160-2(49) STATE HIGHWAY NO. 160 RIO GRANDE COUNTY

SCALES OF ORIGINAL 22"x34" DRAWINGS

PLAN SHEETS 1 IN. = 50 FT.
CONTROL AND OWNERSHIP 1 IN. = 500 FT.



STA. 360+00 BEGIN R.O.W. PROJ. NH(CX) 160-2(49)
M.P. = 181.12

STA. 460+49.47 END R.O.W. PROJ. NH(CX) 160-2(49)
STA. 460+49.45 ON PROJ. NH(CX) 160-2(148)
M.P. = 183.02

0.5 0 1 2
SCALE IN MILES

1 0.5 0 1 2
SCALE IN KILOMETERS

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	1	14

NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2, TE3, ADD TE1, TE2, TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	8/24/98

RIGHT OF WAY
MINERAL/ RIO GRANDE
COUNTY LINE EAST

INDEX OF SHEETS

SHEET NUMBER	TITLE SHEET
1.	TITLE SHEET
2.	PROPERTY OWNERSHIP TABULATION
3A.-3C.	CONTROL AND MONUMENTATION SHEETS
4.-11.	PLAN SHEETS
12.	OWNERSHIP MAP

BASIS OF BEARINGS: THE WEST LINE OF TRACT 49 IN SECTION 17, TOWNSHIP 39 NORTH, RANGE 3 EAST OF THE NEW MEXICO PRINCIPAL MERIDIAN BETWEEN ANGLE POINT 4 (A 64mm GLO BRASS CAP) AND ANGLE POINT 5 (A 64mm GLO BRASS CAP) WAS DETERMINED BY GLOBAL POSITIONING SYSTEM (G.P.S.) SURVEY IN DECEMBER, 1996 TO BE S 00°38'43" W AFTER A CLOCKWISE ROTATION OF 0°43'31.2" TO MATCH THE BEARING BETWEEN POINT 100 (AN 83mm CDOT ALUMINUM CAP MARKED MILEPOST 182.75) AND POINT 91 (AN 83mm CDOT ALUMINUM CAP MARKED MILEPOST 181.16) AS DETERMINED BY A PREVIOUS SURVEY.

Date: 6/10/98
Subaccount: 92976
Region: 5

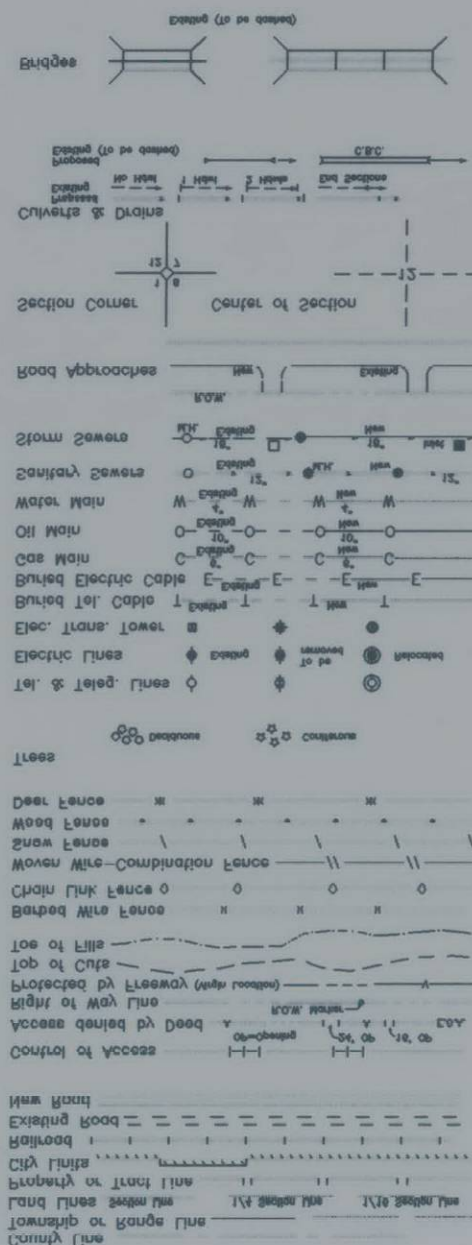
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

AUTHORIZED
DATE
DIVISION ADMINISTRATOR

Region: 2
Project: 85310
Date: 8/10/88

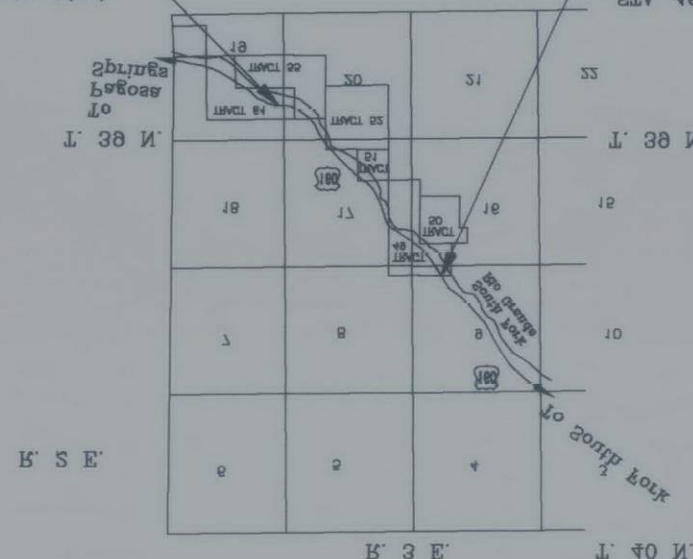
DIVISION ADMINISTRATOR	
DATE	
AUTHORIZED	
FEDERAL HIGHWAY ADMINISTRATION DEPARTMENT OF TRANSPORTATION	

AS DETERMINED BY A PREVIOUS SURVEY
183.12) AND POINT 21 (AN 82mm CDOT ALUMINUM CAP MARKED MILEPOST 181.10)
THE BEARING BETWEEN POINT 100 (AN 82mm CDOT ALUMINUM CAP MARKED MILEPOST
180.10 BE 2 00.38.42. M AFTER A CLOCKWISE ROTATION OF 0.42.31.3. TO MATCH
WAS DETERMINED BY GLOBAL POSITIONING SYSTEM (GPS) SURVEY IN DECEMBER
POINT 4 (A 64mm CDO BRASS CAP) AND ANGLE POINT 2 (A 64mm CDO BRASS CAP)
NORTH, BEING 2 EAST OF THE NEW MEXICO PRINCIPAL MERIDIAN BETWEEN ANGLE
BASIS OF BEARINGS: THE WEST LINE OF TRACT 48 IN SECTION 11, TOWNSHIP 38



N.B. = 1817.5
21.4 380+00 BEGIN E.O.M. FROM IN(CX) 180-5(48)

N.B. = 183.05
21.4 480+00 END E.O.M. FROM IN(CX) 180-5(48)



CONTROL AND OWNERSHIP 1 IN. = 200 FT.
PLAN SHEETS 1 IN. = 20 FT.
SCALES OF ORIGINAL 33.4x44. DRAWINGS

BIO GRANDE COUNTY
STATE HIGHWAY NO. 180
FEDERAL AID PROJECT NO. IN(CX) 180-5(48)
RIGHT OF WAY PLAN OF PROPOSED
STATE OF COLORADO
DEPARTMENT OF TRANSPORTATION

15	OWNERSHIP MAP
11	PLAN SHEETS
33.4x44	CONTROL AND MONUMENTATION SHEETS
5	PROPERTY OWNERSHIP TABULATION
1	TITLE SHEET
SHEET NUMBER	INDEX OF SHEETS

COUNTY LINE EAST
MINERAL BIO GRANDE
RIGHT OF WAY

NO.	REVISIONS	DATE
1	1	8/10/88
2	2	8/10/88
3	3	8/10/88
4	4	8/10/88
5	5	8/10/88
6	6	8/10/88
7	7	8/10/88
8	8	8/10/88
9	9	8/10/88
10	10	8/10/88
11	11	8/10/88
12	12	8/10/88
13	13	8/10/88
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92	92	8/10/88
93	93	8/10/88
94	94	8/10/88
95	95	8/10/88
96	96	8/10/88
97	97	8/10/88
98	98	8/10/88
99	99	8/10/88
100	100	8/10/88

CONVENTIONAL SIGNS

U.S. 160

RIGHT OF WAY
MINERAL/ RIO GRANDE
COUNTY LINE EAST

C:\961109\92976ROW.DWG 6/16/99

CONTROL AND MONUMENTATION SHEET

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	3A	14

RIGHT OF WAY
MINERAL/ RIO GRANDE
COUNTY LINE EAST

NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	8/24/98

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

	NORTHING	EASTING	
PNT 301	347976.412	1655122.863	/LT. STA. 365+00.97
PNT 302	347657.274	1655119.735	/RT. STA. 363+91.52
PNT 303	348575.902	1655814.101	/LT. STA. 375+38.82
PNT 304	348433.833	1656078.414	/RT. STA. 375+38.82
PNT 305	348753.999	1655904.748	/LT. STA. 377+43.82
PNT 306	348620.907	1656173.630	/RT. STA. 377+43.82
PNT 307	348933.271	1655991.004	/LT. STA. 379+43.26
PNT 308	348801.075	1656260.318	/RT. STA. 379+43.26
PNT 309	349097.331	1656073.141	/LT. STA. 381+23.26
PNT 310	348958.811	1656339.288	/RT. STA. 381+23.26
PNT 311	349485.692	1656344.372	/LT. STA. 385+58.99
PNT 312	349283.509	1656566.057	/RT. STA. 385+58.99
PNT 313	349619.291	1656470.121	/LT. STA. 387+38.99
PNT 314	349411.959	1656686.959	/RT. STA. 387+38.99
PNT 315	350406.163	1657234.421	/LT. STA. 398+34.01
PNT 316	350196.045	1657448.553	/RT. STA. 398+34.01
PNT 317	350532.054	1657359.217	/LT. STA. 400+09.01
PNT 318	350318.681	1657570.123	/RT. STA. 400+09.01
PNT 319	350677.960	1657521.021	/LT. STA. 402+13.15
PNT 320	350446.187	1657711.522	/RT. STA. 402+13.15
PNT 321	350789.121	1657659.109	/LT. STA. 402+88.15
PNT 322	350554.474	1657846.039	/RT. STA. 402+88.15
PNT 323	350962.722	1657879.314	/LT. STA. 406+69.63
PNT 324	350729.398	1658067.924	/RT. STA. 406+69.63
PNT 325	351090.714	1658034.026	/LT. STA. 408+79.63
PNT 326	350866.819	1658233.738	/RT. STA. 408+79.63
PNT 327	351328.761	1658237.590	/LT. STA. 412+34.35
PNT 328	351169.905	1658492.184	/RT. STA. 412+34.35
PNT 329	351504.728	1658341.493	/LT. STA. 414+44.35
PNT 330	351355.350	1658601.685	/RT. STA. 414+44.25
PNT 331	351553.454	1658254.168	/LT. STA. 415+00.00
PNT 333	351734.507	1658355.191	/LT. STA. 416+55.47
PNT 334	351542.347	1658706.025	/RT. STA. 416+55.47
PNT 335	351887.725	1658437.554	/LT. STA. 418+35.47
PNT 336	351703.950	1658792.895	/RT. STA. 418+35.47
PNT 337	352052.012	1658508.111	/LT. STA. 420+50.02
PNT 338	351920.861	1658886.052	/RT. STA. 420+50.02
PNT 339	352217.241	1658562.513	/LT. STA. 422+30.02
PNT 340	352095.131	1658943.432	/RT. STA. 422+30.02
PNT 341	352316.448	1658593.458	/LT. STA. 423+32.28
PNT 342	352191.798	1658973.584	/RT. STA. 423+32.28
PNT 343	352524.924	1658665.187	/LT. STA. 425+42.28
PNT 344	352383.995	1659039.712	/RT. STA. 425+42.28
PNT 345	353094.601	1659079.152	/LT. STA. 431+25.13
PNT 346	352454.265	1659071.939	/RT. STA. 426+35.57
PNT 347	352959.016	1659077.625	/LT. STA. 430+46.45
PNT 348	353049.705	1659182.673	/RT. STA. 431+70.00
PNT 349	353174.399	1659363.354	/LT. STA. 433+80.00
PNT 350	353316.740	1659537.395	/RT. STA. 436+00.00
PNT 351	353413.146	1659751.037	/LT. STA. 438+34.96
PNT 352	353509.283	1659897.269	/RT. STA. 440+09.96
PNT 353	353735.973	1660196.772	/LT. STA. 444+00.00
PNT 354	354113.797	1660637.614	/RT. STA. 450+00.00
PNT 355	354002.211	1660766.778	/LT. STA. 450+00.00
PNT 356	354136.007	1660927.803	/RT. STA. 452+00.00
PNT 360	352550.745	1659073.026	/RT. STA. 427+30.39
PNT 361	352599.592	1659103.545	/RT. STA. 427+93.41
PNT 362	352682.792	1659162.552	/RT. STA. 429+04.83
PNT 363	352808.593	1659292.423	/RT. STA. 431+00.23
PNT 364	352934.450	1659482.418	/RT. STA. 433+45.37
PNT 365	352959.460	1659465.851	/RT. STA. 433+45.37
PNT 366	353365.694	1660079.106	/RT. STA. 440+78.26
PNT 400	347808.737	1654660.691	/LT. STA. 359+72.99
PNT 401	347808.271	1654699.672	/LT. STA. 360+86.66
PNT 402	347626.571	1654561.816	/RT. STA. 358+71.62
PNT 403	347611.577	1654755.095	/RT. STA. 360+54.44
PNT 404	347651.873	1654751.713	/RT. STA. 360+54.44

SURVEY CONTROL POINT TABULATION

	NORTHING	EASTING	ELEVATION	
91	347640.168	1654795.630	8503.76	FOUND CDOT TYPE 2 MON WITH 83mm ALUM CAP "PT 91 MILEPOST 181.16"
92	348194.893	1655705.270	8518.89	FOUND CDOT TYPE 2 MON WITH 83mm ALUM CAP "PT 92 MILEPOST 181.36"
93	348689.548	1656053.070	8511.11	FOUND CDOT TYPE 2 MON WITH 83mm ALUM CAP "PT 93 MILEPOST 181.47"
94	349352.549	1656379.560	8483.86	FOUND CDOT TYPE 2 MON WITH 83mm ALUM CAP "PT 94"
95	349924.265	1657033.830	8441.81	FOUND CDOT TYPE 2 MON WITH 83mm ALUM CAP "PT 95 MILEPOST 181.77"
96	350618.814	1657582.910	8461.35	FOUND CDOT TYPE 2 MON WITH 83mm ALUM CAP "PT 96 MILEPOST 181.98"
97	351092.464	1658237.770	8426.72	FOUND CDOT TYPE 2 MON WITH 83mm ALUM CAP "PT 97 MILEPOST"
98	351648.336	1658630.090	8414.81	FOUND CDOT TYPE 2 MON WITH 83mm ALUM CAP "PT 93 MILEPOST 182.23"
99	352516.867	1658979.040	8400.36	FOUND CDOT TYPE 2 MON WITH 83mm ALUM CAP "PT 99 MILEPOST 182.41"
100	353604.203	1660378.710	8366.64	FOUND CDOT TYPE 2 MON WITH 83mm ALUM CAP "PT 100 MILEPOST 182.75"
149	354826.226	1661132.387	8389.46*	FOUND CDOT TYPE 2 MON WITH 83mm ALUM CAP "NO 149 PROJ NO 160-246"
1000	349191.573	1656634.650	8451.65	SET HUB AND TACK
1001	348290.098	1656424.010	8454.02	SET HUB AND TACK
1002	347803.798	1655134.250	8513.9*	SET HUB AND TACK
4904	353526.718	1659084.020	8569.7*	FOUND 64mm GLO BRASS CAP "T39N R3E S17 TR49 AP4"
4905	350875.787	1659054.158	8413.0*	FOUND 64mm GLO BRASS CAP "T39N R3E S17 TR49 AP5 TR51 AP1 1925"
8381	354974.902	1661471.925	8381.0*	FOUND CDOT TYPE 2 MON WITH 83mm ALUM CAP "CDOT CONTROL MON ST HWY MP"

NOTE: COORDINATES ARE CARRIED OUT TO THREE PLACES DECIMAL FOR CALCULATION PURPOSES.

GENERAL NOTES

1. This Right of Way plan is not a complete boundary survey of all adjoining owners and is prepared for Colorado Department of Transportation purposes only.
2. Utility easements and other miscellaneous Right of Ways and easements located outside of S.H. 160 corridor ARE NOT SHOWN.
3. Field survey control precision computed to exceed 1:20000.
4. 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. 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 ONLY.

QUANTITY OF MONUMENTS TO BE SET

CAP TYPE	MONUMENT TYPE							
	1	1A	2	2A	3	3A	4	5
REFERENCE								
RIGHT OF WAY	67							
CONTROL								
ALIQUOT CORNER								
PER/EASEMENT								

CDOT SURVEYOR'S STATEMENT (FIELD)
Original Control Survey and Ties were performed under my supervision and checking.

NAME *[Signature]* PLS NO 29431
DATE 7/12/99 COLORADO

CONSULTANT SURVEYOR'S STATEMENT
Section Corner Ties were located and R.O.W. Plans and legal descriptions were prepared under my supervision and checking.

NAME *[Signature]* PLS NO 11434
DATE 7/7/99 COLORADO

CONTRACT SURVEYOR'S STATEMENT (FIELD)
Right of Way Monumentation was done under my supervision and checking.

NAME *[Signature]* PLS NO 31101
DATE 7/6/99 COLORADO

BNT	404	343821.813	1024321.113	W1	21A	300+24.44
BNT	403	343811.213	1024322.082	W1	21A	300+24.44
BNT	405	343838.211	1024321.818	W1	21A	300+24.44
BNT	401	343808.311	1024320.813	W1	21A	300+24.44
BNT	400	343808.113	1024320.811	W1	21A	300+24.44
BNT	399	323322.884	1020013.108	W1	21A	440+18.38
BNT	398	323322.480	1020422.821	W1	21A	440+18.38
BNT	397	323324.420	1020423.418	W1	21A	440+18.38
BNT	396	323308.283	1020333.433	W1	21A	440+18.38
BNT	395	323308.183	1020333.283	W1	21A	440+18.38
BNT	394	323308.283	1020333.283	W1	21A	440+18.38
BNT	393	323320.142	1020333.038	W1	21A	440+18.38
BNT	392	324130.001	1020333.803	W1	21A	440+18.38
BNT	391	324003.311	1020333.118	W1	21A	440+18.38
BNT	390	324113.181	1020333.814	W1	21A	440+18.38
BNT	389	323132.813	1020333.113	W1	21A	440+18.38
BNT	388	323208.383	1020333.388	W1	21A	440+18.38
BNT	387	323413.148	1020333.031	W1	21A	440+18.38
BNT	386	323318.140	1020333.382	W1	21A	440+18.38
BNT	385	323114.388	1020333.382	W1	21A	440+18.38
BNT	384	323048.102	1020333.813	W1	21A	440+18.38
BNT	383	323028.018	1020333.813	W1	21A	440+18.38
BNT	382	323424.382	1020333.813	W1	21A	440+18.38
BNT	381	323084.801	1020333.123	W1	21A	440+18.38
BNT	380	323383.882	1020333.113	W1	21A	440+18.38
BNT	379	323254.854	1020333.181	W1	21A	440+18.38
BNT	378	323181.188	1020333.284	W1	21A	440+18.38
BNT	377	323318.448	1020333.428	W1	21A	440+18.38
BNT	376	323082.131	1020333.433	W1	21A	440+18.38
BNT	375	323313.341	1020333.213	W1	21A	440+18.38
BNT	374	321850.881	1020333.023	W1	21A	440+18.38
BNT	373	323023.013	1020333.111	W1	21A	440+18.38
BNT	372	321103.820	1020333.882	W1	21A	440+18.38
BNT	371	321881.152	1020333.224	W1	21A	440+18.38
BNT	370	321243.341	1020333.032	W1	21A	440+18.38
BNT	369	321134.201	1020333.181	W1	21A	440+18.38
BNT	368	321223.424	1020333.188	W1	21A	440+18.38
BNT	367	321322.320	1020333.882	W1	21A	440+18.38
BNT	366	321204.138	1020333.483	W1	21A	440+18.38
BNT	365	321188.802	1020333.184	W1	21A	440+18.38
BNT	364	321338.181	1020333.280	W1	21A	440+18.38
BNT	363	320888.818	1020333.138	W1	21A	440+18.38
BNT	362	321080.114	1020333.038	W1	21A	440+18.38
BNT	361	320138.388	1020333.854	W1	21A	440+18.38
BNT	360	320883.133	1020333.214	W1	21A	440+18.38
BNT	359	320824.414	1020333.038	W1	21A	440+18.38
BNT	358	320188.131	1020333.108	W1	21A	440+18.38
BNT	357	320448.181	1020333.233	W1	21A	440+18.38
BNT	356	320811.880	1020333.031	W1	21A	440+18.38
BNT	355	320318.881	1020333.133	W1	21A	440+18.38
BNT	354	320233.024	1020333.311	W1	21A	440+18.38
BNT	353	320188.042	1020333.223	W1	21A	440+18.38
BNT	352	320408.183	1020333.431	W1	21A	440+18.38
BNT	351	348411.888	1020333.888	W1	21A	440+18.38
BNT	350	348818.381	1020333.131	W1	21A	440+18.38
BNT	349	348583.208	1020333.021	W1	21A	440+18.38
BNT	348	348482.883	1020333.213	W1	21A	440+18.38
BNT	347	348828.811	1020333.388	W1	21A	440+18.38
BNT	346	348081.331	1020333.141	W1	21A	440+18.38
BNT	345	348801.032	1020333.218	W1	21A	440+18.38
BNT	344	348823.311	1020333.004	W1	21A	440+18.38
BNT	343	348850.801	1020333.830	W1	21A	440+18.38
BNT	342	348123.888	1020333.148	W1	21A	440+18.38
BNT	341	348423.823	1020333.414	W1	21A	440+18.38
BNT	340	348212.803	1020333.101	W1	21A	440+18.38
BNT	339	343821.314	1020333.132	W1	21A	440+18.38
BNT	338	343818.413	1020333.883	W1	21A	440+18.38

NORTHING

EASTING

TABLE OF B.O.M. MARKERS TO BE SET

COORDINATES ONLY.
e. All coordinates listed are PROTECT
centerline as constructed in the field.
rectical only and may not represent the
2. All centerline and offset stationing is three-

certification shown hereon.
more than ten years from the date of the
any defect in this survey be commenced
in no event, may any action based upon
years after last first discover such defect
upon any defect in this survey within three
must commence any legal action based
4. NOTICE: According to Colorado law you

to exceed 1:50000.
3. Field survey control precision computed
of 2"H. 100 corridor ARE NOT SHOWN.
Right of Ways and easements located outside
5. Utility easements and other miscellaneous

of transportation purposes only.
and is prepared for Colorado Department
roadway survey of all adjoining owners
1. This Right of Way plan is not a complete

GENERAL NOTES

CALCULATION PURPOSES
TO THREE PLACES DECIMAL FOR
NOTE: COORDINATES ARE CARRIED OUT

8381	324814.803	1021411.832	8381.0*	FOUND CDOT TYPE 3 MON WITH 83mm ALUM CAP "CDOT CONTROL MON ST HWY MB."
4802	320812.181	1020824.128	8413.0*	FOUND 84mm CGO BRASS CAP "1381 B3E 213 1848 ABE 1821 ABE 1832."
4804	322238.118	1020884.030	8288.1*	FOUND 84mm CGO BRASS CAP "1381 B3E 213 1848 ABE 1832."
1003	343803.188	1022134.320	8213.8*	SET HUB AND TACK
1001	348380.088	1020434.010	8424.03	SET HUB AND TACK
1000	348181.213	1020834.820	8421.82	SET HUB AND TACK
148	324838.338	1021133.381	8388.48*	FOUND CDOT TYPE 3 MON WITH 83mm ALUM CAP "NO 148 PROJ NO 180-348."
100	323804.303	1020318.110	8388.84	FOUND CDOT TYPE 3 MON WITH 83mm ALUM CAP "BT 100 MILEPOST 183.12."
88	323218.881	1020818.040	8400.38	FOUND CDOT TYPE 3 MON WITH 83mm ALUM CAP "BT 88 MILEPOST 183.41."
88	321848.338	1020830.080	8414.81	FOUND CDOT TYPE 3 MON WITH 83mm ALUM CAP "BT 83 MILEPOST 183.33."
81	321083.484	1020833.110	8438.13	FOUND CDOT TYPE 3 MON WITH 83mm ALUM CAP "BT 81 MILEPOST 181."
88	320818.814	1020833.810	8481.32	FOUND CDOT TYPE 3 MON WITH 83mm ALUM CAP "BT 88 MILEPOST 181.88."
82	348854.382	1020333.830	8441.81	FOUND CDOT TYPE 3 MON WITH 83mm ALUM CAP "BT 82 MILEPOST 181.33."
84	348323.248	1020333.280	8483.88	FOUND CDOT TYPE 3 MON WITH 83mm ALUM CAP "BT 84."
83	348888.248	1020823.010	8211.11	FOUND CDOT TYPE 3 MON WITH 83mm ALUM CAP "BT 83 MILEPOST 181.43."
83	348184.883	1020818.310	8218.88	FOUND CDOT TYPE 3 MON WITH 83mm ALUM CAP "BT 83 MILEPOST 181.38."
81	343840.188	1024382.830	8203.18	FOUND CDOT TYPE 3 MON WITH 83mm ALUM CAP "BT 81 MILEPOST 181.18."

NORTHING

EASTING

ELEVATION

SURVEY CONTROL POINT TABULATION

DATE _____
NAME _____
RIGHT OF WAY MONUMENTATION MADE UNDER MY SUPERVISION AND CHECKING
COLORED STATEMENT (FIELD)

DATE _____
NAME _____
RIGHT OF WAY MONUMENTATION MADE UNDER MY SUPERVISION AND CHECKING
SECTION CORNER 182. WERE LOCATED AND B.O.M. PLANS AND LEGAL DESCRIPTIONS WERE
COLORED STATEMENT

DATE _____
NAME _____
RIGHT OF WAY MONUMENTATION MADE UNDER MY SUPERVISION AND CHECKING
ORIGINAL CONTROL SURVEY AND 100' CORRIDOR WERE PERFORMED UNDER MY SUPERVISION
COLORED STATEMENT (FIELD)

REFERENCE									
APPROX CORNER									
CONTROL									
RIGHT OF WAY	83								
REFERENCE									
TYPE	1	2	3	4	5	6	7	8	9
CAP									
MONUMENT TYPE									

QUANTITY OF MONUMENTS TO BE SET

COPIES FILE EAST
MINERAL RIO GRANDE
RIGHT OF WAY

NO.	REVISIONS	DATE
1	ADD 181.123.124 REMOVE 182.123.124	8/2/83
2	REMOVE 181.123.124 ADD 181.123.124	8/2/83
3	CHANGE PROTECT LIMITS REMOVE 181.123.124	10/02/83

CONTROL AND MONUMENTATION SHEET

CONTROL AND MONUMENTATION SHEET

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	3B	14
RIGHT OF WAY		NO.	REVISIONS	DATE
MINERAL/ RIO GRANDE		1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
COUNTY LINE EAST		2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
		3	REMOVE TE1, ADD 1, TE1A	6/24/98

TEMPORARY EASEMENT POINT TABULATION

PT #	NORTHING	EASTING	
601	347814.033	1654781.990	/LT. STA. 361+00.00
602	347833.916	1654779.830	/LT. STA. 361+00.00
603	347869.524	1654959.337	/LT. STA. 363+00.00
604	347850.322	1654964.930	/LT. STA. 363+00.00
609	353466.264	1660221.488	/RT. STA. 442+50.00
610	353426.305	1660251.543	/RT. STA. 442+50.00
611	353524.096	1660374.626	/RT. STA. 444+00.00
612	353562.408	1660342.496	/RT. STA. 444+00.00
613	353448.877	1659805.387	/LT. STA. 439+00.00
614	353490.657	1659777.919	/LT. STA. 439+00.00
615	353551.063	1659869.801	/LT. STA. 440+09.96
616	353774.248	1660164.601	/LT. STA. 444+00.00

TABULATION OF LAND CORNERS

2267	353214.426	1659677.397	FOUND 89mm USC & GS BRASS DISK SET IN ROCK "S 161 1934"
2577	350904.068	1657770.226	FOUND 64mm GLO BRASS CAP ON 25mm NON-GALVANIZED PIPE "USGLO SURVEY 1925 T39N R3E S17 AP2 TR52"
4901	354820.736	1661663.895	FOUND 64mm GLO BRASS CAP ON 25mm NON-GALVANIZED PIPE "9/2/75 AP1 TR49 T39N R3E 5442"
4902	354834.295	1660339.138	FOUND 64mm GLO BRASS CAP ON 25mm NON-GALVANIZED PIPE "T39N R3E S9 TR49 AP2 1925"
4904	353526.718	1659084.020	FOUND 64mm GLO BRASS CAP "T39N R3E S17 TR49 AP4"
4905	350875.787	1659054.158	FOUND 64mm GLO BRASS CAP "T39N R3E S17 TR49 AP5 TR51 AP1 1925"
4907	353503.128	1660354.802	FOUND 64mm GLO BRASS CAP ON 25mm IRON PIPE "USGLO SURVEY 1925 T39N R3E AP5 TR49 AP2 TR50"
5401	348317.625	1655126.207	FOUND 64mm GLO BRASS CAP ON 25mm PIPE "T39N R3E S20 AP1 TR54 AP2 TR55"
5411	347910.391	1655122.216	FOUND 83mm USDA/FS ALUM CAP ON 51mm ALUM PIPE "T39N R3E PRIV U.S.F.S. C.D.O.H. PE-LS 10402 1984"
5412	347727.022	1655119.603	FOUND 83mm USDA/FS ALUM CAP ON 51mm ALUM PIPE "T39N R3E C.D.O.H. PRIV U.S.F.S. LS 10402 1984"

FOUND ROW POINT TABULATION

	NORTHING	EASTING	
PT 146	354165.868	1660883.481	83mm ROW CAP 146
PT 147	354490.371	1660929.498	83mm ROW CAP 147
PT 148	354387.098	1661100.696	83mm ROW CAP 148
PT 149	354826.226	1661132.387	83mm ROW CAP 149
PT 150	354823.733	1661367.734	83mm ROW CAP 150
PT 200	353429.135	1659993.891	1.067m CONCRETE PILLAR ROW MARKER
PT 201	353343.908	1660044.279	1.067m CONCRETE PILLAR ROW MARKER
PT 202	352963.909	1659465.522	1.067m CONCRETE PILLAR ROW MARKER
PT 203	353045.149	1659414.318	1.067m CONCRETE PILLAR ROW MARKER
PT 204	352136.679	1658792.957	1.067m CONCRETE PILLAR ROW MARKER
PT 205	352069.854	1658879.347	1.067m CONCRETE PILLAR ROW MARKER
PT 206	352063.917	1658906.614	1.067m CONCRETE PILLAR ROW MARKER
PT 207	350694.436	1657698.805	1.067m CONCRETE PILLAR ROW MARKER
PT 208	350613.700	1657756.930	1.067m CONCRETE PILLAR ROW MARKER
PT 209	348601.879	1655937.145	1.067m CONCRETE PILLAR ROW MARKER
PT 210	348558.606	1656041.135	1.067m CONCRETE PILLAR ROW MARKER
PT 400	354822.912	1661427.808	83mm ROW CAP 400
PT 401	354826.818	1661074.210	83mm ROW CAP 401
PT 413	355001.903	1661186.526	83mm ROW CAP 413
PT 1188	347488.977	1654063.138	ROW CAP
PT 3361	347810.215	1654426.987	ROW CAP
PT 3364	347803.135	1654306.843	ROW CAP

NOTE ON COORDINATE SYSTEM:

THE GLOBAL POSITIONING SYSTEM (GPS) SURVEY WAS FIXED HORIZONTALLY TO POINTS 91 AND 8381. THESE POINTS WERE ORIGINALLY TIED TO THE HARN BY THE REGION 5 ALAMOSA RESIDENT ENGINEERS STAFF IN ABOUT 1992. BLUEBOOK QUALITY MONUMENTS WERE NOT SET AT THAT TIME, THUS THE POINTS CAN NOT BE "OFFICIALLY" TIED TO THE HARN.

THE GPS LATITUDE AND LONGITUDE COORDINATES WERE PROJECTED ONTO A USER DEFINED LAMBERT PROJECTION IN TRIMNET TO REACH GROUND SCALE IN U.S. SURVEY FEET. THE FOLLOWING PARAMETERS WERE USED FOR THE PROJECTION:

CENTRAL MERIDIAN = W 160°40'59.000000"
LATITUDE OF ORIGIN = N 37°00'00.000000"
ORIGIN NORTHING = 200000.0000
ORIGIN EASTING = 300000.0000
NORTH STANDARD PARALLEL = N 37°37'44.000000"
SOUTH STANDARD PARALLEL = N 37°37'19.000000"
SCALE ALONG STANDARD PARALLELS = 1.00041392700
(USED AS SCALE FACTOR)

THESE USER COORDINATES WERE THEN ROTATED AND TRANSLATED TO MATCH THE EXISTING COORDINATES IN CDOT COGO.

ROTATION CLOCKWISE = 0°43'31.2" ALONG THE BEARING BETWEEN POINTS 100 AND 91
TRANSLATION: NORTHING = -76436.374
EASTING = +1358355.005

NOTE ON SECTION LINES:

SECTION CORNERS WERE NOT LOCATED ON THIS PROJECT. SECTION LINES AS SHOWN ON SHEETS 1, 3C, AND 12 WERE POSITIONED FROM BEARINGS AND DISTANCES GIVEN ON THE SUPPLEMENTAL PLAT OF TRACT SEGREGATIONS IN SECTIONS 1, 12, 16, 17,19, AND 20, INDEPENDANT RESURVEY T 39 N, R 3 E, N.M.P.M., COLORADO, AND ARE APPROXIMATE ONLY.

ARE APPROXIMATE ONLY.
17.18' AND 20' INDEPENDANT RESURVEY T 38 N, R 3 E, N.M.P.M., COLORADO, AND
GIVEN ON THE SUPPLEMENTAL PLAT OF TRACT SEGREGATIONS IN SECTIONS 1, 12, 16,
SHOWN ON SHEETS 1, 3C, AND 12 WERE POSITIONED FROM BEARINGS AND DISTANCES
SECTION CORNERS WERE NOT LOCATED ON THIS PROJECT. SECTION LINES AS

NOTE ON SECTION LINES:

EASTING = +1328325.005
NORTHING = -76438.374
ROTATION CLOCKWISE = 0.437312° ALONG THE BEARING BETWEEN POINTS 100 AND 91
IN CDOT COGO.
THESE USER COORDINATES WERE THEN ROTATED AND TRANSLATED TO MATCH THE EXISTING COORDINATES
SCALE ALONG STANDARD PARALLEL 2 = 1.00041392500
SOUTH STANDARD PARALLEL = N 37.37.19.000000°
NORTH STANDARD PARALLEL = N 37.37.44.000000°
ORIGIN EASTING = 300000.0000
ORIGIN NORTHING = 200000.0000
LATITUDE OF ORIGIN = N 37.00.00.000000°
CENTRAL MERIDIAN = W 180.40.29.000000°
WERE USED FOR THE PROJECTION:
PROJECTION IN TRIMNET TO REACH GROUND SCALE IN U.S. SURVEY FEET. THE FOLLOWING PARAMETERS
THE GPS LATITUDE AND LONGITUDE COORDINATES WERE PROJECTED ONTO A USER DEFINED LAMBERT
AT THAT TIME, THUS THE POINTS CAN NOT BE "OFFICIALLY" TIED TO THE HARN.

RESIDENT ENGINEERS STAFF IN ABOUT 1992. BLUEBOOK QUALITY MONUMENTS WERE NOT SET
AND 8381. THESE POINTS WERE ORIGINALLY TIED TO THE HARN BY THE REGION 5 ALAMOSA
THE GLOBAL POSITIONING SYSTEM (GPS) SURVEY WAS FIXED HORIZONTALLY TO POINTS 91

NOTE ON COORDINATE SYSTEM:

FOUND ROW POINT TABULATION

PT #	NORTHING	EASTING	
PT 2364	347803.136	1654306.843	ROW CAP
PT 3361	347810.216	1654426.987	ROW CAP
PT 1188	347488.977	1654083.138	ROW CAP
PT 413	355001.903	1661186.256	83mm ROW CAP 413
PT 401	354826.818	1661074.210	83mm ROW CAP 401
PT 400	354822.912	1661427.808	83mm ROW CAP 400
PT 210	348258.606	1658041.135	1.087m CONCRETE PILLAR ROW MARKER
PT 209	348601.879	1658937.145	1.087m CONCRETE PILLAR ROW MARKER
PT 208	350613.700	1657756.930	1.087m CONCRETE PILLAR ROW MARKER
PT 207	350664.436	1657698.805	1.087m CONCRETE PILLAR ROW MARKER
PT 206	352083.917	1658806.614	1.087m CONCRETE PILLAR ROW MARKER
PT 205	352069.854	1658879.347	1.087m CONCRETE PILLAR ROW MARKER
PT 204	352136.679	1658792.957	1.087m CONCRETE PILLAR ROW MARKER
PT 203	353045.149	1659414.318	1.087m CONCRETE PILLAR ROW MARKER
PT 202	352963.909	1659465.622	1.087m CONCRETE PILLAR ROW MARKER
PT 201	352343.908	1660044.279	1.087m CONCRETE PILLAR ROW MARKER
PT 200	353429.135	1659993.891	1.087m CONCRETE PILLAR ROW MARKER
PT 150	354823.733	1661367.734	83mm ROW CAP 150
PT 149	354826.226	1661132.387	83mm ROW CAP 149
PT 148	354387.098	1661100.696	83mm ROW CAP 148
PT 147	354480.371	1660929.498	83mm ROW CAP 147
PT 146	354165.868	1660883.481	83mm ROW CAP 146

TEMPORARY EASEMENT POINT TABULATION

PT #	NORTHING	EASTING	
616	353774.248	1660164.601	\LT. STA. 444+00.00
615	353551.063	1659869.801	\LT. STA. 440+09.96
614	353490.657	1659777.919	\LT. STA. 439+00.00
613	353448.877	1659805.387	\LT. STA. 439+00.00
612	353562.498	1660342.496	\RT. STA. 444+00.00
611	353524.096	1660374.626	\RT. STA. 444+00.00
610	353426.305	1660251.243	\RT. STA. 442+50.00
609	353466.264	1660221.488	\RT. STA. 442+50.00
604	347850.322	1654964.930	\LT. STA. 363+00.00
603	347869.824	1654959.337	\LT. STA. 363+00.00
602	347833.916	1654779.830	\LT. STA. 361+00.00
601	347814.033	1654781.990	\LT. STA. 361+00.00

TABULATION OF LAND CORNERS

2412	347272.022	1652119.603	FOUND 83mm USDA\F2 ALUM CAP ON 51mm ALUM PIPE "T39N R3E C.D.O.H. PRIV U.2.F.2. 12 10402 1984"
2411	347910.391	1652122.216	FOUND 83mm USDA\F2 ALUM CAP ON 51mm ALUM PIPE "T39N R3E C.D.O.H. PRIV U.2.F.2. 12 10402 1984"
2401	348317.625	1652126.207	FOUND 64mm GLO BRASS CAP ON 25mm PIPE "T39N R3E 220 AP1 TR54 AP2 TR50"
4907	353503.128	1660354.802	FOUND 64mm GLO BRASS CAP ON 25mm IRON PIPE "USGLO SURVEY 1925 T39N R3E AP2 TR50"
4905	350875.787	1659054.158	FOUND 64mm GLO BRASS CAP "T39N R3E 217 TR49 AP2 TR51 1925"
4904	352526.718	1659084.020	FOUND 64mm GLO BRASS CAP "T39N R3E 217 TR49 AP4"
4902	354834.296	1660329.138	FOUND 64mm GLO BRASS CAP ON 25mm NON-GALVANIZED PIPE "T39N R3E 28 TR49 AP2 1925"
4901	354820.726	1661663.895	FOUND 64mm GLO BRASS CAP ON 25mm NON-GALVANIZED PIPE "9\5\75 AP1 TR49 T39N R3E 2442"
2577	350904.068	1657770.226	FOUND 64mm GLO BRASS CAP ON 25mm NON-GALVANIZED PIPE "USGLO SURVEY 1925 T39N R3E 217 AP2 TR52"
2567	352314.426	1659677.297	FOUND 88mm USC & GS BRASS DISK SET IN ROCK "S 161 1934"

CONTROL AND MONUMENTATION SHEET

COUNTY LINE EAST
MINERAL\ RIO GRANDE

RIGHT OF WAY

REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
2III	COLORADO	NH(CX) 180-2(49)	3B	14
REVISIONS		NO.	DATE	
1		1	8/2/87	REMOVE P23, REVISE 2.TE3, ADD 1E1,TE3,TE4
2		2	10/03/87	REMOVE TE3, CHANGE PROJECT LIMITS
3		3	8/24/88	REMOVE TE1, ADD 1, TE1A

SURVEY CONTROL DIAGRAM

GPS TIES TO PROJECT CONTROL POINTS
SEC 9, 16, 17, AND 20, T49N, R3E,
NEW MEXICO PRINCIPAL MERIDIAN

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	3C	14

SEC9
T39N
R3E
NMPM

RIGHT OF WAY
MINERAL/ RIO GRANDE
COUNTY LINE EAST

NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	8/24/98

LEGEND

- 91△ - PROJECT GPS CONTROL POINT WITH NUMBER
- 4905○ - TRACT CORNER LOCATED WITH NUMBER
- 149□ - CDOT ROW POINT FROM PREVIOUS PROJECT WITH NUMBER

SEC18
T39N
R3E
NMPM

SEC19
T39N
R3E
NMPM

TRACT 54

SEC8
T39N
R3E
NMPM

SEC17
T39N
R3E
NMPM

TRACT 51

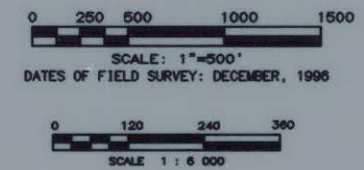
TRACT 52

TRACT 55

SEC20
T39N
R3E
NMPM

TRACT 50

SEC16
T39N
R3E
NMPM



ИМБВ
ВЗЕ
ЛЗДН
ЗЕСО

ТВАСТ 22

27 OCT 1967

ИВБВ
ВЗЕ
ТЗДИ
ЗЕСИД

25 TCACT

ИВБВ
ВЗЕ
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ЗЕСІВ

ИВБВ
ВЗЕ
ЛЗДИ
ЗЕСИ

TBACT 20

ИВБВ
ВЗЕ
ТЗДИ
ЗЕСІР

170 - CDO1 KOM BOINT EKOM BYELONOS BYOLEST MSH INMBEK

48020 - TRACT SOVIET LOCATED WITH NUMBER

21 ▽ - ПРОЕКТ СБЗ СОВТОГ ВОИМ МЛН ИММБЕР

ГЕСЕИД

ИМБМ
ВЗЕ
ТЗДИ
ЗЕС8

THE MEXICO PRINCIPAL MERIDIAN
25° 30' 14" AND 30° 14' 35"
GIVEN TO PROJECT CONTROL POINTS

SUBLEY CONTROL DIACRYAM

ИМБВ
ВЗЕ
ТЗДИ
ЗЕСО

COUNTY FINE EAST
MINERAL BIO GRANDE
RIGHT OF WAY

2	HEMOAE IEI' VDD I' IEIV	0/54/2	
3	CHIMOE PYOIECI PMIS HEMOAE IEI'	10/02	
4	VDD IEI' IEI' IEI' HEMOAE IEI' HEIMAE S' IEI'	0/2/0	
NO'	KEIMISIOZ	DAIE	
IN(CX)	IEO-3(40)	3C	14
PROJECT NO'	MO' SHEEL	SHEELS IOLIV	

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	4	14

NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2, TE3, ADD TE1, TE2, TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	6/24/98

RIGHT OF WAY
MINERAL/ RIO GRANDE
COUNTY LINE EAST



FLOOD PLAIN DATA:
ENTIRE PROJECT WITHIN ZONE D - AREAS IN WHICH FLOOD HAZARDS ARE UNDETERMINED, PER RIO GRANDE COUNTY FLOOD INSURANCE RATE MAP DATED MAY 19, 1987

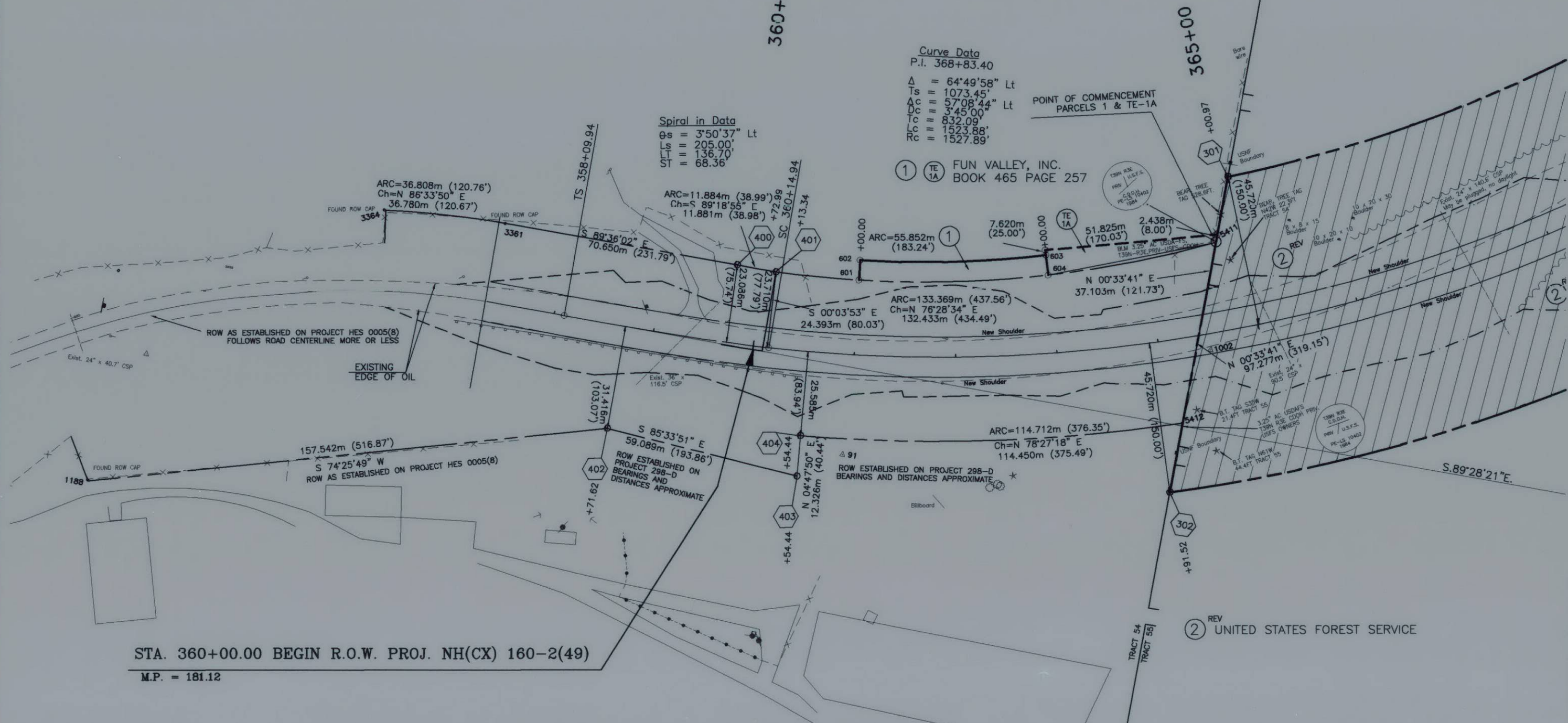
Curve Data
P.I. 368+83.40

Δ = 64°49'58" Lt
Ts = 1073.45'
Δc = 57°08'44" Lt
Dc = 3°45'00"
Tc = 832.09'
Lc = 1523.88'
Rc = 1527.89'

Spiral in Data
θs = 3°50'37" Lt
Ls = 205.00'
LT = 136.70'
ST = 68.36'

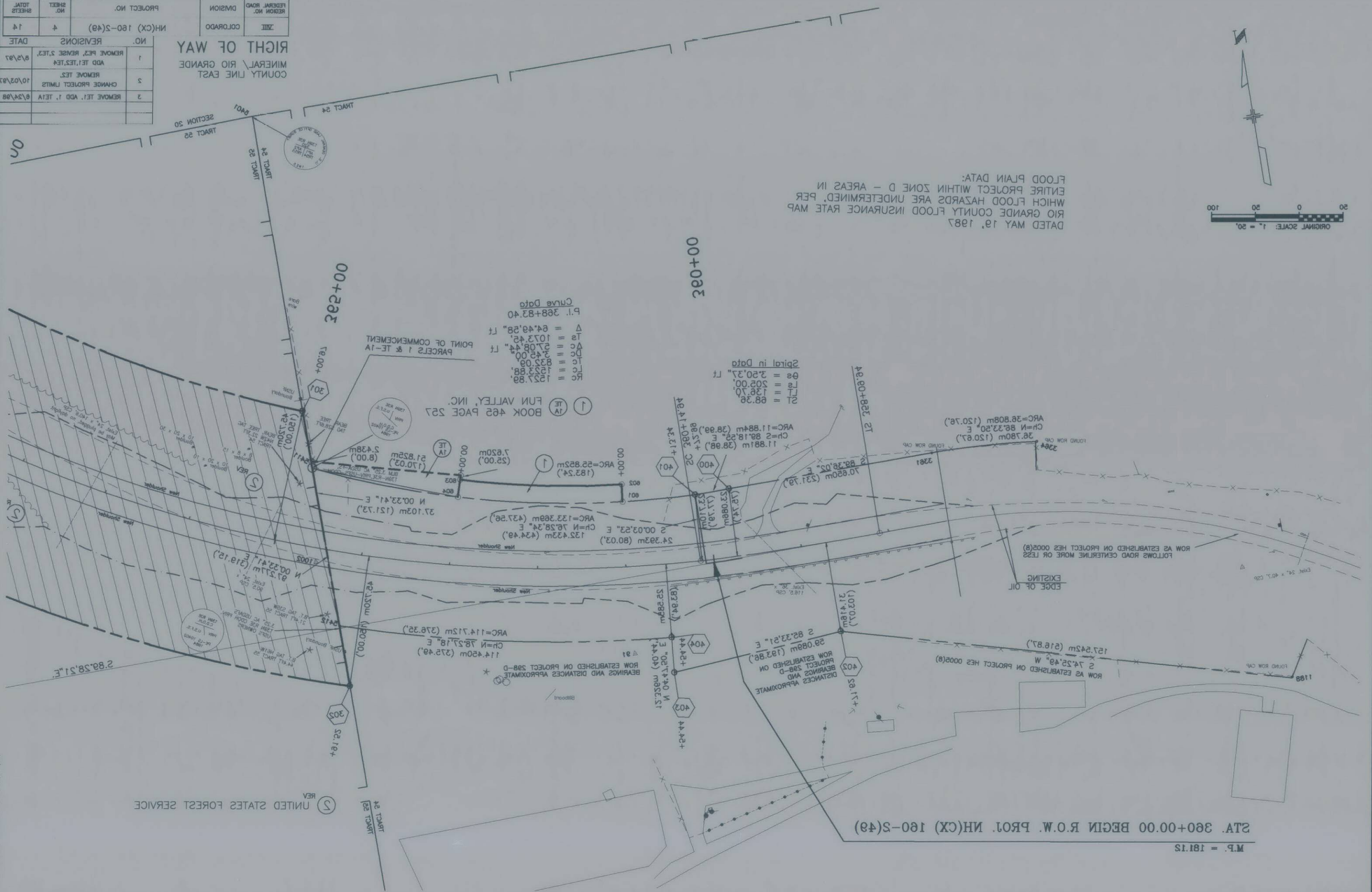
POINT OF COMMENCEMENT
PARCELS 1 & TE-1A

① TE 1A FUN VALLEY, INC.
BOOK 465 PAGE 257



STA. 360+00.00 BEGIN R.O.W. PROJ. NH(CX) 160-2(49)
M.P. = 181.12

REV
U



DATED MAY 19, 1987
 RIO GRANDE COUNTY FLOOD INSURANCE RATE MAP
 WHICH FLOOD HAZARDS ARE UNDETERMINED. PER
 ENTIRE PROJECT WITHIN ZONE D - AREAS IN
 FLOOD PLAIN DATA:



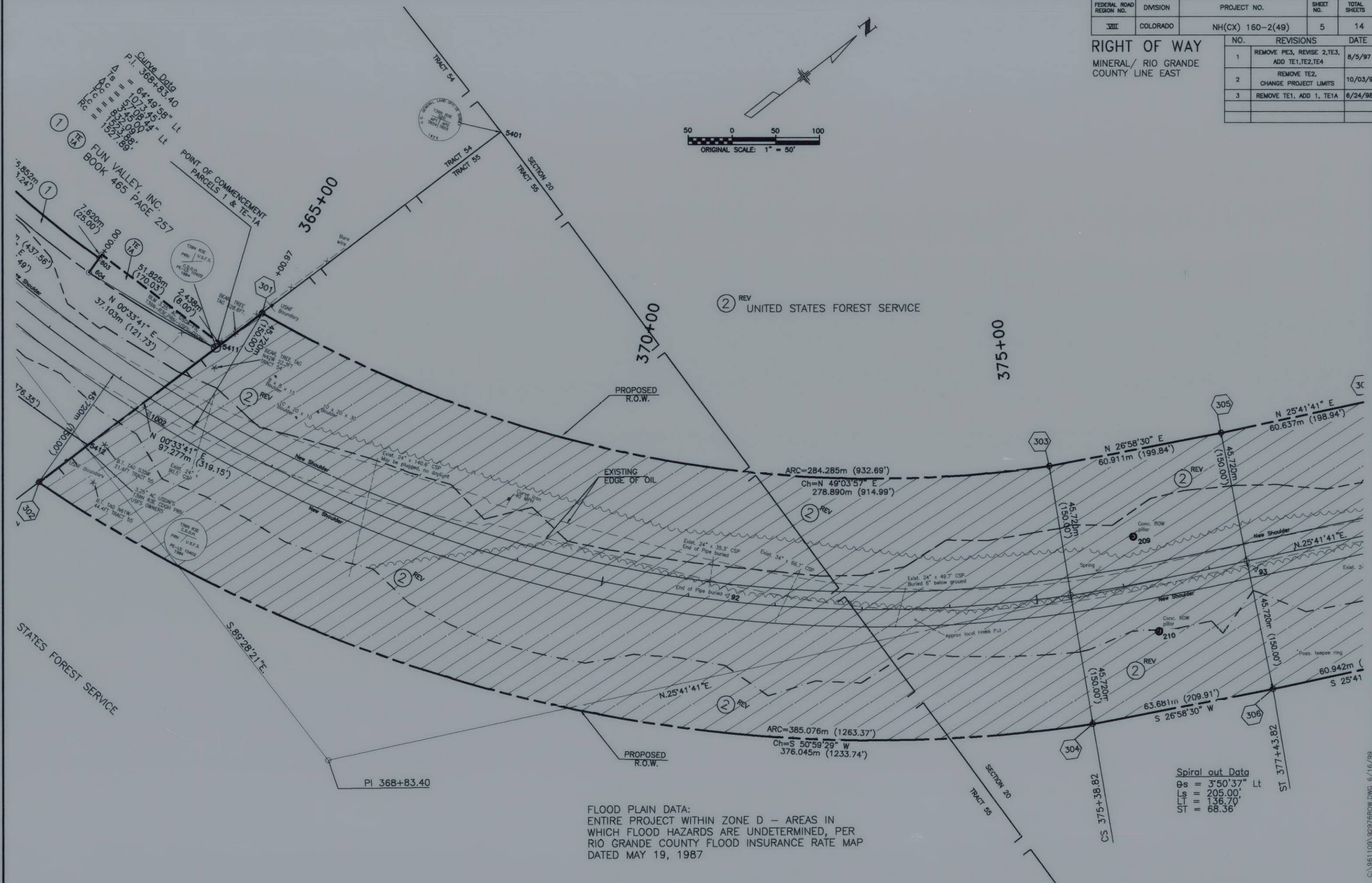
FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	5	14

NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	6/24/98

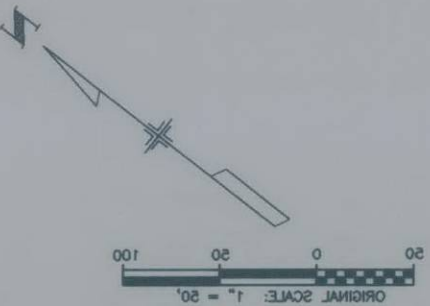
RIGHT OF WAY MINERAL/ RIO GRANDE COUNTY LINE EAST



② REV UNITED STATES FOREST SERVICE



RIGHT OF WAY
MINERAL \ RIO GRANDE
COUNTY LINE EAST



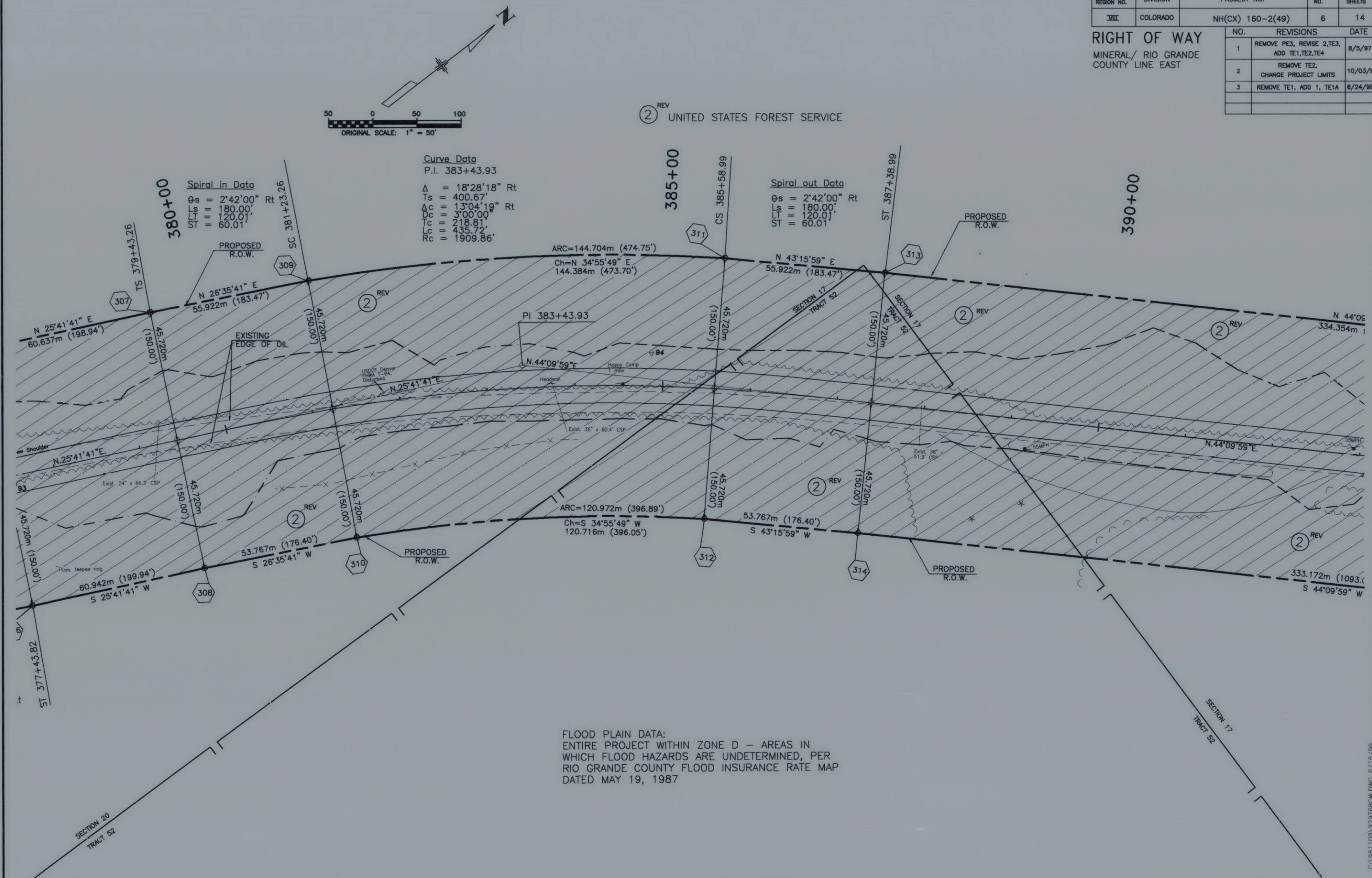
2S	LT	LS	TS	2S out Data
68.36	136.70	205.00	3.50	3.50
				3.50

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	6	14

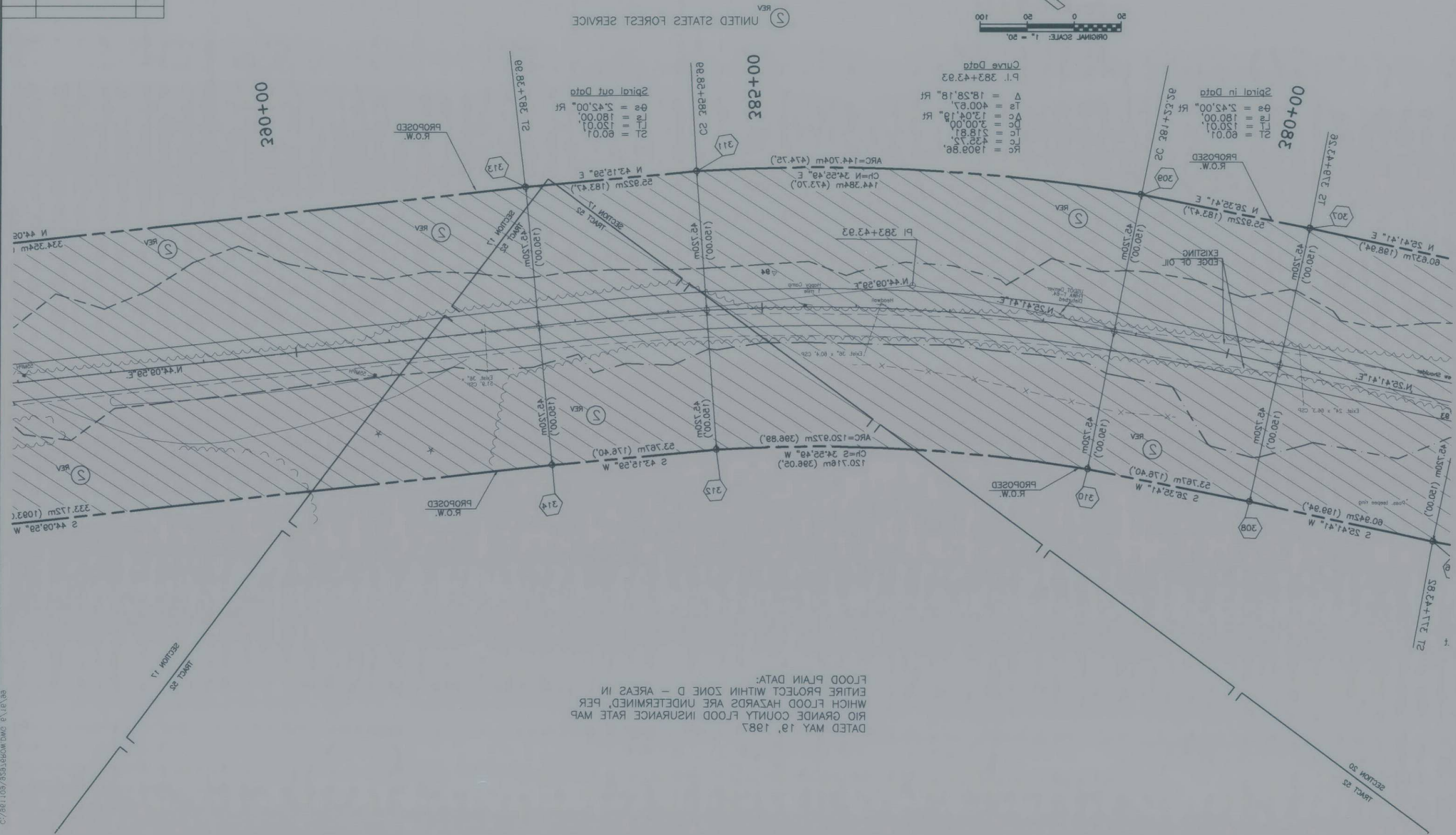
NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	8/24/98

RIGHT OF WAY
MINERAL/ RIO GRANDE
COUNTY LINE EAST

② REV UNITED STATES FOREST SERVICE

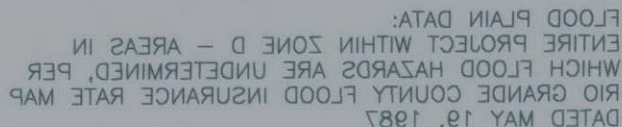


FLOOD PLAIN DATA:
ENTIRE PROJECT WITHIN ZONE D - AREAS IN
WHICH FLOOD HAZARDS ARE UNDETERMINED, PER
RIO GRANDE COUNTY FLOOD INSURANCE RATE MAP
DATED MAY 19, 1987

[illegible]

RIGHT OF WAY
MINERAL \ RIO GRANDE
COUNTY LINE EAST

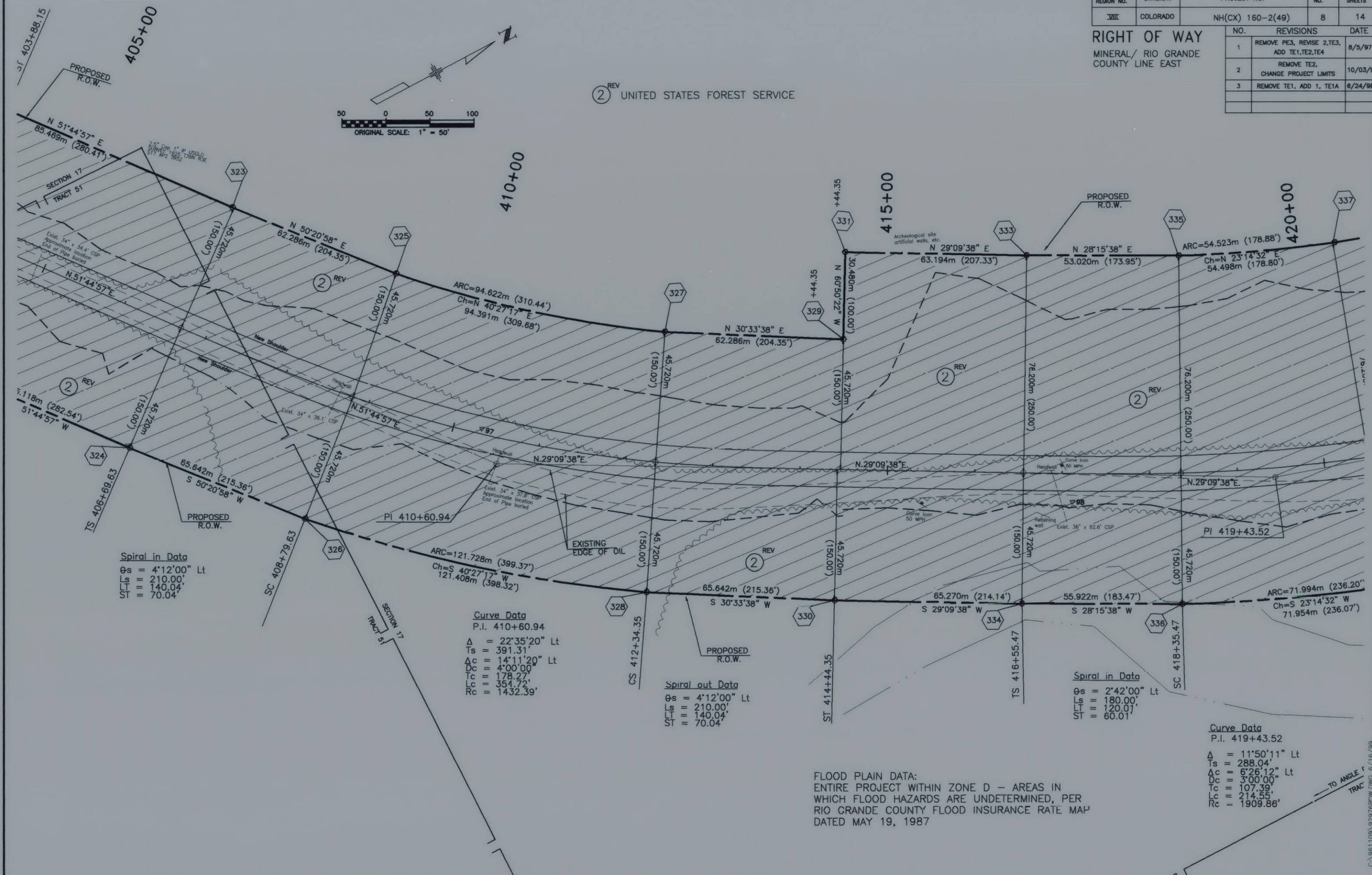
ORIGINAL SCALE: 1" = 50'



FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	8	14

RIGHT OF WAY		
MINERAL/ RIO GRANDE COUNTY LINE EAST		
NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	6/24/98

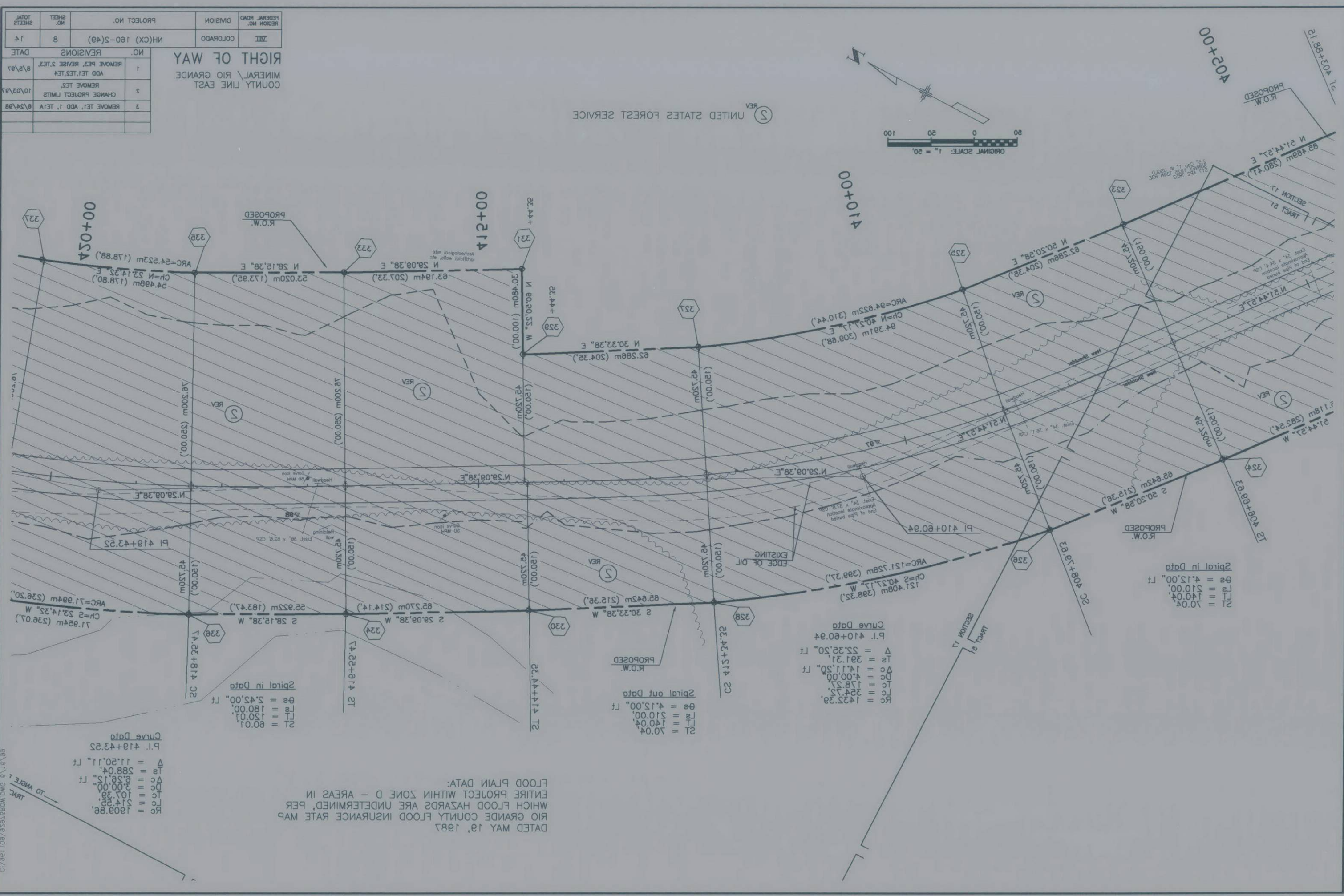
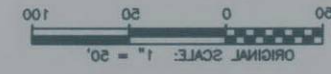
② REV UNITED STATES FOREST SERVICE



REGION NO.	DIVISION	PROJECT NO.	SHEET	TOTAL SHEETS
VIII	COLORADO	NH(CX) 180-5(49)	8	14
DATE				
NO. REVISIONS				
1	REMOVE P.C. REVERSE 2.75'	8/2/83		
2	ADD T.E.T. 2.75'	8/2/83		
3	REMOVE T.E.T.	10/03/83		
4	CHANGE PROJECT LIMITS	10/03/83		
5	REMOVE T.E.T. ADD 1' T.E.T.	8/24/88		

RIGHT OF WAY
MINERAL RIO GRANDE
COUNTY LINE EAST

REV 5 UNITED STATES FOREST SERVICE



Curve Data
P.I. 410+60.94
 $\Delta = 22.32.50"$ Lt
 $T_s = 391.31$
 $D_c = 14.11.50"$ Lt
 $D_c = 4.00.00$
 $T_c = 128.23$
 $L_c = 354.73$
 $R_c = 1435.39$

Spiral out Data
 $\theta_s = 4.15.00"$ Lt
 $L_s = 210.00$
 $L_t = 140.04$
 $L_c = 70.04$

Spiral in Data
 $\theta_s = 5.45.00"$ Lt
 $L_s = 180.00$
 $L_t = 150.01$
 $L_c = 80.01$

Curve Data
P.I. 419+43.25
 $\Delta = 11.50.11"$ Lt
 $T_s = 588.04$
 $D_c = 6.56.12"$ Lt
 $D_c = 3.00.00$
 $T_c = 107.38$
 $L_c = 514.25$
 $R_c = 1808.86$

DATED MAY 19, 1987
RIO GRANDE COUNTY FLOOD INSURANCE RATE MAP
WHICH FLOOD HAZARDS ARE UNDETERMINED, PER
ENTIRE PROJECT WITHIN ZONE D - AREAS IN
FLOOD PLAIN DATA:

Spiral in Data
 $\theta_s = 4.15.00"$ Lt
 $L_s = 210.00$
 $L_t = 140.04$
 $L_c = 70.04$

C:\del\180\5(49)\DWG\801186/3
LRC TO WATE 3

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	9	14

NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	8/24/98

RIGHT OF WAY
MINERAL/ RIO GRANDE
COUNTY LINE EAST

② REV UNITED STATES FOREST SERVICE

④ CHASE A. WILSON TRUST (1/2 INTEREST)
BOOK 412 PAGE 3
④ MARY M. WILSON TRUST (1/2 INTEREST)
BOOK 412 PAGE 4

Curve Data
P.I. 428+74.35
Δ = 39°47'31" Rt
Ts = 542.08'
Δc = 29°49'01" Rt
Dc = 4°45'00"
Tc = 321.14'
Lc = 627.72'
Rc = 1206.23' Δ

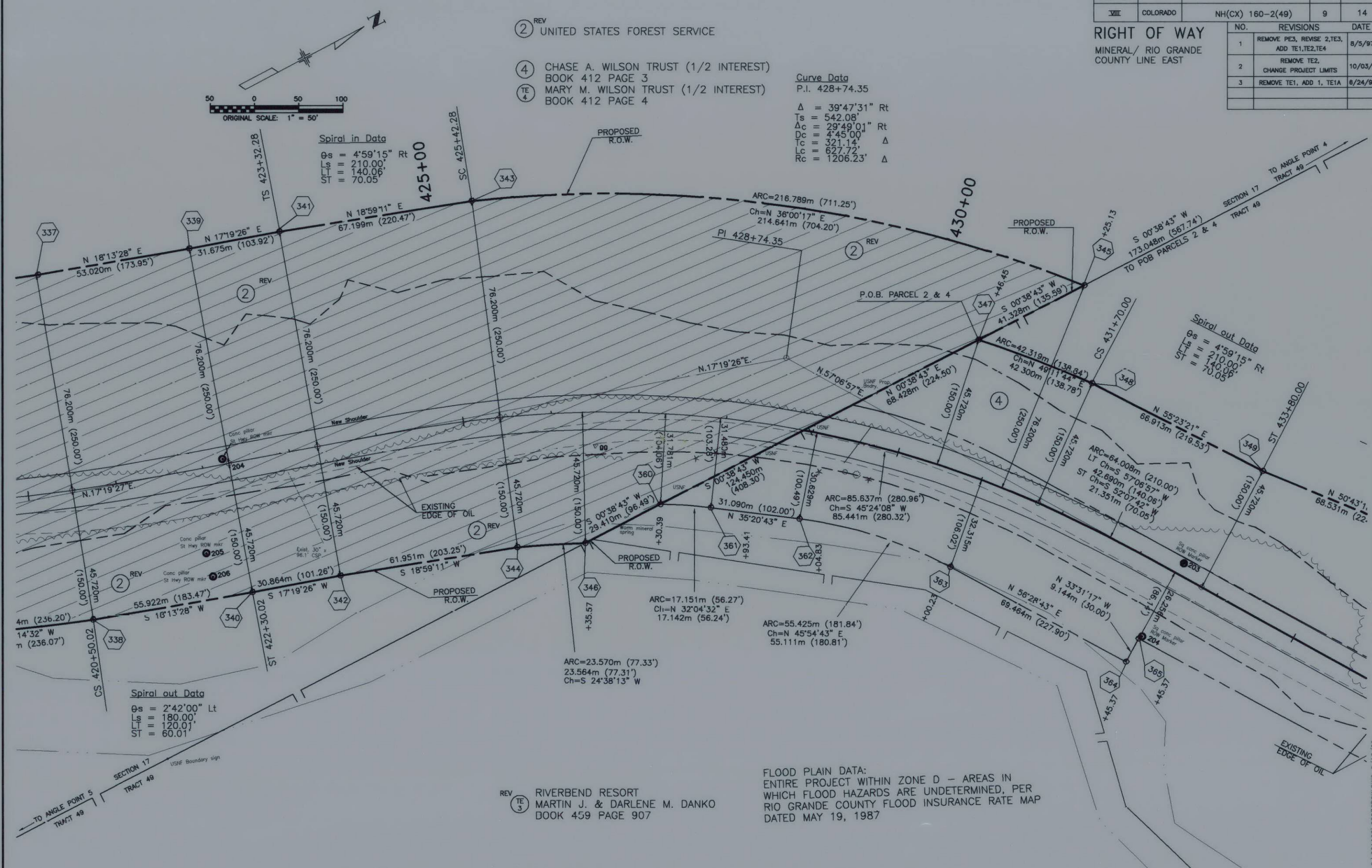
Spiral in Data
θs = 4°59'15" Rt
Ls = 210.00'
LT = 140.06'
ST = 70.05'

Spiral out Data
θs = 4°59'15" Rt
Ls = 210.00'
LT = 140.06'
ST = 70.05'

Spiral out Data
θs = 2°42'00" Lt
Ls = 180.00'
LT = 120.01'
ST = 60.01'

FLOOD PLAIN DATA:
ENTIRE PROJECT WITHIN ZONE D - AREAS IN WHICH FLOOD HAZARDS ARE UNDETERMINED, PER RIO GRANDE COUNTY FLOOD INSURANCE RATE MAP DATED MAY 19, 1987

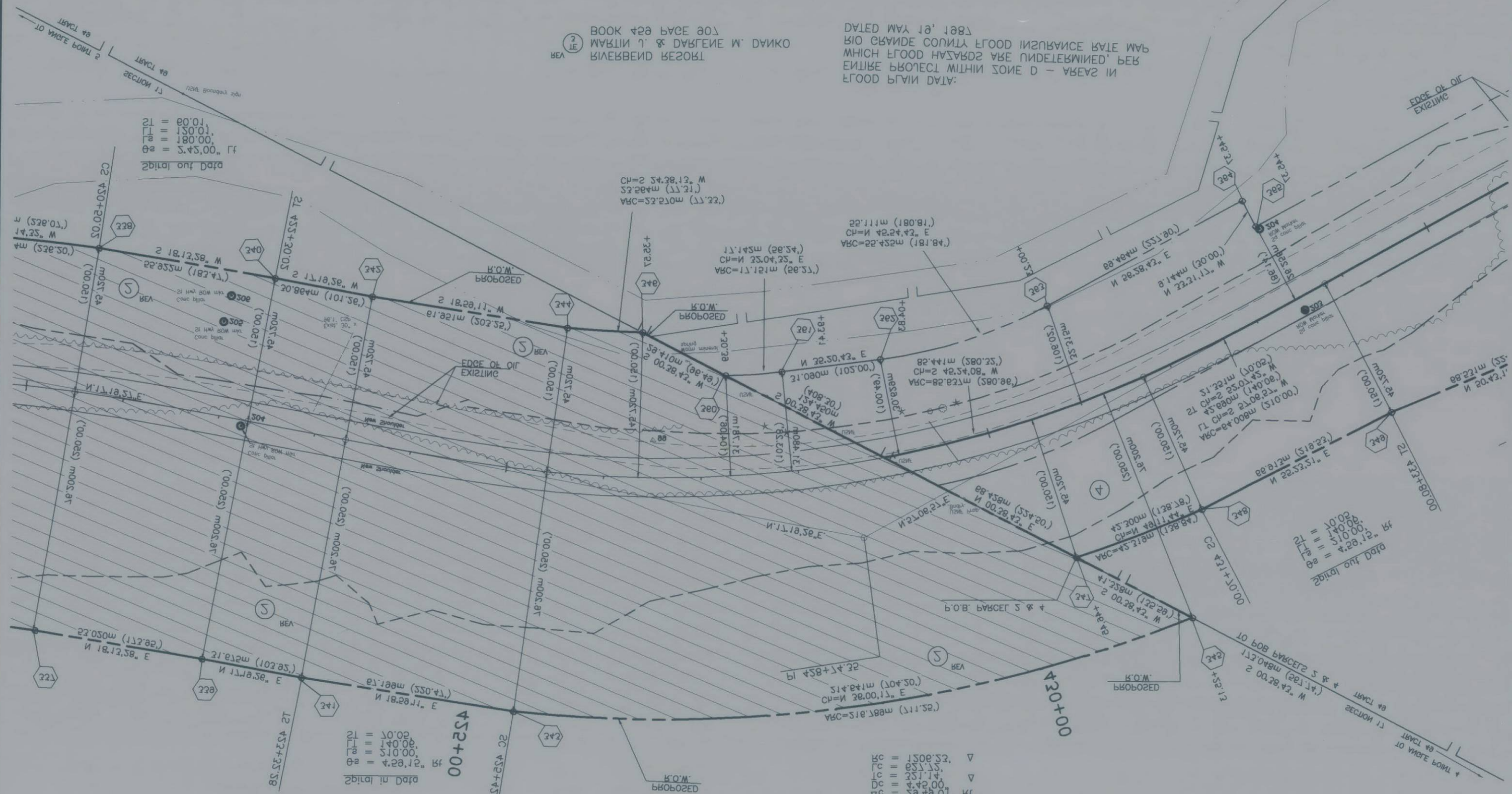
REV ③ RIVERBEND RESORT
MARTIN J. & DARLENE M. DANKO
BOOK 459 PAGE 907



C:\961109\92976ROW.DWG 6/16/99

BOOK 428 PAGE 201
MARTIN J. & DARLENE M. DANKO
BILVERBEND BEZORT

DATED MAY 18, 1981
RIO GRANDE COUNTY FLOOD INSURANCE RATE MAP
WHICH FLOOD HAZARDS ARE UNDETERMINED, PER
ENTIRE PROJECT WITHIN ZONE D - AREAS IN
FLOOD PLAIN DATA:



ST = 80.01,
TL = 180.01,
L = 180.00,
S = 3.45.00. If
spiral out Data

CH=2 34.38.13. W
ST=28.24.42. E
ARC=33.21.00 (11.22.22)

22.11.11 (180.81.)
CH=1 22.24.42. E
ARC=22.24.42 (181.84.)

11.14.35 (28.34.)
CH=1 23.04.25. E
ARC=11.14.35 (28.34.)

21.11.11 (180.81.)
CH=1 22.24.42. E
ARC=22.24.42 (181.84.)

ST = 10.02,
TL = 140.00,
L = 510.00,
S = 4.28.12. If
spiral out Data

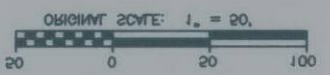
ST = 10.02,
TL = 140.00,
L = 510.00,
S = 4.28.12. If
spiral out Data

HC = 1508.32, Δ
LC = 251.14, Δ
DC = 4.42.00, If
ΔC = 38.48.01, If
LS = 24.5.08,
Δ = 38.47.31, If

B.I. 458+14.32
CURVE DATA

BOOK 413 PAGE 4
MAY M. WIGSON TRUST (1\3 INTEREST)
BOOK 413 PAGE 3
CHASE A. WIGSON TRUST (1\3 INTEREST)

UNITED STATES FOREST SERVICE



COUNTY LINE EAST
MINERAL RIO GRANDE
RIGHT OF WAY

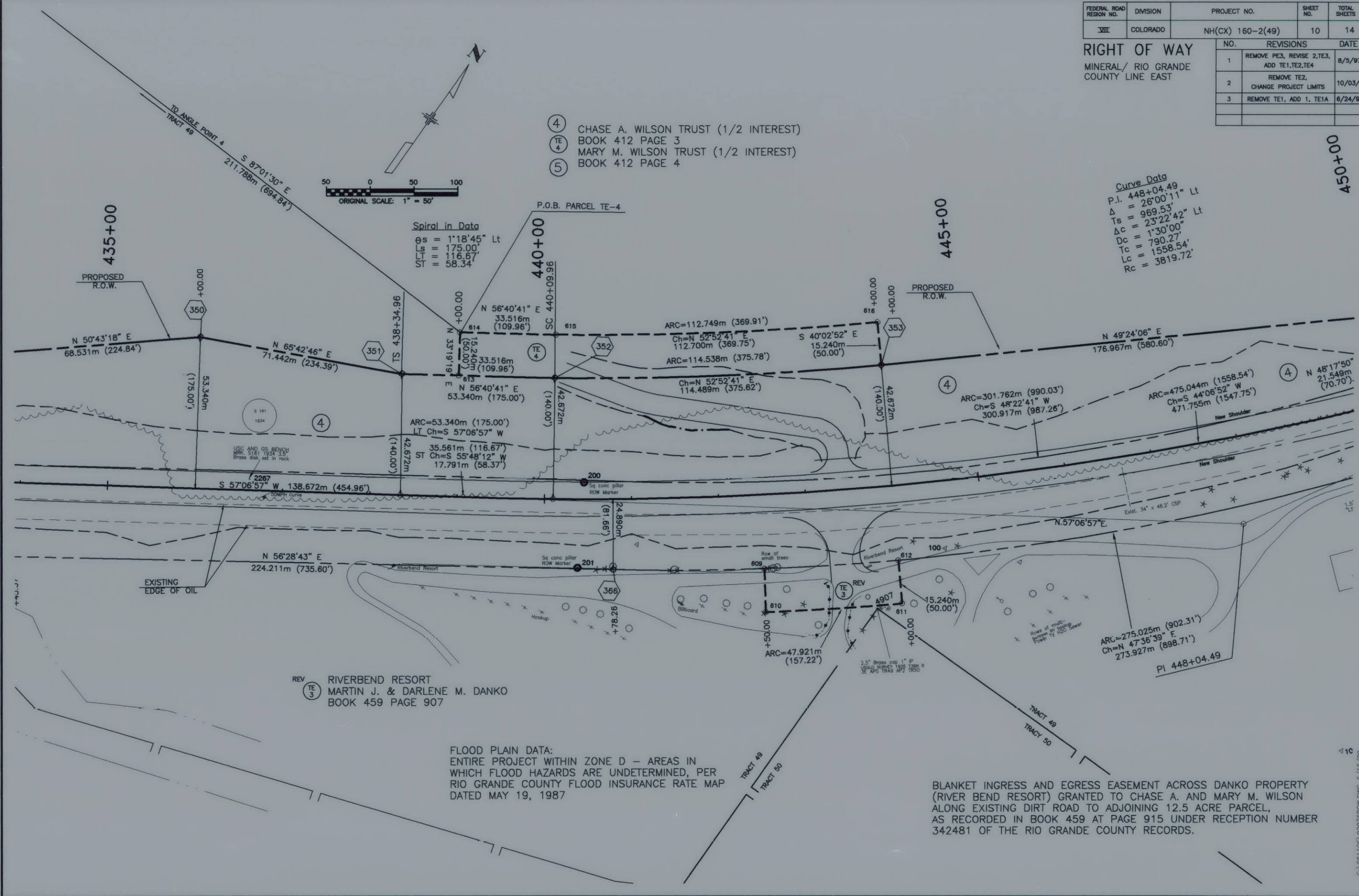
NO.	REVISIONS	DATE
1	ADD 10' WIDE STRIP	6/16/98
2	REMOVE 10' WIDE STRIP	6/16/98
3	CHANGE PROJECT LIMITS	10/10/98
4	REMOVE 10' WIDE STRIP	6/16/98

NO.	REVISIONS	DATE
1	ADD 10' WIDE STRIP	6/16/98
2	REMOVE 10' WIDE STRIP	6/16/98
3	CHANGE PROJECT LIMITS	10/10/98
4	REMOVE 10' WIDE STRIP	6/16/98

NO.	REVISIONS	DATE
1	ADD 10' WIDE STRIP	6/16/98
2	REMOVE 10' WIDE STRIP	6/16/98
3	CHANGE PROJECT LIMITS	10/10/98
4	REMOVE 10' WIDE STRIP	6/16/98

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	10	14

RIGHT OF WAY		
MINERAL/ RIO GRANDE COUNTY LINE EAST		
NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	6/24/98



343481 OF THE BIO GRAFIDE COMPILED RECORDS
AS RECORDED IN BOOK 428 AT PAGE 312 UNDER RECESSION NUMBER
ALONG EXISTING DIST ROAD TO ADJOINING 15.2 ACRES PARCEL
(BUILT BEING BEHOLD) GRANTED TO CHASE A. AND MARY M. MIZSON
BANKER INSURESS AND EGRESS EASEMENT ACROSS DAVID PROBERTY

Hand-drawn survey map showing road layout with bearings and distances. Key features include:

- Top left: Circular feature with radius 20'00" and stationing 12'5+0m.
- Top center: Road segment with bearing N 21°08'21" E and distance 512'05.1m.
- Top right: Road segment with bearing N 41°20'30" E and distance 512'05.1m.
- Middle: Road segment with bearing N 21°08'21" E and distance 512'05.1m.
- Bottom left: Road segment with bearing N 20°13'52" E and distance 200'01.1m.
- Bottom center: Road segment with bearing N 41°20'30" E and distance 512'05.1m.
- Bottom right: Road segment with bearing N 48°13'20" E and distance 512'05.1m.
- Other bearings and distances noted along the road segments include N 41°20'30" E, N 48°13'20" E, and N 41°20'30" E.
- The map includes several circular features, possibly representing trees or manholes, and a dashed line indicating a boundary or centerline.
- The map is oriented with North at the top.

$b_c = 3818.15,$
 $\Gamma_c = 1228.24,$
 $1_c = 180.51,$
 $D_c = 1.30, 0,$
 $\nabla_c = 52.55, \nabla_s, \Gamma_f$
 $1_e = 888.23,$
 $\nabla = 58.00, 1.1, \Gamma_f$
 $b' = 448.04, \nabla$
 Circle Data

(2) BOOK #15 PAGE 4
 (1E) MARY M. MIGSON TRUST (J\5 INTEREST)
 (4) BOOK #15 PAGE 3
 CHASE A. MIGSON TRUST (J\5 INTEREST)

2	REMOVAL 1E1' VDD 1' 1E1V	8/54/88
3	CHANGE PROTECT PIN12 REMOVAL 1E3'	10/02/83
4	VDD 1E1' 1E3' 1E4' REMOVAL 1E2' CHANGE S' 1E3'	8/2/83
100	REMOVAL 1E1' 1E2' 1E3' 1E4' 1E5' 1E6' 1E7' 1E8' 1E9' 1E10'	8/1/83

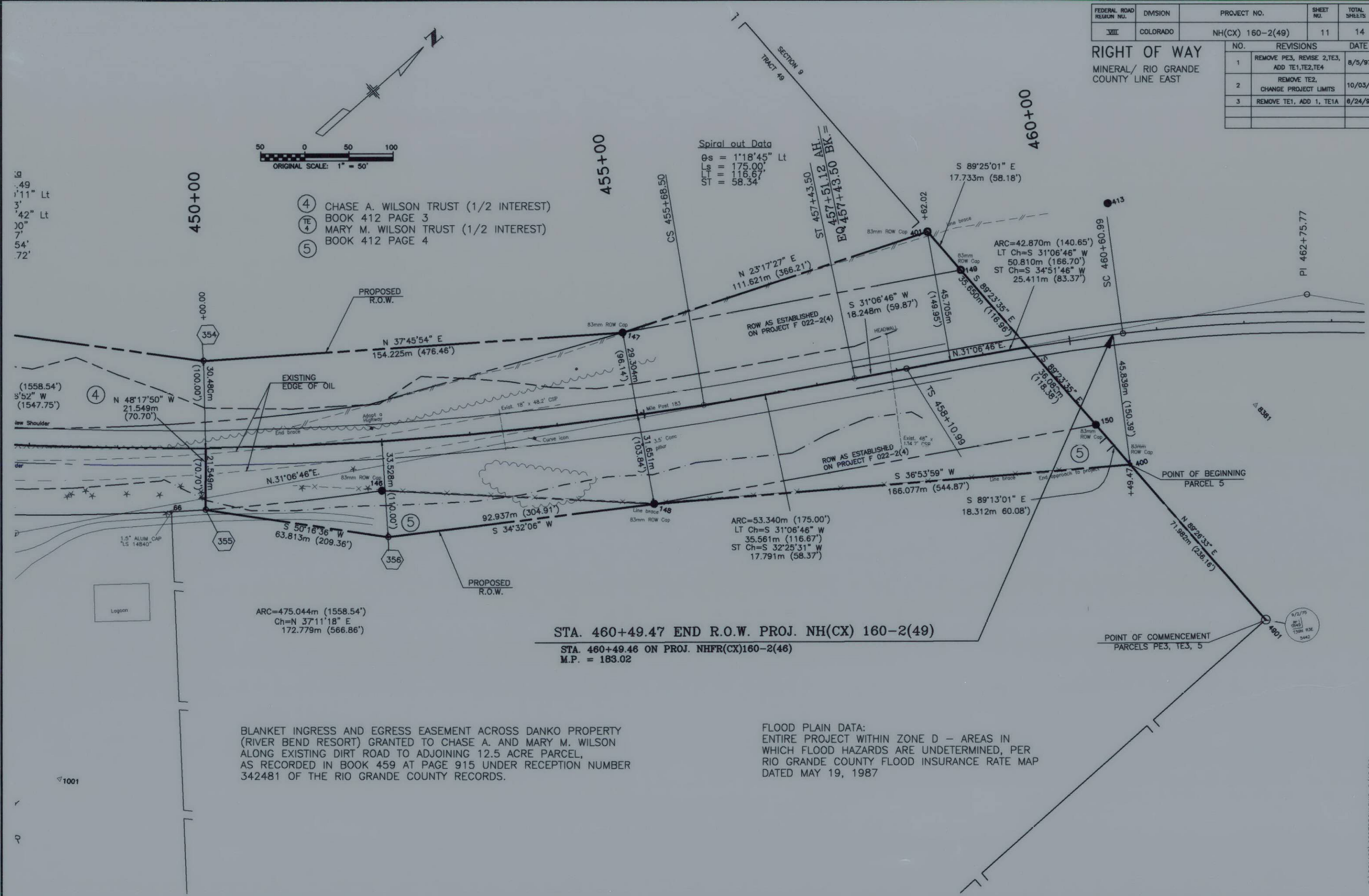
III	COORDINATE	IN(CX) 100-5(40)	10	14
REGION NO. REGION NO.	DIVISION	PROJECT NO.	NO. SHEET	SHEETS TOTAL

COUNTY FINE EAST
MINERAL BIO GRANDE
RIGHT OF WAY

FEDERAL ROAD REVISION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	11	14

NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	8/24/98

RIGHT OF WAY
MINERAL/ RIO GRANDE
COUNTY LINE EAST



BLANKET INGRESS AND EGRESS EASEMENT ACROSS DANKO PROPERTY (RIVER BEND RESORT) GRANTED TO CHASE A. AND MARY M. WILSON ALONG EXISTING DIRT ROAD TO ADJOINING 12.5 ACRE PARCEL, AS RECORDED IN BOOK 459 AT PAGE 915 UNDER RECEPTION NUMBER 342481 OF THE RIO GRANDE COUNTY RECORDS.

FLOOD PLAIN DATA:
ENTIRE PROJECT WITHIN ZONE D - AREAS IN WHICH FLOOD HAZARDS ARE UNDETERMINED, PER RIO GRANDE COUNTY FLOOD INSURANCE RATE MAP DATED MAY 19, 1987

STA. 460+49.47 END R.O.W. PROJ. NH(CX) 160-2(49)
STA. 460+49.46 ON PROJ. NHFR(CX)160-2(46)
M.P. = 183.02

POINT OF COMMENCEMENT
PARCELS PE3, TE3, 5

POINT OF BEGINNING
PARCEL 5

345481 OF THE RIO GRANDE COUNTY RECORDS.
AS RECORDED IN BOOK 415 UNDER RECEPTION NUMBER
ALONG EXISTING DIRT ROAD TO ADJOINING 12.5 ACRE PARCEL,
(RIVER BEND RESORT) GRANTED TO CHASE A. AND MARY M. WILSON
BLANKET INGRESS AND EGRESS EASEMENT ACROSS DANKO PROPERTY

DATED MAY 19, 1987
RIO GRANDE COUNTY FLOOD INSURANCE RATE MAP
WHICH FLOOD HAZARDS ARE UNDETERMINED, PER
ENTIRE PROJECT WITHIN ZONE D - AREAS IN
FLOOD PLAIN DATA:

M.P. = 183.05
STA. 460+48.48 ON PROJ. INTR(CX) 160-S(48)
STA. 460+48.47 END R.O.W. PROJ. INH(CX) 160-S(48)

ARC=425.044m (1528.24')
Ch=N 37.11.18" E
125.778m (568.88')

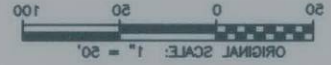
ARC=23.340m (175.00')
LT Ch=2 31.08.48" W
32.581m (116.87')
ST Ch=2 32.52.31" W
17.391m (58.72')

18.315m (60.08')
2 88.13.01" E
2 28.23.28" W

12 428+10.86
11.838m (38.85')

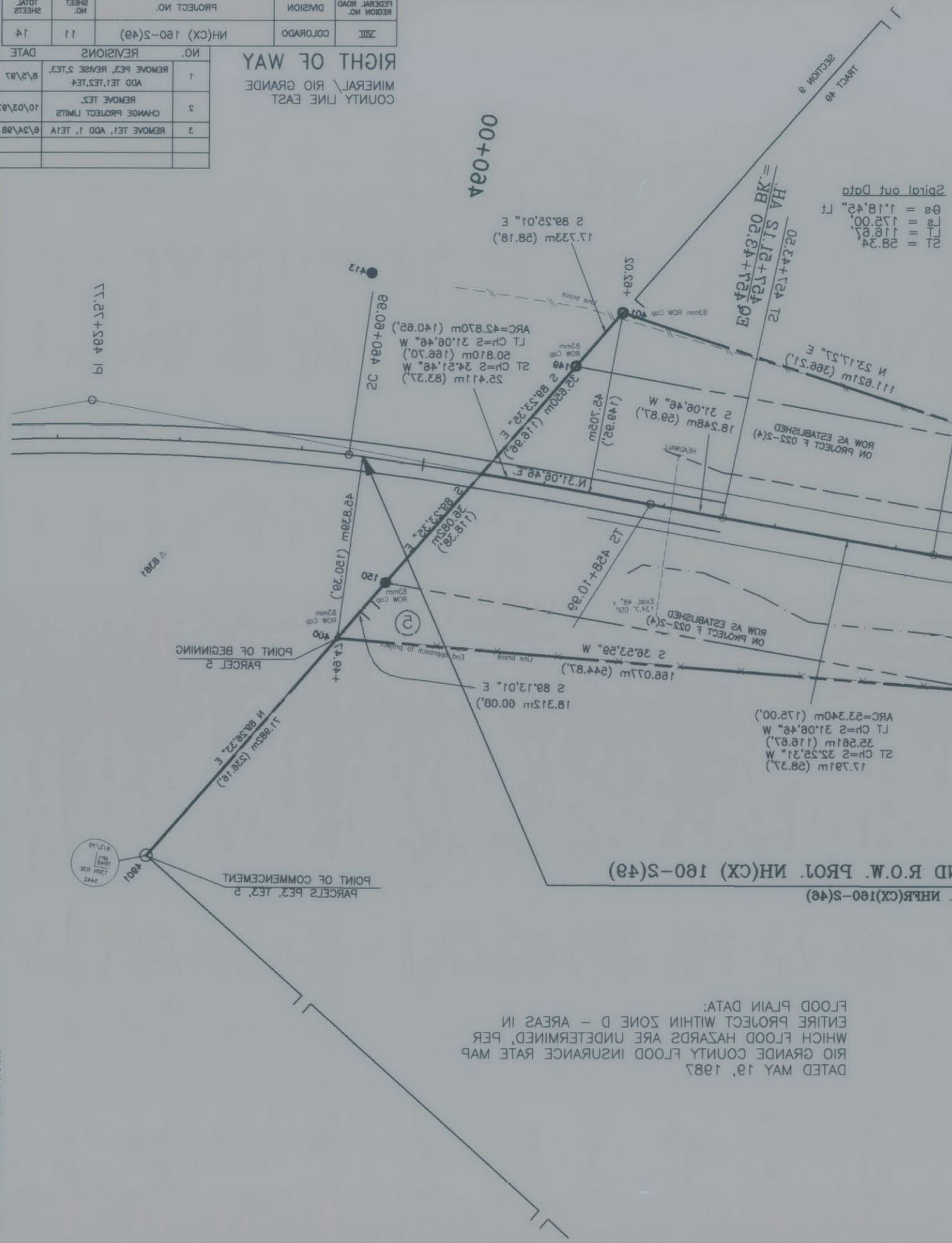
ARC=45.870m (140.82')
LT Ch=2 31.08.48" W
50.810m (166.70')
ST Ch=2 34.21.48" W
52.411m (87.27')

(C)
BOOK 415 PAGE 4
MARY M. WILSON TRUST (1/2 INTEREST)
BOOK 415 PAGE 3
CHASE A. WILSON TRUST (1/2 INTEREST)



PROJECT NO.		DIVISION		REGION NO.	
NH(CX) 160-S(48)		COLORADO		XIII	
SHEET		NO.		TOTAL	
11		14		14	
DATE		NO.		REVISIONS	
8/2/87		1		REMOVE P.C., REVERSE 2.75'	
10/03/87		2		CHANGE PROJECT LIMITS	
8/24/88		3		REMOVE T.E.I. ADD 1' T.E.I.A	

RIGHT OF WAY
MINERAL / RIO GRANDE
COUNTY LINE EAST



TOTAL OWNERSHIP MAP

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	NH(CX) 160-2(49)	12	14

NO.	REVISIONS	DATE
1	REMOVE PE3, REVISE 2,TE3, ADD TE1,TE2,TE4	8/5/97
2	REMOVE TE2, CHANGE PROJECT LIMITS	10/03/97
3	REMOVE TE1, ADD 1, TE1A	8/24/98

RIGHT OF WAY
MINERAL/ RIO GRANDE
COUNTY LINE EAST

① ①A FUN VALLEY INC.

REV ② U. S. FOREST SERVICE
RIO GRANDE NATIONAL FOREST

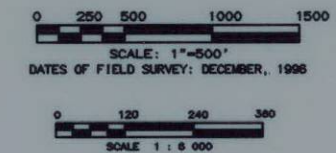
REV ③ RIVERBEND RESORT
MARTIN J. & DARLENE M. DANKO

④ CHASE A WILSON TRUST 1/2 INTEREST
⑤ MARY M. WILSON TRUST 1/2 INTEREST

SEC17
T39N
R3E
NMPM

TRACT 50

SEC16
T39N
R3E
NMPM



SEC18
T39N
R3E
NMPM

SEC19
T39N
R3E
NMPM

TRACT 52

SEC20
T39N
R3E
NMPM

SEC21
T39N
R3E
NMPM

UNITED STATES FOREST SERVICE
MOST OF COUNTY

PROJECT NO.	DIVISION	FEDERAL ROAD NO.	SHEET NO.	TOTAL SHEETS
180-2(48)	COLO. ROAD	XIII	12	14
DATE	NO.	REVISIONS	DATE	
8/2/97	1	REMOVE PCT, REVISE 2, 3, 4	8/2/97	
10/03/97	2	CHANGE PROJECT LIMITS	10/03/97	
8/24/98	3	REMOVE TET, ADD 1, TET 1	8/24/98	

RIGHT OF WAY
MINERAL RIO GRANDE
COUNTY LINE EAST

