

MEMORANDUM

DEPARTMENT OF HIGHWAYS

District V

214 West 6th Street
Durango, Colorado 81301
(303) 259-1241Project FR 0160-2(41)
Alberta Snowshed East

DATE: December 4, 1987

TO: Staff R.O.W. - Al Vonderheid

FROM: A.A. Shablo/R.Crumbaugh

A handwritten signature in dark ink, appearing to read "R. Crumbaugh", is written over the printed name.

SUBJECT: Transmittal of R.O.W. plans for Project FR 0160-2(41),
Alberta Snowshed East

The following material is enclosed:

- 5 -- Sets of black and white prints
- 2 -- Sets of COGO and area calculations

The R.O.W. required for this project is entirely within Forest Service land.
A copy of the Memorandum of Ownership will be sent as soon as possible.

AAS:RC:jd
Enclosure

xc: Shablo/Perino/Watson/File
K.F. Mauro w/prints
John Schneider w/prints
FHWA w/prints

STATE DEPARTMENT OF HIGHWAYS
DIVISION OF HIGHWAYS—STATE OF COLORADO

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	FR 160-2(41)	1	6

RIGHT OF WAY
ALBERTA SNOWSHED -
EAST

REVISIONS

NO.	REVISIONS

CONVENTIONAL SIGNS

County Line
Township or Range Line
Land Lines
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)

Basis of Bearings: All bearings referenced to a line connecting
F.H.W.A. Pnts. 6 (Alum. Cap) and 7 (Alum. Cap)
bearing S69°27'18"E

Date:
Subaccount: 86224
District: 5

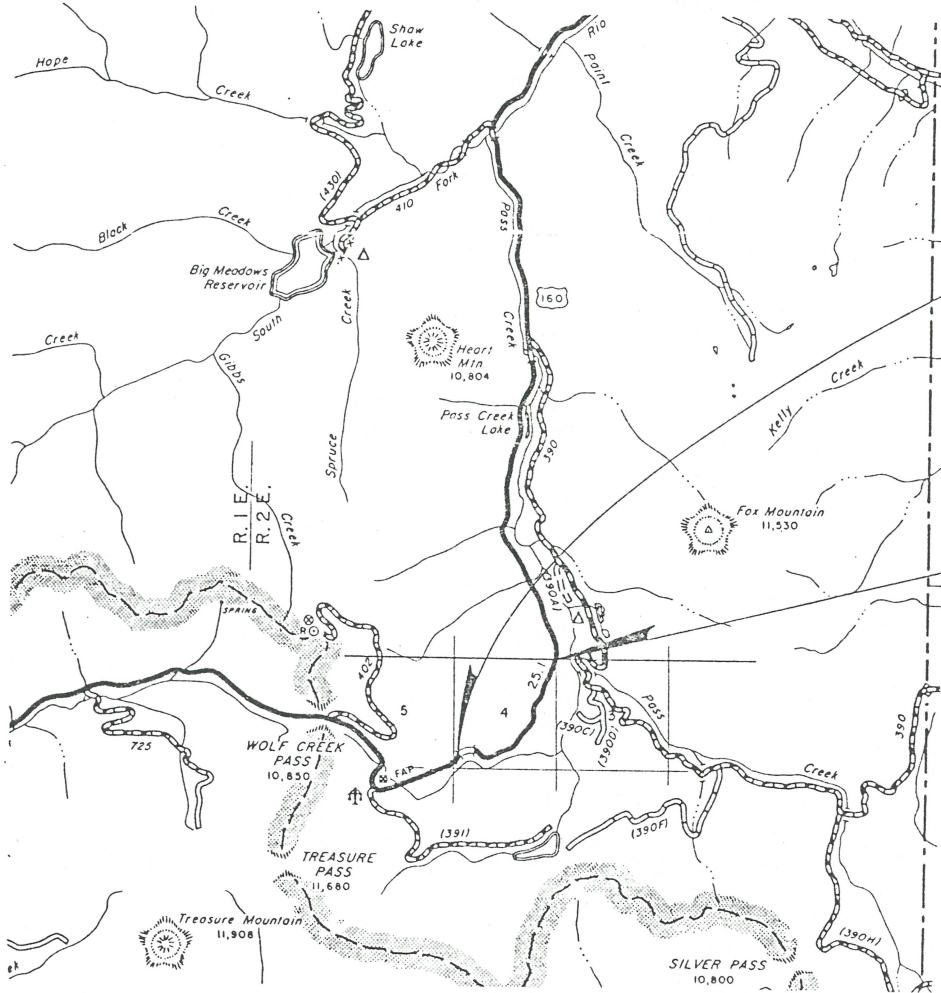
RIGHT OF WAY PLAN OF PROPOSED
FEDERAL AID PROJECT NO. FR 160-2(41)
STATE HIGHWAY NO. 160
MINERAL COUNTY

RIGHT OF WAY

SCALE OF ORIGINAL DRAWINGS

PLAN SHEETS 1"=100'
DETAIL SHEETS 1"=
OWNERSHIP MAPS 1"=

ROW LENGTH OF PROJECT = 1.26 MILES



STA. 111+51.80 BEGIN R.O.W. PROJ. ~ FR 160-2(41)
= STA. 111+51.80 on Proj. FC 160-2(21)

STA. 178+00 END R.O.W. PROJ. ~ FR 160-2(41)
= STA. 327+04.00 on Proj. NRH 243 E

T. 38 N.
T. 37 N.

NOTE:
SECTION LINES SHOWN ARE
THEORETICAL ONLY - BASED ON
MAP OF MINERAL COUNTY.

INDEX OF SHEETS

1. TITLE SHEET
2. TABULATION OF PROPERTIES
3. CONTROL & MONUMENTATION
- 4-6. PLAN SHEETS

DIVISION OF HIGHWAYS

APPROVED:

Albert A. Snobbe 11/20/27
DISTRICT ENGINEER DATE

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DATE

DIVISION ADMINISTRATOR

FEDERAL ROAD REGION NO	DIVISION	PROJECT NO	SHEET NO.
VIII	COLORADO	FR 160-2 (41)	2

R. O. W. TABULATION OF PROPERTIES IN MINERAL

COUNTY

S. H. NO. 160

RIGHT OF WAY

[illegible]

CONTROL AND MONUMENTATION SHEET

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	FR 16C - 2(41)	3	6

RIGHT OF WAY
ALBERTA SNOWSHED-
EAST

REVISIONS

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

SURVEY CONTROL POINT TABULATION

Point No. 	Coordinates	
	North	East
PNT 101	298373.152	1629553.646
PC +		
PNT 102	298522.752	1629293.608
PC -		
PNT 103	298441.225	1629662.200
PT +		
PNT 104	298740.459	1629640.780
PT -		
PNT 105	298450.714	1629794.766
TS +		
PNT 106	298749.949	1629773.348
TS -		
PNT 107	298456.496	1629930.851
SC +		
PNT 108	298756.435	1629936.901
SC -		
PNT 109	298438.334	1630072.707
CS +		
PNT 110	298730.123	1630142.416
SC -		
PNT 111	298398.455	1630202.945
ST +		
PNT 112	298682.641	1630299.060
ST -		
PNT 113	298264.145	1630287.938
TS +		
PNT 114	298643.060	1630416.092
TS -		
PNT 115	298214.129	1630453.384
SC +		
PNT 116	298603.181	1630546.330
SC -		
PNT 117	298216.070	1630957.938
CS +		
PNT 118	298604.395	1630862.003
SC -		
PNT 119	298267.357	1631122.995
ST +		
PNT 120	298645.275	1630991.929
ST -		
PNT 121	298433.404	1631601.777
TS +		
PNT 122	298811.321	1631470.711
TS -		
PNT 123	298495.324	1631763.146
SC +		
PNT 124	298859.664	1631598.050
SC -		
PNT 125	298734.314	1632098.386
CS +		
PNT 126	299009.187	1631807.792
SC -		
PNT 127	298866.673	1632209.540
ST +		
PNT 128	299113.803	1631895.013
ST -		
PNT 129	299100.276	1632393.086
PNT 130	299240.690	1632376.237
PNT 131	299557.343	1632625.039
PNT 132	299742.651	1632389.144
PNT 133	299685.174	1632720.909
PNT 134	299854.696	1632473.397
PNT 135	300053.380	1632895.448
PNT 136	300113.244	1632593.946
PNT 137	300065.373	1632742.211
PNT 138	300157.550	1632456.723
PNT 139	300208.518	1632933.712
PNT 140	300603.893	1633021.847
PNT 141	300791.780	1632602.911
PNT 142	300758.107	1632749.083
PNT 143	300868.934	1632776.044
PNT 144	300793.481	1633066.400
PNT 145	301154.114	1632865.457
PNT 146	301050.284	1633146.916
PNT 147	301344.962	1632940.918
PNT 148	301231.372	1633218.582
PNT 149	302155.614	1633272.548
PNT 150	302042.024	1633550.212
PNT 151	302421.143	1633411.871
PNT 152	302257.213	1633663.122
PNT 153	302511.835	1633471.044
PNT 154	302347.904	1633722.294

Point Designation  Coordinates

	North	East	
PNT 200	298574.970	1629825.739	/ F.H.W.A. PNT. 6 - ALUM. CAP
PNT 201	298373.605	1630363.028	/ F.H.W.A. PNT. 7 - ALUM. CAP
PNT 202	298242.979	1630674.182	/ Temp. Pnt.
PNT 203	298553.819	1631283.089	/ Temp. Pnt.
PNT 204	298783.212	1631875.010	/ Temp. Pnt.
PNT 205	298848.065	1631785.646	/ F.H.W.A. PNT. 8 - ALUM. CAP
PNT 206	299937.821	1632701.423	/ Temp. Pnt.
PNT 207	300615.478	1632668.100	/ Temp. Pnt.
PNT 208	300896.153	1633053.866	/ " "
PNT 209	301427.385	1633096.041	/ " "
PNT 210	302477.462	1633664.559	/ " "

GENERAL NOTES

1. This Right of Way plan is not a complete boundary survey of all adjoining owners and is prepared for Highway Department purposes only.
2. Field survey control precision computed to exceed $\frac{1}{20,000}$.
3. Memorandum of Ownerships supplied by the _____.
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 R.O.W. Markers set from survey control points.
6. All centerline and offset stationing is theoretical only and may not represent the centerline as constructed in the field.
7. All coordinates listed are Project coordinates only.

SURVEYOR CERTIFICATE (FIELD)

Control survey and monumentation was done under my supervision and checking.

Name Rudolph John Tipotsch P.L.S. No. 9187

Date 12/2/87

SURVEYOR CERTIFICATE (OFFICE)

ROW Plans and Legal Descriptions were prepared under my supervision and checking.

Name _____ P.L.S. No. _____

Date _____



FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	FR 160-2(41)	4	6

RIGHT OF WAY
ALBERTA SNOWSHED-
EAST

REVISIONS

NO.	DESCRIPTION	DATE



PROJ.

$\Delta = 37^{\circ}48'48''$ L.I.
 $T_s = 355.72'$
 $\Delta c = 27^{\circ}18'48''$
 $D_c = 7^{\circ}$
 $L_c = 390.19'$
 $R_c = 818.51'$

$\theta_s = 5^{\circ}15'$
 $L_s = 150'$
 $L.T. = 100.04'$
 $S.T. = 355.72'$

P.O.B. PARCEL 1 / TIE: COR. NO. 3 (Brass
Cap) of TRACT 37, T. 37 N., R. 2 E., N.M.P.M.
BEARS $S10^{\circ}52'37''$ W 1734.50 FEET.

STA. 111+51.80 BEGIN R.O.W. PROJ. ~ FR 160-2(41)
= STA. 111+51.80 on Proj. FC 160-2(21)

PROJ.

$\Delta = 55^{\circ}59'37''$ R.I.
 $D_c = 20^{\circ}$
 $T = 152.30'$
 $R_c = 286.48'$
 $L_c = 279.97'$

PROJ.

$\Delta = 22^{\circ}46'51''$ R.I.
 $T_s = 240.11'$
 $\Delta c = 12^{\circ}16'51''$
 $D_c = 7^{\circ}$
 $L_c = 175.44'$
 $R_c = 813.51'$
 $\theta_s = 5^{\circ}15'$
 $L_s = 150'$
 $L.T. = 100.04'$
 $S.T. = 50.04'$

T. 37 N., R. 2 E., N.M.P.M.

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	FR 160-2(41)	5	6

RIGHT OF WAY
ALBERTA SNOWSHED -
EAST

REVISIONS

NO.	DESCRIPTION	DATE

PROJ.

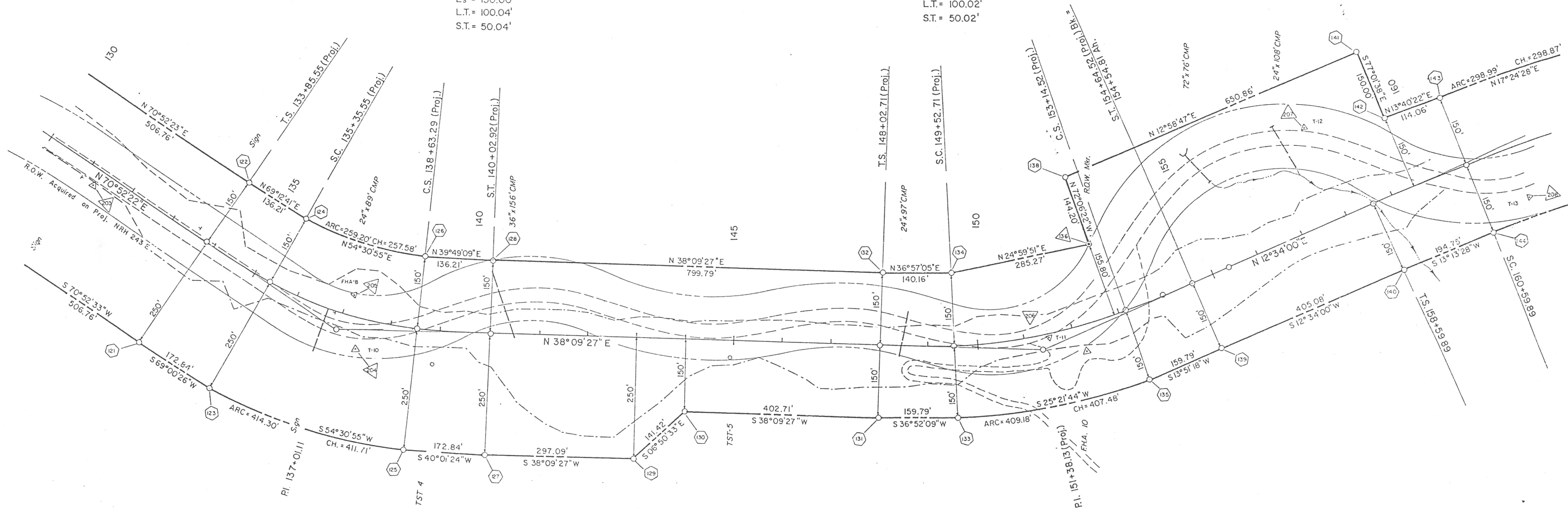
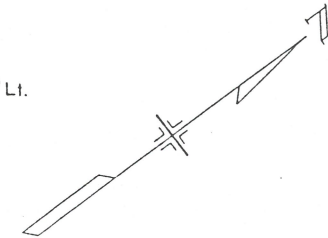
$\Delta = 32^{\circ}42'56''$ Lt.
 $T_s = 315.56'$
 $\Delta c = 22^{\circ}12'56''$
 $D_c = 7^{\circ}$
 $L_c = 317.36'$
 $R_c = 818.51'$

$\theta_s = 5^{\circ}15'$
 $L_s = 150.00'$
 $L.T. = 100.04'$
 $S.T. = 50.04'$

PROJ.

$\Delta = 25^{\circ}35'27''$ Lt.
 $T_s = 335.42'$
 $\Delta c = 18^{\circ}05'27''$
 $D_c = 5^{\circ}$
 $L_c = 361.82'$
 $R_c = 1145.92'$

$\theta_s = 3^{\circ}45'00''$
 $L_s = 150.00'$
 $L.T. = 100.02'$
 $S.T. = 50.02'$

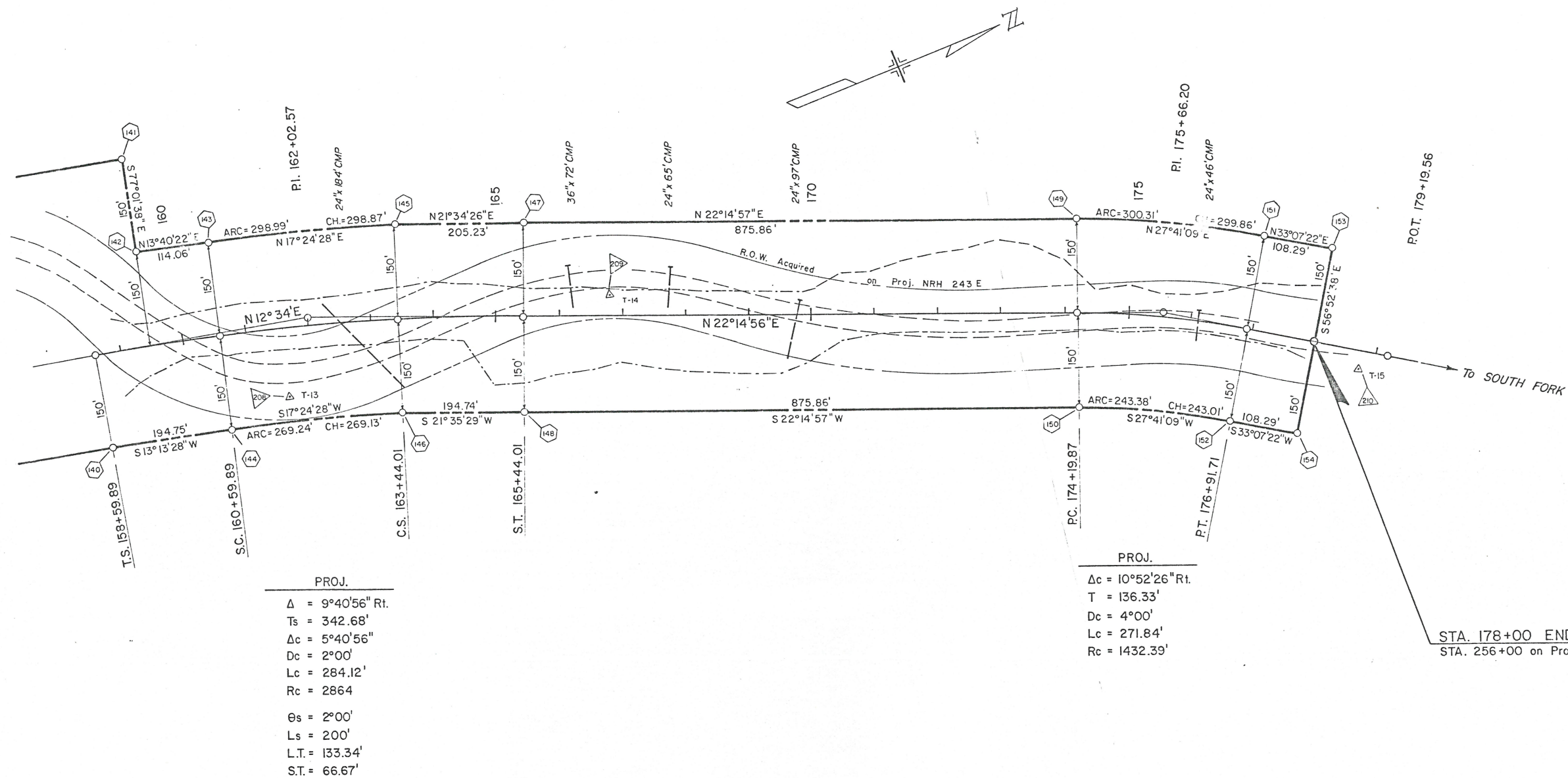


T. 37 N., R. 2 E., N.M.P.M.

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	FR 160-2(41)	6	6

RIGHT OF WAY
ALBERTA SNOWSHED -
EAST

REVISIONS



PROJ.
 $\Delta = 9^{\circ}40'56''$ Rt.
 $T_s = 342.68'$
 $\Delta c = 5^{\circ}40'56''$
 $D_c = 2^{\circ}00'$
 $L_c = 284.12'$
 $R_c = 2864$
 $\theta_s = 2^{\circ}00'$
 $L_s = 200'$
 $L.T. = 133.34'$
 $S.T. = 66.67'$

PROJ.
 $\Delta c = 10^{\circ}52'26''$ Rt.
 $T = 136.33'$
 $D_c = 4^{\circ}00'$
 $L_c = 271.84'$
 $R_c = 1432.39'$

STA. 178+00 END R.O.W. PROJECT ~ FR 160-2(41) =
STA. 256+00 on Project ~ NRH 243 E

T. 37 N., R. 2 E., N.M.P.M.