

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.
9	COLORADO	CC 61-0009-16	1

RIGHT OF WAY S.H. No. 9 - DILLON

COLORADO DEPARTMENT OF HIGHWAYS

PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. CC 61-0009-16 STATE HIGHWAY NO. 9 SUMMIT COUNTY

SHEET NO.

- 1 - Title Sheet
- 2 - Tabulation of Properties
- 3, 3A, 4, 4A, 5 - Plan and Profile Sheets
- 6 - Ownership Map

INDEX OF SHEETS

REVISIONS	
No.	Description
5-3-61	Index
6-15-61	Begin R.O.W. Sta.
9-10-73	Add Sheet 3A to Index

CONVENTIONAL SIGNS

CENTER LINE	PLAN SHEET	TITLE & SHEET
RIGHT OF WAY LINE	R.O.W. MARKER	
COUNTY LINE		
TOWNSHIP OR RANGE LINE		
LAND LINES	SECTION LINE	1/4 SECTION LINE
RAILROAD	TITLE SHEET	PLAN SHEET
BARBED WIRE FENCE		
COMBINATION WIRE FENCE		
SNOW FENCE		
TELEPHONE & TELEGRAPH LINES		
POWER LINE		
DETOUR		
PRESENT ROAD (From Sheets)		

RIGHT OF WAY

SCALES OF ORIGINAL DRAWINGS

ON PLAN	1 IN	100 FT
ON PROFILE	1 IN	100 FT HORIZONTAL
	1 IN	10 FT VERTICAL
GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD		
LENGTH OF PROJECT = 10.97 MILES (R.O.W.)		

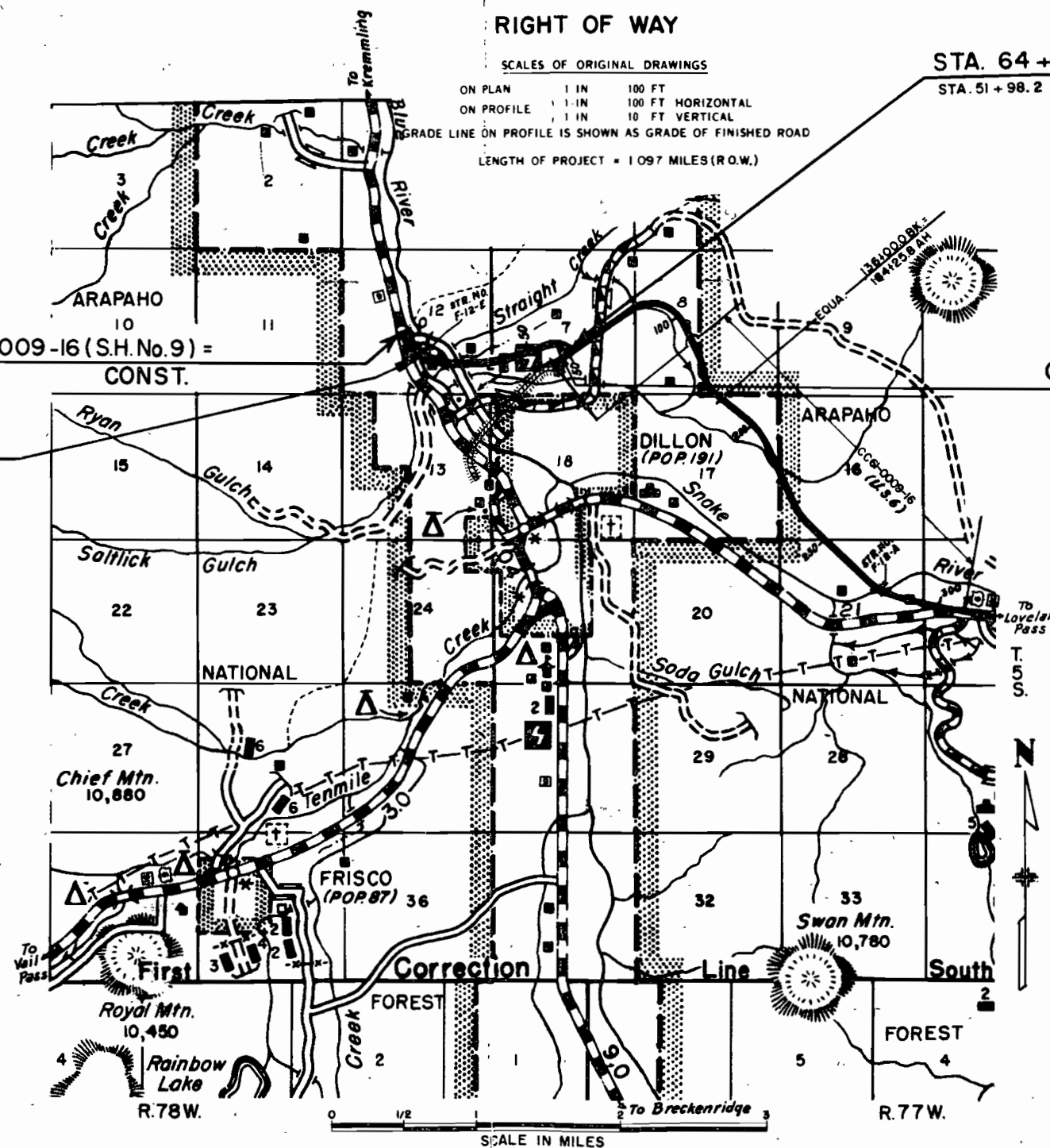
STA. 64 + 04.6 END PROJ. CC 61-0009-16 (S.H. No. 9) CONST.

STA. 51 + 98.2 ON PROJ. CC 61-0009-16 (S.H. No. 6)

STA. 0 + 00 BEG. PROJ. CC 61-0009-16 (S.H. No. 9) =
STA. 1909 + 05.8 ON PROJ. SP 61-9-509
CONST.

P.O.S.T. 4 + 07.5
BEG. R.O.W. CC 61-0009-16

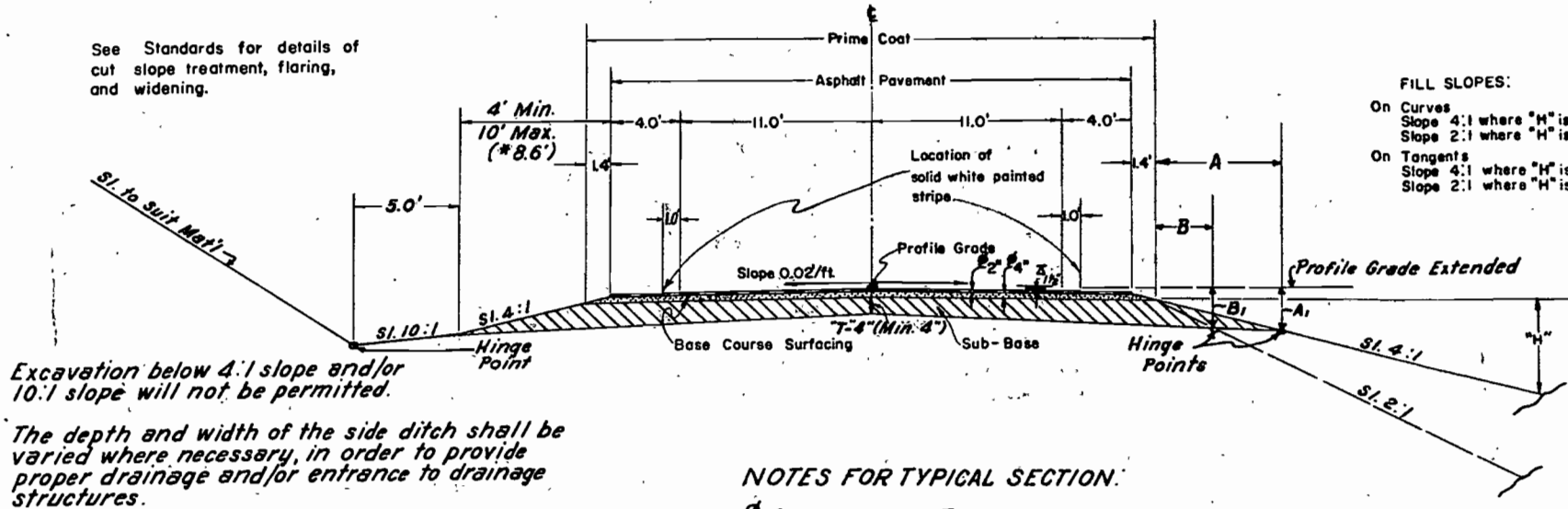
C.S. 62 + 13.7 END R.O.W.
CC 61-0009-16



PROJ. CC 61-0009-16

RIGHT OF WAY S H No 9 - DILLON DAMREMARKS[illegible]

TYPICAL CROSS SECTION OF IMPROVEMENT



FILL SLOPES:

On Curves
Slope 4:1 where "H" is 5' or less
Slope 2:1 where "H" is over 5'

On Tangents
Slope 4:1 where "H" is 3' or less
Slope 2:1 where "H" is over 3'

NOTES FOR TYPICAL SECTION:

Ø Approximate Thickness

"T" - Design Thickness of Sub-Base Material. Material above the subgrade is to be constructed of Sub-Base Material. Locations designated, estimated quantities involved and thickness of material required, are tabulated in the Sub-Base Material Plan.

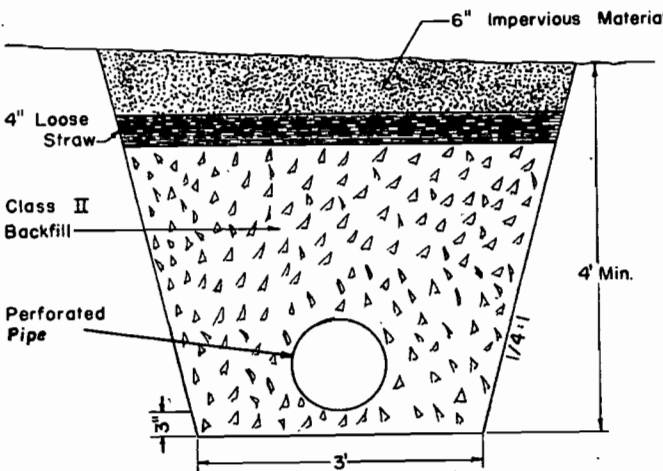
Surfacing Materials shall be placed in separate courses at the following rates per 100 lin. ft. of roadway:

Plant Mixed Asphaltic Surfacing	38 tons
Base Course Surfacing	69 tons

* - Dimensions used for original quantities.

± 1/2" Asphaltic Pavement Future Construction

TYPICAL SECTION OF UNDERDRAIN



GENERAL NOTES

This project is to be constructed in conformity with the Standard Specifications of the Colorado Department of Highways, adopted January 1, 1958.

All quantities on preliminary plans are to be considered approximate only.

All poles encroaching on construction are to be moved by the owners.

Approximate location and quantities involved in construction of intercepting ditches are tabulated in Summary of Earthwork Quantities sheet.

All curves are to be superelevated and widened as provided by the Standard Superelevation sheet included with the plans.

If excavation operations develop materials which will stand on slopes steeper than slope stake lines, the Department reserves the right to change cut slopes during the progress of such excavations.

For preliminary plan quantities of Asphaltic Road Materials the following rates of application were used:

PRIME COAT ----- MC ----- 0.40 Gals. per Sq. Yd.
PAVING ASPHALT ----- 5.5 % by weight of Mix

Rate of application and grade of Asphaltic Material shall be as determined by the Engineer at time of application.

Liquid Asphaltic Road Material application methods which result in discoloration of Concrete Structures, will not be permitted.

Pipes draining Embankment Protectors shall be covered in accordance with Paragraph 45.3.13 of Standard Specifications.

All Pipe Cross Culverts shall be laid without Headwalls on either end unless otherwise noted on the plans.

All Side Approach Roads shall be Primed and Paved with 2" of Asphaltic Surfacing to a distance out from Edge of Asphaltic Surfacing as follows:

Field Approaches ----- 4 Ft.
All other Approaches -- 50 Ft. or to the ROW Line, whichever is less.

Thickness of Sub-Base, Surfacing and Asphaltic Pavement Materials, as shown on plans, is approximate only. These materials are to be placed on the basis of tonnage shown on plans.

It is estimated that Old Road is to be obliterated at the following locations:
Sta. 4+ to 12+, Lt. & Rt.

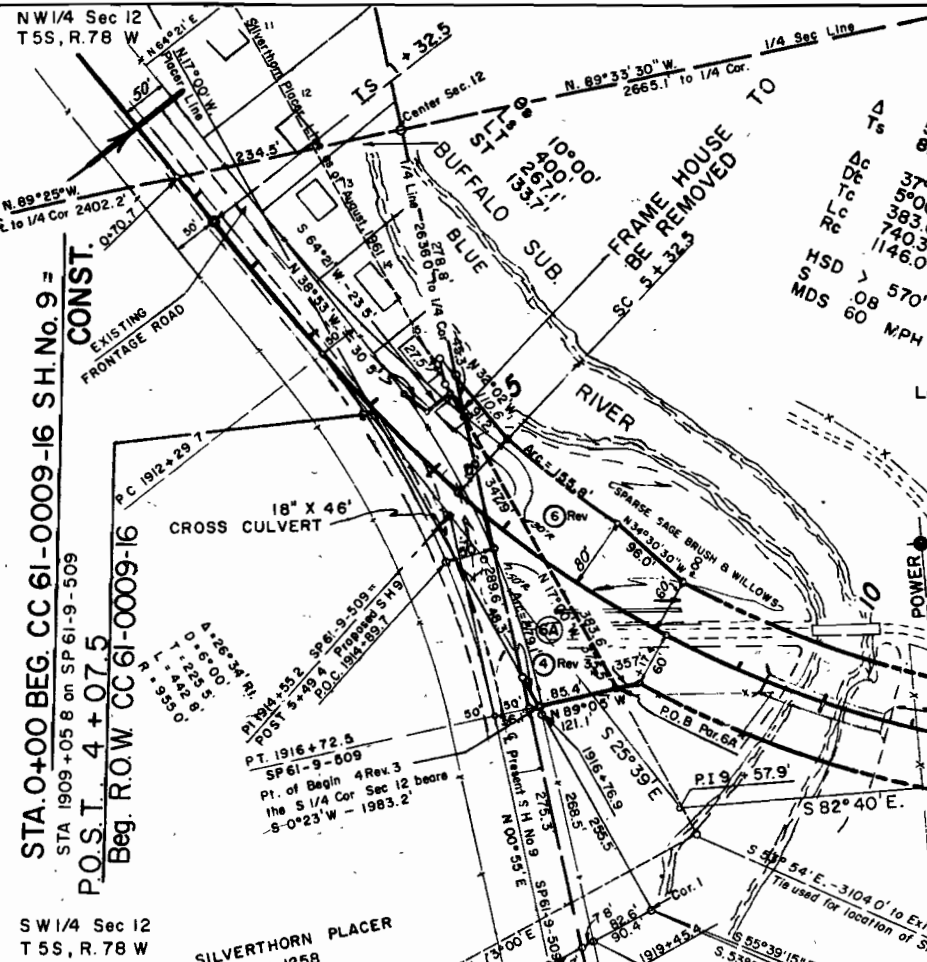
The force account item, 'Clearing of Building Sites, including Removal of Foundation and Appurtenances,' shall include removal of all foundations, wells, outhouses and other appurtenances not removed by the owner, and any necessary backfilling of cellars, cess pools, wells, etc., to provide neat road-side conditions. It is estimated that this item applies at the following locations: Sta. 4+, Lt. and 25+, Rt.

At Bridge Approaches, the Asphaltic Surfacing shall be widened to meet the curbed width of the Bridge and shall take place gradually over a distance of 300 ft., each way from the Bridge Ends.

Grouted Rubble Slope and Ditch Paving (1" thick) will be placed at outlet of Structures, where designated by the Engineer. For estimated Quantities involved in this operation see List of Structures.

HINGE POINTS FOR SUB-BASE MATERIAL

SUB-BASE DESIGN THICKNESS RANGES	"T" - 4" (MIN. 4")	SL. 4:1		SL. 2:1	
		A	A ₁	B	B ₁
6	4	2.2'	-1.4'	1.0'	-1.3'
16	12	7.2'	-2.6'	3.2'	-2.4'



NOTE: Data Leroyed at a slant represents data used prior to August, 1961 but is now changed.
See Sheet 3A for details of Par. 6A.

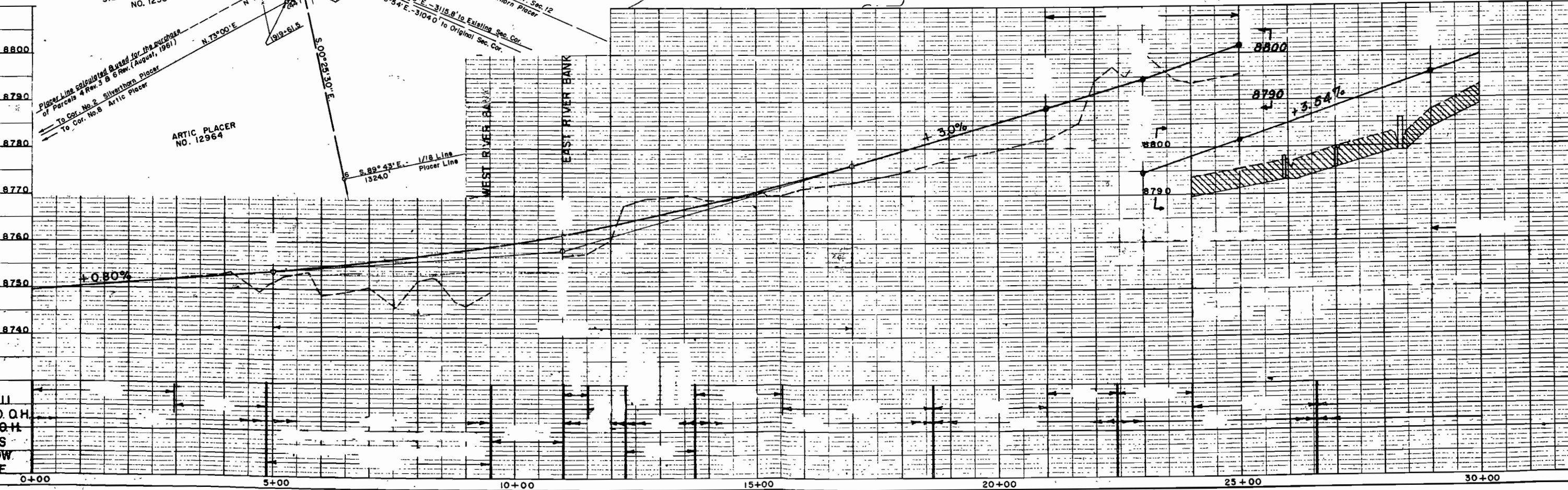
REVISIONS			
5-3-61	1, 3, Deleted, 4 Rev. 2	REC	
6-15-61	4 Rev 3, 6 Rev, 7 Rev.	REC	
9-10-73	Add Par. 6A & Rev. Sheet	KC	

FEDERAL ROAD REGION NO	DIVISION	PROJ. NO	SHEET NO	YS
9	COLO.	CC 61-0009-16	3	SH

S.H. No 9 - DILLON DAM

RIGHT OF WAY

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Rev 1
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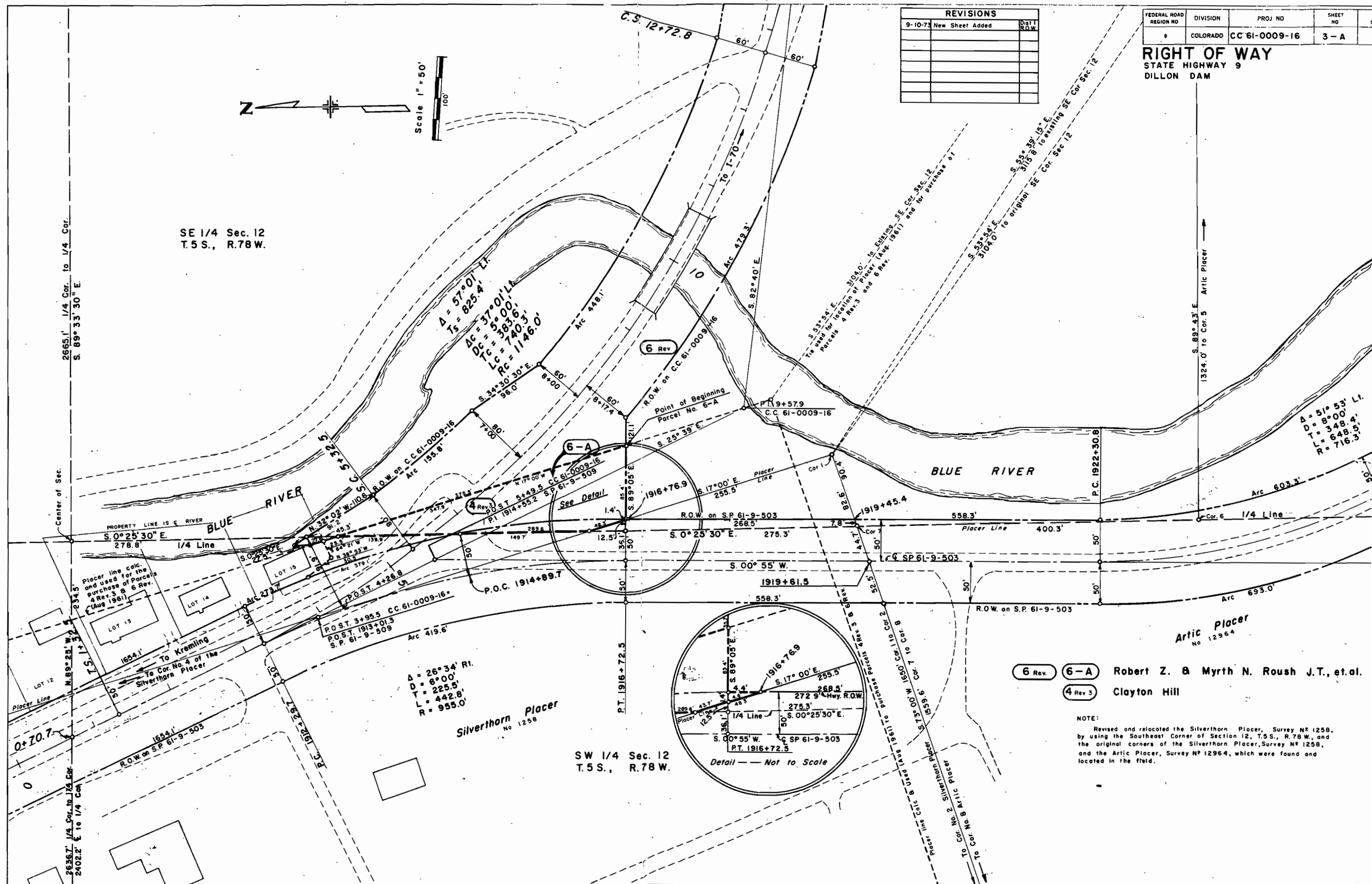


EXCAV
EMB X II
STA. YD. Q.H.
TO M.I.G.H.
EXCESS
BORROW
SOURCE

REVISIONS		
9-10-73	New Sheet Added	Dist. 1 R.O.W.

FEDERAL ROAD REGION NO.	DIVISION	PROJ NO.	SHEET NO.
9	COLORADO	CC 61-0009-16	3-A

RIGHT OF WAY
STATE HIGHWAY 9
DILLON DAM



6 Rev. 6-A Robert Z. & Myrth N. Roush J.T., et.al.
4 Rev. 3 Clayton Hill

5-24-61	E-7	REC
5-15-61	6 Rev, 7 Rev	REC

Rev. 6 Rev. 7 Robert Z & Myrth N Roush, J.T.,
Et ol
E-7

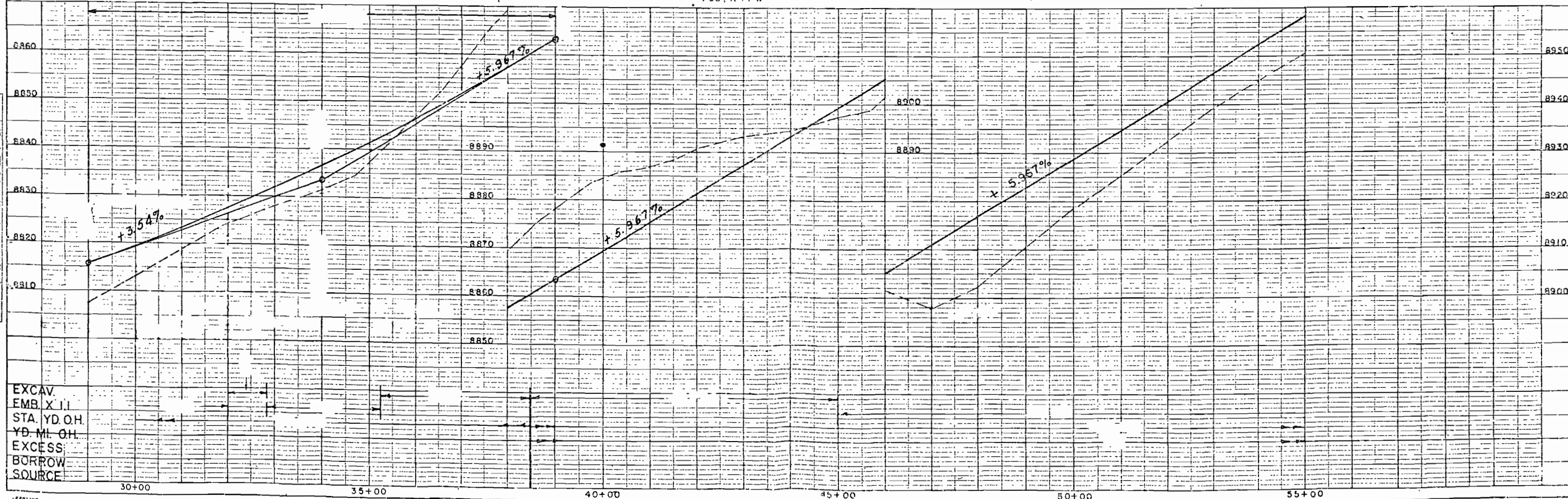


PLATE: PLAN OFFICE G P R & A
WORKS, 1000 14TH ST. N. E.
CHAS. E. CO. & CO. INC.

DONALD C SUTHERLAND INC
CONSULTING CIVIL ENGINEERS

FEDERAL ROAD DIVISION NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	CC 61-0009-16	4A	

REVISIONS		
5-3-61	new sheet	J.C.
5-11-61	Removed Notes	J.C.
5-24-61	E-7	REC
6-15-61	6 Rev., 7 Rev	REC

PTARMIGAN TRAIL ESTATES
Unit I
SW 1/4 Sec. 7, T. 5 S., R. 77 W.

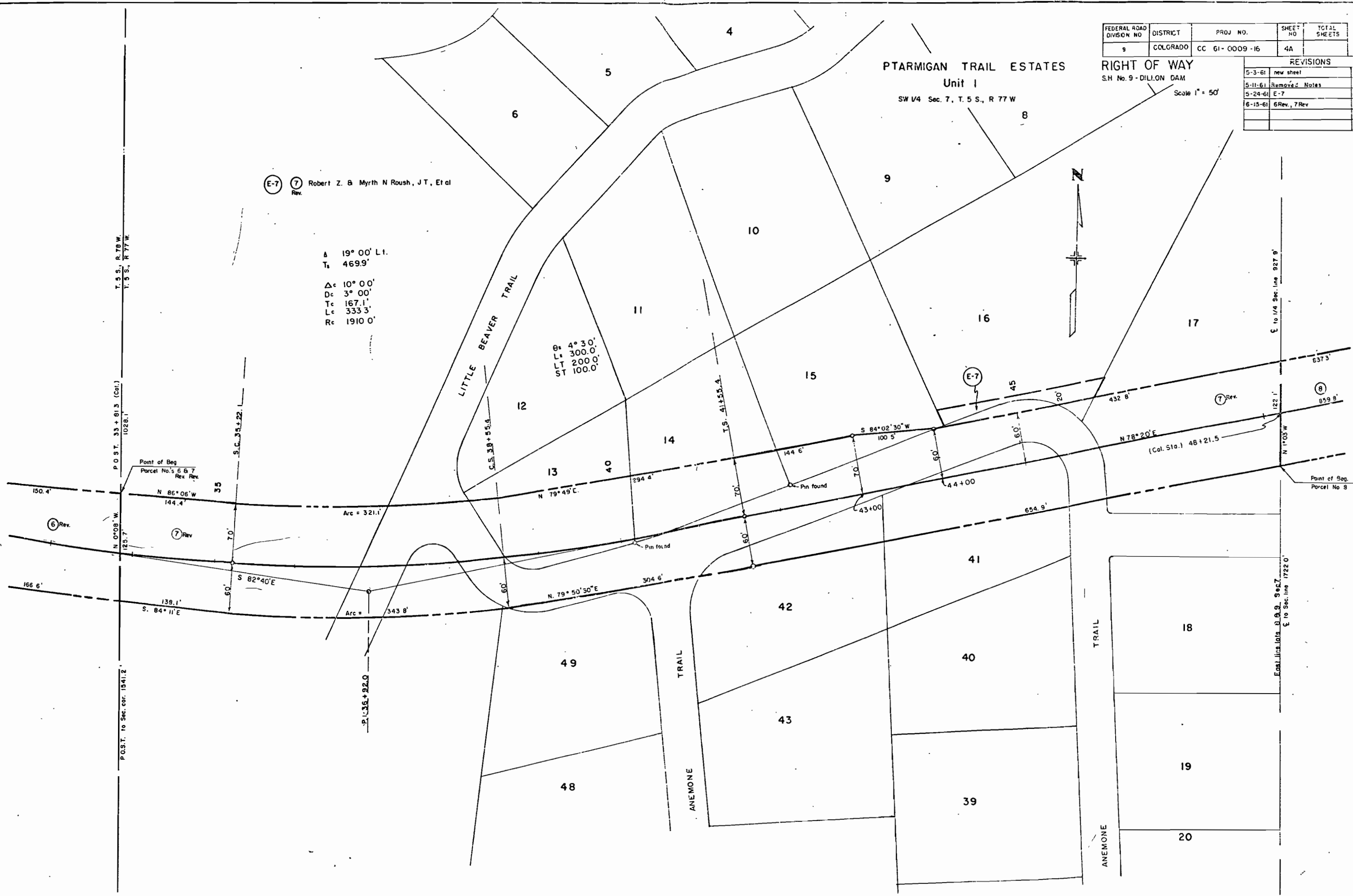
RIGHT OF WAY
S.H. No. 9 - DILLON DAM

Scale 1" = 50'

(E-7) (7) Rev. Robert Z. B. Myrth N Roush, J.T., Et al

Δ 19° 00' Lt.
T_s 469.9'
Δc 10° 00'
Dc 3° 00'
Tc 167.1'
Lc 333.3'
Rc 1910.0'

θ 4° 30'
L 300.0'
LT 200.0'
ST 100.0'



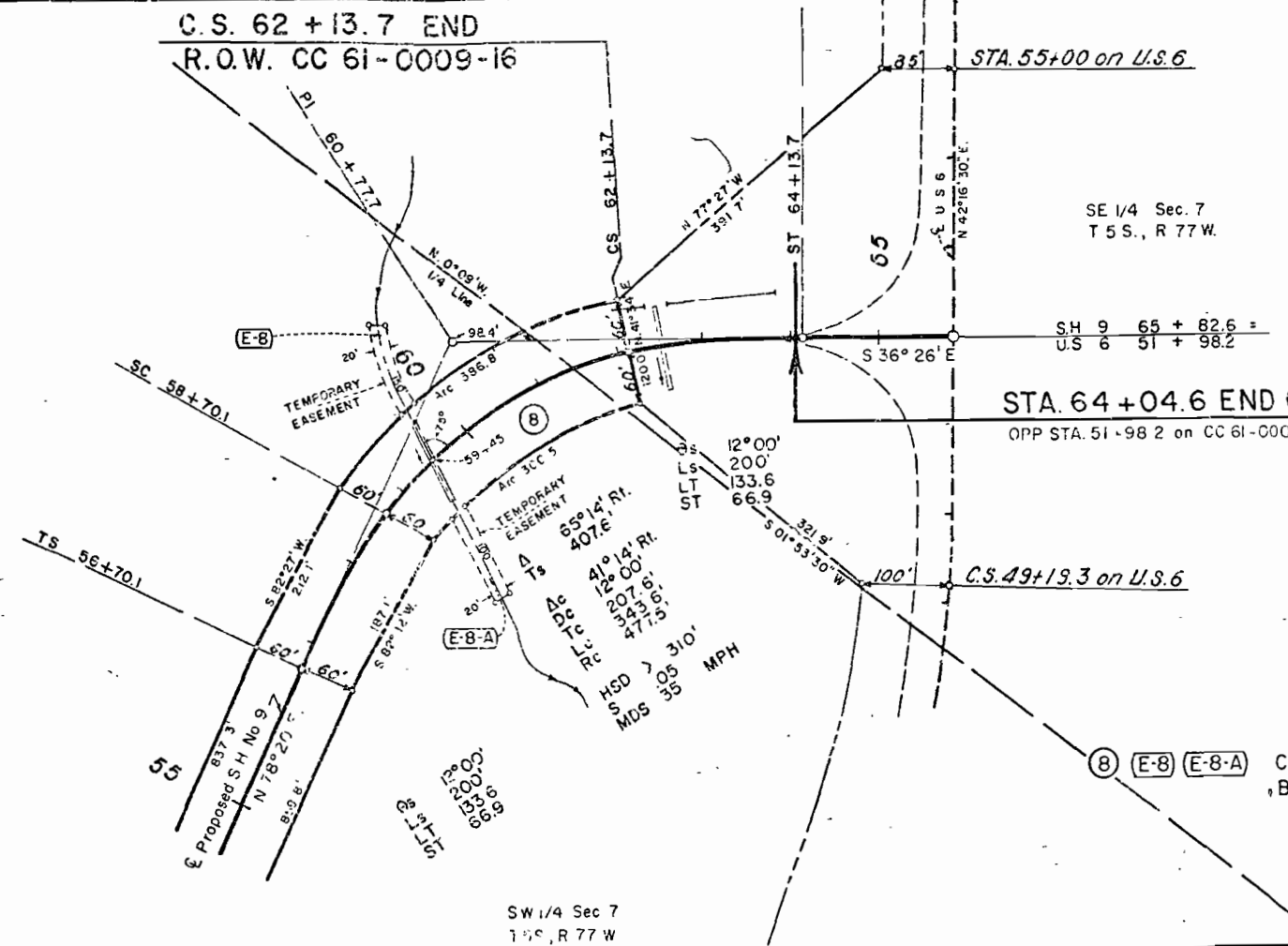
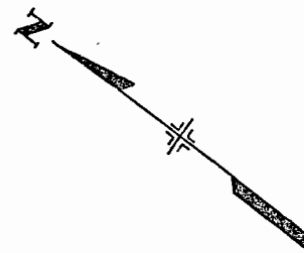
INTERSECTION REALIGNED ON C 61-0006-02

FEDERAL ROAD REGION NO	DIVISION	PRJ NO	SHEET NO	TOTAL SHEETS
9	COLO	CC 61-0009-16	5	

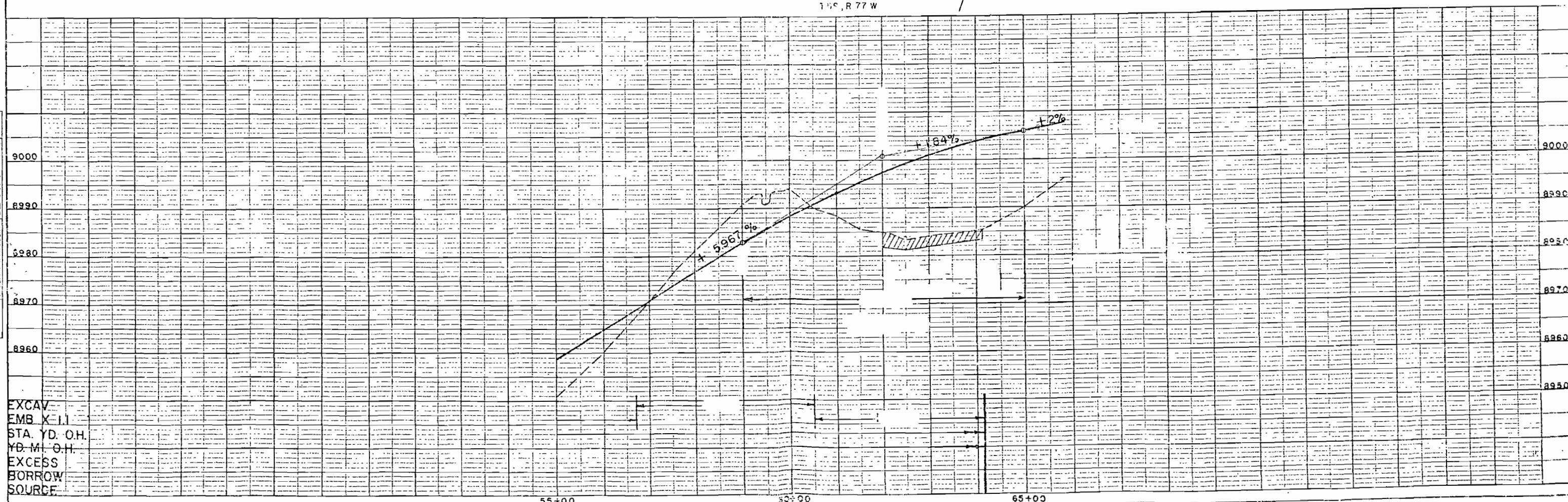
S.H. No 9 - DILLON DAM

RIGHT OF WAY

REVISIONS		
4-10-61	1/4 Line	REC



City & County of Denver,
Board of Water Commissioners



DONALD C SUTHERLAND INC.
CONSULTING CIVIL ENGINEERS

Alteration of the Sub-Base Material Plan and/or Surfacing Plan as here outlined will be allowed only on written permission from the Department.

MATERIAL TO BE PLACED	SOURCE	AVAIL.	0.1" THICKNESS APPROX. INCHES	QUANTITY		OVERHAUL	
					CLASS 2		TON MILES
					TONS		
<i>Approach to Project</i> <i>0+00 to 9+32.25</i> <i>9+32.25 to 10+67.75 Bridge</i>	<i>Pit No. 2</i> <i>500 Ft to</i> <i>Sta. 23+00</i> <i>"R" = 75 ±</i>	22,000	6"		50 923		27 408
<i>10+67.75 to 23+00</i> <i>23+00 to 27+00</i> <i>27+00 to 64+04.6</i>			6" 6" 16"		1220 396 12,410		258 53 6469
<i>Estimated for Widening</i> <i>56+ to 64+</i> <i>Estimated for Irreg.</i>					526 1,558		422 765
<i>Estimated for Widening at Bridge</i>					50		17
PROJECT TOTALS					17,133		8,419

SURFACING PLAN

MATERIAL TO BE PLACED	SOURCE	AVAIL.	QUANTITY		OVERHAUL	
			TONS USED		TON MILES	
		CU. YDS.	PLANT MIX	BASE COURSE	PLANT MIX	BASE COURSE
Approach to Project 0+00 to 9+32.25	Plant Mix Pit No. 2 500 Ft to Sta. 23+00	22,000	38 354	35 643	20 156	174 3,132
9+32.25 to 10+67.75 Bridge			468	850	99	3,944
10+67.75 to 23+00			1,560	2,832	754	11,711
23+00 to 64+04.6						
Estimated for Widening Sta 56+ to 64+ Road Approaches	Base Course Pit No. 1 19 781.5 Ft to Sta. 64+04.6 "R" = 80+	94,000	66 132	120 474	53 24	458 2,260
Estimated for Widening at Bridge			18	34	6	162
Estimated for Shoulder Roll					15	
PROJECT TOTALS			2,636	4,988	1,127	21,841

STATION	SIDE	SPACING		NO.
0+16 to 7+97	Rt.	5° Curve		8
8+68 to 11+32	Lt. & Rt.	Bridge		8
12+07 to 17+90	Rt.	5° Curve		5
28+35	Lt. & Rt.	Culv't		2
29+67 to 36+94	Rt.	3° Curve		6
46+00 to 54+00	Rt.	200'		5
55+00	Lt. & Rt.	Culv't		2
59+45	Lt. & Rt.	Culv't		2
60+79 to 64+03	Lt. & Rt.	27'		26
PROJECT TOTAL				64

STATION	SIDE	NO.
<i>T.S. 1+32.5</i>	<i>Rt. & Lt.</i>	<i>2</i>
<i>S.T. 16+72.8</i>	<i>Rt. & Lt.</i>	<i>2</i>
<i>T.S. 32+22.10</i>	<i>Rt. & Lt.</i>	<i>2</i>
<i>S.T. 41+55.43</i>	<i>Rt. & Lt.</i>	<i>2</i>
<i>T.S. 56+70.06</i>	<i>Rt. & Lt.</i>	<i>2</i>
<i>Δ C.S. 62+13.69</i>	<i>Rt. & Lt.</i>	<i>2</i>
PROJECT TOTAL		12

Δ = Reference to Semi-Tangent

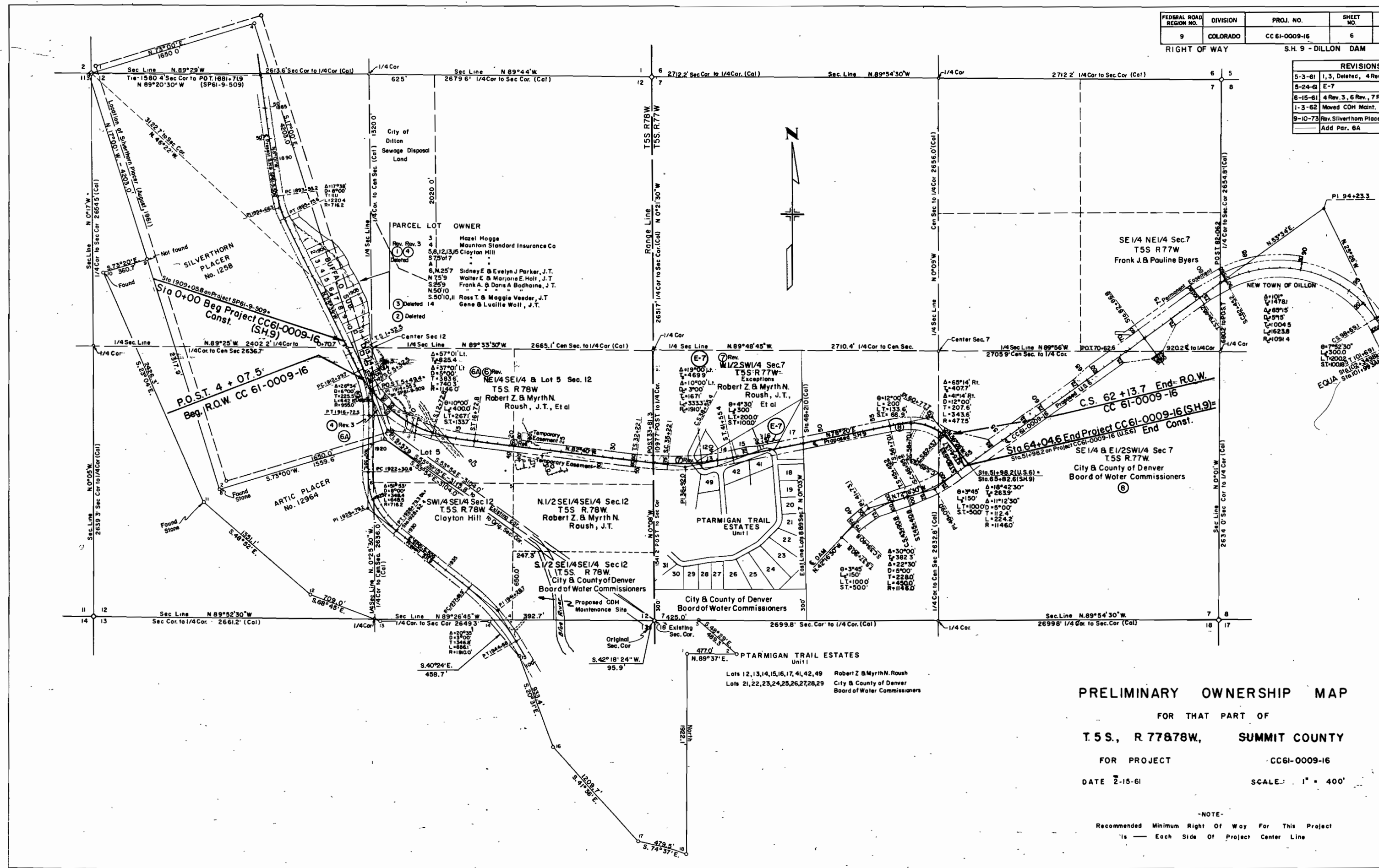
ASPHALTIC SHOULDER ROLL AND METAL EMBANKMENT PROTECTORS

STATION	SIDE		PLANT MIXED ASPHALTIC SHOULDER ROLL		STRUCT. EXCAV.		METAL EMBANK. PROTECTORS		CORR. METAL CULVT PIPE
			LIN. FT.		CU. YDS.		EACH		LIN. FT.
							TYPE - 3		12"
6+50 to 9+32	Lt.		282						
6+60	Lt.				1		1	10	
25+00 to 31+00	Lt.		600						
25+10	Lt.				1		1	10	
25+00 to 29+00	Rt.		400						
25+10	Rt.				1		1	10	
45+50 to 55+50	Rt.		1,000						
45+60	Rt.				1		1	10	
50+50	Rt.				2		1	26	
46+50 to 52+50	Lt.		600						
46+60	Lt.				1		1	10	
61+05 to 64+05	Rt.		300						
61+15	Rt.				1		1	10	
PROJECT TOTALS		/	3182 = 49 Tons		8		7	86	

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.
9	COLORADO	CC61-0009-16	6

RIGHT OF WAY S.H. 9 - DILLON DAM

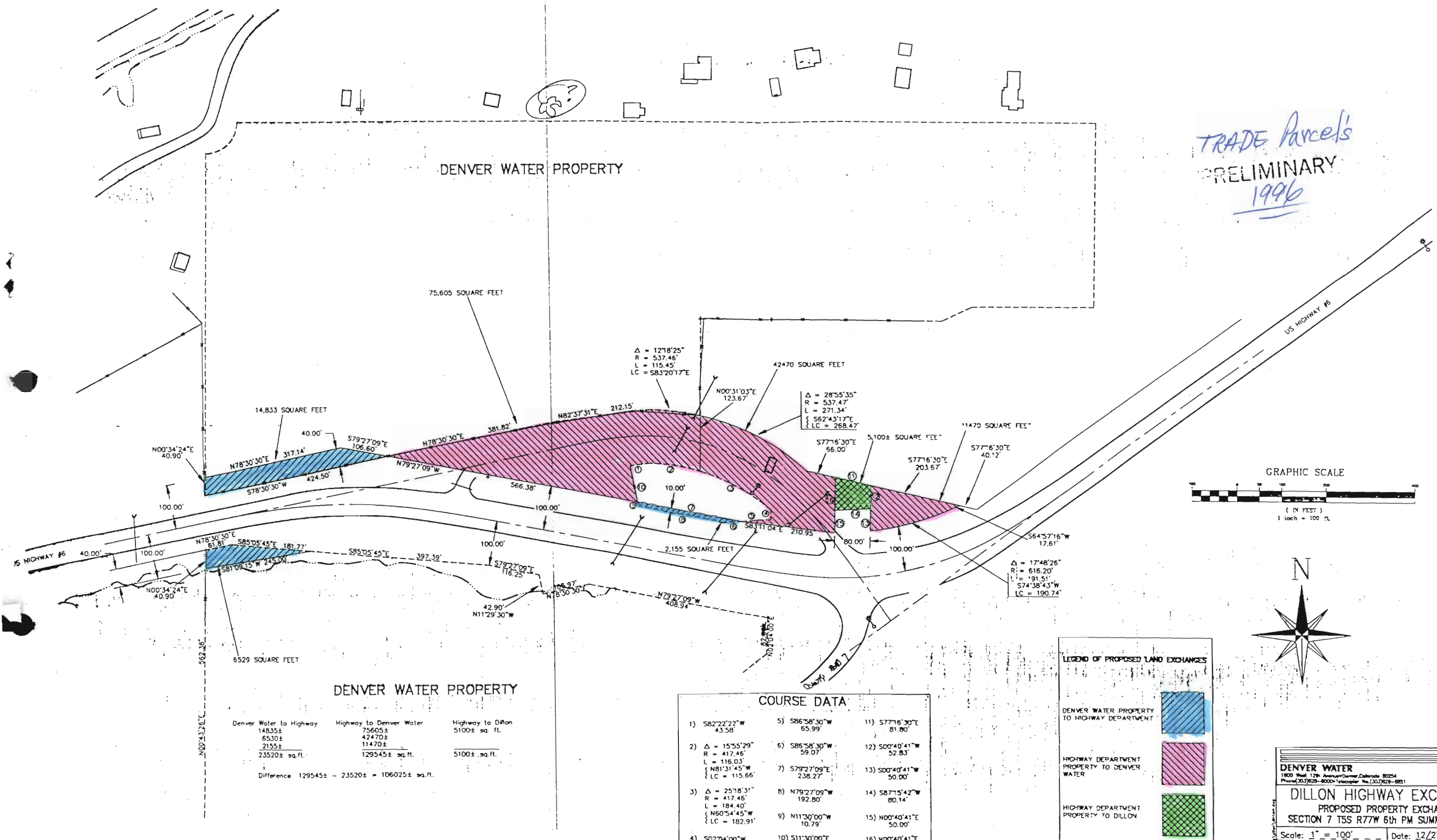
REVISIONS	
5-3-61	1, 3, Deleted, 4 Rev.
5-24-61	E-7
6-15-61	4 Rev. 3, 6 Rev. 7 Rev.
1-3-62	Moved COH Maint. S
9-10-73	Rev. Silverthorn Placer
	Add Par. 6A



PRELIMINARY OWNERSHIP MAP
FOR THAT PART OF
T.5S., R.77&78W., SUMMIT COUNTY
FOR PROJECT **CC61-0009-16**
DATE **2-15-61** SCALE: **1" = 400'**

-NOTE-
Recommended Minimum Right Of Way For This Project
Is — Each Side Of Project Center Line

TRADE Parcel's
PRELIMINARY
1996



DENVER WATER PROPERTY

Denver Water to Highway	Highway to Denver Water	Highway to Dillon
14835±	75605±	5100± sq. ft.
6530±	42470±	
2155±	11470±	
23520± sq. ft.	129545± sq. ft.	
Difference 129545 - 23520 = 106025± sq. ft.		

COURSE DATA

1) S82°22'22"W 43.58'	5) S86°58'30"W 65.99'	11) S77°16'30"E 81.80'
2) Δ = 15°55'29" R = 417.46' L = 116.03' N81°31'45"W LC = 115.66'	6) S86°58'30"W 59.07'	12) S00°40'41"W 52.83'
3) Δ = 25°18'31" R = 417.46' L = 184.40' N60°54'45"W LC = 182.91'	7) S79°27'09"E 238.27'	13) S00°40'41"W 50.00'
4) S02°04'00"W 21.17'	8) N79°27'09"W 192.80'	14) S87°15'42"W 80.14'
	9) N11°30'00"W 10.79'	15) N00°40'41"E 50.00'
	10) S11°30'00"E 82.86'	16) N00°40'41"E 74.68'

DENVER WATER
1800 West 12th Avenue Denver, Colorado 80254
Phone (303) 628-8000 Telefax (303) 628-6851

DILLON HIGHWAY EXCHANGE
PROPOSED PROPERTY EXCHANGE
SECTION 7 T5S R77W 6th PM SUMMIT COUNTY

Scale: 1" = 100' Date: 12/27/95
Drawn: R. BUSHEN Checked: J. CARPENTER
Approved: _____ Dr. _____ No. _____