

STATE DEPARTMENT OF HIGHWAYS

DIVISION OF HIGHWAYS—STATE OF COLORADO

PE, R.O.W. & UTILITIES
UNDER PROJECT
CC 04-0025-19

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET
XIII	COLORADO	CC 04-0025-19	1

RIGHT OF WAY BRIARGATE INTERCHANGE	REVISIONS
	6-29-87 ADD SHEET 5

RIGHT OF WAY PLAN OF PROPOSED
PROJECT NO. CC 04-0025-19
STATE HIGHWAY NO. 25
EL PASO COUNTY
RIGHT OF WAY

SCALES OF ORIGINAL DRAWINGS

PLAN SHEETS 1"=50' &
1"=100'

OWNERSHIP MAPS 1"=400'

R.O.W. LENGTH OF PROJECT = 1.174 MILES

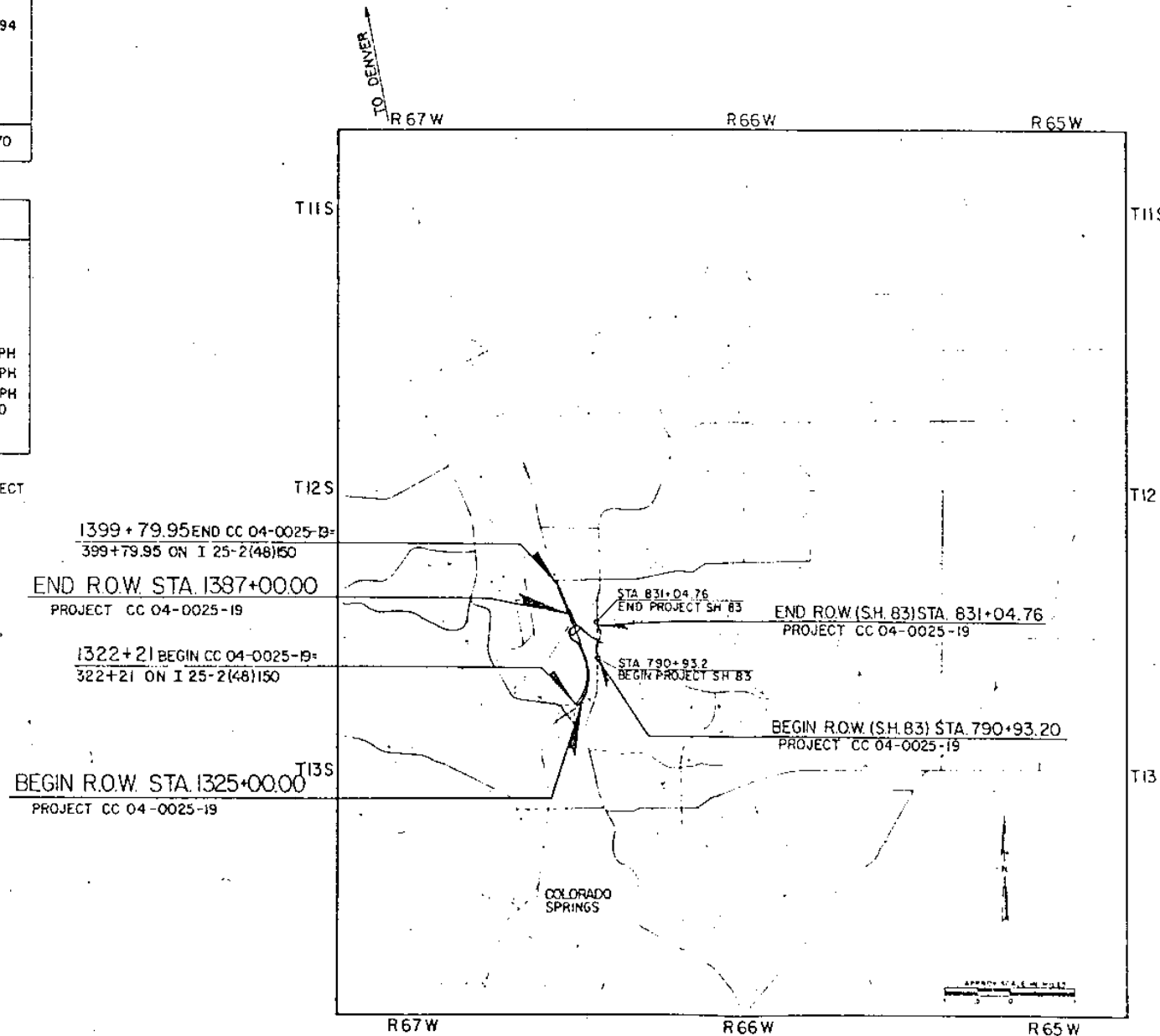
INDEX OF SHEETS

SHEET NO.	1	TITLE SHEET
	2-3	PLAN SHEETS SHOWING R.O.W. REQUIRED
	4	OWNERSHIP MAP
	5	CERTIFICATIONS AND COORDINATES

*TABULATION OF LENGTH		
DESCRIPTION	FEET	MILES
1322+21 BEGIN CC 04-0025-19 = 322+21 ON I-25-2(48)150 MP 150.5	3566.70	.676
1357+87.70 BK. = 1357+88.90 AH. EQUATION	4191.05	.794
1399+79.95 END CC 04-0025-19 = 399+79.95 ON I-25-2(48)150 MP 152.0		
TOTAL NET AND GROSS LENGTH	7757.75	1.470

*DESIGN DATA							
MAXIMUM DEGREE OF CURVE	19°						
MAXIMUM GRADE	6%						
MINIMUM SSD (VERTICAL)	311'						
MINIMUM SSD (HORIZONTAL)	351'						
MAXIMUM DESIGN SPEED	<table border="0"> <tr> <td>BRIARGATE PRKWY</td> <td>40 MPH</td> </tr> <tr> <td>RAMPS</td> <td>30 MPH</td> </tr> <tr> <td>SH. 83</td> <td>40 MPH</td> </tr> </table>	BRIARGATE PRKWY	40 MPH	RAMPS	30 MPH	SH. 83	40 MPH
BRIARGATE PRKWY	40 MPH						
RAMPS	30 MPH						
SH. 83	40 MPH						
2004 DESIGN TRAFFIC VOLUME	<table border="0"> <tr> <td>ADT</td> <td>15,300</td> </tr> <tr> <td>DHV</td> <td>1,530</td> </tr> </table>	ADT	15,300	DHV	1,530		
ADT	15,300						
DHV	1,530						
4% TRUCKS							

*ROADWAY AND/OR BRIDGE
BEING CONSTRUCTED THIS PROJECT



FINAL VOUCHER PLANS

E. M. Jannellen

SIGNATURE

V-File

UNITED STATES AIR FORCE ACADEMY

APPROVED: _____

BASE CIVIL ENGINEER U.S.A.F. DATE

URS ENGINEERING COMPANY

APPROVED: _____

VICE-PRESIDENT DATE

DIVISION OF HIGHWAYS

APPROVED: _____

DISTRICT ENGINEER DATE

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED: _____

DATE

DIVISION ADMINISTRATOR

AS CONSTRUCTED INFORMATION

CONTRACTOR _____

ENGINEER _____

PROJECT STARTED _____

PROJECT COMPLETED _____

AS CONSTRUCTED PLANS APPROVED _____

TITLE _____ DATE _____

BASIS OF BEARING
 ALL BEARINGS SHOWN HEREON ARE REFERENCED TO A LINE CONNECTING THE UNITED STATES AIR FORCE ACADEMY BOUNDARY MARKER NO. 11 (A BRASS CAP AT THE NE COR. OF THE NW 1/4 OF THE NE 1/4 OF SEC. 3, T. 13 N., R. 46 W. OF THE 6TH P.M.) AND U.S.A.F.A. BOUNDARY MARKER NO. 14 (A BRASS CAP AT THE NE COR. OF THE NW 1/4 OF THE SE 1/4 OF SEC. 29, T. 12 S., R. 46 W. OF THE 6TH P.M.) BEARING BEING NORTH 00 DEG. 17 MIN. 27 SEC. WEST, A DISTANCE OF 7,929.96 FEET.

(D)
 $\Delta = 12^\circ 19' 05''$
 $L = 216.05'$
 $R = 1004.93'$
 $T = 108.44'$
 $Dc = 5^\circ 42' 05''$

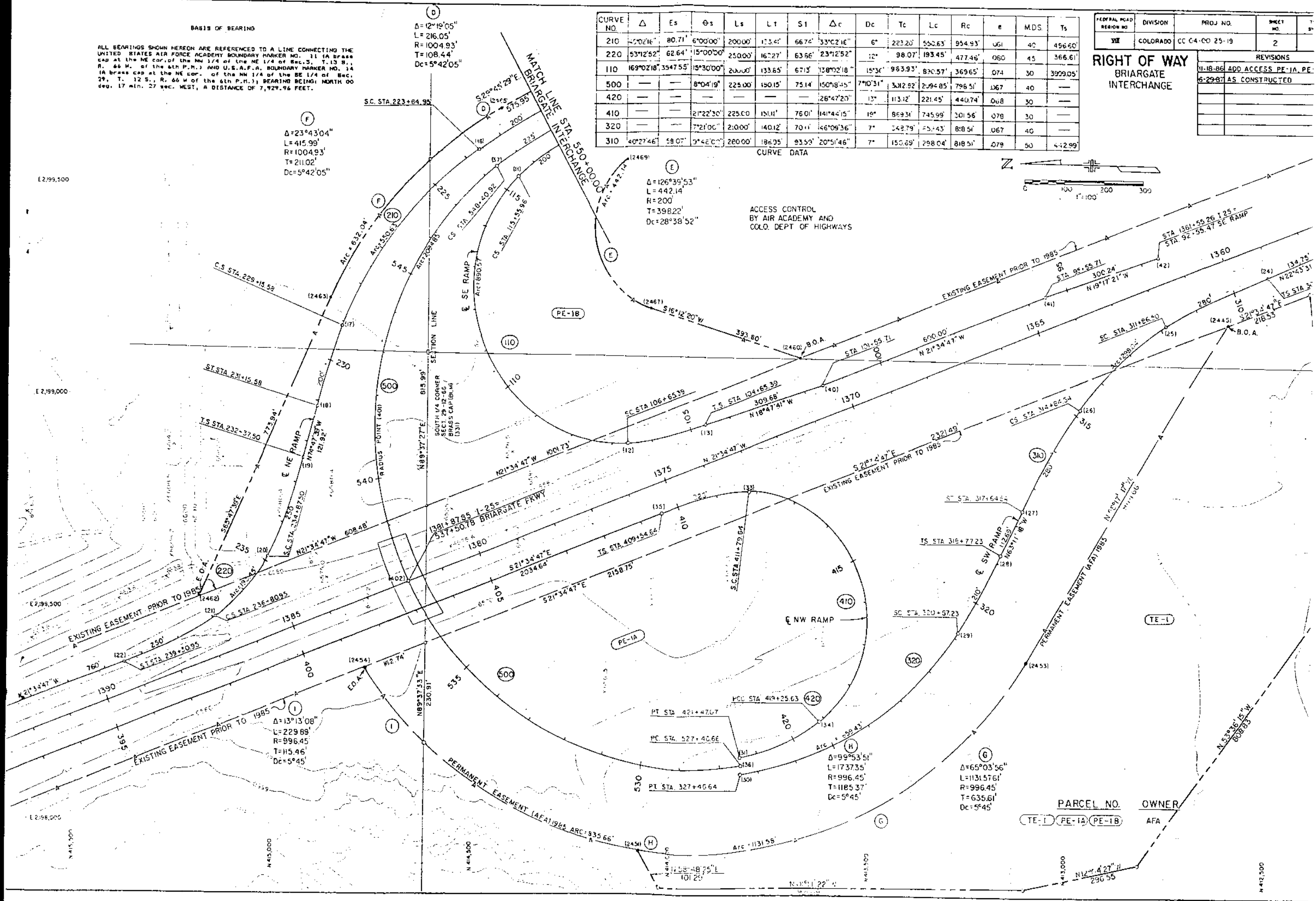
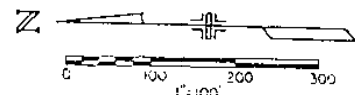
(F)
 $\Delta = 23^\circ 43' 04''$
 $L = 415.99'$
 $R = 1004.93'$
 $T = 211.02'$
 $Dc = 5^\circ 42' 05''$

CURVE NO.	Δ	E_s	Θ_s	L_s	L_T	S_1	Δ_c	D_c	T_c	L_c	R_c	e	M.D.S.	T_s
210	$5^\circ 02' 16''$	80.71'	$6^\circ 00' 00''$	200.00'	173.47'	66.74'	$33^\circ 02' 16''$	6'	223.20'	550.63'	954.93'	UG1	40	456.60'
220	$53^\circ 12' 52''$	62.64'	$15^\circ 00' 00''$	250.00'	167.27'	63.66'	$23^\circ 12' 52''$	12'	98.07'	193.45'	477.46'	060	45	366.61'
110	$169^\circ 02' 18''$	3547.55'	$15^\circ 30' 00''$	200.00'	133.65'	67.13'	$138^\circ 02' 18''$	$15^\circ 30'$	963.93'	830.57'	369.65'	074	30	3929.05'
500	---	---	$8^\circ 04' 19''$	225.00'	190.15'	75.14'	$150^\circ 18' 45''$	$7^\circ 10' 31''$	3012.82'	2,944.85'	796.51'	067	40	---
420	---	---	---	---	---	---	$26^\circ 47' 20''$	13'	113.12'	221.45'	440.74'	068	30	---
410	---	---	$21^\circ 22' 30''$	225.00'	151.11'	76.01'	$141^\circ 44' 15''$	16'	869.31'	745.99'	301.56'	078	30	---
320	---	---	$7^\circ 21' 06''$	210.00'	140.12'	70.11'	$146^\circ 09' 36''$	7'	342.79'	251.43'	818.51'	067	40	---
310	$40^\circ 27' 46''$	58.07'	$9^\circ 48' 00''$	280.00'	186.35'	83.59'	$20^\circ 51' 46''$	7'	150.69'	298.04'	818.51'	079	50	442.99'

CURVE DATA
 ACCESS CONTROL BY AIR ACADEMY AND COLO. DEPT. OF HIGHWAYS

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.
VI	COLORADO	CC C4-CO 25-19	2

REVISIONS
11-18-86 ADD ACCESS PE-1A, PE-1B
6-29-87 AS CONSTRUCTED



PARCEL NO.	OWNER
TE-1	AFA
PE-1A	AFA
PE-1B	AFA

PVE	Δ	Es	θs	Ls	Lt	St	Δc	Dc	Tc	Lc	Rc	e	MOS	Ts
520	—	—	—	—	—	—	28°28'40"	323'25"	428.86'	639.99'	1690.00'	0.038	40	—
510	—	—	4°15'00"	170.00'	113.37'	56.70'	27°52'46"	5'	284.43'	557.59'	1145.92'	0.46	40	—
300	—	—	2°36'00"	130.00'	86.68'	43.34'	10°42'56"	4"	134.34'	267.89'	1432.39'	0.41	40	—
810	—	—	2°36'00"	130.00'	86.68'	43.34'	25°24'58"	4"	323.01'	635.00'	1632.39'	0.41	40	—
320	1°42'04"	12.36'	2°36'00"	130.00'	86.68'	43.34'	9°30'04"	4"	119.04'	237.53'	1432.39'	0.41	40	249.84

CURVE DATA

E 2,201,000

SE 1/4 SEC 29 T.12S, R.66W, 6TH PM.

SPRINGCREST FILING 2 TRACT 1

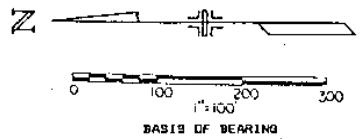
VACANT

SCHOOL DISTRICT NO. 20
EL PASO COUNTY
BK. 2058 PG. 431

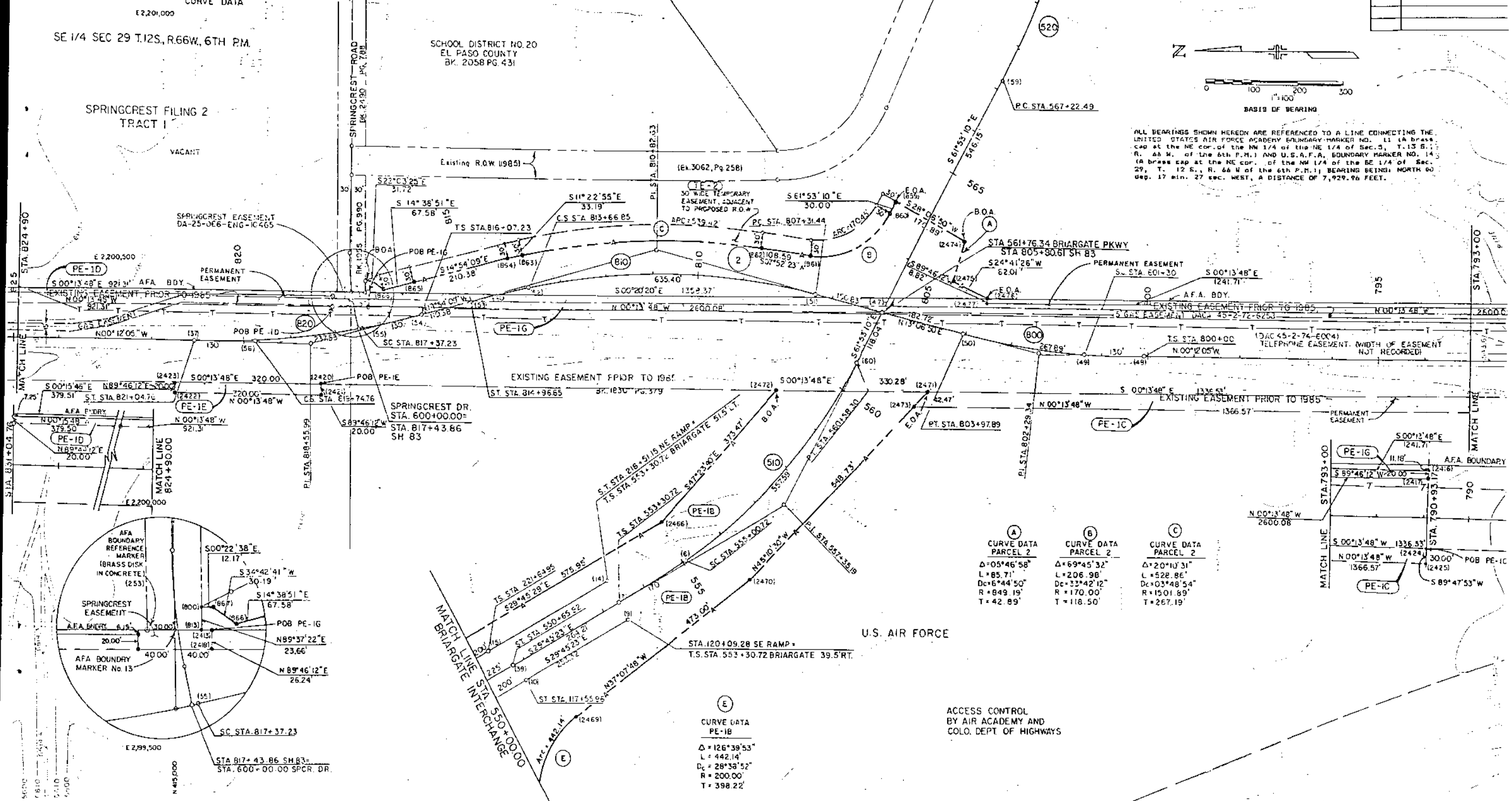
NE 1/4 SEC 32, T.12S, R.66W, 6TH PM.
EL PASO COUNTY, COLORADO

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
XII	COLORADO	CC 04-00 25-19	3	5

REVISIONS
11-18-88 ADD ACCESS PE-1B
6-29-87 AS CONSTRUCTED



ALL BEARINGS SHOWN HEREBY ARE REFERENCED TO A LINE CONNECTING THE UNITED STATES AIR FORCE ACADEMY BOUNDARY MARKER NO. 11 (A BRASS CAP AT THE NE COR. OF THE NW 1/4 OF THE NE 1/4 OF SEC. 3, T.13 S., R. 66 W. OF THE 6TH P.M.) AND U.S.A.F.A. BOUNDARY MARKER NO. 14 (A BRASS CAP AT THE NE COR. OF THE NW 1/4 OF THE SE 1/4 OF SEC. 29, T. 12 S., R. 66 W. OF THE 6TH P.M.) BEARING BEING NORTH 00 DEG. 17 MIN. 27 SEC. WEST, A DISTANCE OF 7,929.96 FEET.



CURVE DATA	CURVE DATA	CURVE DATA
PARCEL 2	PARCEL 2	PARCEL 2
Δ = 05°46'58"	Δ = 69°45'32"	Δ = 20°10'31"
L = 85.71'	L = 206.98'	L = 528.86'
Dc = 6°44'50"	Dc = 33°42'12"	Dc = 03°48'54"
R = 849.19'	R = 170.00'	R = 1501.89'
T = 42.89'	T = 118.50'	T = 267.19'

CURVE DATA
PE-1B
Δ = 126°39'53"
L = 442.14'
Dc = 28°38'52"
R = 200.00'
T = 398.22'

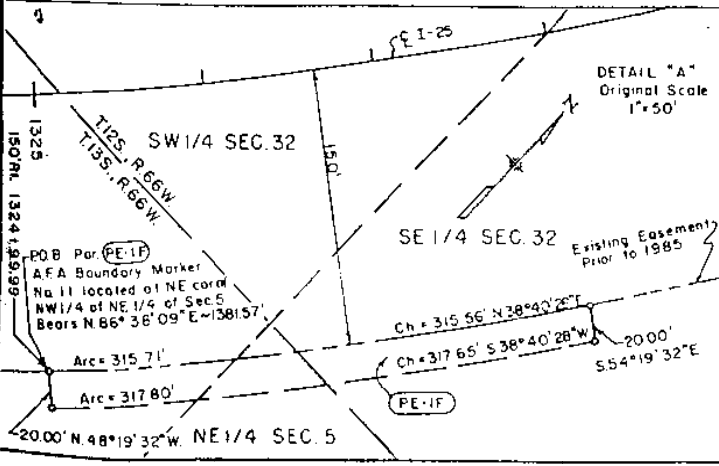
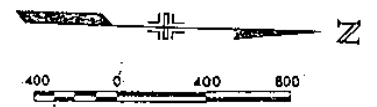
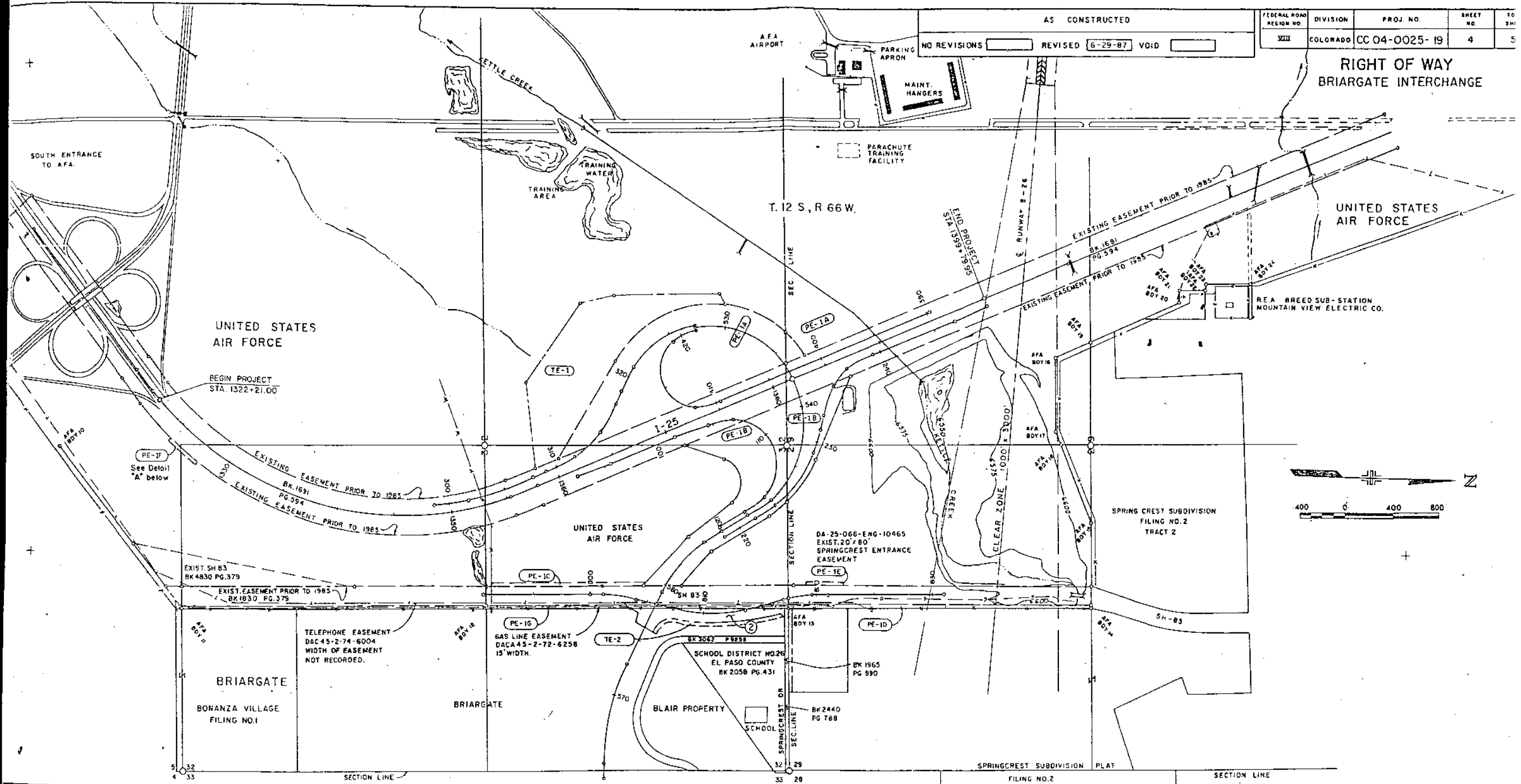
ACCESS CONTROL
BY AIR ACADEMY AND
COLO. DEPT. OF HIGHWAYS

PARCEL NO.	OWNER
PE-1B	AFA
PE-1C	BRIARGATE DEVELOPMENT CORP.
PE-1D	BRIARGATE DEVELOPMENT CORP.
PE-1E	BRIARGATE DEVELOPMENT CORP.
PE-1G	BRIARGATE DEVELOPMENT CORP.
TE-2	BRIARGATE DEVELOPMENT CORP.

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TO SHEETS
XIII	COLORADO	CC 04-0025-19	4	5

AS CONSTRUCTED
 NO REVISIONS REVISED 6-29-87 VOID

RIGHT OF WAY
 BRIARGATE INTERCHANGE



- PE-1A PE-1B PE-1C PE-1D TE-1
 - PE-1E PE-1F PE-1G
 - TE-2
- UNITED STATES OF AMERICA
- ② BRIARGATE DEVELOPMENT CORP.

I 25 / BRIARGATE PARKWAY INTERCHANGE				
OWNERSHIP MAP				
DATE	PROJECT NO.	DESIGNED BY	SHEET NO.	DRAWN
2 20 36	URS	CHECKED BY	OF	SHEETS

**RIGHT OF WAY
BRIARGATE INTERCHANGE**

LEGEND

- O GOVERNMENT CORNER
- CORNER SET NO. 4 REBAR W/CAP L.S. NO. 13225
- o CONSTRUCTION CONTROL POINT, COORDINATE ONLY, NO MONUMENT SET
- (OOO) COORDINATE POINT NO.

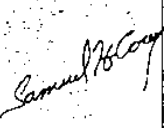
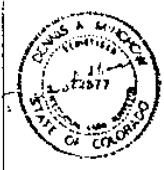
COORDINATES

POINT #	NORTHING	EASTING	POINT #	NORTHING	EASTING
6	413893.4935	2199903.9900	54	414477.8687	2200396.8828
7	414038.9208	2199816.0311	55	414603.9794	2200365.3708
9	414019.3202	2199781.7373	56	414839.1820	2200334.2153
10	414239.2564	2199656.0334	59	413210.5869	2200899.6791
11	414402.7270	2199541.9375	60	413523.6341	2200313.8958
12	414199.0042	2198912.6268	253	414668.0067	2200440.3116
13	413925.2639	2198959.6161	311	414620.0513	2199114.0230
14	414064.4759	2199660.7434	401	413951.7538	2198947.1281
15	414336.9203	2199705.0285	402	414659.2365	2198576.8834
16	414506.9082	2199599.8376	800	414598.8713	2200464.2697
17	414839.2206	2199170.3578	813	414598.7255	2200440.6146
18	414898.3736	2198979.4077	859	413439.9686	2200644.9795
19	414930.3640	2198861.7626	860	413454.1083	2200618.5207
20	415016.4640	2198627.8673	861	413627.3463	2200530.2505
21	415144.5761	2198484.6798	862	413734.9110	2200545.1370
22	415367.4923	2198373.1960	863	414260.6503	2200524.8636
24	412512.6016	2199337.4568	864	414293.1883	2200518.3172
25	412763.9692	2199214.9788	865	414496.4982	2200464.2354
26	412980.5146	2199013.0248	866	414561.8837	2200447.1536
27	413121.0878	2198771.0582	867	414586.6989	2200464.3479
28	413171.9272	2198670.4925	2413	414588.7146	2200440.6714
29	413274.5197	2198487.4343	2416	413988.6301	2200444.5831
30	413814.2175	2198148.2561	2417	413988.5520	2200424.5832
31	413820.9386	2198179.6874	2418	414589.6122	2200414.4316
33	413809.4779	2198806.7294	2420	414700.6771	2200253.9846
34	413620.8726	2198269.0480	2421	414700.5990	2200233.5848
35	414026.0090	2198750.9054	2422	415020.5965	2200232.7354
36	413817.5781	2198159.9718	2423	415020.6746	2200252.7352
37	414458.1521	2199264.5251	2424	415887.9230	2200264.5794
38	414268.3037	2199684.9282	2425	415987.8206	2200234.5796
40	413632.0843	2199059.3552	2445	412608.2325	2199227.0157
41	413074.1153	2199279.9694	2451	414070.1960	2197957.8404
42	412790.7186	2199379.1171	2453	413104.8804	2198423.4466
47	413468.0000	2200418.0000	2454	414767.0950	2198373.4160
48	412895.0183	2200338.8665	2460	413685.9866	2199123.5707
49	413024.9974	2200340.3902	2462	415183.3977	2198531.5098
50	413290.0413	2200374.5209	2463	414865.9925	2199237.3688
51	413614.8927	2200452.2382	2465	414448.1567	2199697.6921
52	414245.0833	2200456.7707	2466	413948.1263	2199983.5034
53	414371.1941	2200425.2591	2467	414064.1275	2199233.5157
282	409532.4987	2200471.2366 AFA #11	2469	414128.8981	2199585.8300
300	417266.2827	2200431.8734 AFA #14	2470	413751.6590	2199870.5034
			2471	413365.4416	2200259.2031
			2472	413695.6879	2200257.9142
			2473	413395.3839	2200229.0839
			2474	413289.2504	2200564.4350
			2475	413314.8839	2200482.6898
			2476	413240.3753	2200448.4245
			2477	413240.3323	2200439.8570

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 1:20,000.
3. All coordinates are based on approved construction drawings.
4. Monumentation set by URS Corporation are # 4 rebar with plastic caps, L.S. No. 13225.
5. Rotate coordinate bearings 23 seconds counter clockwise to agree with Basis of Bearings and Plan Bearings.

NOTICE: ACCORDING TO COLORADO LAW, YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT, MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THE DATE OF CERTIFICATION SHOWN HEREON.

 SURVEYOR CERTIFICATE (FIELD-URS CORPORATION) CONTROL SURVEY AND MONUMENTATION WAS DONE UNDER MY SUPERVISION AND CHECKING DATE <u>October 27, 1987</u> NAME <u>SAMUEL M. COREY</u> PLS NO. <u>22092</u>	SURVEYOR CERTIFICATE (OFFICE-URS CORPORATION) ROW PLANS AND LEGAL DESCRIPTIONS WERE PREPARED UNDER MY SUPERVISION AND CHECKING DATE <u>October 27, 1987</u> NAME <u>DOUGLAS A. MINEMO</u> PLS NO. <u>22277</u>		I-25/BRIARGATE PARKWAY INTERCHANGE CERTIFICATIONS AND COORDINATES	
			DATE _____ PROJECT NO. _____ DESIGNED BY _____ SHEET NO. _____ OF _____ SHEETS URS DRAWN BY _____ CHECKED BY _____ OF _____ SHEETS	PREPARED BY URS COMPANY - DENVER