

DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

RIGHT OF WAY PLAN OF PROPOSED PROJECT NO. CC 12-0070-07 STATE HIGHWAY NO. 70 ADAMS COUNTY

RIGHT OF WAY

I-70/BUCKLEY RD.
INTERCHANGE

FED. ROAD REGION	DIVISION	PROJECT NUMBER	SHEET NUMBER
VIII	COLO.	CC 12-0070-07	1

REVISIONS		

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: (circle with dot) Coniferous: (star)
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	New: (arrow) Existing: (arrow)
Section Corner	1/4 Center of Section
Culverts & Drains	Proposed: (arrow) Existing: (arrow)
Bridges	Proposed: (arrow) Existing: (arrow)

RIGHT OF WAY

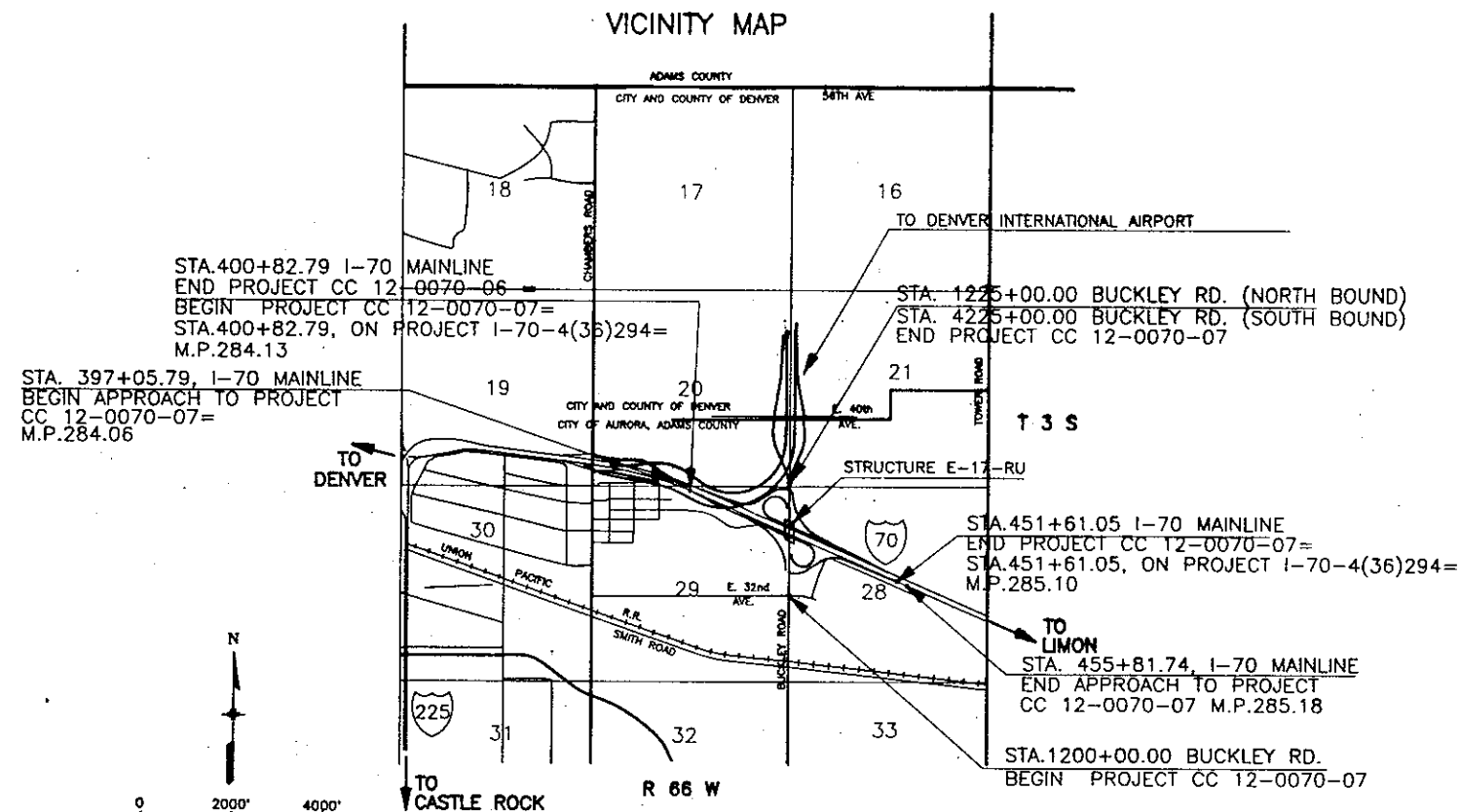
SCALES OF ORIGINAL DRAWINGS

PLAN SHEETS 1" = 50'

INDEX OF SHEETS

- 1 TITLE SHEET
- 2 TABULATION OF PROPERTIES SHEET
- 3 CONTROL AND MONUMENTATION SHEET
- 3A SURVEY CONTROL NETWORK
- 4-6 PLAN SHEETS

VICINITY MAP



BASIS OF BEARINGS

All bearings are based on a line connecting the NE corner of Section 29, T. 3 S., R. 66 W., 6th P.M. (3/4" Rebar) and the E 1/4 corner of Section 29 (1 1/2" Metal Cap) as bearing S 00°22'06.7" W.

DATE: OCTOBER 28, 1993
Subaccount:

FELSBURG
HOLT &
ULLEVIG

SURVEYOR CERTIFICATE (MONUMENTATION)

Survey Monumentation was done under my supervision and checking.

NAME D. E. O. P.L.S. NO. 11730

DATE 8-4-94

SURVEYOR CERTIFICATE (CONTROL SURVEY)

Control Survey was done under my supervision and checking.

NAME _____ P.L.S. NO. _____

DATE _____

SURVEYOR CERTIFICATE (OFFICE)

R.O.W. Plan Sheets 4, 5 & 6 and Legal Description were prepared under my supervision and checking.

NAME D. E. O. P.L.S. NO. 11730

DATE 8-4-94

R. O. W. TABULATION OF PROPERTIES IN ADAMS COUNTY

S. H. NO. 70

RIGHT OF WAY
I-70/BUCKLEY RD.
INTERCHANGE

FED. ROAD REGION	DIVISION	PROJECT NUMBER	SHEET NUMBER
XIII	COLORADO	CC 12-0070-07	2

PARCEL NO.	OWNER	ADDRESS	LOCATION	AREA IN SQ. FEET					PARCEL NO.	REMARKS
				PARCEL	EXISTING ROW	NET AREA	REMAINDER, ±			
							LEFT	RIGHT		
1	CITY OF AURORA, A MUNICIPAL CORPORATION	1470 S. HAVANA ST., AURORA, CO 80012 KENNETH W. WRIGHT, MGR. OF REAL PROPERTY (303) 695-7300	NE 1/4, SECTION 29, T. 3 S., R. 66 W.	42,054.5	0	42,054.5		0	1	} 'EXHIBIT A' COMBINED INTO ONE LEGAL DESCRIPTION FOR RECORDING 193,104 sq.ft. FROM CITY OF AURORA TO CDOT BY SWD RECEPTION NO. C0162981 BK. 4721 Pg. 172-182 Recorded 4/08/96 ADAMS COUNTY + PARCEL A-1AL ACCESS RIGHTS IN THE SE QUADRANT FROM CITY OF AURORA TO CDOT BY SWD RECEPTION NO. C0162982 BK. 4721 Pg. 183-184 Recorded 4/08/96 ADAMS COUNTY
1A	CITY OF AURORA, A MUNICIPAL CORPORATION	1470 S. HAVANA ST., AURORA, CO 80012 KENNETH W. WRIGHT, MGR. OF REAL PROPERTY (303) 695-7300	NE 1/4, SECTION 29, T. 3 S., R. 66 W.	151,050.1	0	151,050.1		0	1A	
1B	CITY OF AURORA, A MUNICIPAL CORPORATION	1470 S. HAVANA ST., AURORA, CO 80012 KENNETH W. WRIGHT, MGR. OF REAL PROPERTY (303) 695-7300	NE 1/4, SECTION 29, T. 3 S., R. 66 W.	427,130 427,123.6	0	427,130 427,123.6		0	1B	
1C	CITY OF AURORA, A MUNICIPAL CORPORATION	1470 S. HAVANA ST., AURORA, CO 80012 KENNETH W. WRIGHT, MGR. OF REAL PROPERTY (303) 695-7300	NW 1/4, SECTION 28, T. 3 S., R. 66 W.	207,669.2	0	207,669.2		0	1C	
1D	CITY OF AURORA, A MUNICIPAL CORPORATION	1470 S. HAVANA ST., AURORA, CO 80012 KENNETH W. WRIGHT, MGR. OF REAL PROPERTY (303) 695-7300	NW 1/4, SECTION 28, T. 3 S., R. 66 W.	22,049.3	0	22,049.3		0	1D	
1E	CITY OF AURORA, A MUNICIPAL CORPORATION	1470 S. HAVANA ST., AURORA, CO 80012 KENNETH W. WRIGHT, MGR. OF REAL PROPERTY (303) 695-7300	NW 1/4, SECTION 28, T. 3 S., R. 66 W.	421,567 421,549.3	0	421,567 421,549.3		0	1E	'EXHIBIT B' 421,567 sq.ft.
2	CITY AND COUNTY OF DENVER	STAPLETON INTERNAT'L AIRPORT TERMINAL BLDG. DENVER CO 80207 (303) 270-1900	NE 1/4, SECTION 29, T. 3 S., R. 66 W.	18,127.8	0	18,127.8		0	2	
2A	CITY AND COUNTY OF DENVER	STAPLETON INTERNAT'L AIRPORT TERMINAL BLDG. DENVER CO 80207 (303) 270-1900	NW 1/4, SECTION 28, T. 3 S., R. 66 W.	25,411.9	0	25,411.9		0	2A	
2B	CITY AND COUNTY OF DENVER	STAPLETON INTERNAT'L AIRPORT TERMINAL BLDG. DENVER CO 80207 (303) 270-1900	NW 1/4, SECTION 28, T. 3 S., R. 66 W.	3,326.6	0	3,326.6		0	2B	

CONTROL AND MONUMENTATION SHEET

FED. ROAD REGION	DIVISION	PROJECT NUMBER	SHEET NUMBER
III	COLORADO	CC 12-0070-07	3
REVISIONS			

RIGHT OF WAY
I-70/BUCKLEY RD.
INTERCHANGE

TABULATION OF RIGHT-OF-WAY POINTS

POINT NO.	NORTHING	EASTING	POINT NO.	NORTHING	EASTING
101	703,221.6870	199,194.7630	316	705,607.3180	199,300.2580
102	703,251.4930	199,224.8018	317	705,496.3997	199,260.0408
103	703,481.8660	199,226.0830	318	705,496.4383	199,254.0410
104	703,543.1344	199,206.0969	319	705,695.1321	199,251.4597
105	703,719.3001	199,198.3779	320	705,095.1964	199,241.4599
106	703,719.2320	199,208.6080	321	704,755.8466	199,249.2774
107	704,749.4663	198,538.3840	322	706,406.0950	196,422.3020
108	704,735.4987	198,532.2994	323	706,274.0940	196,742.8040
109	704,796.8833	198,407.3495	324	706,223.0960	196,817.3000
110	705,100.8074	197,712.9912	325	706,021.0980	197,064.2990
111	705,146.6116	197,733.0370	326	705,716.0980	197,729.3020
112	704,488.9511	199,235.5604	327	705,694.0980	197,951.3040
113	704,382.6279	199,234.8766	328	705,710.0970	198,205.3010
114	704,082.5569	199,244.9467	329	705,748.9070	198,290.9150
115	703,246.6330	199,239.5708	330	705,825.0970	198,459.3000
116	703,221.7940	199,214.7050	331	706,030.0970	198,725.3010
117	704,611.0000	198,741.9000	332	706,305.0980	198,921.8010
118	704,523.0000	198,848.0000	333	706,642.0950	199,003.6000
119	704,328.0000	198,970.0000	334	707,086.1370	199,038.8120
120	704,125.9000	199,083.7000	335	707,086.2520	199,131.5820
121	704,483.7297	199,247.5296	336	707,231.2410	199,131.4090
122	703,436.7703	199,240.7929	337	707,658.7520	199,130.8880
123	703,436.4165	199,295.7918	338	707,658.1390	199,446.8760
124	703,719.0156	199,242.6084	339	707,231.6350	199,447.4090
			340	707,086.6390	199,447.5900
201	703,212.7149	199,382.7150	341	707,086.7780	199,558.7100
202	703,212.6700	199,374.6540	342	706,919.6790	199,568.4130
203	703,237.6310	199,349.5160	343	706,489.9410	199,553.4160
204	703,510.9412	199,351.2723	344	706,103.7990	199,388.2060
205	704,435.6999	199,357.2204	345	705,833.2390	199,127.7970
206	704,046.2555	200,246.9621	346	705,826.4089	199,121.2234
207	704,023.3533	200,236.9377	347	705,616.8315	198,988.6289
208	703,940.9354	200,026.2073	348	707,090.6063	198,822.4012
209	703,919.2981	200,016.692	349	707,158.2160	198,822.2961
210	703,727.7934	199,734.218	350	707,158.4810	198,992.7530
211	703,641.2418	199,449.0680	351	707,010.1180	198,966.7830
212	703,561.8374	199,368.6355	352	706,462.2170	199,033.3914
213	703,519.9071	199,354.3310	353	706,078.4300	199,202.5933
214	703,242.9070	199,352.5480	354	706,991.5898	198,908.1256
215	703,212.7500	199,388.9860	355	706,439.9179	198,983.0654
216	703,561.9984	199,343.8005	356	706,056.1311	199,152.2872
217	703,688.8127	199,344.4162	357	705,395.3063	198,729.7251
218	703,688.7613	199,352.4161	358	705,669.5261	199,243.8991
219	704,071.5985	199,354.8785	359	705,607.4513	199,260.7665
220	704,071.5352	199,364.8783			
221	704,431.3351	199,367.1926	501	703,863.1653	201,288.7361
222	704,011.4098	200,326.5722	502	704,703.4684	199,368.9430
224	703,902.1212	200,009.2181	503	704,831.7696	199,369.7682
225	703,854.7692	199,939.3700	504	705,081.8287	199,361.3764
			505	705,471.8001	199,363.8848
226	703,806.3093	199,918.1589	506	705,462.7228	199,419.8281
227	703,696.1625	199,755.6832	507	705,167.9000	199,491.4000
228	703,652.9000	199,677.2000	508	705,010.8000	199,546.8000
229	703,623.3000	199,582.5000	509	704,738.5000	199,712.7000
230	703,614.9000	199,452.8000	510	704,597.2365	199,834.4555
231	703,595.1000	199,407.2000	511	704,520.1020	199,944.9812
232	703,868.0330	200,059.7718	512	704,190.7333	200,697.4714
233	703,921.0260	200,114.861	513	704,040.2113	200,959.0665
234	703,949.1021	200,216.4074	515	704,707.8332	199,358.9708
235	703,942.0798	200,272.9940			
301	704,760.2114	199,239.3053	521	704,451.7143	200,076.2836
302	705,155.8607	198,335.3876	522	704,271.7922	200,487.3416
303	705,294.6577	198,603.6026	523	704,173.3281	200,689.8530
304	705,364.9403	198,683.4327	524	704,080.0935	200,793.1323
305	705,532.1171	198,921.6310	525	705,607.1950	199,319.2540
306	705,585.9743	199,091.8398	526	706,401.2300	199,555.1252
307	705,585.5343	199,160.2384	527	706,953.4170	199,622.1962
308	705,607.9501	199,202.2633	528	707,159.2190	199,585.6436
310	705,719.4856	199,240.2410	529	707,159.3740	199,756.5435
			530	707,091.7599	199,756.6052
311	705,730.2830	199,199.6110	531	706,990.1331	199,671.5162
312	705,730.0280	199,239.1745	532	706,378.8173	199,605.4004
313	705,607.666	199,245.2555	533	706,094.2868	199,479.1807
314	705,607.6051	199,254.7553	534	706,116.7030	199,428.9054
315	705,670.3040	199,259.3795	535	706,962.9248	199,676.3487

SURVEY CONTROL POINT TABULATION

POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	MONUMENT
1	N 703182.2218	E 199,294.1568	5399.69	E 1/4 SEC 29	1 1/2" CAP
2	N 705,834.5701	E 199,311.2170	5410.25	NE COR SEC 29	3" ALUM. CAP, PLS 14592
3	N 704,507.7090	E 199,809.2980	5396.18	CDOT	3" ALUM. CAP
4	N 704,973.5300	E 198,745.7660		CDOT	3" ALUM. CAP

TABULATION OF RIGHT-OF-WAY POINTS SET

POINT NO.	NORTHING	EASTING	TYPE OF MONUMENT
101	N 703,221.6870	E 199,194.7630	TYPE 1
102	N 703,251.4930	E 199,224.8018	TYPE 1
103	N 703,481.8660	E 199,226.0830	NOT SET
104	N 703,543.1344	E 199,206.0969	NOT SET
105	N 703,719.3001	E 199,198.3779	TYPE 1
106	N 703,719.2320	E 199,208.6080	TYPE 1
107	N 704,749.4654	E 198,538.3842	TYPE 1
108	N 704,735.4980	E 198,532.2990	TYPE 1
109	N 704,796.8833	E 198,407.3495	TYPE 1
110	N 705,100.8074	E 197,712.9912	TYPE 1
201	N 703,212.7149	E 199,382.7150	TYPE 1
208	N 703,940.9636	E 200,026.1834	NOT SET
212	N 703,561.8374	E 199,368.6355	TYPE 1
213	N 703,519.9071	E 199,354.3310	NOT SET
214	N 703,242.9070	E 199,352.5480	TYPE 1
222	N 704,011.4098	E 200,326.5722	NOT SET
224	N 703,902.1358	E 200,009.1847	TYPE 1
225	N 703,854.7692	E 199,939.3700	TYPE 1
226	N 703,806.3093	E 199,918.1589	TYPE 1
227	N 703,696.1625	E 199,755.6832	TYPE 1
228	N 703,652.9000	E 199,677.2000	TYPE 1
229	N 703,623.3000	E 199,582.5000	TYPE 1
230	N 703,614.9000	E 199,452.8000	TYPE 1
231	N 703,595.1000	E 199,407.2000	TYPE 1
302	N 705,155.8607	E 198,335.3878	TYPE 1
303	N 705,294.6577	E 198,603.6028	TYPE 1
304	N 705,364.9403	E 198,683.4327	TYPE 1
305	N 705,532.1171	E 198,921.6310	TYPE 1
311	N 705,730.2830	E 199,199.6110	TYPE 1
312	N 705,730.0280	E 199,239.1745	TYPE 1
357	N 705,395.3063	E 198,729.7251	TYPE 1
501	N 703,863.1653	E 201,288.7361	TYPE 1
507	N 705,167.9000	E 199,491.4000	TYPE 1
508	N 705,010.8000	E 199,546.8000	TYPE 1
509	N 704,738.5000	E 199,712.7000	TYPE 1
510	N 704,597.2365	E 199,834.4555	TYPE 1
511	N 704,520.1020	E 199,944.9812	TYPE 1
512	N 704,190.7333	E 200,697.4714	TYPE 1
513	N 704,040.2113	E 200,959.0665	TYPE 1
518	N 705,834.8186	E 199,397.2066	TYPE 1
519	N 705,606.5498	E 199,420.7534	TYPE 1
520	N 705,471.4398	E 199,419.8842	TYPE 1

TABULATION OF WITNESS POINTS SET

550	N 703,481.8720	E 199,225.0830	1' OS 103
551	N 703,519.9050	E 199,355.3310	1' OS 213
552	N 703,940.0290	E 200,026.5450	1' OS 208
553	N 704,010.4100	E 200,326.5720	1' OS 222
554	N 703,543.1340	E 199,212.0970	6' OS 104

GENERAL NOTES

- This Right of Way plan is not a complete boundary survey of all adjoining owners and is prepared for Dept. of Transportation purposes only.
- Survey Control Points set with a higher degree of accuracy than ROW Markers.
- 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 R.O.W. Markers set from survey control points.
- All centerline and offset stationing is theoretical only and may not represent the centerline as constructed in the field. All stationing is approximate.
- All coordinates listed are project coordinates only.
- Field survey control precision computed to exceed 1/100,000.

QUANTITY OF MONUMENTS TO BE SET

CAP TYPE	MONUMENT TYPE							
	1	1A	2	2A	3	3A	4	5
REFERENCE								
RIGHT OF WAY	42							
CONTROL								
ALIQUOT CORNER								
WITNESS POST								

BUCKLEY INTERCHANGE

CONTROL AND MONUMENTATION

DATE AUG 93	PROJECT NO. 91-018	DESIGNED BY DRAWN BY CHECKED BY	SHEET NO. OF SHEETS 3 OF 3	DRAWING NO.
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DIA PT #	CDOT PT #	HEC PT #	DENVER INTERNATIONAL AIRPORT COORDINATE SYSTEM	COLORADO DEPARTMENT OF TRANSPORTATION COORDINATE SYSTEM	CITY OF AURORA COORDINATE SYSTEM (GRID)	DESCRIPTION	MONUMENT	ELEVATION DIA / COA
275			N 26208.7103 E 57323.1002	N 705834.5701 E 199311.2170	N 705827.942 E 2199457.607	SW COR SEC 21	3/4" IRON BAR	5410.25
		402	N 23556.4068 E 57305.9421	N 703182.2866 E 199294.0589	N 703176.255 E 2199440.589	E 1/4 SEC 29	1 1/2" CAP	5399.69
		116	N 24881.8492 E 57821.1812	N 704507.7090 E 199809.2980		CDOT	3" ALUM. CAP	5396.18
		117	N 25347.6702 E 56757.6492	N 704973.5300 E 198745.7860		CDOT	3" ALUM. CAP	

AS CONSTRUCTED

NO REVISIONS ☐ REVISED ☐ VOID ☐

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO	SHEET NO	TOTAL SHEET
VIII	COLORADO	CC 12-0070-07	3A	

REVISIONS	

NOTES:

- Coordinates referred to as Colorado Department of Transportation (CDOT) system were derived from J.F. Sato and Assoc., survey control diagram dated 02-09-90 also being a Modified State Plane Coordinate System, and reflect ground distances measured at ground elevation with grid bearings.
- Coordinates referred to as Denver International Airport (DIA) system were derived from a coordinate list provided by the New Denver Airport Office also being a modified State Plane Coordinate System and reflect true ground bearing and distance.
- The following conversion equation was developed from field ties to eight (8) existing CDOT monuments and ten (10) existing DIA positions. A single conversion for the positions of all surveyed points and their coordinate values on both the CDOT and DIA systems represent a best fit of the eighteen (18) surveyed positions versus their computed positions. Disparities between the surveyed position and the computed positions range from 0.01' to 0.24', with an angular error from 00°00'01" to 00°00'50". The conversion is as follows:

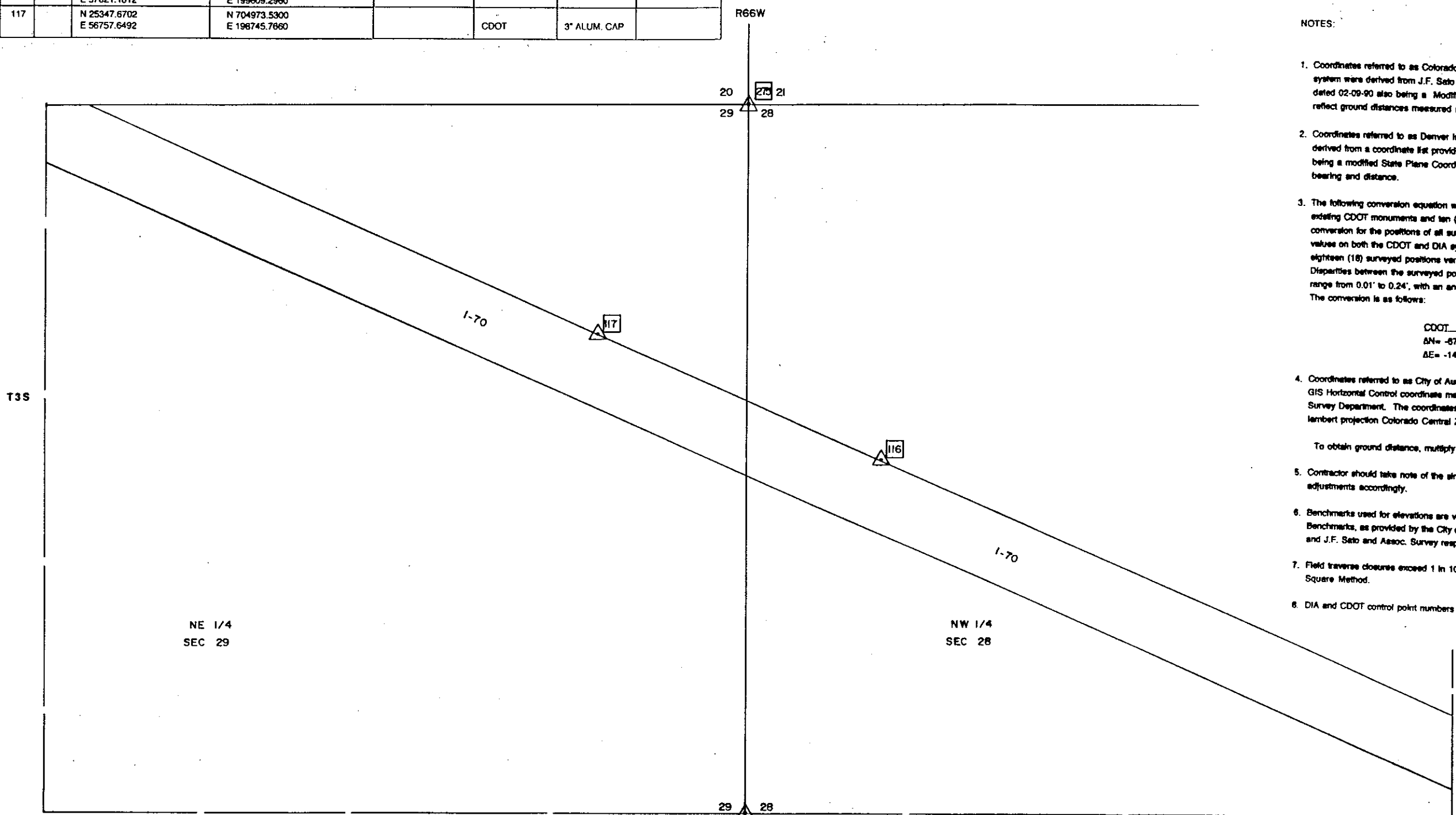
$$\text{CDOT} \rightarrow \text{DIA}$$

$$\Delta N = -679,625.8596$$

$$\Delta E = -141,988.1168$$

- Coordinates referred to as City of Aurora Coordinates were derived from a GIS Horizontal Control coordinate map supplied by the City of Aurora Survey Department. The coordinates shown are State Plane Coordinates, Lambert projection Colorado Central Zone, NAD '27.

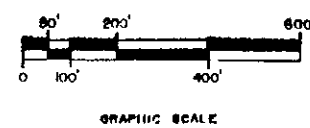
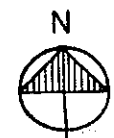
To obtain ground distance, multiply the grid distance by 1.000255225.
- Contractor should take note of the single conversion factor and make adjustments accordingly.
- Benchmarks used for elevations are verified, C.O.A., DIA and CDOT Benchmarks, as provided by the City of Aurora, New Denver Airport Office and J.F. Sato and Assoc. Survey respectively.
- Field traverse closures exceed 1 in 100,000 adjustments made by Least Square Method.
- DIA and CDOT control point numbers used are as shown.



SURVEYORS STATEMENT (CONTROL SURVEY)
CONTROL SURVEY WAS DONE UNDER MY
SUPERVISION AND CHECKING.

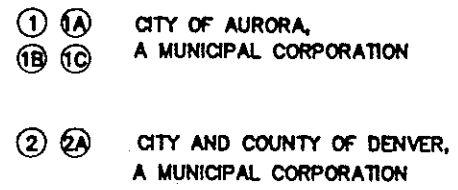
NAME *Michael J. Hagan* PL#28268
FOR AND ON BEHALF OF HEC CONSULTANTS LTD.

DATE *6-4-92*



BUCKLEY RD./I-70 INTERCHANGE				
CONTROL MAP				
DATE	PROJECT NO.	DESIGNED BY	SHEET NO.	DRAWING
06/04/92	SI-010	MAJ		
		DRAWN BY		
		CHECKED BY		

RIGHT OF WAY
I-70/BUCKLEY RD.
INTERCHANGE

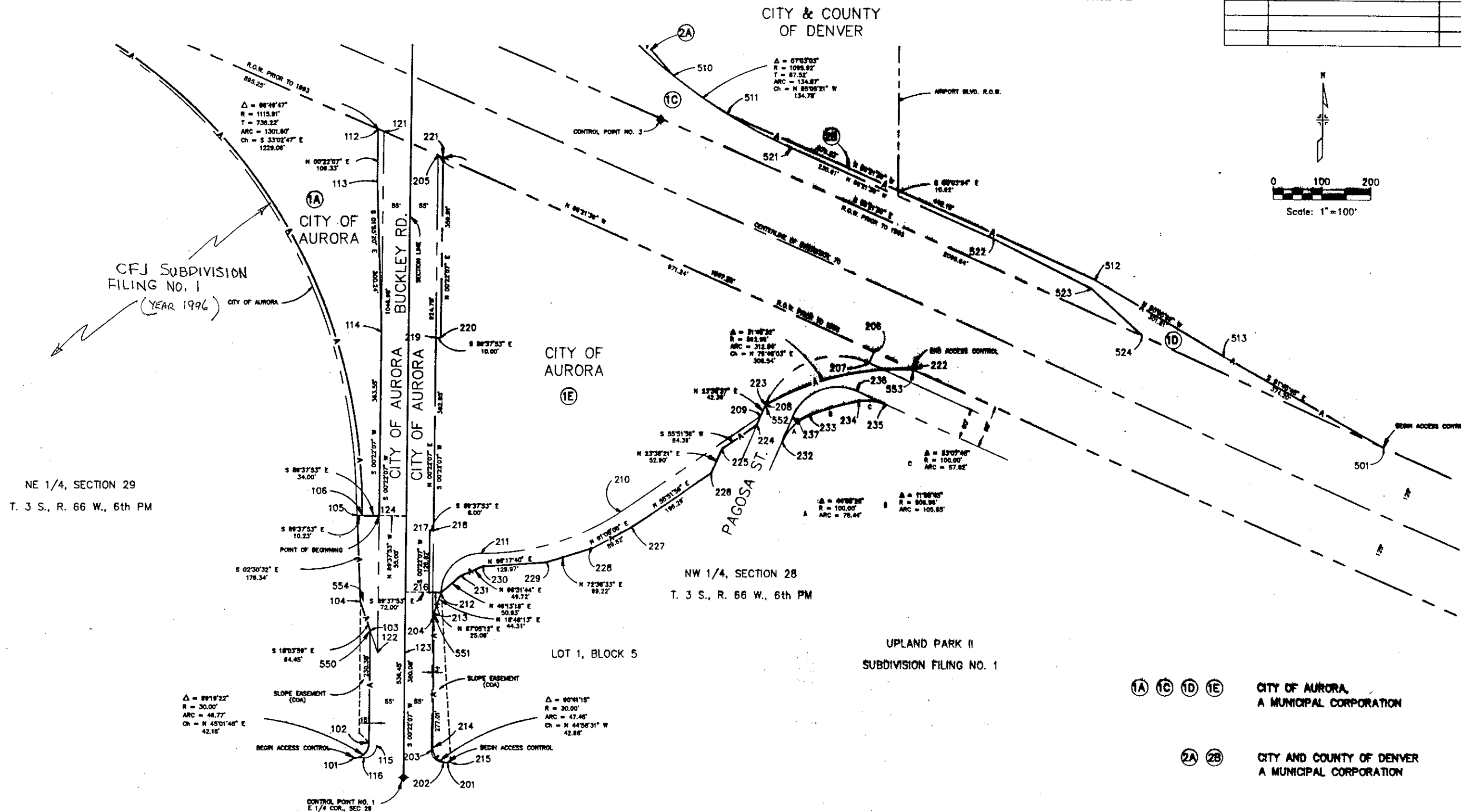
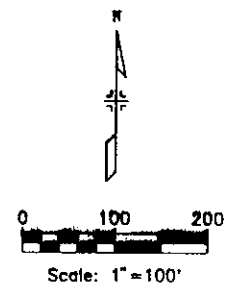


BUCKLEY INTERCHANGE CONTROL AND MONUMENTATION				
DATE AUG 83	PROJECT NO. 83-044	DESIGNED BY _____ DRAWN BY _____ CHECKED BY _____	SHEET NO. 4 OF 8 SHEETS	DRAWING NO.

RIGHT OF WAY
I-70/BUCKLEY RD.
INTERCHANGE

FEDERAL RD DISTRICT NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	CC12-0070-07	5	

REVISIONS	



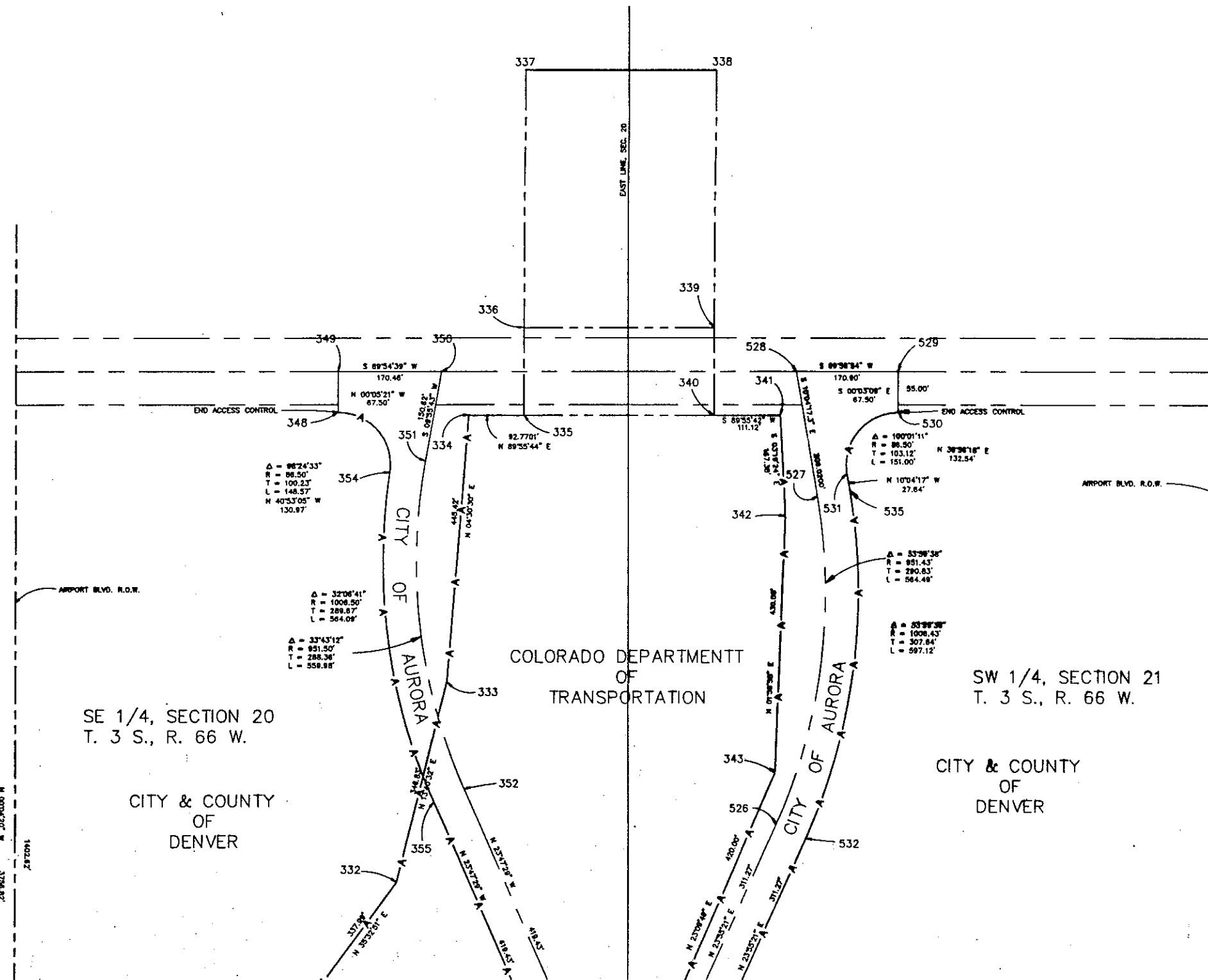
- 1A 1C 1D 1E CITY OF AURORA,
A MUNICIPAL CORPORATION
- 2A 2B CITY AND COUNTY OF DENVER
A MUNICIPAL CORPORATION

BUCKLEY INTERCHANGE				
CONTROL AND MONUMENTATION				
DATE AUG 93	PROJECT NO. 93-044	DRAWN BY SEAN ST.	CHECKED BY JF	SHEET NO. 5

RIGHT OF WAY
I-70/BUCKLEY RD.
INTERCHANGE

FEDERAL RD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	CC12-0070-07	8	

REVISIONS	



BUCKLEY INTERCHANGE				
CONTROL AND MONUMENTATION				
DATE AUG 93	PROJECT NO. 93-044	DESIGNED BY CHECKED BY	SHEET NO. 8 OF 8 SHEETS	DRAWING NO. RW-8