COLORADO DEPARTMENT OF TRANSPORTATION

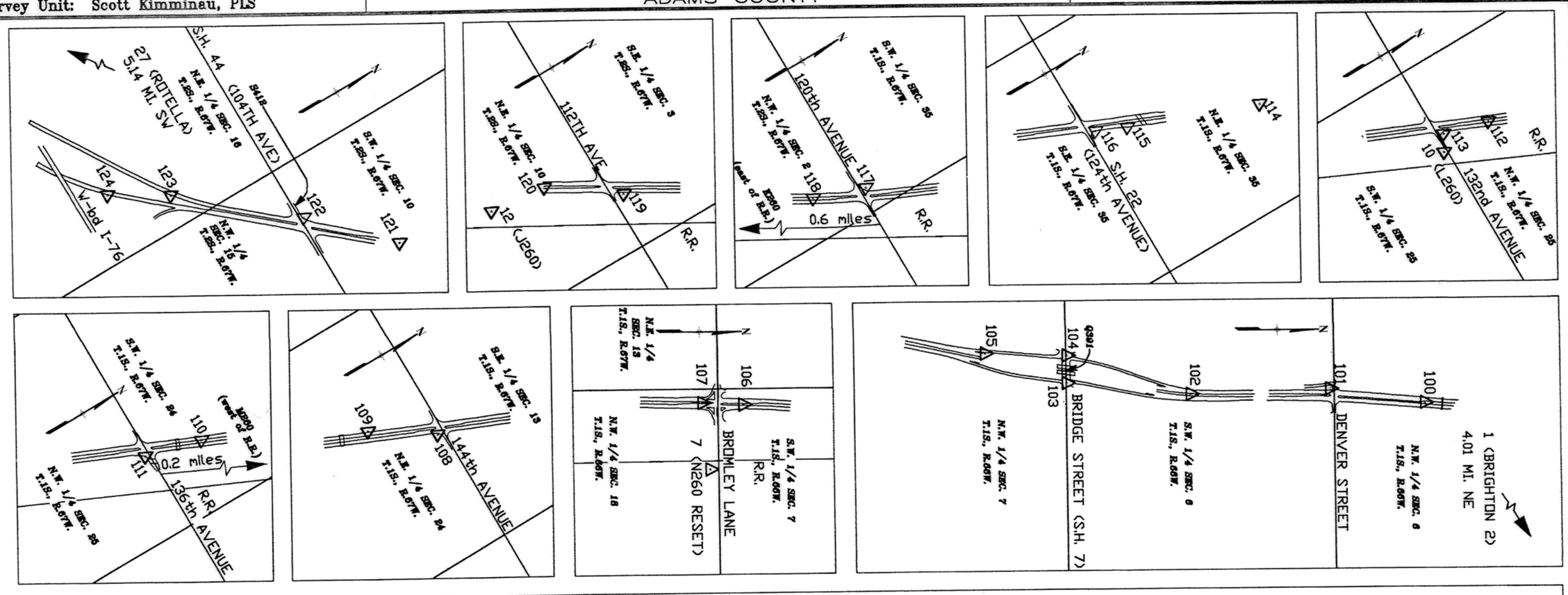
Region 6
Address: 2000 South Holly Street
Denver, CO 80222
Phone: (303) 757-9923 FAX: (303) 757-9053
Survey Unit: Scott Kimminau, PLS

SURVEY CONTROL DIAGRAM
IN SECTIONS 6 & 7, T.1S., R.66W.;
SECTIONS 13, 18, 24, 25 & 35, T.1S., R.67W.;
SECTIONS 2, 3, 10, 15 & 16, T.2S., R.67W.;
of the 6th P.M.
ADAMS COUNTY

SCALE IN FEET
1"=500' Full Size
1"=1000' Tabloid

Survey Control Diagram
Plan Sheet
Project Number: STA 0853-044
Project Location: US 85 - I-76 to 168th Ave.
Project Location:

Project Code:	Last Mod. Date	Subset Sheets	Sheet No.	Total No. of Sheets
13352	04-25-02			



PROJECT SPECIFIC COORDINATES (FEET)

SET/ FOUND MONUMENTS

PNT	NORTHING	EASTING	ELEVATION	DESCRIPTION OF MONUMENTS
7	1233403.297	3189195.498	4997.44	FND. 3 1/2" BRASS CAP "VERTICAL CONTROL MARK N260 RESET 1979 NATIONAL GEODETIC SURVEY" in concrete block 0.1' above ground, 35' E. of UP-SP RR, 80' S. of centerline of Bromley Lane, 2' S. & 2' N. of metal witness signs
10	1220196.800	3184008.550	5034.78	FND. 3 1/2" BRASS CAP "US COAST AND GEODETIC SURVEY BENCHMARK L260 1938" in concrete block 0.1' above ground, 20' W. of UP-SP RR, 38' S. of centerline of 132nd Ave, 1' S. & 4' N. of metal witness posts
12	1205857.292	3178795.204	5075.56	FND. 3 1/2" BRASS CAP "U S COAST AND GEODETIC SURVEY BENCHMARK J260 1938" in concrete block 0.5' above ground, 25' W. of westerly UP-SP RR track, 60' N.E. of abandoned RR spur track, 2' N. of metal sign post
100	1242312.873	3189830.628	4978.498	SET 3 1/4" AL. CAP "CDOT 1.185141" flush with ground in median 8' E. of east edge of oil of south-bound US 85 at beginning of taper for left-turn to Denver St., 85' S. of south end of type-3 guardrail south of 168th Ave.
101	1241375.795	3189691.677	4975.254	SET 3 1/4" AL. CAP "CDOT 1.164141" flush with ground, 18' W. of west edge of oil south-bound US 85, 14' south-southwest of "Stop" sign at US 85 for east-bound Denver St.
102	1239999.749	3189733.138	4969.621	SET 3 1/4" AL. CAP "CDOT 1.161141" flush with ground in median 5' E. of east edge of oil south-bound US 85, 60' N. of light-standard at gore of south-bound off-ramp to SH 7
103	1238777.185	3189613.931	4972.676	SET 3 1/4" AL. CAP "CDOT 1.160141" 0.1' below asphalt median cover 1.5' S. of north curb, 9' W. of "Hospital" sign, 5.5' E. of west nose of island in center of SH 7 (Bridge St.) and E. of north-bound US 85 ramps
104	1238780.625	3189341.045	4968.080	SET 3 1/4" AL. CAP "CDOT 1.160140" flush with asphalt median cover 2' S.W. of curb near middle of N.E. radius of island in center of SH 7 (Bridge St.) between intersections with west frontage road (Kuner Rd.) and south-bound US 85 ramps
105	1237979.656	3189316.655	4978.397	SET 3 1/4" AL. CAP "CDOT 1.158140" flush with ground 3' W. of west edge of oil south-bound US 85, 12' E. of east edge of oil on-ramp from SH 7, 33' N. of "Merge" sign in gore
106	1233735.007	3188564.430	4995.730	SET 3 1/4" AL. CAP "CDOT 1.152137" flush with gravel median 4' W. of west curb north-bound US 85 and 4' S.E. of "Bromley Lane Must Turn Left" sign, about 200' N. of end of median at Bromley Ln.
107	1233335.002	3188542.741	4999.344	SET 3 1/4" AL. CAP "CDOT 1.151137" flush with gravel median cover 3' W. of west edge of oil north-bound US 85 and 4' S.E. of "Left Lane Must Turn Left" sign about 100' S. of Bromley Ln.
108	1228135.298	3187218.518	5010.145	SET 3 1/4" AL. CAP "CDOT 1.144134" flush with ground 12' S.E. of southeast edge of oil of S.E. radius of north-bound US 85 and 144th Ave., 65' S.W. of "RR Crossing" sign and 70' S.W. of end-brace post of barbed-wire ROW fence
109	1227580.756	3186840.390	5010.161	SET 3 1/4" AL. CAP "CDOT 1.143133" 0.1' below ground 6' W. of west edge of oil of south-bound US 85, 85' N. of north end of type-3 guardrail for culvert E-17-ET at Third Creek, and about 600' S. of 144th Ave.
110	1223410.852	3185106.802	5023.436	SET 3 1/4" AL. CAP "CDOT 1.137126" flush with ground in median 6' E. of east edge of oil south-bound US 85, 280' S. of "RR crossing on side road" sign, 200' N. of "136th Ave." sign at intersection
111	1222857.290	3184962.954	5024.722	SET 3 1/4" AL. CAP "CDOT 1.136126" flush with ground 4' S.E. of southeast edge of oil in southeast radius of north-bound US 85 and 136th Ave., and 15' S.W. of "RR Crossing" sign
112	1220729.103	3183970.098	5033.707	SET 3 1/4" AL. CAP "CDOT 1.133122" flush with ground in median 8' W. of west edge of oil of north-bound US 85 at point 65' N. of "85" shield on east shoulder, 170' S. of "RR crossing on side road" sign, and about 600' N. of 132nd Ave.
113	1220282.880	3183850.089	5032.976	SET 3 1/4" AL. CAP "CDOT 1.132122" flush with ground 17' N.E. of northeast edge of oil near middle of northeast radius north-bound US 85 and 132nd Ave., and 6' E. of "Yield" sign
114	1216552.537	3182159.126	5036.003	SET 3 1/4" AL. CAP "CDOT 1.126117" flush with ground in median 8' E. of east edge of oil of south-bound US 85, 90' N. of north edge of oil of Nome St. cross-over, and 230' S. of "Reduced Speed Ahead" sign
115	1215311.028	3181694.775	5043.122	SET 3 1/4" AL. CAP "CDOT 1.125116" flush with ground 6' E. of east edge of oil of north-bound US 85, 13' S. of south end of type-4 barrier for bridge E-17-BI over Fulton Ditch, and about 300' N. of SH 22 (124th Ave.)
116	1215019.733	3181566.259	5042.458	SET 3 1/4" AL. CAP "CDOT 1.124115" flush with ground 4' E. of east edge of oil of north-bound US 85 and 18' N. of signal/span-wire pole in northeast radius with SH 22 (124th Ave.)
117	1212339.126	3180248.288	5048.758	SET 3 1/4" AL. CAP "CDOT 1.120112" flush with ground 11' S.W. of corner-brace post of barbed-wire ROW fence and 22' N.W. of northwest edge of oil near middle of northwest radius south-bound US 85 and 120th Ave.
118	1211847.535	3180075.716	5052.166	SET 3 1/4" AL. CAP "CDOT 1.119111" flush with ground in median 10' E. of east edge of oil of south-bound US 85, 160' S. of "Wrong Way" sign, 310' N. of "RR Crossing on side road" sign and about 500' S. of 120th Ave.
119	1207059.287	3177316.335	5070.384	SET 3 1/4" AL. CAP "CDOT 1.112104" flush with ground 13' S.W. of barbed-wire ROW fence, 18' E. of east edge of oil of north-bound US 85, 90' N. of north edge of oil of 112th Ave.
120	1206422.488	3176864.204	5072.274	SET 3 1/4" AL. CAP "CDOT 1.111103" flush with gravel median 5' W. of west edge of oil of north-bound US 85, 105' N. of "RR crossing on side road" and "112th Avenue" signs, about 500' S. of 112th Ave.
121	1202385.048	3174072.597	5075.811	SET 3 1/4" AL. CAP "CDOT 1.105099" flush with ground in median 12' E. of east edge of oil of south-bound US 85, 205' S. of "Speed Limit 45" sign, and 250' N. of "signal-ahead" sign and beacon, about 700' N. of SH 44 (104th Ave.)
122	1201689.060	3173381.599	5074.352	SET 3 1/4" AL. CAP "CDOT 1.104098" flush with ground 6' N.W. of curb in northwest radius of south-bound US 85 and SH 44 (104th Ave.), and 21' S.W. of signal/span-wire pole
123	1200676.804	3172524.607	5075.756	SET 3 1/4" AL. CAP "CDOT 1.102097" 0.1' below ground in median 7' E. of east edge of oil south-bound US 85, 70' S. of "Speed Limit 55" sign, and 135' N. of "Merge" sign, about 1200' S. of SH 44 (104th Ave.)
124	1200147.040	3172208.263	5077.730	SET 3 1/4" AL. CAP "CDOT 1.101096" 0.1' below ground 8' E. of east edge of oil of north-bound US 85 at delineator, 160' N. of north end of type-4 barrier under bridge E-17-OY west-bound I-76 over north-bound US 85

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of the 6th P.M.
ADAMS COUNTY

Survey Control Diagram
Plan Sheet
Project Number: STA 0853-044
Project Location: US 85 - I-70 to 168th Ave.
Project Location:

Project Code:	Last Mod. Date	Subset Sheets	Sheet No.	Total No. of Sheets
13352	04-25-02			

BASIS OF G.P.S. SURVEY (FEET)

PNT	NAME	LATITUDE (N)	LONGITUDE (W)	STATE PLANE COORDINATES NORTH	STATE PLANE COORDINATES EAST	ELLIPSOID HEIGHT	ORTHOMETRIC HEIGHT	CONVERGENCE ANGLE	GRID SCALE FACTOR
1	BRIGHTON 2	40° 01' 41.34482"	104° 45' 30.14283"	1,253,970.09	3,207,681.28	5,163.080	5,222.	0° 28' 45.1"	0.99996435
7	N 260 RESET	39° 58' 19.52094"	104° 49' 29.80882"	1,233,399.79	3,189,194.12	4,938.835	4,997.44	0° 26' 10.2"	0.99996861
10	L 260	39° 56' 09.42790"	104° 50' 37.66883"	1,220,196.80	3,184,008.55	4,976.499	5,034.78	0° 25' 26.4"	0.99997185
12	J 260	39° 53' 46.27245"	104° 52' 11.55589"	1,205,861.10	3,176,797.12	5,017.542	5,075.56	0° 24' 25.7"	0.99997582
27	ROTELLA	39° 50' 21.84997"	104° 57' 58.13992"	1,184,797.09	3,149,911.29	5,139.294	5196.	0° 20' 41.8"	0.99998246

GENERAL NOTES

1. This Survey Control Diagram is prepared for Colorado Department of Transportation purposes only. This Survey Control Diagram is not a Monumented Land Survey or Boundary Survey and does not address matters of title.
2. 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.
3. Horizontal Control Tolerance meets C.D.O.T. Type A (+/- 0.10' with 95% certainty).
4. BASIS OF BEARINGS:
   All bearings are grid bearings of the Colorado State Plane Coordinate System of 1983(1992), North Zone determined by a fast static GPS survey. The bearing from point 1 to point 7 being S.41° 56' 49"W.
5. BASIS OF ELEVATION:
   Elevations are based on several NGS published benchmarks designated as:
   J 260 (PID KK0402) Elev. 5,075.56 feet (NAVD 1988)
   K 260 (PID KK0404) Elev. 5,052.27
   L 260 (PID KK0411) Elev. 5,034.78
   M 260 (PID KK0413) Elev. 5,019.34
   N 260 RESET(PID KK1304) Elev. 4,997.44
   Q 391 (PID KK1305) Elev. 4,973.18
   S 412 (PID KK1398) Elev. 5,071.49

   Vertical Order-First Class II. All points of elevation were established by differential leveling.
6. Elevations were run to an accuracy of +/- 0.035 ft. times the square root of the distance traversed in miles.

   Elevations of points 100-105 are based on Q 391
   Elevations of points 106-109 are based on N 260 RESET
   Elevations of points 110-111 are based on M 260
   Elevations of points 112-113 are based on L 260
   Elevations of points 114-118 are based on K 260
   Elevations of points 119-120 are based on J 260
   Elevations of points 121-124 are based on S 412

Surveyor's Statement:

I, Scott L. Kimminau, a Professional Land Surveyor in the State of Colorado, do hereby state that this Survey Control Diagram: was prepared, and the field survey it depicts was performed, under my responsible charge; is based upon my knowledge, information and belief; and was executed in accordance with applicable standards of practice. This statement is not a guarantee or warranty, either expressed or implied.

PLS No. _____ Date: _____

COLORADO REGISTERED SCOTT L. KIMMINAU 29757 PROFESSIONAL LAND SURVEYOR
Scott L. Kimminau 4/29/02

COUNTY SURVEYORS CERTIFICATE

Deposited this _____day of _____,20__,at ____.M., in Book _____ of the County Surveyor's Land Survey Plats/ Right-of-Way surveys at Page _____,Reception No._____.

_____
County Surveyor

Book 1 Page 2091

Book 1 Page 2091