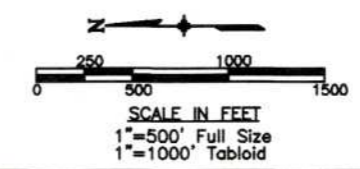


Region 6  
Address: 2000 South Holly Stree  
Denver, CO 80222  
Phone: (303) 757-9923 FAX: (303) 757-9053

Survey Unit: Scott Kimminau, PLS

**SUPPLEMENTAL SURVEY CONTROL DIAGRAM**  
IN SECTIONS 26, 27, 34 AND 35, T. 2 S., R.68W.;  
SECTIONS 2, 3, 10 & 15, T. 3 S., R.68W.;  
of the 6th P.M.  
ADAMS COUNTY  
Prepared By C.D.O.T., Region 6, R.O.W.



Survey Control Diagram				
Plan Sheet				
Project Number: IR(CX)270-6(026)				
Project Location: I-270 at I-76				
Project Location:				
Project Code:	Last Mod. Date:	Subset Sheets:	Sheet No.:	Total No. of Sheets:
30067	00-00-00	XXX of XXX	270	XXX

**SURVEY CONTROL POINT TABULATION - PROJECT SPECIFIC - U.S. SURVEY FEET**

**FOUND MONUMENTS**

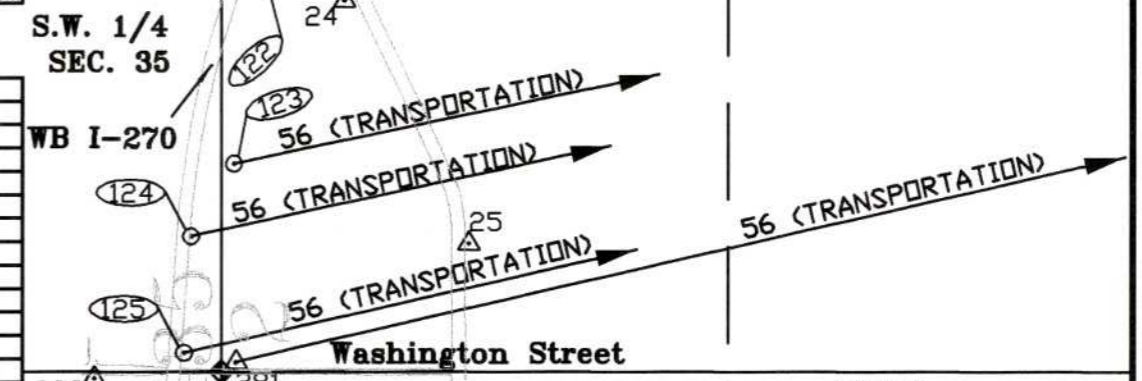
Sections 27, 34 & 35, Township 2 South and Sections 2 & 3, Township 3 South, Range 68 West of the 6th P.M.

PNT	NORTHING	EASTING	ELEVATION	DESCRIPTION OF MONUMENTS
24	726141.638	149241.434	5126.500	3.25" AL CAP "CDOH GPS24 ZBS PLS11434" 18' N. of N. edge of oil on S.H. 224 & 20' W. of W. edge of oil on Lafayette St.
25	725493.246	147971.841	5138.700	1.5" AL CAP "419" 5' S. of S. edge of oil on S.H. 224 & approx. 700' E. of Washington St.
28	728713.857	145559.167		3.25" AL CAP "CDOH GPS 28 ZBS PLS 11434 1.075002" 3' S. of curb at S. end cul-de-sac 7500 Sherman St.
32	734674.153	145235.431	5251.290	3.25" AL CAP "CDOH 1.084003 GPS32 ZBS PLS 11434" in E. end of conc. bridge/walk on S. side at 84th & I-25
43	726561.907	146576.819	5150.450	3.25" AL CAP "ZBS INC GPS43 1.071005 PLS 11434" in top S.W. cor. of conc. headwall 25' E. of E. edge/oil of loop ramp
47	726805.638	145630.624		3.25" AL CAP "CDOT PT 47 1994 PLS 11434 1.072002" 5' N.E. of S. footing of sign on bridge E. bd. U.S. 36 over I-25
53	726815.090	146604.850	5199.230	3.25" BR CAP "CDOH PT53 1.072006 1994 PLS 11434" in S. conc. shoulder 1' E. of exp. joint at E. end of bridge over I-25
55	725541.773	146375.816		3.25" AL CAP "CDOT 1994 1.070004 PT 55 11434" 4' N. of N. back of walk & 20' W. of sign bridge & E. of bridge abutment
138	733327.698	145438.664		1 1/2" AL CAP "COLO DEPT OF HWYS"
143			5150.363	SEE POINT 43
253			5199.117	SEE POINT 53
281	726707.144	147350.474	5147.510	1.5" AL CAP "2" 1.7' E. of W. curb of landscaped area E. of Washington St. at 7174 Washington St.
282	727446.318	147265.416	5143.700	3.25" AL CAP "282" 4' W. of irrig. ditch approx. 15' N. of N. edge of asphalt drive at 7295 Washington St.
470	730726.143	145578.786	5259.320	3.25" AL CAP "CDOH 470 1.078003" 27' W of W. edge of oil S. bd I-25 & 8' E., 22' S of cor. post of wood sound barrier
507	734070.969	145097.245	5255.220	3.25" AL CAP "CDOH 1.0760035 PLS14108" 5' E. of E. edge of oil, S. bd I-25 on-ramp from E. 84th Ave. & 40' S. of 3rd lum.

**SET MONUMENTS**

Sections 27, 34 & 35, Township 2 South and Sections 2 & 3, Township 3 South, Range 68 West of the 6th P.M.

122	726527.497	149309.144	5155.760	3.25" AL CAP "CDOT CP122 1.072014" 135' S. of S. edge of conc. 270 ext. & 400' W. of N. edge of oil S.H. 224
123	726716.636	148389.486	5144.506	3.25" AL CAP "CDOT CP123 1.072011" 105' W. of manhole, 160' S of sign brdg. & 180' S. of S. edge of oil 270 ext.
124	726939.604	148008.139	5152.666	3.25" AL CAP "CDOT CP124 1.072009" 7.4' S. edge of conc. 270 ext., 500' W. of sign bridge
125	726975.958	147399.986	5169.461	3.25" AL CAP "CDOT CP125 1.072007" 14' S. of 270 ext. over Washington, 210' W. of sign bridge, 75' E. of E. edge of oil
126	726759.057	146154.887	5182.847	3.25" AL CAP "CDOT CP126 1.072004" 5' N. of I-25 N. off-ramp to U.S. 36 W., 80' S. of bridge 270 ext.
127	727196.857	146692.756	5177.774	3.25" AL CAP "CDOT CP127 1.072006" 8.5' W. of edge of oil 270 W. to I-25 N., 40' N. light standard
128	727609.145	146399.649	5166.701	3.25" AL CAP "CDOT CP128 1.072006A" 5.7' E. from grd rail on 270 ext. W. off-ramp to I-25 N., 75' from merge sign
129	727253.167	145710.763	5171.810	3.25" AL CAP "CDOT CP129 1.072003" 65' W of W. edge of oil I-25, 66' S. of edge I-25 off-ramp to U.S. 36
130	728517.900	145701.019	5180.686	3.25" AL CAP "CDOT CP130 1.074003" 13' W. of W. edge of oil I-25, 24' S. of sign bridge, 1.1 mile S. of 84th Ave.
131	729223.397	145658.480	5204.208	3.25" AL CAP "CDOT CP131 1.075003" 26' W of W. edge of oil I-25, 22' N. of class II sign, 1 mile S. of 84th Ave.
132	729928.536	145638.038	5232.330	3.25" AL CAP "CDOT CP132 1.077003" 11' W. of W. edge of oil I-25, 75' N. of class II sign, .9 miles S. of 84th Ave.
133	731296.355	145561.532	5265.421	3.25" AL CAP "CDOT CP133 1.079003" 14' W. of W. edge of oil I-25, 6.3' E. of class II sign, .75 miles S. of 84th Ave.
134	732392.955	145424.880	5279.170	3.25" AL CAP "CDOH 1.081003 PLS 14083" typ ref cap 20' W. of W. edge of oil SB I-25 & 105' N. of MP 218
135	733009.098	145318.070	5274.414	3.25" AL CAP "CDOT CP135 1.082003" 14' from W. edge of oil SB, 155' S. of light standard, .4 S. of 84th Ave.
139	727193.916	145998.484	5161.057	1 1/2" AL CAP "139" 70' N. of Bridge W-bd U.S. 36 & 80' E. of edge of oil former N-bd. I-25
140	728413.438	145871.895	5179.221	2" AL CAP "CDOT 140" 18' E. of edge of oil former N-bd. I-25 & 200' S. of highmast light S. of convergence N-Sbd. I-25
141	729456.603	145866.938	5208.803	2" AL CAP "CDOT 141" 3' S.S. of S.W. E/O E. 76th Ave. @ curve to maint. yard & 25' S.E. of W. gate post @ yard entrance

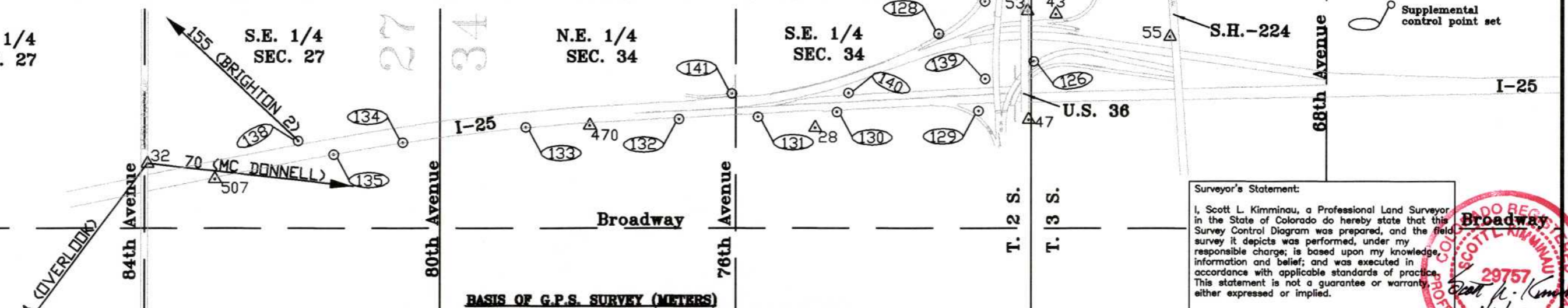


N.E. 1/4 SEC. 27

S.E. 1/4 SEC. 27

N.E. 1/4 SEC. 34

S.E. 1/4 SEC. 34



PNT	NAME	LATITUDE (N)	LONGITUDE (W)	STATE PLANE COORDINATES		ELLIPSOID HEIGHT	ORTHOMETRIC HEIGHT	CONVERGENCE ANGLE	GRID SCALE FACTOR
				NORTH	EAST				
54	Overlook	39° 58' 01.27002"	105° 11' 18.88937"	541714.279	941013.970	1714.80	1731.00	0° 11' 47.2"	1.00005016
56	Transportation	39° 41' 30.20295"	104° 56' 17.89912"	511250.530	962581.266	1643.40	1660.6	0° 21' 15.3"	0.99998899
70	McDonnell	39° 44' 34.68938"	105° 00' 03.94511"	516908.798	957184.209	1570.62	1587.6	0° 18' 52.8"	0.99998862
155	Brighton 2	40° 01' 41.34462"	104° 45' 30.14283"	548715.212	977709.735	1573.71	1591.7	0° 28' 03.9"	1.00006689

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. 29757 Date: 1/11/02

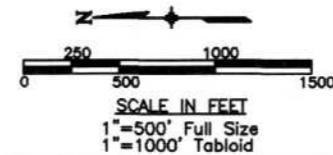


**COUNTY SURVEYORS CERTIFICATE**

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

1:1000



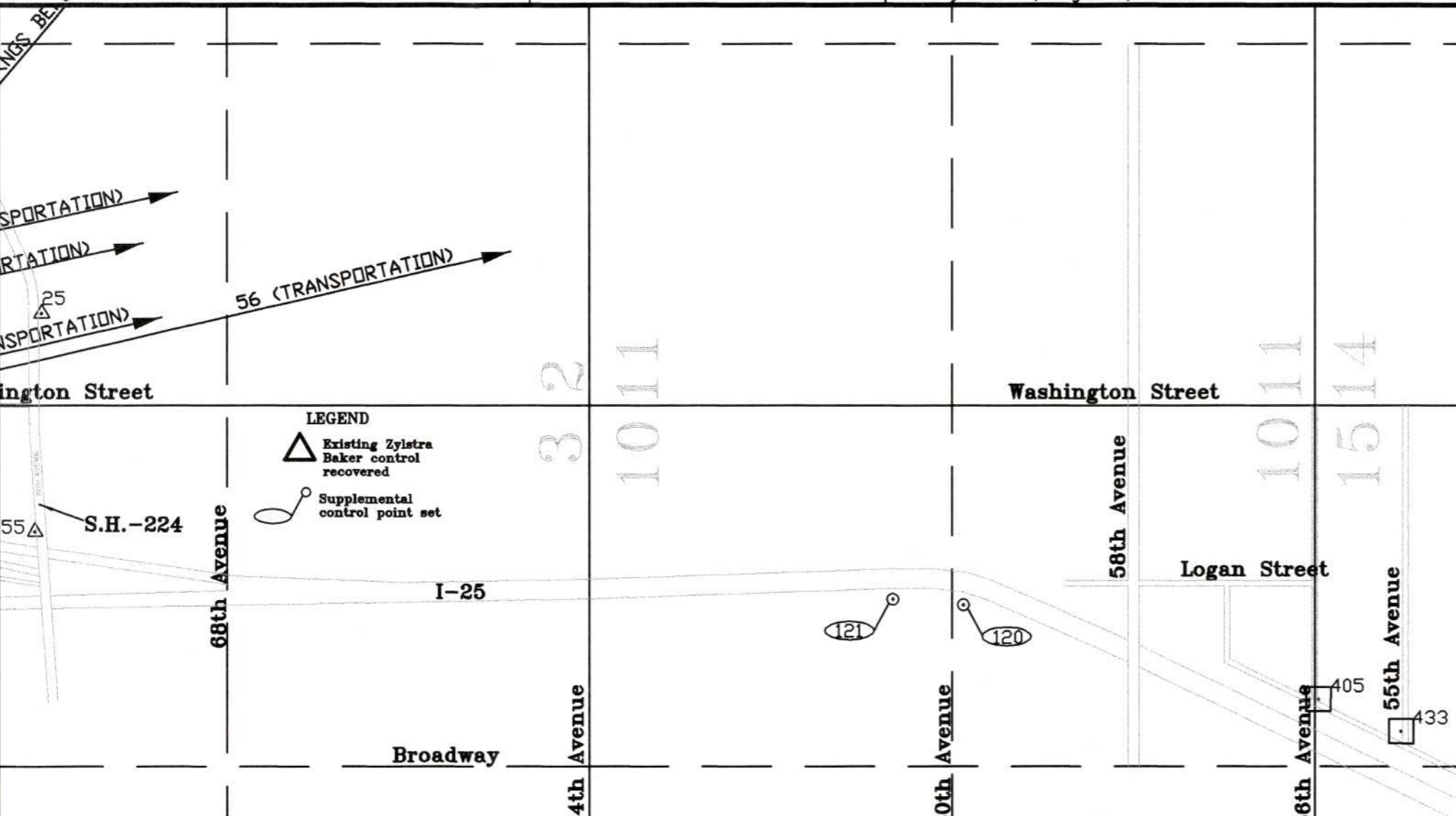
Survey Control Diagram				
Plan Sheet				
Project Number: IR(CX)270-6(026)				
Project Location: I-270 at I-76				
Project Location:				
Project Code	Last Mod. Date	Subset Sheets	Sheet No.	Total No. of Sheets
92087	05-30-03	XXX of XXX	223	223

Region 6  
 Address: 2000 South Holly Stree  
 Denver, CO 80222  
 Phone: (303) 757-9923 FAX: (303) 757-9053

Survey Unit: Scott Kimminau, PLS

GENERAL NOTES

- 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.
  - 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.
  - Horizontal Control Tolerance meets C.D.O.T. Type A (+/- 0.10' with 95% certainty). Control points 24, 53, 122, 139, 140 and 141 were not included in the GPS resolution, but were set and/or checked by conventional traverse.
  - BASIS OF BEARINGS:  
 All bearings are grid bearings of the Colorado State Plane Coordinate System of 1983(1992), Central Zone determined by a fast static GPS survey. The bearing from point 25 to point 32 being N.16° 35' 49"W. These two points were part of the previous Zylstra Baker Survey Control Diagram for C.D.O.T. projects IM-IR(CX)25-3(107) & IR(CX) 270-6(026).
  - BASIS OF ELEVATION:  
 Elevations are based on NGS published benchmark designation Z313 (PID KK0385). The monument is a 3 3/4" Brass Disk stamped "US C & G S Z313 1956". Flush with top of concrete 1' S.W. of N.E. end of N.W. side of N.E. abutment on UP-SP RR bridge over Sand Creek and E. 60th Ave. NGVD 29 vertical datum is 1570.349m and 5152.05ft.; Vertical Order-First Class II. All points of elevation were established by differential leveling.
  - Elevations were run to an accuracy of +/- 0.035 ft. times the square root of the distance traversed in miles and are published to a higher accuracy to attain values as used for topography.
- In leveling between Zylstra-Baker monuments along I-25 from US 36 to 84th Avenue, a discrepancy of between 0.1 and 0.2 feet in their published elevations was found. The elevations of control points 28, 43 and 53 were determined to be about 0.11 feet below the elevations listed in their control diagram. Points 43 and 53 are the only conveniently placed ZBS monuments left between US 36 and 8000 north. Therefore, two control points, 143 and 253, have been added, with adjusted elevations on the same monuments as 43 and 53. Our new control points (126, 127, 128, 129, 130, 131, and 132 set by GPS, and 139, 140, and 141 set by traverse) are therefore adjusted in elevations to fit the elevation of point 253.
- Field information in books 1068 (hor., vert. & topo.) and 1069 (vert. & topo.).



SURVEY CONTROL POINT TABULATION - PROJECT SPECIFIC - U.S. SURVEY FEET

FOUND MONUMENTS

Sections 10 & 15, Township 3 South, Range 68 West of the 6th P.M.

PNT	NORTHING	EASTING	ELEVATION	DESCRIPTION OF MONUMENTS
405	716195.253	145149.674		3 1/4" AL ROW MONUMENT "CDOT PLS 17669 Point No. 405 Project 92918" 2.5' S.E. of conc. curb ramp in S.E. quad. of intra. 56th/E. Front. Rd.
433	715592.524	144914.837		3 1/4" AL ROW MONUMENT "CDOT 17669 Point No. 433 92918" flush w/gnd. 9' N.E. of light std., 11' E. of E. back of walk in N.E. quad. 55th/E. Front. Rd.

SET MONUMENTS

Sections 10 & 15, Township 3 South, Range 68 West of the 6th P.M.

PNT	NORTHING	EASTING	ELEVATION	DESCRIPTION OF MONUMENTS
120	718779.684	145840.525		3 1/4" AL CAP STAMPED "CDOT 1.060003 PointNo120" in conc. shldr. 2.8' E. of W. type 4 barr. in I-25 HOV lane 60' N. of MP 215.5
121	719293.854	145882.107		3 1/4" AL CAP STAMPED "CDOT 1.061003 PointNo121" in conc. shldr. 2.2' E. of W. type 4 barr. in I-25 HOV lane 55' S. of cantilever var. message sign

LEGEND

- Existing Zylstra Baker control recovered
- Supplemental control point set
- R.O.W. monument recovered

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

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. 29757 Date: 1/11/02

