

DEPARTMENT OF TRANSPORTATION – STATE OF COLORADO
SURVEY CONTROL DIAGRAM

PROJECT # STU 0030(7)
STATE HIGHWAY NO. 30 (HAVANA)
LOCATED IN SECTIONS 10, 11, 14, 15, 22 AND 23,
TOWNSHIP 4 SOUTH, RANGE 67 WEST OF THE 6TH PRINCIPAL MERIDIAN
COUNTIES OF ARAPAHOE AND DENVER, STATE OF COLORADO

MODIFIED STATE PLANE COORDINATES, COLORADO CENTRAL ZONE, (CDOT 1992),
USING A COMBINED FACTOR OF 1.0002677 AND A MEAN PROJECT ELEVATION
OF 5465.71 U.S. SURVEY FEET.

* MONUMENTS SET NOV. 1992
◆ INDICATES FOUND ALIQUOT LAND CORNER

POINT	NORTHING	EASTING	ELEV.	DESCRIPTION
1111	1677734.5793	3179503.6953	5494.33	* SET TYPE 2 CDOT MONUMENT, I.D. #2.014105
1703	1686697.6381	3179144.9693	5453.08	* SET TYPE 2 CDOT MONUMENT, I.D. #2.001105
1711	1677136.0392	3179096.0863	5502.48	* SET TYPE 2 CDOT MONUMENT, I.D. #2.015105
1712	1679169.4033	3179327.2081	5486.53	* SET TYPE 2 CDOT MONUMENT, I.D. #2.012105
1713	1679743.8571	3179200.5542	5480.21	* SET TYPE 2 CDOT MONUMENT, I.D. #2.011105
1714	1680731.3114	3179311.0838	5472.50	* SET TYPE 2 CDOT MONUMENT, I.D. #2.009105
1715	1681963.8612	3179188.2409	5464.08	* SET TYPE 2 CDOT MONUMENT, I.D. #2.008105
1716	1682530.5742	3179305.1020	5460.61	* SET TYPE 2 CDOT MONUMENT, I.D. #2.007105
1717	1683730.8141	3179150.7509	5453.74	* SET TYPE 2 CDOT MONUMENT, I.D. #2.005105
1718	1685020.6393	3179283.8465	5434.35	* SET TYPE 2 CDOT MONUMENT, I.D. #2.003105
1719	1687501.9334	3179127.5147	5442.46	* SET TYPE 2 CDOT MONUMENT, I.D. #1.001105
1720	1678026.4006	3179228.8624	5492.45	* SET TYPE 2 CDOT MONUMENT, I.D. #2.014105
1750	1681351.6820	3179208.2190	5466.69	* SET NAIL
1756	1677530.3743	3179332.9110	N/A	* SET 1-1/2" ALUM. CAP, STAMPED 'COLO DEPT OF TRANS'
1757	1677016.6703	3179693.2413	N/A	* SET 1-1/2" ALUM. CAP, STAMPED 'COLO DEPT OF TRANS'
◆ 1103	1684953.6149	3179225.1997	N/A	NE CORNER SEC. 15, FND. 3" BRASS CAP LS #16419
◆ 1107	1687598.3813	3179216.0550	N/A	E 1/4 CORNER SEC. 10, FND. 3" BRASS CAP LS #16419
◆ 1403	1679672.8715	3179265.0171	N/A	NE CORNER SEC. 22, FND. 3" BRASS CAP LS #16419
◆ 1407	1682313.3764	3179245.0142	N/A	E 1/4 CORNER SEC. 15, FND. 3" BRASS CAP LS #16419
◆ 2307	1677022.3097	3179283.0841	N/A	E 1/4 CORNER SEC. 22, FND. 3" BRASS CAP LS #16419

NOTE: THESE MONUMENTS WERE SET OR FOUND IN MARCH, 1997.

POINT	NORTHING	EASTING	ELEV.	DESCRIPTION
1	1682245.9643	3178825.8368	N/A	SET PK NAIL
2	1682098.8537	3178592.0613	N/A	FOUND DWD ROW MARKER ON 3" STEEL POST, 2615+14.9 LEFT
3	1682167.4468	3178854.9069	N/A	FOUND DWD ROW MARKER ON 3" STEEL POST, 2617+92.6 LEFT
4	1682294.7743	3179117.8764	N/A	SET 60D NAIL
6	1683319.7711	3180380.4504	N/A	FOUND PIN LS #16398, 2636+95.77 RIGHT
7	1682992.5223	3180124.8086	N/A	SET 60D NAIL
8	1682615.4190	3179541.9070	N/A	SET MAG NAIL

BASIS OF BEARINGS: BEARINGS ARE DETERMINED BY G.P.S. OBSERVATIONS ON A BASELINE
BETWEEN DENVER METRO AREA G.P.S. GEODETIC CONTROL SYSTEM POINTS #1111 (2.014105 BUCKINGHAM)
AND #1703 (2.001105 HAVANA), NAD 83 (CDOT, 1992). POINT #1111 (BUCKINGHAM) IS A 3-1/4" DIA.
CDOT CAPPED MONUMENT IN BERTNSEN BOX AND POINT #1703 (HAVANA) IS A 3-1/4" CDOT CAPPED
MONUMENT IN PVC COLLAR WITH METAL COVER. THE OBSERVED LINE BEARS N 02°17'30.9" W.

BENCHMARK: THE BENCHMARK IS CITY OF AURORA BENCHMARK NO. 03-045, A 3" BRASS CAP IN THE
TOP OF CONCRETE INLET STRUCTURE APPROXIMATELY 190 FEET EAST OF THE EAST FLOWLINE OF HAVANA
STREET AND 4.5 FEET NORTH OF THE NORTH FLOWLINE OF EAST FIRST AVENUE. ELEVATION = 5443.72 FEET
CITY OF AURORA DATUM, 1981.

NOTES:

- THIS CONTROL SURVEY IS FOR THE USE OF COLORADO DEPARTMENT OF TRANSPORTATION PERSONNEL.
THIS SURVEY IS NOT A COMPLETE BOUNDARY SURVEY.
- BASIC CONTROL SURVEY AND LAND CORNER SURVEY MEETS OR EXCEEDS CDOT TYPE 'A' REQUIREMENTS.
- 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 STATEMENT SHOWN.

FILING CERTIFICATION:

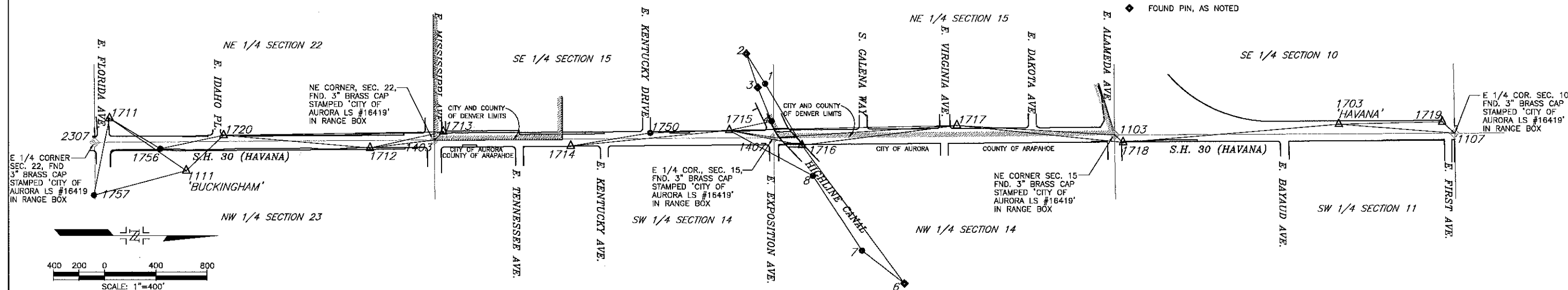
DEPOSITED THIS _____ DAY OF _____, 19____,
AT _____ O'CLOCK _____ M. IN BOOK _____ OF THE COUNTY
SURVEYOR'S LAND SURVEY OFFICE AT PAGE _____, UNDER RECEPTION
NO. _____

COUNTY SURVEYOR _____

DEPUTY _____

△ CONTROL MONUMENTS ARE SET CDOT TYPE 2 MONUMENTS, A 3-1/4" DIAMETER
ALUMINUM CONTROL MONUMENT CAP (AS SHOWN) ON A 3" x 3/4" DIA. FINNED
ALUMINUM SECURITY ROD AND A 3" x 3/4" DIA. SMOOTH ALUMINUM ROD.

- SET PIN, AS NOTED
- ◆ FOUND PIN, AS NOTED



Computer File Information		Index of Revisions		PREPARED BY: BENCHMARK	As Constructed		SURVEY CONTROL DIAGRAM		Project No./Code	
Creation Date:	Initials: LC				No Revisions:				STU 0030(7)	
Last Modification Date:	Initials:				Revised:		Designer:		91168	
Full Path:					Void:		Detailer:			
Drawing File Name: 3369-3.dwg							Sheet Subset:	Subset Sheets: of	Sheet Number 3	
Acad Ver. R12	Scale: 1" = 400'	Units: ENGLISH								