

DEPARTMENT OF TRANSPORTATION-STATE OF COLORADO

SURVEY CONTROL DIAGRAM

U.S. HIGHWAY 6 FROM 19TH STREET TO STATE HWY 58 IN GOLDEN
SECTION 33, TOWNSHIP 3 SOUTH, RANGE 70 WEST, 6TH PRINCIPAL MERIDIAN
JEFFERSON COUNTY, COLORADO

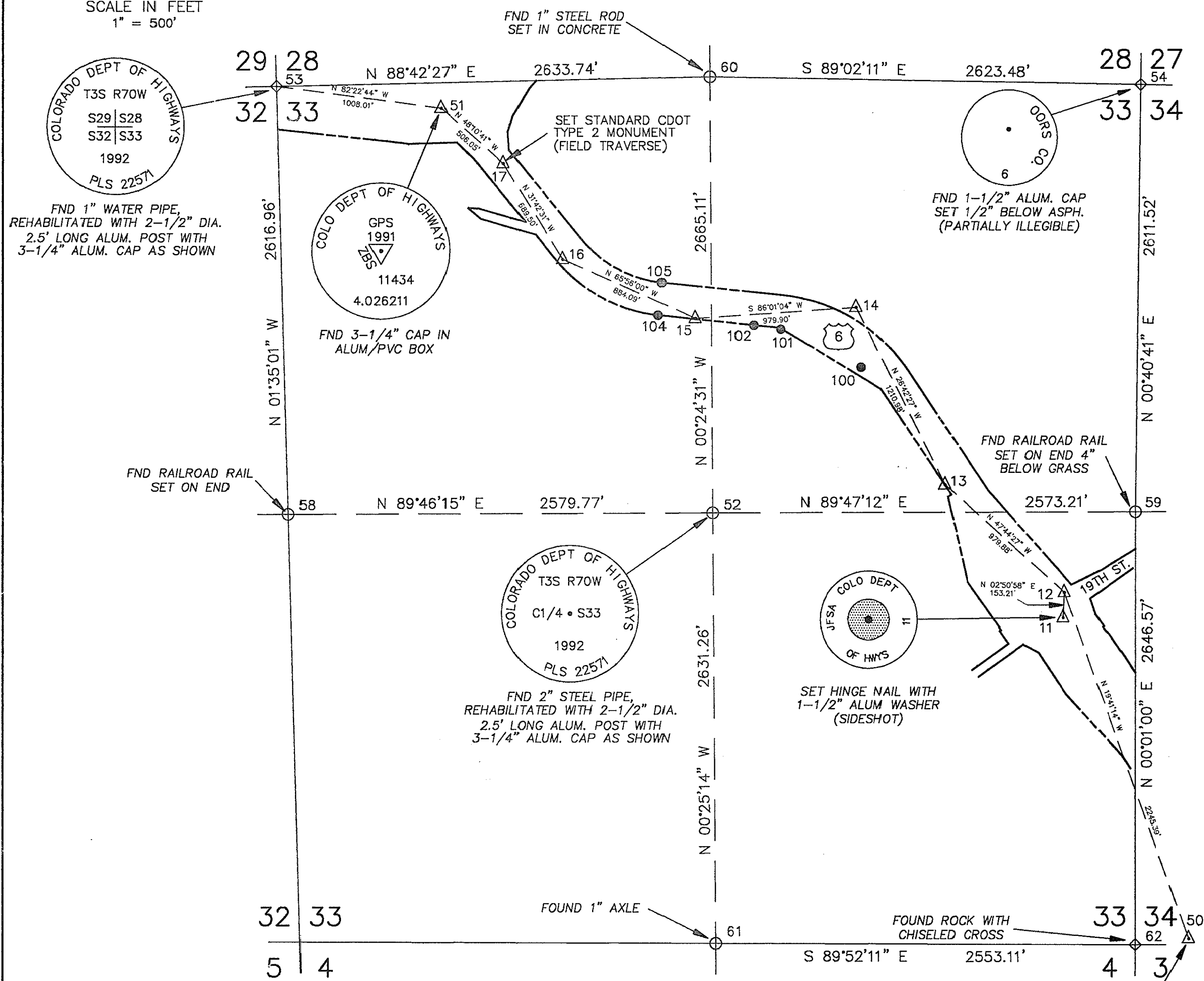
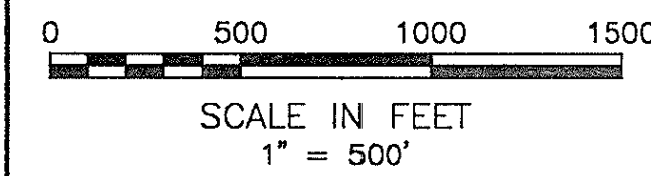
LOCATIONS DETERMINED BY GLOBAL POSITIONING SYSTEMS AND CONVENTIONAL METHODS

AS CONSTRUCTED

FED. ROAD REGION	DIVISION	PROJ. NO.	SHEET NO.
VIII	COLO	FC(X)006-1(054)	

REVISIONS

NO.	DESCRIPTION



**ELLIPSOIDAL COORDINATES - GRS 80 ELLIPSOID, NAD 83(1991)
DENVER AREA GPS GEODETIC CONTROL NETWORK (7-25-92)**

POINT	LATITUDE	LONGITUDE	SCALE	CONVERGENCE
* 12	N 39° 44' 45.16181"	W 105° 13' 24.51154"	0.9999992	0° 10' 27.64"
* 13	N 39° 44' 51.67352"	W 105° 13' 33.79209"	0.9999995	0° 10' 21.99"
* 14	N 39° 45' 02.38229"	W 105° 13' 40.75614"	1.0000001	0° 10' 17.60"
* 15	N 39° 45' 01.69107"	W 105° 13' 53.26825"	1.0000001	0° 10' 09.71"
* 16	N 39° 45' 05.25379"	W 105° 14' 03.60025"	1.0000003	0° 10' 03.19"
50	N 39° 44' 24.27265"	W 105° 13' 14.83589"	0.9999981	0° 10' 33.95"
51	N 39° 45' 14.38344"	W 105° 14' 13.06546"	1.0000008	0° 09' 57.22"
54	N 39° 45' 15.85020"	W 105° 13' 18.57374"	1.0000009	0° 10' 31.59"
55	N 39° 43' 31.35718"	W 105° 12' 10.94218"	0.9999952	0° 11' 14.24"
56	N 39° 42' 37.86287"	W 105° 17' 37.05125"	0.9999924	0° 07' 48.57"
57	N 39° 49' 42.31012"	W 105° 13' 20.95581"	1.0000128	0° 10' 30.09"
58	N 39° 44' 49.85881"	W 105° 14' 24.92844"	0.9999994	0° 09' 49.74"
59	N 39° 44' 50.05031"	W 105° 13' 18.97607"	0.9999995	0° 10' 31.34"
60	N 39° 45' 16.29005"	W 105° 13' 52.15020"	1.0000009	0° 10' 10.41"

MODIFIED DATUM PLANE COORDINATES (ROTATED PROJECT SPECIFIC FEET)

POINT	NORTHING	EASTING	ELEV.	DESCRIPTION
* 11	696517.3081	77750.7495	5869.16	JFSA CP # 19TH/6TH AVE
* 12	696670.3247	77758.3657	5869.79	CP 4.019213
* 13	697329.2815	77033.1463	5885.22	CP 4.020217
* 14	698411.0633	76488.9918	5798.26	CP 4.023218
* 15	698343.0145	75511.3617	5759.17	CP 4.023221
* 16	698703.5479	74704.1210	5751.00	CP 4.024223
* 17	698230.1282	74341.7190	5725.96	CP 4.025225
50	694556.1890	78514.8020	-----	"GABY"
51	699627.5686	73964.6027	5772.65	CDOT 4.026211
52	697155.6111	75617.5716	-----	C1/4 SEC 33 T3S R70W
53	699761.2506	72965.4974	-----	NW COR SEC 33 T3S R70W
54	699776.5354	76221.6709	-----	NE COR SEC 33 T3S R70W
55	689201.9487	83509.6049	-----	CDOT "ZURICK" 1" REBAR IN CITY OF LAKEWOOD BOX
56	683789.8618	58019.1614	-----	CDOT "RMCL 100" NGS GRAVITY STA. DISK IN CONC.
57	720673.5629	78031.4884	-----	CDOT "100B" STD. TYPE 2A MON.
58	697145.2947	73037.8242	-----	CDOT "LOOKOUT" (W1/4 SEC 33)
59	697165.1976	78190.7662	-----	E1/4 SEC 33 T3S R70W
60	698920.6566	75598.5629	-----	N1/4 SEC 33 T3S R70W
61	694524.4254	75636.8863	-----	S1/4 SEC 33 T3S R70W
62	694518.6258	78189.9938	-----	SE COR SEC 33 T3S R70W
100	698046.2819	76518.7333	-----	1-1/2" BRASS CAP STAMPED "140"
101	698277.2289	76029.4581	-----	#4 REBAR
102	698301.6903	75865.6357	-----	#4 REBAR
103	698561.5329	75304.2704	-----	CDH MON - 3" BRASS CAP IN CONC.
104	698362.9515	75284.1046	-----	CDH MON - 3" BRASS CAP IN CONC.
105	698561.8239	75304.6652	-----	REBAR # 1" CAP STAMPED (BOL. IS LS 7210)

**COLO. STATE PLANE COORDINATE SYSTEM OF 1983(1991), CENTRAL ZONE
DENVER AREA GPS GEODETIC CONTROL NETWORK (7-25-92)**

POINT	NORTHING	EASTING	DESCRIPTION
* 12	517150.435	938102.574	JFSA 4.019213
* 13	517350.596	937881.016	JFSA 4.020217
* 14	517679.755	937714.232	JFSA 4.023218
* 15	517658.168	937416.425	JFSA 4.023221
* 16	517767.324	937170.134	JFSA 4.024223
50	516506.899	938334.912	"GABY"
51	518048.241	936943.988	CDOT 4.026211
54	518097.342	938241.043	NE COR S33 T3S R70W
55	514879.733	939861.559	CDOT "ZURICK"
56	513208.391	932099.000	CDOT "RMCL 100"
57	524464.776	938164.886	CDOT "100B"
58	517291.052	936663.749	CDOT "LOOKOUT" (W1/4 S33 T3S R70W)
59	517301.606	938233.901	E1/4 S33 T3S R70W
60	518108.501	937441.709	N1/4 S33 T3S R70W

* DENOTES SET TYPE 2A MONUMENT (UNLESS OTHERWISE NOTED). ALL OTHER POINTS LISTED WERE SET BY OTHERS.

GENERAL NOTES

- This control survey is for the use of the Colorado Department of Transportation. The survey is not a complete boundary survey. The rectification of the physical evidence with the recorded documents is to be performed by others.
- No guarantee as to the accuracy of the information contained on this plat is either stated or implied unless this copy bears an original signature of the registered land surveyor hereon named.
- NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discovered 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.
- The modified datum plane coordinates listed are ASSUMED PROJECT COORDINATES only. Ellipsoidal and state plane information is listed for informational purposes only.
- Elevations are based on National Geodetic Survey vertical control mark N407 1984 (elev. 5999.30 ft.)
- Survey control precision computed to exceed Colorado Department of Highways minimum horizontal control tolerance for Type B survey (± 0.25 ft. at 95% certainty).
- BASIS OF BEARINGS: Grid bearings were determined by Global Positioning System methods, and were rotated to geodetic bearings using the convergence angle calculated at Pt. 58. Bearings are referenced to the line between Pt. 12 and Pt. 13. The line between the two set CDOT Type 2A monuments bears N 47° 44' 27" W.
- Field data recorded in CDOT Control Loop Book 33K, on file with the CDOT District 6 ROW Surveyor.

CLERK AND RECORDER'S CERTIFICATE

THIS DOCUMENT WAS FILED FOR RECORD IN THE OFFICE OF THE JEFFERSON COUNTY CLERK AND RECORDER IN THE STATE OF COLORADO AT 10 A.M. ON 2/26/93 DAY of March

BY: NA DEPUTY
CLERK AND RECORDER
Jefferson County

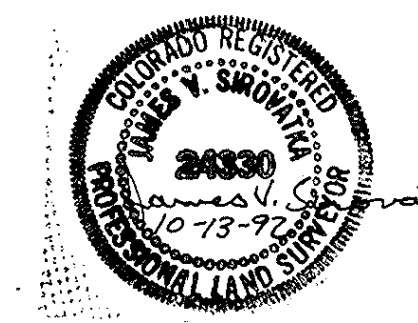
FILE NO: BK 15

MAP NO. PG 32

RECEPTION NO. 93025458

SURVEYOR'S CERTIFICATE

I, JAMES V. SIROVATKA, A REGISTERED LAND SURVEYOR IN THE STATE OF COLORADO, CERTIFY THAT THE WORK SHOWN HEREON WAS PERFORMED BY ME, OR UNDER MY DIRECT SUPERVISION.



J.F. SATO AND ASSOCIATES
Consulting Engineers
Project Managers, Planners & Surveyors
5803 So. Repp St. • Littleton, CO 80120 • (303) 797-1200

KEY

▲	Set standard CDOT Type 2A monument unless otherwise stated (SEE DETAIL)
◇	Found section corner
○	Found 1/4 Corner
●	Found property control
—	Section line
- - -	1/4 Section lines
- - - -	ROW lines
- - - - -	Traverse line

