

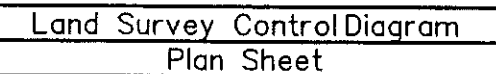



 DOT
 DEPARTMENT OF TRANSPORTATION

Survey Unit: Patricia Dickerson, PLS-II

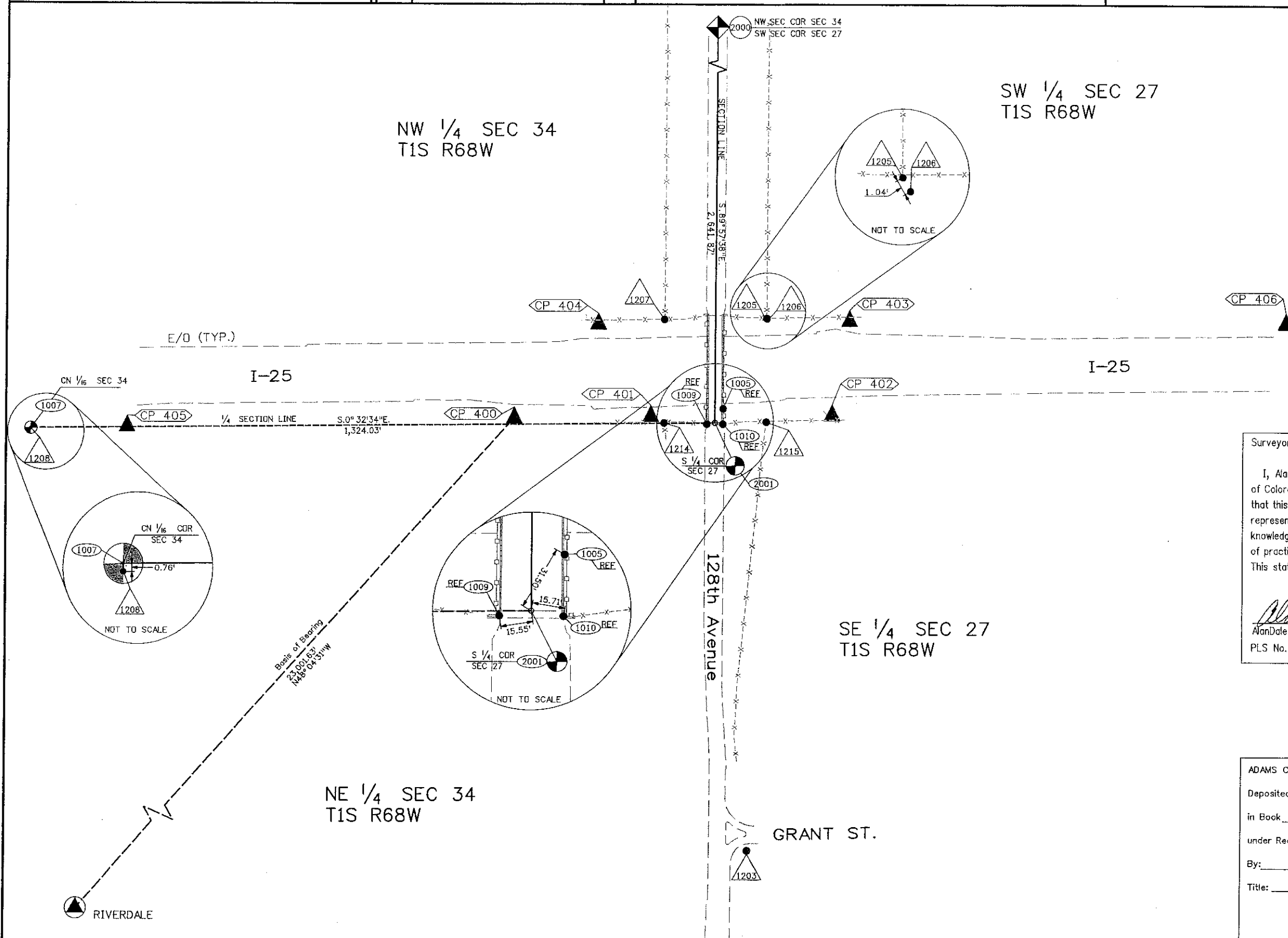
[illegible]

IN SECTIONS 27 & 34, T.1S., R.68W. of the 6th P.M.
ADAMS COUNTY
Prepared By C.D.O.T., Region 6 Survey



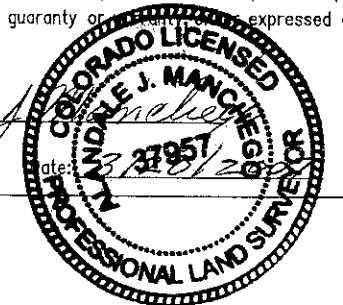
Project Code:	Last Mod. Date	Subset Sheets	Sheet No.	Total No. of Sheets
15573	3-20-07	1 of 2	3	

	SECTION CORNER
	QUARTER CORNER
	SIXTEENTH CORNER
	CONTROL POINT NGS/ADAMS CO. NETWORK
	PROJECT CONTROL POINT (SET)
	COMPUTER POINT NAME
	RECOVERED MONUMENTATION
	MONUMENTATION NOT RECOVERED
	PROPERTY PIN
	CONTROL POINT NO.



I, Alan Dale J. Manchego, a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation that this Land Survey Control Diagram was prepared and the field survey it represents was performed under my responsible charge and, based upon my knowledge, information and belief, is in accordance with applicable standards of practice defined by Colorado Department of Transportation publications. This statement is not a guaranty or warranty, expressed or implied.

Alan Dale J. Manchego
PLS No. 37957



Deposited this _____ day of _____, 200____, at _____ o'clock ____ M.
in Book _____ at page _____ of Land Surveys/Right of Way Surveys,
under Reception No. _____
By: _____
Title: _____

Colorado Department of Transportation



Region 6
Address: 2000 South Holly Street
Denver, Colorado 80222
Phone: 303-757-9922 FAX: 303-757-9053
Survey Unit: Patricia Dickerson, PLS-II

Sheet Revisions

Date mm/yy	Description XXXXXXXX	Initials XXX

LAND SURVEY CONTROL DIAGRAM

IN SECTIONS 27 & 34, T.1S., R.68W. of the 6th P.M.

ADAMS COUNTY

Prepared By C.D.D.T., Region 6 RDW/Survey Dept.

Land Survey Control Diagram

Tabulation Sheet

Project Number: BR 0253-192
Project Location: I-25 at 128th Ave.
Project Location:
Project Code: 15573
Last Mod. Date: 3-20-07
Subset Sheets: 2 of 2
Sheet No.: 3A
Total No. of Sheets:

RECOVERED PRIMARY CONTROL MONUMENTATION - NGS / ADAMS COUNTY NETWORK 1995 - COLORADO COORDINATE SYSTEM OF 1983 CENTRAL ZONE - (FEET)

PID	WGS-84		STATE PLANE		ELLIPSOID HEIGHT	ELEVATION	CONVERGENCE ANGLE	MONUMENT DESCRIPTION
	LATITUDE	LONGITUDE	NORTHING	EASTING				
KK1411	39°54'34.93467"N	105°01'30.68158"W	1766592.820	3133203.562	5229.54	5280.52	0°17'58"	NGS DEEP ROD IN SURVEY BOX "S 411 1984"
AB3296	39°56'31.98093"N	104°57'32.14606"W	1768540.839	3151721.380	5172.13	5229.42	0°20'28"	3/4" ADAMS CO BRASS CAP "EASTLAKE 1995" IN CONCRETE
AB3301	39°53'06.13660"N	104°55'36.31405"W	1747766.629	3160875.038	5042.73	5098.85	0°21'42"	3/4" ADAMS CO BRASS CAP "RIVERDALE 1995" IN CONCRETE

GENERAL NOTES

- This controlsurvey is for the use of the Colorado Department of Transportation personnel. The survey is not a Land Survey Plat, Boundary Survey or Right of Way Plat and does not address matters of title.
- NOTICE: According to Colorado law you must commence any legalaction 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 herein.
- BASIS OF BEARINGS:
All bearings are grid bearings of the Colorado coordinate system of 1983 (Central Zone). The line between NGS point Riverdale, a 3.5" Adams County brass survey disk stamped "RIVERDALE 1995 CO-001", set in the top of a 24" round concrete pad and CDDT control monument CP 400, a 3.25"aluminum cap stamped "COLO DEPT OF TRANSPORTATION CONTROL MONUMENT CP 400" shown herein, bears N48°04'31"W, a distance of 23,001.63'.
- BASIS OF ELEVATION:
Elevations are based on CDDT Project IM 0253-173 (Project Code 13622) ControlPoint 8204 (elevation 5372.48'), a 3.25" CDDT aluminum cap flush with ground stamped 'CP 204 1.121004', See "Notes" for CDDT project IM 0253-173.
- Elevations on project controlpoints were established by electronic differentialleveling to an accuracy of +/- 0.035 ft. times the square root of the distance traversed in miles.
- Primary HorizontalControlTolerance meets C.D.D.T. Class A (+/- 0.07' with 95% certainty).
- Secondary HorizontalControlTolerance meets C.D.D.T. Class B (+/- 0.13' with 95% certainty).
- To convert Colorado State Plane Coordinates to Project Specific Coordinates:
(Colorado SP Northing in feet x 1.0002075288) - 1,000,000 = PS Northing in feet.
(Colorado SP Easting in feet x 1.0002075288) - 3,000,000 = PS Easting in feet.
The Project Combined Factor of 1.0002075288 was obtained by averaging the Combined Factor for each set of coordinates.
Published units are in US Survey Feet: 1 survey foot = (1200/3937) meters.
- Reference CDDT field book # 1104 (property pin, horizontal control, verticle control & topographic).

SET PRIMARY CONTROL MONUMENTATION - GEODETIC - COLORADO COORDINATE SYSTEM OF 1983 CENTRAL ZONE - (FEET)

POINT NO.	WGS-84		STATE PLANE		ELLIPSOID HEIGHT	ELEVATION	CONVERGENCE ANGLE	MONUMENT DESCRIPTION
	LATITUDE	LONGITUDE	NORTHING	EASTING				
CP 400	39°55'38.98784"N	104°59'14.68487"W	1763132.042	3143764.817	5192.36	5249.22	0°19'24"	CDDT Type 2 w/3.25" Alum.Cap "CP 400 CONTROL MONUMENT"
CP 401	39°55'41.57158"N	104°59'14.70933"W	1763393.484	3143761.436	5189.39	5246.26	0°19'24"	CDDT Type 2 w/3.25" Alum.Cap "CP 401 CONTROL MONUMENT"
CP 402	39°55'45.06202"N	104°59'14.71367"W	1763746.686	3143759.105	5184.42	5241.29	0°19'24"	CDDT Type 2 w/3.25" Alum.Cap "CP 402 CONTROL MONUMENT"
CP 403	39°55'45.39536"N	104°59'17.05066"W	1763779.391	3143576.851	5185.43	5242.28	0°19'22"	CDDT Type 2 w/3.25" Alum.Cap "CP 403 CONTROL MONUMENT"
CP 404	39°55'40.57923"N	104°59'17.00002"W	1763292.060	3143563.543	5190.06	5246.92	0°19'22"	CDDT Type 2 w/3.25" Alum.Cap "CP 404 CONTROL MONUMENT"

CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS) - COLORADO COORDINATE SYSTEM OF 1983 CENTRAL ZONE - (FEET)

PID	WGS-84		STATE PLANE		ELLIPSOID HEIGHT	NAME - DESIGNATION
	LATITUDE	LONGITUDE	NORTHING	EASTING		
AF9516	40°07'51.34512"N	105°13'57.71720"W	1836949.48	3074751.75	5491.65	TABLE MOUNTAIN - TMGD
AF9517	40°10'53.71231"N	104°43'33.33347"W	1856217.384	3216313.403	4933.48	PLATTEVILLE - PLTC
AF2151	39°59'29.12991"N	105°15'39.67589"W	1786103.704	3066965.148	5436.99	BOULDER - DSRC
DG7429	39°56'58.15000"N	105°11'39.31685"W	1770881.432	3085725.359	5674.89	MARSHALL FIELD - P041

SET PRIMARY CONTROL MONUMENTATION - GPS FAST STATIC - PROJECT SPECIFIC COORDINATES - (FEET)

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP 400	763497.922	144417.277	5249.22	CDDT Type 2 with 3.25" aluminum cap "CP 400 CONTROL MONUMENT"
CP 401	763759.418	144413.896	5246.26	CDDT Type 2 with 3.25" aluminum cap "CP 401 CONTROL MONUMENT"
CP 402	764112.693	144411.564	5241.29	CDDT Type 2 with 3.25" aluminum cap "CP 402 CONTROL MONUMENT"
CP 403	764145.405	144229.272	5242.28	CDDT Type 2 with 3.25" aluminum cap "CP 403 CONTROL MONUMENT"
CP 404	763657.973	144235.965	5246.92	CDDT Type 2 with 3.25" aluminum cap "CP 404 CONTROL MONUMENT"

SET SECONDARY CONTROL MONUMENTATION - GPS DOUBLE BASED - PROJECT SPECIFIC COORDINATES - (FEET)

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP 405	762747.763	144435.088	5260.54	CDDT Type 2 with 3.25" aluminum cap "CP 405 CONTROL MONUMENT"
CP 406	764991.700	144232.663	5220.92	CDDT Type 2 with 3.25" aluminum cap "CP 406 CONTROL MONUMENT"

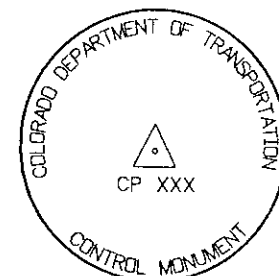
FOUND ALIQUOT MONUMENTATION - GPS DOUBLE BASED - PROJECT SPECIFIC COORDINATES - (FEET)

POINT	NORTHING	EASTING	GPS ELEV.	DESCRIPTION
1005	763901.060	144399.307	5267.11	REF S 1/4 Cor Sec 27 : Chisled "+"
1007	762561.219	144439.054	5266.28	CN 1/6 Cor Sec 34 : 3.25" aluminum cap "CN 1/6 SEC 34 T1S R68W 10717"
1009	763869.805	144428.925	5266.95	REF S 1/4 Cor Sec 27 : 2.5" brass cap "UD & FOD BOC 8 RP 15.55 LS 27609"
1010	763900.677	144429.134	5266.94	REF S 1/4 Cor Sec 27 : 3.0" brass cap "THORNTON 128-25 RP 15.71 1978 LS 27609"
2000	763887.012	141784.680	5229.78	NW Cor Sec 34, SW Cor Sec 27 : 3.25" aluminum cap "R68W + 1995"

Note: Computer Point #2001 is a calculated point.

FOUND PROPERTY MONUMENTATION - GPS DOUBLE BASED - PROJECT SPECIFIC COORDINATES - (FEET)

POINT	NORTHING	EASTING	GPS ELEV.	DESCRIPTION
1203	763954.894	145247.697	5257.37	2" aluminum cap "35801"
1205	763985.063	144225.014	5245.29	1.25" yellow plastic cap "LS 697"
1206	763985.452	144225.953	5245.49	1.25" yellow plastic cap "LS 7361"
1207	763785.174	144227.484	5246.65	1.25" red plastic cap "BELL SURVEY LS 16826"
1208	762560.562	144439.903	5266.21	1.25" yellow plastic cap "FRAZIER & GINGERY LS 4045"
1214	763785.250	144426.980	5248.84	1.25" yellow plastic cap "MILLER ENG SVR LS 10717"
1215	763985.164	144424.897	5244.81	1.25" yellow plastic cap "QUEST 12488"



3.25" CDDT ALUMINUM CAP (TYP.)
PRIMARY & SECONDARY CONTROL POINTS (SET)