



Sheet Revisions

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Land Survey ControlDiagram

Title Sheet

Project Number: FSA 002A-005			
Project Location: S.H. 2 (Colorado BLVD) @ 12th Ave.			
Sections 6 & 1, T4S, R68W 6th P.M.			
Project Code:	Last Mod. Date	Subset	Sheet No.
18338	11-14-11	4.01 of 4.02	4.01

DEPARTMENT OF TRANSPORTATION
STATE OF COLORADO

LAND SURVEY CONTROL DIAGRAM

State Highway 2 MP 5.579 to 5.655

Section 6

Township 4 South, Range 67 West

Section 1

Township 4 South, Range 68 West

of the 6th Principal Meridian

City & County of Denver

SHEET NO.

4.01-4.01

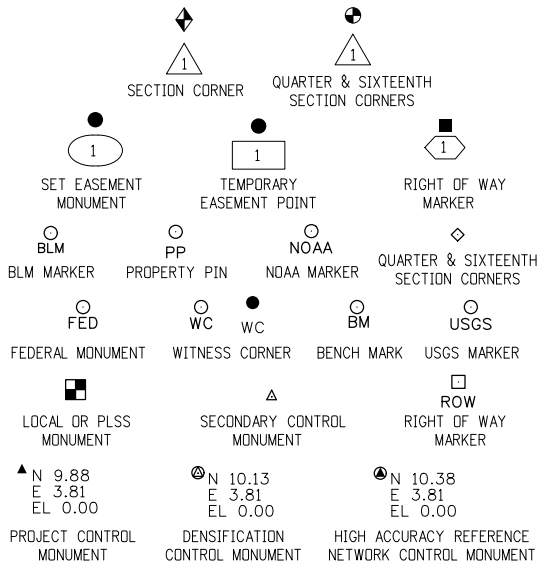
4.02-4.02

INDEX OF SHEETS

(1) Title Sheet

(1) Monument Coordinate Tables

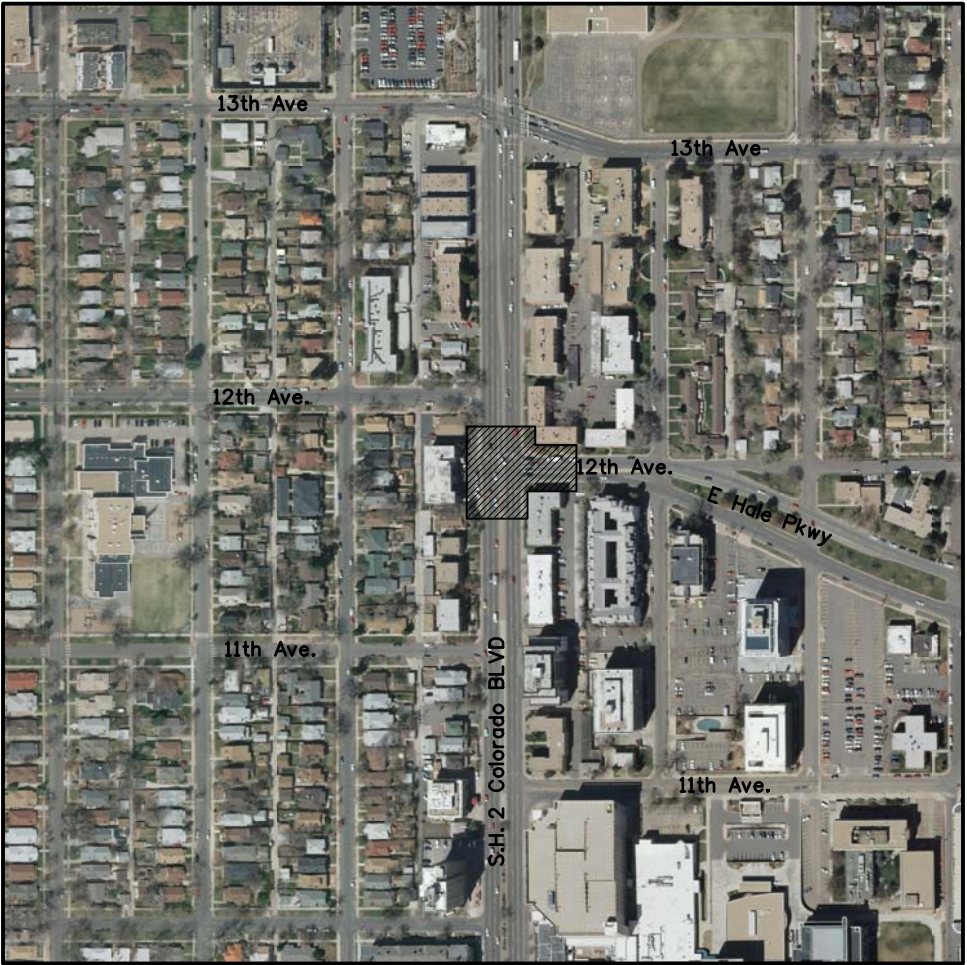
(2) Total Sheets



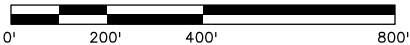
General Notes:

1. 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.
2. No guarantee as to the accuracy of the information contained on the attached drawing is either stated or implied unless this copy bears an original signature of the professional land surveyor hereon named.
3. BASIS OF BEARINGS: All bearings are grid bearings of the Colorado State Plane Coordinate System, Central Zone, NAD 1983 (2007) as determined by a fast static GPS survey. The line between points City Park and E 393 bears S.55° 32'32"E. based on the Colorado High Accuracy Network (CHARN).
4. BASIS OF ELEVATION: Elevations are based on City and County of Denver published benchmark designation BM221B. NAVD 88 vertical datum is 5300.81ft./ 1615.692m. Project elevations were established by differential leveling.
5. COORDINATE DATUM: Project coordinates are modified Colorado State Plane Central Zone NAD '83/(07) coordinates. The combined elevation/scale factor used to modify the coordinates from state plane to project coordinates is 1.0002508288. The resulting project coordinates are truncated by 200,000m in the Northing and 400,000m in the Easting after converting from state plane coordinates to project coordinates. The CHARN is based on the NAD '83(07) datum.

Project Coordinates Northing US Survey Feet = (State Plane Coordinate Northing (m) * 1.0002508288 - 1,000,000) * (3937/1200).
Project Coordinates Easting US Survey Feet = (State Plane Coordinate Easting (m) * 1.0002508288 - 3,000,000) * (3937/1200).



PROJECT LOCATION MAP



6. Elevations were run to an accuracy of +/- 0.035 ft. times the square root of the distance traversed in miles.
7. Primary Horizontal Control Tolerance meets C.D.O.T. Class A (+/- 0.07" with 95% certainty).
8. Secondary Horizontal Control Tolerance meets C.D.O.T. Class B (+/- 0.13" with 95% certainty).
9. Coordinates were established on the tabulated secondary monuments with RTK using dual bases on the primary control points and meaning the two observations at each location.
10. To convert state Plane Coordinates to Project Coordinates:
(State Plane Northing in USFT x 1.0002508288) - 1,000,000 = Project Northing
(State Plane Easting in USFT x 1.0002508288) - 3,000,000 = Project Easting
11. Survey information in orange field book indexed: 1163 (vert. & topo.)

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.

SURVEYOR STATEMENT (LAND SURVEY CONTROL DIAGRAM)

I, Kathryn Jane Lyon, a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation 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, either expressed or implied.

PLS No. 38110

LAND SURVEY CONTROL DIAGRAM

IN SECTION 6 of T.4S., R.67W., of the 6th P.M.
and SECTION 1 of T.4S., R.68W., of the 6th P.M.

DENVER COUNTY

Prepared by C.D.O.T. Region 6 R.D.W./Survey Dept.



Plan Sheet

Project Number: FSA 002A-005

Project Location: Colorado BLVD (S.H. 2) @ 12th Ave.

Section 1, T4S, R68W, & Section 6, T4S, R67W 6th P.M.

Project Code:	Last Mod. Date	Subset	Sheet No.
18338	12-07-11	4.02 of 4.02	4.02

