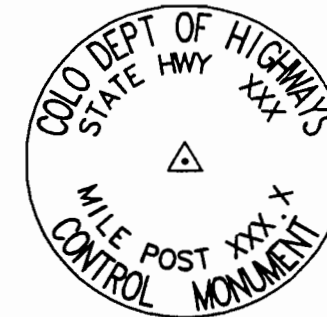


Computer File In: .md		Colorado Department of Transportation		Revisions		Revisions		CONTROL SURVEY DIAGRAM	
Creation Date: MAR/09/1998 Initials: DAS		Region I Right of Way		1/18/99 Basis of Bearings, revised direction of mon. DAS				PLAN SHEET	
Last Modification Date: JAN/19/1999 Initials: DAS		18500 E. COLFAX		1/18/99 Surveyor's Statement, changed surveyor's name DAS				STA 008A-029	
Full Path: C:\PROJECTS\SH 6\11923\		AURORA, CO 80011						Dillon - Keystone	
Drawing File Name: 11923cad		Phone: 303-757-0744 FAX: 303-757-0746						Project Code: 11923 Sheet Number: 1 of 4	
Acad Ver. 13_c4 Scale: 1cm = 50m Units: METERS		Survey Coordinator Joseph P. Conway							

SH 6 MP 210.5 to MP 213.4
Secs. 8, 16, 17, 21 & 22 T. 5 S. R. 77 W., 6th P.M.
SUMMIT COUNTY, COLORADO

PROJECT COORDINATE SUMMARY TABLE
(ADJUSTED FIELD DATA)

POINT NAME	PROJECT COORDINATES		ELEV(M)	DESCRIPTION
	NORTH (M)	EAST (M)		
CM-MP 210.9	5719.694	3132.230	2761.631	DOH Type II Control Monument
CM-MP 211.1	5444.061	3412.607	2759.442	DOH Type II Control Monument
CM-MP 211.4	5072.323	3774.530	2760.058	DOH Type II Control Monument
CM-MP 211.7	4687.232	3945.022	2759.762	DOH Type II Control Monument
CM-MP 212.0	4214.295	4200.193	2767.788	DOH Type II Control Monument
CM-MP 212.2	3970.871	4435.908	2773.740	DOH Type II Control Monument
CM-MP 212.5	3669.676	4756.980	2764.624	DOH Type II Control Monument
CM-MP 212.7	3406.290	5068.737	2759.064	DOH Type II Control Monument
CM-MP 212.9	3293.157	5363.457	2756.416	NOT FOUND 7/23/98
CM-MP 213.2	3213.464	5733.511	2762.472	NOT FOUND 7/23/98
CM-MP 213.4	3156.289	6140.595	2772.064	NOT FOUND 7/23/98



TYPICAL:
CM-MP - Control Monuments were set by CDOT. They are DOH type 2 monuments, a 3-1/4" dia. aluminum control monument cap (as shown) on a 3" X 3/4" dia. finned aluminum security rod on a 3" X 3/4" dia. smooth aluminum rod.

BASIS OF BEARINGS: Bearings used in the calculation of coordinates are based on a bearing of N 25°20'29" W as shown on CDOT SH 6 Federal Aid Project No. RS 0006 (13), sheet no. 9, from Sta. 112+30.03 consisting of a found 2 3/4" Brass Cap in a Range Box in the median of SH 6, to Sta. 101+69.03 consisting of a found 2 3/4" Brass Cap in a Range Box in the median of SH 6.

BASIS OF ELEVATIONS: Project is based on a found 2 3/4" Brass Cap at station 112+30.03 in a Range Box in the median of SH 6, with an elevation of (9068.39ft) 2764.051 meters, N.A.V.D. datum of 1929, converted to meters.

COORDINATE DATUM: Project coordinates are on an assumed datum.

NOTE: This control survey is for the use of Colorado Department of Transportation personnel. The survey is not a complete boundary survey and does not subdivide land. Title policy, title commitment, and title research were not part of this control survey, therefore, easements, rights, and restrictions of record are not shown. The verification of the physical evidence with relation to easements, rights of way, property boundaries, and restrictions, as described in the instruments of record, was not included in this control survey.

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.

SURVEYORS STATEMENT: I, Daniel A. Smith, a Professional Land Surveyor in the State of Colorado, hereby state that this Control Survey Diagram was prepared under my supervision this 22nd day of September, 1998, from a field survey performed under my supervision and checking from May 1998, to July 1998, for and on behalf of the Department of Transportation, State of Colorado, and is not a Land Survey Plat or Right-of-Way Survey Plat and to the best of my knowledge and belief this control survey diagram, as shown, meets the minimum horizontal control tolerances of a Type B Survey.

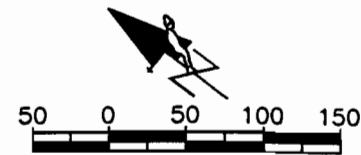
Daniel A. Smith
Colorado Registered Professional
Land Surveyor No. 29769

CONSTRUCTION SURVEYING AND MONUMENTATION REQUIREMENTS:

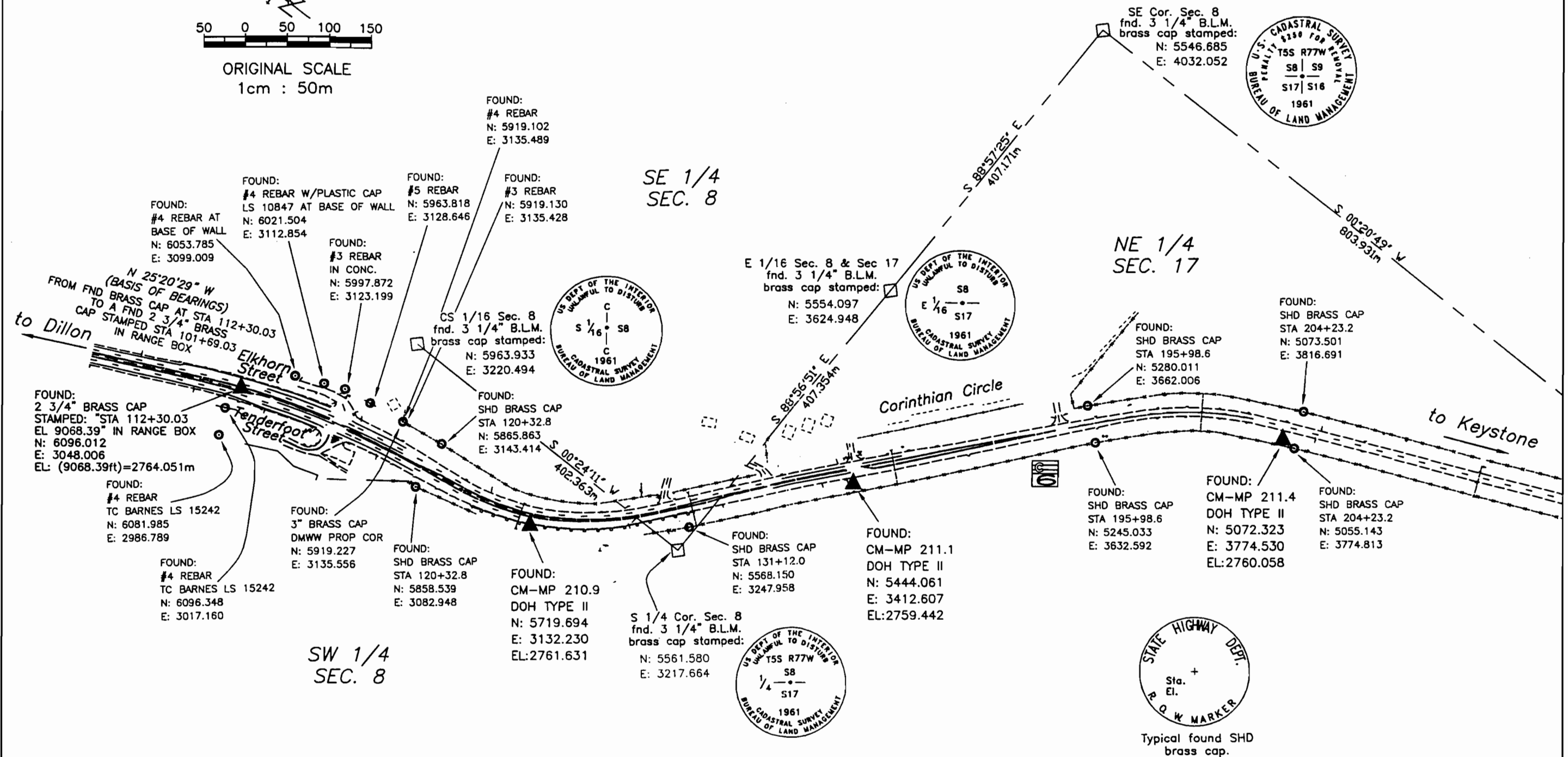
- 1). This Control Survey Diagram represents the horizontal and vertical control for the project established by the Department. It is possible that some of the survey control monuments listed have been disturbed or obliterated. It is the Contractor's responsibility to verify the existence and stability of the control monuments before submitting a bid price.
- 2). All Type 1 and Type 2 monuments shall be set flush with the ground. Witness posts shall be installed 1 foot from and facing all Type 1 and Type 2 monuments, or as directed by the Project Engineer.
- 3). Installation of Type 3 and Type 3-A monuments shall be completed in the same day that installation is commenced. Under no circumstances shall holes in the roadway be left open overnight.
- 4). When installing Type 3-A monuments, the aluminum access cover shall be positively secured to the PVC pipe with screws or glue. The access cover shall be caulked with asphalt caulking between the cover and the edges of the roadway surface to provide a positive moisture barrier around the access cover.
- 5). Control survey procedures, statistical analysis, and accuracy obtained for horizontal and vertical control shall be documented in the field book.
- 6). Legible copies of the field books shall be submitted to the Project Engineer for review on a monthly basis.
- 7). It is ultimately the prime Contractor's responsibility to insure that these requirements, as well as any contained in the CDOT specifications, project special provisions, and CDOT Survey Manual are fulfilled under this contract.
- 8). The minimum staking intervals for each item are described on the plans or in the CDOT Survey Manual. If the contractor wishes to reduce the minimum intervals, a Contract Modification Order must be negotiated and the cost of the item reduced accordingly.

Computer File Information		Colorado Department of Transportation Region I Right of Way  18500 E. COLFAX AURORA, CO 80011 Phone: 303-757-9744 FAX: 303-757-9746 Survey Coordinator Joseph P. Conway	Revisions		Revisions		CONTROL SURVEY DIAGRAM	
Creation Date: MAR/09/1998	Initials: DAS		1/15/99	Revised elev. stamped on cap at sta. 112+30.03	DAS		PLAN SHEET	
Last Modification Date: JAN/19/1999	Initials: DAS						STA 008A-029	
Full Path: C:\PROJECTS\SH 6\11923\							Dillon - Keystone	
Drawing File Name: 11923.csd							Project Code: 11923	
Acad Ver. 13_c4	Scale: 1cm = 50m Units: METERS						Sheet Number: 2 of 4	

SH 6 MP 210.5 to MP 213.4
 Secs. 8, 16, 17, 21 & 22 T. 5 S. R. 77 W., 6th P.M.
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ORIGINAL SCALE
 1cm : 50m



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Creation Date: MAR/09/1998	Initials: DAS						STA 006A-029	
Last Modification Date: JAN/19/1999	Initials: DAS						Dillon - Keystone	
Full Path: C:\PROJECTS\SH 6\11923\							Project Code: 11923	
Drawing File Name: 11923.cad							Sheet Number: 4 of 4	
Acad Ver: 13_c4	Scale: 1cm = 50m Units: METERS							

SH 6 MP 210.5 to MP 213.4
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