



Sheet Revisions

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Project Control Diagram

Title Sheet

Project Number: IM 0703-352			
Project Location: I-70 West EJMT To Bakerville			
MP 218.1 to MP 218.5			
Project Code:	Last Mod. Date	Subset	Sheet No.
17316	mm-dd-yy	3.01 of 3.02	3.01

# DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

## PROJECT CONTROL DIAGRAM

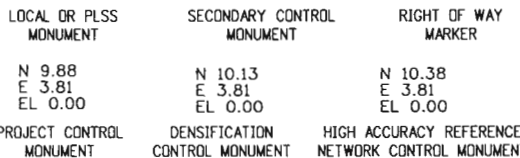
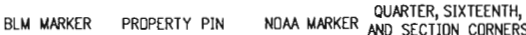
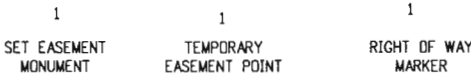
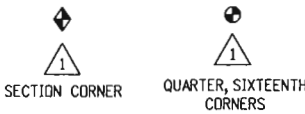
State Hwy No. 070A MP 218.1 to 218.5  
Section 14  
Township 4 South, Range 76 West  
of the 6th Principal Meridian  
County of Clear Creek

SHEET NO.

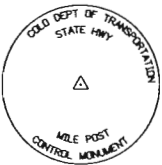
3.01-3.01  
3.02-3.02  
3.02-3.02

INDEX OF SHEETS

(1) Title Sheet  
(1) Coordinate Tables  
(X) Plan Sheet  
(2) Total Sheets



Note: For a complete listing of symbolology used within this set of plans, please refer to the M-100-1 Standard Symbols of the Colorado Department of Transportation M&S Standards Publication dated July 2006. Existing features are shown as screened weight (gray scale). Proposed or new features are shown as full weight without screening.

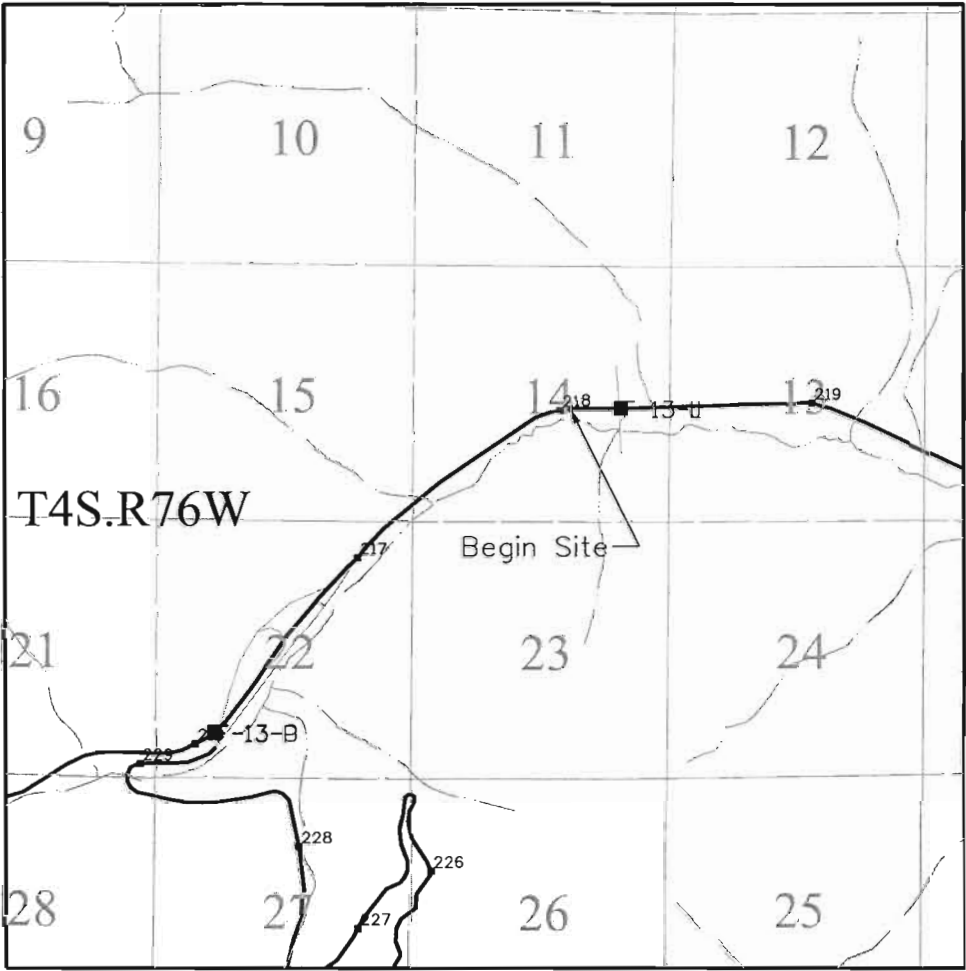


Typical Control Monument Cap  
Not to Scale

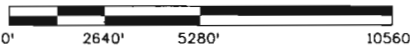
CM-MP - Control Point Monuments set by CDOT. They are CDOT Type 2 monuments, a 3/4" dia. aluminum control monument cap (as shown) on a 3' x 3/4" dia. aluminum security rod on a 3' x 3/4" dia. smooth aluminum rod.

General Notes:

- This Project Control Diagram is not a boundary survey of the adjoining property and is prepared for the Colorado Department of Transportation purposes only.
- This plan set is subject to change and may not be the most current set. It is the user's responsibility to verify with CDOT that this set is the most current. The information contained on the attached drawing is not valid unless this copy bears an original signature of the Professional Land Surveyor hereon named.
- Refer to the M-629-1 Survey Monuments of the Standard Plans dated July, 2006 found in The Colorado Department of Transportation, M & S Standards for typical survey monument descriptions.



PROJECT LOCATION MAP



Scale 1" = 5280'



Basis of Bearings: Bearings used in the calculations of coordinates are based on a grid bearing of N82°41'43"E from CM-MP 218.1 to CM-MP 218.3. Both monuments are CDOT Type II, marked appropriately for their milepost location and control position. The survey data was obtained from a Global Positioning System (GPS) survey base on the Colorado High Accuracy Reference Network (CHARN).

Basis of Elevations: Project elevations are based on data from a control survey performed by TriConsultants, Inc. in 1990. The elevations are based on the NAVD 88 datum and were adjusted between adjacent benchmarks to be used for local areas.

COORDINATE DATUM: Project coordinates are modified Colorado State Plane Central Zone NAD '83/(92) coordinates. These are also based on the same control survey performed by TriConsultants, Inc. in 1990. The CHARN is based on the NAD '83(92) datum.

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 (PROJECT CONTROL DIAGRAM)

I, David A. Stewart, a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation this Project 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. 28664

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GEODETIC COORDINATE TABLE (REPORTED BY TRICONSULTANTS, INC. IN 1990)									
Point No.	Geodetic Coordinates NAD-83(92) (CHARN)		Elip Height (NAVD88) (m)	Ortho Height (m)	Mapping Angle	Grid Scale Factor	NAD 83(92) Zone 0502		Description
	Latitude(N)	Longitude(W)					SP Northing(m)	SP Easting(m)	
HARVEY I-70 CM-MP 218.1	39°42'05.98935"	105°51'46.34857"	3146.232	3156.820	0°13'43.900"	0.999990795	512267.430	883280.504	FOUND CDOT TYPE II
I-70 CM-MP 218.3	39°42'07.16641"	105°51'34.82417"	3140.323	3150.920	0°13'36.632"	0.999990855	512302.640	883555.194	FOUND CDOT TYPE II
BRIDGE I-70 CM-MP 218.5	39°42'07.99693"	105°51'20.18889"	3129.610	3140.210	0°13'27.401"	0.999990897	512326.881	883903.949	FOUND CDOT TYPE II

PROJECT COORDINATE TABLE (REPORTED BY TRICONSULTANTS, INC. IN 1990)				
Point No.	Project Coordinates		Elev(ft) (NAVD88)	Description
	Northing(ft)	Easting(ft)		
HARVEY I-70 CM-MP 218.1	680657.69	897880.29	10351.10	FOUND CDOT TYPE II
I-70 CM-MP 218.3	680773.28	898781.97	10331.73	FOUND CDOT TYPE II
BRIDGE I-70 CM-MP 218.5	680852.83	899926.73	10296.60	FOUND CDOT TYPE II

