

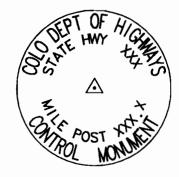


DEPARTMENT OF TRANSPORTATION - STATE OF COLORADO CONTROL SURVEY DIAGRAM

Project C 119A-042 S.H. 119 & S.H. 279 MP 6.10 to MP 7.10 Section 7, T. 3 S., R. 72 W. GILPIN COUNTY, COLORADO

PROJECT COORDINATE SUMMARY TABLE (ADJUSTED FIELD DATA)

POINT NAME	PROJECT COORDINATES		EL EV// N	TEOCOLOTION.		
FUNT NAME	NORTH (w)	EAST (A)	ELEV(m)	DESCRIPTION		
SH 119 CM-MP 6.9 SH 119 CM-MP 7.1 SH 119 CM-MP 7.31 SH 119 CM-MP 7.6	21396.989 21485.455 21702.436 22005.839	306202.158 306032.406 305757.471 305365.780	2440.412 2446.603 2454.114 2466.018	CDDT TYPE 2 CONTROL MONUMENT		





CM-MP - Control Monuments were set by CDDT on a previous project. They were CDDT Type 2 monuments, a 3-1/4" dia. aluminum control monument cap (as shown) on a 3' \times 3/4" dia. finned aluminum security rod on a 3' \times 3/4" dia. smooth aluminum rod.

CONSTRUCTION SURVEYING AND MONUMENTATION REQUIREMENTS

- This Control Survey Diagram represents the horizontal and vertical control for the project established by the Division. 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.
- 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 Contractors responsibility to insure that these requirements, as well as any contained in the CDDT specifications, project special provisions, and CDDT Survey Manual are fulfilled under this contract.
- 8). The minimum staking intervals for each item are described on the plans or in the CDDT 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.

BASIS OF BEARINGS: Bearings used in the calculation of coordinates are based on a grid bearing of S 51°43'09' E from S.H. 119 CM-MP 7.31 to S.H. 119 CM-MP 7.1.

BASIS DF ELEVATIONS: Project is based on a U.S. Geological Survey (USGS) benchmark D 1 1940 a 3 inch brass cap set in concrete post with a project elevation of 2455.434 meters. D 1 1940 is a part of Colorado Line 72.

NOTE: Refer to NEV-629-1 SURVEY MONUMENTS of the STANDARD PLANS, COLORADO DEPARTMENT DF TRANSPORTATION, M & S STANDARDS MARCH 15, 1996 for survey monument descriptions. Refer to M-100-1 STANDARD SYMBOLS of the STANDARD PLANS, COLORADO DEPARTMENT OF TRANSPORTATION, M & S STANDARDS NOVEMBER 1992 for standard symbol definitions.

NDTE: 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.

NOTE: 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

SURVEYDRS STATEMENT: I, Joseph P. Conway, a Professional Land Surveyor in the State of Colorado, hereby state that this Control Survey Diagram was prepared under my supervision this _____day of ________ from a field survey performed under my supervision from April 14, 1992 to March 30, 1996, and checking 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, as shown, neets the minimum horizontal control tolerances of a Type B Survey. from the date of the statement shown.

Joseph P. Conway L.S. 25618

Drawing File Name: 91054CSD.DWG Acad Ver. R12 Scale: 1:1 Units: Metric			Survey Coordinator JPC	Void:	Sheet Subset: Survey	Sheet Number
Drawing File Name: 91054CSD.DWG	(R-X)		Phone: 303-757-9744 FAX: 303-757-9746	Nonsea.		11232
Full Path: C:\wrkDsk\91054\	(R=X)		Aurora, Cobrado 80011	Revised:	_	11292
Last Modification Date: 07/24/96 Initials: LCY	(R=X)		Region 1 Construction 18500 E Colfax Avenue	No Revisions:		Project C 119A-042
Creation Date: 07/24/96 Initials: ^LCY					CONTROL SURVEY DIAGRAM	-
Computer File Information		Sheet Revisions	Colorado Department of Transportation	As Constructed		



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Project C 119A-042 S.H. 119 & S.H. 279 MP 6.10 to MP 7.10 Section 7, T. 3 S., R. 72 W. GILPIN COUNTY, COLORADO

Detail A -PLS# 23516 ADG ENGR YELLOW PLASTIC CAP
YELLOW REASTIC CAP ILLEGIBLE
OPLS# 14112 1' YELLOW PLASTIC CAP 'LINN, INC' YELLOW PLASTIC CAP PLS# 8996 ALPINE SURVEYING 2' DIA ALUM CAP ADG ENGR PLS# 23516 RED PLASTIC CAR

d'I' YELLOV PLASTIC CAP 'N SCHEAR 18475' LATH LABELED '8915 VULCAN

1.5' RED PLASTIC CAP CHS PLS 7794

YELLUV PLASTIC CAP AND ENGR PLSS 23517

84 REBAR VITH YELLOV CAP "N. V. RUST LS 6630"
O CORNER OF BANZI' ON GUARD STAKE

2' DIA ALUM CAP ADG ENGR PLS# 23516

2' ALUM CAP ADG ENGR-

VELLEN PLASTIC CAP ILLIGIBLE MELLION PLASTIC CAP ADG ENGR SILLEGIBLE YELLOW PLASTIC ON LANDSCAPE WALL

3/8' SCREW WITH 1 1/2' WASHER

YELLOW PLASTIC CAP ADG

old rebar with yellow plastic cap "N.V. Rust Ls 6630" old rebar with yellow plastic cap "N.V. Rust Ls 6630" Obrass cap "State of Colorado Idada Projecti 0817 1/4 Sec." 4 REBAR VITH YELLOW PLASTIC CAP THU. RUST LS 6630"

FTUND SH 119 CP-MP 7.31 N 21702.436 E 305757.471 EL 2454.114 NO 4 REBAR WITH YELLOW PLASTIC CAP IN W RUS PLASTIC YELLOW CAP 'ADG ENGINEERING PLS 22094

119

O "STATE HIGHWAY DEP"T R.D.V. HARKER NO VPMS 4298-1 STA 852+38

See Detail A

CM-MP - Control Monuments were set by CDDT on a previous project. They were (DDT Type 2 monuments, a $3-1/4^{\prime}$ dia. aluminum control monument cap (as shown) on a 3^{\prime} X $3/4^{\prime}$ dia. Finned aluminum security rod on a 3^{\prime} x $3/4^{\prime}$ dia. smooth aluminum rod.

11292

ORIGINAL SCALE

1:2000

s% S 7

ALUMINUM CAP DN 2 IN. ALUMINUM POST MARKED AS SHOVN

Computer File Information Creation Date: 06/13/94 Initials: - SC ESS Lost Modification Date: 04/15/96 Initials: C:\WRKDSK\91054\

Sheet Revisions (R-X) (R-X) (R-X)91054CSD.DWG 1:1 Units: Metric (R-X)

Colorado Department of Transportation Region 1 Construction 18500 E Colfax Avenue Aurora, Colorado 80011 Phone: 303-757-9744 FAX: 303-757-9746

JPC Survey Coordinator

As Constructed CONTROL SURVEY DIAGRAM Project C 119A-042 No Revisions: Revised: Void: Sheet Number

Survey

Sheet Subset:

Full Path:

Drawing File Name:

Acad Ver. R12 Scale: