

DEPARTMENT OF TRANSPORTATION - STATE OF COLORADO
CONTROL SURVEY DIAGRAM

Project FR (CX) 000-2(000)
S.H. 9 MP 106.7 to MP 109.0
Sections 9, 10, 15 and 22,
T. 4 S., R. 78 W.
SUMMIT COUNTY, COLORADO

COORDINATE SUMMARY TABLE
(ADJUSTED FIELD DATA)

POINT NAME	GEODETIC COORDINATES NAD-83(N)		ELEVATION (NAD 83)	MAPPING ANGLE	SCALE	NAD 83(N) ZONE		DESCRIPTION
	LATITUDE(N)	LONGITUDE(W)				NORTHING (m)	EASTING (m)	
SH 9 CM-MP 106.7	39°41'48.7800"	106°10'31.1600"	8681.560	-87°51'57.144"	0.000000000	811894.500	868278.417	CDOT Type 3 Control Monument
SH 9 CM-MP 107.0	39°41'48.7824"	106°10'31.1600"	8681.560	-87°51'57.144"	0.000000000	811894.500	868278.417	CDOT Type 3 Control Monument
SH 9 CM-MP 107.2	39°41'48.7824"	106°10'31.1600"	8681.560	-87°51'57.144"	0.000000000	811894.500	868278.417	CDOT Type 3 Control Monument
SH 9 107.4	39°41'48.7824"	106°10'31.1600"	8681.560	-87°51'57.144"	0.000000000	811894.500	868278.417	Cap on Rebar "Jim Ward" ILS 11418"
SH 9 CM-MP 107.6	39°41'48.7824"	106°10'31.1600"	8681.560	-87°51'57.144"	0.000000000	811894.500	868278.417	CDOT Type 3 Control Monument
SH 9 CM-MP 107.7	39°41'48.7824"	106°10'31.1600"	8681.560	-87°51'57.144"	0.000000000	811894.500	868278.417	CDOT Type 3 Control Monument
SH 9 CM-MP 108.0	39°41'48.7824"	106°10'31.1600"	8681.560	-87°51'57.144"	0.000000000	811894.500	868278.417	CDOT Type 3 Control Monument
SH 9 CM-MP 108.3	39°41'48.7824"	106°10'31.1600"	8681.560	-87°51'57.144"	0.000000000	811894.500	868278.417	CDOT Type 3 Control Monument
SH 9 CM-MP 108.6	39°41'48.7824"	106°10'31.1600"	8681.560	-87°51'57.144"	0.000000000	811894.500	868278.417	CDOT Type 3 Control Monument
SH 9 CM-MP 108.9	39°41'48.7824"	106°10'31.1600"	8681.560	-87°51'57.144"	0.000000000	811894.500	868278.417	CDOT Type 3 Control Monument
SH 9 CM-MP 109.0	39°41'48.7824"	106°10'31.1600"	8681.560	-87°51'57.144"	0.000000000	811894.500	868278.417	CDOT Type 3 Control Monument
SH 9 CM-MP 109.1	39°41'48.7824"	106°10'31.1600"	8681.560	-87°51'57.144"	0.000000000	811894.500	868278.417	CDOT Type 3 Control Monument
SH 9 CM-MP 109.2	39°41'48.7824"	106°10'31.1600"	8681.560	-87°51'57.144"	0.000000000	811894.500	868278.417	CDOT Type 3 Control Monument
SH 9 ROW 109.1 R	39°41'48.7824"	106°10'31.1600"	8681.560	-87°51'57.144"	0.000000000	811894.500	868278.417	State Highway Department ROW Marker
SH 9 CM-MP 109.3	39°41'48.7824"	106°10'31.1600"	8681.560	-87°51'57.144"	0.000000000	811894.500	868278.417	CDOT Type 3 Control Monument
H 200 1061	39°41'48.7824"	106°10'31.1600"	8681.560	-87°51'57.144"	0.000000000	811894.500	868278.417	USCGS Brass Cap "H 200 1061"

PROJECT COORDINATE SUMMARY TABLE
(ADJUSTED FIELD DATA)

POINT NAME	PROJECT COORDINATES		ELEV(Ft)	DESCRIPTION
	NORTH (Ft)	EAST (Ft)		
SH 9 CM-MP 106.7	129075.50	129082.50	8189.00	CDOT Type 3 Control Monument
SH 9 CM-MP 107.0	129086.50	129082.50	8189.00	CDOT Type 3 Control Monument
SH 9 CM-MP 107.2	129075.50	129082.50	8189.00	CDOT Type 3 Control Monument
SH 9 107.4	129086.50	129082.50	8189.00	Cap on Rebar "Jim Ward" ILS 11418"
SH 9 CM-MP 107.6	129075.50	129082.50	8189.00	CDOT Type 3 Control Monument
SH 9 CM-MP 107.7	129086.50	129082.50	8189.00	CDOT Type 3 Control Monument
SH 9 CM-MP 108.0	129075.50	129082.50	8189.00	CDOT Type 3 Control Monument
SH 9 CM-MP 108.3	129086.50	129082.50	8189.00	CDOT Type 3 Control Monument
SH 9 CM-MP 108.6	129075.50	129082.50	8189.00	CDOT Type 3 Control Monument
SH 9 CM-MP 108.9	129086.50	129082.50	8189.00	CDOT Type 3 Control Monument
SH 9 CM-MP 109.0	129075.50	129082.50	8189.00	CDOT Type 3 Control Monument
SH 9 CM-MP 109.1	129086.50	129082.50	8189.00	CDOT Type 3 Control Monument
SH 9 CM-MP 109.2	129075.50	129082.50	8189.00	CDOT Type 3 Control Monument
SH 9 ROW 109.1 R	129086.50	129082.50	8189.00	State Highway Department ROW Marker
SH 9 CM-MP 109.3	129075.50	129082.50	8189.00	CDOT Type 3 Control Monument
H 200 1061	129086.50	129082.50	8189.00	USCGS Brass Cap "H 200 1061"

POINT NAME	PROJECT COORDINATES		ELEV(Ft)	DESCRIPTION
	NORTH (Ft)	EAST (Ft)		
SH 9 CM-MP 107.01	129155.9754	129155.9478	8686.84	CDOT Type 2A Control Monument in Range Box
SH 9 CM-MP 109.01	129155.9841	129155.9458	8686.81	CDOT Type 2A Control Monument in Range Box
SH 9 CM-MP 109.21	129155.9707	129155.9458	8686.86	CDOT Type 2A Control Monument in Range Box
SH 9 CM-MP 109.41	129155.9818	129155.9458	8686.87	CDOT Type 2A Control Monument in Range Box

AS CONSTRUCTED		FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NUMBER
NO REVISIONS	REVISED	VOID	XXI	COLORADO	Project FR (CX) 000-2(000)
S.H. 9 North of Silverthorne					8
RIGHT OF WAY					REVISIONS



△ CM-MP - Control Monuments were set CDOT. They were CDOT type 3 monuments, a 3-1/4" dia. aluminum control monument cap (as shown) on a 3" X 3/4" dia. lined aluminum security rod on a 3" X 3/4" dia. smooth aluminum rod.

△ CHARN Classification Station.

BASIS OF BEARINGS: Bearings used in the calculation of coordinates are based on a grid bearing of N. 87°45'48" W. from USCGS Benchmark "H 200 1061" to S.H. 9 CM-MP 107.7 as obtained from a Global Positioning System (GPS) survey, based on the Colorado High Accuracy Reference Network (CHARN).

BASIS OF ELEVATIONS: Project is based on a U.S. Coast and Geodetic Survey (USCGS) benchmark H 200 1061 a 3 inch brass cap set in concrete post with an NAD 83 elevation of 8686.82m, and a project elevation of 8686.80 feet. H 200 1061 is part of Colorado Line 97, a second order line leveled in 1981.

COORDINATE DATUM: Project coordinates are entered. Project elevations are NGVD '28 elevations in feet. The CHARN is based on the VGS '84 (ft) datum. There is no transformation from state plane coordinates to project coordinates.

NOTE: Refer to NEW 628-1 SURVEY MONUMENTS of the STANDARD PLANS, COLORADO DEPARTMENT OF TRANSPORTATION, M & S STANDARDS MARCH 1994 for survey monument descriptions. Refer to M-100-H STANDARD SYMBOLS of the STANDARD PLANS, COLORADO DEPARTMENT OF TRANSPORTATION, M & S STANDARDS NOVEMBER 1991 for standard symbol definitions.

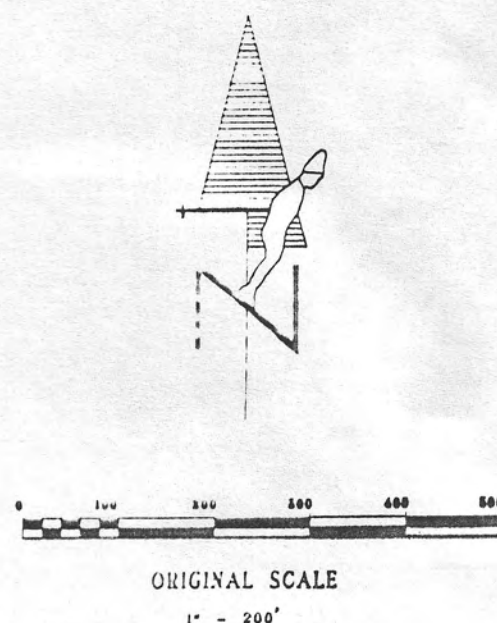
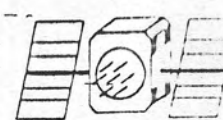
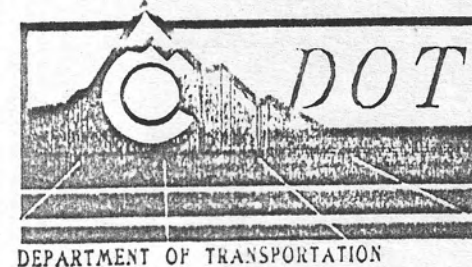
NOTE: This control survey is for the use of Colorado Department of Transportation personnel. The survey is not a complete boundary survey and does not subdivide land. Title policy, title commitment, and title research were not part of this control survey, therefore, easements, rights, and restrictions 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.

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 from the date of the statement above.

SURVEYORS STATEMENT: I, Albert V. Valtetta, Jr., a Professional Land Surveyor in the State of Colorado, hereby state that this Control Survey Diagram was prepared under my supervision this 24th day of February, 1994, from a field survey performed under my supervision from October 28, 1992 to December 14, 1992, and checking for and on behalf of the Department of Transportation, State of Colorado, and is not a Lead Survey Plat or Right-of-Way Survey Plat and to the best of my knowledge and belief this control survey, as shown, meets the minimum horizontal control tolerances of a Type B Survey.

23524
Albert V. Valtetta, Jr. L.S. 23524

FILED CLERK OF DISTRICT COURT
DEPOSITED THIS DAY OF
ONLY IN BOOK OF THE COUNTY LAND SURVEYS RIGHT OF WAY
SIGNED
DEPT.



DEPARTMENT OF TRANSPORTATION - STATE OF COLORADO
CONTROL SURVEY DIAGRAM

Project FR (CX) 008-2(008)
S.H. 9 MP 108.7 to MP 109.0
Sections 9, 10, 15 and 22,
T. 4 S., R. 78 W.
SUMMIT COUNTY, COLORADO

AS CONSTRUCTED		
NO REVISIONS	REVISED	VOID

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NUMBER
VIII	COLORADO	Project FR (CX) 008-2(008)	25A

S.H. 9 North of Silverthorne

REVISIONS	



Not to Scale

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

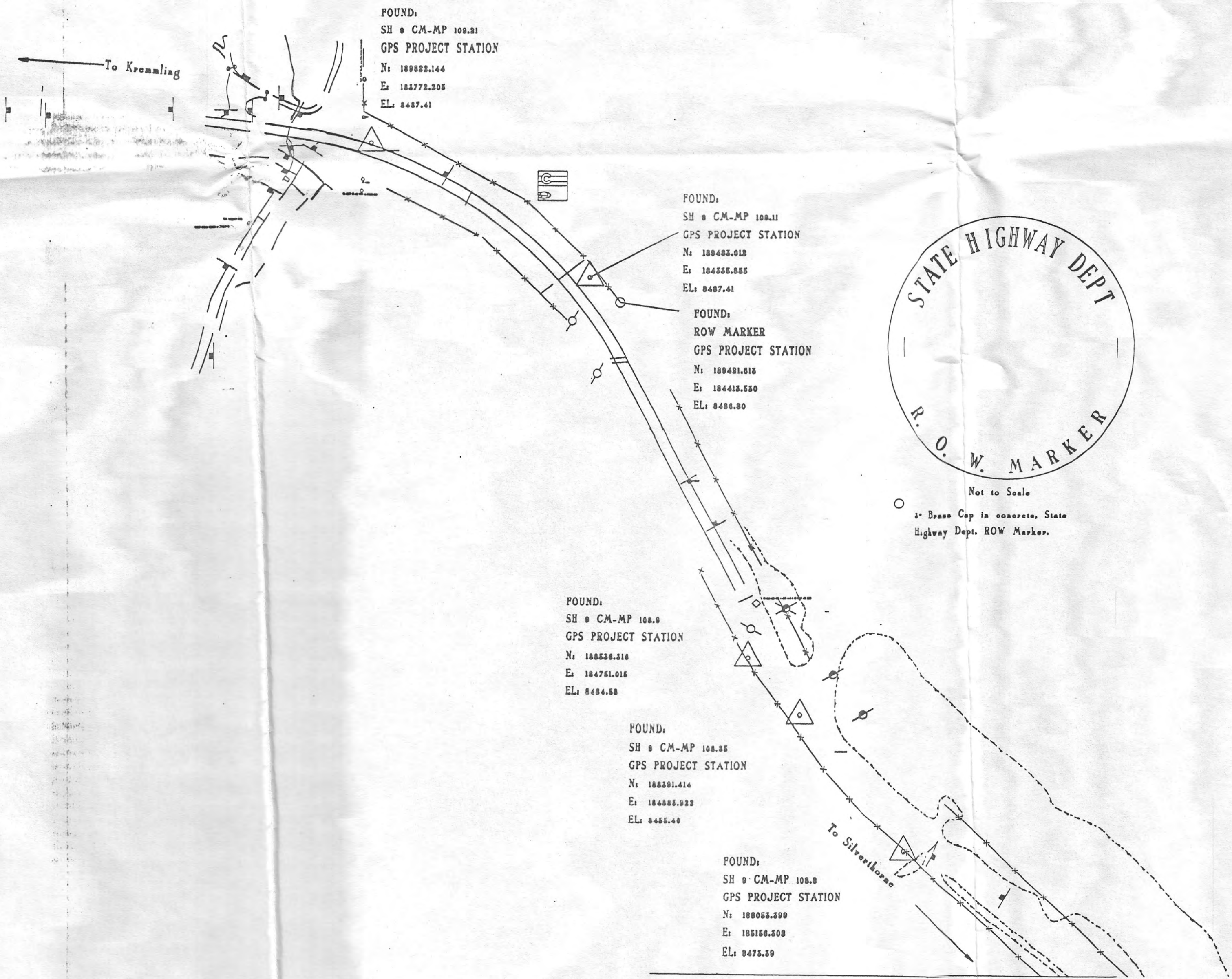
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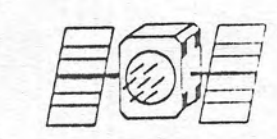
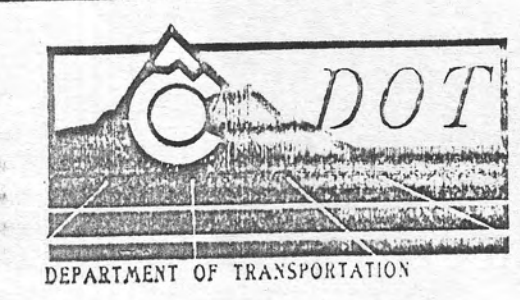
- 1) Fronts of buildings were located by survey methods. Buildings are not shown in full.
- 2) Underground utilities and overhead power lines are not shown in full.



Not to Scale

2" Brass Cap in concrete, State Highway Dept. ROW Marker.





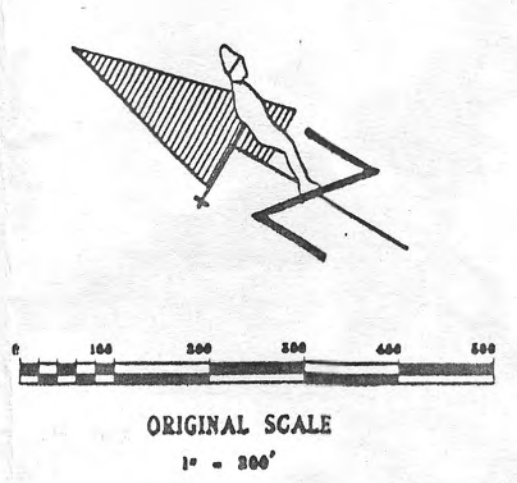
DEPARTMENT OF TRANSPORTATION - STATE OF COLORADO CONTROL SURVEY DIAGRAM

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S.H. 9 MP 106.7 to MP 109.0
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T. 4 S., R. 78 W.
SUMMIT COUNTY, COLORADO

AS CONSTRUCTED			
NO REVISIONS	REVISED	VOID	

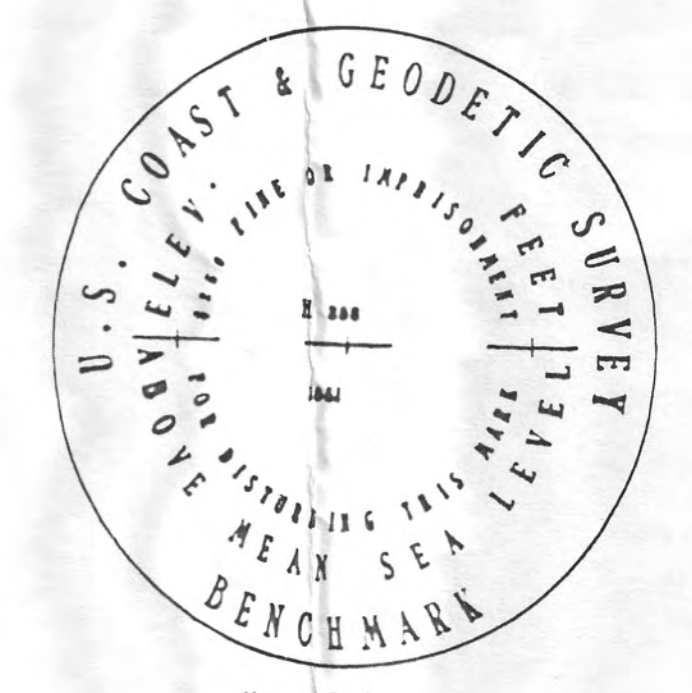
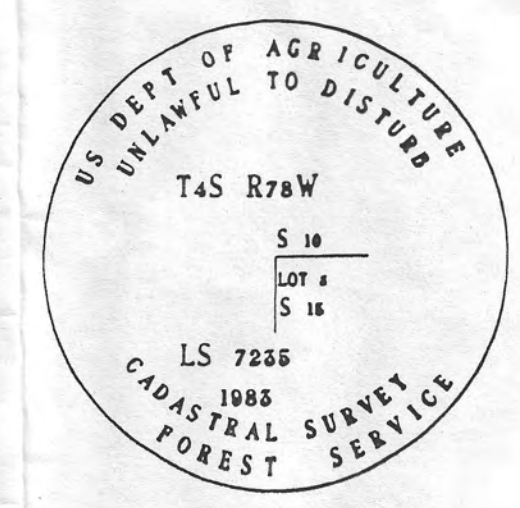
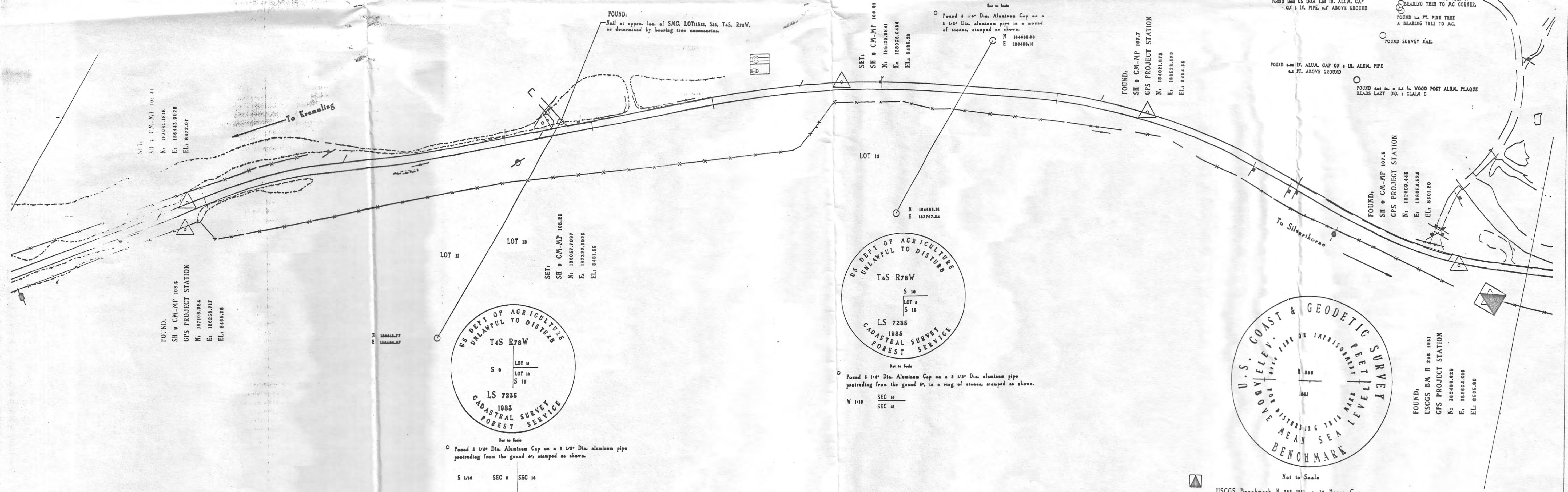
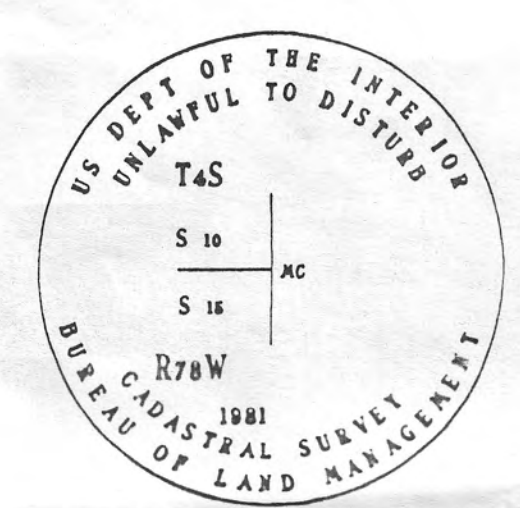
FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NUMBER
VIII	COLORADO	Project FR (CX) 000-2(000)	25

REVISIONS	

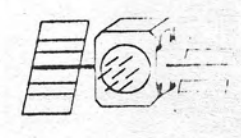
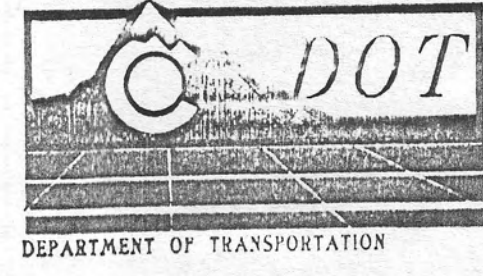


NOTES:
1) Fronts of buildings were located by survey methods. Buildings are not shown in full.
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△ CM-MP - Control Monuments were not CDOT. They were CDOT type 2 monuments, a 2-1/4" dia. aluminum control monument cap (as shown) on a 3" X 3/4" dia. flanged aluminum security rod on a 3" X 3/4" dia. smooth aluminum rod.



USCGS Benchmark M 288 1961, a 2" Brass Cap (as shown) set in the top of a round concrete monument.



DEPARTMENT OF TRANSPORTATION - STATE OF COLORADO CONTROL SURVEY DIAGRAM

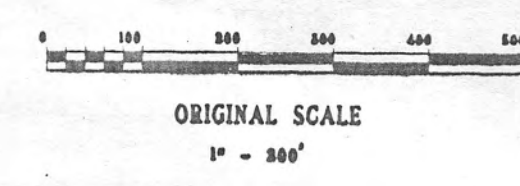
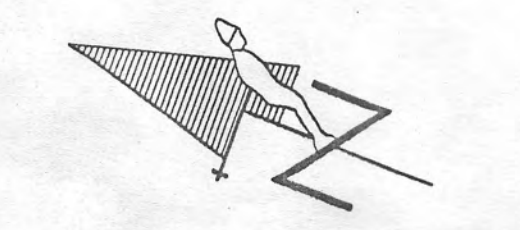
Project FR (CX) 000-2(000)
S.H. 9 MP 106.7 to MP 109.0
Sections 9, 10, 15 and 22,
T. 4 S., R. 78 W.
SUMMIT COUNTY, COLORADO

AS CONSTRUCTED			
NO REVISIONS	REVISION	VOID	

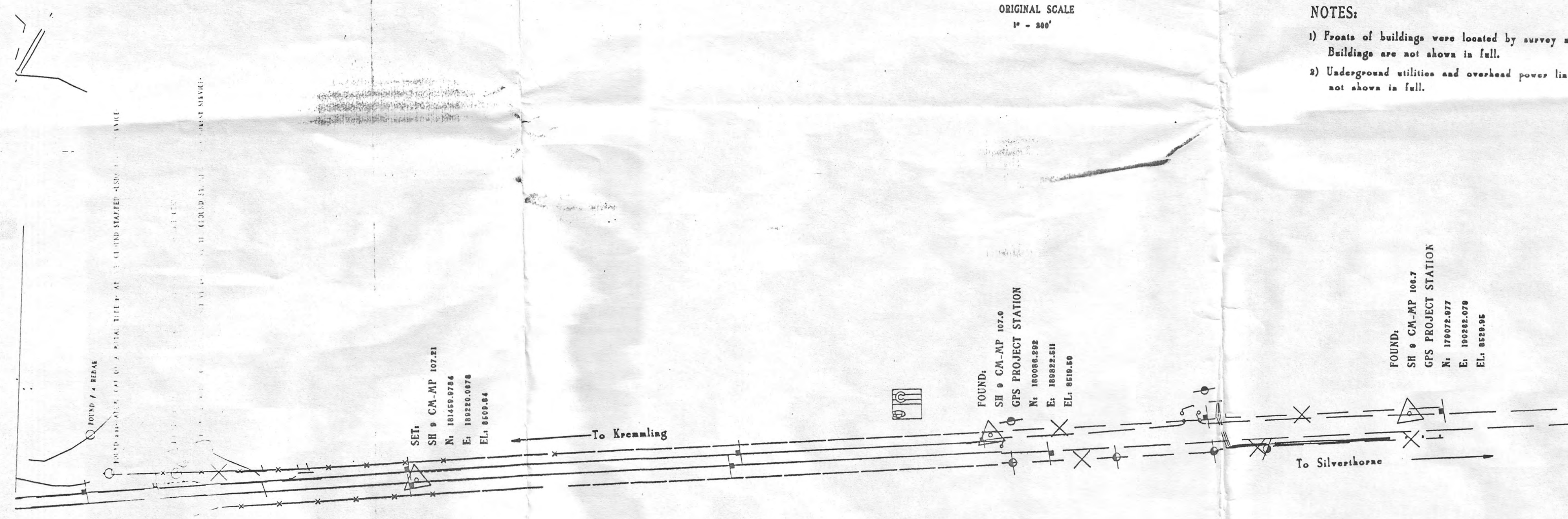
FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NUMBER
VIII	COLORADO	Project FR (CX) 000-2(000)	10

S.H. 9 North of Silverthorne
RIGHT OF WAY

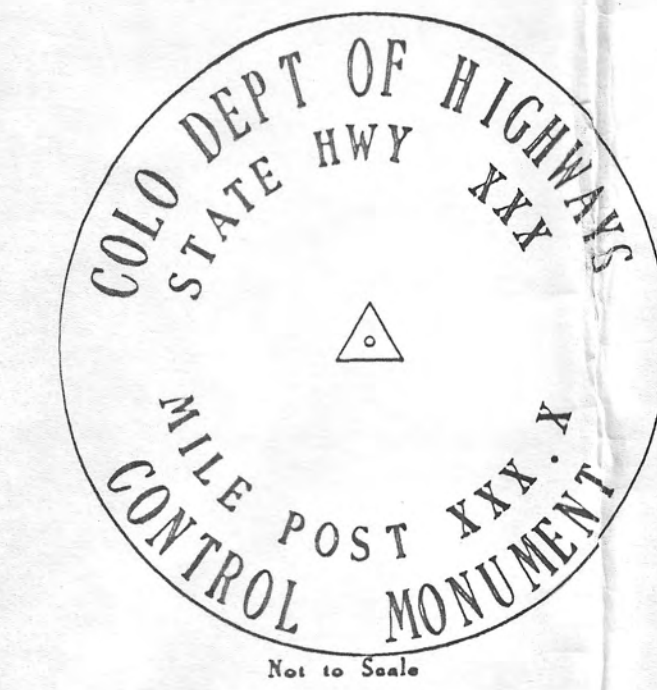
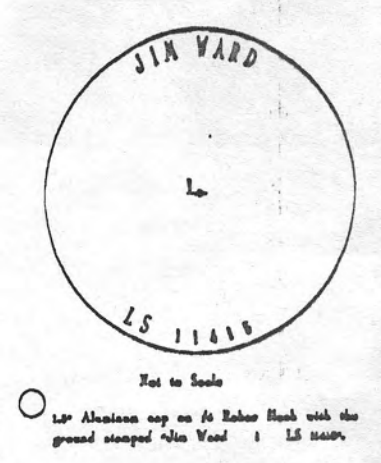
REVISIONS	



- NOTES:
- 1) Fronts of buildings were located by survey methods. Buildings are not shown in full.
 - 2) Underground utilities and overhead power lines are not shown in full.



10.50
CUT IN THE
ELEVATION
N: 10455.5784
E: 10020.0078
EL: 8509.84



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

FILED
DEPT.
SIGNED
RECEIVED
DATE
BY
AT
M. FOR INFORMATION
ONLY IN BOOK
OF THE COUNTY LAND SURVEYS/RIGHT OF WAY
SURVEYS AT PAGE
RECEIVED NUMBER