



AS CONSTRUCTED		
NO REVISIONS	REVISED	VOID

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NUMBER
VIII	COLORADO	Project NH 0403-035	2

DEPARTMENT OF TRANSPORTATION – STATE OF COLORADO
CONTROL SURVEY DIAGRAM

Project NH 0403-035
S.H. 40 MP 242.6 to MP 250.0
Grand & Clear Creek Counties

Revisions		
5/08/02	Added table for coordinates in US feet.	DAS

2 Miles West of Berthoud Pass – West

PROJECT COORDINATE SUMMARY TABLE
(ADJUSTED FIELD DATA IN U.S. FEET)

POINT NAME	PROJECT COORDINATES		ELEV(ft)	DESCRIPTION
	NORTH (ft)	EAST (ft)		
LOBATO	65667.70	1272520.52	9895.50	CDOT Type 2 Control Monument
YOST	72622.97	1282029.95	10653.90	CDOT Type 2 Control Monument
D 7	76456.72	1283006.66	11319.61	CDOT Type 2 Control Monument
US 40 CM-MP 242.6	78232.24	1283730.52	11191.19	CDOT Type 2 Control Monument
US 40 CM-MP 242.7	77635.58	1283176.84	11237.68	CDOT Type 2 Control Monument
US 40 CM-MP 242.8	78992.51	1283083.04	11274.13	CDOT Type 2 Control Monument
US 40 CM-MP 243.1	75582.74	1282680.31	11271.89	CDOT Type 2 Control Monument
US 40 CM-MP 243.2	75312.51	1282123.35	11239.10	CDOT Type 2 Control Monument
US 40 CM-MP 243.4	75532.59	1281458.10	11210.88	CDOT Type 2 Control Monument
US 40 CM-MP 243.5	75445.70	1280858.96	11175.11	CDOT Type 2 Control Monument
US 40 CM-MP 243.6	74961.24	1280864.88	11144.77	CDOT Type 2 Control Monument
US 40 CM-MP 243.7	74531.95	1281161.39	11129.28	CDOT Type 2 Control Monument
US 40 CM-MP 243.9	73856.67	1281172.07	11101.79	CDOT Type 2 Control Monument
US 40 CM-MP 244.0	73197.33	1280945.71	11083.84	CDOT Type 2 Control Monument
US 40 CM-MP 244.3*	72183.85	1279892.54	11019.56	CDOT Type 2 Control Monument
US 40 CM-MP 244.4*	72063.70	1279303.15	10992.43	CDOT Type 2 Control Monument
US 40 CM-MP 244.5*	72181.91	1278946.00	10974.87	CDOT Type 2 Control Monument
US 40 CM-MP 244.8*	71841.85	1279190.03	10893.06	CDOT Type 2 Control Monument
US 40 CM-MP 245.0*	71766.20	1280020.49	10853.44	CDOT Type 2 Control Monument
US 40 CM-MP 245.1*	72079.24	1280620.79	10818.26	CDOT Type 2 Control Monument
US 40 CM-MP 245.2*	72343.70	1281253.31	10784.10	CDOT Type 2 Control Monument
US 40 CM-MP 245.5*	73347.74	1281912.69	10726.73	CDOT Type 2 Control Monument
US 40 CM-MP 245.7*	73106.34	1282253.63	10690.96	CDOT Type 2 Control Monument
US 40 CM-MP 245.8*	72407.84	1282030.77	10653.07	CDOT Type 2 Control Monument
US 40 CM-MP 246.0*	71672.48	1281318.52	10629.33	CDOT Type 2 Control Monument
US 40 CM-MP 246.1*	71337.09	1280621.11	10594.73	CDOT Type 2 Control Monument
US 40 CM-MP 246.2*	71046.39	1280196.19	10568.15	CDOT Type 2 Control Monument
US 40 CM-MP 246.5*	70890.89	1280225.78	10495.94	CDOT Type 2 Control Monument
US 40 CM-MP 246.6*	70910.86	1280904.44	10457.08	CDOT Type 2 Control Monument
US 40 CM-MP 246.7*	70931.73	1281135.99	10434.70	CDOT Type 2 Control Monument
US 40 CM-MP 246.8*	70731.16	1280881.97	10406.80	CDOT Type 2 Control Monument
US 40 CM-MP 246.9*	70645.43	1280175.45	10365.28	CDOT Type 2 Control Monument
US 40 CM-MP 247.0*	70188.88	1280049.76	10339.53	CDOT Type 2 Control Monument
US 40 CM-MP 247.3*	69542.64	1279046.96	10273.70	CDOT Type 2 Control Monument
US 40 CM-MP 247.6	69100.17	1277526.30	10189.02	CDOT Type 2 Control Monument
US 40 CM-MP 247.7	68752.66	1277078.67	10160.04	CDOT Type 2 Control Monument
US 40 CM-MP 247.71	68707.16	1277006.07	10155.93	CDOT Type 2 Control Monument
US 40 CM-MP 247.9	68148.11	1276277.00	10110.98	CDOT Type 2 Control Monument
US 40 CM-MP 248.0	67826.85	1275871.90	10083.62	CDOT Type 2 Control Monument
US 40 CM-MP 248.1	67492.12	1275382.01	10052.60	CDOT Type 2 Control Monument
US 40 CM-MP 248.2	67155.99	1274655.96	10011.34	CDOT Type 2 Control Monument
US 40 CM-MP 248.3	66834.03	1273898.01	9968.59	CDOT Type 2 Control Monument
US 40 CM-MP 248.4	66596.44	1273539.22	9946.38	CDOT Type 2 Control Monument
US 40 CM-MP 248.6	66304.23	1273171.82	9922.70	CDOT Type 2 Control Monument
US 40 CM-MP 248.7	65852.31	1272308.77	9899.07	CDOT Type 2 Control Monument
US 40 CM-MP 248.8	65771.31	1272775.90	9874.49	CDOT Type 2 Control Monument
US 40 CM-MP 249.0	66211.10	1273594.68	9829.34	CDOT Type 2 Control Monument
US 40 CM-MP 249.1	66270.30	1274278.68	9803.74	CDOT Type 2 Control Monument
US 40 CM-MP 249.2*	66252.51	1274701.32	9790.10	CDOT Type 2 Control Monument
US 40 CM-MP 249.3	66537.57	1275432.35	9749.22	CDOT Type 2 Control Monument
US 40 CM-MP 249.5	67081.95	1276354.20	9717.04	CDOT Type 2 Control Monument
US 40 CM-MP 249.7	67499.05	1277279.00	9690.03	CDOT Type 2 Control Monument
US 40 CM-MP 249.8	67731.04	1277733.36	9693.17	CDOT Type 2 Control Monument

NOTE: * – Denotes Control Monument destroyed from previous construction.



DEPARTMENT OF TRANSPORTATION - STATE OF COLORADO CONTROL SURVEY DIAGRAM

Project NH 0403-035
S.H. 40 MP 242.6 to MP 250.0

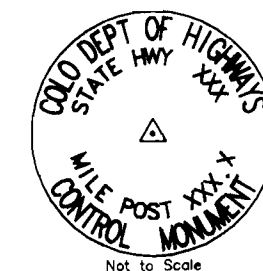
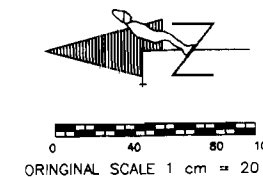
GRAND & CLEAR CREEK COUNTIES, COLORADO

AS CONSTRUCTED		
NO REVISIONS	REVISED	VOID

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NUMBER
XIII	COLORADO	Project NH 0403-035	7

Revisions		
2/16/99	Revised CDOT CM to CDOH CM	DAS
2/16/99	Removed BMs from plan sheets	DAS

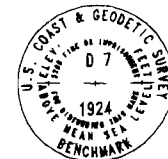
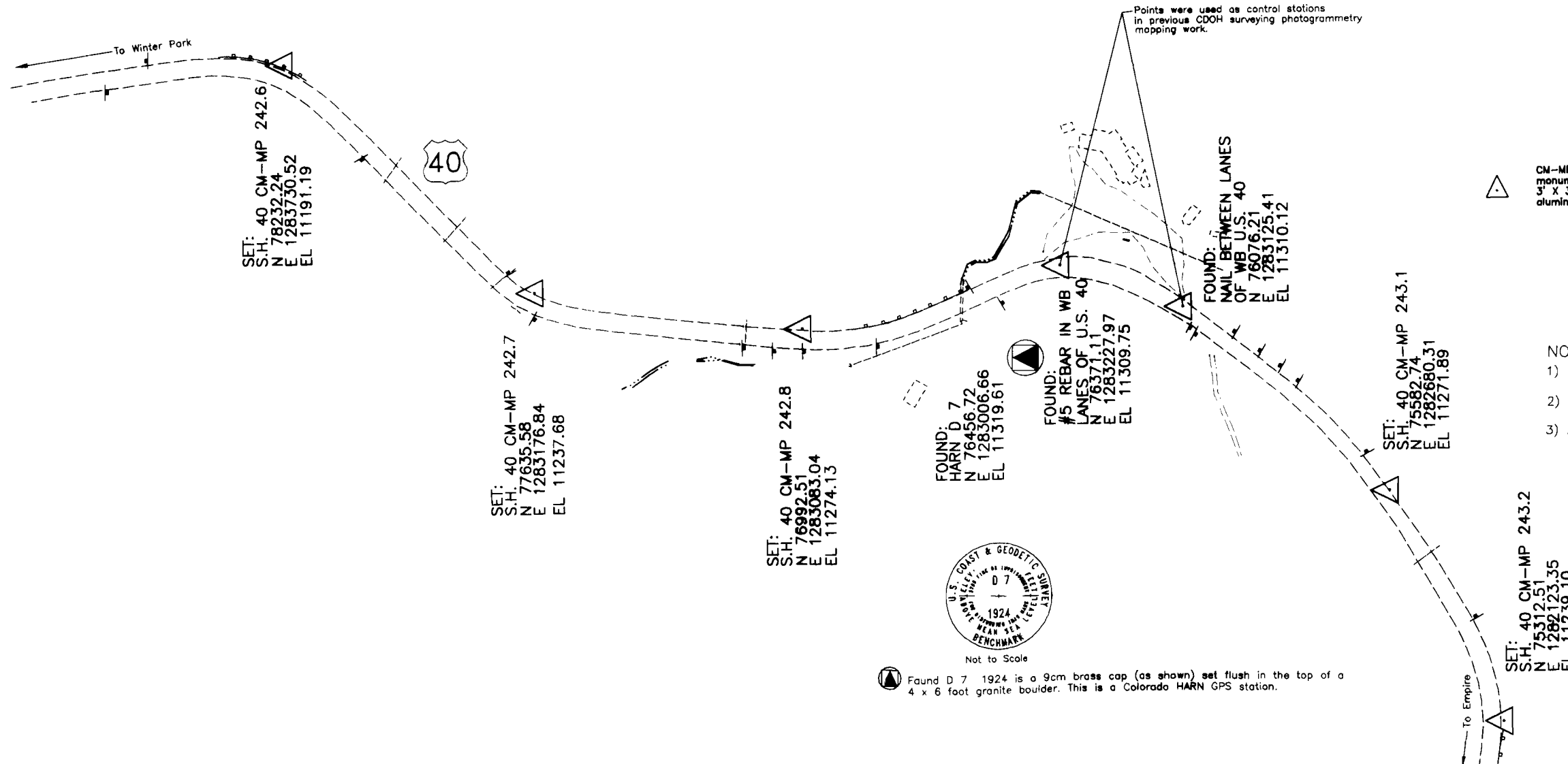
2 Miles West of Berthoud Pass - West



CM-MP - Control Monuments were set CDOH. They were CDOH type 2 monuments, a 3-1/4" 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.

A Colorado HARN GPS Station

- 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.
 - 3) All coordinates on this sheet are in U.S. Feet.



Found D 7 1924 is a 9cm brass cap (as shown) set flush in the top of a 4 x 6 foot granite boulder. This is a Colorado HARN GPS station.



DEPARTMENT OF TRANSPORTATION - STATE OF COLORADO CONTROL SURVEY DIAGRAM

Project NH 0403-035
S.H. 40 MP 242.6 to MP 250.0

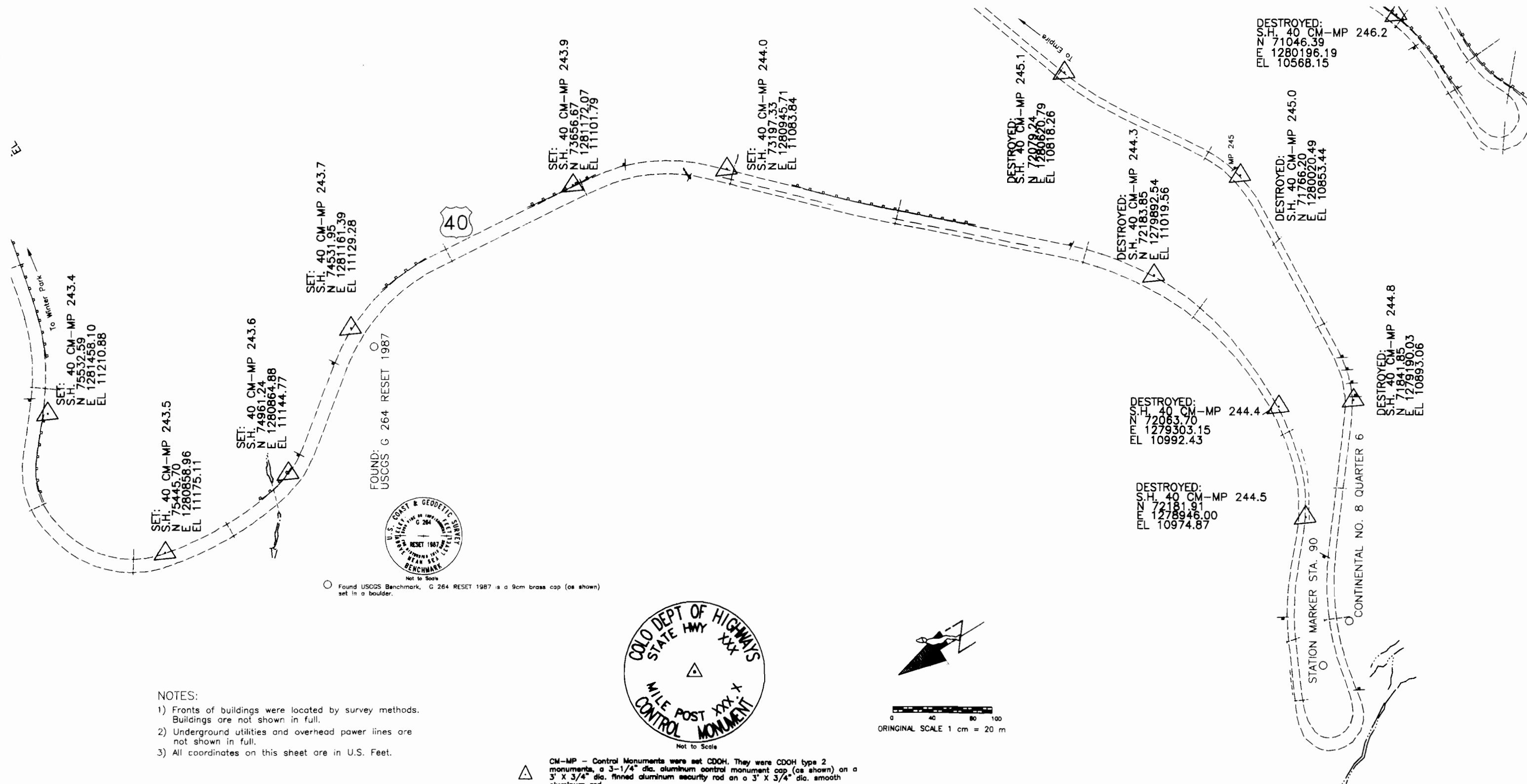
GRAND & CLEAR CREEK COUNTIES, COLORADO

AS CONSTRUCTED		
NO REVISIONS	REVISED	VOID

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NUMBER
VIII	COLORADO	Project NH 0403-035	4

Revisions		
2/16/99	Revised CDOT CM to CDOH CM	DAS
2/16/99	Removed BMs from plan sheets	DAS
2/16/99	Edited found BM notes	DAS

2 Miles West of Berthoud Pass - West





DEPARTMENT OF TRANSPORTATION - STATE OF COLORADO CONTROL SURVEY DIAGRAM

Project NH 0403-035
S.H. 40 MP 242.6 to MP 250.0

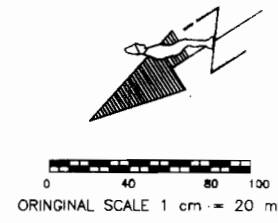
GRAND & CLEAR CREEK COUNTIES, COLORADO

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NO REVISIONS	REVISED	VOID

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SH NUM
VIII	COLORADO	Project NH 0403-035	

Revisions	
2/16/99	Revised CDOT CM to CDOH CM
2/16/99	Removed BME from plan sheets
2/16/99	Edited found BM notes

2 Miles West of Berthoud Pass - West



Found YOST 1992 is a 9cm brass caps (as shown) set in rock outcrop. This point is a Colorado HARN GPS Station.



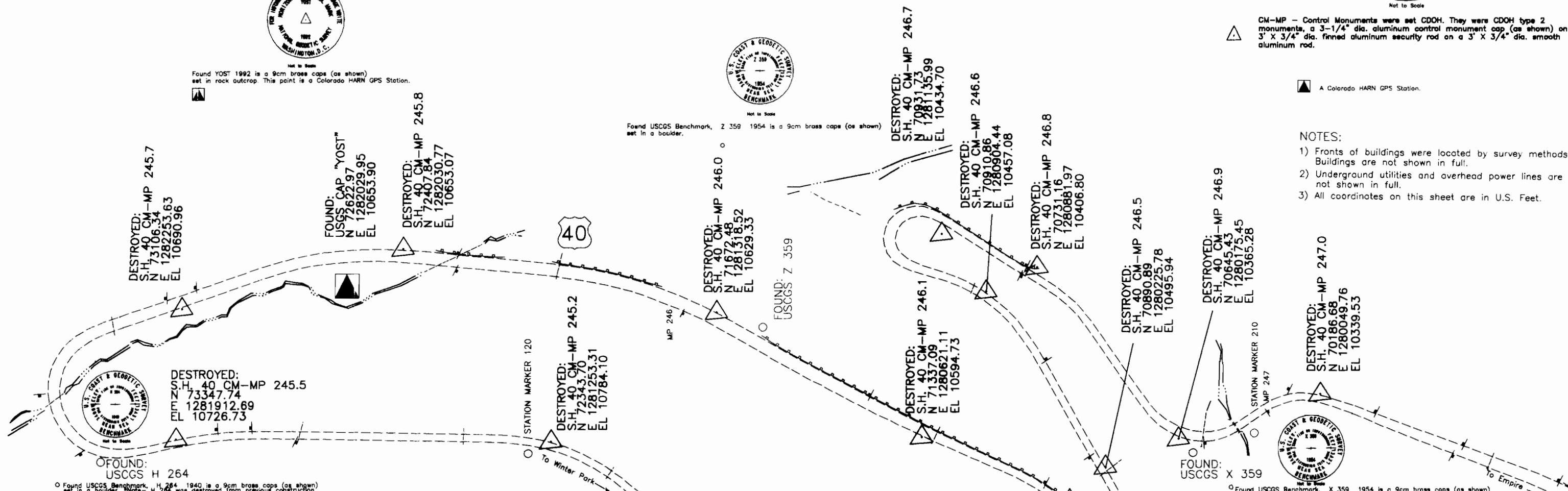
Found USCGS Benchmark, Z 359 1954 is a 9cm brass caps (as shown) set in a boulder.

CM-MP - Control Monuments were set CDOH. They were CDOH 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.

▲ A Colorado HARN GPS Station.

NOTES:

- 1) Fronts of buildings were located by survey methods. Buildings are not shown in full.
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DEPARTMENT OF TRANSPORTATION - STATE OF COLORADO CONTROL SURVEY DIAGRAM

Project NH 0403-035
S.H. 40 MP 242.6 to MP 250.0

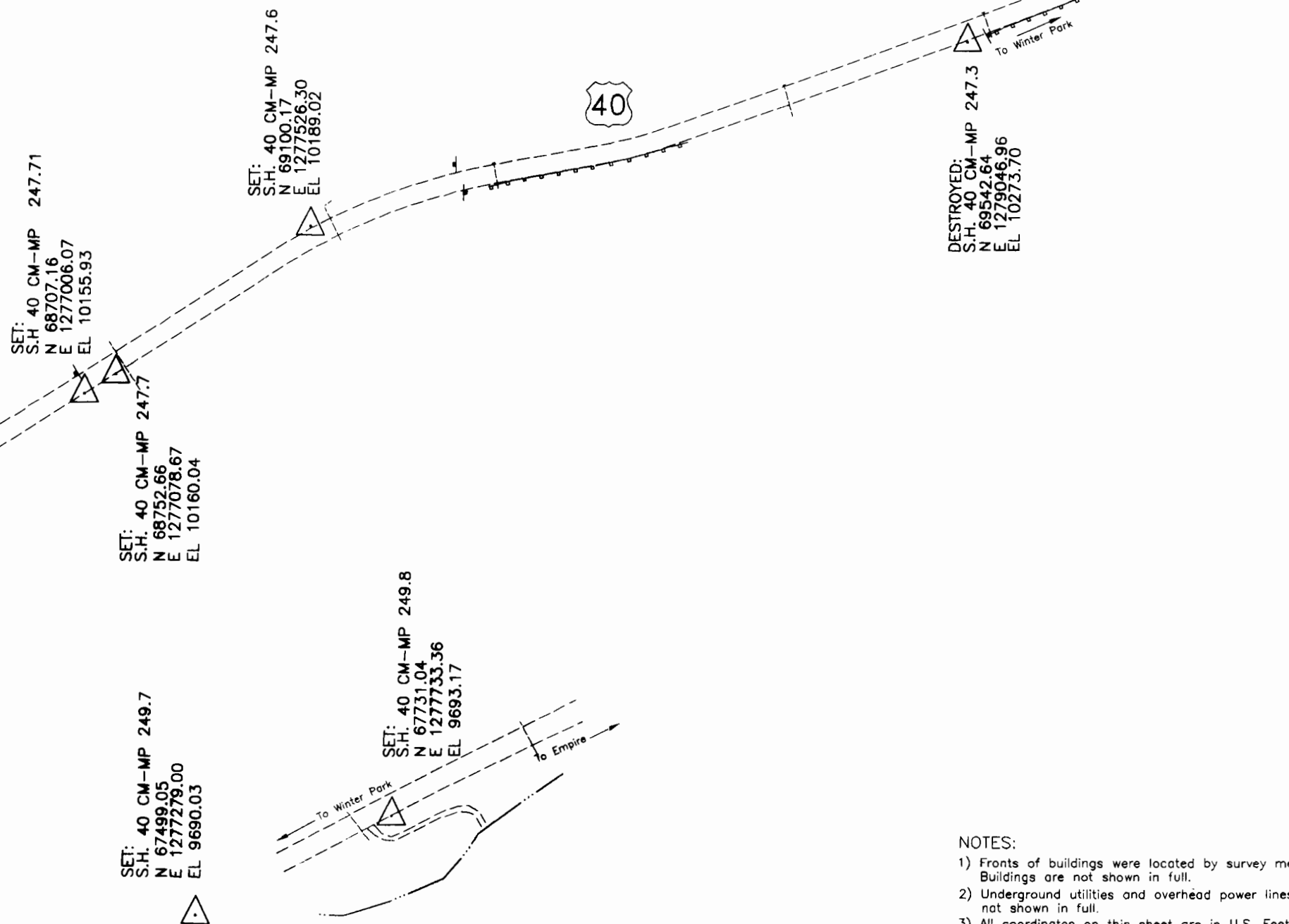
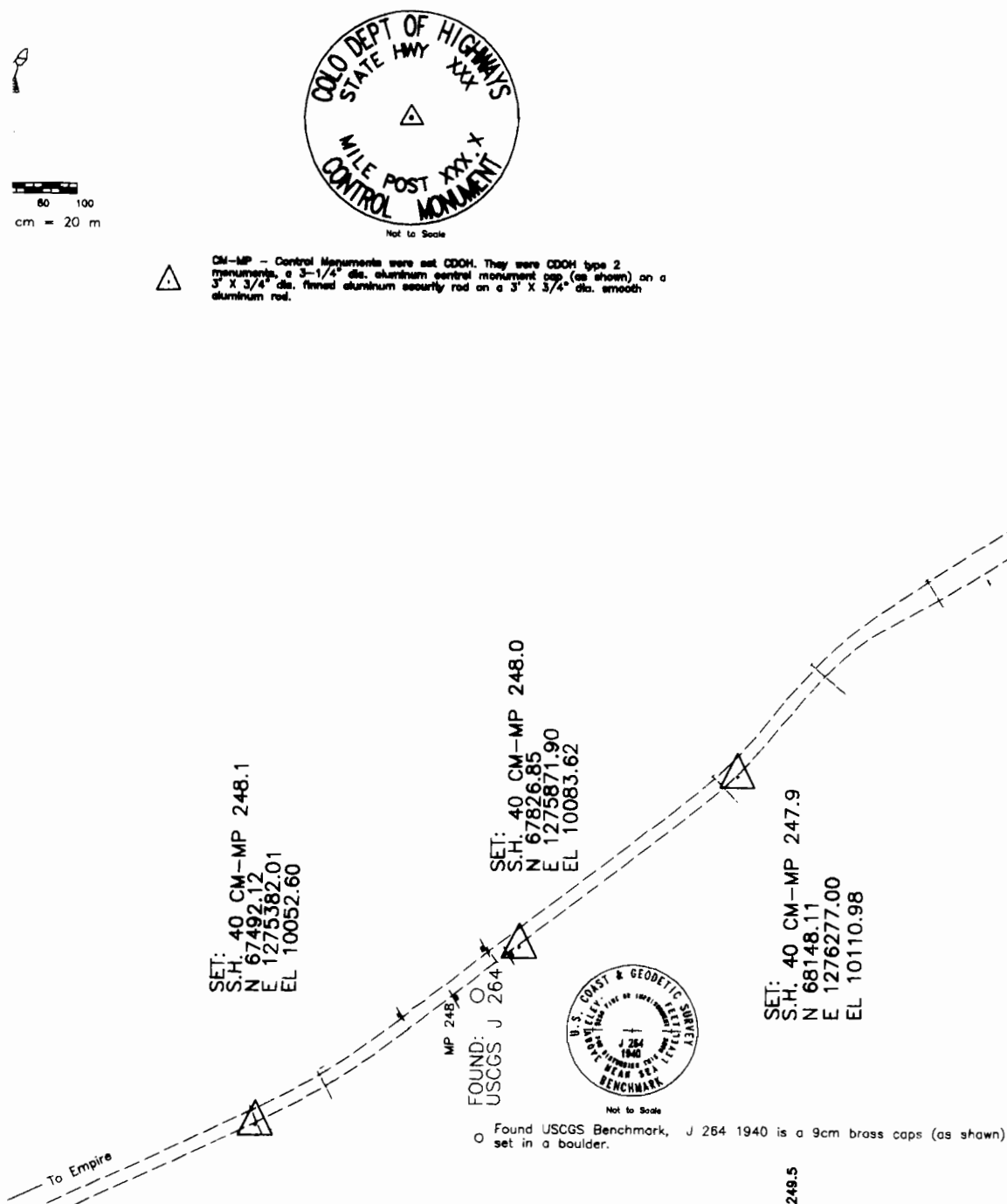
GRAND & CLEAR CREEK COUNTIES, COLORADO

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FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NUMBER
VIII	COLORADO	Project NH 0403-035	6

Revisions		
2/16/99	Revised CDOT CM to CDOT CM	DAS
2/16/98	Removed BMs & APs from plan sheets	DAS
2/16/99	Revised Easting coordinate of CM- MP 247.7	DAS
2/16/98	Edit found BM notes	DAS

2 Miles West of Berthoud Pass - West



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Project NH 0403-035
S.H. 40 MP 242.6 to MP 250.0

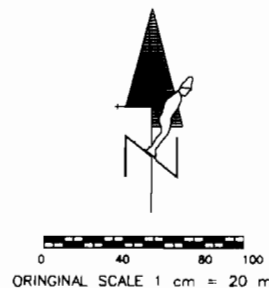
GRAND & CLEAR CREEK COUNTIES, COLORADO

AS CONSTRUCTED		
NO REVISIONS	REVISED	VOID

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NUMBER
VIII	COLORADO	Project NH 0403-035	7

Revisions		
2/16/99	Revised CDOT CM to CDOH CM	D
2/16/99	Removed BMs from plan sheets	D
2/17/99	Erased Aerial PTs from plan sheets	D

2 Miles West of Berthoud Pass - West



CM-MP - Control Monuments were set CDOH. They were CDOH 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.

A Colorado HARN GPS Station

NOTES:

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SET:
S.H. 40 CM-MP 248.7
N 65852.31
E 1272308.77
EL 9899.07



Found LOBATO 1992 is a 9cm brass caps (as shown) set in rock outcrop. A Colorado HARN GPS Station.

FOUND:
NGS CAP "LOBATO"
S.H. 40 CM-MP 248.8
N 65771.31
E 1272775.90
EL 9874.49

SET:
S.H. 40 CM-MP 248.8
N 65771.31
E 1272775.90
EL 9874.49

SET:
S.H. 40 CM-MP 248.6
N 66304.23
E 1273171.82
EL 9922.70

SET:
S.H. 40 CM-MP 249.0
N 66211.10
E 1273594.68
EL 9829.34

SET:
S.H. 40 CM-MP 248.4
N 66596.44
E 1273539.22
EL 9946.38

SET:
S.H. 40 CM-MP 248.3
N 66834.03
E 1273898.01
EL 9968.59

SET:
S.H. 40 CM-MP 249.1
N 66270.30
E 1274278.68
EL 9803.74

DESTROYED:
S.H. 40 CM-MP 249.2
N 66252.51
E 1274701.32
EL 9790.10

SET:
S.H. 40 CM-MP 249.3
N 66537.57
E 1275432.35
EL 9749.22

SET:
S.H. 40 CM-MP 248.2
N 67155.98
E 1274655.95
EL 10011.34

