



COORDINATE SUMMARY TABLE
(UNADJUSTED FIELD DATA)

POINT	NORTHING	EASTING	ELEV. (ft.)
CM-MP 6.1	1168952.85	3008426.26	7874.52
CM-MP 6.2	1169344.80	3007988.60	7896.67
CM-MP 6.3	1169681.68	3007794.51	7904.28
CM-MP 6.4	1169809.39	3007114.21	7934.61
CM-MP 6.5	1170052.36	3006280.53	7955.45
CM-MP 6.8	1170165.16	3005461.01	7977.29
CM-MP 6.9	1170199.96	3004598.25	8006.59
CM-MP 7.1	1170490.20	3004041.32	8026.90
CM-MP 7.25	1171080.02	3003301.73	8049.65
CM-MP 7.3	1171430.24	3003014.98	8053.91
CM-MP 7.4	1171759.27	3002590.20	8065.71
CM-MP 7.5	1172032.09	3002121.30	8079.86
CM-MP 7.6	1172197.48	3001854.22	8090.60
CM-MP 7.65	1172532.61	3001834.15	8101.66
CM-MP 7.7	1173237.07	3002088.45	8124.40
CM-MP 7.9	1173853.33	3001862.64	8151.98
CM-MP 8.1	1174678.54	3002122.33	8188.11
CM-MP 8.2	1175327.31	3001794.44	8216.45
CM-MP 8.3	1175834.72	3001581.00	8239.74
CM-MP 8.4	1176429.65	3001000.70	8275.09
CM-MP 8.5	1176685.46	3000297.33	8305.10
CM-MP 8.7	1176949.60	2999615.63	8332.96
CM-MP 8.8	1177170.11	2998564.02	8371.91
CM-MP 9.0	1177632.72	2998141.14	8402.29
CM-MP 9.3	1177723.45	2996663.56	8489.70
CM-MP 9.5	1178124.54	2995822.07	8545.96
CM-MP 9.7	1179232.68	2995248.31	8641.46
CM-MP 9.8	1179557.95	2994881.54	8659.84
CM-MP 10.2	1181493.65	2994521.39	8783.46
CM-MP 10.3	1181794.52	2994789.45	8806.03
CM-MP 10.5	1182240.38	2995876.44	8878.88
WP 611	1169298.67	3007996.06	---
WP 621	1169633.17	3007756.28	---
WP 631	1169622.90	3007320.73	---
WP 641	1169853.50	3006878.92	---
WP 651	1169850.09	3006230.85	---
WP 661	1170037.01	3005604.80	---
WP 671	1170019.52	3005231.33	---
WP 681	1170229.97	3004248.23	---
WP 691	1170569.82	3003869.80	---
WP 701	1171537.02	3002539.71	---
WP DHR	1176706.08	3004049.26	---
BLACKHAWK	1167307.17	3005280.44	---
DORY 2	1178585.67	3007007.04	---

TRAVERSE SUMMARY TABLES
(UNADJUSTED FIELD DATA)

PRIMARY CONTROL TRAVERSE (MILEPOST 7.3 TO 10.5)

OCCUPIED POINT	BACK POINT	AHEAD POINT	MEAN HORIZ. DIST. (±.02')	MEAN HORIZ. ANG. RT. (±.5')
CM-MP 7.3	BLACKHAWK	CM-MP 7.4	537.31	156°32'50"
CM-MP 7.4	CM-MP 7.3	CM-MP 7.5	542.49	172°25'55"
CM-MP 7.5	CM-MP 7.4	CM-MP 7.6	314.14	181°34'35"
CM-MP 7.6	CM-MP 7.5	CM-MP 7.65	335.73	234°48'14"
CM-MP 7.65	CM-MP 7.6	CM-MP 7.7	748.95	203°16'34"
CM-MP 7.7	CM-MP 7.65	CM-MP 7.9	656.33	140°01'42"
CM-MP 7.9	CM-MP 7.7	CM-MP 8.1	865.10	217°35'28"
CM-MP 8.1	CM-MP 7.9	CM-MP 8.2	726.92	135°43'14"
CM-MP 8.2	CM-MP 8.1	CM-MP 8.3	550.47	183°59'50"
CM-MP 8.3	CM-MP 8.2	CM-MP 8.4	831.08	158°31'37"
CM-MP 8.4	CM-MP 8.3	CM-MP 8.5	748.44	154°16'25"
CM-MP 8.5	CM-MP 8.4	CM-MP 8.7	731.09	181°11'37"
CM-MP 8.7	CM-MP 8.5	CM-MP 8.9	1074.48	170°39'46"
CM-MP 8.9	CM-MP 8.7	CM-MP 9.0	626.76	215°43'35"
CM-MP 9.0	CM-MP 8.9	CM-MP 9.3	1480.37	135°56'41"
CM-MP 9.3	CM-MP 9.0	CM-MP 9.5	932.19	201°58'14"
CM-MP 9.5	CM-MP 9.3	CM-MP 9.7	1247.86	217°08'31"
CM-MP 9.7	CM-MP 9.5	CM-MP 9.8	490.23	158°56'29"
CM-MP 9.8	CM-MP 9.7	CM-MP 10.2	1968.92	217°53'33"
CM-MP 10.2	CM-MP 9.8	CM-MP 10.3	402.96	232°14'21"
CM-MP 10.3	CM-MP 10.2	CM-MP 10.5	1174.88	205°59'53"
CM-MP 10.5	CM-MP 10.3	DORY 2	11715.26	220°28'48"
DORY 2	CM-MP 10.5	WP DHR	3504.47	309°23'16"
WP DHR	DORY 2	BLACKHAWK	9479.92	114°58'11"
BLACKHAWK	WP DHR	CM-MP 7.3	4704.47	338°40'53"

PRIMARY CONTROL TRAVERSE (MILEPOST 6.1 TO 7.4)

OCCUPIED POINT	BACK POINT	AHEAD POINT	MEAN HORIZ. DIST. (±.02')	MEAN HORIZ. ANG. RT. (±.5')
CM-MP 7.4	CM-MP 7.5	CM-MP 7.25	883.70	193°28'41"
CM-MP 7.25	CM-MP 7.4	CM-MP 7.1	945.98	174°54'07"
CM-MP 7.1	CM-MP 7.25	CM-MP 6.9	628.02	168°57'13"
CM-MP 6.9	CM-MP 7.1	CM-MP 6.8	863.46	154°47'02"
CM-MP 6.8	CM-MP 6.9	CM-MP 6.5	827.25	185°31'38"
CM-MP 6.5	CM-MP 6.8	CM-MP 6.4	868.36	188°24'43"
CM-MP 6.4	CM-MP 6.5	CM-MP 6.3	692.19	174°22'59"
CM-MP 6.3	CM-MP 6.4	CM-MP 6.2	388.79	229°25'16"
CM-MP 6.2	CM-MP 6.3	CM-MP 6.1	587.51	161°47'34"
CM-MP 6.1	CM-MP 6.2	WP 611	551.96	356°56'53"
WP 611	CM-MP 6.1	WP 621	411.56	195°34'21"
WP 621	WP 611	WP 631	435.67	124°16'58"
WP 631	WP 621	WP 641	498.38	208°54'48"
WP 641	WP 631	WP 651	648.08	152°08'07"
WP 651	WP 641	WP 661	653.36	196°55'35"
WP 661	WP 651	WP 671	373.87	160°41'44"
WP 671	WP 661	WP 681	1005.38	194°45'47"
WP 681	WP 671	WP 691	508.63	209°50'34"
WP 691	WP 681	WP 701	1644.57	174°05'52"
WP 701	WP 691	CM-MP 7.4	228.15	246°48'15"

NOTE: Closure of unadjusted control traverses are calculated to be greater than 1 part in 50000.

DEPARTMENT OF TRANSPORTATION - STATE OF COLORADO

CONTROL SURVEY DIAGRAM

Project STR-SR(CX) 0119(038)

S.H. 119 M.P. 6.1 to 10.5

Jct. S.H. 279 at Blackhawk - North

Sections 6, 7, 8, T. 3 S., R. 72 W., 6th P.M.

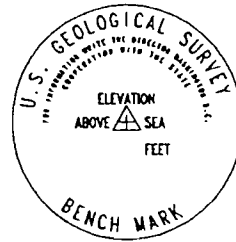
Sections 1, 2, T. 3 S., R. 73 W., 6th P.M.

Sections 35, 36, T. 2 S., R. 73 W., 6th P.M.

Gilpin County, Colorado



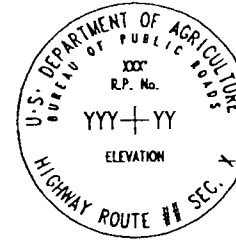
TYPICAL R-O-W
MARKER CAP



U.S.G.S.
BENCHMARK CAP



TYPICAL CONTROL
MONUMENT CAP



TYPICAL U.S.D.A.
REFERENCE POINT CAP
(XXX' - HORIZ. DIST TO CENTERLINE)
(YYY+YY - STATION)

FED. ROAD REGION	DIVISION	PROJ. NO.	SHEET NO.	SHEET TOTALS
VIII	COLO.	STR-SR(CX) 0119(38)	1	8
REVISIONS				

RIGHT OF WAY

BASIS OF BEARINGS: Bearings used in the calculation of coordinates are based on an assumed bearing of N 28°47'13" W from the U.S.G.S. point "Blackhawk" to CM-MP 7.3 as calculated by rotating the traverse data to U.S.G.S. point "Dory 2". "Blackhawk" and CM-MP 7.3 are described in detail below.

BASIS OF ELEVATIONS: Elevations are based on U.S.G.S. benchmark D 1 1940 set in a rock ledge at the intersection of SH 119 and SH 279 in Blackhawk. D 1 1940 is on the U.S.G.S. Blackhawk quadrangle line 4 with a published NAVD 1929 elevation of 8055.871'.

BASIS OF COORDINATES: Coordinates are modified NAD 1983 state plane coordinates adjusted to a mean elevation of 8500 feet. An International foot conversion factor of 0.3048 meters per foot was used to convert from meters to feet as per CRS 38-52-103(2) in 1990 when the coordinates were calculated.

▲ CM-MP - Control Monuments are set CDOT 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.

△ WORK PT. - Work points are set oak hubs with a tack and guard stake.

○ RIGHT-OF-WAY Markers are found 3-1/4" brass caps (as shown) set in concrete posts or rock outcroppings.

○ REFERENCE POINT Markers found are 3-1/4" brass caps (as shown) set in the top of concrete posts.

⊗ MISCELLANEOUS SURVEY MONUMENTS (see diagram for specific descriptions).

▲ U.S.G.S. points "Blackhawk" and "Dory 2" are found 3-3/4" brass caps (as shown) set in the top of rock outcroppings.

NOTE: This control survey is for the use of Colorado Department of Transportation personnel. The survey is not a complete Boundary Survey. 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, properly 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 shown.

NOTE: No guarantee as to the accuracy of the information contained on the attached drawing is either stated or implied unless this copy bears an original signature of the professional land surveyor hereon named.

NOTE: These maps cannot be relied upon for locating newly installed utilities and improvements in the City Limits of Blackhawk. Many improvements were under construction during and after the field survey was performed.

SURVEYORS 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 December 17, 1991 to May 3, 1993, 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, meets the minimum horizontal control tolerances of a Type B Survey and this topographic survey, as shown, meets the minimum horizontal control tolerances of a Type D Survey as listed in the Colorado Department of Transportation Survey Manual Chapter Three (Revised 4/29/92).

Joseph P. Conway L.S. 25618



DEPARTMENT OF TRANSPORTATION - STATE OF COLORADO

CONTROL SURVEY DIAGRAM

Project STR-SR(CX) 0119(038)

S.H. 119 M.P. 6.1 to 10.5

Jct. S.H. 279 at Blackhawk - North

Sections 6, 7, 8, T. 3 S., R. 72 W., 6th P.M.

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Gilpin County, Colorado

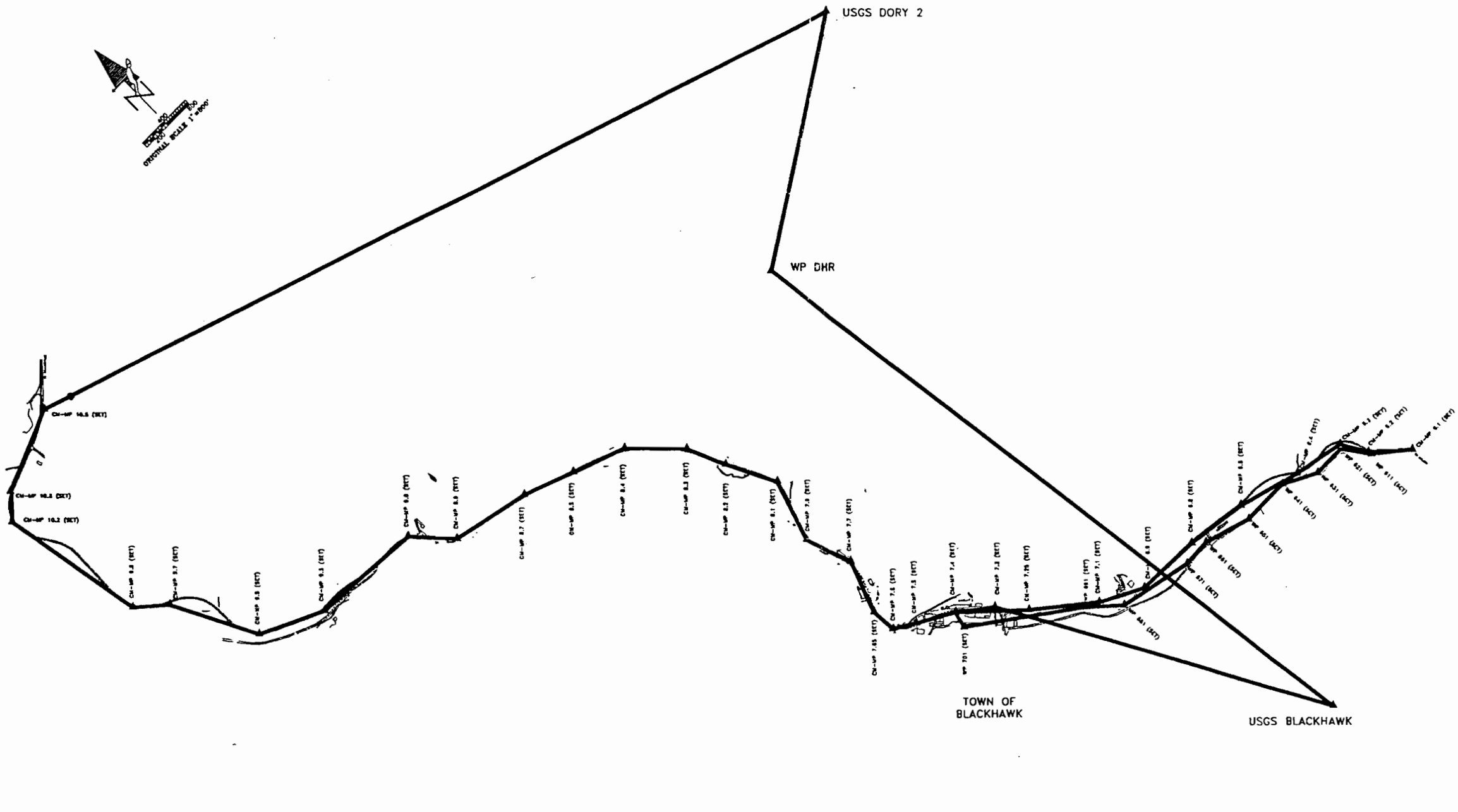
FED. ROAD REGION	DIVISION	PROJ. NO.	SHEET NO.	SHEET TOTALS
VIII	COLO.	STR-SR(CX) 0119(38)	2	8

RIGHT OF WAY

REVISIONS

NO.	DESCRIPTION

CONTROL TRAVERSE ROUTE



- ▲ CM-MP - CONTROL MONUMENTS
- △ WORK POINT - Work points are set oak hubs with a tack and guard stake.
- R-O-W MARKERS (FND) are set in concrete posts or rock outcroppings.
- REF. PT. MARKERS (FND) - See diagram for station and offset.
- ⊗ MISCELLANEOUS SURVEY MONUMENTS (FND) (see diagram for specific description)
- BENCHMARK (FND) (see diagram for agency and name)

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DEPARTMENT OF TRANSPORTATION - STATE OF COLORADO CONTROL SURVEY DIAGRAM

Project STR-SR(CX) 0119(038)

S.H. 119 M.P. 6.1 to 10.5

Jct. S.H. 279 at Blackhawk - North

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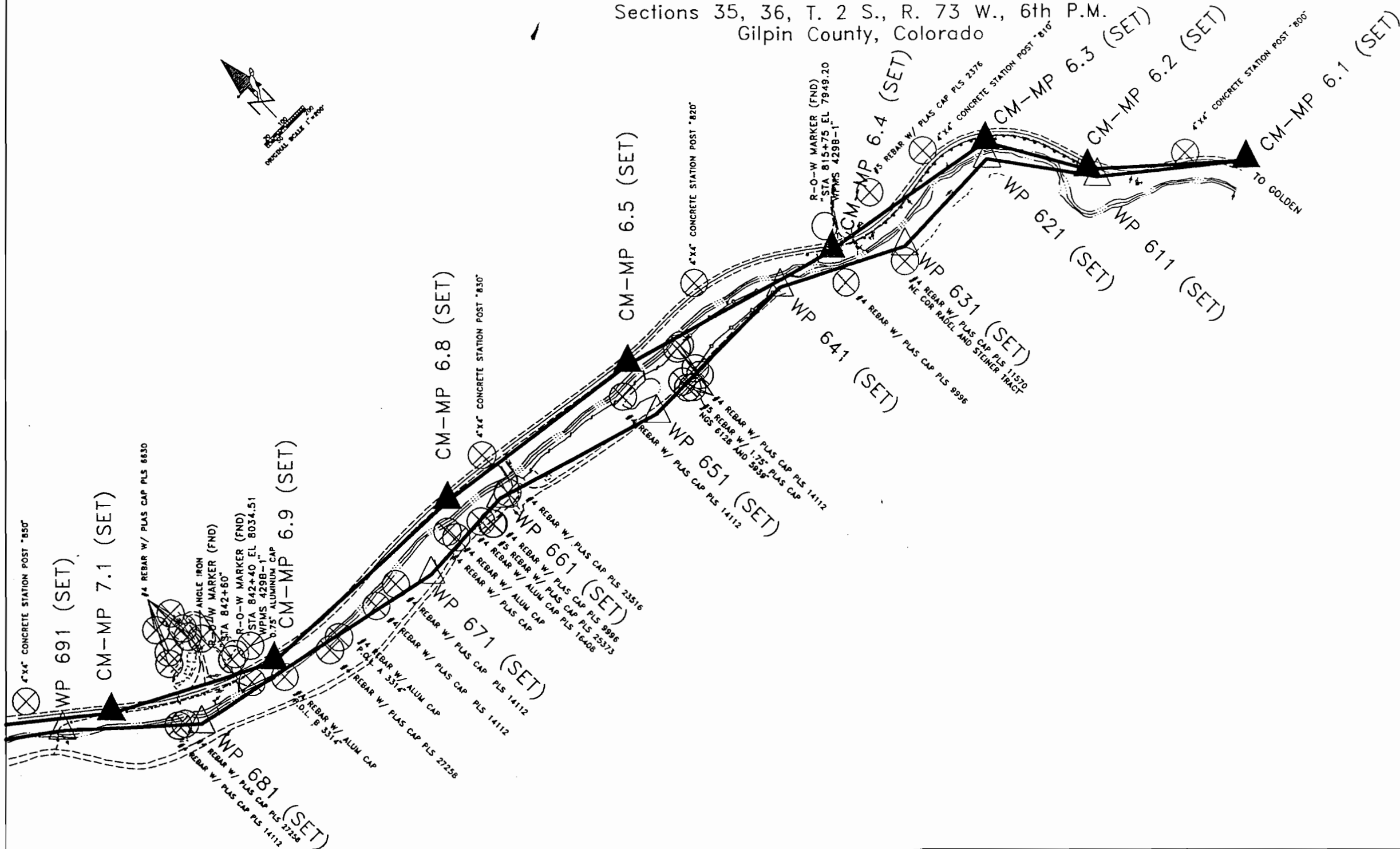
Sections 35, 36, T. 2 S., R. 73 W., 6th P.M.

Gilpin County, Colorado

FED. ROAD REGION	DIVISION	PROJ. NO.	SHEET NO.	SHEET TOTALS
VIII	COLO.	STR-SR(CX) 0119(38)	3	8
REVISIONS				

RIGHT OF WAY

CONTROL MONUMENT LOCATIONS
PROPERTY BOUNDARY EVIDENCE



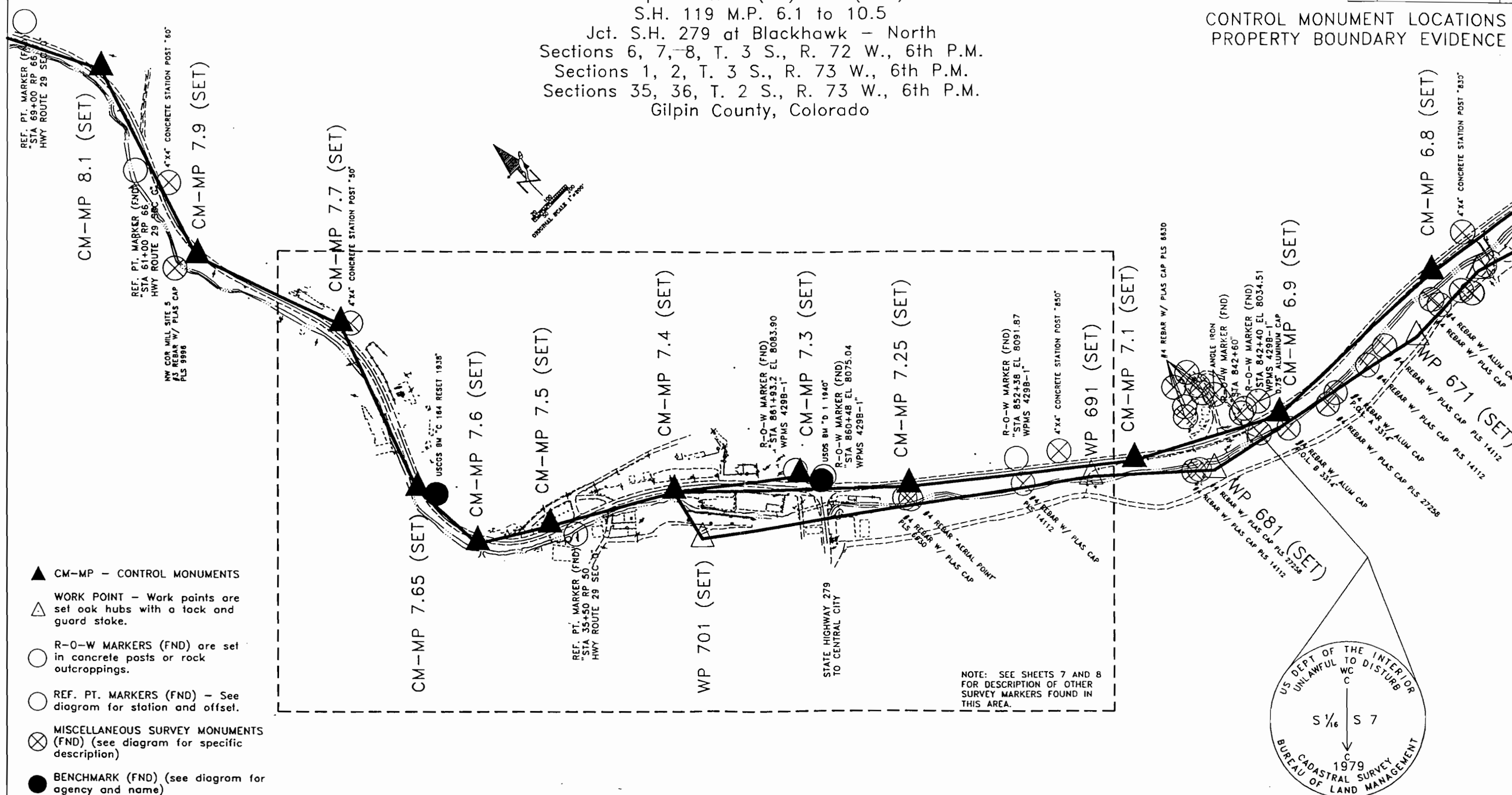
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- BENCHMARK (FND) (see diagram for agency and name)

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CONTROL MONUMENT LOCATIONS
PROPERTY BOUNDARY EVIDENCE

Jct. S.H. 279 at Blackhawk - North
Sections 6, 7, -8, T. 3 S., R. 72 W., 6th P.M.
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Gilpin County, Colorado





DEPARTMENT OF TRANSPORTATION - STATE OF COLORADO CONTROL SURVEY DIAGRAM

Project STR-SR(CX) 0119(038)

S.H. 119 M.P. 6.1 to 10.5

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Gilpin County, Colorado

FED. ROAD REGION	DIVISION	PROJ. NO.	SHEET NO.	SHEET TOTALS
VIII	COLO.	STR-SR(CX) 0119(38)	5	8

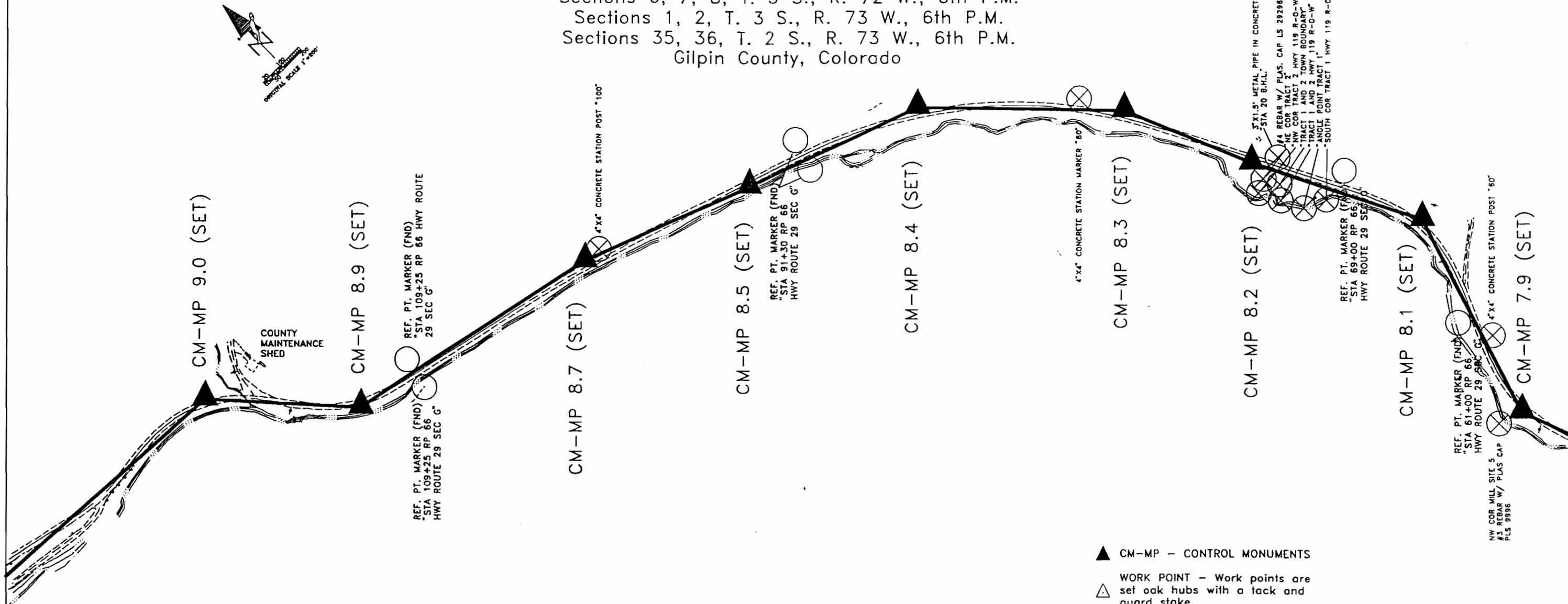
RIGHT OF WAY

REVISIONS	

CONTROL MONUMENT LOCATIONS
PROPERTY BOUNDARY EVIDENCE

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- ▲ CM-MP - CONTROL MONUMENTS
- △ WORK POINT - Work points are set oak hubs with a tack and guard stake.
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DEPARTMENT OF TRANSPORTATION - STATE OF COLORADO CONTROL SURVEY DIAGRAM

Project STR-SR(CX) 0119(038)

S.H. 119 M.P. 6.1 to 10.5

Jct. S.H. 279 at Blackhawk - North
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Gilpin County, Colorado

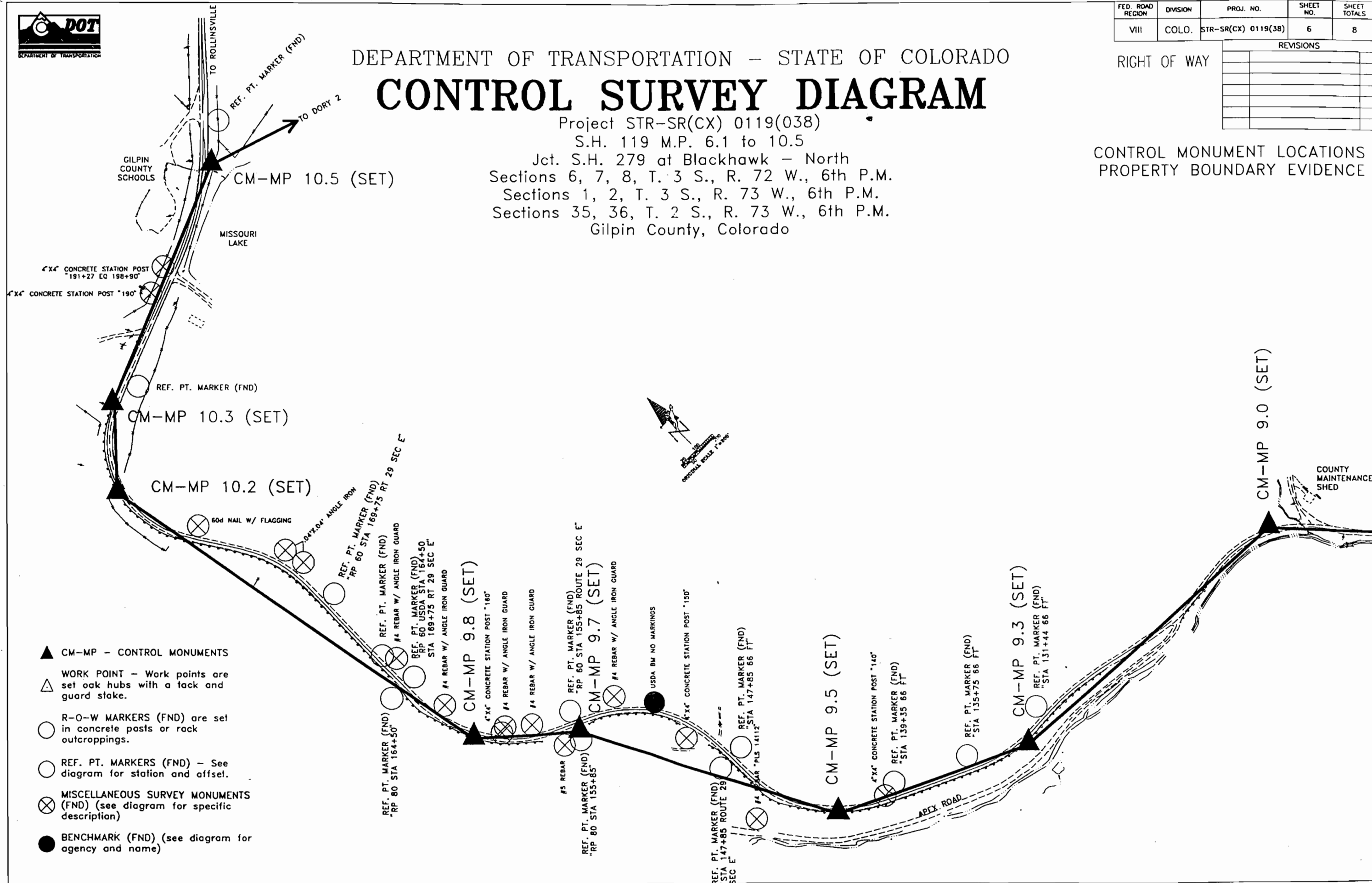
FED. ROAD REGION	DIVISION	PROJ. NO.	SHEET NO.	SHEET TOTALS
VIII	COLO.	STR-SR(CX) 0119(38)	6	8
RIGHT OF WAY				
REVISIONS				

CONTROL MONUMENT LOCATIONS
PROPERTY BOUNDARY EVIDENCE

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Gilpin County, Colorado

FED. ROAD REGION	DIVISION	PROJ. NO.	SHEET NO.	SHEET TOTALS
VIII	COLO.	STR-SR(CX) 0119(038)	7	8

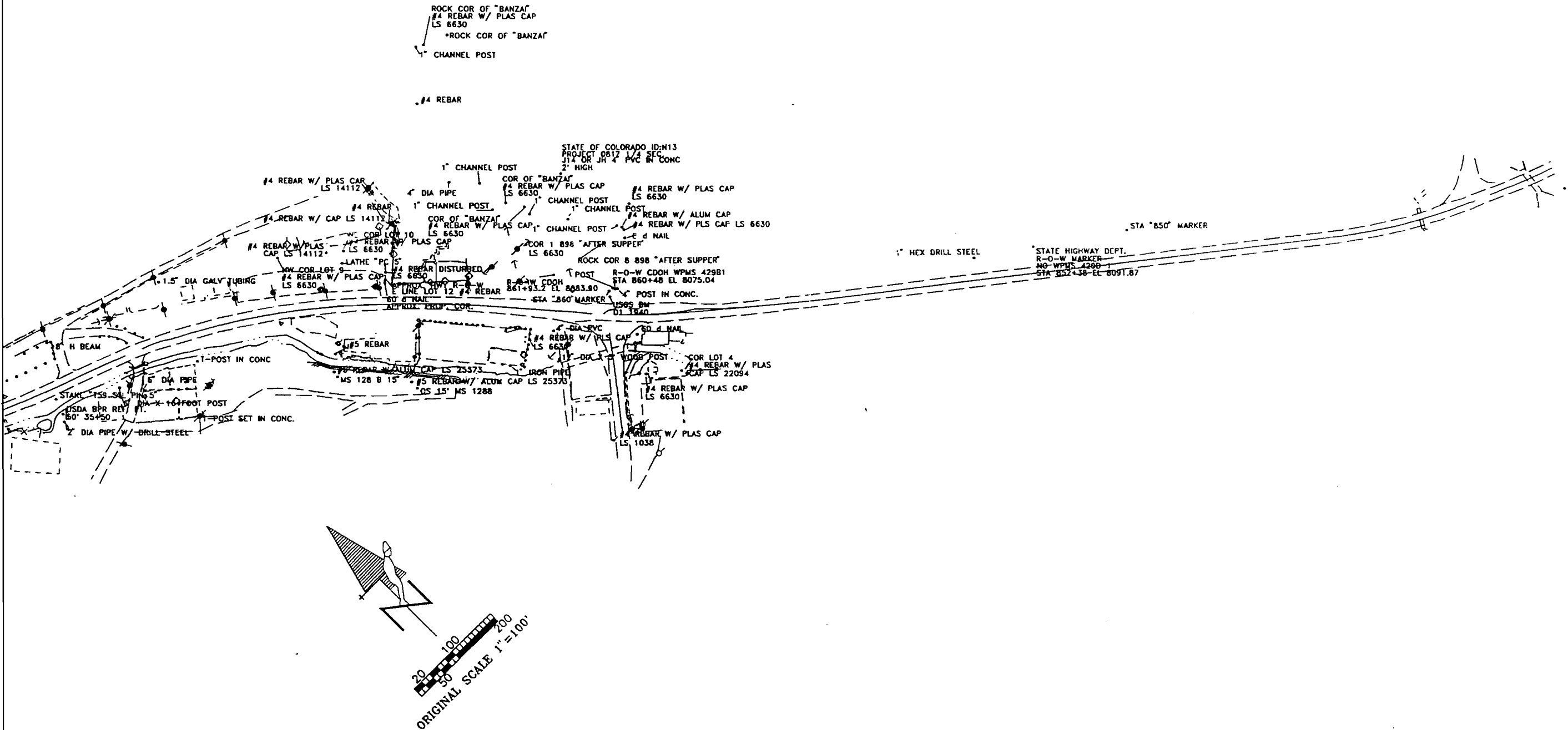
RIGHT OF WAY

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PROPERTY BOUNDARY EVIDENCE

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DEPARTMENT OF TRANSPORTATION - STATE OF COLORADO

CONTROL SURVEY DIAGRAM

Project STR-SR(CX) 0119(038)

S.H. 119 M.P. 6.1 to 10.5

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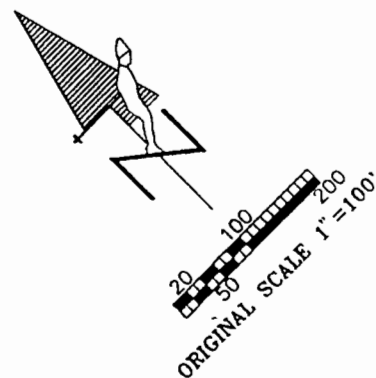
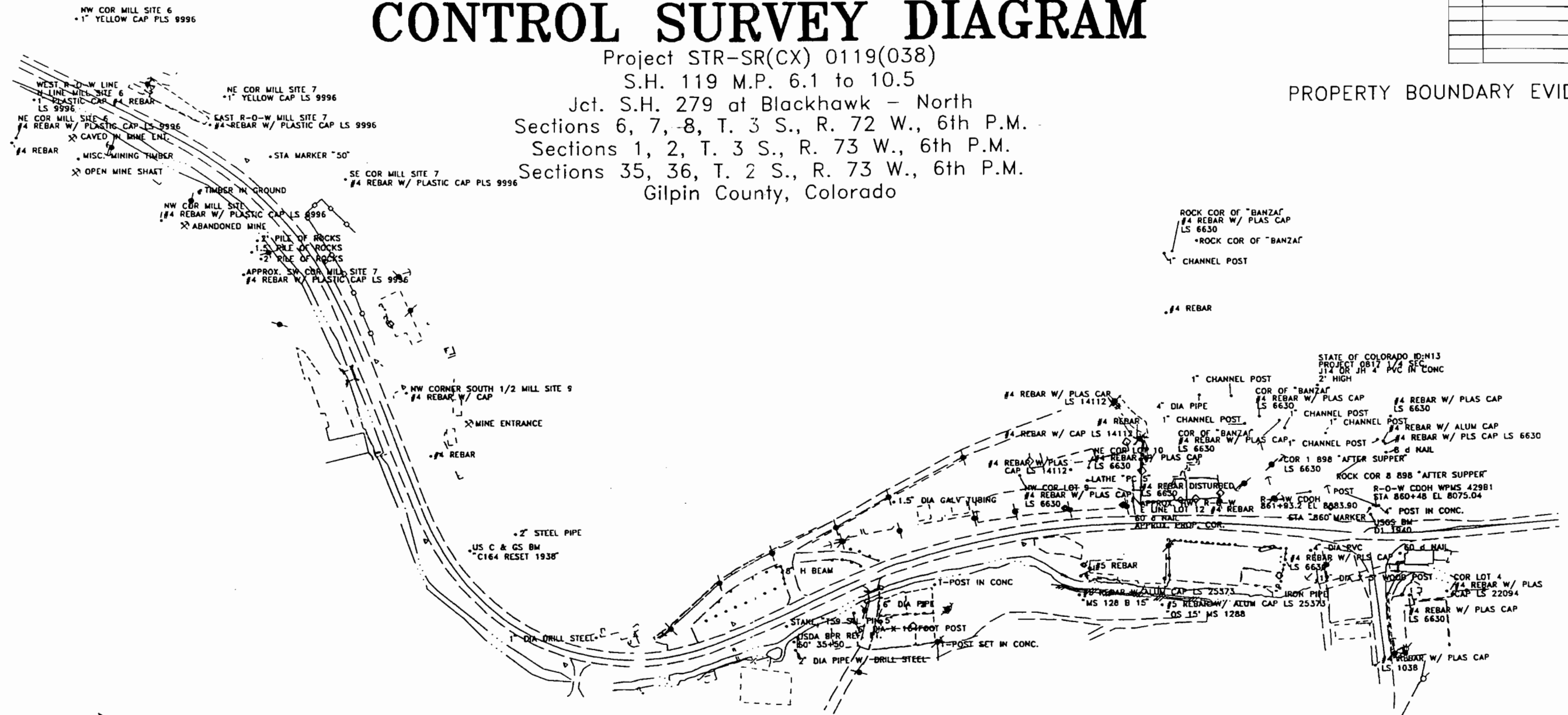
Gilpin County, Colorado

FED. ROAD REGION	DIVISION	PROJ. NO.	SHEET NO.	SHEET TOTALS
VIII	COLO.	STR-SR(CX) 0119(038)	8	8

RIGHT OF WAY

REVISIONS

PROPERTY BOUNDARY EVIDENCE



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