COLORADO DEPARTMENT OF TRANSPORTATION
Region 1
Address: 18500 East Colfax Avenue
Aurora, CO 80011
Phone: (303) 757-9744 FAX: (303) 757-9746

Sheet Revisions

I-70 LIMON BYPASS

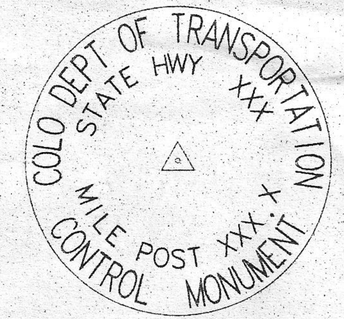
Survey Control Diagram
Title Sheet
Post Construction Monumentation

Project:	Last Mod. Date		Sheet No.	Total No. of Sheets
IM 0704-185	10-02-01		1	6

I-70 LIMON BYPASS

SH 70 MP 357.3 to MP 368.8
Located in Sections:
15, 16, 17, and 18, T. 9 S., R. 55 W., 6th P.M.
7, 8, 13, 14, 15, 16, 17, and 18, T. 9 S., R. 56 W., 6th P.M.
11, 12, 13, and 14, T. 9 S., R. 57 W., 6th P.M.
Lincoln County, Colorado
Elbert County, Colorado

Prepared by: PARAGON LAND CONSULTANTS, INC.
3000 S. JAMAICA COURT SUITE 200
AURORA, COLORADO 80014
303.671.8467 OFFICE 303.671.8482 FAX



Typical Control Monument Cap
Not to Scale

▲ = CM-MP - Control Point Monuments set by CDOT. They are 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.

General Notes:

1). This Control Survey Diagram represents a horizontal and vertical control for project I-70 at Pecria (IM 0704-185) estabiished by CDOT.

2). This Control Survey Diagram does not represent a monumented land, property boundary or right of way survey.

3). The re-set monuments were set to the same area as the original monument.

4). The re-set monuments are based on and surveyed from the nearest and adjacent existing CDOT control monuments.

FILING CERTIFICATION:
DEPOSITED THIS 18th DAY OF October, 2001, AT 12:10 P.M., FOR INFORMATION ONLY IN BOOK 1 OF THE COUNTY LAND SURVEYS/RIGHT OF WAY SURVEYS AT PAGE 7, RECEPTION NUMBER 159.

SIGNED Paula Strand Lincoln County Clerk, by
DEPT. Margery Pitts, Deputy.

Project data as published by CDOT:

BASIS OF BEARINGS: Bearings used in the calculation of coordinates are based on a grid bearing of S 74°53'55" E from I-70 CM-MP 357.2 to I-70 CM-MP 357.5 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 L 257 1938 a 3-1/4 inch brass cap set in a concrete footer of a highway bridge over the Union Pacific Railroad tracks with an NAVD '88 elevation of 1644.247m, L 257 1938 is part of Colorado Line 49, a first order line leveled in 1938.

COORDINATE DATUM: Project coordinates are modified Colorado Sate Plane Central Zone NAD '83(92) coordinates. State plane coordinates were modified to a mean project elevation of 1645.000m. The combined elevation/scale factor used to modify the coordinates from state plane to project coordinates was 1.000318025. Project coordinates were truncated by 400,000m in the Northing and by 1,000,000m in the Easting after converting from state plane coordinates to project coordinates. The CHARN is based on the NAD '83(92) datum.

NOTE: This control survey is for the use of the Colorado Department of Transportation personnel. The survey is not a complete boundary survey and does not subdivide land. This is not a Land Survey Plat and/or a Rights of Way Plat. 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 restriction, as described in the instruments of record, were not included in this control survey

NOTE: Refer to M-629-1 Survey Monuments of the Standard Plans, Colorado Department of Transportation, M & S Standards November 1992 for survey monument descriptions. Refer to M-100-1 Standard Sumbols of the Standard Plans, Colorado Department of Transportation, M & S Standards November 1992 for standard symbol definitions.

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 statement shown hereon.

SURVEYORS STATEMENT:
I, Michael J. Gregory, a Professional Land Surveyor in the State of Colorado, hereby state that this Control Survey Diagram was prepared under my direct supervision. That the control monuments shown hereon accurately represent monuments set on the ground, for the use of the Department of Transportation, State of Colorado, and is not a Land Survey Plat or Right-of-Way Survey Plat.

Michael J. Gregory 10/10/01
Michael J. Gregory, PLS 26288 Date
For and on the behalf of
Paragon Land Consultants, Inc.

26288

#179

CDOT Form
#126Ra 7/00

COLORADO DEPARTMENT OF TRANSPORTATION

DOT
DEPARTMENT OF TRANSPORTATION

Region 1
Address: 18500 East Colfax Avenue
Aurora, CO 80011
Phone: (303) 757-9744 FAX: (303) 757-9746

Sheet Revisions

I-70 LIMON BYPASS

Survey Control Diagram

Post Construction Monumentation

Project:	Last Mod. Date		Sheet. No.	Total No. of Sheets
IM 0704-185	10-02-01		2	6

I-70 LIMON BYPASS

SH 70 MP 357.3 to MP 368.8
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11, 12, 13, and 14, T. 9 S., R. 57 W., 6TH P.M.
Lincoln County, Colorado
Elbert County, Colorado

PROJECT COORDINATES SUMMARY TABLE
(ADJUSTED FIELD DATA)

POINT NAME	PROJECT COORDINATES		ELEV(m)	DESCRIPTION
	NORTH (m)	EAST (m)		
I-70 CM-MP 359.2	~~66316.432~~	~~69006.428~~	~~1661.451~~	CDOT Type II Control Monument
CM-MP 359.2 (Reset by Paragon)	66291.179	69024.047	1661.408	
I-70 CM-MP 359.6	~~66332.272~~	~~69667.482~~	~~1651.769~~	CDOT Type II Control Monument
CM-MP 359.6 (Reset by Paragon)	66279.222	69611.038	1654.669	
I-70 CM-MP 359.7	~~66282.603~~	~~69859.329~~	~~1652.329~~	CDOT Type II Control Monument
CM-MP 359.7 (Reset by Paragon)	66277.667	69787.763	1654.323	
I-70 CM-MP 361.5	~~65660.890~~	~~72517.689~~	~~1638.005~~	CDOT Type II Control Monument
CM-MP 361.5 (Reset by Paragon)	65668.448	72502.068	1638.961	
I-70 CM-MP 361.7	~~65486.377~~	~~72740.494~~	~~1642.186~~	CDOT Type II Control Monument
CM-MP 361.7 (Reset by Paragon)	65486.383	72740.491	1642.176	
I-70 CM-MP 361.8	~~65324.236~~	~~72921.430~~	~~1641.926~~	CDOT Type II Control Monument
CM-MP 361.8 (Reset by Paragon)	65324.250	72921.432	1641.911	
I-70 CM-MP 362.0	~~65163.322~~	~~73129.096~~	~~1636.481~~	CDOT Type II Control Monument
CM-MP 362.0 (Reset by Paragon)	65221.355	73094.015	1637.369	
I-70 CM-MP 363.2	~~65395.464~~	~~74948.278~~	~~1633.304~~	CDOT Type II Control Monument
CM-MP 363.2 (Reset by Paragon)	65308.045	74940.813	1634.119	
I-70 CM-MP 363.8	~~65718.086~~	~~75885.163~~	~~1643.873~~	CDOT Type II Control Monument
CM-MP 363.8 (Reset by Paragon)	65538.794	75848.419	1643.568	
I-70 CM-MP 365.2	~~65760.969~~	~~78118.081~~	~~1654.777~~	CDOT Type II Control Monument
CM-MP 365.2 (Reset by Paragon)	65760.972	78117.953	1654.786	
I-70 CM-MP 365.4	~~65822.163~~	~~78376.607~~	~~1655.717~~	CDOT Type II Control Monument
CM-MP 365.4 (Reset by Paragon)	65732.175	78345.152	1653.637	
US 24 CM-MP 377.3	~~66440.674~~	~~69438.758~~	~~1656.664~~	CDOT Type II Control Monument
CM-MP 377.3 (Reset by Paragon)	66366.945	69418.011	1658.967	
US 24 CM-MP 386.0	~~65285.879~~	~~74693.323~~	~~1639.691~~	CDOT Type II Control Monument
CM-MP 386.0 (Reset by Paragon)	65304.751	74686.310	1639.769	CDOT Type II Control Monument
HOWDY 1992	65692.728	78956.486	1661.614	CDOT Type II Control Monument
SH 71 CM-MP 102.4	65981.158	72013.898	1642.262	CDOT Type II Control Monument
I-70 CM-MP 358.8	66366.206	68377.760	1674.230	CDOT Type II Control Monument
I-70 CM-MP 359.0	66247.566	68766.849	1666.940	CDOT Type II Control Monument
I-70 CM-MP 359.9	66345.610	70178.743	1639.777	CDOT Type II Control Monument
I-70 CM-MP 360.1	66352.182	70463.508	1639.291	CDOT Type II Control Monument
I-70 CM-MP 361.4	65773.715	72253.115	1636.764	CDOT Type II Control Monument
I-70 CM-MP 362.2	65062.022	73417.153	1627.345	CDOT Type II Control Monument
I-70 CM-MP 362.6	65040.531	74068.536	1631.490	CDOT Type II Control Monument
I-70 CM-MP 362.8	65100.958	74324.253	1642.919	CDOT Type II Control Monument
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I-70 CM-MP 363.9	65579.958	76019.670	1639.011	CDOT Type II Control Monument
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I-70 CM-MP 364.7	65775.307	77259.612	1653.740	CDOT Type II Control Monument
I-70 CM-MP 364.9	65777.241	77693.571	1652.207	CDOT Type II Control Monument
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STATE OF COLORADO
COUNTY OF LINCOLN
I hereby [illegible]
record [illegible]
o'clock
12:15 P.M
October 18, 2001 Rec #160
Bk 1 7
Paula Strouf, Dep
Margery Pitts

CDOT Form
#126Ra 7/00

COLORADO DEPARTMENT OF TRANSPORTATION

DOT
DEPARTMENT OF TRANSPORTATION
Region 1
Address: 18500 East Colfax Avenue
Aurora, CO 80011
Phone: (303) 757-9744 FAX: (303) 757-9746

Sheet Revisions

I-70 LIMON BYPASS

Survey Control Diagram

Post Construction Monumentation

Project:	Last Mod. Date		Sheet No.	Total No. of Sheets
IM 0704-185	10-02-01		3	6

I-70 LIMON BYPASS

SH 70 MP 357.3 to MP 368.8
Located in Sections:
15, 16, 17, and 18, T. 9 S., R. 55 W., 6TH P.M.
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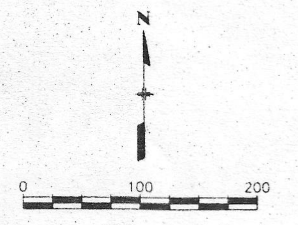
Lincoln County, Colorado
Elbert County, Colorado



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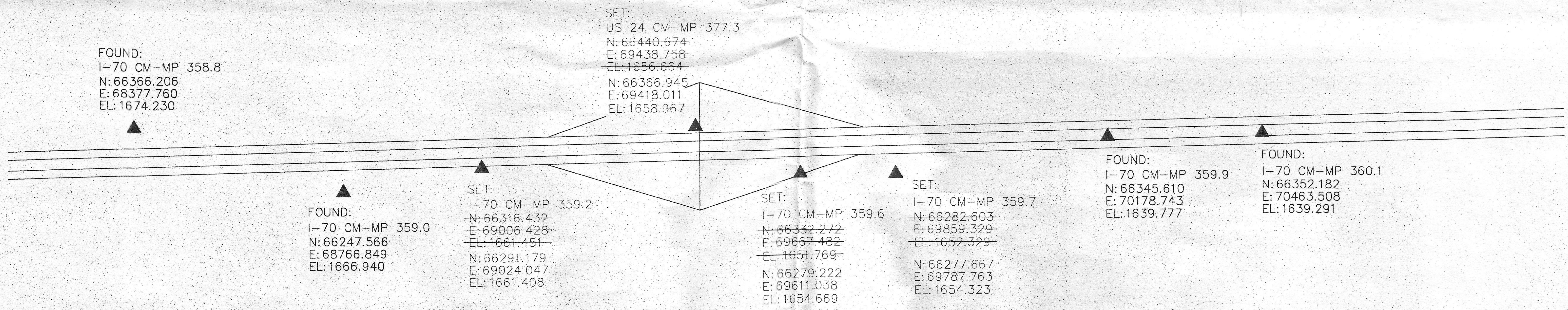
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EL: 1639.291

STATE OF COLORADO
COUNTY OF [illegible]
I hereby [illegible]
12:18 p.m.
Oct. 18, 2001
Rec. #161
7
Paula Strand
Margery Pitts
Deputy

J:\179\AutoCAD\SHEET3.dwg Thu Oct 11 07:15:10 2001

CDOT Form
#126Ra 7/00

COLORADO DEPARTMENT OF TRANSPORTATION

Region 1
Address: 18500 East Colfax Avenue
Aurora, CO 80011
Phone: (303) 757-9744 FAX: (303) 757-9746

Sheet Revisions

I-70 LIMON BYPASS

Survey Control Diagram

Post Construction Monumentation

Project:	Last Mod. Date		Sheet No.	Total No. of Sheets
IM 0704-185	10-02-01		4	6

I-70 LIMON BYPASS

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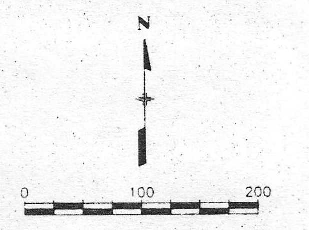
Lincoln County, Colorado
Elbert County, Colorado



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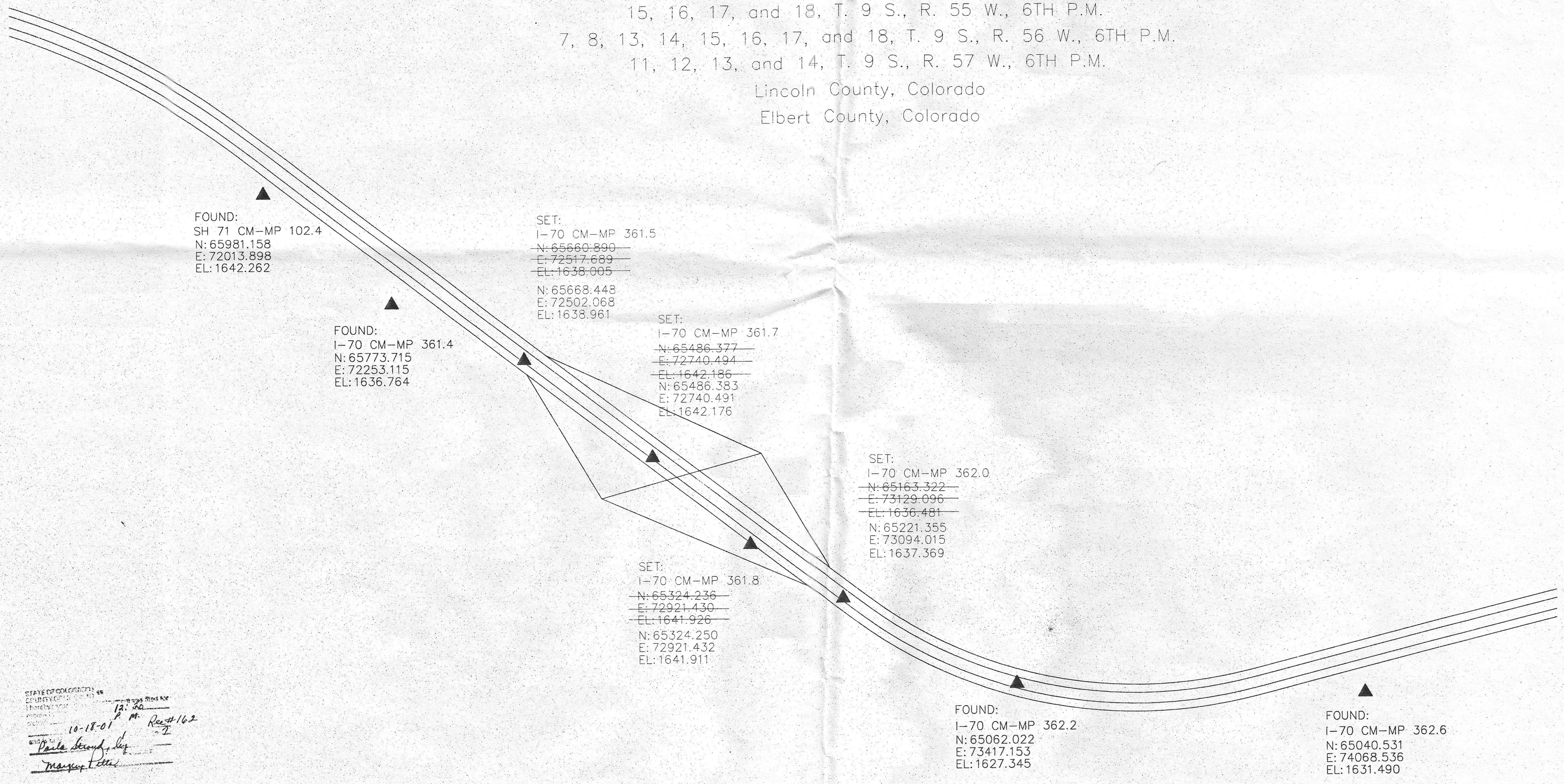
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STATE OF COLORADO
12:20
P. M.
10-18-01
Rec#162
Paula Stroud, Clerk
Marjorie Potter

CDOT Form #126Pa 7/00

COLORADO DEPARTMENT OF TRANSPORTATION

DOT
DEPARTMENT OF TRANSPORTATION
Region 1
Address: 18500 East Colfax Avenue
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Sheet Revisions

I-70 LIMON BYPASS

Survey Control Diagram

Post Construction Monumentation

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I-70 LIMON BYPASS

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Lincoln County, Colorado
Elbert County, Colorado

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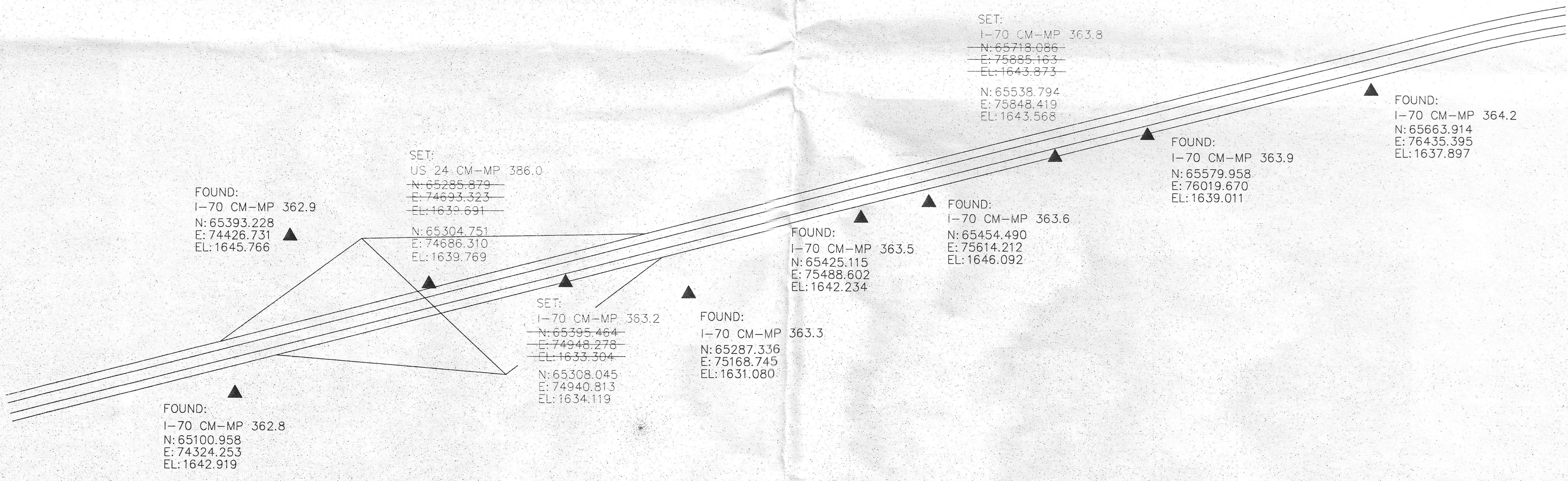
Half-size Scale: 1 : 200 Full-size Scale: 1 : 100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US 24 CM-MP 386.0
~~N: 65285.879~~
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E: 74686.310
EL: 1639.769
SET:
I-70 CM-MP 363.2
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12:25 p.m
October 18, 2001 Rec# 163
7
Paula Stroud, by
Margery Pitts

J:\179\AutoCAD\SHEET5.dwg Thu Oct 11 07:16:56 2001

CDOT Form #1265 7/00

COLORADO DEPARTMENT OF TRANSPORTATION

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Sheet Revisions

I-70 LIMON BYPASS

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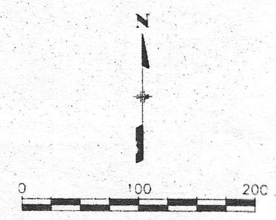

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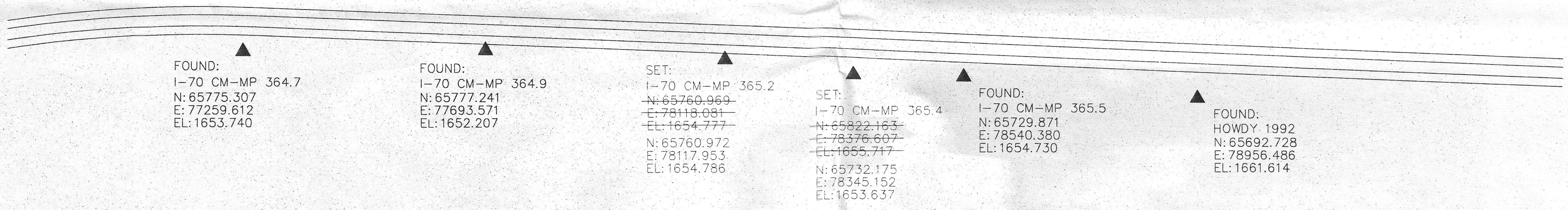

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EL: 1654.730

FOUND:
HOWDY 1992
N: 65692.728
E: 78956.486
EL: 1661.614

STATE OF COLORADO ss
COUNTY OF LINCOLN
o'clock
12:30 P.M
10-18-01
Rec#164
I