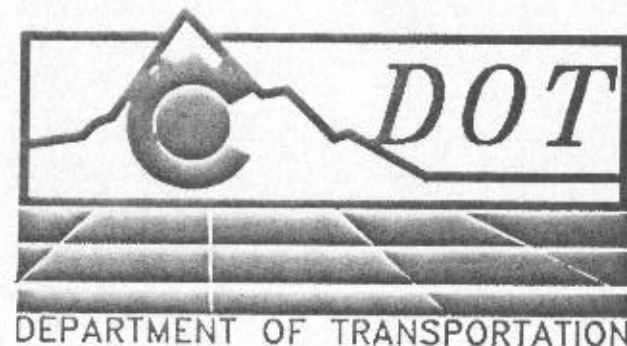




DEPARTMENT OF TRANSPORTATION - STATE OF COLORADO

SURVEY CONTROL DIAGRAM

Projects IR[CX] 070-3(169) and FC[CX] 074-1(2)

Interstate 70 Milepost 251.3 to Milepost 252.6

SH 74 Milepost 0.0 to Milepost 1.0

El Rancho Interchange to Kerr Gulch

Secs. 10, 11, 15, 16, 21, T. 4 S., R. 71 W., 6th P.M.

Jefferson County, Colorado

TRAVERSE SUMMARY TABLES

(UNADJUSTED FIELD DATA)

PRIMARY CONTROL TRAVERSE 1

OCCUPIED POINT	BACK POINT	AHEAD POINT	MEAN HORIZ. DIST. (±.02')	MEAN HORIZ. ANG. RT. (±5")
SH 74 PK 1	CL STR. F-15-CF	I-70 MP 251.30	218.28	236°48'37"
I-70 MP 251.30	SH 74 PK 1	I-70 MP 251.35	589.80	315°55'54"
I-70 MP 251.35	I-70 MP 251.30	I-70 MP 251.55	948.07	257°47'37"
I-70 MP 251.55	I-70 MP 251.35	I-70 MP 251.60	429.03	146°51'11"
I-70 MP 251.60	I-70 MP 251.55	I-70 MP 251.65	330.05	186°26'17"
I-70 MP 251.65	I-70 MP 251.60	I-70 MP 251.85	990.37	175°03'52"
I-70 MP 251.85	I-70 MP 251.65	I-70 MP 252.10	1338.54	180°14'26"
I-70 MP 252.10	I-70 MP 251.85	I-70 MP 251.86	1421.04	6°35'45"
I-70 MP 251.86	I-70 MP 252.10	I-70 MP 251.70	649.24	177°44'14"
I-70 MP 251.70	I-70 MP 251.86	I-70 MP 251.56	717.84	170°33'44"
I-70 MP 251.56	I-70 MP 251.70	SH 74 PK 1	1312.07	182°21'56"

PRIMARY CONTROL TRAVERSE 2

OCCUPIED POINT	BACK POINT	AHEAD POINT	MEAN HORIZ. DIST. (±.02')	MEAN HORIZ. ANG. RT. (±5")
I-70 MP 252.10	I-70 MP 251.85	I-70 MP 252.25	730.14	177°52'06"
I-70 MP 252.25	I-70 MP 252.10	I-70 MP 252.30	354.02	172°35'45"
I-70 MP 252.30	I-70 MP 252.25	I-70 MP 252.35	520.40	159°24'59"
I-70 MP 252.35	I-70 MP 252.30	I-70 MP 252.45	408.54	215°47'59"
I-70 MP 252.45	I-70 MP 252.35	I-70 MP 252.55	581.43	199°15'17"
I-70 MP 252.55	I-70 MP 252.45	I-70 MP 252.26	1741.69	346°07'57"
I-70 MP 252.26	I-70 MP 252.55	I-70 MP 252.10	850.91	141°13'08"

PRIMARY CONTROL TRAVERSE 3

OCCUPIED POINT	BACK POINT	AHEAD POINT	MEAN HORIZ. DIST. (±.02')	MEAN HORIZ. ANG. RT. (±5")
I-70 MP 251.30	I-70 MP 251.35	SH 74 PK 2	1330.57	209°01'10"
SH 74 PK 2	I-70 MP 251.30	SH 74 PK 50	973.17	249°03'51"
SH 74 PK 50	SH 74 PK 2	SH 74 PK 51	1278.13	136°58'14"
SH 74 PK 51	SH 74 PK 50	SH 74 PK 52	352.00	122°07'30"
SH 74 PK 52	SH 74 PK 51	SH 74 MP 0.65	327.97	343°07'39"
SH 74 MP 0.65	SH 74 PK 52	SH 74 MP 0.40	1367.88	253°36'59"
SH 74 MP 0.40	SH 74 MP 0.65	SH 74 MP 0.20	1118.13	225°20'30"
SH 74 MP 0.20	SH 74 MP 0.40	I-70 MP 251.30	1294.41	105°26'01"

PRIMARY CONTROL TRAVERSE 4

OCCUPIED POINT	BACK POINT	AHEAD POINT	MEAN HORIZ. DIST. (±.02')	MEAN HORIZ. ANG. RT. (±5")
SH 74 MP 0.65	SH 74 PK 51	SH 74 MP 0.85	790.72	96°02'36"
SH 74 MP 0.85	SH 74 MP 0.65	SH 74 MP 0.90	392.05	176°11'17"
SH 74 MP 0.90	SH 74 MP 0.85	SH 74 MP 1.00	860.69	219°46'59"
SH 74 MP 1.00	SH 74 MP 0.90	SH 74 MP 1.15	817.10	240°03'06"
SH 74 MP 1.15	SH 74 MP 1.00	SH 74 MP 1.20	274.82	204°59'19"
SH 74 MP 1.20	SH 74 MP 1.15	SH 74 MP 1.30	469.03	187°30'13"
SH 74 MP 1.30	SH 74 MP 1.20	SH 74 PK 13	335.82	355°57'09"
SH 74 PK 13	SH 74 MP 1.30	SH 74 PK 12	436.70	179°51'55"
SH 74 PK 12	SH 74 PK 13	SH 74 PK 11	774.28	151°02'04"
SH 74 PK 11	SH 74 PK 12	SH 74 PK 10	379.25	127°08'49"
SH 74 PK 10	SH 74 PK 11	SH 74 PK 9	356.01	167°27'14"
SH 74 PK 9	SH 74 PK 10	SH 74 PK 53	357.84	162°47'47"
SH 74 PK 53	SH 74 PK 9	SH 74 PK 52	603.40	165°16'31"
SH 74 PK 52	SH 74 PK 53	SH 74 PK 51	352.00	197°44'59"

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

NAD'83 GEODETIC COORDINATES

STATION	LATITUDE	LONGITUDE
53 JCMD	39°43'27.75860"	105°18'33.28119"
55 JCMD	39°41'32.39209"	105°19'43.27917"
I-70 MP 251.30	39°42'06.79818"	105°19'46.34562"
I-70 MP 251.35	39°42'12.62433"	105°19'46.22916"
I-70 MP 252.45	39°42'50.27624"	105°18'49.72062"
I-70 MP 251.55	39°42'52.03022"	105°18'42.63847"



MILE POST CONTROL MONUMENT (NUMBERS SUBSTITUTED FOR X'S)

COORDINATE SUMMARY TABLE (UNADJUSTED FIELD DATA)

(COORDINATES ARE ON AN ASSUMED DATUM)

POINT	NORTHING	EASTING	ELEV. (ft.)
I-70 MP 251.30	99845.05	99846.26	7707.28
I-70 MP 251.35	100434.80	99853.55	7729.64
I-70 MP 251.55	100623.78	100782.59	7748.67
I-70 MP 251.56	100938.15	100917.27	7754.34
I-70 MP 251.60	100925.27	101087.84	7760.28
I-70 MP 251.65	101129.41	101347.19	7761.98
I-70 MP 251.70	101471.67	101397.54	7755.31
I-70 MP 251.85	101806.63	102069.82	7723.54
I-70 MP 251.86	101876.44	101905.16	7725.37
I-70 MP 252.10	102717.83	103050.33	7668.08
I-70 MP 252.25	103234.42	103566.32	7671.96
I-70 MP 252.26	103520.56	103332.80	7661.80
I-70 MP 252.30	103515.05	103782.14	7658.59
I-70 MP 252.35	104012.76	103934.10	7653.43
I-70 MP 252.45	104259.89	104259.43	7659.20
I-70 MP 252.55	104439.24	104812.50	7656.92
SH 74 MP 0.20	98675.74	99291.00	7699.41
SH 74 MP 0.40	98869.39	98189.77	7753.22
SH 74 MP 0.65	98077.62	97074.34	7796.72
SH 74 MP 0.85	97325.19	97317.45	7803.54
SH 74 MP 0.90	96960.97	97462.52	7824.66
SH 74 MP 1.00	96142.71	97195.61	7792.55
SH 74 MP 1.15	95974.46	96396.02	7804.19
SH 74 MP 1.20	96036.77	96128.36	7810.96
SH 74 MP 1.30	96201.87	95689.34	7804.71
SH 74 PK 1	100000.00	100000.00	7714.14
SH 74 PK 2	98689.60	99186.45	7706.25
SH 74 PK 9	96843.75	97418.44	7814.03
SH 74 PK 10	96495.60	97344.04	7806.04
SH 74 PK 11	96150.81	97186.11	7791.70
SH 74 PK 12	95982.73	96430.29	7803.71
SH 74 PK 13	96106.23	96011.41	7812.61
SH 74 PK 50	98838.35	98224.71	7746.42
SH 74 PK 51	98119.25	97168.06	7781.08
SH 74 PK 52	97767.49	97181.03	7792.96
SH 74 PK 53	97200.14	97386.38	7808.56

BASIS OF BEARINGS: Bearings used in the calculation of coordinates are based on an assumed bearing of N 47°05'54" E from I-70 MP 251.85 to I-70 MP 252.10, as calculated from the centerline bearing of Structure F-15-CF over Interstate-70 from project I 70-3(33)253. I-70 MP 251.85 and I-70 MP 252.10 are described (in detail below).

▲ MP - Mile Post Control Monuments are set CDOT type 2 monuments, a 3-1/4" aluminum control monument cap (as shown) on a 3' X 3/4" finned aluminum rod on a 3' X 3/4" straight aluminum rod.

▲ PK - PK nails set in asphalt for traverse purposes.

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

NOTE: This control survey is for the use of Colorado Department of Transportation personnel. The survey is not a complete Boundary Survey. The rectification of the physical evidence located by the survey and shown on these sheets with the recorded documents and title descriptions was performed by others. Research into and depiction of Right-Of-Ways and easements was not requested on this project.

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.

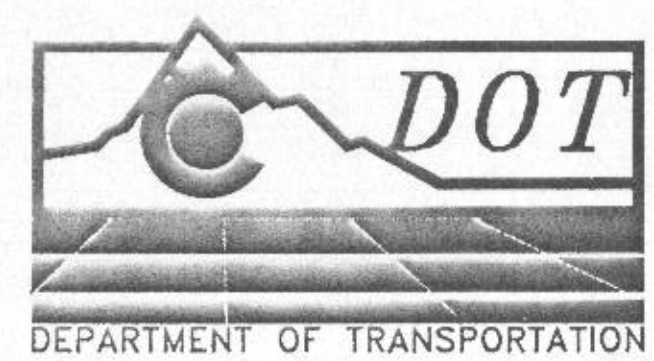
SURVEYORS STATEMENT: I, Joseph P. Conway, a Professional Land Surveyor in the State of Colorado, hereby state that this Survey Control Diagram was prepared under my supervision this June 1992 day of June 1992, from a field survey performed under my supervision from October 31, 1988 to December 17, 1991, 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 listed in the Colorado Department of Highways Survey Manual Chapter Three (Revised 7/1/89).



Joseph P. Conway 6-1-92
Joseph P. Conway L.S. 25618

1518 REC-92078624

COLORADO
DEPARTMENT OF
TRANSPORTATION
HIGHWAYS
FORM 126R
1992

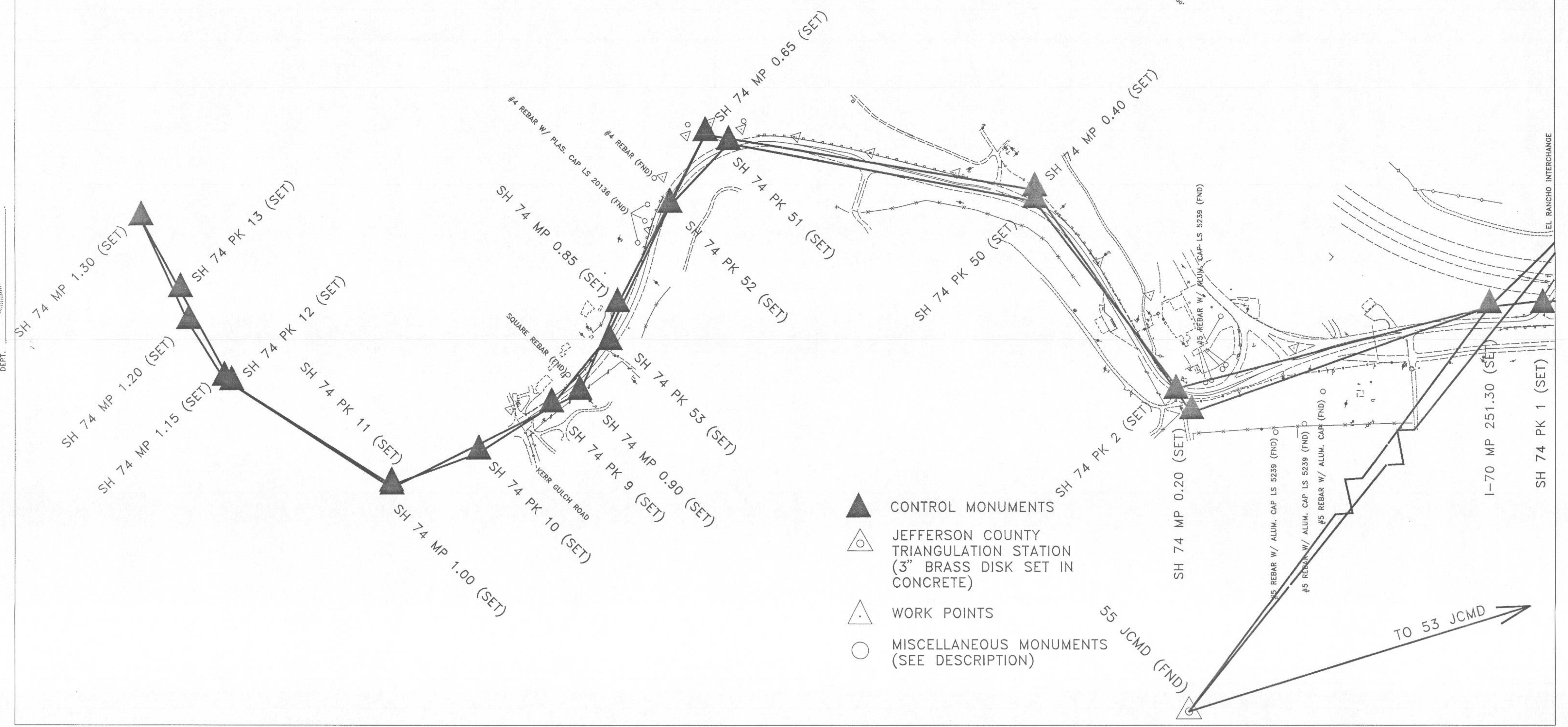
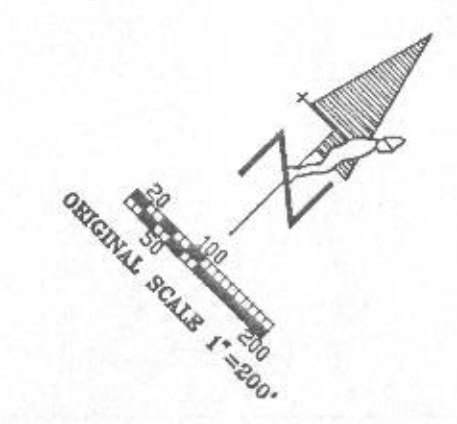


DEPARTMENT OF TRANSPORTATION — STATE OF COLORADO

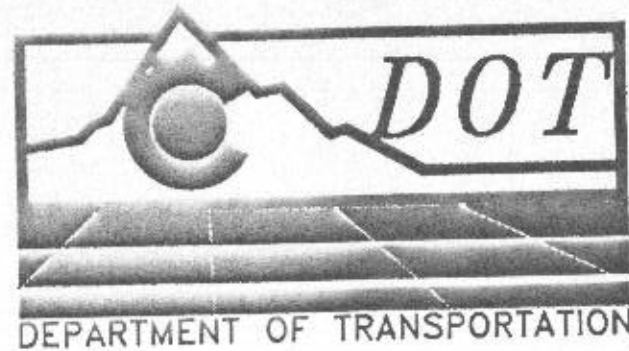
SURVEY CONTROL DIAGRAM

Projects IR[CX] 070-3(169) and FC[CX] 074-1(2)
Interstate 70 Milepost 251.3 to Milepost 252.6
SH 74 Milepost 0.0 to Milepost 1.0
El Rancho Interchange to Kerr Gulch
Secs. 10, 11, 15, 16, 21, T. 4 S., R. 71 W., 6th P.M.
Jefferson County, Colorado

FED. ROAD REGION	DIVISION	PROJ. NO.	SHEET NO.	SHEET TOTALS
VIII	COLO.	IR[CX] 070-3(169) FC[CX] 074-1(2)	2	4
RIGHT OF WAY				
REVISIONS				



- ▲ CONTROL MONUMENTS
- JEFFERSON COUNTY TRIANGULATION STATION (3" BRASS DISK SET IN CONCRETE)
- △ WORK POINTS
- MISCELLANEOUS MONUMENTS (SEE DESCRIPTION)

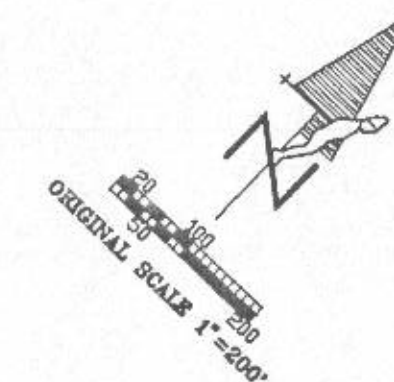


DEPARTMENT OF TRANSPORTATION - STATE OF COLORADO SURVEY CONTROL DIAGRAM

Projects IR[CX] 070-3(169) and FC[CX] 074-1(2)
Interstate 70 Milepost 251.3 to Milepost 252.6
SH 74 Milepost 0.0 to Milepost 1.0
El Rancho Interchange to Kerr Gulch
Secs. 10, 11, 15, 16, 21, T. 4 S., R. 71 W., 6th P.M.
Jefferson County, Colorado

FED. ROAD REGION	DIVISION	PROJ. NO.	SHEET NO.	SHEET TOTALS
VIII	COLO.	IR[CX] 070-3(169) FC[CX] 074-1(2)	3	4
REVISIONS				

RIGHT OF WAY



SIGNED
DEPT.
Survey

EL RANCHO INTERCHANGE

I-70 MP 251.35 (SET)

I-70 MP 251.30 (SET)

SH 74 PK 1 (SET)

I-70 MP 251.55 (SET)

I-70 MP 251.56 (SET)

I-70 MP 251.60 (SET)

I-70 MP 251.65 (SET)

I-70 MP 251.70 (SET)

I-70 MP 251.85 (SET)

I-70 MP 251.86 (SET)

I-70 MP 252.10 (SET)

R-O-W MARKER

R-O-W MARKER

I-70 MP 252.25 (SET)

CHIEF HOSA INTERCHANGE

I-70 MP 252.26 (SET)

I-70 MP 252.30 (SET)

I-70 MP 252.35 (SET)



CONTROL MONUMENTS



JEFFERSON COUNTY
TRIANGULATION STATION
(3" BRASS DISK SET IN
CONCRETE)



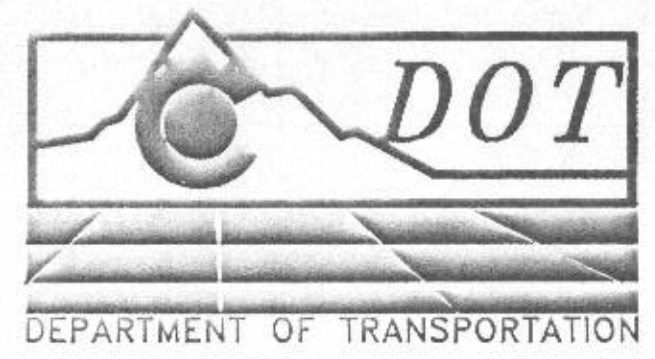
WORK POINTS



MISCELLANEOUS MONUMENTS
(SEE DESCRIPTION)

2 PG 20 REC# 92018627

COLORADO
DEPARTMENT OF
TRANSPORTATION
A 126R:
1992



DEPARTMENT OF TRANSPORTATION – STATE OF COLORADO

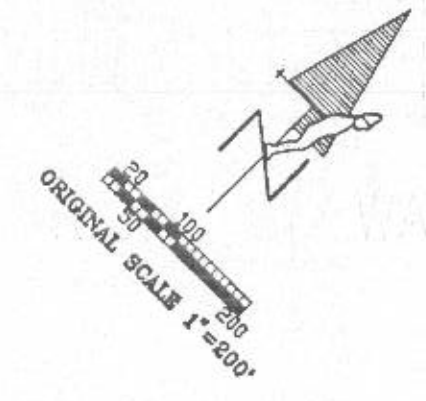
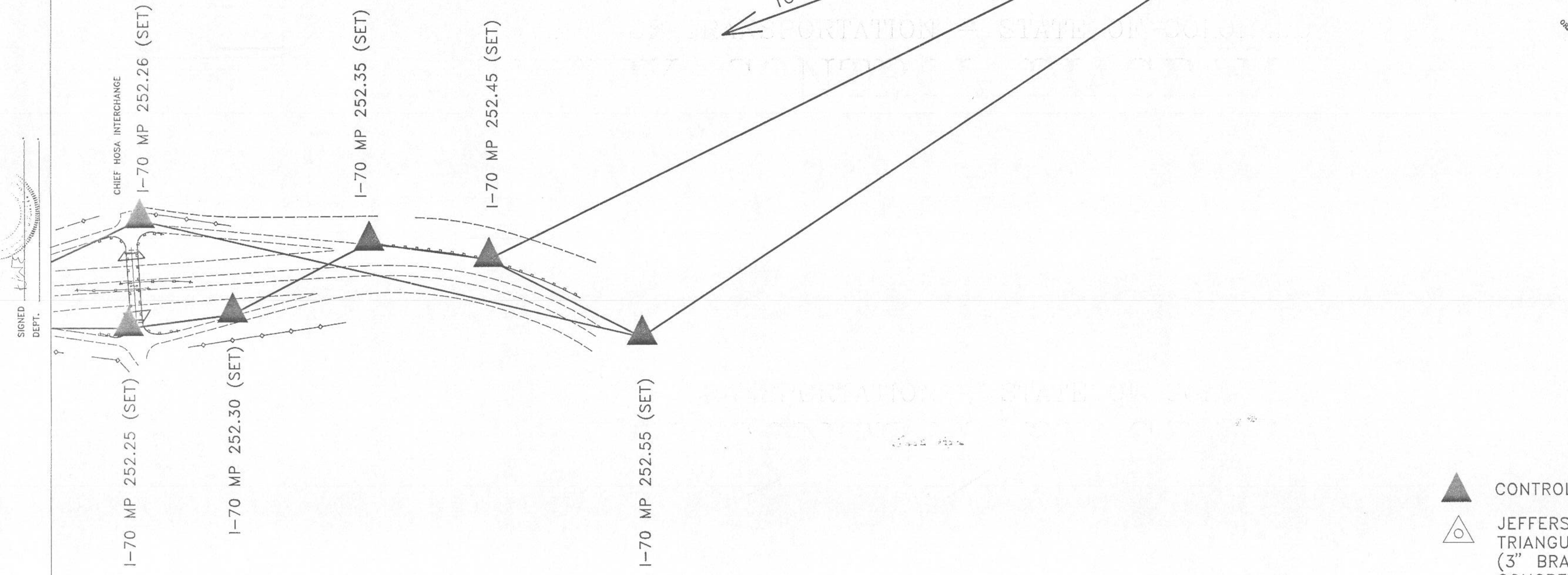
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FED. ROAD REGION	DIVISION	PROJ. NO.	SHEET NO.	SHEET TOTALS
VIII	COLO.	IR[CX] 070-3(169) FC[CX] 074-1(2)	4	4

RIGHT OF WAY

REVISIONS	



- CONTROL MONUMENTS
- JEFFERSON COUNTY TRIANGULATION STATION (3" BRASS DISK SET IN CONCRETE)
- WORK POINTS
- MISCELLANEOUS MONUMENTS (SEE DESCRIPTION)

SIGNED _____
DEPT. _____