

DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

RIGHT OF WAY PLAN OF PROPOSED FEDERAL AID PROJECT NO. RRS 0852-068 STATE HIGHWAY NO. 470 & 85 ARAPAHOE AND DOUGLAS COUNTIES RIGHT OF WAY

FED. ROAD REGION	DIVISION	PROJECT NUMBER	SHEET NUMBER
VIII	COLO.	RRS 0852-068	1
REVISIONS			

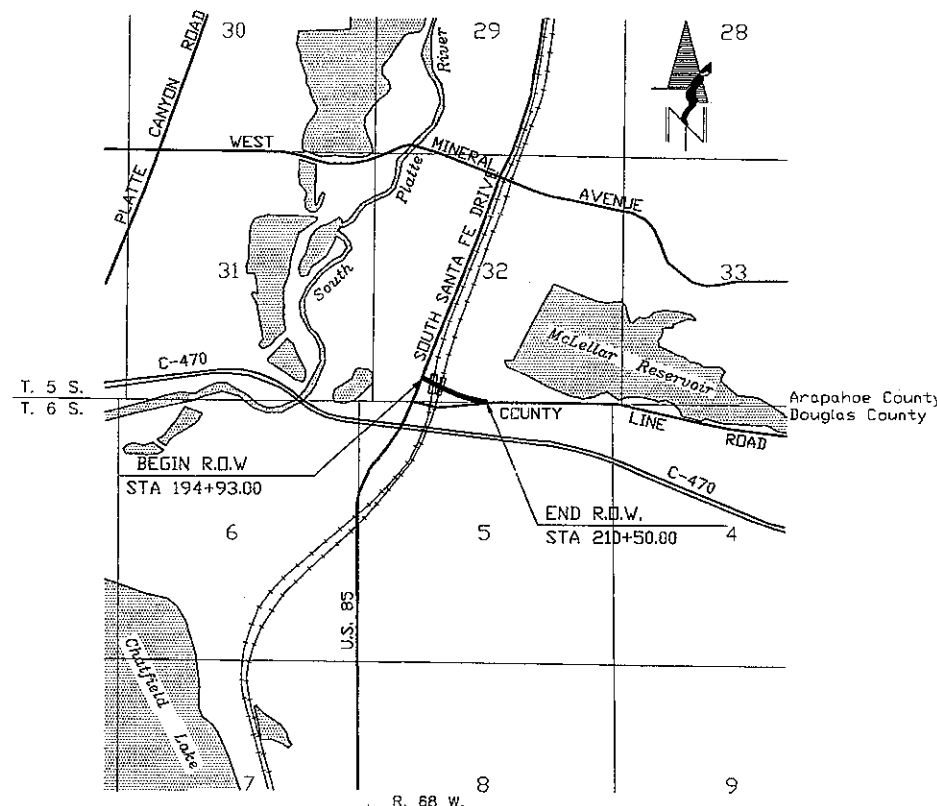
RIGHT OF WAY
COUNTY LINE ROAD AT
S. SANTA FE DRIVE

CONVENTIONAL SIGNS

County Line	
Township or Range Line	
Land Lines	Section Line 1/4 Section Line 1/16 Section Line
Property or Tract Line	
City Limits	
Railroad	
Existing Road	
New Road	
Control of Access	
Access denied by Deed	
Right of Way Line	
Protected by Freeway(Virgin Location)	
Top of Cuts	
Toe of Fills	
Barbed Wire Fence	
Chain Link Fence	
Woven Wire-Combination Fence	
Snow Fence	
Wood Fence	
Deer Fence	
Trees	Deciduous Coniferous
Tel. & Teleg. Lines	Exist. New Relocated To be Removed
Electric Lines	Exist. New Relocated To be Removed
Elec. Trans. Tower	Exist. New Relocated To be Removed
Buried Tel. Cable	Exist. New
Buried Electric Cable	Exist. New
Gas Main	6" Exist. 6" New
Oil Main	10" Exist. 10" New
Water Main	4" Exist. 4" New
Sanitary Sewers	12" Exist. 12" New
Storm Sewers	12" Exist. 12" New
Road Approaches	New Existing
Section Corner	Center of Section
Culverts & Drains	Proposed Existing
Bridges	Existing (To be dashed)

SCALES OF ORIGINAL DRAWINGS

PLAN SHEETS 1" = 100'
OWNERSHIP MAP 1" = 200'
R.O.W. LENGTH OF PROJECT = 0.295 MI.



SCALE IN MILES
ORIGINAL SCALE 1" = 1 MILE

VICINITY MAP

BASIS OF BEARINGS: BEARINGS ARE REFERENCED TO THE GRID BEARING BETWEEN THE SOUTH QUARTER CORNER OF SECTION 32 AND THE SOUTHWEST CORNER OF SECTION 32, TOWNSHIP 5 SOUTH, RANGE 68 WEST, 6TH P.M., AS DETERMINED BY GLOBAL POSITIONING SYSTEMS METHODOLOGY. THE SOUTH QUARTER CORNER IS A 2-1/2" ALUMINUM CAP (ILLEGIBLE), AND THE SOUTHWEST CORNER IS A CDOT TYPE 3A MONUMENT IN A SURVEY BOX STAMPED "PLS 25384" THE GRID BEARING BETWEEN THESE MONUMENTS IS S89°48'39"W.

DATE: 12-12-95
SUBACCOUNT: 10810
REGION: 6

INDEX OF SHEETS

- 1 TITLE SHEET
- 2 TABULATION OF PROPERTIES SHEET
- 3 CONTROL AND MONUMENTATION SHEET
- 3A,3B,3C SURVEY CONTROL DIAGRAM
- 4,5 PLAN SHEET
- 6 OWNERSHIP MAP

DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
AUTHORIZED	DATE
DIVISION ADMINISTRATOR	

SECTION 32, TOWNSHIP 5 SOUTH, RANGE 68 WEST, 6TH P.M.
SECTION 5, TOWNSHIP 6 SOUTH, RANGE 68 WEST, 6TH P.M.

FEDERAL RD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	RRS 0852-068	2	

RIGHT-OF-WAY
COUNTY LINE ROAD AT
S. SANTA FE DRIVE

REVISIONS			

R.O.W. TABULATION OF PROPERTIES IN ARAPAHOE & DOUGLAS COUNTIES SH. 470

PROJ. RRS 0852-068

[illegible]

COUNTY LINE ROAD RR GRADE SEPARATION				
TABULATION SHEET				
DATE	PROJECT NO.	DESIGNED BY	SHEET NO.	DRAWING NO.
9-5-95	JF9518	R.S. DRAWN BY CHECKED BY	OF	
		R.S. DPW	SFFTS	

DATE	PROJECT NO.	DESIGNED BY <u>RLS</u>	SHEET NO. _____	DRAWING NO.
9-5-95	JF9518	DRAWN BY <u>RLS</u>		
		CHECKED BY <u>DPW</u>	OF _____ SHEETS	

CONTROL AND MONUMENTATION SHEET

FEDERAL RD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	RRS 0852-068	3	

RIGHT-OF-WAY
COUNTY LINE ROAD AT
S. SANTA FE DRIVE

REVISIONS		

TYPE 1 MONUMENTS
TABULATION OF R.O.W. MARKERS TO BE SET

PT. NO. ○	COORDINATES	
	NORTH	EAST
512	632183.75	133207.71
515	632461.76	133190.75
517	632594.04	133209.75
524	633527.64	133620.23
526	633111.73	133402.08
527	633243.99	133452.46
544	632455.84	133240.41
801	631964.09	134439.17
803	632151.87	133363.22
811	632002.72	134124.54
812	631897.00	134306.03
815	631747.90	133272.59
820	632174.74	133262.68
823	632180.18	133156.94
848	632016.36	133793.83
854	632009.60	133871.69
862	631861.87	133950.32
870	632782.88	133399.39
872	633460.17	133595.73
874	633546.41	133567.51

TABULATION OF EXISTING CONTROL

PT. NO. △	COORDINATES		DESCRIPTION
	NORTH	EAST	
50	628983.751	131676.053	3-1/4" BRASS CAP (LAND CORNER) BLM
51	629008.235	134361.452	3-1/4" BRASS CAP (LAND CORNER) BLM
62	634570.380	134534.105	3" BRASS CAP (LAND CORNER) LS 16398
65	637190.157	131918.606	UPGRADED TO CDOT TYPE 3A MONUMENT PLS 25384
501	631757.564	133156.885	1-1/4" YELLOW CAP KSA LS 25951
502	631467.369	133056.040	1-1/4" YELLOW CAP KSA LS 25951
507	631923.959	133310.739	1-1/2" ALUM. CAP LS 2149
509	631923.234	133176.636	1-1/4" YELLOW CAP KSA LS 25951
510	631923.075	133126.289	1-1/4" YELLOW CAP KSA LS 25951
512	632183.752	133207.713	1-1/4" YELLOW CAP KSA LS 25951
513	632097.542	133350.933	1-1/4" RED CAP MERRICK CO PLS 13155
515	632461.757	133190.751	1-1/4" YELLOW CAP KSA LS 25951
517	632594.035	133209.749	1-1/4" YELLOW CAP KSA LS 25951
523	633494.421	133713.619	CL 4" VERTICAL RAIL 2' ABOVE GROUND
524	633527.642	133620.233	CL 4" VERTICAL RAIL 2' ABOVE GROUND
525	633536.046	133596.470	CL 4" VERTICAL RAIL 2' ABOVE GROUND
526	633111.727	133402.081	1-1/4" YELLOW CAP KSA LS 25951
527	633243.990	133452.462	1-1/4" YELLOW CAP KSA LS 25951
529	632657.295	134526.684	1-1/4" RED CAP MERRICK CO LS 13155
530	632153.399	135313.027	1-1/4" RED CAP MERRICK CO LS 13155
531	631960.483	135313.790	1-1/4" RED CAP MERRICK CO LS 13155
532	631961.230	135514.120	1-1/4" RED CAP MERRICK CO LS 13155
533	631927.714	134523.586	2-1/2" ALUM. CAP (LAND CORNER) ILLEGIBLE
534	631927.615	134391.231	1-3/4" BRASS CAP (LAND CORNER) ILLEGIBLE
535	631931.213	135514.002	NO. 4 REBAR .3FT BELOW ASPHALT
536	631919.013	131889.428	UPGRADED TO CDOT TYPE 3A MONUMENT PLS 25384
537	631918.162	131734.340	UPGRADED TO CDOT TYPE 3A MONUMENT PLS 25384
540	632781.377	133504.497	1-1/2" ALUM. CAP LS 2149
541	633243.717	133195.129	1-1/4" RED CAP MERRICK CO LS 2853
542	631987.122	132717.793	NO 4 REBAR 1.0FT BELOW GROUND SURFACE
543	631922.964	133027.287	3-1/4" BRASS CAP STATE HWY ROW MKR STA 140+98.75
544	632455.841	133240.412	1-1/4" YELLOW CAP KSA LS 25951

NOTES

- THIS RIGHT-OF-WAY PLAN IS NOT A COMPLETE BOUNDARY SURVEY OF ALL ADJOINING OWNERS, AND IS PREPARED FOR COLORADO DEPARTMENT OF TRANSPORTATION PURPOSES ONLY.
- SURVEY CONTROL POINTS ARE SET WITH A HIGHER DEGREE OF ACCURACY THAN RIGHT-OF-WAY MARKERS. SEE SURVEY CONTROL DIAGRAM FOR LOCATION OF SURVEY CONTROL POINTS.
- 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 CERTIFICATION SHOWN HEREON.
- ALL RIGHT-OF-WAY MARKERS WILL BE SET FROM SURVEY CONTROL POINTS.
- ALL COORDINATES LISTED ARE PROJECT COORDINATES ONLY. SEE SURVEY CONTROL DIAGRAM FOR INFORMATION REGARDING THE BASIS OF BEARINGS.
- FIELD SURVEY CONTROL PRECISION COMPUTED TO EXCEED 1/100,000. SEE SURVEY CONTROL DIAGRAM.
- J.F. SATO & ASSOCIATES RELIED ON SECURITY TITLE GUARANTY COMPANY, 5995 GREENWOOD PLAZA BLVD., GREENWOOD VILLAGE, CO 80111-4710, FOR INFORMATION REGARDING RECORDED RIGHTS-OF-WAY, EASEMENTS, AND MEMORANDUM OF OWNERSHIP.
- EXISTING POINTS DESCRIPTIONS RECORDED IN JFSA FIELD BOOKS 178 AND 192 AND CDOT BOOKS 55W ALIQUOT, 60BB CONTROL, ON FILE WITH CDOT DISTRICT 6 ROW SURVEYOR.
- PROJECT BM: TBM 941302-C470, PER IMPROVEMENT SURVEY PLAT PREPARED BY KELLY SURVEYING ASSOCIATES, INC. (NOT YET RECORDED). 3-1/4" BRASS CAP IN W. RR BRIDGE 7.0' S. OF N. END OVER C-470, 5.0' W. OF W. RAIL IN CONC. APRON. ELEVATION = 5425.41.

MONUMENTS STRADDLED BY JFSA TO BE RESET
OR UPGRADED AFTER CONSTRUCTION (BY OTHERS)

PT. NO. △	COORDINATES		DESCRIPTION
	NORTH	EAST	
533	631927.714	134523.586	SOUTH 1/4 CORNER SECTION 32, T5S, R68W
534	631927.615	134391.231	NORTH 1/4 CORNER SECTION 5, T6S, R68W

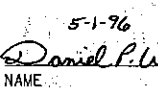
SURVEYOR'S CERTIFICATE (FIELD)

ROW MONUMENTATION WAS DONE
UNDER MY SUPERVISION AND CHECKING.

NAME  PLS# 23516

SURVEYOR'S CERTIFICATE (OFFICE)

ROW PLANS AND PROPERTY DESCRIPTIONS WERE
PREPARED UNDER MY SUPERVISION AND CHECKING.

5-1-96
NAME  PLS# 25384

QUANTITY OF MONUMENTS TO BE SET								
CAP TYPE	MONUMENT TYPE							
	1	1A	2	2A	3	3A	4	5
REFERENCE								
RIGHT OF WAY	20							
CONTROL								
ALIQUOT CORNER						2		
WITNESS POST								



J.F. SATO AND ASSOCIATES
Consulting Engineers
Project Managers, Planners & Surveyors
5898 So. Rapp St. • Littleton, CO 80120 • (303) 797-1200

COUNTY LINE ROAD RR GRADE SEPARATION
CONTROL AND MONUMENTATION

DATE	PROJECT NO.	DESIGNED BY	SHEET NO.	DRAWING NO.
9-5-95	JF9518	RLS CHECKED BY DEW	OF SHEETS	

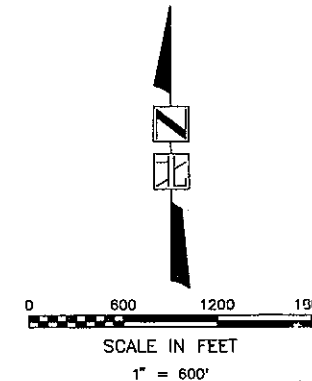
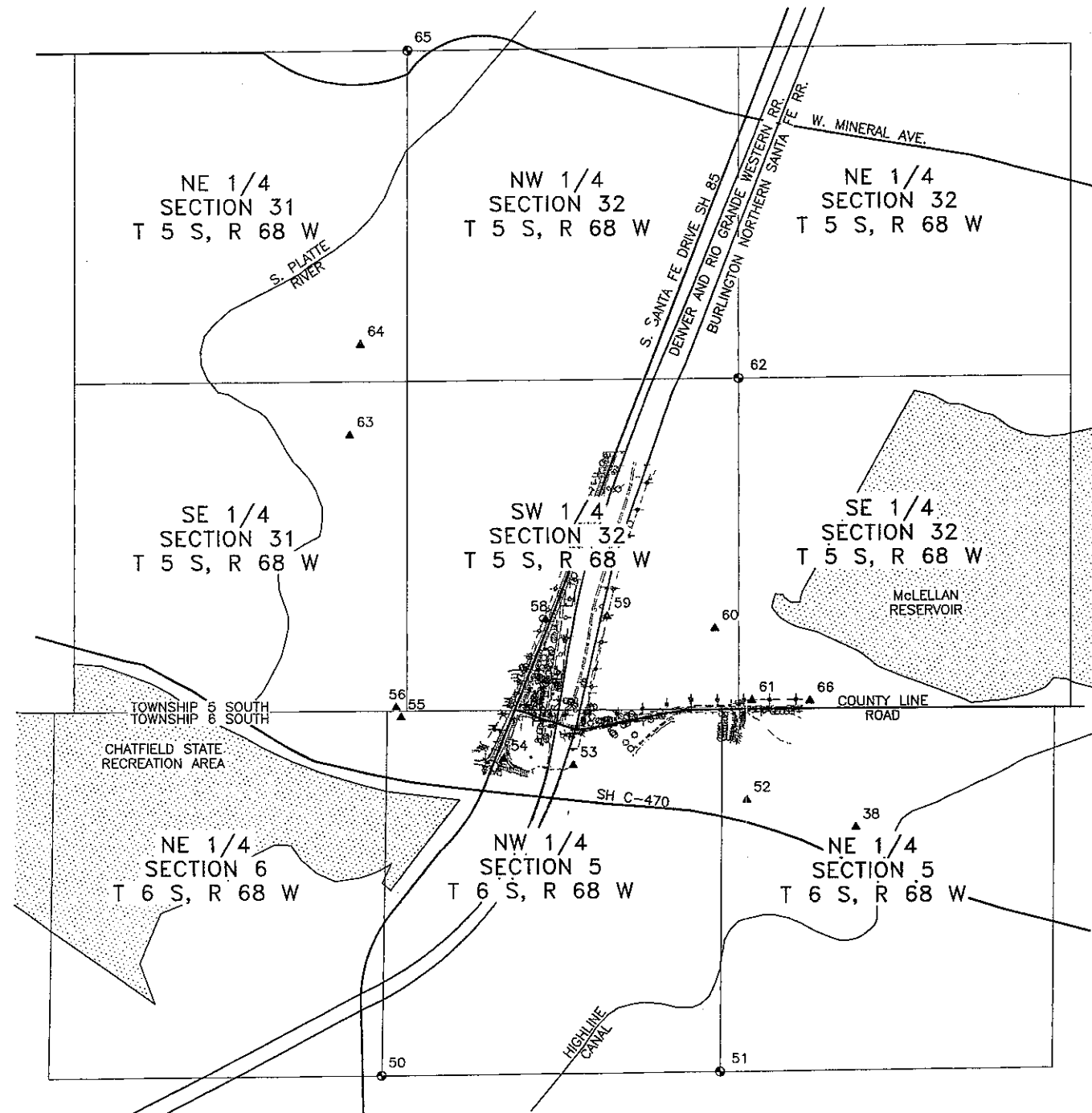
SURVEY CONTROL DIAGRAM

FOR THE COLORADO DEPARTMENT OF TRANSPORTATION, REGION 6
COUNTY LINE ROAD RR GRADE SEPARATION
CDOT PROJECT NUMBER RRS 0852-068 SUBACCOUNT 10810
LYING IN SECTIONS 31 AND 32, TOWNSHIP 5 SOUTH, RANGE 68 WEST,
SECTIONS 5 AND 6, TOWNSHIP 6 SOUTH, RANGE 68 WEST,
OF THE 6TH PRINCIPAL MERIDIAN
ARAPAHOE AND DOUGLAS COUNTIES, STATE OF COLORADO

COUNTY LINE ROAD
RR GRADE SEPARATION

FEDERAL RD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	RRS 0852-068		

REVISIONS



CDOT -- DENVER METRO AREA GPS GEODETIC CONTROL SYSTEM
GRS80 ELLIPSOID NAD83(1991), ADJUSTMENT: CDOT94_C 12-7-94
COLORADO CENTRAL ZONE STATE PLANE COORDINATES (METERS)

SURVEY CONTROL FROM FAST STATIC GPS OBSERVATIONS

PT #	DESCRIPTION	NORTHING	EASTING	ELEVATION	ELLIPSE HEIGHT	GRID SCALE	CONVERGENCE
* 2	3.071028 MINERAL	499527.983	955411.828		1628.437	0.9999717	0° 18' 03.91"
38	GPS 470-4	496976.585	955408.818		1670.080	0.9999684	0° 18' 03.48"
50	W 1/4 SEC 5, T6S, R68W	496370.933	954259.343		1645.852	0.9999677	0° 17' 33.03"
51	C 1/4 SEC 5, T6S, R68W	496378.393	955077.616		1681.327	0.9999677	0° 17' 54.65"
52	3.085032	497044.187	955145.463	1674.544	1658.219	0.9999685	0° 17' 56.53"
53	3.084034	497129.955	954724.599	1657.338	1641.016	0.9999686	0° 17' 45.42"
54	3.084035	497146.031	954556.527	1650.047	1633.743	0.9999686	0° 17' 40.98"
55	3.083040	497249.407	954310.692		1622.897	0.9999688	0° 17' 34.50"
56	3.083041	497274.370	954298.986		1622.372	0.9999688	0° 17' 34.20"
58	3.082035	497489.740	954658.909	1645.993	1629.651	0.9999691	0° 17' 43.74"
59	3.081034	497497.836	954807.940	1635.579	1639.244	0.9999691	0° 17' 47.68"
60	3.082033	497466.775	955069.773	1679.713	1663.356	0.9999690	0° 17' 54.59"
61	3.083032	497289.677	955159.223	1656.264	1656.264	0.9999688	0° 17' 56.93"
62	C 1/4 SEC 32, T5S, R68W	496073.246	955130.225		1626.640	0.9999698	0° 17' 56.27"
63	3.079041	497936.603	954188.678		1618.835	0.9999697	0° 17' 31.37"
64	3.078041	498157.899	954215.618		1617.514	0.9999699	0° 17' 32.11"
65	COR 29-30-31-32 T5S, R68W	498871.523	954333.251		1616.044	0.9999709	0° 17' 35.32"
*516	3.080077 KNOLLS	497884.631	950262.557		1676.218	0.9999696	0° 15' 47.62"

* DENOTES EXISTING CDOT REGIONAL CONTROL USED (NOT SHOWN)

SYMBOL KEY

- ▲ SURVEY CONTROL POINT
- FOUND ALIQUOT CORNER
- FOUND PROPERTY/R.O.W. CONTROL

COUNTY LINE ROAD RR GRADE SEPARATION
SURVEY CONTROL DIAGRAM

DATE	PROJECT NO.	DESIGNED BY	SHEET NO.	DRAWING NO.
04-16-96	JF9518	RLS	1	
		CHECKED BY	DPW	



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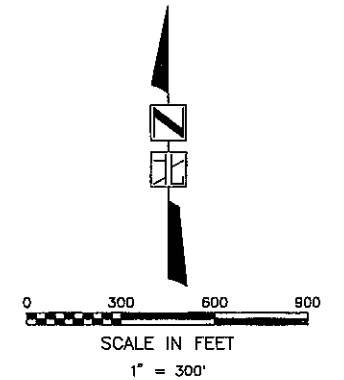
SURVEY CONTROL DIAGRAM

FOR THE COLORADO DEPARTMENT OF TRANSPORTATION, REGION 6
COUNTY LINE ROAD RR GRADE SEPARATION
CDOT PROJECT NUMBER RRS 0852-068 SUBACCOUNT 10810
LYING IN SECTIONS 31 AND 32, TOWNSHIP 5 SOUTH, RANGE 68 WEST,
SECTIONS 5 AND 6, TOWNSHIP 6 SOUTH, RANGE 68 WEST,
OF THE 6TH PRINCIPAL MERIDIAN
ARAPAHOE AND DOUGLAS COUNTIES, STATE OF COLORADO

COUNTY LINE ROAD
RR GRADE SEPARATION

FEDERAL RD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	RRS 0852-068		

REVISIONS



NE 1/4
SECTION 31
T 5 S, R 68 W

NW 1/4
SECTION 32
T 5 S, R 68 W

NE 1/4
SECTION 32
T 5 S, R 68 W

SE 1/4
SECTION 31
T 5 S, R 68 W

SW 1/4
SECTION 32
T 5 S, R 68 W

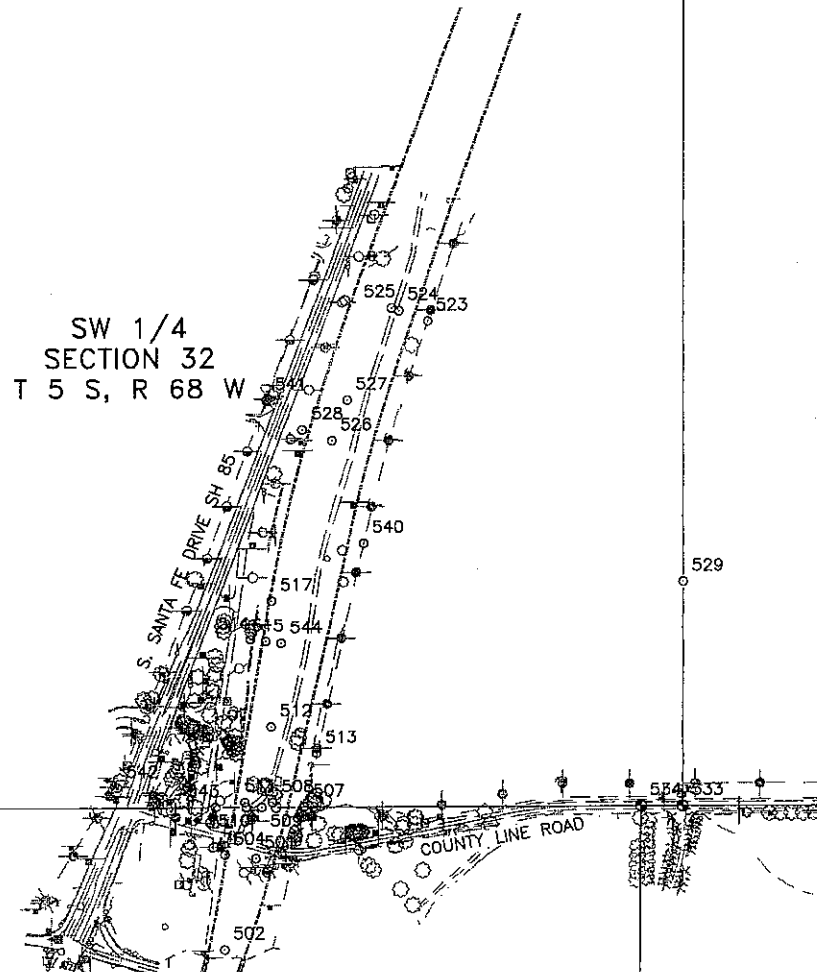
SE 1/4
SECTION 32
T 5 S, R 68 W

TOWNSHIP 5 SOUTH
TOWNSHIP 6 SOUTH

NE 1/4
SECTION 6
T 6 S, R 68 W

NW 1/4
SECTION 5
T 6 S, R 68 W

NE 1/4
SECTION 5
T 6 S, R 68 W



SYMBOL KEY

- ▲ SURVEY CONTROL POINT
- FOUND ALIQUOT CORNER
- FOUND PROPERTY/R.O.W. CONTROL

COUNTY LINE ROAD RR GRADE SEPARATION

SURVEY CONTROL DIAGRAM



J.F. SATO AND ASSOCIATES
Consulting Engineers
Project Managers, Planners & Surveyors
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DATE	PROJECT NO.	DESIGNED BY	SHEET NO.	DRAWING NO.
10-03-95	JF9518	BLA CHECKED BY: RBE	2 OF 3 SHEETS	

SURVEY CONTROL DIAGRAM

FOR THE COLORADO DEPARTMENT OF TRANSPORTATION, REGION 6
COUNTY LINE ROAD RR GRADE SEPARATION
CDOT PROJECT NUMBER RRS 0852-068 SUBACCOUNT 10810
LYING IN SECTIONS 31 AND 32, TOWNSHIP 5 SOUTH, RANGE 68 WEST,
SECTIONS 5 AND 6, TOWNSHIP 6 SOUTH, RANGE 68 WEST,
OF THE 6TH PRINCIPAL MERIDIAN
ARAPAHOE AND DOUGLAS COUNTIES, STATE OF COLORADO

FEDERAL RD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	RRS 0852-068		

COUNTY LINE ROAD RR GRADE SEPARATION

REVISIONS

GENERAL NOTES:

- THIS CONTROL SURVEY IS FOR THE USE OF THE COLORADO DEPARTMENT OF TRANSPORTATION. THIS SURVEY IS NOT A COMPLETE BOUNDARY SURVEY.
- NO GUARANTEE AS TO THE ACCURACY OF THE INFORMATION CONTAINED ON THIS DIAGRAM IS EITHER STATED OR IMPLIED UNLESS THIS COPY BEARS AN ORIGINAL SIGNATURE OF THE REGISTERED LAND SURVEYOR HEREON NAMED.
- NOTICE: ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVERED SUCH DEFECT. IN NO EVENT, MAY ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THE DATE OF THE CERTIFICATION SHOWN HEREON.
- THE GPS FIELD WORK WAS PERFORMED BY JFSA FIELD CREWS ON MARCH 21, 1995. STATE PLANE VALUES LISTED ON THE PRIMARY CONTROL WERE DETERMINED BY FAST STATIC GPS OBSERVATIONS. FAST-STATIC GPS DATA WAS REDUCED BY JFSA, BASED ON THE CDOT ADJUSTMENT: CDOT94.C
- PRIMARY SURVEY CONTROL PRECISION (FAST STATIC GPS AND CONVENTIONAL METHODS) COMPUTED TO EXCEED COLORADO DEPARTMENT OF TRANSPORTATION MINIMUM HORIZONTAL CONTROL TOLERANCE FOR TYPE A SURVEY (± 0.10 FEET AT 95% CERTAINTY).
- CONVERSION OF STATE PLANE COORDINATES TO PROJECT SPECIFIC DATUM PLANE COORDINATES WAS MADE USING 1.000290726 AS AN AVERAGED RECIPROCAL COMBINED FACTOR.
- TOPOGRAPHIC AND NATURAL FEATURES SHOWN ON THIS DOCUMENT ARE FOR ORIENTATION PURPOSES ONLY.
- MONUMENT RECORDS HAVE BEEN FILED PER COLORADO REVISED STATUTES 38-53-103.
- BASIS OF BEARINGS: BEARINGS ARE REFERENCED TO THE GRID BEARING BETWEEN POINTS #533, A 2-1/2" ALUM. CAP, AND #536, AS A CDOT TYPE 3A MONUMENT, AS DETERMINED BY GLOBAL POSITIONING SYSTEM METHODS. THE LINE BETWEEN THE TWO MONUMENTS BEARS S 89° 48' 39" W.
- BASIS OF ELEVATIONS: ELEVATIONS ARE BASED ON TBM 941302-C470, HAVING AN ELEVATION OF 5425.41 FEET. THE TBM IS A 3-1/4" BRASS CAP IN THE WEST RAILROAD BRIDGE OVER C-470. THE POINT IS 7.0' SOUTH OF THE NORTH END OF THE BRIDGE AND 5.0' WEST OF THE WEST RAIL IN THE CONCRETE APRON. THIS DATUM IS BASED ON AN IMPROVEMENT SURVEY PLAT BY KELLY SURVEYING ASSOCIATES, INC. TO BE RECORDED AT A LATER DATE.

SURVEYOR'S CERTIFICATION

I, DANIEL P. WILMETH, A REGISTERED LAND SURVEYOR IN THE STATE OF COLORADO, HEREBY CERTIFY THAT THE FIELD WORK, AS WELL AS, THIS SURVEY CONTROL DIAGRAM WERE DONE BY ME, OR UNDER MY DIRECT RESPONSIBILITY, SUPERVISION, AND CHECKING, FOR AND ON BEHALF OF THE COLORADO DEPARTMENT OF TRANSPORTATION, REGION NO. 6.

5-9-96
Daniel P. Wilmeth

DANIEL P. WILMETH, P.L.S. # 25384

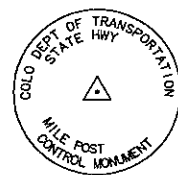
SET AND FOUND LOCAL SURVEY CONTROL MONUMENTS PROJECT SPECIFIC MODIFIED DATUM PLANE COORDINATES (US SURVEY FEET)

PT #	NORTHING	EASTING	ELEVATION	CDOT BOOK & PAGE	DESCRIPTION / SERIAL I.D.
2	639344.517	135458.266			FND CDOT TYPE 2A MONUMENT / 3.071028 MINERAL
38	630971.367	135448.388			FND CDOT TYPE 2A MONUMENT / GPS 470-4
52	631193.230	134584.112	5493.90	CONTROL 55W PG. 14	SET CDOT TYPE 2 MONUMENT / 3.085032
53	631474.702	133202.925	5437.45	CONTROL 55W PG. 14	SET CDOT TYPE 2 MONUMENT / 3.084034
54	631527.457	132651.348	5413.53	CONTROL 55W PG. 15	SET CDOT TYPE 2 MONUMENT / 3.084035
55	631866.717	131844.571		JFSA BK 17B PG. 9	SET CDOT TYPE 2 MONUMENT / 3.083040
56	631948.640	131806.153			SET CDOT TYPE 2 MONUMENT / 3.083041
58	632655.437	132987.345	5400.23	CONTROL 55W PG. 16	SET CDOT TYPE 2 MONUMENT / 3.082035
59	632682.007	133476.432	5431.68	CONTROL 55W PG. 22	SET CDOT TYPE 2 MONUMENT / 3.081034
60	632580.072	134335.715	5510.86	CONTROL 55W PG. 18	SET CDOT TYPE 2 MONUMENT / 3.082033
61	631998.875	134629.271	5484.26	CONTROL 55W PG. 17	SET CDOT TYPE 2 MONUMENT / 3.083032
63	634121.947	131444.146		CONTROL 55W PG. 20-21	SET CDOT TYPE 2 MONUMENT / 3.079041
64	634848.195	131532.559		CONTROL 55W PG. 20-21	SET CDOT TYPE 2 MONUMENT / 3.078041
66	631992.464	135088.645		CONTROL 55W PG. 23	SET CDOT TYPE 2 MONUMENT / 3.083030
516	633951.388	118559.453			FND CDOT TYPE 2A MONUMENT / 3.080077 KNOLLS

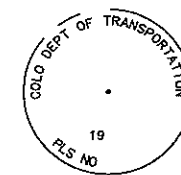
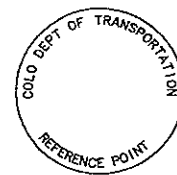
FOUND/UPGRADED PROPERTY/R.O.W. MONUMENTS PROJECT SPECIFIC MODIFIED DATUM PLANE COORDINATES (US SURVEY FEET)

PT #	NORTHING	EASTING	FIELD BOOK & PAGE	DESCRIPTION
50	628983.751	131676.053		3-1/4" BRASS CAP (LAND CORNER) BLM
51	629008.235	134361.452		3-1/4" BRASS CAP (LAND CORNER) BLM
62	634570.380	134534.105		3" BRASS CAP (LAND CORNER) LS 16398
65	637190.157	131918.606	JFSA BK 17B PG. 20	UPGRADED TO CDOT TYPE 3A MONUMENT PLS 25384
501	631757.564	133156.885	JFSA BK 192 PG. 14	1-1/4" YELLOW CAP KSA LS 25951
502	631467.369	133056.040	JFSA BK 192 PG. 14	1-1/4" YELLOW CAP KSA LS 25951
504	631769.393	133057.548	JFSA BK 192 PG. 14	1-1/4" YELLOW CAP KSA 'S 25951
507	631923.959	133310.739	JFSA BK 192 PG. 15	1-1/2" ALUM. CAP LS 21.9
508	631938.796	133212.364	JFSA BK 192 PG. 15	CL 4" VERTICAL RAIL 2.5' ABOVE GROUND
509	631923.234	133176.636	JFSA BK 192 PG. 15	1-1/4" YELLOW CAP KSA LS 25951
510	631923.075	133126.289	JFSA BK 192 PG. 15	1-1/4" YELLOW CAP KSA LS 25951
511	631939.308	133122.123	JFSA BK 192 PG. 15	CL 4" VERTICAL RAIL 1.3' ABOVE GROUND
512	632183.752	133207.713	JFSA BK 192 PG. 15	1-1/4" YELLOW CAP KSA LS 25951
513	632097.542	133350.933	JFSA BK 192 PG. 15	1-1/4" RED CAP MERRICK CO PLS 13155
514	632467.798	133141.183	JFSA BK 192 PG. 16	1-1/4" YELLOW CAP KSA LS 25951
515	632461.757	133190.751	JFSA BK 192 PG. 16	1-1/4" YELLOW CAP KSA LS 25951
517	632594.035	133209.749	JFSA BK 192 PG. 16	1-1/4" YELLOW CAP KSA LS 25951
523	633494.421	133713.619	JFSA BK 192 PG. 16	CL 4" VERTICAL RAIL 2' ABOVE GROUND
524	633527.642	133620.233	JFSA BK 192 PG. 16	CL 4" VERTICAL RAIL 2' ABOVE GROUND
525	633536.046	133596.470	JFSA BK 192 PG. 16	CL 4" VERTICAL RAIL 2' ABOVE GROUND
526	633111.727	133402.081	JFSA BK 192 PG. 16	1-1/4" YELLOW CAP KSA LS 25951
527	633243.990	133452.462	JFSA BK 192 PG. 16	1-1/4" YELLOW CAP KSA LS 25951
528	633147.367	133308.718	JFSA BK 192 PG. 16	1-1/4" YELLOW CAP KSA LS 25951
529	632657.295	134526.684	JFSA BK 192 PG. 17	1-1/4" RED CAP MERRICK CO LS 13155
530	632153.399	135313.027	JFSA BK 192 PG. 17	1-1/4" RED CAP MERRICK CO LS 13155
531	631960.483	135313.790	JFSA BK 192 PG. 17	1-1/4" RED CAP MERRICK CO LS 13155
532	631961.230	135514.120	JFSA BK 192 PG. 17	1-1/4" RED CAP MERRICK CO LS 13155
533	631927.714	134523.586	JFSA BK 17B PG. 21	2-1/2" ALUM. CAP (LAND CORNER) ILLEGIBLE
534	631927.615	134391.231	JFSA BK 17B PG. 21	1-3/4" BRASS CAP (LAND CORNER) ILLEGIBLE
535	631931.213	135514.002	JFSA BK 192 PG. 17	NO. 4 REBAR .3FT BELOW ASPHALT
536	631919.013	131889.428	JFSA BK 192 PG. 23	UPGRADED TO CDOT TYPE 3A MONUMENT PLS 25384
537	631918.162	131734.340	JFSA BK 17B PG. 9	UPGRADED TO CDOT TYPE 3A MONUMENT PLS 25384
540	632781.377	133504.497	JFSA BK 192 PG. 16	1-1/2" ALUM. CAP LS 2149
541	633243.717	133195.129	JFSA BK 192 PG. 18	1-1/4" RED CAP MERRICK CO LS 2853
542	631987.122	132717.793	JFSA BK 192 PG. 18	NO 4 REBAR 1.0FT BELOW GROUND SURFACE
543	631922.964	133027.287	JFSA BK 192 PG. 18	3-1/4" BRASS CAP STATE HWY ROW MKR STA 140+98.75
544	632455.841	133240.412	JFSA BK 192 PG. 16	1-1/4" YELLOW CAP KSA LS 25951

QUANTITY OF MONUMENTS SET									
CAP TYPE	MONUMENT TYPE								
	1	1A	2	2A	3	3A	4	5	
REFERENCE	19								1
RIGHT OF WAY									
CONTROL			12						
ALIQUOT CORNER									
WITNESS POST									



CDOT TYPE 1 & 2 MONUMENT
3-1/4" ALUMINUM CAP
ON 3/4" ALUMINUM ROD



CDOT TYPE 3 MONUMENT
3-1/4" ALUMINUM CAP
ON 2-3/8" OD PIPE
(TYPE 3A SET IN BOX)

CDOT CONTROL MONUMENT DETAILS



J.F. SATO AND ASSOCIATES
Consulting Engineers
Project Managers, Planners & Surveyors
5039 So. Repp St. • Littleton, CO 80120 • (303) 797-1200

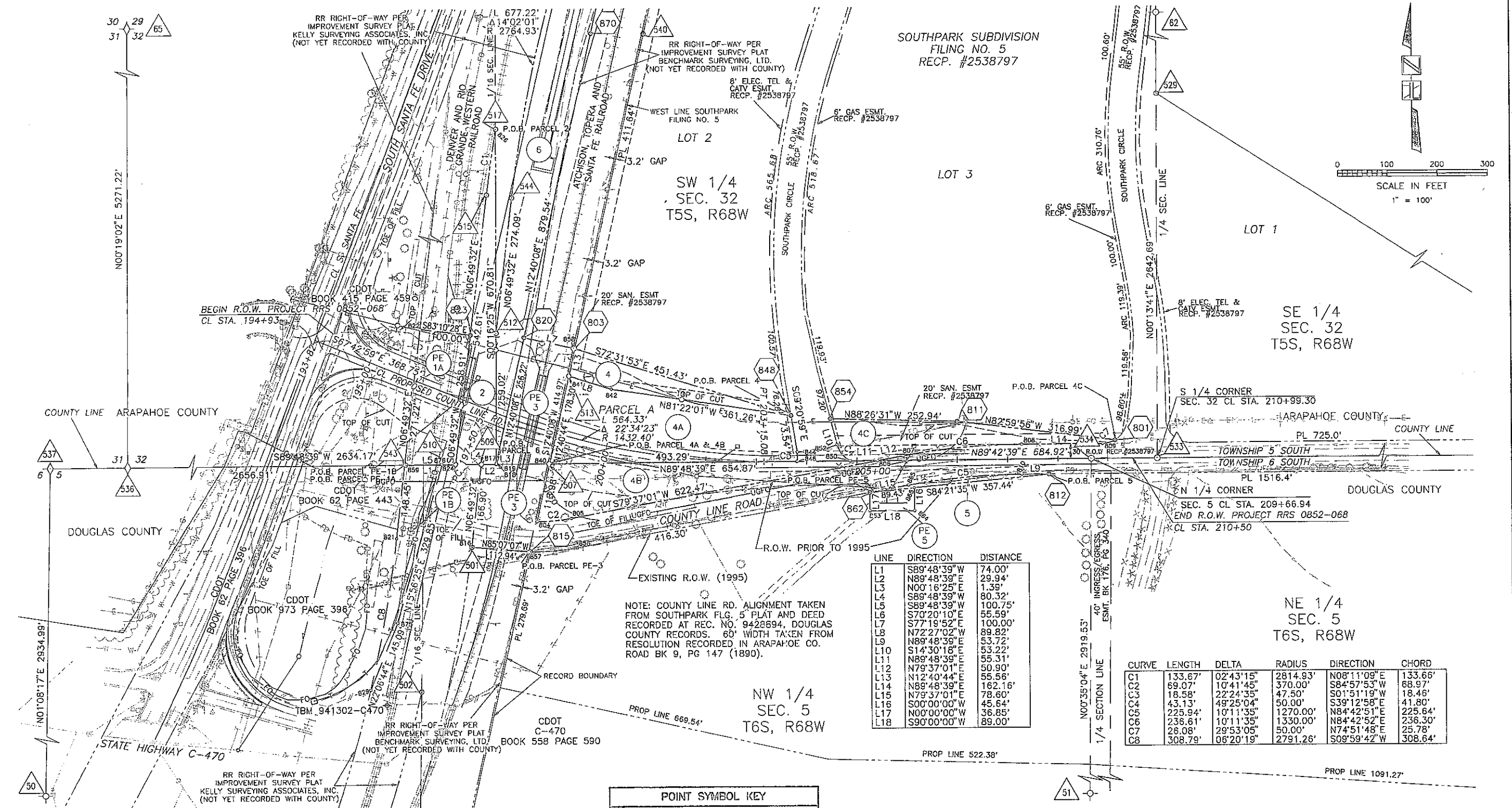
COUNTY LINE ROAD RR GRADE SEPARATION					
SURVEY CONTROL DIAGRAM					
DATE	PROJECT NO.	DESIGNED BY	SHEET NO.	DRAWING NO.	
10-03-95	JF9518	RJS	3		
		CHECKED BY	OF	SHEETS	
		DPM	3		

FEDERAL RD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	RRS 0852-068	4	

- PE 1A DENVER AND RIO GRANDE WESTERN RAILROAD CO. A DELAWARE CORPORATION
 1515 ARAPAHOE ST., DENVER, CO. 80202
 REIMER, JOHN H.
 P.O. BOX 129, PARKER, CO.
- 4 4A 4B 4C SOUTHPARK 52, LLC, A COLORADO LIMITED LIABILITY COMPANY
 7353 S. ALTON WAY, #A100 ENGLEWOOD, CO.
- 5 PE 5 BOWEN FARMS, INC. A COLORADO CORPORATION
 7602 WEST STATE HIGHWAY 470 LITTLETON, CO.
- PE 3 ATCHISON, TOPEKA, AND SANTA FE RAILWAY CO.
 80 EAST JACKSON BLVD., CHICAGO, ILL. 60604
- 6 OVA E. STEPHENS AND NELL J. STEPHENS AND JAMES FERGUSON AND JACKIE FERGUSON AS THEIR INTERESTS MAY APPEAR

RIGHT-OF-WAY COUNTY LINE ROAD AT S. SANTA FE DRIVE

REVISIONS	



NOTE: COUNTY LINE RD. ALIGNMENT TAKEN FROM SOUTHPARK FLG. 5 PLAT AND DEED RECORDED AT REC. NO. 9428694, DOUGLAS COUNTY RECORDS. 60' WIDTH TAKEN FROM RESOLUTION RECORDED IN ARAPAHOE CO. ROAD BK 9, PG 147 (1890).

LINE	DIRECTION	DISTANCE
L1	S89°48'39"W	74.00'
L2	N89°48'39"E	29.94'
L3	N00°16'25"E	1.39'
L4	S89°48'39"W	80.32'
L5	S89°48'39"W	100.75'
L6	S70°20'10"E	55.59'
L7	S77°19'52"E	100.00'
L8	N72°27'02"W	89.82'
L9	N89°48'39"E	53.72'
L10	S14°30'18"E	53.22'
L11	N89°48'39"E	55.31'
L12	N79°37'01"E	50.90'
L13	N12°40'44"E	55.56'
L14	N89°48'39"E	162.16'
L15	N79°37'01"E	78.60'
L16	S00°00'00"W	45.64'
L17	N00°00'00"W	36.85'
L18	S90°00'00"W	89.00'

CURVE	LENGTH	DELTA	RADIUS	DIRECTION	CHORD
C1	133.67'	02°43'15"	2814.93'	N08°11'09"E	133.66'
C2	69.07'	10°41'45"	370.00'	S84°57'53"W	68.97'
C3	18.58'	22°24'35"	47.50'	S01°51'19"W	18.48'
C4	43.13'	49°25'04"	50.00'	S39°12'58"E	41.80'
C5	225.94'	10°11'35"	1270.00'	N84°42'51"E	225.64'
C6	236.61'	10°11'35"	1330.00'	N84°42'52"E	236.30'
C7	28.08'	29°53'05"	50.00'	N74°51'48"E	25.78'
C8	308.79'	06°20'19"	2791.26'	S09°59'42"W	308.64'

POINT SYMBOL KEY	
501	FOUND ROW/PROPERTY MONUMENT
812	CDOT ROW MONUMENT TO BE SET



J.F. SATO AND ASSOCIATES
 Consulting Engineers
 Project Managers, Planners & Surveyors
 5898 So. Rapp St. • Littleton, CO 80120 • (303) 797-1200

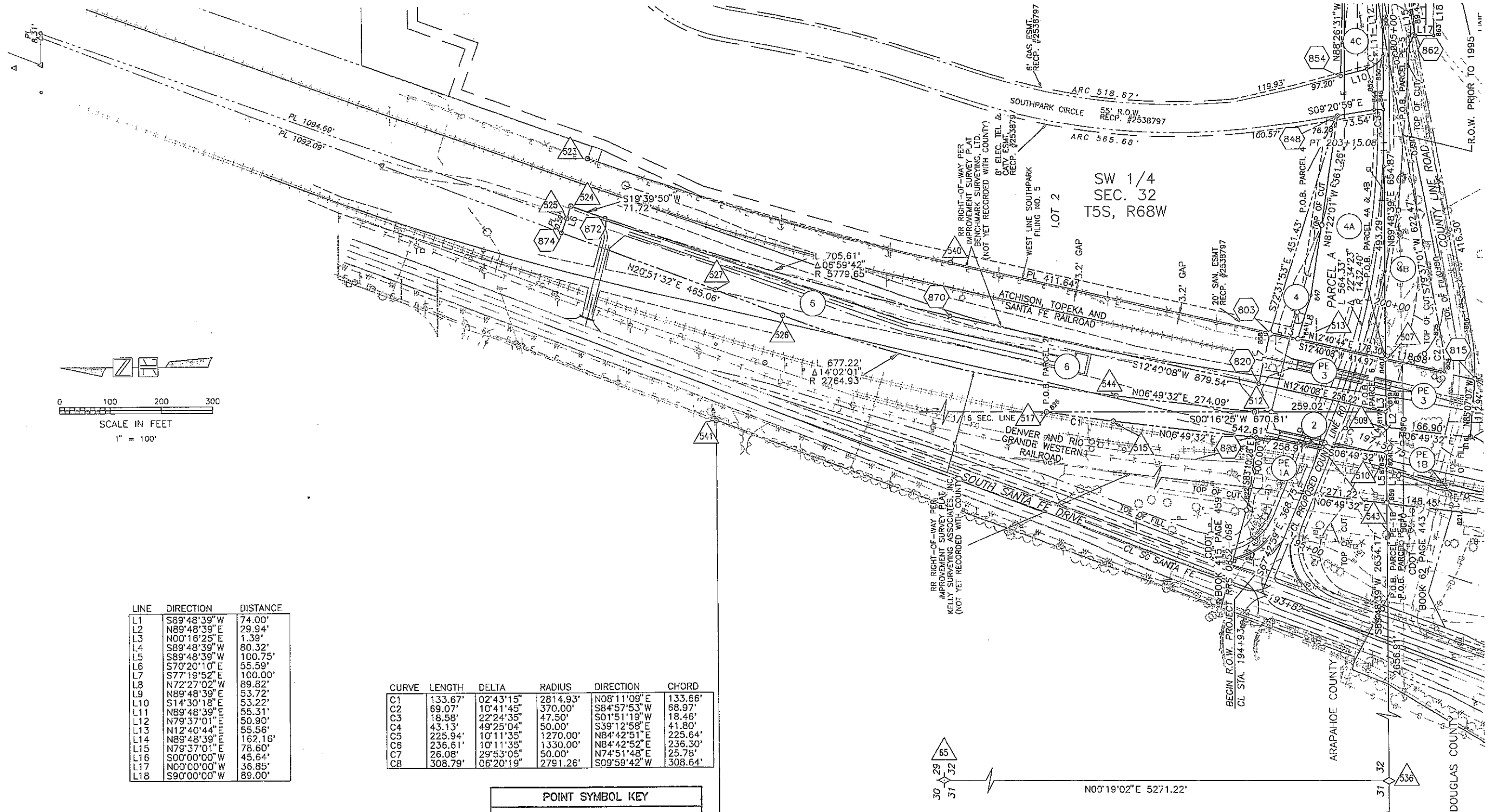
COUNTY LINE ROAD RR GRADE SEPARATION RIGHT-OF-WAY PLANS				
DATE	PROJECT NO.	DESIGNED BY	SHEET NO.	DRAWING NO.
9-5-95	JF9518	RLS CHECKED BY: BWP	OF SHEETS	

FEDERAL RD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	RRS 0852-068	5	

- PE 1A DENVER AND RIO GRANDE WESTERN RAILROAD CO.
A DELAWARE CORPORATION
1515 ARAPAHOE ST., DENVER, CO. 80202
- 2 REIMER, JOHN H.
P.O. BOX 129, PARKER, CO.
- PE 3 ATCHISON, TOPEKA, AND SANTA FE RAILWAY CO.
80 EAST JACKSON BLVD., CHICAGO, ILL. 60604
- 4 4A 4B 4C SOUTH PARK 52, LLC, A COLORADO LIMITED LIABILITY COMPANY
7353 S. ALTON WAY, #A100 ENGLEWOOD, CO.
- 5 5 PE 5 BOWEN FARMS, INC. A COLORADO CORPORATION
7602 WEST STATE HIGHWAY 470 LITTLETON, CO.
- 6 OVA E. STEPHENS AND NELL J. STEPHENS AND JAMES FERGUSON AND JACKIE FERGUSON AS THEIR INTERESTS MAY APPEAR

RIGHT-OF-WAY COUNTY LINE ROAD AT S. SANTA FE DRIVE

REVISIONS	



LINE	DIRECTION	DISTANCE
L1	S89°48'39"W	74.00'
L2	N89°48'39"E	29.94'
L3	N00°16'25"E	1.39'
L4	S89°48'39"W	80.32'
L5	S89°48'39"W	100.75'
L6	S70°20'10"E	55.59'
L7	S77°19'52"E	100.00'
L8	N72°27'02"W	89.82'
L9	N89°48'39"E	53.72'
L10	S14°30'18"E	53.22'
L11	N89°48'39"E	55.31'
L12	N79°37'01"E	50.90'
L13	N12°40'44"E	55.56'
L14	N89°48'39"E	162.16'
L15	N79°37'01"E	78.60'
L16	S00°00'00"W	45.64'
L17	N00°00'00"W	36.85'
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CURVE	LENGTH	DELTA	RADIUS	DIRECTION	CHORD
C1	133.67'	02°43'15"	2814.93'	N08°11'09"E	133.66'
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C8	308.79'	06°20'19"	2791.26'	S09°59'42"W	308.64'

POINT SYMBOL KEY

- 501 FOUND ROW/PROPERTY MONUMENT
- 812 CDOT ROW MONUMENT TO BE SET



J.F. SATO AND ASSOCIATES
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Project Managers, Planners & Surveyors
5955 So. Rapp St. • Littleton, CO 80120 • (303) 797-1200

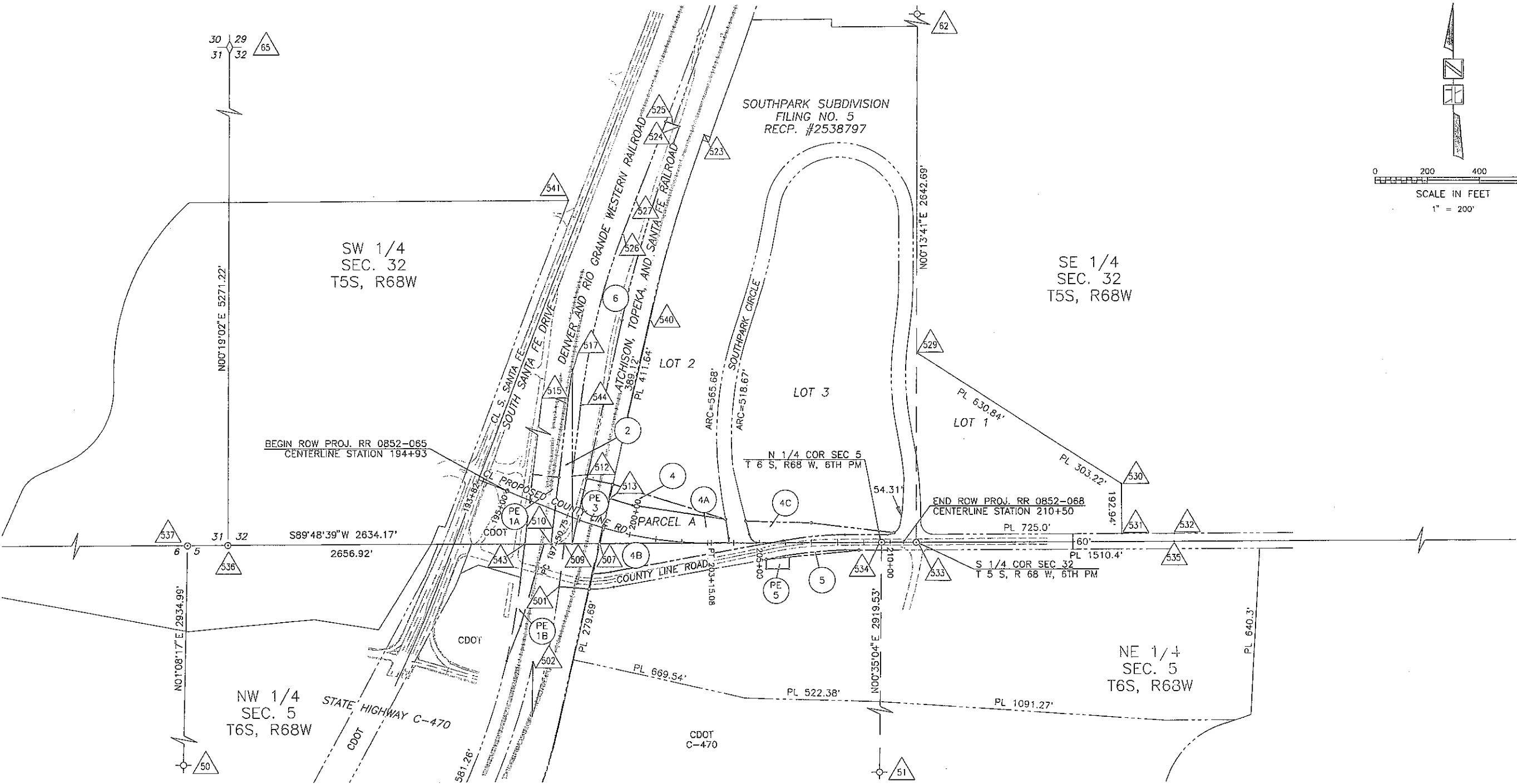
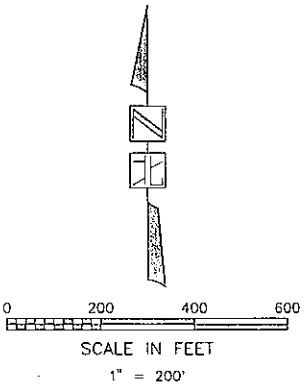
COUNTY LINE ROAD RR GRADE SEPARATION RIGHT-OF-WAY PLANS				
DATE	PROJECT NO.	DESIGNED BY	SHEET NO.	DRAWING NO.
9-5-95	JF9518	BLS	5	
		CHECKED BY	OF	SHEETS

OWNERSHIP

RIGHT-OF-WAY
COUNTY LINE ROAD AT
S. SANTA FE DRIVE

FEDERAL RD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	RRS 0852-068	6	

REVISIONS			



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- PE 5
- 6 OVA E. STEPHENS AND NELL J. STEPHENS AND JAMES FERGUSON
AND JACKIE FERGUSON AS THEIR INTERESTS MAY APPEAR
ADDRESS UNKNOWN



J.F. SATO AND ASSOCIATES
Consulting Engineers
Project Managers, Planners & Surveyors
5898 So. Rapp St. • Littleton, CO 80120 • (303) 797-1200

COUNTY LINE ROAD RR GRADE SEPARATION				
OWNERSHIP MAP				
DATE	PROJECT NO.	DESIGNED BY	SHEET NO.	DRAWING NO.
9-5-95	JF9518	BY RLS CHECKED BY DPW	6	