



Sheet Revisions		
Date	Description	Initials
10/08	Modified Sheets 3.01, 3.03, 3.08 & 3.13	DDH
2/09	Modified Sheets 3.04, 3.13 & 3.14	DDH
3/09	Modified Sheets 3.04, 3.13 & 3.14, and Added Updated Jacobs Logo to all Sheets	DDH
2/10	Modified all Sheets for RTD use	DDH

Sheet Revisions		
Date	Description	Initials
mm/yy	XXXXXXXX	XXX

Sheet Revisions		
Date	Description	Initials
mm/yy	XXXXXXXX	XXX

Right of Way Plans			
Land Survey Control Diagram			
Project Number: 072120			
Project Location: RTD I-225 CORRIDOR, SH-83 to I-70			
Project Code:	Last Mod. Date:	Subset	Sheet No.
	8-29-11	1 of 16	3.01



REGIONAL TRANSPORTATION DISTRICT STATE OF COLORADO

SURVEY CONTROL DIAGRAM

B 394

FASTRACKS I-225 CORRIDOR

ADAMS COUNTY

SEC.'S 19, 30 & 31 T.3S.,R.66W.
SEC.'S 24, 25 & 35 T.3S.,R.67W.

ARAPAHOE COUNTY

SEC.'S 6, 7, 18, 19, 30 & 31 T.4S.,R.66W.
SEC.'S 1, 12, 13, 24, 25 & 36 T.4S.,R.67W.

SCALES OF ORIGINAL DRAWINGS

CONTROL DIAGRAM: 1"=2000'
APPROXIMATE LENGTH: 7.5 MILES

INDEX OF SHEETS

3.01	Title Sheet
3.02	Project Control General Notes
3.03	Tabulation of Control & NGS Points
3.04 - 3.05	Tabulation of Found Aliquot Corners
3.06 - 3.07	MK Centennial Points Proj. 2254-058
3.08	Project Control Location Sheet
3.09	NGS Vertical Control Location Sheet
3.10 - 3.15	Control Diagram

LEGEND

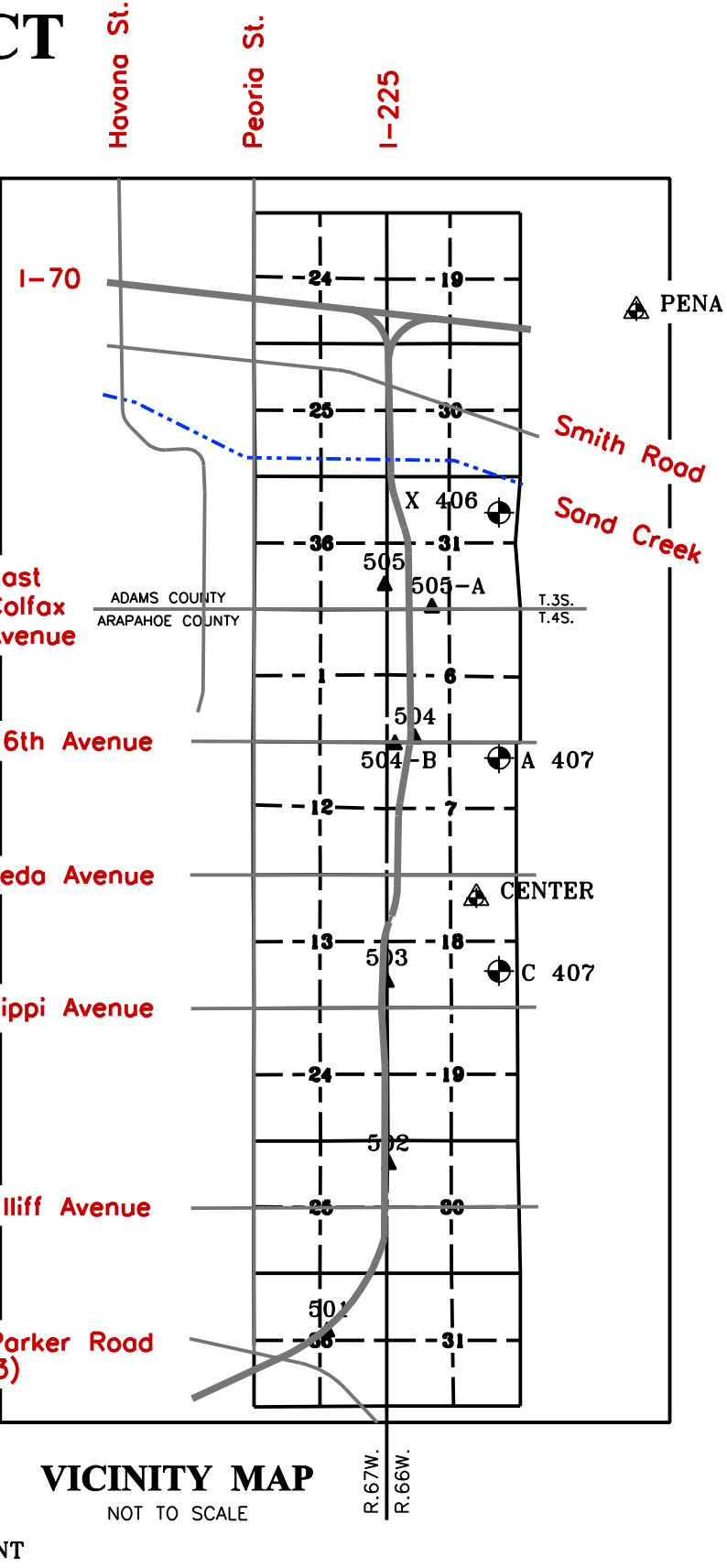
	PROJECT CONTROL POINT
	PROJECT 2254-058 CONTROL PREPARED BY MK CENTENNIAL
	ALIQUOT CORNER LOCATION
	NGS BENCH MARK
	HARN STATION OR NGS 1ST ORDER HORIZONTAL CONTROL & NGS BENCH MARK

JACOBS™

707 17th Street, Suite 2300
Denver, Colorado 80202
Phone: 303-820-5240
Fax: 303-820-5298



1560 BROADWAY, SUITE 700
DENVER, COLORADO 80202
(303) 299-6990



VICINITY MAP

NOT TO SCALE

Colorado Department of Transportation



2000 South Holly Street
Denver, CO 80222
Phone: (303) 757-9923 FAX: (303) 757-9390

Region 6 S.L.K.

Sheet Revisions

Date	Description	Initials
2/10	Modified Sheet for RTD use	DDH

Sheet Revisions

Date	Description	Initials
mm/yy	XXXXXXXX	XXX

Sheet Revisions

Date	Description	Initials
mm/yy	XXXXXXXX	XXX

Right of Way Plans

Land Survey Control Diagram

Project Number: 072120			
Project Location: RTD I-225 CORRIDOR, SH-83 to I-70			
Project Code:	Last Mod. Date	Subset	Sheet No.
	08-29-11	2 of 16	3.02



Typical Control Monument Cap
Not to Scale



ALL SET RTD CONTROL MONUMENTS ARE 3.25" BRASS CAPS ATTACHED TO A 30" LONG #6 REBAR SET IN CONCRETE COLLARS.

THESE MONUMENTS MEET THE HORIZONTAL ACCURACY STANDARD FOR CDOT TYPE "A" CONTROL AND MEET OR EXCEED VERTICAL STANDARDS OF (0.035' X (dist)^{0.5} IN MILE.)

GENERAL NOTES

- HORIZONTAL CONTROL:**
Project horizontal information was derived from static GPS observations utilizing NAD 83 (1992) published values on NGS points throughout the control network areas. The following NGS monuments were fixed horizontally in the project control calculations:
MCDONNELL, PENA, B394, CENTER, COMMITMENT, HILLCREST, E 393, K 406. The control shown hereon is a project specific control network to be used for all RTD Fastracks tasks. The control values shown may not match published values from other sources such as NGS, Cities & Counties, or private control networks.
- VERTICAL DATUM:**
NAVD 88-Differential levels were run through all control points 501-505A shown hereon and balanced between NGS Benchmarks X406, A407 & C407. Elevations within the network meet a minimum vertical accuracy tolerance of 0.035 ft. X $\sqrt{d}$ in miles.
- This Land Survey Control Diagram is prepared for RTD purposes. It is not a Boundary Survey, Land Survey Plat, or Right of Way Plat. No determination has been made to determine if the found monuments as shown are in their proper position or if they are at the corners they are intended to monument.

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 certification shown hereon.

MAPPING PROJECTION

Geodetic coordinates are based on NAD 83(1992)
Orthometric Heights are based on the NAVD88
Coordinates are based on the Universal Transverse Mercator (UTM)
North Zone (13)
Units are in Meters and US Survey Feet (sft)
Project (Ground) coordinates are modified as follows:
1. UTM coordinates are converted from Meters to US Survey Feet
One meter equals 3937 / 1200 feet.
2. Multiplied by the Scale factor = 1.000650402
3. Truncation applied to Coordinates:
Northing - 14,000,000 sft
Easting - 1,000,000 sft
Project coordinates were modified to ground at NGS B Order Horizontal Control Station "MCDONNELL"
Designation = MCDONNELL
NGS PID = KK2099
NAD 83(1992) Coordinates
Latitude = 39°44'34.68938" (N)
Longitude = 105°00'03.94511" (W)
Ellp. Height = 1570.58 M
NAVD 88 Elevation = 1587.6 M
Geoid 03 (CONUS)

FILING CERTIFICATE

Deposited this _____ day of _____, 2011 at _____,
in book _____ of the County Clerk & Records Land Survey
/Right-of-Way Surveys at Page(s) _____, Reception No. _____

County Surveyor _____

SURVEYORS CERTIFICATE

I, Ken Carlson, a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation and RTD this Project Control Diagram was prepared and the field survey it represents was performed under my responsible charge and, based upon my knowledge, information and belief is in accordance with applicable standards of practice defined by Colorado Department of Transportation publications. This statement is not a guaranty or warranty, either express or implied.

Kenneth W. Carlson PLS 24942
Date 9/1/11
For and on behalf of
Jacobs Carter Burgess

JACOBS™

Colorado Department of Transportation



2000 South Holly Street
Denver, CO 80222
Phone:(303)757-9923 FAX:(303)757-9390

Region 6 S.L.K.

Sheet Revisions

Date	Description	Initials
10/08	REMOVED POINT 504-A	DDH
	SET & CONTROLLED POINT 504-B	
2/10	Modified Sheet for RTD use	DDH

Sheet Revisions

Date	Description	Initials
mm/yy	XXXXXXXX	XXX

Sheet Revisions

Date	Description	Initials
mm/yy	XXXXXXXX	XXX

Right of Way Plans

Land Survey Control Diagram				
Project Number: 072120				
Project Location: RTD I-225 CORRIDOR, SH-83 to I-70				
Project Code:	Last Mod. Date:	Subset	Sheet No.	
	08-29-11	3 of 16	3.03	

GEODETIC CONTROL COORDINATE SUMMARY TABLE (ADJUSTED FIELD DATA)

POINT NAME	GEODETIC COORDINATES NAD-83(92) (HARN)		ELIPSOID HEIGHT	UTM 13 - NORTH ZONE		PROJECT COORDINATES		ELEV. (NAVD 88)sft	DESCRIPTION
	LATITUDE	LONGITUDE		NORTHING (sft)	EASTING (sft)	NORTHING (sft)	EASTING (sft)		
501	39°39'40.73448"N	104°50'12.74647"W	5593.58'	14403449.952	1686325.162	412817.982	687421.951	5650.860'	RTD CONTROL SET 3.25" BRASS CAP IN CONCRETE LS #24942
502	39°40'46.51484"N	104°49'41.21943"W	5542.44'	14410107.868	1688777.045	419480.228	689875.429	5599.890'	RTD CONTROL SET 3.25" BRASS CAP IN CONCRETE LS #24942
503	39°41'58.04615"N	104°49'42.15861"W	5526.18'	14417342.745	1688689.804	426719.810	689788.131	5583.740'	RTD CONTROL SET 3.25" BRASS CAP IN CONCRETE LS #24942
504	39°43'34.14866"N	104°49'27.69715"W	5377.72'	14427065.238	1689800.667	436448.627	690899.717	5435.430'	RTD CONTROL SET 3.25" BRASS CAP IN CONCRETE LS #24942
504-B	39°43'31.67854"N	104°49'37.71016"W	5363.72'	14426813.880	1689019.114	436197.103	690117.656	5421.430'	RTD CONTROL SET 3.25" BRASS CAP IN SIDEWALK LS #24942
505	39°44'34.25544"N	104°49'42.78460"W	5323.13'	14433142.491	1688610.681	442529.832	689708.956	5380.880'	RTD CONTROL SET 3.25" BRASS CAP IN CONCRETE LS #24942
505-A	39°44'25.42816"N	104°49'18.71819"W	5318.44'	14432253.315	1690491.633	441640.078	691591.132	5376.230'	RTD CONTROL SET 3.25" BRASS CAP IN CONCRETE LS #24942

SEE SHEETS 3C FOR MONUMENT LOCATION SHEETS

NGS PROJECT VERTICAL CONTROL (FIRST ORDER, CLASS II)

POINT NAME	PID	ELEV. (NAVD 88)sft	DESCRIPTION	LOCATION (SEE SHEET 3.09 FOR LOCATION SKETCH)
X-406	KK1516	5420.77'	STAINLESS STEEL ROD IN LOGO BOX	INTERSECTION OF CHAMBERS ROAD AND EAST 23RD AVENUE, 128' EAST OF THE CENTER OF GRANBY WAY.
A-407	KK1513	5439.03'	STAINLESS STEEL ROD IN LOGO BOX	INTERSECTION OF EAST 6TH AVENUE AND CHAMBERS ROAD, 222" SOUTH OF THE NORTH ENTRANCE TO THE CHAMBERS VILLAGE EAST SHOPPING CENTER
C-407	KK1511	5504.78'	STAINLESS STEEL ROD IN LOGO BOX	INTERSECTION OF CHAMBERS ROAD AND OHIO AVENUE, 15' SOUTH OF A BRICK CORNER POST.

N.G.S. H.A.R.N. 1st ORDER CONTROL COORDINATE SUMMARY TABLE

POINT NAME	GEODETIC COORDINATES NAD-83(92) (HARN)		ELIPSOID HEIGHT	UTM 13 - NORTH ZONE		PROJECT COORDINATES		ELEV. (NAVD 88)sft	DESCRIPTION
	LATITUDE	LONGITUDE		NORTHING (sft)	EASTING (sft)	NORTHING (sft)	EASTING (sft)		
B 394	39°46'47.04085"N	104°56'26.22144"W	5204.99'	14446532.626	1657100.225	455928.677	658178.007	5261.82'	DISK SET IN BRIDGE ABUTMENT STAMPED B 394 1983
CENTER	39°42'20.42408"N	104°48'52.04817"W	5462.49'	14419613.956	1692600.349	428992.498	693701.219	5520.17'	DISK ON METAL ROD DRIVEN INTO GROUND STAMPED CENTER PT
COMMITMENT	39°36'25.29685"N	104°53'29.26842"W	5677.10'	14383659.411	1670985.956	393014.568	672072.768	5733.59'	DISK SET IN CONCRETE STAMPED COMMITMENT 1996
E 393	39°43'06.11629"N	104°54'46.76977"W	5336.28'	14424193.391	1664883.263	433574.912	665966.106	5393.20'	DISK SET ON STAINLESS STEEL ROD STAMPED E 393 1983
HILLCREST	39°38'20.80447"N	104°54'49.02620"W	5569.13'	14395335.495	1664734.790	404698.246	665817.536	5625.63'	DISK SET ON METAL ROD STAMPED HILLCREST 1996
K 406	39°40'02.82583"N	104°54'45.75840"W	5430.79'	14405654.597	1664980.300	415024.060	666063.206	5487.46'	DISK SET ON STAINLESS STEEL ROD STAMPED K 406 1984
PENA	39°46'20.23261"N	104°47'26.65207"W	5356.39'	14443884.236	1699215.283	453278.563	700320.455	5414.52'	DISK SET ON METAL ROD STAMPED PENA 1996





Sheet Revisions		
Date	Description	Initials
2/09	Add Desc. for Point 20001	DDH
3/09	Finalized Location Point 20001	DDH
2/10	Modified Sheet for RTD use	DDH

Sheet Revisions		
Date	Description	Initials
mm/yy	XXXXXXXX	XXX

Sheet Revisions		
Date	Description	Initials
mm/yy	XXXXXXXX	XXX

Right of Way Plans				
Land Survey Control Diagram				
Project Number: 072120				
Project Location: RTD I-225 CORRIDOR, SH-83 to I-70				
Project Code:	Last Mod. Date:	Subset	Sheet No.	
	08-29-11	4 of 16	3.04	

FOUND ALIQUOT CORNERS LOCATED WITH (GPS DOUBLE BASED RTK) GLOBAL POSITIONING SYSTEM

COMMON WITH CDOT PROJECT 2254-058	POINT NAME	PROJECT COORDINATES		DESCRIPTION
		NORTHING (sft)	EASTING (sft)	
389	20001	441543.099	689801.871	3" CITY OF AURORA BRASS CAP LS 16848, IN RANGE BOX, DATED 1987. NE CORNER SEC 6, T4S R66W. LOCATION: E COLFAX AVE. & N FITZSIMONS PARKWAY – (Actual Monument was verified on March 16, 2009)
	20002	446827.620	689798.203	3.25" ALUMINUM CAP IN RANGE BOX LS 10734, SE CORNER SEC 25, T3S R67W, LOCATION: SW OF 225 & 28th
	20004	449471.333	689796.733	2.5" ALUMINUM CAP IN RANGE BOX LS 23516, E QUARTER CORNER SEC 25, T3S R67W, LOCATION: 2.5' W OF FENCE
	20006	452116.270	689796.911	2" IRON PIPE, NE CORNER SEC 25, T3S R67W, LOCATION: IN MEDIAN OF 225 S OF I-70
	20007	452145.478	684495.719	3.25" ALUMINUM CAP IN RANGE BOX LS 11434, NW CORNER SEC 25, T3S R67W, LOCATION 50' S OF PEORIA & 38th
	20008	454797.212	684490.569	3.25" ALUMINUM CAP IN RANGE BOX LS 38026, W QUARTER CORNER SEC 24, T3S R67W, LOCATION PEORIA & HILTON
	20009	446847.401	684550.760	3.25" ALUMINUM CAP IN COA RANGE BOX, SW CORNER SEC 25, T3S R67W, LOCATION: PEORIA & MARTIN LUTHER KING
	20010	444191.125	684533.150	3.25" ALUMINUM CAP IN COA RANGE BOX, W QUARTER CORNER SEC 36, T3S R67W, LOCATION: MONTVIEW & PEORIA
	20011	441540.586	687158.549	3" BRASS CAP IN RANGE BOX, S QUARTER CORNER SEC 36, T3S R67W, LOCATION: URSULA & COLFAX
	20013	420404.902	689835.350	3" BRASS CAP IN RANGE BOX LS 16419, SW CORNER SEC 19, T4S R66W, LOCATION: JEWELL & ABILENE
371	20014	420391.448	695000.804	3" ALUMINUM CAP IN RANGE BOX LS 5239, SE CORNER SEC 19, T4S R66W, LOCATION: IN MEDIAN OF CHAMBERS
	20015	430975.430	694950.394	3" COA BRASS CAP IN RANGE BOX LS 16848, NE CORNER SEC 18, T4S R66W, LOCATION: ALAMEDA & CHAMBERS
377	20029	444188.782	681871.195	3.25" ALUMINUM CAP IN RANGE BOX LS 11434, C QUARTER CORNER SEC 35, T3S R67W, LOCATION: MONTVIEW & LIMA
	20034	438900.912	692297.167	3.25" ALUMINUM CAP IN RANGE BOX LS 13155, C QUARTER CORNER SEC 6, T4S R66W, LOCATION: SABLE BETWEEN 11th & 12th
382	20048	433619.290	692309.586	3.25" ALUMINUM CAP IN RANGE BOX LS 20683, C QUARTER CORNER SEC 7, T4S R66W, LOCATION: SABLE & CONDO ENTRANCE
	20050	433618.627	694946.242	ALUMINUM CAP LS 23527 "2007", E QUARTER CORNER SEC 7, T4S R66W, LOCATION: +/- 18' W OF 1st & CHAMBERS
353	20060	428334.541	692337.897	3.25" BRASS CAP IN COA RANGE BOX LS 16419, C QUARTER CORNER SEC 18, T4S R66W, LOCATION: SABLE & EXPOSITION
386	20061	428334.821	694968.135	3" COA BRASS CAP IN COA RANGE BOX LS 16419, E QUARTER CORNER SEC 18, T4S R66W, CHAMBERS & EXPOSITION
	20067	425686.406	689802.717	3.25" ALUMINUM CAP IN RANGE BOX LS 23516, SW CORNER SEC 18, T4S R66W, MISSISSIPPI & NB RAMPS 225
	20068	423045.591	689819.095	3" BRASS CAP IN COA RANGE BOX LS 16419, W QUARTER CORNER SEC 19, T4S R66W, FLORIDA & ABILENE
	20072	423040.787	694999.913	3" BRASS CAP IN COA RANGE BOX LS 16848, E QUARTER CORNER SEC 19, T4S R66W, CHAMBERS & FLORIDA



Sheet Revisions			Sheet Revisions			Sheet Revisions		
Date	Description	Initials	Date	Description	Initials	Date	Description	Initials
2/10	Modified Sheet for RTD use	DDH	mm/yy	XXXXXXX	XXX	mm/yy	XXXXXXX	XXX

Right of Way Plans				
Land Survey Control Diagram				
Project Number: 072120				
Project Location: RTD I-225 CORRIDOR, SH-83 to I-70				
Project Code:	Last Mod. Date	Subset	Sheet No.	
	08-29-11	5 of 16	3.05	

FOUND ALIQUOT CORNERS LOCATED WITH (GPS DOUBLE BASED RTK) GLOBAL POSITIONING SYSTEM

COMMON WITH CDOT PROJECT 2254-058	POINT NAME	PROJECT COORDINATES		DESCRIPTION
		NORTHING (sft)	EASTING (sft)	
390	20074	420397.087	692357.768	3" BRASS CAP IN RANGE BOX LS 11494, S QUARTER CORNER SEC 19, T4S R66W, JEWELL & SABLE
	392	417754.616	692359.929	CROSS IN N FLOWLINE OF MEDIAN CURB, ILLIF AVE. C QUARTER CORNER SEC 30, T4S R66W
361	20076	417757.120	691034.231	3.25" ALUMINUM CAP, LS 13155, W 16th CORNER SEC 30, T4S R66W
	20080	417759.513	689790.933	3.25" ALUMINUM CAP IN RANGE BOX LS 29420, W QUARTER CORNER SEC 30, T4S R66W, 225 & ILIFF
374	20081	415114.512	689791.000	3" BRASS CAP IN COA RANGE BOX LS 16419, SW CORNER SEC 30, T4S R66W, YALE & ABILENE
	20082	415112.379	692362.387	3.5" COA MONUMENT IN RANGE BOX LS 16419, S QUARTER CORNER SEC 30, T4S R66W, YALE
391	20083	409802.075	684506.129	ALUMINUM CAP, SW CORNER SEC 36, T4S R67W
	20091	417742.024	687145.102	3.25" ALUMINUM CAP LS 28257 " 1999", C QUARTER CORNER SEC 25, T4S R67W, +/- 70' S OF MEDIAN, ILIFF
388	20092	420385.325	687148.874	3" COA BRASS CAP IN RANGE BOX LS 23527 "2004", N QUARTER CORNER SEC 25, T4S R67W, JEWELL
	20093	423021.372	684496.941	3" COA BRASS CAP IN RANGE BOX LS 16419, W QUARTER CORNER SEC 24, T4S R67W, PEORIA & FLORIDA
	20097	428316.121	684488.203	3" COA BRASS CAP IN RANGE BOX LS 16419 "1989", W QUARTER CORNER SEC 13, T4S R67W, PEORIA
	20099	430982.781	687134.638	3" COA BRASS CAP IN RANGE BOX LS 16848 "1989", N QUARTER CORNER SEC 13, T4S R67W, ALAMEDA
	20103	444195.732	694914.539	3" BRASS CAP IN COA RANGE BOX, E QUARTER CORNER SEC 31, T3S R66W, MONTVIEW & CHAMBERS
	20105	452121.900	687146.648	#8 REBAR, N QUARTER CORNER SEC 25, T3S R67W
	20109	445509.585	688484.749	2" BRASS CAP LS 37887, NE 16th CORNER SEC 36, T3S R67W
	20110	446837.576	687174.493	3.5" BRASS CAP IN RANGE BOX LS 37887, N CORNER SEC 36, T3S R67W, SAND CREEK & URSULA (EXTENDED)
372	20112	446847.235	679231.068	3.25" ALUMINUM CAP LS 20683, NW CORNER SEC 35, T3S R67, 26th & HANNOVER
	20113	452141.312	683176.847	1" AXLE IN CC&D RANGE BOX, E 16th CORNER SEC 26, T3S R67W
	20045A	436254.870	689801.954	3" BRASS CAP IN COA RANGE BOX LS 16848, NW CORNER SEC 7, T4S R66W, POTOMAC & 6th
	20046A	433611.181	689800.556	3" BRASS CAP LS 13327, E QUARTER CORNER SEC 12, T4S R67W, CL POTOMAC & S OF 2nd
375	20047A	433619.797	689800.628	3" BRASS CAP LS 13327, W QUARTER CORNER SEC 7, T4S R66W, CL POTOMAC & S OF 2nd

Colorado Department of Transportation



2000 South Holly Street
Denver, CO 80222
Phone:(303)757-9923 FAX: (303)757-9390

Region 6 S.L.K.

Sheet Revisions			Sheet Revisions			Sheet Revisions		
Date	Description	Initials	Date	Description	Initials	Date	Description	Initials
2/10	Modified Sheet for RTD use	DDH	mm/yy	XXXXXXX	XXX	mm/yy	XXXXXXX	XXX

Right of Way Plans				
Land Survey Control Diagram				
Project Number: 072120				
Project Location: RTD I-225 CORRIDOR, SH-83 to I-70				
Project Code:	Last Mod. Date:	Subset	Sheet No.	
	08-29-11	6 of 16	3.06	

FOR INFORMATION ONLY
The following project controlpoints from Colorado Department of Transportation Survey ControlDiagram Project No. 2254-058 are listed hereon for information only. These controlpoints were translated into RTD I-225 Corridor mapping projection using the record Latitude, Longitude, and Ellipsoid Height listed on the Project Controlsheet 3 of 7. Jacobs Carter & Burgess did no field verification of these values, and did not verify that the monuments were still in place. Use all values at your own risk.

POINT NAME	PROJECT COORDINATES		PROJECT ELEVATION	DESCRIPTION	L.S. NUMBER	DATE	
	NORTHING (sft)	EASTING (sft)					
MK-11	436800.414	691179.393	5402.58'	MK CONT PT, FND. 3 1/4" CDOH ALUM. CAP			
MK-18	427117.625	689758.150	5579.17'	MK CONT PT, FND. 3 1/4" CDOH ALUM. CAP			
MK-23	420062.843	689799.964	5597.79'	MK CONT PT, FND. 3 1/4" CDOH ALUM. CAP			
MK-35	423017.327	689921.001	5606.49'	MK CONT PT, FND. 3 1/4" CDOH ALUM. CAP	NONE	NONE	
MK-301	438330.004	690526.002	5397.26'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-302	437900.087	690794.849	5399.93'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-303	436299.558	689675.980	5422.72'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-304	436169.248	690448.550	5416.45'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-305	436307.570	691672.293	5399.85'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-306	435447.192	690567.012	5434.23'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-307	433880.844	690201.917	5470.69'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-308	433193.182	690138.870	5481.04'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-309	431560.877	690032.439	5501.25'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-310	430989.799	689152.804	5530.34'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-311	431052.624	689722.785	5520.16'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-312	430642.416	690055.454	5514.18'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-313	430002.533	690259.804	5529.40'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-314	429213.739	689735.307	5547.26'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-315	428276.864	689552.232	5568.21'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-316	427740.324	689757.684	5569.26'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-317	426248.554	689650.398	5574.57'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-318	425017.949	689819.438	5594.79'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-319	423463.762	689783.083	5598.26'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-320	422687.144	689579.181	5600.78'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-321	421650.667	689579.931	5591.91'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-322	420986.174	689798.359	5592.93'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-323	419320.620	689577.886	5605.67'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-324	417825.933	688860.348	5622.48'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	



Colorado Department of Transportation



2000 South Holly Street
Denver, CO 80222
Phone:(303)757-9923 FAX: (303)757-9390

Region 6

S.L.K.

Sheet Revisions			Sheet Revisions			Sheet Revisions			Right of Way Plans				
Date	Description	Initials	Date	Description	Initials	Date	Description	Initials	Land Survey Control Diagram				
2/10	Modified Sheet for RTD use	DDH	mm/yy	XXXXXXX	XXX	mm/yy	XXXXXXX	XXX	Project Number: 072120				
									Project Location: RTD I-225 CORRIDOR, SH-83 to I-70				
									Project Code: Last Mod. Date Subset Sheet No.				
									08-29-11 7 of 16 3.07				

FOR INFORMATION ONLY
The following project controlpoints from Colorado Department of Transportation Survey ControlDiagram Project No. 2254-058 are listed hereon for information only. These controlpoints were translated into RTD I-225 Corridor mapping projection using the record Latitude, Longitude, and Ellipsoid Height listed on the Project Controlsheet 3 of 7. Jacobs Carter & Burgess did no field verification of these values, and did not verify that the monuments were still in place. Use all values at your own risk.

POINT NAME	PROJECT COORDINATES		PROJECT ELEVATION	DESCRIPTION	L.S. NUMBER	DATE	
	NORTHING (sft)	EASTING (sft)					
MK-325	417648.212	689297.595	5621.46'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-326	417698.369	690587.952	5627.72'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-327	414723.116	688961.373	5670.32'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-328	413914.865	688678.812	5670.05'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-329	413356.432	688136.787	5664.37'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-330	412773.952	687355.245	5649.67'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-331	412235.882	686460.565	5642.11'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-332	411604.512	685875.925	5630.15'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-333	411605.842	686666.324	5653.88'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-351	436301.936	692322.344	5401.18'	MK CONT PT, FND. 3 1/4" CDOH ALUM. CAP			
MK-352	425817.028	689847.898	5590.28'	MK CONT PT, FND. 3 1/4" CDOT ALUM. CAP			
MK-354	415802.989	689668.568	5666.21'	MK CONT PT, FND. 3 1/4" CDOT ALUM. CAP	NONE	1999	
MK-355	416703.349	689743.378	5649.75'	MK CONT PT, FND. 3 1/4" CDOT ALUM. CAP	NONE	1999	
MK-356	417710.338	689934.639	5620.02'	MK CONT PT, FND. 3 1/4" CDOT ALUM. CAP	NONE	1999	
MK-358	418633.303	689761.676	5614.25'	MK CONT PT, FND. 3 1/4" CDOT ALUM. CAP	NONE	1999	
MK-359	417926.645	689753.081	5634.79'	MK CONT PT, FND. 3 1/4" CDOT ALUM. CAP	NONE	1999	
MK-360	411904.353	685178.850	5616.88'	MK CONT PT, FND. 3 1/4" CDOH ALUM. CAP			
MK-363	412727.795	686850.450	5644.56'	MK CONT PT, SET 3 1/4" CDOT ALUM. CAP	28257	1999	
MK-502	419480.228	689875.429	5435.37'	MK CONT PT, FND. 3 1/4" CDOT ALUM. CAP	NONE	NONE	
MK-508	424489.760	689664.206	5591.64'	MK CONT PT, FND. 3 1/4" CDOT ALUM. CAP	NONE	NONE	
MK-510	425769.662	690335.183	5582.67'	MK CONT PT, FND. 3 1/4" CDOT ALUM. CAP			
MK-520	436366.694	690877.842	5444.64'	MK CONT PT, FND. 3 1/4" CDOT ALUM. CAP	NONE	NONE	
MK-521	432547.111	690120.555	5481.09'	MK CONT PT, FND. 3 1/4" CDOT ALUM. CAP	NONE	NONE	
MK-532	431041.739	690354.249	5517.37'	MK CONT PT, FND. 3 1/4" CDOH ALUM. CAP			
MK-1113	418106.420	689303.493	5619.90'	MK CONT PT, FND. 3 1/4" CDOH ALUM. CAP			
MK-1503	411852.243	684664.733	5611.28'	MK CONT PT, FND. 1/2" STANLESS STEEL ROD IN BOX NO CAP			
MK-2005	441479.780	691253.724		MK CONT PT, FND. 3 1/4" CDOH ALUM. CAP	11010	1993	
MK-2027	415078.198	689429.815	5681.24'	MK CONT PT, FND. 3 1/4" CDOH ALUM. CAP			
MK-7138	436974.458	690647.564	5424.72'	MK CONT PT, FND. 3 1/4" CDOH ALUM. CAP	NONE	NONE	



8/29/2011 01:07:39 PM k:\072120_Fastracks\225 CORRIDOR\Drawings\ROW\Control_Diagram\CDOT-225_CONTROL.dgn

Colorado Department of Transportation



2000 South Holly Street
Denver, CO 80222
Phone:(303)757-9923 FAX: (303)757-9390

Region 6

S.L.K.

Sheet Revisions

Date	Description	Initials
10/08	REMOVED POINT 504-A	DDH
2/10	SET & CONTROLLED POINT 504-B	DDH
	Modified Sheet for RTD use	DDH

Sheet Revisions

Date	Description	Initials
mm/yy	XXXXXXX	XXX

Sheet Revisions

Date	Description	Initials
mm/yy	XXXXXXX	XXX

Right of Way Plans

Land Survey Control Diagram

Project Number: 072120

Project Location: RTD I-225 CORRIDOR, SH-83 to I-70

Project Code:	Last Mod. Date:	Subset:	Sheet No.
	08-29-11	8 of 16	3.08

POINT NUMBER : 501		I-225 CORRIDOR	
LOCATION: Section 36, T4S, R67W, 6TH P.M.		DATE: September 2007	
MONUMENT DESCRIPTION:			
SET 30" LONG #6 REBAR IN 6" CONCRETE COLLAR WITH ATTACHED 3 1/4" BRASS CAP STAMPED "RTD CORRIDOR CONTROL POINT-#501-PLS 24942"			
MODIFIED PROJECT NORTHING (USFT): 412817.982		NORTHING (UTM 13 NORTH): 14403449.952	
MODIFIED PROJECT EASTING (USFT): 687421.951		EASTING (UTM 13 NORTH): 1686325.162	
ELEVATION (NAVD 88 USFT): 5650.86 sft		LATITUDE NAD83 (1992): 39°39'40.73448"N	
HORIZONTAL METHOD: STATIC GPS		LONGITUDE NAD83 (1992): 104°50'12.74647"W	
VERTICAL METHOD: LEVEL			
		COMBINED PROJECT FACTOR: 1.000650402	
		Modified Coordinates = UTM Zone 13 X Combined Factor then Subtract 14,000,000 from Northing and 1,000,000 from Easting.	

MONUMENT LOCATION SKETCH - N.T.S.

SKETCH OF DISK

MONUMENT SET IN:

☒ IN GROUND
☐ IN CONCRETE
☐ IN STRUCTURE

WALK/DRIVE IN DIRECTIONS:
Control Monument is located on the Southeastly side of Interstate 225, Northeastly of the Parker Road on-ramp. The point is 19.6 feet Northwestly of a sign located on the chain link fence.

POINT NUMBER : 502		PROJECT: I-225 CORRIDOR	
LOCATION: Section 30, T4S, R66W, 6TH P.M.		DATE: September 2007	
MONUMENT DESCRIPTION:			
SET 30" LONG #6 REBAR IN 6" CONCRETE COLLAR WITH ATTACHED 3 1\4" BRASS CAP STAMPED "RTD CORRIDOR CONTROL POINT-#502-PLS 24942"			
MODIFIED PROJECT NORTHING (USFT): 419480.228		NORTHING (UTM 13 NORTH): 14410107.868	
MODIFIED PROJECT EASTING (USFT): 689875.429		EASTING (UTM 13 NORTH): 1688777.045	
ELEVATION (NAVD 88 USFT): 5599.89 sft		LATITUDE NAD83 (1992): 39°40'46.51484"N	
HORIZONTAL METHOD: STATIC GPS		LONGITUDE NAD83 (1992): 104°49'41.21943"W	
VERTICAL METHOD: LEVEL			
		COMBINED PROJECT FACTOR: 1.000650402	
		Modified Coordinates = UTM Zone 13 X Combined Factor then Subtract 14,000,000 from Northing and 1,000,000 from Easting.	

MONUMENT LOCATION SKETCH - N.T.S.

SKETCH OF DISK

MONUMENT SET IN:

☒ IN GROUND
☐ IN CONCRETE
☐ IN STRUCTURE

WALK/DRIVE IN DIRECTIONS:
Control Monument is located at the Northeast Quadrant of Abilene Street and Evans Avenue +/- 3 feet East of concrete walk, +/- 100' North of walk, westerly of the parking lot of the Crab Shack restaurant.

POINT NUMBER : 503		PROJECT: I-225 CORRIDOR	
LOCATION: Section 18, T4S, R66W, 6TH P.M.		DATE: September 2007	
MONUMENT DESCRIPTION:			
SET 30" LONG #6 REBAR IN 6" CONCRETE COLLAR WITH ATTACHED 3 1\4" BRASS CAP STAMPED "RTD CORRIDOR CONTROL POINT-#503-PLS 24942"			
MODIFIED PROJECT NORTHING (USFT): 426719.810		NORTHING (UTM 13 NORTH): 14417342.745	
MODIFIED PROJECT EASTING (USFT): 689788.131		EASTING (UTM 13 NORTH): 1688689.804	
ELEVATION (NAVD 88 USFT): 5583.74 sft		LATITUDE NAD83 (1992): 39°41'58.04615"N	
HORIZONTAL METHOD: STATIC GPS		LONGITUDE NAD83 (1992): 104°49'42.15861"W	
VERTICAL METHOD: LEVEL			
		COMBINED PROJECT FACTOR: 1.000650402	
		Modified Coordinates = UTM Zone 13 X Combined Factor then Subtract 14,000,000 from Northing and 1,000,000 from Easting.	

MONUMENT LOCATION SKETCH - N.T.S.

SKETCH OF DISK

MONUMENT SET IN:

☒ IN GROUND
☐ IN CONCRETE
☐ IN STRUCTURE

WALK/DRIVE IN DIRECTIONS:
Control Monument is located at the I-225 on-ramp from Mississippi Ave. +/- 10' Easterly of highway fence and +/- 26' Northwestly of traffic sign and Westerly of S. Abilene St.

POINT NUMBER : 504		PROJECT: I-225 CORRIDOR	
LOCATION: Section 6, T4S, R66W, 6TH P.M.		DATE: September 2007	
MONUMENT DESCRIPTION:			
SET 30" LONG #6 REBAR IN 6" CONCRETE COLLAR WITH ATTACHED 3 1\4" BRASS CAP STAMPED "RTD CORRIDOR CONTROL POINT-#504-PLS 24942"			
MODIFIED PROJECT NORTHING (USFT): 436448.627		NORTHING (UTM 13 NORTH): 14427065.238	
MODIFIED PROJECT EASTING (USFT): 690899.717		EASTING (UTM 13 NORTH): 1689800.667	
ELEVATION (NAVD 88 USFT): 5435.43 sft		LATITUDE NAD83 (1992): 39°43'34.14866"N	
HORIZONTAL METHOD: STATIC GPS		LONGITUDE NAD83 (1992): 104°49'27.69715"W	
VERTICAL METHOD: LEVEL			
		COMBINED PROJECT FACTOR: 1.000650402	
		Modified Coordinates = UTM Zone 13 X Combined Factor then Subtract 14,000,000 from Northing and 1,000,000 from Easting.	

MONUMENT LOCATION SKETCH - N.T.S.

SKETCH OF DISK

MONUMENT SET IN:

☒ IN GROUND
☐ IN CONCRETE
☐ IN STRUCTURE

WALK/DRIVE IN DIRECTIONS:
Control Monument is located in the Northeast quadrant of I-225 and 6th Avenue. +/- 30' East of the guardrail for I-225 and +/- 60' North of the East bridge headwall for 6th Avenue.

POINT NUMBER : 504-B		PROJECT: I-225 CORRIDOR	
LOCATION: Section 7, T4S, R66W, 6TH P.M.		DATE: October 2008	
MONUMENT DESCRIPTION:			
SET 3 1\4" BRASS CAP IN SIDEWALK STAMPED "RTD CORRIDOR CONTROL POINT-#504-B-PLS 24942"			
MODIFIED PROJECT NORTHING (USFT): 436197.103		NORTHING (UTM 13 NORTH): 14426813.880	
MODIFIED PROJECT EASTING (USFT): 690117.656		EASTING (UTM 13 NORTH): 1689019.114	
ELEVATION (NAVD 88 USFT): 5421.43 sft		LATITUDE NAD83 (1992): 39°43'31.67854"N	
HORIZONTAL METHOD: STATIC GPS		LONGITUDE NAD83 (1992): 104°49'37.71016"W	
VERTICAL METHOD: LEVEL			
		COMBINED PROJECT FACTOR: 1.000650402	
		Modified Coordinates = UTM Zone 13 X Combined Factor then Subtract 14,000,000 from Northing and 1,000,000 from Easting.	

MONUMENT LOCATION SKETCH - N.T.S.

SKETCH OF DISK

MONUMENT SET IN:

☐ IN GROUND
☒ IN CONCRETE
☐ IN STRUCTURE

WALK/DRIVE IN DIRECTIONS:
Control Monument is located in the Southwest quadrant of I-225 and 6th Avenue. +/- 550' West of the I-225 overpass. Set in sidewalk at Northwest corner of driveway.

POINT NUMBER : 505		PROJECT: I-225 CORRIDOR	
LOCATION: Section 36, T3S, R67W, 6TH P.M.		DATE: September 2007	
MONUMENT DESCRIPTION:			
SET 30" LONG #6 REBAR IN 6" CONCRETE COLLAR WITH ATTACHED 3 1\4" BRASS CAP STAMPED "RTD CORRIDOR CONTROL POINT-#505-PLS 24942"			
MODIFIED PROJECT NORTHING (USFT): 442529.832		NORTHING (UTM 13 NORTH): 14433142.491	
MODIFIED PROJECT EASTING (USFT): 689708.956		EASTING (UTM 13 NORTH): 1688610.681	
ELEVATION (NAVD 88 USFT): 5380.88 sft		LATITUDE NAD83 (1992): 39°44'34.25544"N	
HORIZONTAL METHOD: STATIC GPS		LONGITUDE NAD83 (1992): 104°49'42.78460"W	
VERTICAL METHOD: LEVEL			
		COMBINED PROJECT FACTOR: 1.000650402	
		Modified Coordinates = UTM Zone 13 X Combined Factor then Subtract 14,000,000 from Northing and 1,000,000 from Easting.	

MONUMENT LOCATION SKETCH - N.T.S.

SKETCH OF DISK

MONUMENT SET IN:

☒ IN GROUND
☐ IN CONCRETE
☐ IN STRUCTURE

WALK/DRIVE IN DIRECTIONS:
Control Monument is located West of I-225 in the Southwest quadrant East 17th Place and Fitzsimmons Parkway. +/- 25' Southwestly of the Southwest corner of a storm inlet lying on the East side of sidewalk.

POINT NUMBER : 505-A		PROJECT: I-225 CORRIDOR	
LOCATION: Section 31, T3S, R66W, 6TH P.M.		DATE: September 2007	
MONUMENT DESCRIPTION:			
SET 30" LONG #6 REBAR IN 6" CONCRETE COLLAR WITH ATTACHED 3 1\4" BRASS CAP STAMPED "RTD CORRIDOR CONTROL POINT-#505-A-PLS 24942"			
MODIFIED PROJECT NORTHING (USFT): 441640.078		NORTHING (UTM 13 NORTH): 14432253.315	
MODIFIED PROJECT EASTING (USFT): 691591.132		EASTING (UTM 13 NORTH): 1690491.633	
ELEVATION (NAVD 88 USFT): 5376.23 sft		LATITUDE NAD83 (1992): 39°44'25.42816"N	
HORIZONTAL METHOD: STATIC GPS		LONGITUDE NAD83 (1992): 104°49'18.71819"W	
VERTICAL METHOD: LEVEL			
		COMBINED PROJECT FACTOR: 1.000650402	
		Modified Coordinates = UTM Zone 13 X Combined Factor then Subtract 14,000,000 from Northing and 1,000,000 from Easting.	

MONUMENT LOCATION SKETCH - N.T.S.

SKETCH OF DISK

MONUMENT SET IN:

☒ IN GROUND
☐ IN CONCRETE
☐ IN STRUCTURE

WALK/DRIVE IN DIRECTIONS:
Control Monument is located East of I-225 and North of Colfax Ave. South of the McDonalds restaurant. +/- 920' East of the I-225 overpass and +/- 27' Southeastly of monument sign in grassy area.

JACOBS™



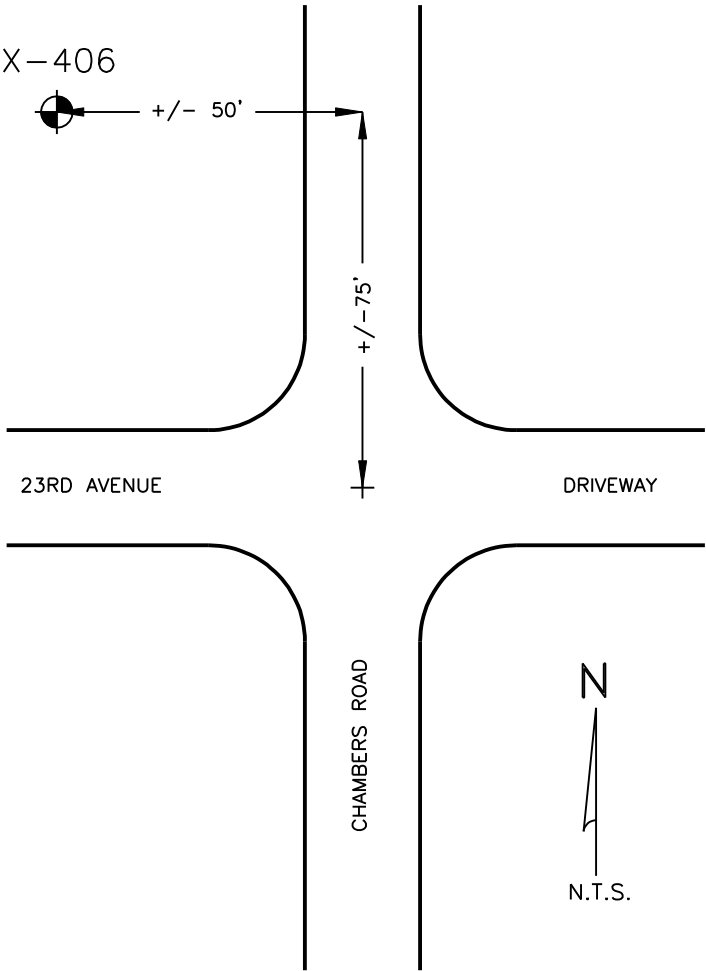
Sheet Revisions		
Date	Description	Initials
2/10	Modified Sheet for RTD use	DDH

Sheet Revisions		
Date	Description	Initials
mm/yy	XXXXXXX	XXX

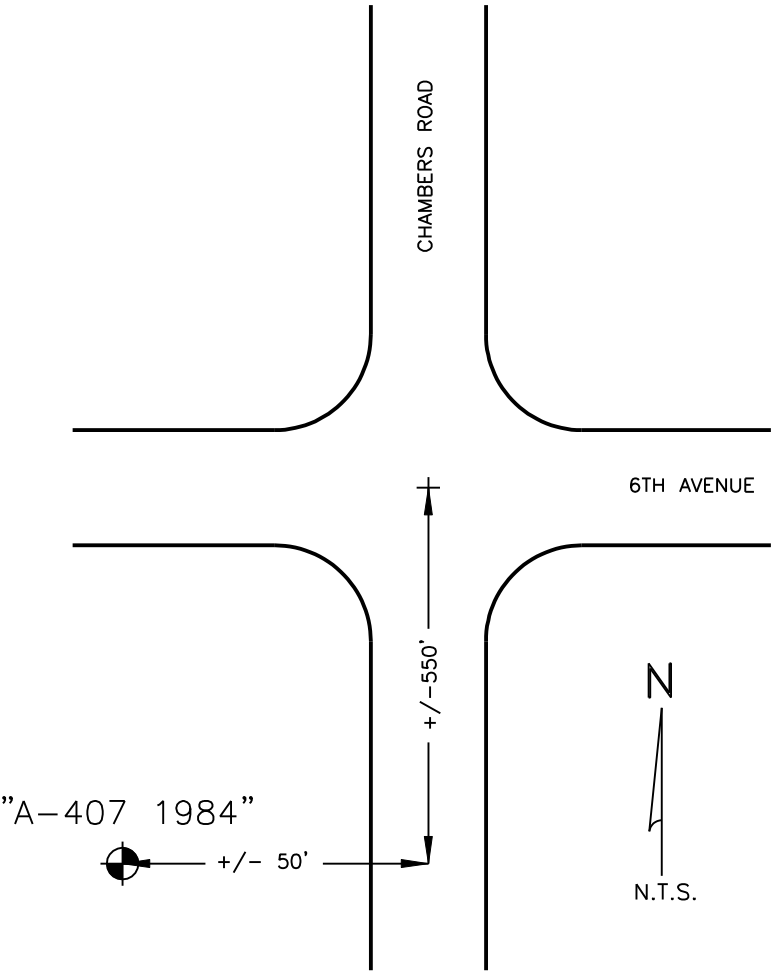
Sheet Revisions		
Date	Description	Initials
mm/yy	XXXXXXX	XXX

Right of Way Plans				
Land Survey Control Diagram				
Project Number: 072120				
Project Location: RTD I-225 CORRIDOR, SH-83 to I-70				
Project Code:	Last Mod. Date:	Subset	Sheet No.	
	08-29-11	9 of 16	3.09	

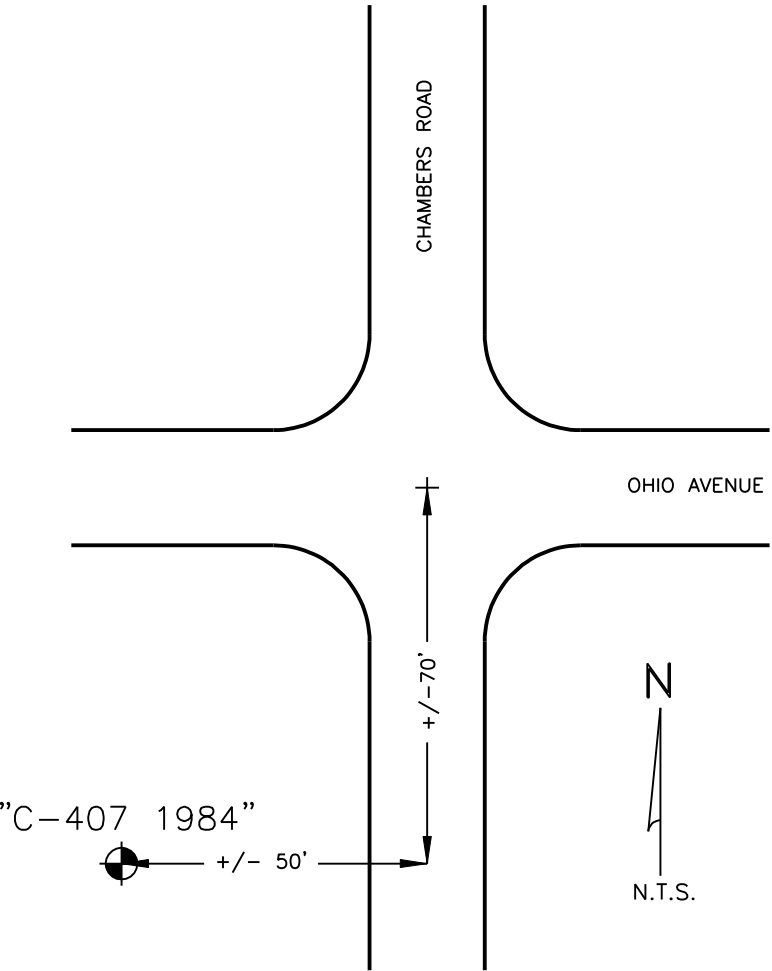
X-406
LATITUDE NAD83: 39°44'58"N
LONGITUDE NAD83: 104°48'37"W



A-407
LATITUDE NAD83: 39°43'26"N
LONGITUDE NAD83: 104°48'37"W



C-407
LATITUDE NAD83: 39°42'02"N
LONGITUDE NAD83: 104°48'37"W





2000 South Holly Street
Denver, CO 80222
Phone: (303) 757-9923 FAX: (303) 757-9390

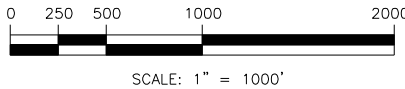
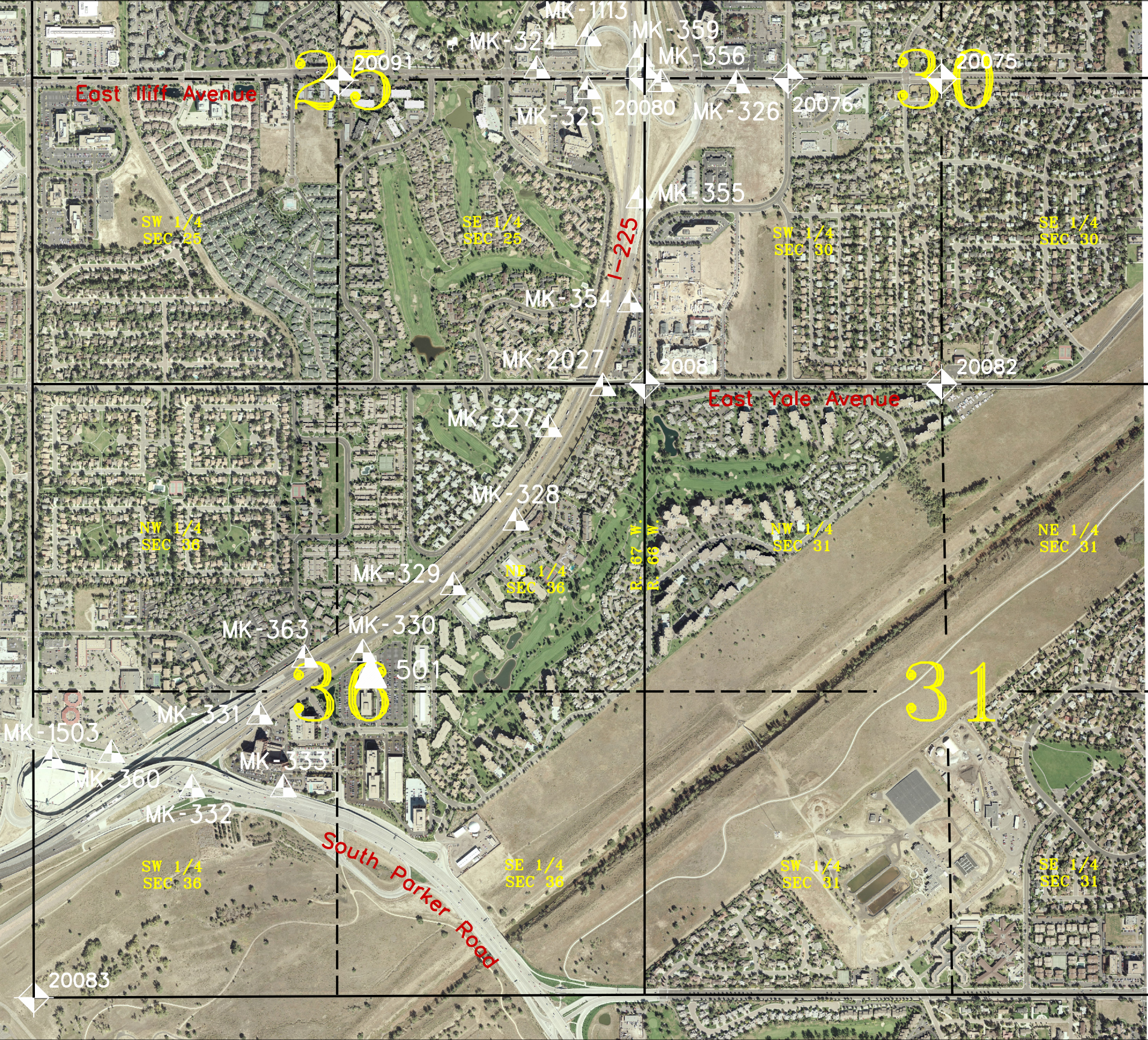
Region 6 S.L.K.

Sheet Revisions			Sheet Revisions		
Date	Description	Initials	Date	Description	Initials
2/10	Modified Sheet for RTD use	DDH		XXXXXXX	XXX

Township 4 South,
Range 67 West

Right of Way Plans			
Land Survey Control Diagram			
Project Number: 072120			
Project Location: RTD I-225 CORRIDOR, SH-83 to I-70			
Project Code:	Last Mod. Date:	Subset	Sheet No.
	08-29-11	10 of 16	3.10

SEE SHEET 3.11



JACOBS™

Colorado Department of Transportation



2000 South Holly Street
Denver, CO 80222
Phone: (303) 757-9923 FAX: (303) 757-9390

Region 6 S.L.K.

Sheet Revisions

Date	Description	Initials
2/10	Modified Sheet for RTD use	DDH

Sheet Revisions

Date	Description	Initials
mm/yy	XXXXXXX	XXX

Township 4 South,
Range 66 West

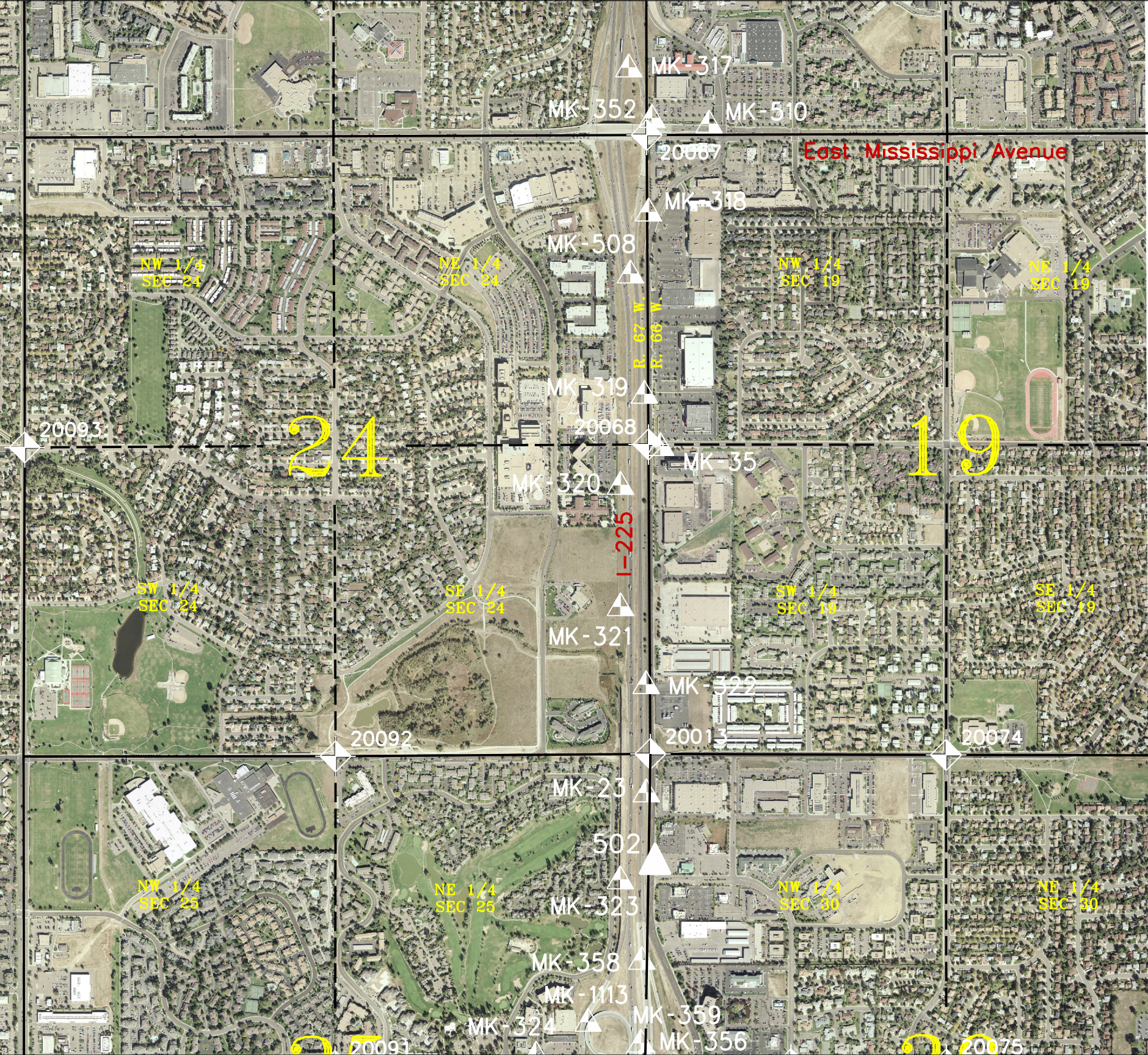
Right of Way Plans

Land Survey Control Diagram

Project Number: 072120
Project Location: RTD I-225 CORRIDOR, SH-83 to I-70

Project Code:	Last Mod. Date	Subset	Sheet No.
	08-29-11	11 of 16	3.11

SEE SHEET 3.12



SEE SHEET 3.10



Colorado Department of Transportation



2000 South Holly Street
Denver, CO 80222
Phone: (303) 757-9923 FAX: (303) 757-9390

Region 6

S.L.K.

Sheet Revisions

Date	Description	Initials
2/10	Modified Sheet for RTD use	DDH

Sheet Revisions

Date	Description	Initials
mm/yy	XXXXXXX	XXX

Township 4 South,
Range 66 West

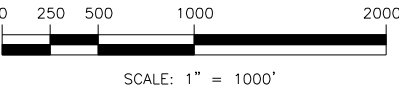
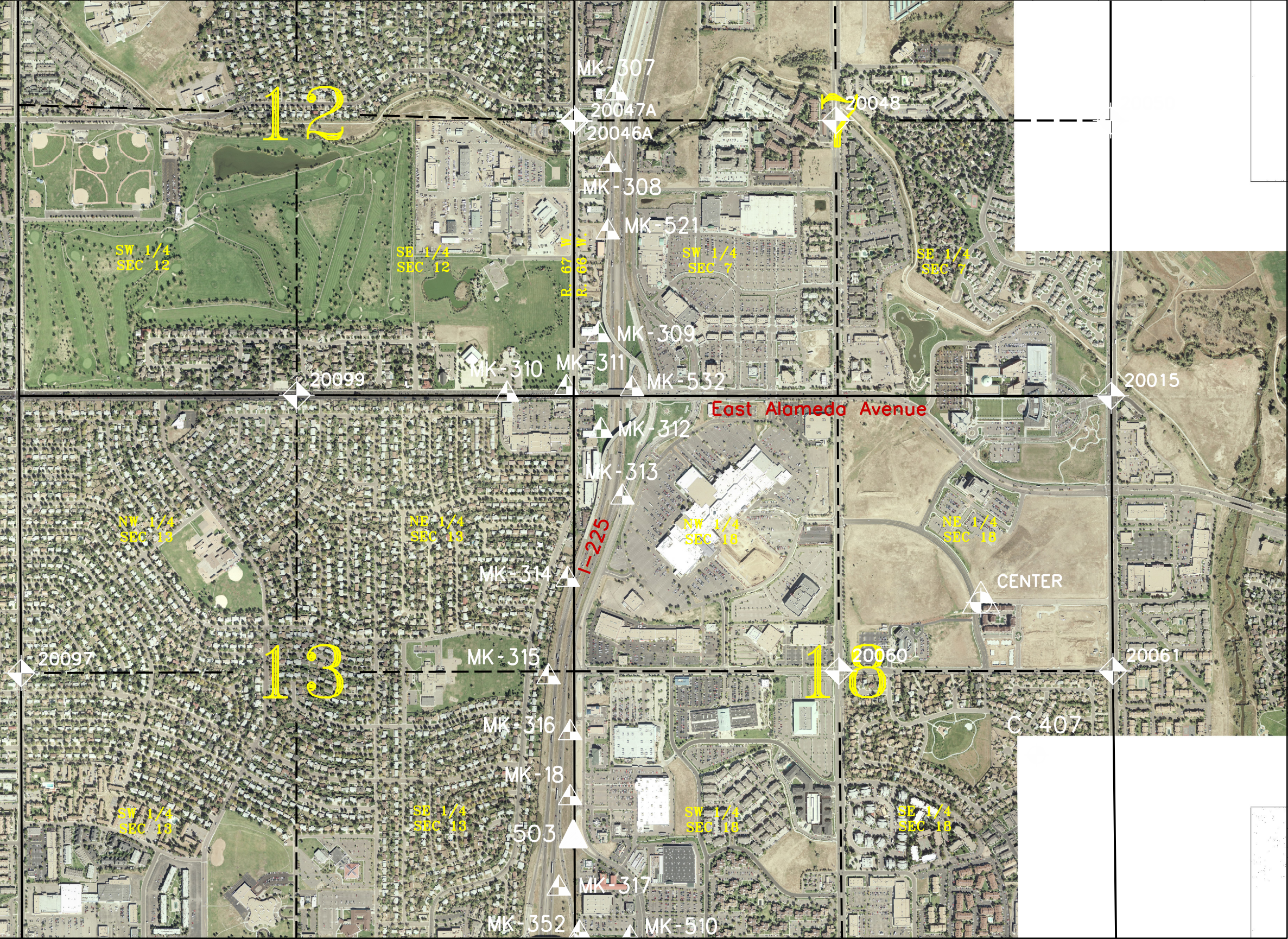
Right of Way Plans

Land Survey Control Diagram

Project Number: 072120
Project Location: RTD I-225 CORRIDOR, SH-83 to I-70

Project Code:	Last Mod. Date	Subset	Sheet No.
	08-29-11	12 of 16	3.12

SEE SHEET 3.13



JACOBS™

SEE SHEET 3.11

Colorado Department of Transportation



2000 South Holly Street
Denver, CO 80222
Phone: (303) 757-9923 FAX: (303) 757-9390

Region 6

S.L.K.

Sheet Revisions

Date	Description	Initials
10/08	REMOVED POINT 504-A SET & CONTROLLED POINT 504-B	DDH
2/09	Add Desc. for Point 20001	DDH
3/09	Verified Location Point 20001	DDH
2/10	Modified Sheet for RTD use	DDH

Sheet Revisions

Date	Description	Initials
mm/yy	XXXXXXXX	XXX

Townships 3 & 4 South,
Range 66 West

Right of Way Plans

Land Survey Control Diagram

Project Number: 072120
Project Location: RTD I-225 CORRIDOR, SH-83 to I-70

Project Code: Last Mod. Date Subset Sheet No.
08-29-11 13 of 16 3.13

SEE SHEET 3.14

T. 3 S.
T. 4 S.



SCALE: 1" = 1000'

JACOBS™

SEE SHEET 3.12

Colorado Department of Transportation



2000 South Holly Street
Denver, CO 80222
Phone: (303) 757-9923 FAX: (303) 757-9390

Region 6 S.L.K.

Sheet Revisions

Date	Description	Initials
2/09	Add Desc. for Point 20001	DDH
3/09	Verified Location Point 20001	DDH
2/10	Modified Sheet for RTD use	DDH

Sheet Revisions

Date	Description	Initials
mm/yy	XXXXXXX	XXX

Township 3 South,
Ranges 66 & 67 West

Right of Way Plans

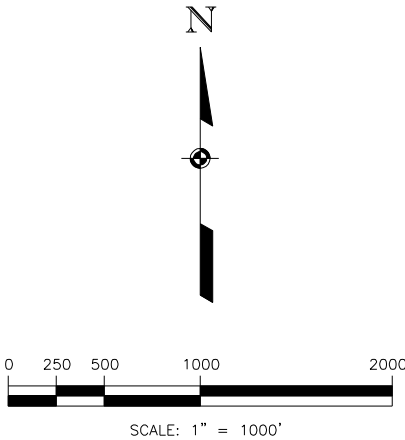
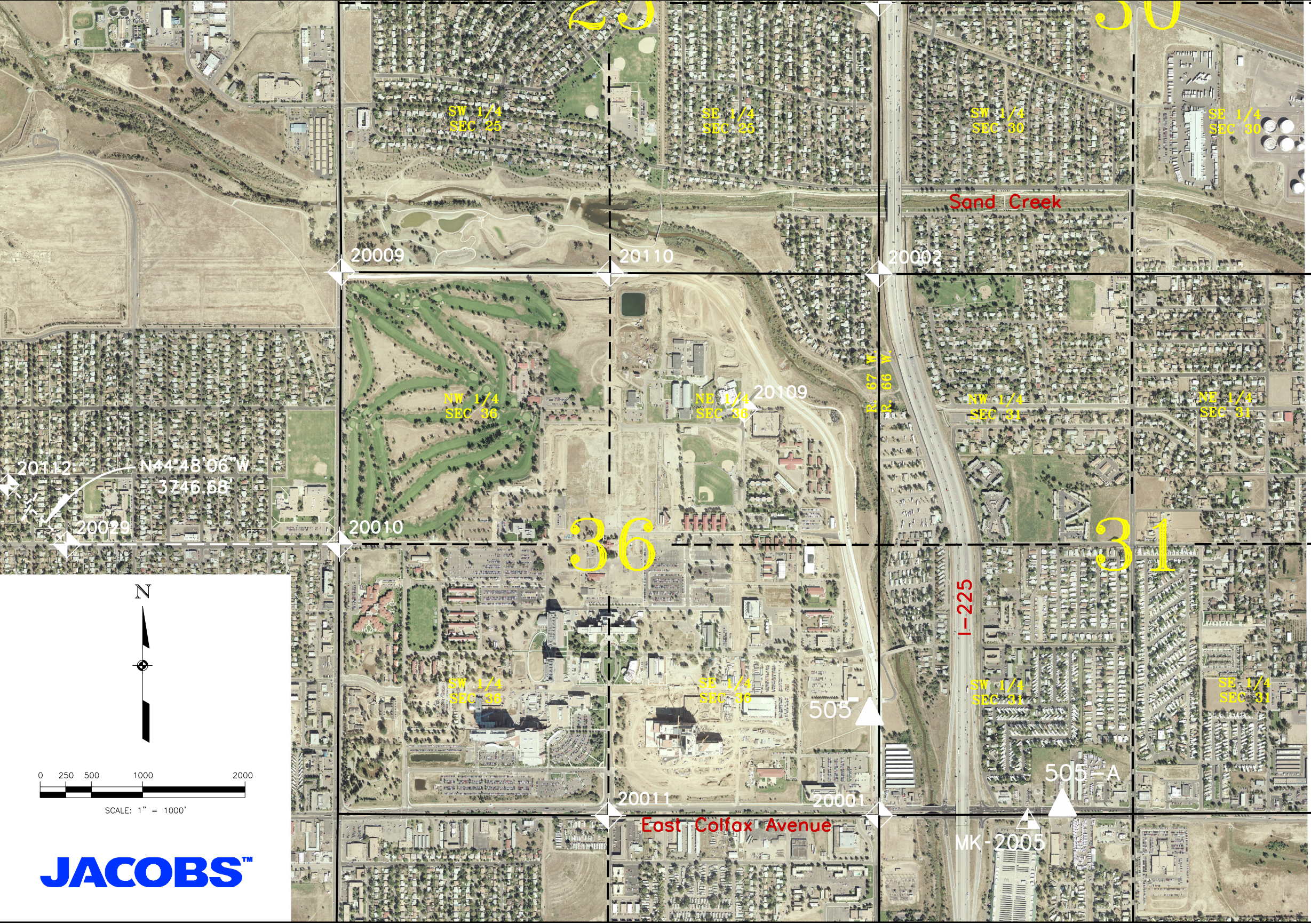
Land Survey Control Diagram

Project Number: 072120
Project Location: RTD I-225 CORRIDOR, SH-83 to I-70

Project Code:	Last Mod. Date	Subset	Sheet No.
	08-29-11	14 of 16	3.14

SEE SHEET 3.15

T. 3 S.
T. 4 S.



JACOBS™

SEE SHEET 3.13

Colorado Department of Transportation



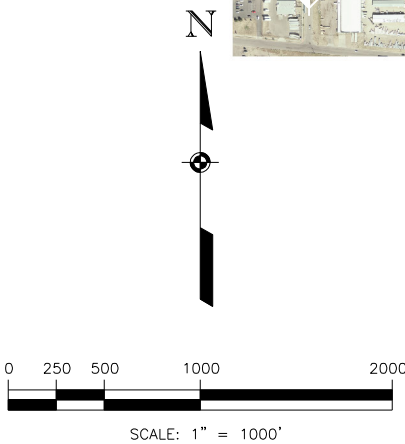
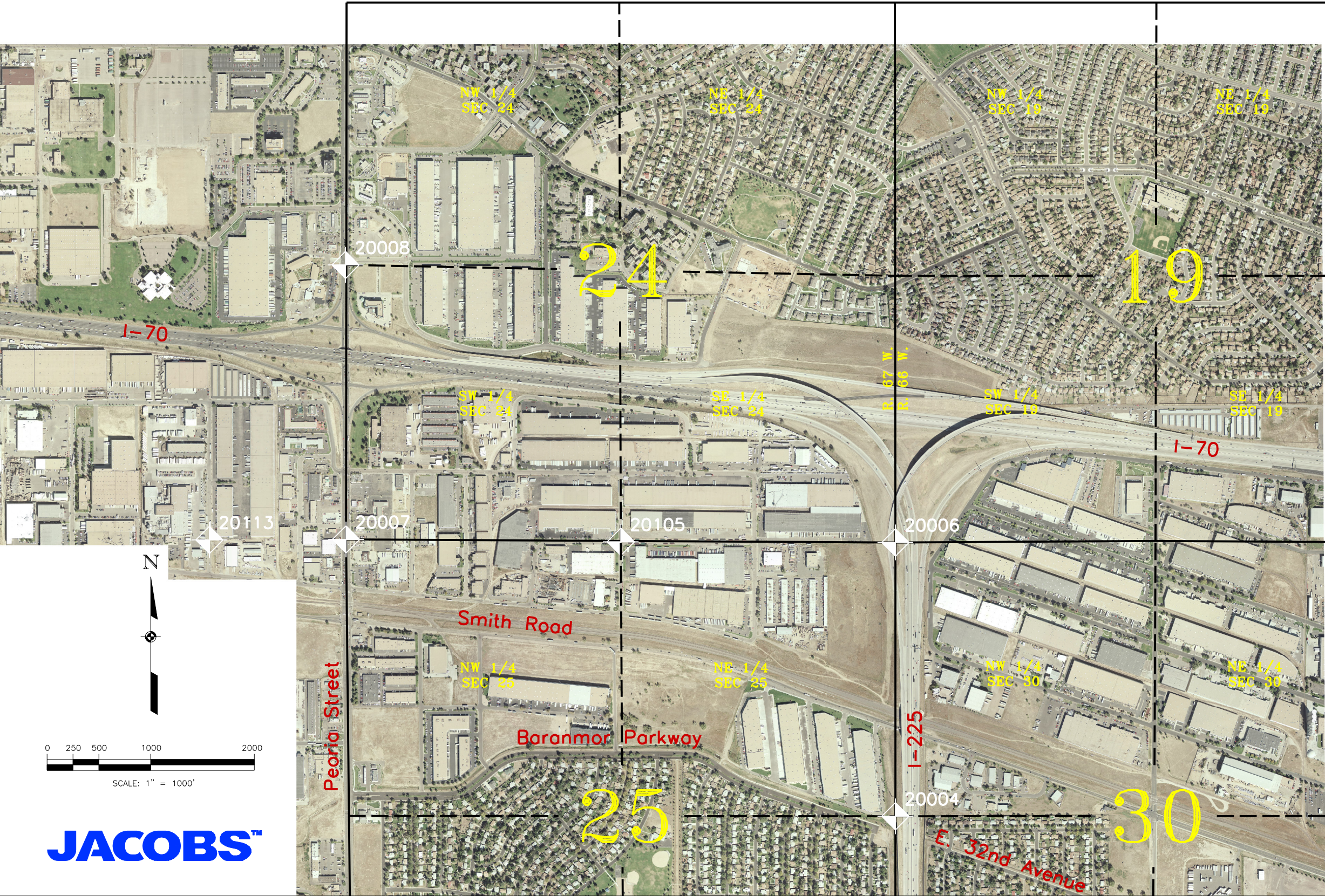
2000 South Holly Street
Denver, CO 80222
Phone: (303) 757-9923 FAX: (303) 757-9390

Region 6 S.L.K.

Sheet Revisions			Sheet Revisions		
Date	Description	Initials	Date	Description	Initials
2/10	Modified Sheet for RTD use	DDH	mm/yy	XXXXXXX	XXX

Township 3 South,
Ranges 66 & 67 West

Right of Way Plans			
Land Survey Control Diagram			
Project Number: 072120			
Project Location: RTD I-225 CORRIDOR, SH-83 to I-70			
Project Code:	Last Mod. Date:	Subset	Sheet No.
	08-29-11	15 of 16	3.15



JACOBS™

8/29/2011 01:05:44 PM k:\072120_Fastracks\225 CORRIDOR\Drawings\ROW\Control_Diagram\CDOT-225_CONTROL.dgn

SEE SHEET 3.14



Sheet Revisions

Date	Description	Initials

Sheet Revisions

Date	Description	Initials



707 17th Street, Suite 2300
Denver, Colorado 80202
Phone: 303-820-5240
Fax: 303-820-5298

Right of Way Plans

Plan Sheets

CDOT Project Number: IM 2254-076 UNIT 1				
RTD Project Location: Fastracks I-225 Corridor				
Project Location: S. Parker Rd to E. Mississippi Ave				
Project Code:	Last Mod. Date:	Subset Sheets:	Sheet No.:	Total No. of Sheets:
17083	08-29-11	16 of 16	3.16	16

DEPARTMENT OF TRANSPORTATION
STATE OF COLORADO

SUPPLEMENTAL LAND SURVEY CONTROL DIAGRAM
to FEDERAL AID PROJECT NO. IM 2254-076 UNIT 1
STATE HIGHWAY I-225

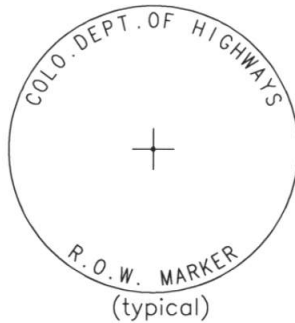
ARAPAHOE COUNTY, COLORADO

Sec.'s 36, 25 & 24 T. 4 S., R. 67 W., 6th P.M.

Sec. 30 & 19 T. 4 S., R. 66 W., 6th P.M.

FOUND ROW MONUMENT COORDINATE TABLE

Point	Northing	Easting	Description
20005	412924.350	687618.567	Fnd 3.25" Brass Cap on a 6" dia. conc post
20007	424463.271	689523.292	Fnd 3.25" Brass Cap on a 6" dia. conc post
20008	421539.671	689558.408	Fnd 3.25" Brass Cap on a 6" dia. conc post
20009	417025.439	689443.840	Fnd 3.25" Brass Cap on a 6" dia. conc post
20010	413174.174	687452.688	Fnd 3.25" Brass Cap on a 6" dia. conc post



Scale: 1" = 800'

GENERAL NOTES

(Reference See RTD Project No. 072120 Land Survey Control Diagram)

1. HORIZONTAL CONTROL:
Project horizontal information was derived from static GPS observations utilizing NAD 83 (1992) published values on NGS points throughout the control network areas. The following NGS monuments were fixed horizontally in the project control calculations:
MCDONNELL, PENA, B394, CENTER, COMMITMENT, HILLCREST, E 393, K 406. The control shown hereon is project specific ground control, US Survey Feet (sft).

2. This Supplemental Land survey Control diagram is to document the recovery of survey points that will be the basis of future surveys for design purposes, right-of-way acquisitions, monumentation, and/or roadway construction. This Supplemental Land Survey Control Diagram is not a Land Survey Plat, Boundary Survey or Right of Way Plat, and does not address matters of title.

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 certification shown hereon.



FILING CERTIFICATE

Deposited this _____ day of _____, 2011 at _____,
in book _____ of the County Clerk & Recorders Land Survey
/Right-of-Way Surveys at Page(s) _____, Reception No. _____

County Surveyor

SURVEYOR STATEMENT
(SUPPLEMENTAL LAND SURVEY CONTROL DIAGRAM)

I, Kenneth W. Carlson, a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation that this Land Survey Control Diagram was prepared and the field survey it represents was performed under my responsible charge and, based upon my knowledge, information and belief is in accordance with applicable standards of practice defined by Colorado Department of Transportation publications. This statement is not a guaranty or warranty, either expressed or implied.

PLS No. 24942

