12275 U3

DEPARTMENT OF TRANSPORTATION
STATE OF COLORADO

Right of Way Plans
For
COLORADO PROJECT NO. CR 200-070 UNIT III

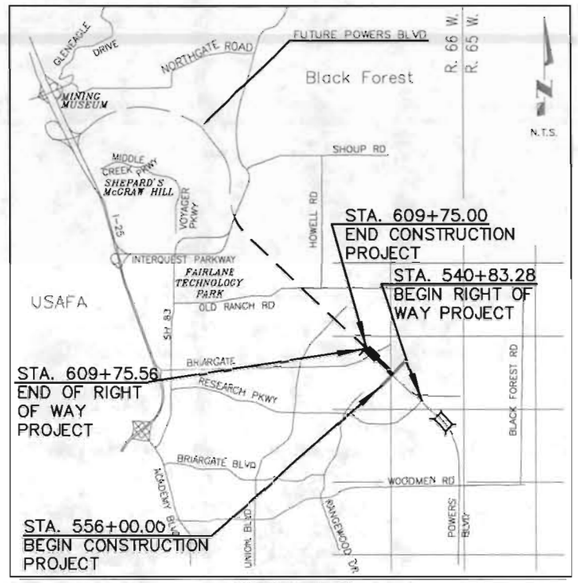
POWERS BOULEVARD - TO BRIARGATE PARKWAY

Research Parkway to Briargate Parkway
EL PASO COUNTY

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 — OP=OPENING — 24'OP — 16'OP — E.O.A.
RIGHT OF WAY LINE — R.O.W. MONUMENT
PROTECTED BY FREEWAY LAW (VIRGIN LOCATION)
TOP OF CUTS
TOE OF FILLS
BARBED WIRE FENCE
CHAIN LINK FENCE
BARRIER FENCE
WOVEN WIRE-COMBINATION FENCE
SNOW FENCE
WOOD FENCE
DEER FENCE
GUARDRAIL (DOUBLE)
GUARDRAIL (METAL TYPES) — TYPE — EXIST. — TYPE — NEW
CONCRETE BARRIER — TYPE — EXIST. — TYPE — NEW
DELINEATORS — TYPE I II III
SIDEWALK — EXIST. — NEW
CURB OR CURB AND GUTTER — TYPE — EXIST. — TYPE — NEW
GUTTER — TYPE — EXIST. — TYPE — NEW
UNDERGROUND TV CABLE
DEADMAN OR ANCHOR ON POLE
BURIED TEL. CABLE — EXIST. — NEW
BURIED ELECTRIC CABLE — EXIST. — NEW
FIBER OPTICS CABLE — EXIST. — NEW
BRIDGE LUMINAIRE — WALL — CEILING
MAIL BOX — M.B.
SIGNS — (SINGLE POST) — (DOUBLE POST)
BENCH MARK — B.M.
TRIANGULATION POINT — TRI.PT.
SILT FENCE — SF
EROSION BALES
EDGE OF WETLANDS
GAS MAIN — 6" EXIST. — 6" NEW
OIL MAIN — 10" EXIST. — 10" NEW
WATER MAIN — 4" EXIST. — 4" NEW
WATER VALVE — W.V.
FIRE HYDRANT — F.H.
GAS METER — G
WATER METER — W
SANITARY SEWERS — SAN. — 12" EXIST. — SAN. — 12" NEW
STORM DRAIN — M.H. — 18" EXIST. — INLET S.D. — M.H. — 18" NEW — INLET S.D.
TEL. & CABLE TV POLES — EXIST. — NEW — RELOCATED — TO BE REMOVED
ELECTRIC LINES — EXIST. — NEW — RELOCATED — TO BE REMOVED
LIGHT STANDARD — EXIST. — NEW — RELOCATED — TO BE REMOVED
HIGH MAST LIGHT STANDARD — EXIST. — NEW — RELOCATED — TO BE REMOVED
ELEC. TRANS. TOWER — EXIST. — NEW — RELOCATED — TO BE REMOVED

ROAD APPROACHES — R.O.W. — NEW — EXISTING
SECTION CORNER — 1 6 12 7 — CENTER OF SECTION — 12
TIES TO SECTION CORNER — STA. — DISTANCE — ANGLE
CULVERTS & DRAINS — PROPOSED — EXISTING — NO HDWL. — 1 HDWL. — 2 HDWLS. — END SECTIONS
PROPOSED — EXISTING — SIPHON — CBC
BRIDGES — PROPOSED — EXISTING
WATER — RIVER — LAKE — CREEK — DIRECTION OF FLOW — DITCH — PROPOSED DITCH



LOCATION MAP
N.T.S.

SHEET NO.	INDEX OF SHEETS
1	TITLE SHEET
2-2B	PROPERTY OWNERSHIP TABULATIONS
3-3D	CONTROL DIAGRAMS
4	CONTROL AND MONUMENTATION
5-7	OWNERSHIP PLANS
8-9	OWNERSHIP PLANS

LENGTH OF PROJECT: 1.31 MILES
6892.28 FEET

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Authorized: _____ _____ **Date**

_____
Division Administrator

BASIS OF BEARING: THE BEARINGS FOR THIS PROJECT ARE BASED ON A LINE BETWEEN THE SOUTHEAST CORNER OF SECTION 36, TOWNSHIP 12 SOUTH, RANGE 66 WEST OF THE 6th PRINCIPAL MERIDIAN (3 1/4" AL CAP STAMPED "LS 10956") AND THE EAST QUARTER CORNER OF SECTION 36, TOWNSHIP 12 SOUTH, RANGE 66 WEST OF THE 6th PRINCIPAL MERIDIAN (3 1/4" AL CAP STAMPED "LS 10956") WHICH BEARS NORTH 00°35'24" WEST A DISTANCE OF 2,640.56 FEET.

URS
9960 Federal Drive # 300
Colorado Springs, CO 80921
(719) 531-0001
Fax (719) 531-0007

Computer File Information			
Creation Date: 02/07/01	Initials: JAB	(R-)	
Last Modification Date: 12/17/01	Initials: CST	(R-)	
Full Path:S031ntfile1\674213ROW\SDSK-ROW\DWG		(R-)	
Drawing File Name: title-ROW - ROWPR.DWG		(R-)	
Acad. Ver. LDD2	Scale: N.T.S.	Units: Feet	(R-)

Index of Revisions		

DOT
DEPARTMENT OF TRANSPORTATION
Region 2
905 Erie Avenue
Pueblo, CO 81002
(719) 546-5454
Fax (719) 546-5414

As Constructed	RIGHT OF WAY TITLE SHEET		Project No./Code
No Revisions:			CR 200-070
Revised:	Designer: CWB	Structure Numbers	12275
Void:	Detailer: JAB		Sheet Number 1
	SheetSubset:	Subset Sheets:	

R.O.W. TABULATION OF PROPERTIES IN EL PASO COUNTY

POWERS BLVD
RESEARCH TO BRIARGATE
COLORADO SPRINGS, CO

RIGHT OF WAY

PARCEL NO.	OWNER	ADDRESS	LOCATION	AREA IN ACRES (SQUARE FEET)					PARCEL NO.	REMARKS
				AREA OF PARCEL	EXISTING ROW	NET AREA	REMAINDER LEFT	REMAINDER RIGHT		
301	LP47 LLC	2315 BRIARGATE PKWY STE 100	PORTION SEC 1 T13S R66W	0.98		.98		128.02	301	TO BE ACQUIRED BY THE CITY OF
		COLORADO SPRINGS, CO 80920	& PORTION SEC 36 T12S							COLORADO SPRINGS
			R66W OF 6TH PM							
SE301	SAME	SAME	SAME	0.69					SE301	FOR THE GRADING AND MAINTENANCE
										OF SLOPES – TO BE ACQUIRED BY THE
										CITY OF COLORADO SPRINGS
SE302	CAROLYN S. JENKINS	C/O NORWOOD LTD INC	NW4 SE4 SEC 36 T12S	752 SF					SE302	FOR THE GRADING AND MAINTENANCE
		4065 S. SINTON RD STE 200	R66W OF 6TH PM							OF SLOPES – TO BE ACQUIRED BY THE
		COLORADO SPRINGS, CO 80907								CITY OF COLORADO SPRINGS
303	LP47 LLC	2315 BRIARGATE PKWY STE 100	SW4 SEC36 T12S R66W	7.61		7.61	11.56		303	TO BE ACQUIRED BY THE CITY OF
		COLORADO SPRINGS, CO 80920	OF 6TH PM							COLORADO SPRINGS
304	LP47 LLC	2315 BRIARGATE PKWY STE 100	PORTION OF W2 SEC 36	4.58		4.58			304	TO BE ACQUIRED BY THE CITY OF
		COLORADO SPRINGS, CO 80920	T12S, R66W OF 6TH PM							COLORADO SPRINGS
304A	SAME	SAME	SAME	1.75		1.75			304A	
								171.62		304 REMAINDER
SE304	SAME	SAME	SAME	3.26					SE304	FOR THE GRADING AND MAINTENANCE
										OF SLOPES – TO BE ACQUIRED BY THE
										CITY OF COLORADO SPRINGS

Job #: 6742413

Computer File Information		
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Last Modification Date: 12/17/01	Initials: CST	
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Acad. Ver. LDD2	Scale: N.T.S.	Units: Feet

Index of Revisions

DOT
DEPARTMENT OF TRANSPORTATION
Region 2

905 Erie Avenue
Pueblo, CO 81002
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Fax (719) 546-5414

As Constructed
No Revisions:
Revised:
Void:

RIGHT OF WAY TABULATION SHEET

Designer: CWB
Detailer: JAB
SheetSubset:
Structure Numbers
Subset Sheets: 1 of 3

Project No./Code
CR 200-070
12275
Sheet Number 2

R.O.W. TABULATION OF PROPERTIES IN EL PASO COUNTY

POWERS BLVD
RESEARCH TO BRIARGATE
COLORADO SPRINGS, CO

RIGHT OF WAY

PARCEL NO.	OWNER	ADDRESS	LOCATION	AREA IN ACRES (SQUARE FEET)					PARCEL NO.	REMARKS
				AREA OF PARCEL	EXISTING ROW	NET AREA	REMAINDER LEFT	REMAINDER RIGHT		
305	LP47 LLC	2315 BRIARGATE PKWY STE 100	PT NE4 SEC 35, SE4 SEC 26	33.11		33.11			305	TO BE ACQUIRED BY THE CITY OF
		COLORADO SPRINGS, CO 80920	T12S R66W OF THE 6TH PM							COLORADO SPRINGS
305A	SAME	SAME	SAME	0.17		0.17			305A	
305B	SAME	SAME	SAME	0.16		0.16			305B	
							739.34 LT/RT			305 REMAINDER
SE305	SAME	SAME	SAME	2.72					SE305	FOR THE GRADING AND MAINTENANCE
										OF SLOPES – TO BE ACQUIRED BY THE
										CITY OF COLORADO SPRINGS
SE305A	SAME	SAME	SAME	1.28					SE305A	FOR THE GRADING AND MAINTENANCE
										OF SLOPES – TO BE ACQUIRED BY THE
										CITY OF COLORADO SPRINGS
SE305B	SAME	SAME	SAME	0.61					SE305B	FOR THE GRADING AND MAINTENANCE
										OF SLOPES – TO BE ACQUIRED BY THE
										CITY OF COLORADO SPRINGS
SE305C	SAME	SAME	SAME	1.39					SE305C	FOR THE GRADING AND MAINTENANCE
										OF SLOPES – TO BE ACQUIRED BY THE
										CITY OF COLORADO SPRINGS
TE305	SAME	SAME	SAME	2.08					TE305	FOR THE GRADING AND MAINTENANCE
										OF SLOPES – TO BE ACQUIRED BY THE
										CITY OF COLORADO SPRINGS

URS Job # 6742413

Computer File Information	
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Drawing File Name: tabulation-ROW – ROWPR.DWG	
Acad. Ver. LDD2	Scale: N.T.S. Units: Feet

	REV_INDEX		
R-1	04/01/02	REVISED_REMAINING	CST
R-		AREA_PARCEL_305	
R-			
R-			
R-			

CDOT
DEPARTMENT OF TRANSPORTATION
Region 2

905 Erie Avenue
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As Constructed
No Revisions:
Revised:
Void:

RIGHT OF WAY
TABULATION SHEET

Designer: CWB
Detailer: JAB
SheetSubset:
Structure Numbers
Subset Sheets: 2 of 3

Project No./Code
CR 200-070
12275
Sheet Number 2A

R.O.W. TABULATION OF PROPERTIES IN EL PASO COUNTY

POWERS BLVD
RESEARCH TO BRIARGATE
COLORADO SPRINGS, CO

RIGHT OF WAY

PARCEL NO.	OWNER	ADDRESS	LOCATION	AREA IN ACRES (SQUARE FEET)					PARCEL NO.	REMARKS
				AREA OF PARCEL	EXISTING ROW	NET AREA	REMAINDER LEFT	REMAINDER RIGHT		
TE306	LP47 LLC	2315 BRIARGATE PKWY STE 100	LOT 25 GATEHOUSE VILLAGE	628 SF					TE306	FOR THE GRADING AND MAINTENANCE
		COLORADO SPRINGS, CO 80920	AT BRIARGATE FILING 12							OF SLOPES – TO BE ACQUIRED BY THE
			NE4 SEC 35 T12S R66W							CITY OF COLORADO SPRINGS
			OF 6TH PM							
TE307	LP47 LLC	2315 BRIARGATE PKWY STE 100	LOT 24 GATEHOUSE VILLAGE	0.09					TE307	FOR THE GRADING AND MAINTENANCE
		COLORADO SPRINGS, CO 80920	AT BRIARGATE FILING 12							OF SLOPES – TO BE ACQUIRED BY THE
			NE4 SEC 35 T12S R66W							CITY OF COLORADO SPRINGS
			OF 6TH PM							
308	STATE OF COLORADO	DENVER, CO 80202	PT W2 SEC 36 T12S	19.45			0.00		308	TO BE ACQUIRED BY THE CITY OF
			R66W OF THE 6TH PM							COLORADO SPRINGS
309	TCA BUILDING CORP.	8650 SCARBOROUGH DR.	PT W2 SEC 36 T12S	0.75		0.75	7.01		309	TO BE ACQUIRED BY THE CITY OF
		COLORADO SPRINGS, CO 80920	R66W OF THE 6TH PM							COLORADO SPRINGS

Computer File Information			
Creation Date: 02/08/01	Initials: JAB		
Last Modification Date: 12/17/01	Initials: CST		
Full Path: S031ntfile1\6742413row\SDSK-ROW\dwg			
Drawing File Name: tabulation-ROW – ROWPR.DWG			
Acad. Ver. LDD2	Scale: N.T.S.	Units: Feet	

Index of Revisions

CDOT DEPARTMENT OF TRANSPORTATION
Region 2

905 Erie Avenue
Pueblo, CO 81002
(719) 546-5454
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Revised:
Void:

RIGHT OF WAY TABULATION SHEET

Designer: CWB
Detailer: JAB
SheetSubset:
Structure Numbers
Subset Sheets: 3 of 3

Project No./Code
CR 200-070
12275
Sheet Number 2B

URS Job #: 6742413

DEPARTMENT OF TRANSPORTATION – STATE OF COLORADO

CONTROL SURVEY DIAGRAM

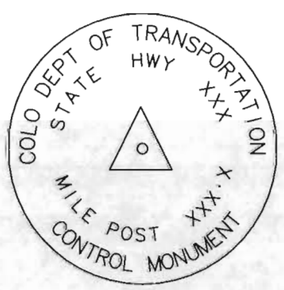
Project STU M240–014
POWERS BOULEVARD EXTENTION
Section 1, T. 13 S., R. 66 W.
Section 31, T. 13 S., R. 65 W.
Section 6, T. 13 S., R65 W.
Sections 21, 22, 26, 27, 35, and 36,
T. 12 S., R. 66 W.
EL PASO COUNTY, COLORADO
Prepared by: Abel Engineering Professionals, Inc.

FILING CERTIFICATION:
DEPOSITED THIS ____ DAY OF _____, 19____, AT _____M. FOR INFORMATION
ONLY IN BOOK _____ OF THE COUNTY LAND SURVEYS/RIGHT OF WAY
SURVEYS AT PAGE _____, RECEPTION NUMBER _____

SIGNED: _____
DEPT.: _____

ALIQUOT CORNER SUMMARY TABLE
(MODIFIED GRID COORDINATES)

POINT NAME	MODIFIED GRID COORDINATES		DESCRIPTION
	NORTHING (ft)	EASTING (ft)	
100	1404868.435	3223238.265	"SE COR. SEC. 1, T13S, R66W, FND 3 1/4""ALUM CAP – LS #12368"
101	1407303.691	3223232.394	"E1/4 COR. SEC. 1, T13S, R66W, FND NO 5 REBAR AND CAP – LS# 11330"
103	1404820.829	3225864.34	"S1/4 COR. SEC. 6, T13S, R65W, FND 3 1/4"" ALUM CAP – LS# 18235"
104	1404933.966	3228484.088	"SE COR SEC. 6, T13S, R65W, FND 3 1/4"" ALUM CAP– LS# 17496 IN MON. BOX"
106	1410005.665	3228550.045	"NE COR. SEC. 6, T13S, R65W,FND #6 REB, NO CAP, ACCESSORIES PER MON RECORD"
107	1412644.562	3228540.678	"E1/4 COR. SEC.31, T12S, R65W, FND # 6 REB, NO CAP, ACCESSORIES PER MON RECORD"
108	1415282.301	3228538.476	"NE COR. SEC.31, T12S, R65W, FND #6 REB, NO CAP, ACCESSORIES PER MON RECORD"
109	1409938.725	3223226.58	"NW COR. SEC. 6, T13S, R65W, FND 3 1/4"" ALUM CAP – LS# 10956"
110	1412579.15	3223199.393	"W1/4 COR. SEC.31, T12S, R65W, FND 3 1/4"" ALUM CAP – LS# 10956"
111	1415226.305	3223172.42	"NW COR. SEC.31, T12S, R65W, FND 3 1/4"" ALUM CAP – LS# 10956"
112	1415254.687	3225898.213	"N1/4 COR. SEC. 31, T12S, R65W, FND 3 1/4"" ALUM CAP – LS# 10376"
113	1409972.267	3225930.56	"S1/4 COR. SEC. 31, T12S, R65W, FND 3 1/4 ALUM CAP – LS# 10376"
114	1404646.16	3220590.153	"S1/4 COR. SEC. 1, T13S, R66W, FND 3 1/4"" AL CAP – LS# 12488"
115	1404624.912	3217949.057	"SW COR. SEC. 1, T13S, R66W, FND # 4 REB, NO CAP, ACCESSORIES PER MON RECORD"
116	1407257.346	3217947.968	"W1/4 COR. SEC 1, T13S, R66W, FND 3 1/4"" ALUM CAP – LS# 4842"
117	1409887.124	3217946.841	"NW COR. SEC. 1, T13S, R66W, FND 3 1/4"" ALUM CAP – LS# 10956"
119	1415175.915	3217893.388	"NW COR. SEC. 36, T12S, R66W, FND 3 1/4"" ALUM CAP – LS# 10956"
120	1415201.191	3220532.956	"N1/4 COR. SEC. 36, T12S, R66W, FND 3 1/4"" ALUM CAP – LS# 10956"
121	1409913.788	3220586.767	"S1/4 COR. SEC. 36, T12S, R66W, FND #6 REB W/ PLAS CAP – LS 11330, BENT, NO TIES FND"
140	1415151.618	3215254.638	"N 1/4 COR. SEC. 35, T12S, R66W, FND 3 1/4"" ALUM CAP – LS#1 0956"
142	1417758.034	3212588.844	"W1/4 COR.SEC. 26, T12S, R66W, FND 3 1/4"" ALUM CAP – LS# 10376"
144	1420425.518	3215205.505	"N1/4 COR. SEC.26, T12S, R66W, FND 3 1/4"" ALUM CAP – LS# 10376 "
145	1420457.468	3217850.017	"NE COR. SEC.26, T12S, R66W, FND 3 1/4"" ALUM CAP – LS# 10376 "
146	1417816.532	3217871.844	"E1/4 COR 26. SEC.26, T12S, R66W, FND 3 1/4"" ALUM CAP – LS# 10376"
147	1415105.326	3209983.36	"S1/4 COR. SEC.27, T12S, R66W, FND 3 1/4"" ALUM CAP – LS# 10956"
150	1420371.391	3207314.539	"NW COR. SEC.27, T12S, R66W, FND 3 1/4"" ALUM CAP – LS# 10956"
151	1420342.578	3209938.003	"N1/4 COR. SEC.27, T12S, R66W, FND 3 1/4"" ALUM CAP REFERENCE MON – LS# 10956, 40' S"
152	1423002.056	3207297.035	"W1/4 COR. SEC. 22, T12S, R66W, FND ALUM PIPE, BENT"
153	1425659.887	3207273.648	"NW COR. SEC.22, T12S, R66W, FND 3 1/4"" ALUM CAP – LS# 10376"
154	1425632.449	3209856.601	"N1/4 COR. SEC.22, T12S, R66W, FND 3 1/4"" ALUM CAP – LS# 10377"
155	1425685.183	3212503.642	"NE COR SEC 22, T12S, R66W, FND 3 1/4"" ALUM CAP – LS# 27270"
157	1420334.65	3204672.799	"S1/4 COR. SEC. 21, T12S, R66W, FND PLAS CAP – LS# 6359"
158	1425622.969	3204650.215	"N1/4 COR. SEC. 21, T12S, R66W, FND 3/4"" I.D. IRON PIPE"
160	1409835.078	3212666.043	"SW COR. SEC 35, T12S, R66W, FND 3 1/4"" ALUM CAP – LS# 10377
162	1422948.379	3202027.608	"W1/4 COR. SEC. 21, T12S, R66W, FND 3"" BLM BRASS CAP IN CONCRETE"
163	1425586.382	3202026.121	"NW COR. SEC. 21, T12S, R66W, FND 3"" BLM BRASS CAP"
164	1420310.995	3202029.136	"SW COR. SEC 21, T12S, R66W, FND 3"" BLM BRASS CAP"
241	1415122.533	3212614.92	"NW COR. SEC. 35, T12S, R66W, 3 1/4"" ALUM CAP – LS#10376 WITNESS MON"
242	1417759.078	3212588.91	"W1/4 COR. SEC. 26, T12S, R66W, FND STONE"
243	1420393.591	3212560.938	"NW COR. SEC. 26, T12S, R66W, FND 3 1/4"" ALUM CAP – LS# 10376"
245	1420463.774	3217849.862	"NE COR. SEC. 26, T12S, R66W, FND 3 1/4"" ALUM CAP – LS# 10377"
341	1415123.54	3212614.918	"NW COR. SEC. 35, T12S, R66W, FOUND STONE W/ SET NAIL"



TYPICAL:
CM–MP – Control Monuments were set by Mountain Surveying and Mapping, Inc. They were 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.

BASIS OF BEARINGS: Bearings used in the calculation of coordinates are based on a grid bearing of N 20°27'00" W from Powers Blvd. CM–MP 3051 to Powers Blvd. CM–MP 3059 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 CDOT benchmark near I – 25 and Woodmen Road, Pt. 209, a CDOT Type 2 Control Monument with an NAVD '88 elevation of 6399.38 feet.

NOTE: Refer to NEW–629–1 SURVEY MONUMENTS of the STANDARD PLANS, COLORADO DEPARTMENT OF TRANSPORTATION M & S STANDARDS MARCH 15, 1996 for survey monument descriptions. Refer to M–100–1 STANDARD SYMBOLS of the STANDARD PLANS, COLORADO DEPARTMENT OF TRANSPORTATION M & S STANDARDS NOVEMBER 1992 for standard symbol definitions.

The survey is not a complete boundary survey and does not subdivide land. 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 restrictions, as described in the instruments of record, was not included in this control survey.

NOTE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event may any action based upon any defect in this survey be commenced more thon ten years from the date of the statement shown.

SURVEYORS STATEMENT, I, Kevin C. Hoffman, a Professional Land Surveyor in the State of Colorado, hereby state that this Control Survey Diagram, Control Monumentation and G.P.S. Data Collection and Processing, and differential leveling was done under my direction and supervision for and on behalf of the Deportment 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.

Date _____ Kevin C. Hoffman, RLS 22568

SURVEYORS STATEMENT, I, Ronald M. McGill, a Professional Land Surveyor in the State of Colorado, hereby state that the Aliquot Monument Evidence ties, Property Corner Monument, ties and ROW Monument ties was done under my direction and supervision.

Date _____ Ronald M. McGill, RLS 30107

Computer File Information					
Creation Date:	12/09/98	Initials:	JAB		
Last Modification Date:	12/17/01	Initials:	JAB		
Full Path:	s03fntfile1\674241 3row\SDSK–ROW\dwg				
Drawing File Name:	survey – ROWPR.dwg				
Acad Ver:	LDD2	Scale:	N.T.S.	Units:	FEET

Sheet Revisions		
12/10/01	Added Ellipsoid Heights	KCH
/ /		
/ /		
/ /		
/ /		

ABEL ENGINEERING PROFESSIONALS, INC.
102 S. ONIEDA STREET / P.O. BOX 1826
PUEBLO, COLORADO 81003
(719) 545–2235
J.N. 98–200–00

As Constructed	
No Revisions:	/ /
Revised:	/ /
Void:	/ /

CONTROL SURVEY DIAGRAM

Sheet Subset: Survey | Subset Sheets: 1 of 5

Project STU M240–014
SA # 19667
POWERS BOULEVARD EXT.
Sheet Number 3

URS Job #: 6742413

DEPARTMENT OF TRANSPORTATION – STATE OF COLORADO

CONTROL SURVEY DIAGRAM

Project STU M240-014
POWERS BOULEVARD EXTENTION
Section 1, T. 13 S., R. 66 W.
Section 6, T. 13 S., R65 W.
Sections 21, 22, 26, 35, and 36,
T. 12 S., R. 66 W.
EL PASO COUNTY, COLORADO
Prepared by: Mountain Surveying & Mapping, Inc.

FILING CERTIFICATION:
DEPOSITED THIS ____ DAY OF ____ 19__, AT ____ M., FOR INFORMATION
ONLY IN BOOK ____ OF THE COUNTY LAND SURVEYS/RIGHT OF WAY
SURVEYS AT PAGE ____, RECEPTION NUMBER ____

SIGNED: ____
DEPT.: ____

GEODETIC COORDINATE SUMMARY TABLE
(ADJUSTED FIELD DATA)

POINT NAME	GEODETIC COORDINATES NAD-83(92) (CHARN)		ELLIPSOID HEIGHT	MAPPING ANGLE	SCALE FACTOR	NAD 83/92 ZONE 0502		DESCRIPTION
	LATITUDE(N)	LONGITUDE(W)	(NAVD 88)m			NORTHING (ft)	EASTING (ft)	
Powers Blvd. CM-MP 3050	38 56 30.15960	104 43 09.93453	2092.51	0 29 32.278941	0.999939756	1404619.79	3222010.16	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3051	38 56 34.98308	104 43 09.76908	2095.70	0 29 32.383289	0.999939692	1405107.85	3222019.04	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3052	38 56 41.55636	104 43 09.62025	2088.43	0 29 32.477154	0.999939605	1405772.92	3222025.08	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3053	38 56 48.51266	104 43 10.31277	2077.42	0 29 32.040389	0.999939514	1406476.17	3221964.32	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3054	38 56 52.73846	104 43 11.48625	2072.02	0 29 31.300287	0.999939459	1406902.86	3221867.95	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3055	38 56 58.13898	104 43 13.19735	2076.06	0 29 30.221114	0.999939390	1407448.03	3221728.09	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3056	38 57 04.77195	104 43 16.67873	2080.53	0 29 28.025444	0.999939306	1408116.68	3221447.33	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3057	38 57 10.90546	104 43 21.39658	2086.09	0 29 25.049946	0.999939229	1408733.97	3221069.34	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3058	38 57 15.82540	104 43 26.43950	2094.47	0 29 21.869429	0.999939168	1409228.28	3220666.75	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3059	38 57 18.78318	104 43 30.13978	2095.96	0 29 19.535701	0.999939132	1409525.00	3220371.91	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3060	38 57 22.71113	104 43 35.25329	2096.35	0 29 16.310663	0.999939084	1409918.92	3219964.62	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3061	38 57 27.50193	104 43 40.92365	2101.56	0 29 12.734427	0.999939026	1410399.76	3219512.62	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3062	38 57 32.17960	104 43 47.40106	2100.06	0 29 08.649192	0.999938970	1410868.62	3218996.98	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3063	38 57 37.56573	104 43 54.55741	2107.63	0 29 04.135757	0.999938905	1411406.71	3218427.14	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3064	38 57 42.74038	104 44 01.43818	2116.70	0 28 59.796127	0.999938845	1411927.60	3217879.26	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3065	38 57 47.57753	104 44 07.85598	2127.59	0 28 55.748487	0.999938788	1412412.67	3217368.26	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3066	38 57 52.04647	104 44 13.80583	2123.30	0 28 51.995979	0.999938737	1412860.81	3216894.54	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3067	38 57 54.77946	104 44 17.46281	2129.12	0 28 49.689560	0.999938705	1413134.86	3216603.40	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3068	38 57 59.87896	104 44 23.76351	2130.28	0 28 45.715774	0.999938647	1413646.57	3216101.47	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3069	38 58 04.70205	104 44 29.75131	2123.82	0 28 41.939331	0.999938593	1414130.54	3215624.51	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3070	38 58 09.70142	104 44 36.79701	2124.60	0 28 37.495682	0.999938537	1414631.65	3215063.87	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3071	38 58 14.73349	104 44 43.77857	2120.67	0 28 33.092485	0.999938482	1415136.12	3214508.29	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3072	38 58 18.79658	104 44 49.22742	2121.34	0 28 29.655952	0.999938437	1415543.59	3214074.58	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3073	38 58 22.38544	104 44 54.08201	2119.24	0 28 26.594213	0.999938398	1415903.47	3213686.21	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3074	38 58 26.92052	104 44 59.87611	2121.12	0 28 22.939935	0.999938350	1416358.47	3213226.87	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3075	38 58 29.99243	104 45 03.95961	2116.07	0 28 20.364514	0.999938317	1416666.58	3212901.84	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3076	38 58 33.53188	104 45 08.89229	2107.99	0 28 17.253524	0.999938280	1417021.43	3212509.38	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3077	38 58 36.83409	104 45 13.38431	2123.73	0 28 14.420454	0.999938245	1417352.58	3212151.92	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3078	38 58 42.05682	104 45 20.07056	2116.96	0 28 10.203506	0.999938191	1417876.59	3211619.61	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3079	38 58 46.19284	104 45 28.02359	2112.29	0 28 05.187613	0.999938148	1418289.87	3210988.20	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3080	38 58 52.07268	104 45 33.11561	2108.73	0 28 01.976129	0.999938089	1418881.41	3210581.28	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3081	38 58 55.72128	104 45 37.87135	2105.54	0 27 58.976734	0.999938052	1419247.45	3210202.76	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3082	38 58 58.19893	104 45 41.35464	2104.51	0 27 56.779859	0.999938027	1419495.86	3209925.69	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3084	38 59 05.07482	104 45 50.08390	2103.82	0 27 51.274406	0.999937959	1420185.86	3209230.80	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3085	38 59 10.09605	104 45 56.84457	2093.46	0 27 47.010522	0.999937910	1420689.50	3208692.91	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3086	38 59 14.93022	104 46 03.05632	2088.44	0 27 43.092836	0.999937864	1421174.58	3208198.52	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3087	38 59 20.05383	104 46 09.95423	2078.16	0 27 38.742396	0.999937815	1421688.52	3207649.74	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3088	38 59 25.20750	104 46 16.72046	2073.32	0 27 34.475006	0.999937767	1422205.59	3207111.36	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3089	38 59 30.29663	104 46 23.63221	2070.40	0 27 30.115837	0.999937720	1422716.05	3206561.56	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3090	38 59 35.17978	104 46 30.66620	2068.98	0 27 25.679573	0.999937675	1423205.61	3206002.30	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3091	38 59 38.15095	104 46 34.21637	2067.49	0 27 23.440518	0.999937648	1423503.95	3205719.63	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3092	38 59 41.02206	104 46 37.62042	2066.47	0 27 21.293619	0.999937622	1423792.26	3205448.58	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3093	38 59 42.81098	104 46 39.06608	2054.67	0 27 20.381857	0.999937606	1423972.33	3205333.02	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3094	38 59 45.28864	104 46 41.95984	2052.52	0 27 18.556792	0.999937584	1424221.16	3205102.58	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3095	38 59 50.38642	104 46 45.34809	2074.27	0 27 16.419859	0.999937540	1424734.75	3204831.01	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3096	38 59 55.53181	104 46 46.42378	2075.14	0 27 15.741432	0.999937495	1425254.60	3204741.96	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3097	39 00 00.40866	104 46 48.17838	2076.36	0 27 14.634824	0.999937453	1425746.86	3204599.54	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3098	39 00 06.62476	104 46 52.61932	2080.11	0 27 11.833970	0.999937401	1426372.93	3204244.01	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3099	39 00 06.50254	104 46 58.63499	2079.05	0 27 08.039950	0.999937402	1426356.81	3203769.24	CDOT Type 2 Control Monument
L 395	38 58 58.53302	104 48 44.63251	1994.39	0 26 01.188421	0.999938024	1419416.07	3195454.16	NGS Deep Rod
BLACKROSE	38 59 54.33339	104 46 49.164	2208.28	0 29 47.064127	0.999937505	1425290.52	3223683.27	NGS Horizontal Disk in Concrete
TG 19	38 55 18.88707	104 43 12.64865	2054.20	0 29 30.567174	0.999940771	1397407.86	3221857.63	FIMS CONTROL POINT

PROJECT COORDINATE SUMMARY TABLE
(ADJUSTED FIELD DATA)

POINT NAME	MODIFIED GRID COORDINATES		ELEV.	DESCRIPTION
	NORTHING (ft)	EASTING (ft)	(NAVD 88)ft	
Powers Blvd. CM-MP 3050	1405168.77	3223269.45	6922.16	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3051	1405657.02	3223278.33	6932.66	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3052	1406322.35	3223284.38	6908.76	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3053	1407025.87	3223223.80	6872.62	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3054	1407452.74	3223127.19	6854.87	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3055	1407998.12	3222987.27	6868.12	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3056	1408667.03	3222708.40	6882.76	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3057	1409284.56	3222328.27	6900.97	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3058	1409779.06	3221925.51	6928.47	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3059	1410075.90	3221630.56	6933.15	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3060	1410469.97	3221223.11	6934.39	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3061	1410951.00	3220770.93	6951.46	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3062	1411420.04	3220255.10	6946.49	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3063	1411960.34	3219685.03	6971.29	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3064	1412479.44	3219136.94	7001.04	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3065	1412964.70	3218625.73	7036.72	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3066	1413413.01	3218151.84	7022.62	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3067	1413687.17	3217860.58	7041.67	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3068	1414199.08	3217358.46	7045.42	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3069	1414683.24	3216881.30	7024.20	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3070	1415184.55	3216320.44	7026.74	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3071	1415689.22	3215764.65	7013.80	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3072	1416096.84	3215330.77	7015.98	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3073	1416456.87	3214944.25	7009.05	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3074	1416912.04	3214482.72	7015.19	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3075	1417220.27	3214157.57	6998.61	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3076	1417575.26	3213764.96	6972.07	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3077	1417906.53	3213407.36	7023.70	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3078	1418430.75	3212874.84	7001.46	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3079	1418844.19	3212243.18	6986.12	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3080	1419435.96	3211836.10	6974.36	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3081	1419802.15	3211457.43	6963.90	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3082	1420050.66	3211180.25	6960.48	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3084	1420740.92	3210485.10	6958.18	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3085	1421244.76	3209946.99	6924.16	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3086	1421730.03	3209452.41	6907.64	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3087	1422244.17	3208903.42	6873.90	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3088	1422761.44	3208364.82	6857.99	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3089	1423272.11	3207814.81	6848.36	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3090	1423761.86	3207255.33	6843.66	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3091	1424060.31	3206972.55	6838.79	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3092	1424348.74	3206701.40	6835.39	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3093	1424528.87	3206585.79	6796.66	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3094	1424777.80	3206355.26	6789.63	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3095	1425291.59	3206083.58	6860.98	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3096	1425811.65	3205994.50	6863.79	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3097	1426304.10	3205852.03	6867.82	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3098	1426930.41	3205496.35	6880.08	CDOT Type 2 Control Monument
Powers Blvd. CM-MP 3099	1426914.29	3205021.41	6876.56	CDOT Type 2 Control Monument
L 395	1419970.84	3196703.07	6597.97	NGS Deep Rod
BLACKROSE	1425847.58	3224943.21	7301	NGS Horizontal Disk in Concrete
TG 19	1397954.02	3223116.86	6797	FIMS CONTROL POINT

Note: The Combined Factor was calculated by "PICS", during Phase I.
PICS average of points 3050-3060 was used to determine the following:
Mean Project Latitude: 38 56 58.0993
Mean Project Longitude: 104 43 17.6569
Mean Project Elevation: 2104.1027
Scale Factor: 0.999939394
Combined Factor: 0.9996093123
Modified coordinates are derived from the grid coordinates by the following:
Grid values divided by Combined Factor = Project Coordinates.

UBS Job #: 6742413

Computer File Information			
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Last Modification Date:	12/17/01	Initials:	JAB
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Acad Ver. LDD2	Scale: N.T.S.	Units:	FEET

	Sheet Revisions		
R-	12/10/01	Added Ellipsoid Heights	KCH
R-	/ /		
R-	/ /		
R-	/ /		
R-	/ /		

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Project Manager Kevin C. Hoffman

As Constructed	
No Revisions:	/ /
Revised:	/ /
Noted:	/ /

CONTROL SURVEY DIAGRAM

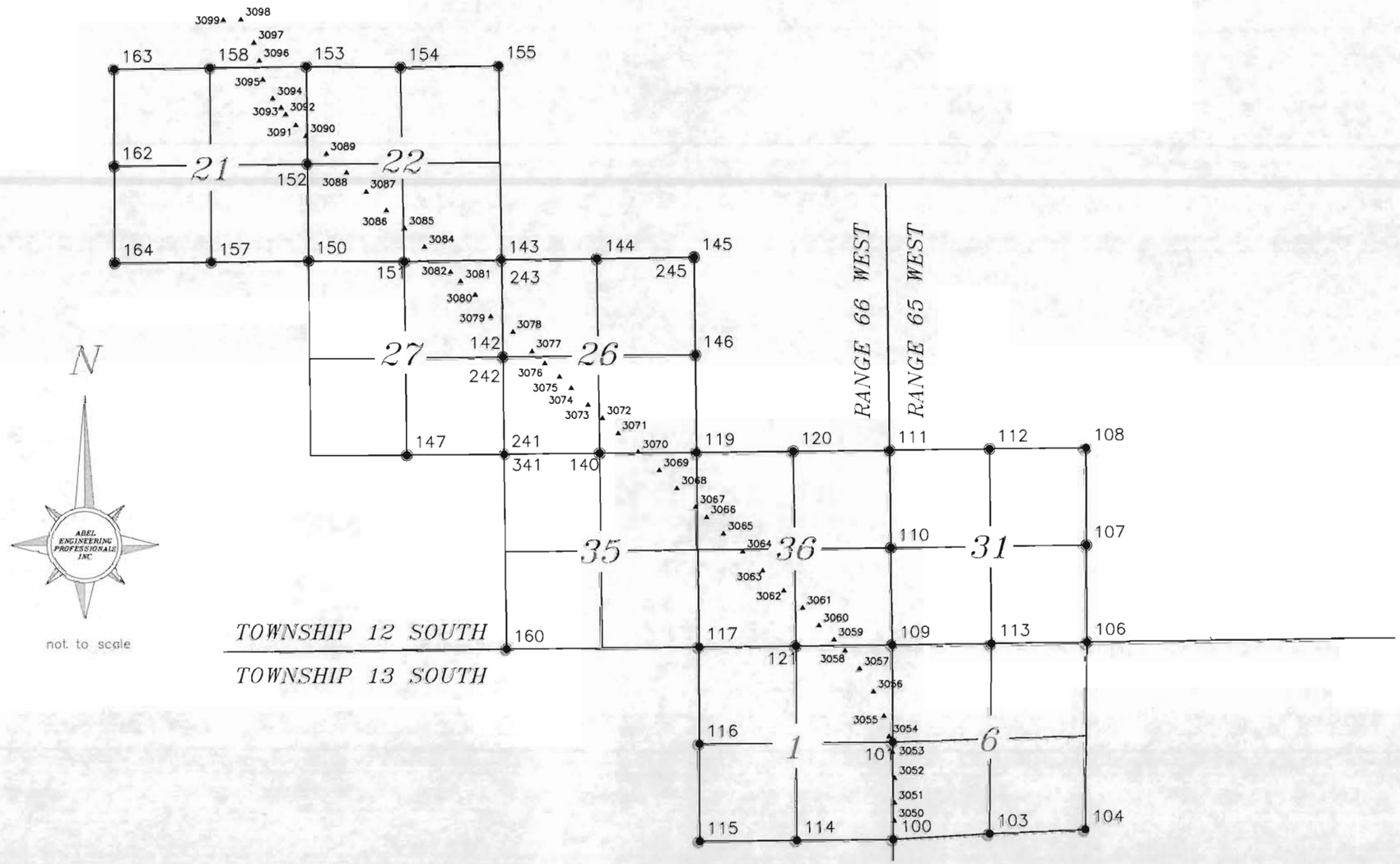
Sheet Subset: Survey | Subset Sheets: 2 of 5

Project STU M240-014
SA # 11661
POWERS BOULEVARD EXT.
Sheet Number 3A

DEPARTMENT OF TRANSPORTATION – STATE OF COLORADO

CONTROL SURVEY DIAGRAM

Project STU M240–014
POWERS BOULEVARD EXTENTION
Section 1, T. 13 S., R. 66 W.
Section 6, T. 13 S., R65 W.
Sections 21, 22, 26, 35, and 36,
T. 12 S., R. 66 W.
EL PASO COUNTY, COLORADO
Prepared by: Mountain Surveying & Mapping, Inc.



FILING CERTIFICATION:
DEPOSITED THIS ____ DAY OF _____ 19____ AT _____ M., FOR INFORMATION ONLY IN BOOK _____ OF THE COUNTY LAND SURVEYS/RIGHT OF WAY
SURVEY'S AT PAGE _____, RECEPTION NUMBER _____

SIGNED: _____
DEPT.: _____

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	Sheet Revisions		
R–	12/10/01	Added Ellipsoid Heights	KCH
R–	/ /		
R–	/ /		
R–	/ /		
R–	/ /		

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Project Manager Kevin C. Hoffman

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CONTROL SURVEY DIAGRAM

Sheet Subset: Survey | Subset Sheets: 3 of 5

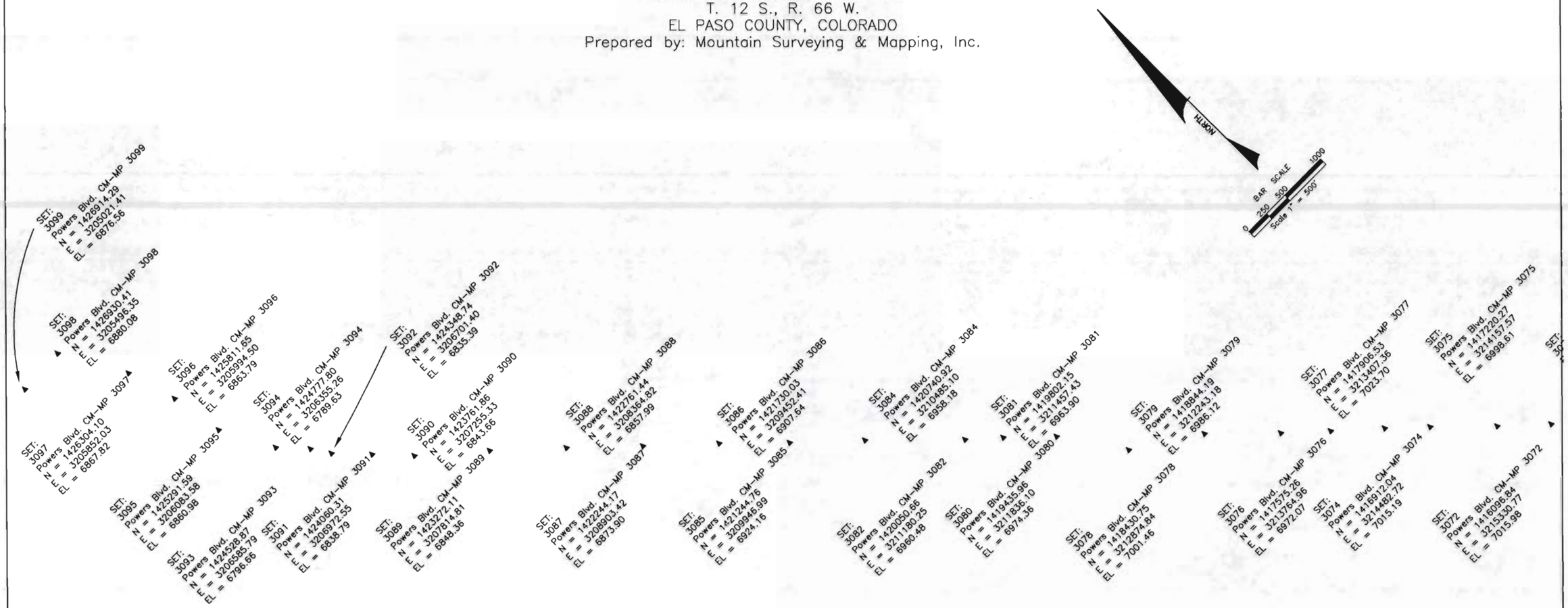
Project STU M240–014	
SA # 11661	
POWERS BOULEVARD EXT.	
Sheet Number	3B

Job #: 674241.3

DEPARTMENT OF TRANSPORTATION – STATE OF COLORADO

CONTROL SURVEY DIAGRAM

Project STU M240–014
POWERS BOULEVARD EXTENTION
Section 1, T. 13 S., R. 66 W.
Section 6, T. 13 S., R65 W.
Sections 21, 22, 26, 35, and 36,
T. 12 S., R. 66 W.
EL PASO COUNTY, COLORADO
Prepared by: Mountain Surveying & Mapping, Inc.



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	Sheet Revisions		
R–	12/10/01	Added Ellipsoid Heights	KCH
R–	/ /		
R–	/ /		
R–	/ /		
R–	/ /		

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Project Manager Kevin C. Hoffman

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CONTROL SURVEY DIAGRAM

Sheet Subset: Survey | Subset Sheets: 4 of 5

Project STU M240–014	
SA # 11661	
POWERS BOULEVARD EXT.	
Sheet Number	3C

Job #: 6742413

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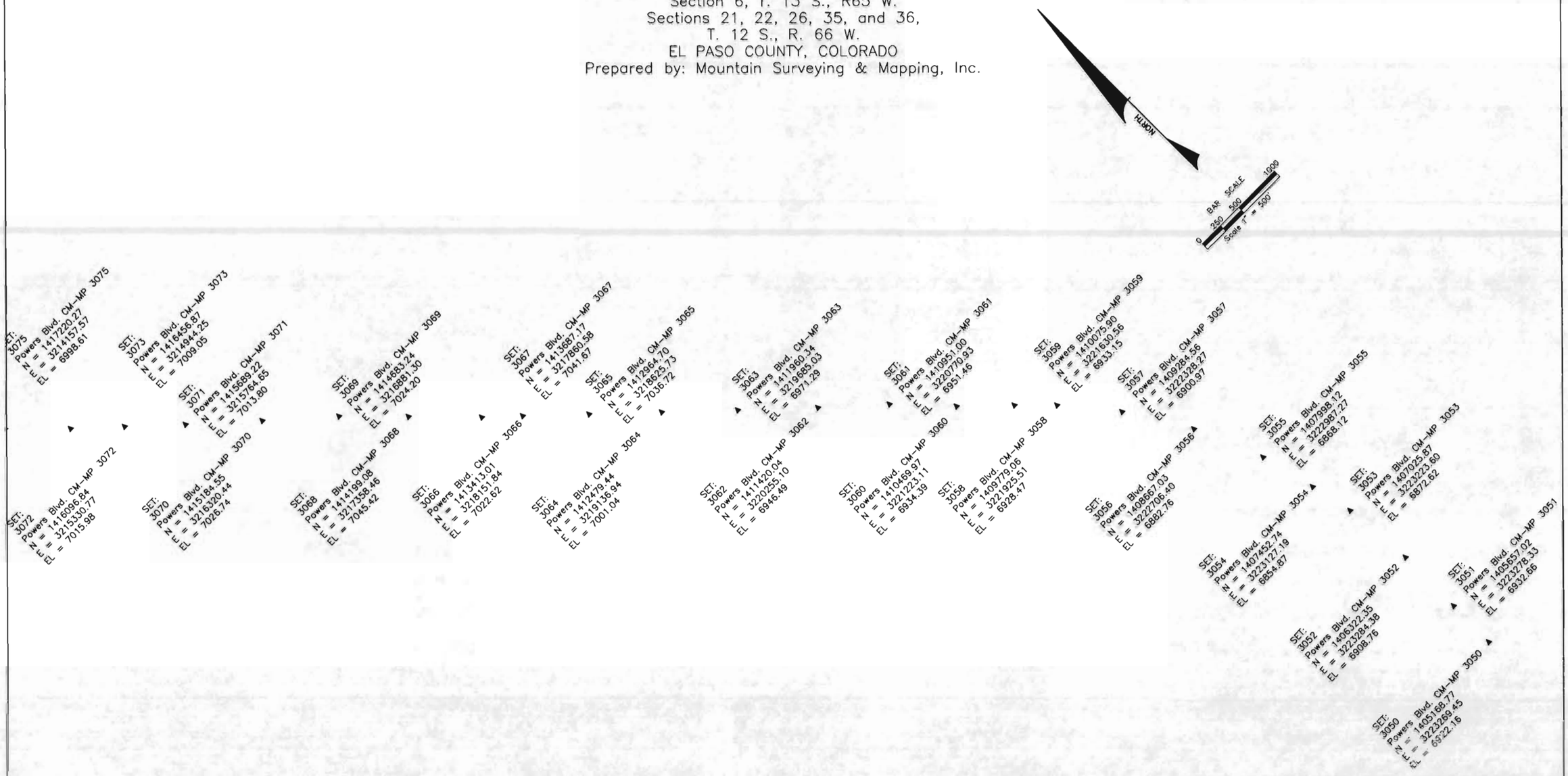
DEPOSITED THIS ____ DAY OF _____, 19____ AT ____ M., FOR INFORMATION ONLY IN BOOK _____ OF THE COUNTY LAND SURVEYS/RIGHT OF WAY SURVEYS AT PAGE _____ RECEPTION NUMBER _____

SIGNED: _____
DEPT.: _____

DEPARTMENT OF TRANSPORTATION – STATE OF COLORADO

CONTROL SURVEY DIAGRAM

Project STU M240-014
POWERS BOULEVARD EXTENTION
Section 1, T. 13 S., R. 66 W.
Section 6, T. 13 S., R65 W.
Sections 21, 22, 26, 35, and 36,
T. 12 S., R. 66 W.
EL PASO COUNTY, COLORADO
Prepared by: Mountain Surveying & Mapping, Inc.



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Last Modification Date:	12/17/01	Initials:	JAB	R-	
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Drawing File Name:	survey – ROWPR.dwg			R-	
Acad Ver. LDD2	Scale: N.T.S.	Units:	FEET	R-	

Sheet Revisions		
12/10/01	Added Ellipsoid Heights	KCH
/ /		
/ /		
/ /		
/ /		

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Project Manager Kevin C. Hoffman

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Void:	/ /

CONTROL SURVEY DIAGRAM

Sheet Subset: Survey | Subset Sheets: 5 of 5

Project	STU M240-014
SA #	11661
	POWERS BOULEVARD EXT.
Sheet Number	3D

Job #: 6742413

TABULATION OF ROW MARKERS TO BE SET (TYPE I MONUMENTS)

Point	Northing	Easting	Approx. Station	Offset	Road CL
458	1409997.15	3220128.90	541+48.40	-975.92	Powers Blvd.
459	1410340.08	3219990.51	544+85.19	-823.20	Powers Blvd.
460	1410554.14	3219951.82	546+60.91	-694.96	Powers Blvd.
461	1410939.92	3219961.82	549+19.86	-408.84	Powers Blvd.
462	1411370.57	3219834.48	553+09.20	-185.00	Powers Blvd.
463	1410913.12	3220929.35	542+01.09	239.39	Powers Blvd.
464	1411164.55	3220637.75	545+85.63	220.16	Powers Blvd.
465	1411619.68	3220035.36	553+35.69	133.92	Powers Blvd.
466	1411842.80	3219759.42	556+89.36	105.00	Powers Blvd.
467	1413313.75	3217912.14	580+41.40	-105.00	Powers Blvd.
468	1411368.90	3219834.97	553+07.68	-185.87	Powers Blvd.
469	1413760.19	3217748.19	584+68.11	105.00	Powers Blvd.
470	1413934.55	3217597.10	586+97.78	126.95	Powers Blvd.
471	1413493.61	3217723.48	583+02.05	-105.00	Powers Blvd.
472	1413933.30	3217146.33	590+23.18	-185.00	Powers Blvd.
474	1414005.01	3217071.11	591+27.11	-185.00	Powers Blvd.
475	1414235.40	3217340.00	590+91.46	167.29	Powers Blvd.
476	1414449.76	3217174.60	593+59.09	208.32	Powers Blvd.
477	1414042.15	3216995.99	592+07.11	-209.95	Powers Blvd.
478	1414192.82	3216781.24	594+66.51	-249.09	Powers Blvd.
479	1414414.68	3216503.72	598+20.46	-280.00	Powers Blvd.
480	1414538.57	3216373.77	600+00	-280.00	Powers Blvd.
481	1414572.58	3216302.23	600+75.25	-304.75	Powers Blvd.
489	1414757.02	3216140.04	603+19.91	-283.16	Powers Blvd.
490	1414827.10	3216103.09	603+95	-257.94	Powers Blvd.
491	1415229.10	3215681.42	609+77.60	-257.94	Powers Blvd.
492	1415585.28	3216026.40	609+73.68	237.91	Powers Blvd.
493	1415185.98	3216445.24	603+95	237.91	Powers Blvd.
500	1415002.48	3216712.07	600+75.25	289.21	Powers Blvd.
501	1414932.74	3216749.55	600+00	264.59	Powers Blvd.
502	1414870.89	3216814.59	599+10.25	264.71	Powers Blvd.
503	1414766.19	3216903.32	597+73.79	250.15	Powers Blvd.
504	1410860.35	3220983.73	541+25.31	238.71	Powers Blvd.
505	1412336.60	3218821.17	567+09.20	-185.00	Powers Blvd.
506	1412808.83	3218746.12	570+89.36	105.00	Powers Blvd.
507	1413202.15	3217913.26	579+63.58	-185.00	Powers Blvd.
482	1414535.19	3216232.39	745+61.07	100.00	Briargate Pkwy.
483	1414302.16	3216010.23	742+39.11	100.00	Briargate Pkwy.
484	1414100.76	3215777.34	739+50	100.00	Briargate Pkwy.
485	1414259.84	3215664.56	739+50	-95.00	Briargate Pkwy.
486	1414436.73	3215869.11	742+39.14	-95.00	Briargate Pkwy.
487	1414630.12	3216053.48	745+06.33	-95.00	Briargate Pkwy.
488	1414685.25	3216106.03	745+82.50	-95.00	Briargate Pkwy.
494	1415189.30	3216586.56	752+78.90	-95.00	Briargate Pkwy.
495	1415463.48	3216847.95	756+57.70	-95.00	Briargate Pkwy.
496	1415584.11	3216976.55	758+23.49	-95.03	Briargate Pkwy.
497	1415434.66	3217101.81	758+23.53	99.97	Briargate Pkwy.
498	1415328.73	3216988.91	756+57.45	100.00	Briargate Pkwy.
499	1415074.36	3216746.41	753+06	100.00	Briargate Pkwy.

POSITIVE OFFSET DISTANCES ARE TO THE RIGHT OF ALIGNMENT.
NEGATIVE OFFSET DISTANCES ARE TO THE LEFT OF ALIGNMENT.

TABULATION OF PERMANENT & SLOPE EASEMENT MARKERS TO BE SET (TYPE6 MONUMENTS)

Point	Northing	Easting	Approx. Station	Offset	Road CL
849	1410861.23	3221042.64	540+83.28	280.00	Powers Blvd.
850	1410941.25	3220958.70	541+99.25	280.00	Powers Blvd.
851	1411020.92	3220896.83	542+99.01	294.96	Powers Blvd.
852	1411094.80	3220826.70	544+00.74	300.05	Powers Blvd.
853	1411149.86	3220739.68	545+01.72	279.85	Powers Blvd.
854	1411267.01	3220573.00	547+03.20	249.63	Powers Blvd.
855	1411324.57	3220491.10	548+02.19	234.78	Powers Blvd.
856	1411371.96	3220397.81	549+02.42	204.71	Powers Blvd.
857	1411425.84	3220312.65	550+01.24	184.95	Powers Blvd.
858	1411491.54	3220236.46	551+01.71	179.93	Powers Blvd.
859	1411526.35	3220186.89	551+61.61	170.92	Powers Blvd.
860	1411759.42	3219884.12	555+41.57	130.70	Powers Blvd.
861	1411899.65	3219731.69	557+48.67	127.01	Powers Blvd.
862	1411938.58	3219697.30	558+00.42	131.46	Powers Blvd.
863	1412049.30	3219596.77	559+49.58	142.24	Powers Blvd.
864	1412294.63	3219346.21	563+00.21	146.90	Powers Blvd.
865	1412429.53	3219197.74	565+00.76	142.10	Powers Blvd.
866	1412502.66	3219126.47	566+02.81	145.85	Powers Blvd.
867	1412518.08	3219072.99	566+52.15	120.11	Powers Blvd.
868	1412593.56	3219010.77	567+49.27	131.80	Powers Blvd.
869	1412692.09	3218896.23	569+00.16	124.08	Powers Blvd.
870	1412834.84	3218756.90	570+99.51	131.27	Powers Blvd.
871	1412972.53	3218642.29	572+77.47	151.85	Powers Blvd.
872	1413132.00	3218487.54	574+99.51	160.49	Powers Blvd.
878	1413239.03	3218383.52	576+48.66	166.18	Powers Blvd.
879	1413406.58	3218266.08	578+49.27	206.41	Powers Blvd.
880	1413510.65	3218154.26	580+02.02	204.58	Powers Blvd.
881	1413552.51	3218056.28	581+01.82	167.27	Powers Blvd.
882	1413623.25	3217986.71	582+00.98	170.47	Powers Blvd.
883	1413666.64	3217892.36	582+99.21	136.77	Powers Blvd.
884	1413715.64	3217870.75	583+48.66	157.32	Powers Blvd.
885	1413839.47	3217711.30	585+49.52	136.93	Powers Blvd.
886	1414095.29	3217528.99	588+57.99	196.29	Powers Blvd.
887	1414256.48	3217442.03	590+32.16	252.94	Powers Blvd.
888	1414435.58	3217238.91	593+02.76	242.42	Powers Blvd.
889	1414552.65	3217145.93	594+50.84	263.00	Powers Blvd.
890	1414690.44	3217070.21	596+00.72	310.48	Powers Blvd.
894	1414030.78	3216870.76	592+89.89	-304.60	Powers Blvd.
895	1414201.75	3216666.70	595+55.57	-321.66	Powers Blvd.
896	1414353.71	3216449.15	598+17.88	-361.78	Powers Blvd.
897	1414522.81	3216347.45	600+08.18	-309.57	Powers Blvd.
899	1414764.84	3216121.07	603+39.03	-290.59	Powers Blvd.
900	1414946.96	3215937.18	605+97.80	-285.67	Powers Blvd.
901	1415047.14	3215797.56	607+67.98	-309.50	Powers Blvd.
902	1415194.44	3215647.85	609+77.98	-306.19	Powers Blvd.
903	1415577.67	3216111.55	609+06.80	291.16	Powers Blvd.
904	1415506.82	3216163.73	608+20.14	275.88	Powers Blvd.
905	1415439.14	3216282.95	606+87.15	309.16	Powers Blvd.
906	1415238.82	3216509.64	603+84.85	320.60	Powers Blvd.
910	1415609.04	3216049.40	609+73.42	270.98	Powers Blvd.
898	1414465.36	3216165.82	744+64.60	100.00	Briargate Pkwy.
907	1415239.44	3216557.41	752+95.07	-150.69	Briargate Pkwy.
908	1415366.75	3216689.28	754+78.22	-143.10	Briargate Pkwy.
909	1415439.93	3216730.80	755+59.83	-163.54	Briargate Pkwy.
911	1414547.11	3216289.45	746+09.08	133.07	Briargate Pkwy.
913	1415240.95	3216958.68	755+73.05	138.69	Briargate Pkwy.
914	1415149.04	3216844.60	754+27.81	119.55	Briargate Pkwy.
915	1415054.51	3216814.59	753+38.68	163.04	Briargate Pkwy.
919	1415279.22	3216976.71	756+13.19	125.33	Briargate Pkwy.
920	1415311.43	3216972.42	756+33.55	100.00	Briargate Pkwy.
921	1415470.42	3216841.22	756+58.05	-104.66	Briargate Pkwy.

TABULATION OF TEMPORARY EASEMENT CORNERS TO BE SET

Point	Northing	Easting	Approx. Station	Offset	Road CL
873	1413966.67	3217111.33	590+71.55	-185.00	Powers Blvd.
874	1415838.10	3217399.46	762+89.03	-95.11	Briargate Pkwy.
875	1415657.30	3217472.52	762+89.07	99.89	Briargate Pkwy.
891	1413947.89	3217093.42	590+71.55	-210.95	Powers Blvd.
892	1414002.17	3217021.92	591+60.75	-221.00	Powers Blvd.
893	1414022.63	3216977.38	592+07.11	-236.92	Powers Blvd.

GENERAL NOTES

1. Right of Way has been established using:
   a.) Land Survey Plats filed in El Paso County, Colorado
   b.) Surveys locating aliquot corners by Abel Engineering Professionals Inc.
   c.) Aerial Surveys of the Powers Blvd. Project Corridor by Aerometrics Engineering
   d.) Legal descriptions filed in El Paso County, Colorado
   e.) Title Commitments prepared by Unified Title Co., Inc.

2. This Right of Way plan is not a complete boundary survey of adjoining owners and is prepared for the Colorado Department of Transportation use only.

3. Survey Control Points set with a higher degree of accuracy than ROW markers.

4. 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 thereon.

5. All Right of Way markers are to be set from survey control points established.

6. All centerline and offset stationing is theoretical only and may not represent the centerline as constructed in the field. All stationing is approximate.

7. All coordinates listed are project coordinates only.

8. This is not a property survey.

URS CORPORATION SURVERYOR'S STATEMENT

Right of Way Plans, and Property Descriptions, and Survey Control Monuments were supervised and/or prepared under my direct supervision and review based on surveys, topography and proposed construction prepared by others; title commitments prepared by "Unified Title Co." were relied on for existing deeds, owners and easements shown.

NAME _____ PLS NO 6965
CARL W. BODENSTEINER COLORADO
DATE _____

CONTRACTOR'S SURVERYOR'S STATEMENT

Right of Way and Aliquot Corner Monumentation was done under my supervision, checking and in accordance with Colorado Laws and Regulations.

NAME _____ PLS NO _____
COLORADO
DATE _____

ABLE ENGINEERING PROFESSIONALS, INC SURVERYOR'S CERTIFICATE

I Ronald M. McGill, a Professional Land Surveyor in the State of Colorado, hereby state that the Aliquot Monument Evidence ties, Property Corner Monument ties, and ROW monument ties were done under my direction and supervision.

NAME _____ PLS NO 30107
RONALD M. MCGILL COLORADO
DATE _____

QUANTITY OF MONUMENTS TO BE SET

CAP TYPE	MONUMENT TYPE 1	1A	1A	2	2A	3	3A	4	4A	5	6
REFERENCE											
RIGHT OF WAY	49										
CONTROL											
ALIQUOT CORNER							0				
WITNESS POST											
PERM. EASEMENT											61

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Last Modification Date: 12/17/01	Initials: JAB		
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Index of Revisions: (R-1) (R-) (R-) (R-) (R-)

DOT — DEPARTMENT OF TRANSPORTATION — Region 2

905 Erie Avenue
Pueblo, CO 81002
(719) 546-5454
Fax: (719) 546-5414

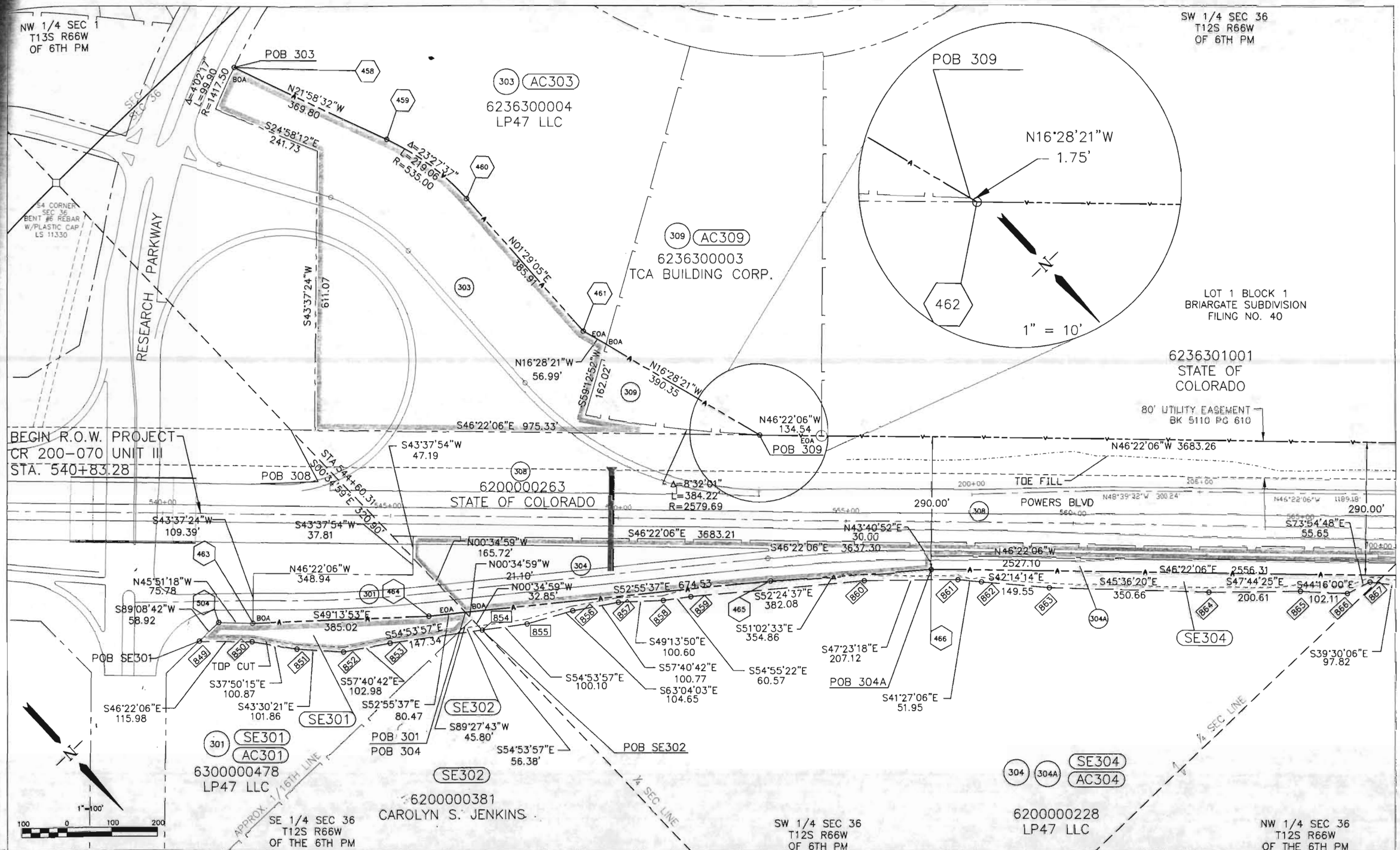
As Constructed: No Revisions: / Revised: / Void:

ROW MONUMENTATION TABULATION

Designer: CWB / Detailer: JAB / SheetSubset: / Structure Numbers: / Subset Sheets: 1 of 1

Project No./Code: CR 200-070
12275
Sheet Number 4

URS Job # 6742413



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URS Job # 6742413

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		ADDED AC MKRS	
R-2	6/25/02	DELETED ROW PT 468	CST
		REV ACCESS ON V-LINE	
R-			

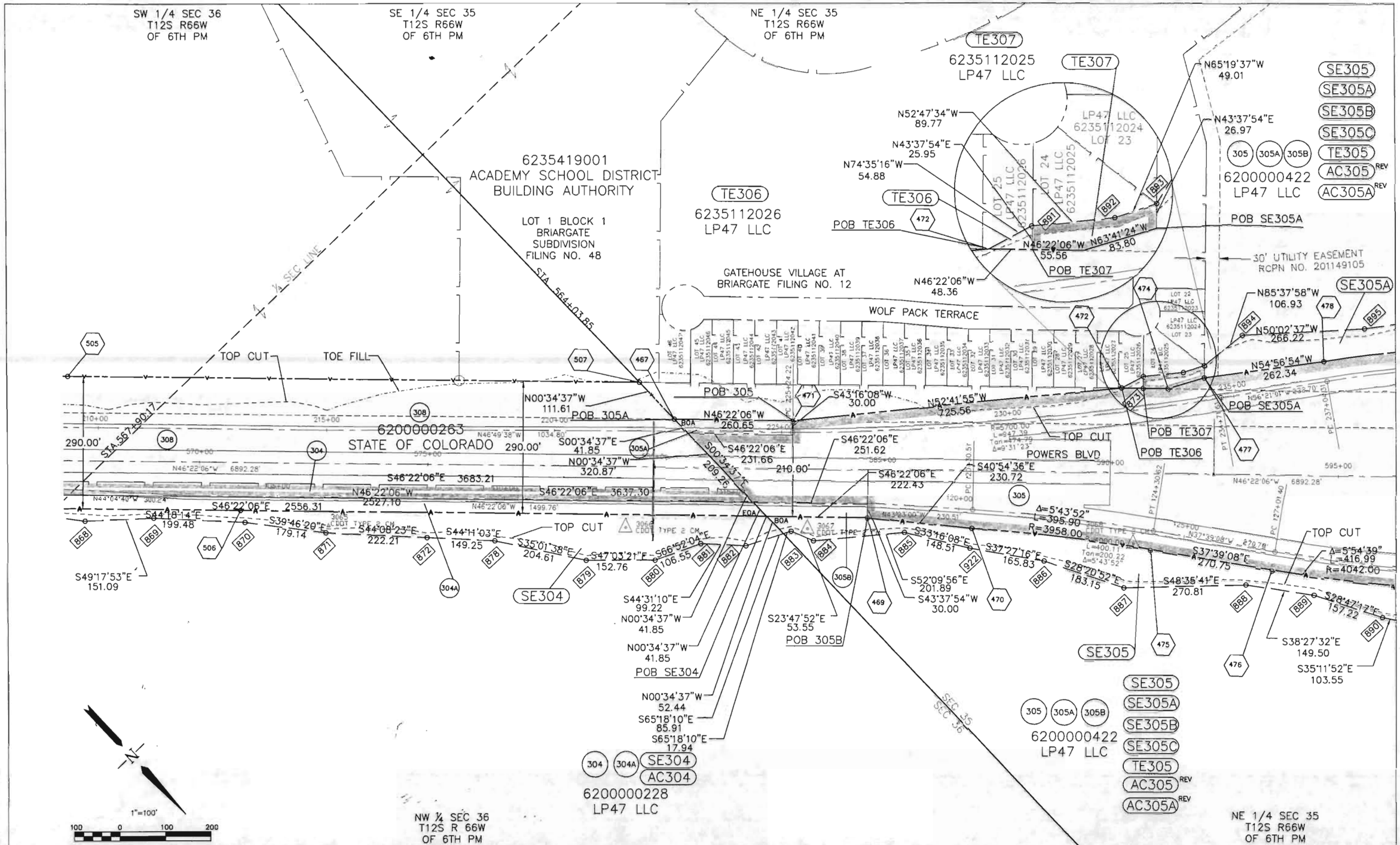
DOT
DEPARTMENT OF TRANSPORTATION
Region 2

905 Erie Avenue
Pueblo, CO 81002
(719) 546-5454
Fax (719) 546-5414

As Constructed
No Revisions:
Revised:
Void:

Right of Way			
Research Pkwy to Briargate Pkwy			
Designer:	CWB	Structure Numbers	
Detailer:	JAB		
SheetSubset:	ROW	Subset Sheets:	1 of 3

Project No./Code
CR 200-070
12275
Sheet Number 5



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R-2	6/25/02	REV_ACCESS_ON_V-LINE	CST
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R-			
R-			

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DEPARTMENT OF TRANSPORTATION
Region 2

905 Erie Avenue
Pueblo, CO 81002
(719) 546-5454
Fax (719) 546-5414

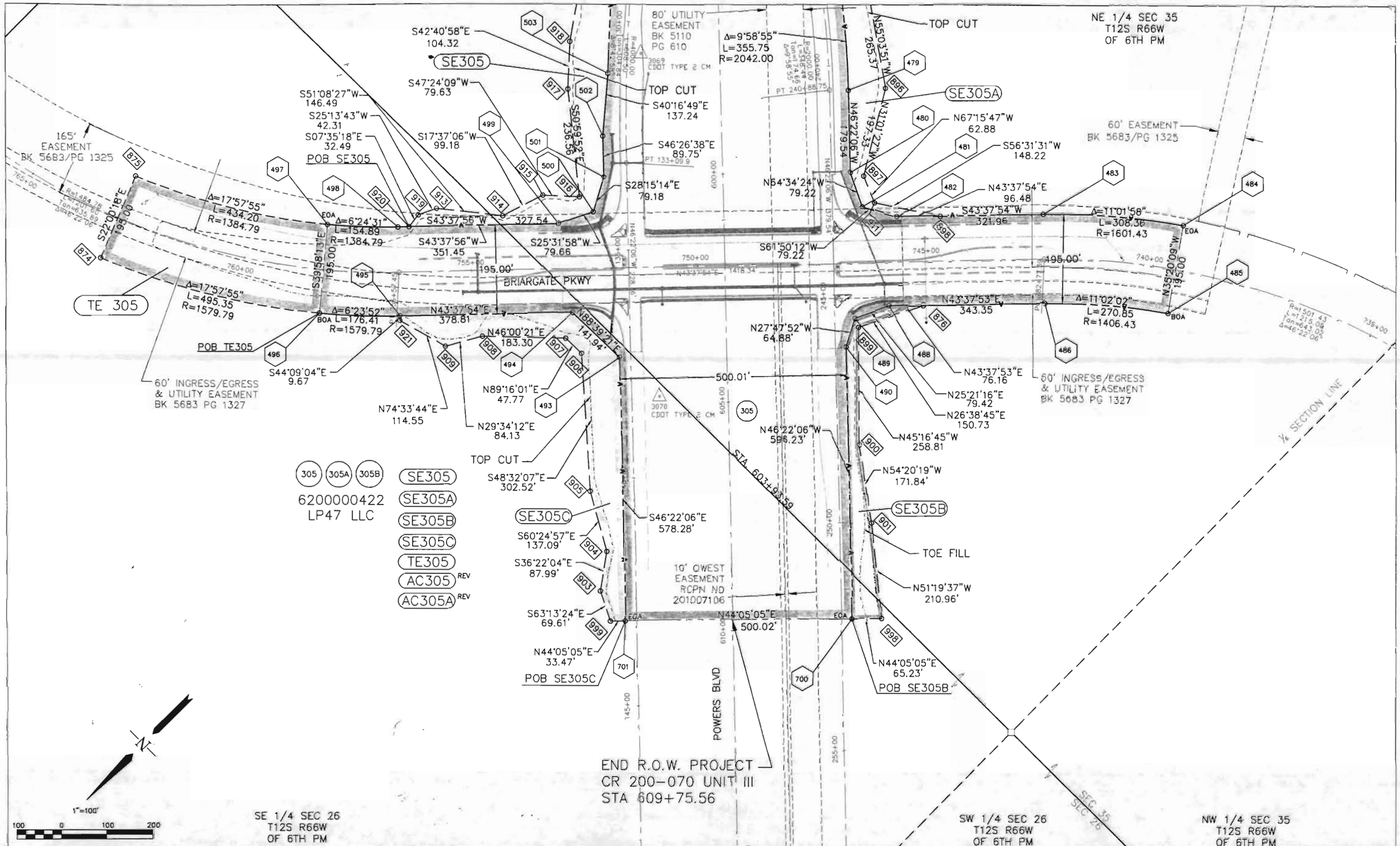
As Constructed
No Revisions:
Revised:
Void:

Right of Way
Research Pkwy to Briargate Pkwy

Designer: CWB
Detailer: JAB
SheetSubset: ROW
Structure Numbers
Subset Sheets: 2 of 3

Project No./Code
CR 200-070
12275
Sheet Number 6

URS Job #: 6742413



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URS Job # 6742413

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R-			
R-			
R-			

DOT
DEPARTMENT OF TRANSPORTATION
Region 2

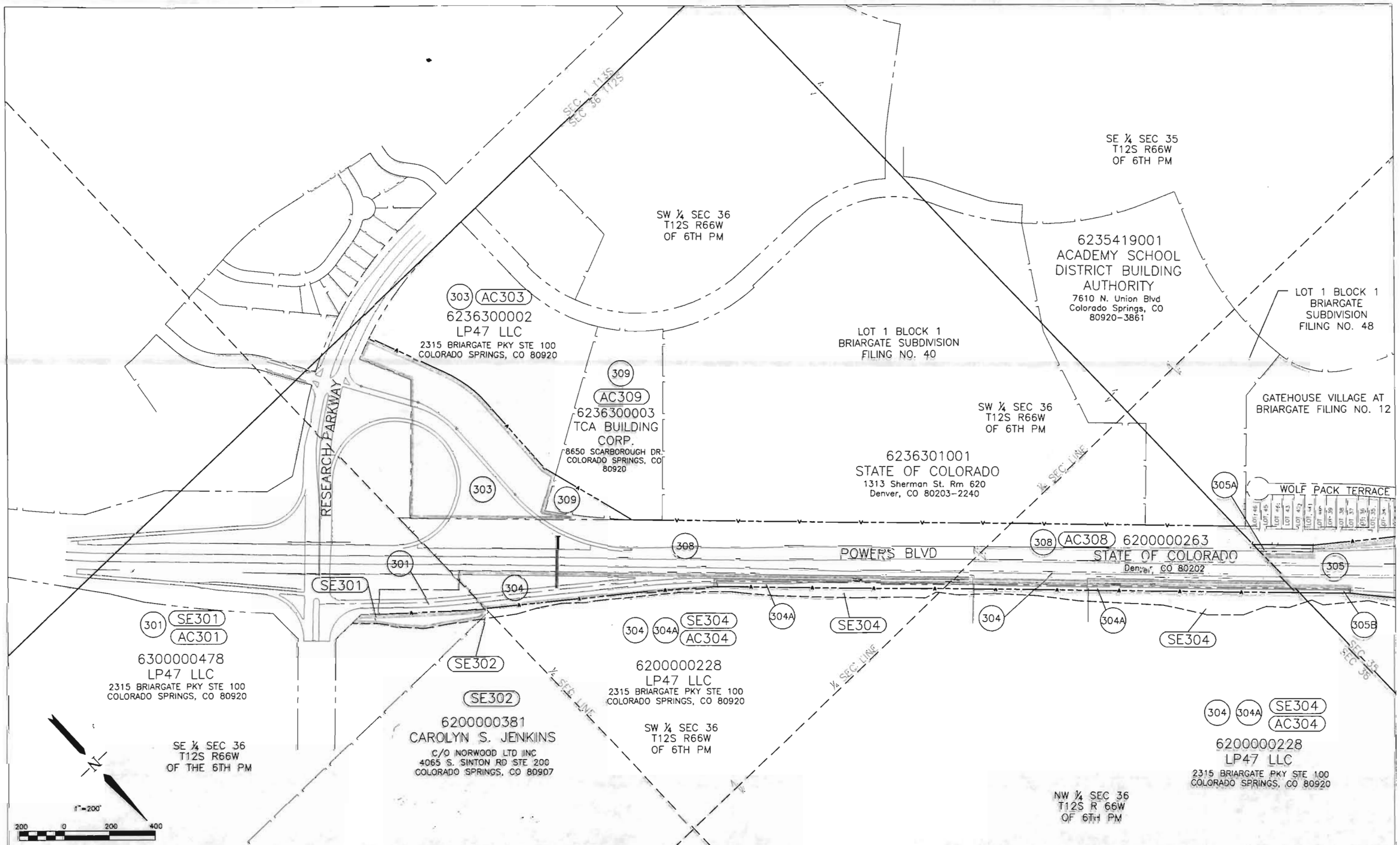
905 Erie Avenue
Pueblo, CO 81002
(719) 546-5454
Fax (719) 546-5414

As Constructed
No Revisions:
Revised:
Void:

Right of Way
Research Pkwy to Briargate Pkwy

Designer:	CWB	Structure Numbers	
Detailer:	JAB		
Sheet/Subset:	ROW	Subset Sheets:	3 of 3

Project No./Code
CR 200-070
12275
Sheet Number 7



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	V-LINE	

CDOT
DEPARTMENT OF TRANSPORTATION
Region 2
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Pueblo, CO 81002
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Fax (719) 546-3414

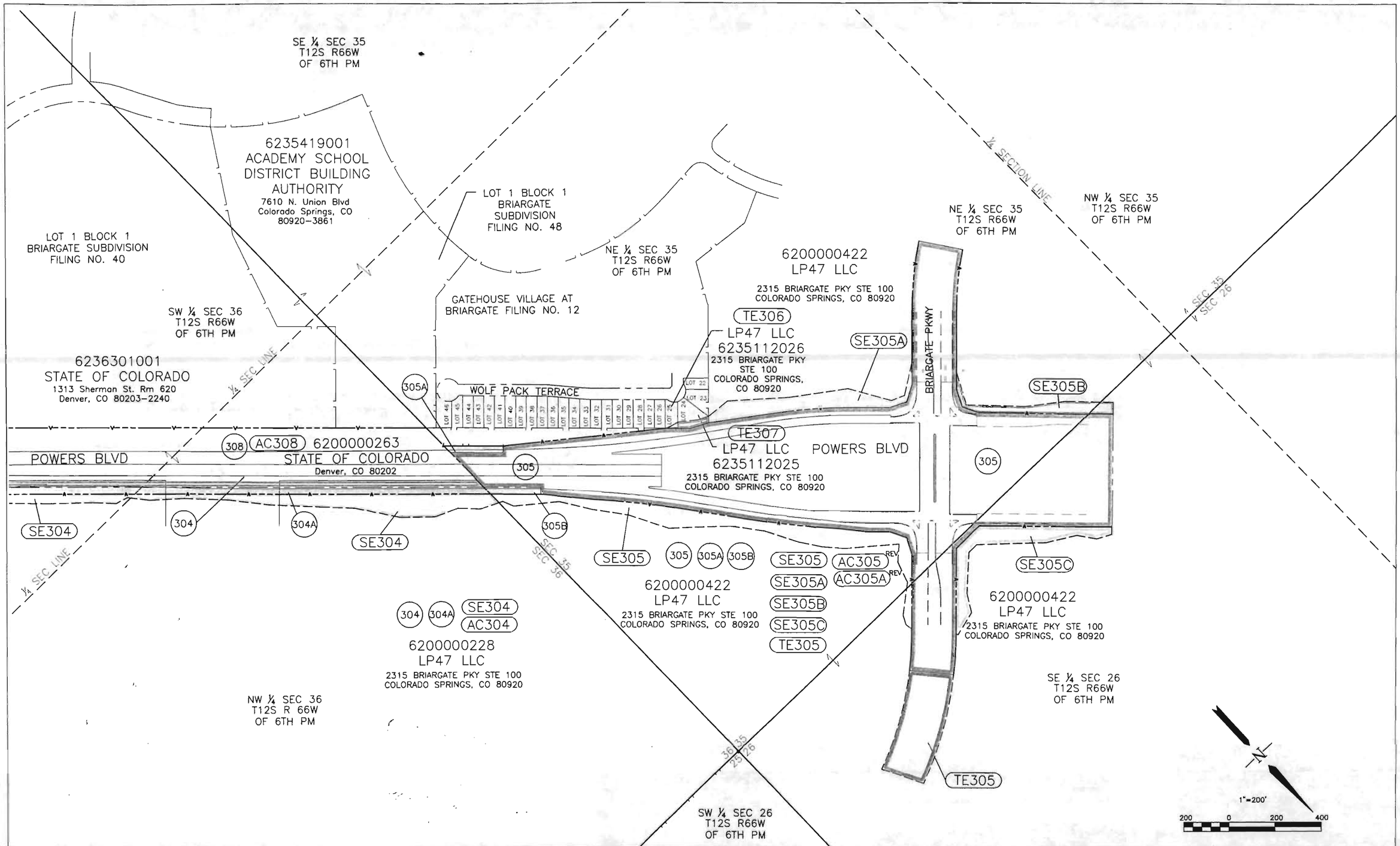
As Constructed	
No Revisions:	
Revised:	
Void:	

Ownership Map

Research Pkwy to Briargate Pkwy

Designer:	CWB	Structure Numbers	
Detailer:	JAG		
Sheet Subset:	ROW	Subset Sheets:	1 of 2

Project No./Code
CR 200-070
12275
Sheet Number 6



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Acad. Ver. LDD2	Scale: 1"=100'	Units:	Feet

URS Job #: 6742413

Index of Revisions		
R-		
R-		
R-		
R-		
R-		

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Region 2

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(719) 546-5454
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As Constructed
No Revisions:
Revised:
Void:

Ownership Map
Research Pkwy to Briargate Pkwy

Designer:	CWB	Structure Numbers	
Detailer:	JAB		
SheetSubset:	ROW	Subset Sheets:	2 of 2

Project No./Code
CR 200-070
12275
Sheet Number 9