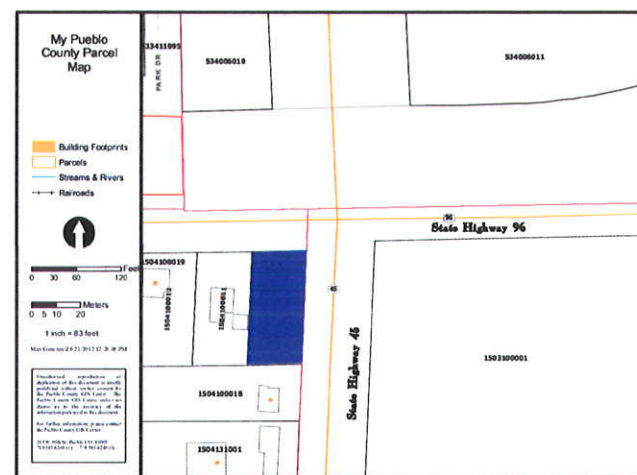


Sheet Revisions			Sheet Revisions			Sheet Revisions		
Date	Description	Initials	Date	Description	Initials	Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX	mm/dd/yy	XXXXXXXX	XXX	mm/dd/yy	XXXXXXXX	XXX



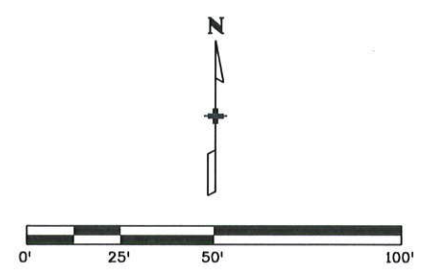
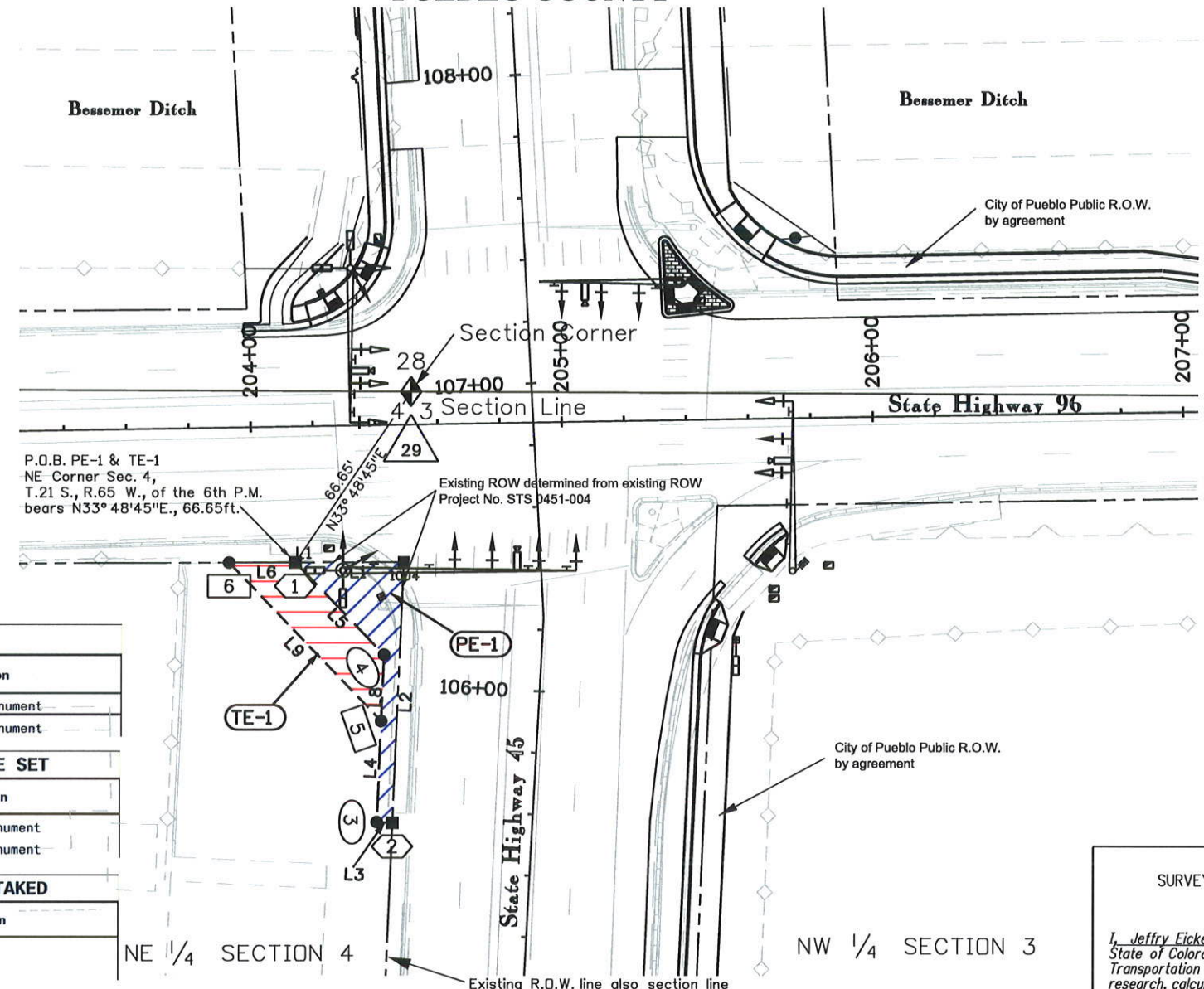
Right of Way Plans			
Plan Sheet			
Project Number: SHE-045A-010			
Project Location: SH 45 AND SH 96 INTERSECTION			
PUEBLO, COLORADO			
Project Code: 18080	Last Mod. Date: 08-21-12	Subset: 7.XX of 7.XX	Sheet No.: 7.XX

Ownership/Site Map



DEPARTMENT OF TRANSPORTATION
STATE OF COLORADO

RIGHT OF WAY PLANS OF PROPOSED
FEDERAL AID PROJECT NO. SHE-045A-010
STATE HIGHWAY NO. 45
PUEBLO COUNTY



Basis of Bearings: Bearings used in the calculations of coordinates are based on a grid bearing of N89°15'36"E from CM 4-MP 52.76 to CM 6-MP 52.86. Both monuments are CDDT Type II, marked appropriately for their milepost location and control position. The survey data was obtained from a Global Positioning System (GPS) survey based on the Colorado High Accuracy Reference Network (CHARN).

1. This Right-of-Way Plan is not a boundary survey of the adjoining property and is prepared for the Colorado Department of Transportation purposes only.

2. For title information, The Colorado Department of Transportation relied on a quitclaim deed acquired from the Pueblo County Assessor, Reception number: 1772406

3. This plan set is subject to change and may not be the most current set. It is the user's responsibility to verify with CDDT that this set is the most current. The information contained on the attached drawing is not valid unless this copy bears an original signature of the Professional 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 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.

Line Table		
Name	Length (ft)	Direction
L1	34.78	N 89°46'32" E
L2	84.73	S 2°23'34" W
L3	5.00	N 87°36'26" W
L4	32.89	N 2°23'34" E
L5	41.34	N 43°37'12" W
L6	21.33	N 89°46'32" E
L8	21.54	S 2°23'34" W
L9	70.96	N 43°37'12" W

TABULATION OF R.O.W. MONUMENTS TO BE SET			
Point No.	Northing(ft)	Easting(ft)	Description
1	1581023.09	3241531.36	CDDT Type I Monument
2	1580938.57	3241562.60	CDDT Type I Monument

TABULATION OF PERMANENT EASEMENT MONUMENTS TO BE SET			
Point No.	Northing(ft)	Easting(ft)	Description
3	1580938.78	3241557.60	CDDT Type 6 Monument
4	1580993.16	3241559.88	CDDT Type 6 Monument

TABULATION OF TEMPORARY EASEMENT POINTS TO BE STAKED			
Point No.	Northing(ft)	Easting(ft)	Description
5	1580971.64	3241558.98	
6	1581023.00	3241510.02	

R.O.W. TABULATION OF PROPERTIES IN PUEBLO COUNTY S.H. NO. 45/96											
Parcel No.	Ownership Name and Mailing Address	Site Address	Location	Area In Square Feet (Acres)					Book and Page No. And/O Reception No.	Title Commitment No.	Remarks
				Area Of Parcel	Existing ROW	Net Area	Remainder Left	Remainder Right			
PE-1	Katherine L. and Renee C. Mudrone	4002 Thatcher Ave	NE 1/4 Sec 4. T. 21 S., R. 65 W.,	870 sqft.		0.020ac.					For Traffic Signal Installation
TE-1	Same	Pueblo, CO. 81005	of the 6th P.M.	870 sqft.		0.020 ac.					

COLORADO DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY PROJECT

ROW PLANS AUTHORIZED: Wayne Trindle 8/27/12
DATE

CDDT RIGHT OF WAY MANAGER

SURVEYOR STATEMENT (ROW PLAN)

I, Jeffrey Eickelman, a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation that based upon my knowledge, information and belief, research, calculations and evaluation of the survey evidence were performed and this Right-of-Way Plan was prepared under my responsible charge 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. 29034

FLING CERTIFICATION: DAY OF DEPOSITED THIS IN BOOK OF THE COUNTY LAND SURVEYS/RIGHT OF WAY SURVEYS AT PAGE RECEPTION NUMBER DEPT. SIGNED

FED. ROAD REGION	DIVISION	PROJECT NUMBER	SHEET NUMBER
VIII	COLO.	S TS 0451-004	3A
REVISIONS			

CONTROL DIAGRAM SHEET

GPS TIES FROM HARN CONTROL POINTS
TO PROJECT CONTROL POINTS

LOCATION: SH 45 AND 96 PUEBLO

GENERAL NOTES

- COORDINATES OF GPS POINTS WERE CONVERTED FROM NAD 83 COLORADO SOUTH ZONE STATE PLANE COORDINATE SYSTEM (ADJUSTMENT OF 1992) TO THE MODIFIED GRID SYSTEM USING FOLLOWING PARAMETERS:

MEAN ELEVATION H = 1458.4709 m
MEAN ELLIPSOID HEIGHT R = 6378137 m
MEAN SEA LEVEL FACTOR SLF = $R/R+H = 0.999771385048$
MEAN GRID FACTOR GF = 0.99997288174
COMBINED SCALE FACTOR SF = $SLF \cdot GF = 0.999744272988$
FINAL FACTOR (METERS) F = $1/SF = 1.00025579243$

- ALL COORDINATES LISTED ARE METRIC.
- GPS NETWORK ADJUSTMENT WAS CONSTRAINED USING THE FOLLOWING PUBLISHED COORDINATES:

POINTS PUBLISHED BY NGS:

#22 ARKANSAS AZ MK 38°14'14.024580" N 104°43'26.823350" W 1564.4
#23 W 430 38°18'06.194330" N 104°39'46.575230" W 1470.585

ELEVATIONS ON ABOVE POINTS ARE THE NGS PUBLISHED ORTHOMETRIC ELEVATIONS.

POINT IN STATE HIGHWAY 45 GPS NETWORK TIED AND ADJUSTED TO HARN AND DENSIFICATION AS PROVIDED BY ABEL ENGINEERING:

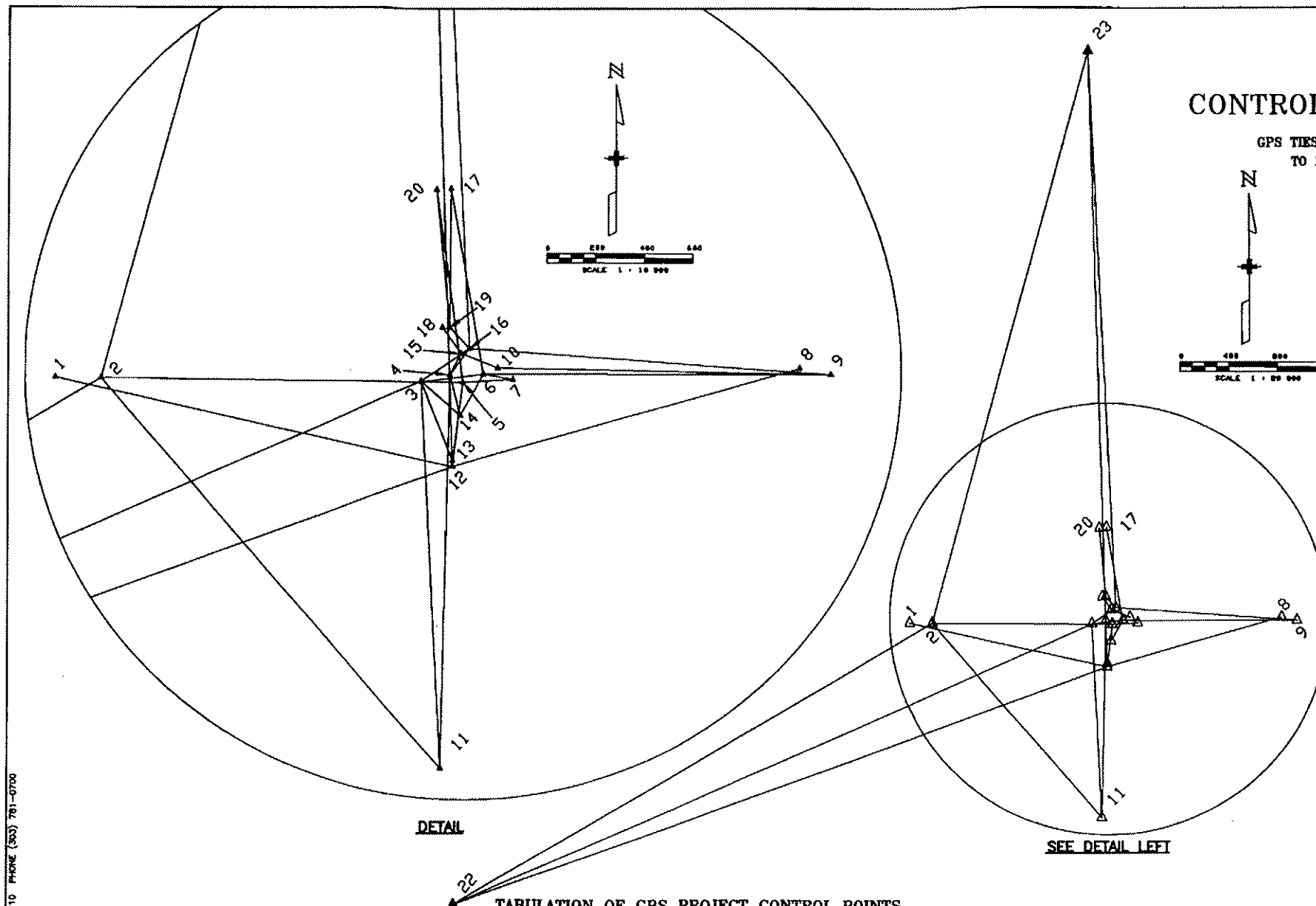
#17 3005 38°15'55.983150" N 104°39'42.195710" W 1454.480

- POINT NUMBER 17 WAS USED AS THE PRIMARY BENCHMARK FOR THE PROJECT.

- 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.

LEGEND

- ▲ - HARN GPS CONTROL POINT
- △ - PROJECT GPS CONTROL POINT
- - ELEVATIONS DETERMINED BY DIFFERENTIAL LEVELS



TABULATION OF GPS PROJECT CONTROL POINTS

NAD 83/92 GEODETIC COORDINATES		COLORADO SOUTH STATE PLANE				ELLIPSOID ELEVATION (m)		MODIFIED STATE PLANE COORDINATES		NAVS 88	MONUMENT DESCRIPTION
POINT	LATITUDE	LONGITUDE	NORTHING (m)	EASTING (m)	CONVERGENCE	SCALE	ELLIPSOID ELEVATION (m)	NORTHING (m)	EASTING (m)	ELEV (m)	
1	38°15'30.830237" N	104°40'50.042887" W	481784.4738	988116.5785	0°30'09.4388"	0.999872768134	1433.4836	481907.711	988370.818	1452.6	78mm BLU BRASS CAP STAMPED SC T205 R00W S32 S33 1984
2	38°15'30.404240" N	104°40'42.214887" W	481782.2607	988308.7122	0°30'14.2404"	0.999872754618	1441.7267	481905.487	988581.002	1480.9	COOT TYPE 2 MONUMENT INSCRIBED MILE POST 51.87 1986
3	38°15'30.888454" N	104°39'47.823682" W	481772.2907	987836.8419	0°30'47.7685"	0.999872726315	1436.7975	481865.514	987886.672	1457.891	51mm ALUM CAP INSCRIBED 28S 3 WP 52.71
4	38°15'30.566614" N	104°38'42.748237" W	481796.7806	987784.3280	0°30'50.7160"	0.999872760055	1436.4193	481923.022	988006.989	1457.620	COOT TYPE 2 MONUMENT INSCRIBED MILE POST 52.76
5	38°15'30.515821" N	104°38'46.565309" W	481788.1832	987806.7434	0°30'52.0017"	0.999872722760	1436.7251	481901.426	988081.517	1457.819	COOT TYPE 2 MONUMENT INSCRIBED MILE POST 44.70
6	38°15'30.574076" N	104°38'36.886748" W	481801.8187	987886.8601	0°30'54.3058"	0.999872760708	1436.2854	481924.860	988149.297	1458.380	COOT TYPE 2 MONUMENT INSCRIBED MILE POST 52.86
7	38°15'30.788700" N	104°38'31.754849" W	481778.8280	988021.8002	0°30'57.4502"	0.999872732650	1445.1035	481901.784	988274.528	1444.211	53mm ALUM CAP INSCRIBED COOT 52.94
8	38°15'30.882468" N	104°38'42.879738" W	481826.0885	988207.2022	0°31'27.3767"	0.999872775354	1441.7246	481949.347	988480.234	1480.8	53mm ALUM CAP INSCRIBED RESET 901
9	38°15'30.084368" N	104°38'37.770823" W	481799.8778	988334.0808	0°31'30.5718"	0.999872743508	1441.2607	481923.119	988587.155	1460.4	53mm ALUM CAP IN CONCRETE INSCRIBED COLO DEPT OF HIGHWAYS PE 5008 LS 12083
10	38°15'31.412888" N	104°38'34.407282" W	481828.0188	987886.8635	0°30'58.8322"	0.999872790787	1436.1826	481951.267	988208.578	1458.3	PS REBAR WITHOUT CAP
11	38°14'38.844148" N	104°38'48.130440" W	480137.0772	987711.3183	0°30'48.2548"	0.999870881027	1460.4482	480259.803	987983.988	1479.4	PS REBAR WITHOUT CAP
12	38°15'17.822733" N	104°39'42.813363" W	481410.3308	987783.5340	0°30'50.8600"	0.999872308916	1447.7731	481833.472	988018.195	1458.0	PS REBAR WITH 25mm PLASTIC CAP MARKED TRICO LS 2086
13	38°15'18.784738" N	104°39'42.813363" W	481435.0630	987784.5807	0°30'50.8618"	0.999872338511	1447.6870	481858.142	988017.223	1458.6	PS REBAR WITH BROKEN CAP
14	38°15'24.882833" N	104°39'41.822088" W	481827.3081	987787.8438	0°30'51.7748"	0.999872559491	1444.8486	481750.583	988050.515	1463.780	COOT TYPE 2 MONUMENT INSCRIBED MILE POST 4.83
15	38°15'34.488087" N	104°38'40.780088" W	481880.0275	987601.3880	0°30'51.8232"	0.999872864618	1438.0277	482013.281	988054.041	1457.110	COOT TYPE 2 MONUMENT INSCRIBED MILE POST 4.80
16	38°15'34.108300" N	104°38'30.285582" W	481910.0624	987637.8235	0°30'52.8390"	0.999872887960	1436.8983	482033.331	988090.205	1458.0	PS REBAR WITH 51mm ALUM CAP IN RANGE BOX INSCRIBED CITY OF PUEBLO GPS CONTROL
17	38°15'28.883180" N	104°38'42.185710" W	482583.8854	987780.7285	0°30'51.0548"	0.999873675472	1435.3782	482707.307	988013.387	1454.480	COOT TYPE 2 MONUMENT INSCRIBED COOT CONTROL MONUMENT MILE POST 5.22
18	38°15'37.518754" N	104°38'43.827883" W	481988.7836	987723.8838	0°30'49.8824"	0.999872982300	1435.9802	482122.075	987976.518	1455.1	PS REBAR WITHOUT CAP
19	38°15'37.521831" N	104°38'42.700844" W	481989.1368	987783.8624	0°30'50.7430"	0.999872982400	1436.1868	482122.429	988008.382	1458.305	PS REBAR WITHOUT CAP
20	38°15'28.883180" N	104°38'44.822281" W	482578.8834	987781.7787	0°30'48.5885"	0.999873674337	1435.1884	482702.433	987954.425	1545.3	CITY OF PUEBLO MONUMENT 20mm BRASS TACK AND TAG
22	38°14'14.024580" N	104°43'26.823350" W	479383.1287	982386.5820	0°28'33.2732"	0.999870084838	1545.6720	479615.761	982577.534	1584.4	NOAA NGS AZIMUTH MARK DISK INSCRIBED ARKANSAS AZIMUTH MARK 1949
23	38°15'08.184330" N	104°39'46.575230" W	480587.5853	987818.2810	0°30'48.3886"	0.999878626388	1451.5820	480722.033	987870.918	1470.585	NOAA NGS STAINLESS STEEL METAL ROD WITHOUT SLEEVE INSCRIBED W 430 1984

ZILSHAN-SHAW SURVEYING INC. 1310 W. TUPES AVE. ENGLEWOOD CO. 80110 PHONE (303) 781-0700

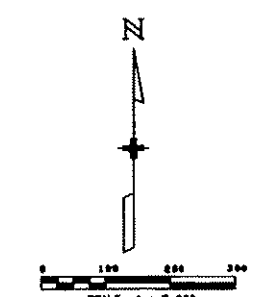
SEPTEMBER, 1998
SUBACCOUNT 11410
REGION 2

FED. ROAD REGION	DIVISION	PROJECT NUMBER	SHEET NUMBER
VIII	COLO.	S TS 0481-004	3B
REVISED			

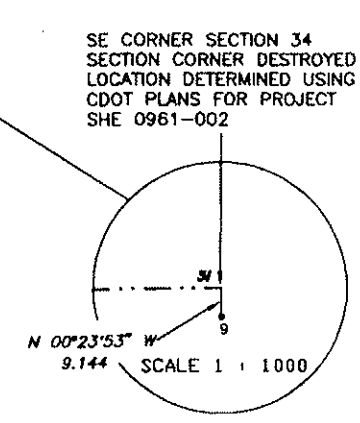
CONTROL AND MONUMENTATION SHEET

SECTIONS 33 AND 34, TOWNSHIP 20 SOUTH,
AND SECTIONS 3 AND 4, TOWNSHIP 21 SOUTH
RANGE 65 WEST, 6TH PRINCIPAL MERIDIAN
COUNTY OF PUEBLO, STATE OF COLORADO

LOCATION: SH 45 AND 96 PUEBLO

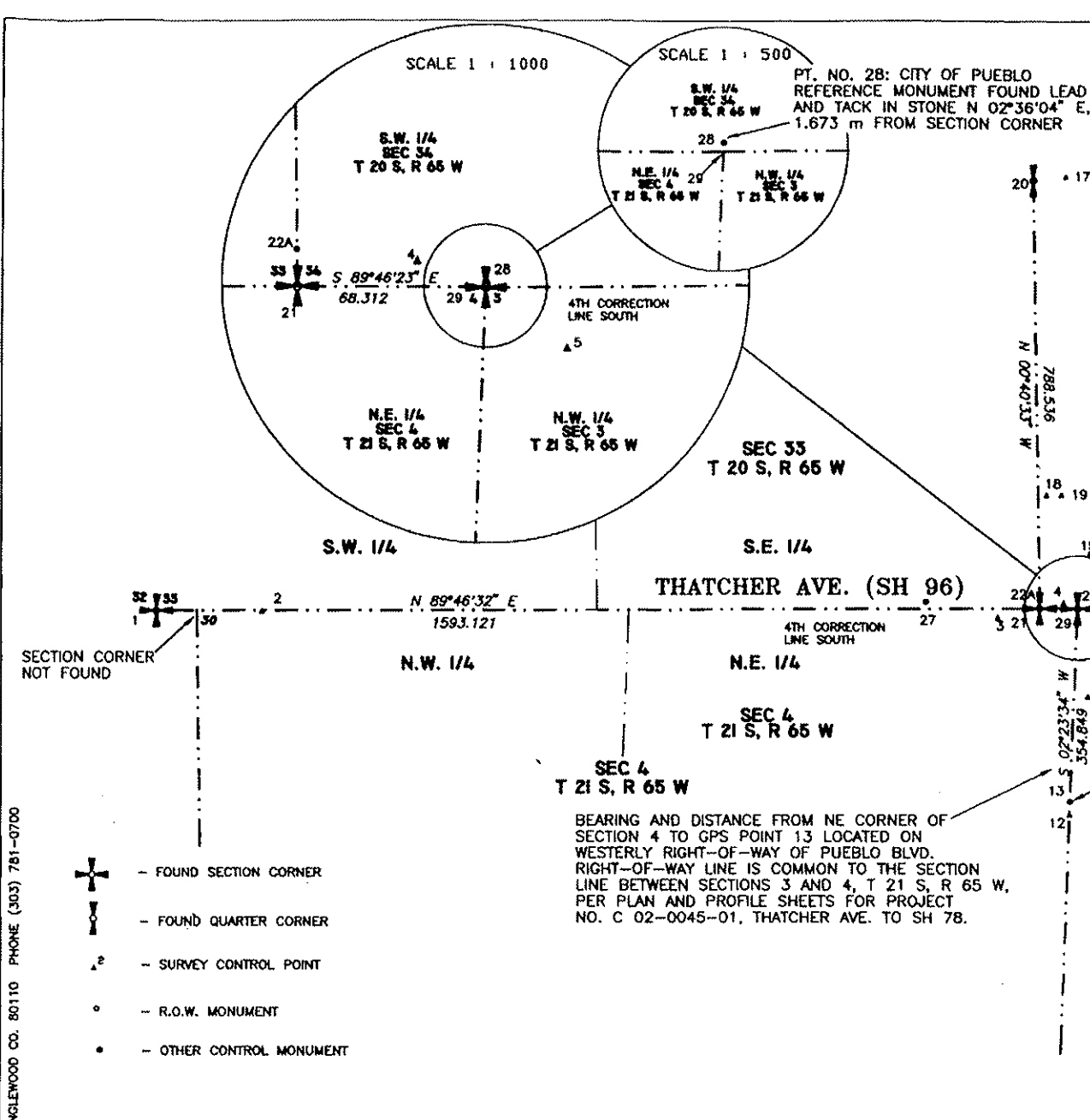


NOTE
ALL DISTANCES AND COORDINATES
SHOWN ARE IN METERS



PT. NO. 9: FOUND 83mm ALUMINUM CAP IN CONCRETE
R.O.W. MONUMENT INSCRIBED COLO DEPT
OF HIGHWAYS PE 5008 LS 12083

ZYLS-BAKER SURVEYING INC. 1510 W. TUFTS AVE., ENGLEWOOD CO. 80110 PHONE (303) 781-0700



ALIQUOT CORNERS FOUND

NO	MODIFIED GRID SYSTEM		DESCRIPTION
	NORTHING	EASTING	
1	481907.711	986370.618	SW COR SEC 33 T20S R65W FOUND 76mm BLM BRASS CAP STAMPED SC T20S R65W S32 S33 1964
20	482702.433	987954.426	E 1/4 COR SEC 33 T20S R65W FOUND CITY MONUMENT BRASS TACK AND TAG
21	481913.951	987963.727	SE COR SEC 33 T20S R65W FOUND CITY MONUMENT LEAD AND TACK
29	481915.681	988032.038	NE COR SEC 4 T21S R65W FOUND LEAD AND TACK IN STONE CORRECTION CORNER

NON-GPS HORIZONTAL CONTROL POINTS USED IN SURVEY

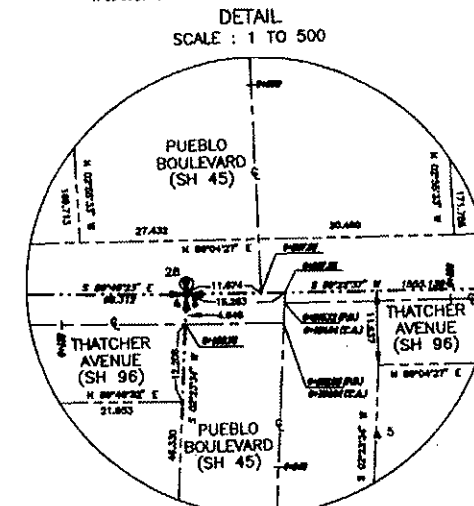
NO	MODIFIED GRID SYSTEM		DESCRIPTION
	NORTHING	EASTING	
21	481913.951	987963.727	SE COR SEC 33 T20S R65W FOUND CITY MONUMENT LEAD AND TACK
22A	481927.544	987963.436	FOUND YELLOW PIN AND CAP A & M INC PLS 16128
25	481937.893	989178.280	FOUND STANDARD CITY MONUMENT AT INTERSECTION OF THATCHER AND NEWMAN
26	481994.504	988399.287	FOUND #6 REBAR
27	481925.916	987759.482	FOUND YELLOW CAP
28	481915.352	988032.114	FOUND CITY OF PUEBLO REFERENCE MONUMENT - LEAD AND TACK IN STONE
29	481915.681	988032.038	NE COR SEC 4 T21S R65W FOUND LEAD AND TACK IN STONE CORRECTION CORNER

ALIQUOT CORNERS NOT FOUND DURING SURVEY

NO	MODIFIED GRID SYSTEM		DESCRIPTION
	NORTHING	EASTING	
30	481908.001	986444.647	NW COR SEC 4 T21S R65W
31	481932.262	989587.091	SE COR SEC 34 T20S R65W

- THE COORDINATES FOR POINT 30 ARE BASED UPON THE G.L.O. PLAT AND NOTES FOR TOWNSHIP 21 SOUTH, RANGE 65 WEST, OF THE 6TH PRINCIPAL MERIDIAN. THE POSITION IS NOT BASED UPON A THOROUGH SEARCH OR INVESTIGATION IN THE FIELD.
- THE COORDINATES FOR POINT 31 ARE BASED UPON CDOT PLANS FOR PROJECT SHE 0961-002. THE POINT WAS DESTROYED DURING CONSTRUCTION AND NOT REPLACED.

RIGHT OF WAY
OWNERSHIP MAP



PARCEL	BOOK AND PAGE
1	
2	
3	
4	
5	BOOK 2202 PAGE 808
6	
7	
8	BOOK 2562 PAGE 40
9	BOOK 2611 PAGE 80
10	BOOK 2611 PAGE 88
11	BOOK 2611 PAGE 87
12	BOOK 2611 PAGE 83
13	BOOK 2714 PAGE 630
14	BOOK 2782 PAGE 255
15	
16	BOOK 1971 PAGE 59
17	BOOK 2726 PAGE 724
18	BOOK 2731 PAGE 585
19	BOOK 2731 PAGE 585
20	
21	
22	
23	
24	
25	
26	
27	
28	

1. BASIS OF BEARINGS: THE LINE FROM THE SOUTHWEST CORNER OF SECTION 33, TOWNSHIP 20 SOUTH, RANGE 65 WEST, OF THE SIXTH PRINCIPAL MERIDIAN, (A 1964 BLM BRASS CAP) TO THE SOUTHEAST CORNER OF SECTION 33 (A CITY OF PUEBLO BRASS TACK IN A LEAD PLUG INSIDE A 25 cm DIAMETER MONUMENT BOX) WAS DETERMINED TO BE N 89°46'32" E USING MODIFIED STATE PLANE COORDINATES.
2. ALL DISTANCES SHOWN ARE IN METERS
3. THIS RIGHT-OF-WAY PLAN/OWNERSHIP MAP IS NOT A COMPLETE BOUNDARY SURVEY OF ALL ADJOINING OWNERS AND IS PREPARED FOR THE COLORADO DEPARTMENT OF TRANSPORTATION PURPOSES ONLY.
4. PROPERTIES SHOWN IN UPLANDS PARK SUBDIVISION BETWEEN THATCHER AVENUE AND BESSEMER DITCH ARE BASED UPON ASSESSORS TAX MAP NO. 05-340 AND LEGAL DESCRIPTIONS PROVIDED BY ED MCCARTHY OF ABEL ENGINEERING PROFESSIONALS, INC. A SURVEY PERFORMED BY BLACKBURN ENGINEERING (NO DATE) SHOWS THE EAST LINE OF PARCEL 22 TO BE 175.10 FEET (53.371 m). ANOTHER SURVEY DATED NOVEMBER 20, 1950 PERFORMED BY BLACKBURN ENGINEERING SHOWS THE WEST LINE OF PARCEL 22 TO BE 48.75 FEET (14.249 m) AND THE EAST LINE OF PARCEL 23 TO BE 200.0 FEET (60.960 m). FIVE SURVEYS PERFORMED BY WACHOB AND WACHOB, INC., P.O. BOX 376, COLORADO CITY, COLORADO 81019 DATED JUNE 17, 1981 SHOW BEARINGS AND DISTANCES ALONG THE CENTERLINE OF BESSEMER DITCH AND THE NORTH LINES OF PARCELS 22 THROUGH 26. NO BASIS FOR THE BEARINGS IS GIVEN ON THE DRAWINGS, NOR ARE DISTANCES GIVEN FOR THE PROPERTY LINES BETWEEN THE RIGHT-OF-WAY FOR THATCHER AVENUE AND THE RIGHT-OF-WAY FOR BESSEMER DITCH. THE TAX MAP SHOWS THE EAST LINE OF PARCEL 23 TO BE 250 FEET ±. A SURVEY OF THE AREA WAS NOT MADE, SO THAT EXACT BEARINGS AND DISTANCES FOR THE DITCH AND PARCELS IN THAT AREA ARE NOT AVAILABLE.
5. THE RIGHT-OF-WAY OF THATCHER AVENUE WAS DETERMINED FROM CDOT R.O.W. PLANS FOR PROJECT NO. US 0045(1). SAID PLANS SHOW A BEARING OF N 89°28' E FOR THATCHER AVENUE. A COUNTERCLOCKWISE ROTATION OF 0°23'33" WAS USED TO MATCH THIS SURVEY.