

RESULTS OF SURVEY

EHRENBERG - PHOENIX HIGHWAY

EHRENBERG T.I.

010 LA 000 H8008

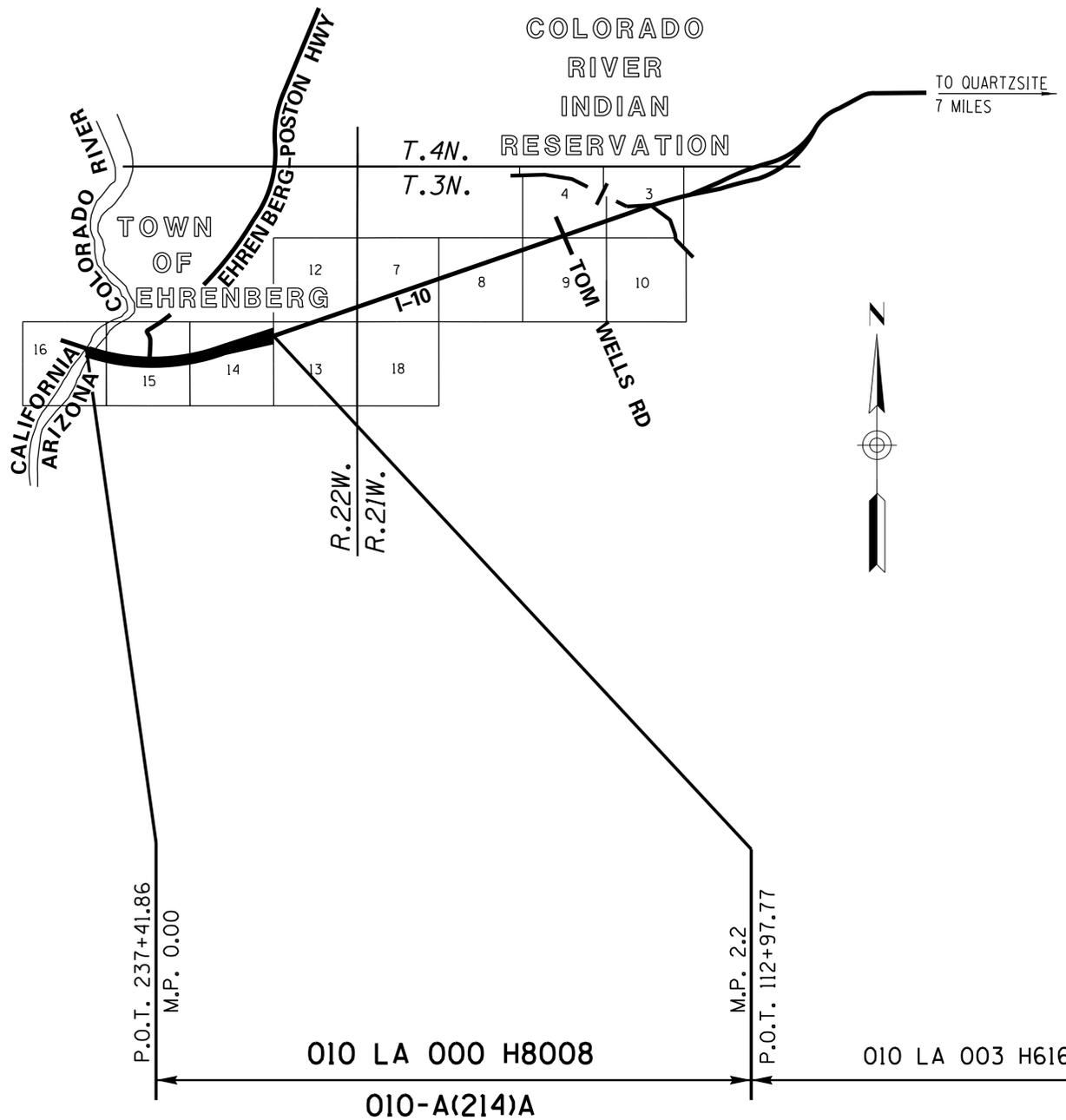
010-A(214)A

**ARIZONA DEPARTMENT
OF
TRANSPORTATION**
INTERMODAL
TRANSPORTATION
DIVISION



★ PROJECT LOCATION

COUNTY NAME: LA PAZ
 LENGTH OF PROJECT: 2.2 MILES
 ADOT DISTRICT: YUMA (Y)
 DRAWING NUMBER: D-15-T-024



SHEET INDEX

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STANDARD ABBREVIATIONS & SYMBOLS	S-1
RESULTS OF SURVEY	RS-1 TO RS-6
TOTAL SHEETS	8

APPROVED IN ACCORDANCE WITH
 ARIZONA DEPARTMENT OF TRANSPORTATION BOARD
 RESOLUTION 2012-12-A-050 DATED 12-14-2012

P.O.T. 237+41.86 M.P. 0.00

010 LA 000 H8008

010-A(214)A

M.P. 2.2 P.O.T. 112+97.77

010 LA 003 H6161 01R

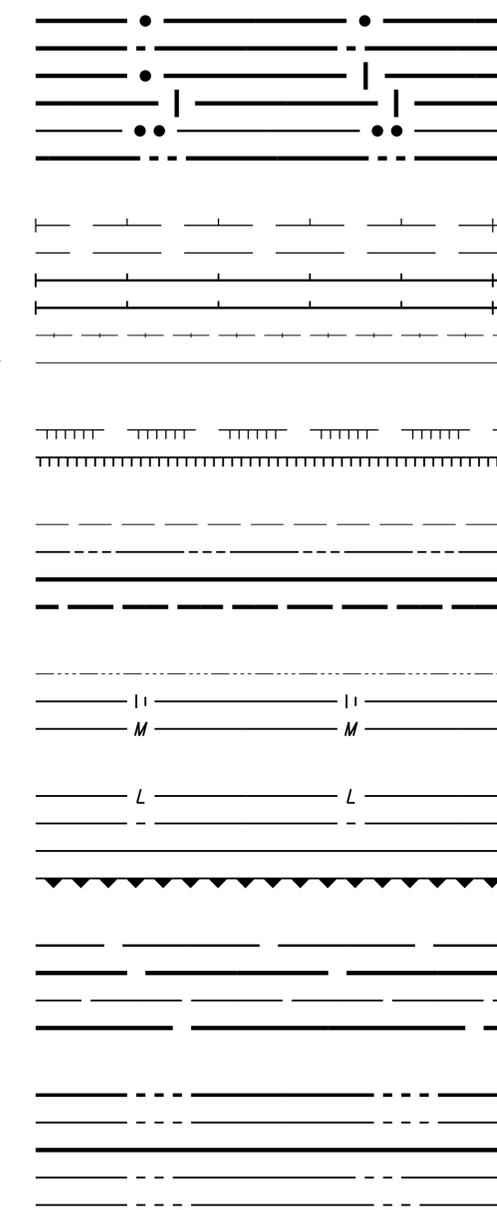
...\\DGN-DWG Files\010-rw000_cvr.dgn

*Professional Land
Surveyor AZ No. 19817*
Jim Crume
 Digitally signed on
 2014.07.02
 12:34:37 -07'00"
 (Expires 6-30-17)
<http://www.bls.state.az.us/>
 ELECTRONIC SEAL
*Certified Federal
Surveyor No. 1293*
 (Expires 10-2-15)
<http://www.cfdss.org/roster.asp>



RIGHT OF WAY - STANDARD ABBREVIATIONS & SYMBOLS

<p>A</p> <p>Acres Ahead And Husband And Others And Wife Approximate Avenue</p> <p>B</p> <p>Back Book Boulevard Brass Cap Bureau of Indian Affairs Bureau of Land Management Bureau of Reclamation</p> <p>C</p> <p>Calculated Center Centerline Construction Corner County Curve Information Curve to Spiral Degree of Curve Delta Length of Curve Point of Compound Curve Point of Curvature Point of Intersection Point of Reverse Curve Point of Reverse Spiral Point of Tangent Point on Curve Point on Tangent Point on Semi-Tangent Radius Spiral rate of change Spiral to Curve Spiral to Tangent Tangent Length Tangent to Spiral</p>	<p>Ac. Ahd. et vir et al et ux Approx. Ave.</p> <p>Bk. Bk. Blvd. B.C. B.I.A. B.L.M. B.O.R.</p> <p>(C) Ctr. € Constr. Cor. Co.</p> <p>C.S. D Δ L P.C.C. P.C. P.I. P.R.C. P.R.S. P.T. P.O.C. P.O.T. P.O.S.T. R a S.C. S.T. T T.S.</p>	<p>D</p> <p>Degrees Department Docket Drainage Easement Drive</p> <p>E</p> <p>Easement East Electrical Equation Existing</p> <p>F</p> <p>Federal Feet Flowage Easement Final Order of Condemnation Found</p> <p>H</p> <p>Highway Highway Easment Deed Homestead Entry Survey</p> <p>I</p> <p>Inch Irrigation</p> <p>J</p> <p>Junction</p> <p>L</p> <p>Lane Left Local Tangent Bearing</p> <p>M</p> <p>Measured Mile Post Mineral Survey Minutes Miscellaneous Monument</p> <p>N</p> <p>North Not to Scale Number</p> <p>P</p>	<p>° Dept. Dkt. DE Dr.</p> <p>Esmt E. Elec. Equa. Exist.</p> <p>Fed. ' FE FOC Fd.</p> <p>Hwy. HED HES</p> <p>In. or " Irr.</p> <p>Jct.</p> <p>Ln. Lt. L.T.B.</p> <p>(M) M.P. M.S. ' Misc. Mon.</p> <p>N. N.T.S. No.</p>	<p>Page Parcel Parkway Place Ponding Easement Public Utility Easement</p> <p>Q</p> <p>Quit Claim Deed</p> <p>R</p> <p>Railroad Range Record Right Right of Way Road</p> <p>S</p> <p>Seconds Section Sheet Slope Easement South Special Warranty Deed Square Square Feet State Route Station Street Subdivision</p> <p>T</p> <p>Telegraph Telephone Township Temporary Temporary Construction Easement Traffic Interchange</p> <p>U</p> <p>United States General Land Office</p> <p>W</p> <p>West Warranty Deed</p>	<p>Pg. Par. Pkwy. Pl. PE PUE</p> <p>QCD</p> <p>R.R. R. (R) Rt. R/W Rd.</p> <p>"</p> <p>Sec. Sht. SE S. SWD Sq. S.F. S.R. Sta. St. Subd.</p> <p>Tlg. Tel. T. Temp. TCE</p> <p>T.I. U.S.G.L.O.</p> <p>W. WD</p>
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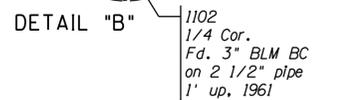
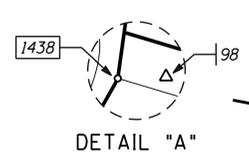
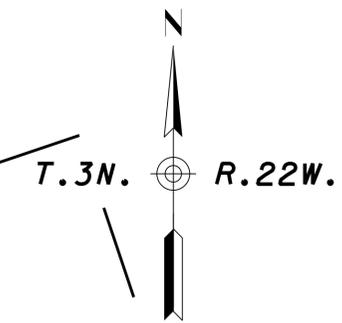
<p>Boundary Lines</p> <p>City Limit Line County Line Forest-City Limit Line Forest-Reservation Line Land Grant Boundary Line National-State Boundary Line</p> <p>Centerlines</p> <p>Exist. Centerline w/ticks Exist. Centerline wo/ticks New Constr. Centerline New Survey Centerline Railroad Centerline Centerline on Results of Survey</p> <p>Control Lines</p> <p>Exist. Access Control Line New Access Control Line</p> <p>Easement Lines</p> <p>Exist. Easement Line Exist. Drainage Easement Line New Perpetual Easement Line TCE Line</p> <p>Misc. Lines</p> <p>Ditch-River Line Meander Line Mining Claim Line</p> <p>Property Lines</p> <p>Lease Property Line Property Line Subdivision Property/Road Line Additional area to be acquired</p> <p>Public Land Survey Lines</p> <p>Mid Section Line Section Line Sixteenth (1/16) Line Township-Range Line</p> <p>R/W Lines</p> <p>Exist. ADOT R/W Line Exist. Non-ADOT R/W Line New R/W Line Railroad R/W Line Railroad-Highway R/W Line</p> <p>Topographic Features</p> <p>Cut Slope Limit Line Exist. Fence Line Exist. Topo Line Fill Slope Limit Line New Fence Line</p>	
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Break Line		Property Anchor Bar		 SECTION 7 MARICOPA CO.	 Found or Set Section Corner	 Found or Set Quarter Corner	 Found or Set Center Quarter Corner
Data Circle		Property-Lease & Unpatented Mining Claim Anchor Bar		 Unfound Section Corner	 Unfound Quarter Corner	 Unfound Center Quarter Corner	
Data Hex		Property Limit Arrow		 Mile Post Marker (approximate location)			
Data Square		Property-Lease & Unpatented Mining Claim Limit Arrow		 Parcel Bubble			
Dimension Arrow		Survey Control Pt or Angle Point		 North Arrow			
Dimension Tie							
Exist. ADOT R/W Monument							
New R/W Monument							
Centerline Control or Supplemental Monument							

...\\DGN-DWG Files\010-rw000.std.dgn			
DRAWING NO.	D-15-T-024	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	Professional Land Surveyor AZ No. 19817
SURVEY	August 2012	HIGHWAY NAME:	Jim Crume
DRAWN/DATE	BCrume/ Aug 12	EHRENBERG-PHOENIX	
ADOT REVIEW	M. Hineman	FEDERAL AID NO.:	Digitally signed on 2014.07.02 09:47:55 -07'00'
		010-A(214)A	
3838 N. CENTRAL AVE. SUITE 1200 PHOENIX, AZ 85012 (602) 263-1177		PROJECT NO.:	010 LA 000 H8008
ROUTE NO.:	I-10	LOCATION:	EHRENBERG T. I.
			Certified Federal Surveyor No. 1293 (Expires 10-2-15) http://www.cfeads.org/roster.asp
			SHEET 5-1

RESULTS OF SURVEY

STATE LINE
STATE LINE WAS CALCULATED PER GEOGRAPHICAL COORDINATES AS DEFINED IN A COMPACT BETWEEN ARIZONA AND CALIFORNIA DATED 1964.



1394 Witness Point Set 3" Alum Cap on 5/8" rebar, flush, 2012, PLS 19817 by one point control from Pt. 1102, per BLM 2009 manual of surveying instructions, Sections 7-40, 7-56 & 7-57.

1102 1/4 Cor. Fd. 3" BLM BC on 2 1/2" pipe 1' up, 1961

1102 1/4 Cor. Fd. 3" BLM BC on 2 1/2" pipe 1' up, 1961

1110 Witness Point Fd. 3" GLO BC on 1" pipe 3" up, 1916

1410 Sec. Cor. Fd. 2 1/2" GLO BC on 2" pipe 1 1/2' down, 1917

1114 Fd. 1" Iron Pipe No Tag, Not Accepted.

1410 Sec. Cor. Fd. 2 1/2" GLO BC on 2" pipe 1 1/2' down, 1917

1393 1/4 Cor. SFNF Set 3" Alum Cap on 5/8" rebar flush, 2012, PLS 19817 by modified single proportionate measurement from Pt. 188 to Pt. 213, per BLM 2009 manual of surveying instructions, Section 7-34.

188 AP 1 Fd. 3" BLM BC on 2 1/2" pipe 3" up 1980

- LEGEND**
- 302 Set Monument
 - 300 Found Monument
 - 301 Calculated position
 - Existing ADOT R/W monument
 - SFNF SEARCHED FOR NOT FOUND

- * WB EXIST R/W IS SHOWN ON R/W PLANS I-10-I1910 AS WB CONSTR &
- ** EB EXIST R/W IS SHOWN ON R/W PLANS I-10-I1910 AS EB CONSTR &
- *** WB R/W IS SHOWN ON R/W PLANS I-10-I1910 AS WB R/W &

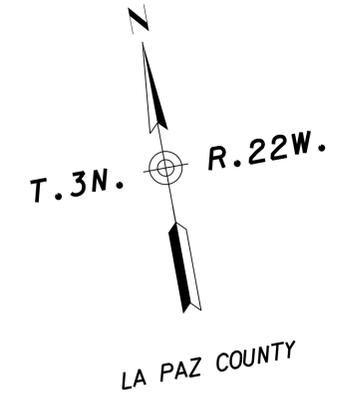
SECTIONAL CONTROL & KEY MAP LAYOUT

0 250 500
Scale

CHANGE ORDER REVISIONS			DRAWING NO.	ARIZONA DEPARTMENT OF TRANSPORTATION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	INTERMODAL TRANSPORTATION DIVISION	
				RIGHT OF WAY PLANS SECTION	
				HIGHWAY NAME: EHRENBERG-PHOENIX	
				FEDERAL AID NO.: 010-A(214)A	
				PROJECT NO.: 010 LA 000 H8008	
				ROUTE NO.: I-10	
				LOCATION: EHRENBERG T. I.	

Professional Land Surveyor AZ No. 19817
Jim Crume
Digitally signed on 2014.07.02 09:48:09-07'00'
(Expires 6-30-17)
ELECTRONIC SEAL
Certified Federal Surveyor No. 1293
(Expires 10-2-15)
http://www.cfeos.org/roster.asp

RESULTS OF SURVEY

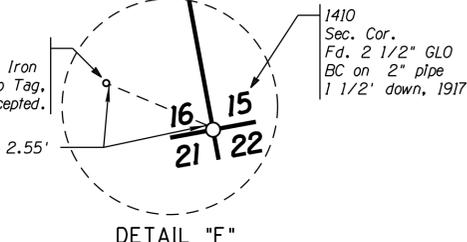


BASIS OF STATIONING
 BASIS OF STATIONING FOR WB R/W & STATIONING FROM P.O.T. 237+41.86 TO P.O.T. 8+39.64 IS BASED ON P.O.T. 00+00.00 AT (PT 1448) AHD AS SHOWN ON ADOT R/W PROJECT 1-10-11910

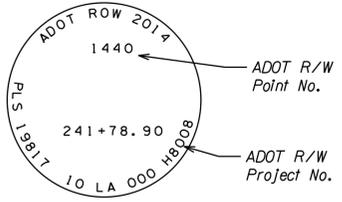
WB Exist RW & CURVE DATA
 PI 24+53.84 ← 1406
 Δ=15°15'28" LT
 D=00°29'45"
 T=1547.37'
 L=3076.43'
 R=11552.56' ← 1319

EB Exist RW & CURVE DATA
 PI 24+60.60 ← 1407
 Δ=15°15'28" LT
 D=00°29'37"
 T=1554.34'
 L=3090.28'
 R=11604.56' ← 1319

BASIS OF STATIONING
 BASIS OF STATIONING FOR WB EXIST R/W & STATIONING FROM P.O.T. 0+66.03 TO P.O.T. 79+62.06 BK IS BASED ON P.O.C. 19+99.50 AT ADOT MONUMENT (PT 1366) AS SHOWN ON ADOT R/W PROJECT 1-10-11910
 BASIS OF STATIONING FOR EB EXIST R/W & STATIONING FROM P.O.T. 0+51.84 TO P.O.T. 80+00.65 BK IS BASED ON P.O.T. 70+15.00 AT ADOT MONUMENT (PT 1183) AS SHOWN ON ADOT R/W PROJECT 1-10-11910

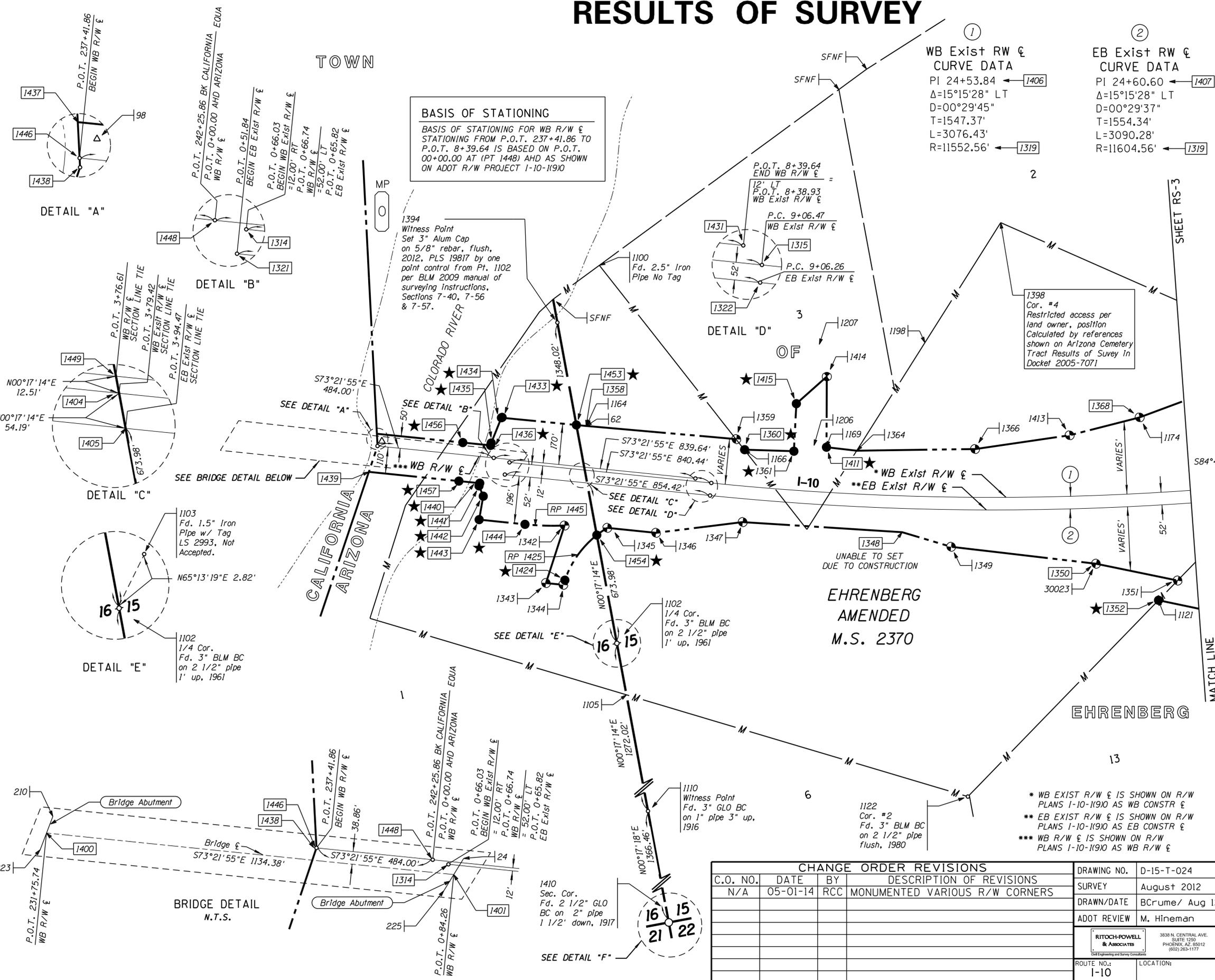
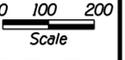


★ STANDARD ADOT R/W MONUMENT DETAIL
 Unless otherwise noted, all set monuments are 3" aluminum cap on 3/4" rebar. Typical stamping below.



LEGEND

- 302 Set Monument
- 301 Calculated position
- 300 Found Monument
- Existing ADOT R/W monument
- New R/W monument
- ★ Unless otherwise noted, Set standard ADOT R/W monument at calculated position in April 2014.



CHANGE ORDER REVISIONS				DRAWING NO.	D-15-T-024
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	August 2012
N/A	05-01-14	RCC	MONUMENTED VARIOUS R/W CORNERS	DRAWN/DATE	BCrume/ Aug 12
				ADOT REVIEW	M. Hineman
				ROUTE NO.:	I-10
				LOCATION:	EHRENBERG T. I.

ARIZONA DEPARTMENT OF TRANSPORTATION		Professional Land Surveyor AZ No. 19817	
INTERMODAL TRANSPORTATION DIVISION		Jim Crume	
RIGHT OF WAY PLANS SECTION		Digitally signed on 2014.07.02	
HIGHWAY NAME:		09:48:25 -07'00"	
EHRENBERG-PHOENIX		(Expires 6-30-17)	
FEDERAL AID NO.:		ELECTRONIC SEAL	
010-A(214)A		http://www.btr.state.az.us/	
PROJECT NO.:		Certified Federal Surveyor No. 1293	
010 LA 000 H8008		(Expires 10-2-15)	
ROUTE NO.:		http://www.cfdos.org/roster.asp	
I-10		SHEET RS-2	

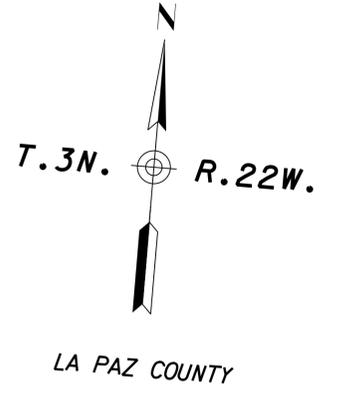
RESULTS OF SURVEY

① WB Exist R/W & CURVE DATA
 PI 24+53.84 ← 1406
 $\Delta=15^{\circ}15'28''$ LT
 $D=00^{\circ}29'45''$
 $T=1547.37'$
 $L=3076.43'$
 $R=11552.56'$ ← 1319

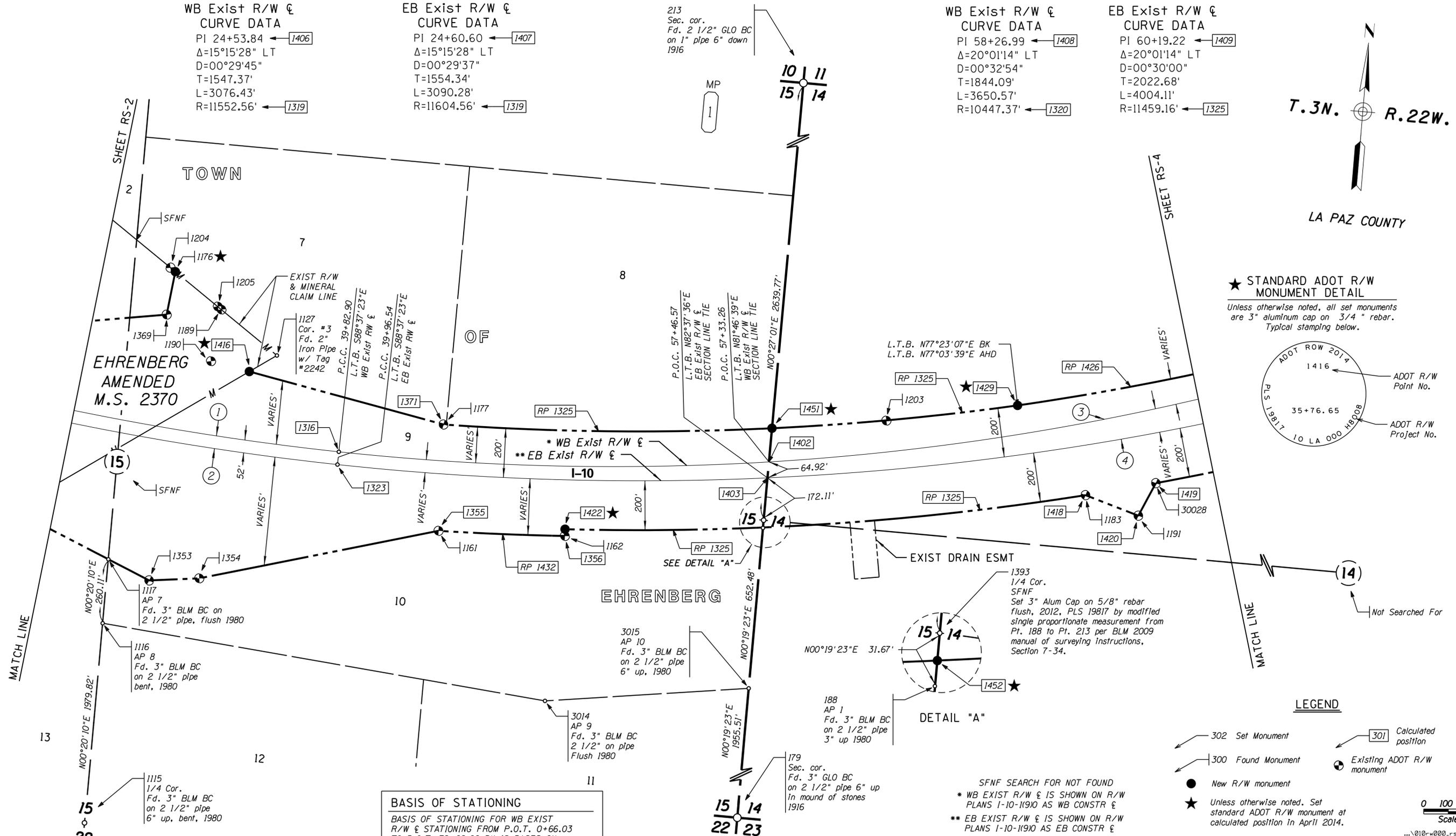
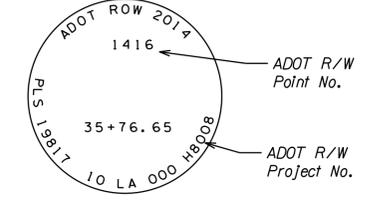
② EB Exist R/W & CURVE DATA
 PI 24+60.60 ← 1407
 $\Delta=15^{\circ}15'28''$ LT
 $D=00^{\circ}29'37''$
 $T=1554.34'$
 $L=3090.28'$
 $R=11604.56'$ ← 1319

③ WB Exist R/W & CURVE DATA
 PI 58+26.99 ← 1408
 $\Delta=20^{\circ}01'14''$ LT
 $D=00^{\circ}32'54''$
 $T=1844.09'$
 $L=3650.57'$
 $R=10447.37'$ ← 1320

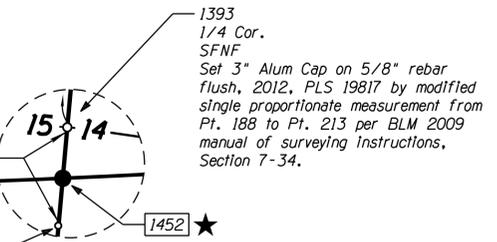
④ EB Exist R/W & CURVE DATA
 PI 60+19.22 ← 1409
 $\Delta=20^{\circ}01'14''$ LT
 $D=00^{\circ}30'00''$
 $T=2022.68'$
 $L=4004.11'$
 $R=11459.16'$ ← 1325



★ STANDARD ADOT R/W MONUMENT DETAIL
 Unless otherwise noted, all set monuments are 3" aluminum cap on 3/4" rebar. Typical stamping below.



BASIS OF STATIONING
 BASIS OF STATIONING FOR WB EXIST R/W & STATIONING FROM P.O.T. 0+66.03 TO P.O.T. 79+62.06 BK IS BASED ON P.O.C. 19+99.50 AT ADOT MONUMENT (PT 1366) AS SHOWN ON ADOT R/W PROJECT 1-10-11910
 BASIS OF STATIONING FOR EB EXIST R/W & STATIONING FROM P.O.T. 0+51.84 TO P.O.T. 80+00.65 BK IS BASED ON P.O.T. 70+15.00 AT ADOT MONUMENT (PT 1183) AS SHOWN ON ADOT R/W PROJECT 1-10-11910



- LEGEND**
- 302 Set Monument
 - 300 Found Monument
 - New R/W monument
 - ★ Unless otherwise noted, Set standard ADOT R/W monument at calculated position in April 2014.
 - 301 Calculated position
 - ⊕ Existing ADOT R/W monument



CHANGE ORDER REVISIONS				DRAWING NO.	D-15-T-024	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION		Professional Land Surveyor AZ No. 19817
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	August 2012	HIGHWAY NAME:		Jim Crume
N/A	05-01-14	RCC	MONUMENTED VARIOUS R/W CORNERS	DRAWN/DATE	BCrume/ Aug 12	EHRENBERG-PHOENIX		Digitally signed on 2014.07.02
				ADOT REVIEW	M. Hineman	FEDERAL AID NO.:		09:48:38 -07'00'
						PROJECT NO.:		(Expires 6-30-17)
						010 LA 000 H8008		ELECTRONIC SEAL
				ROUTE NO.:	I-10	LOCATION:		Certified Federal Surveyor No. 1293
						EHRENBERG T. I.		(Expires 10-2-15)
								http://www.cfdos.org/roster.asp
								SHEET RS-3

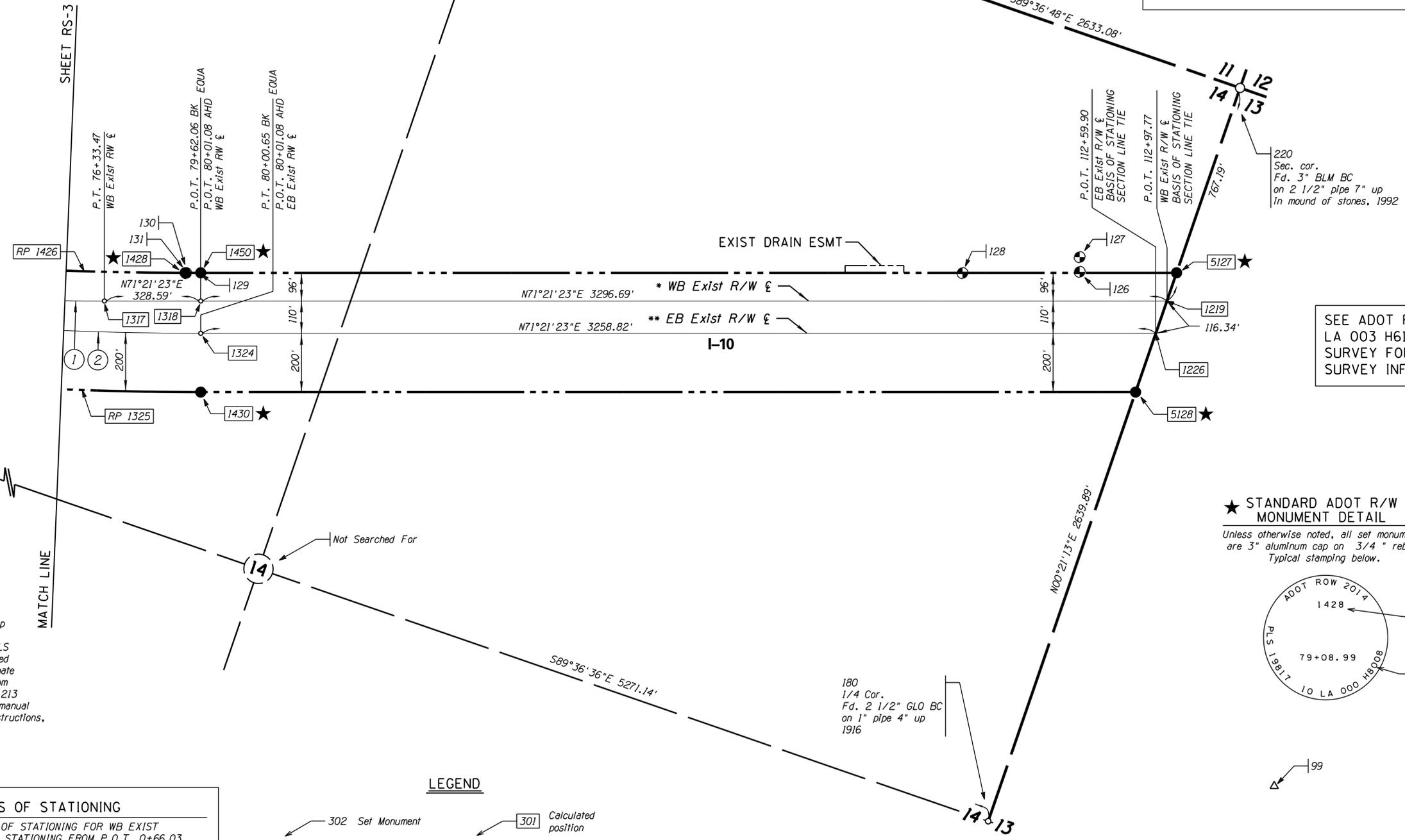
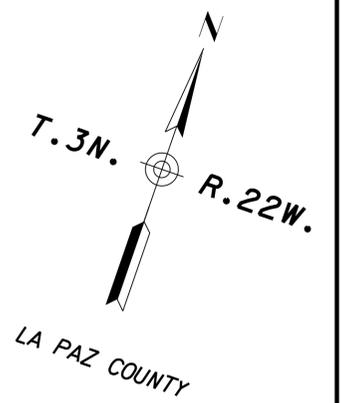
RESULTS OF SURVEY

①
WB EXIST R/W & CURVE DATA
PI 58+26.99 ← 1408
Δ=20°01'14" LT
D=00°32'54"
T=1844.09'
L=3650.57'
R=10447.37' ← 1320

②
EB EXIST R/W & CURVE DATA
PI 60+19.22 ← 1409
Δ=20°01'14" LT
D=00°30'00"
T=2022.68'
L=4004.11'
R=11459.16' ← 1325

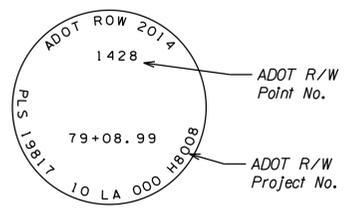
BASIS OF STATIONING
BASIS OF STATIONING FOR WB EXIST R/W & STATIONING FROM P.O.T. 80+01.08 AHD TO P.O.T. 112+97.77 IS BASED ON P.O.T. 112+97.77 AT (PT 1219) AS SHOWN ON ADOT R/W PROJECT 010 LA 003 H6161 01R

BASIS OF STATIONING FOR EB EXIST R/W & STATIONING FROM P.O.T. 80+01.08 AHD TO P.O.T. 112+59.90 IS BASED ON P.O.T. 112+59.90 AT (PT 1226) AS SHOWN ON ADOT R/W PROJECT 010 LA 003 H6161 01R



SEE ADOT R/W PROJECT 010 LA 003 H6161 01R RESULTS OF SURVEY FOR CONTINUATION OF SURVEY INFO.

★ STANDARD ADOT R/W MONUMENT DETAIL
Unless otherwise noted, all set monuments are 3" aluminum cap on 3/4" rebar. Typical stamping below.



BASIS OF STATIONING
BASIS OF STATIONING FOR WB EXIST R/W & STATIONING FROM P.O.T. 0+66.03 TO P.O.T. 79+62.06 BK IS BASED ON P.O.C. 19+99.50 AT ADOT MONUMENT (PT 1366) AS SHOWN ON ADOT R/W PROJECT I-10-11910

BASIS OF STATIONING FOR EB EXIST R/W & STATIONING FROM P.O.T. 0+51.84 TO P.O.T. 80+00.65 BK IS BASED ON P.O.T. 70+15.00 AT ADOT MONUMENT (PT 1183) AS SHOWN ON ADOT R/W PROJECT I-10-11910

- LEGEND**
- 302 Set Monument
 - 300 Found Monument
 - New R/W monument
 - ★ Unless otherwise noted, Set standard ADOT R/W monument at calculated position in April 2014.
 - 301 Calculated position
 - Existing ADOT R/W monument
 - * WB EXIST R/W & IS SHOWN ON R/W PLANS I-10-11910 AS WB CONSTR &
 - ** EB EXIST R/W & IS SHOWN ON R/W PLANS I-10-11910 AS EB CONSTR &

CHANGE ORDER REVISIONS				DRAWING NO.	ARIZONA DEPARTMENT OF TRANSPORTATION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	D-15-T-024	INTERMODAL TRANSPORTATION DIVISION	
N/A	05-01-14	RCC	MONUMENTED VARIOUS R/W CORNERS	SURVEY	RIGHT OF WAY PLANS SECTION	
				DRAWN/DATE	EHRENBERG-PHOENIX	
				ADOT REVIEW	FEDERAL AID NO.: 010-A(214)A	
					PROJECT NO.: 010 LA 000 H8008	
				ROUTE NO.: I-10	LOCATION: EHRENBERG T. I.	

RESULTS OF SURVEY

GENERAL NOTES

TWO NGS CONTROL STATIONS WERE USED TO ESTABLISH THE CONTROL BASELINE FOR THIS SURVEY AND THEY ARE AS FOLLOWS:

DW0712 NAD 83 (1992) 33°36'12.03164" (N) 114°29'26.36671" (W)
 Grid Coordinates N 947890.24339 E 474481.48063
 Ground Coordinates (Pt. 99) N 947917.51837 E 474495.13355

DW1289 NAD 83 (1992) 33°36'17.52825" (N) 114°31'51.26905" (W)
 Grid Coordinates N 948535.90576 E 462229.69405
 Ground Coordinates (Pt. 98) N 948563.19931 E 462242.99443

THE FOLLOWING PARAMETERS WERE SET FOR THE BASIS OF THIS SURVEY:

SYSTEM: UNITED STATES STATE PLANE 1983
 ZONE: ARIZONA WEST 0203
 DATUM: NORTH AMERICAN 1983 (CONUS)
 GEOID MODEL: GEOID09 (CONTINENTAL US)

UNITS = INTERNATIONAL FEET (1 FOOT = 0.3048 METERS EXACTLY)

DIRECT SATELLITE MEASUREMENTS WERE MADE ON EACH POINT ON THE NORTH AMERICAN DATUM OF 1983 WITH AUTOMATIC TRANSLATIONS MADE TO THE STATE PLANE GRID SYSTEM.

GPS CALIBRATION AND TRANSLATION TO THE SURFACE WAS PERFORMED BY GPS SURVEY SOFTWARE. A GRID ADJUSTMENT FACTOR OF 1.0000287744 AND SCALE ORIGIN VALUES OF N=0.00, E=0.00, AS SHOWN ON ADOT R/W PROJECT 010 LA 003 H6161 01R.

ALL BEARINGS ARE GRID BEARINGS, DISTANCES ARE GROUND DISTANCES AND COORDINATES ARE GROUND COORDINATES.

THE EXISTING ADOT R/W SHOWN ON THIS RESULTS OF SURVEY WAS BASED ON AN OBSERVATION AND EVALUATION OF PHYSICAL CORROBORATING EVIDENCE IN THE FIELD AND A REVIEW AND ANALYSIS OF EXISTING R/W PLANS, MAPS AND R/W TITLE DOCUMENTS AVAILABLE AT THE TIME THE SURVEY WAS PREPARED; AND MAY NOT REFLECT PRIOR OR PENDING ADOT DISPOSALS OR ACQUISITIONS THAT WERE NOT SHOWN ON SAID PLANS AND DOCUMENTS AT THE TIME THE SURVEY WAS PREPARED.

THIS RESULTS OF SURVEY IS ON FILE IN THE FILE ROOM OF THE RIGHT OF WAY PLANS SECTION OF THE ARIZONA DEPARTMENT OF TRANSPORTATION, 205 SOUTH 17TH AVE, MD 612E, PHOENIX, AZ 85007. (602) 712-7270 SEE ADOT R/W FILE COPY FOR MOST CURRENT ADDITIONS OR REVISIONS.

FOR ADDITIONAL INFORMATION ON SECTION CORNER DESCRIPTIONS, SEE CORNER RECOVERY SHEETS IN THE ADOT R/W PLANS SECTION RECORDS.

PUBLIC INFORMATION USED IN PREPARATION OF SURVEY

PUBLIC INFORMATION USED IN PREPARATION OF SURVEY										
YUMA COUNTY RECORDER'S OFFICE						ADOT RIGHT OF WAY PLANS				
SEC.	TWP.	RNG.	BOOK	PAGE	DESCRIPTION	PROJECT NO.	DWG NO.	ADOT TRACS NO.	DESCRIPTION	DATE
15	3N	22W	2000-02397		RESULTS OF SURVEY-LAND DIVISION SPLIT	010 LA 003 H6161 01R	D-15-T-018	---	EHRENBERG-PORT OF ENTRY	2009
15	3N	22W	2011-2788		AMENDED MINOR LAND DIVISION	1-10-1(9) 0	D-14-T-307	---	EHRENBERG-PHOENIX-R/W PLANS	1960
15	3N	22W	2007-6501		MINOR LAND DIVISION	1-10-1(9) 0	C-14-T-307B	---	EHRENBERG-PHOENIX-R/W STRIP MAP	1959
15	3N	22W	2001-04569		RESULTS OF SURVEY- THE HOLT GROUP					
15	3N	22W	2008-3727		ALTA/ACSM LAND TITLE SURVEY					
15	3N	22W	2008-3728		ALTA/ACSM LAND TITLE SURVEY					
15	3N	22W	2005-02862		LOT CONSOLIDATION AND LOT LINE ADJUSTMENT					
15	3N	22W	2005-7071		RESULTS OF SURVEY- ARIZONA CEMETERY TRACT					
15	3N	22W	4	28	EHRENBERG HIGHTS					
15	3N	22W	---	54	TOWNSITE OF EHRENBERG (ABANDONED)					
CALTRANS AS-BUILTS						ADOT AS-BUILTS				
PROJECT NO.	DWG NO.	ADOT TRACS NO.	DESCRIPTION	DATE	PROJECT NO.	DWG NO.	ADOT TRACS NO.	DESCRIPTION	DATE	
1-010-5(5) 243	---	10-1(1) RD	CALIFORNIA PLANS	1960	10-1(1) CAL RD	---	---	EHRENBERG BRIDGE APPROACH	1963	
1-084-5(1)	---	10-5(2) 244 RD	CALIFORNIA PLANS	1958	10-1(8) RD	---	---	EHRENBERG-PHOENIX AS BULTS	1964	
					10-1(21) RD	---	---	PLANS AND PROFILE OF PROPOSED	1979	
					10-1(60) RD	---	---	PLANS AND PROFILE OF PROPOSED	1963	
					F.L.H. 1(3)	---	---	GRADING AND BRIDGES	1948	
ARIZONA - CALIFORNIA						GLO & BLM PLATS & NOTES				
PROJECT NO.	DWG NO.	ADOT TRACS NO.	DESCRIPTION	DATE	PLAT NO.	DESCRIPTION	DATE			
---	---	---	ARIZONA - CALIFORNIA BOUNDARY COMPACT	1963	2695	T. 3N. R. 22W. GILA AND SALT RIVER MERIDIAN	1920			
					2695-A	T. 3N. R. 22W. GILA AND SALT RIVER MERIDIAN	1962			
					2695-B	T. 3N. R. 22W. GILA AND SALT RIVER MERIDIAN	1967			
					2695-C	T. 3N. R. 22W. GILA AND SALT RIVER MERIDIAN	1982			
					2695-D	T. 3N. R. 22W. GILA AND SALT RIVER MERIDIAN	1983			
					2695-E	T. 3N. R. 22W. GILA AND SALT RIVER MERIDIAN	1983			
					2695-F	T. 3N. R. 22W. GILA AND SALT RIVER MERIDIAN	1983			
					2695-G	T. 3N. R. 22W. GILA AND SALT RIVER MERIDIAN	1983			
					2695-H	T. 3N. R. 22W. GILA AND SALT RIVER MERIDIAN	1983			
					2695-I	T. 3N. R. 22W. GILA AND SALT RIVER MERIDIAN	1992			
					2695-J	T. 3N. R. 22W. GILA AND SALT RIVER MERIDIAN	1992			
					2695-K	T. 3N. R. 22W. GILA AND SALT RIVER MERIDIAN	1998			
					5171 BK	T. 3N. R. 22W. SEC 15 FIELD NOTES	1980			
					5181 BK	T. 3N. R. 22W. SEC 21, 22, 27, 28, 33, AND 34 FIELD NOTES	1980			

SECTIONAL, GLO LOTS, & MINERAL CORNERS

PT.	NORTHING	EASTING
179	944888.76456	468322.67521
180	947492.49382	473608.57290
181	950150.10215	470991.85057
188	947496.70786	468337.37525
213	950168.06108	468358.29924
220	950132.33463	473624.86879
1102	947563.88680	463056.04255
1110	946291.87897	463049.66446
1115	944909.22762	465683.89921
1116	946889.01168	465695.51637
1117	947149.12036	465697.04266
1122	946669.00394	464365.11011
1127	948029.12945	466311.05220
1131	950178.11215	467037.60653
1393	947528.37736	468337.55376
1394	948911.89259	463062.80170
1397	950188.38828	465749.69753
1410	944925.43988	463042.78840
3014	946724.75736	467512.83639
3015	946844.24078	468333.69753

CHANGE ORDER REVISIONS				DRAWING NO.	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	D-15-T-024	Highway Name: EHRENBERG-PHOENIX FEDERAL AID NO.: 010-A(214)A PROJECT NO.: 010 LA 000 H8008	
				August 2012		
				BCrume / Aug 12		
				M. Hineman		
				ADOT REVIEW	PROFESSIONAL SEAL RITCOCH-POWELL & ASSOCIATES 3838 N. CENTRAL AVE. SUITE 1200 PHOENIX, AZ 85012 (602) 263-1177 Civil Engineering and Survey Consultants	
				ROUTE NO.: I-10		
				Professional Land Surveyor AZ No. 19817 Jim Crume Digitally signed on 2014.07.02 09:50:13 -07'00' (Expires 6-30-17) ELECTRONIC SEAL http://www.btr.state.az.us/ Certified Federal Surveyor No. 1293 (Expires 10-2-15) http://www.cfdas.org/roster.asp		
				SHEET RS-5		

RESULTS OF SURVEY

CALCULATED POINTS		
PT.	NORTHING	EASTING
1219	949365.15845	473620.13297
1226	949248.82428	473619.41483
1314	948381.75961	462759.41638
1315	948141.16770	463564.68337
1316	947661.02077	466594.21720
1317	948206.22632	470185.08811
1318	948311.27020	470496.43545
1319	959210.24488	466871.82305
1320	958105.37402	466845.26554
1321	948335.93789	462731.13546
1322	948091.34394	463549.79738
1323	947609.03529	466592.96916
1324	948207.04242	470531.60034
1325	959064.88645	466868.32711
1346	947982.01887	463300.90467
1347	947958.11605	463662.17702
1348	947792.96717	464302.79734
1350	947514.34973	465067.32319
★1352	947317.51420	465292.93876
1355	947375.65308	467024.62923
1356	947397.48427	467538.09017
1358	948470.09605	463099.51785
★1360	948250.49518	463725.94324
★1361	948205.90316	463925.20077
1368	948074.28327	465358.26112
1371	947806.60399	467008.89688
1395	879043.54250	423031.09875
1396	995082.53068	468708.25502
1398	948972.58776	464943.85818
1400	948675.74331	461681.60150
1401	948351.00496	462768.50867
1402	947765.40048	468339.41654
1403	947700.47953	468338.90632
1404	948292.04491	463059.69367
1405	948237.85480	463059.42195
1406	947698.20378	465047.29443
1407	947646.38616	465039.08193
1408	947616.70774	468437.77030
1409	947560.43122	468615.06148

CALCULATED POINTS		
PT.	NORTHING	EASTING
★1411	948196.74712	464060.89334
★1415	948396.93857	463972.19619
★1416	947954.83378	466204.75681
1418	947738.18111	469632.70007
1419	947810.42951	469913.52183
1420	947673.05498	469853.28699
★1422	947424.87785	467536.31775
★1424	947860.86640	462893.37688
1425	947658.69862	463245.16252
1426	959152.14910	466782.87798
★1428	948385.26718	470415.46095
★1429	948077.52087	469327.28652
★1430	948017.53736	470595.53650
1431	948172.00010	463503.40519
1432	959152.29554	466781.10790
★1433	948570.19825	462764.47334
★1434	948569.32646	462761.26802
★1435	948474.66240	462700.29692
★1436	948465.51118	462695.67737
1437	948601.01749	462242.13442
1438	948550.21568	462235.06729
1439	948452.59170	462180.00428
★1440	948320.40730	462622.42870
★1441	948310.13667	462617.24407
★1442	948264.99700	462626.60461
★1443	948173.03636	462591.70010
★1444	948118.41446	462774.52096
1445	949225.00982	463105.14161
1446	948550.91592	462235.16471
1448	948412.36300	462698.90472
1449	948304.55032	463059.75637
★1450	948402.23263	470465.74610
★1451	947902.38624	468340.49312
★1452	947498.64777	468337.38618
★1453	948481.71030	463060.64468
★1454	948018.86007	463058.32387
★1456	948498.59043	462584.96031
★1457	948345.28654	462539.15727
★5127	949466.68646	473620.75971
★5128	949037.30760	473618.10913

EXIST R/W LINE I-10					
LEFT SIDE			RIGHT SIDE		
PT.	STATION	OFFSET	PT.	STATION	OFFSET
*1456	240+92.00	50.00 LT	*1457	240+92.00	110.00 RT
*1437	---	---	*1439	---	---
*1436	242+07.55	50.00 LT	*1440	241+78.90	110.00 RT
*1435	242+09.36	60.09 LT	*1441	241+76.88	121.32 RT
	242+25.86 BK	---	*1442	241+98.77	161.90 RT
	0+00.00 AHD	---	*1443	241+91.65	260.00 RT
				242+25.86 BK	---
*1434	0+14.82	168.25 LT		0+00.00 AHD	---
*1433	0+17.64	170.00 LT	**1444	1+55.89	248.00 RT
**1453	3+26.04	182.00 LT		Radius Pt.	---
**1358	3+66.61	182.00 LT	1445	3+19.39	236.37 RT
**1359	9+92.48	190.50 LT	**1342	3+19.39	236.37 RT
**1360	10+31.31	150.25 LT	**1343	2+66.90	480.66 RT
**1361	12+38.02	160.54 LT	**1344	3+38.81	480.66 RT
**1415	12+33.88	357.23 LT	**1424	3+43.50	460.74 RT
**1414	13+56.55	477.27 LT	1425	Radius Pt.	---
**1411	13+73.65	186.01 LT	**1454	4+56.31	262.14 RT
**1364	15+01.53	178.63 LT	1425	Radius Pt.	---
**1366	19+99.50	199.30 LT	**1345	4+96.54	228.00 RT
**1413	23+99.81	252.07 LT	**1346	6+99.29	228.00 RT
**1368	26+99.91	314.21 LT	**1347	10+50.44	148.39 RT
**1369	31+96.67	452.13 LT	**1348	17+03.65	150.18 RT
**1176	32+00.97	629.65 LT	**1349	19+04.83	205.44 RT
**1127	36+81.62	357.39 LT	**1350	24+92.09	281.72 RT
**1416	35+76.65	277.40 LT	**1351	28+16.99	367.94 RT
**1371	44+14.99	200.00 LT	**1352	27+35.73	444.52 RT
1325	Radius Pt.	---	**1117	31+38.82	565.64 RT
**1451	57+74.54	200.00 LT	**1353	33+08.04	621.36 RT
1325	Radius Pt.	---	**1354	34+98.16	581.19 RT
**1429	67+94.90	200.00 LT	**1355	44+08.60	283.85 RT
1426	Radius Pt.	---	1432	Radius Pt.	---
**1428	79+08.99	96.00 LT	**1356	49+09.00	282.91 RT
**1450	79+62.06 BK	96.00 LT	**1422	49+09.00	255.46 RT
**5127	80+01.08 AHD	96.00 LT	1325	Radius Pt.	---
	---	---	**1452	56+94.09	263.80 RT
			1325	Radius Pt.	---
			**1418	70+15.00	200.00 RT
			**1420	72+08.51	317.25 RT
			**1419	73+00.00	200.00 RT
			1325	Radius Pt.	---
			**1430	79+62.06 BK	310.00 RT
				80+01.08 AHD	310.00 RT
			**5128	111+91.05	310.00 RT

*STATIONS AND OFFSETS ARE FROM THE WB R/W €
 **STATIONS AND OFFSETS ARE FROM THE WB EXIST R/W €
 ***STATIONS AND OFFSETS ARE FROM THE EB EXIST R/W €

EXISTING ADOT R/W MONUMENTATION					
PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
**126	949364.20079	473306.49780	FD. ADOT ALUM CAP IN CONCRETE	110+00.29	99.36 LT
**127	949411.56297	473290.52632	FD. ADOT ALUM CAP IN CONCRETE	110+00.29	149.34 LT
**128	949232.28692	472928.83122	FD. ADOT ALUM CAP IN CONCRETE	106+00.27	95.10 LT
**130	948385.25818	470418.96707	FD. ADOT ALUM CAP IN CONCRETE	79+12.31	94.87 LT
**131	948389.04582	470417.70762	FD. ADOT ALUM CAP IN CONCRETE	79+12.32	98.86 LT
**1161	947375.18506	467024.79834	FD. ADOT ALUM CAP IN CONCRETE	44+08.76	284.32 RT
**1162	947396.86076	467537.93092	FD. ADOT ALUM CAP IN CONCRETE	49+08.81	283.52 RT
**1174	948074.10159	465358.47803	FD. ADOT ALUM CAP IN CONCRETE	27+00.16	314.06 LT
**1177	947805.95115	467009.06179	FD. ADOT ALUM CAP IN CONCRETE	44+15.15	199.35 LT
**1183	947737.53957	469632.86182	FD. ADOT ALUM CAP IN CONCRETE	70+15.00	200.66 RT
**1189	948195.65411	466070.86852	FD. ADOT ALUM CAP IN CONCRETE	34+21.93	508.89 LT
**1190	947983.81916	466046.10196	FD. ADOT ALUM CAP IN CONCRETE	34+12.35	295.81 LT
**1191	947673.75543	469853.77854	FD. ADOT ALUM CAP IN CONCRETE	72+09.14	316.70 RT
**1203	947971.72941	468801.05645	FD. ADOT ALUM CAP IN CONCRETE	62+48.58	198.89 LT
**1204	948339.01362	465865.50658	FD. ANGLE IRON	31+94.19	634.85 LT
**1205	948206.68206	466055.39424	FD. ADOT ALUM CAP IN CONCRETE	34+04.94	518.75 LT
**1342	948082.75494	462934.50427	FD. ADOT ALUM CAP IN CONCRETE	3+19.39	236.37 RT
**1343	947863.71272	462814.28177	FD. ADOT ALUM CAP IN CONCRETE	2+66.90	480.66 RT
**1344	947843.12712	462883.18229	FD. ADOT ALUM CAP IN CONCRETE	3+38.81	480.66 RT
**1345	948040.05991	463106.63990	FD. ADOT ALUM CAP IN CONCRETE	4+96.54	228.00 RT
**1349	947695.84762	464490.81074	FD. ADOT ALUM CAP IN CONCRETE	19+04.83	205.44 RT
**1351	947382.68824	465386.18376	FD. ADOT ALUM CAP IN CONCRETE	28+16.99	367.94 RT
**1353	947077.67914	465869.23813	FD. ADOT ALUM CAP IN CONCRETE	33+08.04	621.36 RT
**1354	947102.90585	466071.67897	FD. ADOT ALUM CAP IN CONCRETE	34+98.16	581.19 RT
**1359	948299.78110	463700.35849	FD. ADOT ALUM CAP IN CONCRETE	9+92.48	190.50 LT
**1366	948073.73563	464663.95661	FD. ADOT ALUM CAP IN CONCRETE	19+99.50	199.30 LT
**1369	948156.84939	465851.04186	FD. ADOT ALUM CAP IN CONCRETE	31+96.67	452.13 LT
**1413	948056.01789	465059.56084	FD. ADOT ALUM CAP IN CONCRETE	23+99.81	252.07 LT
**1414	948483.02625	464117.04013	FD. ADOT ALUM CAP IN CONCRETE	13+56.55	477.27 LT
**30023	947514.26606	465067.03879	FD. ADOT ALUM CAP IN CONCRETE	24+91.83	281.85 RT
**30028	947809.99976	469914.02773	FD. ADOT ALUM CAP IN CONCRETE	73+00.37	200.55 RT

*STATIONS AND OFFSETS ARE FROM THE WB R/W €
 **STATIONS AND OFFSETS ARE FROM THE WB EXIST R/W €
 ***STATIONS AND OFFSETS ARE FROM THE EB EXIST R/W €

MISCELLANEOUS R/W MONUMENTATION					
PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
**62	948468.81314	463099.18973	FD. 1/2" RB W/ CAP LS 9083	3+66.66	180.68 LT
**129	948396.65001	470471.19188	FD. FHWA BRASS CAP	80+04.46	88.97 LT
**1121	947319.51974	465291.98536	FD. 1/2" RB BENT NO TAG	27+34.56	442.66 RT
**1164	948471.48787	463101.72226	FD. 1/2" RB W/ CAP LS 16810	3+68.32	183.96 LT
**1166	948250.18791	463725.61139	FD. 1/2" RB NO TAG	10+31.07	149.86 LT
**1169	948197.69674	464061.19795	FD. 1 1/2" IRON PIPE NO TAG	13+73.71	187.01 LT
*1176	948333.24458	465871.41314	FD. 1/2" RUSTY RB NO TAG	32+00.97	629.65 LT
**1361	948205.90316	463925.20077	FD. 1/2" RB BENT NO TAG	12+38.02	160.54 LT
**1364	948159.13663	464181.23017	FD. 1/2" RB W/ CAP RLS 13570	15+01.53	178.63 LT

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MISCELLANEOUS MONUMENTATION			
PT.	NORTHING	EASTING	DESCRIPTION
24	948389.73932	462803.97176	FD. EDGE OF CONC. ABUTMENT
210	948717.59726	461707.52137	FD. EDGE OF CONC. ABUTMENT
223	948633.88936	461655.68163	FD. EDGE OF CONC. ABUTMENT
225	948312.27060	462733.04557	FD. EDGE OF CONC. ABUTMENT
1100	949111.63190	463277.96038	FD. 2.5" IRON PIPE NO TAG
1103	947565.07032	463058.60650	FD. 1.5" IRON PIPE W/ TAG LS 2993
1114	944925.67443	463040.24658	FD. 1" IRON PIPE NO TAG
1105	947347.55233	463055.13983	FD. 5/8" RB NO TAG
1198	948544.23646	464542.64279	FD. 1/2" RB W/ CAP RLS 13570
1206	948213.59359	464011.58130	FD. 1/2" RB W/ CAP RLS 13570
1207	948619.49450	464111.46220	FD. 1/2" RB W/ CAP RLS 13570

★₁ Set Standard ADOT R/W Monument on top of Fd. 1/2" Rusty Rebar.

★ Unless otherwise noted, Set standard ADOT R/W monument at calculated position in April 2014.
 See sheets RS-2 to RS-4 for detailed monument information.

CHANGE ORDER REVISIONS				DRAWING NO.	D-15-T-024	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	Professional Land Surveyor AZ No. 19817 Jim Crume Digitally signed on 2014.07.02 09:50:28 -07'00' (Expires 6-30-17) ELECTRONIC SEAL http://www.btr.state.az.us/
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	August 2012		
N/A	05-01-14	RCC	MONUMENTED VARIOUS R/W CORNERS	DRAWN/DATE	BCrume		