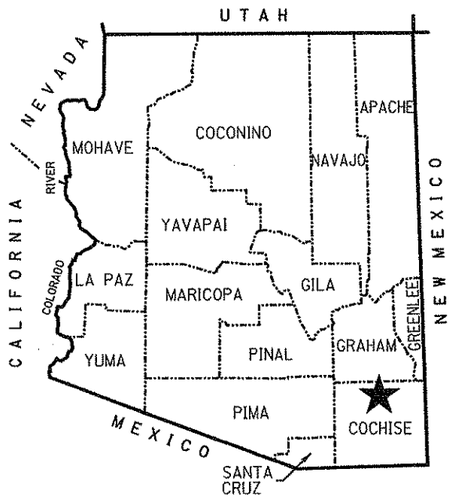
RESULTS OF SURVEY

DOUGLAS - WILLCOX HIGHWAY
JCT. SR 181 - JCT. I-10
191 CH 038 H6431 01R
U 191-A-704

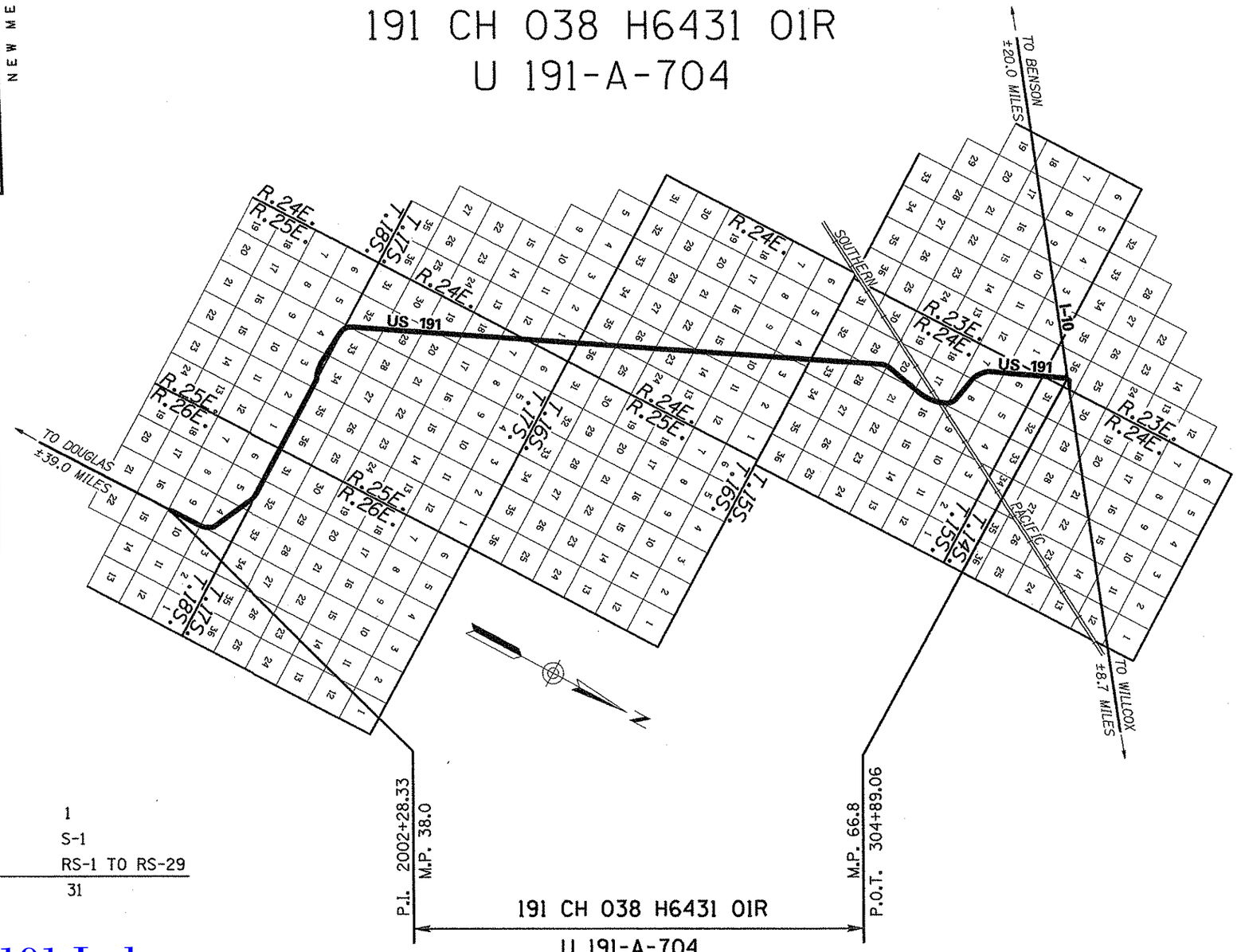
ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION

ADOT



★ PROJECT LOCATION

COUNTY NAME: COCHISE
LENGTH OF PROJECT: 29 MILES
ADOT DISTRICT: SAFFORD
DRAWING NUMBER: D-02-T-494



SHEET INDEX

COVER SHEET	1
STANDARD ABBREVIATION & SYMBOLS	S-1
RESULTS OF SURVEY	RS-1 TO RS-29
TOTAL SHEETS	31

Click here for US 191 Index

...\191-w038.cover

URS 7720 North 16th Street Suite 100 - Phoenix, AZ 85020 - 602.371.1100

REGISTERED PROFESSIONAL LAND SURVEYOR CERTIFICATE NUMBER 21080 ROBERT J. PECHA ARIZONA, U.S.A.

RIGHT OF WAY - STANDARD ABBREVIATIONS & SYMBOLS

A	
Acres	Ac.
Ahead	Ahd.
And Husband	et vir
And Others	et al
And Wife	et ux
Approximate	Approx.
Avenue	Ave.
B	
Back	Bk.
Book	Bk.
Boulevard	Blvd.
Brass Cap	B.C.
Bureau of Indian Affairs	B.I.A.
Bureau of Land Management	B.L.M.
Bureau of Reclamation	B.O.R.
C	
Calculated	(C)
Center	Ctr.
Centerline	℄
Construction	Constr.
Corner	Cor.
County	Co.
Curve Information	
Curve to Spiral	C.S.
Degree of Curve	D
Delta	Δ
Length of Curve	L
Point of Compound Curve	P.C.C.
Point of Curvature	P.C.
Point of Intersection	P.I.
Point of Reverse Curve	P.R.C.
Point of Reverse Spiral	P.R.S.
Point of Tangent	P.T.
Point on Curve	P.O.C.
Point on Tangent	P.O.T.
Point on Semi-Tangent	P.O.S.T.
Radius	R
Spiral rate of change	a
Spiral to Curve	S.C.
Spiral to Tangent	S.T.
Tangent Length	T
Tangent to Spiral	T.S.

D	
Degrees	°
Department	Dept.
Docket	Dkt.
Drainage Easement	DE
Drive	Dr.
E	
Easement	Esmt.
East	E.
Electrical	Elec.
Equation	Equa.
Existing	Exist.
F	
Federal	Fed.
Feet	'
Flowage Easement	FE
Found	Fd.
H	
Highway	Hwy.
Highway Easment Deed	HED
Homestead Entry Survey	HES
I	
Inch	in. or "
Irrigation	Irr.
J	
Junction	Jct.
L	
Lane	Ln.
Left	Lt.
Local Tangent Bearing	L.T.B.
M	
Measured	(M)
Mile Post	M.P.
Mineral Survey	M.S.
Minutes	'
Miscellaneous	Misc.
Monument	Mon.
N	
North	N.
Not to Scale	N.T.S.
Number	No.
P	
Page	Pg.

Parcel	Par.
Parkway	Pkwy.
Place	Pl.
Ponding Easement	PE
Public Utility Easement	PUE
Q	
Quit Claim Deed	Q.C.D.
R	
Railroad	R.R.
Range	R
Record	(R)
Right	Rt.
Right of Way	R/W
Road	Rd.
S	
Seconds	"
Section	Sec.
Sheet	Sht.
Slope Easement	SE
South	S.
Special Warranty Deed	S.W.D.
Square	Sq.
Square Feet	S.F.
State Route	S.R.
Station	Sta.
Street	St.
Subdivision	Subd.
T	
Telegraph	Tlg.
Telephone	Tel.
Township	T
Temporary	Temp.
Temporary Construction Easement	TCE
Traffic Interchange	T.I.
U	
United States General Land Office	U.S.G.L.O.
W	
West	W.
Warranty Deed	W.D.

Boundary Lines
- City Limit Line
- County Line
- Forest-City Limit Line
- Forest-Reservation Line
- State Boundary Line

Centerlines
- Exist. Centerline w/ticks
- Exist. Centerline wo/ticks
- New Constr. Centerline
- New Survey Centerline
- Railroad Centerline
- Centerline on Results of Survey

Control Lines
- Exist. Access Control Line
- New Access Control Line

Easement Lines
- Exist. Easement Line
- Exist. Drainage Easement Line
- New Perpetual Easement Line
- TCE Line

Misc. Lines
- Ditch-River Line
- Meander Line
- Mining Claim Line

Property Lines
- Lease Grant Boundary Line
- Lease Property Line
- Property Line
- Subdivision Property/Road Line
- Additional area to be acquired

Public Land Survey Lines
- Mid Section Line
- Section Line
- Sixteenth (1/16) Line
- Township-Range Line

R/W Lines
- Exist. ADOT R/W Line
- Exist. Non-ADOT R/W Line
- New R/W Line
- Railroad R/W Line
- Railroad-Highway R/W Line

Topographic Features
- Cut Slope Limit Line
- Exist. Fence Line
- Exist. Topo Line
- Fill Slope Limit Line
- New Fence Line

Break Line

Data Circle

Data Hex

Data Square

Dimension Arrow

Dimension Tie

Exist. R/W Monument

New R/W Monument

PC - PT Circle

Property Anchor Bar

Property-Lease & Unpatented Mining Claim Anchor Bar

Property Limit Arrow

Property-Lease & Unpatented Mining Claim Limit Arrow

Parcel Bubble (7-8858)

NGS Control Pt or Angle Point

North Arrow

31 | 32 / 6 | 5 — Found or Set Section Corner

4-3 — Found or Set Quarter Corner

(3) — Found or Set Center Quarter Corner

31 | 32 / 6 | 5 — Unfound Section Corner

4 / 9 — Unfound Quarter Corner

(3) — Unfound Center Quarter Corner

MP 115 — Mile Post Marker

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CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-02-T-494
SURVEY	SEP/OCT 2003
DRAWN/DATE	IK / Feb. 04
ADOT REVIEW	F. BAKER

URS — 7720 North 16th Street, Suite 100 - Phoenix, AZ 85020 - 602.371.1100

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: DOUGLAS - WILLCOX

FEDERAL IDENTIFICATION NO.: U 191-A-704

TRACS NO. 191 CH 038 H6431 01R

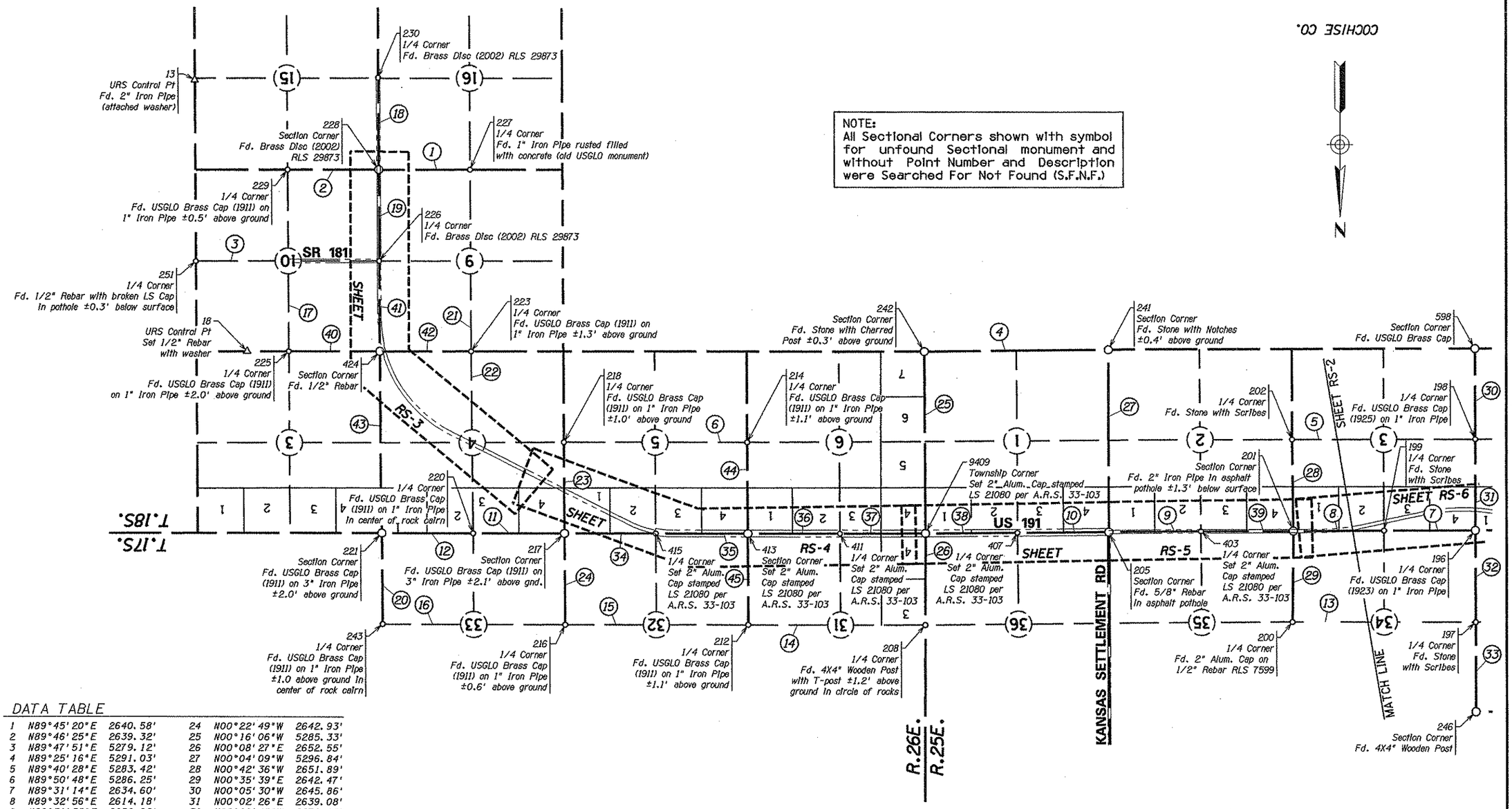
ROUTE NO.: US-191

SECTION NAME: Jct. SR 181 - Jct. I-10

REGISTERED LAND SURVEYOR — CERTIFICATE NO. 21080 — ROBERT J. PECHA — ARIZONA, U.S.A.

SHEET S-1

...\191rv038.standards



DATA TABLE

1	N89°45'20"E	2640.58'	24	N00°22'49"W	2642.93'
2	N89°46'25"E	2639.32'	25	N00°16'06"W	5285.33'
3	N89°47'51"E	5279.12'	26	N00°08'27"E	2652.55'
4	N89°25'16"E	5291.03'	27	N00°04'09"W	5296.84'
5	N89°40'28"E	5283.42'	28	N00°42'36"W	2651.89'
6	N89°50'48"E	5286.25'	29	N00°35'39"E	2642.47'
7	N89°31'14"E	2634.60'	30	N00°05'30"W	2645.86'
8	N89°32'56"E	2614.18'	31	N00°02'26"E	2639.08'
9	N89°31'58"E	2656.92'	32	N00°09'48"W	2672.12'
10	N89°32'41"E	2636.29'	33	N00°01'59"W	2602.20'
11	N89°49'19"E	2620.84'	34	N89°50'49"E	2645.37'
12	N89°57'06"E	2637.74'	35	N89°50'49"E	2645.37'
13	N89°51'39"E	5283.65'	36	N89°50'49"E	2645.37'
14	N89°57'03"E	5106.22'	37	N89°50'49"E	2475.41'
15	N89°51'02"E	5281.24'	38	N89°32'41"E	2636.29'
16	N89°57'15"E	5260.41'	39	N89°31'58"E	2656.92'
17	N00°15'42"W	5286.24'	40	N89°47'49"E	2638.53'
18	N00°15'55"W	2643.90'	41	N00°16'25"W	2643.11'
19	N00°13'58"W	2644.20'	42	N89°44'51"E	2637.48'
20	N00°20'28"W	2636.76'	43	N00°29'42"W	5274.40'
21	N00°13'11"W	5286.94'	44	N00°19'23"W	2644.46'
22	N00°29'50"W	5283.80'	45	N00°10'27"W	2643.25'
23	N00°13'32"W	2644.42'			

Click here for US 191 Index

LEGEND

302 Set Monument
300 Found Monument
301 Calculated position
Existing R/W monument

RESULTS OF SURVEY

0 750 1500
Scale

...\191rw038.survey01

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-02-T-494
SURVEY	SEP/OCT 2003
DRAWN/DATE	IK / Feb. 04
ADOT REVIEW	F. BAKER

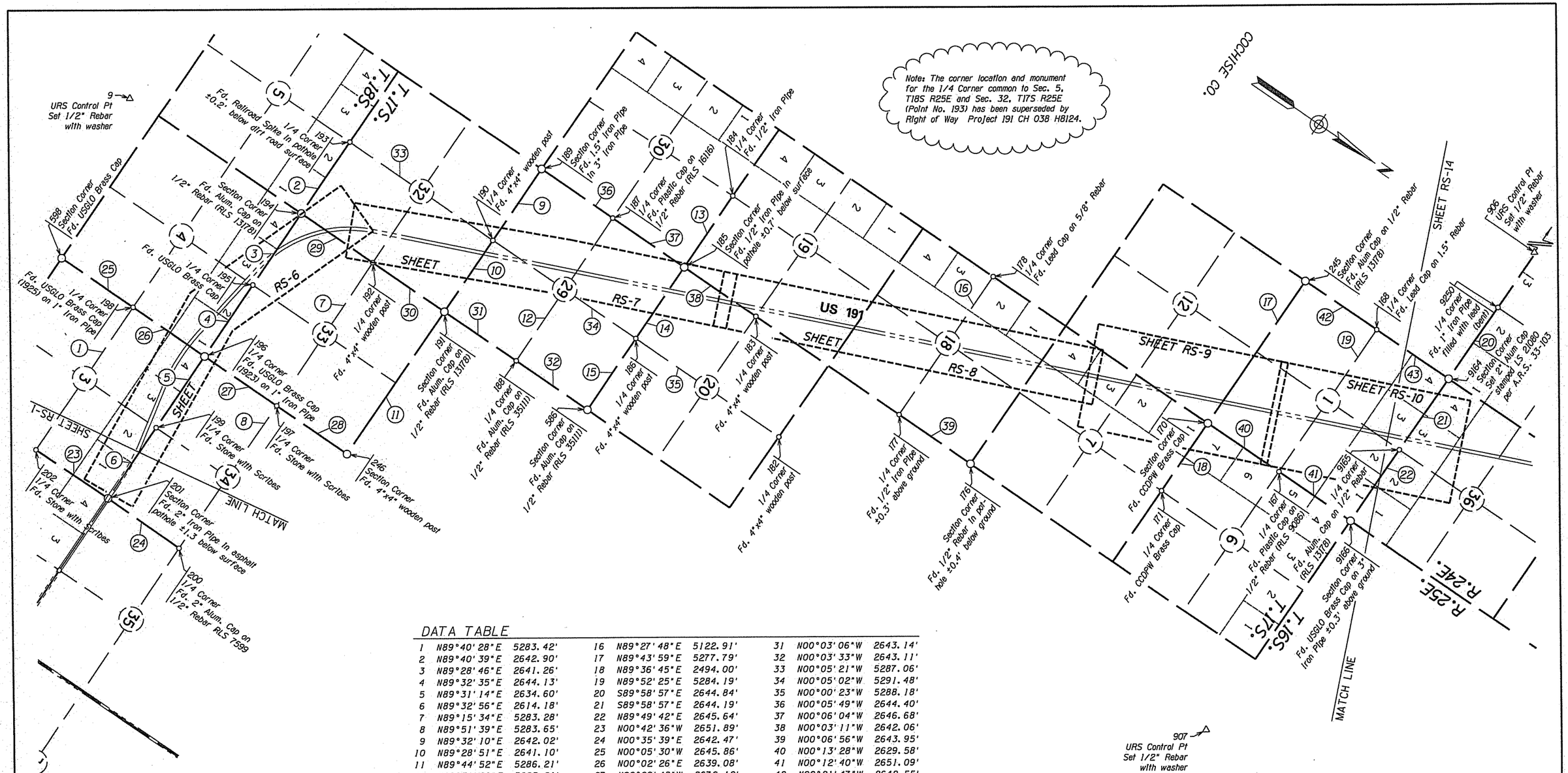
URS 7720 North 16th Street Suite 100 - Phoenix, AZ 85020 - 602.371.1100

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: DOUGLAS - WILLCOX
FEDERAL IDENTIFICATION NO.: U 191-A-704
TRACS NO. 191 CH 038 H6431 01R

REGISTERED LAND SURVEYOR 21080 ROBERT J. PECHA ARIZONA, U.S.A.

ROUTE NO.: US-191
SECTION NAME: Jct. SR 181 - Jct. I-10
SHEET RS-1



DATA TABLE

1	N89°40'28"E	5283.42'	16	N89°27'48"E	5122.91'	31	N00°03'06"W	2643.14'
2	N89°40'39"E	2642.90'	17	N89°43'59"E	5277.79'	32	N00°03'33"W	2643.11'
3	N89°28'46"E	2641.26'	18	N89°36'45"E	2494.00'	33	N00°05'21"W	5287.06'
4	N89°32'35"E	2644.13'	19	N89°52'25"E	5284.19'	34	N00°05'02"W	5291.48'
5	N89°31'14"E	2634.60'	20	S89°58'57"E	2644.84'	35	N00°00'23"W	5288.18'
6	N89°32'56"E	2614.18'	21	S89°58'57"E	2644.19'	36	N00°05'49"W	2644.40'
7	N89°15'34"E	5283.28'	22	N89°49'42"E	2645.64'	37	N00°06'04"W	2646.68'
8	N89°51'39"E	5283.65'	23	N00°42'36"W	2651.89'	38	N00°03'11"W	2642.06'
9	N89°32'10"E	2642.02'	24	N00°35'39"E	2642.47'	39	N00°06'56"W	2643.95'
10	N89°28'51"E	2641.10'	25	N00°05'30"W	2645.86'	40	N00°13'28"W	2629.58'
11	N89°44'52"E	5286.21'	26	N00°02'26"E	2639.08'	41	N00°12'40"W	2651.09'
12	N89°31'20"E	5285.21'	27	N00°09'48"W	2672.12'	42	N00°21'47"W	2642.55'
13	N89°29'49"E	2642.35'	28	N00°01'59"W	2602.20'	43	N00°19'57"W	2655.63'
14	N89°31'39"E	2643.43'	29	N00°06'50"W	2648.89'			
15	N89°35'41"E	2643.69'	30	N00°06'16"W	2647.23'			

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NOTE:
All Sectional Corners shown with symbol for unfound Sectional monument and without Point Number and Description were Searched For Not Found (S.F.N.F.)

LEGEND

302 Set Monument
300 Found Monument
301 Calculated position
Existing R/W monument

RESULTS OF SURVEY

0 750 1500
Scale

...\cadd\ROS\191rw038.survey02

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS
N/A	12/16/13	URS	Added 'cloud' note for Pt. No. 193

DRAWING NO.	D-02-T-494
SURVEY	SEP/OCT 2003
DRAWN/DATE	IK / Feb. 04
ADOT REVIEW	F. BAKER
URS	7720 North 16th Street Suite 100 - Phoenix, AZ 85020 - 602.371.1100
ROUTE NO.:	US-191
SECTION NAME:	Jct. SR 181 - Jct. I-10

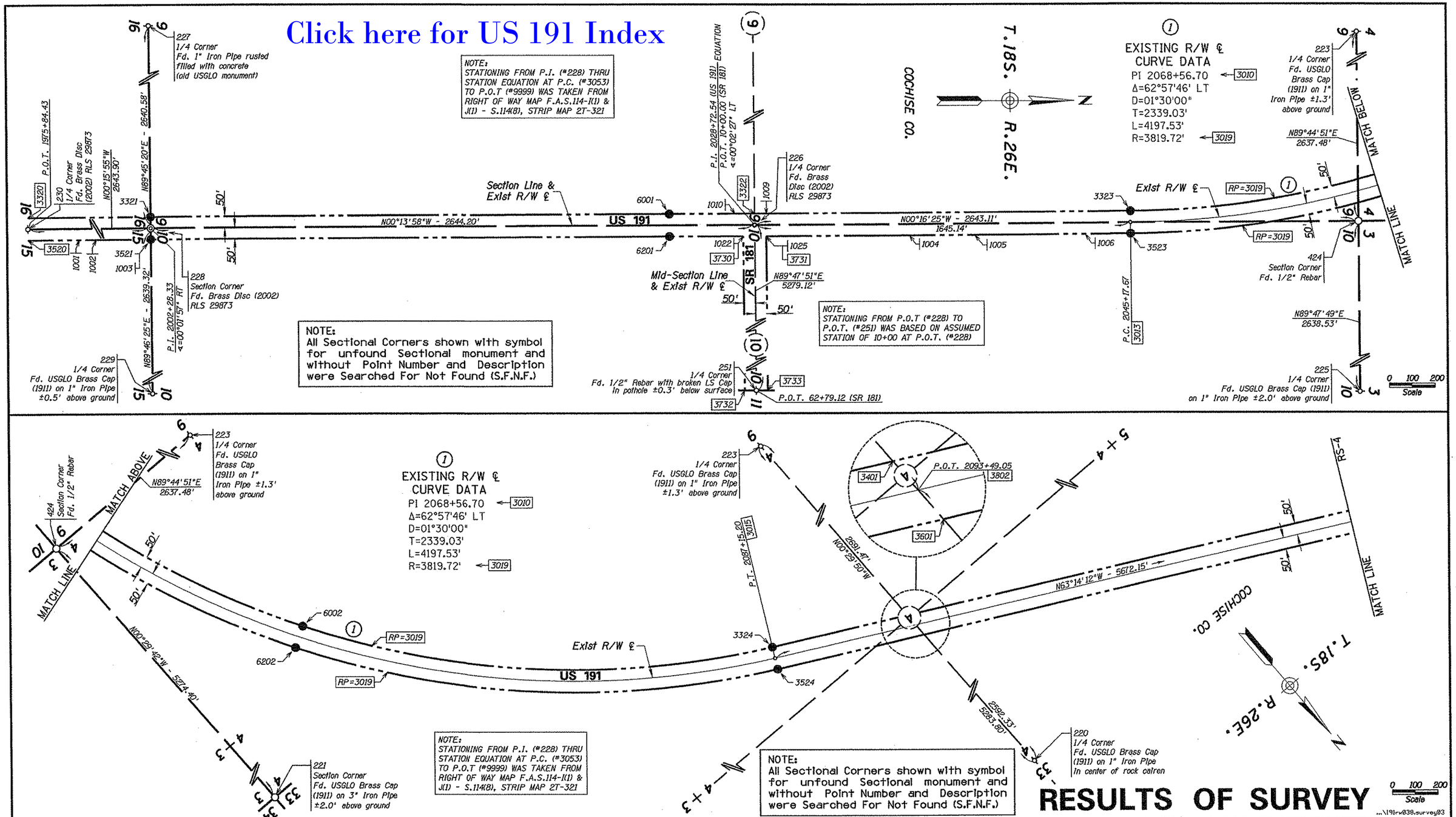
ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: DOUGLAS - WILLCOX
FEDERAL IDENTIFICATION NO.: U 191-A-704
TRACS NO. 191 CH 038 H6431 01R

REGISTERED LAND SURVEYOR 21080 ROBERT J. PECHA ARIZONA, U.S.A.

SHEET RS-2

Click here for US 191 Index



RESULTS OF SURVEY

...\191rw038.survey03

NOTE: SHEETS FROM RS-3 TO RS-10 ARE BASED ON A GRID FACTOR OF 1.0002893 (T18S R26E, T17S R26E, T18S R25E, T17S R25E, T17S R24E)

LEGEND

- 302 Set Monument
- 300 Found Monument
- New R/W monument
- 301 Calculated position
- Existing R/W monument
- Secondary Control monument

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-02-T-494
SURVEY	SEP/OCT 2003
DRAWN/DATE	IK / Feb. 04
ADOT REVIEW	F. BAKER
URS	7720 North 16th Street Suite 100 - Phoenix, AZ 85020 - 602.371.1100
ROUTE NO.:	US-191
SECTION NAME:	Jct. SR 181 - Jct. I-10

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

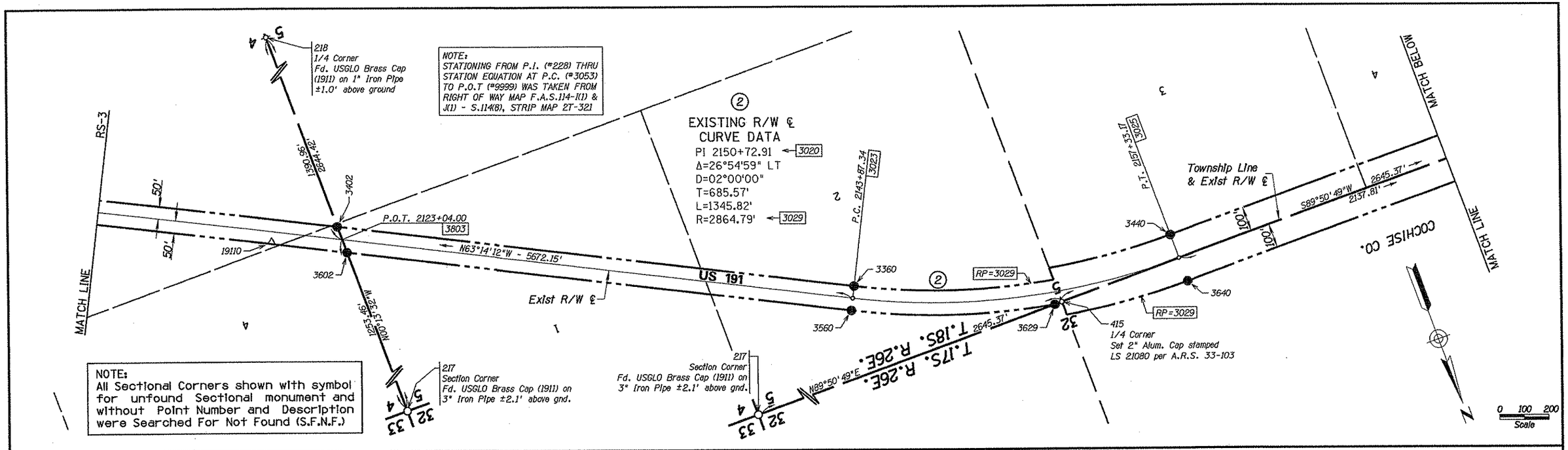
HIGHWAY NAME: DOUGLAS - WILLCOX

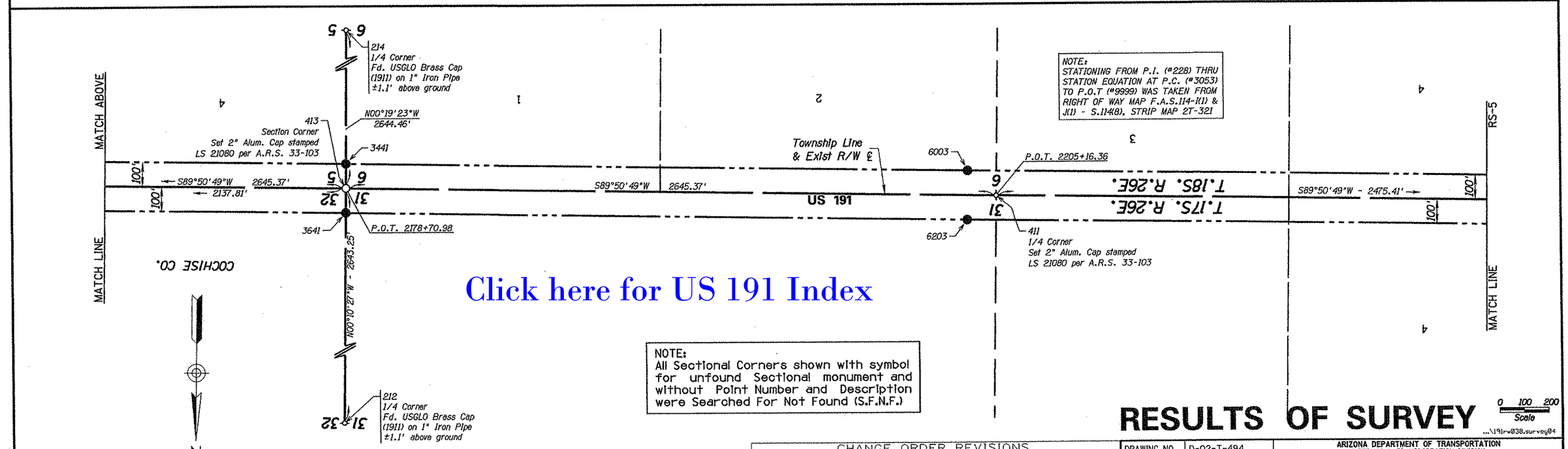
FEDERAL IDENTIFICATION NO.: U 191-A-704

TRACS NO. 191 CH 038 H6431 01R

REGISTERED LAND SURVEYOR CERTIFICATE NO. 21080 ROBERT J. PECHA ARIZONA U.S.A.

SHEET RS-3





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RESULTS OF SURVEY

...\191r-038.survey04

NOTE: SHEETS FROM RS-3 TO RS-10 ARE BASED ON A GRID FACTOR OF 1.0002893 (T18S R26E, T17S R26E, T18S R25E, T17S R25E, T17S R24E)

LEGEND

- 302 Set Monument
- 300 Found Monument
- New R/W monument
- 301 Calculated position
- Existing R/W monument
- Secondary Control monument

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-02-T-494
SURVEY	SEP/OCT 2003
DRAWN/DATE	IK / Feb. 04
ADOT REVIEW	F. BAKER

URS 7720 North 16th Street Suite 100 - Phoenix, AZ 85020 - 602.371.1100

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: DOUGLAS - WILLCOX

FEDERAL IDENTIFICATION NO.: U 191-A-704

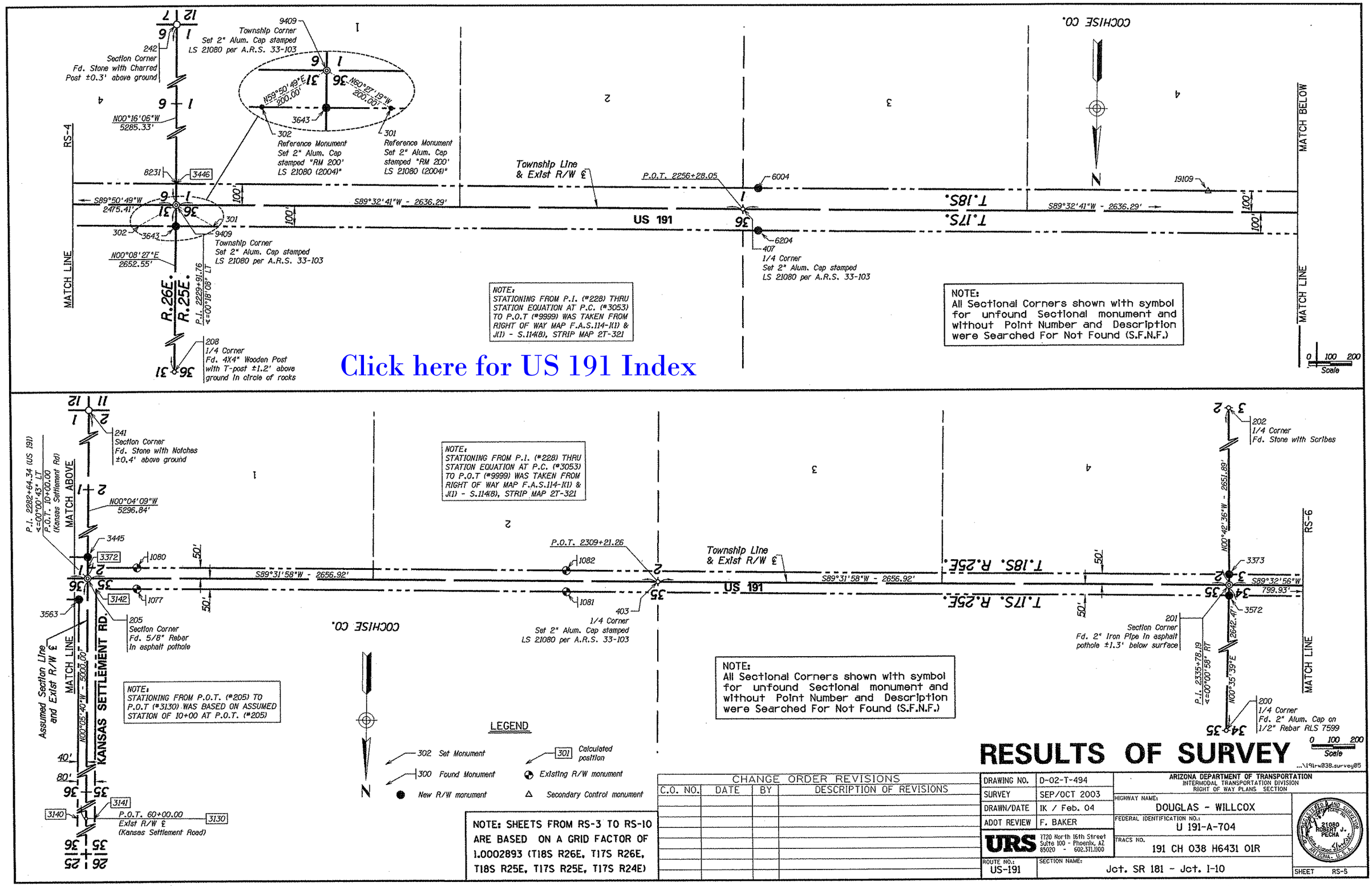
TRACS NO. 191 CH 038 H6431 01R

ROUTE NO.: US-191

SECTION NAME: Jct. SR 181 - Jct. I-10

REGISTERED LAND SURVEYOR CERTIFICATE NO. 21080 ROBERT J. PECHA ARIZONA, U.S.A.

SHEET RS-4



RESULTS OF SURVEY

...\191rw038.survey05

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-02-T-494
SURVEY	SEP/OCT 2003
DRAWN/DATE	IK / Feb. 04
ADOT REVIEW	F. BAKER

URS 7720 North 16th Street Suite 100 - Phoenix, AZ 85020 - 602.371.1100

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: DOUGLAS - WILLCOX

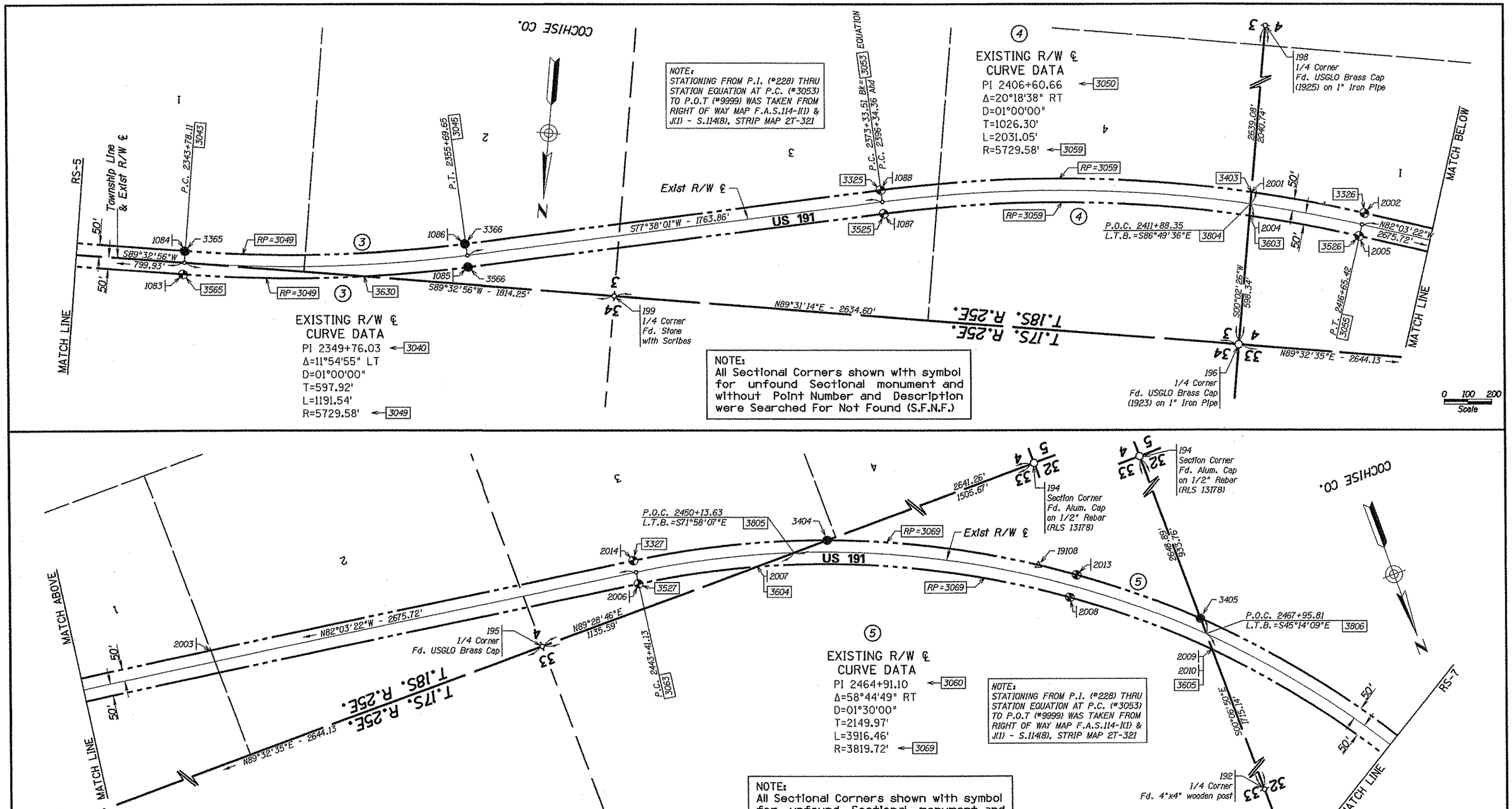
FEDERAL IDENTIFICATION NO.: U 191-A-704

TRACS NO. 191 CH 038 H6431 01R

ROUTE NO.: US-191

SECTION NAME: Jct. SR 181 - Jct. I-10

SHEET RS-5



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RESULTS OF SURVEY

...\191rw038.survey06

NOTE: SHEETS FROM RS-3 TO RS-10 ARE BASED ON A GRID FACTOR OF 1.0002893 (T18S R26E, T17S R26E, T18S R25E, T17S R25E, T17S R24E)

LEGEND

- 302 Set Monument
- 300 Found Monument
- New R/W monument
- 301 Calculated position
- Existing R/W monument
- Secondary Control monument

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

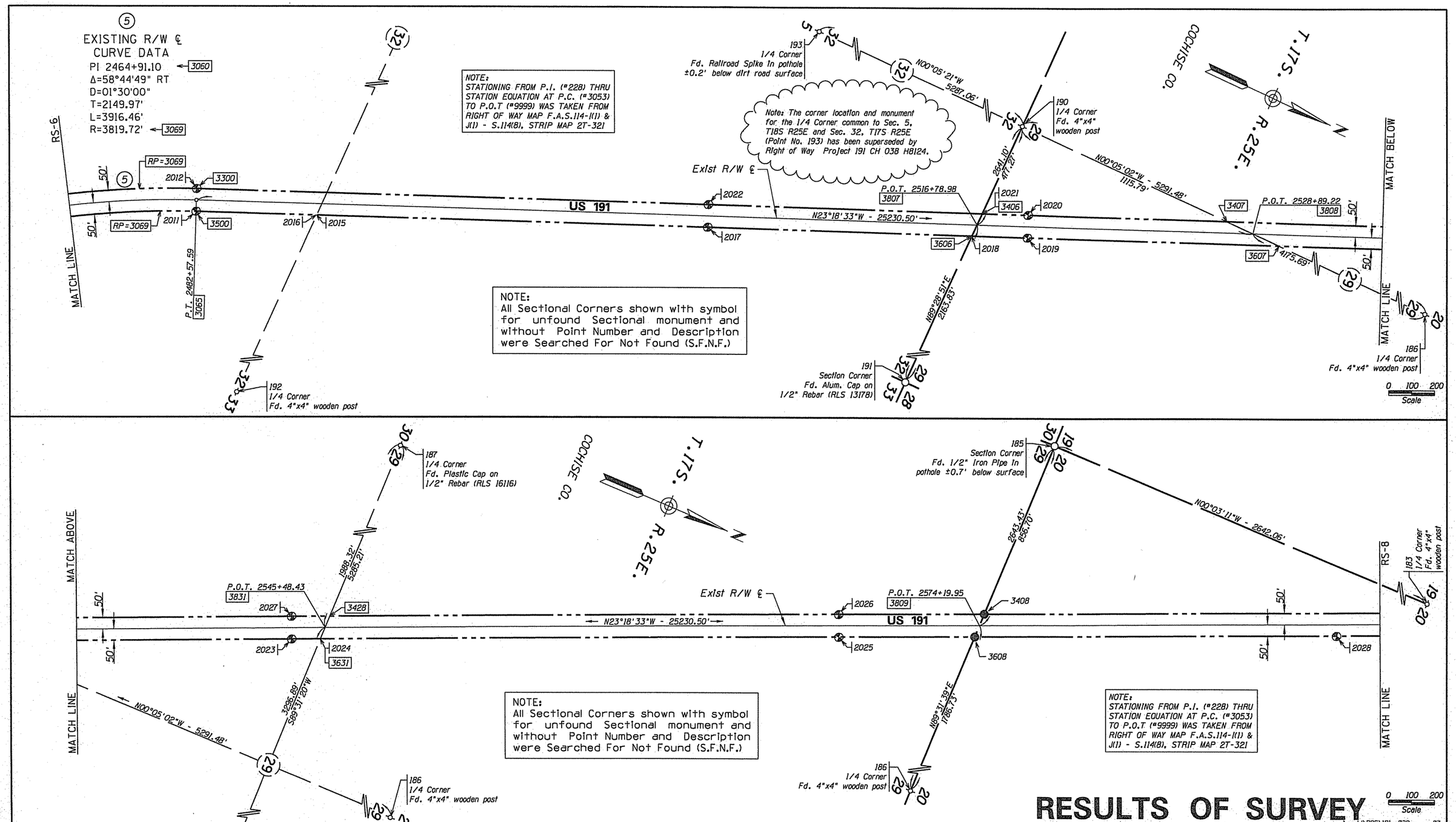
DRAWING NO.	D-02-T-494
SURVEY	SEP/OCT 2003
DRAWN/DATE	IK / Feb. 04
ADOT REVIEW	F. BAKER
URS	7720 North 16th Street Suite 100 - Phoenix, AZ 85020 - 602.371.1100
ROUTE NO.: US-191	SECTION NAME: Jct. SR 181 - Jct. I-10

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: DOUGLAS - WILLCOX
FEDERAL IDENTIFICATION NO.: U 191-A-704
TRACS NO. 191 CH 038 H6431 01R

REGISTERED LAND SURVEYOR 21080 ROBERT J. PECHA ARIZONA, U.S.A.

SHEET RS-6



RESULTS OF SURVEY

...Acad\ROS\191rw038.survey07

NOTE: SHEETS FROM RS-3 TO RS-10 ARE BASED ON A GRID FACTOR OF 1.0002893 (T18S R26E, T17S R26E, T18S R25E, T17S R25E, T17S R24E)

LEGEND

- 302 Set Monument
- 300 Found Monument
- New R/W monument
- 301 Calculated position
- Existing R/W monument
- Secondary Control monument

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS
N/A	12/16/13	URS	Added 'cloud' note for Pt. No. 193

DRAWING NO.	D-02-T-494
SURVEY	SEP/OCT 2003
DRAWN/DATE	IK / Feb. 04
ADOT REVIEW	F. BAKER

URS 7720 North 16th Street Suite 100 - Phoenix, AZ 85020 - 602.371.1100

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: DOUGLAS - WILLCOX

FEDERAL IDENTIFICATION NO.: U 191-A-704

TRACS NO. 191 CH 038 H6431 01R

ROUTE NO.: US-191

SECTION NAME: Jct. SR 181 - Jct. I-10

REGISTERED LAND SURVEYOR CERTIFICATE NO. 21080 ROBERT J. PECHA Date Signed 12/16/13 ARIZONA, U.S.A.

SHEET RS-7

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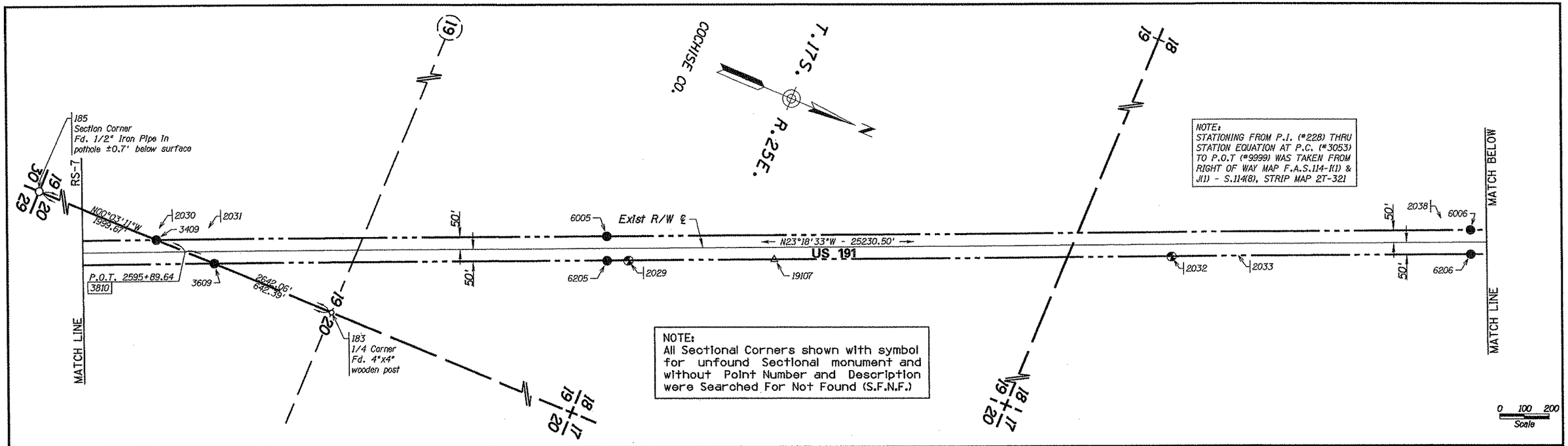

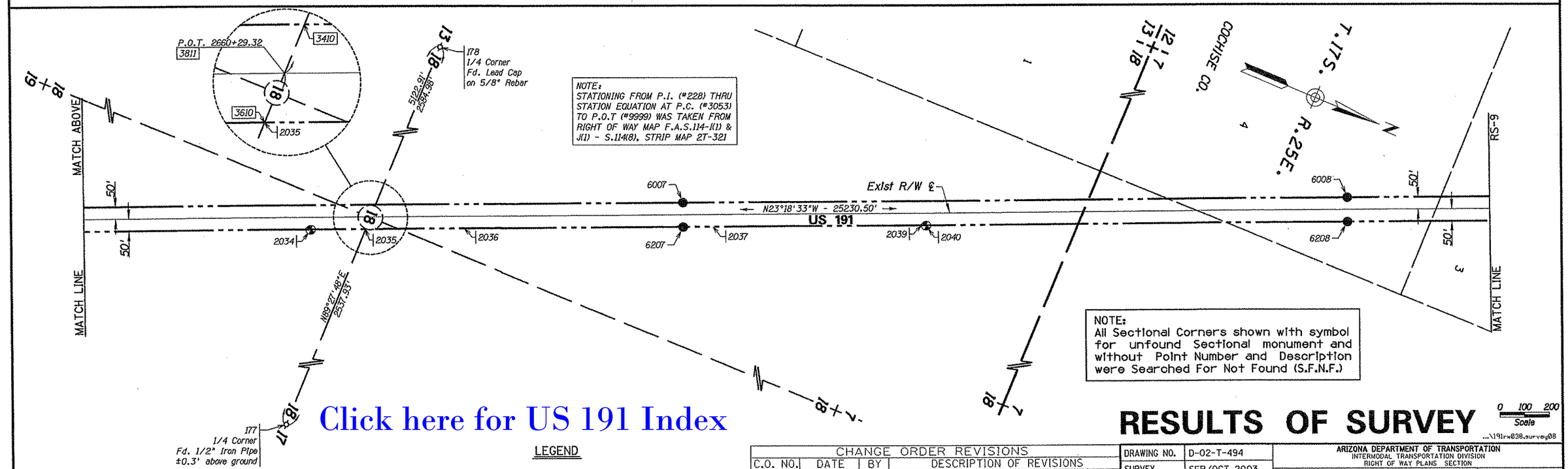

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NOTE: SHEETS FROM RS-3 TO RS-10 ARE BASED ON A GRID FACTOR OF 1.0002893 (T18S R26E, T17S R26E, T18S R25E, T17S R25E, T17S R24E)

LEGEND

- 302 Set Monument
- 300 Found Monument
- New R/W monument
- 301 Calculated position
- Existing R/W monument
- Secondary Control monument

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

RESULTS OF SURVEY

0 100 200 Scale

...\191rw038.survey08

DRAWING NO.	D-02-T-494
SURVEY	SEP/OCT 2003
DRAWN/DATE	IK / Feb. 04
ADOT REVIEW	F. BAKER

URS 7720 North 16th Street Suite 100 - Phoenix, AZ 85020 - 602.371.1100

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: DOUGLAS - WILLCOX

FEDERAL IDENTIFICATION NO.: U 191-A-704

TRACS NO. 191 CH 038 H6431 01R

ROUTE NO.: US-191

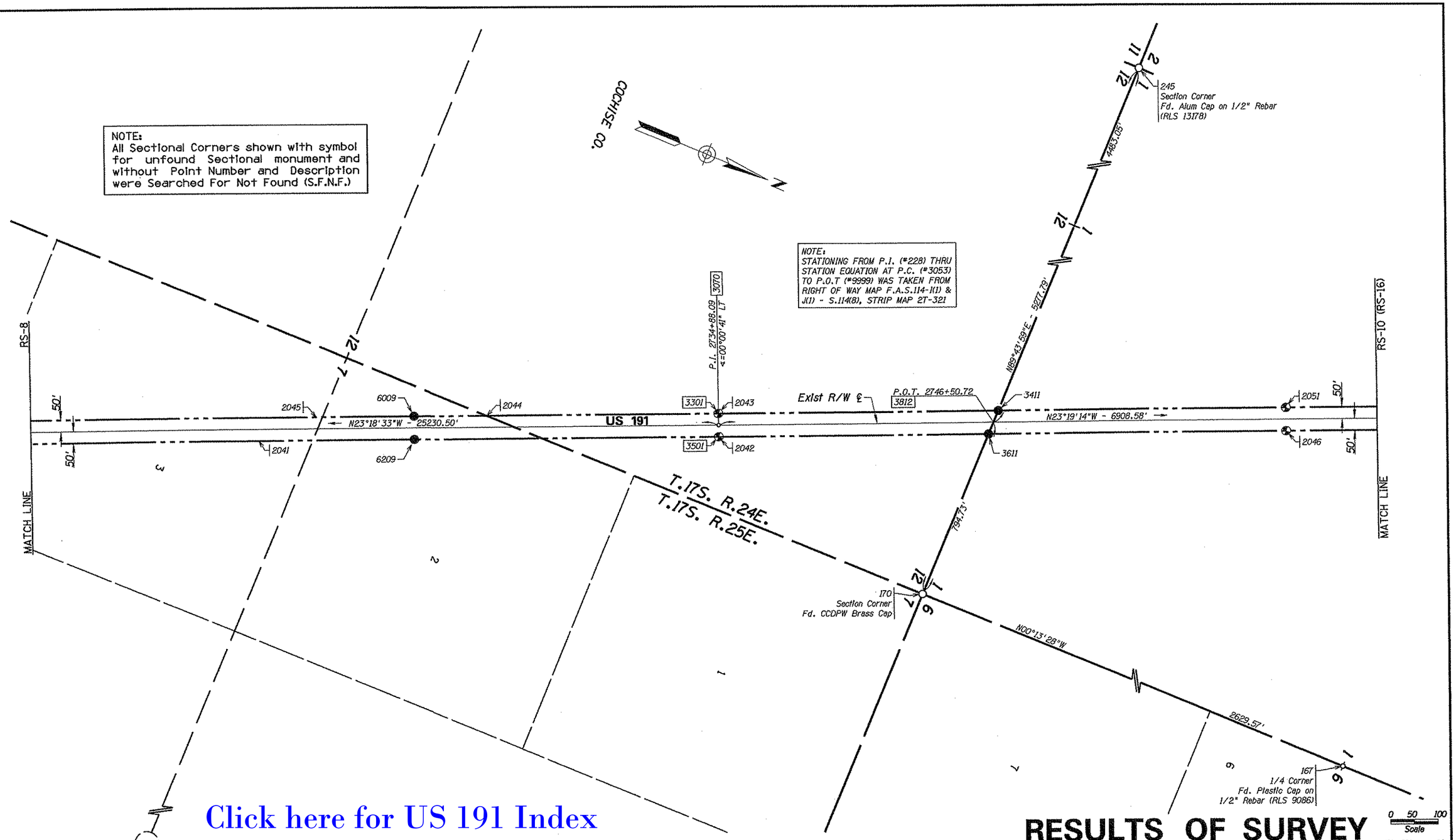
SECTION NAME: Jct. SR 181 - Jct. I-10

REGISTERED LAND SURVEYOR 21080 ROBERT J. PECHA ARIZONA, U.S.A.

SHEET RS-8

NOTE:
All Sectional Corners shown with symbol for unfound Sectional monument and without Point Number and Description were Searched For Not Found (S.F.N.F.)

NOTE:
STATIONING FROM P.I. (#228) THRU STATION EQUATION AT P.C. (#3053) TO P.O.T (#9999) WAS TAKEN FROM RIGHT OF WAY MAP F.A.S.114-1(1) & J(1) - S.114(8), STRIP MAP 2T-321



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RESULTS OF SURVEY

...\191rw038.survey09

NOTE: SHEETS FROM RS-3 TO RS-10 ARE BASED ON A GRID FACTOR OF 1.0002893 (T18S R26E, T17S R26E, T18S R25E, T17S R25E, T17S R24E)

LEGEND

- 302 Set Monument
- 300 Found Monument
- New R/W monument
- 301 Calculated position
- Existing R/W monument
- Secondary Control monument

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-02-T-494
SURVEY	SEP/OCT 2003
DRAWN/DATE	IK / Feb. 04
ADOT REVIEW	F. BAKER
URS	7720 North 16th Street Suite 100 - Phoenix, AZ 85020 - 602.371.1100
ROUTE NO.: US-191	SECTION NAME: Jct. SR 181 - Jct. I-10

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: DOUGLAS - WILLCOX
FEDERAL IDENTIFICATION NO.: U 191-A-704
TRACS NO. 191 CH 038 H6431 01R

REGISTERED LAND SURVEYOR 21080 ROBERT J. PECHA Date Expires 3-31-05 ARIZONA, U.S.A.

SHEET RS-9

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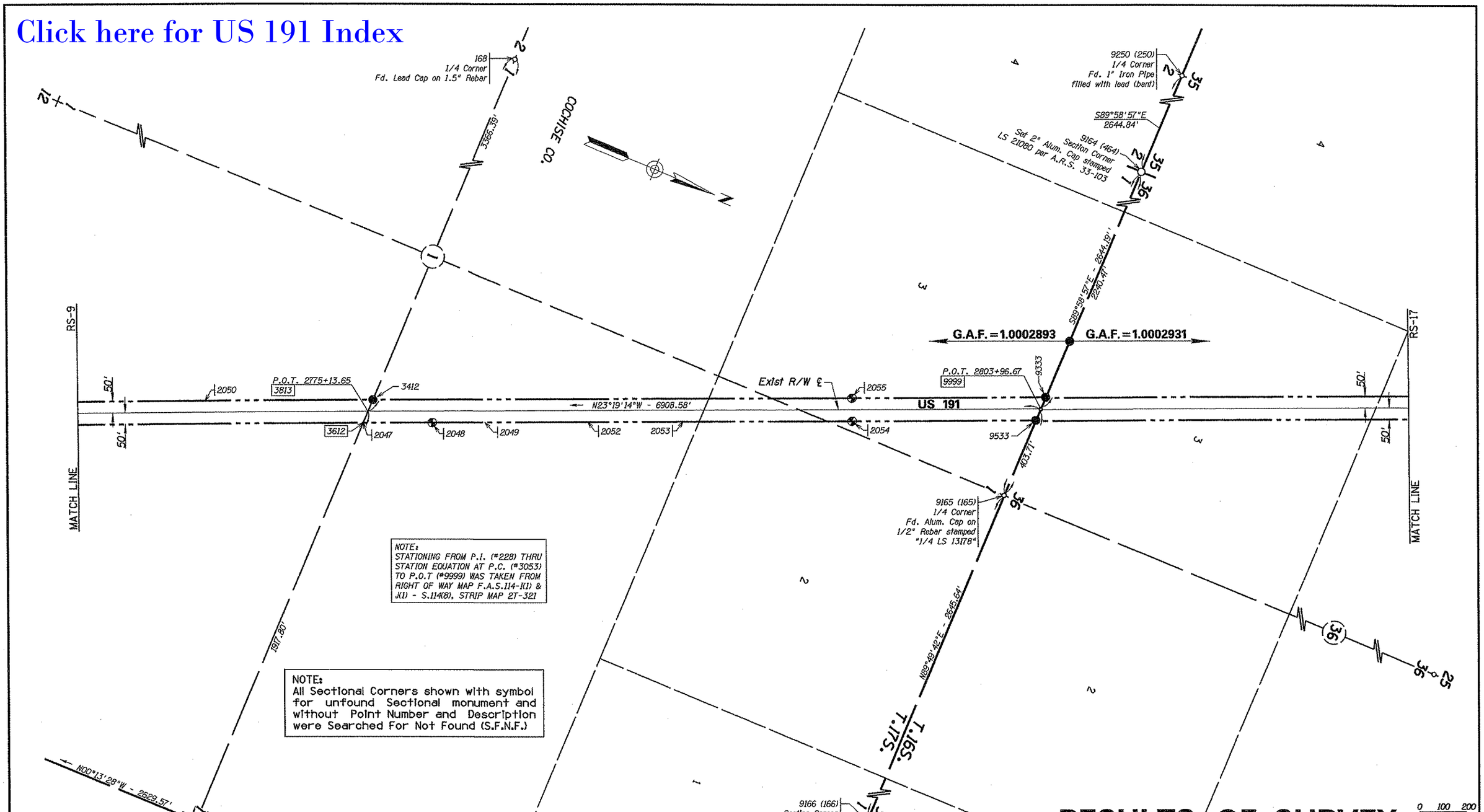

NOTE:
STATIONING FROM P.I. (#228) THRU STATION EQUATION AT P.C. (#3053) TO P.O.T (#9999) WAS TAKEN FROM RIGHT OF WAY MAP F.A.S.114-I(1) & J(1) - S.114(8), STRIP MAP 2T-321

NOTE:
All Sectional Corners shown with symbol for unfound Sectional monument and without Point Number and Description were Searched For Not Found (S.F.N.F.)

NOTE: SHEETS FROM RS-3 TO RS-10 ARE BASED ON A GRID FACTOR OF 1.0002893 (T18S R26E, T17S R26E, T18S R25E, T17S R25E, T17S R24E)

LEGEND

- 302 Set Monument
- 300 Found Monument
- New R/W monument
- 301 Calculated position
- Existing R/W monument
- Secondary Control monument

RESULTS OF SURVEY

0 100 200
Scale

..\191rw038.survey10

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-02-T-494
SURVEY	SEP/OCT 2003
DRAWN/DATE	IK / Feb. 04
ADOT REVIEW	F. BAKER

URS 7720 North 16th Street Suite 100 - Phoenix, AZ 85020 - 602.371.1100

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: DOUGLAS - WILLCOX

FEDERAL IDENTIFICATION NO.: U 191-A-704

TRACS NO. 191 CH 038 H6431 01R

ROUTE NO.: US-191

SECTION NAME: Jct. SR 181 - Jct. I-10

SHEET RS-10

GENERAL NOTES

THIS RESULTS OF SURVEY WAS PREPARED IN PART FROM THE FIELD SURVEY PERFORMED BY URS CORPORATION DURING THE MONTHS OF SEPTEMBER 2003 THRU MARCH OF 2004. THE PURPOSE OF THE FIELD SURVEY WAS TO LOCATE AVAILABLE SECTION AND ONE-QUARTER CORNERS, CONTROL POINTS AND RIGHT OF WAY MONUMENTS NECESSARY TO ESTABLISH THE EXISTING R/W CORRIDOR OF US 191 FROM JUNCTION OF I-10 TO THE JUNCTION OF SR 181.

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

SYSTEM: UNITED STATES STATE PLANE 1983 (1992)
ZONE: ARIZONA EAST 0201
DATUM: NORTH AMERICAN 1983 (CONUS) EQUIVALENT TO WGS-84
GEOID MODEL: GEOID99 (CONTINENTAL US)

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

THE FOLLOWING THREE NGS STATIONS WERE USED TO ESTABLISH THE CONTROL BASELINE FOR THIS SURVEY:

CY0518 (EXIT 3) NAD 83(1992) 32 21 32.89998(N) 109 40 53.68444(W)
Grid Coordinates East Zone (meters) N 150,791.375 E 259,013.556
Grid Coordinates East Zone (feet) N 494,722.35892 E 849,782.00787

CG0849 (M 430) NAD 83(1992) 31 58 40.27343(N) 110 13 34.43653(W)
Grid Coordinates East Zone (meters) N 108,413.093 E 207,730.660
Grid Coordinates East Zone (feet) N 355,686.00066 E 681,531.03675

CF0379 (KANSAS) NAD 83(1992) 31 54 20.31156(N) 109 45 10.50717(W)
Grid Coordinates East Zone (meters) N 100,479.778 E 252,492.573
Grid Coordinates East Zone (feet) N 329,658.06430 E 828,387.70669

TO DENSIFY HORIZONTAL CONTROL, AN ADDITIONAL SIX CONTROL POINTS WERE SET BY URS WITHIN THE LIMITS OF THIS PROJECT USING STATIC GPS METHODS.

FOR PURPOSES OF THIS PROJECT THE LEICA 500 GPS SYSTEM DUAL FREQUENCY GPS RECEIVERS WERE UTILIZED FOR ALL FIELD SURVEY MEASUREMENTS.

DIRECT SATELLITE OBSERVATIONS 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 LEICA SKIPRO GPS SURVEY SOFTWARE. A GRID ADJUSTMENT FACTOR OF 1.0002893 AND SCALE ORIGIN VALUES OF N 0.000, E 0.000 WERE USED FOR THE TRANSLATION TO THE SURFACE. THE GRID ADJUSTMENT FACTOR WAS PROVIDED BY ADOT.

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

MONUMENT VERIFICATION AND ACCEPTANCE:

THE MONUMENTATION SHOWN ON THIS "RESULTS OF SURVEY" WAS BASED ON AN OBSERVATION AND EVALUATION OF PHYSICAL CORRABORATING EVIDENCE IN THE FIELD; AND A REVIEW AND ANALYSIS OF EXISTING DRAWINGS, PLATS, AND NOTES READILY AVAILABLE AT THE TIME 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.

URS CONTROL POINTS

PT	NORTHING	EASTING	DESCRIPTION
9	323250.53330	809812.85447	URS CONTROL POINT "URS RTK 9"
10	340610.32437	825608.15338	URS CONTROL POINT "URS RTK 10"
13	316626.96706	851894.42213	URS CONTROL POINT "URS RTK 13"
18	324498.91764	850411.05939	URS CONTROL POINT "URS RTK 18"
906	361148.95017	786058.22736	URS CONTROL POINT "URS RTK 6"
907	361211.20571	807031.21107	URS CONTROL POINT "URS RTK 7"
9911	494865.48210	850027.84981	NGS BM "EXIT 3 1974"
9912	355788.90062	681728.20367	NGS BM "M 430 1979"
9913	329753.43438	828627.35926	NGS BM "KANSAS 1982"

PUBLIC INFORMATION USED

COCHISE COUNTY RECORDER'S OFFICE

SEC.	TWP.	RNG.	BOOK	PAGE	NAME
10	18S.	26E.	1	27C	MAP OF SURVEY
4	18S.	25E.	19	48	SURVEY
36	16S.	24E.	10	22	RECORD OF LAND SURVEY
36	16S.	24E.	10	22A	RECORD OF LAND SURVEY

ADOT RIGHT-OF-WAY PLANS

PROJECT #	DRAWING #	ADOT TRACS #	NAME
F.A. 114-G	2-T-244	----	DOUGLAS-SAFFORD HWY (1939)
F.A.S.114-I(1)	2-T-321	----	DOUGLAS-SAFFORD HWY (1942)
& J(1)-S.114(8)			
----------	2-T-346	----	STATE HIGHWAY 181 (1953)

G.L.O. & B.L.M. PLATS

PLAT #	NAME	DATE
2300	T.18S. R.26E. G. & S.R.M.	01-28-1913
2308	T.18S. R.25E. G. & S.R.M.	02-01-1900
2250	T.17S. R.26E. G. & S.R.M.	06-13-1915
2243	T.17S. R.25E. G. & S.R.M.	04-17-1899
2247	T.17S. R.24E. G. & S.R.M.	08-18-1902

G.L.O. & B.L.M. FIELD NOTES

BOOK	PAGES
2327	1-2
2328	19-33
1575	10-16
942	6,29-36,45-48,60-64
943	76-79
3771	4-8
2660	7,18,22-23
849	125-151
847	4-16,22-37
854	30-41

EXISTING R/W LINE

BASED ON EXISTING SR 181 R/W ℄

LEFT SIDE PT	LEFT SIDE STATION	LEFT SIDE OFFSET	RIGHT SIDE PT	RIGHT SIDE STATION	RIGHT SIDE OFFSET
3731	POT 10+49.94	50.00' LT	3730	POT 10+50.03	50.00' RT
3733	POT 62+79.12	50.00' LT	3732	POT 62+79.12	50.00' RT

BASED ON EXISTING KANSAS SETTLEMENT RD. R/W ℄

LEFT SIDE PT	LEFT SIDE STATION	LEFT SIDE OFFSET	RIGHT SIDE PT	RIGHT SIDE STATION	RIGHT SIDE OFFSET
3142	POT 10+49.74	40.00' LT	3563	POT 11+00.25	40.00' RT
3141	POT 60+00.00	40.00' LT	3140	POT 60+00.00	40.00' RT

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EXISTING R/W LINE

THE FOLLOWING LIST OF POINTS REPRESENTS THE EXISTING RIGHT OF WAY LINE AS DETERMINED BY AN ANALYSIS OF MONUMENTATION FOUND DURING THE COURSE OF THIS SURVEY AND FOLLOWING EXISTING DOCUMENTATION:
1) R/W PROJECTS STRIP MAPS: 2-T-244, 2-T-321, 2-T-346
2) THE MOST CURRENT B.L.M. MAPS AND NOTES

BASED ON EXISTING US 191 R/W ℄

LEFT SIDE PT	LEFT SIDE STATION	LEFT SIDE OFFSET	RIGHT SIDE PT	RIGHT SIDE STATION	RIGHT SIDE OFFSET
3320	POT 1975+84.43	50.00' LT	3520	POT 1975+84.43	50.00' RT
3321	POT 2002+28.32	50.00' LT	3521	POT 2002+28.30	50.00' RT
3322	POT 2028+72.55	50.00' LT	3570	POT 2002+28.30	50.00' RT
3323	PC 2045+17.67	50.00' LT	3730	POT 2028+22.51	50.00' RT
3019	Radius Pt	---------	3731	POT 2029+22.47	50.00' RT
3324	PT 2087+15.20	50.00' LT	3523	PC 2045+17.67	50.00' RT
3401	POT 2093+23.29	50.00' LT	3019	Radius Pt	---------
3402	POT 2122+78.53	50.00' LT	3524	PT 2087+15.20	50.00' RT
3360	PC 2143+87.34	50.00' LT	3601	POT 2093+74.82	50.00' RT
3029	Radius Pt	---------	3602	POT 2123+29.46	50.00' RT
3440	POT 2157+33.17	100.00' LT	3560	PC 2143+87.34	50.00' RT
3441	POT 2178+70.69	100.00' LT	3029	Radius Pt	---------
3446	POT 2229+92.09	100.00' LT	3629	POC 2152+01.78	50.00' RT
3445	POT 2282+65.03	100.00' LT	3029	Radius Pt	---------
3372	POT 2282+64.69	50.00' LT	3640	PT 2157+33.17	100.00' RT
3373	POT 2335+77.98	50.00' LT	3641	POT 2178+71.02	100.00' RT
3365	PC 2343+78.11	50.00' LT	3643	POT 2229+91.25	100.00' RT
3049	Radius Pt	---------	3563	POT 2282+23.71	100.00' RT
3366	PT 2355+69.65	50.00' LT	3142	POT 2283+04.01	50.00' RT
3325	PC 2373+33.51	50.00' LT	3572	POT 2335+77.26	50.00' RT
----	----------	---------	3565	PC 2343+78.11	50.00' RT
3325	PC 2396+34.36	50.00' LT	3049	Radius Pt	---------
3059	Radius Pt	---------	3630	POC 2351+32.32	50.00' RT
3403	POC 2411+85.64	50.00' LT	3049	Radius Pt	---------
3059	Radius Pt	---------	3566	PT 2355+69.65	50.00' RT
3326	PT 2416+65.42	50.00' LT	3525	PC 2373+33.51	50.00' RT
3327	PC 2443+41.13	50.00' LT	----	----------	---------
3069	Radius Pt	---------	3525	PC 2396+34.36	50.00' RT
3404	POC 2451+53.13	50.00' LT	3059	Radius Pt	---------
3069	Radius Pt	---------	3603	POC 2411+91.11	50.00' RT
3405	POC 2467+46.98	50.00' LT	3059	Radius Pt	---------
3069	Radius Pt	---------	3526	PT 2416+65.42	50.00' RT
3300	PT 2482+57.59	50.00' LT	3527	PC 2443+41.42	50.00' RT
3406	POT 2516+99.99	50.00' LT	3069	Radius Pt	---------
3407	POT 2527+72.71	50.00' LT	3604	POC 2448+52.49	50.00' RT
3428	POT 2545+69.48	50.00' LT	3069	Radius Pt	---------
3408	POT 2574+41.01	50.00' LT	3605	POC 2468+46.60	50.00' RT
3409	POT 2594+73.30	50.00' LT	3069	Radius Pt	---------
3410	POT 2660+50.31	50.00' LT	3500	PT 2482+57.59	50.00' RT
3301	POT 2734+88.10	50.00' LT	3606	POT 2516+57.97	50.00' RT
3411	POT 2746+72.00	50.00' LT	3607	POT 2530+05.74	50.00' RT
3412	POT 2775+35.07	50.00' LT	3631	POT 2545+27.38	50.00' RT
9333	POT 2804+18.24	50.00' LT	3608	POT 2573+98.90	50.00' RT
			3609	POT 2597+05.98	50.00' RT
			3610	POT 2660+08.33	50.00' RT
			3501	POT 2734+88.10	50.00' RT
			3611	POT 2746+29.45	50.00' RT
			3612	POT 2774+92.23	50.00' RT
			9533	POT 2803+75.10	50.00' RT

RESULTS OF SURVEY

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CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-02-T-494
SURVEY	SEP/OCT 2003
DRAWN/DATE	IK / Feb. 04
ADOT REVIEW	F. BAKER

URS 7720 North 16th Street Suite 100 - Phoenix, AZ 85020 - 602.371.1100

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: DOUGLAS - WILLCOX
FEDERAL IDENTIFICATION NO.: U 191-A-704
TRACS NO. 191 CH 038 H6431 01R

REGISTERED LAND SURVEYOR 21080 ROBERT J. PECHA ARIZONA, U.S.A.

ROUTE NO.: US-191
SECTION NAME: Jct. SR 181 - Jct. I-10
SHEET RS-11

SECTION MONUMENTATION

PT.	NORTHING	EASTING	DESCRIPTION
167	358557.91700	799264.01300	1/2" REBAR
168	358546.27100	793979.83300	LEAD CAP
170	355928.35800	799274.30900	CCDPW BRASS CAP
171	355945.22800	801768.25100	CCDPW BRASS CAP
176	350674.70900	804423.70400	1/2" REBAR
177	348030.76700	804429.03200	1/2" IRON PIPE
178	347982.78200	799306.35100	LEAD CAP
182	345403.21300	807083.94800	4"X4" WOODEN POST
183	342735.28200	804438.74800	4"X4" WOODEN POST
184	340070.03200	801798.94600	1/2" IRON PIPE
185	340093.22800	804441.19500	1/2" IRON PIPE
186	340115.02800	807084.53300	4"X4" WOODEN POST
187	337446.55400	804445.85900	1/2" REBAR WITH LS CAP
188	337490.61900	809730.88700	ALUM. CAP
189	334802.15800	804450.33300	1 1/2" & 3" IRON PIPE
190	334823.55100	807092.27200	4"X4" WOODEN POST
191	334847.48100	809733.26600	ALUM. CAP
192	332200.25400	809738.08600	4"X4" WOODEN POST
193	329536.49400	807100.49200	RAILROAD SPIKE
194	329551.36500	809743.34700	ALUM. CAP
195	329575.35500	812384.50100	USGLO BRASS CAP
196	329596.44700	815028.54900	USGLO BRASS CAP
197	332268.55200	815020.93000	STONE
198	326957.36600	815026.67900	USGLO BRASS CAP
199	329618.48900	817663.06100	STONE
200	332281.39700	820304.56200	2" ALUM. CAP
201	329639.07200	820277.15700	2" IRON PIPE
202	326987.38900	820310.01400	STONE
205	329682.40400	825590.83000	5/8" REBAR
208	332376.83600	830869.75200	4"X4" WOODEN POST
212	332381.21200	835975.97000	USGLO BRASS CAP
214	327093.56300	835998.91200	USGLO BRASS CAP
216	332394.98600	841257.18900	USGLO BRASS CAP
217	329752.11200	841274.73100	USGLO BRASS CAP
218	327107.70900	841285.13900	USGLO BRASS CAP
220	329760.26000	843895.56000	USGLO BRASS CAP
221	329762.48600	846533.29500	USGLO BRASS CAP
223	324476.66000	843941.41200	USGLO BRASS CAP
225	324497.63100	849217.38400	USGLO BRASS CAP
226	321845.20200	846591.49500	2" BRASS CAP
227	319189.75600	843961.68700	1" IRON PIPE
228	319201.02200	846602.23800	3" BRASS DISK
229	319211.44900	849241.53800	USGLO BRASS CAP
230	316557.14800	846614.48300	BRASS DISK
241	324385.57000	825597.23500	STONE
242	324439.02500	830887.99700	STONE
243	332399.20200	846517.60100	USGLO BRASS CAP
245	355903.77300	793996.58000	ALUM. CAP
246	334870.75100	815019.42600	4"X4" WOODEN POST
251	321863.85550	851870.58390	1/2" REBAR
403	329660.73800	822933.99350	SET 2" ALUM. CAP
407	329703.34945	828227.03326	SET 2" ALUM. CAP
411	329730.90860	833338.63659	SET 2" ALUM. CAP
413	329737.97640	835984.00135	SET 2" ALUM. CAP
415	329745.04420	838629.36611	SET 2" ALUM. CAP
424	324488.28104	846578.86772	1/2" REBAR
586	340133.72700	809728.15300	1 1/2" ALUM. CAP
598	324311.51300	815030.90900	USGLO BRASS CAP
9164	361201.85829	793964.42582	SET 2" ALUM. CAP
9165	361201.05579	796608.61367	ALUM. CAP
9166	361208.98476	799254.24162	USGLO BRASS CAP
9250	361202.66099	791319.58099	1" IRON PIPE
9409	329724.29490	830863.23652	SET 2" ALUM. CAP

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SECTION MONUMENTATION BY AMEC

AMEC PT	URS PT	NORTHING	EASTING	DESCRIPTION
124	230	316558.38400	846736.93500	BRASS CAP
125	228	319202.19500	846736.28800	BRASS CAP
126	226	321846.41000	846737.13800	BRASS CAP

NOTE:
- INFORMATION TAKEN FROM PROJECT "191 CH 027 H4560 01C"
  (PROJECT No. S 206-509, DRAWING No. D-02-T-488)
  G.A.F.=1.00027890

CALCULATED POINTS

PT	NORTHING	EASTING	DESCRIPTION	PT	NORTHING	EASTING	DESCRIPTION
301	329822.91562	830689.24240	(C)	3523	323490.55868	846633.63490	(C)
302	329824.75731	831036.17381	(C)	3524	326927.24184	844506.52154	(C)
403	329660.73800	822933.99350	(C)	3525	329171.09626	816561.65564	(C)
407	329703.34945	828227.03326	(C)	3526	329093.82045	814560.34441	(C)
411	329730.90860	833338.63659	(C)	3527	329463.61896	811910.30661	(C)
413	329737.97640	835984.00135	(C)	3560	329481.44816	839442.01148	(C)
415	329745.04420	838629.36611	(C)	3563	329782.72366	825630.66469	(C)
3010	325829.31872	846572.46093	(C)	3564	329689.07789	820277.67564	(C)
3013	323490.31980	846583.63547	(C)	3565	329682.77214	819476.86105	(C)
3015	326882.59815	844484.00619	(C)	3566	329548.85161	818284.58836	(C)
3019	323472.07136	842763.96043	(C)	3572	329689.07763	820277.67564	(C)
3020	329745.51979	838807.37179	(C)	3601	327224.27146	843917.56775	(C)
3023	329436.80447	839419.49613	(C)	3602	328554.76806	841279.44358	(C)
3025	329743.68812	838121.80778	(C)	3603	329048.17765	815028.16051	(C)
3029	326878.90937	838129.46181	(C)	3604	329566.56379	811416.64147	(C)
3040	329628.06586	818879.34829	(C)	3605	330556.15022	809741.35138	(C)
3043	329632.77369	819477.25473	(C)	3606	334828.36676	807623.75504	(C)
3045	329500.01173	818295.29657	(C)	3607	336066.13515	807090.45467	(C)
3049	323903.37334	819522.36717	(C)	3608	340100.74053	805352.11932	(C)
3050	328902.46061	815569.88083	(C)	3609	342219.52941	804439.22568	(C)
3053	329122.25638	816572.36385	(C)	3610	348007.50279	801945.44059	(C)
3055	329044.30027	814553.43413	(C)	3611	355924.90910	798533.92487	(C)
3059	334718.89476	815345.29325	(C)	3612	358553.81019	797400.61676	(C)
3060	329711.23624	809774.05974	(C)	3629	329745.12437	838659.37344	(C)
3063	329414.09878	811903.39634	(C)	3630	329626.80086	818718.68890	(C)
3065	331685.73203	808923.33569	(C)	3631	337463.58373	806488.35507	(C)
3069	333197.16177	812431.30242	(C)	3640	329843.68776	838121.54061	(C)
3070	354857.00750	798939.84450	(C)	3641	329837.97594	835983.69750	(C)
3130	334682.39721	825582.58817	(C)	3643	329824.30001	830863.48217	(C)
3140	334682.46314	825622.58812	(C)	3730	321795.37908	846641.69784	(C)
3141	334682.33127	825542.58823	(C)	3731	321895.37814	846641.25585	(C)
3142	329732.07880	825550.74806	(C)	3732	321813.85581	851870.76057	(C)
3300	331665.94746	808877.41651	(C)	3733	321913.85519	851870.40723	(C)
3301	354837.21830	798893.92732	(C)	3802	327168.02634	843918.05585	(C)
3320	316556.91643	846564.48354	(C)	3803	328498.65773	841279.66442	(C)
3321	319200.80868	846552.23845	(C)	3804	328998.10218	815028.12502	(C)
3322	321844.98099	846541.49549	(C)	3805	329565.04066	811248.95448	(C)
3323	323490.08093	846533.63604	(C)	3806	330485.11959	809741.49246	(C)
3324	326837.95446	844461.49085	(C)	3807	334827.87537	807569.52328	(C)
3325	329073.41649	816583.07206	(C)	3808	335939.34365	807090.64011	(C)
3326	328994.78009	814546.52386	(C)	3809	340100.29311	805297.86861	(C)
3327	329364.57860	811896.48606	(C)	3810	342092.89609	804439.34296	(C)
3360	329392.16077	839396.98078	(C)	3811	348006.99486	801891.21595	(C)
3365	329582.77524	819477.64842	(C)	3812	355924.65598	798479.58577	(C)
3366	329451.17184	818306.00478	(C)	3813	358553.69031	797346.22022	(C)
3372	329632.40283	825590.89046	(C)	3831	337463.13142	806434.10647	(C)
3373	329589.07533	820277.77651	(C)	6001	321472.47011	846543.00895	(C)
3401	327111.78122	843918.54396	(C)	6002	325442.23072	845977.87559	(C)
3402	328442.54740	841279.88526	(C)	6003	329631.21982	833455.25755	(C)
3403	328948.02801	815028.08954	(C)	6004	329602.78099	828155.88357	(C)
3404	329563.68694	811099.91856	(C)	6005	343643.88216	803716.64728	(C)
3405	330415.00545	809741.63171	(C)	6006	346858.22456	802331.72744	(C)
3406	334827.38397	807515.29151	(C)	6007	349154.18341	801342.49899	(C)
3407	335812.55215	807090.82555	(C)	6008	351633.81898	800274.13226	(C)
3408	340099.84570	805243.61789	(C)	6009	353654.26277	799403.61122	(C)
3409	341966.26277	804439.46025	(C)	6201	321472.87639	846643.00813	(C)
3410	348006.48693	801836.99131	(C)	6202	325494.49349	846063.13169	(C)
3411	355924.40285	798425.24667	(C)	6203	329831.21911	833454.72320	(C)
3412	358553.57042	797291.82368	(C)	6204	329802.77468	828154.29456	(C)
3428	337462.67911	806379.85787	(C)	6205	343683.45130	803808.48563	(C)
3440	329643.68848	838122.07496	(C)	6206	346897.79369	802423.56580	(C)
3441	329637.97755	835984.56520	(C)	6207	349193.75255	801434.33734	(C)
3445	329582.40180	825590.95092	(C)	6208	351673.38811	800365.97061	(C)
3446	329624.29547	830863.70500	(C)	6209	353693.83191	799495.44958	(C)
3500	331705.51660	808969.25486	(C)	9333	361201.19484	796150.44402	(C)
3501	354876.79670	798985.76168	(C)	9409	329724.29490	830863.23652	(C)
3520	316557.37957	846664.48246	(C)	9533	361201.16179	796259.35471	(C)
3521	319201.21953	846652.23762	(C)	9999	361201.17832	796204.89936	(C)

RESULTS OF SURVEY

...\191rw038.survey12

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-02-T-494
SURVEY	SEP/OCT 2003
DRAWN/DATE	IK / Feb. 04
ADOT REVIEW	F. BAKER

URS 7720 North 16th Street Suite 100 - Phoenix, AZ 85020 - 602.371.1100

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: DOUGLAS - WILLCOX
FEDERAL IDENTIFICATION NO.: U 191-A-704
TRACS NO. 191 CH 038 H6431 01R
ROUTE NO.: US-191
SECTION NAME: Jct. SR 181 - Jct. I-10

REGISTERED LAND SURVEYOR 21080 ROBERT J. PECHA ARIZONA, U.S.A.

SHEET RS-12

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SET EXISTING R/W MONUMENTATION

PT	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
3321	319200.80868	846552.23845	5/8" REBAR W/ALUM CAP RLS*21080	POT 2002+28.32	50.00' LT
3323	323490.08093	846533.63604	5/8" REBAR W/ALUM CAP RLS*21080	PC 2045+17.67	50.00' LT
3324	326837.95446	844461.49085	5/8" REBAR W/ALUM CAP RLS*21080	PT 2087+15.20	50.00' LT
3360	329392.16077	839396.98078	5/8" REBAR W/ALUM CAP RLS*21080	PC 2143+87.34	50.00' LT
3365	329582.77524	819477.64842	5/8" REBAR W/ALUM CAP RLS*21080	PC 2343+78.11	50.00' LT
3366	329451.17184	818306.00478	5/8" REBAR W/ALUM CAP RLS*21080	PT 2355+69.65	50.00' LT
3373	329589.07533	820277.77651	5/8" REBAR W/ALUM CAP RLS*21080	POT 2335+77.98	50.00' LT
3402	328442.54740	841279.88526	5/8" REBAR W/ALUM CAP RLS*21080	POT 2122+78.53	50.00' LT
3404	329563.68694	811099.91856	5/8" REBAR W/ALUM CAP RLS*21080	POC 2451+53.13	50.00' LT
3405	330415.00545	809741.63171	5/8" REBAR W/ALUM CAP RLS*21080	POC 2467+46.97	50.00' LT
3408	340099.84570	805243.61789	5/8" REBAR W/ALUM CAP RLS*21080	POT 2574+41.01	50.00' LT
3409	341966.26277	804439.46025	5/8" REBAR W/ALUM CAP RLS*21080	POT 2594+73.29	50.00' LT
3411	355924.40285	798425.24667	5/8" REBAR W/ALUM CAP RLS*21080	POT 2746+72.00	50.00' LT
3412	358553.57042	797291.82368	5/8" REBAR W/ALUM CAP RLS*21080	POT 2775+35.07	50.00' LT
3440	329643.68848	838122.07496	5/8" REBAR W/ALUM CAP RLS*21080	PT 2157+33.17	100.00' LT
3441	329637.97755	835984.56520	5/8" REBAR W/ALUM CAP RLS*21080	POT 2178+70.69	100.00' LT
3445	329582.40180	825590.95092	5/8" REBAR W/ALUM CAP RLS*21080	POT 2282+65.03	100.00' LT
3521	319201.21953	846652.23762	5/8" REBAR W/ALUM CAP RLS*21080	POT 2002+28.30	50.00' RT
3523	323490.55868	846633.63490	5/8" REBAR W/ALUM CAP RLS*21080	PC 2045+17.67	50.00' RT
3524	326927.24184	844506.52154	5/8" REBAR W/ALUM CAP RLS*21080	PT 2087+15.20	50.00' RT
3560	329481.44816	839442.01148	5/8" REBAR W/ALUM CAP RLS*21080	PC 2143+87.34	50.00' RT
3563	329782.72366	825630.66469	5/8" REBAR W/ALUM CAP RLS*21080	POT 2282+23.71	100.00' RT
3565	329682.77214	819476.86105	NOT SET - FALLS ON ALUM. POST	PC 2343+78.11	50.00' RT
3566	329548.85161	818284.58836	5/8" REBAR W/ALUM CAP RLS*21080	PT 2355+69.65	50.00' RT
3572	329689.07763	820277.67564	5/8" REBAR W/ALUM CAP RLS*21080	POT 2335+77.26	50.00' RT
3602	328554.76806	841279.44358	5/8" REBAR W/ALUM CAP RLS*21080	POT 2123+29.46	50.00' RT
3608	340100.74053	805352.11932	5/8" REBAR W/ALUM CAP RLS*21080	POT 2573+98.90	50.00' RT
3609	342219.52941	804439.22568	5/8" REBAR W/ALUM CAP RLS*21080	POT 2597+05.98	50.00' RT
3611	355924.90910	798533.92487	5/8" REBAR W/ALUM CAP RLS*21080	POT 2746+29.44	50.00' RT
3629	329745.12437	838659.37344	5/8" REBAR W/ALUM CAP RLS*21080	POC 2152+01.78	50.00' RT
3640	329843.68776	838121.54061	5/8" REBAR W/ALUM CAP RLS*21080	PT 2157+33.17	100.00' RT
3641	329837.97594	835983.69750	5/8" REBAR W/ALUM CAP RLS*21080	POT 2178+71.02	100.00' RT
3643	329824.30001	830863.48217	5/8" REBAR W/ALUM CAP RLS*21080	POT 2229+91.25	100.00' RT
6001	321472.47011	846543.00895	5/8" REBAR W/ALUM CAP RLS*21080	POT 2025+00.00	50.00' LT
6002	325442.23072	845977.87559	5/8" REBAR W/ALUM CAP RLS*21080	POC 2066+00.00	50.00' LT
6003	329631.21982	833455.25755	5/8" REBAR W/ALUM CAP RLS*21080	POT 2204+00.00	100.00' LT
6004	329602.78099	828155.88357	5/8" REBAR W/ALUM CAP RLS*21080	POT 2257+00.00	100.00' LT
6005	343643.88216	803716.64728	5/8" REBAR W/ALUM CAP RLS*21080	POT 2613+00.00	50.00' LT
6006	346858.22456	802331.72744	5/8" REBAR W/ALUM CAP RLS*21080	POT 2648+00.00	50.00' LT
6007	349154.18341	801342.49899	5/8" REBAR W/ALUM CAP RLS*21080	POT 2673+00.00	50.00' LT
6008	351633.81898	800274.13226	5/8" REBAR W/ALUM CAP RLS*21080	POT 2700+00.00	50.00' LT
6009	353654.26277	799403.61122	5/8" REBAR W/ALUM CAP RLS*21080	POT 2722+00.00	50.00' LT
6201	321472.87639	846643.00813	5/8" REBAR W/ALUM CAP RLS*21080	POT 2025+00.00	50.00' RT
6202	325494.49349	846063.13169	5/8" REBAR W/ALUM CAP RLS*21080	POC 2066+00.00	50.00' RT
6203	329831.21911	833454.72320	5/8" REBAR W/ALUM CAP RLS*21080	POT 2204+00.00	100.00' RT
6204	329802.77468	828154.29456	5/8" REBAR W/ALUM CAP RLS*21080	POT 2257+00.00	100.00' RT
6205	343683.45130	803808.48563	5/8" REBAR W/ALUM CAP RLS*21080	POT 2613+00.00	50.00' RT
6206	346897.79369	802423.56580	5/8" REBAR W/ALUM CAP RLS*21080	POT 2648+00.00	50.00' RT
6207	349193.75255	801434.33734	5/8" REBAR W/ALUM CAP RLS*21080	POT 2673+00.00	50.00' RT
6208	351673.38811	800365.97061	5/8" REBAR W/ALUM CAP RLS*21080	POT 2700+00.00	50.00' RT
6209	353693.83191	799495.44958	5/8" REBAR W/ALUM CAP RLS*21080	POT 2722+00.00	50.00' RT
9333	361201.19484	796150.44402	5/8" REBAR W/ALUM CAP RLS*21080	POT 2804+18.24	50.00' LT
9533	361201.16179	796259.35471	5/8" REBAR W/ALUM CAP RLS*21080	POT 2803+75.09	50.00' RT

All Stations and Offsets based on Existing US 191 R/W ℄ unless as noted

EXISTING ADOT R/W MONUMENTATION

PT	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
1077	329730.26900	825361.37200	ADOT RAILROAD RAIL	POT 2284+93.40	49.73' RT
1080	329630.60000	825361.98000	ADOT RAILROAD RAIL	POT 2284+93.60	49.94' LT
1081	329714.73000	823360.63200	ADOT RAILROAD RAIL	POT 2304+94.20	50.51' RT
1082	329614.61200	823361.81700	ADOT RAILROAD RAIL	POT 2304+93.83	49.61' LT
1083	329683.48400	819479.19000	ADOT RAILROAD RAIL	POT 2343+75.78	50.69' RT
1084	329583.63300	819479.71500	ADOT RAILROAD RAIL	POT 2343+76.04	49.16' LT
1085	329549.62800	818288.19600	ADOT RAILROAD RAIL	POC 2355+65.99	49.99' RT
1086	329451.96000	818309.53300	ADOT RAILROAD RAIL	POC 2355+66.00	49.98' LT
1087	329171.16100	816562.05800	ADOT RAILROAD RAIL	POT 2373+33.10	49.98' RT
1088	329073.52700	816583.46900	ADOT RAILROAD RAIL	POT 2373+33.10	49.98' LT
2002	328994.54400	814547.64200	ADOT RAILROAD RAIL	POC 2416+64.29	50.08' LT
2005	329093.73800	814561.50900	ADOT RAILROAD RAIL	POC 2416+64.25	50.08' RT
2006	329463.61200	811910.48900	ADOT RAILROAD RAIL	POT 2443+40.95	50.02' RT
2008	330140.64300	810224.44800	ADOT RAILROAD RAIL	POC 2462+00.19	49.77' RT
2011	331705.46100	808969.26400	ADOT RAILROAD RAIL	POT 2482+57.54	49.99' RT
2012	331665.99000	808877.41300	ADOT RAILROAD RAIL	POT 2482+57.63	49.99' LT
2013	330060.78700	810164.62900	ADOT RAILROAD RAIL	POC 2462+01.92	49.99' LT
2014	329364.52300	811896.75200	ADOT RAILROAD RAIL	POT 2443+40.86	50.02' LT
2017	333765.65400	808081.48000	ADOT RAILROAD RAIL	POT 2505+00.88	49.86' RT
2019	335051.68800	807527.62000	ADOT RAILROAD RAIL	POT 2519+01.11	50.08' RT
2020	335012.04800	807435.72900	ADOT RAILROAD RAIL	POT 2519+01.06	50.00' LT
2022	333726.10900	807989.66200	ADOT RAILROAD RAIL	POT 2505+00.89	50.11' LT
2023	337348.04400	806538.70500	ADOT RAILROAD RAIL	POT 2544+01.35	50.52' RT
2025	339552.56700	805589.27000	ADOT RAILROAD RAIL	POT 2568+01.63	50.89' RT
2026	339513.03500	805497.56000	ADOT RAILROAD RAIL	POT 2568+01.61	48.98' LT
2027	337308.37900	806446.77400	ADOT RAILROAD RAIL	POT 2544+01.29	49.60' LT
2028	341558.64000	804724.89700	ADOT RAILROAD RAIL	POT 2589+86.00	50.85' RT
2029	343762.81300	803775.05000	ADOT RAILROAD RAIL	POT 2613+86.12	50.70' RT
2032	345783.14400	802904.46000	ADOT RAILROAD RAIL	POT 2635+86.04	50.59' RT
2034	347804.06900	802033.74700	ADOT RAILROAD RAIL	POT 2657+86.56	50.60' RT
2040	350100.69500	801044.40700	ADOT RAILROAD RAIL	POT 2682+87.22	50.76' RT
2042	354876.81700	798985.71200	ADOT RAILROAD RAIL	POT 2734+88.13	49.96' RT
2043	354837.19800	798893.97700	ADOT RAILROAD RAIL	POT 2734+88.05	49.96' LT
2046	357080.90600	798035.41100	ADOT RAILROAD RAIL	POT 2758+88.35	49.85' RT
2048	358826.14500	797283.28200	ADOT RAILROAD RAIL	POT 2777+88.76	50.06' RT
2051	357041.41900	797943.58800	ADOT RAILROAD RAIL	POT 2758+88.44	50.11' LT
2054	360478.99000	796570.36600	ADOT RAILROAD RAIL	POT 2795+88.80	49.71' RT
2055	360439.26600	796478.66800	ADOT RAILROAD RAIL	POT 2795+88.62	50.22' LT

All Stations and Offsets based on Existing US 191 R/W ℄ unless as noted

EXISTING MISCELLANEOUS R/W MONUMENTATION

PT	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
1001	317218.33600	846661.50600	1/2" REBAR (RLS*16116)	POT 1982+45.40	50.08' RT
1002	317901.29000	846658.21700	1/2" REBAR	POT 1989+28.36	49.96' RT
1003	319201.42700	846654.00200	1/2" REBAR	POT 2002+28.53	51.77' RT
1004	322523.67700	846638.63700	1/2" REBAR	POT 2035+50.78	50.38' RT
1005	322809.36300	846639.10700	1/2" REBAR	POT 2038+36.46	52.22' RT
1006	323293.92800	846637.13000	1/2" REBAR	POT 2043+21.03	52.56' RT
1009	321896.31700	846541.44400	5/8" REBAR	POT 2029+23.89	49.81' LT
1010	321758.79200	846542.30100	5/8" REBAR	POT 2027+86.33	49.54' LT
1022	321795.22800	846641.61500	1/2" REBAR	POT 2028+22.36	49.92' RT
				*POT 10+49.94	50.15' RT
1025	321895.35600	846641.40900	1" REBAR	POT 2029+22.45	50.15' RT
				*POT 10+50.09	49.98' LT
2001	328947.80000	815028.07400	1/2" REBAR (RLS*13178)	POC 2411+85.64	50.23' LT
2003	329111.99500	813706.57600	1/2" REBAR (RLS*13178)	POT 2425+13.51	50.00' LT
2004	329048.34900	815028.18300	1/2" REBAR (RLS*13178)	POC 2411+91.10	50.17' RT
2007	329566.58400	811416.28800	1/2" REBAR (RLS*13178)	POC 2448+52.84	49.92' RT
2009	330555.65900	809741.77600	1/2" REBAR (RLS*13178)	POC 2468+45.94	49.96' RT
2010	330555.59900	809741.32500	1" IRON PIPE	POC 2468+46.22	49.60' RT
2015	332192.49000	808759.46400	1/2" REBAR (RLS*13178)	POT 2487+87.83	50.02' RT
2016	332190.66900	808760.32600	1" IRON PIPE	POT 2487+85.82	50.09' RT
2018	334828.32200	807623.99400	1/2" REBAR (RLS*13178)	POT 2516+57.84	50.20' RT
2021	334828.99500	807516.14900	1 1/2" AL. CAP(RLS*7599)	POT 2517+01.13	48.58' LT
2024	337463.55500	806488.72900	1/2" REBAR (RLS*35111)	POT 2545+27.20	50.33' RT
2030	341959.12500	804389.61500	1/2" REBAR (RLS*16116)	POT 2594+86.46	98.60' LT
2031	342142.90200	804310.51300	1/2" REBAR	POT 2596+86.54	98.53' LT
2033	346033.30400	802796.70200	1/2" IRON PIPE	POT 2638+58.42	50.61' RT
2035	348007.76900	801945.85300	1/2" IRON PIPE	POT 2660+08.41	50.48' RT
2036	348377.25200	801787.37400	1/2" REBAR (RLS*13178)	POT 2664+10.45	51.14' RT
2037	349306.20800	801386.71700	1/2" REBAR (RLS*13178)	POT 2674+22.12	50.76' RT
2038	346728.57800	802334.16400	1/2" REBAR	POT 2646+79.97	99.06' LT
2039	350082.89100	801052.23600	1/2" REBAR (RLS*13178)	POT 2682+67.77	50.91' RT
2041	353090.18300	799756.71600	1/2" REBAR	POT 2715+42.24	51.08' RT
2044	353939.10300	799280.43000	1/2" REBAR	POT 2725+10.34	50.42' LT
2045	353273.79200	799567.41000	5/8" FORMING PIN	POT 2717+85.77	50.12' LT
2047	358553.93700	797400.30900	1/2" REBAR (RLS*19315)	POT 2774+92.46	49.77' RT
2049	359036.00900	797192.52800	1/2" REBAR (RLS*19315)	POT 2780+17.41	49.80' RT
2050	357895.90300	797575.25300	1/2" REBAR (RLS*13178)	POT 2768+18.93	50.08' LT
2052	359439.82000	797018.50000	1/2" REBAR (RLS*19315)	POT 2784+57.12	49.85' RT
2053	359814.64300	796856.89500	1/2" REBAR (RLS*19315)	POT 2788+65.30	49.83' RT
8231	329624.29600	830863.70500	5/8" WROUGHT IRON	POT 2229+92.09	100.00' LT

All Stations and Offsets based on Existing US 191 R/W ℄ unless as noted
* Based on Existing SR 181 R/W ℄

SET SECONDARY CONTROL POINTS

PT	NORTHING	EASTING	DESCRIPTION
19107	344304.88152	803540.33935	ADOT BC ON 5/8" REBAR
19108	329967.47256	810301.42037	ADOT BC ON 5/8" SS HEX BAR
19109	329587.53171	826063.68870	ADOT BC ON 5/8" SS HEX BAR
19110	328407.33478	841552.46343	ADOT BC ON 5/8" REBAR

RESULTS OF SURVEY

...\19jrw038.survey13

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-02-T-494
SURVEY	SEP/OCT 2003
DRAWN/DATE	IK / Feb. 04
ADOT REVIEW	F. BAKER

URS 7720 North 16th Street Suite 100 - Phoenix, AZ 85020 - 602.371.1100

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

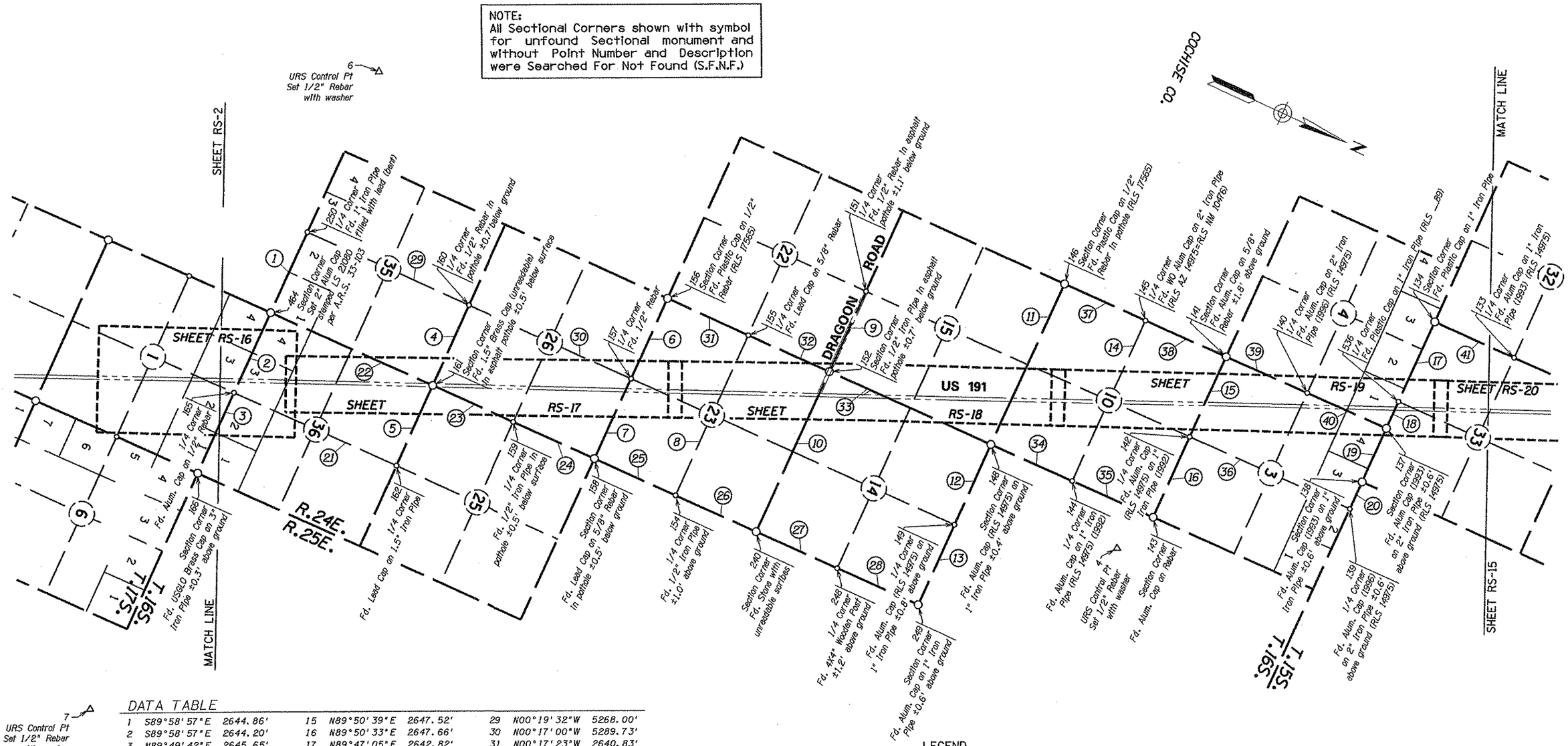
HIGHWAY NAME: DOUGLAS - WILLCOX
FEDERAL IDENTIFICATION NO.: U 191-A-704
TRACS NO. 191 CH 038 H6431 01R
ROUTE NO.: US-191
SECTION NAME: Jct. SR 181 - Jct. I-10

REGISTERED LAND SURVEYOR CERTIFICATE NO. 21080 ROBERT J. PECHA ARIZONA, U.S.A.

SHEET RS-13

Click here for US 191 Index

NOTE:
All Sectional Corners shown with symbol for unfound Sectional monument and without Point Number and Description were Searched For Not Found (S.F.N.F.)



DATA TABLE

1	S89°58'57"E	2644.86'	15	N89°50'39"E	2647.52'	29	N00°19'32"W	5268.00'
2	S89°58'57"E	2644.20'	16	N89°50'33"E	2647.66'	30	N00°17'00"W	5289.73'
3	N89°49'42"E	2645.65'	17	N89°47'05"E	2642.82'	31	N00°17'23"W	2640.83'
4	N89°47'44"E	2642.91'	18	N89°44'55"E	884.65'	32	N00°17'18"W	2640.63'
5	N89°50'26"E	2647.73'	19	N89°44'35"E	1757.85'	33	N00°13'30"W	5276.76'
6	N89°56'28"E	2642.84'	20	N89°44'49"E	890.84'	34	N00°14'27"W	2647.25'
7	N89°56'47"E	2642.32'	21	N00°18'26"W	5286.39'	35	N00°14'53"W	2644.58'
8	N89°51'10"E	5290.14'	22	N00°20'46"W	5278.24'	36	N00°16'48"W	5222.89'
9	N89°53'02"E	2644.01'	23	N00°16'17"W	2641.51'	37	N00°15'34"W	2639.90'
10	N89°51'37"E	5288.76'	24	N00°18'31"W	2641.27'	38	N00°16'59"W	2640.56'
11	N89°58'00"E	5292.75'	25	N00°10'52"W	2649.21'	39	N00°15'58"W	2642.38'
12	N89°45'24"E	2642.09'	26	N00°19'05"W	2639.95'	40	N00°19'13"W	2575.90'
13	N89°45'32"E	2642.81'	27	N00°16'09"W	2642.73'	41	N00°20'30"W	2595.06'
14	N89°53'13"E	5293.58'	28	N00°15'53"W	2643.49'			

LEGEND

302 Set Monument
300 Found Monument
301 Calculated position
Existing R/W monument

RESULTS OF SURVEY

0 750 1500
Scale

...\191rw038.survey14

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-02-T-494
SURVEY	SEP/OCT 2003
DRAWN/DATE	IK / Feb. 04
ADOT REVIEW	F. BAKER

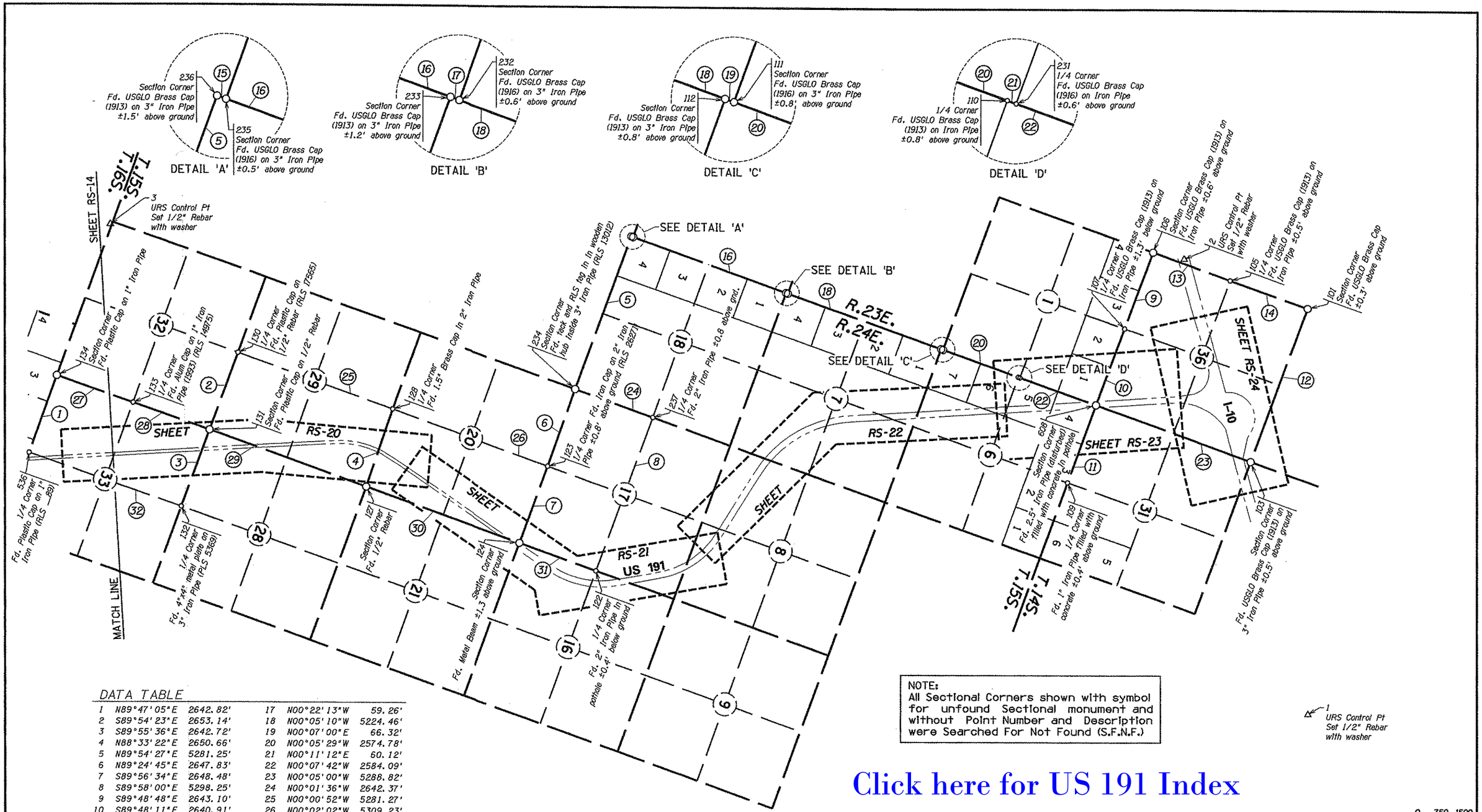
URS 7720 North 16th Street Suite 100 - Phoenix, AZ 85020 - 602.371.1100

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: DOUGLAS - WILLCOX
FEDERAL IDENTIFICATION NO.: U 191-A-704
TRACS NO. 191 CH 038 H6431 01R
ROUTE NO.: US-191
SECTION NAME: Jct. SR 181 - Jct. I-10

REGISTERED LAND SURVEYOR
CERTIFICATE NO. 21080
ROBERT J. PECHA
ARIZONA U.S.A.

SHEET RS-14



NOTE:
All Sectional Corners shown with symbol for unfound Sectional monument and without Point Number and Description were Searched For Not Found (S.F.N.F.)

1 URS Control Pt Set 1/2" Rebar with washer

DATA TABLE

1	N89°47'05"E	2642.82'	17	N00°22'13"W	59.26'
2	S89°54'23"E	2653.14'	18	N00°05'10"W	5224.46'
3	S89°55'36"E	2642.72'	19	N00°07'00"E	66.32'
4	N88°33'22"E	2650.66'	20	N00°05'29"W	2574.78'
5	N89°54'27"E	5281.25'	21	N00°11'12"E	60.12'
6	N89°24'45"E	2647.83'	22	N00°07'42"W	2584.09'
7	S89°56'34"E	2648.48'	23	N00°05'00"W	5288.82'
8	S89°58'00"E	5298.25'	24	N00°01'36"W	2642.37'
9	S89°48'48"E	2643.10'	25	N00°00'52"W	5281.27'
10	S89°48'11"E	2640.91'	26	N00°02'02"W	5309.23'
11	N89°49'40"E	2664.91'	27	N00°20'30"W	2595.06'
12	S89°53'01"E	5289.14'	28	N00°20'38"W	2595.49'
13	N00°08'18"W	2640.72'	29	N00°02'59"W	5352.40'
14	N00°08'24"W	2641.18'	30	N00°02'56"W	5239.81'
15	N00°07'08"W	59.82'	31	N00°01'07"E	2614.79'
16	N00°05'22"W	5224.62'	32	N00°20'40"W	5177.24'

LEGEND

302 Set Monument
300 Found Monument
301 Calculated position
Existing R/W monument

Click here for US 191 Index

RESULTS OF SURVEY

0 750 1500
Scale

...\191rw038.survey15

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-02-T-494
SURVEY	SEP/OCT 2003
DRAWN/DATE	IK / Feb. 04
ADOT REVIEW	F. BAKER

URS 7720 North 16th Street Suite 100 - Phoenix, AZ 85020 - 602.371.1100

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

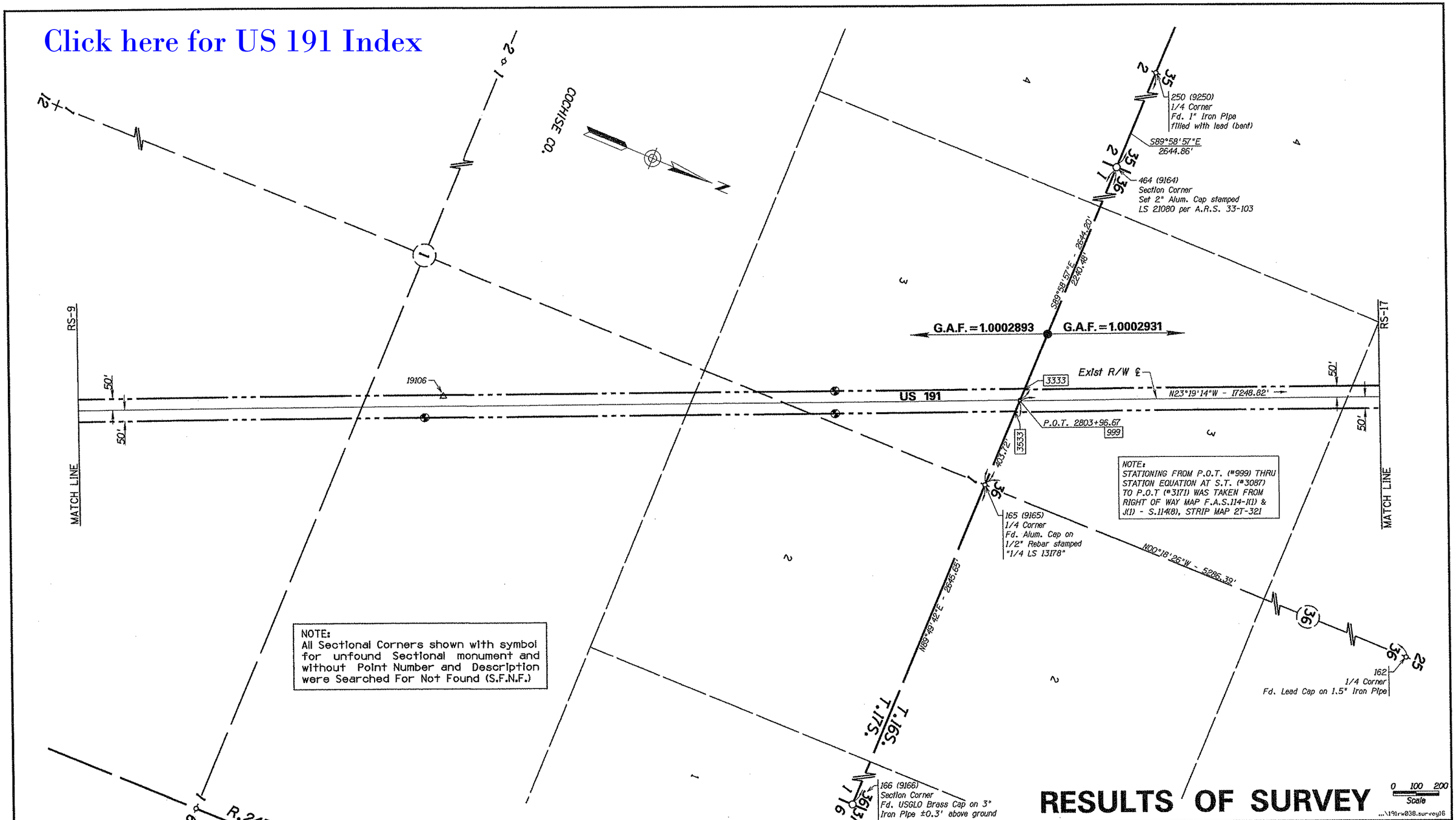
HIGHWAY NAME: DOUGLAS - WILLCOX
FEDERAL IDENTIFICATION NO.: U 191-A-704
TRACS NO. 191 CH 038 H6431 01R

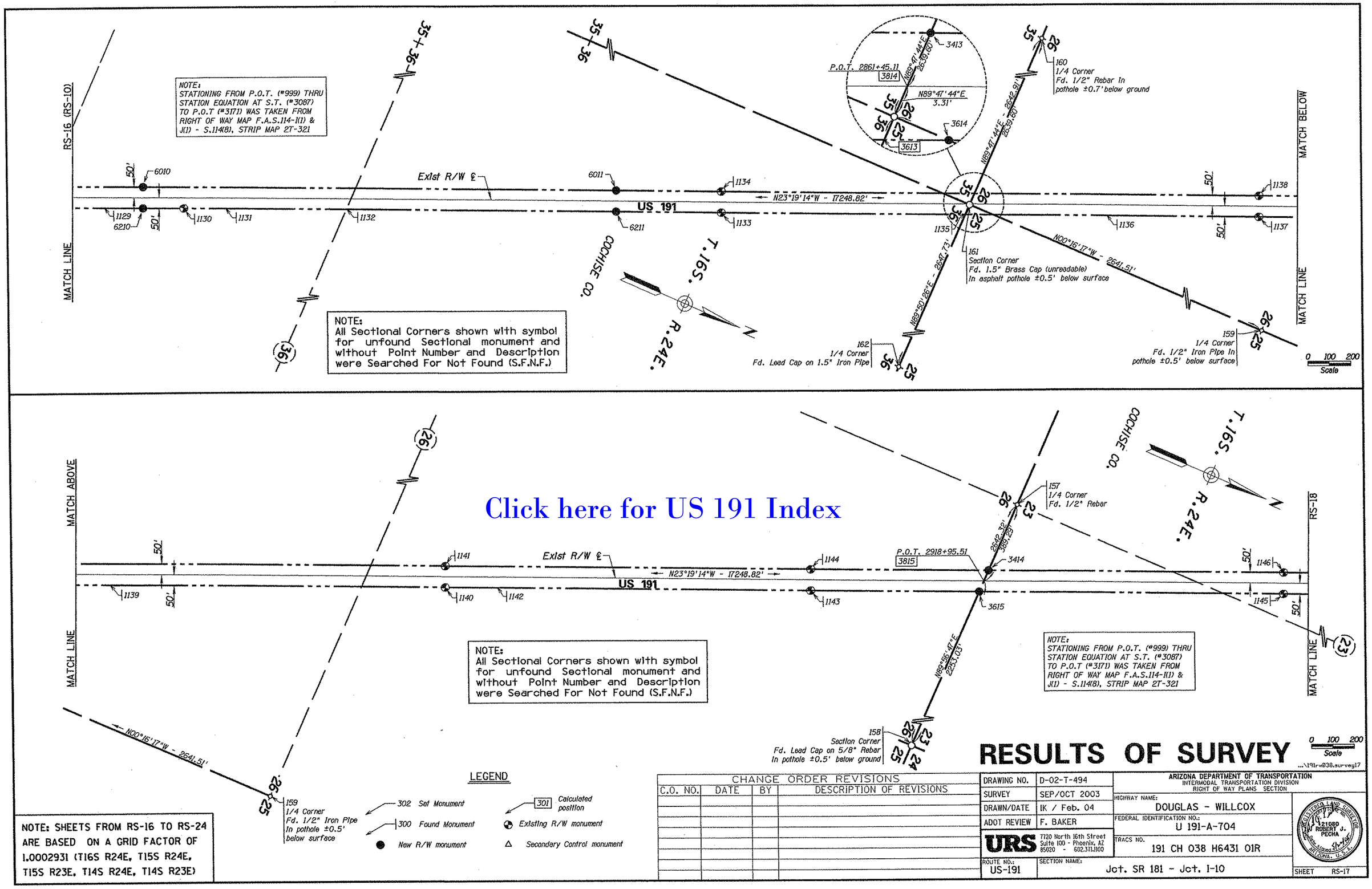
REGISTERED LAND SURVEYOR 21080 ROBERT J. PECHA ARIZONA U.S.A.

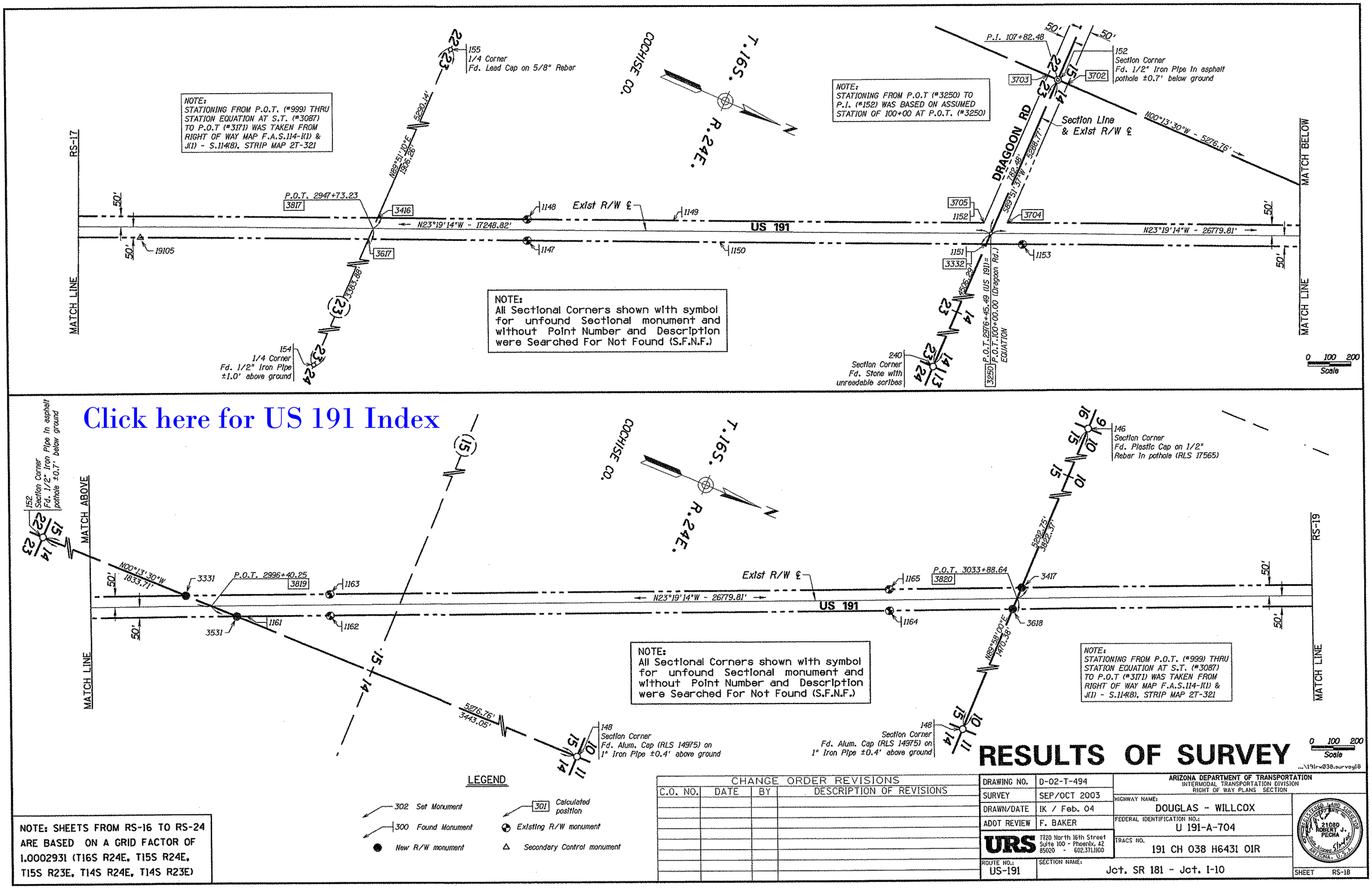
ROUTE NO.: US-191
SECTION NAME: Jct. SR 181 - Jct. I-10

SHEET RS-15

Click here for US 191 Index




NOTE:
STATIONING FROM P.O.T. (#999) THRU STATION EQUATION AT S.T. (#3087) TO P.O.T (#3171) WAS TAKEN FROM RIGHT OF WAY MAP F.A.S.114-1(1) & J(1) - S.114(8), STRIP MAP 2T-321
RS-16 (RS-10)
MATCH LINE
MATCH BELOW
Exist R/W ℄
US 191
N23°19'14"W - 17248.82'
6010
6011
6210
6211
1129
1130
1131
1132
1133
1134
1135
1136
1137
1138
50'
P.O.T. 2861+45.11
3814
3413
3614
3613
N89°47'44"E
3.31'
N89°47'44"E - 2642.91'
2639.60'
N89°50'26"E - 2641.73'
N00°16'17"W - 2641.51'
160
1/4 Corner
Fd. 1/2" Rebar In pothole ±0.7' below ground
161
Section Corner
Fd. 1.5" Brass Cap (unreadable) In asphalt pothole ±0.5' below surface
162
1/4 Corner
Fd. Lead Cap on 1.5" Iron Pipe
159
1/4 Corner
Fd. 1/2" Iron Pipe In pothole ±0.5' below surface
COCHISE CO.
T.16S.
R.24E.
N
NOTE:
All Sectional Corners shown with symbol for unfound Sectional monument and without Point Number and Description were Searched For Not Found (S.F.N.F.)
0 100 200
Scale
MATCH ABOVE
MATCH LINE
RS-18
Click here for US 191 Index
Exist R/W ℄
US 191
N23°19'14"W - 17248.82'
1139
1140
1141
1142
1143
1144
1145
1146
P.O.T. 2918+95.51
3815
3414
3615
2642.32'
369.29'
N89°56'47"E
2253.03'
157
1/4 Corner
Fd. 1/2" Rebar
158
Section Corner
Fd. Lead Cap on 5/8" Rebar In pothole ±0.5' below ground
159
1/4 Corner
Fd. 1/2" Iron Pipe In pothole ±0.5' below surface
N00°16'17"W - 2641.51'
NOTE:
All Sectional Corners shown with symbol for unfound Sectional monument and without Point Number and Description were Searched For Not Found (S.F.N.F.)
NOTE:
STATIONING FROM P.O.T. (#999) THRU STATION EQUATION AT S.T. (#3087) TO P.O.T (#3171) WAS TAKEN FROM RIGHT OF WAY MAP F.A.S.114-1(1) & J(1) - S.114(8), STRIP MAP 2T-321
LEGEND
302 Set Monument
300 Found Monument
New R/W monument
301 Calculated position
Existing R/W monument
Secondary Control monument
NOTE: SHEETS FROM RS-16 TO RS-24 ARE BASED ON A GRID FACTOR OF 1.0002931 (T16S R24E, T15S R24E, T15S R23E, T14S R24E, T14S R23E)
RESULTS OF SURVEY
0 100 200
Scale
...\191rw038.survey17
CHANGE ORDER REVISIONS
C.O. NO. | DATE | BY | DESCRIPTION OF REVISIONS
DRAWING NO. D-02-T-494
SURVEY SEP/OCT 2003
DRAWN/DATE IK / Feb. 04
ADOT REVIEW F. BAKER
URS 7720 North 16th Street Suite 100 - Phoenix, AZ 85020 - 602.371.1100
ROUTE NO.: US-191
SECTION NAME: Jct. SR 181 - Jct. I-10
ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION
HIGHWAY NAME: DOUGLAS - WILLCOX
FEDERAL IDENTIFICATION NO.: U 191-A-704
TRACS NO. 191 CH 038 H6431 01R
REGISTERED LAND SURVEYOR 21080 ROBERT J. PECHA ARIZONA, U.S.A.
SHEET RS-17


Click here for US 191 Index
NOTE:
STATIONING FROM P.O.T. (#999) THRU STATION EQUATION AT S.T. (#3087) TO P.O.T (#3171) WAS TAKEN FROM RIGHT OF WAY MAP F.A.S.114-I(1) & J(1) - S.114(8), STRIP MAP 2T-321
NOTE:
STATIONING FROM P.O.T (#3250) TO P.I. (#152) WAS BASED ON ASSUMED STATION OF 100+00 AT P.O.T. (#3250)
NOTE:
All Sectional Corners shown with symbol for unfound Sectional monument and without Point Number and Description were Searched For Not Found (S.F.N.F.)
RS-17
MATCH LINE
MATCH BELOW
155
1/4 Corner
Fd. Lead Cap on 5/8" Rebar
154
1/4 Corner
Fd. 1/2" Iron Pipe
±1.0' above ground
P.O.T. 2947+73.23
3817
3416
3617
19105
1148
1147
1149
1150
Exist R/W ℄
N23°19'14"W - 17248.82'
US 191
N23°19'14"W - 26779.81'
COCHISE CO.
T.16S.
R.24E.
P.I. 107+82.48
152
Section Corner
Fd. 1/2" Iron Pipe in asphalt
pothole ±0.7' below ground
3703
3702
Section Line
& Exist R/W ℄
N00°13'30"W - 5276.76'
DRAGOON RD
3705
3704
1152
1151
1153
3332
240
Section Corner
Fd. Stone with
unreadable scribes
3250
P.O.T. 2976+45.49 (US 191) =
P.O.T. 100+00.00 (Dragoon Rd.)
EQUATION
50'
0 100 200
Scale
MATCH ABOVE
152
Section Corner
Fd. 1/2" Iron Pipe in asphalt
pothole ±0.7' below ground
N00°13'30"W
1833.71'
3331
3531
P.O.T. 2996+40.25
3819
1161
1162
1163
5276.76'
3443.05'
148
Section Corner
Fd. Alum. Cap (RLS 14975) on
1" Iron Pipe ±0.4' above ground
146
Section Corner
Fd. Plastic Cap on 1/2"
Rebar in pothole (RLS 17565)
Exist R/W ℄
1165
1164
P.O.T. 3033+88.64
3820
3417
3618
N23°19'14"W - 26779.81'
US 191
5292.75'
3622.37'
N89°58'00"E
2410.58'
148
Section Corner
Fd. Alum. Cap (RLS 14975) on
1" Iron Pipe ±0.4' above ground
RS-19
MATCH LINE
NOTE:
All Sectional Corners shown with symbol for unfound Sectional monument and without Point Number and Description were Searched For Not Found (S.F.N.F.)
NOTE:
STATIONING FROM P.O.T. (#999) THRU STATION EQUATION AT S.T. (#3087) TO P.O.T (#3171) WAS TAKEN FROM RIGHT OF WAY MAP F.A.S.114-I(1) & J(1) - S.114(8), STRIP MAP 2T-321
LEGEND
302 Set Monument
300 Found Monument
New R/W monument
301 Calculated position
Existing R/W monument
Secondary Control monument
NOTE: SHEETS FROM RS-16 TO RS-24 ARE BASED ON A GRID FACTOR OF 1.0002931 (T16S R24E, T15S R24E, T15S R23E, T14S R24E, T14S R23E)
RESULTS OF SURVEY
0 100 200
Scale
CHANGE ORDER REVISIONS
C.O. NO. DATE BY DESCRIPTION OF REVISIONS
DRAWING NO. D-02-T-494
SURVEY SEP/OCT 2003
DRAWN/DATE IK / Feb. 04
ADOT REVIEW F. BAKER
URS
7720 North 16th Street
Suite 100 - Phoenix, AZ
85020 - 602.371.1100
ROUTE NO.: US-191
SECTION NAME: Jct. SR 181 - Jct. I-10
ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION
HIGHWAY NAME: DOUGLAS - WILLCOX
FEDERAL IDENTIFICATION NO.: U 191-A-704
TRACS NO. 191 CH 038 H6431 01R
21080 ROBERT J. PECHA
ARIZONA, U.S.A.
SHEET RS-18

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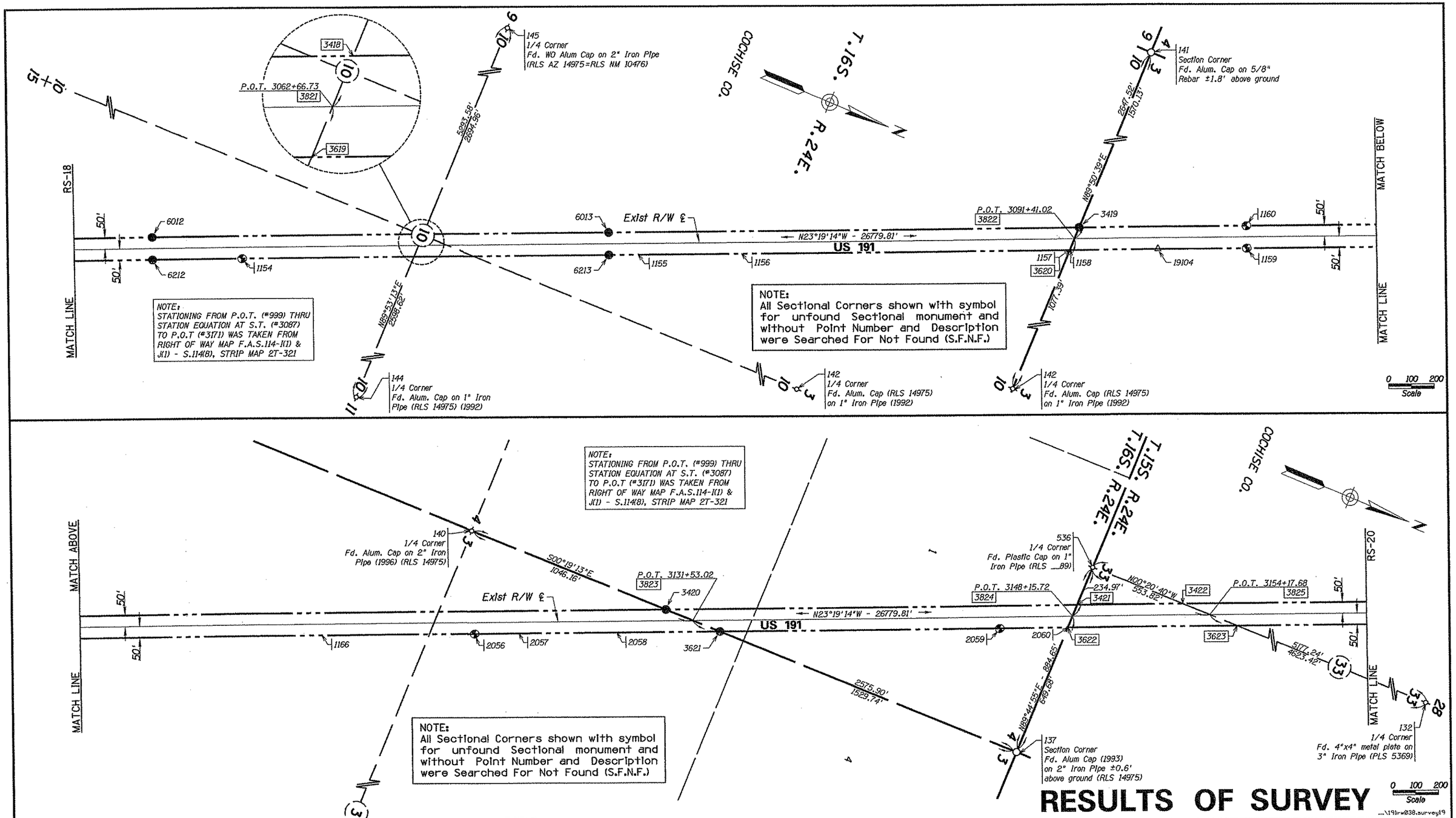

RESULTS OF SURVEY

NOTE: SHEETS FROM RS-16 TO RS-24 ARE BASED ON A GRID FACTOR OF 1.0002931 (T16S R24E, T15S R24E, T15S R23E, T14S R24E, T14S R23E)

LEGEND

- 302 Set Monument
- 300 Found Monument
- New R/W monument
- 301 Calculated position
- Existing R/W monument
- Secondary Control monument

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-02-T-494
SURVEY	SEP/OCT 2003
DRAWN/DATE	IK / Feb. 04
ADOT REVIEW	F. BAKER

URS 7720 North 16th Street Suite 100 - Phoenix, AZ 85020 - 602.371.1100

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: DOUGLAS - WILLCOX

FEDERAL IDENTIFICATION NO.: U 191-A-704

TRACS NO. 191 CH 038 H6431 01R

ROUTE NO.: US-191

SECTION NAME: Jct. SR 181 - Jct. I-10

REGISTERED LAND SURVEYOR 21080 ROBERT J. PECHA ARIZONA, U.S.A.

SHEET RS-19

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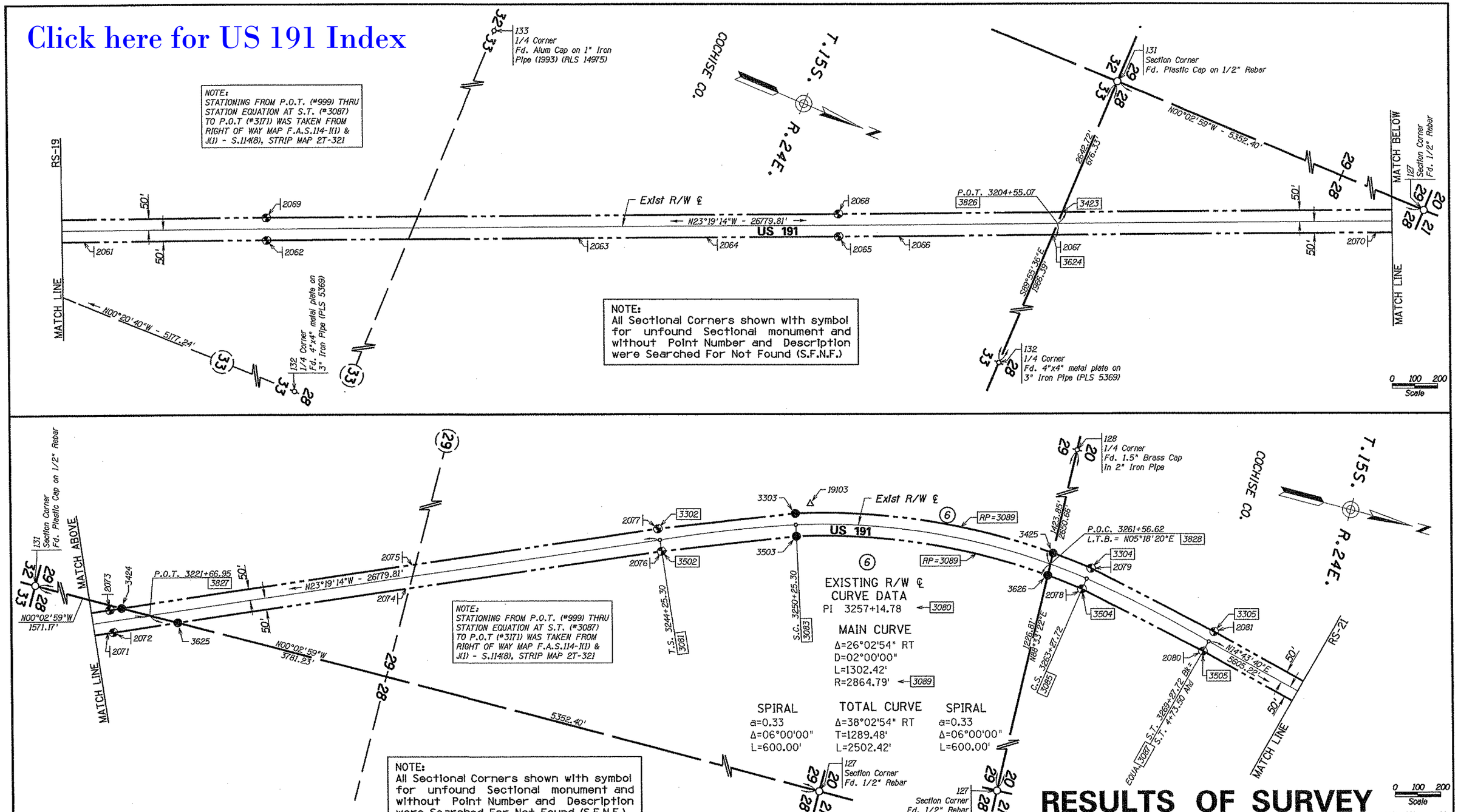

RESULTS OF SURVEY

...\191rw038.survey20

NOTE: SHEETS FROM RS-16 TO RS-24 ARE BASED ON A GRID FACTOR OF 1.0002931 (T16S R24E, T15S R24E, T15S R23E, T14S R24E, T14S R23E)

LEGEND

- 302 Set Monument
- 300 Found Monument
- New R/W monument
- 301 Calculated position
- Existing R/W monument
- Secondary Control monument

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-02-T-494
SURVEY	SEP/OCT 2003
DRAWN/DATE	IK / Feb. 04
ADOT REVIEW	F. BAKER
URS	7120 North 16th Street Suite 100 - Phoenix, AZ 85020 - 602.371.1100
ROUTE NO.: US-191	SECTION NAME: Jct. SR 181 - Jct. I-10

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: DOUGLAS - WILLCOX

FEDERAL IDENTIFICATION NO.: U 191-A-704

TRACS NO. 191 CH 038 H6431 01R

REGISTERED LAND SURVEYOR 21080 ROBERT J. PECHA ARIZONA, U.S.A.

SHEET RS-20

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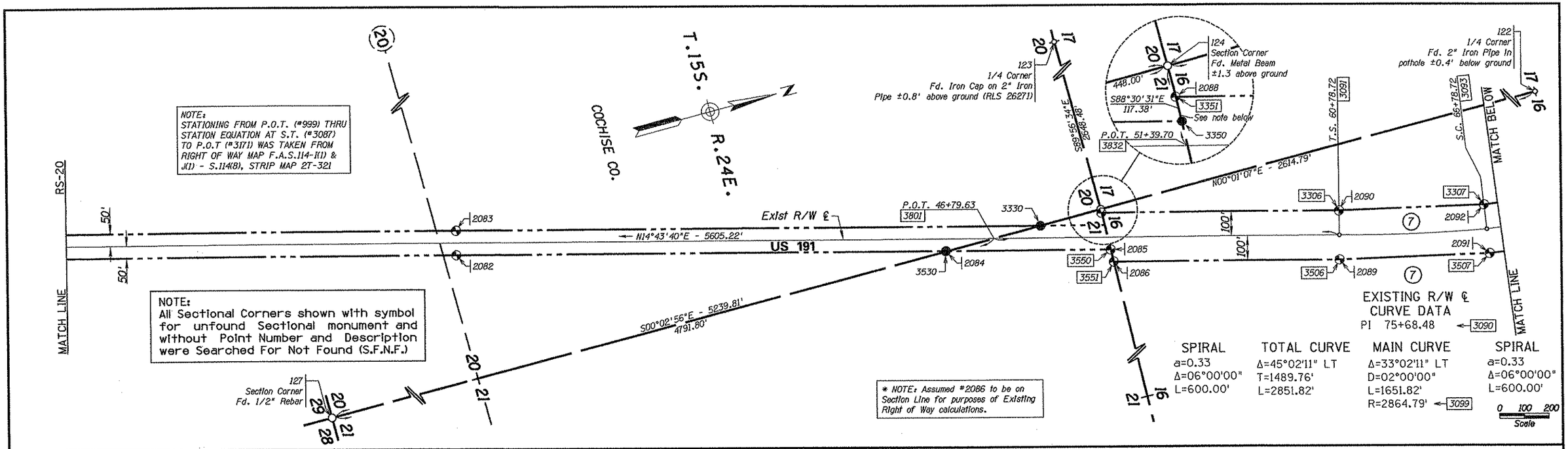
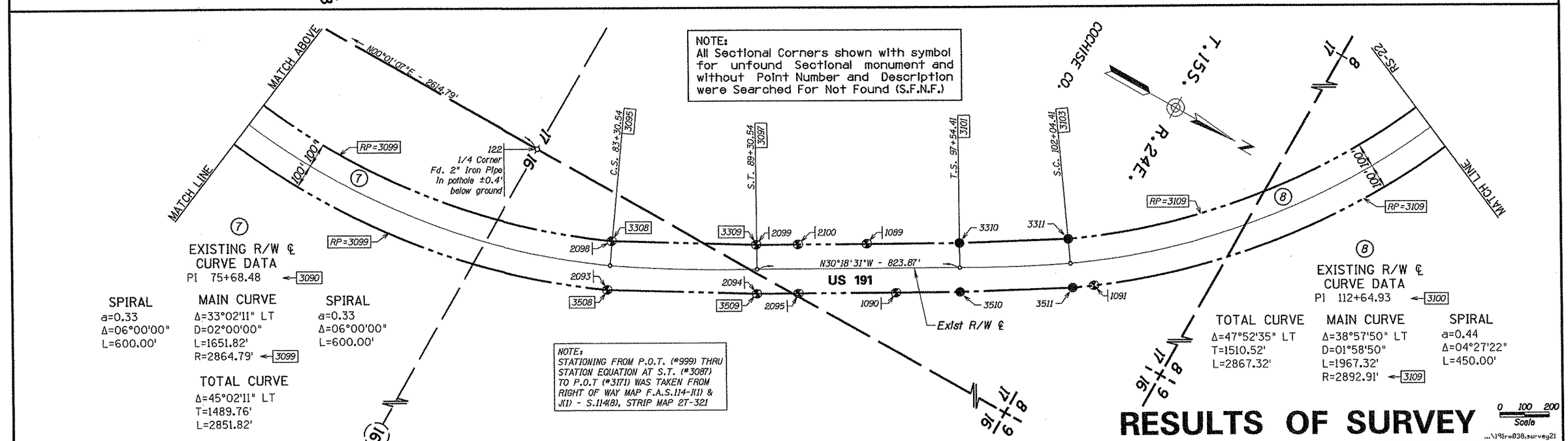




RESULTS OF SURVEY

...\191rw038.survey21

NOTE: SHEETS FROM RS-16 TO RS-24 ARE BASED ON A GRID FACTOR OF 1.0002931 (T16S R24E, T15S R24E, T15S R23E, T14S R24E, T14S R23E)

LEGEND

- 302 Set Monument
- 300 Found Monument
- New R/W monument
- 301 Calculated position
- Existing R/W monument
- Secondary Control monument

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-02-T-494
SURVEY	SEP/OCT 2003
DRAWN/DATE	IK / Feb. 04
ADOT REVIEW	F. BAKER

URS — 7720 North 16th Street, Suite 100 - Phoenix, AZ 85020 - 602.371.1100

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: DOUGLAS - WILLCOX

FEDERAL IDENTIFICATION NO.: U 191-A-704

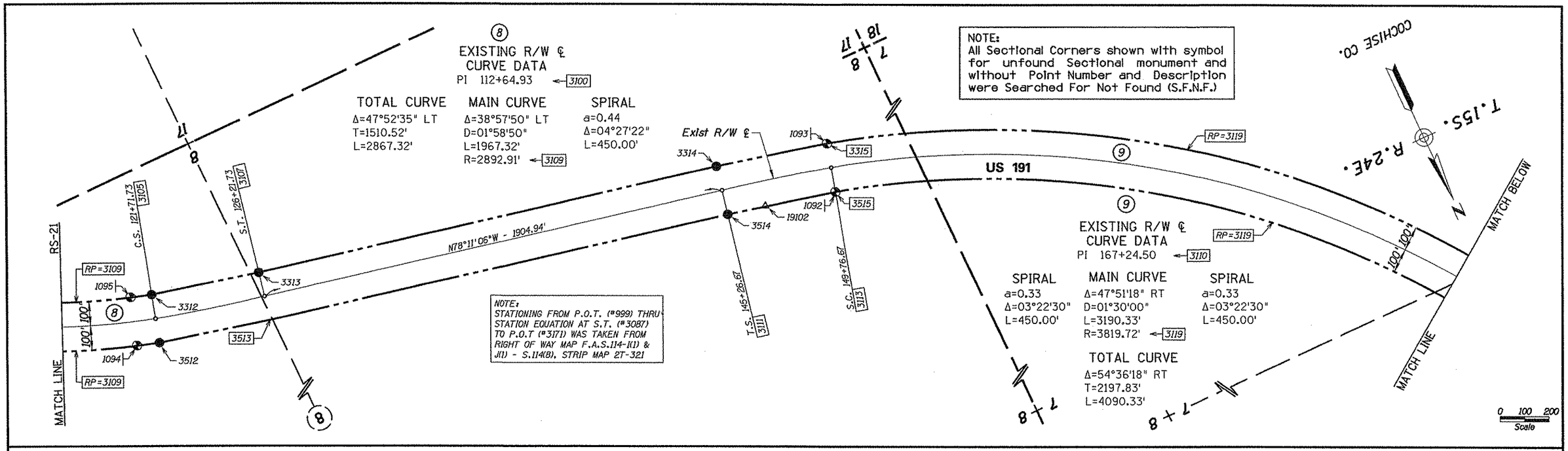
TRACS NO. 191 CH 038 H6431 01R

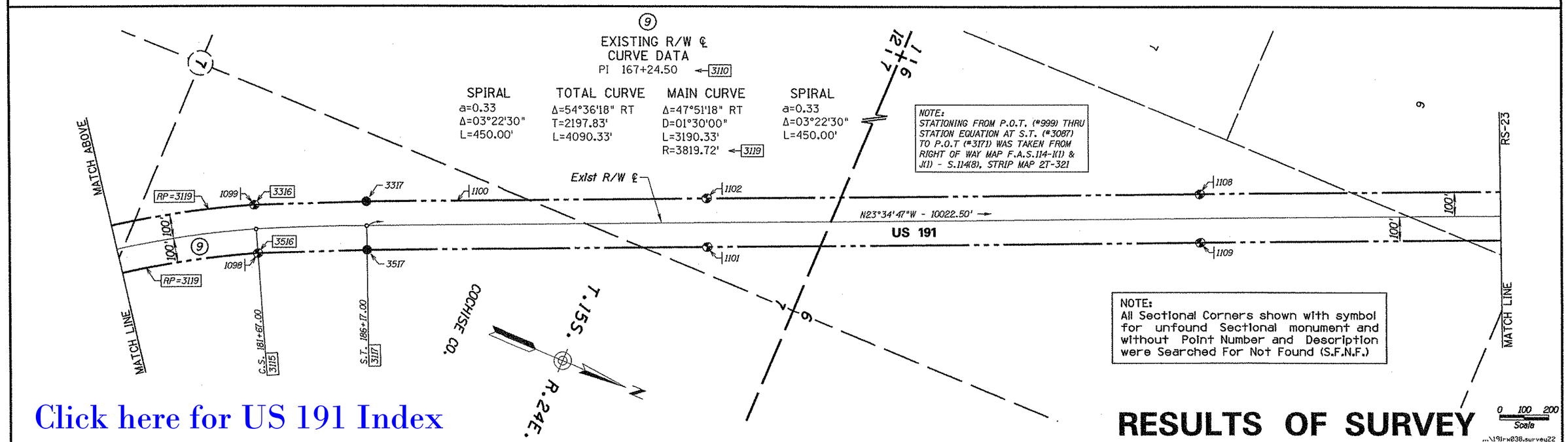
ROUTE NO.: US-191

SECTION NAME: Jct. SR 181 - Jct. I-10

REGISTERED LAND SURVEYOR 21080 ROBERT J. PECHA ARIZONA, U.S.A.

SHEET RS-21





Click here for US 191 Index

RESULTS OF SURVEY

...\191rw038.survey22

LEGEND

- 302 Set Monument
- 300 Found Monument
- New R/W monument
- 301 Calculated position
- Existing R/W monument
- Secondary Control monument

NOTE: SHEETS FROM RS-16 TO RS-24 ARE BASED ON A GRID FACTOR OF 1.0002931 (T16S R24E, T15S R24E, T15S R23E, T14S R24E, T14S R23E)

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-02-T-494
SURVEY	SEP/OCT 2003
DRAWN/DATE	IK / Feb. 04
ADOT REVIEW	F. BAKER
URS	7720 North 16th Street Suite 100 - Phoenix, AZ 85020 - 602.371.1100
ROUTE NO.: US-191	SECTION NAME: Jct. SR 181 - Jct. I-10

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

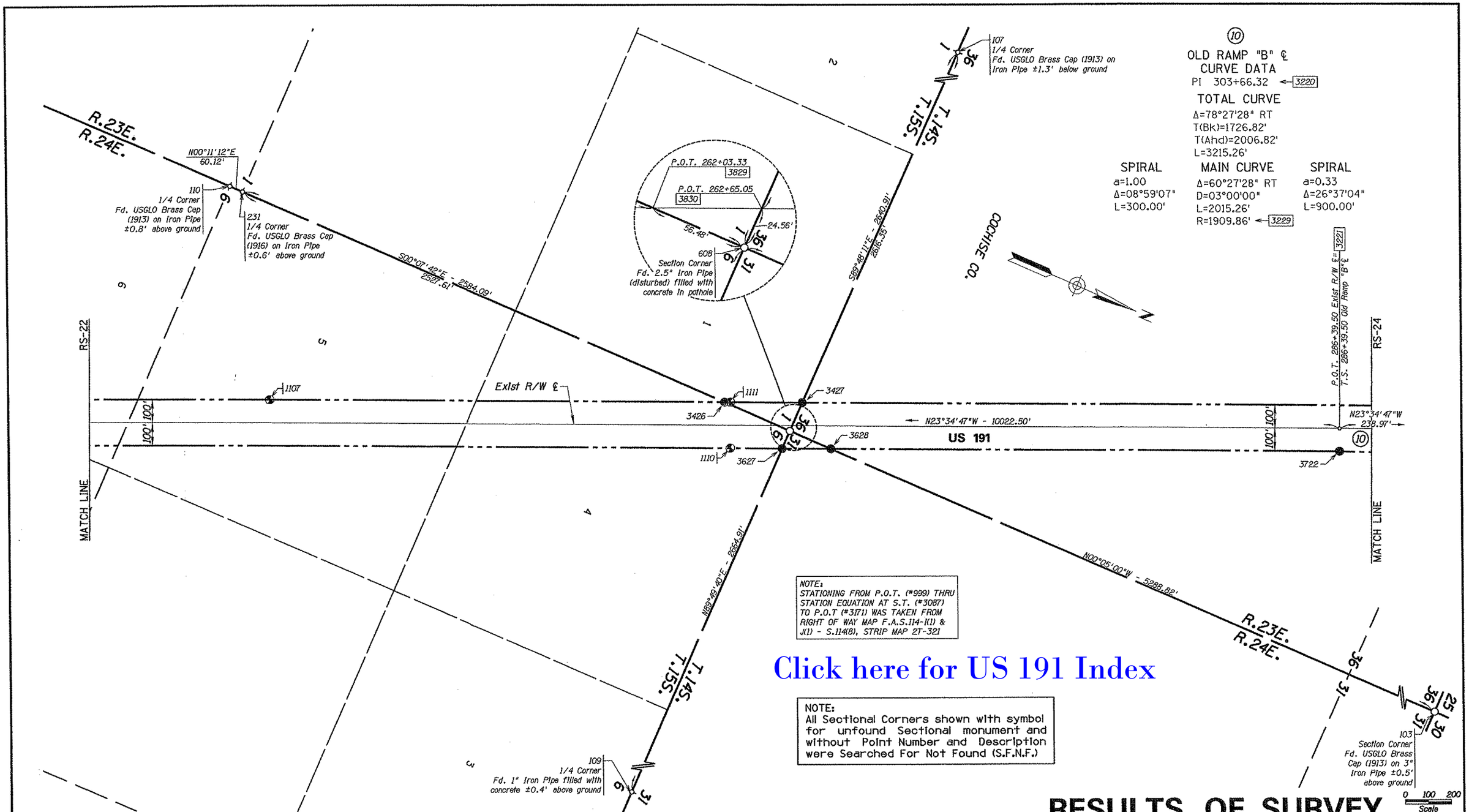
HIGHWAY NAME: DOUGLAS - WILLCOX

FEDERAL IDENTIFICATION NO.: U 191-A-704

TRACS NO. 191 CH 038 H6431 01R

REGISTERED LAND SURVEYOR CERTIFICATE NO. 21080 ROBERT J. PECHA ARIZONA, U.S.A.

SHEET RS-22



(10)

OLD RAMP "B" ℄
CURVE DATA
PI 303+66.32 ← 3220

TOTAL CURVE
Δ=78°27'28" RT
T(Bk)=1726.82'
T(Ahd)=2006.82'
L=3215.26'

SPIRAL	MAIN CURVE	SPIRAL
a=1.00	Δ=60°27'28" RT	a=0.33
Δ=08°59'07"	D=03°00'00"	Δ=26°37'04"
L=300.00'	L=2015.26'	L=900.00'
	R=1909.86' ← 3229	

NOTE:
STATIONING FROM P.O.T. (*999) THRU STATION EQUATION AT S.T. (*3087) TO P.O.T (*3171) WAS TAKEN FROM RIGHT OF WAY MAP F.A.S.114-1(1) & J(1) - S.114(8), STRIP MAP 2T-321

Click here for US 191 Index

NOTE:
All Sectional Corners shown with symbol for unfound Sectional monument and without Point Number and Description were Searched For Not Found (S.F.N.F.)

RESULTS OF SURVEY

...\191rw038.survey23

LEGEND

- 302 Set Monument
- 300 Found Monument
- New R/W monument
- 301 Calculated position
- Existing R/W monument
- Secondary Control monument

NOTE: SHEETS FROM RS-16 TO RS-24 ARE BASED ON A GRID FACTOR OF 1.0002931 (T16S R24E, T15S R24E, T15S R23E, T14S R24E, T14S R23E)

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-02-T-494
SURVEY	SEP/OCT 2003
DRAWN/DATE	IK / Feb. 04
ADOT REVIEW	F. BAKER
URS	7720 North 16th Street Suite 100 - Phoenix, AZ 85020 - 602.371.1100
ROUTE NO.:	US-191
SECTION NAME:	Jct. SR 181 - Jct. I-10

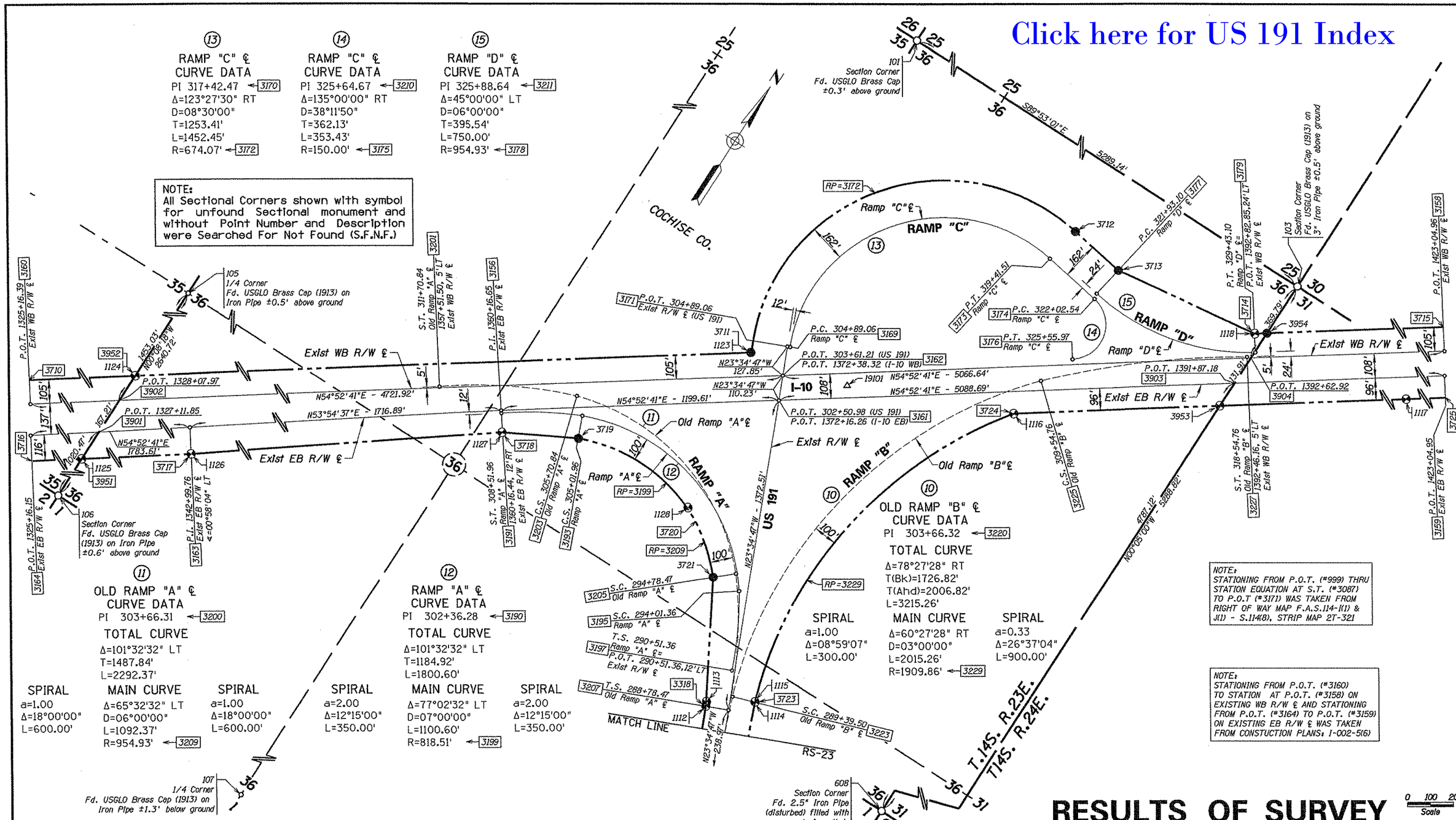
ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: DOUGLAS - WILLCOX
FEDERAL IDENTIFICATION NO.: U 191-A-704
TRACS NO. 191 CH 038 H6431 01R

REGISTERED LAND SURVEYOR 21080 ROBERT J. PECHA ARIZONA, U.S.A.

SHEET RS-23

Click here for US 191 Index



(13) RAMP "C" ℄ CURVE DATA
PI 317+42.47 ← 3170
Δ=123°27'30" RT
D=08°30'00"
T=1253.41'
L=1452.45'
R=674.07' ← 3172

(14) RAMP "C" ℄ CURVE DATA
PI 325+64.67 ← 3210
Δ=135°00'00" RT
D=38°11'50"
T=362.13'
L=353.43'
R=150.00' ← 3175

(15) RAMP "D" ℄ CURVE DATA
PI 325+88.64 ← 3211
Δ=45°00'00" LT
D=06°00'00"
T=395.54'
L=750.00'
R=954.93' ← 3178

NOTE:
All Sectional Corners shown with symbol for unfound Sectional monument and without Point Number and Description were Searched For Not Found (S.F.N.F.)

(11) OLD RAMP "A" ℄ CURVE DATA
PI 303+66.31 ← 3200
TOTAL CURVE
Δ=101°32'32" LT
T=1487.84'
L=2292.37'

SPIRAL	MAIN CURVE	SPIRAL
a=1.00	Δ=65°32'32" LT	a=1.00
Δ=18°00'00"	D=06°00'00"	Δ=18°00'00"
L=600.00'	L=1092.37'	L=600.00'
	R=954.93' ← 3209	

(12) RAMP "A" ℄ CURVE DATA
PI 302+36.28 ← 3190
TOTAL CURVE
Δ=101°32'32" LT
T=1184.92'
L=1800.60'

SPIRAL	MAIN CURVE	SPIRAL
a=2.00	Δ=77°02'32" LT	a=2.00
Δ=12°15'00"	D=07°00'00"	Δ=12°15'00"
L=350.00'	L=1100.60'	L=350.00'
	R=818.51' ← 3199	

(10) OLD RAMP "B" ℄ CURVE DATA
PI 303+66.32 ← 3220
TOTAL CURVE
Δ=78°27'28" RT
T(Bk)=1726.82'
T(Ahd)=2006.82'
L=3215.26'

SPIRAL	MAIN CURVE	SPIRAL
a=1.00	Δ=60°27'28" RT	a=0.33
Δ=08°59'07"	D=03°00'00"	Δ=26°37'04"
L=300.00'	L=2015.26'	L=900.00'
	R=1909.86' ← 3229	

NOTE:
STATIONING FROM P.O.T. (#999) THRU STATION EQUATION AT S.T. (#3087) TO P.O.T (#3171) WAS TAKEN FROM RIGHT OF WAY MAP F.A.S.114-1(1) & J(1) - S.114(8), STRIP MAP 2T-321

NOTE:
STATIONING FROM P.O.T. (#3160) TO STATION AT P.O.T. (#3158) ON EXISTING WB R/W ℄ AND STATIONING FROM P.O.T. (#3164) TO P.O.T. (#3159) ON EXISTING EB R/W ℄ WAS TAKEN FROM CONSTUCTION PLANS: I-002-5(6)

NOTE: SHEETS FROM RS-16 TO RS-24 ARE BASED ON A GRID FACTOR OF 1.0002931 (T16S R24E, T15S R24E, T15S R23E, T14S R24E, T14S R23E)

LEGEND

- 302 Set Monument
- 300 Found Monument
- New R/W monument
- 301 Calculated position
- Existing R/W monument
- Secondary Control monument

RESULTS OF SURVEY

0 100 200 Scale

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CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-02-T-494
SURVEY	SEP/OCT 2003
DRAWN/DATE	IK / Feb. 04
ADOT REVIEW	F. BAKER

URS 7720 North 16th Street Suite 100 - Phoenix, AZ 85020 - 602.371.1100

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: DOUGLAS - WILLCOX
FEDERAL IDENTIFICATION NO.: U 191-A-704
TRACS NO. 191 CH 038 H6431 01R
ROUTE NO.: US-191
SECTION NAME: Jct. SR 181 - Jct. I-10
SHEET RS-24

REGISTERED LAND SURVEYOR 21080 ROBERT J. PECHA ARIZONA U.S.A.

GENERAL NOTES

THIS RESULTS OF SURVEY WAS PREPARED IN PART FROM THE FIELD SURVEY PERFORMED BY URS CORPORATION DURING THE MONTHS OF SEPTEMBER 2003 THRU MARCH OF 2004. THE PURPOSE OF THE FIELD SURVEY WAS TO LOCATE AVAILABLE SECTION AND ONE-QUARTER CORNERS, CONTROL POINTS AND RIGHT OF WAY MONUMENTS NECESSARY TO ESTABLISH THE EXISTING R/W CORRIDOR OF US 191 FROM JUNCTION OF I-10 TO THE JUNCTION OF SR 181.

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

SYSTEM: UNITED STATES STATE PLANE 1983 (1992)
ZONE: ARIZONA EAST 0201
DATUM: NORTH AMERICAN 1983 (CONUS) EQUIVALENT TO WGS-84
GEOID MODEL: GEOID99 (CONTINENTAL US)

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

THE FOLLOWING THREE NGS STATIONS WERE USED TO ESTABLISH THE CONTROL BASELINE FOR THIS SURVEY:

CY0518 (EXIT 3) NAD 83(1992) 32 21 32.89998(N) 109 40 53.68444(W)
Grid Coordinates East Zone (meters) N 150,791.375 E 259,013.556
Grid Coordinates East Zone (feet) N 494,722.35892 E 849,782.00787

CG0849 (M 430) NAD 83(1992) 31 58 40.27343(N) 110 13 34.43653(W)
Grid Coordinates East Zone (meters) N 108,413.093 E 207,730.660
Grid Coordinates East Zone (feet) N 355,686.00066 E 681,531.03675

CF0379 (KANSAS) NAD 83(1992) 31 54 20.31156(N) 109 45 10.50717(W)
Grid Coordinates East Zone (meters) N 100,479.778 E 252,492.573
Grid Coordinates East Zone (feet) N 329,658.06430 E 828,387.70669

TO DENSIFY HORIZONTAL CONTROL, AN ADDITIONAL SIX CONTROL POINTS WERE SET BY URS WITHIN THE LIMITS OF THIS PROJECT USING STATIC GPS METHODS.

FOR PURPOSES OF THIS PROJECT THE LEICA 500 GPS SYSTEM DUAL FREQUENCY GPS RECEIVERS WERE UTILIZED FOR ALL FIELD SURVEY MEASUREMENTS.

DIRECT SATELLITE OBSERVATIONS 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 LEICA SKIPRO GPS SURVEY SOFTWARE. A GRID ADJUSTMENT FACTOR OF 1.0002931 AND SCALE ORIGIN VALUES OF N 0.000, E 0.000 WERE USED FOR THE TRANSLATION TO THE SURFACE. THE GRID ADJUSTMENT FACTOR WAS PROVIDED BY ADOT.

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

MONUMENT VERIFICATION AND ACCEPTANCE:

THE MONUMENTATION SHOWN ON THIS "RESULTS OF SURVEY" WAS BASED ON AN OBSERVATION AND EVALUATION OF PHYSICAL CORRABORATING EVIDENCE IN THE FIELD; AND A REVIEW AND ANALYSIS OF EXISTING DRAWINGS, PLATS, AND NOTES READILY AVAILABLE AT THE TIME 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.

PUBLIC INFORMATION USED

COCHISE COUNTY RECORDER'S OFFICE

SEC.	TWP.	RNG.	BOOK	PAGE	NAME
22	16S.	24E.	5	31	MAP OF SURVEY
36	16S.	24E.	10	22	RECORD OF LAND SURVEY
36	16S.	24E.	10	22A	RECORD OF LAND SURVEY
21	15S.	24E.	4	121	LA PLAYA ESTATES No. 1
21	15S.	24E.	4	121A	LA PLAYA ESTATES No. 1
21	15S.	24E.	4	121B	LA PLAYA ESTATES No. 1
21	15S.	24E.	4	121D	LA PLAYA ESTATES No. 1
28	15S.	24E.	5	12E	LA PLAYA ESTATES No. 2
29	15S.	24E.	5	12E	LA PLAYA ESTATES No. 2
33	15S.	24E.	10	80A	BOUNDARY SURVEY
33	15S.	24E.	10	80B	BOUNDARY SURVEY
1	15S.	23E.	4	26	RECORD OF SURVEY

ADOT RIGHT-OF-WAY PLANS

PROJECT #	DRAWING #	ADOT TRACS #	NAME
F.A.S. 114-I(1) & J(1)-S.114(8)	2-T-321	----	DOUGLAS-SAFFORD HWY (1942)
F.A.S. 114H	2-T-273	----	DOUGLAS-SAFFORD HWY (1940)
F.A.S. 114H(1)	-------	----	DOUGLAS-SAFFORD HWY (1941)
S-206-601	D-2-T-456	----	DOUGLAS-SAFFORD HWY (1977)
I-10-6(4)	-------	----	BENSON-STEIN PASS HWY
I-002-5(6)	-------	----	BENSON-STEIN PASS HWY (1959)
I-10-6(39)	-------	----	BENSON-STEIN PASS HWY (1963)

G.L.O. & B.L.M. PLATS

PLAT #	NAME	DATE
2190	T.16S. R.24E. G. & S.R.M.	06-14-1897
2138	T.15S. R.24E. G. & S.R.M.	05-09-1882
2137	T.15S. R.24E. G. & S.R.M.	04-25-1892
2136	T.15S. R.23E. G. & S.R.M.	07-10-1919
2063	T.14S. R.24E. G. & S.R.M.	04-13-1916
2064	T.14S. R.24E. G. & S.R.M.	05-09-1882
2062	T.14S. R.23E. G. & S.R.M.	06-28-1915

G.L.O. & B.L.M. FIELD NOTES

BOOK	PAGES
1492	31-33
864	4-27, 29-34, 42-60
1537	4-18, 57-59
865	126-136, 162-164
1597	60
856	67-90, 101-115
1574	21-25
1492	2-5
820	1-47
1590	17-20
2720	44-45
2721	2
3007	9-11
3607	127-128
817	77-79, 81-82
1590	18-20
2674	3-4
2675	7
2720	19-21

SECTION MONUMENTATION

PT.	NORTHING	EASTING	DESCRIPTION
101	429701.37051	763763.96226	USGLO BRASS CAP
103	429690.62000	769053.08700	USGLO BRASS CAP
105	427060.19700	763770.42200	USGLO BRASS CAP
106	424419.48900	763776.80000	USGLO BRASS CAP
107	424410.87800	766419.88800	USGLO BRASS CAP
109	424409.81800	771725.67800	USGLO 1" IRON PIPE
110	421757.59800	769066.37300	USGLO BRASS CAP
111	419182.82200	769070.48200	USGLO BRASS CAP
112	419116.50600	769070.34700	USGLO BRASS CAP
122	411196.17300	779665.14100	2" IRON PIPE
123	408584.02900	777015.80500	IRON CAP
124	408581.38700	779664.28700	METAL BEAM
127	403341.58200	779668.74900	1/2" REBAR
128	403274.79700	777018.93300	1 1/2" BC IN 2" IP
130	397993.52300	777020.27200	1/2" REBAR WITH CAP
131	397989.18900	779673.40400	1/2" REBAR WITH CAP
132	397985.80700	782316.11900	4" X4" METAL PLATE ON IP
133	395393.74900	779688.97800	2" ALUM. CAP
134	392798.73000	779704.44700	1" IP WITH CAP
137	392812.54100	783231.89300	AC ON 2" IP
138	392820.42300	784989.72800	AC ON 1" IP
139	392824.35800	785880.56300	AC ON 2" IP
140	390236.68300	783246.29400	AC ON 2" IP
141	387594.33200	783258.57200	5/8" REBAR WITH AC
142	387601.52700	785906.08600	AC ON 1" IP
143	387608.80500	788553.73700	AC ON REBAR
144	384964.25100	788565.18800	AC ON 1" IP
145	384953.80000	783271.61600	WO AC ON 2" IP
146	382313.92900	783283.56800	1/2" REBAR WITH CAP
148	382317.02000	788576.31800	2" AC ON 1" IP
149	382328.23500	791218.38200	2" AC ON 1" IP
151	377034.94600	785953.03400	1/2" REBAR
152	377040.29800	788597.03800	1/2" IRON PIPE
154	374413.29100	793900.44300	1/2" IRON PIPE
155	374399.70100	788610.32000	LEAD CAP ON 5/8" REBAR
156	371758.90600	788623.67000	1/2" REBAR WITH CAP
157	371761.61800	791266.50500	1/2" REBAR
158	371764.09100	793908.82200	LEAD CAP ON 5/8" REBAR
159	369122.85500	793923.04600	1/2" IRON PIPE
160	366471.94800	791292.66800	1/2" REBAR
161	366481.37600	793935.56300	1 1/2" BRASS CAP
162	366488.74100	796583.28200	LEAD CAP ON 1 1/2" IP
165	361202.42800	796611.64000	AC ON 1/2" REBAR
166	361210.35700	799257.27800	USGLO BRASS CAP
231	421817.72100	769066.56900	USGLO BRASS CAP
232	413892.05400	769078.19400	USGLO BRASS CAP
233	413832.79800	769078.57700	USGLO BRASS CAP
234	408556.88300	774368.11200	HUB & TACK IN 3" IP
235	408608.18500	769086.74700	USGLO BRASS CAP
236	408548.36800	769086.87100	USGLO BRASS CAP
237	411199.25700	774366.88700	2" IRON PIPE
240	377053.19700	793885.79000	STONE
248	379695.89700	793873.37600	4" X4" WOODEN POST
249	382339.36300	793861.16600	AC ON 1" IP
250	361204.03321	791322.58722	1" IRON PIPE
464	361203.23050	793967.44210	SET 2" ALUM. CAP
536	392808.66000	782347.24900	1" IP WITH CAP
608	424401.80400	769060.78300	USGLO 2 1/2" IP

RESULTS OF SURVEY

...\191rw038.survey25

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-02-T-494
SURVEY	SEP/OCT 2003
DRAWN/DATE	IK / Feb. 04
ADOT REVIEW	F. BAKER

URS 7720 North 16th Street Suite 100 - Phoenix, AZ 85020 - 602.371.1100

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: DOUGLAS - WILLCOX
FEDERAL IDENTIFICATION NO.: U 191-A-704
TRACS NO. 191 CH 038 H6431 01R

ROUTE NO.: US-191
SECTION NAME: Jct. SR 181 - Jct. I-10

REGISTERED LAND SURVEYOR CERTIFICATE NO. 21080 ROBERT J. FECHA ARIZONA, U.S.A.

SHEET RS-25

Click here for US 191 Index

EXISTING R/W LINE

THE FOLLOWING LIST OF POINTS REPRESENTS THE EXISTING RIGHT OF WAY LINE AS DETERMINED BY AN ANALYSIS OF MONUMENTATION FOUND DURING THE COURSE OF THIS SURVEY AND FOLLOWING EXISTING DOCUMENTATION:

1) R/W PROJECTS STRIP MAPS: 2-T-321, 2-T-273, I-10-6(4), I-002-5(6)
2) CONSTRUCTION PROJECTS: I-10-6(39)
3) THE MOST CURRENT B.L.M. MAPS AND NOTES

BASED ON EXISTING US 191 R/W ℄

LEFT SIDE			RIGHT SIDE		
PT	STATION	OFFSET	PT	STATION	OFFSET
3333	POT 2804+18.24	50.00' LT	3533	POT 2803+75.09	50.00' RT
3413	POT 2861+66.45	50.00' LT	3613	POT 2861+23.72	50.00' RT
3414	POT 2919+17.01	50.00' LT	3614	POT 2862+54.16	50.00' RT
3416	POT 2947+94.63	50.00' LT	3615	POT 2918+74.01	50.00' RT
3705	POT 2976+12.51	50.00' LT	3617	POT 2947+51.82	50.00' RT
3704	POT 2977+21.29	50.00' LT	3332	POT 2976+24.08	50.00' RT
3331	POT 2995+23.00	50.00' LT	3531	POT 2997+57.49	50.00' RT
3417	POT 3034+10.16	50.00' LT	3618	POT 3033+67.12	50.00' RT
3418	POT 3062+88.16	50.00' LT	3619	POT 3062+45.29	50.00' RT
3419	POT 3091+62.42	50.00' LT	3620	POT 3091+19.63	50.00' RT
3420	POT 3130+35.23	50.00' LT	3621	POT 3132+70.81	50.00' RT
3421	POT 3148+37.01	50.00' LT	3622	POT 3147+94.42	50.00' RT
3422	POT 3152+99.75	50.00' LT	3623	POT 3155+35.60	50.00' RT
3423	POT 3204+76.70	50.00' LT	3624	POT 3204+33.43	50.00' RT
3424	POT 3220+50.69	50.00' LT	3625	POT 3222+83.21	50.00' RT
3302	TS 3244+25.30	50.00' LT	3502	TS 3244+25.30	50.00' RT
3303	SC 3250+25.30	50.00' LT	3503	SC 3250+25.30	50.00' RT
3089	Radius Pt	--------	3089	Radius Pt	--------
3425	POC 3261+50.80	50.00' LT	3626	POC 3261+62.64	50.00' RT
3089	Radius Pt	--------	3089	Radius Pt	--------
3304	CS 3263+27.72	50.00' LT	3504	CS 3263+27.72	50.00' RT
3305	ST 3269+27.72	50.00' LT	3505	ST 3269+27.72	50.00' RT
---	---	---	---	---	---
3305	ST 4+73.50	50.00' LT	3505	ST 4+73.50	50.00' RT
3330	POT 48+69.19	50.00' LT	3530	POT 44+90.07	50.00' RT
3350	POT 51+27.94	50.00' LT	3550	POT 51+51.46	50.00' RT
3351	POT 51+16.17	100.00' LT	3551	POT 51+63.22	100.00' RT
3306	TS 60+78.72	100.00' LT	3506	TS 60+78.72	100.00' RT
3307	SC 66+78.72	100.00' LT	3507	SC 66+78.72	100.00' RT
3099	Radius Pt	---------	3099	Radius Pt	---------
3308	CS 83+30.54	100.00' LT	3508	CS 83+30.54	100.00' RT
3309	ST 89+30.54	100.00' LT	3509	ST 89+30.54	100.00' RT
3310	TS 97+54.41	100.00' LT	3510	TS 97+54.41	100.00' RT
3311	SC 102+04.41	100.00' LT	3511	SC 102+04.41	100.00' RT
3109	Radius Pt	---------	3109	Radius Pt	---------
3312	CS 121+71.73	100.00' LT	3512	CS 121+71.73	100.00' RT
3313	ST 126+21.73	100.00' LT	3513	ST 126+21.73	100.00' RT
3314	TS 145+26.67	100.00' LT	3514	TS 145+26.67	100.00' RT
3315	SC 149+76.67	100.00' LT	3515	SC 149+76.67	100.00' RT
3119	Radius Pt	---------	3119	Radius Pt	---------
3316	CS 181+67.00	100.00' LT	3516	CS 181+67.00	100.00' RT
3317	ST 186+17.00	100.00' LT	3517	ST 186+17.00	100.00' RT
3426	POT 259+72.81	100.00' LT	3627	POT 262+21.58	100.00' RT
3427	POT 263+09.10	100.00' LT	3628	POT 264+33.46	100.00' RT
3318	POT 288+78.47	100.00' LT	3722	POT 286+39.50	100.00' RT
3721	POT 294+41.68	157.50' LT	3723	POT 289+31.47	107.54' RT
3209	Radius Pt	---------	3229	Radius Pt	---------
3720	POT 296+70.23	271.93' LT	3724	POT 303+59.60	1011.68' RT
3199	Radius Pt	---------			
3719	POT 299+44.56	827.86' LT			
3718	POT 299+16.90	1156.14' LT			

BASED ON EXISTING DRAGOON ROAD R/W ℄

LEFT SIDE			RIGHT SIDE		
PT	STATION	OFFSET	PT	STATION	OFFSET
3705	POT 100+32.98	50.00' LT	3704	POT 100+75.80	50.00' RT
3703	POT 107+82.49	50.00' LT	3702	POT 107+82.49	50.00' RT

BASED ON EXISTING I-10 WB R/W ℄

LEFT SIDE			RIGHT SIDE		
PT	STATION	OFFSET	PT	STATION	OFFSET
3710	POT 1325+16.40	105.00' LT			
3952	POT 1328+81.44	105.00' LT			
3711	POT 1371+08.26	105.00' LT			
3712	POT 1385+27.29	579.18' LT			
3713	POT 1387+05.19	401.27' LT			
3714	POT 1392+82.84	105.00' LT			
3954	POT 1393+36.55	105.00' LT			
3715	POT 1423+04.96	105.00' LT			

BASED ON EXISTING I-10 EB R/W ℄

LEFT SIDE			RIGHT SIDE		
PT	STATION	OFFSET	PT	STATION	OFFSET
			3716	POT 1325+16.49	116.00' RT
			3951	POT 1326+30.67	116.00' RT
			3717	POT 1342+99.76	116.00' RT
			3718	POT 1360+15.03	95.99' RT
			3724	POT 1382+29.21	96.00' RT
			3953	POT 1391+19.87	96.00' RT
			3725	POT 1423+04.95	96.00' RT

URS CONTROL POINTS

PT	NORTHING	EASTING	DESCRIPTION
1	434217.95706	776126.19513	URS CONTROL POINT "URS RTK 1"
2	425434.47852	763636.79343	URS CONTROL POINT "URS RTK 2"
3	392735.36342	774505.78135	URS CONTROL POINT "URS RTK 3"
4	387016.44820	789851.19444	URS CONTROL POINT "URS RTK 4"
6	361150.32214	786061.21352	URS CONTROL POINT "URS RTK 6"
7	361212.57792	807034.27690	URS CONTROL POINT "URS RTK 7"
9901	494867.36205	850031.07898	NGS BM "EXIT 3 1974"
9902	355790.25222	681730.79349	NGS BM "M 430 1979"
9903	329754.68708	828630.50713	NGS BM "KANSAS 1982"

RESULTS OF SURVEY

...\191rw038.survey26

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-02-T-494
SURVEY	SEP/OCT 2003
DRAWN/DATE	IK / Feb. 04
ADOT REVIEW	F. BAKER

URS 1720 North 16th Street Suite 100 - Phoenix, AZ 85020 - 602.371.1100

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: DOUGLAS - WILLCOX

FEDERAL IDENTIFICATION NO.: U 191-A-704

TRACS NO. 191 CH 038 H6431 01R

ROUTE NO.: US-191

SECTION NAME: Jct. SR 181 - Jct. I-10

SHEET RS-26

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EXISTING ADOT R/W MONUMENTATION

PT	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET	PT	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
1089	412548.53100	779334.69600	ADOT RAILROAD RAIL	POT 93+77.56	100.76' LT	1148	375043.97700	790187.00100	ADOT RAILROAD RAIL	POT 2954+90.84	49.54' LT
1090	412749.58300	779450.31300	ADOT RAILROAD RAIL	POT 94+92.79	100.52' RT	1153	377196.77300	789368.41100	ADOT RAILROAD RAIL	POT 2977+91.82	50.99' RT
1091	413434.11800	779025.73100	ADOT RAILROAD RAIL	POC 102+88.07	99.36' RT	1154	384269.46900	786318.72900	ADOT RAILROAD RAIL	POT 3054+94.00	50.37' RT
1092	415125.53100	774713.77700	ADOT RAILROAD RAIL	POC 149+76.74	100.16' RT	1159	388310.88100	784576.30800	ADOT RAILROAD RAIL	POT 3098+95.03	50.20' RT
1093	414932.55000	774661.44500	ADOT RAILROAD RAIL	POC 149+76.68	99.80' LT	1160	388271.11900	784484.68500	ADOT RAILROAD RAIL	POT 3098+94.79	49.67' LT
1094	414502.28700	777542.99200	ADOT RAILROAD RAIL	POC 120+83.78	98.47' RT	1162	379401.11200	788417.95100	ADOT RAILROAD RAIL	POT 3001+92.34	50.83' RT
1095	414311.85000	777481.79400	ADOT RAILROAD RAIL	POC 120+83.06	101.56' LT	1163	379361.53000	788326.02900	ADOT RAILROAD RAIL	POT 3001+92.38	49.25' LT
1098	417029.59700	772372.82300	ADOT RAILROAD RAIL	Ahd PI 1754.41	108.89' RT	1164	381789.64700	787387.98900	ADOT RAILROAD RAIL	POT 3027+93.48	50.58' RT
1099	416938.96900	772194.61500	ADOT RAILROAD RAIL	Ahd PI 1742.64	90.69' LT	1165	381750.04700	787296.14400	ADOT RAILROAD RAIL	POT 3027+93.47	49.44' LT
1101	418699.89300	771634.14700	ADOT RAILROAD RAIL	POT 199+99.91	100.06' RT	2056	390423.97100	783665.82100	ADOT RAILROAD RAIL	POT 3121+95.93	50.62' RT
1102	418619.93300	771450.71500	ADOT RAILROAD RAIL	POT 200+00.00	100.04' LT	2059	392536.52600	782755.18000	ADOT RAILROAD RAIL	POT 3144+96.40	50.69' RT
1107	422285.71900	769850.83200	ADOT RAILROAD RAIL	POT 239+99.70	99.93' LT	2062	394832.90600	781764.81500	ADOT RAILROAD RAIL	POT 3169+97.24	50.32' RT
1108	420452.95100	770651.06800	ADOT RAILROAD RAIL	POT 219+99.85	99.67' LT	2065	397129.39200	780774.58200	ADOT RAILROAD RAIL	POT 3194+98.12	50.11' RT
1109	420532.64900	770834.15400	ADOT RAILROAD RAIL	POT 219+99.65	100.01' RT	2068	397089.62500	780682.52700	ADOT RAILROAD RAIL	POT 3194+98.04	50.17' LT
1110	424196.80900	769234.72700	ADOT RAILROAD RAIL	POT 259+97.68	99.89' RT	2069	394793.19100	781673.06500	ADOT RAILROAD RAIL	POT 3169+97.09	49.66' LT
1111	424116.85100	769051.64600	ADOT RAILROAD RAIL	POT 259+97.64	99.89' LT	2072	399426.01300	779784.30300	ADOT RAILROAD RAIL	POT 3219+99.14	49.91' RT
1112	426757.83600	767898.81900	ADOT RAILROAD RAIL	POT 288+79.27	99.99' LT	2073	399386.10700	779692.67200	ADOT RAILROAD RAIL	POT 3219+98.77	50.03' LT
1113	426776.41100	767890.77300	ADOT RAILROAD RAIL	POT 288+99.52	99.93' LT	2076	401653.26100	778824.12900	ADOT RAILROAD RAIL	POST3244+24.54	49.90' RT
1114	426889.79000	768068.00700	ADOT RAILROAD RAIL	POT 289+32.53	107.86' RT	2077	401613.12600	778732.76200	ADOT RAILROAD RAIL	POT 3244+23.86	49.90' LT
1116	428558.52100	768325.05400	ADOT ANGLE IRON	POT 1382+28.43 C	96.35' RT	2078	403472.22300	778512.60200	ADOT RAILROAD RAIL	POC 3263+27.05	50.05' RT
1117	430748.85300	771438.52100	ADOT ANGLE IRON	POT 1420+35.16 C	96.05' RT	2079	403487.37400	778413.73700	ADOT RAILROAD RAIL	POC 3263+27.05	49.96' LT
1118	429418.94800	769010.72400	ADOT ANGLE IRON	POT 1392+84.28 B	104.94' LT	2080	404051.84000	778643.51100	ADOT RAILROAD RAIL	Ahd PI 1288.56	50.03' RT
1123	428165.44200	767227.98700	ADOT ANGLE IRON	POT 304+37.70	151.73' LT=	2081	404077.25800	778546.73100	ADOT RAILROAD RAIL	Ahd PI 1288.54	50.03' LT
				POT 1371+04.96 B	105.30' LT	2082	406011.47800	779158.63200	ADOT RAILROAD RAIL	POT 24+98.79	50.03' RT
1124	425735.38100	763773.51600	AHD BC IN CONCRETE	POT 1328+81.39 B	105.10' LT	2083	406036.92300	779061.96200	ADOT RAILROAD RAIL	POT 24+98.83	49.93' LT
1125	425298.34200	763774.74200	AHD BC IN CONCRETE	POT 1326+30.71 C	116.07' RT	2084	407931.20900	779663.34500	ADOT RAILROAD RAIL	POT 44+83.76	50.12' RT
1126	426258.35100	765139.59600	ADOT ANGLE IRON	POT 1342+99.37 C	116.07' RT	2085	408576.52300	779832.87300	ADOT RAILROAD RAIL	POT 51+50.97	50.02' RT
1127	427285.98700	766515.71800	ADOT ANGLE IRON	POT 1360+14.78 C	96.23' RT	2086	408575.66300	779884.12500	ADOT RAILROAD RAIL	POT 51+63.17	99.81' RT
1128	427447.05200	767364.57500	ADOT ANGLE IRON	POT 297+24.65	313.92' LT	2088	408579.98300	779678.57500	ADOT RAILROAD RAIL	POT 51+15.09	100.09' LT
1130	363143.70100	795425.25400	ADOT RAILROAD RAIL	POT 2824+89.07	49.73' RT	2089	409461.04700	780117.01900	ADOT RAILROAD RAIL	POT 60+78.67	99.96' RT
1133	365439.39000	794435.93600	ADOT RAILROAD RAIL	POT 2849+88.86	50.04' RT	2090	409511.85300	779923.66200	ADOT RAILROAD RAIL	POT 60+78.65	99.96' LT
1134	365399.84300	794343.90800	ADOT RAILROAD RAIL	POT 2849+88.98	50.12' LT	2091	410056.44400	780251.34000	ADOT RAILROAD RAIL	POC 66+78.86	99.99' RT
1137	367735.51900	793446.15300	ADOT RAILROAD RAIL	POT 2874+89.24	50.11' RT	2092	410086.69700	780053.82600	ADOT RAILROAD RAIL	POC 66+78.80	99.82' LT
1138	367695.93600	793354.16100	ADOT RAILROAD RAIL	POT 2874+89.30	50.04' LT	2093	411724.58600	780023.59100	ADOT RAILROAD RAIL	POC 83+28.42	99.88' RT
1140	369480.49800	792694.05400	ADOT RAILROAD RAIL	POT 2893+89.39	50.25' RT	2094	412262.68100	779734.88900	ADOT RAILROAD RAIL	Ahd PI 1488.04	100.48' RT
1141	369440.88900	792602.16800	ADOT RAILROAD RAIL	POT 2893+89.40	49.81' LT	2095	412408.45600	779649.52600	ADOT RAILROAD RAIL	POT 90+97.75	100.35' RT
1143	371042.05300	792021.19100	ADOT RAILROAD RAIL	POT 2910+89.75	50.54' RT	2098	411642.16800	779841.37600	ADOT RAILROAD RAIL	POC 83+28.16	100.11' LT
1144	371002.37100	791929.36900	ADOT RAILROAD RAIL	POT 2910+89.66	49.49' LT	2099	412160.93100	779561.58500	ADOT RAILROAD RAIL	Ahd PI 1487.66	100.48' LT
1145	373062.53400	791150.31400	ADOT RAILROAD RAIL	POT 2932+89.92	50.67' RT	2100	412307.27800	779476.18700	ADOT RAILROAD RAIL	POT 90+97.88	100.35' LT
1146	373023.06500	791058.23200	ADOT RAILROAD RAIL	POT 2932+90.13	49.51' LT	3953	429071.67246	769053.98766	AHD BC IN CONCRETE	POT 1391+19.87	96.00' RT
1147	375083.85000	790278.77900	ADOT RAILROAD RAIL	POT 2954+91.12	50.53' RT						

EXISTING MISCELLANEOUS R/W MONUMENTATION

PT	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET	PT	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
1100	417691.27800	771856.97700	5/8" REBAR	POT 189+86.37	99.19' LT	1157	387598.69100	784883.50600	2" ALUM CAP (RLS#14975)	POT 3091+19.41	50.37' RT
1115	426891.03400	768067.53800	1/2" GALV. PIPE	POT 289+33.86	107.92' RT	1158	387603.78300	784880.36500	2" ALUM CAP	POT 3091+25.33	49.50' RT
1129	362807.93400	795570.16800	1/2" REBAR (RLS#19315)	POT 2821+23.37	49.88' RT	1161	379045.81000	788571.34200	1" REBAR	POT 2998+05.34	51.03' RT
1131	363324.60400	795347.54400	1/2" REBAR (RLS#16116)	POT 2826+85.96	49.98' RT	1166	389807.55100	783931.12400	1" IRON PIPE	POT 3115+24.84	50.23' RT
1132	363841.65700	795124.86600	1/2" REBAR (RLS#19315)	POT 2832+48.92	50.18' RT	2057	390602.84200	783588.95600	1/2" IR. PIPE(RLS#14975)	POT 3123+90.62	50.85' RT
1135	366481.79500	793986.37100	1/2" REBAR	POT 2861+24.08	49.87' RT	2058	390995.36400	783419.54300	5/8" REBAR (RLS#14975)	POT 3128+18.14	50.67' RT
1136	367088.60500	793724.79500	1/2" REBAR	POT 2867+84.86	49.89' RT	2060	392808.58700	782637.51100	1" IRON PIPE	POT 3147+92.82	50.34' RT
1139	368048.67500	793311.05900	1/2" REBAR (RLS#13178)	POT 2878+30.29	50.02' RT	2061	394101.85300	782080.46400	1/2" REBAR (RLS#14975)	POT 3162+00.95	50.77' RT
1142	369705.26900	792597.28300	1/2" REBAR (RLS#13178)	POT 2896+34.11	50.36' RT	2063	396084.04400	781225.27900	1/2" REBAR (PE#1789)	POT 3183+59.75	50.16' RT
1149	375667.45800	789918.64500	REBAR (RLS#28737)	POT 2961+69.62	49.15' LT	2064	396598.44600	781003.58200	1/2" REBAR (PE#1789)	POT 3189+19.89	50.21' RT
1150	375904.96500	789924.99100	REBAR (RLS#14171)	POT 2963+85.21	50.70' RT	2066	397370.09100	780671.04400	1/2" REBAR (RLS#9086)	POT 3197+60.14	50.32' RT
1151	377041.90800	789434.92100	REBAR (RLS#14171)	POT 2976+23.28	50.76' RT	2067	397987.45300	780404.54900	5/8" REBAR (PE#4781)	POT 3204+32.57	49.99' RT
1152	376991.58400	789347.77100	REBAR (RLS#28737)	POT 2976+11.57	49.19' LT=	2070	399285.90200	779844.95100	1" IRON PIPE	POT 3218+46.47	50.14' RT
				POT 100+31.87 A	50.54' LT	2071	399403.03100	779794.27600	1/2" REBAR (RLS#17565)	POT 3219+74.09	49.97' RT
1155	385862.44200	785631.76100	1/2" REBAR	POT 3072+28.79	50.15' RT	2074	400612.61600	779272.95200	1/2" REBAR (RLS#17565)	POT 3232+91.23	50.08' RT
1156	386279.34100	785452.39700	2" ALUM CAP (RLS#14975)	POT 3076+82.64	50.48' RT	2075	400611.81400	779164.77600	1/2" REBAR (RLS#17565)	POT 3233+33.32	49.57' LT

All Stations and Offsets are based from Existing US 191 R/W ℄ unless as noted.
A - Based from Existing Dragoon Rd R/W ℄
B - Based from Existing WB I-10 R/W ℄
C - Based from Existing EB I-10 R/W ℄

RESULTS OF SURVEY

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CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-02-T-494
SURVEY	SEP/OCT 2003
DRAWN/DATE	IK / Feb. 04
ADOT REVIEW	F. BAKER

URS 7720 North 16th Street Suite 100 - Phoenix, AZ 85020 - 602.371.1100

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: DOUGLAS - WILLCOX

FEDERAL IDENTIFICATION NO.: U 191-A-704

TRACS NO. 191 CH 038 H6431 01R

ROUTE NO.: US-191

SECTION NAME: Jct. SR 181 - Jct. I-10

REGISTERED LAND SURVEYOR 21080 ROBERT J. PECHA ARIZONA, U.S.A.

SHEET RS-27

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CALCULATED POINTS

PT	NORTHING	EASTING	DESCRIPTION	PT	NORTHING	EASTING	DESCRIPTION	PT	NORTHING	EASTING	DESCRIPTION	PT	NORTHING	EASTING	DESCRIPTION
999	361202.55053	796207.92416	(C)	3199	426780.98484	767084.84759	(C)	3424	399433.79758	779672.14762	(C)	3715	431156.85172	771481.38767	(C)
3080	402818.33363	778267.53671	(C)	3200	428160.71463	767395.60468	(C)	3425	403309.40331	778392.00110	(C)	3716	425232.68950	763681.28569	(C)
3081	401634.20324	778778.01030	(C)	3201	427304.73151	766178.65589	(C)	3426	424094.05299	769061.47208	(C)	3717	426258.63307	765139.86765	(C)
3083	402192.86624	778559.96241	(C)	3203	427595.50062	766700.48623	(C)	3427	424402.26385	768926.94714	(C)	3718	427286.33274	766515.77521	(C)
3085	403480.47222	778463.22713	(C)	3205	427316.64460	767695.94171	(C)	3502	401653.99708	778823.92548	(C)	3719	427443.00354	766805.58158	(C)
3087	404065.44330	778595.35607	(C)	3207	426797.10276	767990.78040	(C)	3503	402207.75220	778607.69508	(C)	3720	427413.97065	767424.82880	(C)
3089	403045.76914	781294.84312	(C)	3209	426682.89323	766981.62395	(C)	3504	403472.88522	778512.64816	(C)	3721	427250.27831	767621.13853	(C)
3090	410927.31472	780399.09115	(C)	3210	429104.82369	768704.85147	(C)	3505	404052.73196	778643.71330	(C)	3722	426618.08429	768178.02761	(C)
3091	409486.50074	780020.35384	(C)	3211	429124.35536	768732.58482	(C)	3506	409461.07805	780117.06830	(C)	3723	426888.69208	768068.14468	(C)
3093	410071.47181	780152.48285	(C)	3220	428160.71463	767395.60468	(C)	3507	410056.29780	780251.32489	(C)	3724	428559.26061	768325.49317	(C)
3095	411685.46921	779931.66787	(C)	3221	426578.08162	768086.37726	(C)	3508	411726.63434	780022.80201	(C)	3725	430904.10872	771659.15711	(C)
3097	412213.45456	779647.27254	(C)	3223	426856.00352	767973.63829	(C)	3509	412263.92018	779733.60458	(C)	3801	408133.38225	779664.66850	(C)
3099	410506.17525	777320.86691	(C)	3225	428742.76958	768345.48444	(C)	3510	412975.18664	779317.83192	(C)	3814	366481.36418	793932.25000	(C)
3100	414228.78337	778469.20539	(C)	3227	429315.27778	769037.03749	(C)	3511	413364.11602	779076.62402	(C)	3815	371761.98235	791655.79792	(C)
3101	412924.72103	779231.49987	(C)	3229	427480.30889	769778.57746	(C)	3512	414530.56388	777456.51810	(C)	3817	374404.59806	790516.57751	(C)
3103	413307.09508	778994.47409	(C)	3250	377042.20642	789379.51574	(C)	3513	414635.94811	777011.16249	(C)	3819	378873.99921	788589.83764	(C)
3105	414434.56930	777428.49955	(C)	3302	401614.40940	778732.09512	(C)	3514	415025.98477	775146.58250	(C)	3820	382316.16129	787105.93618	(C)
3107	414538.06669	776990.68745	(C)	3303	402177.98028	778512.22974	(C)	3515	415125.36218	774713.80465	(C)	3821	384959.12059	785966.56764	(C)
3109	411657.52799	776617.94659	(C)	3304	403488.05922	778413.80611	(C)	3516	417029.00679	772372.82759	(C)	3822	387598.59905	784828.69969	(C)
3110	415378.11204	772974.84173	(C)	3305	404078.15465	778546.99884	(C)	3517	417432.42950	772187.29471	(C)	3823	391282.82558	783240.44527	(C)
3111	414928.10335	775126.10746	(C)	3306	409511.92343	779923.63938	(C)	3530	407937.34264	779664.83544	(C)	3824	392809.69084	782582.22014	(C)
3113	415028.85593	774687.60265	(C)	3307	410086.64582	780053.64081	(C)	3531	379001.46214	788589.33714	(C)	3825	393362.47100	782343.91895	(C)
3115	416983.67765	772283.69134	(C)	3308	411644.30409	779840.53372	(C)	3533	361202.53400	796262.37950	(C)	3826	397988.32347	780349.73359	(C)
3117	417392.42683	772095.64437	(C)	3309	412162.98894	779560.94050	(C)	3550	408576.99477	779832.97658	(C)	3827	399560.35482	779672.03755	(C)
3119	418715.12303	775688.44499	(C)	3310	412874.25541	779145.16783	(C)	3551	408575.65783	779884.32372	(C)	3828	403310.67173	778442.32801	(C)
3156	427364.85394	766460.54460	(C)	3311	413250.07414	778912.32415	(C)	3613	366481.51806	793986.63188	(C)	3829	424345.32533	769060.90946	(C)
3158	431070.96915	771541.79615	(C)	3312	414338.57471	777400.48099	(C)	3614	366601.29923	793934.99473	(C)	3830	424401.88839	769036.22135	(C)
3159	430982.62992	771603.92650	(C)	3313	414440.18527	776970.21242	(C)	3615	371762.03329	791710.22418	(C)	3832	408578.33171	779781.62943	(C)
3160	425439.42745	763535.44921	(C)	3314	414830.22193	775105.63243	(C)	3617	374404.73778	790570.96550	(C)	3901	425439.96010	763774.33530	(C)
3161	428055.01221	767441.74067	(C)	3315	414932.34969	774661.40066	(C)	3618	382316.19308	787160.37070	(C)	3902	425607.17219	763773.93143	(C)
3162	428156.03753	767397.64610	(C)	3316	416938.34852	772194.55510	(C)	3619	384959.22800	786020.96956	(C)	3903	429188.92202	769053.81704	(C)
3163	426353.51286	765073.13067	(C)	3317	417352.42415	772003.99402	(C)	3620	387598.74685	784883.08419	(C)	3904	429320.82778	769053.62510	(C)
3164	425327.37115	763614.26790	(C)	3318	426757.10009	767899.13005	(C)	3621	391410.78699	783239.72987	(C)	3951	425298.37907	763774.67725	(C)
3169	428278.01368	767357.50035	(C)	3330	408329.42185	779664.50156	(C)	3622	392809.92925	782636.56558	(C)	3952	425735.32744	763773.62191	(C)
3170	429426.76706	766856.10342	(C)	3331	378746.53628	788590.33815	(C)	3623	393490.55951	782343.14876	(C)	3953	429071.67246	769053.98766	(C)
3171	428273.21336	767346.50231	(C)	3332	377042.33908	789433.90677	(C)	3624	397988.25375	780404.21187	(C)	3954	429449.06949	769053.43849	(C)
3172	428547.65888	767975.28601	(C)	3333	361202.56705	796153.46881	(C)	3625	399686.91206	779671.92748	(C)	6010	362930.59154	795408.52479	(C)
3173	429211.73302	768090.92856	(C)	3350	408579.66866	779730.28229	(C)	3626	403311.94046	778492.66722	(C)	6011	364950.85953	794537.59583	(C)
3174	429166.95086	768348.08847	(C)	3351	408581.00560	779678.93515	(C)	3627	424402.05804	769145.25764	(C)	6012	383867.91435	786382.53380	(C)
3175	429019.17480	768322.35456	(C)	3413	366481.17025	793877.88538	(C)	3628	424596.24662	769060.50006	(C)	6013	385704.52162	785590.78020	(C)
3176	428896.48471	768408.65139	(C)	3414	371761.93141	791601.37166	(C)	3702	377090.29788	788596.92642	(C)	6014	426538.08030	767994.72632	(C)
3177	429192.21455	768342.90586	(C)	3416	374404.45834	790462.18952	(C)	3703	376990.29812	788597.14958	(C)	6210	362970.17922	795500.35515	(C)
3178	430132.98621	768506.73304	(C)	3417	382316.12950	787051.50166	(C)	3704	377092.02140	789303.59249	(C)	6211	364990.44721	794629.42620	(C)
3179	429351.91688	769056.11574	(C)	3418	384959.01319	785912.16572	(C)	3705	376992.12613	789346.65691	(C)	6212	383907.50203	786474.36416	(C)
3190	428036.74086	767436.62233	(C)	3419	387598.45125	784774.31518	(C)	3710	425525.31002	763475.04073	(C)	6213	385744.10930	785682.61057	(C)
3191	427355.03364	766467.44111	(C)	3420	391154.86416	783241.16067	(C)	3711	428167.09180	767230.85443	(C)				
3193	427535.14110	766766.71426	(C)	3421	392809.45242	782527.87470	(C)	3712	429371.33117	768118.72119	(C)				
3195	427260.12378	767748.46371	(C)	3422	393234.38249	782344.68915	(C)	3713	429328.16853	768366.58106	(C)				
3197	426950.75608	767910.62026	(C)	3423	397988.39319	780295.25531	(C)	3714	429418.16952	769009.51545	(C)				

RESULTS OF SURVEY

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CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-02-T-494
SURVEY	SEP/OCT 2003
DRAWN/DATE	IK / Feb. 04
ADOT REVIEW	F. BAKER

URS 7720 North 16th Street Suite 100 - Phoenix, AZ 85020 - 602.371.1100

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: DOUGLAS - WILLCOX

FEDERAL IDENTIFICATION NO.: U 191-A-704

TRACS NO. 191 CH 038 H6431 01R

ROUTE NO.: US-191

SECTION NAME: Jct. SR 181 - Jct. I-10

REGISTERED LAND SURVEYOR 21080 ROBERT J. PECHA ARIZONA, U.S.A.

SHEET RS-28

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SET EXISTING R/W MONUMENTATION

PT	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
3303	402177.98028	778512.22974	5/8" REBAR W/ALUM CAP RLS#21080	SC 3250+25.30	50.00' LT
3310	412874.25541	779145.16783	5/8" REBAR W/ALUM CAP RLS#21080	TS 97+54.41	100.00' LT
3311	413250.07414	778912.32415	5/8" REBAR W/ALUM CAP RLS#21080	SC 102+04.41	100.00' LT
3312	414338.57471	777400.48099	5/8" REBAR W/ALUM CAP RLS#21080	CS 121+71.73	100.00' LT
3313	414440.18527	776970.21242	5/8" REBAR W/ALUM CAP RLS#21080	ST 126+21.73	100.00' LT
3314	414830.22193	775105.63243	5/8" REBAR W/ALUM CAP RLS#21080	TS 145+26.67	100.00' LT
3317	417352.42415	772003.99402	5/8" REBAR W/ALUM CAP RLS#21080	ST 186+17.00	100.00' LT
3330	408329.42185	779664.50156	5/8" REBAR W/ALUM CAP RLS#21080	POT 48+69.19	50.00' LT
3331	378746.53628	788590.33815	5/8" REBAR W/ALUM CAP RLS#21080	POT 2995+23.00	50.00' LT
3350	408579.66866	779730.28229	5/8" REBAR W/ALUM CAP RLS#21080	POT 51+27.94	50.00' LT
3413	366481.17025	793877.88538	5/8" REBAR W/ALUM CAP RLS#21080	POT 2861+66.45	50.00' LT
3414	371761.93141	791601.37166	5/8" REBAR W/ALUM CAP RLS#21080	POT 2919+17.01	50.00' LT
3417	382316.12950	787051.50166	5/8" REBAR W/ALUM CAP RLS#21080	POT 3034+10.16	50.00' LT
3419	387598.45125	784774.31518	5/8" REBAR W/ALUM CAP RLS#21080	POT 3091+62.42	50.00' LT
3420	391154.86416	783241.16067	5/8" REBAR W/ALUM CAP RLS#21080	POT 3130+35.23	50.00' LT
3421	392809.45242	782527.87470	NOT SET - FALLS ON FENCE POST	POT 3148+37.01	50.00' LT
3423	397988.39319	780295.25531	NOT SET - FALLS ON CATTLEGUARD	POT 3204+76.70	50.00' LT
3424	399433.79758	779672.14762	5/8" REBAR W/ALUM CAP RLS#21080	POT 3220+50.69	50.00' LT
3425	403309.40331	778392.00110	5/8" REBAR W/ALUM CAP RLS#21080	POC 3261+50.80	50.00' LT
3426	424094.05299	769061.47208	5/8" REBAR W/ALUM CAP RLS#21080	POT 259+72.81	100.00' LT
3427	424402.26385	768926.94714	5/8" REBAR W/ALUM CAP RLS#21080	POT 263+09.10	100.00' LT
3503	402207.75220	778607.69508	5/8" REBAR W/ALUM CAP RLS#21080	SC 3250+25.30	50.00' RT
3510	412975.18664	779317.83192	5/8" REBAR W/ALUM CAP RLS#21080	TS 97+54.41	100.00' RT
3511	413364.11602	779076.62402	5/8" REBAR W/ALUM CAP RLS#21080	SC 102+04.41	100.00' RT
3512	414530.56388	777456.51810	5/8" REBAR W/ALUM CAP RLS#21080	CS 121+71.73	100.00' RT
3513	414635.94811	777011.16249	NOT SET - FALLS ON CATTLEGUARD	ST 126+21.73	100.00' RT
3514	415025.98477	775146.58250	5/8" REBAR W/ALUM CAP RLS#21080	TS 145+26.67	100.00' RT
3517	417432.42950	772187.29471	5/8" REBAR W/ALUM CAP RLS#21080	ST 186+17.00	100.00' RT
3530	407937.34264	779664.83544	5/8" REBAR W/ALUM CAP RLS#21080	POT 44+90.07	50.00' RT
3531	379001.46214	788589.33714	5/8" REBAR W/ALUM CAP RLS#21080	POT 2997+57.49	50.00' RT
3614	366601.29923	793934.99473	5/8" REBAR W/ALUM CAP RLS#21080	POT 2862+54.16	50.00' RT
3615	371762.03329	791710.22418	5/8" REBAR W/ALUM CAP RLS#21080	POT 2918+74.01	50.00' RT
3618	382316.19308	787160.37070	5/8" REBAR W/ALUM CAP RLS#21080	POT 3033+67.12	50.00' RT
3621	391410.78699	783239.72987	5/8" REBAR W/ALUM CAP RLS#21080	POT 3132+70.81	50.00' RT
3625	399686.91206	779671.92748	5/8" REBAR W/ALUM CAP RLS#21080	POT 3222+83.21	50.00' RT
3626	403311.94046	778492.66722	5/8" REBAR W/ALUM CAP RLS#21080	POC 3261+62.64	50.00' RT
3627	424402.05804	769145.25764	5/8" REBAR W/ALUM CAP RLS#21080	POT 262+21.58	100.00' RT
3628	424596.24662	769060.50006	5/8" REBAR W/ALUM CAP RLS#21080	POT 264+33.46	100.00' RT
3711	428167.09180	767230.85443	5/8" REBAR W/ALUM CAP RLS#21080	POT 1371+08.26	105.00' LT A
3712	429371.33117	768118.72119	5/8" REBAR W/ALUM CAP RLS#21080	PT 319+41.51	162.00' LT E
3713	429328.16853	768366.58106	5/8" REBAR W/ALUM CAP RLS#21080	PC 321+93.10	138.00' LT B
3719	427443.00354	766805.58158	5/8" REBAR W/ALUM CAP RLS#21080	CS 305+01.96	100.00' LT C
3721	427250.27831	767621.13853	5/8" REBAR W/ALUM CAP RLS#21080	SC 294+78.47	100.00' LT D
3722	426618.08429	768178.02761	5/8" REBAR W/ALUM CAP RLS#21080	TS 286+39.50	100.00' RT
3954	429449.06949	769053.43849	5/8" REBAR W/ALUM CAP RLS#21080	POT 1393+36.55	105.00' LT
6010	362930.59154	795408.52479	5/8" REBAR W/ALUM CAP RLS#21080	POT 2823+00.00	50.00' LT
6011	364950.85953	794537.59583	5/8" REBAR W/ALUM CAP RLS#21080	POT 2845+00.00	50.00' LT
6012	383867.91435	786382.53380	5/8" REBAR W/ALUM CAP RLS#21080	POT 3051+00.00	50.00' LT
6013	385704.52162	785590.78020	5/8" REBAR W/ALUM CAP RLS#21080	POT 3071+00.00	50.00' LT
6014	426538.08030	767994.72632	5/8" REBAR W/ALUM CAP RLS#21080	POT 286+39.50	100.00' LT
6210	362970.17922	795500.35515	5/8" REBAR W/ALUM CAP RLS#21080	POT 2823+00.00	50.00' RT
6211	364990.44721	794629.42620	5/8" REBAR W/ALUM CAP RLS#21080	POT 2845+00.00	50.00' RT
6212	383907.50203	786474.36416	5/8" REBAR W/ALUM CAP RLS#21080	POT 3051+00.00	50.00' RT
6213	385744.10930	785682.61057	5/8" REBAR W/ALUM CAP RLS#21080	POT 3071+00.00	50.00' RT

All Stations and Offsets are based from Existing US 191 R/W ℄ unless as noted.
A - Based from Existing WB I-10 R/W ℄
B - Based from Ramp "D" ℄
C - Based from Ramp "A" ℄
D - Based from Old Ramp "A" ℄
E - Based from Ramp "C" ℄

SET SECONDARY CONTROL POINTS

PT	NORTHING	EASTING	DESCRIPTION
19101	428269.58013	767653.75004	ADOT BC ON 5/8" SS HEX BAR
19102	415058.16165	774994.17359	ADOT BC ON 5/8" SS HEX BAR
19103	402229.84331	778454.45768	ADOT BC ON 5/8" SS HEX BAR
19104	387953.04411	784729.91401	ADOT BC ON 5/8" SS HEX BAR
19105	373431.56867	790990.02069	ADOT BC ON 5/8" SS HEX BAR
19106	358865.09837	797164.48704	ADOT BC ON 5/8" SS HEX BAR

RESULTS OF SURVEY

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CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-02-T-494
SURVEY	SEP/OCT 2003
DRAWN/DATE	IK / Feb. 04
ADOT REVIEW	F. BAKER

URS 7720 North 16th Street Suite 100 - Phoenix, AZ 85020 - 602.371.1100

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: DOUGLAS - WILLCOX

FEDERAL IDENTIFICATION NO.: U 191-A-704

TRACS NO. 191 CH 038 H6431 01R

ROUTE NO.: US-191

SECTION NAME: Jct. SR 181 - Jct. I-10

REGISTERED LAND SURVEYOR 21080 ROBERT J. PECHA ARIZONA, U.S.A.

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