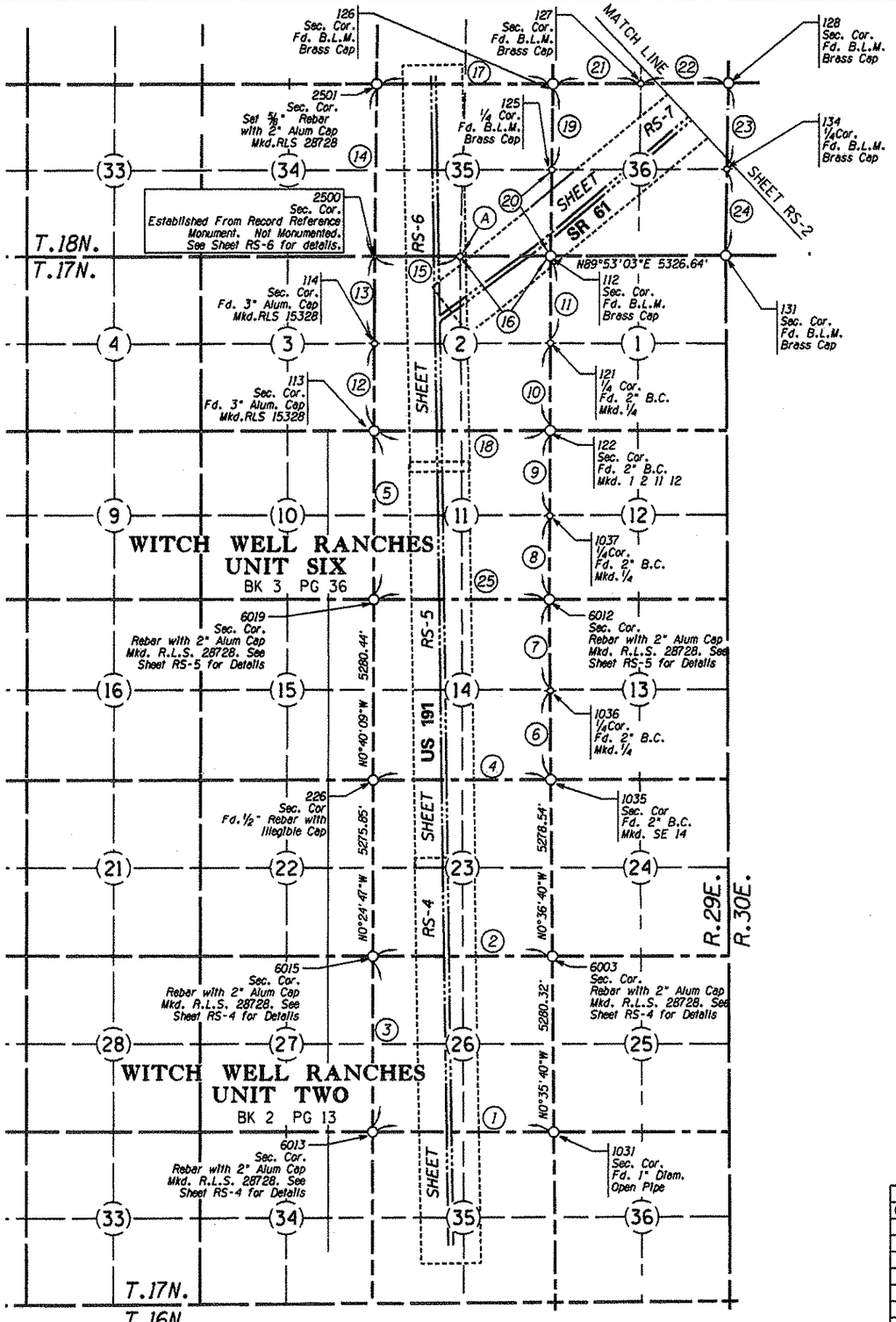
RESULTS OF SURVEY

Click here for US 191 Index



(A) 116 1/4 Cor. Fd. B.L.M. Brass Cap

DATA TABLE		
1	S89°54'46"W	5281.77'
2	S89°54'41"W	5275.28'
3	N0°31'27"W	5280.16'
4	S89°53'01"W	5257.01'
5	N0°31'48"W	5280.20'
6	N0°37'32"W	2639.79'
7	N0°26'03"W	2637.65'
8	N0°47'06"W	2642.75'
9	N0°36'27"W	2640.27'
10	N0°36'22"W	2640.05'
11	N2°35'24"E	2639.85'
12	N0°16'05"E	2638.93'
13	N0°16'22"E	2639.02'
14	N0°41'42"E	5225.48'
15	N89°54'04"E	2660.43'
16	N89°53'30"E	2660.55'
17	S89°58'39"E	5319.13'
18	S89°53'10"W	5254.52'
19	N0°40'41"E	2606.90'
20	N0°40'29"E	2606.86'
21	N89°50'41"E	2670.22'
22	N89°50'24"E	2670.96'
23	S0°52'21"W	2608.66'
24	S0°47'53"W	2609.23'
25	S89°54'54"W	5269.87'

N

APACHE CO.

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

0 1000 2000
Scale

...\SURVEY\061RW416.SURVEY01.DGN

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

DRAWING NO.	D-01-T-289
SURVEY	AUGUST 04
DRAWN/DATE	J. R. / Aug 04
ADOT REVIEW	S. McLain

ABSOLUTE SURVEYING AND MAPPING, INC.
15138 N. MAIN ST. SNOWFLAKE ARIZONA 85937
PH. 928-536-7971 FAX 928-536-5887

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

HIGHWAY NAME: WITCH WELL - ZUNI

FEDERAL IDENTIFICATION NO.: S 061-B-801

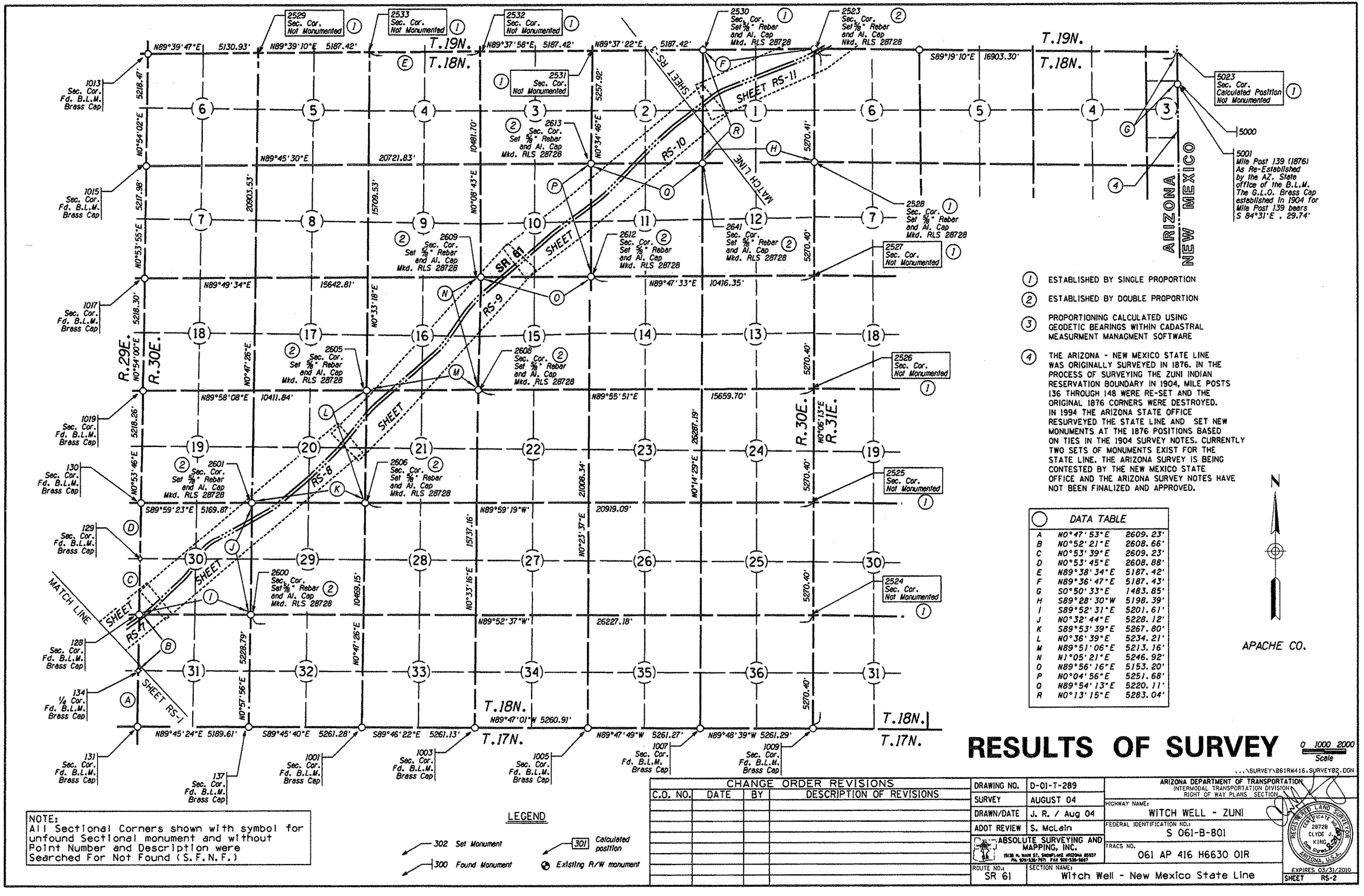
TRACS NO. 061 AP 416 H6630 01R

ROUTE NO.: SR 61

SECTION NAME: Witch Well - New Mexico State Line

REGISTERED LAND SURVEYOR
CERTIFICATE NO. 28728
CLYDE J. KING
Date Signed 8-30-10
ARIZONA, U.S.A.
EXPIRES 03/31/2010

SHEET RS-1



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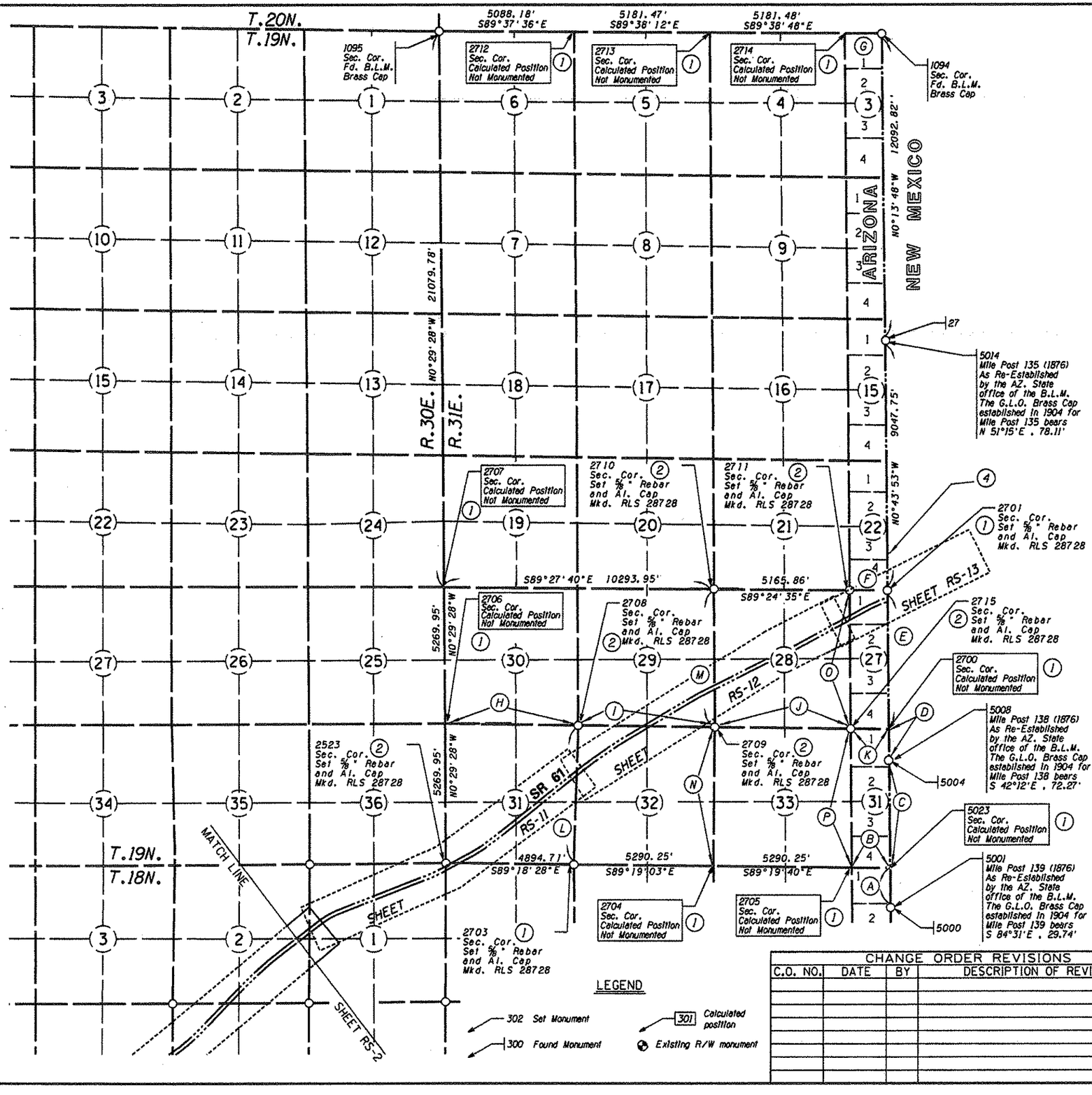


(1) ESTABLISHED BY SINGLE PROPORTION

(2) ESTABLISHED BY DOUBLE PROPORTION

(3) PROPORTIONING CALCULATED USING GEODETIC BEARINGS WITHIN CADASTRAL MEASUREMENT MANAGEMENT SOFTWARE

(4) THE ARIZONA - NEW MEXICO STATE LINE WAS ORIGINALLY SURVEYED IN 1876. IN THE PROCESS OF SURVEYING THE ZUNI INDIAN RESERVATION BOUNDARY IN 1904, MILE POSTS 136 THROUGH 148 WERE RE-SET AND THE ORIGINAL 1876 CORNERS WERE DESTROYED. IN 1994 THE ARIZONA STATE OFFICE RESURVEYED THE STATE LINE AND SET NEW MONUMENTS AT THE 1876 POSITIONS BASED ON TIES IN THE 1904 SURVEY NOTES. CURRENTLY TWO SETS OF MONUMENTS EXIST FOR THE STATE LINE. THE ARIZONA SURVEY IS BEING CONTESTED BY THE NEW MEXICO STATE OFFICE AND THE ARIZONA SURVEY NOTES HAVE NOT BEEN FINALIZED AND APPROVED.

DATA TABLE

A	S0°50'33"E	1483.85'
B	S89°20'03"E	1428.10'
C	N0°50'33"W	3839.39'
D	N0°43'53"W	1473.70'
E	N0°43'53"W	5260.91'
F	S89°17'24"E	1391.06'
G	S89°39'11"E	1415.85'
H	S89°26'38"E	5095.58'
I	S89°20'43"E	5198.85'
J	S89°21'20"E	5175.88'
K	N89°37'44"E	1402.62'
L	N1°41'26"E	5281.72'
M	N0°29'38"W	5282.00'
N	N0°41'57"E	5283.41'
O	N0°36'05"W	5287.10'
P	N0°32'25"W	5287.11

N

APACHE CO.

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

0 1000 2000
Scale

...\SURVEY\061RW416.SURVEY03.DGN

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

DRAWING NO.	D-01-T-289
SURVEY	AUGUST 04
DRAWN/DATE	J. R. / Aug 04
ADOT REVIEW	S. McLain

ABSOLUTE SURVEYING AND MAPPING, INC.
15130 N. MAIN ST. SHOW LOW, ARIZONA 85927
PH. 928-536-7971 FAX 928-536-3687

ROUTE NO.: SR 61

SECTION NAME: Witch Well - New Mexico State Line

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

HIGHWAY NAME: WITCH WELL - ZUNI

FEDERAL IDENTIFICATION NO.: S 061-B-801

TRACS NO.: 061 AP 416 H6630 01R

REGISTERED LAND SURVEYOR
CERTIFICATE NO. 28728
CLYDE J. KING
Date Signed 6-30-10
ARIZONA, U.S.A.
EXPIRES 03/31/2010

SHEET RS-3

Click here for US 191 Index

T.17N. R.29E.

APACHE CO.

N

WITCH WELL RANCHES
UNIT TWO
BK 2 PG 13

US 191

P.O.T. 1261+61.77

6013 Sec. Cor. Set 5/8" Rebar with 2" Aluminum Cap Mkd. RLS 28728. Re-established from the record dimensions depicted in Witch Well Ranches, Unit Two, per Bk. 2, Pg. 13 of Surveys, Apache County Reocords.

5280.16'

N0°31'27"W

1/4 Cor. Searched for Not Found

6015 Sec. Cor. Set 5/8" Rebar with 2" Aluminum Cap Mkd. RLS 28728. Re-established from the record dimensions depicted in Witch Well Ranches, Unit Two, per Bk. 2, Pg. 13 of Surveys, Apache County Reocords.

N89°54'46"E 2216.86'

P.O.T. 1297+21.31

MATCH BELOW

MATCH LINE

630
231
10016
N00°56'41"W 27873.83'
228
6006
225
75'
75'
230
655
Exist R/W ℄
C 1/4 Cor. Searched for Not Found
229
6004
6014
2200
224
5281.77'

1/4 Cor. Searched for Not Found

1031 Sec. Cor. Fd. 1" Diam. Open Pipe. Added washer Mkd. RLS 28728

5280.32'

N0°35'40"W

6003 Sec. Cor. Set 5/8" Rebar with 2" Aluminum Cap Mkd. RLS 28728. Re-established from the record dimensions depicted in Witch Well Ranches, Unit Two, per Bk. 2, Pg. 13 of Surveys, Apache County Reocords.

U.S. 191
STATIONING IS BASED UPON R/W PROJECT NON S 113, STRIP MAP 1-T-186, P.O.T. 1540+35.60

MATCH ABOVE

MATCH LINE

5280.16'

N0°31'27"W

6013 Sec. Cor. Set 5/8" Rebar with 2" Aluminum Cap Mkd. RLS 28728. Re-established from the record dimensions depicted in Witch Well Ranches, Unit Two, per Bk. 2, Pg. 13 of Surveys, Apache County Reocords.

1/4 Cor. Searched for Not Found

6015 Sec. Cor. Set 5/8" Rebar with 2" Aluminum Cap Mkd. RLS 28728. Re-established from the record dimensions depicted in Witch Well Ranches, Unit Two, per Bk. 2, Pg. 13 of Surveys, Apache County Reocords.

5275.85'

N0°24'47"W

1/4 Cor. Searched for Not Found

226 Sec. Cor. Fd. 1/2" Rebar with illegible Cap. Added Tag Mkd. RLS 28728

RS-5

WITCH WELL RANCHES
UNIT TWO
BK 2 PG 13

S89°54'41"W 2078.09'

P.O.T. 1350+01.95

221
6009
219
75'
75'
US 191
N00°56'41"W 27873.83'
6008
6016
Exist R/W ℄
222
220
5275.28'

C 1/4 Cor. Searched for Not Found

1/4 Cor. Searched for Not Found

C 1/4 Cor. Searched for Not Found

6003 Sec. Cor. Set 5/8" Rebar with 2" Aluminum Cap Mkd. RLS 28728. Re-established from the record dimensions depicted in Witch Well Ranches, Unit Two, per Bk. 2, Pg. 13 of Surveys, Apache County Reocords.

1/4 Cor. Searched for Not Found

5280.32'

N0°35'40"W

5278.54'

N0°36'40"W

1035 Sec. Cor. Fd. 2" BC Mkd. SE14

1031 Sec. Cor. Fd. 1" Diam. Open Pipe. Added washer Mkd. RLS 28728

U.S. 191
STATIONING IS BASED UPON R/W PROJECT NON S 113, STRIP MAP 1-T-186, P.O.T. 1540+35.60

T.17N. R.29E.

APACHE CO.

N

LEGEND

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

0 100 200
Scale

RESULTS OF SURVEY

...\SURVEY\061RW416.SURVEY04.DGN

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

DRAWING NO.	D-01-T-289
SURVEY	AUGUST 04
DRAWN/DATE	J. R. / Aug 04
ADOT REVIEW	S. McLain
ABSOLUTE SURVEYING AND MAPPING, INC. 1513 N. MAIN ST., SNOWFLAKE ARIZONA 85937 PH. 928-536-7571 FAX 928-536-5697	
ROUTE NO.: SR 61	SECTION NAME: Witch Well - New Mexico State Line

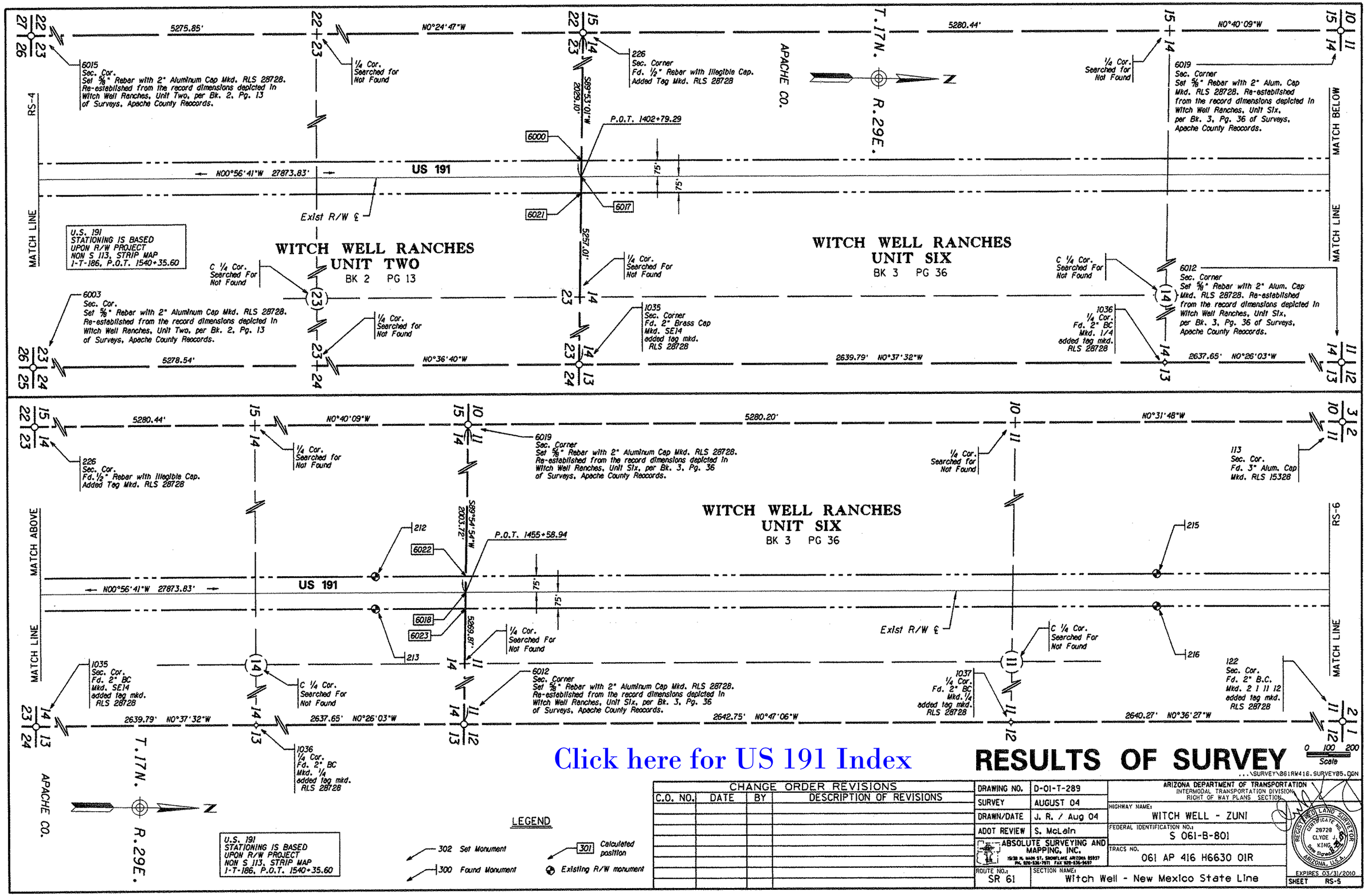
ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: WITCH WELL - ZUNI
FEDERAL IDENTIFICATION NO.: S 061-B-801
TRACS NO. 061 AP 416 H6630 01R

REGISTERED LAND SURVEYOR CERTIFICATE NO. 28728 CLYDE J. KING Date Signed 8/31/10 ARIZONA, U.S.A.

EXPIRES 03/31/2010

SHEET RS-4



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RESULTS OF SURVEY

...\SURVEY\061RW416.SURVEY05.DGN

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

DRAWING NO.	D-01-T-289
SURVEY	AUGUST 04
DRAWN/DATE	J. R. / Aug 04
ADOT REVIEW	S. McLain

ABSOLUTE SURVEYING AND MAPPING, INC.

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

HIGHWAY NAME: WITCH WELL - ZUNI

FEDERAL IDENTIFICATION NO.: S 061-B-801

TRACS NO. 061 AP 416 H6630 01R

ROUTE NO.: SR 61

SECTION NAME: Witch Well - New Mexico State Line

REGISTERED LAND SURVEYOR CERTIFICATE NO. 28728 CLYDE J. KING ARIZONA, U.S.A.

EXPIRES 03/31/2010

SHEET RS-5

6019
Sec. Cor.
Set ⅝" Rebar with 2" Alum. Cap mkd. RLS 28728.
Re-established from the record dimensions depicted in Witch Well Ranches, Unit Six, per Bk. 3, Pg. 36 of Surveys, Apache County Records

WITCH WELL RANCHES UNIT SIX
BK 3 PG 36

5280.20' N0°31'48"W

¼ Cor. Searched For Not Found

1965.84'
2627.26'

113
Sec. Cor.
Fd. 3" Alum. Cap
Mkd. RLS 15328

APACHE CO.

T.17N. R.29E.

2638.93' N0°16'05"E

114
¼ Corner
Fd. 3" Al. Cap
Mkd. RLS 15328

2639.02' N0°16'22"E

2643.96'

2500
Sec. Cor.
Not Monumented. Established from BLM Reference Monument which bears S8°40'42"E a distance of 52.28'

1046

RS-5

MATCH LINE

P.O.T. 1508+40.57

836

Exist R/W ℄

US 191

2000
100

101

505

835

837
¼ Cor.
Not Found.
Calculated by Single Proportionate Distance

N89°53'10"E

2627.26'
N89°53'10"E

1037
¼ Cor.
Fd. 2" BC
Mkd. ¼
added tag mkd.
RLS 28728

2640.27' N0°36'27"W

122
Sec. Cor.
Fd. 2" B.C.
Mkd. 2 1 11 12
added tag mkd.
RLS 28728

N00°37'50"E 2639.65'
5277.57'

N00°56'41"W 27873.83'

EXIST R/W ℄ CURVE DATA
513 → PI 1+48.54
Δ=54°48'51" RT
D=20°00'00"
T=148.54'
L=274.07'
516 → R=286.48'

625
844

P.O.T. 1534+80.12

624

N89°52'27"E 734.35'

842
Cen. ¼ Cor.
Not Found

2570.29'
N89°52'27"E

121
¼ Corner
Fd. 2" B.C.
Mkd ¼
added tag mkd.
RLS 28728

N00°37'50"E 2637.93'

517

P.C. 0+00.00 (SR 61)
P.O.T. 1540+35.60 (US 191)

510
106

P.T. 2+74.07

525
518

N53°52'10"E 3686.40'

SR 61

Exist R/W ℄

RS-7

832

N00°56'41"W 7538.91'

75'
75'

2500
Sec. Cor.
Not Monumented. Established from BLM Reference Monument which bears S8°40'42"E a distance of 52.28'

1046

MATCH BELOW

MATCH LINE

STATIONING IS BASED UPON R/W PROJECT NON S 113, STRIP MAP 1-T-186, P.O.T. 1540+35.60 (US 191) P.C. 0+00.00 (SR 61)

116
¼ Cor.
Fd. BLM
Brass Cap

MATCH LINE

2639.02' N0°16'22"E

114
¼ Cor.
Fd. 3" Alum. Cap
Mkd. RLS 15328

2500
Sec. Cor.
Not Monumented. Established from BLM Reference Monument which bears S8°40'42"E a distance of 52.28'

1046

5225.48'

APACHE CO.

¼ Corner
Searched For
Nothing Found

34+35

NO°41'42"E

1072
Sec. Cor.
Fd. BLM BC

2501
Sec. Corner
Set ⅝" Rebar with 2" Aluminum Cap
Mkd. RLS 28728 at double proportionate distance.

21151.25'
S89°54'40"W

26133.76'
N0°36'16"E

1074
Sec. Cor.
Fd. BLM BC

1704.96'
S89°58'39"E

MATCH ABOVE

P.O.T. 1561+18.46

500
103

Exist R/W ℄

N00°56'41"W 7538.91'

75'
75'

104

105

P.O.T. 1613+40.41

6026
6024
845
211
10017

6025

P.O.T. 1615+74.52

210

656

5319.13'

2660.43'
N89°58'39"E

102
506
501

MATCH LINE

¼ Cor.
Searched For
Not Found

C ¼ Corner
Searched For
Nothing Found

(35)

2637.93'
N00°37'50"E

116
¼ Cor.
Fd. BLM
Brass Cap

T.18N. R.29E.
T.17N. R.29E.

126
Sec. Cor.
Fd. BLM BC

T. 19 N.
T. 18 N.

RESULTS OF SURVEY

0 100 200
Scale

...\SURVEY\061RW416.SURVEY06.DGN

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U.S. 191
STATIONING IS BASED UPON R/W PROJECT NON S 113, STRIP MAP 1-T-186, P.O.T. 1540+35.60

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

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

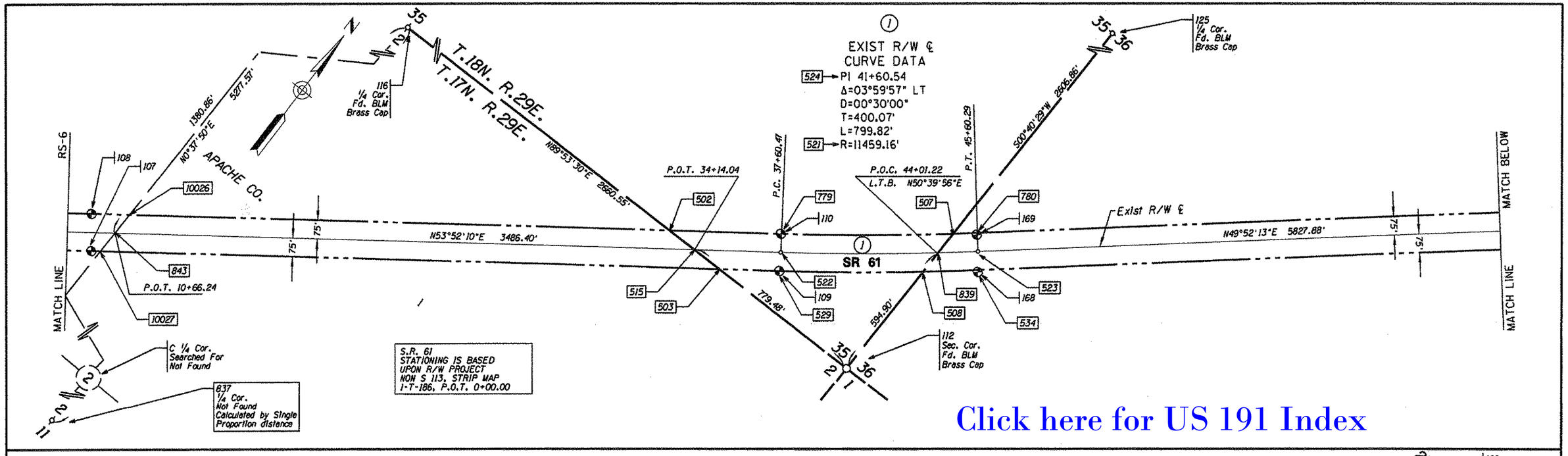
DRAWING NO.	D-01-T-289
SURVEY	AUGUST 04
DRAWN/DATE	J. R. / Aug 04
ADOT REVIEW	S. McLain
ABSOLUTE SURVEYING AND MAPPING, INC. 1630 N. MAIN ST. SNOWFLAKE ARIZONA 85937 PH. 928-536-7971 FAX 928-536-3692	
ROUTE NO.: SR 61	SECTION NAME: Witch Well - New Mexico State Line

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

HIGHWAY NAME: WITCH WELL - ZUNI
FEDERAL IDENTIFICATION NO.: S 061-B-801
TRACS NO. 061 AP 416 H6630 01R

REGISTERED LAND SURVEYOR CERTIFICATE NO. 28728 CLYDE J. KING DATE SIGNED ARIZONA, U.S.A.
EXPIRES 03/31/2010

SHEET RS-6



RESULTS OF SURVEY

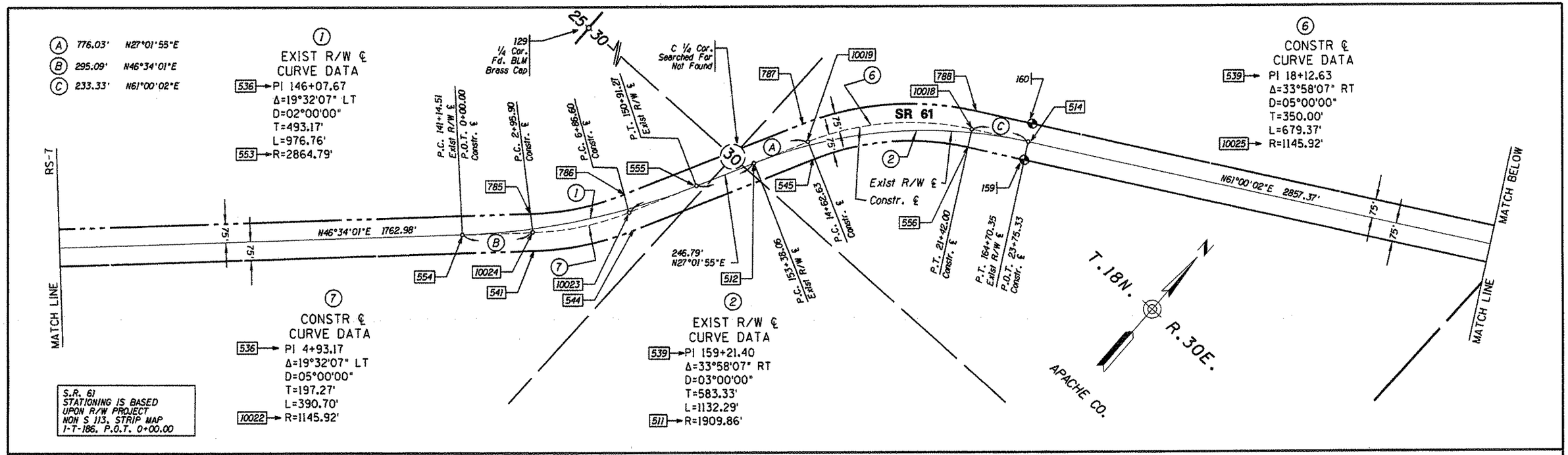
CHANGE ORDER REVISIONS					
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS		
				DRAWING NO.	D-01-T-289
				SURVEY	AUGUST 04
				DRAWN/DATE	J. R. / Aug 04
				ADOT REVIEW	S. McLain
				ABSOLUTE SURVEYING AND MAPPING, INC.	1638 N. MAIN ST. SNOWFLAKE, ARIZONA 85937 PH. 928-536-7971 FAX 928-536-3697
				ROUTE NO.: SR 61	SECTION NAME: Witch Well - New Mexico State Line

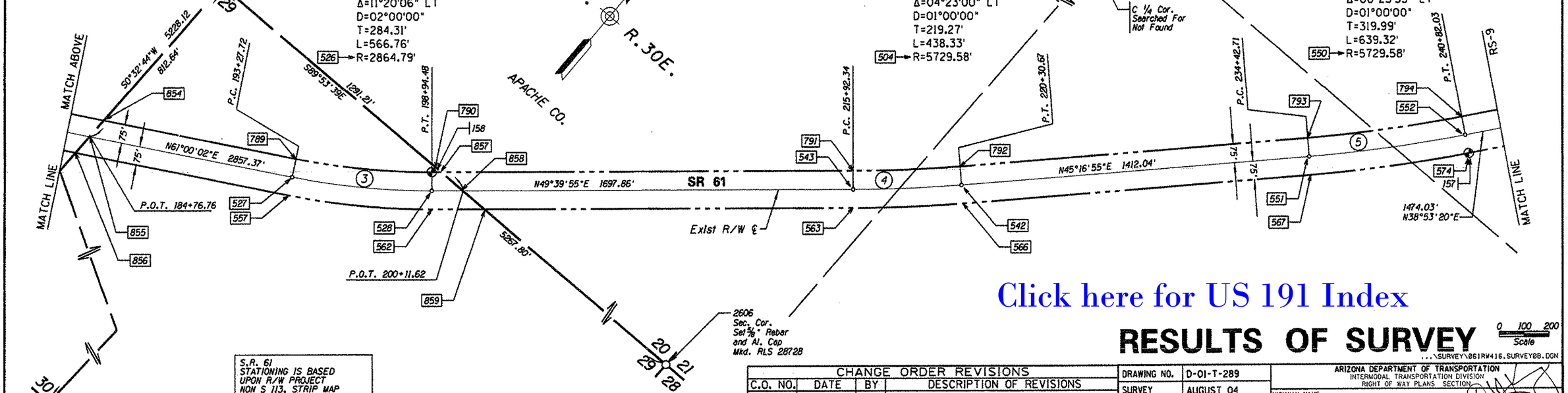
ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: WITCH WELL - ZUNI
FEDERAL IDENTIFICATION NO.: S 061-B-801
TRACS NO.: 061 AP 416 H6630 01R

REGISTERED LAND SURVEYOR CERTIFICATE NO. 28728 CLYDE J. KING Date Signed 8-27-04 ARIZONA, U.S.A.
EXPIRES 03/31/2010

SHEET RS-7





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RESULTS OF SURVEY

0 100 200 Scale

...\SURVEY\061RW416_SURVEY08.DGN

S.R. 61
STATIONING IS BASED
UPON R/W PROJECT
NON S 113, STRIP MAP
I-T-186, P.O.T. 0+00.00

LEGEND

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

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

DRAWING NO.	D-01-T-289
SURVEY	AUGUST 04
DRAWN/DATE	J. R. / Aug 04
ADOT REVIEW	S. McLain

ABSOLUTE SURVEYING AND MAPPING, INC.
1938 N. MAIN ST. SNOWFLAKE ARIZONA 85937
PH. 928-536-7971 FAX 928-536-5697

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

HIGHWAY NAME: WITCH WELL - ZUNI
FEDERAL IDENTIFICATION NO.: S 061-B-801
TRACS NO. 061 AP 416 H6630 01R
ROUTE NO.: SR 61
SECTION NAME: Witch Well - New Mexico State Line

REGISTERED LAND SURVEYOR CERTIFICATE NO. 28728 CLYDE J. KING Date Signed 8-25-04 ARIZONA, U.S.A.
EXPIRES 03/31/2010
SHEET RS-8

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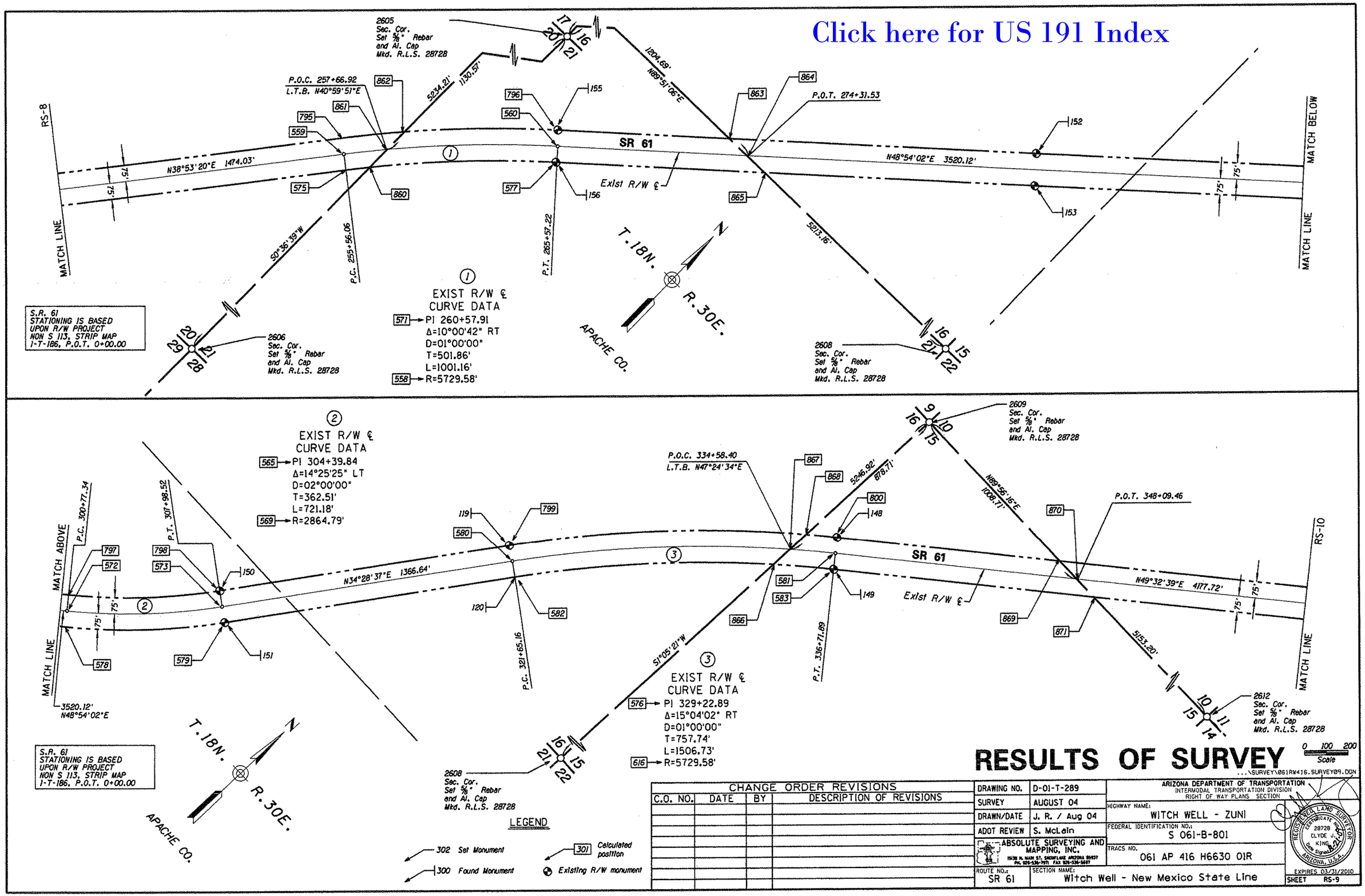

RESULTS OF SURVEY

...\SURVEY\061RW416.SURVEY09.DGN

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

DRAWING NO.	D-01-T-289
SURVEY	AUGUST 04
DRAWN/DATE	J. R. / Aug 04
ADOT REVIEW	S. McLain

ABSOLUTE SURVEYING AND MAPPING, INC.
15130 N. MAIN ST. SHOWLOW, ARIZONA 85937
PH. 928-536-7971 FAX 928-536-5697

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

HIGHWAY NAME: WITCH WELL - ZUNI
FEDERAL IDENTIFICATION NO.: S 061-B-801
TRACS NO. 061 AP 416 H6630 01R
ROUTE NO.: SR 61
SECTION NAME: Witch Well - New Mexico State Line

REGISTERED LAND SURVEYOR
CERTIFICATE NO. 28728
CLYDE J. KING
Date Signed 8-21-09
ARIZONA, U.S.A.
EXPIRES 03/31/2010

SHEET RS-9

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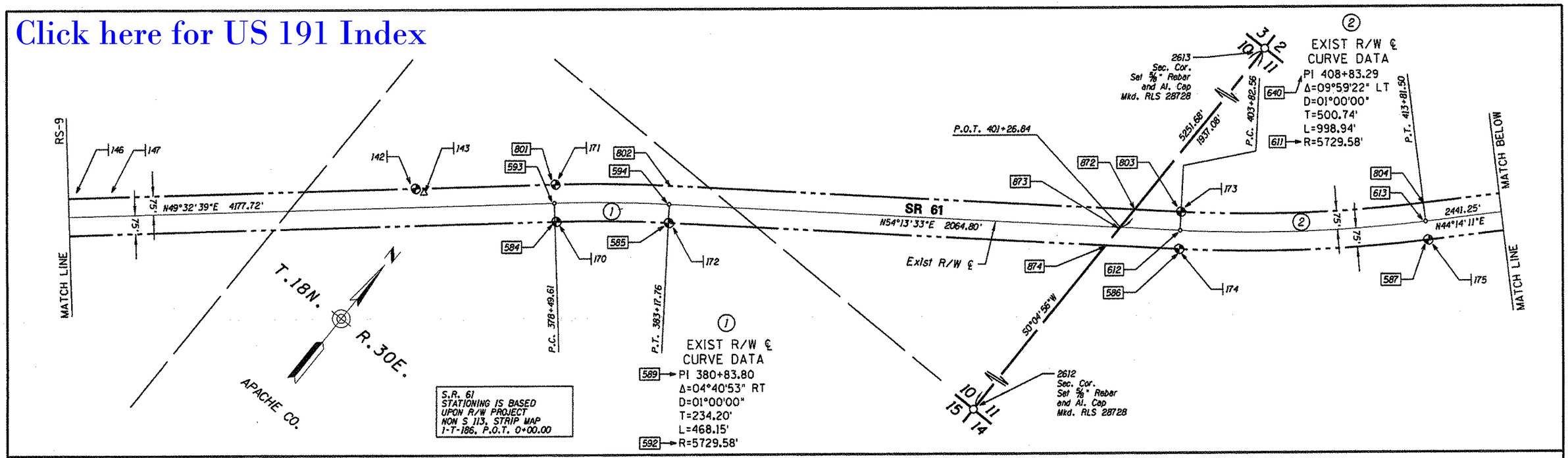


RESULTS OF SURVEY

Scale 0 100 200

...\SURVEY\061RW416.SURVEY10.DGN

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

DRAWING NO.	D-01-T-289
SURVEY	AUGUST 04
DRAWN/DATE	J. R. / Aug 04
ADOT REVIEW	S. McLain

ABSOLUTE SURVEYING AND MAPPING, INC.
15139 N. MAIN ST. SNOWFLAKE, ARIZONA 85937
PH. 928-536-7071 FAX 928-536-3697

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

HIGHWAY NAME: WITCH WELL - ZUNI

FEDERAL IDENTIFICATION NO.: S 061-B-801

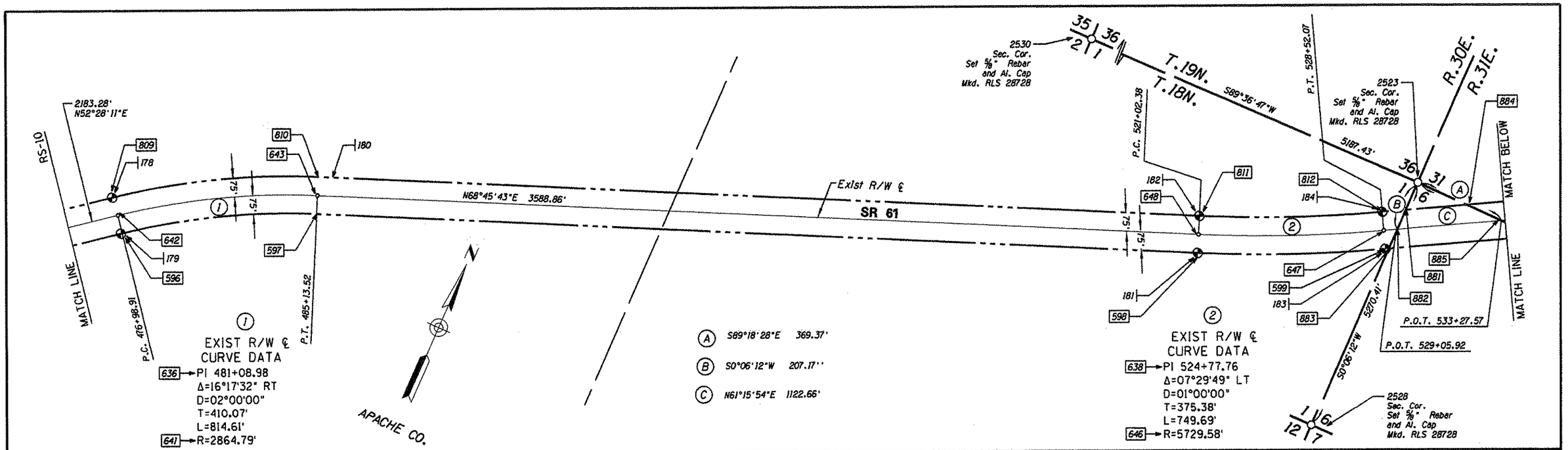
TRACS NO. 061 AP 416 H6630 01R

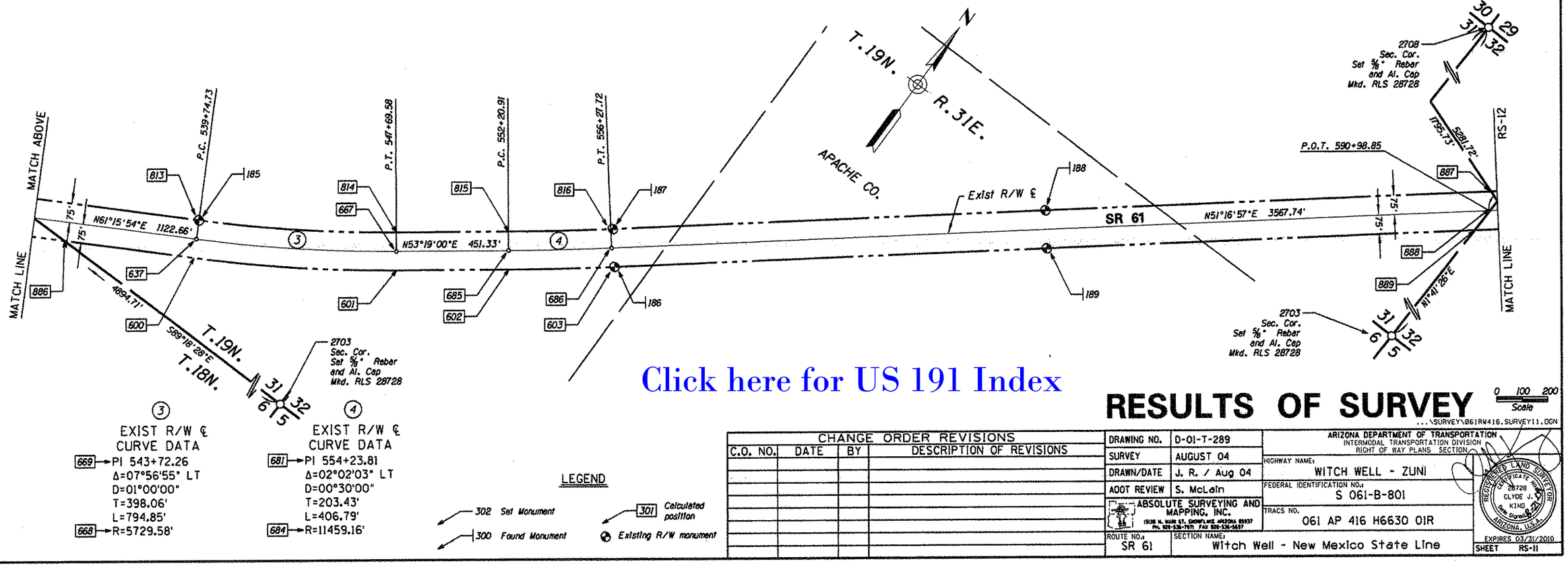
ROUTE NO.: SR 61

SECTION NAME: Witch Well - New Mexico State Line

REGISTERED LAND SURVEYOR
CERTIFICATE NO. 28728
CLYDE J. KING
Date Signed 8-3-10
ARIZONA, U.S.A.
EXPIRES 03/31/2010

SHEET RS-10





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RESULTS OF SURVEY

0 100 200 Scale

...\SURVEY\061RW416.SURVEY11.DGN

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

DRAWING NO.	D-01-T-289
SURVEY	AUGUST 04
DRAWN/DATE	J. R. / Aug 04
ADOT REVIEW	S. McLain

ABSOLUTE SURVEYING AND MAPPING, INC.
15130 N. MAIN ST. SHOWLOW ARIZONA 85937
PH. 928-536-7971 FAX 928-536-5697

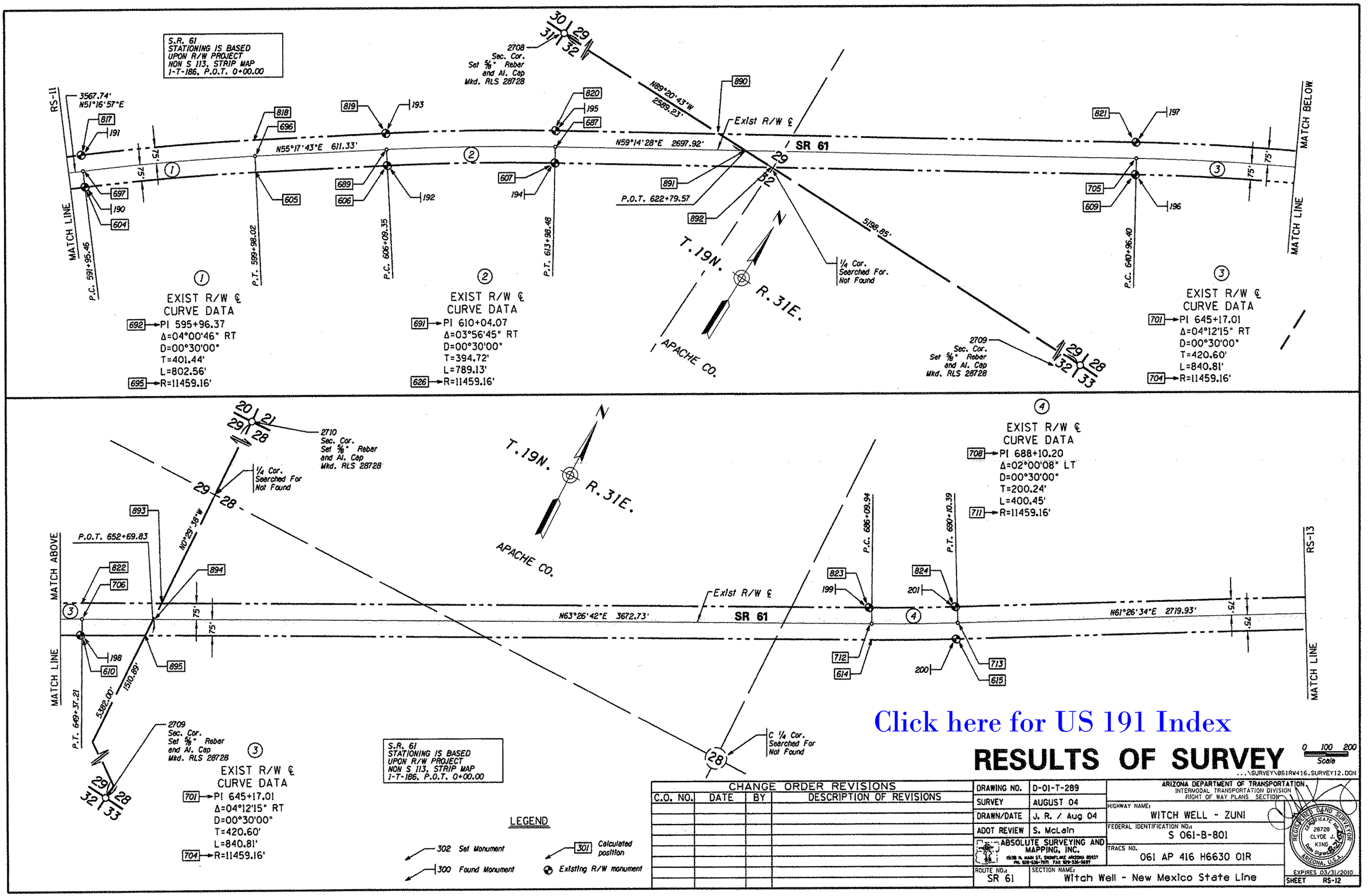
ROUTE NO.: SR 61
SECTION NAME: Witch Well - New Mexico State Line

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

HIGHWAY NAME: WITCH WELL - ZUNI
FEDERAL IDENTIFICATION NO.: S 061-B-801
TRACS NO. 061 AP 416 H6630 01R

REGISTERED LAND SURVEYOR
CERTIFICATE NO. 28728
CLYDE J. KING
Date Signed
ARIZONA, U.S.A.
EXPIRES 03/31/2010

SHEET RS-11



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RESULTS OF SURVEY

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

DRAWING NO.	D-01-T-289
SURVEY	AUGUST 04
DRAWN/DATE	J. R. / Aug 04
ADOT REVIEW	S. McLain

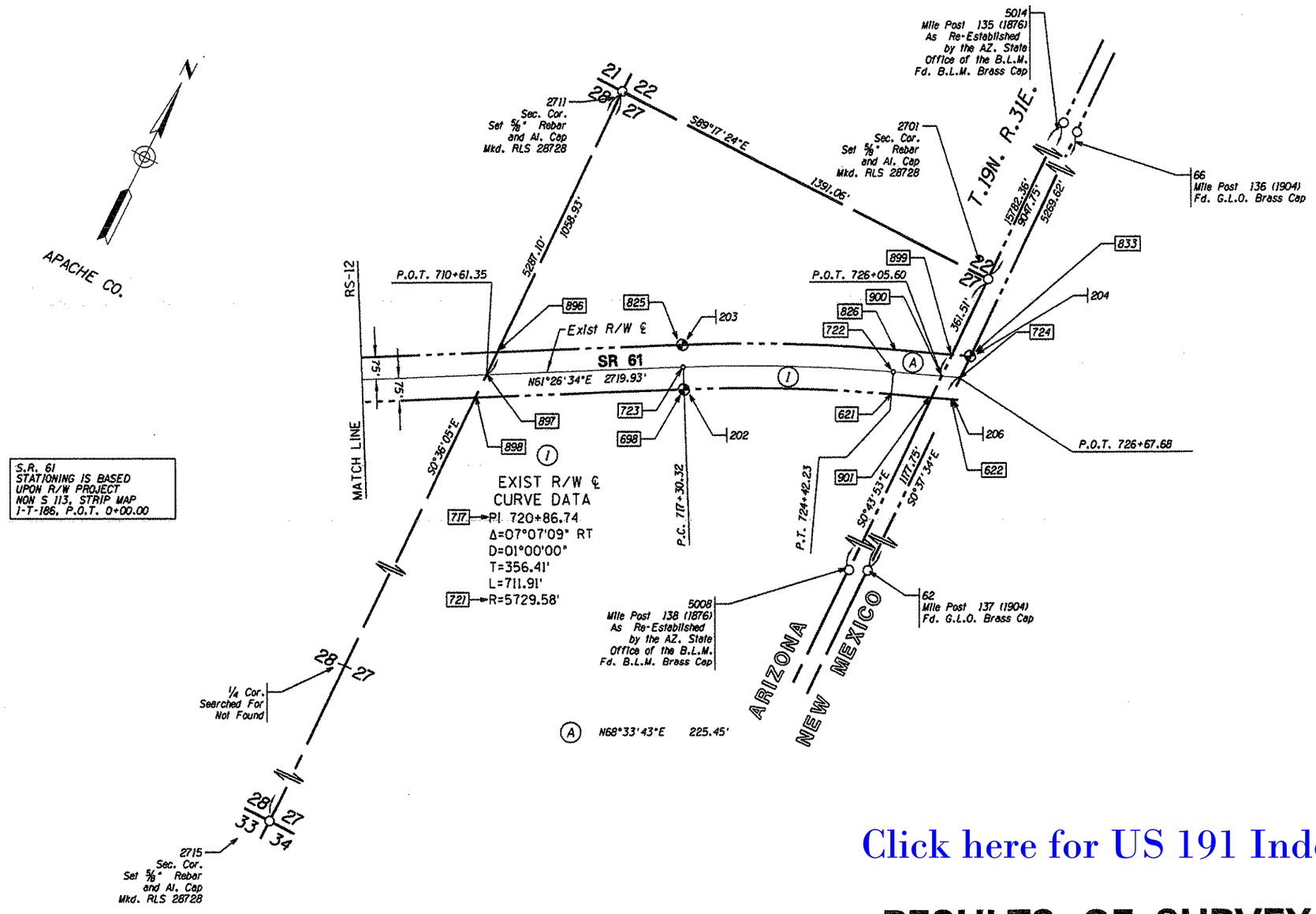
ABSOLUTE SURVEYING AND MAPPING, INC.
15136 N. MAIN ST. SNOWFLAKE ARIZONA 85937
PH. 928-536-7971 FAX 928-536-5697

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

HIGHWAY NAME: WITCH WELL - ZUNI
FEDERAL IDENTIFICATION NO.: S 061-B-801
TRACS NO. 061 AP 416 H6630 01R
ROUTE NO.: SR 61
SECTION NAME: Witch Well - New Mexico State Line

REGISTERED LAND SURVEYOR
CERTIFICATE NO. 28728
CLYDE J. KING
Date Signed 8-21-03
ARIZONA, U.S.A.
EXPIRES 03/31/2010

SHEET RS-12



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RESULTS OF SURVEY

0 100 200
Scale

LEGEND

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

...\SURVEY\061RW416.SURVEY13.DGN

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

DRAWING NO.	D-01-T-289
SURVEY	AUGUST 04
DRAWN/DATE	J. R. / Aug 04
ADOT REVIEW	S. McLain

ABSOLUTE SURVEYING AND MAPPING, INC.
15138 N. MAIN ST. SHOWLOW, ARIZONA 85927
PH. 928-536-7971 FAX 928-536-5657

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

HIGHWAY NAME: WITCH WELL - ZUNI
FEDERAL IDENTIFICATION NO.: S 061-B-801
TRACS NO. 061 AP 416 H6630 01R
ROUTE NO.: SR 61
SECTION NAME: Witch Well - New Mexico State Line

REGISTERED LAND SURVEYOR
CERTIFICATE NO. 28728
CLYDE J. KING
Date Signed 8-21-08
ARIZONA, U.S.A.
EXPIRES 03/31/2010

SHEET RS-13

RESULTS OF SURVEY

Click here for US 191 Index

CALCULATED POINTS			
PT.	NORTHING	EASTING	DESCRIPTION
500	1423358.27048	978608.96777	(C)
501	1423358.53000	978758.98388	(C)
502	1423363.11256	981244.39978	(C)
503	1423363.59494	981499.45793	(C)
504	1439197.73231	991593.14779	(C)
505	1418081.22498	978771.00413	(C)
506	1423358.40024	978683.97583	(C)
507	1424057.82218	982159.56246	(C)
508	1423861.99376	982157.25661	(C)
509	1428509.17955	987552.82129	(C)
510	1421277.05987	978793.31036	(C)
511	1430353.74695	991968.78748	(C)
512	1431221.75104	990267.57199	(C)
513	1421424.34496	978715.87121	(C)
514	1432024.15621	991042.88353	(C)
515	1423363.35375	981371.92886	(C)
516	1421280.54700	979004.76161	(C)
517	1421275.82317	978718.32056	(C)
518	1421511.92958	978835.84478	(C)
521	1432822.88216	974895.07195	(C)
522	1423567.61160	981651.72161	(C)
523	1424061.35996	982280.73892	(C)
524	1423803.50539	981974.84935	(C)
525	1421451.35399	978880.06693	(C)
526	1435915.02779	992153.14997	(C)
527	1433409.41391	993542.00590	(C)
528	1433731.26362	994007.38721	(C)
529	1423507.03601	981695.94377	(C)
530	1423436.80291	990429.49678	(C)
531	1427817.55894	986736.65728	(C)
532	1428127.47070	987139.25018	(C)
533	1427981.44842	986931.07674	(C)
534	1424004.01602	982329.07806	(C)
535	1427760.21500	986784.99642	(C)
536	1430562.62833	989931.27056	(C)
537	1428066.07002	987182.31939	(C)
538	1428420.14767	987687.10241	(C)
539	1431741.35593	990532.68783	(C)
540	1428957.05268	988344.46932	(C)
541	1430372.54269	989839.58236	(C)
542	1435126.41383	995624.58089	(C)
543	1434830.20395	995301.62228	(C)
544	1430704.25829	990087.73215	(C)
545	1431395.50806	990440.42564	(C)
546	1433172.21613	984353.78659	(C)
547	1428481.54834	987644.03320	(C)
548	1429011.51609	988292.90638	(C)
549	1428722.74844	987987.89521	(C)
550	1440191.26609	992596.51120	(C)
551	1436119.94761	996627.94429	(C)
552	1436594.16668	997056.21554	(C)
553	1432303.92389	987603.58415	(C)
554	1430223.57395	989573.14397	(C)
555	1431001.91776	990155.40737	(C)
556	1431845.44040	990875.16737	(C)
557	1433343.81711	993578.36605	(C)
558	1434144.39929	1002441.33264	(C)
559	1437741.49869	997981.62830	(C)
560	1438462.03589	998674.88854	(C)
561	1434972.12900	995468.76963	(C)
562	1433674.09290	994055.93110	(C)
563	1434773.03324	995350.16617	(C)
564	1436345.09795	996855.32218	(C)
565	1441014.35242	1001600.71857	(C)
566	1435073.12042	995677.35221	(C)
567	1436066.65419	996680.71561	(C)
569	1442934.87055	999444.32280	(C)
570	1433547.24617	993790.66699	(C)
571	1438132.12900	998296.70210	(C)
572	1440776.05224	1001327.54485	(C)
573	1441313.18601	1001805.92417	(C)
574	1436547.08078	997114.59291	(C)
575	1437694.41279	998040.00567	(C)
576	1443064.42458	1003008.47958	(C)

CALCULATED POINTS			
PT.	NORTHING	EASTING	DESCRIPTION
577	1438405.51818	998724.19116	(C)
578	1440719.53453	1001376.84747	(C)
579	1441270.73042	1001867.75073	(C)
580	1442439.77937	1002579.54289	(C)
581	1443556.09127	1003585.04892	(C)
582	1442397.32378	1002641.36945	(C)
583	1443499.02320	1003633.71344	(C)
584	1446209.77773	1006812.57011	(C)
585	1446494.87551	1007175.97291	(C)
586	1447701.94581	1008851.20284	(C)
587	1448361.96927	1009616.68482	(C)
588	1450111.05139	1011319.75022	(C)
589	1446418.81118	1006942.11286	(C)
590	1450662.94376	1011896.16186	(C)
591	1450974.43712	1012245.20367	(C)
592	1441907.16482	1010481.60229	(C)
593	1446266.84580	1006763.90559	(C)
594	1446555.72500	1007132.12841	(C)
595	1451239.82401	1012565.56391	(C)
596	1452569.83636	1014296.97264	(C)
597	1452957.76318	1014985.87679	(C)
598	1454257.80340	1018330.99289	(C)
599	1454578.39315	1019018.92324	(C)
600	1455118.12333	1020003.33455	(C)
601	1455552.91338	1020680.35074	(C)
602	1455822.53703	1021042.29698	(C)
603	1456072.92908	1021366.26114	(C)
604	1458304.47852	1024149.94984	(C)
605	1458781.00282	1024788.99843	(C)
606	1459129.05571	1025291.56263	(C)
607	1459552.86785	1025950.91167	(C)
608	1450451.31127	1011546.37811	(C)
609	1460932.66019	1028269.30716	(C)
610	1461333.15583	1029002.13424	(C)
611	1452411.35547	1005457.88447	(C)
612	1447762.79529	1008807.35835	(C)
613	1448414.29071	1009562.94966	(C)
614	1462975.06816	1032287.41285	(C)
615	1463161.52358	1032644.73692	(C)
616	1439196.41029	1007302.74562	(C)
617	1450163.37283	1011266.01507	(C)
618	1450718.90112	1011846.22415	(C)
619	1442169.24330	1019476.14546	(C)
620	1451170.82231	1012352.62145	(C)
621	1464758.45265	1035670.12458	(C)
622	1464830.43540	1035853.44446	(C)
623	1428323.97834	987550.00073	(C)
624	1420720.57816	978802.48755	(C)
625	1420720.24854	978652.47649	(C)
626	1449770.16371	1031773.09327	(C)
627	1446755.56557	1016010.22662	(C)
628	1451030.39448	1012195.26597	(C)
629	1451299.30135	1012519.87533	(C)
630	1393404.54589	979102.94833	(C)
636	1452879.12291	1014576.48544	(C)
637	1455183.88731	1019967.27767	(C)
638	1454463.68920	1018653.71175	(C)
640	1448055.52525	1009213.62298	(C)
641	1450357.44581	1015996.45971	(C)
642	1452629.31370	1014251.28406	(C)
643	1453027.66944	1014958.70854	(C)
646	1459668.15693	1016228.32231	(C)
647	1454644.15713	1018982.86636	(C)
648	1454327.70966	1018303.82464	(C)
655	1393407.01927	979252.92794	(C)
656	1428814.94680	978668.99962	(C)
667	1455613.05951	1020635.54624	(C)
668	1460207.88712	1017212.73362	(C)
669	1455375.25941	1020316.32034	(C)
681	1456004.20826	1021160.62935	(C)
684	1465072.33837	1014151.86724	(C)
685	1455882.68316	1020997.49249	(C)
686	1456131.44705	1021319.35009	(C)
687	1459617.31730	1025912.55455	(C)
689	1459190.71304	1025248.86165	(C)
691	1459415.44612	1025573.36059	(C)

CALCULATED POINTS			
PT.	NORTHING	EASTING	DESCRIPTION
692	1458614.09273	1024416.26198	(C)
695	1449422.10881	1031270.52617	(C)
696	1458842.65420	1024746.28885	(C)
697	1458362.99650	1024103.03879	(C)
698	1464461.74307	1035033.75905	(C)
701	1461212.21415	1028592.37929	(C)
704	1451149.95240	1034091.48262	(C)
705	1460997.10966	1028230.95007	(C)
706	1461400.24380	1028968.60510	(C)
708	1463131.67591	1032433.00252	(C)
711	1473292.44754	1027131.00618	(C)
712	1463042.15614	1032253.88370	(C)
713	1463227.39915	1032608.88430	(C)
717	1464697.99647	1035310.95852	(C)
721	1459495.09444	1037736.84550	(C)
722	1464828.26364	1035642.71245	(C)
723	1464527.61864	1034997.90644	(C)
724	1464910.66580	1035852.56770	(C)
779	1423628.18718	981607.49946	(C)
780	1424118.70390	982232.39978	(C)
781	1427874.90288	986688.31814	(C)
782	1428188.87137	987096.18097	(C)
783	1428542.94902	987600.96399	(C)
784	1429065.97950	988241.34345	(C)
785	1430481.46952	989736.45648	(C)
786	1430772.43114	989954.11905	(C)
787	1431463.68092	990306.81254	(C)
788	1431976.63399	990802.44707	(C)
789	1433475.01070	993505.64575	(C)
790	1433788.43433	993958.84332	(C)
791	1434887.37467	995253.07839	(C)
792	1435179.70725	995571.80957	(C)
793	1436173.24102	996575.17298	(C)
794	1436641.25259	996997.83817	(C)
795	1437788.58460	997923.25092	(C)
796	1438518.55360	998625.58592	(C)
797	1440832.56996	1001278.24223	(C)
798	1441355.64160	1001744.09761	(C)
799	1442482.23495	1002517.71633	(C)
800	1443613.15934	1003536.38440	(C)
801	1446323.91387	1006715.24107	(C)
802	1446616.57449	1007088.28392	(C)
803	1447823.64478	1008763.51385	(C)
804	1448466.61214	1009509.21450	(C)
805	1450215.69427	1011212.27991	(C)
806	1450774.85848	1011796.28645	(C)
807	1451086.35184	1012145.32827	(C)
808	1451358.77869	1012474.18676	(C)
809	1452688.79104	1014205.59549	(C)
810	1453097.57571	1014931.54029	(C)
811	1454397.61593	1018276.65639	(C)
812	1454709.92111	1018946.80947	(C)
813	1455249.65129	1019931.22078	(C)
814	1455673.20564	1020590.74174	(C)
815	1455942.82929	1020952.68799	(C)
816	1456189.96503	1021272.43904	(C)
817	1458421.51447	1024056.12774	(C)
818	1458904.30557	1024703.57928	(C)
819	1459252.37037	1025206.16067	(C)
820	1459681.76675	1025874.19743	(C)
821	1461061.55913	1028192.59299	(C)
822	1461467.33178	1028935.07596	(C)
823	1463109.24412	1032220.35456	(C)
824	1463293.27471	1032573.03169	(C)
825	1464593.49420	1034962.05382	(C)
826	1464898.07464	1035615.30032	(C)

CALCULATED POINTS			
PT.	NORTHING	EASTING	DESCRIPTION
832	1421570.20796	978788.47592	(C)
833	1464990.89625	1035851.69092	(C)
835	1418081.37425	978846.01187	(C)
836	1418081.07570	978695.99640	(C)
839	1423959.68219	982158.40687	(C)
843	1421979.01792	979475.66321	(C)
844	1420720.41333	978727.48007	(C)
845	1428812.47342	978519.02001	(C)
850	1428416.57895	987551.41101	(C)
851	1428592.66295	987670.70801	(C)
852	1428592.38857	987796.64391	(C)
853	1428592.12042	987919.71877	(C)
854	1433083.07378	992798.55830	(C)
855	1432996.86765	992797.73747	(C)
856	1432910.66153	992796.91663	(C)
857	1433807.29867	993981.06007	(C)
858	1433807.08531	994096.68333	(C)
859	1433806.87196	994212.30658	(C)
860	1437786.33453	998115.75954	(C)
861	1437903.15919	998117.00484	(C)
862	1438017.88783	998118.22779	(C)
863	1439036.48572	999219.31375	(C)
864	1439036.78187	999333.74453	(C)
865	1439037.07801	999448.17532	(C)
866	1443310.25806	1003423.24416	(C)
867	1443414.57818	1003425.22752	(C)
868	1443517.65975	1003427.18732	(C)
869	1444294.09384	1004334.90494	(C)
870	1444294.21929	1004450.63934	(C)
871	1444294.34473	1004566.37375	(C)
872	1447705.84242	1008600.02209	(C)
873	1447613.30553	1008599.88930	(C)
874	1447520.76864	1008599.75650	(C)
875	1449553.69450	1010567.69673	(C)
876	1449553.87103	1010672.54869	(C)
877	1449554.04757	1010777.40065	(C)
878	1452403.14070	1013833.73617	(C)
879	1452308.28589	1013833.37039	(C)
880	1452213.43109	1013833.00462	(C)
881	1454755.66232	1019030.23665	(C)
882	1454670.04444	1019030.08211	(C)
883	1454584.42657	1019029.92757	(C)
884	1454874.59839	1019247.16357	(C)
885	1454872.75440	1019399.80383	(C)
886	1454870.91041	1019552.44409	(C)
887	1458401.01675	1024030.55838	(C)
888	1458302.56304	1024027.65264	(C)
889	1458204.10934	1024024.74689	(C)
890	1460069.56923	1026525.80239	(C)
891	1460067.92477	1026669.68756	(C)
892	1460066.28030	1026813.57273	(C)
893	1461632.41997	1029265.39853	(C)
894	1461548.93451	1029266.11819	(C)
895	1461465.44906	1029266.83786	(C)
896	1464292.72598	1034409.42256	(C)
897	1464207.82282	1034410.31388	(C)
898	1464122.91966	1034411.20521	(C)
899	1464968.14351	1035793.74607	(C)
900	1464887.97059	1035794.76929	(C)
901	1464807.79767	1035795.79252	(C)

CONTINUED ON SHEET RS-15

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

...\SURVEY\061RW416.SURVEY14.DGN

DRAWING NO.	D-01-T-289
SURVEY	AUGUST 04
DRAWN/DATE	J. R. / Aug 04
ADOT REVIEW	S. McLain

ABSOLUTE SURVEYING AND MAPPING, INC.
15130 N. MAIN ST. SHOW LOW, ARIZONA 85937
PH. 928-536-7971 FAX 928-536-5897

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

HIGHWAY NAME: WITCH WELL - ZUNI
FEDERAL IDENTIFICATION NO.: S 061-B-801
TRACS NO. 061 AP 416 H6630 01R
ROUTE NO.: SR 61
SECTION NAME: Witch Well - New Mexico State Line

REGISTERED LAND SURVEYOR
CERTIFICATE NO. 28728
CLYDE J. KING
Date Signed 8-31-10
ARIZONA, U.S.A.

EXPIRES 03/31/2010
SHEET RS-14

RESULTS OF SURVEY

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SECTION CORNERS

PT.	NORTHING	EASTING	DESCRIPTION
27	1474345.35096	1035735.57212	G.L.O. B.C.
62	1463732.98705	1035865.43754	G.L.O. B.C.
66	1469002.29210	1035807.85381	G.L.O. B.C.
112	1423364.82794	982151.40255	B.L.M. B.C.
113	1418077.31352	976805.52396	ALUM CAP 15328
114	1420716.21690	976817.87532	ALUM CAP 15328
116	1423359.79616	979490.86049	B.L.M. B.C.
121	1420727.67546	982032.10749	B.C. MKD ¼
122	1418087.77039	982060.03076	B.C. MKD 1 2 11 12
125	1425971.50636	982182.09581	B.L.M. B.C.
126	1428578.22857	982212.94377	B.L.M. B.C.
127	1428585.46212	984883.15173	B.L.M. B.C.
128	1428592.91702	987554.09659	B.L.M. B.C.
129	1431201.82930	987594.81378	B.L.M. B.C.
130	1433810.39455	987635.60839	B.L.M. B.C.
131	1423375.58789	987478.02788	B.L.M. B.C.
134	1425984.56198	987514.37206	B.L.M. B.C.
137	1423353.53842	992667.58819	B.L.M. B.C.
226	1407517.26408	976916.05588	½" REBAR ILL CAP
837	1418082.54195	979432.77736	(C)
842	1420722.02710	979461.82837	(C)
1001	1423331.59146	997928.82347	B.L.M. B.C.
1003	1423310.73741	1003189.91532	B.L.M. B.C.
1005	1423290.86515	1008450.79103	B.L.M. B.C.
1007	1423272.22269	1013712.02461	B.L.M. B.C.
1009	1423254.84320	1018973.28924	B.L.M. B.C.
1013	1454680.83126	987963.03911	B.L.M. B.C.
1015	1449463.00592	987881.02357	B.L.M. B.C.
1017	1444245.66575	987799.19561	B.L.M. B.C.
1019	1439028.01382	987717.22184	B.L.M. B.C.
1031	1396969.66030	982284.14930	1" OPEN PIPE
1035	1407527.93720	982173.05130	B.C. MKD. SE S14
1036	1410167.57380	982144.23070	B.C. MKD. ¼
1037	1415447.65070	982088.02680	B.C. MKD. ¼
1046	1423303.50820	976838.32590	B.L.M. B.C. MKD RM
1072	1428547.54250	955742.59430	B.L.M. B.C.
1074	1454712.60920	977169.56090	B.L.M. B.C.
1094	1486389.18600	1035626.07780	B.L.M. B.C.
1095	1486495.72050	1018759.44430	B.L.M. B.C.
2500	1423355.20918	976830.43502	(C)
2501	1428580.30621	976893.81429	SET ALUM CAP
2523	1454877.21634	1019030.45605	SET ALUM CAP
2524	1428525.23758	1018982.82000	(C)
2525	1433795.63197	1018992.35075	(C)
2526	1439066.02635	1019001.88151	(C)
2527	1444336.42073	1019011.41226	(C)
2528	1449606.81511	1019020.94302	SET ALUM CAP
2529	1454711.01096	993093.87646	(C)
2530	1454842.17716	1013843.14149	SET ALUM CAP
2531	1454808.03710	1008655.83384	(C)
2532	1454774.79598	1003468.52034	(C)
2533	1454742.45404	998281.20116	(C)
2600	1428581.58411	992755.69633	SET ALUM CAP
2601	1433809.46789	992805.47483	SET ALUM CAP
2605	1439033.66414	998129.05552	SET ALUM CAP
2606	1433799.74760	998073.26428	SET ALUM CAP
2608	1439047.15569	1003342.19328	SET ALUM CAP
2609	1444293.12593	1003441.93063	SET ALUM CAP
2612	1444298.71155	1008595.13256	SET ALUM CAP
2613	1449550.38605	1008602.66918	SET ALUM CAP
2641	1449559.17495	1013822.76937	SET ALUM CAP
2700	1459988.96684	1035857.29394	(C)
2701	1465249.45144	1035790.15581	SET ALUM CAP
2703	1454818.08957	1023924.81253	SET ALUM CAP
2704	1454755.08431	1029214.67327	(C)
2705	1454693.01323	1034504.56611	(C)
2706	1460146.96777	1018985.28742	(C)
2707	1465416.71920	1018940.11879	(C)
2708	1460097.51510	1024080.62852	SET ALUM CAP
2709	1460038.10134	1029279.14198	SET ALUM CAP
2710	1465319.90880	1029233.61139	SET ALUM CAP
2711	1465266.68994	1034399.19773	SET ALUM CAP
2712	1486462.57877	1023847.51368	(C)
2713	1486429.72087	1029028.87316	(C)
2714	1486397.76225	1034210.25846	(C)
2715	1459979.88325	1034454.69948	SET ALUM CAP

SECTION CORNERS

PT.	NORTHING	EASTING	DESCRIPTION
5000	1453189.88020	1035983.99570	G.L.O. B.C.
5001	1453192.72330	1035954.38890	B.L.M. B.C.
5004	1458461.85510	1035924.64180	G.L.O. B.C.
5008	1458515.39120	1035876.09720	B.L.M. B.C.
5014	1474296.46580	1035674.64480	B.L.M. B.C.
5023	1454676.41733	1035932.56738	(C)
6003	1402249.69789	982229.35630	SET ALUM CAP
6012	1412805.15275	982124.23756	SET ALUM CAP
6013	1396961.61355	977002.38543	SET ALUM CAP
6015	1402241.55200	976954.08259	SET ALUM CAP
6019	1412797.34279	976854.37582	SET ALUM CAP

CALCULATED POINTS (CONTINUED FROM RS-14)

PT.	NORTHING	EASTING	DESCRIPTION
6000	1407521.23140	978870.14360	(C)
6004	1396964.95285	979194.25243	(C)
6006	1396964.72430	979044.23580	(C)
6008	1402244.87674	979107.17879	(C)
6009	1402244.64509	978957.16221	(C)
6014	1396964.83858	979119.24411	(C)
6016	1402244.76091	979032.17050	(C)
6017	1407521.38370	978945.15130	(C)
6018	1412800.31230	978858.09408	(C)
6021	1407521.53600	979020.15900	(C)
6022	1412800.20115	978783.08571	(C)
6023	1412800.42346	978933.10244	(C)
6024	1428579.64061	978597.86996	(C)
6025	1428579.61131	978672.88064	(C)
6026	1428579.66991	978522.85928	(C)
10016	1393405.78258	979177.93813	(C)
10017	1428813.71011	978594.00982	(C)
10018	1431911.03719	990838.80722	(C)
10019	1431429.59449	990373.61909	(C)
10022	1431259.14898	989000.19274	(C)
10023	1430738.34471	990020.92560	(C)
10024	1430427.00610	989788.01942	(C)
10025	1430908.78834	991394.35142	(C)
10026	1422072.62928	979476.69352	(C)
10027	1421885.40656	979474.63289	(C)
10028	1425977.31279	984553.60291	(C)
10029	1425977.02705	984436.89861	(C)
10030	1425977.59853	984670.30721	(C)

MISCELLANEOUS MONUMENTATION

PT.	NORTHING	EASTING	DESCRIPTION
120	1442396.95096	1002641.18903	60D NAIL
146	1445058.29265	1005230.39456	B.I.A. B.C.
147	1445155.57712	1005344.49868	B.I.A. B.C.
180	1453118.37671	1014985.82054	60D NAIL
206	1464832.18501	1035854.16356	60D NAIL

ASM CONTROL POINTS

PT.	NORTHING	EASTING	DESCRIPTION
143	1442396.95096	1002641.18903	U.S.G.S. B.C.
2000	1445058.29265	1005230.39456	N.G.S. B.C.
2200	1445155.57712	1005344.49868	N.G.S. B.C.

GENERAL NOTES

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

JUNCTION NAD 83 (1992) 34°53'46.78234" (N) 109°14'17.82759" (W)
GRID COORDINATES (CORPSCON) N= 1418856.20690 E= 978378.55536
GROUND COORDINATES N= 1419292.39806 E= 978679.33290

TOWER NAD 83 (1992) 34°50'24.04416" (N) 109°14'14.39413" (W)
GRID COORDINATES (CORPSCON) N= 1398362.55456 E= 978854.62096
GROUND COORDINATES N= 1398792.40763 E= 979155.54573

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

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

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

COORDINATES WERE SCALED TO SURFACE USING PC SURVEY SOFTWARE AND APPLYING A COMBINED SCALE FACTOR OF 1.0003074245 WITH ORIGIN VALUES OF N=0.0, E=0.0.

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 CORROBORATING EVIDENCE IN THE FIELD; AND A REVIEW AND ANALYSIS OF EXISTING DRAWINGS, PLATS, AND NOTES READILY AVAILABLE AT THE TIME THE SURVEY WAS PREPARED.

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

EXISTING R/W LINE U.S. 191

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 THE FOLLOWING EXISTING DOCUMENTATION:
1) R/W PROJECTS: NON S 113 (MAP 1-T-186), FAS - 113(4) (MAP 1-T-187)

LEFT SIDE			RIGHT SIDE		
PT.	STATION	OFFSET	PT.	STATION	OFFSET
630	1261+61.77	75.00 LT	655	1261+61.77	75.00 RT
6006	1297+22.44	75.00 LT	6004	1297+20.19	75.00 RT
6009	1350+03.07	75.00 LT	6008	1350+00.83	75.00 RT
6000	1402+80.38	75.00 LT	6021	1402+78.21	75.00 RT
6022	1455+60.07	75.00 LT	6023	1455+57.81	75.00 RT
836	1508+41.66	75.00 LT	835	1508+39.48	75.00 RT
625	1534+81.19	75.00 LT	624	1534+79.05	75.00 RT
500	1561+19.57	75.00 LT	510	1540+35.60	75.00 RT
6026	1613+41.68	75.00 LT	832	1543+28.79	75.00 RT
845	1615+74.52	75.00 LT	501	1561+17.36	75.00 RT
			6025	1613+39.15	75.00 RT
			656	1615+74.52	75.00 RT

...\SURVEY\06RW416.SURVEY15.DGN

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-01-T-289
SURVEY	AUGUST 04
DRAWN/DATE	J. R. / Aug 04
ADOT REVIEW	S. McLain

ABSOLUTE SURVEYING AND MAPPING, INC.
1538 N. MAIN ST. SNOWFLAKE, ARIZONA 85937
PH. 928-536-7977 FAX 928-536-9697

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

HIGHWAY NAME: WITCH WELL - ZUNI
FEDERAL IDENTIFICATION NO.: S 061-B-801
TRACS NO.: 061 AP 416 H6630 01R
ROUTE NO.: SR 61
SECTION NAME: Witch Well - New Mexico State Line

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
28728
CLYDE J. KING
Date Signed
ARIZONA, U.S.A.
EXPIRES 03/31/2010

SHEET RS-15

RESULTS OF SURVEY

Click here for US 191 Index

EXISTING R/W LINE (S.R. 61)

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 THE FOLLOWING EXISTING DOCUMENTATION:
1) R/W PROJECTS: NON S 113 (MAP 1-T-186), FAS - 113(4) (MAP 1-T-187)

LEFT SIDE			RIGHT SIDE		
PT.	STATION	OFFSET	PT.	STATION	OFFSET
832	02+70.98	75.02 LT	510	00+00.00	75.00 RT
10026	11+22.27	75.00 LT	516	RAD POINT	
502	33+10.91	75.00 LT	525	02+74.07	75.00 RT
779	37+60.47	75.00 LT	10027	10+10.22	75.00 RT
521	RAD POINT		503	35+17.20	75.00 RT
507	44+64.73	75.00 LT	529	37+60.47	75.00 RT
521	RAD POINT		521	RAD POINT	
780	45+60.29	75.00 LT	508	43+38.82	75.00 RT
10029	74+43.55	75.00 LT	521	RAD POINT	
781	103+88.17	75.00 LT	534	45+60.29	75.00 RT
530	RAD POINT		10030	76+22.38	75.00 RT
782	108+96.40	75.00 LT	535	103+88.17	75.00 RT
509	114+54.18	75.00 LT	530	RAD POINT	
783	115+12.98	75.00 LT	537	108+96.40	75.00 RT
546	RAD POINT		623	113+45.52	75.00 RT
851	115+99.77	75.00 LT	538	115+12.98	75.00 RT
546	RAD POINT		546	RAD POINT	
784	123+51.53	75.00 LT	853	117+98.56	75.00 RT
785	144+17.23	59.35 LT	546	RAD POINT	
10022	RAD POINT		540	123+51.53	75.00 RT
786	147+88.55	59.35 LT	541	144+01.89	89.85 RT
787	155+61.56	88.67 LT	10022	RAD POINT	
10025	RAD POINT		544	148+03.89	89.85 RT
788	162+46.86	88.67 LT	545	155+79.64	60.22 RT
854	185+19.27	75.00 LT	10025	RAD POINT	
789	193+27.72	75.00 LT	556	162+28.78	60.22 RT
526	RAD POINT		856	184+34.25	75.00 RT
790	198+94.48	75.00 LT	557	193+27.72	75.00 RT
857	199+23.62	75.00 LT	526	RAD POINT	
791	215+92.34	75.00 LT	562	198+94.48	75.00 RT
504	RAD POINT		859	200+99.62	75.00 RT
792	220+30.67	75.00 LT	563	215+92.34	75.00 RT
793	234+42.71	75.00 LT	504	RAD POINT	
550	RAD POINT		566	220+30.67	75.00 RT
794	240+82.03	75.00 LT	567	234+42.71	75.00 RT
795	255+56.06	75.00 LT	550	RAD POINT	
558	RAD POINT		574	240+82.03	75.00 RT
862	258+53.18	75.00 LT	575	255+56.06	75.00 RT
558	RAD POINT		558	RAD POINT	
796	265+57.22	75.00 LT	860	256+76.74	75.00 RT
863	273+45.10	75.00 LT	558	RAD POINT	
797	300+77.34	75.00 LT	577	265+57.22	75.00 RT
569	RAD POINT		865	275+17.95	75.00 RT
798	307+98.52	75.00 LT	578	300+77.34	75.00 RT
799	321+65.16	75.00 LT	569	RAD POINT	
616	RAD POINT		579	307+98.52	75.00 RT
868	335+28.69	75.00 LT	582	321+65.16	75.00 RT
616	RAD POINT		616	RAD POINT	
800	336+71.89	75.00 LT	866	333+85.39	75.00 RT
869	347+21.32	75.00 LT	616	RAD POINT	
801	378+49.61	75.00 LT	583	336+71.89	75.00 RT
592	RAD POINT		871	348+97.61	75.00 RT
802	383+17.76	75.00 LT	584	378+49.61	75.00 RT
872	401+81.04	75.00 LT	592	RAD POINT	
803	403+82.56	75.00 LT	585	383+17.76	75.00 RT
611	RAD POINT		874	400+72.63	75.00 RT
804	413+81.50	75.00 LT	586	403+82.56	75.00 RT
875	428+98.77	75.00 LT	611	RAD POINT	
805	438+22.75	75.00 LT	587	413+81.50	75.00 RT
619	RAD POINT		877	430+45.32	75.00 RT
806	446+26.19	75.00 LT	588	438+22.75	75.00 RT
807	450+94.01	75.00 LT	619	RAD POINT	
627	RAD POINT		590	446+26.19	75.00 RT
808	455+15.63	75.00 LT	591	450+94.01	75.00 RT
878	472+30.00	75.00 LT	627	RAD POINT	
809	476+98.91	75.00 LT	595	455+15.63	75.00 RT
641	RAD POINT		880	471+13.86	75.00 RT
810	485+13.52	75.00 LT	596	476+98.91	75.00 RT
811	521+02.38	75.00 LT	641	RAD POINT	
646	RAD POINT		597	485+13.52	75.00 RT
812	528+52.07	75.00 LT	598	521+02.38	75.00 RT
881	529+47.22	75.00 LT	646	RAD POINT	
884	531+94.61	75.00 LT			

EXISTING R/W LINE (S.R. 61)

LEFT SIDE			RIGHT SIDE		
PT.	STATION	OFFSET	PT.	STATION	OFFSET
813	539+74.73	75.00 LT	599	528+52.07	75.00 RT
668	RAD POINT		883	528+64.63	75.00 RT
814	547+69.58	75.00 LT	886	534+60.53	75.00 RT
815	552+20.91	75.00 LT	600	539+74.73	75.00 RT
684	RAD POINT		668	RAD POINT	
816	556+27.72	75.00 LT	601	547+69.58	75.00 RT
887	591+62.70	75.00 LT	602	552+20.91	75.00 RT
817	591+95.46	75.00 LT	684	RAD POINT	
695	RAD POINT		603	556+27.72	75.00 RT
818	599+98.02	75.00 LT	889	590+35.00	75.00 RT
819	606+09.35	75.00 LT	604	591+95.46	75.00 RT
626	RAD POINT		695	RAD POINT	
820	613+98.48	75.00 LT	605	599+98.02	75.00 RT
890	621+56.77	75.00 LT	606	606+09.35	75.00 RT
821	640+96.40	75.00 LT	626	RAD POINT	
704	RAD POINT		607	613+98.48	75.00 RT
822	649+37.21	75.00 LT	892	624+02.37	75.00 RT
893	653+06.51	75.00 LT	609	640+96.40	75.00 RT
823	686+09.94	75.00 LT	704	RAD POINT	
711	RAD POINT		610	649+37.21	75.00 RT
824	690+10.39	75.00 LT	895	652+33.15	75.00 RT
896	711+01.15	75.00 LT	614	686+09.94	75.00 RT
825	717+30.32	75.00 LT	711	RAD POINT	
721	RAD POINT		615	690+10.39	75.00 RT
826	724+42.23	75.00 LT	898	710+21.55	75.00 RT
899	726+33.95	75.00 LT	698	717+30.32	75.00 RT
833	726+96.20	75.00 LT	721	RAD POINT	
			621	724+42.23	75.00 RT
			901	725+77.25	75.00 RT
			622	726+39.18	75.00 RT

EXISTING ADOT R/W MONUMENTATION (U.S. 191)

PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
100	1419326.59949	978675.09514	RAIL	1520+87.36	75.36 LT
101	1419329.07125	978825.46208	RAIL	1520+87.35	75.03 RT
102	1423215.68217	978761.13538	RAIL	1559+74.49	74.80 RT
103	1423212.22078	978611.75523	RAIL	1559+73.50	74.62 LT
104	1425870.52888	978567.45167	RAIL	1586+32.17	75.09 LT
105	1425873.15114	978717.74383	RAIL	1586+32.32	75.23 RT
106	1421276.91898	978792.86926	RAIL	1540+35.47	74.56 RT
210	1428815.10037	978669.33922	RAIL	1615+74.66	75.34 RT
211	1428812.33137	978519.37912	6" WOOD POST	1615+74.37	74.64 LT
212	1412560.50137	978786.53292	RAIL	1453+20.34	75.51 LT
213	1412562.90167	978936.94822	RAIL	1453+20.26	74.93 RT
215	1416200.72187	978726.77482	RAIL	1489+61.05	75.23 LT
216	1416203.23157	978877.04862	RAIL	1489+61.08	75.06 RT
219	1404147.79947	978925.52652	RAIL	1369+06.49	75.25 LT
220	1404150.28187	979075.73682	RAIL	1369+06.50	74.98 RT
221	1401149.59197	978975.29932	RAIL	1339+07.87	74.92 LT
222	1401152.15627	979125.43972	RAIL	1339+07.96	75.24 RT
224	1398791.38507	979165.29312	RAIL	1315+46.85	76.16 RT
225	1398789.14167	979014.13772	RAIL	1315+47.10	75.01 LT
228	1395772.89597	979063.91562	RAIL	1285+30.45	74.98 LT
229	1395775.46217	979214.35482	RAIL	1285+30.53	75.49 RT
230	1393407.00177	979253.30632	RAIL	1261+61.75	75.38 RT
231	1393404.56806	979102.85402	RAIL	1261+61.80	75.09 LT

EXISTING ADOT R/W MONUMENTATION (S.R. 61)

PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
107	1421863.31926	979444.37222	4" WOOD POST	09+72.75	75.00 RT
109	1423507.00056	981695.96019	4" WOOD POST	37+60.46	75.04 RT
110	1423628.22221	981607.48244	6" WOOD POST	37+60.48	75.04 LT
119	1442481.79821	1002517.37613	4" WOOD POST	321+64.60	75.03 LT
142	1445955.18468	1006282.64070	4" WOOD POST	372+81.18	75.13 LT
148	1443616.06662	1003538.50311	4" WOOD POST	336+75.38	75.84 LT
149	1443501.66300	1003636.08135	4" WOOD POST	336+75.40	74.53 RT
150	1441355.77969	1001744.16605	4" WOOD POST	307+98.67	75.02 LT
151	1441270.82057	1001867.82211	4" WOOD POST	307+98.63	75.01 RT
152	1439987.20660	1000309.19234	4" WOOD POST	287+91.37	74.98 LT
153	1439874.07491	1000408.26617	4" WOOD POST	287+91.66	75.40 RT
155	1438518.30326	998625.41137	4" WOOD POST	265+56.92	74.93 LT
156	1438404.98796	998723.58669	2" WOOD POST	265+56.40	75.00 RT
157	1436546.33118	997114.09428	4" WOOD POST	240+81.13	75.08 RT
158	1433788.79926	993959.27311	4" WOOD POST	198+95.04	75.00 LT
159	1431957.91935	991078.81725	4" WOOD POST	164+69.64	75.35 RT
160	1432089.66150	991006.57428	4" WOOD POST	164+70.35	74.90 LT
161	1429065.80788	988240.77252	2" WOOD POST	123+50.99	75.27 LT
162	1428956.93502	988344.05861	2" WOOD POST	123+51.16	74.80 RT
163	1428420.16678	987687.06047	4" WOOD POST	115+12.97	74.96 RT
164	1428542.92991	987601.00593	4" WOOD POST	115+13.01	74.96 RT
165	1428064.70551	987180.37410	2" WOOD POST	108+94.00	75.00 RT
166	1427759.82526	986784.56449	4" WOOD POST	103+87.59	75.02 RT
167	1427874.49183	986687.82498	4" WOOD POST	103+87.53	75.00 LT
168	1424003.92694	982329.47930	4" WOOD POST	45+60.54	75.33 RT
169	1424118.76778	982232.56213	2" WOOD POST	45+60.46	74.94 LT
170	1446210.17549	1006813.15107	3" WOOD POST	378+50.31	75.07 RT
171	1446324.74058	1006716.09603	6" WOOD POST	378+50.77	75.07 LT
172	1446491.66729	1007172.32663	4" WOOD POST	383+12.85	75.47 RT
173	1447824.68989	1008765.03903	4" WOOD POST	403+84.43	74.96 LT
174	1447702.88982	1008852.75245	4" WOOD POST	403+84.34	75.14 RT
175	1448362.34987	1009617.24685	2" WOOD POST	413+82.16	75.14 RT
176	1450773.80278	1011795.10349	6" WOOD POST	446+24.62	75.00 LT
177	1451086.16842	1012145.12275	2" WOOD POST	450+93.74	75.00 LT
178	1452688.46570	1014205.32633	4" WOOD POST	476+98.50	74.91 LT
179	1452569.67906	1014296.61350	4" WOOD POST	476+98.53	74.91 RT
181	1454257.19243	1018329.16787	6" WOOD POST	521+00.46	74.91 RT
182	1454397.22543	1018275.13867	4" WOOD POST	521+00.83	75.19 LT
183	1454578.68514	1019019.50982	4" WOOD POST	528+52.73	75.03 RT
184	1454710.27719	1018947.40490	4" WOOD POST	528+52.77	75.03 LT
185	1455250.01811	1019931.88983	4" WOOD POST	539+75.52	75.00 LT
186	1456074.03246	1021367.39054	4" WOOD POST	556+29.30	74.85 RT
187	1456190.83511	1021273.60942	4" WOOD POST	556+29.19	74.95 LT
188	1457263.55143	1022611.76095	6" WOOD POST	573+44.23	74.93 LT
189	1457146.26116	1022705.38995	4" WOOD POST	573+43.92	75.14 RT
190	1458304.96379	1024150.19383	4" WOOD POST	591+95.97	74.77 RT
191	1458421.88938	1024056.79773	4" WOOD POST	591+96.22	74.87 LT
192	1459129.75051	1025292.66723	4" WOOD POST	606+10.68	75.06 RT
193	1459253.11817	1025207.13907	4" WOOD POST	606+10.58	75.06 LT
194	1459552.19465	1025949.75640	8" WOOD POST	613+97.15	74.99 RT
195	1459681.17884	1025873.23372	4" WOOD POST	613+97.36	74.99 LT
196	1460932.62475	1028269.44960	4" WOOD POST	640+96.52	75.10 RT
197	1461061.73370	1028192.68433	6" WOOD POST	640+96.58	75.10 LT
198	1461331.60209	1028998.52462	8" WOOD POST	649+33.28	74.78 RT
199	1463108.06636	1032217.40591	6" WOOD POST	686+06.79	75.26 LT
200	1463161.43179	1032644.65294	6" WOOD POST	690+10.29	75.04 RT
201	1463293.22960	1032572.86411	6" WOOD POST	690+10.23	75.04 LT
202	1464462.23671	1035034.73694	6" WOOD POST	717+31.44	75.03 RT
203	1464593.91168	1034962.75001	6" WOOD POST	717+31.13	75.03 LT
204	1464991.01044	1035851.95917	RAIL	726+96.49	75.01 LT

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

DRAWING NO.	D-01-T-289
SURVEY	AUGUST 04
DRAWN/DATE	J. R. / Aug 04
ADOT REVIEW	S. McLain

ABSOLUTE SURVEYING AND MAPPING, INC.
15130 N. MAIN ST, SHOWLOW, ARIZONA 85937
PH. 928-536-7971 FAX 928-536-3697

ROUTE NO.: SR 61

SECTION NAME: Witch Well - New Mexico State Line

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

HIGHWAY NAME: WITCH WELL - ZUNI

FEDERAL IDENTIFICATION NO.: S 061-B-801

TRACS NO.: 061 AP 416 H6630 01R

REGISTERED LAND SURVEYOR — CERTIFICATE NO. 28729 — CLYDE J. KING — Date Signed — ARIZONA, U.S.A.

EXPIRES 03/31/2010

SHEET RS-16