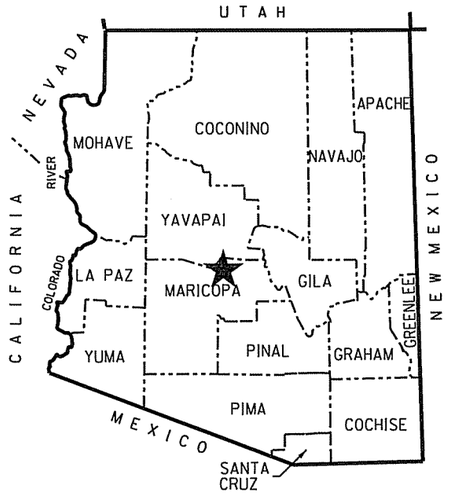
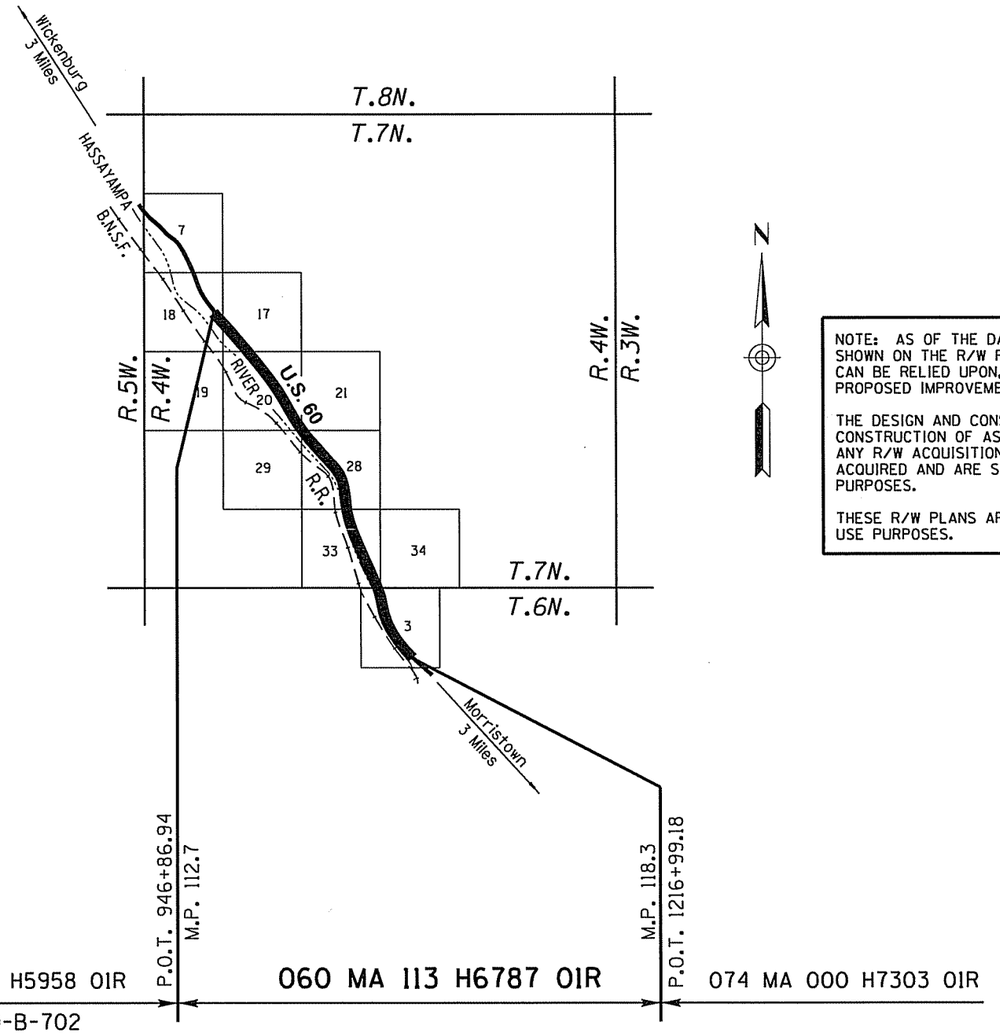
RIGHT OF WAY PLANS OF THE
WICKENBURG - PHOENIX HIGHWAY
TURTLEBACK WASH - HASSAYAMPA RIVER
060 MA 113 H6787 01R



★ PROJECT LOCATION
COUNTY NAME: MARICOPA
LENGTH OF PROJECT: 5.6 MILES
ADOT DISTRICT: PRESCOTT (P)
DRAWING NUMBER: D-7-T-974

Click here for US 60 Index



NOTE: AS OF THE DATE OF THE SEAL OF THIS PLAN SET, ALL INFORMATION SHOWN ON THE R/W PLANS AND RESULTS OF SURVEY IS ACCURATE AND CAN BE RELIED UPON, EXCEPT FOR THE NEW DRAINAGE EASEMENTS AND PROPOSED IMPROVEMENTS.

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THESE R/W PLANS ARE ON FILE FOR EXISTING R/W DOCUMENTATION AND FUTURE USE PURPOSES.

ARIZONA DEPARTMENT OF TRANSPORTATION

INTERMODAL TRANSPORTATION DIVISION

ADOT

"Pursuant to AAC R4-30-301(19), PLS Jim Crume (#19817) of Ritoch-Powell & Associates, Inc., has sealed and signed this document as the Prime Professional for work completed while an employee of Hubbard Engineering, Inc. Hubbard Engineering, Inc. accepts all liability for work completed by Mr. Crume up to the date the plans were sealed and signed."

APPROVED IN ACCORDANCE WITH ARIZONA DEPARTMENT OF TRANSPORTATION BOARD RESOLUTION 2007-01-A-002 DATED 1-19-07

SHEET INDEX

COVER SHEET	1
STANDARD ABBREVIATIONS & SYMBOLS	S-1
OWNERSHIP RECORD SHEET	ORS-1
VICINITY MAP SHEET	VM-1
PLAN SHEET	P-1 TO P-4
RESULTS OF SURVEY	RS-1 TO RS-17
TOTAL	25

060-rw113_cvr.dgn

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2011.11.21 08:58:38 -07'00'
(Expires 6-30-14)
ELECTRONIC SEAL
http://www.btr.state.az.us/

HUBBARD ENGINEERING 480-892-3313
Ritoch-Powell & Associates 602-263-1177

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
Final Order of Condemnation	FOC
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	QCD
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	SWD
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	WD

Boundary Lines
- City Limit Line
- County Line
- Forest-City Limit Line
- Forest-Reservation Line
- Land Grant Boundary Line
- National-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 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 (1)
- Data Hex (1)
- Data Square (1)
- Dimension Arrow
- Dimension Tie
- Exist. ADOT R/W Monument
- New R/W Monument or R/W control point
- Centerline Control or Supplemental Monument

- Property Anchor Bar
- Property-Lease & Unpatented Mining Claim Anchor Bar
- Property Limit Arrow
- Property-Lease & Unpatented Mining Claim Limit Arrow
- Parcel Bubble (7-8858)
- Survey Control Pt or Angle Point

T.1S. R.6E.

SECTION 7
MARICOPA CO.

North Arrow

- Found or Set Section Corner (31 | 32 / 6 | 5)
- Unfound Section Corner (31 | 32 / 6 | 5)
- Found or Set Quarter Corner (4 ○ 3)
- Unfound Quarter Corner (4 / 9)
- Found or Set Center Quarter Corner (3)
- Unfound Center Quarter Corner (3)

MP 115

Mile Post Marker (approximate location)

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060rw113_std.dgn

DRAWING NO.	D-7-T-974	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
SURVEY	See Attached survey	HIGHWAY NAME: WICKENBURG - PHOENIX	Professional Land Surveyor AZ No. 19817 Digitally signed by Jim Crume Date: 2011.11.21 08:59:00 -07'00' (Expires 6-30-14) ELECTRONIC SEAL http://www.btr.state.az.us/
DRAWN/DATE	J Crume/FEB 07		
ADOT REVIEW	Paul Pokatello	FEDERAL AID NO.: Unassigned	
HUBBARD ENGINEERING 480-892-3313	Ritoch-Powell & Associates 602-263-1177	PROJECT NO.: 060 MA 113 H6787 01R	
ROUTE NO.: U.S. 60	LOCATION: Turtleback Wash - Hassayampa River		SHEET S-1

OWNERSHIP RECORD

NOTES	PARCEL NUMBER	OWNER	DESCRIPTION OF AREA REQUIRED	TOTAL AREA	AREA REQUIRED: GROSS INCLUDING (EXISTING R/W)	AREA REQUIRED: NET EXCLUDING (EXISTING R/W)	AREA REQUIRED: NEW EASEMENTS	REMAINDER: LEFT	REMAINDER: RIGHT	SHEET NO.	ACQUIRED: TYPE	ACQUIRED: DOCUMENT
(1) (2)	~~7 10522~~	~~The Nature Conservancy~~	Sec. 33 T. 7N. R. 4W. Tract No. 37 T. 6N. R. 4W.	(1) ~~16,220,269~~			(2) ~~65,220 DE~~		(1) ~~16,220,269~~	~~P 1 TO P 4~~		

(1) NOTE:
The Total and Remaining Area are based upon a best fit of record geometric data and a field survey of spot locations along the Railroad Track centerline to determine the westerly parcel line which is common to the Railroad Right of Way line, for area calculations.

(2) NOTE:
New Drainage Easement to be acquired for Construction Project 060 MA 116 H8062 01C.

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ALL AREAS ARE IN SQUARE FEET UNLESS OTHERWISE NOTED

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060rw113_ors.dgn

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

DRAWING NO.	D-7-T-974
SURVEY	See Attached survey
DRAWN/DATE	J Crume/ FEB 07
ADOT REVIEW	Paul Pokatello
HUBBARD ENGINEERING	Ritoch-Powell & Associates
480-892-3313	602-263-1177
ROUTE NO.:	U.S. 60
LOCATION:	Turtleback Wash - Hassayampa River

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

HIGHWAY NAME: WICKENBURG - PHOENIX
FEDERAL AID NO.: Unassigned
PROJECT NO.: 060 MA 113 H6787 01R

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2011.11.21 09:02:43 -07'00'
(Expires 6-30-14)
ELECTRONIC SEAL
http://www.btr.state.az.us/

SHEET ORS-1

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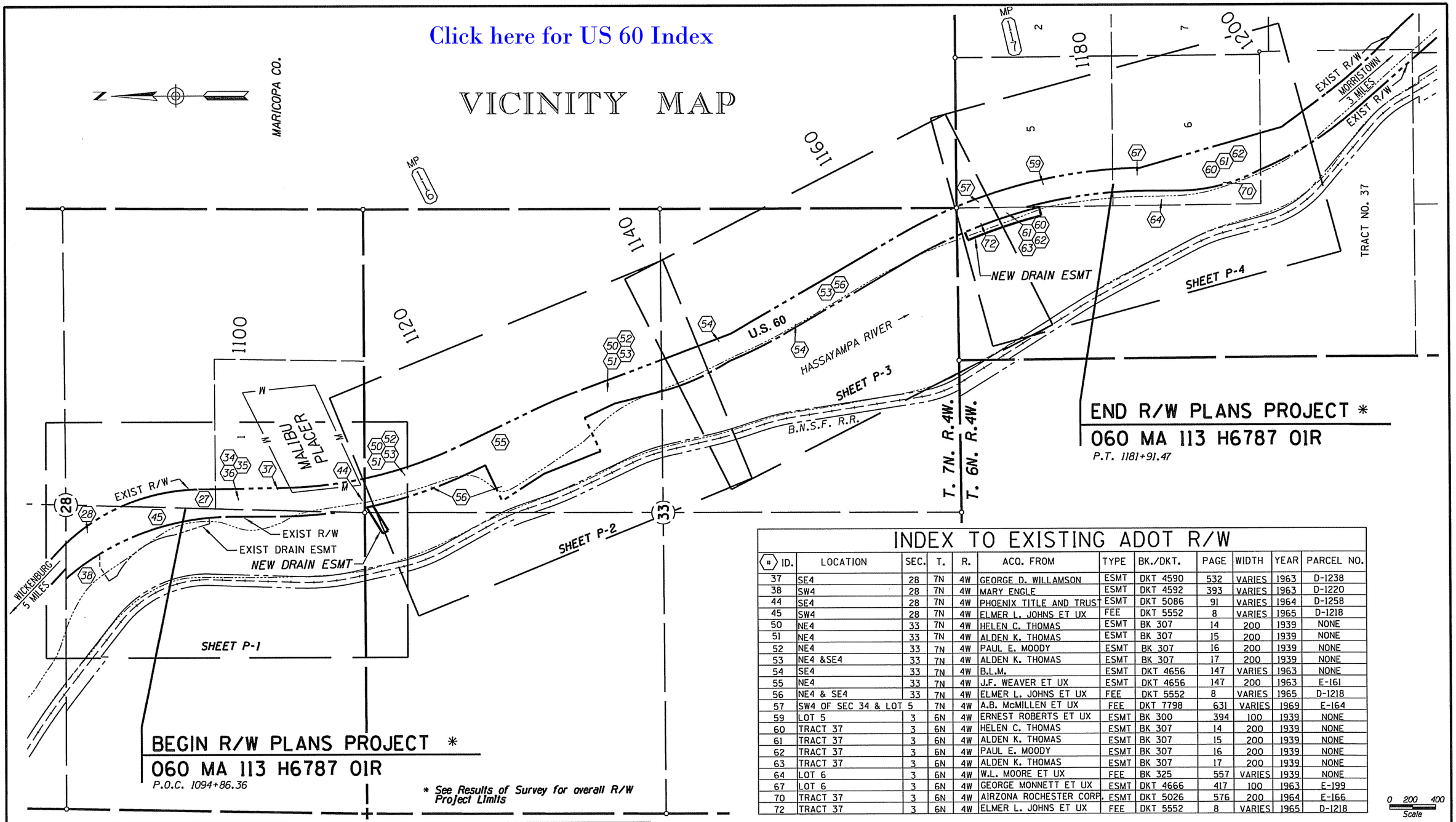
VICINITY MAP



INDEX TO EXISTING ADOT R/W

ID.	LOCATION	SEC.	T.	R.	ACQ. FROM	TYPE	BK./DKT.	PAGE	WIDTH	YEAR	PARCEL NO.
37	SE4	28	7N	4W	GEORGE D. WILLAMSON	ESMT	DKT 4590	532	VARIES	1963	D-1238
38	SW4	28	7N	4W	MARY ENGLE	ESMT	DKT 4592	393	VARIES	1963	D-1220
44	SE4	28	7N	4W	PHOENIX TITLE AND TRUST	ESMT	DKT 5086	91	VARIES	1964	D-1258
45	SW4	28	7N	4W	ELMER L. JOHNS ET UX	FEE	DKT 5552	8	VARIES	1965	D-1218
50	NE4	33	7N	4W	HELEN C. THOMAS	ESMT	BK 307	14	200	1939	NONE
51	NE4	33	7N	4W	ALDEN K. THOMAS	ESMT	BK 307	15	200	1939	NONE
52	NE4	33	7N	4W	PAUL E. MOODY	ESMT	BK 307	16	200	1939	NONE
53	NE4 &SE4	33	7N	4W	ALDEN K. THOMAS	ESMT	BK 307	17	200	1939	NONE
54	SE4	33	7N	4W	B.L.M.	ESMT	DKT 4656	147	VARIES	1963	NONE
55	NE4	33	7N	4W	J.F. WEAVER ET UX	ESMT	DKT 4656	147	200	1963	E-161
56	NE4 & SE4	33	7N	4W	ELMER L. JOHNS ET UX	FEE	DKT 5552	8	VARIES	1965	D-1218
57	SW4 OF SEC 34 & LOT 5		7N	4W	A.B. McMILLEN ET UX	FEE	DKT 7798	631	VARIES	1969	E-164
59	LOT 5	3	6N	4W	ERNEST ROBERTS ET UX	ESMT	BK 300	394	100	1939	NONE
60	TRACT 37	3	6N	4W	HELEN C. THOMAS	ESMT	BK 307	14	200	1939	NONE
61	TRACT 37	3	6N	4W	ALDEN K. THOMAS	ESMT	BK 307	15	200	1939	NONE
62	TRACT 37	3	6N	4W	PAUL E. MOODY	ESMT	BK 307	16	200	1939	NONE
63	TRACT 37	3	6N	4W	ALDEN K. THOMAS	ESMT	BK 307	17	200	1939	NONE
64	LOT 6	3	6N	4W	W.L. MOORE ET UX	FEE	BK 325	557	VARIES	1939	NONE
67	LOT 6	3	6N	4W	GEORGE MONNETT ET UX	ESMT	DKT 4666	417	100	1963	E-199
70	TRACT 37	3	6N	4W	AIRZONA ROCHESTER CORP.	ESMT	DKT 5026	576	200	1964	E-166
72	TRACT 37	3	6N	4W	ELMER L. JOHNS ET UX	FEE	DKT 5552	8	VARIES	1965	D-1218

0 200 400
Scale

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INDEX TO EXISTING ADOT R/W

ID.	LOCATION	SEC.	T.	R.	ACQ. FROM	TYPE	BK./DKT.	PAGE	WIDTH	YEAR	PARCEL NO.
27	SE4	28	7N	4W	WOODRUFF MADLINE	ESMT	BK 257	346	100	1931	NONE
28	SW4	28	7N	4W	GEORGE H. BRUMM ET UX	ESMT	BK 300	395	100	1936	NONE
34	SE4	28	7N	4W	GEORGE H. BRUMM ET UX	ESMT	BK 307	18	200	1939	NONE
35	SE4	28	7N	4W	W.H. PAGETT ET UX	ESMT	BK 331	308	100	1939	NONE
36	SE4	28	7N	4W	HERCULES MALAPANEE	ESMT	DKT 4587	288	VARIES	1963	D-1241

( ) - REFERS TO ITEM NUMBER IN EXISTING R/W REPORT DATED 5/15/07

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

DRAWING NO.	D-7-T-974
SURVEY	See Attached survey
DRAWN/DATE	J. Crume/FEB 07
ADOT REVIEW	Paul Pokatello
HUBBARD ENGINEERING 480-892-3313	Ritoch-Powell & Associates 602-263-1177
ROUTE NO.:	U.S. 60
LOCATION:	Turtleback Wash - Hassayampa River

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

HIGHWAY NAME: WICKENBURG - PHOENIX
FEDERAL AID NO.: Unassigned
PROJECT NO.: 060 MA 113 H6787 01R
SHEET VM-1

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2011.11.21 09:02:59 -07'00'
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BEGIN R/W PLANS PROJECT*
060 MA 113 H6787 01R

T.7N. R.4W.

MARICOPA CO.

1/4 Cor. Fd. GLO Brass Cap

S89°48'02"E 2572.08' Mid Sec Line

C 1/4 Cor. Fd. 3/4" pipe, Added Tag PLS 19817

764.61'

P.O.C. 1092+02.19 WB EXIST R/W ℄
L.T.B. S13°52'06"E MID SEC LINE TIE

P.O.C. 1094+86.36 EB EXIST R/W ℄
L.T.B. S07°35'54"E MID SEC LINE TIE

338.24'

U.S. 60

S00°25'16"W

S00°25'16"W
S02°19'09"W 2603.42'
Mid Sec Line

See Detail "B"

DETAIL "B"
S89°34'44"E 20.00'
S89°34'44"E 20.00'

Approx ⅛ Line

P.O.T. 1100+51.69 BK WB EXIST R/W ℄ END EQUA
P.O.T. 1100+46.02 AHD MED EXIST R/W ℄ BEGIN
T.S. 1101+46.33 MED EXIST R/W ℄

MALIBU PLACER

(C04) MED EXIST R/W ℄ CURVE DATA
PI 1111+41.85

SPIRAL
a=0.50
Δ=2°15'00"
L=300.00'

TOTAL CURVE
Δ=24°57'25" LT
T=995.52'
L=1963.80'

MAIN CURVE
Δ=20°27'25" LT
D=1°30'00"
L=1363.80'
R=3819.72'

S.C. 1104+46.33 MED EXIST R/W ℄

LOT 1
SW 4 SE 4

P.O.C. 1110+43.71 MED EXIST R/W ℄
L.T.B. S10°47'23"E SEC LINE TIE

EXIST R/W
1938 Exist R/W ℄
Median Exist R/W ℄ (C04)

123.54'
168.54'
100'
VARIES

See Detail "A"

Sec. Cor. Fd. GLO Brass Cap

S89°27'20"E 2633.09' Section Line

NW 4 NE 4

SHEET P-2

1/4 Cor. Fd. GLO Brass Cap

NEW DRAIN ESMT

S58°49'44"W 249.96'
N59°49'44"E 210.06'

N31°10'16"W 55.00'

MATCH LINE

River Bank

7-10522
See Parcel Insert on Sheet P-3

EXIST R/W
WB Exist R/W ℄ (C02)
EB Exist R/W ℄ (C01)
EXIST DRAIN ESMT
100'

C.S. 1094+35.44 WB EXIST R/W ℄
C.S. 1096+19.63 EB EXIST R/W ℄
S.T. 1097+85.44 WB EXIST R/W ℄
P.C.C. 1090+91.29 WB EXIST R/W ℄
3 W
S.C. 1083+56.16 WB EXIST R/W ℄

S.T. 1099+94.63 BK EB EXIST R/W ℄ END EQUA
P.O.T. 1100+46.02 AHD MED EXIST R/W ℄ BEGIN

Approx ⅛ Line

HASSAYAMPA RIVER

NE 4 SW 4
SE 4 SW 4
NE 4 NW 4

Assumed Section Line

1085
1090
1095
1100
1105
1110

S89°15'27"E 2649.86' Mid Sec Line

29 28 — 1/4 Cor. Fd. GLO Brass Cap

* See Results of Survey for overall R/W Project Limits

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(C01) EB EXIST R/W ℄ CURVE DATA
PI 1089+25.13

TOTAL CURVE
Δ=46°58'27" RT
T=1184.47'
L=2253.97'

MAIN CURVE
Δ=37°35'57" RT
D=2°30'00"
L=1503.97'
R=2291.83'

SPIRAL
a=0.67
Δ=4°41'15"
L=375.00'

(C02) WB EXIST R/W ℄ CURVE DATA
PI ---
Δ=22°03'13" RT
D=3°00'00"
T=372.17'
L=735.12'
R=1909.86'

(C03) WB EXIST R/W ℄ CURVE DATA
PI ---
Δ=12°02'45" RT
D=3°30'00"
T=172.72'
L=344.16'
R=1637.02'

SPIRAL
a=1.00
Δ=6°07'30"
L=350.00'

NOTE:
The Railroad Road Right of Way line is approximate. It is a best fit of record geometric data and a field survey of spot locations along the Railroad Track centerline.

MEDIAN EXIST R/W ℄

A	P.O.C. 1111+69.14	359.79'	RT
B	P.O.C. 1111+21.67	377.56'	RT

River Bank
B.N.S.F. R.R.
50'

123.54' RT P.O.C. 1110+35.58
L.T.B. S10°40'04"E MED EXIST R/W ℄
L.T.B. S10°25'49"E
S89°27'20"E 42.62'

R=3943.26' L=58.56'

123.54' RT P.O.C. 1110+92.30
L.T.B. S11°31'07"E MED EXIST R/W ℄

R=3943.26' L=16.35'

DETAIL "A"

Not Searched For

29 28 / 32 33

0 50 100 Scale

060-w113_p01.dgn

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-7-T-974
SURVEY	See Attached survey
DRAWN/DATE	C. Crume June 2010
ADOT REVIEW	Paul Pokatello
HUBBARD ENGINEERING	Ritoch-Powell & Associates
480-892-3313	602-263-1177
ROUTE NO.:	U.S. 60
LOCATION:	Turtleback Wash - Hassayampa River

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

HIGHWAY NAME: WICKENBURG - PHOENIX
FEDERAL AID NO.: Unassigned
PROJECT NO.: 060 MA 113 H6787 01R
SHEET P-1

Professional Land Surveyor AZ No. 19817
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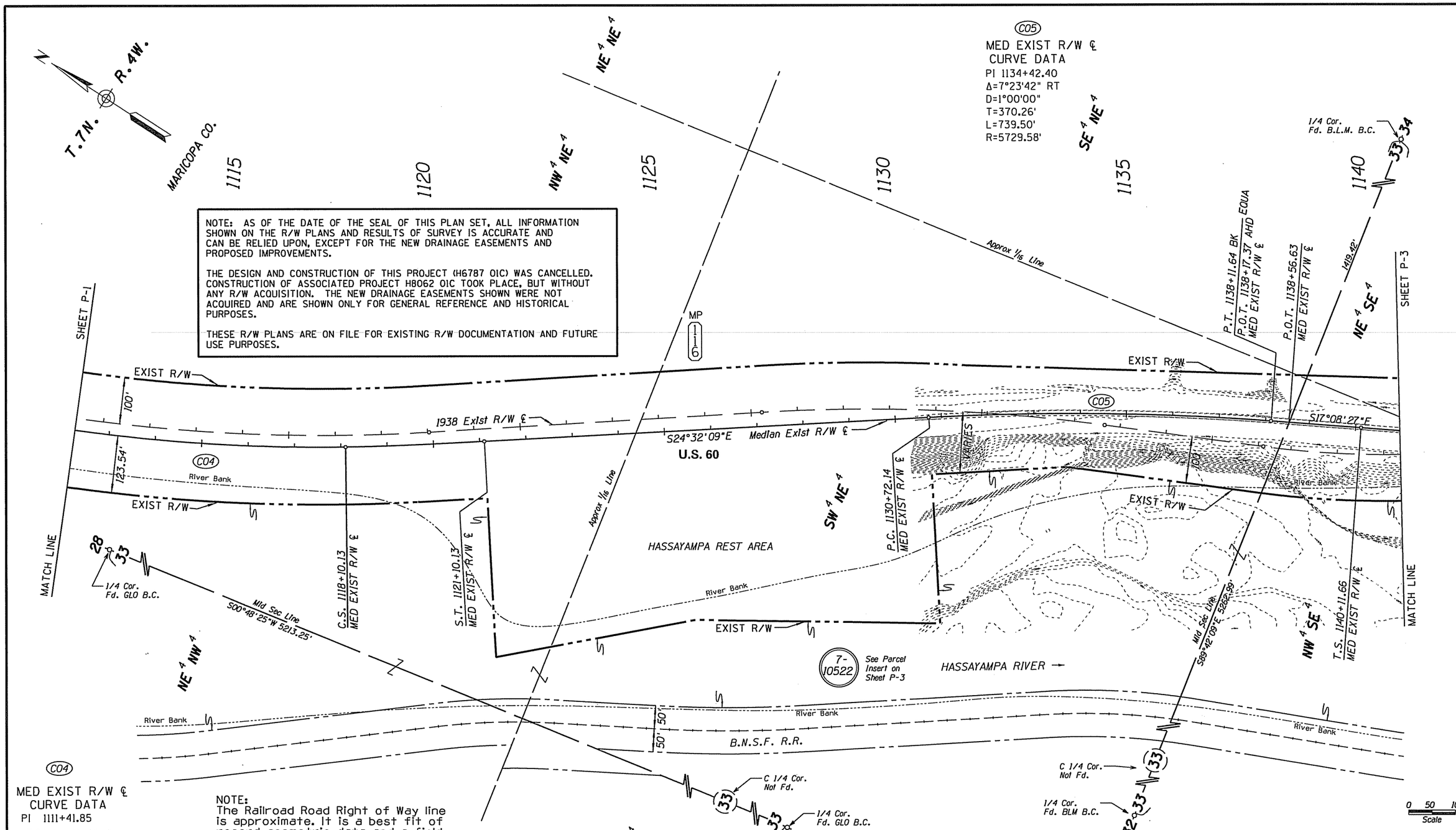

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C05
MED EXIST R/W ℄
CURVE DATA
PI 1134+42.40
Δ=7°23'42" RT
D=1°00'00"
T=370.26'
L=739.50'
R=5729.58'

C04
MED EXIST R/W ℄
CURVE DATA
PI 1111+41.85
TOTAL CURVE
Δ=24°57'25" LT
T=995.52'
L=1963.80'
MAIN CURVE
Δ=20°27'25" LT
D=01°30'00"
L=1363.80'
R=3819.72'
SPIRAL
a=0.50
Δ=2°15'00"
L=300.00'

NOTE:
The Railroad Road Right of Way line is approximate. It is a best fit of record geometric data and a field survey of spot locations along the Railroad Track centerline.

Click here for US 60 Index

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

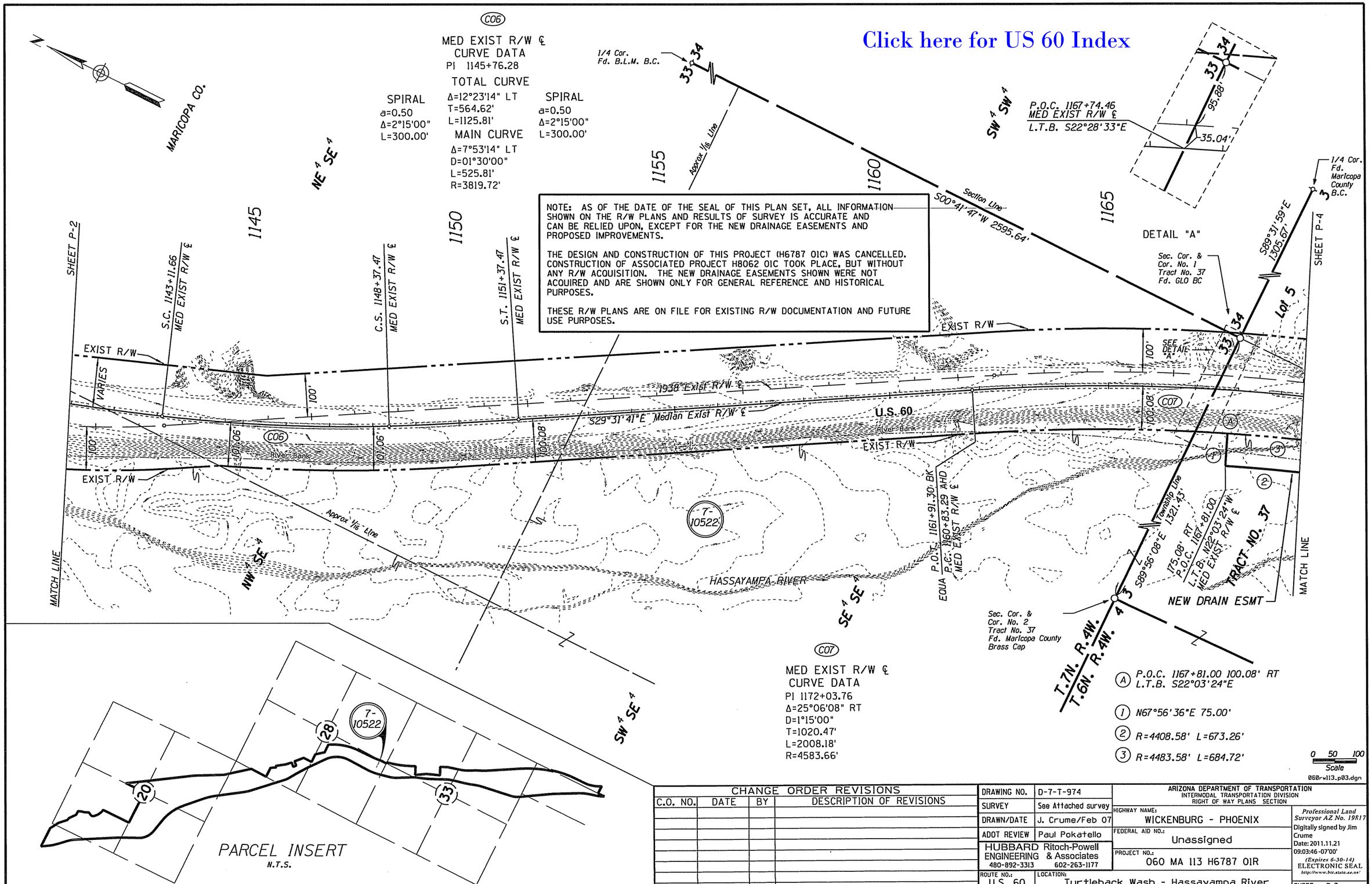
DRAWING NO.	D-7-T-974
SURVEY	See Attached survey
DRAWN/DATE	J. Crume/ FEB 07
ADOT REVIEW	Paul Pokatello
HUBBARD ENGINEERING 480-892-3313	Ritoch-Powell & Associates 602-263-1177
ROUTE NO.: U.S. 60	LOCATION: Turtleback Wash - Hassayampa River

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

HIGHWAY NAME: WICKENBURG - PHOENIX
FEDERAL AID NO.: Unassigned
PROJECT NO.: 060 MA 113 H6787 01R

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2011.11.21 09:03:31 -07'00'
(Expires 6-30-14)
ELECTRONIC SEAL
http://www.btr.state.az.us/

SHEET P-2



NOTE: AS OF THE DATE OF THE SEAL OF THIS PLAN SET, ALL INFORMATION SHOWN ON THE R/W PLANS AND RESULTS OF SURVEY IS ACCURATE AND CAN BE RELIED UPON, EXCEPT FOR THE NEW DRAINAGE EASEMENTS AND PROPOSED IMPROVEMENTS.

THE DESIGN AND CONSTRUCTION OF THIS PROJECT (H6787 01C) WAS CANCELLED. CONSTRUCTION OF ASSOCIATED PROJECT H8062 01C TOOK PLACE, BUT WITHOUT ANY R/W ACQUISITION. THE NEW DRAINAGE EASEMENTS SHOWN WERE NOT ACQUIRED AND ARE SHOWN ONLY FOR GENERAL REFERENCE AND HISTORICAL PURPOSES.

THESE R/W PLANS ARE ON FILE FOR EXISTING R/W DOCUMENTATION AND FUTURE USE PURPOSES.

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

DRAWING NO.	D-7-T-974
SURVEY	See Attached survey
DRAWN/DATE	J. Crume/Feb 07
ADOT REVIEW	Paul Pokatello
HUBBARD ENGINEERING 480-892-3313	Ritoch-Powell & Associates 602-263-1177
ROUTE NO.: U.S. 60	LOCATION: Turtleback Wash - Hassayampa River

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

HIGHWAY NAME: WICKENBURG - PHOENIX
FEDERAL AID NO.: Unassigned
PROJECT NO.: 060 MA 113 H6787 01R

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2011.11.21 09:03:46 -07'00'
(Expires 6-30-14)
ELECTRONIC SEAL
http://www.btr.state.az.us/

SHEET P-3

Click here for US 60 Index

N

T.6N. R.4W.

MARICOPA CO.

1170 1175 Lot 5 1180 1185 1190 Lot 6 1195

TRACT NO. 37

END R/W PLANS PROJECT*
060 MA 113 H6787 01R

MP 117

SHEET P-3

EXIST R/W

100'

100.08'

1938 Exist R/W ℄

Median Exist R/W ℄

(C07)

EXIST R/W

R=4483.58' L=684.72'

(A)

(1)

R=4408.58' L=673.26'

175.08' RT
P.O.C. 1174+81.00
L.T.B. N13°18'24"W
MED EXIST R/W ℄

NEW DRAIN ESMT

MATCH LINE

(A) P.O.C. 1174+81.00 100.08' RT
L.T.B. N13°18'24"W

(1) S76°41'36"W 75.00'

River Bank

Lot Line

7-10522

See Parcel Insert on Sheet P-3

HASSAYAMPA RIVER

Approx Lot Line

S04°25'33"E

S.C. 1186+91.47
MED EXIST R/W ℄

P.T. 1181+91.47
MED EXIST R/W ℄

T.S. 1183+91.47
MED EXIST R/W ℄

(C08)

MED EXIST R/W ℄
CURVE DATA
PI 1194+72.39

TOTAL CURVE
Δ=35°59'18" LT
T=1080.92'
L=2099.42'

MAIN CURVE
Δ=29°59'18" LT
D=2°00'00"
L=1499.42'
R=2864.79'

SPIRAL
a=0.67
Δ=3°00'00"
L=300.00'

Cor. No. 5
Tract No. 37
Fd. GLO B.C.

Approx Mid Sec Line

Lot Line

EXIST R/W

151.31'

U.S. 60

River Bank

EXIST R/W

NOTE: AS OF THE DATE OF THE SEAL OF THIS PLAN SET, ALL INFORMATION SHOWN ON THE R/W PLANS AND RESULTS OF SURVEY IS ACCURATE AND CAN BE RELIED UPON, EXCEPT FOR THE NEW DRAINAGE EASEMENTS AND PROPOSED IMPROVEMENTS.

THE DESIGN AND CONSTRUCTION OF THIS PROJECT (H6787 01C) WAS CANCELLED. CONSTRUCTION OF ASSOCIATED PROJECT H8062 01C TOOK PLACE, BUT WITHOUT ANY R/W ACQUISITION. THE NEW DRAINAGE EASEMENTS SHOWN WERE NOT ACQUIRED AND ARE SHOWN ONLY FOR GENERAL REFERENCE AND HISTORICAL PURPOSES.

THESE R/W PLANS ARE ON FILE FOR EXISTING R/W DOCUMENTATION AND FUTURE USE PURPOSES.

River Bank

B.N.S.F. R.R.

50' 50'

River Bank

(C07)

MED EXIST R/W ℄
CURVE DATA
PI 1172+03.76
Δ=25°06'08" RT
D=1°15'00'
T=1020.47'
L=2008.18'
R=4583.66'

NOTE:
The Railroad Road Right of Way line is approximate. It is a best fit of record geometric data and a field survey of spot locations along the Railroad Track centerline.

* *See Results of Survey for overall R/W Project Limits*

0 50 100
Scale

060rw113_p04.dgn

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

DRAWING NO.	D-7-T-974
SURVEY	See Attached survey
DRAWN/DATE	J. Crume/Feb 07
ADOT REVIEW	Paul Pokatello
HUBBARD ENGINEERING 480-892-3313	Ritoch-Powell & Associates 602-263-1177
ROUTE NO.: U.S. 60	LOCATION: Turtleback Wash - Hassayampa River

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

HIGHWAY NAME: WICKENBURG - PHOENIX
FEDERAL AID NO.: Unassigned
PROJECT NO.: 060 MA 113 H6787 01R

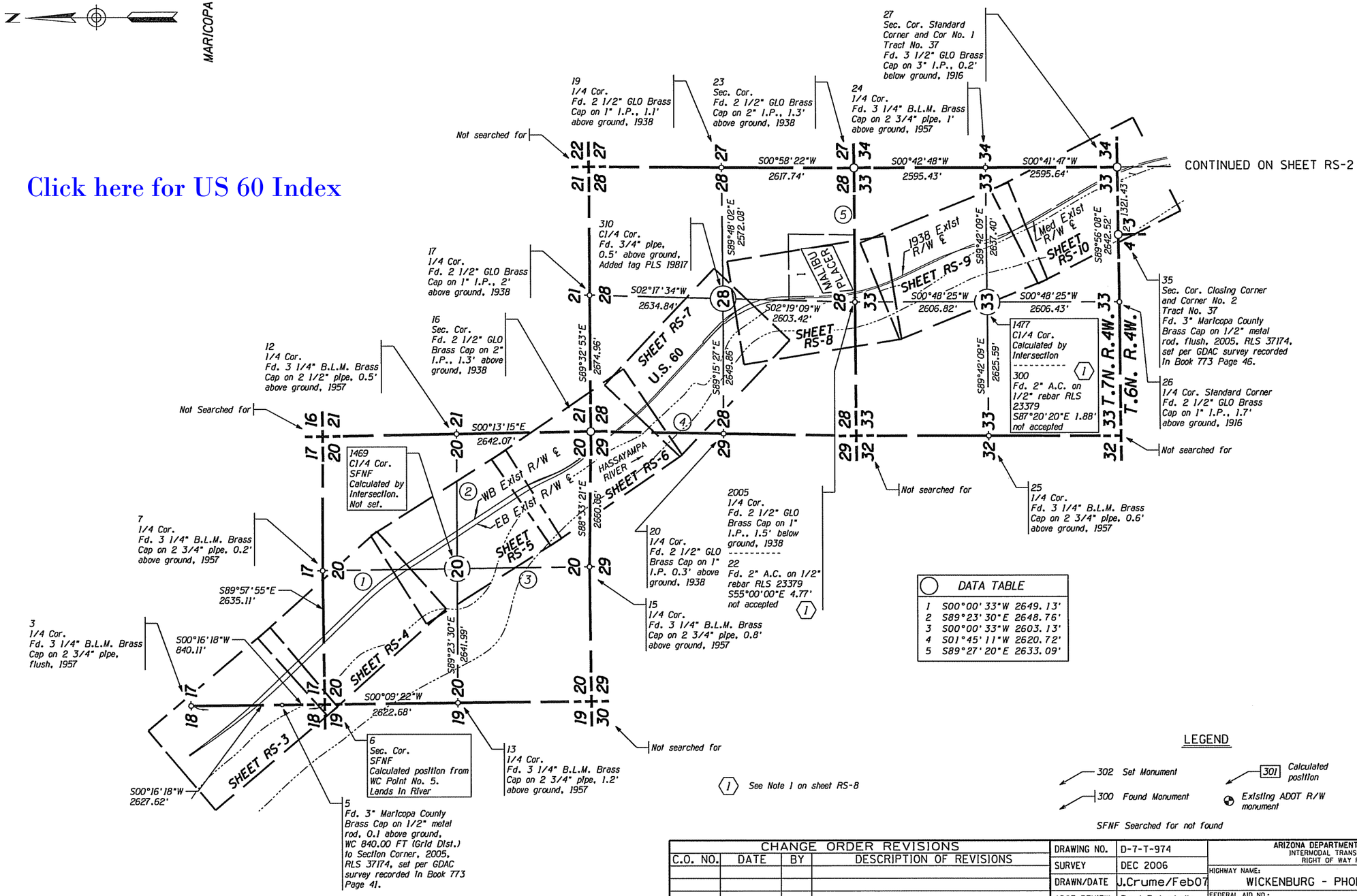
Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2011.11.21 09:04:01 -07'00'
(Expires 6-30-14)
ELECTRONIC SEAL
http://www.hrr.state.az.us/

SHEET P-4

RESULTS OF SURVEY

MARICOPA CO.

Click here for US 60 Index



DATA TABLE	
1	S00°00'33"W 2649.13'
2	S89°23'30"E 2648.76'
3	S00°00'33"W 2603.13'
4	S01°45'11"W 2620.72'
5	S89°27'20"E 2633.09'

LEGEND

302 Set Monument
300 Found Monument
SFNF Searched for not found
301 Calculated position
Existing ADOT R/W monument

0 500 1000
Scale

060rw113_rs01.dgn

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

DRAWING NO.	D-7-T-974
SURVEY	DEC 2006
DRAWN/DATE	J.Crume/Feb07
ADOT REVIEW	Paul Pokatello
HUBBARD ENGINEERING	Ritoch-Powell & Associates
480-892-3313	602-263-1177
ROUTE NO.:	U.S. 60
LOCATION:	Turtleback Wash - Hassayampa River

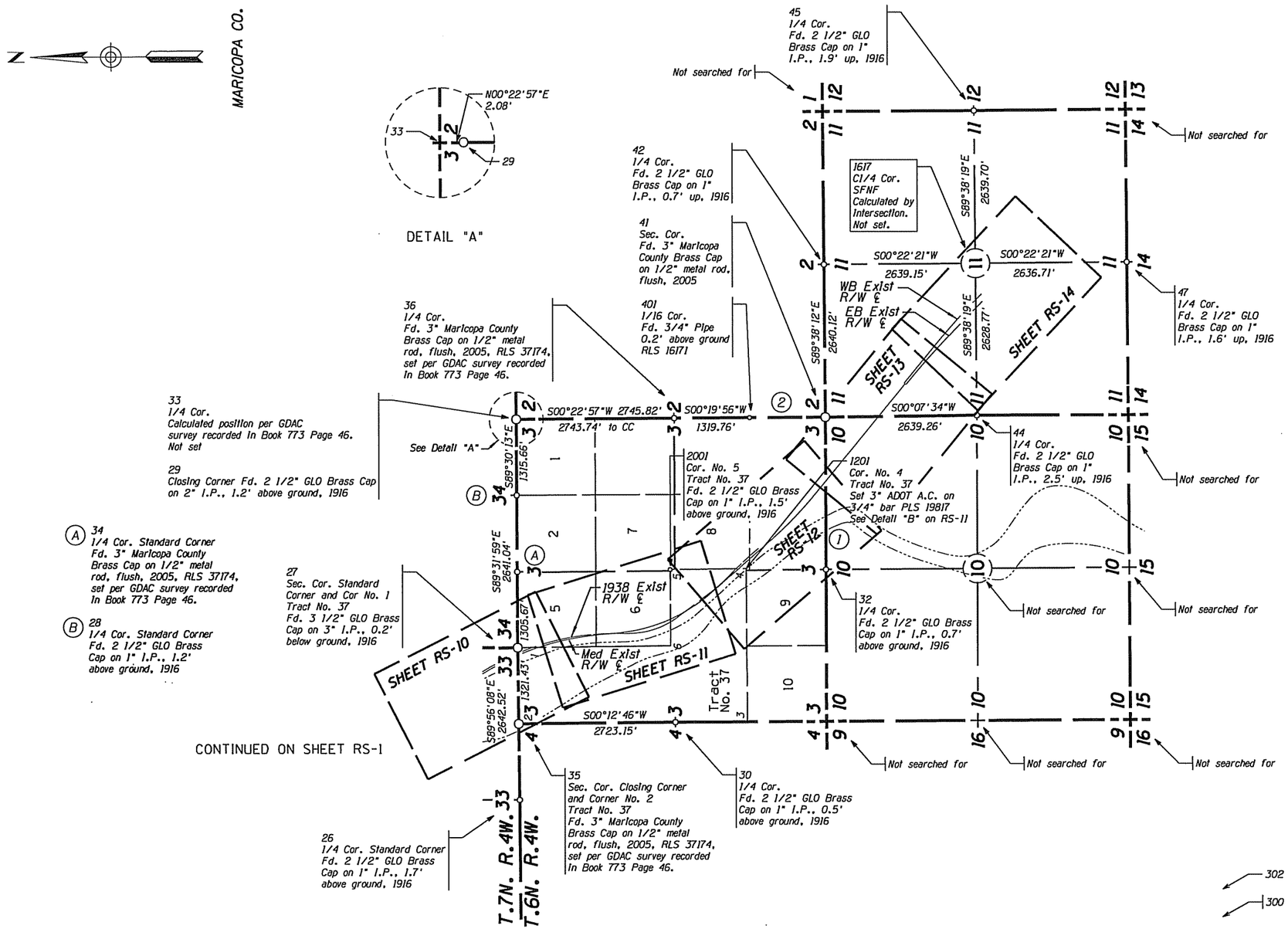
ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: WICKENBURG - PHOENIX
FEDERAL AID NO.: Unassigned
PROJECT NO.: 060 MA 113 H6787 01R

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2011.11.21 09:04:15 -07'00'
(Expires 6-30-14)
ELECTRONIC SEAL
http://www.bir.state.az.us/

SHEET RS-1

RESULTS OF SURVEY



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

DRAWING NO.	D-7-T-974
SURVEY	DEC 2006
DRAWN/DATE	J. Crume/Feb07
ADOT REVIEW	Paul Pokatello
HUBBARD ENGINEERING	Ritoch-Powell & Associates
480-892-3313	602-263-1177
ROUTE NO.: U.S. 60	LOCATION: Turtleback Wash - Hassayampa River

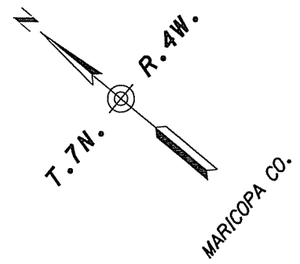
ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: WICKENBURG - PHOENIX
FEDERAL AID NO.: Unassigned
PROJECT NO.: 060 MA 113 H6787 01R

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2011.11.21 09:04:32 -07'00'
(Expires 6-30-14)
ELECTRONIC SEAL
http://www.hlr.state.az.us/

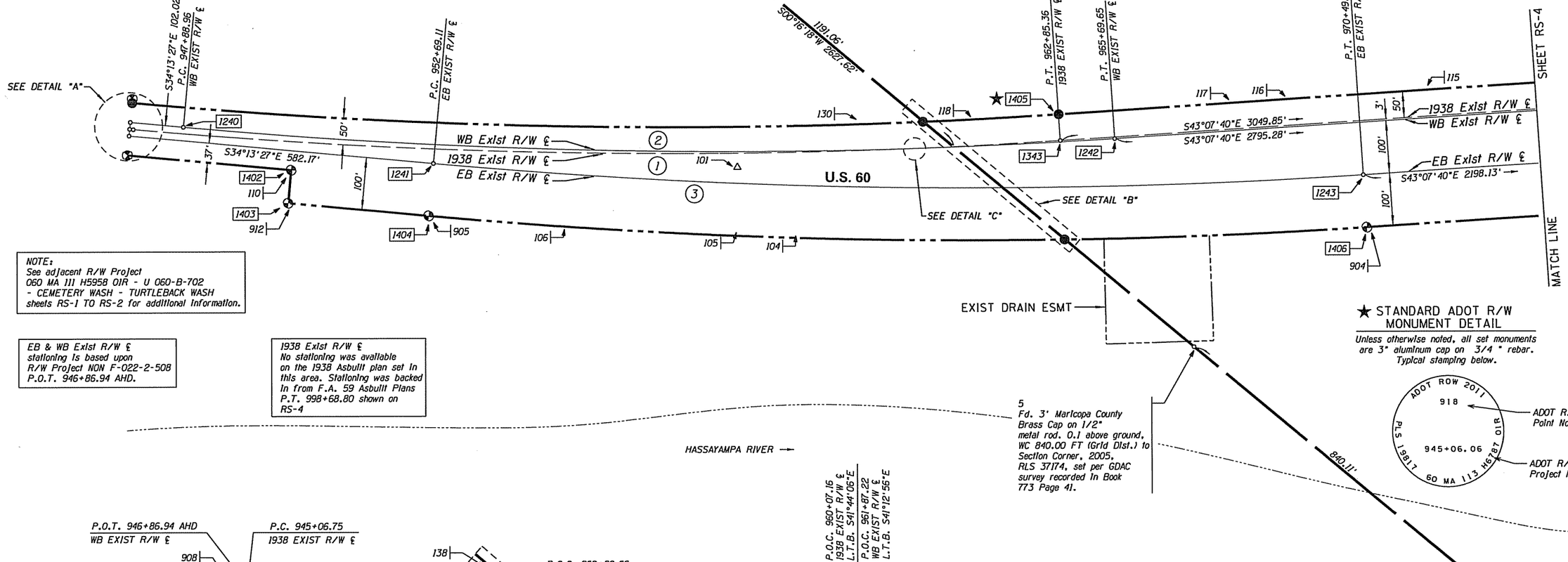
SHEET RS-2

RESULTS OF SURVEY



3
1/4 Cor.
Fd. 3 1/4" B.L.M. Brass Cap on 2 3/4" pipe. flush, 1957

(1) 1938 EXIST R/W ℄ CURVE DATA	(2) WB EXIST R/W ℄ CURVE DATA	(3) EB EXIST R/W ℄ CURVE DATA
PI 953+97.85 ← 1341	PI 956+81.10 ← 1245	PI 961+61.25 ← 1244
Δ=8°54'12" LT	Δ=8°54'12" LT	Δ=8°54'12" LT
D=0°30'02"	D=0°30'00"	D=0°30'00"
T=891.10'	T=892.14'	T=892.14'
L=1778.61'	L=1780.69'	L=1780.69'
R=11445.80' ← 1342	R=11459.16' ← 1247	R=11459.16' ← 1246



NOTE:
See adjacent R/W Project
060 MA 111 H5958 01R - U 060-B-702
- CEMETERY WASH - TURTLEBACK WASH
sheets RS-1 TO RS-2 for additional information.

EB & WB Exist R/W ℄ stationing is based upon R/W Project NON F-022-2-508 P.O.T. 946+86.94 AHD.

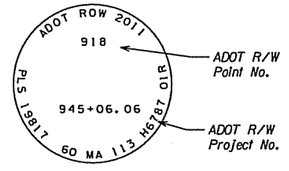
1938 Exist R/W ℄
No stationing was available on the 1938 Asbuilt plan set in this area. Stationing was backed in from F.A. 59 Asbuilt Plans P.T. 998+68.80 shown on RS-4

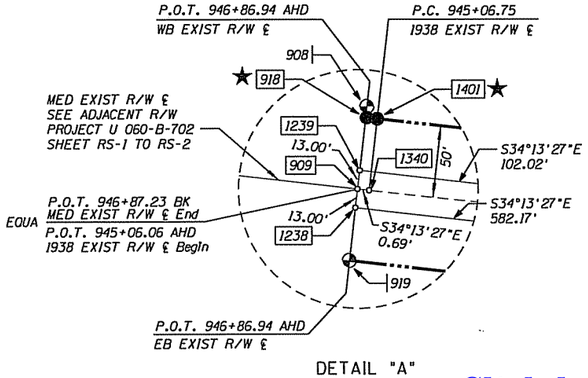
5
Fd. 3" Maricopa County Brass Cap on 1/2" metal rod. 0.1 above ground, WC 840.00 FT (Grid Dist.) to Section Corner, 2005, RLS 37174, set per GDAC survey recorded in Book 773 Page 41.

6
Sec. Cor.
SFNF
Calculated position from WC at Point No. 5.
Lands In River

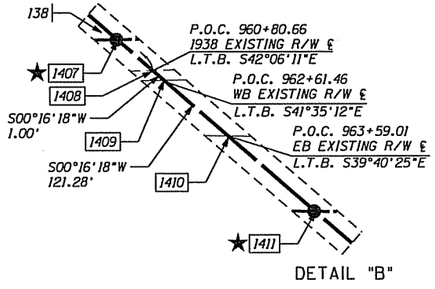
★ STANDARD ADOT R/W MONUMENT DETAIL

Unless otherwise noted, all set monuments are 3" aluminum cap on 3/4 " rebar. Typical stamping below.

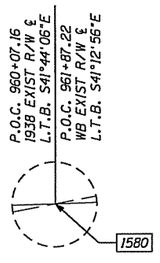




DETAIL "A"



DETAIL "B"



DETAIL "C"

LEGEND

- 302 Set Monument
- 300 Found Monument
- New R/W monument
- SFNF = Searched for not found.
- 301 Calculated position
- Existing ADOT R/W monument
- ★ Unless otherwise noted, set standard ADOT R/W monument at calculated position In July 2011.

0 50 100
Scale
060rw113_rs03.dgn

Click here for US 60 Index

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS
N/A	9/1/11	RC	REV'D SHEET FOR EXIST R/W MONUMENTATION.

DRAWING NO.	D-7-T-974
SURVEY	DEC 2006
DRAWN/DATE	J. crume/Feb07
ADOT REVIEW	Paul Pokatello
HUBBARD ENGINEERING 480-892-3313	Ritoch-Powell & Associates 602-263-1177
ROUTE NO.: U.S. 60	LOCATION: Turtleback Wash - Hassayampa River

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

HIGHWAY NAME: WICKENBURG - PHOENIX
FEDERAL AID NO.: Unassigned
PROJECT NO.: 060 MA 113 H6787 01R
SHEET RS-3

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2011.11.21 09:04:55 -07'00'
(Expires 6-30-14)
ELECTRONIC SEAL
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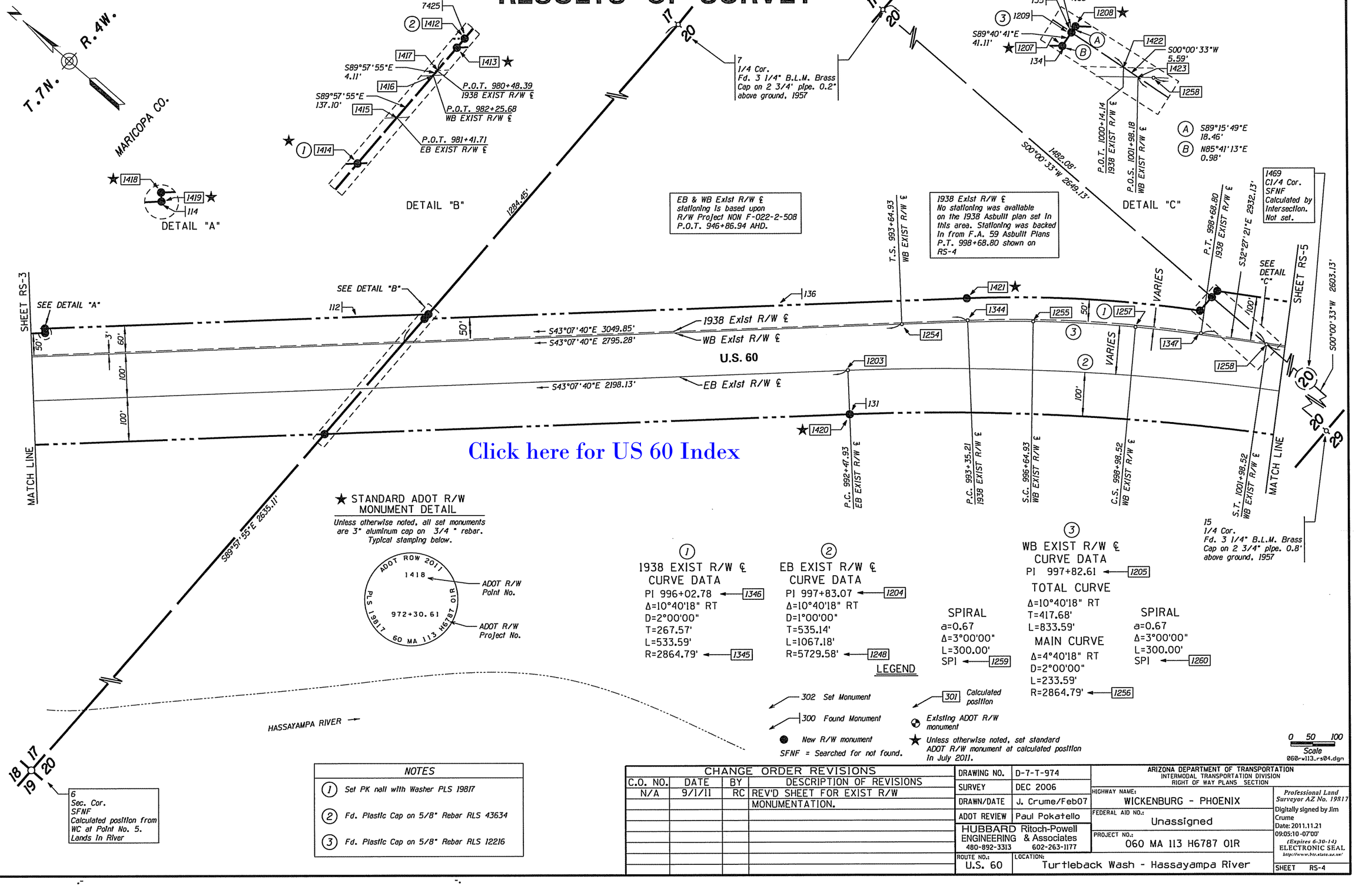
RESULTS OF SURVEY



Click here for US 60 Index

★ STANDARD ADOT R/W MONUMENT DETAIL

Unless otherwise noted, all set monuments are 3" aluminum cap on 3/4 " rebar. Typical stamping below.

(1) 1938 EXIST R/W ℄ CURVE DATA

PI 996+02.78 ← 1346
Δ=10°40'18" RT
D=2°00'00"
T=267.57'
L=533.59'
R=2864.79' ← 1345

(2) EB EXIST R/W ℄ CURVE DATA

PI 997+83.07 ← 1204
Δ=10°40'18" RT
D=1°00'00"
T=535.14'
L=1067.18'
R=5729.58' ← 1248

(3) WB EXIST R/W ℄ CURVE DATA

PI 997+82.61 ← 1205
TOTAL CURVE
Δ=10°40'18" RT
T=417.68'
L=833.59'
MAIN CURVE
Δ=4°40'18" RT
D=2°00'00"
L=233.59'
R=2864.79' ← 1256

SPIRAL
a=0.67
Δ=3°00'00"
L=300.00'
SPI ← 1259

SPIRAL
a=0.67
Δ=3°00'00"
L=300.00'
SPI ← 1260

LEGEND

302 Set Monument
300 Found Monument
New R/W monument
301 Calculated position
Existing ADOT R/W monument
★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in July 2011.
SFNF = Searched for not found.

0 50 100 Scale
060rw113_rs04.dgn

NOTES

(1) Set PK nail with Washer PLS 19817
(2) Fd. Plastic Cap on 5/8" Rebar RLS 43634
(3) Fd. Plastic Cap on 5/8" Rebar RLS 12216

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS
N/A	9/1/11	RC	REV'D SHEET FOR EXIST R/W MONUMENTATION.

DRAWING NO.	D-7-T-974
SURVEY	DEC 2006
DRAWN/DATE	J. Crume/Feb07
ADOT REVIEW	Paul Pokatello

HUBBARD Ritoch-Powell ENGINEERING & Associates
480-892-3313 602-263-1177

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

HIGHWAY NAME: WICKENBURG - PHOENIX
FEDERAL AID NO.: Unassigned
PROJECT NO.: 060 MA 113 H6787 01R
ROUTE NO.: U.S. 60
LOCATION: Turtleback Wash - Hassayampa River
SHEET RS-4

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2011.11.21 09:05:10 -07'00'
(Expires 6-30-14)
ELECTRONIC SEAL
http://www.btr.state.az.us/

RESULTS OF SURVEY

T.7N. R.4W. MARICOPA CO.

DETAIL "A"

P.O.T. 1014+06.62 1938 EXIST R/W ℄ — 1429, 1428, 1427
S89°23'30"E 3.58'
P.O.T. 1015+84.00 WB EXIST R/W ℄
S89°23'30"E 119.32'
P.O.T. 1015+08.69 EB EXIST R/W ℄

★ STANDARD ADOT R/W MONUMENT DETAIL

Unless otherwise noted, all set monuments are 3" aluminum cap on 3/4" rebar. Typical stamping below.

ADOT ROW 2011 — 1425 — ADOT R/W Point No.
PLS 19817 — 1005+02.33 — 60 MA 113 H6787 01R — ADOT R/W Project No.

4
1938 EXIST R/W ℄ CURVE DATA
PI 1031+13.24 ← 1350
Δ=11°59'03" RT
D=02°00'06"
T=300.44'
L=598.68'
R=2862.29' ← 1349

1938 Exist R/W ℄ Stationing is from F.A. 59 Asbuilt Plans P.O.T. 1028+00.93 BK and P.C. 1028+12.80 AHD

12 1/4 Cor. Fd. 3 1/4" B.L.M. Brass Cap on 2 3/4" pipe, 0.5" above ground, 1957

20 ○ 21

1901.26' S89°23'30"E 2648.76'

P.O.T. 1028+00.93 BK EQUA
P.C. 1028+12.80 AHD
1938 EXIST R/W ℄

SHEET RS-4 — SHEET RS-6

P.O.T. 1003+45.15 EB EXIST R/W ℄

SEE DETAIL "A" — ★1430 — ★1470

1938 Exist R/W ℄
WB Exist R/W ℄
U.S. 60
EB Exist R/W ℄

S32°27'21"E 2932.13'
S32°27'21"E 2546.19'
S32°27'21"E 2547.46'

3" 100' 100' 100' 100'

1261 — 1348 — 1262 — 1268 — VARIES

17 ○ 20

5 — 1424 — 1206 — 133 — 1425 ★ — 100 — 1426 ★

7 1/4 Cor. Fd. 3 1/4" B.L.M. Brass Cap on 2 3/4" pipe, 0.2" above ground, 1957

MATCH LINE

P.T. 1003+15.11 EB EXIST R/W ℄

5 S00°00'33"W 186.29'

S00°00'33"W 2649.13'

1469 C1/4 Cor. SFNF Calculated by Intersection. Not set.

T.S. 1027+44.71 WB EXIST R/W ℄
T.S. 1028+62.57 EB EXIST R/W ℄
S.C. 1030+44.71 WB EXIST R/W ℄
MATCH LINE

1 EB EXIST R/W ℄ CURVE DATA
PI 997+83.07 ← 1204
Δ=10°40'18" RT
D=1°00'00"
T=535.14'
L=1067.18'
R=5729.58' ← 1248

2 EB EXIST R/W ℄ CURVE DATA
PI 1032+57.78 ← 1210
TOTAL CURVE
Δ=7°20'40" RT
T=395.21'
L=789.63'
MAIN CURVE
Δ=2°50'40" RT
D=1°30'00"
L=189.63'
R=3819.72' ← 1270
SPIRAL a=0.50 Δ=2°15'00" L=300.00' SPI ← 1273
SPIRAL a=0.50 Δ=2°15'00" L=300.00' SPI ← 1274

3 WB EXIST R/W ℄ CURVE DATA
PI 1031+65.22 ← 1211
TOTAL CURVE
Δ=10°47'02" RT
T=420.51'
L=839.19'
MAIN CURVE
Δ=4°47'02" RT
D=2°00'00"
L=239.19'
R=2864.79' ← 1263
SPIRAL a=0.67 Δ=3°00'00" L=300.00' SPI ← 1266

EB & WB Exist R/W ℄ stationing is based upon R/W Project NON F-022-2-508 P.O.T. 946+86.94 AHD.

S69°23'30"E 2641.99'
S00°00'33"W 2603.13'

20 ○ 29

13 1/4 Cor. Fd. 3 1/4" B.L.M. Brass Cap on 2 3/4" pipe, 1.2" above ground, 1957

19 ○ 20

15 1/4 Cor. Fd. 3 1/4" B.L.M. Brass Cap on 2 3/4" pipe, 0.8" above ground, 1957

LEGEND

302 Set Monument
300 Found Monument
New R/W monument
SFNF = Searched for not found.
301 Calculated position
Existing ADOT R/W monument
★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in July 2011.

0 50 100 Scale

060rw113_rs05.dgn

Click here for US 60 Index

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS
N/A	9/1/11	RC	REV'D SHEET FOR EXIST R/W MONUMENTATION.

DRAWING NO.	D-7-T-974
SURVEY	DEC 2006
DRAWN/DATE	J. Crume/Feb07
ADOT REVIEW	Paul Pokatello

HUBBARD Ritoch-Powell ENGINEERING & Associates
480-892-3313 602-263-1177

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

HIGHWAY NAME: WICKENBURG - PHOENIX
FEDERAL AID NO.: Unassigned
PROJECT NO.: 060 MA 113 H6787 01R
ROUTE NO.: U.S. 60
LOCATION: Turtleback Wash - Hassayampa River
SHEET RS-5

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2011.11.21 09:05:25 -07'00'
(Expires 6-30-14)
ELECTRONIC SEAL
http://www.btr.state.az.us/

Click here for US 60 Index

RESULTS OF SURVEY

EB & WB Exist R/W ℄ stationing is based upon R/W Project NON F-022-2-508 P.O.T. 946+86.94 AHD.

Med Exist R/W ℄ stationing is based upon R/W Project NON F-022-2-508 P.O.T. 1046+21.90 AHD.

1938 Exist R/W ℄ Stationing is from F.A. 59 Asbuilt Plans P.C. 1028+12.80 AHD

T.7N. R.4W. MARICOPA CO.

(6) EB EXIST R/W ℄ CURVE DATA
PI 1041+32.83 ← 1213

TOTAL CURVE
Δ=13°09'41" LT
T=480.63'
L=958.07'

SPIRAL
a=0.67
Δ=3°00'00"
L=300.00'
SPI ← 1280

MAIN CURVE
Δ=7°09'41" LT
D=2°00'00"
L=358.07'
R=2864.79' ← 1277

SPIRAL
a=0.67
Δ=3°00'00"
L=300.00'
SPI ← 1281

(4) 1938 EXIST R/W ℄ CURVE DATA
PI 1039+03.99 ← 1354
Δ=17°51'50" LT
D=3°00'00"
T=300.17'
L=595.46'
R=1909.86' ← 1353

(7) 1938 EXIST R/W ℄ CURVE DATA
PI 1045+31.94 ← 1358
Δ=6°44'03" RT
D=3°00'00"
T=112.37'
L=224.47'
R=1909.86' ← 1357

12 1/4 Cor. Fd. 3 1/4" B.L.M. Brass Cap on 2 1/2" pipe, 0.5' above ground, 1957

17 1/4 Cor. Fd. 2 1/2" GLO Brass Cap on 1" I.P., 1.1' above ground, 1938

S00°13'15"E 2642.07'

S89°32'53"E 2674.96'

16 Sec. Cor. Fd. 2 1/2" GLO Brass Cap on 2" I.P., 1.3' above ground, 1938

S01°45'11"W 2620.72'

15 1/4 Cor. Fd. 3 1/4" B.L.M. Brass Cap on 2 3/4" pipe, 0.8' above ground, 1957

S88°33'21"E 2860.06'

20 1/4 Cor. Fd. 2 1/2" GLO Brass Cap on 1" I.P., 0.3' above ground, 1938

DETAIL "A"

S.T. 1046+22.93 BK WB EXIST R/W ℄ End EQUA
P.O.T. 1046+21.90 AHD MED EXIST R/W ℄ Begin
P.O.C. 1045+10.14 1938 EXIST R/W ℄
S88°33'21"E 47.73'
P.O.T. 1046+46.99 MED EXIST R/W ℄
P.C. 1044+19.57 1938 EXIST R/W ℄
S.T. 1046+10.27 BK WB EXIST R/W ℄ End EQUA
P.O.T. 1046+21.90 AHD MED EXIST R/W ℄ Begin

DETAIL "B"

P.O.T. 1052+61.26 MED EXIST R/W ℄
S01°45'11"W 27.02'
P.O.C. 1051+17.15 1938 EXIST R/W ℄ L.T.B. S35°15'40"E

SEE DETAIL "A"

SEE DETAIL "B"

SHEET RS-5

SHEET RS-7

MATCH LINE

MATCH LINE

1938 Exist R/W ℄

WB Exist R/W ℄

EB Exist R/W ℄

MED Exist R/W ℄

U.S. 60

HASSAYAMPA RIVER

VARIES

100'

122.66'

395.07'

412.51'

S20°28'19"E 192.34'

S38°20'09"E 220.29'

S31°36'06"E 103.46'

S38°16'22"E 956.98'

P.T. 1034+11.48 1938 EXIST R/W ℄

P.C. 1036+03.82 1938 EXIST R/W ℄

P.T. 1041+99.28 1938 EXIST R/W ℄

P.C. 1044+19.57 1938 EXIST R/W ℄

S.T. 1046+22.93 BK WB EXIST R/W ℄ END EQUA

P.O.T. 1046+21.90 AHD MED EXIST R/W ℄ BEGIN

P.T. 1046+44.04 1938 EXIST R/W ℄

P.C. 1047+47.50 1938 EXIST R/W ℄

P.C. 1055+78.88 MED EXIST R/W ℄

S.C. 1031+62.57 EB EXIST R/W ℄

C.S. 1032+83.90 WB EXIST R/W ℄

C.S. 1033+52.20 EB EXIST R/W ℄

P.C.C. S.T. 1035+83.90 T.S. 1035+83.90 WB EXIST R/W ℄ L.T.B. S21°40'19"E

S.T. 1036+52.20 T.S. 1036+52.20 EB EXIST R/W ℄ L.T.B. S25°06'41"E

S.C. 1039+58.90 WB EXIST R/W ℄

S.C. 1039+52.20 EB EXIST R/W ℄

C.S. 1042+47.93 WB EXIST R/W ℄

C.S. 1043+10.27 EB EXIST R/W ℄

S.T. 1046+10.27 BK EB EXIST R/W ℄ END EQUA

P.O.T. 1046+21.90 AHD MED EXIST R/W ℄ BEGIN

P.O.C. 1048+79.25 1938 EXIST R/W ℄ L.T.B. S32°54'21"E

P.O.T. 1050+44.70 MED EXIST R/W ℄

1471 1472 1473 1474 1434 1523 1524 1435 1264 1351 1269 1271 1476 1265 1272 1352 1283 1285 1355 1276 1278 1475 1431 1360 1581 1359 1217 1438 1286 1433 1356 1432 1216 1279 1436 1437

(1) WB EXIST R/W ℄ CURVE DATA
PI 1031+65.22 ← 1211

TOTAL CURVE
Δ=10°47'02" RT
T=420.51'
L=839.19'

MAIN CURVE
Δ=4°47'02" RT
D=2°00'00"
L=239.19'
R=2864.79' ← 1263

SPIRAL
a=0.67
Δ=3°00'00"
L=300.00'
SPI ← 1267

(3) 1938 EXIST R/W ℄ CURVE DATA
PI 1031+13.24 ← 1350
Δ=11°59'03" RT
D=02°00'06"
T=300.44'
L=598.68'
R=2862.29' ← 1349

(9) MED EXIST R/W ℄ CURVE DATA
PI 1059+93.62 ← 1219
Δ=8°16'49" LT
D=1°00'00"
T=414.74'
L=828.03'
R=5729.58' ← 1249

(2) EB EXIST R/W ℄ CURVE DATA
PI 1032+57.78 ← 1210

TOTAL CURVE
Δ=7°20'40" RT
T=395.21'
L=789.63'

SPIRAL
a=0.50
Δ=2°15'00"
L=300.00'
SPI ← 1273

MAIN CURVE
Δ=2°50'40" RT
D=1°30'00"
L=189.63'
R=3819.72' ← 1270

SPIRAL
a=0.50
Δ=2°15'00"
L=300.00'
SPI ← 1274

(8) 1938 EXIST R/W ℄ CURVE DATA
PI 1055+09.23 ← 1362
Δ=14°59'45" LT
D=00°59'24"
T=761.73'
L=1514.75'
R=5787.50' ← 1361

SPIRAL
a=0.67
Δ=4°41'15"
L=375.00'
SPI ← 1287

(5) WB EXIST R/W ℄ CURVE DATA
PI 1041+06.09 ← 1212

TOTAL CURVE
Δ=16°36'03"
T=522.19'
L=1039.03'

MAIN CURVE
Δ=7°13'33" LT
D=2°30'00"
L=289.03'
R=2291.83' ← 1284

SPIRAL
a=0.67
Δ=4°41'15"
L=375.00'
SPI ← 1288

★ STANDARD ADOT R/W MONUMENT DETAIL

Unless otherwise noted, all set monuments are 3" aluminum cap on 3/4 " rebar. Typical stamping below.

ADOT ROW 2011 / 1476 / PLS 19817 / 1031+62.57 / 01R / 60 MA 113 H6787

ADOT R/W Point No.

ADOT R/W Project No.

LEGEND

302 Set Monument
300 Found Monument
New R/W monument
301 Calculated position
Existing ADOT R/W monument
★ Unless otherwise noted, set standard ADOT R/W monument at calculated position In July 2011.

0 50 100 Scale

060rw113_rs06.dgn

NOTES

(1) Fd. Plastic Cap on 5/8" Rebar MEAD 28730

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS
N/A	9/1/11	RC	REV'D SHEET FOR EXIST R/W
			MONUMENTATION.

DRAWING NO.	D-7-T-974
SURVEY	DEC 2006
DRAWN/DATE	J.Crume/Feb07
ADOT REVIEW	Paul Pokatello

HUBBARD Ritoch-Powell ENGINEERING & Associates
480-892-3313 602-263-1177

ROUTE NO.: U.S. 60

LOCATION: Turtleback Wash - Hassayampa River

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

HIGHWAY NAME: WICKENBURG - PHOENIX

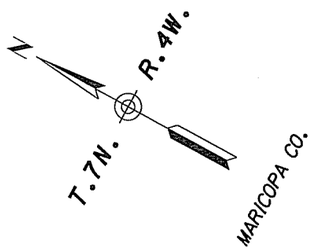
FEDERAL AID NO.: Unassigned

PROJECT NO.: 060 MA 113 H6787 01R

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2011.11.21 09:05:39 -07'00'
(Expires 6-30-14)
ELECTRONIC SEAL
http://www.btr.state.az.us/

SHEET RS-6

RESULTS OF SURVEY



(1) 1938 EXIST R/W ℄ CURVE DATA
PI 1055+09.23 ← 1362
Δ=14°59'45" LT
D=00°59'24"
T=761.73'
L=1514.75'
R=5787.50' ← 1361

(2) MED EXIST R/W ℄ CURVE DATA
PI 1059+93.62 ← 1219
Δ=8°16'49" LT
D=1°00'00"
T=414.74'
L=828.03'
R=5729.58' ← 1249

SPIRAL
a=0.67
Δ=4°41'15"
L=375.00'
SPI ← 1294

(6) EB EXIST R/W ℄ CURVE DATA
PI 1089+25.13 ← 1223
TOTAL CURVE
Δ=46°58'27" RT
T=1184.47'
L=2253.97'
MAIN CURVE
Δ=37°35'57" RT
D=2°30'00"
L=1503.97'
R=2291.83' ← 1291

EB & WB Exist R/W ℄ stationing is based upon R/W Project Non F-022-2-508 WB P.O.T. 1077+40.66 AHD & EB T.S. 1077+40.66 AHD

17 1/4 Cor. Fd. 2 1/2" GLO Brass Cap on 1" I.P., 2' above ground, 1938

19 1/4 Cor. Fd. 2 1/2" GLO Brass Cap on 1" I.P., 1.1' above ground, 1938

310 C 1/4 Cor. Fd. 3/4" pipe, 0.5' above ground, Added tag PLS 19817

S02°17'34"W 2634.84'
S89°48'02"E 2572.08'
S02°19'09"W 2603.42'
410.71'

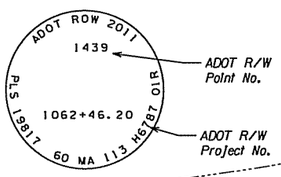
21 28 28 27 28 33

SHEET RS-6
SHEET RS-8
EXIST DRAIN ESMT
P.T. 1064+06.91 MED EXIST R/W ℄
1439
1218
S46°33'11"E 1333.75'
MED Exist R/W ℄
U.S. 60
S46°35'51"E 1864.57'
1938 Exist R/W ℄
1684
1466
263
1683
1400
1363
257
258
1682
100'
50'
P.O.C. 1061+53.55 BK
P.O.C. 1061+37.50 AHD
1938 EXIST R/W ℄
L.T.B. S45°31'17"E
P.T. 1062+46.20
1938 EXIST R/W ℄
EQUA
MATCH LINE
EXIST DRAIN ESMT
HASSAYAMPA RIVER

P.O.T. 1077+40.66 MED EXIST R/W ℄ END
P.O.T. 1077+40.66 WB EXIST R/W ℄ BEGIN
T.S. 1079+06.16 WB EXIST R/W ℄ BEGIN UNEQUAL SPIRAL CURVES
SEE DETAIL "A"
S46°33'11"E 165.50'
1310
1582
264
1290
T.S. 1077+40.66 EB EXIST R/W ℄ BEGIN
P.O.T. 1078+68.06 1938 EXIST R/W ℄
P.O.S. 1080+45.10 EB EXIST R/W ℄
S.C. 1081+15.66 EB EXIST R/W ℄
1440
P.C. 1081+10.77 1938 EXIST R/W ℄
7426 WC
15'
SEE DETAIL "B"
Ts=1036.BK**
WB Exist R/W ℄
1938 Exist R/W ℄
EB Exist R/W ℄
S.C. 1083+56.16 WB EXIST R/W ℄
EXIST DRAIN ESMT
MATCH LINE

★ STANDARD ADOT R/W MONUMENT DETAIL

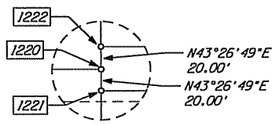
Unless otherwise noted, all set monuments are 3" aluminum cap on 3/4 " rebar. Typical stamping below.



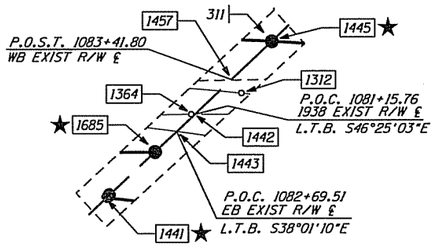
1938 Exist R/W ℄ Stationing is from F.A. 59 Asbuilt Plans P.C. 1028+12.80 AHD

1938 Exist R/W ℄ Stationing is based upon F.A. 59 Asbuilt Plans P.O.C. 1061+37.50 AHD

Med Exist R/W ℄ stationing is based upon R/W Project NON F-022-2-508 P.O.T. 1046+21.90 AHD.



DETAIL "A"



DETAIL "B"

(4) 1938 EXIST R/W ℄ CURVE DATA
PI 1085+80.19 ← 1366
Δ=32°55'30" RT
D=3°36'24"
T=469.42'
L=912.87'
R=1588.56' ← 1365

S89°15'27"E 2649.86'

29 28
20 1/4 Cor. Fd. 2 1/2" GLO Brass Cap on 1" I.P., 0.3' above ground, 1938

(3) SPIRAL
a=0.67
Δ=6°45'00"
L=450.00'
SPI ← 1311

(5) WB EXIST R/W ℄ CURVE DATA
PI ---
Δ=22°03'13" RT
D=3°00'00"
T=372.17'
L=735.12'
R=1909.86' ← 1313

LEGEND

302 Set Monument
300 Found Monument
New R/W monument
301 Calculated position
Existing ADOT R/W monument
★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in July 2011.

0 50 100 Scale

060rw113_rs07.dgn

NOTES

(1) Set Standard Witness Corner 15.00' for point 1440. Set Standard Monument.

** RECORD DIST: ANNOTATION PER R/W PROJECT NON F-022-2-508

Click here for US 60 Index

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS
N/A	9/1/11	RC	REV'D SHEET FOR EXIST R/W
			MONUMENTATION.

DRAWING NO.	D-7-T-974
SURVEY	DEC 2006
DRAWN/DATE	J. Crume/Feb07
ADOT REVIEW	Paul Pokatello
HUBBARD ENGINEERING	Ritoch-Powell & Associates 480-892-3313 602-263-1177
ROUTE NO.:	U.S. 60
LOCATION:	Turtleback Wash - Hassayampa River

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

HIGHWAY NAME: WICKENBURG - PHOENIX
FEDERAL AID NO.: Unassigned
PROJECT NO.: 060 MA 113 H6787 01R

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2011.11.21 09:05:55 -07'00'
(Expires 6-30-14)
ELECTRONIC SEAL
http://www.btr.state.az.us/

SHEET RS-7

Click here for US 60 Index

RESULTS OF SURVEY

T.7N. R.4W.
MARICOPA CO.

DETAIL "B"
P.O.C. 1090+16.19
1938 EXIST R/W ℄
L.T.B. S13°56'28"E
S02°19'09"W
2.17'
P.O.C. 1092+02.19
WB EXIST R/W ℄
L.T.B. S13°52'06"E

(5) 1938 EXIST R/W ℄ CURVE DATA
PI 1092+18.98
Δ=13°28'49" RT
D=3°27'59"
T=195.34'
L=388.87'
R=1652.84'

★ STANDARD ADOT R/W MONUMENT DETAIL
Unless otherwise noted, all set monuments are 3" aluminum cap on 3/4 " rebar. Typical stamping below.
ADOT ROW 2011 1446 1087+62.09 PLS 19817 60 MA 113 H6787 01R
ADOT R/W Point No.
ADOT R/W Project No.

Mailbu Placer calculated from record information as shown on G.L.O. supplemental Plat of Section 28, Township 7 North, Range 4 West G&SRM sheet number 2779 dated 5-22-1939

MALIBU PLACER

23 Sec. Cor. Fd. 2 1/2" GLO Brass Cap on 2" I.P., 1.3" above ground, 1938

(7) 1938 EXIST R/W ℄ CURVE DATA
PI 1109+89.05
Δ=24°41'51" LT
D=1°29'35"
T=840.15'
L=1654.20'
R=3837.58'

(8) MED EXIST R/W ℄ CURVE DATA
PI 1111+41.85
TOTAL CURVE
Δ=24°57'25" LT
T=995.52'
L=1963.80'
MAIN CURVE
Δ=20°27'25" LT
D=1°30'00"
L=1363.80'
R=3819.72'
SPIRAL
a=0.50
Δ=2°15'00"
L=300.00'
SPI

S89°27'20"E 2633.09'

SHEET RS-7
SHEET RS-9
MATCH LINE
MATCH LINE

P.C.C. 1090+91.29 WB EXIST R/W ℄
P.C.C. 1090+23.64 1938 EXIST R/W ℄
C.S. 1094+35.44 WB EXIST R/W ℄
P.T. 1094+12.51 1938 EXIST R/W ℄
S.T. 1097+85.44 WB EXIST R/W ℄ END UNEQUAL ** SPIRAL CURVES
P.O.T. 1100+51.69 BK WB EXIST R/W ℄ END EQUA
P.O.T. 1100+46.02 AHD MED EXIST R/W ℄ BEGIN EQUA
P.C. 1101+48.90 1938 EXIST R/W ℄

46°58'27"
762.44'
Ts=935.60' AHD**
S02°19'09"W 338.24'
S00°11'32"E 736.39'
S00°25'16"W 266.25'
S02°19'09"W 2603.42'
280
122.56'
100'
123.54'
168.54'

SEE DETAIL "A"
SEE DETAIL "B"
SEE DETAIL "C"
SEE DETAIL "D"
SEE DETAIL "E"
SEE DETAIL "F"

WB Exist R/W ℄
1938 Exist R/W ℄
EB Exist R/W ℄
1938 Exist R/W ℄
MED Exist R/W ℄
EXIST DRAIN ESMT
HASSAYAMPA RIVER
EXIST R/W
U.S. 60

P.O.C. 1094+86.36 EB EXIST R/W ℄ L.T.B. S07°35'54"E
C.S. 1096+19.63 EB EXIST R/W ℄
S.T. 1099+94.63 BK EB EXIST R/W ℄ END EQUA
P.O.T. 1100+46.02 AHD MED EXIST R/W ℄ BEGIN
S00°25'16"W 100.31'
T.S. 1101+46.33 MED EXIST R/W ℄
S.C. 1104+46.33 MED EXIST R/W ℄

(3) WB EXIST R/W ℄ CURVE DATA
PI ---
Δ=12°02'45" RT
D=3°30'00"
T=172.72'
L=344.16'
R=1637.02'

(6) SPIRAL
a=1.00
Δ=6°07'30"
L=350.00'
SPI

(1) 1938 EXIST R/W ℄ CURVE DATA
PI 1085+80.19
Δ=32°55'30" RT
D=3°36'24"
T=469.42'
L=912.87'
R=1588.56'

(2) WB EXIST R/W ℄ CURVE DATA
PI ---
Δ=22°03'13" RT
D=3°00'00"
T=372.17'
L=735.12'
R=1909.86'

(4) EB EXIST R/W ℄ CURVE DATA
PI 1089+25.13
TOTAL CURVE
Δ=46°58'27" RT
T=1184.47'
L=2253.97'
MAIN CURVE
Δ=37°35'57" RT
D=2°30'00"
L=1503.97'
R=2291.83'
SPIRAL
a=0.67
Δ=4°41'15"
L=375.00'
SPI

EB & WB Exist R/W ℄ stationing is based upon R/W Project Non F-022-2-508 WB P.O.T. 1077+40.66 AHD & EB T.S. 1077+40.66 AHD

Med Exist R/W ℄ stationing is based upon R/W Project NON F-022-2-508 P.O.T. 1100+46.02 AHD.

1938 Exist R/W ℄ Stationing is based upon F.A. 59 Asbuilt Plans P.O.C. 1061+37.50 AHD

2005 1/4 Cor. Fd. 2 1/2" GLO Brass Cap on 1" I.P., 1.5' below ground, 1938

(1) 22 Fd. 2" A.C. on 1/2" rebar RLS 23379 S55°00'00"E 4.77' not accepted.

1477 C1/4 Cor. Calculated by Intersection.
300 Fd. 2" A.C. on 1/2" rebar RLS 23379 S87°20'20"E 1.88' not accepted

26 1/4 Cor. Standard Fd. 2 1/2" GLO Brass Cap on 1" I.P., 1.7' above ground, 1916

S00°48'25"W 2606.82'
S00°48'25"W 2606.43'

29 28 32 33 not searched for

P.O.C. 1088+27.88 1938 EXIST R/W ℄ L.T.B. S20°43'59"E
P.O.C. 1090+11.84 WB EXIST R/W ℄ L.T.B. S20°07'58"E
DETAIL "A"

P.O.C. 1093+99.62 1938 EXIST R/W ℄ L.T.B. S00°38'21"E
P.O.S. 1095+83.37 WB EXIST R/W ℄
DETAIL "C"

P.O.T. 1096+18.48 1938 EXIST R/W ℄
P.O.T. 1098+02.24 WB EXIST R/W ℄
DETAIL "D"

S89°34'44"E 20.00'
S89°34'44"E 20.00'
DETAIL "E"

P.O.C. 1108+65.86 1938 EXIST R/W ℄ L.T.B. S10°53'48"E
S89°27'20"E 26.21'
P.O.C. 1110+43.71 MED EXIST R/W ℄ L.T.B. S10°47'23"E
DETAIL "F"

(1) RLS 23379 was contacted by this surveyor and notified of the Fd. GLO Brass Cap at "2005, and that ADOT and this surveyor will be rejecting his monuments at "'s 22 and 300. In addition, McDOT was contacted also as "22 was used as the N1/4 of Sec. 33 as shown on GDAC survey for T.7N. R.4W. In Book 773 Page 41. McDOT later gave notification that they will be rejecting "22 and that the appropriate records would be revised and recorded.

** RECORD DIST; ANNOTATION PER R/W PROJECT NON F-022-2-508

LEGEND
302 Set Monument
300 Found Monument
New R/W monument
301 Calculated position
Existing ADOT R/W monument
★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in July 2011.

0 50 100 Scale

060-w113-rs08.dgn

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS
N/A	9/1/11	RC	REV'D SHEET FOR EXIST R/W MONUMENTATION.

DRAWING NO.	D-7-T-974
SURVEY	DEC 2006
DRAWN/DATE	J. Crume/Feb 07
ADOT REVIEW	Paul Pokatello
HUBBARD ENGINEERING	Ritoch-Powell & Associates
480-892-3313	602-263-1177
ROUTE NO.: U.S. 60	LOCATION: Turtleback Wash - Hassayampa River

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

HIGHWAY NAME: WICKENBURG - PHOENIX
FEDERAL AID NO.: Unassigned
PROJECT NO.: 060 MA 113 H6787 01R
SHEET RS-8

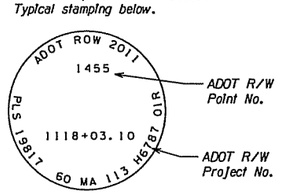
Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2011.11.21 09:06:09 -07'00'
(Expires 6-30-14)
ELECTRONIC SEAL
http://www.btr.state.az.us/

RESULTS OF SURVEY

T.7N. R.4W. MARICOPA CO.

★ STANDARD ADOT R/W MONUMENT DETAIL

Unless otherwise noted, all set monuments are 3" aluminum cap on 3/4 " rebar. Typical stamping below.



Med Exist R/W ℄ stationing is based upon R/W Project NON F-022-2-508 P.O.T. 1100+46.02 AHD.

1938 Exist R/W ℄ Stationing is based upon F.A. 59 Asbuilt Plans P.O.C. 1061+37.50 AHD

② 1938 EXIST R/W ℄ CURVE DATA
PI 1109+89.05 ← 1373
Δ=24°41'51" RT
D=1°29'35"
T=840.15'
L=1654.20'
R=3837.58' ← 1372

③ 1938 EXIST R/W ℄ CURVE DATA
PI 1128+95.79 ← 1377
Δ=11°08'34" RT
D=1°30'00"
T=372.60'
L=742.86'
R=3819.72' ← 1376

⑤ 1938 EXIST R/W ℄ CURVE DATA
PI=1139+00.56 ← 1381
Δ=15°32'01" LT
D=3°00'00"
T=260.49'
L=517.79'
R=1909.86' ← 1380

AT P.T. 1138+17.37 AHD MED EXIST R/W ℄, A STATION EQUATION WAS ADDED IN ORDER TO CORRECT A HISTORICAL DISCREPANCY

23 Sec. Cor. Fd. 2 1/2" GLO Brass Cap on 2" I.P., 1.3' above ground, 1938

S00°42'48"W 2595.43'

S00°41'47"W 2595.64'

24 1/4 Cor. Fd. 3 1/4" B.L.M. Brass Cap on 2 3/4" pipe, 1' above ground, 1957

27 Sec. Cor. Standard Corner and Cor No. 1 Tract No. 37 Fd. 3 1/2" GLO Brass Cap on 3" I.P., 0.2' below ground, 1916

SHEET RS-8

P.T. 1118+03.10 1938 EXIST R/W ℄

P.C. 1125+23.19 1938 EXIST R/W ℄

P.O.C. 1130+47.95 1938 EXIST R/W ℄ L.T.B. S17°01'06"E

P.O.C. 1132+35.65 MED EXIST R/W ℄ L.T.B. S22°54'03"E

P.T. 1138+11.64 BK P.O.T. 1138+17.37 AHD EQUA MED EXIST R/W ℄

1419.42' S89°42'09"E 2637.40'

T.S. 1140+11.66 MED EXIST R/W ℄

S.C. 1143+11.66 MED EXIST R/W ℄

P.O.T. 1142+94.87 1938 EXIST R/W ℄ P.O.C. 1144+53.58 MED EXIST R/W ℄ L.T.B. S21°31'11"E

SHEET RS-10

1455 1374 1322 1323 1522 1375 1521 1576 1229 1512 1513 1508 1456 1509 1510 1511 1494 1379 1230 1495 1500 1501 1514 1515 1516 1527 1326 1327 1577 1382 1379 1378

422 423 424 425 420

100' 123.54' 101.06'

S24°53'23"E 720.09'

S24°32'09"E 962.01'

MED Exist R/W ℄

1938 Exist R/W ℄

U.S. 60

S13°44'49"E 344.93'

S17°08'27"E 194.29'

SEE DETAIL "A"

MATCH LINE

C.S. 1118+10.13 MED EXIST R/W ℄

S.T. 1121+10.13 MED EXIST R/W ℄

P.C. 1130+72.14 MED EXIST R/W ℄

HASSAYAMPA RIVER

P.T. 1132+66.05 1938 EXIST R/W ℄

P.O.T. 1135+10.98 BK P.C. 1136+40.07 AHD 1938 EXIST R/W ℄ EQUA

P.T. 1141+57.86 1938 EXIST R/W ℄

S29°16'50"E 1926.25'

MATCH LINE

① MED EXIST R/W ℄ CURVE DATA
PI 1111+41.85 ← 1228
TOTAL CURVE
Δ=24°57'25" LT
T=995.52'
L=1963.80
MAIN CURVE
D=01°30'00"
L=1363.80'
R=3819.72' ← 1321
SPIRAL
a=0.50
Δ=2°15'00"
L=300.00'
SPI ← 1325

④ MED EXIST R/W ℄ CURVE DATA
PI 1134+42.40 ← 1231
Δ=7°23'42" RT
D=1°00'00"
T=370.26'
L=739.50'
R=5729.58' ← 1250
SPIRAL
a=0.50
Δ=2°15'00"
L=300.00'
SPI ← 1331

⑥ MED EXIST R/W ℄ CURVE DATA
PI 1145+76.28 ← 1232
TOTAL CURVE
Δ=12°23'14" LT
T=564.62'
L=1125.81'
MAIN CURVE
Δ=7°53'14" LT
D=01°30'00"
L=525.81'
R=3819.72' ← 1328

P.O.T. 1138+56.63 MED EXIST R/W ℄

60.53'

P.O.C. 1136+73.97 1938 EXIST R/W ℄ L.T.B. S14°45'50"E

DETAIL "A"

(1) See Note 1 on sheet RS-8

1477 C1/4 Cor. Calculated by Intersection Not set

300 Fd. 2" A.C. on 1/2" rebar RLS 23379 S87°20'20"E 1.88' not accepted.

33 32 S89°42'09"E 2625.59'

25 1/4 Cor. Fd. 3 1/4" B.L.M. Brass Cap on 2 3/4" pipe, 0.6' above ground, 1957

LEGEND

302 Set Monument
300 Found Monument
New R/W monument
301 Calculated position
Existing ADOT R/W monument
★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in July 2011.

0 50 100 Scale

060rw113_rs09.dgn

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CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS
N/A	9/1/11	RC	REV'D SHEET FOR EXIST R/W
			MONUMENTATION.

DRAWING NO.	D-7-T-974
SURVEY	DEC 2006
DRAWN/DATE	J. Crume/Feb 07
ADOT REVIEW	Paul Pokatello
HUBBARD ENGINEERING	Ritoch-Powell & Associates 480-892-3313 602-263-1177
ROUTE NO.:	U.S. 60
LOCATION:	Turtleback Wash - Hassayampa River

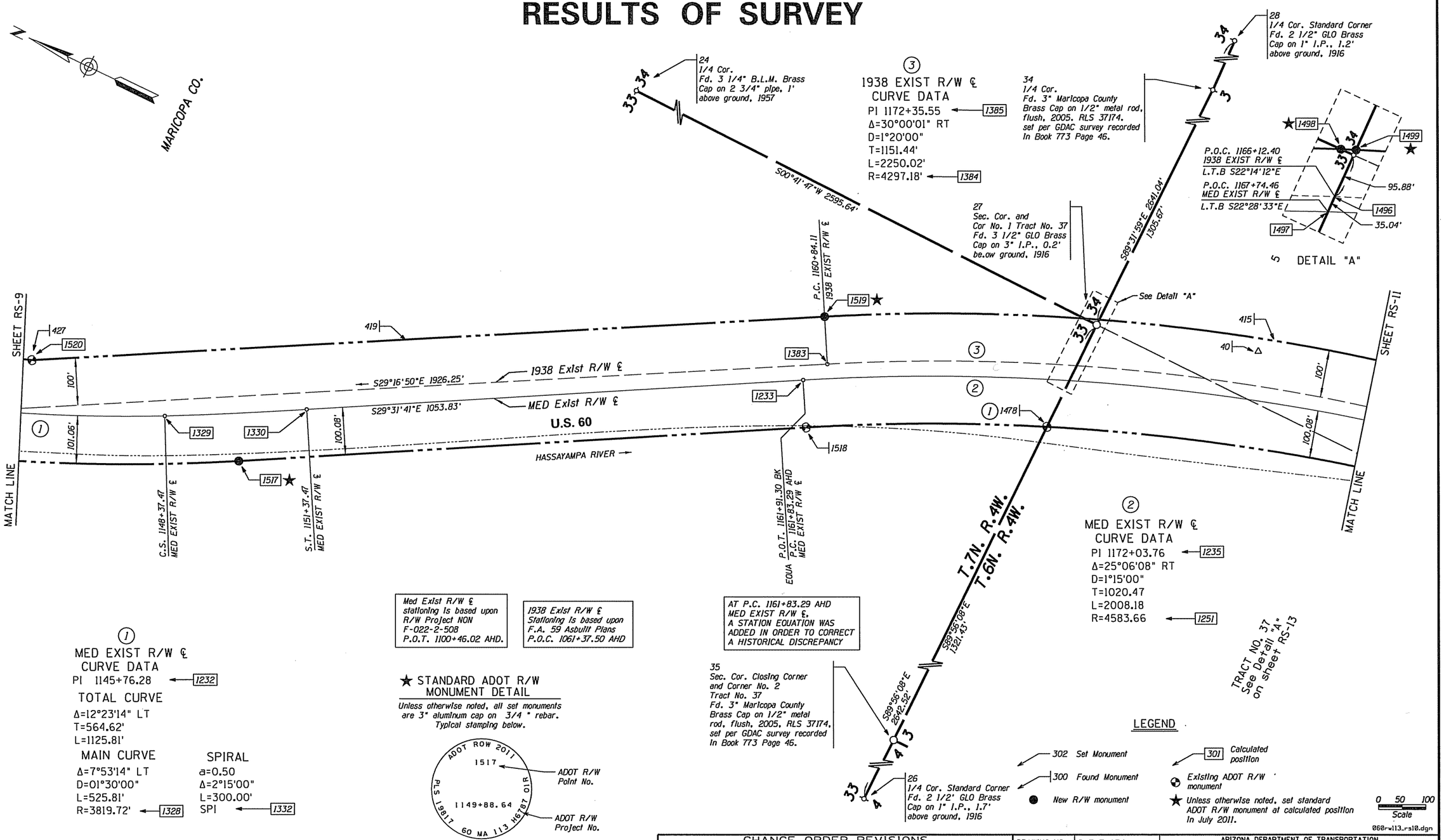
ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: WICKENBURG - PHOENIX
FEDERAL AID NO.: Unassigned
PROJECT NO.: 060 MA 113 H6787 01R

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2011.11.21 09:06:22 -07'00'
(Expires 6-30-14)
ELECTRONIC SEAL
http://www.btr.state.az.us/

SHEET RS-9

RESULTS OF SURVEY



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NOTES

(1) Fd. 3" AHD B.C. on 5/8" Rebar

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS
N/A	9/1/11	RC	REV'D SHEET FOR EXIST R/W
			MONUMENTATION.

DRAWING NO.	D-7-T-974
SURVEY	DEC 2006
DRAWN/DATE	J. Crume/Feb07
ADOT REVIEW	Paul Pokatello
HUBBARD ENGINEERING	Ritoch-Powell & Associates
480-892-3313	602-263-1177
ROUTE NO.: U.S. 60	LOCATION: Turtleback Wash - Hassayampa River

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

HIGHWAY NAME: WICKENBURG - PHOENIX
FEDERAL AID NO.: Unassigned
PROJECT NO.: 060 MA 113 H6787 01R
SHEET RS-10

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2011.11.21 09:06:36 -07'00'
(Expires 6-30-14)
ELECTRONIC SEAL
http://www.btr.state.az.us/

RESULTS OF SURVEY

T.6N. R.4W. MARICOPA CO.

Med Exist R/W ℄ stationing is based upon R/W Project NON F-022-2-508 P.O.T. 1100+46.02 AHD.

1938 Exist R/W ℄ Stationing is based upon F.A. 59 Asbuilt Plans P.O.C. 1061+37.50 AHD

(A) Points 1505 and 1507 were calculated by intersecting the N-S Mid Section line and the E-W Mid Section line respectively with the Lot line of Tract No. 37.

2001 Cor. No. 5 Tract No. 37 Fd. 2 1/2" GLO Brass Cap on 1" I.P., 1.5' above ground, 1916

34 1/4 Cor. Fd. 3" Maricopa County Brass Cap on 1/2" metal rod, flush, 2005, RLS 37174, set per GDAC survey recorded In Book 773 Page 46.

S00°15'55"W 2658.82'

(2) MED EXIST R/W ℄ CURVE DATA
PI 1194+72.39 — 1236
TOTAL CURVE
Δ=35°59'18" LT
T=1080.92'
L=2099.42'

SPIRAL	MAIN CURVE	SPIRAL
a=0.67	Δ=29°59'18" LT	a=0.67
Δ=3°00'00"	D=2°00'00"	Δ=3°00'00"
L=300.00'	L=1499.42'	L=300.00'
SPI — 1338	R=2864.79' — 1335	SPI — 1339

(4) 1938 EXIST R/W ℄ CURVE DATA
PI 1190+60.01 — 1389
Δ=36°37'53" LT
D=3°59'58"
T=474.22'
L=915.91'
R=1432.59' — 1388

DETAIL "A" — 1483, 1484, 429

DETAIL "B" — 1486, 1487, 408

SHEET RS-10 — MATCH LINE

SHEET RS-12 — MATCH LINE

TRACT NO. 37 See Detail "A" on sheet RS-13

SEE DETAIL "A"

SEE DETAIL "B"

SEE DETAIL "C"

P.T. 1183+34.13 1938 EXIST R/W ℄

S.C. 1186+91.47 MED EXIST R/W ℄

P.C. 1201+38.69 1938 EXIST R/W ℄

S.C. 1201+90.89 MED EXIST R/W ℄

414, 413, 418, 1572, 1479, 1234, 1578, 1386, 1334, 1333, 1573, 1574, 1387, 1579, 1390, 1391, 1488, 407, 1336, 1200

S04°25'33"E 200.00'

S00°43'11"W 251.66'

S35°54'42"E 636.99'

100', 100.08', VARIES, 151.31'

MED Exist R/W ℄ (2)

U.S. 60

1938 Exist R/W ℄ (4)

HASSAYAMPA RIVER

(1) MED EXIST R/W ℄ CURVE DATA
PI 1172+03.76 — 1235
Δ=25°06'08" RT
D=1°15'00"
T=1020.47'
L=2008.18'
R=4583.66' — 1251

(3) 1938 EXIST R/W ℄ CURVE DATA
PI 1172+35.55 — 1385
Δ=30°00'01" RT
D=1°20'00"
T=1151.44'
L=2250.02'
R=4297.18' — 1384

(5) 1938 EXIST R/W ℄ CURVE DATA
PI 1204+02.91 — 1393
Δ=7°54'50" LT
D=1°30'00"
T=264.22'
L=527.59'
R=3819.72' — 1392

P.T. 1181+91.47 MED EXIST R/W ℄

T.S. 1183+91.47 MED EXIST R/W ℄

P.O.C. 1183+10.98 1938 EXIST R/W ℄ L.T.B. S00°24'40"W

P.O.S. 1184+50.71 MED EXIST R/W ℄

P.C. 1185+85.79 1938 EXIST R/W ℄

P.T. 1195+10.70 1938 EXIST R/W ℄

P.O.T. 1196+52.86 1938 EXIST R/W ℄

P.O.C. 1197+67.09 MED EXIST R/W ℄ S28°56'18"E L.T.B.

C.S. 1201+90.89 MED EXIST R/W ℄

1575, 1480 — DETAIL "C"

TRACT NO. 37 See Detail "A" on sheet RS-13

★ STANDARD ADOT R/W MONUMENT DETAIL

Unless otherwise noted, all set monuments are 3" aluminum cap on 3/4 " rebar. Typical stamping below.

ADOT ROW 2011 / 1572 / 1172+30.00 / PLS 19817 / 60 MA 113 H6787 01R

ADOT R/W Point No.

ADOT R/W Project No.

LEGEND

302 Set Monument
300 Found Monument
New R/W monument
301 Calculated position
Existing ADOT R/W monument
★ Unless otherwise noted, set standard ADOT R/W monument at calculated position In July 2011.

0 50 100 Scale

060rw113_rs11.dgn

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CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS
N/A	9/1/11	RC	REV'D SHEET FOR EXIST R/W
			MONUMENTATION.

DRAWING NO.	D-7-T-974
SURVEY	DEC 2006
DRAWN/DATE	J.Crume/Feb 07
ADOT REVIEW	Paul Pokatello
HUBBARD ENGINEERING	Ritoch-Powell & Associates
480-892-3313	602-263-1177
ROUTE NO.:	U.S. 60
LOCATION:	Turtleback Wash - Hassayampa River

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

HIGHWAY NAME: WICKENBURG - PHOENIX
FEDERAL AID NO.: Unassigned
PROJECT NO.: 060 MA 113 H6787 01R
SHEET RS-11

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2011.11.21 09:06:51 -07'00'
(Expires 6-30-14)
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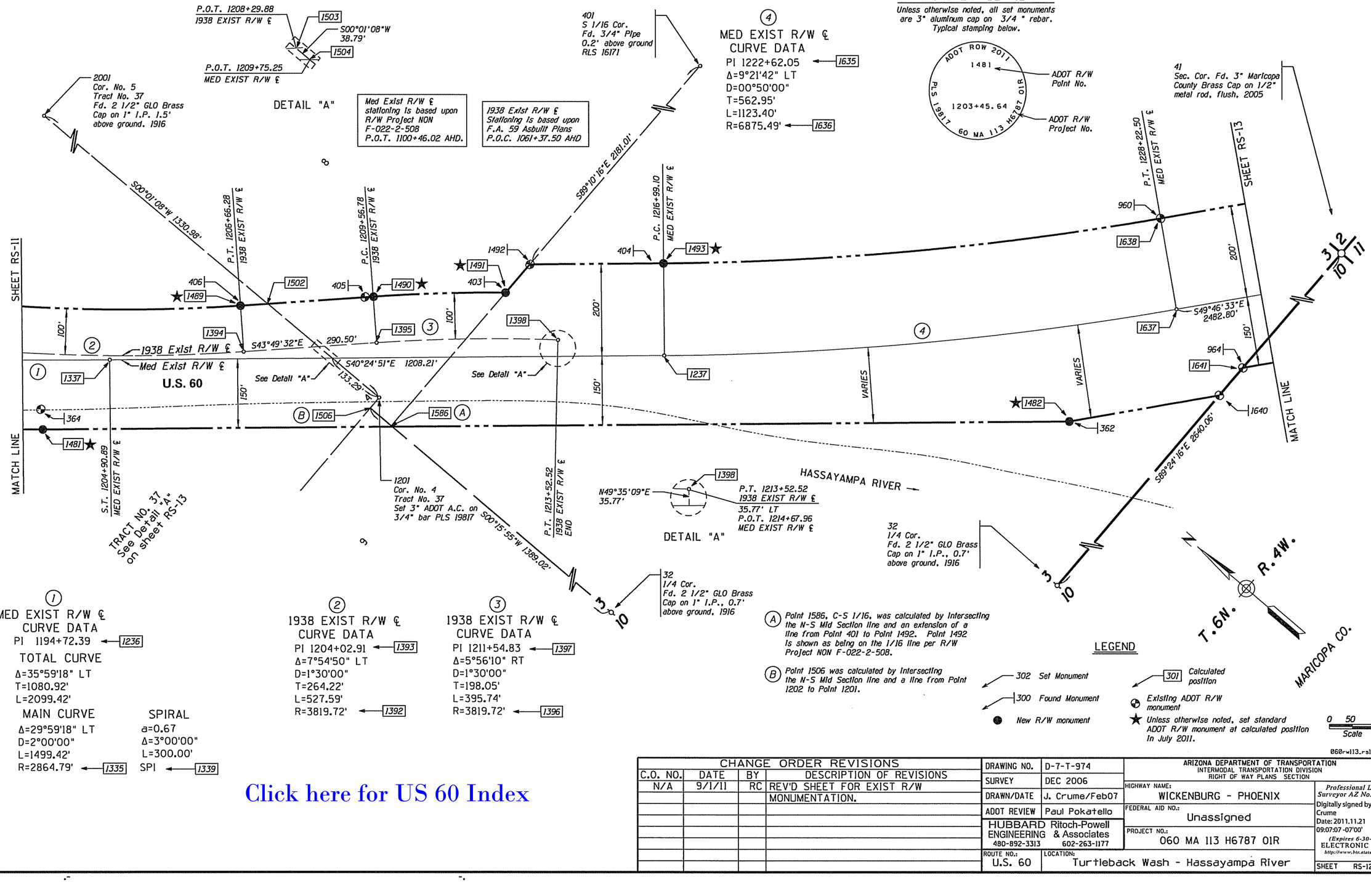
RESULTS OF SURVEY



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CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS
N/A	9/1/11	RC	REV'D SHEET FOR EXIST R/W
			MONUMENTATION.

DRAWING NO.	D-7-T-974
SURVEY	DEC 2006
DRAWN/DATE	J. Crume/Feb07
ADOT REVIEW	Paul Pokatello

HUBBARD Ritoch-Powell ENGINEERING & Associates
480-892-3313 602-263-1177

ROUTE NO.: U.S. 60
LOCATION: Turtleback Wash - Hassayampa River

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

HIGHWAY NAME: WICKENBURG - PHOENIX
FEDERAL AID NO.: Unassigned
PROJECT NO.: 060 MA 113 H6787 01R

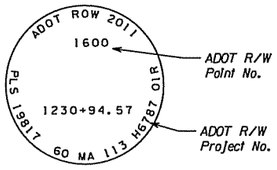
Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2011.11.21 09:07:07 -07'00'
(Expires 6-30-14)
ELECTRONIC SEAL
http://www.btr.state.az.us/

SHEET RS-12

RESULTS OF SURVEY

★ STANDARD ADOT R/W MONUMENT DETAIL

Unless otherwise noted, all set monuments are 3" aluminum cap on 3/4 " rebar. Typical stamping below.



SHEET RS-12

MATCH LINE

32
1/4 Cor.
Fd. 2 1/2" GLO Brass Cap on 1" I.P., 0.7' above ground, 1916

41
Sec. Cor. Fd. 3" Maricopa County Brass Cap on 1/2" metal rod, flush, 2005

1109.21'
S89°24'16"E 2640.06'

924.86'
N00°01'34"E 2639.26'

Med Exist R/W ℄ stationing is based upon R/W Project NON F-022-2-508
P.O.T. 1100+46.02 AHD.

1600 ★ 1639 ★ 962 1642

1673
P.O.T. 1231+24.00
MED EXIST R/W ℄

150' 150'

MED Exist R/W ℄
S49°46'33"E 2482.80'
U.S. 60

1647 ★

1674
P.O.T. 1245+74.00
MED EXIST R/W ℄

150' 150'

1646 ★ 943

3947.7'

See Detail "B"

1650
1/16 Cor.
Fd. Cotton Spindle In 2" pipe. Added tag PLS 19817

1643 971 969 968 1648 1644

2 3 4 5 6 7

Sahuaro Blossom Lane

TERRY HILLS ESTATES
BOOK 83 PAGE 19

952

957
1/16 Cor.
Fd. 1/2" pipe, Added tag PLS 19817

N00°14'49"E 1320.03'

1649
1/16 Cor.
Fd. 2" Pipe Added tag PLS 19817

END P.O.T. 1253+05.30 BK MED EXIST R/W ℄ EQUA
20.00' LT P.O.T. 1253+03.89 AHD WB EXIST R/W ℄ BEGIN

S89°38'16"E 1317.22'

1664 ★ 126

1610

200' 180'

VARIES

1634 1657 S49°46'33"E 820.44' WB Exist R/W ℄

1652 1653 (1) EB Exist R/W ℄

200' 180'

VARIES

END P.O.T. 1253+05.30 BK MED EXIST R/W ℄ EQUA
20.00' RT P.O.T. 1253+03.29 AHD EB EXIST R/W ℄ BEGIN

S49°46'33"E 114.18'

P.C. 1254+17.47 EB EXIST R/W ℄

SHEET RS-14

MATCH LINE

EB & WB Exist R/W ℄ stationing is based upon R/W Project 074 MA 000 H7303 01R
WB P.O.T. 1272+11.78 &
EB P.OT. 1271+04.33 at East-West Mid Section line of Section 11.

(1) EB EXIST R/W ℄ CURVE DATA
PI 1259+06.27 ← 1666
Δ=4°53'06" RT
D=00°30'00"
T=488.80'
L=977.00'
R=11459.16' ← 1654

T.6N. R.4W.

MARICOPA CO.

10 11

44
1/4 Cor.
Fd. 2 1/2" GLO Brass Cap on 1" I.P., 2.5' up, 1916

1645 ★ 1672 125 944 945

DETAIL "B"

LEGEND

302 Set Monument
300 Found Monument
New R/W monument
301 Calculated position
Existing ADOT R/W monument
★ Unless otherwise noted, set standard ADOT R/W monument at calculated position In July 2011.

0 50 100 Scale

060rwl13_rs13.dgn

---

3 10

27
Sec. Cor. Standard Corner and Cor. No. 1 Tract No. 37
Fd. 3 1/2" GLO Brass Cap on 3" I.P., 0.2' below ground, 1916

1201
Cor. No. 4 Tract No. 37
Set 3" ADOT A.C. on 3/4" bar PLS 19817

2001
Cor. No. 5 Tract No. 37
Fd. 2 1/2" GLO Brass Cap on 1" I.P., 1.5' above ground, 1916

35
Sec. Cor. Closing Corner and Cor. No. 2 Tract No. 37
Fd. 3" Maricopa County Brass Cap on 1/2" metal rod, flush, 2005, RLS 37174, set per GDAC survey recorded In Book 773 Page 46.

S89°56'08"E 1321.43'

S00°05'40"W 2659.59'

S89°31'18"E 1322.04'

S00°01'08"W 1330.98'

1200

S00°12'46"W 2723.15'

N00°04'08"E 3983.54'

Tract No. 37

N89°35'52"W 2643.45'

1202

30
1/4 Cor.
Fd. 2 1/2" GLO Brass Cap on 1" I.P., 0.5' above ground, 1916

DETAIL "A"

Corners 3, 4 & 6 were not found. The B.L.M. Grant Boundary Adjustment method was used to determine calculated positions for the missing corners as follows: Found monuments for corners 2 & 5 were utilized to adjust the record courses and distances from corners 2, 3, 4 & 5. Found monuments for corners 1 & 5 were utilized to adjust the record courses and distance from corners 5, 6 & 1. Corner number 4 was set as noted hereon.

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CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS
N/A	9/1/11	RC	REV'D SHEET FOR EXIST R/W MONUMENTATION.

DRAWING NO.	D-7-T-974
SURVEY	AUG 2007
DRAWN/DATE	J. Crume/Feb07
ADOT REVIEW	Paul Pokatello

HUBBARD Ritoch-Powell ENGINEERING & Associates
480-892-3313 602-263-1177

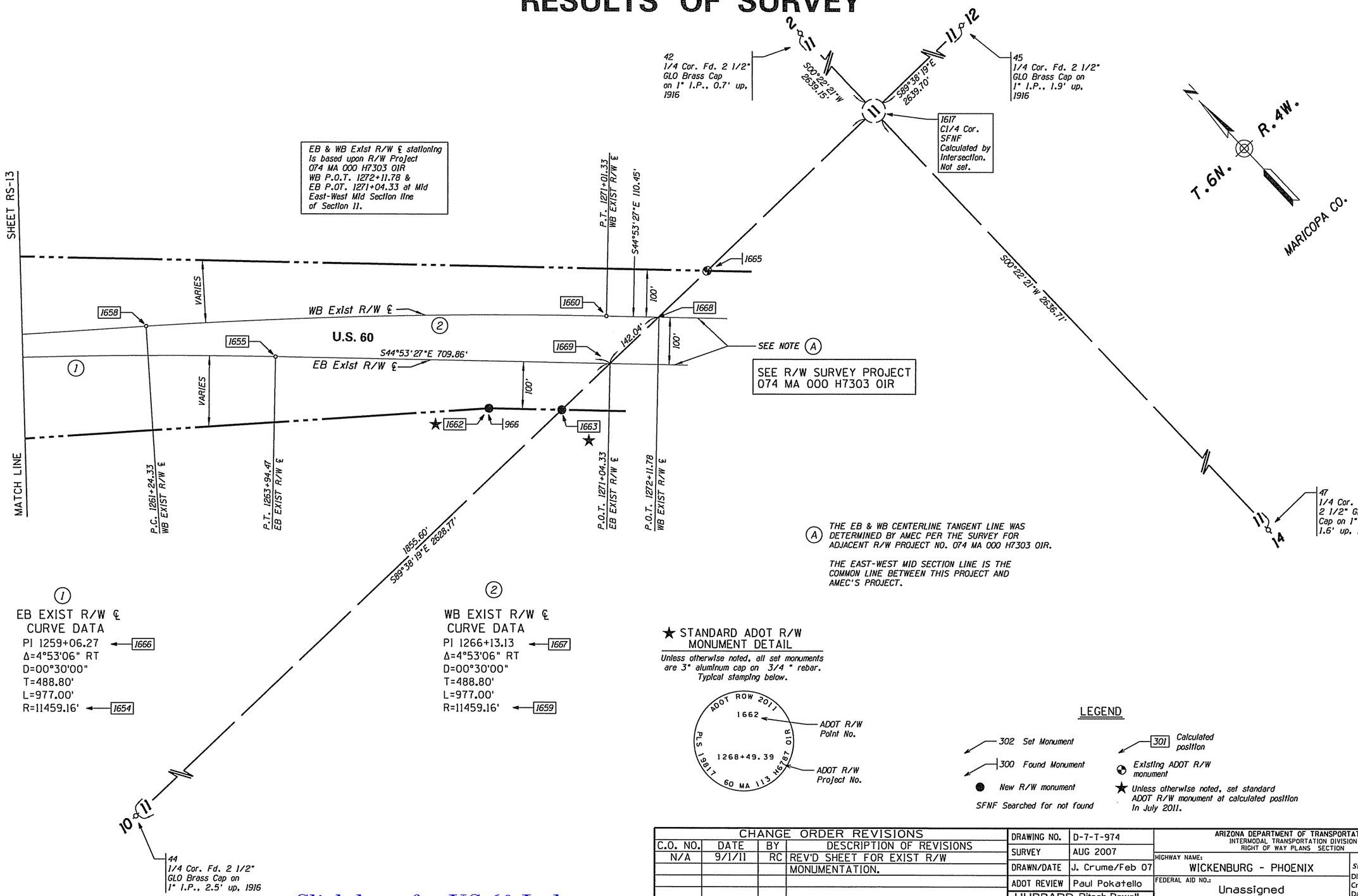
ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME:	WICKENBURG - PHOENIX
FEDERAL AID NO.:	Unassigned
PROJECT NO.:	060 MA 113 H6787 01R
ROUTE NO.:	U.S. 60
LOCATION:	Turtleback Wash - Hassayampa River

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2011.11.21 09:07:21 -07'00'
(Expires 6-30-14)
ELECTRONIC SEAL
http://www.btr.state.az.us/

SHEET RS-13

RESULTS OF SURVEY



(1) EB EXIST R/W ℄ CURVE DATA
PI 1259+06.27 ← 1666
Δ=4°53'06" RT
D=00°30'00"
T=488.80'
L=977.00'
R=11459.16' ← 1654

(2) WB EXIST R/W ℄ CURVE DATA
PI 1266+13.13 ← 1667
Δ=4°53'06" RT
D=00°30'00"
T=488.80'
L=977.00'
R=11459.16' ← 1659

(A) THE EB & WB CENTERLINE TANGENT LINE WAS DETERMINED BY AMEC PER THE SURVEY FOR ADJACENT R/W PROJECT NO. 074 MA 000 H7303 01R.

THE EAST-WEST MID SECTION LINE IS THE COMMON LINE BETWEEN THIS PROJECT AND AMEC'S PROJECT.

★ STANDARD ADOT R/W MONUMENT DETAIL

Unless otherwise noted, all set monuments are 3" aluminum cap on 3/4 " rebar. Typical stamping below.

LEGEND

- 302 Set Monument
- 300 Found Monument
- New R/W monument
- SFNF Searched for not found
- 301 Calculated position
- Existing ADOT R/W monument
- ★ Unless otherwise noted, set standard ADOT R/W monument at calculated position In July 2011.

0 50 100 Scale

060rw113_rs14.dgn

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CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS
N/A	9/1/11	RC	REV'D SHEET FOR EXIST R/W MONUMENTATION.

DRAWING NO.	D-7-T-974
SURVEY	AUG 2007
DRAWN/DATE	J. Crume/Feb 07
ADOT REVIEW	Paul Pokatello
HUBBARD ENGINEERING	Ritoch-Powell & Associates
480-892-3313	602-263-1177
ROUTE NO.:	U.S. 60
LOCATION:	Turtleback Wash - Hassayampa River

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

HIGHWAY NAME: WICKENBURG - PHOENIX
FEDERAL AID NO.: Unassigned
PROJECT NO.: 060 MA 113 H6787 01R

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2011.11.21 09:07:37 -07'00'
(Expires 6-30-14)
ELECTRONIC SEAL
http://www.btr.state.az.us/

SHEET RS-14

RESULTS OF SURVEY

GENERAL NOTES

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

LARK NAD 83(1992) 33°56'47.32377"(N) 112°42'13.24141"(W)
Grid Coordinates N 1072824.13431 E 461328.61498
Ground Coordinates (Pt. 101) N 1072965.08409 E 461389.22526

4MH2 NAD 83(1992) 33°53'51.51167"(N) 112°40'04.55112"(W)
Grid Coordinates N 1054971.66100 E 472039.60200
Ground Coordinates (Pt. 40) N 1055110.26529 E 472101.61951

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

SYSTEM: UNITED STATES STATE PLANE 1983
ZONE: ARIZONA CENTRAL 0202
DATUM: NORTH AMERICAN 1983 (CONUS) EQUIVALENT TO WGS-84
GEOID MODEL: GEOID03 (CONTINENTAL US)

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

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

GPS CALIBRATION AND TRANSLATION TO THE SURFACE WAS PERFORMED BY GPS SURVEY SOFTWARE. A GRID ADJUSTMENT FACTOR OF 1.000131382 AND SCALE ORIGIN VALUES OF N=0.00, E=0.00, AS OBTAINED FROM ADOT (P&M JOB NO. LS 1052) WERE USED FOR THE TRANSLATION TO THE SURFACE.

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

THE INFORMATION 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 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.

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

CALCULATED POINTS

PT.	NORTHING	EASTING
909	1073907.02548	460709.80005
★918	1073935.14672	460751.14151
1203	1070425.30694	463640.85025
1204	1070034.74676	464006.68451
1205	1070096.29289	464086.05269
1206	1069583.19548	464293.86633
★1207	1069907.47053	464268.93287
★1208	1069907.00233	464328.50567
1210	1067100.15730	465873.05223
1211	1067240.54679	465902.27687
1212	1066364.50219	466250.40222
1213	1066307.09839	466244.74200
1216	1065942.15847	466558.14916
1217	1065190.86244	467150.90964
1218	1064580.05956	467708.90371
1219	1064865.26577	467407.80017
1220	1063662.86449	468677.22301
1221	1063648.34424	468663.46938
1222	1063677.38474	468690.97663

CALCULATED POINTS

PT.	NORTHING	EASTING
1223	1062833.80625	469523.40952
1224	1062850.89363	469563.53616
1225	1061649.36822	469514.70594
1226	1061649.22126	469534.70540
1227	1061649.07430	469554.70486
1228	1060553.42085	469526.65316
1229	1058772.65373	470339.54440
1230	1058082.00602	470602.42703
1231	1058435.82404	470493.30168
1232	1057356.80111	470826.09637
1233	1055948.56089	471623.75221
1234	1054043.21717	472205.43673
1235	1055060.63957	472126.68887
1236	1052766.11680	472304.28349
1237	1051023.22858	473788.34086
1238	1073899.71368	460699.05086
1239	1073914.33696	460720.54876
1240	1073829.98041	460777.92967
1241	1073418.34534	461026.48671
1242	1072441.20998	461889.58965
1243	1072029.57490	462138.14669

CALCULATED POINTS

PT.	NORTHING	EASTING
1244	1072680.68661	461528.25613
1245	1073092.32168	461279.69909
1246	1079863.36181	470501.40183
1247	1080274.99689	470252.84479
1248	1066508.41348	459459.22268
1249	1068739.80536	471649.02794
1250	1056393.36770	465127.34122
1251	1053689.50269	467635.44492
1254	1070401.12692	463800.51735
1255	1070178.65872	464001.72835
1256	1068332.32071	461811.28277
1257	1069994.11742	464144.83106
1258	1069743.85501	464310.19944
1259	1070255.14139	463937.26071
1260	1069912.63810	464202.85518
1261	1067595.37140	465676.61219
1262	1067339.49018	465833.14579
1263	1065930.71897	463338.67599
1264	1067126.54941	465941.94423
1265	1066849.76540	466057.56680
1266	1067426.58831	465783.95644
1267	1067035.65242	465983.69844
1268	1067433.63378	465660.96473
1269	1067178.42433	465818.62178
1270	1065256.68818	462517.53399
1271	1067012.24159	465909.91997
1272	1066742.30481	466040.77005
1273	1067264.86040	465768.30281
1274	1066923.41495	465955.88759
1276	1066472.94903	466172.79288
1277	1067822.80510	468699.62973
1278	1066168.47197	466360.78432
1279	1065929.77309	466542.44559
1280	1066561.17731	466125.66064
1281	1066086.80768	466418.54782
1283	1066505.29648	466205.45270
1284	1067522.87530	468258.99196
1285	1066255.08204	466349.75373
1286	1065954.54658	466573.85059
1287	1066617.37731	466149.91391
1288	1066150.87704	466418.94902
1290	1063383.21589	468928.51116
1291	1061853.67940	467221.75743
1292	1062024.18072	469507.23768
1294	1063476.36940	468845.03005
1295	1061899.44071	469516.54354
1310	1063563.57347	468811.13172
1311	1063357.10856	469029.10493
1312	1063241.73031	469125.24521
1313	1062019.13002	467657.99876
1314	1062102.29928	467917.85054
1315	1062601.36098	469476.94645
1316	1062265.00038	469546.76769
1317	1062148.77338	469558.37679
1318	1061915.31711	469556.66129
1319	1061548.90909	469533.96828
1320	1061248.93469	469535.69070
1321	1061370.84615	473353.46335
1322	1059922.29842	469819.06666
1323	1059647.79969	469940.05450
1324	1061348.89970	469532.49856
1325	1059829.75336	469856.99561
1326	1057896.34252	470659.68979
1327	1057610.86926	470751.84522
1328	1058879.06078	474354.89125
1329	1057128.44615	470959.95400
1330	1056865.51702	471104.36965
1331	1057705.21184	470718.63874
1332	1057039.55271	471005.79230
1333	1053843.80882	472220.87081
1334	1053545.18954	472249.23449
1335	1053915.44262	475089.99646
1336	1052174.87629	472814.59653
1337	1051943.13167	473005.04968
1338	1053644.37899	472236.30655
1339	1052095.42730	472875.37100
1340	1073906.44928	460710.19199
1341	1073169.65031	461211.37659
1342	1080343.95395	470174.06389

CALCULATED POINTS

PT.	NORTHING	EASTING
1343	1072519.29749	461820.55631
1344	1070293.41943	463905.51654
1345	1068334.97200	461814.70201
1346	1070098.13927	464088.43374
1347	1069872.36355	464232.02470
1348	1067398.21535	465805.55667
1349	1065862.16543	463390.34349
1350	1067144.70529	465966.78637
1351	1066863.24265	466071.86329
1352	1066683.05453	466139.13195
1353	1067351.02226	467928.37322
1354	1066401.84470	466244.11448
1355	1066166.39670	466430.29862
1356	1065993.60348	466566.93752
1357	1064808.97792	465068.86292
1358	1065905.46511	466636.63429
1359	1065809.76196	466695.51486
1360	1065721.64470	466749.72827
1361	1068754.34743	471679.01527
1362	1065072.87015	467148.88140
1363	1064549.47112	467702.31168
1364	1063268.28858	469057.00508
1365	1062114.12904	467965.47467
1366	1062945.73948	469398.06120
1367	1062489.61942	469509.01924
1368	1062098.93508	467903.01619
1369	1062299.81671	469555.19160
1370	1062104.47975	469555.84689
1371	1061368.09389	469558.31721
1372	1061380.96756	473395.87561
1373	1060527.94981	469561.13560
1374	1059765.83432	469914.73142
1375	1059112.62653	470217.79776
1376	1057505.01008	466752.85472
1377	1058774.63013	470374.61666
1378	1058412.69932	470463.15944
1379	1058077.65409	470545.12493
1380	1058531.49871	472400.27729
1381	1057824.62453	470607.02611
1382	1057597.41463	470734.42852
1383	1055917.27100	471676.52809
1384	1053815.58426	467928.37271
1385	1054912.94501	472239.67940
1386	1053761.59761	472225.21357
1387	1053509.95570	472222.05187
1388	1053491.95768	473654.52881
1389	1053035.77390	472216.09413
1390	1052651.69264	472494.24058
1391	1052135.77950	472867.85789
1392	1054376.18127	475961.53868
1393	1051921.78430	473022.83033
1394	1051731.16448	473205.79068
1395	1051521.58242	473406.95133
1396	1048876.56562	470651.20333
1397	1051378.70039	473544.09209
1398	1051222.40149	473665.72070
1400	1064624.89824	467624.04232
★1401	1073934.57097	460751.53411
1402	1073620.00892	460844.56312
1403	1073584.57587	460792.47247
1404	1073362.10241	460943.80313
★1405	1072553.47883	461857.04789
1406	1071961.21221	462065.16352
★1407	1072744.32367	461682.31041
1408	1072669.94130	461681.95770
1409	1072668.94225	461681.95296
1410	1072547.66420	461681.37788
★1411	1072392.86559	461680.64385
1412	1071232.53131	463108.06951

CALCULATED POINTS

PT.	NORTHING	EASTING
★1413	1071232.53961	463094.35994
★1414	1071232.74972	462747.50787
1415	1071232.66667	462884.60355
1416	1071232.58363	463021.69923
1417	1071232.58114	463025.81210
★1418	1071870.44469	462510.54170
★1419	1071863.60819	462503.24361
★1420	1070356.94425	463567.86709
★1421	1070327.60077	463942.00813
1422	1069749.72704	464310.02022
1423	1069744.13821	464310.01932
1424	1069557.84406	464309.98956
★1425	1069371.54991	464309.95980
★1426	1068577.31171	464815.08685
1427	1068576.04491	464934.40339
1428	1068574.77812	465053.71992
1429	1068574.74011	465057.29942
★1430	1068573.47331	465176.61595
★1431	1065926.47900	466414.27912
1432	1065922.45981	466573.69110
1433	1065921.25670	466621.40958
★1435	1065581.88720	466958.51187
1436	1065440.21361	466954.17558
1437	1065413.20486	466953.34891
★1438	1065249.58096	466948.34077
★1439	1064622.12557	467771.02362
1440	1063340.94303	469125.71702
★1441	1063266.97394	468897.08727
1442	1063264.85446	469060.62484
1443	1063265.28679	469027.26645
★1445	1063263.01010	469202.93465
★1446	1062776.77626	469518.57915
1447	1062496.84999	469507.24234
1448	1062494.68044	469507.15447
1449	1062156.71900	469493.46728
★1450	1060874.67052	469441.54523
★1451	1062104.81521	469655.84633
★1452	1061832.86900	469413.49159
★1453	1061395.11082	469410.27482
★1454	1061368.42935	469658.31664
★1455	1059807.92160	470005.44339
★1456	1059733.35613	469766.27500
1457	1063263.98885	469127.41512
★1458	1060656.96993	469475.36144
★1459	1060654.55382	469729.56584
1460	1060655.52404	469627.48710
1461	1060655.77318	469601.27386
1462	1060687.81267	469672.37959
1463	1061286.60240	469617.59841
1464	1061707.16720	470491.90572
1465	1061076.16361	470549.20693
★1470	1067451.88042	465889.93712
★1471	1066898.21735	466165.54771
★1472	1066718.02922	466232.81637
★1473	1066228.42352	466508.73760
★1474	1066055.63031	466645.37649
★1475	1066106.08016	466272.57670
★1476	1067130.05161	465735.52890
★1479	1054712.96192	472000.65063
★1480	1052780.58952	472295.54412
★1481	1051957.85158	472795.50458
★1482	1050253.98019	474246.33939
★1483	1053851.52574	472320.57351
★1484	1053851.89952	472325.40274
★1486	1052593.07648	472661.95031
★1487	1052592.38132	472660.66149
★1488	1052194.43306	472948.85024

CALCULATED POINTS

	NORTHING	EASTING
★1489	1051800.41083	473277.93597
★1490	1051590.82877	473479.09662
★1491	1051375.97489	473670.66656
★1493	1051152.89021	473940.61647
1494	1058044.48617	470613.99899
1495	1058044.80042	470553.47195
1496	1055441.77464	471905.96756
1497	1055441.81404	471870.93119
★1498	1055470.60370	472002.20415
★1499	1055441.56883	472013.87955
★1500	1058043.92334	470722.40415
★1501	1058045.33711	470450.10129
1502	1051757.49723	473319.12522
1503	1051613.13470	473319.07779
1504	1051574.34964	473319.06505
★1508	1059596.90962	469828.55941
★1509	1059454.70670	469517.04138
★1510	1059082.65589	469749.53532
★1511	1058588.27378	469935.63850
★1512	1058721.75900	470228.05144
★1513	1058458.14593	470348.38652
★1514	1058053.89085	470447.98942
★1515	1057548.50612	470647.20491
★1516	1057441.76013	470707.06012
★1517	1056946.54579	470943.45391
1518	1055899.23643	471536.67119
★1519	1055966.17951	471763.75170
1520	1057432.24009	470941.69398
★1522	1059154.71382	470308.50972
★1523	1065862.16287	466780.68612
★1524	1065774.04561	466834.89953
★1526	1062513.25657	469606.18552
★1527	1058388.93608	470366.02393
★1572	1054831.10656	472000.84547
★1573	1053762.85394	472125.22146
★1574	1053511.21202	472122.05977
★1575	1052780.57448	472297.04362
1576	1058622.95989	470405.31268
1577	1057477.90636	470801.43987
1578	1053784.74813	472225.44207
1579	1052529.26763	472582.89912
1580	1072724.62622	461632.85891
1581	1065610.22731	466820.03751
1582	1063435.06247	468880.66214
1583	1062676.49942	469451.16052
1584	1062117.36960	469555.75338
1585	1061898.51571	469556.53783
★1600	1050208.07069	474920.02570
1610	1048700.25312	476702.76114
1634	1048627.72531	476478.80972
1635	1050594.60872	474153.30774
1636	1055480.66496	479023.18791
1637	1050231.06521	474583.13552
1638	1050383.76996	474712.29147
★1639	1050170.43455	474887.09820
1641	1050038.80566	474578.17211
★1645	1048703.70638	476156.69781
★1646	1048903.88661	475920.01906
★1647	1049296.07128	475920.88267
1652	1048612.45483	476465.89412
1653	1048538.71970	476553.07326
1654	1039789.37915	469152.97948
1655	1047876.77448	477271.25422
1657	1048642.99578	476491.72531
1658	1048113.17234	477118.15058
1659	1039363.83180	469718.05680
1660	1047451.22712	477836.33154

CONTINUED ON SHEET RS-16

★ *Unless otherwise noted, set standard ADOT R/W monument at calculated position in July 2011. See sheets RS-3 to RS-14 for detailed monument information.*

060rw113_rs15.dgn

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS
N/A	9/1/11	RC	REV'D SHEET FOR EXIST R/W
			MONUMENTATION.

DRAWING NO.	D-7-T-974
SURVEY	DEC 2006
DRAWN/DATE	J. Crume/Feb07
ADOT REVIEW	Paul Pokatello

HUBBARD Ritoch-Powell ENGINEERING & Associates
480-892-3313 602-263-1177

ROUTE NO.: U.S. 60

LOCATION: Turtleback Wash - Hassayampa River

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

HIGHWAY NAME: WICKENBURG - PHOENIX

FEDERAL AID NO.: Unassigned

PROJECT NO.: 060 MA 113 H6787 01R

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2011.11.21 09:07:51 -07'00'
(Expires 6-30-14)
ELECTRONIC SEAL
http://www.btr.state.az.us/

SHEET RS-15

Click here for US 60 Index

RESULTS OF SURVEY

EXIST 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 THE EXISTING DOCUMENTATION LISTED HEREIN.

LEFT SIDE			RIGHT SIDE			LEFT SIDE			RIGHT SIDE		
PT.	STATION	OFFSET	PT.	STATION	OFFSET	PT.	STATION	OFFSET	PT.	STATION	OFFSET
918	945+06.06	50.00 LT	**919	946+86.94	37.00 RT	1521	1129+59.65	100.00 LT	* 1517	1149+88.64	100.58 RT
1401	945+06.75	50.00 LT	**1402	950+00.05	37.00 RT	EQUA	1138+11.64BK	---	* 1518	1161+91.30	100.08 RT
1342	Radius Pt.	---	**1403	950+00.05	100.00 RT		1138+17.37AHD	---	* EQUA	1161+91.30BK	---
1407	960+25.46	50.00 LT	**1404	952+69.11	100.00 RT	1500	1137+21.96	162.58 LT		1161+83.29AHD	---
1342	Radius Pt.	---	1246	Radius Pt.	---	1520	1144+03.30	100.00 LT	1251	Radius Pt.	---
1405	962+85.36	50.00 LT	**1411	964+76.66	100.00 RT	1519	1160+84.11	100.00 LT	* 1478	1167+04.92	100.08 RT
1419	972+30.61	50.00 LT	1246	Radius Pt.	---	1384	Radius Pt.	---	1251	Radius Pt.	---
1418	972+30.61	60.00 LT	**1406	970+49.80	100.00 RT	1498	1166+21.91	100.00 LT	* 1479	1174+89.93	100.08 RT
1412	981+04.66	60.00 LT	**1414	980+47.92	100.00 RT	1384	Radius Pt.	---	1572	1172+30.00	100.00 RT
1413	980+95.28	50.00 LT	**1420	992+47.93	100.00 RT	1499	1166+52.50	100.00 LT	1384	Radius Pt.	---
1421	993+35.21	50.00 LT	1248	Radius Pt.	---	1384	Radius Pt.	---	1573	1183+34.13	100.00 RT
1345	Radius Pt.	---	**133	1003+15.11	100.00 RT	1484	1182+44.65	100.00 LT	1574	1185+85.79	100.00 RT
1207	998+59.15	50.00 LT	**1425	1005+02.33	100.00 RT	1483	1182+44.98	95.17 LT	1388	Radius Pt.	---
1209	998+81.24	84.55 LT	**1426	1014+43.59	100.00 RT	1486	1196+47.54	101.45 LT	1575	1192+95.30	100.00 RT
1208	998+91.35	100.00 LT	**1476	1031+62.57	96.14 RT	1487	1196+47.35	100.00 LT	* 1480	1194+25.30	151.31 RT
1430	1014+71.72	100.00 LT	**1475	1043+10.27	108.04 RT	1488	1201+38.69	100.00 LT	1335	Radius Pt.	---
1470	1028+00.93	100.00 LT	**1431	1045+33.82	102.75 RT	1392	Radius Pt.	---	* 1481	1203+45.64	150.61 RT
EQUA	1028+00.93BK	---	* EQUA	1046+22.93BK	---	1489	1206+66.28	100.00 LT	* 1586	1211+02.41	148.13 RT
	1028+12.80AHD	---		1046+21.90AHD	---	1502	1207+25.76	100.00 LT	* 1482	1225+58.37	205.22 RT
1349	Radius Pt.	---	1438	1052+45.66	100.00 RT	1490	1209+56.78	100.00 LT	* 1640	1228+82.49	200.00 RT
1471	1034+11.48	100.00 LT	1361	Radius Pt.	---	1396	Radius Pt.	---	* 1641	1229+42.87	150.00 RT
1472	1036+03.82	100.00 LT	1682	1062+46.20	100.00 RT	1491	1212+37.36	100.00 LT	* 1646	1247+00.31	150.00 RT
1353	Radius Pt.	---	1683	1070+74.77	100.00 RT	1492	1212+87.77	161.99 LT	* 1645	1250+10.29	150.00 RT
1473	1041+99.28	100.00 LT	1684	1070+30.73	50.00 RT	* 1493	1216+99.10	200.00 LT	* 1672	1249+50.41	200.00 RT
1474	1044+19.57	100.00 LT	1685	1080+61.51	50.00 RT	1636	Radius Pt.	---	EQUA	1253+05.30BK	---
1357	Radius Pt.	---	**1441	1081+84.26	100.00 RT	* 1638	1228+22.50	200.00 LT		1253+03.29AHD	---
1434	1045+80.93	100.00 LT	1291	Radius Pt.	---	* 1600	1230+94.57	200.00 LT	**1662	1268+49.39	100.00 RT
1357	Radius Pt.	---	**1452	1098+09.90	101.36 RT	* 1639	1230+93.74	150.00 LT	**1663	1270+03.44	100.00 RT
1523	1046+44.04	100.00 LT	* EQUA	1099+94.63BK	---	* 1642	1233+05.14	150.00 LT			
1524	1047+47.50	100.00 LT		1100+46.02AHD	---	* 1647	1244+47.70	150.00 LT			
1361	Radius Pt.	---	* 1453	1102+99.76	123.11 RT	* 1644	1247+39.43	150.00 LT			
1435	1049+80.02	100.00 LT	1321	Radius Pt.	---	* 1648	1247+16.52	200.00 LT			
EQUA	1061+53.55BK	---	* 1450	1108+06.31	123.54 RT	EQUA	1253+05.30BK	---			
	1061+37.50AHD	---	* 2005	1110+11.97	165.39 RT		1253+03.89AHD	---			
1361	Radius Pt.	---	* 1458	1110+19.74	123.54 RT	***1610	1254+28.05	180.00 LT			
1439	1062+46.20	100.00 LT	1321	Radius Pt.	---	***1664	1256+81.36	180.00 LT			
1440	1081+10.77	100.00 LT	* 1456	1119+61.33	123.06 RT	***1665	1273+12.66	100.00 LT			
1365	Radius Pt.	---	* 1508	1121+10.13	122.56 RT						
1445	1082+14.00	100.00 LT	* 1509	1121+10.13	465.00 RT						
1365	Radius Pt.	---	* 1510	1125+45.13	408.00 RT						
1446	1087+62.09	100.00 LT	* 1511	1130+72.15	444.00 RT						
1365	Radius Pt.	---	* 1512	1130+72.14	122.56 RT						
1526	1090+23.64	100.00 LT	1513	1131+92.70	100.00 RT						
1368	Radius Pt.	---	1376	Radius Pt.	---						
1451	1094+12.51	100.00 LT	1527	1132+66.05	100.00 RT						
1454	1101+48.90	100.00 LT	EQUA	1136+10.98BK	---						
1372	Radius Pt.	---		1136+40.07AHD	---						
1459	1108+86.65	100.00 LT	1514	1136+10.98	100.00 RT						
1372	Radius Pt.	---	1380	Radius Pt.	---						
1455	1118+03.10	100.00 LT	1501	1136+48.44	100.00 RT						
1522	1125+23.19	100.00 LT	1380	Radius Pt.	---						
1376	Radius Pt.	---	1515	1141+57.86	100.00 RT						
			* 1516	1144+52.61	101.06 RT						
			1328	Radius Pt.	---						

ALL STATIONS AND OFFSETS ARE FROM THE 1938 EXISTING R/W CENTERLINE UNLESS OTHERWISE NOTED.
* STATIONS AND OFFSETS ARE FROM THE MED EXISTING R/W CENTERLINE
** STATIONS AND OFFSETS ARE FROM THE EB EXISTING R/W CENTERLINE
*** STATIONS AND OFFSETS ARE FROM THE WB EXISTING R/W CENTERLINE

Click here for US 60 Index

CONTINUED FROM SHEET RS-15

CALCULATED POINTS

PT.	NORTHING	EASTING
★1662	1047483.91079	477521.47093
★1663	1047374.77109	477630.19550
★1664	1048536.67047	476896.16954
1666	1048223.06431	476926.28157
1667	1047797.51695	477491.35889
1668	1047372.97947	477914.28156
1669	1047373.87527	477772.24056
1672	1048704.19970	476078.68877
1673	1050036.36158	474813.33914
1674	1049099.97894	475920.45086
★1682	1064476.81667	467633.59974
★1683	1063907.48802	468235.59496
★1684	1063974.08148	468237.94809
★1685	1063265.81050	468986.85779
★7426	1063351.24982	469114.81886

★ *Unless otherwise noted, set standard ADOT R/W monument at calculated position in July 2011. See sheets RS-3 to RS-14 for detailed monument information.*

EXISTING R/W MONUMENTATION

PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
110	1073622.44975	460844.26713	ANGLE IRON, WITNESS POST	949+97.86	35.87 RT
**126	1048539.16461	476893.54903	ADOT AC IN CONC.	1256+77.74	180.21 LT
131	1070351.83479	463567.58023	ADOT AC IN CONC.	992+51.53	103.70 RT
133	1069529.53041	464209.48588	ADOT AC IN CONC.	1003+15.11	100.00 RT
* 263	1063920.20468	468219.59704	ANGLE IRON, WITNESS POST	1072+31.45	127.87 RT
264	1063551.99605	468683.83196	ANGLE IRON, WITNESS POST	1078+21.92	55.84 RT
* 362	1050250.97675	474249.87177	ADOT AC IN CONC.	1225+62.87	205.06 RT
* 364	1051989.38852	472826.36501	ADOT AC IN CONC.	1203+41.19	106.72 RT
* 424	1059596.18541	469830.52150	1" BAR, NO CAP	1121+11.60	121.08 RT
* 425	1058463.50602	470346.92157	ADOT AC IN CONC.	1133+62.36	114.47 RT
* 904	1071960.98492	462065.10160	ADOT AC IN CONC.	970+49.92	100.20 RT
* 905	1073362.51583	460943.52192	ADOT AC IN CONC.	952+68.61	100.00 RT
* 912	1073584.50485	460792.36807	ADOT AC IN CONC.	950+00.05	100.13 RT
* 919	1073878.90379	460668.45793	ADOT AC IN CONC.	946+86.94	37.00 RT
* 944	1048697.84543	476163.63371	ADOT AC IN CONC.	1250+19.37	150.00 RT
* 945	1048698.87344	476085.43981	ADOT AC IN CONC.	1249+59.00	199.71 RT
* 960	1050383.21086	474712.93721	ADOT AC IN CONC.	1228+23.35	199.99 LT
* 964	1050038.53484	474578.39785	ADOT AC IN CONC.	1229+43.21	150.06 RT
966	1047487.39908	477518.05852	ADOT AC IN CONC.	1268+44.51	99.96 RT
* 1466	1064049.57360	468091.77697	ANGLE IRON, WITNESS POST	1070+49.69	121.84 RT
* 1468	1060883.72896	469442.45498	ANGLE IRON, WITNESS POST	1107+97.71	121.51 RT
* 1518	1055899.23643	471536.67119	ADOT AC IN CONC.	1161+91.30	100.08 RT
* 1640	1050039.62036	474499.78310	ADOT AC IN CONC.	1228+82.49	200.00 RT
* 1642	1050033.91750	475048.50618	ADOT AC IN CONC.	1233+05.14	150.00 LT
* 1644	1049107.67794	476143.62545	ADOT AC IN CONC.	1247+39.43	150.00 LT
* 1648	1049160.65030	476158.42050	ADOT AC IN CONC.	1247+16.52	200.00 LT
**1664	1048536.67047	476896.16954	ADOT AC IN CONC.	1256+81.36	180.00 LT
**1665	1047372.08366	478056.32662	ADOT AC IN CONC.	1273+12.66	100.00 LT

ALL STATIONS AND OFFSETS ARE FROM THE EB EXISTING R/W CENTERLINE UNLESS OTHERWISE NOTED.
* STATIONS AND OFFSETS ARE FROM THE MED EXISTING R/W CENTERLINE
** STATIONS AND OFFSETS ARE FROM THE WB EXISTING R/W CENTERLINE

EXISTING R/W MONUMENTATION - 1938 ℄

PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
112	1071353.27527	462993.97169	1/2" REBAR W/CAP RLS 13941	979+38.54	59.27 LT
114	1071863.32849	462502.94503	1/2" REBAR W/CAP RLS 13941	972+30.61	49.59 LT
115	1072037.16651	462340.85039	1/2 REBAR, NO TAG	969+92.92	50.13 LT
116	1072234.99690	462154.01669	1" PIPE, NO TAG	967+20.81	49.01 LT
117	1072314.38568	462079.39713	1/2" REBAR W/CAP RLS 12451	966+11.86	48.83 LT
118	1072677.15562	461742.27367	1/2" HEX ROD, TAGGED RLS 28237	961+15.90	49.53 LT
130	1072838.36541	461604.33981	PK NAIL	959+02.81	53.96 LT
134	1069907.39696	464267.95739	1/2" REBAR W/CAP RLS 28730	998+58.69	49.14 LT
135	1069910.48424	464313.34180	1/2" REBAR W/CAP RLS 28730	998+80.27	89.07 LT
136	1070637.82968	463651.09274	1/2" REBAR W/CAP RLS 28730	989+09.92	49.76 LT
311	1063264.10213	469202.91180	ANGLE IRON, WITNESS POST	1082+13.23	100.73 LT
403	1051375.45784	473668.71313	1/2" REBAR W/CAP RLS 24514	1212+36.53	98.17 LT
405	1051604.66398	473466.50172	WOOD POST, WITNESS POST	1209+38.08	100.49 LT
406	1051808.65134	473271.26533	WOOD POST, WITNESS POST	1206+55.43	100.88 LT
407	1052209.15392	472938.01021	WOOD POST, WITNESS POST	1201+20.41	99.85 LT
408	1052596.04036	472660.29965	ADOT AC IN CONC.	1196+44.17	101.85 LT
413	1054370.97851	472286.70304	1/2" REBAR W/CAP, UNREADABLE	1177+35.48	96.40 LT
414	1054735.92832	472222.56749	1/2" PIPE, NO TAG	1173+72.88	94.53 LT
415	1055088.75701	472132.72362	1/2" REBAR, NO TAG	1170+16.58	95.72 LT
419	1056741.16637	471327.94595	1/2" REBAR W/CAP RLS 25074	1151+94.99	98.91 LT
420	1058043.71505	470719.20356	1" PIPE W/CAP SWC MARG	1137+21.20	159.45 LT
422	1059348.02685	470222.44864	1/2" REBAR W/CAP RLS 25074	1123+11.61	103.29 LT
423	1059341.67685	470226.30038	1/2" PIPE, NO TAG	1123+18.99	104.11 LT
427	1057431.88739	470941.12437	ADOT AC IN CONC.	1144+03.33	99.33 LT
429	1053848.61429	472317.57592	ANGLE IRON, WITNESS POST	1182+47.81	92.15 LT
908	1073939.42462	460757.45643	ADOT AC IN CONC.	945+06.10	57.63 LT
1492	1051374.80315	473751.65912	ADOT AC IN CONC.	1212+87.77	161.99 LT
1521	1058738.54875	470473.41748	ADOT AC IN CONC.	1129+59.65	100.00 LT

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CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS
N/A	8-19-10	JDC	FIXED STATIONING FOR POINT 1586
N/A	9/1/11	RC	REV'D SHEET FOR EXIST R/W MONUMENTATION.

DRAWING NO.	D-7-T-974
SURVEY	DEC 2006
DRAWN/DATE	J. Crume/Feb07
ADOT REVIEW	Paul Pokatello

HUBBARD ENGINEERING Ritoch-Powell & Associates
480-892-3313 602-263-1177

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

HIGHWAY NAME: WICKENBURG - PHOENIX
FEDERAL AID NO.: Unassigned
PROJECT NO.: 060 MA 113 H6787 01R
ROUTE NO.: U.S. 60
LOCATION: Turtleback Wash - Hassayampa River

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2011.11.21 09:08:07 -07'00'
(Expires 6-30-14)
ELECTRONIC SEAL
http://www.btr.state.az.us/

SHEET RS-16

RESULTS OF SURVEY

SECTION & TRACT CORNERS

PT.	NORTHING	EASTING
3	1073860.99047	461687.60547
5	1072073.50066	461679.13036
6	1071233.39930	461675.14584
7	1071231.80309	464310.25700
12	1068554.55539	466958.44788
13	1068610.72477	461667.99390
15	1065979.54813	464309.41789
16	1065912.50232	466968.63121
17	1065891.39655	469643.51060
19	1063249.71452	472110.16363
20	1063293.00621	466888.45468
23	1060632.34969	472065.71679
24	1058037.11677	472033.40155
25	1058064.44136	466770.47518
26	1055444.63821	469359.32927
27	1055441.66682	472001.85240
28	1055420.14899	474642.80333
29	1055406.66822	475958.40315
30	1052720.02329	470670.31248
32	1050052.27084	473282.56664
33	1055408.75150	475958.41815
34	1055431.02942	473307.47991
35	1055443.15271	470680.42029
36	1052662.99180	475940.09375
41	1050024.83424	475922.48743
42	1050008.09304	478562.55325
44	1047385.57754	475916.67567
45	1047352.35217	481185.04075
47	1044732.34599	478528.25574
310	1063258.66635	469538.09536
401	1051343.25321	475932.44093
957	1050016.89635	477242.46716
1200	1052783.07570	471997.46787
1201	1051441.06082	473319.02127
1202	1051459.61484	470675.63578
1469	1068582.67604	464309.83377
1477	1058050.80972	469396.03432
1505	1052772.24096	473295.16497
1506	1051441.27154	473289.00020
1507	1052691.35356	473319.43198
1586	1051381.50056	473288.72335
1617	1047368.99930	478545.39656
1649	1048696.87603	477236.77823
1650	1048705.20589	475919.58155
2001	1052772.03813	473319.45849
2005	1060657.37498	469432.74491

PUBLIC INFORMATION USED IN PREPARATION OF SURVEY

MARICOPA COUNTY

SEC.	TWP.	RNG.	BOOK	PAGE	DESCRIPTION
3	6N	4W	365	14	BOUNDARY SURVEY
17	7N	4W	853	2	BOUNDARY SURVEY
17	7N	4W	600	26	RESULTS OF SURVEY
17	7N	4W	619	16	RECORD OF SURVEY
18	7N	4W	571	26	RECORD OF SURVEY
20	7N	4W	609	35	ALTA/ACSM LAND TITLE SURVEY
20	7N	4W	739	13	RECORD OF SURVEY
20	7N	4W	626	46	RESULTS OF SURVEY
28	7N	4W	829	32	RESULTS OF SURVEY
33	7N	4W	739	12	RECORD OF SURVEY
33	7N	4W	504	40	RECORD OF SURVEY
---	6N	4W	773	46	GDAC RECORD OF SURVEY
---	7N	4W	773	41	GDAC RECORD OF SURVEY
11	6N	4W	83	19	TERRY HILLS ESTATES

ADOT RIGHT OF WAY PLANS AND AS-BUILTS

PROJECT NO.	DWG NO.	ADOT TRACS NO.	DESCRIPTION	DATE
F.A. 59 3RD REO	---	---	As Built plans	1938
F.A. 59 3RD REOSCH2	---	---	As Built plans	1938
F.A. 59-4	---	---	As Built plans	1939
F.A.P. 59	---	---	County R/W	1941
NON F-022-2-508	D-7-T-662	---	Wickenburg-Phoenix Hwy	1962
F 022-2(7)	---	---	As Built plans	1964
F 022-2(8)	---	---	As Built plans	1966
ER 022-2(22)	D-7-T-769	---	Wickenburg-Phoenix Hwy	1979
ER 022-2(22)	---	---	As Built plans	1981

GLO & BLM PLATS

PLAT NO.	DESCRIPTION	DATE
2751	T. 6N., R.4W Independent Resurvey.	1919
2752	T. 6N., R.4W. Original Township Survey	1880
2777	T. 7N., R.4W. Original Township Survey	1958
2779	T. 7N., R.4W. Supplemental Plat of Section 28	1939
---	BOOK 1662 Original Survey Notes	---
---	BOOK R3110 Original Survey Notes	---

COORDINATE POINT CROSS REFERENCE

	HUBBARD SURVEY 2007 GAF = 1.000131382		AMEC SURVEY 2007 074 MA 000 H7303 01R GAF = 1.00016		
PT.	NORTHING	EASTING	PT.	NORTHING	EASTING
42	1050008.09304	478562.55325		1050038.13827	478576.24697
44	1047385.57754	475916.67567		1047415.54772	475930.29368
45	1047352.35217	481185.04075		1047382.32141	481198.80951
47	1044732.34599	478528.25574		1044762.24026	478541.94848
126	1048539.16461	476893.54903		1048569.06021	476907.40798
966	1047487.39908	477518.05852		1047517.37218	477531.72235
1617	1047368.99930	478545.39656		1047398.96901	478559.08979
1663	1047374.77109	477630.19550		1047404.74096	477643.86254
1665	1047372.08366	478056.32662		1047402.05346	478070.00586
1668	1047372.97947	477914.28156		1047402.94930	477927.95673
1669	1047373.87527	477772.24056		1047403.84512	477785.91167

MISCELLANEOUS MONUMENTATION

PT.	NORTHING	EASTING	DESCRIPTION
22	1060654.63962	469436.65142	2" Alum. Cap
104	1072801.57799	461365.45950	1/2" REBAR W/CAP RLS 25074
105	1072889.98202	461298.07739	1/2" REBAR W/CAP RLS 25074
106	1073150.73451	461093.37462	3/4 REBAR, NO TAG
125	1048704.16775	476079.16783	ALUM CAP LS 24514
138	1072761.83881	461677.40653	1/2" REBAR W/CAP RLS 13941
257	1064556.72219	467557.73220	2" PIPE, NO TAG
258	1064433.94057	467680.40058	1" BAR, NO TAG
300	1058050.89680	469397.90789	2" Alum. Cap
372	1060654.81485	469731.82909	1/2" REBAR W/CAP RLS 25074
404	1051172.69596	473926.27871	1/2" REBAR W/ CAP WC 25' RLS 24514
418	1054710.95413	472001.82128	1/2" REBAR, NO TAG
943	1048904.58031	475920.10970	1/2 REBAR, NO TAG
952	1049030.54912	476312.77711	1/2" REBAR LS28730
962	1050168.90054	474888.30372	PK NAIL
968	1049425.07234	476232.17450	3/4" PIPE LS 28730
969	1049527.97760	476260.62439	1/2" PIPE LS 28730
971	1049733.27155	476318.03384	1/2" PIPE LS 28730
1643	1050021.81295	476398.94115	1/2" PIPE, NO TAG

ADOT R/W MISCELLANEOUS MONUMENTATION

PT.	NORTHING	EASTING	DESCRIPTION
104	1072801.57799	461365.45950	1/2" REBAR W/CAP RLS 25074
105	1072889.98202	461298.07739	1/2" REBAR W/CAP RLS 25074
106	1073150.73451	461093.37462	3/4 REBAR, NO TAG
258	1064433.94057	467680.40058	1" BAR, NO TAG
372	1060654.81485	469731.82909	1/2" REBAR W/CAP RLS 25074
404	1051172.69596	473926.27871	1/2" REBAR W/ CAP WC 25' RLS 24514
418	1054710.95413	472001.82128	1/2" REBAR, NO TAG
943	1048904.58031	475920.10970	1/2" REBAR, NO TAG
952	1049030.54912	476312.77711	1/2" REBAR RLS 28730
1209	1069907.23957	464310.04538	5/8" REBAR RLS 12216
1434	1065918.14173	466744.95745	5/8" REBAR MEAD 28730
1478	1055441.93611	471762.36468	5/8" REBAR W/ 3" AHD CAP
7425	1071232.39717	463107.37398	5/8" REBAR RLS 43634

HUBBARD SURVEY CONTROL POINTS

The points shown below were used to establish local secondary project control, based on the control stations shown in the general notes.

PT.	NORTHING	EASTING	DESCRIPTION
100	1069164.43067	464449.09293	SET 3/4" BAR W/YELLOW CAP PLS 19817 0.1' UP
280	1061103.40309	469667.31280	FD. 1/2" REBAR ADDED TAG PLS 19817 0.2' UP

Click here for US 60 Index

060rw113_rs17.dgn

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS
N/A	9-1-11	JDC	CREATED NEW TABLE FOR ADOT R/W MISCELLANIOUS MONUMENTATION. MOVED POINTS FROM MISCELLANIOUS MONUMENTATION TABLE

DRAWING NO.	D-7-T-974
SURVEY	DEC 2006
DRAWN/DATE	J. Crume/Feb07
ADOT REVIEW	Paul Pokatello

HUBBARD ENGINEERING 480-892-3313 Ritoch-Powell & Associates 602-263-1177

ROUTE NO.: U.S. 60

LOCATION: Turtleback Wash - Hassayampa River

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

HIGHWAY NAME: WICKENBURG - PHOENIX

FEDERAL AID NO.: Unassigned

PROJECT NO.: 060 MA 113 H6787 01R

SHEET RS-17

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2011.11.21 09:08:22 -07'00'
(Expires 6-30-14)
ELECTRONIC SEAL
http://www.btr.state.az.us/