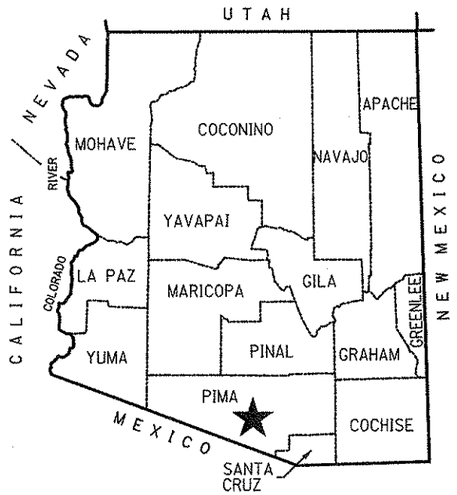
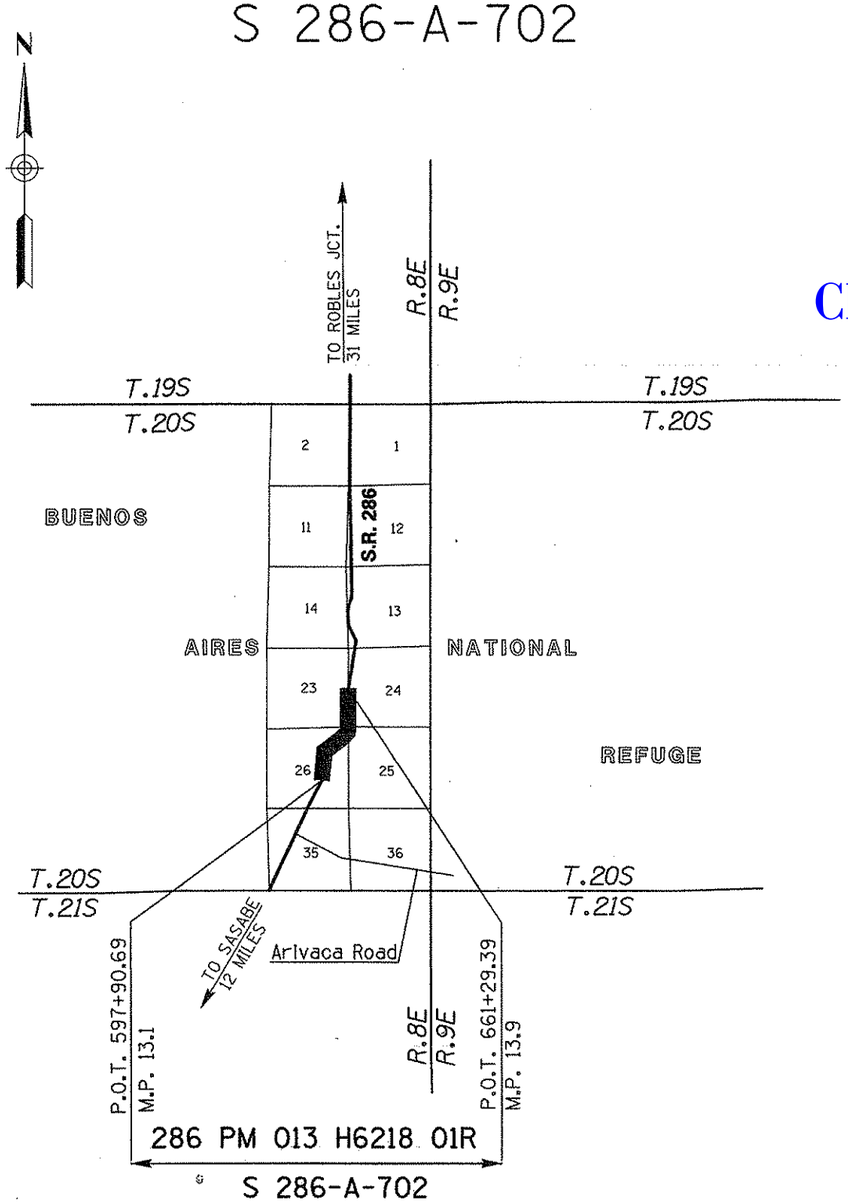
RIGHT OF WAY PLANS OF THE
SASABE-ROBLES RANCH HIGHWAY
CORDOVA WASH
286 PM 013 H6218 01R
S 286-A-702



★ PROJECT LOCATION

COUNTY NAME: PIMA
LENGTH OF PROJECT: 0.8 MILES
ADOT DISTRICT: TUCSON (T)
DRAWING NUMBER: D-10-T-392



ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION

ADOT

Click here for SR 286 Index

SHEET INDEX

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APPROVED IN ACCORDANCE WITH
ARIZONA DEPARTMENT OF TRANSPORTATION BOARD
RESOLUTION DATED

...\286RM01G.CONTR01

Castro Engineering corp

17139 FRANK G. CASTRO

RIGHT OF WAY - STANDARD ABBREVIATIONS & SYMBOLS

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

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

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

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

Data Hex

Data Square

Dimension Arrow

Dimension Tie

Exist. R/W Monument

New R/W Monument

PC - PT Circle

Property Anchor Bar

Property-Lease & Unpatented Mining Claim Anchor Bar

Property Limit Arrow

Property-Lease & Unpatented Mining Claim Limit Arrow

Parcel Bubble (7-8858)

NGS Control Pt or Angle Point

North Arrow

Found or Set Section Corner (31 | 32 / 6 | 5)

Found or Set Quarter Corner (4 o 3)

Found or Set Center Quarter Corner (3)

Unfound Section Corner (31 | 32 / 6 | 5)

Unfound Quarter Corner (4 / 9)

Unfound Center Quarter Corner (3)

MP 115

Mile Post Marker

Click here for SR 286 Index

...\286RW013.STANDARDS

DRAWING NO.	D-10-T-392	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION
SURVEY	April 2004	HIGHWAY NAME: SASABE-ROBLES RANCH
DRAWN/DATE	K.S./Aug. 2005	FEDERAL IDENTIFICATION NO.: S 286-A-702
ADOT REVIEW	G. McEwen	TRACS NO. 286 PM 013 H6218 01R
Castro Engineering corp		
ROUTE NO.: SR 286	SECTION NAME: Cordova Wash	SHEET S-1

17139 FRANK G. CASTRO 01-17-05 ARIZONA U.S.A.

OWNERSHIP RECORD

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.	ACQUISITION RECORD: INSTRUMENT TYPE	ACQUISITION RECORD: INSTRUMENT DATE	ACQUISITION RECORD: RECORDED DATE	ACQUISITION RECORD: RECORDED DOCUMENT
10-1448	STATE OF ARIZONA	E2 Sec. 23 T.20S. R.8E.	13,992,614						P-1 to P-2				
10-1449	U.S.A. Dept. of Interior Fish & Wildlife Dept.	W2 Sec. 24 T.20S. R.8E.	14,011,426						P-1 to P-2				
		NW4 Sec. 25 T.20S. R.8E.	7,034,598						P-1 to P-2				
		NE4 Sec. 26 T.20S. R.8E.	7,039,629						P-1 to P-2				

ALL AREAS ARE IN SQUARE FEET UNLESS OTHERWISE NOTED

Click here for SR 286 Index

TUCSON DISTRICT ENGINEER CANCELLED CONSTR. PROJECT 286 PM 013 H6218 01C AND THESE PLANS ARE FOR DOCUMENTATION PURPOSES ONLY.

...\286RW013.OWNERSHIP01

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

DRAWING NO.	D-10-T-392
SURVEY	April 2004
DRAWN/DATE	K.S./Aug. 2005
ADOT REVIEW	G. McEwen

Castro Engineering corp

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

HIGHWAY NAME: SASABE-ROBLES RANCH

FEDERAL IDENTIFICATION NO.: S 286-A-702

TRACS NO. 286 PM 013 H6218 01R

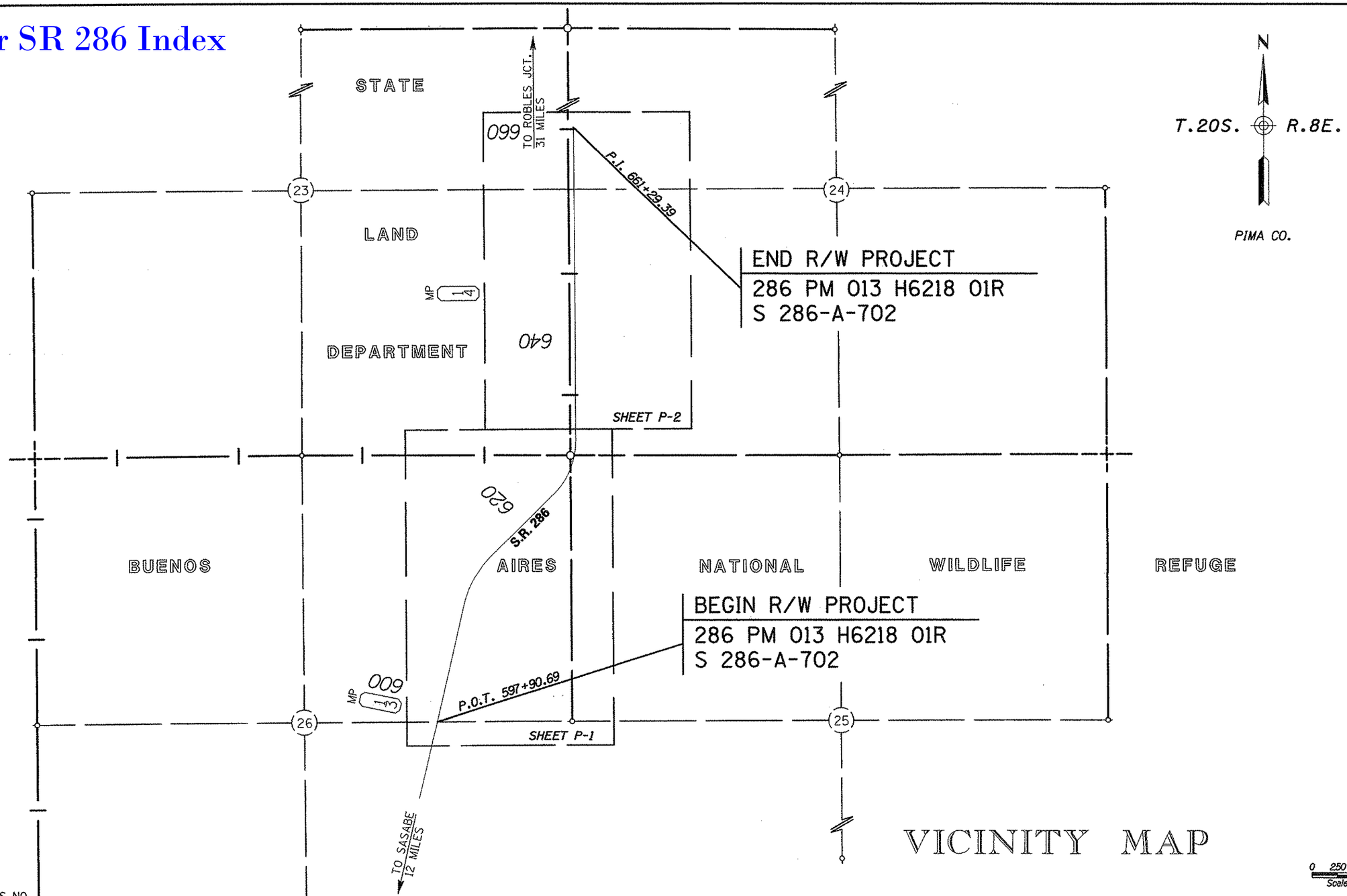
ROUTE NO.: SR 286

SECTION NAME: Cordova Wash

CERTIFICATE NO. 17139 FRANK G. CASTRO ARIZONA U.S.A.

SHEET ORS-1

Click here for SR 286 Index



VICINITY MAP

NOTE:
AS OF THE DATE SEALED THERE IS NO DOCUMENTATION OF EXISTING RIGHT OF WAY WITHIN THE PROJECT LIMITS PER THE EXISTING RIGHT OF REPORT PREPARED BY THE DEPARTMENT.
SEE RESULTS OF SURVEY S 286-A-701 FOR ADDITIONAL INFORMATION.

...\286RW013.VICINITY01

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

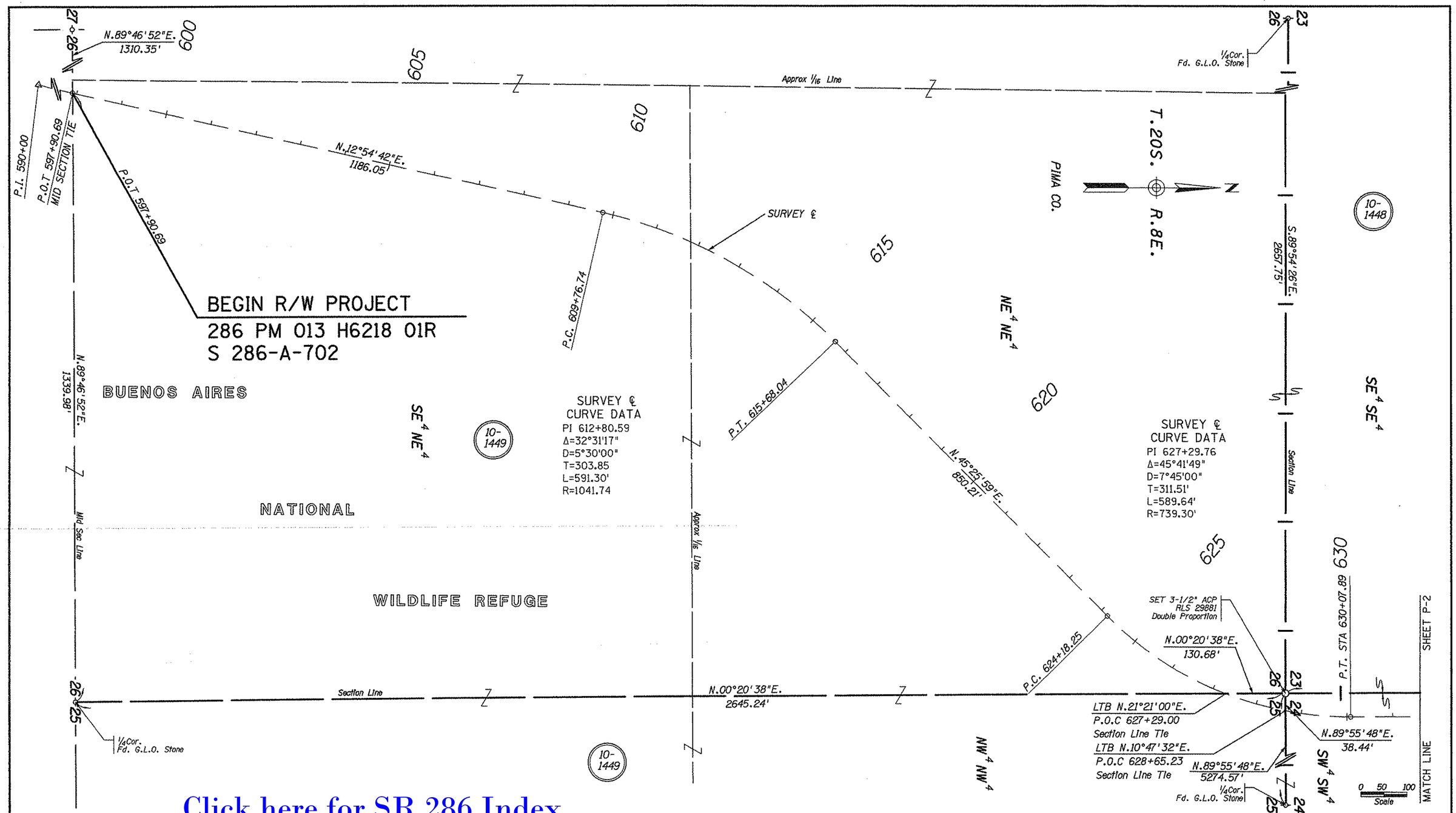
DRAWING NO.	D-10-T-392
SURVEY	April 2004
DRAWN/DATE	K.S./Aug. 2005
ADOT REVIEW	G. McEwen
Castro Engineering corp	
ROUTE NO.: SR 286	SECTION NAME: Cordova Wash

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

HIGHWAY NAME: SASABE-ROBLES RANCH
FEDERAL IDENTIFICATION NO.: S 286-A-702
TRACS NO. 286 PM 013 H6218 01R

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 17139 FRANK G. CASTRO 5-1-07 ARIZONA U.S.A.

SHEET VM-1



Click here for SR 286 Index

NOTE:
AS OF THE DATE SEALED THERE IS NO DOCUMENTATION OF EXISTING RIGHT OF WAY WITHIN THE PROJECT LIMITS PER THE EXISTING RIGHT OF REPORT PREPARED BY THE DEPARTMENT. SEE RESULTS OF SURVEY S 286-A-701 FOR ADDITIONAL INFORMATION.

TUCSON DISTRICT ENGINEER CANCELLED CONSTR. PROJECT 286 PM 013 H6218 01C AND THESE PLANS ARE FOR DOCUMENTATION PURPOSES ONLY.

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

DRAWING NO.	D-10-T-392
SURVEY	April 2004
DRAWN/DATE	K.S./Aug. 2005
ADOT REVIEW	G. McEwen

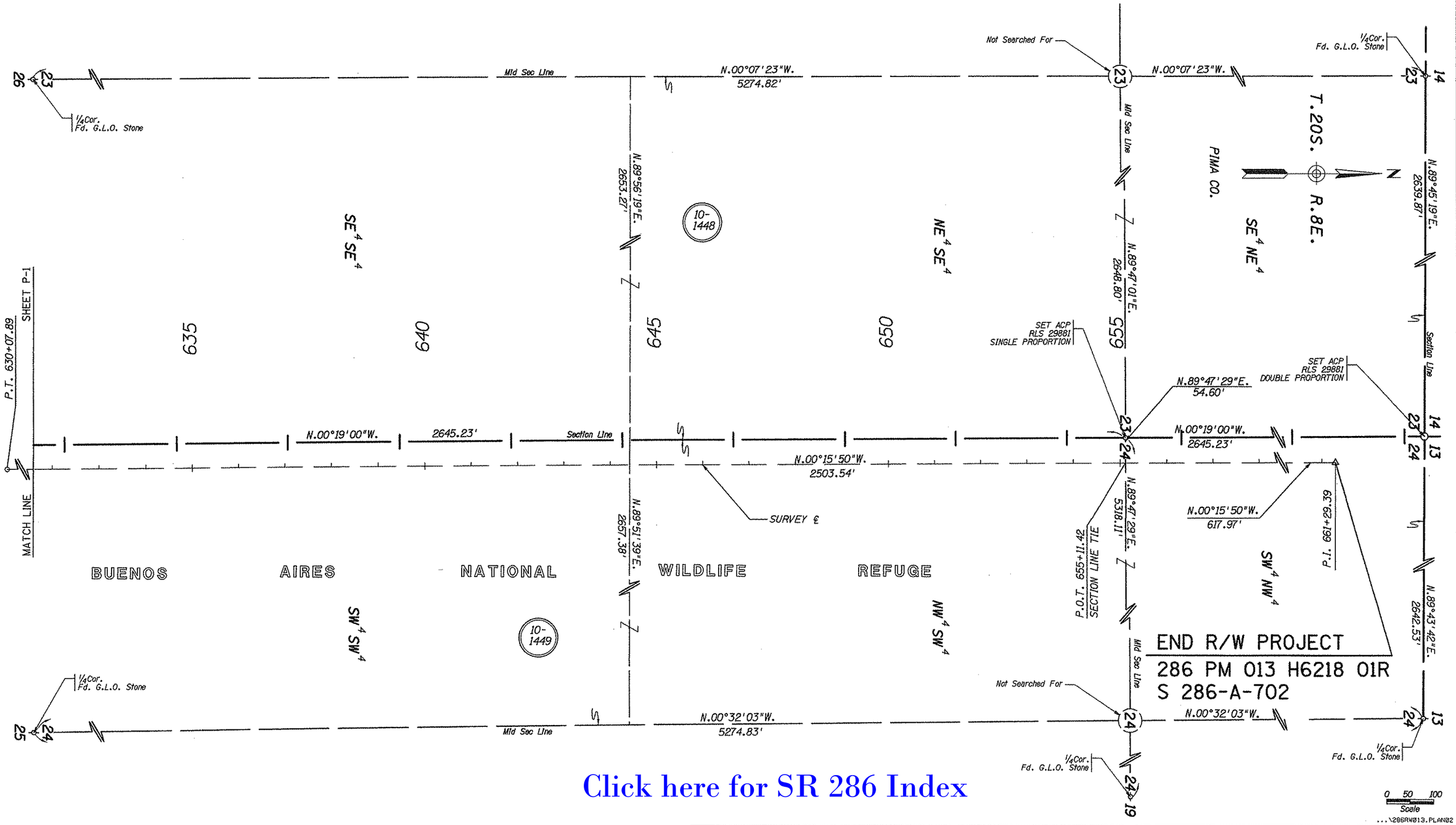
Castro Engineering corp

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

HIGHWAY NAME: SASABE-ROBLES RANCH
FEDERAL IDENTIFICATION NO.: S 286-A-702
TRACS NO. 286 PM 013 H6218 01R
ROUTE NO.: SR 286
SECTION NAME: Cordova Wash

REGISTERED LAND SURVEYOR CERTIFICATE NO. 17139 FRANK G. CASTRO ARIZONA U.S.A.

SHEET P-1



Click here for SR 286 Index

NOTE:
AS OF THE DATE SEALED THERE IS NO DOCUMENTATION OF EXISTING RIGHT OF WAY WITHIN THE PROJECT LIMITS PER THE EXISTING RIGHT OF REPORT PREPARED BY THE DEPARTMENT. SEE RESULTS OF SURVEY S 286-A-701 FOR ADDITIONAL INFORMATION.

TUCSON DISTRICT ENGINEER CANCELLED CONSTR. PROJECT 286 PM 013 H6218 01C AND THESE PLANS ARE FOR DOCUMENTATION PURPOSES ONLY.

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

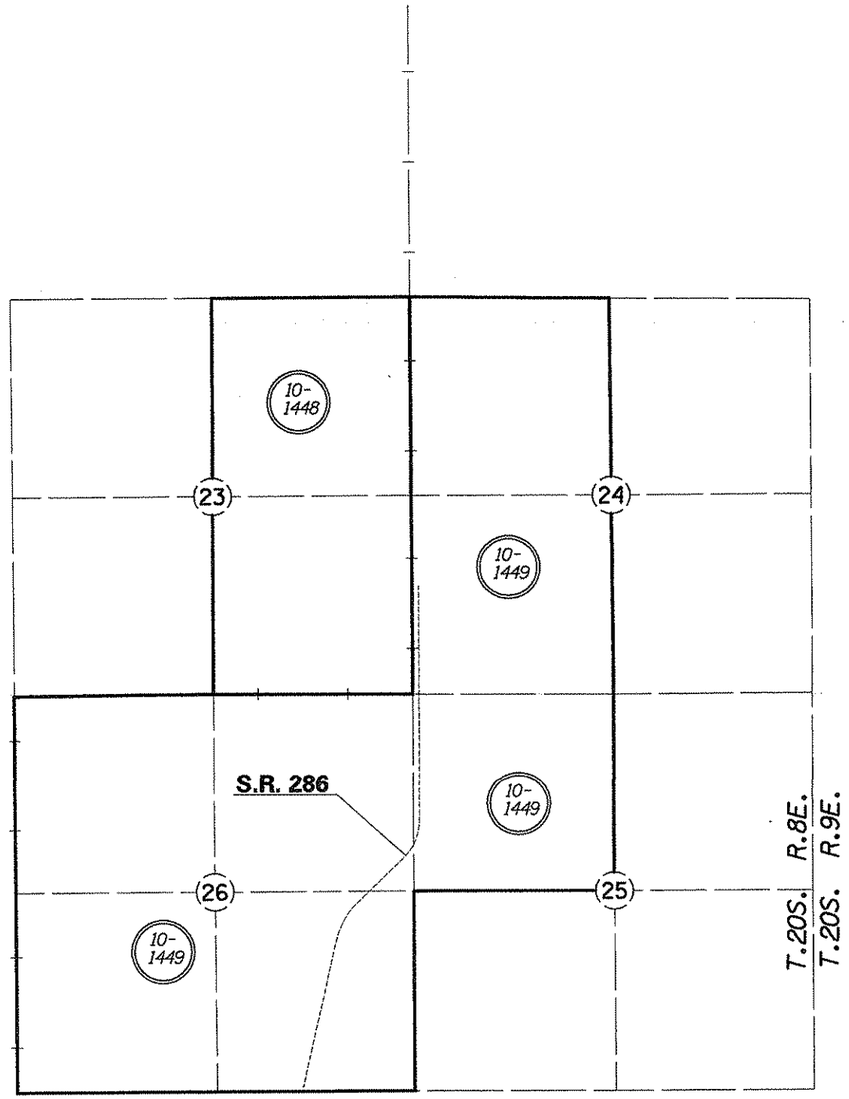
DRAWING NO.	D-10-T-392
SURVEY	April 2004
DRAWN/DATE	K.S./Aug. 2005
ADOT REVIEW	G. McEwen

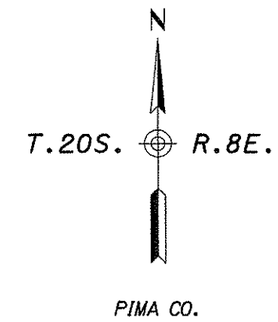
Castro Engineering corp.

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

HIGHWAY NAME: SASABE-ROBLES RANCH
FEDERAL IDENTIFICATION NO.: S 286-A-702
TRACS NO. 286 PM 013 H6218 01R
ROUTE NO.: SR 286
SECTION NAME: Cordova Wash
SHEET P-2

REGISTERED LAND SURVEYOR
CERTIFICATE NO. 17139
FRANK G. CASTRO
Date Surveyed 8-1-05
ARIZONA U.S.A.





PARCEL INSERT

0 10 20
Scale

...\286RW013.PARCEL01

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

DRAWING NO.	D-10-T-392
SURVEY	April 2004
DRAWN/DATE	K.S./Aug. 2005
ADOT REVIEW	G. McEwen
Castro Engineering corp	
ROUTE NO.: SR 286	SECTION NAME: Cordova Wash

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

HIGHWAY NAME: SASABE-ROBLES RANCH

FEDERAL IDENTIFICATION NO.: S 286-A-702

TRACS NO. 286 PM 013 H6218 01R

17139 FRANK G. CASTRO 8-17-05 ARIZONA U.S.A.

SHEET PAR-1

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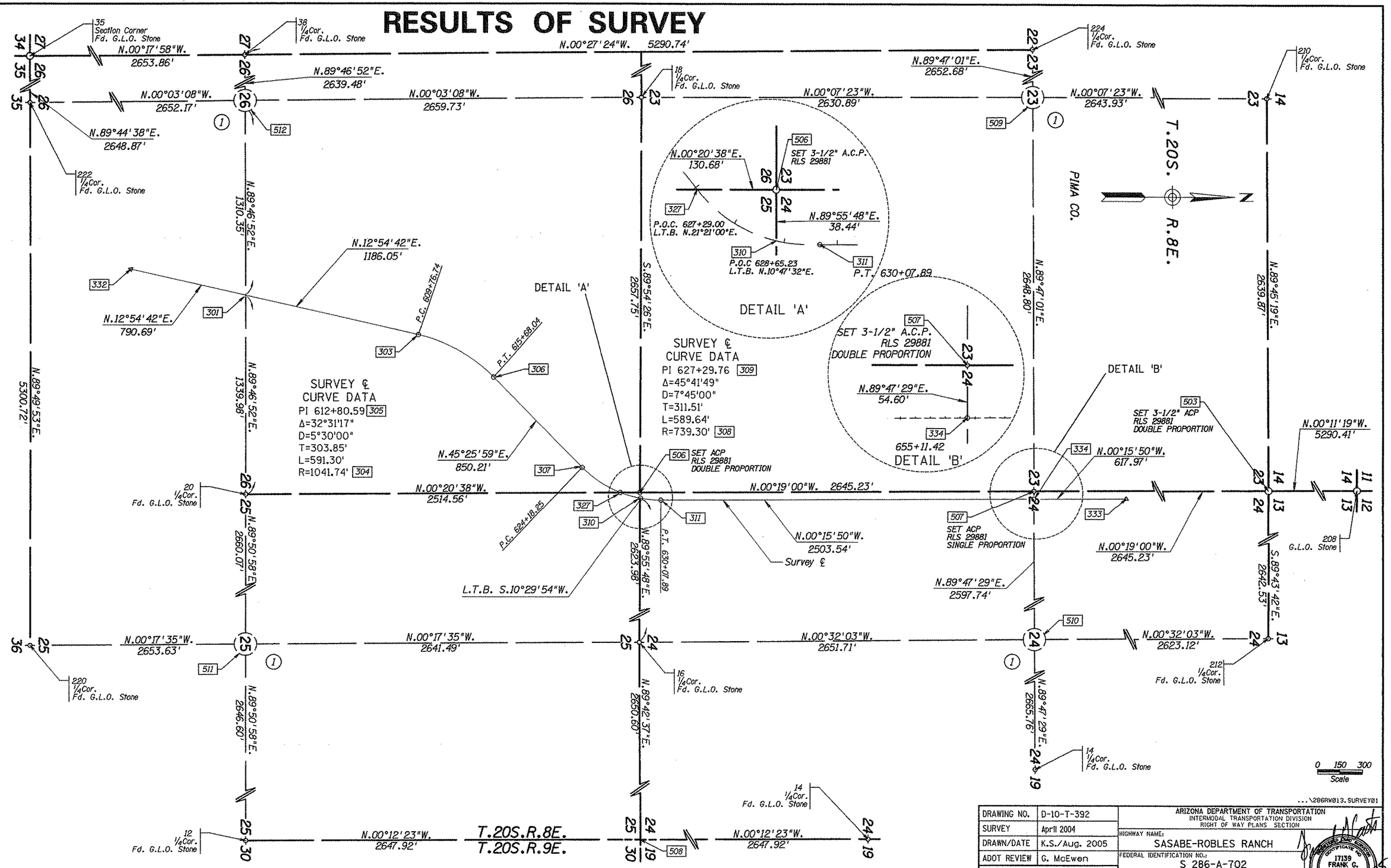
RESULTS OF SURVEY



(1) NO SEARCH FOR CENTER OF SECTIONS WAS PERFORMED AS A PART OF THIS SURVEY.

Click here for SR 286 Index

DRAWING NO.	D-10-T-392	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION
SURVEY	April 2004	HIGHWAY NAME: SASABE-ROBLES RANCH
DRAWN/DATE	K.S./Aug. 2005	FEDERAL IDENTIFICATION NO.: S 286-A-702
ADOT REVIEW	G. McEwen	TRACS NO. 286 PM 013 H6218 01R
Castro Engineering corp		
ROUTE NO.: SR 286	SECTION NAME: Cordova Wash	SHEET RS-1

...\286RW013.SURVEY01

REGISTERED LAND SURVEYOR CERTIFICATE NO. 17139 FRANK G. CASTRO ARIZONA U.S.A. 8-17-05

RESULTS OF SURVEY

CASTRO CONTROL POINTS			
PT.	NORTHING	EASTING	DESCRIPTION
1	252600.20836	833863.99085	USC&GS BC "C302"
2	233253.91163	829099.35794	USC&GS BC "E302"
3	219085.78802	822442.75672	USC&GS BC "V113"

SECTION MONUMENTATION			
PT.	NORTHING	EASTING	DESCRIPTION
12	240089.3858	838902.6231	GLO STONE, PROPERLY MARKED
14	245385.1897	838883.5511	GLO STONE, PROPERLY MARKED
16	242723.8848	836242.5212	GLO STONE, PROPERLY MARKED
18	242724.9375	830922.3460	GLO STONE, PROPERLY MARKED
20	240075.4390	833595.9753	GLO STONE, PROPERLY MARKED
35	237401.4092	828320.0713	GLO STONE, PROPERLY MARKED
38	240055.2305	828306.2034	GLO STONE, PROPERLY MARKED
208	253301.3968	833533.4437	GLO STONE, PROPERLY MARKED
210	247999.7453	830911.0092	GLO STONE, PROPERLY MARKED
212	247998.4875	836193.3549	GLO STONE, PROPERLY MARKED
220	237428.8329	836269.6118	GLO STONE, PROPERLY MARKED
222	237413.2432	830968.9114	GLO STONE, PROPERLY MARKED
224	245345.7987	828264.0298	GLO STONE, PROPERLY MARKED
503	248011.0160	833550.8592	SET 3-1/2" ACP RLS 29881
506	242720.6294	833580.0959	SET 3-1/2" ACP RLS 29881
507	245365.8227	833565.4776	SET 3-1/2" ACP RLS 29881

CALCULATED POINTS			
PT.	NORTHING	EASTING	DESCRIPTION
301	240070.3199	832256.0060	CALC
303	241226.3878	832521.0288	CALC
304	240993.6122	833536.4301	CALC
305	241522.5572	832588.9241	CALC
306	241735.7825	832805.3982	CALC
307	242332.4067	833411.1129	CALC
308	242859.1081	832892.3161	CALC
309	242551.0059	833633.0428	CALC
310	242720.6764	833618.5401	CALC
311	242862.5126	833631.6083	CALC
327	242589.9543	833580.8804	CALC
332	239299.6246	832079.3281	CALC
333	245983.9807	833617.2336	CALC
334	245366.0215	833620.0794	CALC
508	242737.2878	838893.0871	CALC
509	245355.8180	830916.6916	CALC
510	245375.4818	836217.8048	CALC
511	240082.4301	836256.0354	CALC
512	240065.3140	830945.6618	CALC

SURVEY CENTERLINE				
PT.	NORTHING	EASTING	STATION	DESCRIPTION
332	239299.6246	832079.3281	590+00.00	CALC PI BEGIN
301	240070.3199	832256.0060	597+90.69	CALC PI MID-SEC. LINE
303	241226.3878	832521.0288	609+76.74	CALC PC
304	240993.6122	833536.4301		CALC RP
305	241522.5572	832588.9241	612+80.59	CALC PI CURVE
306	241735.7825	832805.3982	615+68.04	CALC PT
307	242332.4067	833411.1129	624+18.25	CALC PC
308	242859.1081	832892.3161		CALC RP
309	242551.0059	833633.0428	627+29.76	CALC PI CURVE
327	242589.9543	833580.8804	627+29.00	CALC PI SEC. LINE
310	242720.6764	833618.5401	628+65.23	CALC PI SEC. LINE
311	242862.5126	833631.6083	630+07.89	CALC PT
334	245366.0215	833620.0794	655+11.42	CALC PI MID-SEC. LINE
333	245983.9807	833617.2336	661+29.39	CALC PI END

GENERAL NOTES

THREE ADOT CONTROL POINTS WERE USED TO ESTABLISH THE CONTROL BASELINE FOR THIS SURVEY. SAID CONTROL POINT INFORMATION IS FROM ADOT RIGHT OF WAY PLANS SECTION. DRAWING NO. D-10-T-391 AND IS DATED SEPTEMBER 2003. THE GEODETIC AND GRID COORDINATES FOR SAID STATIONS ARE AS FOLLOWS:

C302 NAD 83(1992) 31°41'36.88909"(N) 111°29'12.89088"(W)
GRID COORDINATE N 252538.08399 E 833658.91076
E302 NAD 83(1992) 31°38'25.65328"(N) 111°30'08.87429"(W)
GRID COORDINATE N 233196.54528 E 828895.64961
V113 NAD 83(1992) 31°36'05.71139"(N) 111°31'26.45155"(W)
GRID COORDINATE N 219031.90617 E 822240.48556

THESE VALUES ARE BASED ON 1983 (EPOCH 1992) ARIZONA STATE PLANE COORDINATES, ARIZONA CENTRAL ZONE, STANDARD TRANSVERSE MERCATOR PROJECTION. FOR GROUND COORDINATE VALUES, APPLY A SCALE FACTOR OF 1.000246

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

THE COORDINATES PRESENTED ON THIS SURVEY ARE SHOWN TO FOUR AND FIVE DECIMAL PLACES FOR CALCULATION PURPOSES, AND ARE NOT A REPRESENTATION OF THE PRECISION OF THE SURVEY MEASUREMENTS.

ALL MONUMENTATION WAS LOCATED USING A TOPCON RTK DIFFERENTIAL GPS SYSTEM. SAID MONUMENTS WERE OCCUPIED 2 TIMES WITH A MINIMUM OF 2 HOURS OF TIME SEPARATION BETWEEN EACH OCCUPATION.

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

NO R/W MONUMENTS WERE FOUND. NO RECORD ADOT R/W DOCUMENTATION EXISTS. THE HIGHWAY CENTERLINE IS A "BEST-FIT" OF THE EXISTING HIGHWAY PAVEMENT.

BASIS OF STATIONING IS ARBITRARY, NO RECORD OF ADOT STATIONING FOUND.

THE FIELD SURVEY WAS CONDUCTED IN THE MONTH OF MARCH, 2004.

MONUMENTATION VERIFICATION AND ACCEPTANCE:

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

THIS RESULTS OF SURVEY IS FILED IN THE RIGHT OF WAY PLANS SECTION OF THE ARIZONA DEPARTMENT OF TRANSPORTATION, 205 SOUTH 17TH AVE, MD612E, PHOENIX, AZ 85007, (602)712-7270. SEE ADOT R/W FILE COPY FOR MOST CURRENT ADDITIONS OR REVISIONS.

Click here for SR 286 Index

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

DRAWING NO.	D-10-T-392
SURVEY	April 2004
DRAWN/DATE	K.S./Aug. 2005
ADOT REVIEW	G. McEwen

Castro Engineering corp

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

HIGHWAY NAME: SASABE-ROBLES RANCH
FEDERAL IDENTIFICATION NO.: S 286-A-702
TRACS NO. 286 PM 013 H6218 01R
ROUTE NO.: SR 286
SECTION NAME: Cordova Wash

REGISTERED LAND SURVEYOR CERTIFICATE NO. 17139 FRANK G. CASTRO ARIZONA U.S.A.

SHEET RS-2

...\286RW013.SURVEY02