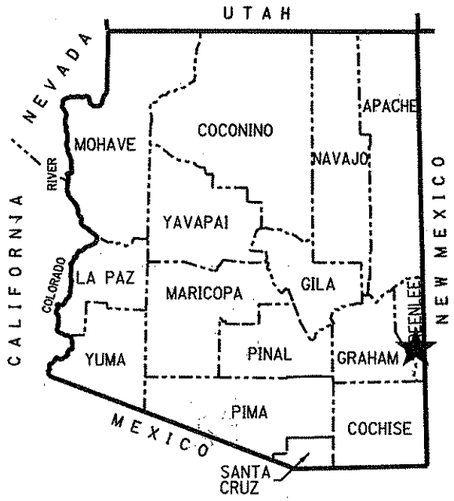
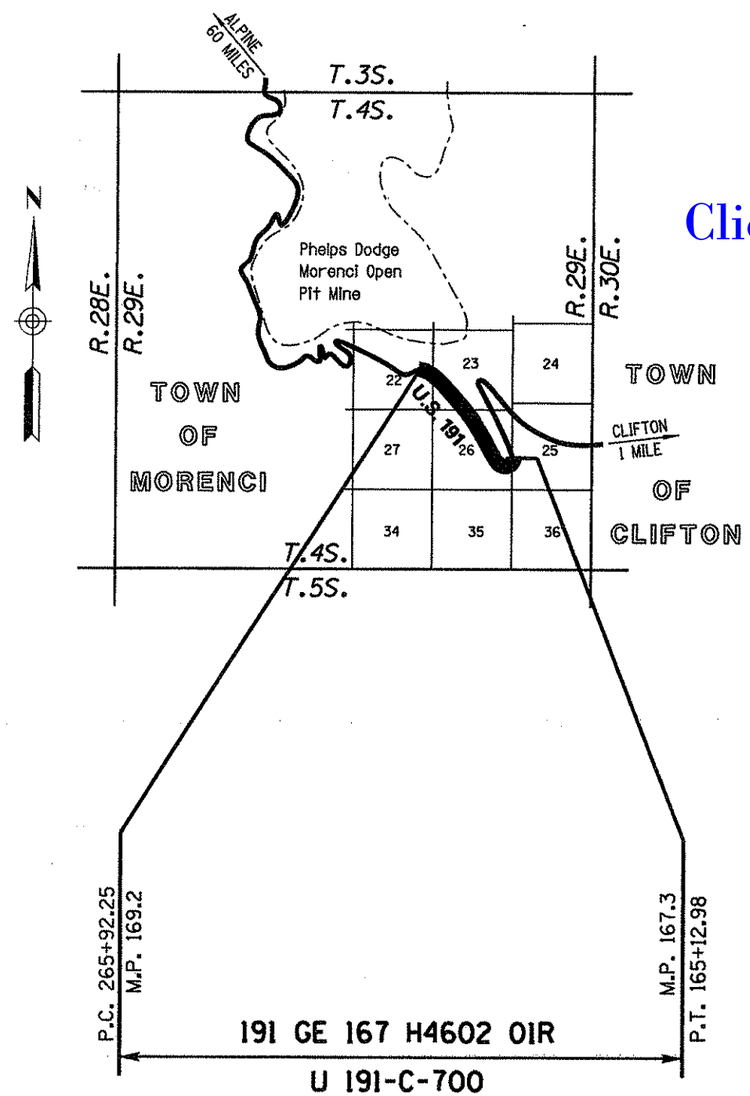
RIGHT OF WAY PLANS OF THE

SAFFORD - SPRINGERVILLE HIGHWAY
MORENCI TO MINE PLANT ENTRANCE
191 GE 167 H4602 01R
U 191-C-700



★ PROJECT LOCATION

COUNTY NAME: GREENLEE
LENGTH OF PROJECT: 1.9 MILES
ADOT DISTRICT: SAFFORD (S)
DRAWING NUMBER: D-6-T-140



ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION

ADOT

Click here for US 191X Index

SHEET INDEX

COVER SHEET	1
STANDARD ABBREVIATIONS & SYMBOLS	S-1
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PLAN SHEET	P-1 TO P-4
RESULTS OF SURVEY	RS-1 TO RS-4
RIGHT OF WAY MONUMENTATION SURVEY	MS-1 TO MS-2
TOTAL	14

APPROVED IN ACCORDANCE WITH
ARIZONA DEPARTMENT OF TRANSPORTATION BOARD
RESOLUTION 2004-06-A-023 DATED 6-18-04
RESOLUTION 2004-12-A-076 DATED 12-17-04

191rw167.cover

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2008.02.14 11:36:06 -07'00'
(Expires 6-30-08)
ELECTRONIC SEAL
"Digitally signed per ASBTA Substantive Statement dated 6-17-03"

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ
jcrume@heaz.us Job # 24020

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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

N
North Arrow

31 | 32 / 6 | 5 — Found or Set Section Corner
4 ○ 3 — Found or Set Quarter Corner
3 — Found or Set Center Quarter Corner
31 | 32 / 6 | 5 — Unfound Section Corner
4 / 9 — Unfound Quarter Corner
3 — Unfound Center Quarter Corner
MP 115 — Mile Post Marker

191rw167.standards

DRAWING NO.	D-6-T-140	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
SURVEY	See attached survey	HIGHWAY NAME: SAFFORD - SPRINGERVILLE	Professional Land Surveyor AZ No. 19817
DRAWN/DATE	J Crume/	FEDERAL IDENTIFICATION NO.: U 191-C-700	Digitally signed by Jim Crume Date: 2008.02.14 11:36:15 -07'00'
ADOT REVIEW	D Rodriguez	TRACS NO. 191 GE 167 H4602 01R	(Expires 6-30-08) ELECTRONIC SEAL "Digitally signed per ASBTR Substantive Statement dated 6-17-02"
HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ jcrume@hbaz.us Job # 24020			
ROUTE NO.: U.S. 191	SECTION NAME: Morenci to Mine Plant Entrance		SHEET S-1

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
6-0209	Phelps Dodge Corporation	Pt. SW4 Sec. 25 & E1/2 26 T.4S. R.29E.	33,336,818	1,132,370	207,199	49,597 TCE	26,324,588	5,879,860	P-1 to P-2	ESMT	12/06/04	2/18/05	2005-00169
6-0210	Phelps Dodge Morenci, Inc. et al	Pt. S1/2 Sec. 23 T.4S. R.29E.	32,250,161	322,619	40,584	28,549 TCE	2,683,845	29,243,697	P-2 to P-4	ESMT	12/07/04	2/18/05	2005-00170
6-0211	Frank Naccarati, et al	Pt. SE4 Sec. 26 T.4S. R.29E.				685 TCE			P-1				
6-0217	Stockman's Bank	Pt. SE4 Sec. 26 T.4S. R.29E.				348 TCE			P-1				
6-0209-A	Phelps Dodge Corporation	Pt. SW4 Sec. 25 & E1/2 26 T.4S. R.29E.	32,204,448			2,500 DE	26,324,588	5,879,860	P-1				

ALL AREAS ARE IN SQUARE FEET UNLESS OTHERWISE NOTED

191rw167.ownership1

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS
9664	9-13-06	JDC	ADDED PARCEL 6-0209-A

DRAWING NO.	D-6-T-140
SURVEY	See attached survey
DRAWN/DATE	J Crume/
ADOT REVIEW	D Rodriguez
HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ jcrume@heoz.us Job # 24020	
ROUTE NO.: U.S. 191	SECTION NAME: Morenci to Mine Plant Entrance

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

HIGHWAY NAME: SAFFORD - SPRINGERVILLE
FEDERAL IDENTIFICATION NO.: U 191-C-700
TRACS NO. 191 GE 167 H4602 01R

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2008.02.14 11:36:26 -07'00'
(Expires 6-30-08)
ELECTRONIC SEAL
"Digitally signed per ASDTR Submittal Statement dated 6-17-02"

SHEET ORS-1

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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.
1	PT. SEC 23 & 26		4S	29E	PHELPS DODGE	ESMT	11	511	VARIES	1947	
2	PT. SEC 23 & 26		4S	29E	RECONSTRUCTION FINANCE	ESMT	11	521	VARIES	1947	
3	PT. SEC 23, 25 & 26		4S	29E	PHELPS DODGE	ESMT	250	159	VARIES	2000	6-0170
4	PT. SEC 23, 25 & 26		4S	29E	PHELPS DODGE ET AL	ESMT	250	184	VARIES	2000	6-0183

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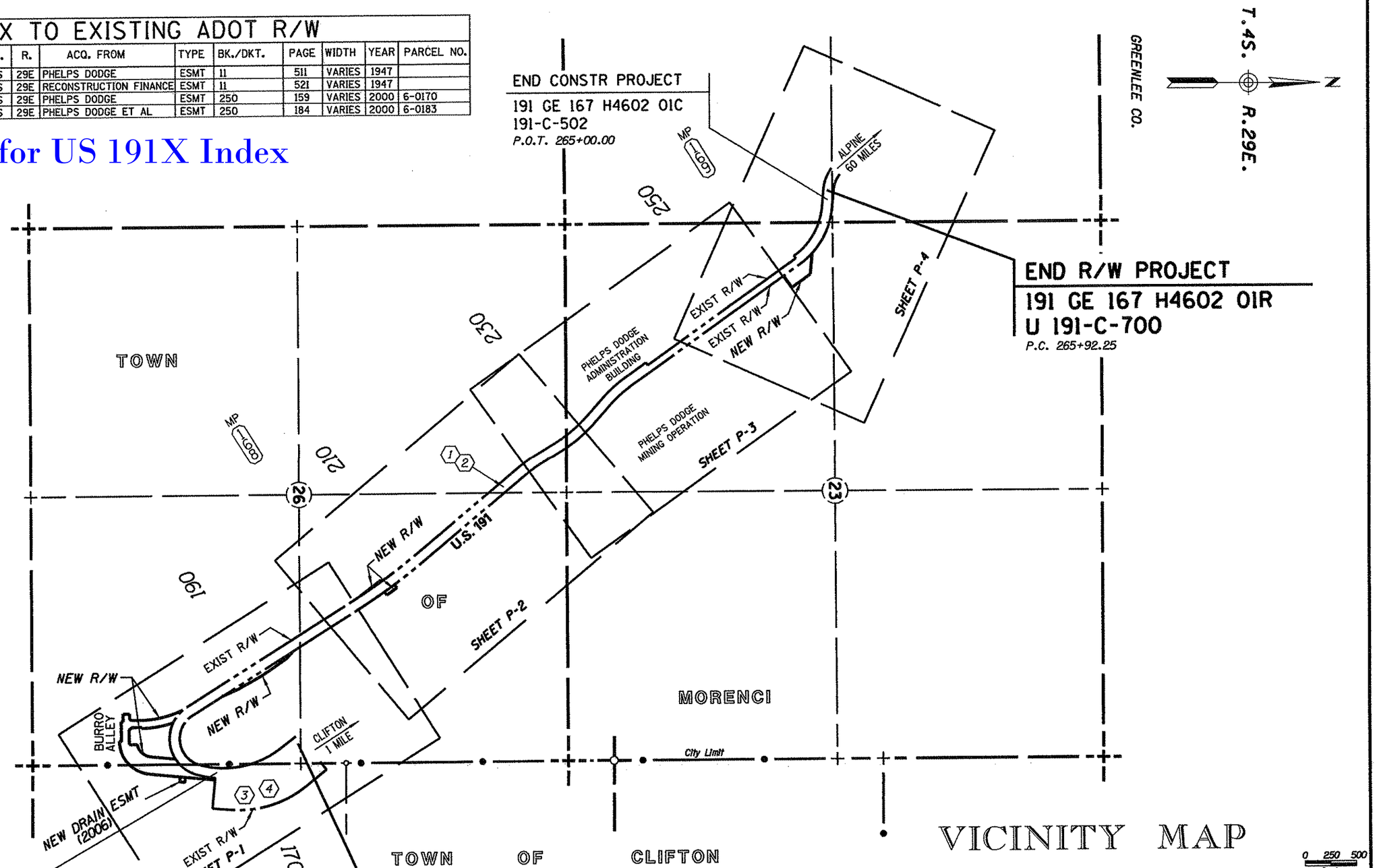

BEGIN CONSTR PROJECT
191 GE 167 H4602 01C
191-C-502
P.O.C. 174+21.00

BEGIN R/W PROJECT
191 GE 167 H4602 01R
U 191-C-700
P.T. 165+12.98

191rw167.vicinity1

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS
9664	9-13-06	JDC	ADDED DRAINAGE EASEMENT 2006

DRAWING NO.	D-6-T-140
SURVEY	See attached survey
DRAWN/DATE	J Crume/
ADOT REVIEW	D Rodriguez
HUBBARD ENGINEERING	480-892-3313 Gilbert, AZ jcrume@heaz.us Job # 24020
ROUTE NO.:	U.S. 191

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

HIGHWAY NAME: SAFFORD - SPRINGERVILLE
FEDERAL IDENTIFICATION NO.: U 191-C-700
TRACS NO. 191 GE 167 H4602 01R
SECTION NAME: Morenci to Mine Plant Entrance

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2008.02.14 11:36:35 -07'00'
(Expires 6-30-08)
ELECTRONIC SEAL
"Digitally signed per ASBTR Substantive Statement dated 6-17-02"

SHEET VM-1

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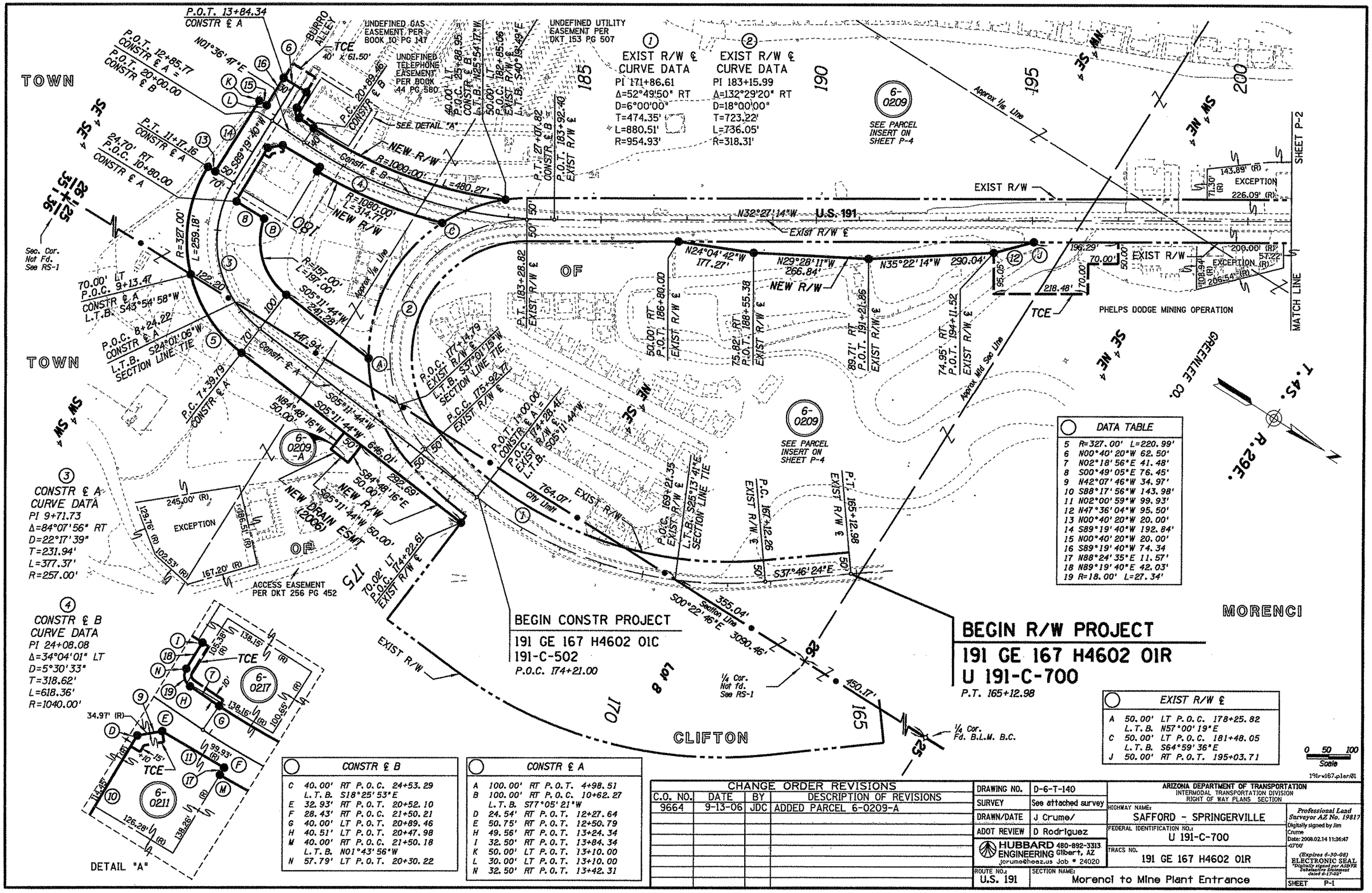


CONSTR ℄ B			
C	40.00'	RT	P.O.C. 24+53.29
	L.T.B.		S18°25'53"E
E	32.93'	RT	P.O.T. 20+52.10
F	28.43'	RT	P.O.C. 21+50.21
G	40.00'	LT	P.O.T. 20+89.46
H	40.51'	LT	P.O.T. 20+47.98
M	40.00'	RT	P.O.C. 21+50.18
	L.T.B.		N01°43'56"W
N	57.79'	LT	P.O.T. 20+30.22

CONSTR ℄ A			
A	100.00'	RT	P.O.T. 4+98.51
B	100.00'	RT	P.O.C. 10+62.27
	L.T.B.		S77°05'21"W
D	24.54'	RT	P.O.T. 12+27.64
E	50.75'	RT	P.O.T. 12+50.79
H	49.56'	RT	P.O.T. 13+24.34
I	32.50'	RT	P.O.T. 13+84.34
K	50.00'	LT	P.O.T. 13+10.00
L	30.00'	LT	P.O.T. 13+10.00
N	32.50'	RT	P.O.T. 13+42.31

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS
9664	9-13-06	JDC	ADDED PARCEL 6-0209-A

DRAWING NO.	D-6-T-140
SURVEY	See attached survey
DRAWN/DATE	J Crume/
ADOT REVIEW	D Rodriguez
HUBBARD ENGINEERING	480-892-3313 Gilbert, AZ jcrume@heaz.us Job # 24020
ROUTE NO.:	U.S. 191
SECTION NAME:	Morenci to Mine Plant Entrance

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

HIGHWAY NAME: SAFFORD - SPRINGERVILLE

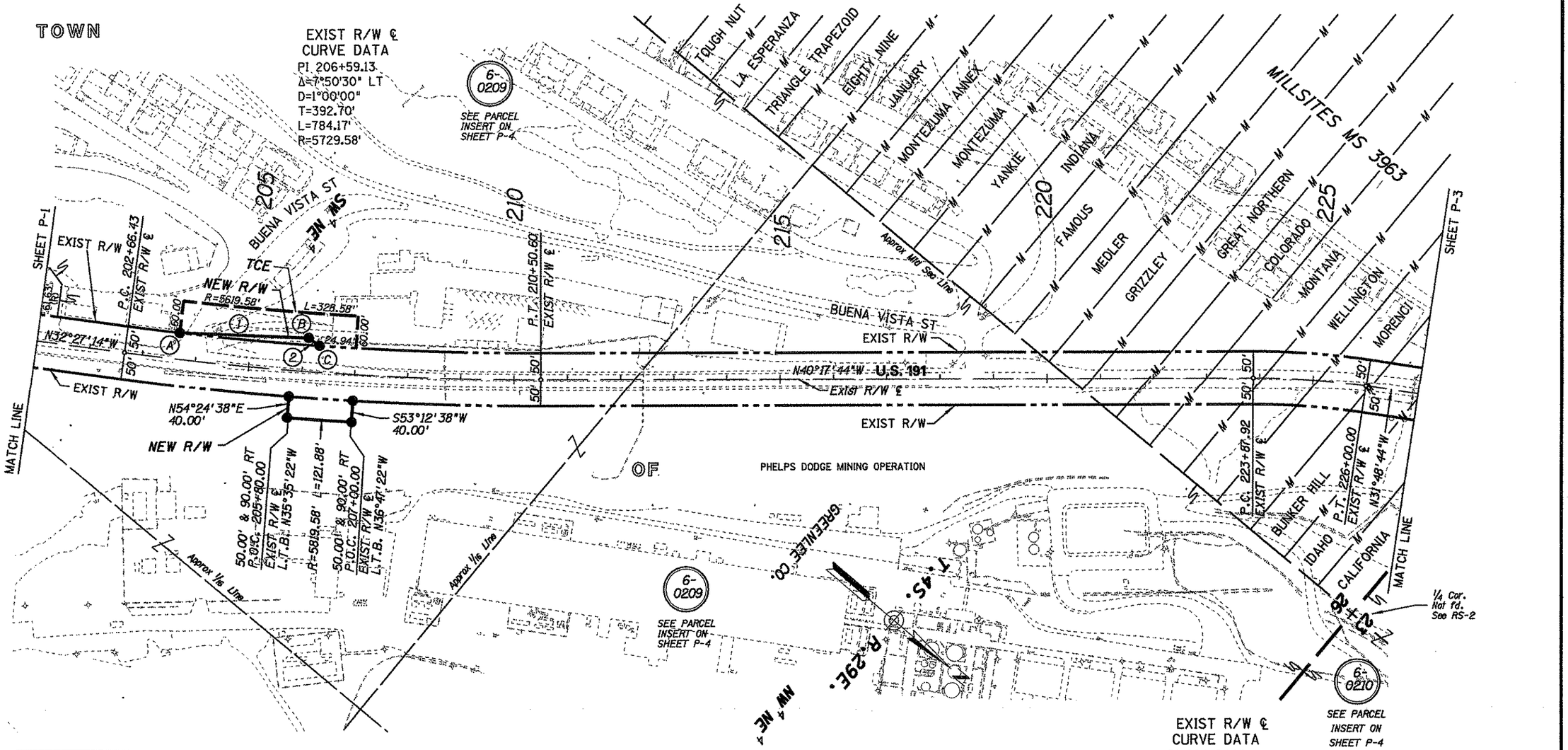
FEDERAL IDENTIFICATION NO.: U 191-C-700

TRACS NO. 191 GE 167 H4602 01R

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2008.02.14 11:36:47 -07'00'

(Expires 6-30-08)
ELECTRONIC SEAL
"Digitally signed per ASD7FR Substantive Statement dated 6-17-02"

SHEET P-1



DATA TABLE	
1	N37°47'09"W 241.27'
2	N04°05'53"W 24.94'

EXIST R/W ℄			
A	50.00'	LT	P.O.C. 203+65.00
B	63.18'	LT	P.O.C. 206+08.33
C	50.00'	LT	P.O.C. 206+29.72

EXIST R/W ℄
CURVE DATA
PI 224+94.16
Δ=8°29'00" RT
D=4°00'00"
T=106.24'
L=212.08'
R=1432.39'

0 50 100
Scale

191rw167.plan82

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

DRAWING NO.	D-6-T-140
SURVEY	See attached survey
DRAWN/DATE	J Crume/
ADOT REVIEW	D Rodriguez

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ jcrume@heez.us Job # 24020

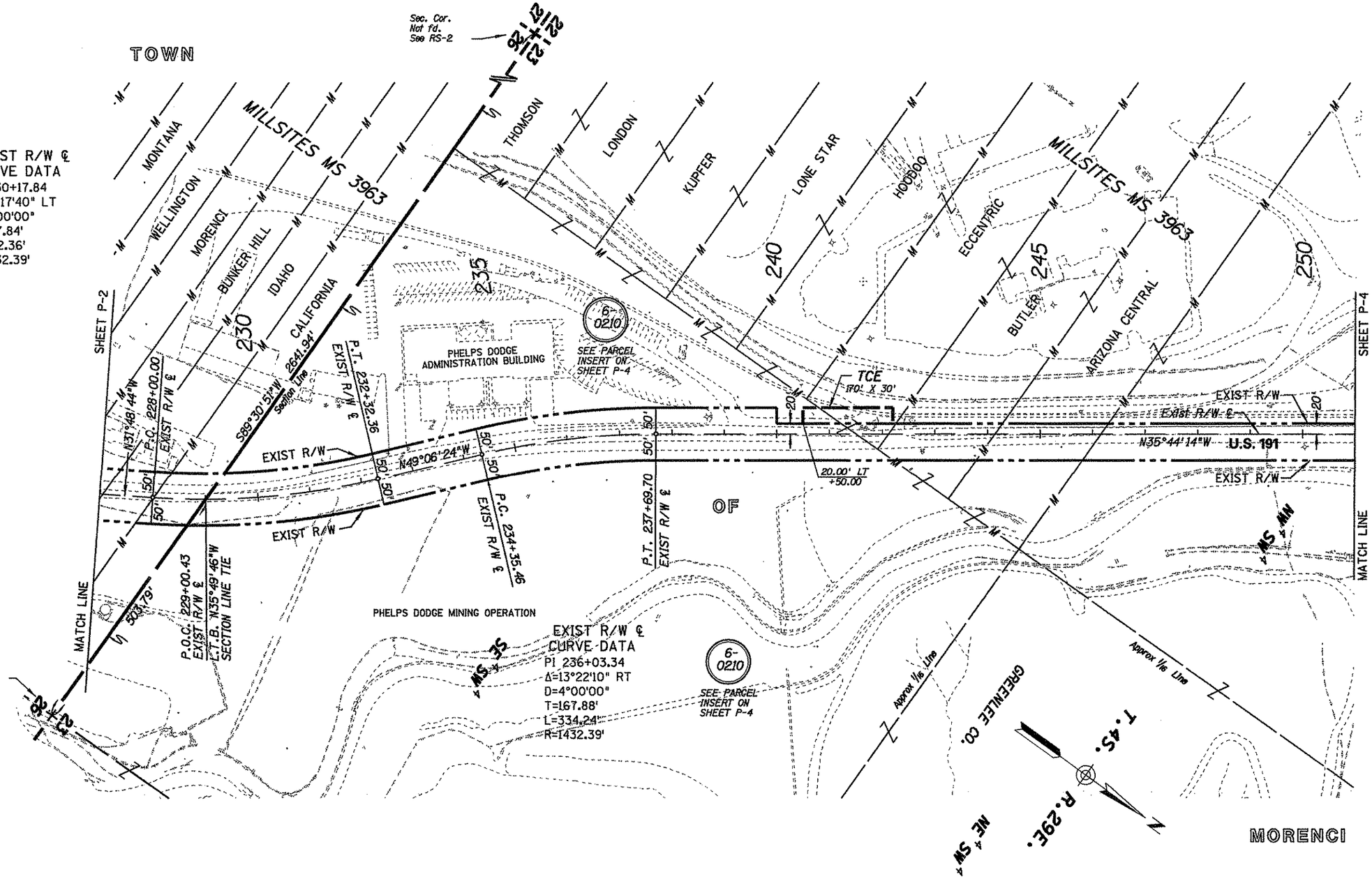
ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: SAFFORD - SPRINGERVILLE
FEDERAL IDENTIFICATION NO.: U 191-C-700
TRACS NO. 191 GE 167 H4602 01R
ROUTE NO.: U.S. 191
SECTION NAME: Morenci to Mine Plant Entrance

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume Date: 2008.02.14 11:36:57 -07'00'
(Expires 6-30-08)
ELECTRONIC SEAL
"Digitally signed per ASBTR Substantive Statement dated 6-17-02"

SHEET P-2

EXIST R/W ℄
CURVE DATA
PI 230+17.84
Δ=17°17'40" LT
D=4°00'00"
T=217.84'
L=432.36'
R=1432.39'



191r167.plan03

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

DRAWING NO.	D-6-T-140
SURVEY	See attached survey
DRAWN/DATE	J Crume/
ADOT REVIEW	D Rodriguez
HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ jcrume@heaz.us Job # 24020	
ROUTE NO.: U.S. 191	SECTION NAME: Morenci to Mine Plant Entrance

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

HIGHWAY NAME: SAFFORD - SPRINGERVILLE
FEDERAL IDENTIFICATION NO.: U 191-C-700
TRACS NO. 191 GE 167 H4602 01R

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2008.02.14 11:37:07 -07'00'
(Expires 6-30-08)
ELECTRONIC SEAL
"Digitally signed per ASBTR Submissive Statement dated 6-17-02"

SHEET P-3

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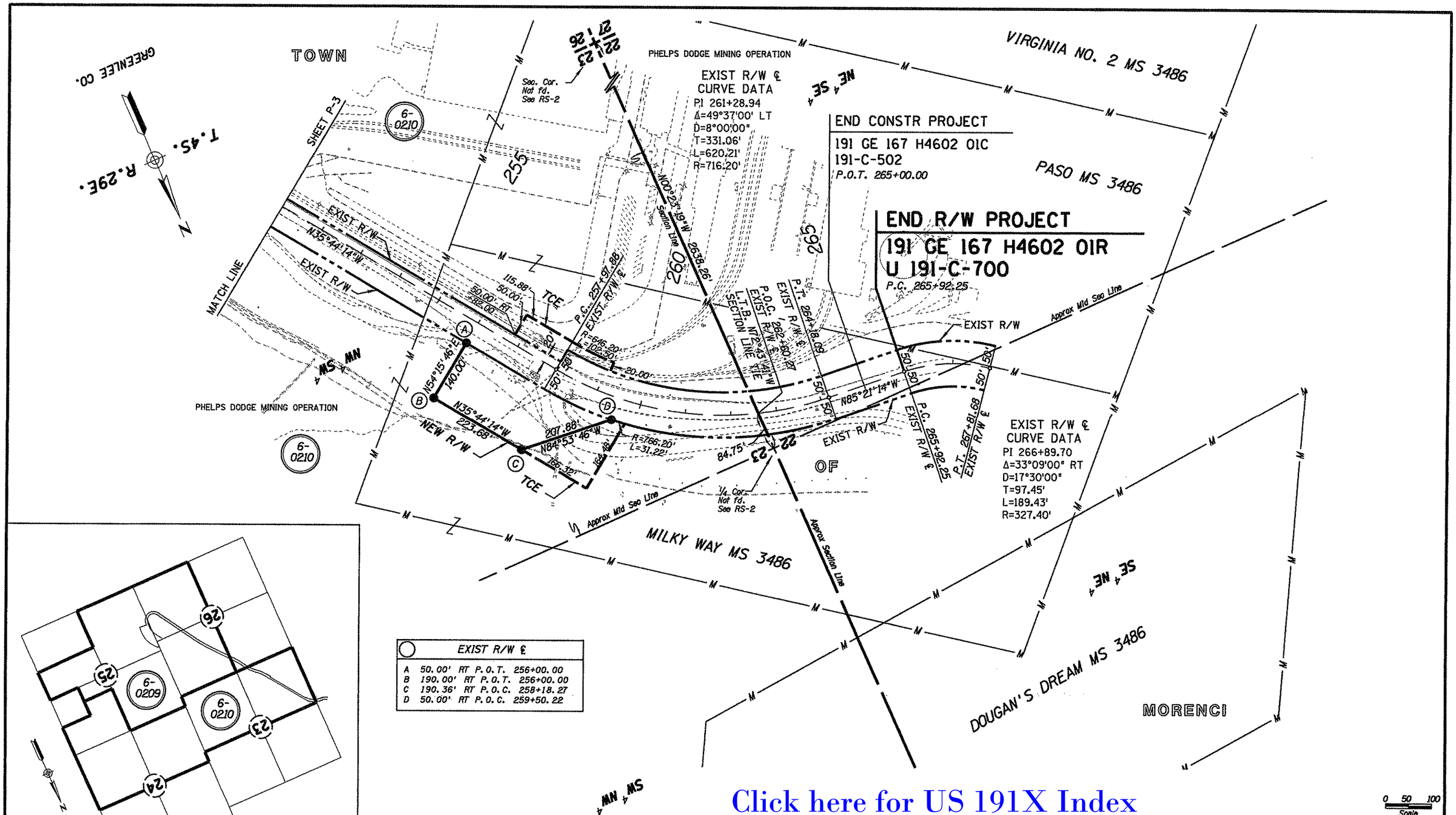

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CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-6-T-140
SURVEY	See attached survey
DRAWN/DATE	J Crume/
ADOT REVIEW	D Rodriguez

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ jcrume@heaz.us Job # 24020

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

HIGHWAY NAME: SAFFORD - SPRINGERVILLE

FEDERAL IDENTIFICATION NO.: U 191-C-700

TRACS NO. 191 GE 167 H4602 01R

ROUTE NO.: U.S. 191

SECTION NAME: Morenci to Mine Plant Entrance

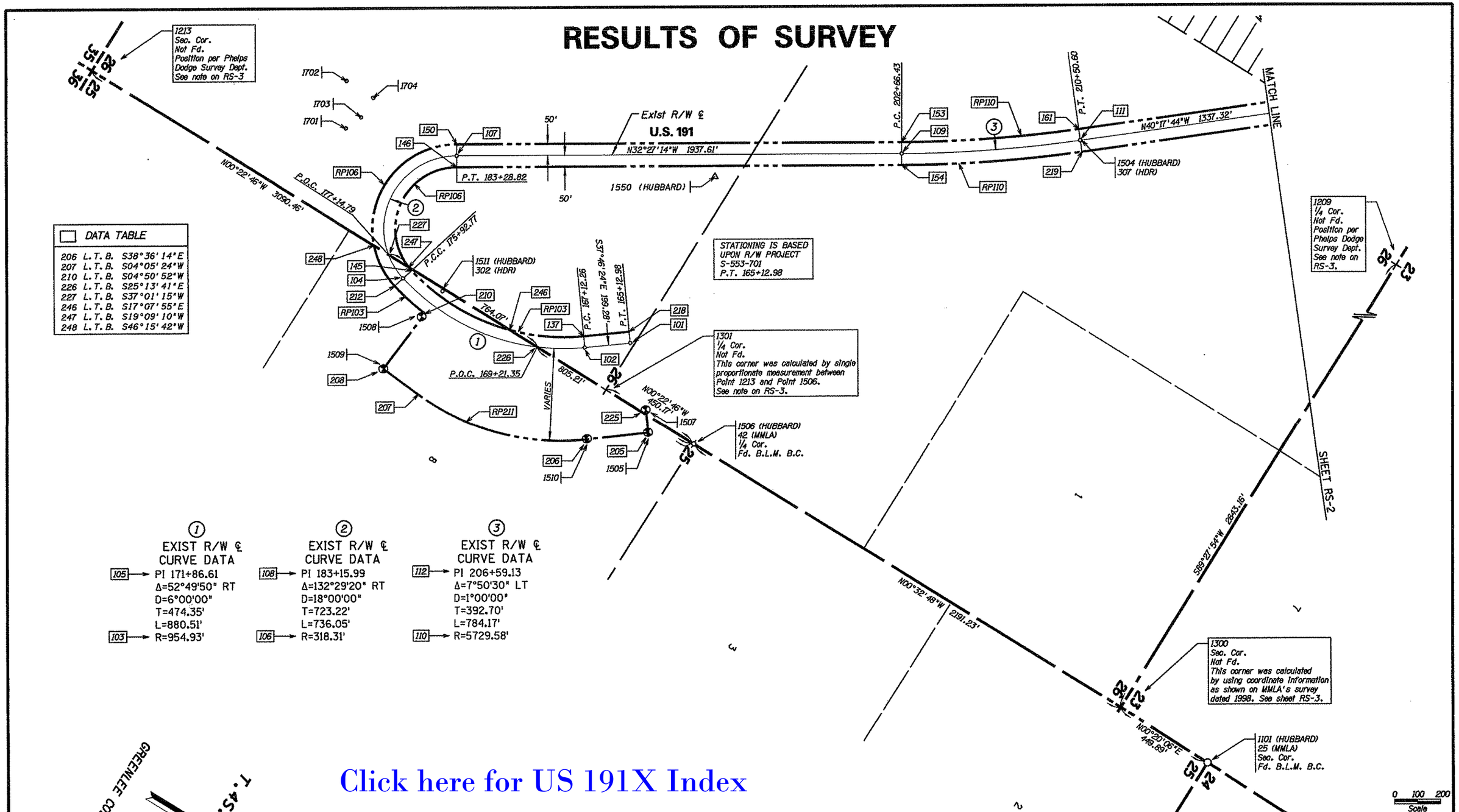
Professional Land Surveyor AZ No. 19817

Digitally signed by Jim Crume
Date: 2008.02.14 11:37:17 -07'00'

(Expires 6-30-08)
ELECTRONIC SEAL
"Digitally signed per ASDTR Substantive Statement dated 6-17-02"

SHEET P-4

RESULTS OF SURVEY



DATA TABLE		
206	L.T.B.	S38°36'14"E
207	L.T.B.	S04°05'24"W
210	L.T.B.	S04°50'52"W
226	L.T.B.	S25°13'41"E
227	L.T.B.	S37°01'15"W
246	L.T.B.	S17°07'55"E
247	L.T.B.	S19°09'10"W
248	L.T.B.	S46°15'42"W

① EXIST R/W ℄ CURVE DATA

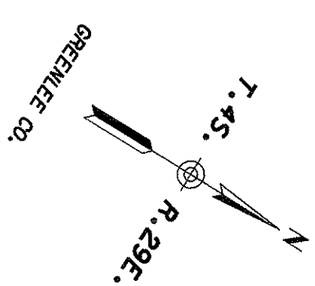
105 → PI 171+86.61
Δ=52°49'50" RT
D=6°00'00"
T=474.35'
L=880.51'
103 → R=954.93'

② EXIST R/W ℄ CURVE DATA

108 → PI 183+15.99
Δ=132°29'20" RT
D=18°00'00"
T=723.22'
L=736.05'
106 → R=318.31'

③ EXIST R/W ℄ CURVE DATA

112 → PI 206+59.13
Δ=7°50'30" LT
D=1°00'00"
T=392.70'
L=784.17'
110 → R=5729.58'



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LEGEND

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

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

DRAWING NO.	D-6-T-140
SURVEY	April 2004
DRAWN/DATE	J Crume/Apr 04
ADOT REVIEW	D Rodriguez

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ jcrume@hesz.us Job • 24020

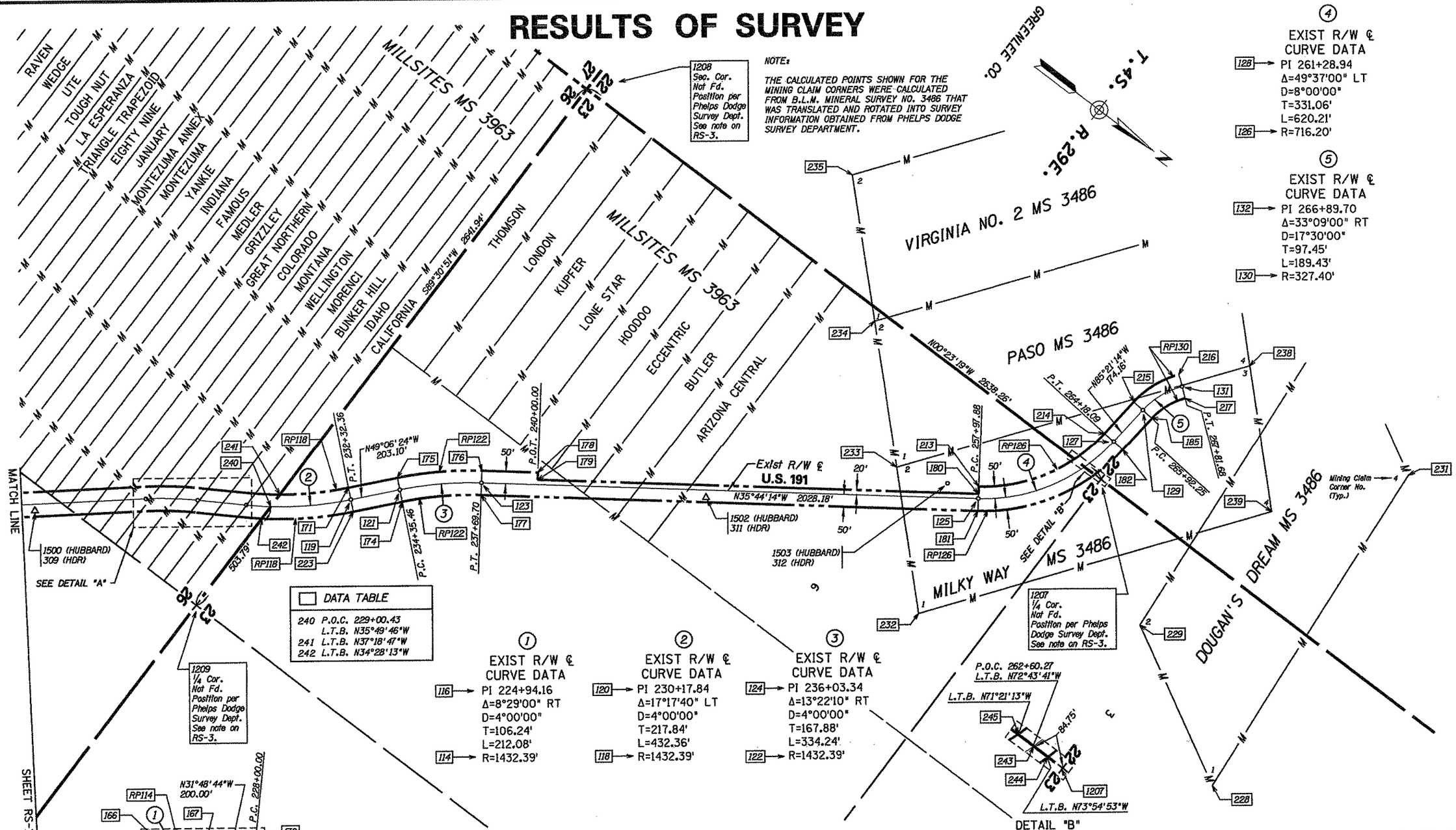
ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: SAFFORD - SPRINGERVILLE
FEDERAL IDENTIFICATION NO.: U 191-C-700
TRACS NO. 191 GE 167 H4602 01R
ROUTE NO.: U.S. 191
SECTION NAME: Morenci to Mine Plant Entrance

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2008.02.14 11:37:26 -07'00'
(Expires 6-30-08)
ELECTRONIC SEAL
"Digitally signed per ADOT'S Submittal Statement dated 6-17-02"

SHEET RS-1

RESULTS OF SURVEY



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LEGEND

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

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

DRAWING NO.	D-6-T-140
SURVEY	April 2004
DRAWN/DATE	J Crume/Apr 04
ADOT REVIEW	D Rodriguez

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ jcrume@heaz.us Job # 24020

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

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FEDERAL IDENTIFICATION NO.: U 191-C-700
TRACS NO. 191 GE 167 H4602 01R
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SECTION NAME: Morenci to Mine Plant Entrance

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Date: 2008.02.14 11:37:34 -07'00'
(Expires 6-30-08)
ELECTRONIC SEAL
"Digitally signed per ASBTR Submittal/re Statement dated 6-17-02"

SHEET RS-2

RESULTS OF SURVEY

Click here for US 191X Index

GENERAL NOTES

ONE NGS CONTROL STATION WAS USED TO ESTABLISH THE CONTROL BASELINE FOR THIS SURVEY AS FOLLOWS:

GILLARD (PID DT0748) NAD 83 (1992) 33°00'10.93460"(N) 109°17'11.42582"(W)
Grid Coordinates N 729765.29856 E 969829.45210

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

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

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

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 1.00020157 AND SCALE ORIGIN VALUES OF NO.000, EO.000 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 READILY AVAILABLE AT THE TIME THE SURVEY WAS PREPARED.

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

SECTION MONUMENTATION

PT.	NORTHING	EASTING	DESCRIPTION
1101	751933.76689	958493.20731	BLM BC
1207	754074.99026	953187.79374	PHELPS DODGE SURVEY
1208	751436.79349	953205.68645	PHELPS DODGE SURVEY
1209	751459.19850	955847.53236	PHELPS DODGE SURVEY
1213	746202.36130	958531.94585	PHELPS DODGE SURVEY
1300	751483.88084	958490.57614	(C)
1301	748842.59347	958514.46218	(C)
1506	749292.75306	958511.48121	BLM BC

NOTE:
MOST ALL OF THE SECTIONAL AND EXISTING R/W MONUMENTATION, WITHIN THE LIMITS OF THIS RESULTS OF SURVEY, HAVE BEEN DESTROYED BY THE ON-GOING MINING ACTIVITY. EXISTING R/W CENTERLINE CONTROL WAS FOUND AT POINTS 1501 & 1504 WHICH WAS USED TO CORRELATE THE CENTERLINE WITH RECORD INFORMATION PER R/W PROJECT S-553-701.

PHELPS DODGE SURVEY DEPARTMENT (JAMIE MONTOYA & CHARLIE FRANCO) SUPPLIED NAD 83 SURVEY COORDINATES FOR THE MISSING SECTIONAL MONUMENTS. DUE TO THE ON-GOING MINING ACTIVITY, THE MISSING SECTIONAL MONUMENTS WERE NOT SET AND THE COORDINATES FOR SAID MONUMENTS CONTAINED IN THIS RESULTS OF SURVEY WILL STAND AS RECORD INFORMATION TO THEIR LOCATION FOR FUTURE USE AND MONUMENTATION OF SAID POINTS ONCE THE MINING ACTIVITY WILL ALLOW IT.

CALCULATED MINING CLAIM CORNERS

PT.	NORTHING	EASTING	DESCRIPTION
228	755200.88246	953900.57912	(C)
229	754565.60813	953561.71849	(C)
231	755056.58034	952408.54095	(C)
232	753818.93161	954075.94828	(C)
233	753381.38341	953658.41433	(C)
234	752943.83520	953240.88037	(C)
235	752506.28699	952823.34641	(C)
238	754269.94814	952449.92241	(C)
239	754707.49635	952867.45637	(C)

EXIST R/W MONUMENTATION

PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
1505	749097.44521	958574.71580	ADOT CAP IN CONC	164+66.67	396.22 LT
1507	749034.96857	958496.57989	ADOT CAP IN CONC	164+70.17	296.23 LT
1508	747989.87633	958673.62292	ADOT CAP IN CONC	174+26.43	69.75 LT
1509	747969.74218	958954.79512	ADOT CAP IN CONC	174+22.90	351.61 LT
1510	748887.11113	958740.28352	ANGLE IRON-NO CAP	167+32.36	398.88 LT

COORDINATE POINT CROSS REFERENCE

HUBBARD SURVEY 2004				MMLA SURVEY 1998					
PT.	NORTHING	EASTING	DESCRIPTION	PT.	NORTHING	EASTING	DESCRIPTION	NORTHING	EASTING
1101	751933.76689	958493.20731	BLM BC →	25	751933.88584	958493.13999	MMLA ←	760228.57000	1493876.77000
1300	751483.88084	958490.57614	(C) →	24	751483.88084	958490.57614	MMLA ←	759778.58000	1493881.71000
1500	750701.34290	955943.19597	5/8" REBAR →	309	750701.44339	955943.16963	HDR ←	758953.77000	1491347.68000
1501	751030.20118	955629.82186	BENT NAIL →	310	751030.40669	955629.75247	HDR ←	759277.46440	1491028.82000
1502	752842.58784	954229.79466	5/8" REBAR →	311	752842.64691	954229.73532	HDR ←	761066.12000	1489598.77000
1503	753586.89523	953583.96085	PK NAIL →	312	753587.01592	953583.88517	HDR ←	761799.61880	1488940.59340
1504	750010.24458	956494.67142	RR SPIKE →	307	750010.33112	956494.70578	HDR ←	758271.94400	1491910.66640
1506	749292.75306	958511.48121	BLM BC →	42	749292.55067	958511.51348	MMLA ←	757587.88000	1493939.18000
1511	748007.26351	958531.48392	5/8" REBAR →	302	748007.29544	958531.44725	HDR ←	756303.12130	1493980.53670

THE ABOVE COORDINATES WERE CALCULATED BY TAKING THE COORDINATES TO THE RIGHT AND CONVERTING THEM AS FOLLOWS:

STEP 1
THE COORDINATES WERE ENTERED INTO GPS SOFTWARE

STEP 2
THE COORDINATES WERE TRANSFORMED TO ARIZONA CENTRAL ZONE

STEP 3
THE COORDINATES WERE CONVERTED TO ARIZONA EAST ZONE

STEP 4
THE COORDINATES WERE TRANSFORMED TO GROUND COORDINATES.

COMBINED FACTOR FROM GRID TO GROUND 1.00020157

THE ABOVE COORDINATES ARE AS SHOWN ON A SURVEY BY MMLA DATED 1998 & 30% DESIGN PLANS BY HDR DATED AUGUST 8, 2003

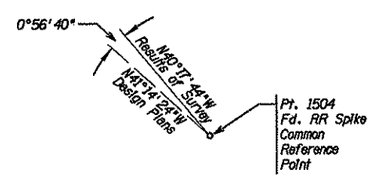
NOTE:
IT WAS DETERMINED THAT THE ABOVE COORDINATES WERE TRANSFORMED TO GROUND VALUES FROM ARIZONA CENTRAL ZONE STATE PLANE GRID VALUES AND NOT ARIZONA EAST ZONE AS INDICATED ON MMLA'S SURVEY. THE COORDINATES ARE FAR ENOUGH EAST FROM THE ARIZONA CENTRAL ZONE MERIDIAN THAT THE GRID PLANE IS ABOVE THE SURFACE.

COMBINED FACTOR FROM GRID TO GROUND 0.99956596

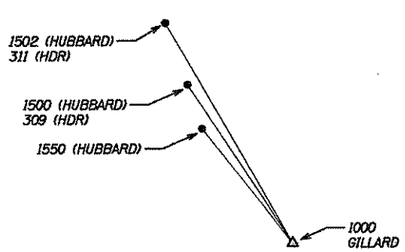
BEARING DATUM CROSS REFERENCE

THE FOLLOWING PROCEDURE SHALL BE FOLLOWED WHEN CROSS REFERENCING THIS RESULTS OF SURVEY WITH THE DESIGN PLANS:

POINT 1504 (RR SPIKE) IS THE COMMON REFERENCE POINT BETWEEN THIS SURVEY AND THE DESIGN PLANS. A ROTATIONAL VALUE OF 0°56'40" SHALL BE APPLIED IN A CLOCKWISE DIRECTION WHEN REFERENCING THE DESIGN PLANS TO THIS SURVEY.



CONTROL DIAGRAM



△ NGS Control Point
● Hubbard Control Points

GPS CONTROL POINTS

PT.	NORTHING	EASTING	DESCRIPTION
1000	729912.39735	970024.94062	NGS GILLARD
1500	750701.34290	955943.19597	5/8" REBAR
1502	752842.58784	954229.79466	5/8" REBAR
1550	748747.19432	957476.65572	3/4" BAR

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

191rw167.survey03

DRAWING NO.	D-6-T-140
SURVEY	April 2004
DRAWN/DATE	J Crume/Apr 04
ADOT REVIEW	D Rodriguez

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ jcrume@heaz.us Job # 24020

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

HIGHWAY NAME: SAFFORD - SPRINGERVILLE
FEDERAL IDENTIFICATION NO.: U 191-C-700
TRACS NO. 191 GE 167 H4602 01R
ROUTE NO.: U.S. 191
SECTION NAME: Morenci to Mine Plant Entrance

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2008.02.14 11:37:44 -07'00'
(Expires 6-30-08)
ELECTRONIC SEAL
"Digitally signed per ASBTZ Substantive Statement dated 6-17-02"

SHEET RS-3

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 FOLLOWING EXISTING DOCUMENTATION:

1) R/W PROJECTS: S-59 & S-553-701
2) PHELPS DODGE SURVEY RECORDS
3) THE MOST CURRENT B.L.M. MAPS, NOTES AND DEPENDENT RESURVEYS

LEFT SIDE			RIGHT SIDE		
PT.	STATION	OFFSET	PT.	STATION	OFFSET
225	164+69.76	296.55 LT	218	165+12.98	50.00 RT
205	164+66.33	396.51 LT	137	167+12.26	50.00 RT
206	167+32.12	401.01 LT	103	Radius Pt.	---
211	Radius Pt.	---	246	170+56.28	50.00 RT
207	172+85.20	362.98 LT	103	Radius Pt.	---
208	174+22.61	351.86 LT	145	175+92.77	50.00 RT
210	174+22.61	50.00 LT	106	Radius Pt.	---
103	Radius Pt.	---	247	176+15.52	50.00 RT
212	175+92.77	50.00 LT	106	Radius Pt.	---
106	Radius Pt.	---	146	183+28.82	50.00 RT
248	177+66.13	50.00 LT	154	202+66.43	50.00 RT
106	Radius Pt.	---	110	Radius Pt.	---
150	183+28.82	50.00 LT	219	210+50.60	50.00 RT
153	202+66.43	50.00 LT	220	223+87.92	50.00 RT
110	Radius Pt.	---	114	Radius Pt.	---
161	210+50.60	50.00 LT	221	226+00.00	50.00 RT
166	223+87.92	50.00 LT	222	228+00.00	50.00 RT
114	Radius Pt.	---	118	Radius Pt.	---
167	226+00.00	50.00 LT	242	228+66.45	50.00 RT
170	228+00.00	50.00 LT	118	Radius Pt.	---
118	Radius Pt.	---	223	232+32.36	50.00 RT
241	229+37.52	50.00 LT	174	234+35.46	50.00 RT
118	Radius Pt.	---	122	Radius Pt.	---
171	232+32.36	50.00 LT	177	237+69.69	50.00 RT
175	234+35.46	50.00 LT	181	257+97.88	50.00 RT
122	Radius Pt.	---	126	Radius Pt.	---
176	237+69.69	50.00 LT	244	262+75.10	50.00 RT
178	240+00.00	50.00 LT	126	Radius Pt.	---
179	240+00.00	20.00 LT	182	264+18.09	50.00 RT
180	257+97.88	20.00 LT	185	265+92.25	50.00 RT
213	257+97.88	50.00 LT	130	Radius Pt.	---
126	Radius Pt.	---	217	267+81.68	50.00 RT
245	262+43.09	50.00 LT			
126	Radius Pt.	---			
214	264+18.09	50.00 LT			
215	265+92.25	50.00 LT			
130	Radius Pt.	---			
216	267+81.68	50.00 LT			

CALCULATED POINTS

PT.	NORTHING	EASTING	DESCRIPTION	PT.	NORTHING	EASTING	DESCRIPTION
101	748823.00426	958285.71404	(C)	171	751661.42932	955087.41946	(C)
102	748665.48530	958407.78081	(C)	174	751869.98158	954999.35634	(C)
103	748080.55365	957652.96586	(C)	175	751794.38863	954933.89103	(C)
104	747832.47830	958575.10971	(C)	176	752049.15449	954701.07898	(C)
105	748290.54100	958698.33784	(C)	177	752107.56133	954782.24943	(C)
106	747915.17009	958267.72842	(C)	178	752236.09317	954566.56576	(C)
107	747744.35850	957999.13098	(C)	179	752253.61523	954590.91689	(C)
108	747134.08491	958387.22776	(C)	180	753712.96239	953540.83197	(C)
109	749379.36098	956959.36915	(C)	181	753753.84718	953597.65128	(C)
110	746304.75242	952124.61521	(C)	182	754070.01508	953037.78863	(C)
111	750010.24458	956494.67142	(C)	185	754084.12242	952864.19926	(C)
112	749710.72761	956748.64018	(C)	205	749097.85242	958574.76547	(C)
113	751030.24609	955629.78378	(C)	206	748888.65404	958741.78905	(C)
114	751956.61913	956722.29784	(C)	207	748158.64643	958968.56062	(C)
115	751201.55125	955505.07704	(C)	208	747970.12038	958955.07958	(C)
116	751111.27413	955561.07785	(C)	210	747995.62831	958654.30096	(C)
117	751371.50450	955399.65143	(C)	211	748233.52835	957921.23416	(C)
118	750616.43662	954182.43064	(C)	212	747819.48911	958623.39304	(C)
119	751699.22579	955120.15212	(C)	213	753695.44034	953516.48084	(C)
120	751556.61812	955284.82153	(C)	214	753970.34368	953029.68849	(C)
121	751832.18511	954966.62369	(C)	215	753984.45102	952856.09912	(C)
122	752914.97428	955904.34516	(C)	216	754062.39167	952655.37571	(C)
123	752078.35791	954741.66421	(C)	217	754141.41131	952716.66107	(C)
124	751942.08858	954839.71789	(C)	218	748792.37336	958246.19509	(C)
125	753724.64376	953557.06606	(C)	219	750042.58237	956532.80628	(C)
126	753306.33557	952975.72558	(C)	220	751062.58261	955667.91972	(C)
127	754020.17938	953033.73856	(C)	221	751227.90809	955547.56606	(C)
128	753993.36338	953363.70671	(C)	222	751397.86134	955442.14046	(C)
129	754034.28672	952860.14919	(C)	223	751737.02226	955152.88477	(C)
130	754360.61532	952886.66941	(C)	225	749035.45928	958496.61756	(C)
131	754101.90149	952686.01839	(C)	226	748487.56527	958516.81318	(C)
132	754042.18014	952763.02143	(C)	227	747723.51453	958521.87274	(C)
137	748634.85835	958368.25879	(C)	240	751454.92612	955343.76148	(C)
145	747845.46690	958526.82620	(C)	241	751454.40147	955281.89843	(C)
146	747771.19067	958041.32144	(C)	242	751455.44161	955404.54521	(C)
150	747717.52862	957956.93907	(C)	243	753990.23722	953188.36855	(C)
153	749352.52996	956917.17796	(C)	244	754042.53657	953188.01385	(C)
154	749406.19200	957001.56034	(C)	245	753937.56428	953188.72579	(C)
161	749977.91060	956456.53333	(C)	246	748347.12038	958517.74321	(C)
166	750997.90957	955591.64785	(C)	247	747827.14063	958521.18653	(C)
167	751175.19440	955462.58802	(C)	248	747649.06483	958522.36575	(C)
170	751345.14766	955357.16241	(C)				

PROPERTY CORNERS

PT.	NORTHING	EASTING	DESCRIPTION
1701	747272.24906	958155.37191	RR SPIKE
1702	747164.31763	957978.70487	RR SPIKE
1703	747302.65902	958078.95065	RR SPIKE
1704	747302.44767	957978.47172	RR SPIKE

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

DRAWING NO.	D-6-T-140
SURVEY	April 2004
DRAWN/DATE	J Crume/Apr 04
ADOT REVIEW	D. Rodriguez

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ jcrume@heaz.us Job # 24020

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

HIGHWAY NAME: SAFFORD - SPRINGERVILLE
FEDERAL IDENTIFICATION NO.: U 191-C-700
TRACS NO. 191 GE 167 H4602 01R
ROUTE NO.: U.S. 191
SECTION NAME: Morenci to Mine Plant Entrance

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2008.02.14 11:37:53 -07'00'
(Expires 6-30-08)
ELECTRONIC SEAL
"Digitally signed per ASSTR Substantive Statement dated 6-17-03"

SHEET RS-4

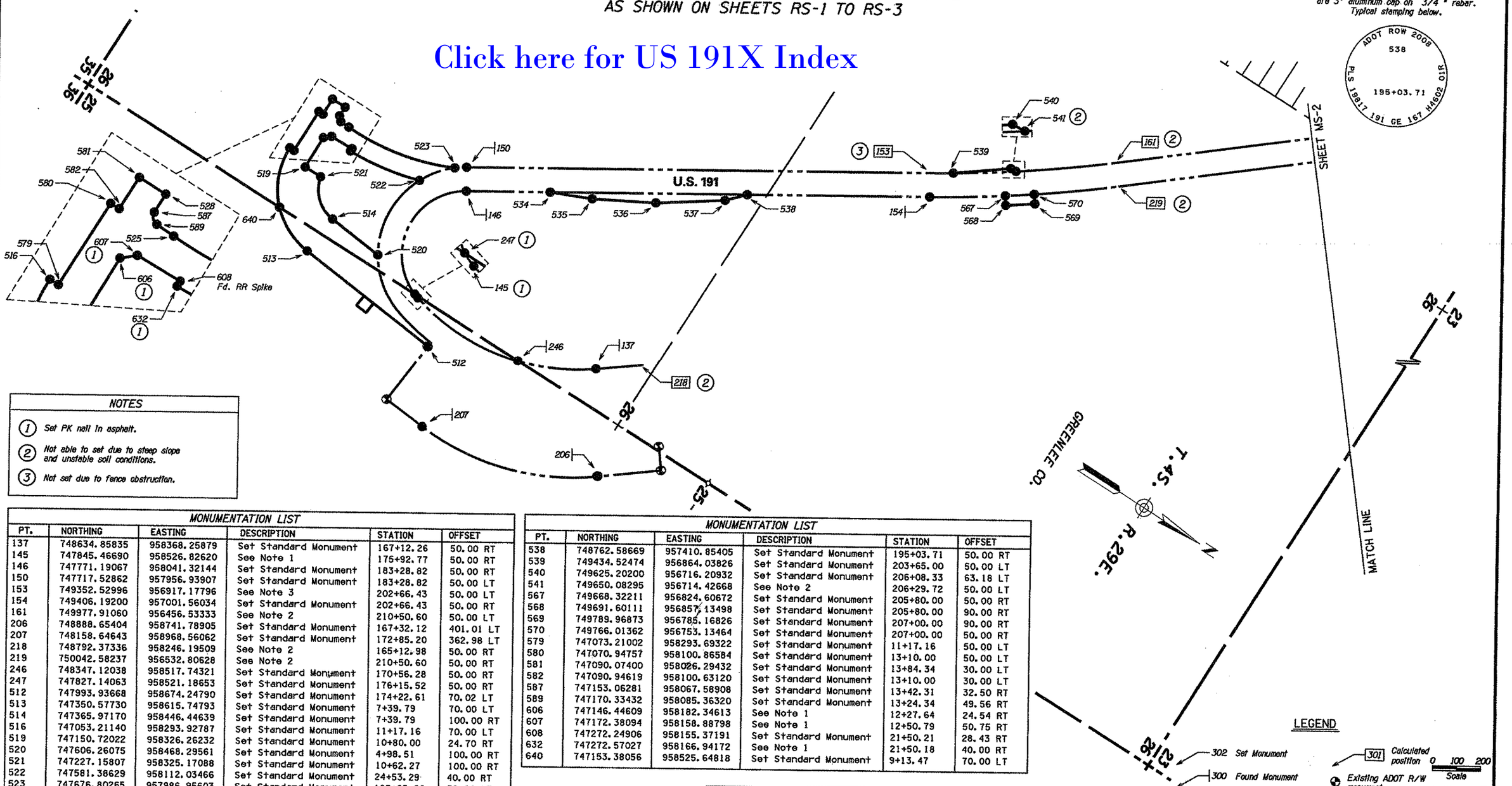
RIGHT OF WAY MONUMENTATION SURVEY

THIS SURVEY SUPPLEMENTS THE RESULTS OF SURVEY AS SHOWN ON SHEETS RS-1 TO RS-3

Click here for US 191X Index

STANDARD ADOT R/W MONUMENT DETAIL

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



NOTES

1. Set PK nail in asphalt.
2. Not able to set due to steep slope and unstable soil conditions.
3. Not set due to fence obstruction.

MONUMENTATION LIST

PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
137	748634.85835	958368.25879	Set Standard Monument	167+12.26	50.00 RT
145	747845.46690	958526.82620	See Note 1	175+92.77	50.00 RT
146	747771.19067	958041.32144	Set Standard Monument	183+28.82	50.00 RT
150	747717.52862	957956.93907	Set Standard Monument	183+28.82	50.00 LT
153	749352.52996	956917.17796	See Note 3	202+66.43	50.00 LT
154	749406.19200	957001.56034	Set Standard Monument	202+66.43	50.00 RT
161	749977.91060	956456.53333	See Note 2	210+50.60	50.00 LT
206	748888.65404	958741.78905	Set Standard Monument	167+32.12	401.01 LT
207	748158.64643	958968.56062	Set Standard Monument	172+85.20	362.98 LT
218	748792.37336	958246.19509	See Note 2	165+12.98	50.00 RT
219	750042.58237	956532.80628	See Note 2	210+50.60	50.00 RT
246	748347.12038	958517.74321	Set Standard Monument	170+56.28	50.00 RT
247	747827.14063	958521.18653	Set Standard Monument	176+15.52	50.00 RT
512	747993.93668	958674.24790	Set Standard Monument	174+22.61	70.02 LT
513	747350.57730	958615.74793	Set Standard Monument	7+39.79	70.00 LT
514	747365.97170	958446.44639	Set Standard Monument	7+39.79	100.00 RT
516	747053.21140	958293.92787	Set Standard Monument	11+17.16	70.00 LT
519	747150.72022	958326.26232	Set Standard Monument	10+80.00	24.70 RT
520	747606.26075	958468.29561	Set Standard Monument	4+98.51	100.00 RT
521	747227.15807	958325.17088	Set Standard Monument	10+62.27	100.00 RT
522	747581.38629	958112.03466	Set Standard Monument	24+53.29	40.00 RT
523	747676.80265	957986.95603	Set Standard Monument	182+85.06	50.00 LT
525	747211.77876	958087.03905	Set Standard Monument	20+89.46	40.00 LT
528	747152.56970	958025.56105	Set Standard Monument	13+84.34	32.50 RT
534	748067.52469	957852.87108	Set Standard Monument	186+80.00	50.00 RT
535	748229.37017	957780.54754	Set Standard Monument	188+55.38	75.82 RT
536	748461.68528	957649.27198	Set Standard Monument	191+21.86	89.71 RT
537	748698.19126	957481.37879	Set Standard Monument	194+11.52	74.95 RT

REFER TO THE R/W PLANS FOR THE BASIS OF STATIONING.

MONUMENTATION LIST

PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
538	748762.58669	957410.85405	Set Standard Monument	195+03.71	50.00 RT
539	749434.52474	956864.03826	Set Standard Monument	203+65.00	50.00 LT
540	749625.20200	956716.20932	Set Standard Monument	206+08.33	63.18 LT
541	749650.08295	956714.42668	See Note 2	206+29.72	50.00 LT
567	749668.32211	956824.60672	Set Standard Monument	205+80.00	50.00 RT
568	749691.60111	956857.13498	Set Standard Monument	205+80.00	90.00 RT
569	749789.96873	956785.16826	Set Standard Monument	207+00.00	90.00 RT
570	749766.01362	956753.13464	Set Standard Monument	207+00.00	50.00 RT
579	747073.21002	958293.69322	Set Standard Monument	11+17.16	50.00 LT
580	747070.94757	958100.86584	Set Standard Monument	13+10.00	50.00 LT
581	747090.07400	958026.29432	Set Standard Monument	13+84.34	30.00 LT
582	747090.94619	958100.63120	Set Standard Monument	13+10.00	30.00 LT
587	747153.06281	958067.58908	Set Standard Monument	13+42.31	32.50 RT
589	747170.33432	958085.36320	Set Standard Monument	13+24.34	49.56 RT
606	747146.44609	958182.34613	See Note 1	12+27.64	24.54 RT
607	747172.38094	958158.88798	See Note 1	12+50.79	50.75 RT
608	747272.24906	958155.37191	Set Standard Monument	21+50.21	28.43 RT
632	747272.57027	958166.94172	See Note 1	21+50.18	40.00 RT
640	747153.38056	958525.64818	Set Standard Monument	9+13.47	70.00 LT

LEGEND

302 Set Monument

300 Found Monument

301 Calculated position

Existing ADOT R/W monument

0 100 200 Scale

191rw167.survey05

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-6-T-140
SURVEY	January 2008
DRAWN/DATE	J Crume/Jan 08
ADOT REVIEW	D Rodriguez

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ jcrume@hbez.us Job # 24020

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

HIGHWAY NAME: SAFFORD - SPRINGERVILLE

FEDERAL IDENTIFICATION NO.: U 191-C-700

TRACS NO. 191 GE 167 H4602 01R

ROUTE NO.: U.S. 191

SECTION NAME: Morenci to Mine Plant Entrance

Professional Land Surveyor AZ No. 19817

Digitally signed by Jim Crume
Date: 2008.02.14 11:38:01 -07'00'

(Expires 6-30-08)
ELECTRONIC SEAL
"Digitally signed per ASBTR Substantive Statement dated 6-17-02"

SHEET MS-1

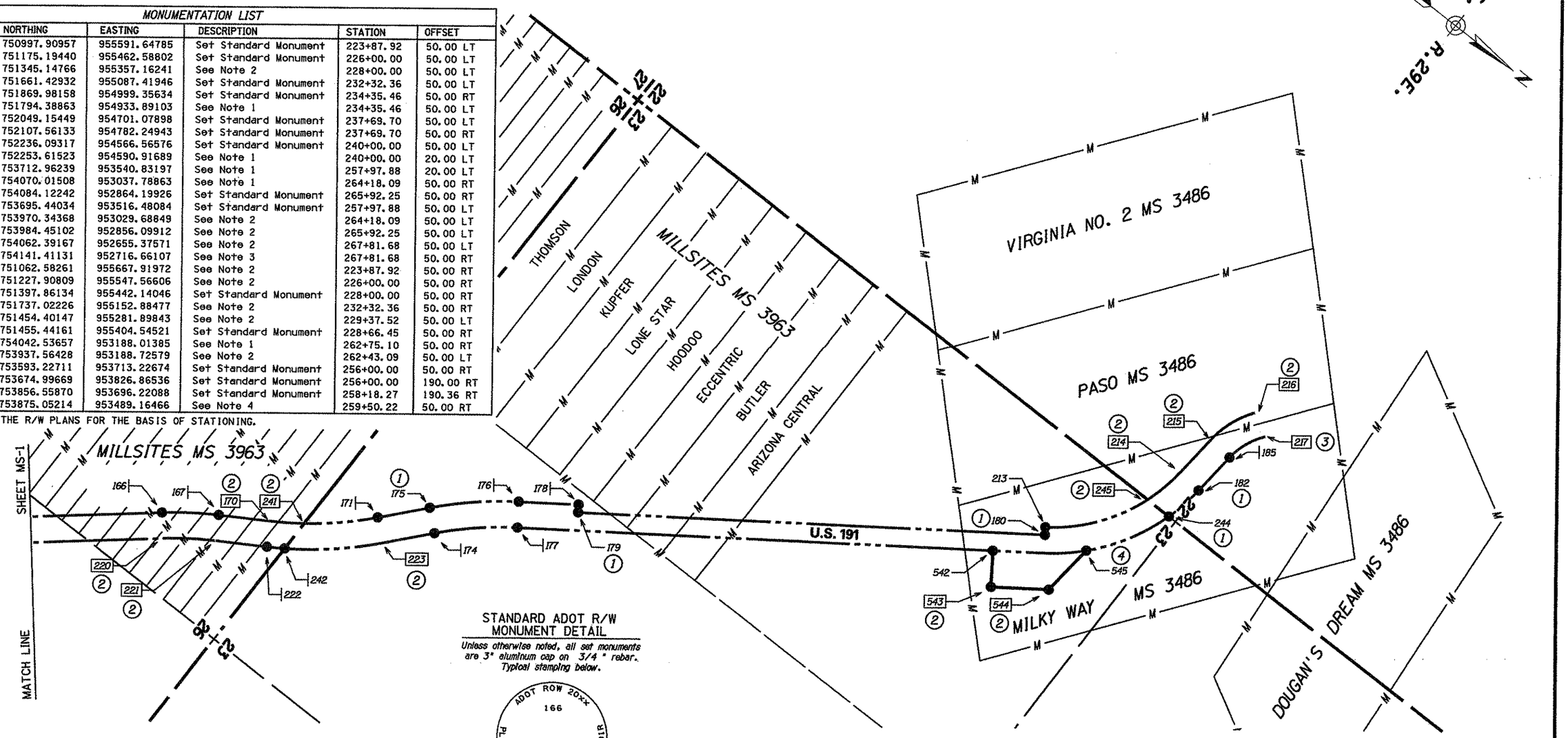
RIGHT OF WAY MONUMENTATION SURVEY

THIS SURVEY SUPPLEMENTS THE RESULTS OF SURVEY AS SHOWN ON SHEETS RS-1 TO RS-3

MONUMENTATION LIST

PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
166	750997.90957	955591.64785	Set Standard Monument	223+87.92	50.00 LT
167	751175.19440	955462.58802	Set Standard Monument	226+00.00	50.00 LT
170	751345.14766	955357.16241	See Note 2	228+00.00	50.00 LT
171	751661.42932	955087.41946	Set Standard Monument	232+32.36	50.00 LT
174	751869.98158	954999.35634	Set Standard Monument	234+35.46	50.00 RT
175	751794.38863	954933.89103	See Note 1	234+35.46	50.00 LT
176	752049.15449	954701.07898	Set Standard Monument	237+69.70	50.00 LT
177	752107.56133	954782.24943	Set Standard Monument	237+69.70	50.00 RT
178	752236.09317	954566.56576	Set Standard Monument	240+00.00	50.00 LT
179	752253.61523	954590.91689	See Note 1	240+00.00	20.00 LT
180	753712.96239	953540.83197	See Note 1	257+97.88	20.00 LT
182	754070.01508	953037.78863	See Note 1	264+18.09	50.00 RT
185	754084.12242	952864.19926	Set Standard Monument	265+92.25	50.00 RT
213	753695.44034	953516.48084	Set Standard Monument	257+97.88	50.00 LT
214	753970.34368	953029.68849	See Note 2	264+18.09	50.00 LT
215	753984.45102	952856.09912	See Note 2	265+92.25	50.00 LT
216	754062.39167	952655.37571	See Note 2	267+81.68	50.00 LT
217	754141.41131	952716.66107	See Note 3	267+81.68	50.00 RT
220	751062.58261	955667.91972	See Note 2	223+87.92	50.00 RT
221	751227.90809	955547.56606	See Note 2	226+00.00	50.00 RT
222	751397.86134	955442.14046	Set Standard Monument	228+00.00	50.00 RT
223	751737.02226	955152.88477	See Note 2	232+32.36	50.00 RT
241	751454.40147	955281.89843	See Note 2	229+37.52	50.00 LT
242	751455.44161	955404.54521	Set Standard Monument	228+66.45	50.00 RT
244	754042.53657	953188.01385	See Note 1	262+75.10	50.00 RT
245	753937.56428	953188.72579	See Note 2	262+43.09	50.00 LT
542	753593.22711	953713.22674	Set Standard Monument	256+00.00	50.00 RT
543	753674.99669	953826.86536	Set Standard Monument	256+00.00	190.00 RT
544	753856.55870	953696.22088	Set Standard Monument	258+18.27	190.36 RT
545	753875.05214	953489.16466	See Note 4	259+50.22	50.00 RT

REFER TO THE R/W PLANS FOR THE BASIS OF STATIONING.



STANDARD ADOT R/W MONUMENT DETAIL

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

NOTES

1. *Set PK nail in asphalt.*
2. *Not able to set due to steep slope and unstable soil conditions.*
3. *Not able to set it lands in operation area.*
4. *Unable to set Standard Monument due to hard soil conditions created by large mining equipment. Set 12" spike with LS 19817 TAG.*

LEGEND

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

Click here for US 191X Index

0 100 200
Scale

191rw167.survey06

CHANGE ORDER REVISIONS

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SHEET MS-2