RESULTS OF SURVEY

BASELINE SURFACE COORDINATES

PT.	NORTHING	EASTING	DESC.
H1	833507.79283	688231.67356	BC
H2	834157.17913	704372.38584	BC
H3	831259.97734	723184.62546	BC
H4	839297.78841	754980.15206	BC
H5	847961.28874	770203.24450	BC
KELL1	889964.63075	781560.47722	NGS
PECOST1	832156.77213	738891.92188	NGS
PROV1	833958.53574	670163.65442	NGS
QUEEN1	860510.33984	783178.55245	NGS

TOWNSHIP LINE AT BASELINE ROAD

PT.	NORTHING	EASTING	DESC.
3012	865739.94387	780411.92693	CALCED
3013	865729.75618	783073.31105	CALCED
3014	865718.97788	785735.06352	CALCED

R/W SURVEY & SURFACE COORDINATES

PT.	NORTHING	EASTING	DESC.
20085	833819.06412	701789.46820	POB 2188+55.39
20086	833945.89070	707102.41839	PC 2241+69.854
20088	833205.16447	709712.17085	PT 2269+23.932
20089	832899.83910	710181.28079	PC 2274+83.653
20091	832157.84986	712701.36329	PT 2301+48.051
20092	832202.61459	723108.14702	PC 2405+54.931
20094	831463.01079	725624.56063	PT 2432+14.952
20095	831219.98397	725998.73433	PC 2436+61.123
20097	830480.83232	728562.76236	PT 2463+68.761
20099	830728.84711	745444.96613	PC 2632+52.787
20101	831383.87365	747535.28268	PT 2654+74.119
20104	834850.36955	752683.02178	PC 2716+80.230
20106	838040.38998	754372.82297	PT 2754+39.408
20109	842821.80044	754354.30132	PC 2802+20.855
20111	847040.93997	758515.03755	PT 2867+97.001
20113	847052.71943	759685.33078	PC 2879+67.354
20115	847087.33108	760734.66829	PT 2890+17.354
20116	847132.42430	761540.79884	PC 2898+24.744
20118	847166.52892	762544.34917	PT 2908+28.954
20119	847196.53344	765031.71937	P1 2933+16.505
20120	847220.12696	776375.42934	PC 3046+60.240
20122	847663.01545	778922.92236	PT 3072+58.449
20123	848191.17912	780405.70887	PC 3088+32.493
20125	852577.00471	783450.83789	PT 3145+31.942
20127	860752.43309	783329.70305	PC 3227+08.268
20129	862308.75870	782977.21338	PT 3243+15.567
20132	863672.21327	782350.83899	PC 3258+16.018
20134	865482.57515	782004.27949	PT 3276+77.293
20152	868406.55611	782157.51885	EOP 3306+05.286

U.S. 60 & SURFACE COORDINATES

PT.	NORTHING	EASTING	DESC.
20153	868402.18970	776172.58566	CALCED
20154	868405.86885	781478.42646	CALCED
20155	868411.22996	786775.83819	CALCED

GENERAL NOTES

Four NGS control stations were used to establish the Control Baseline for this survey and they are as follows:

Kell NAD 83(1992) 33°26'44.76232"(N) 111°38'58.87001"(W) Elev 1632.
Queen NAD 83(1992) 33°21'53.34213"(N) 111°38'40.68469"(W) Elev 1405.
Pecost NAD 83(1992) 33°17'13°68542"(N) 111°47'23.20805"(W) Elev 1256.
Prov NAD 83(1992) 33°17'31.60411"(N) 112°00'52.78415"(W) Elev 1183.

The above values were entered into a Trimble Data Collector Model TSC1 with the following parameters 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: GEOID96 (Continental US)

Five additional control points were set named H1, H2, H3, H4 & H5. A Trimble 4800 GPS Equipment was used for all field survey measurements. 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 Trimble Survey Office Software. A scale facter of 1.00016 and coordinate values of N0.000, E0.000 were used for the translation to the surface.

All Bearings are grid bearings and Distances are surface distances.

MONUMENT VERIFICATION AND ACCEPTANCE

The monumentation shown on this "Results of Survey" was based on an observation and evaluation of physical corroborating evidence in the field; and a review and analysis of existing drawings, plats, and notes readily available at the time the survey was prepared.

SURFACE COORDINATES

PT.	NORTHING	EASTING	DESCRIPTION
100	836319.57346	707154.10040	BC IN HH
101	833686.23319	707171.53844	BC 3FT DEEP
102	832497.10581	707175.16645	BC 1 FT DEEP
103	831176.74017	707179.38445	BC 1 FT DEEP
104	830721.54126	707180.41146	NAIL IN 2IN PIPE
105	828040.50290	707189.12047	COCH BC FLUSH
106	829856.03153	707183.43646	BC .5FT DEEP
107	830762.76034	709830.99476	BC IN HH
108	830804.04243	712474.79104	BC IN HH
109	828151.04612	712485.23707	REBAR
110	833682.05718	712465.62403	BC IN HH
114	836340.32750	712448.58299	BC IN HH
115	833708.81024	715108.44631	BC IN HH
116	833735.06029	717750.20660	BC IN HH
117	830901.50662	717800.94670	BC IN HH
118	828204.22123	715165.58443	COTTON SPINDLE
119	830852.67952	715137.99637	REBAR
120	833755.64133	720397.47089	BC IN HH
121	833774.87137	723049.48819	BC IN HH
122	833774.70537	723032.50716	BC FLUSH
123	831989.65080	723093.00128	BC FLUSH
124	832253.41833	723082.23226	BC FLUSH
125	830986.92979	723067.43823	BC IN HH
126	830987.62779	723100.00830	BC FLUSH
127	828337.82449	723087.92927	BC IN HH
128	828337.33949	723056.83721	BC FLUSH
129	830944.47971	720442.66498	1 PIN
130	833756.29133	724473.24404	CL RR
131	833790.16540	725694.36448	BC IN HH
132	833802.52242	728340.88578	BC IN HH
133	831087.58099	728362.57182	BC FLUSH
134	828438.66670	728376.14985	BC IN HH
136	828388.31260	725732.05656	BC IN HH
137	829079.30598	724508.75711	CL RR
138	831037.34289	725713.70952	REBAR
139	831024.27087	724494.02108	CL RR
200	833824.58447	730984.39906	PIPE
201	833848.07351	733629.17135	BC IN HH
202	831153.37113	733646.95739	BC IN HH
203	828511.23584	733664.21442	CONC
204	828474.80777	731020.48214	BC IN HH
206	831120.49806	731002.48310	LS15925 CAP
207	829872.49956	730937.62897	SRP REBAR
208	830131.93108	730899.53089	SRP CAP
209	830441.20970	730775.56665	SRP BAR
210	830542.65790	730750.10460	SRP CAP
211	830660.35814	730737.22357	SRP CAP
212	833869.39556	736279.73865	BC IN HH
213	833891.22260	738922.24994	NAIL IN PIPE
214	831248.21431	738926.64295	CONC IN HH
215	828605.21803	738930.61396	PIPE IN HH
216	828558.17093	736297.44269	PK IN PIPE
217	831200.66422	736288.73367	BC FLUSH
218	833919.71166	741453.98200	PIPE
219	833943.12970	743610.73232	BC IN HH
221	831282.70438	741451.02300	REBAR CAP
222	833948.62872	744096.69829	BC IN HH
225	831319.07746	744101.32130	BC FLUSH
226	831201.52922	744101.53230	BC FLUSH
227	828699.52022	744106.22931	BC IN HH
228	829616.63505	744104.51930	BC FLUSH
229	830682.24418	743924.11494	BC FLUSH
230	830915.71665	743843.20978	BC FLUSH
231	830941.13370	743916.52493	BC FLUSH
232	831057.19693	743794.17268	BC FLUSH
235	832124.24807	743614.01732	BC FLUSH
238	833979.22178	746723.24654	REBAR
239	834010.31184	749350.10380	BC IN HH
240	831385.54359	749405.85391	REBAR
241	828735.98129	749462.33602	BC IN HH
242	828717.76225	746784.44866	BC IN HH
243	831352.22652	746754.01360	REBAR
244	834040.22690	751990.27508	COTTON SPINDLE
245	834071.16896	754630.85436	REBAR
246	831414.55865	754691.51448	COTTON SPINDLE
248	828739.35630	754752.67560	BC
249	828737.43929	752107.45731	BC IN HH
250	831399.95362	752048.64419	REBAR CAP25393
252	836658.37814	749341.11978	BC IN HH
253	839306.29343	749332.48676	BC IN HH
254	839323.38447	751972.14104	BC IN HH
255	839340.49550	754612.03432	BC IN HH
256	836705.84823	754621.00834	REBAR
257	836681.91018	751981.33406	CAP 15573
258	844576.80397	749316.19673	BC IN HH
259	841940.68570	749323.46974	REBAR
260	844592.38000	751953.93500	BC IN HH
261	844607.46203	754591.61728	BC IN HH
262	844494.47381	754571.42924	CL RR
263	841957.74873	751963.20102	PIPE
264	847209.76424	749305.13171	BC IN HH
265	848365.04055	749318.91873	CL RR
266	849842.75350	749293.64468	BC IN HH
268	849857.21853	751935.52097	BC IN HH
271	847241.89430	754583.31726	BC IN HH
272	847226.06027	751944.43598	REBAR
300	849899.63262	757182.25446	BC IN HH
301	849927.22967	759787.17667	BC IN HH
302	847293.47441	759807.63771	BC IN HH
306	844633.56909	757209.80951	BC IN HH
307	842027.07187	759848.12979	BC IN HH
308	840610.78004	759841.58278	CL RR
309	839394.56061	759868.41583	BC IN HH
312	849951.22172	762392.78788	CAP FLUSH
313	849975.24677	764998.34509	PIPE
314	847346.33951	765030.22516	REBAR
315	844714.82625	765062.57222	BC IN HH
316	844687.15219	762445.05199	BC IN HH
317	847320.00546	762418.93193	PIPE
318	850001.68582	767605.85031	REBAR
319	850027.99787	770213.24352	BC IN HH
320	847399.84162	770255.20961	BC IN HH
321	844771.90736	770297.36069	BC IN HH
322	844743.48931	767675.05645	BC IN HH
324	847373.00156	767643.03438	PIPE
328	849921.75166	785972.46604	BC IN HH
330	844651.27812	785995.92409	BC IN HH
331	849939.58370	783330.43976	PIPE
332	849959.92874	780692.19348	PIPE
333	849979.42678	778039.43517	PIPE
334	849999.31382	775386.26687	BAR
335	844752.60632	772796.30569	BC
336	844738.66830	775433.54196	BC
337	844716.25225	778081.95626	BC
338	844693.41021	780726.93055	RB
339	844675.40317	783364.79882	BC
340	847367.84255	775390.63988	REBAR
341	847328.32048	780675.73045	BC
404	870900.43931	786769.14532	BC IN HH
405	870897.64581	784118.89467	BC IN HH
406	870895.99436	781466.05842	BC IN HH
409	870893.95061	778815.37573	BC IN HH
410	870892.16260	776165.45143	BC IN HH
412	868252.19032	776173.01544	BC IN HH
414	868261.23050	786776.24150	BC IN HH
415	865735.81715	781481.17403	BC IN HH
416	865714.57063	786782.07033	BC IN HH
417	865718.92926	785735.06457	BC IN HH
418	865725.72764	784131.55618	BC IN HH
419	865729.90814	783073.30812	BC IN HH
420	865739.41415	780411.93896	BC IN HH
421	865746.04531	778831.02076	BC IN HH
422	865750.36632	777764.21462	BC IN HH
423	865756.71233	776179.47645	BC IN HH
424	863093.34801	785791.49268	BC IN HH
425	860454.90973	785833.91176	BC IN HH
426	860470.12076	783174.94044	PIPE
427	860485.90279	780515.63713	BC IN HH
428	863108.00603	780471.69504	BC IN HH
429	863100.96402	783123.99834	CAP
431	857922.99666	785836.47177	CL POWER
432	855182.48118	785913.51292	BC IN HH
433	855198.26821	783257.19761	BC IN HH
434	855216.41525	780603.13630	BC IN HH
436	857955.35573	780574.48724	CL POWER
439	852559.37294	785940.20098	BC IN HH
440	852596.46301	780648.77739	PIPE
441	852577.93497	783293.60668	PIPE
442	846001.06082	771754.22260	475+00
443	845889.01360	771732.61556	PC476+14.12
444	846492.05480	771848.99979	470+00
445	846890.36560	771925.83795	PT465+94.41
501	833684.09419	709821.57874	E REBAR
503	836329.59323	709738.65508	BC FLUSH
504	828650.75912	741447.52899	BC HH
505	849871.72156	754576.95025	BC HH
508	844659.66314	759828.17875	BC HH
509	839367.20155	757240.82958	BC HH
514	847286.92039	785983.82106	BFLUSH
515	857818.68646	785873.64684	BC HH
516	857835.38449	783216.30053	RODLS5068
517	857851.87952	780559.42921	1.5 PIPE
600	850013.89475	772742.23529	REBAR W/CAP
700	860487.31889	780530.95235	NAIL
1003	828534.98689	707187.57247	CALCED
3002	868254.15072	781479.18002	½ REBAR
3003	841973.86877	754601.82630	CALCED
3004	842000.47382	757225.31955	CALCED
3005	847267.68935	757195.99249	CALCED
3007	868258.14889	784125.22327	ADOT BC
3008	847384.17647	772769.26097	CALCED
3009	847347.87579	778060.69542	CALCED
3010	847307.48126	783347.61937	CALCED
3011	868253.16953	778823.40134	CALCED
40200	833684.14868	709754.06121	PK NAIL

R/W SURVEY & INT. SURFACE COORDINATES

PT.	NORTHING	EASTING	DESCRIPTION
20200	833947.00374	707169.81161	POC 2242+37.257
20201	833684.96725	708739.93170	POC 2258+37.202
20202	833132.79861	709823.35567	POT 2270+56.593
20203	832162.67497	712470.46354	POC 2299+17.076
20204	832168.27248	715124.38500	POT 2325+71.095
20205	832179.68724	717778.05847	POT 2352+24.793
20206	832191.06283	720422.62409	POT 2378+69.383
20207	832202.40582	723059.61244	POT 2405+06.396
20208	831406.79463	725711.11326	POT 2433+18.159
20209	831048.18988	726285.62929	POC 2439+95.595
20210	830482.17474	728365.67506	POC 2461+71.654
20211	830516.73436	731006.59060	POT 2488+12.853
20212	830555.58109	733650.86184	POT 2514+57.41
20213	830594.36316	736290.73189	POT 2540+97.564
20214	830633.10064	738927.56713	POT 2567+34.684
20215	830670.16054	741450.20982	POT 2592+57.599
20216	830709.12455	744102.46411	POT 2619+10.140
20217	830980.81828	746758.30435	POC 2645+96.917
20218	831361.62233	747501.86410	POC 2654+33.97
20219	832625.78019	749379.51127	POT 2676+97.52
20220	834034.34572	751471.22811	POT 2702+19.292
20221	834383.09134	751989.11462	POT 2708+43.656
20222	836701.45493	754136.55463	POC 2740+72.537
20223	839338.91240	754367.79291	POT 2767+37.940
20224	841972.37668	754357.59172	POT 2793+71.424
20225	844234.61468	754593.06261	POC 2816+60.733
20226	844608.99707	754745.56106	POC 2820+65.138
20227	846815.39128	757198.36497	POC 2854+55.462
20228	847054.30573	759809.50298	POC 2880+91.536
20229	847164.69974	762420.47269	POC 2907+05.064
20230	847196.53416	765032.06659	POT 2933+16.853
20231	847201.96899	767645.11721	POT 2959+29.909
20232	847207.40408	770258.29623	POT 2985+43.094
20233	847218.08380	775393.08360	POT 3036+77.892
20234	847350.10318	777762.83831	POC 3060+55.663
20235	847411.80771	778060.17892	POC 3063+59.359
20236	847212.63024	772771.02396	POT 3010+55.827
20237	848299.71583	780681.80738	POC 3091+29.210
20238	849944.70089	782666.86705	POC 3117+42.531
20239	851380.86317	783310.31857	POC 3133+24.083
20240	852576.83221	783450.84045	POC 3145+31.770
20241	855197.34812	783412.01242	POT 3171+52.573
20242	857834.40021	783372.93937	POT 3197+89.915
20243	860469.21141	783333.89953	POT 3224+25.015
20244	861868.08099	783147.87116	POC 3238+42.704
20245	863102.32168	782612.64859	POT 3251+88.865
20246	865733.77567	782017.44435	POT 3279+28.838
20247	868255.16370	782149.58471	POT 3304+53.686

DIN# 65460-1

REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION

DRAWING NO.	D-7-T-866
HARD COPY	
DRAWN/DATE	JDC MAY 1999
CHECKED	BG MAY 1999

KEITH W. HUBBARD
PROFESSIONAL ENGINEER

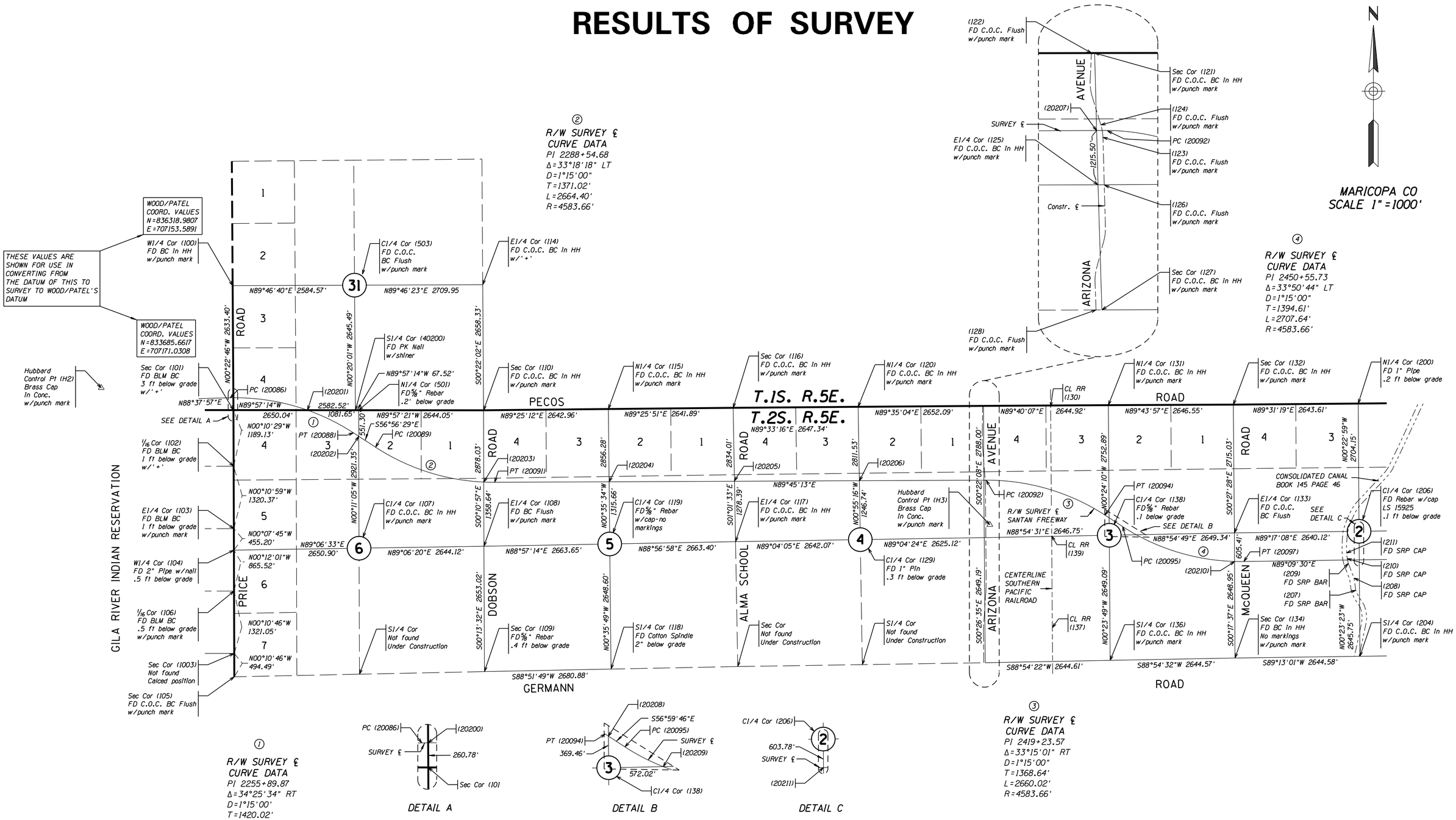
ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY: SANTAN FREEWAY
PROJECT NO.: RAM-600-7-801
TRACS NO.: 202L MA 000 H5325 01R
ROUTE: SR 202L
SECTION: Jct. S.R. 101L - Jct. U.S. 60

2021rw000.s01

ccccSYSTIMEccccc ccccDGNcSPECIFICATIONcccc

RESULTS OF SURVEY



REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION

DRAWING NO.	D-7-T-866
HARD COPY	
DRAWN / DATE	JDC MAY 1999
CHECKED	BG MAY 1999
KEITH W. HUBBARD PROFESSIONAL ENGINEER	
ROUTE	SR 202L
SECTION	Jct. S.R. 101L - Jct. U.S. 60

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

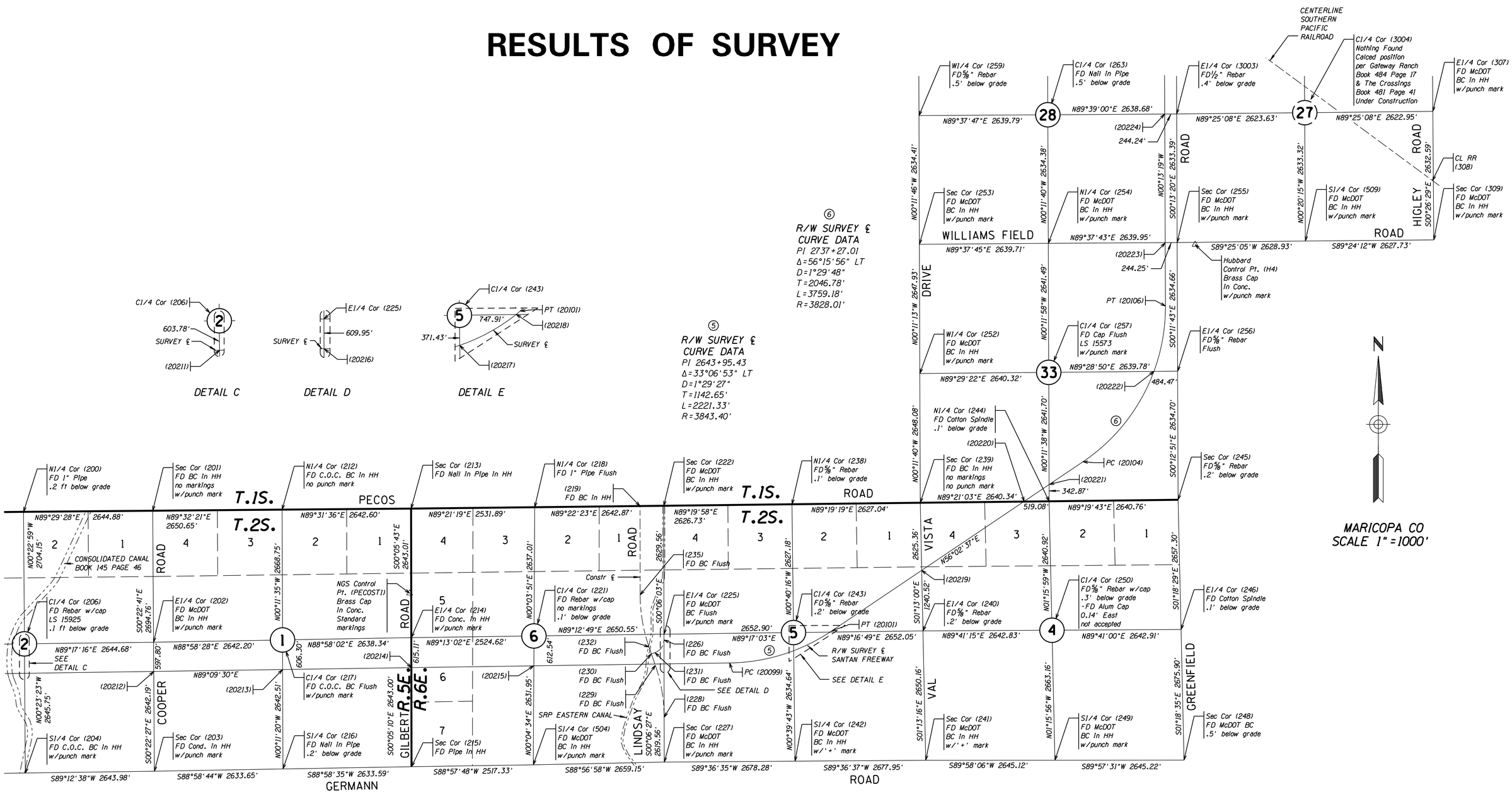
HIGHWAY: SANTAN FREEWAY
PROJECT NO.: RAM-600-7-801
TRACS NO.: 202L MA 000 H5325 01R

2021rw000.s02

SHEET 2 OF 6

ccccSYSTIMEccccc ccccDGNcSPECIFICATIONcccc

RESULTS OF SURVEY



REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION

DRAWING NO.	D-7-T-866
HARD COPY	
DRAWN/DATE	JDC MAY 1999
CHECKED	BG MAY 1999
KEITH W. HUBBARD PROFESSIONAL ENGINEER	
ROUTE	SECTION
SR 202L	Jct. S.R. 101L - Jct. U.S. 60

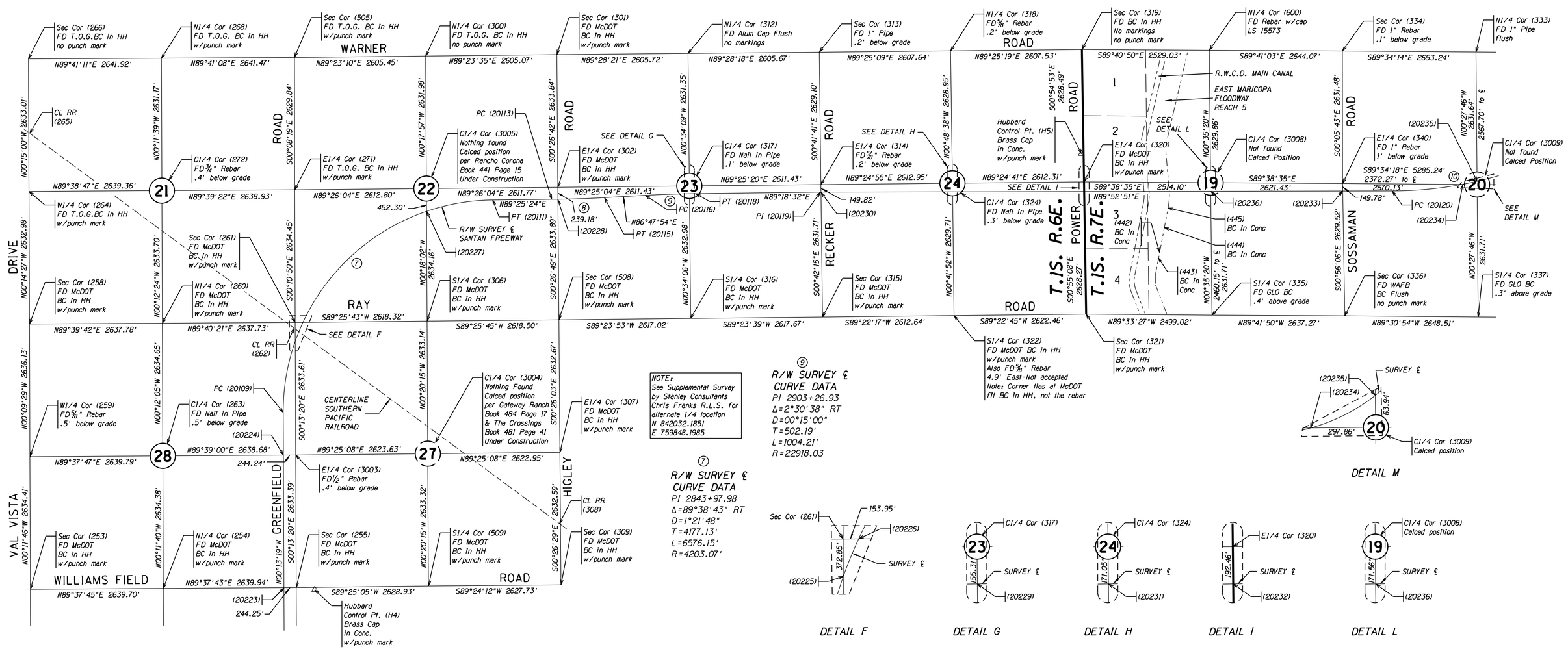
ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY: SANTAN FREEWAY
PROJECT NO.: RAM-600-7-801
TRACS NO.: 202L MA 000 H5325 01R

2021rw000.s03

ccccSYSTIMEccccc ccccDGNcSPECIFICATIONcccc

RESULTS OF SURVEY



REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION

DRAWING NO.	D-7-T-866
HARD COPY	
DRAWN/DATE	JDC MAY 1999
CHECKED	BG MAY 1999

KEITH W. HUBBARD
PROFESSIONAL ENGINEER

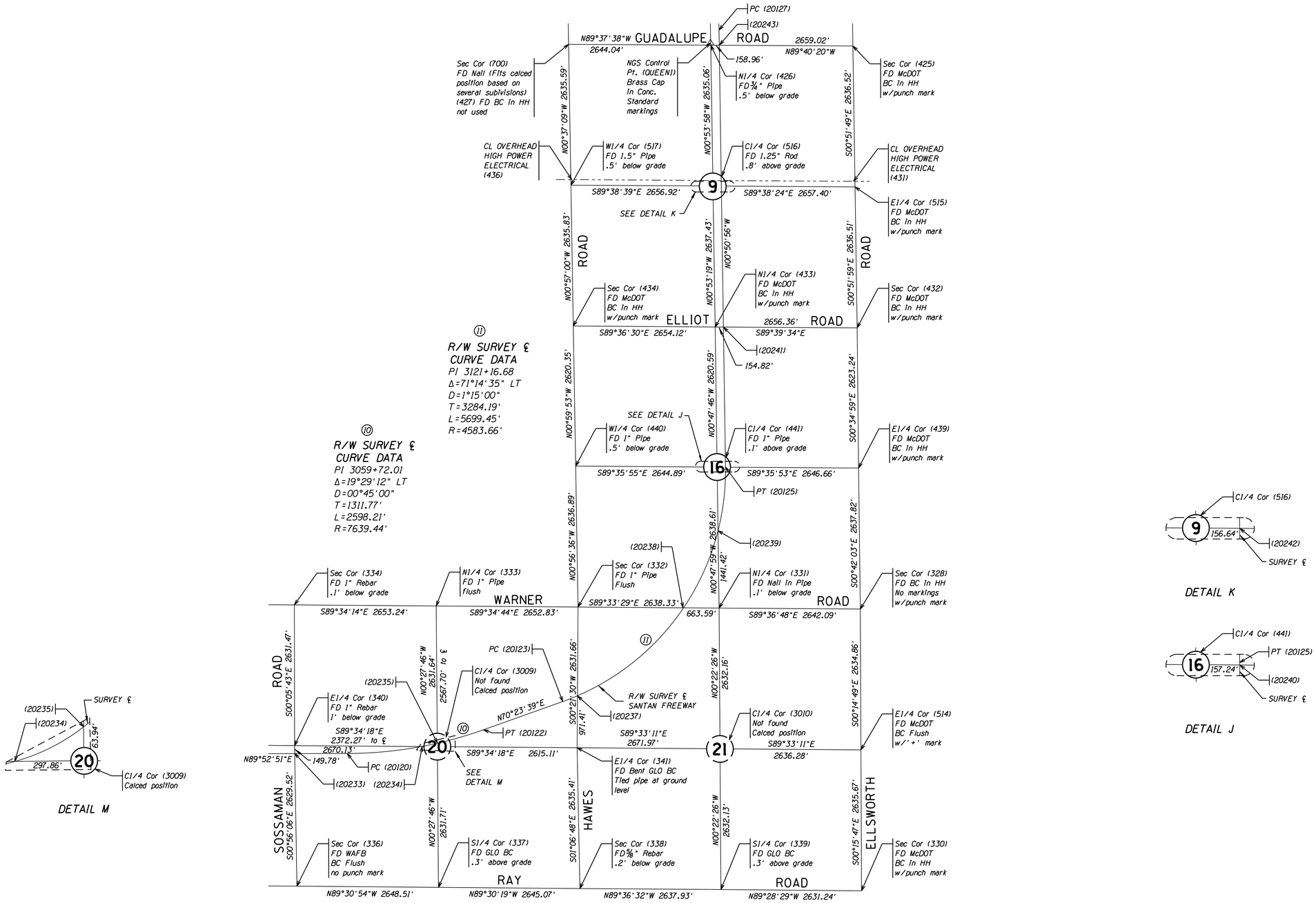
ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY: SANTAN FREEWAY
PROJECT NO.: RAM-600-7-801
TRACS NO.: 202L MA 000 H5325 01R
ROUTE: SR 202L
SECTION: Jct. S.R. 101L - Jct. U.S. 60

2021rw000.s04
SHEET 4 OF 6

ccccSYSTIMEccccc ccccDGNcSPECIFICATIONcccc

RESULTS OF SURVEY



REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION

DRAWING NO.	D-7-T-866
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DRAWN /DATE	JDC MAY 1999
CHECKED	BG MAY 1999

KEITH W. HUBBARD
PROFESSIONAL ENGINEER

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

HIGHWAY: SANTAN FREEWAY

PROJECT NO.: RAM-600-7-801

TRACS NO.: 202L MA 000 H5325 01R

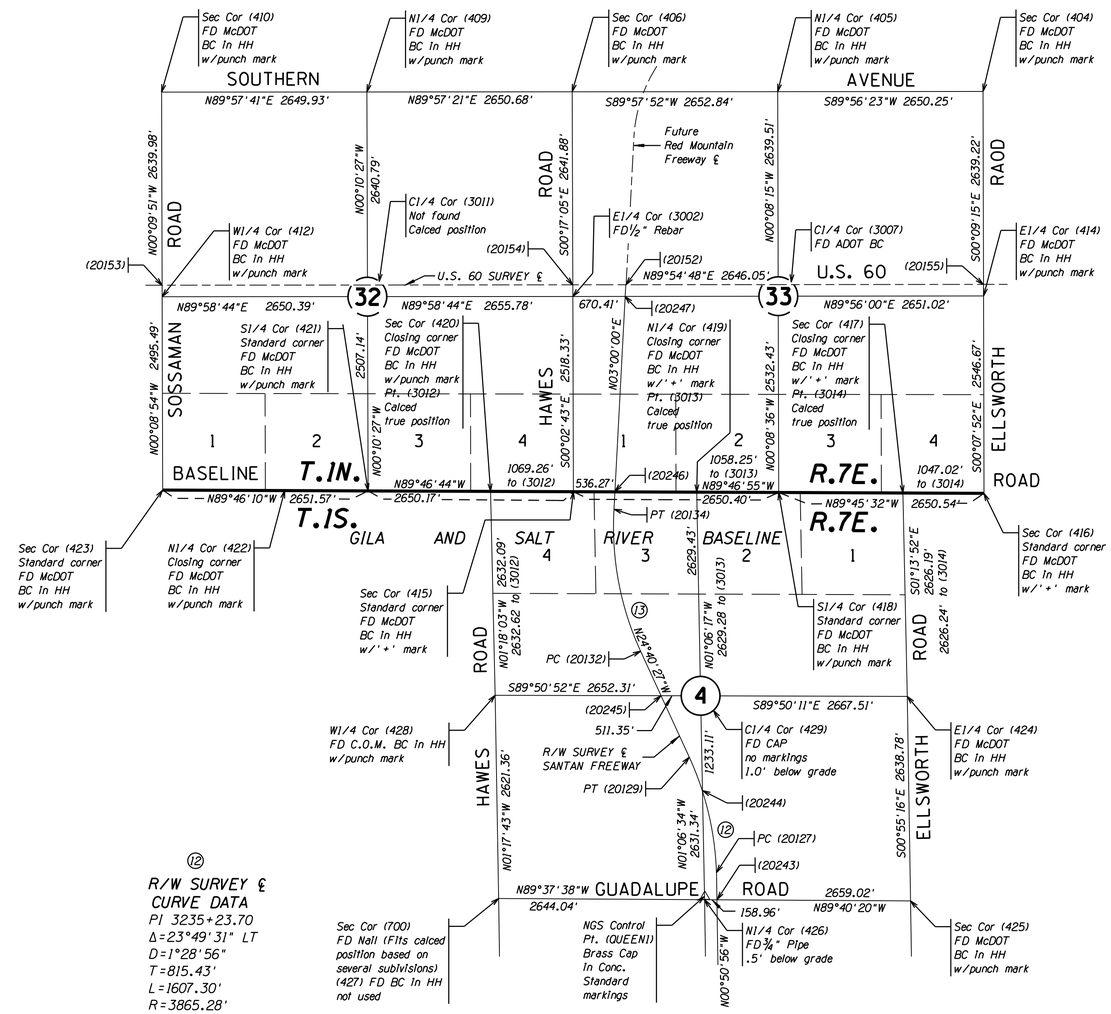
ROUTE: SR 202L

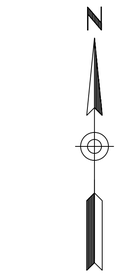
SECTION: Jct. S.R. 101L - Jct. U.S. 60

2021rw000.s05

ccccc SYSTIME ccccc ccccc DGN ccc SPECIFICATION ccccc

RESULTS OF SURVEY





MARICOPA CO
SCALE 1" = 1000'

(13)
R/W SURVEY ℄
CURVE DATA
PI 3267+65.18
Δ=27°40'27" RT
D=1°29'13"
T=949.16'
L=1861.28'
R=3853.53'

(12)
R/W SURVEY ℄
CURVE DATA
PI 3235+23.70
Δ=23°49'31" LT
D=1°28'56"
T=815.43'
L=1607.30'
R=3865.28'

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

HIGHWAY: SANTAN FREEWAY
PROJECT NO.: RAM-600-7-801
TRACS NO.: 202L MA 000 H5325 01R

2021rw000.s06

ccccSYSTIMEccccc ccccDGNcSPECIFICATONcccc