Sample of Results of Survey sheets portraying monumentation of existing R/W

Back in March of this year, I sent a series of emails out regarding the development of a new scope task and standard for monumenting unfound existing R/W corners, and portraying this information on the results of survey. I mentioned that once a representative sample was produced, I would send it out to everyone.

I have attached the March email as reference.

We now have a working sample.

Attached are various highlighted sheets of a results of survey that this task has been completed for. The items highlighted are items that were added or modified to the initial survey drawing, for this new task. Also attached for reference is the current revised portion of the boilerplate scope that pertains to the highlighted modifications of the drawing. The second sheet of the survey example shows another variation for a new monument that was set, for which the description does not match the standard detail.

Unless some unanticipated issues come up regarding this new task and the graphical representation thereof, the attached samples will be the working standard for this task unless otherwise notified in the future. It is uncertain at this time if a new "official" standards exhibit will be produced for this variation of the results of survey.

Daniel N. Miller, RLS ADOT R/W Plans Section Technical Leader/Project Manager 205 S.17th Ave, MD 612E Phoenix, Az. 85007 (602) 712-6174 DNMiller@azdot.gov To reflect the newly set monuments, the Results of Survey sheets will be revised as follows:

On the affected Results of Survey plan/corridor sheets:

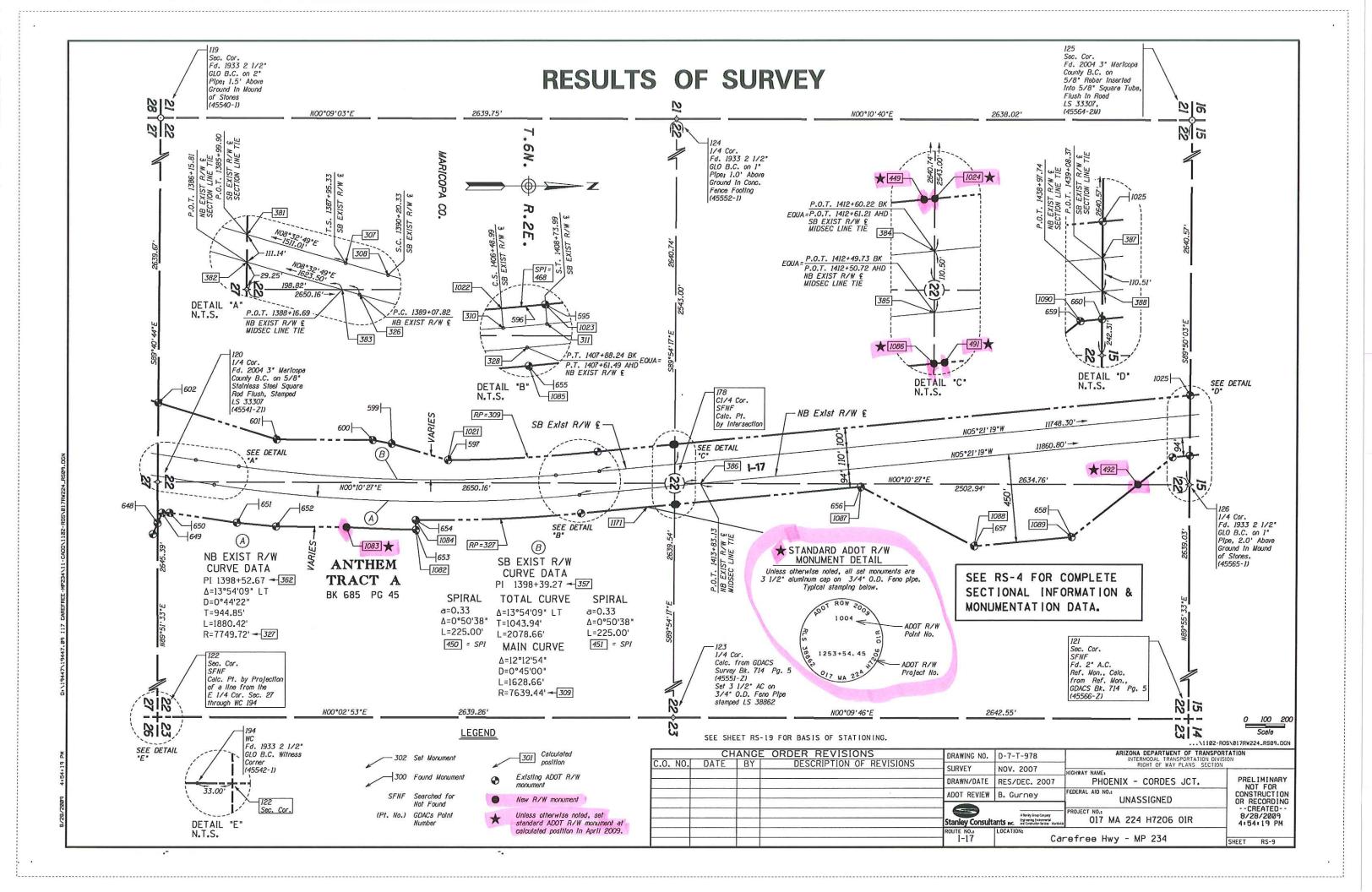
- a) Place the 'New R/W monument' symbol at all corners that a new monument is being placed;
- b) A filled-in star symbol will be placed by the calculated point number;
- c) Below or next to the legend, add the New R/W Monument symbol and text
- d) Below or next to the legend, add the star symbol with the description stated as "unless otherwise noted set standard ADOT R/W monument at calculated position in 'month/year' "
- e) Add the ADOT standard R/W monument detail to each affected sheet, with the star symbol next to it.

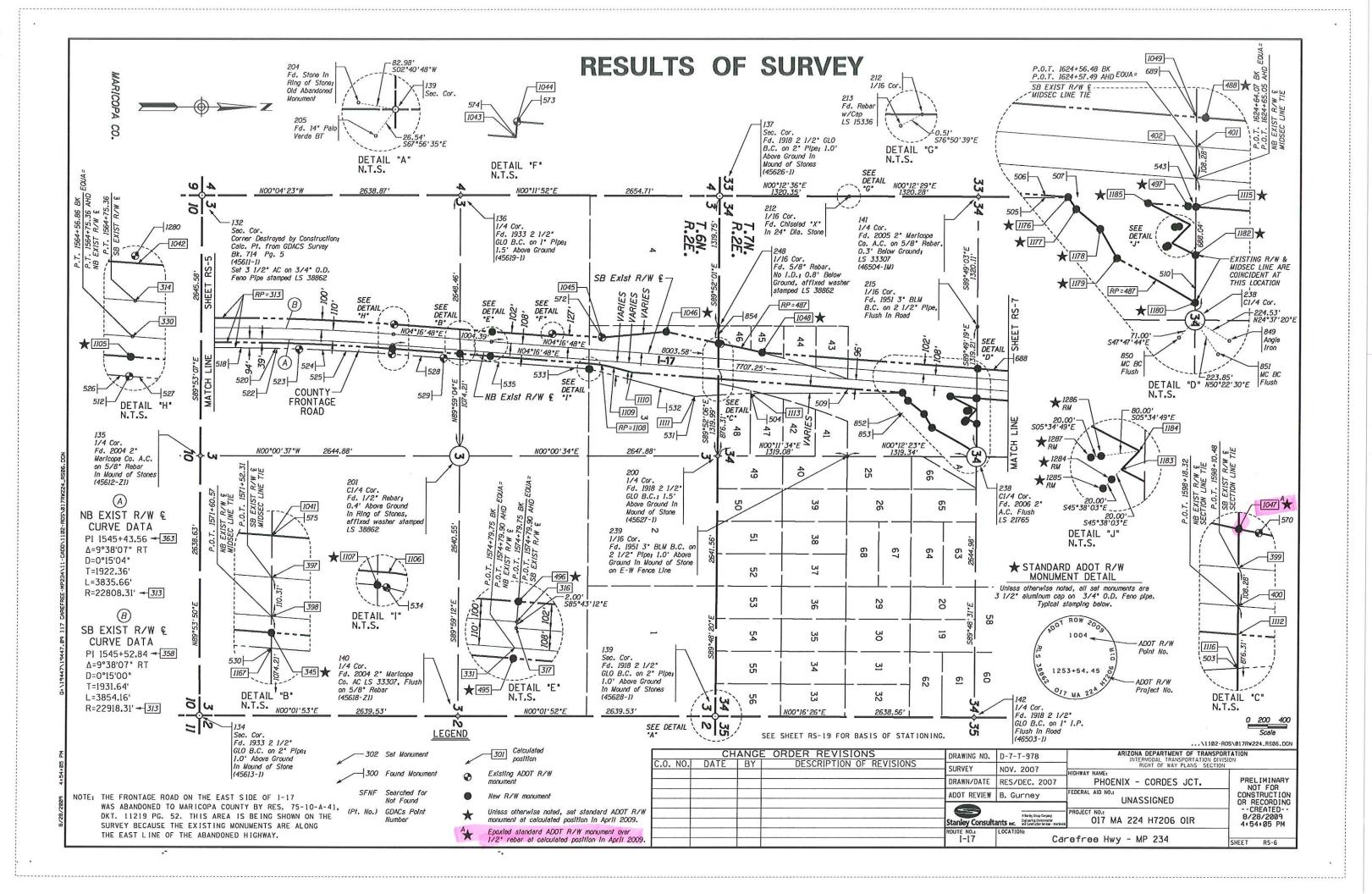
On the affected coordinate table sheets:

f) Add the star symbol next to each affected point in the calculated points table. Then add the star symbol below the table with the same description shown in d) above.

he Consultant shall:												
. Revise an estimated Results of Survey sheets as described above. Monument the Existing R/W as outlined above.												
t is estimated that a total of monuments will need to be staked. Of the nonuments, are to be Final R/W monuments set at Existing R/W corner locations, and are to be set at the discretion of the Consultant.												
The following items are included with this Scope of Work:												
. Highlighted set of Results of Survey indicating corner locations to be monumented.												
COMPLETION OF STAKING DUE BY,												
REVIEWS:												
REVIEW TIME FOR THE REVISED RESULTS OF SURVEY WILL BE TEN (10) WOR												
Note: Only 1 review will be associated with this task)												
A. INITIAL REVIEW DUE BY,												

The revised Results of Survey sheets and Survey Calculations shall be submitted for review when all phases of work have been accomplished. The Results of Survey sheets shall submitted to ADOT RW Plans for review <u>after</u> Consultant has completed a Quality Assurance check on all aspects of the Task. Sheets submitted for review which indicate that such a Quality Assurance Review has not been performed will be returned un-reviewed to Consultant for correction.





С	CALCULATE	D POINTS					R	RESL	JLTS	OF S	SUF	RVF	EY							
PT. NORTHING EASTING DESCRIPTION				CALCULATED POINTS (CONTINUED)														CALCULATED DOUTE (CONTINUE)		
191 1018205.	A TOTAL CONTRACTOR OF THE PROPERTY OF	33691.50233	(C)	PT. NORTHING EASTING DESCRIPTION			PT. NORTHING EASTING DESCRIPTION				PT. NORTHING EASTING DESCRIPTION				PT.	PT. NORTHING EASTING				
300 1017566. 301 1021247.	**************************************	33691.10130 33049.54059	KC35035	382	1034178.57497	631179, 40860		480	1067802.68444	632556. 12338			★ 1046	1054778, 22659	629998. 15819	(C)	★1121	1060592, 12899	630995. 21884	DESCRIPTION (C)
302 1017312.		10471.54917		383	1034377.22574	631209. 26395	2000000	481	1069395. 85308	632417. 27620	6 10,0300		★1047	1055316. 52097	630115.77775	VA.1551	¥1122	1062909.67195	631283.07508	(C)
303 1023895.	**************************************	32424. 23805	1000000	384	1036828.71892	631118.97986		482	1070591.49712	632629. 90897			*1048	1055758. 53528	630210.12252	(C)	1123	1061359.46538	630994.31332	(C)
304 1027883.	92840 63	31228, 29044	(C)	385	1036828.53534	631229. 47933	(C)	483	1071293.59788	632959.52784	(C)		1049	1057955.07486	630374.51075	(C)	★ 1124	1063235.20261	631357.93538	(C)
305 1031175.		42204. 63488	33070000	386	1036960. 36988	631217. 12086		484	1060491, 22232	631285.60922			1050	1059300.88682	630475.23084	(C)	★1125	1064774.02612		
306 1032878.		30872.74263		387	1039464. 32305	630871.91229		485	1033902.94702	630547, 47225			1051	1059602.21448	630468.70099	(C)	★ 1126	1065872.73269	632124.88170	109.0000
307 1034372.	28.0	31097. 31068	NY 323	388 389	1039464.00308	630982. 42454 630623. 81505	1	★ 486	1047379. 20454	630029.51472			1052	1059966. 76447	630427.26716	(C)	★ 1127	1066412.52687	632293.81040	
308 1034595. 309 1035619.		31129.65762 23559.16260	(C)	390	1042110.91110	630734. 30433		487 ★ 488	1053901.79723	637826.50621 630375.02456		1	1053 1054	1060172.98801 1060996.19800	630394.52804 630602.11164	(C)	★1128 ★1129	1067228. 82563	632389. 91500 632447. 69794	(C)
310 1036220.			(C)	391	1044747. 48991	630376. 65611		489	1060594. 01840	630500. 69658			1055	1063064.05765	630833.53539	(C)	¥1130	1067220.80913	632549. 84026	(c)
311 1036444.			(C)	392	1044747.18862	630487. 16661		★ 490	1032829, 19992	631198.93611			★1056	1063236. 72948	630859.21795	(C)	★ 1131	1067646.80391	632560. 49340	
312 1048141.			(C)	393	1047388.53785	630129.07821	(C)	★ 491	1036837.30865	631323.06902			1057	1065875.36525	631251.67870	(C)	★ 1132	1068107.47586	632529.56032	
313 1050280.	22397 65	52876.79515	(C)	394	1047388.31888	630239.58100	(C)	★ 492	1039199. 52424	631223.93149	(C)	ì	1058	1066136.76261	631290.55796	(C)	★ 1133	1069007.57639	632451.11513	(C)
314 1051990.		30022, 39739		395	1050023.73285	629959.91866		★ 493	1042119.60953	630827.89402			★1059	1066206.69766	631290.41664	(C)	★ 1134	1069585.55063	632420, 65086	
316 1052992.7		30097.35570	120 0200	396	1050023.51280	630069. 92808		494	1047397.09219	630333.17069			★ 1060	1066337. 92379	631290.15146	N 8/8	★ 1135	1070412, 26730	632567.67376	
317 1052992.0			(C)	397	1052665.69540	630072.91838	1,000,000	★ 495	1052981.10453	630245. 94018			* 1061	1068517.56959	631644.67022		* 1136	1070944. 29995	632795.54114	
318 1060973.3 319 1058835.3		500 BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	(C)	398 399	1052665. 72561 1055316. 15938	630183. 22827 630273. 28374		★ 496 ★ 497	1052999, 68763	629997. 63458 630674. 76595			1066	1020848. 92237	633330.00023 633316.84633		1137	1071016.65291	632829.50905	72542
319 1058835.3			(C)	400	1055315. 91079	630381.56717		498	1068515. 40038	632494. 00905			*1068	1020302. 24310	633250.51134		1139	1071438.41399	633017.37361 630385.30580	
321 1071132.0			(C)	401	1057954.77567	630470. 75683		499	1068516. 41266	632092. 40462			1069	1023504. 04205	632749. 60547		★ 1140	1062988. 78338	630822.44119	
322 1021266.		33157.90717		402	1057954.43908	630579.03367		585	1044407. 40342	630104.63714			1070	1023953. 98659	632619.64287		★ 1141	1063014.07071	630649.27782	
323 1023926.		32529.60339		403	1060593.42040	630668. 23205	(C)	666	1071114, 28874	632433. 45853	(C)		1071	1024742.84734	632383.10576		★ 1142	1063237.27091	630682.37335	
324 1027915.		31333.65578		404	1060592.96655	630795.38016		667	1059691,27762	629394.50049			1072	1025232.12038		(C)	★1143	1063089.80327		
325 1032861.8		30981.52099		405	1063236. 43247	630956, 22984	(F)	668	1059511.09247	629481.29516			1073	1026581.74985	631900.62053		1144	1066513.95678	632044. 25457	(C)
326 1034467.		31222. 80872		406	1063235.50445	631259.34408	1050 5000	907	1042109. 29487	630680, 08778			★1074	1027376. 98090		(C)	1145	1066717.18683	632078. 10360	
327 1035619.1		23559. 15594	5.57366	407	1063339. 24256	631284, 14824	165.385	908	1047388. 42662	630185. 20986			1075	1027942.51984	631423.69525		1146	1067003. 27227	632125.75264	WW. 1997
328 1036342.4 329 1048151.4		31275, 04794 30168, 04302		408	1065479.92366	631289, 91827 631348, 69075		1003 ★1004	1020845. 18325 1021230. 67464	633018. 20883 632951. 02552			★1076 ★1077	1028863.02121 1028913.60416	631189.52657 631179.03011	(C)	1147 1149	1067150.69824	632141.70364 632160.65049	(C)
330 1051982.4			(C)	410	1065873.03369	632024. 89453		1005	1023503.38105	632434.10884			¥1078	1031553. 41255		0.70	1150	1067779, 69533	632156.61071	(C)
331 1052984.0			(C)	411	1068517. 29667	631741, 68570		1006	1023866. 67385	632328. 45137			¥1079	1031724. 54928	630962. 89609		★ 1151	1068072, 74686	632131.07080	(C)
332 1059668.1			(C)	412	1068515.90652	632293. 20684		1007	1025134.46797	631948.30778			★ 1080	1032852.97794	631203.87719		1152	1068972.84740	632052.62561	(C)
333 1057957.			(C)	★ 413	1071120.56076	632031.82933		1008	1025556.89162	631790. 32595			1082	1035505.38224	631452.01433		1153	1069382.00803	632016.96661	(C)
334 1064812.2	22830 63	31692.40769	(C)	415	1044747.33686	630432.79167	(C)	1009	1025974.53329	631581.57864			★ 1083	1035147.28004	631438.76113	(C)	1154	1069592.66538	632020.71414	(C)
335 1066176.8		32120.11549		416	1026022.42623	631567.21811		★1010	1026070.31996	631552.85735			1084	1035502.36369	631402.00684	(C)	1156	1070543.47693	632189.80602	(C)
336 1066608.9			(C)	417	1026082.74095	631768. 37013		1011	1026562.65171	631488.75234		1917	1085	1036351.20355	631368.63762		1157	1070742.50996	632258.91763	(C)
338 1067640.8			(C)	1.0000	1026114.33438	631873. 73547	196 . 1989	1012	1026954, 41480	631402.60315			★1086	1036828.37846	631323. 90615		★1158	1071119.12151	632435. 72740	(C)
339 1068090.0		32328. 31748	10000000		1026211.92466	632199, 20298		★ 1013	1027675. 81186	631186.29479			1087	1037782. 44708	631234. 46957	10.000	1159	1071186.64169	632467. 42645	(C)
340 1067129.5 341 1067641.1		32340. 57822 32360. 57195	(C)		1033897.37485	630442.13978 629988.12612		1014	1027855. 20710 1028914. 45971	631132.50376 630868.70173			1088	1038363. 27288 1038861. 09035	631537. 58240 631490. 91585	1100000	1160	1071452.91937	632592.43720 632645.91162	(C)
342 1068090.1		32330. 31556			1033911.10263	630652.63624		★1016	1031554. 05950	630651, 69109	E 65		1090	1038861.09035		(C)	1163	1071586.79185	632833. 60597	(C)
343 1068990.2		32251.87037			1033940. 55391	631032, 40090		1017	1032410. 78050	630711.71124			★1091	1042110. 77223	630828. 72245		1164	1072359.66028		835
344 1069589.1		32220. 68250		426	1033975.97073	631489.08926	2000	1018	1033125. 98689	630676.76767			★1092	1042861.86367		(C)	1165	1072650. 99117	632902.64581	(C)
★345 1052665.7		30222. 33813		424	1033949.28210	631144.94803		1019	1034122.30680	630789.36690			★1093	1044278.81432	630858.65927	(C)	1166	1073724.37125	633052.66032	(C)
346 1071029.2	29435 63	32614. 49984	(C)	438	1059600.91598	629437.33925		★ 1020	1047391.95887	630278.41077	(C)		★ 1094	1044881.35584	630863.22085	(C)	1167	1052665.75143	630277.49308	(C)
347 1070477.8		32378. 73989	20000000	439	1060178.88966	630637. 20872	10000000	1021	1035669.09674	631098.43426	11000000		★1095	1045452.79037	630541.54799	(C)	1168	1017585.51621	633799.46788	(C)
348 1071101.6		32648. 46775		440	1060236.56829	630756, 94917		1022	1036212.18868	631075.23800			1096	1046248. 36499	630456. 92516	(C)	1169	1033392.12634	631308.39114	(C)
349 1071512.6		32831.64261	10000000	443	1059535.67091 1032906.06205	631502.32567 630687.51276		1023	1036434.83761	631055.46478			1097	1046246. 87166	630440. 99500	(C)	1171	1036688.27424	631337.03984	(C)
350 1072929.5 351 1072179.0		29284. 44191 33029. 70762		★ 449	1036819.38561	631019, 41637		★1024 1025	1036828.88581	631018.52580 630771.44660				1045722. 22859 1047021. 88591	630512.88867		1172		630478, 12851	
352 1072623.3		33100. 72071			1034520.78481	631119.60417		1025	1039546, 21734	630763. 79691				1047388. 24125	630313.10225 630278.75926		1174	1042563.21716	630786.30922 630195.31510	
353 1073696.6		33250. 73522		451	1036294.82398	631169.02840		1027	1040061.14934	630363. 99153				1047388. 13177	630334.01066		1175	1030520. 95304	630968. 50720	
355 1022590.2		32815. 59380		A STATE OF THE STA	1044748.53028	629995.05060		1028	1040558. 96681	630317.32498				1048155. 09277	630206. 87284			1057196. 29360	630618.56281	
356 1030341.2		30491. 46325		★ 453	1044746.24572	630833.02134	(C)	1029	1041139, 23261	630614.46400	(C)		THE COLUMN TWO IS NOT	1048160. 22609	630261.63277			1057252.59523	630700.10056	
357 1035404.7	79148 63	31252.46209	(C)		1065872.63633	632156.88802		★ 1030	1042110.97918	630523.37025	(C)		★ 1104	1050023. 43479	630108.93144	(C)	★ 1178	1057415.89767	630833.90626	
358 1050064.3		29878. 23766	DESCRIPTION 1		1064375.41545	632087. 99764		★ 1031	1043080. 32389	630432.50165			100 E 10	1051979.51954	630170.98192			1057497.70007	630973. 15871	
359 1062015.8		30774. 68736		305300	1063232.89935	632110, 23915		★ 1032	1044407. 48945	630105.12713	100000000000000000000000000000000000000			1053997. 45247	630322.00329		¥1180	1057952.41018	631231.70342	
360 1022615.5		32922. 83751		457 458	1060651.16004 1064598.45007	632160. 49820		1033	1044538. 26598	630007.45257				1053990, 05891	630376. 60377		★1182	1057953.34220	630931.88722	
361 1030349.2 362 1035401.7		30603. 90162 31363. 23364			1066481.09836	643544. 98283 632241. 53692		1034	1044589, 93750 1044815, 46979	630007.56795 630008.07159				1053894.83494	631693. 16872 630362. 87283		1183	1057858.50960 1057950.89981	630884.14123 630789.68286	(C)
363 1050065. 4		29988. 62281			1066684. 32842	632275. 38595		1035	1044873. 26514	630008. 01159				1054428. 23729	630411.40247		★ 1185	1057682.96328	630654.98499	(C)
364 1062296.8		30904. 01883		461	1067534.15769	628542. 35344		1037	1045690. 81188	630187. 78852			600 cc c	1055075. 09632		(C)	1186	1060588.80171	632161.71209	(C)
365 1067112.8		32413. 48019		3	1066980.30574	632324. 68253		★1038	1047388. 73691	630028.62113				1055315. 68982	630477, 81910	48	★ 1282	1068515.82896	632324.00959	(C)
366 1070058.5		32158.76245		463	1067791.18988	632356, 36704		1039	1048131.85351	629958.95968				1055644.89219	630622. 43373		★1283	1068515.77853	632344.00953	(C)
367 1071828.2	29394 63	32989.61029	(C)	464	1067383.74128	632391.87684	(C)	1040	1050023.93289	629859.91019				1057954. 13989	630675.27975		¥1284	1057844.52486	630898.43902	(C)
368 1018202.0		33580. 35298		465	1069388.93056	632217. 12312		1041	1052665.66794	629972.63667	(C)		1 100 TO	1055315.31544	630640.89471		★1285	1057830, 54011	630912.73682	(C)
369 1020846.3		33119.50443			1042101.57779	630524. 25156		1042	1051998. 10195	629922.67627				1059278. 11791	630774.36579		★1286	1057871.59892	630800, 23599	E 857
370 1020847.7		33230, 92959		468	1036286. 22378	631069.39618		1043	1053616. 85909	630043.82347				1060240, 16767	630994. 85036		★1287	1057851.77370	630802.87427	(C)
371 1023503.5		32537. 92623			1069538. 15235 1071373. 25863	635085.01827			1053618, 73454	630018.89391				1060270.54580	631057.91516					
372 1023503.8 373 1026267.7		32652. 08487 31712. 89051			1072326. 14206	632775.98252 633059.18904		1045	1054120. 69887	630056. 46074	(()		1120	1060400. 23283	630995.44530	(()			\1102-R	OS\017RW224_RS12.DGN
374 1026267.3		11827. 85201			1070667. 00354	632444. 42171				СН	ANGE	ORDER	R REVIS	SIONS	DRAWING N	D-7-T-079	. 1		PARTMENT OF TRANSPOR	RTATION
375 1028024.0		31187. 24279			1065435. 35926	632067. 36358			C.O.	NO. DATE				N OF REVISIONS	0.0000000000000000000000000000000000000	0. D-7-T-978		INTERMOD	OAL TRANSPORTATION DIVI	SION
376 1028446.4		31188.39262			1066463. 31095	632209. 90437			5.0						SURVEY	NOV. 2007	/ HIGHW	AY NAME:	- HALLERIA SECTION	
377 1028914.1		10970. 74521		475	1067790. 92140	632354.38286	(C)								DRAWN/DAT	E RES/DEC.	2007	PHOENIX - CO	ORDES JCT.	PRELIMINARY NOT FOR
378 1028913.8	86881 63	1083.03595	(C)		1071120. 21510	632128.83399									ADOT REVI	W B. Gurney	FEDER	AL AID NO.:		
379 1031553.8		0751.73829			1071118. 33551	632656. 30245												UNASSI	GNED	OR RECORDING
380 1031553.6		0861.79118			1026268. 43069	631527, 06196										A String Gro	out Company	CT NO.:	7200 010	CREATED 8/28/2009
381 1034179.1	13101 63	1068. 26682	(C)	479	1026266.09067	632182.96149	1 (1)									sultants no. Maria	enconeta for Series - Northida	017 MA 224 H	1206 UIK	4:54:32 PM
Unless otherwise noted,	set standard	ADOT R/W monu	ument at calculated	d position in	April 2009. See she	ets RS-2 to RS-11	for detailed monun	ment Information). <i>(</i>						ROUTE NO.:	LOCATION:	Carefr	ee Hwy - MP	234	
									13						1 17		COI OII	OS TIMES WIFE	207	SHEET RS-12