

Va State Plane South

Lat/ Long

Point Number	Description	Easting (X)	Northing (Y)	Elevation (Z)	Northing(Y)	Easting(X)
BASE		11474223.9206	3899894.80101	530.725691	38.033554	-78.530179
TS2	CP	11474180.5264	3899888.26903	532.831321	38.033536	-78.53033
CP1	CP	11474341.4964	3899849.91223	513.964409	38.033431	-78.529771
CP1CHECK	CP	11474343.2372	3899854.10622	513.893601	38.033442	-78.529765
TS2CHECK	CP	11474182.309	3899892.4657	532.240369	38.033547	-78.530324
TS4	CP	11474335.1388	3900001.21211	527.62924	38.033846	-78.529793
TS2CHECK2	CP	11474182.3469	3899892.3493	532.46042	38.033547	-78.530324
ts1	CP	11474363.7627	3899837.57189	511.117422	38.033397	-78.529694
ts2	CP	11474182.3448	3899892.29532	532.556219	38.033547	-78.530324
ts3	CP	11474179.2964	3900064.40431	532.721043	38.034019	-78.530334
ts4	CP	11474335.1388	3900001.21211	527.62924	38.033846	-78.529793
ts5	CP	11474372.6554	3900049.37157	527.860348	38.033978	-78.529663
ts6	CP	11474317.8457	3900146.14747	529.908155	38.034244	-78.529854
ts7	CP	11474448.8345	3900099.37948	531.169316	38.034116	-78.529399
ts8	CP	11474463.6923	3900171.42036	532.965722	38.034314	-78.529347
ts9	CP	11474175.5946	3900100.07528	530.736354	38.034117	-78.530347
ts2ck	CP	11474182.322	3899892.21224	532.537132	38.033547	-78.530324
ts2ck2	CP	11474182.2503	3899892.36073	532.464357	38.033547	-78.530324
1	tail1 BEG	11474372.2563	3899892.98836	539.794191	38.033549	-78.529664
2	tail1	11474372.5551	3899893.05399	539.943282	38.033549	-78.529663
3	tail1	11474372.8324	3899893.11098	539.962751	38.033549	-78.529662
4	tail1	11474373.6095	3899897.21686	541.740404	38.033561	-78.52966
5	tail /rivet line	11474372.895	3899893.08486	539.896778	38.033549	-78.529662
6	tail	11474373.739	3899893.28478	539.965343	38.03355	-78.529659
7	tail	11474374.3769	3899893.39176	540.007067	38.03355	-78.529657
8	tail	11474374.9892	3899893.54199	540.047534	38.03355	-78.529655
9	tail	11474375.7499	3899893.61037	540.14038	38.033551	-78.529652
10	tail	11474376.422	3899893.68093	540.200723	38.033551	-78.52965
11	tail	11474376.5142	3899893.72554	540.255467	38.033551	-78.52965
12	tail	11474376.5256	3899893.67	540.066865	38.033551	-78.52965
13	tail	11474376.4925	3899893.65047	540.025928	38.033551	-78.52965
14	tail	11474376.5061	3899893.72913	539.884841	38.033551	-78.52965
15	tail	11474376.5282	3899893.78588	539.79046	38.033551	-78.52965
16	tail	11474376.5753	3899893.88242	539.47889	38.033551	-78.529649
17	tail	11474376.5964	3899893.91439	539.335621	38.033551	-78.529649
18	tail	11474376.5401	3899893.76651	539.242625	38.033551	-78.52965
19	tail	11474376.4735	3899893.47729	539.068913	38.03355	-78.52965
20	tail	11474376.6216	3899893.78098	539.804167	38.033551	-78.529649
21	tail	11474376.8754	3899893.79955	539.831601	38.033551	-78.529648
22	tail	11474377.1625	3899893.84522	539.825926	38.033551	-78.529647
23	tail	11474377.1773	3899893.90726	539.561742	38.033551	-78.529647
24	tail	11474376.9278	3899893.9055	539.494028	38.033551	-78.529648
25	tail	11474376.65	3899893.89365	539.463942	38.033551	-78.529649
26	tail	11474377.6943	3899891.7132	538.812999	38.033545	-78.529645
27	tail	11474378.0806	3899891.74412	538.924737	38.033546	-78.529644
28	tail	11474380.3014	3899893.52419	540.138915	38.03355	-78.529636
29	tail	11474376.9336	3899894.28032	540.70785	38.033552	-78.529648
30	tail	11474376.9081	3899894.17299	541.223487	38.033552	-78.529648
31	tail	11474376.8735	3899894.02531	541.673528	38.033552	-78.529648
32	tail	11474374.6797	3899892.99612	540.379349	38.033549	-78.529656
33	tail	11474374.8883	3899892.80975	540.304517	38.033548	-78.529655
34	tail	11474376.4588	3899893.53708	541.025257	38.03355	-78.52965
35	tail	11474377.1659	3899894.05973	541.493672	38.033552	-78.529647
36	tail	11474373.033	3899893.76913	539.306515	38.033551	-78.529662
37	tail	11474372.7923	3899893.98632	539.458552	38.033552	-78.529663
38	tail	11474372.5395	3899893.00773	539.799723	38.033549	-78.529663
39	tail	11474372.4745	3899893.24003	539.845458	38.03355	-78.529664
40	tail	11474372.2707	3899893.00667	539.745801	38.033549	-78.529664
41	treetop	11474374.6934	3899898.42883	549.466491	38.033564	-78.529656
48	Reference Point	11474305.9894	3899867.43275	519.01775	38.033479	-78.529894
49	target	11474347.9628	3899902.62402	523.378372	38.033575	-78.529749
50	target	11474347.9627	3899902.62306	517.79964	38.033575	-78.529749
51	target	11474332.4944	3899839.62117	521.192327	38.033402	-78.529802
52	target	11474332.4776	3899839.63629	515.610384	38.033402	-78.529802
70	helo /center between seats	11474461.6761	3900077.05179	528.554217	38.034054	-78.529354
71	TREE	11474429.7308	3900025.77888	584.200026	38.033914	-78.529465
72	TREE	11474446.4704	3900047.23397	558.697596	38.033973	-78.529407
74	TREE	11474446.8254	3900047.59174	526.365009	38.033974	-78.529406
75	TREE	11474428.1136	3900027.69076	526.696664	38.033919	-78.529471
EV1	EV	11474507.4685	3900147.3404	533.083918	38.034247	-78.529195
EV2	EV	11474492.8646	3900115.04752	531.05816	38.034159	-78.529246
EV3	EV	11474546.6028	3900128.94193	530.330762	38.034197	-78.529059
EV4	EV	11474528.7099	3900165.04103	533.88453	38.034296	-78.529121

EV5	EV		11474409.1542	3900177.3772	531.609112		38.03433	-78.529537
EV6	EV		11474408.6175	3900201.3394	530.149665		38.034396	-78.529538
EV7	EV		11474384.7881	3900179.91772	530.598982		38.034337	-78.529621
EV8	EV		11474406.4215	3900132.11799	532.458707		38.034206	-78.529546
EV9	EV		11474403.5571	3900136.12335	532.19848		38.034217	-78.529556
EV10	EV		11474345.7234	3900132.24224	530.736277		38.034206	-78.529757
EV11	EV		11474303.5084	3900108.51335	531.358912		38.034141	-78.529903
EV12	EV		11474213.8384	3900009.51726	533.810596		38.033869	-78.530215
EV13	EV		11474195.2453	3899969.78751	534.650853		38.03376	-78.530279
EV14	EV		11474248.2675	3900038.68923	532.304517		38.033949	-78.530095
EV15	EV		11474325.8187	3900031.85192	528.115957		38.03393	-78.529826
EV16	EV		11474345.3695	3900016.57867	527.483194		38.033888	-78.529758
EV17	EV		11474345.3249	3900033.18128	527.338187		38.033934	-78.529758
EV18	EV		11474323.1668	3900083.90042	530.507267		38.034073	-78.529835
EV19	EV		11474337.83	3900096.17307	530.560629		38.034107	-78.529784
EV20	EV		11474348.2533	3900077.83908	530.141622		38.034057	-78.529748
EV21	EV		11474357.5633	3900088.51822	531.790538		38.034086	-78.529716
EV22	EV		11474385.5609	3900086.79472	530.83017		38.034081	-78.529618
EV23	EV		11474395.9664	3900072.28752	530.729836		38.034041	-78.529582
EV24	EV		11474371.7519	3900057.60093	528.559391		38.034001	-78.529666
EV25	EV		11474364.0935	3900023.62785	526.209456		38.033908	-78.529693
EV26	EV		11474401.8017	3900031.10827	526.851873		38.033928	-78.529562
EV27	EV		11474378.1989	3900320.75073	514.508436		38.034724	-78.529644
EV28	EV		11474375.3765	3900205.04373	527.88264		38.034406	-78.529654
EV29	EV		11474369.3361	3900224.16666	529.782541		38.034458	-78.529675
EV30	EV		11474308.6641	3900219.70498	529.782541		38.034446	-78.529886
EV31	EV		11474267.414	3900172.0099	529.667375		38.034315	-78.530029
EV32	EV		11474281.1743	3900130.02335	532.13523		38.0342	-78.529981
EV33	EV		11474303.6346	3900111.17703	531.366139		38.034148	-78.529903
EV34	EV		11474334.9596	3900154.91054	529.735331		38.034268	-78.529794
EV35a	EV		11473956.6601	3900037.33938	534.63906		38.033945	-78.531107
EV35b	EV		11473955.7671	3900037.62285	534.600694		38.033946	-78.531111
EV36	EV		11474199.15	3900054.92277	533.232223		38.033993	-78.530266
EV37 - no data								
EV38 - no data								
EV39	EV		11474318.642	3899996.16802	527.645578		38.033832	-78.529851
EV40	EV		11474302.0088	3899985.34738	527.375391		38.033802	-78.529908
EV41	EV		11474436.8818	3900067.92619	528.479843		38.034029	-78.52944