

RUNWAY 13 OBSTRUCTION TABLE

Obstruction Number	Obstruction Type	Northing (ft)	Eastng (ft)	Ground Elevation (ft)	Obstruction Elevation (ft)	Max Penetration (ft)	Existing 13 Foot 77 Iner Approach Surface Penetration (ft)	Existing 13 Milegaph Qualification Surface (ft)	Existing 13 TSSR Deaprture Surface/OCs Penetration (ft)	Proposed Disposition
4415	TREETOP	357443.039	252875.113	882.2	740.9	34.9	-	-	34.9	TRM
4418	UTILITY POLE	358847.838	252700.924	714.4	753.9	6.7	-	-	6.7	MARK/UGHT
4420	TREETOP	358396.002	252833.347	887.3	756.0	23.9	-	-	23.9	TRM
4443	TREETOP	357756.800	252882.434	887.3	760.9	23.2	-	-	23.2	TRM
4442	TREETOP	357795.625	252880.705	888.8	755.9	25.5	-	-	25.5	TRM
4447	TREETOP	357569.456	252900.793	881.8	741.4	28.2	-	-	28.2	TRM
4445	TREETOP	358275.843	252815.714	701.0	763.2	30.1	25.0	-	30.1	TRM
4446	TREETOP	358772.791	252833.602	712.9	772.0	10.6	-	-	10.6	TRM
4443	TREETOP	358036.149	252877.407	887.2	765.7	36.3	31.7	-	36.3	TRM
4442	TREETOP	358751.480	252899.329	712.1	744.9	11.1	-	-	11.1	TRM
4445	TREETOP	358236.835	252854.887	883.9	763.8	41.8	-	-	41.8	TRM
4449	TREETOP	358233.806	252828.322	886.5	751.2	23.8	-	-	23.8	TRM
4450	TREETOP	357465.559	252880.771	883.8	740.9	42.1	41.6	-	42.1	TRM
4449	TREETOP	357555.429	252840.063	882.5	765.0	11.9	-	-	11.9	TRM
4523	TREETOP	358700.080	252802.226	886.4	742.4	1.8	-	-	1.8	TRM
4512	TREETOP	357775.746	252846.687	886.1	744.4	26.1	23.6	-	26.1	TRM
4515	TREETOP	357868.126	252820.999	886.2	753.0	6.9	3.1	-	6.9	TRM
4510	TREETOP	357905.885	252862.432	884.0	748.6	36.4	35.0	-	36.4	TRM
4512	TREETOP	358607.769	252811.762	709.8	772.9	12.3	-	-	12.3	TRM
4517	TREETOP	358666.555	252805.627	710.4	768.9	25.6	-	-	25.6	TRM
4530	TREETOP	358342.936	252833.578	886.8	769.3	38.3	33.6	-	38.3	TRM
4538	TREETOP	358467.382	252828.855	704.9	758.0	19.3	-	-	19.3	TRM
4602	UTILITY POLE	358335.505	252793.176	701.1	740.9	2.6	-	-	2.6	MARK/UGHT
4603	TREETOP	357876.946	252883.822	886.2	750.9	40.3	-	-	40.3	TRM
4622	ROAD	356687.910	2529497.207	872.9	887.9	10.3	10.3	-	10.3	MARK/UGHT
4644	ROAD	356587.436	2529297.448	876.8	886.8	6.5	6.5	-	6.5	MARK/UGHT
4645	TREETOP	358379.496	252738.523	882.2	753.5	0.3	-	-	0.3	TRM
4652	TREETOP	357825.824	252826.729	885.8	753.0	0.0	5.6	-	5.6	TRM
4646	TREETOP	358215.460	252790.858	885.6	740.2	12.7	7.1	-	12.7	TRM
4678	ROAD	356583.883	2529355.849	889.8	886.0	2.6	2.6	-	2.6	MARK/UGHT
4679	ROAD	356670.783	2529318.004	872.9	886.8	11.6	11.6	-	11.6	MARK/UGHT
4697	TREETOP	358373.084	2527270.752	882.4	755.3	3.8	-	-	3.8	TRM
4700	TREETOP	357619.545	252834.847	881.7	725.5	6.7	4.3	-	6.7	TRM
4712	TREETOP	358635.576	2527891.526	885.5	744.9	10.3	4.3	-	10.3	TRM
4725	ROAD	356648.378	2529349.531	871.8	887.0	6.7	6.7	-	6.7	MARK/UGHT
4735	TREETOP	357111.071	2528388.268	873.7	714.0	0.8	-	-	0.8	TRM
4737	TREETOP	358245.485	2527354.846	881.1	750.7	2.7	-	-	2.7	TRM
4749	TREETOP	357842.232	252894.886	887.3	754.8	1.8	-	-	1.8	TRM
4749	ROAD	356624.091	2529237.978	871.5	886.9	6.6	6.6	-	6.6	MARK/UGHT
4754	ROAD	356624.276	2529335.827	871.8	887.0	6.9	6.9	-	6.9	MARK/UGHT
4754	ROAD	356684.066	2529355.929	886.6	886.1	2.9	2.9	-	2.9	MARK/UGHT
4758	ROAD	356620.877	2529324.136	876.7	886.2	3.0	3.0	-	3.0	MARK/UGHT
4758	TREETOP	357130.882	2528205.017	874.4	719.1	5.5	4.1	-	5.5	TRM
4759	ROAD	356632.318	2529242.384	871.2	886.4	3.8	3.8	-	3.8	MARK/UGHT
4760	ROAD	356684.385	2529347.130	871.9	886.7	5.7	5.7	-	5.7	MARK/UGHT
4761	FENCE	356176.508	2529465.527	872.2	884.4	8.2	8.2	-	8.2	MARK/UGHT
4832	LIGHT POLE	356631.623	2529499.708	872.8	754.9	28.2	28.2	-	28.2	MARK/UGHT
4834	ROAD	356697.989	2529463.444	872.8	887.9	8.5	8.5	-	8.5	MARK/UGHT
4836	ROAD	356693.808	2529398.484	870.9	887.0	6.2	6.2	-	6.2	MARK/UGHT
4840	TREETOP	358405.885	2527748.545	700.9	750.1	7.1	0.4	-	7.1	TRM
4848	TREETOP	357880.614	2528216.067	884.7	741.7	17.5	14.0	-	17.5	TRM
4852	TREETOP	357758.504	2528362.454	873.8	714.0	0.7	-	-	0.7	TRM
4867	TREETOP	357738.460	2527780.186	887.1	736.8	4.2	3.1	-	4.2	TRM
4870	TREETOP	357711.842	2527788.508	876.1	737.3	6.4	1.8	-	6.4	TRM
4872	TREETOP	357447.943	2528647.801	876.7	751.4	41.1	40.1	-	41.1	TRM
4897	TREETOP	357739.634	2527784.793	874.3	731.3	2.5	-	-	2.5	TRM
4902	ROAD	356697.607	2529457.380	872.2	887.9	10.8	10.8	-	10.8	MARK/UGHT
4922	TREETOP	358215.675	2527971.450	887.7	742.9	1.6	4.4	-	1.6	TRM
4938	UTILITY POLE	357559.488	2528383.675	881.2	720.6	3.5	3.3	-	3.5	MARK/UGHT
4948	ROAD	356688.361	2529316.267	873.1	886.1	10.7	10.7	-	10.7	MARK/UGHT
4975	TREETOP	357712.968	2528293.394	882.7	723.4	2.1	-	-	2.1	TRM
4990	TREETOP	357735.754	2527954.943	882.3	732.7	3.3	-	-	3.3	TRM
5029	ROAD	356676.331	2529350.776	871.8	886.4	11.0	11.0	-	11.0	MARK/UGHT
5030	ROAD	356610.632	2529383.632	873.1	886.6	14.2	14.2	-	14.2	MARK/UGHT
5043	ROAD	356638.782	2529395.521	871.6	886.3	3.1	3.1	-	3.1	MARK/UGHT
5072	TREETOP	357861.254	2528323.525	881.1	725.2	2.0	-	-	2.0	TRM
5083	TREETOP	357814.129	2528351.888	872.8	713.9	2.1	1.8	-	2.1	TRM
5085	FENCE	356578.381	2529254.823	872.8	885.3	10.9	10.9	-	10.9	MARK/UGHT
5090	TREETOP	358364.908	2527448.624	879.4	754.7	1.0	-	-	1.0	TRM
5096	TREETOP	357609.813	2528366.168	881.7	721.0	2.6	0.2	-	2.6	TRM
5112	TREETOP	357532.763	2528564.642	883.9	728.2	17.3	16.0	-	17.3	TRM
5114	TREETOP	357648.802	2528491.329	882.8	720.5	18.0	13.9	-	18.0	TRM
5115	TREETOP	358525.475	2527897.480	880.0	748.1	2.3	-	-	2.3	TRM
5127	TREETOP	358023.877	2527833.438	888.5	740.2	4.8	-	-	4.8	TRM
5128	ROAD	356601.308	2529177.237	870.2	886.5	3.3	3.3	-	3.3	MARK/UGHT
5137	TREETOP	358731.053	2527424.380	886.9	738.7	4.3	-	-	4.3	TRM
5144	FENCE	356731.985	2529312.216	870.8	887.7	4.2	4.2	-	4.2	MARK/UGHT
5156	ROAD	356692.287	2529323.090	870.5	886.7	4.4	4.4	-	4.4	MARK/UGHT
5163	TREETOP	357806.211	2528325.538	884.3	724.3	2.0	-	-	2.0	TRM
5166	ROAD	356590.311	2529433.156	871.8	887.3	10.0	10.0	-	10.0	MARK/UGHT
5175	UTILITY POLE	357874.294	2528362.748	881.5	722.1	8.7	7.1	-	8.7	MARK/UGHT
5178	TREETOP	358739.545	2527988.297	887.6	740.9	4.1	-	-	4.1	TRM
5202	ROAD	356610.764	2529388.090	873.1	886.6	14.3	14.3	-	14.3	MARK/UGHT
5212	TREETOP	357730.283	2528330.874	883.3	735.2	14.3	11.4	-	14.3	TRM
5254	ROAD	356664.769	2529302.755	871.6	886.9	5.2	5.2	-	5.2	MARK/UGHT
5263	ROAD	356590.834	2529454.338	872.0	887.5	10.8	10.8	-	10.8	MARK/UGHT
5264	TREETOP	358263.396	2527960.892	701.1	741.1	1.0	-	-	1.0	TRM
5265	UTILITY POLE	358221.258	2527920.257	887.3	737.5	0.8	-	-	0.8	MARK/UGHT
5271	TREETOP	357731.511	2527934.007	874.6	736.4	0.4	-	-	0.4	TRM
5277	TREETOP	357640.265	2528319.654	882.8	732.2	16.3	14.4	-	16.3	TRM
5283	TREETOP	357635.585	2528312.589	872.2	712.7	2.0	1.0	-	2.0	TRM
5286	TREETOP	357636.902	2528344.821	871.8	738.5	7.9	-	-	7.9	TRM
5288	TREETOP	358029.843	2527976.864	880.4	740.7	12.3	7.1	-	12.3	TRM
5290	TREETOP	357879.641	2528388.936	877.2	716.2	0.2	-	-	0.2	TRM
5295	ROAD	356652.769	2529357.880	872.9	886.4	12.2	12.2	-	12.2	MARK/UGHT
5297	ROAD	356684.188	2529381.479	872.1	887.0	6.7	6.7	-	6.7	MARK/UGHT
5298	ROAD	356631.411	2529254.584	870.1	887.0	11.4	11.4	-	11.4	MARK/UGHT
5309	TREETOP	357885.856	2528320.076	872.3	715.5	4.4	3.3	-	4.4	TRM
5310	TREETOP	358013.155	2528172.873	886.5	738.4	9.9	5.7	-	9.9	TRM
5311	LIGHT POLE	356629.827	2529390.409	871.7	754.0	24.3	24.3	-	24.3	MARK/UGHT
5323	ROAD	356697.749	2529312.316	871.6	887.4	8.4	8.4	-	8.4	MARK/UGHT
5327	TREETOP	358354.544	2527939.071	883.0	761.9	1.1	-	-	1.1	TRM
5343	ROAD	356627.889	2529496.836	872.5	887.8	11.2	11.2	-	11.2	MARK/UGHT
5350	TREETOP	358184.062	2527483.362	883.0	743.9	0.3	-	-	0.3	TRM
5355	UTILITY POLE	357954.659	2528382.430	880.7	726.5	1.5	-	-	1.5	MARK/UGHT
5361	TREETOP	357797.965	2528317.278	884.2	736.3	18.7	18.7	-	18.7	TRM
5363	TREETOP	357526.619	2528633.071	883.2	719.8	4.1	2.9	-	4.1	TRM
5387	ROAD	356607.326	2529445.821	872.1	887.8	10.4	10.4	-	10.4	MARK/UGHT
5402	TREETOP	357734.086	2528211.417	883.8	726.1	3.0	-	-	3.0	TRM
5412	TREETOP	357767.834	2528295.508	873.2	713.6	1.2	-	-	1.2	TRM
5420	TREETOP	357765.024	2528162.342	885.6	720.3	26.6	26.6	-	26.6	TRM
5415	ROAD	356622.582	2529266.800	871.1	886.6	5.0	5.0	-	5.0	MARK/UGHT
5444	TREETOP	357451.378	2528754.758							

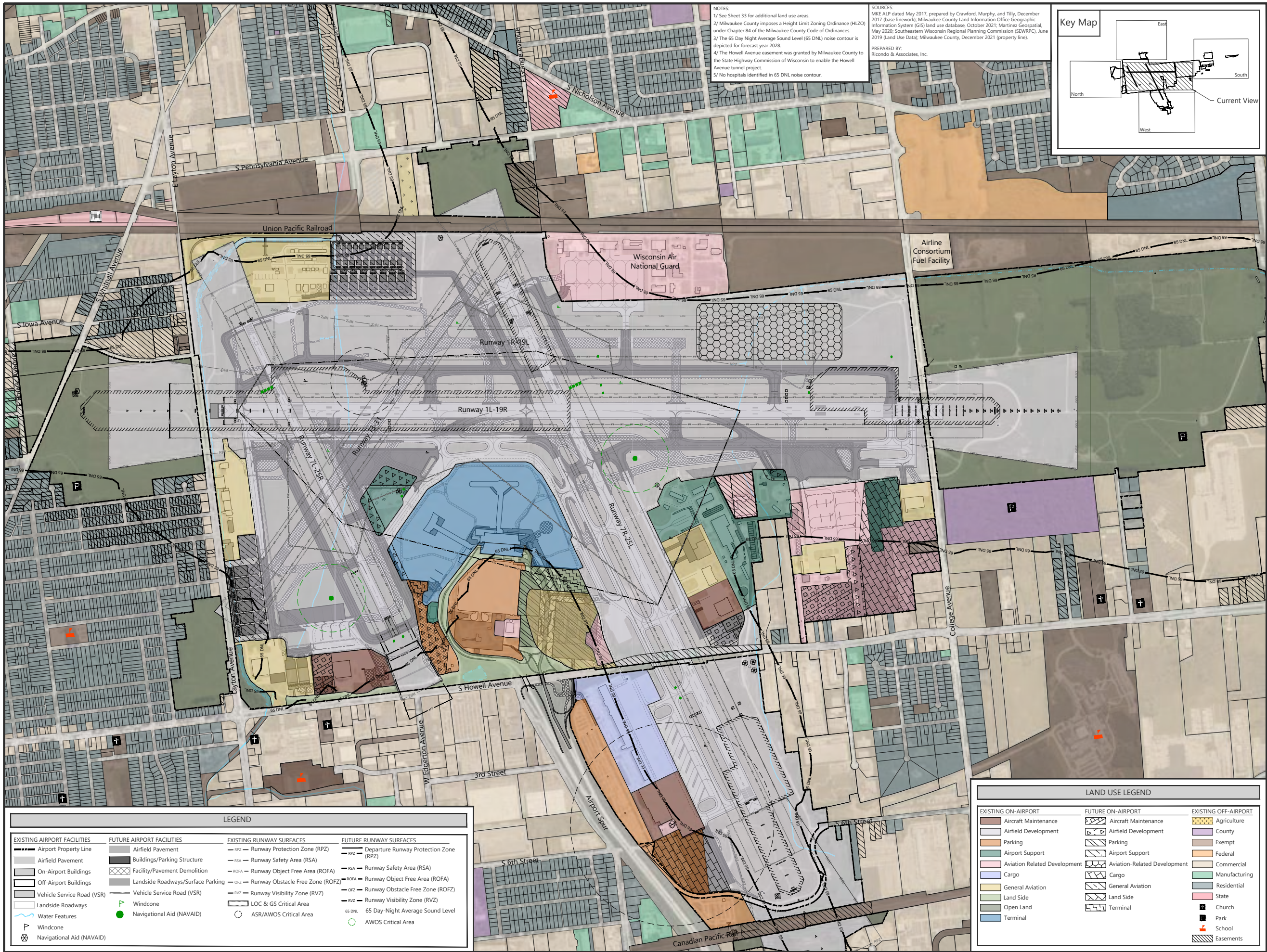
Station Number	Obstruction Type	Northing (ft)	Easting (ft)	Ground Elevation (ft)	Obstruction Elevation (ft)	Main Restriction (ft)	Existing 15' Right of Way Approach Surface Projection (20:1) (ft)	Existing 15' Right of Way Qualification Surface Projection (20:1) (ft)	Existing 15' Right of Way Qualification Surface Projection (20:1) (ft)	Existing 15' Right of Way Qualification Surface Projection (20:1) (ft)	Proposed Disposition
5030	TRETOP	251039.225	251007.309	672.7	721.7	4.7	0.3	-	-	4.7	TRM
5031	TRETOP	251097.120	251001.025	676.6	732.2	3.8	-	-	-	3.8	TRM
5032	TRETOP	251217.875	251049.706	680.1	740.2	1.0	-	-	-	1.0	TRM
5033	TRETOP	251097.134	251040.851	677.7	735.6	10.1	5.0	-	-	10.1	TRM
5038	RAILROAD	251038.748	2510474.700	686.4	711.3	13.4	12.4	-	-	13.4	MARK/USHT
5045	TRETOP	251367.086	251041.337	671.3	702.4	5.6	5.6	-	-	4.9	TRM
5047	TRETOP	251423.887	251051.886	670.7	728.2	0.3	-	-	-	0.3	TRM
5048	TRETOP	251038.750	251047.000	671.8	714.8	0.0	-	-	-	0.4	TRM
5052	TRETOP	251190.391	251042.136	662.8	695.4	3.0	3.0	-	-	1.6	TRM
5066	TRETOP	251066.796	251007.244	675.4	734.1	3.8	-	-	-	3.8	TRM
5068	RAILROAD	251050.736	251047.809	687.0	710.9	16.9	16.9	-	-	15.7	MARK/USHT
5089	TRETOP	251201.855	251007.717	671.5	733.2	2.1	-	-	-	2.1	TRM
5090	TRETOP	251003.489	251045.975	671.0	724.5	0.3	-	-	-	1.6	TRM
5091	TRETOP	251091.888	251038.978	675.0	727.7	0.2	-	-	-	0.2	TRM
5099	TRETOP	251087.581	251031.787	672.4	738.8	9.3	4.4	-	-	9.3	TRM
5094	TRETOP	251224.307	251070.400	671.4	730.4	4.0	-	-	-	4.0	TRM
5097	TRETOP	251270.847	251051.608	674.5	738.0	8.1	3.3	-	-	8.1	TRM
5105	RAILROAD	251334.832	251047.935	685.5	711.0	9.2	9.2	-	-	9.2	MARK/USHT
5107	TRETOP	251000.704	251031.888	671.8	728.8	8.4	3.8	-	-	8.4	TRM
5121	TRETOP	251338.015	251074.826	668.3	729.9	0.1	-	-	-	0.1	TRM
5123	TRETOP	251142.091	251045.127	670.8	725.3	0.4	-	-	-	0.4	TRM
5124	TRETOP	251417.880	251061.327	676.1	717.5	11.8	11.8	-	-	11.8	TRM
5126	TRETOP	251009.801	251034.838	671.8	731.1	13.6	14.9	-	-	13.6	TRM
5128	TRETOP	251131.062	251046.715	672.9	728.0	0.7	-	-	-	0.7	TRM
5134	TRETOP	251405.034	251071.870	669.6	728.8	5.8	2.4	-	-	5.8	TRM
5139	TRETOP	251217.128	251046.780	671.0	730.8	4.8	0.5	-	-	4.8	TRM
5140	TRETOP	251198.471	251040.719	671.1	728.0	17.9	17.9	-	-	17.9	TRM
5146	TRETOP	251042.473	251009.952	673.8	746.6	3.5	-	-	-	3.5	TRM
5151	TRETOP	251011.454	251042.644	671.0	754.1	24.0	10.0	-	-	24.0	TRM
5168	TRETOP	251243.351	251070.529	682.2	692.5	1.0	1.0	-	-	-	TRM
5189	TRETOP	251337.256	251074.530	668.1	742.1	17.5	13.4	-	-	17.5	TRM
5117	TRETOP	251070.182	251041.478	670.3	720.8	1.0	1.0	-	-	1.0	TRM
5136	TRETOP	251146.940	251070.787	670.9	731.1	7.0	2.8	-	-	7.0	TRM
5182	RAILROAD	251825.541	251073.831	686.4	711.3	13.2	13.2	-	-	13.6	MARK/USHT
5188	TRETOP	251120.788	251071.244	675.0	728.0	0.3	-	-	-	0.3	TRM
5189	TRETOP	251218.465	251051								

Structure Number	Observation Type	Northing (N)	Easting (E)	Ground Elevation (m)	Observation Elevation (m)	Min Penetration (m)	Existing 3D GPS Dependent Approach Surface (m)	Existing 3D GPS Dependent Approach Surface (m)	Existing 3D GPS Dependent Approach Surface (m)	Existing 3D GPS Dependent Approach Surface (m)	Proposed Disposition
3128	RAILROAD	213055.956	254700.704	685.3	710.4	3.8	-	-	-	3.8	MARK/LIGHT
3129	RAILROAD	213475.302	254718.058	685.1	715.1	1.1	6.8	-	-	1.1	MARK/LIGHT
3511	TRETTOP	213471.467	254622.896	678.5	702.9	2.9	12.0	-	-	2.9	TM
3512	TRETTOP	213344.403	254765.147	678.5	689.7	1.2	2.2	-	-	1.2	TM
3609	TRETTOP	213270.323	254837.467	682.1	693.9	2.3	2.3	-	-	2.3	TM
3613	TRETTOP	213279.915	254826.755	683.3	692.7	1.8	1.8	-	-	1.8	TM
3623	Q	213291.138	254708.738	689.2	679.4	36.3	16.3	-	-	16.7	FIXED BY FUNCTION
3631	TRETTOP	213308.188	254821.057	681.4	684.5	3.0	4.0	-	-	3.0	TM
3645	TRETTOP	213279.574	254808.726	682.5	686.8	3.8	3.8	-	-	3.8	TM
3665	RAILROAD	213271.059	254785.435	687.2	711.0	20.8	20.8	-	-	19.0	MARK/LIGHT
3708	TRETTOP	213258.894	254770.306	681.4	681.8	2.0	2.0	-	-	2.0	TM
3718	TRETTOP	213251.035	254797.206	687.1	691.5	20.6	20.6	-	-	18.0	MARK/LIGHT
3719	TRETTOP	213281.127	254820.127	689.2	689.2	1.8	4.0	-	-	1.8	TM
3738	RAILROAD	213291.129	254784.420	687.1	711.0	20.6	20.6	-	-	18.0	MARK/LIGHT
3749	TRETTOP	213221.112	254826.469	677.9	695.5	3.3	3.3	-	-	3.3	TM
3751	TRETTOP	213288.463	254834.034	678.4	733.2	24.7	-	-	-	24.7	TM
3760	TRETTOP	213221.147	254831.762	679.7	699.1	7.3	7.3	-	-	7.3	TM
3792	TRETTOP	213233.934	254789.511	682.8	692.3	1.2	3.2	-	-	1.2	TM
3800	UTILITY POLE	213271.764	254888.123	689.2	684.5	0.7	0.7	-	-	-	MARK/LIGHT
3823	RAILROAD	213237.126	254790.137	687.1	711.1	2.8	-	-	-	2.8	MARK/LIGHT
3855	TRETTOP	213218.563	254821.136	677.5	704.1	30.5	10.5	-	-	8.2	TM
3859	TRETTOP	213218.118	254821.461	687.3	691.6	3.8	3.3	-	-	3.3	TM
3873	TRETTOP	213230.902	254836.169	672.4	684.8	0.7	0.7	-	-	0.7	TM
3928	TRETTOP	213271.689	254780.137	684.0	691.8	2.0	2.0	-	-	0.2	TM
3941	TRETTOP	213250.024	254751.058	680.3	691.1	1.4	1.4	-	-	-	TM
3947	TRETTOP	213284.177	254835.187	687.1	695.6	1.5	3.5	-	-	2.1	TM
3951	TRETTOP	213221.240	254792.124	684.7	692.2	1.2	0.2	-	-	0.2	TM
3996	TRETTOP	213259.139	254763.809	681.2	690.2	1.0	1.0	-	-	-	TM
4026	RAILROAD	213222.132	254789.575	687.1	711.1	21.6	21.6	-	-	11.0	MARK/LIGHT
4028	TRETTOP	213220.650	254829.440	677.2	697.8	1.4	5.4	-	-	4.0	TM
4034	TRETTOP	213229.494	254751.126	679.3	691.4	3.3	3.3	-	-	1.5	TM
4035	TRETTOP	213218.257	254771.704	681.4	693.6	2.0	1.0	-	-	0.1	TM
4100	RAILROAD	213250.188	254772.120	684.4	691.3	2.0	2.0	-	-	-	TM
4100	RAILROAD	213223.875	254809.921	674.6	695.9	3.7	3.7	-	-	2.3	TM
4165	RAILROAD	213271.056	254789.757	687.1	711.5	21.0	21.0	-	-	19.0	MARK/LIGHT
4198	TRETTOP	213227.967	254796.702	687.1	691.1	0.0	0.0	-	-	-	TM
4236	TRETTOP	213249.729	254820.127	689.2	689.2	1.8	4.0	-	-	1.8	TM
4238	TRETTOP	213249.714	254833.643	676.8	688.4	6.5	6.5	-	-	5.0	TM
4258	TRETTOP	213201.390	254767.334	682.0	690.0	0.6	0.6	-	-	-	TM
4311	RAILROAD	213228.676	254800.444	684.4	711.5	21.1	21.1	-	-	18.4	MARK/LIGHT
4312	TRETTOP	213227.603	254794.679	680.9	692.2	1.2	1.2	-	-	1.2	TM
4314	TRETTOP	213227.384	254794.620	683.6	692.8	1.4	1.4	-	-	1.4	TM
4315	TRETTOP	213241.341	254755.004	680.7	694.2	4.1	4.1	-	-	2.3	TM
4352	TRETTOP	213208.994	254761.091	680.9	685.4	1.9	1.9	-	-	-	TM
4352	TRETTOP	213228.541	254844.008	678.5	695.6	1.8	3.8	-	-	2.2	TM
4354	RAILROAD	213249.721	254772.071	689.8	711.3	19.5	19.5	-	-	17.7	MARK/LIGHT
4387	TRETTOP	213241.663	254764.830	681.4	692.2	1.9	1.9	-	-	1.9	TM
4390	TRETTOP	213209.723	254844.016	678.7	690.7	2.3	-	-	-	2.3	TM
4392	RAILROAD	213249.681	254784.895	687.1	711.5	18.5	18.5	-	-	1.6	MARK/LIGHT
4400	RAILROAD	213249.565	254784.767	685.5	729.9	3.7	-	-	-	3.7	TM
4421	TRETTOP	213258.481	254561.184	679.7	729.2	3.2	3.2	-	-	1.8	TM
4421	TRETTOP	130097.130	253463.118	671.0	743.1	16.4	12.1	-	-	16.4	TM
4462	TRETTOP	213062.292	253067.438	674.6	743.4	17.5	12.6	-	-	17.5	TM
4637	TRETTOP	213101.091	253064.228	665.5	728.9	1.5	-	-	-	1.5	TM
4641	TRETTOP	213113.812	253172.543	669.8	729.0	3.3	-	-	-	3.3	TM
4641	TRETTOP	213101.423	253063.179	674.0	752.3	12.9	18.3	-	-	12.9	TM
4644	RAILROAD	213099.530	253477.139	686.1	713.4	16.2	16.2	-	-	15.2	MARK/LIGHT
4653	TRETTOP	213113.397	253055.259	670.5	727.8	3.8	-	-	-	3.8	TM
4659	TRETTOP	213113.113	253053.895	676.1	734.0	10.9	7.2	-	-	10.9	TM
4660	TRETTOP	213101.211	253041.128	671.8	724.6	16.8	12.8	-	-	1.6	TM
4663	TRETTOP	213102.943	253051.531	668.4	749.6	17.6	12.8	-	-	17.6	TM
4676	TRETTOP	213041.951	253018.665	671.9	748.7	6.7	-	-	-	6.7	TM
4681	TRETTOP	213021.297	253077.457	667.9	739.8	2.5	-	-	-	2.5	TM
4684	TRETTOP	213101.031	253035.765	676.7	737.1	6.4	2.3	-	-	6.4	TM
4685	TRETTOP	213021.211	253062.007	681.6	696.7	1.2	1.2	-	-	1.6	TM
4685	TRETTOP	213061.167	253047.129	670.8	727.8	1.6	-	-	-	1.6	TM
4714	TRETTOP	213061.970	253058.034	671.2	731.1	0.3	-	-	-	0.3	TM
4722	TRETTOP	213108.534	253057.129	676.7	726.8	1.4	-	-	-	1.4	TM
4727	TRETTOP	213124.267	253049.005	676.8	723.4	7.2	3.1	-	-	7.2	TM
4750	TRETTOP	213122.089	253047.124	676.1	723.2	1.4	1.4	-	-	1.4	TM
4757	TRETTOP	213084.514	253072.748	679.5	724.8	16.4	18.4	-	-	0.9	MARK/LIGHT
4765	TRETTOP	213102.430	253087.092	671.8	733.8	16.4	11.7	-	-	15.4	TM
4765	TRETTOP	213124.876	253062.747	671.0	730.2	4.2	-	-	-	4.2	TM
4777	TRETTOP	213117.889	253079.483	682.2	732.7	0.7	0.7	-	-	0.7	TM
4787	TRETTOP	213185.798	253083.538	673.2	733.7	1.3	-	-	-	1.3	TM
4793	TRETTOP	213049.681	253014.303	671.9	744.9	1.8	-	-	-	1.8	TM
4801	TRETTOP	213146.463	253171.961	667.6	746.4	11.4	7.3	-	-	11.4	TM
4802	TRETTOP	213101.093	253048.300	675.7	707.0	6.3	6.3	-	-	6.3	TM
4802	TRETTOP	213101.117	253052.862	676.7	720.4	7.4	7.4	-	-	7.4	TM
4803	TRETTOP	213085.668	253044.020	668.0	740.9	8.9	8.9	-	-	7.9	TM
4816	TRETTOP	213104.578	253065.122	684.0	732.6	4.5	-	-	-	4.5	TM
4817	TRETTOP	213143.498	253074.489	687.1	735.5	14.6	14.6	-	-	14.6	TM
4833	TRETTOP	213144.269	253050.029	668.7	729.9	22.3	17.0	-	-	22.3	TM
4837	TRETTOP	213094.381	253054.869	674.8	741.6	11.6	8.1	-	-	12.1	TM
4843	TRETTOP	213170.627	253068.463	671.7	731.6	4.9	0.5	-	-	4.9	TM
4848	TRETTOP	213086.112	253018.015	672.2	727.8	0.2	-	-	-	0.2	TM
4828	TRETTOP	213102.214	253102.796	672.3	731.3	0.6	3.0	-	-	6.0	TM
4830	TRETTOP	213115.168	253054.200	676.9	736.0	11.0	7.0	-	-	11.0	TM
4831	TRETTOP	213115.879	213052.174	671.2	731.8	1.2	-	-	-	1.2	TM
4838	TRETTOP	213076.291	253044.200	670.4	695.1	0.1	0.1	-	-	0.1	TM
4840	TRETTOP	213106.526	253050.031	670.8	730.8	3.3	2.4	-	-	3.3	TM
4845	TRETTOP	213099.405	253050.116	674.5	745.5	16.2	11.3	-	-	16.2	TM
4846	TRETTOP	213100.016	253050.879	671.9	744.6	15.4	10.6	-	-	15.4	TM
4850	RAILROAD	213084.911	253047.821	681.1	688.2	3.9	3.9	-	-	3.9	TM
4854	RAILROAD	213073.715	253078.723	687.1	729.9	16.4	16.4	-	-	15.3	MARK/LIGHT
4854	TRETTOP	213084.091	253050.002	672.1	733.2	4.9	0.2	-	-	4.9	TM
4873	TRETTOP	213294.594	253050.619	668.8	730.4	5.1	5.0	-	-	5.1	TM
4884	TRETTOP	213051.261	253071.576	681.9	702.1	17.0	17.0	-	-	17.0	MARK/LIGHT
4887	TRETTOP	213197.071	253083.026	673.2	734.3	1.3	0.5	-	-	1.3	TM
4888	TRETTOP	213471.277	254789.842	676.7	705.2	4.8	4.8	-	-	4.7	TM
4891	TRETTOP	213091.390	253052.993	671.1	730.8	1.0	-	-	-	3.0	TM
4897	TRETTOP	213144.649	253085.142	669.3	730.5	5.7	1.7	-	-	5.7	TM
4898	RAILROAD	213101.021	253062.114	674.6	741.9	14.9	9.0	-	-	9.0	TM
4898	TRETTOP	213084.680	253041.603	677.7	686.6	1.9	3.9	-	-	2.8	TM
4899	TRETTOP	213108.836	253064.171	671.2	730.6	4.2	-	-	-	4.2	TM
4900	TRETTOP	213108.682	253067.286	676.7	732.2	1.1	0.9	-	-	5.3	TM
4904	TRETTOP	213090.468	253031.013	671.9	729.5	1.4	-	-	-	1.4	TM
4907	TRETTOP	213091.821	253026.286	671.0	731.6	16.3	10.8	-	-	16.3	MARK/LIGHT
4914	TRETTOP	213089.502	253050.406	675.0	720.0	19.1	14.3	-	-	19.1	TM
4915	TRETTOP	213213.172	253099.572	669.9	731.6	0.5	-	-	-	0.5	TM

Station Number	Obstruction Type	Northing (ft)	Eastng (ft)	Ground Elevation (ft)	Obstruction Elevation (ft)	Max Penetration (ft)	Existing 30 Foot 77mm Approach Surface Penetration (ft)	Qualifying Slope Gradient (SOS Penetration (ft))	Existing 13 TRPS Deformation (ft)	Proposed Disposition
5729	TRETOP	513121.389	5120524.082	670.9	728.1	1.9	-	-	1.9	THM
5730	TRETOP	513031.895	5120588.780	674.2	748.0	1.6	8.9	-	1.6	THM
5731	TRETOP	513121.125	5120717.580	671.6	760.7	4.0	-	-	4.0	THM
5732	RAILROAD	512051.450	5124973.702	686.1	713.4	16.4	16.4	-	16.4	MARV/UGIT
5740	TRETOP	512044.458	5124976.821	681.2	696.9	2.0	2.0	-	2.0	THM
5751	TRETOP	512424.210	5124978.304	683.0	682.2	0.5	0.5	-	-	THM
5752	TRETOP	512091.144	5121037.023	672.0	737.7	5.1	0.4	-	5.1	THM
5753	TRETOP	512094.304	5121020.573	671.4	744.4	5.5	6.8	-	5.5	THM
5758	RAILROAD	512091.953	5124977.187	686.5	711.4	17.2	17.2	8.1	16.1	MARV/UGIT
5759	TRETOP	512081.400	5120998.176	674.2	746.5	4.4	-	-	4.4	THM
5771	TRETOP	512030.536	5124976.187	680.5	670.7	2.2	2.2	-	1.3	THM
5772	TRETOP	512077.984	5120998.121	681.7	725.5	8.5	4.9	-	8.5	THM
5786	TRETOP	512148.132	5124977.003	686.8	709.4	5.4	-	-	5.4	THM
5789	TRETOP	512097.531	5124976.800	675.7	713.6	11.1	11.0	-	11.1	THM
5791	TRETOP	512066.761	5120641.821	673.1	729.7	1.7	-	-	1.7	THM
5798	TRETOP	512095.425	5120335.942	671.1	728.3	0.2	-	-	0.2	THM
5801	RAILROAD	512091.880	5120994.480	681.1	712.4	9.5	4.8	-	4.8	THM
5806	TRETOP	512134.675	5120603.020	670.8	736.9	14.3	10.6	-	14.3	THM
5810	TRETOP	512091.258	5120316.430	671.5	730.1	2.3	-	-	2.3	THM
5818	TRETOP	512130.230	5120845.553	668.2	731.1	10.2	5.8	-	10.2	THM
5819	TRETOP	512112.346	5120870.158	671.4	738.8	11.3	6.8	-	11.3	THM
5821	TRETOP	512091.438	5120541.400	670.8	738.1	0.7	-	-	0.7	THM
5824	TRETOP	512141.713	5120634.722	671.4	716.1	5.1	-	-	5.1	THM
5826	RAILROAD	512099.746	5124975.186	686.7	719.0	15.0	15.0	-	15.0	MARV/UGIT
5828	TRETOP	512141.502	5120537.202	672.5	723.9	2.6	-	-	2.6	THM
5830	TRETOP	512112.482	5120818.010	670.4	727.9	2.1	-	-	2.1	THM
5831	TRETOP	512091.369	5120505.134	671.8	728.6	0.6	-	-	0.6	THM
5837	TRETOP	512088.800	5120542.220	674.4	742.0	0.5	-	-	0.5	THM
5861	TRETOP	512123.815	5123751.625	670.7	728.8	1.3	-	-	1.3	THM
5862	TRETOP	512071.287	5120985.786	674.4	744.4	14.6	9.9	-	14.6	THM
5863	TRETOP	512121.448	5123726.850	687.5	742.1	8.5	-	-	8.5	THM
5868	RAILROAD	512266.597	5124974.716	687.0	711.0	19.0	19.0	2.2	17.5	MARV/UGIT
5889	TRETOP	512096.597	5120646.176	672.9	729.5	1.5	-	-	1.5	THM
5901	TRETOP	512091.179	5120544.962	671.0	738.1	2.2	-	-	2.2	THM
5902	TRETOP	512121.810	5120861.245	670.8	738.3	2.5	-	-	2.5	THM
5903	TRETOP	512121.287	5120735.880	687.5	741.1	1.6	0.6	-	1.6	THM
5905	TRETOP	512101.821	5123711.400	667.7	727.1	2.7	-	-	2.7	THM
5906	TRETOP	512227.614	5124946.407	677.5	806.3	0.1	0.1	-	-	THM
5911	TRETOP	512091.861	5120675.183	674.4	745.7	11.1	10.1	-	11.1	THM
5912	TRETOP	512077.794	5120994.428	671.6	749.9	4.0	4.0	-	4.0	THM
5925	TRETOP	512144.771	5120620.207	672.0	733.4	10.0	6.2	-	10.0	THM
5926	TRETOP	512166.372	5120605.902	686.9	730.7	2.8	-	-	2.8	THM
5927	TRETOP	512099.786	5124976.523	683.6	681.2	0.2	0.2	-	-	THM
5931	TRETOP	512124.522	5120958.699	671.4	729.2	2.6	-	-	2.6	THM
5932	TRETOP	512120.740	5120958.278	687.8	749.8	14.8	10.9	-	14.8	THM
5943	TRETOP	512138.485	5120799.682	687.5	727.5	1.6	-	-	1.6	THM
5946	TRETOP	512095.772	5120620.776	674.1	744.2	15.1	10.5	-	15.2	THM
5947	TRETOP	512100.526	5124978.361	685.5	708.3	4.6	4.3	-	4.6	THM
5951	TRETOP	512098.746	5120675.089	674.7	712.9	0.9	-	-	0.9	THM
5954	TRETOP	51217.870	5120782.052	686.3	729.9	1.5	-	-	1.5	THM
5973	TRETOP	512151.857	5120615.180	670.7	729.9	1.6	-	-	1.6	THM
5975	TRETOP	512105.707	5120814.084	667.6	716.1	5.1	0.8	-	5.1	THM
5985	TRETOP	512120.930	5120341.287	668.1	731.2	0.8	-	-	0.8	THM
5986	TRETOP	512179.915	5120347.211	670.8	729.5	3.3	4.2	-	3.3	THM
6001	TRETOP	512056.064	5120472.227	680.5	740.2	0.7	6.3	-	6.7	THM
6003	TRETOP	512069.112	5124974.584	662.7	696.6	2.1	2.1	-	2.1	THM
6005	TRETOP	512082.631	5124979.156	681.2	684.3	0.2	0.2	-	-	THM
6027	TRETOP	512094.578	5120310.428	671.3	738.8	2.5	-	-	2.5	THM
6041	TRETOP	512141.988	5120717.178	681.1	741.7	0.7	-	-	0.7	THM
6055	TRETOP	512100.058	5120999.243	670.5	737.7	6.9	1.8	-	6.9	THM
6058	TRETOP	512086.028	5120300.723	672.9	731.1	9.7	4.8	-	9.7	THM
6034	TRETOP	512117.480	5120807.182	674.8	729.9	0.4	-	-	0.4	THM
6039	TRETOP	512128.547	512171.697	674.6	738.6	1.2	-	-	1.2	THM
6040	TRETOP	512091.284	5120611.902	671.4	731.8	1.4	0.7	-	1.4	THM
6042	TRETOP	512147.969	5120585.104	670.8	720.0	4.5	0.4	-	4.5	THM
6043	TRETOP	512138.204	5120548.084	671.2	732.6	1.7	-	-	1.7	THM
6053	TRETOP	512051.143	5124973.407	678.8	705.0	7.8	7.8	-	6.5	THM
6054	TRETOP	512051.028	5120560.421	670.9	728.4	0.2	0.2	-	0.2	THM
6063	TRETOP	512076.356	5124880.500	670.3	725.6	19.4	19.4	2.0	16.6	THM
6066	TRETOP	512068.386	5120545.821	672.0	724.7	1.6	0.2	-	1.6	THM
6065	TRETOP	512407.119	5123779.946	668.2	738.8	8.9	5.8	-	8.9	THM
6070	RAILROAD	512050.020	5124971.795	686.9	730.6	0.8	0.8	-	0.7	MARV/UGIT
6076	TRETOP	512069.210	5120544.828	670.7	736.5	0.4	-	-	0.4	THM
6084	TRETOP	512091.457	5120608.130	671.4	737.4	8.9	4.3	-	8.9	THM
6084	TRETOP	512030.508	5124974.820	683.5	684.8	0.9	0.9	-	-	THM
6091	TRETOP	512091.141	5120546.473	672.5	744.6	17.2	12.0	-	17.2	THM
6101	TRETOP	512171.643	512174.803	687.5	733.8	6.6	4.7	-	6.6	THM
6104	RAILROAD	512126.176	5124974.838	686.5	710.2	17.2	12.0	-	17.2	MARV/UGIT
6107	TRETOP	512136.460	5120832.461	674.2	747.6	17.7	12.8	-	17.7	THM
6111	TRETOP	512217.778	5120626.204	670.7	731.4	4.2	2.1	-	4.2	THM
6114	TRETOP	512097.278	5120368.428	671.8	734.6	6.4	1.3	-	6.4	THM
6117	TRETOP	512177.889	5120600.175	672.0	731.5	8.5	2.5	-	8.5	THM
6126	TRETOP	512083.633	5120463.179	670.8	722.6	4.4	6.3	-	8.4	THM
6130	TRETOP	512041.299	5120500.377	671.1	729.8	2.4	-	-	2.4	THM
6133	TRETOP	512121.180	5120611.940	670.7	729.2	4.3	0.2	-	4.3	THM
6134	TRETOP	512031.045	5120561.143	670.7	727.6	1.0	-	-	1.0	THM
6139	TRETOP	512094.729	5120717.382	671.8	741.1	1.6	1.8	-	1.6	THM
6179	TRETOP	512041.183	5120636.804	671.2	738.2	10.0	5.4	-	10.0	THM
6183	TRETOP	512180.074	5124971.206	684.0	682.7	1.3	1.3	-	-	THM
6196	TRETOP	512091.816	5124958.064	671.3	727.4	1.2	-	-	1.2	THM
6201	TRETOP	512086.920	5120318.707	672.3	734.5	8.5	9.8	-	8.5	THM
6216	TRETOP	512145.482	5124978.514	671.7	713.1	10.2	10.1	-	10.2	THM
6208	TRETOP	512216.716	5120646.258	680.7	732.0	6.5	2.4	-	6.5	THM
6208	TRETOP	512071.813	5124979.374	681.5	681.1	2.7	2.7	-	1.6	THM
6210	TRETOP	512023.480	5120378.617	669.0	732.3	1.3	-	-	1.3	THM
6212	TRETOP	512094.386	5120463.118	672.3	737.9	4.9	0.7	-	4.9	THM
6215	TRETOP	512129.237	5120681.175	680.7	746.4	2.1	2.1	-	2.1	THM
6232	RAILROAD	512173.854	5124948.820	666.9	711.2	11.4	11.4	-	11.1	MARV/UGIT
6245	TRETOP	512425.471	5128005.125	674.4	740.5	4.3	-	-	4.3	THM
6246	RAILROAD	512126.642	5124979.358	686.8	711.5	16.4	16.4	-	16.0	MARV/UGIT
6249	TRETOP	512126.385	5120611.861	680.3	740.1	1.4	6.4	-	1.4	THM
6254	TRETOP	512076.313	5120685.506	684.4	725.5	6.6	4.7	-	6.6	THM
6264	TRETOP	512124.951	5120694.762	674.0	731.1	10.2	5.6	-	10.2	THM
6265	TRETOP	512129.104	5120627.121	672.9	738.9	5.7	1.8	-	5.7	THM
6276	TRETOP	512034.024	5124983.027	677.2	702.1	1.3	1.3	-	1.3	THM
6280	TRETOP	512126.175	5120787.871	685.5	740.7	1.0	1.1	-	1.0	THM
6294	TRETOP	512184.253	5124975.720	682.0	670.0	0.4	0.4	-	0.4	THM
6296	RAILROAD	512178.381	5124978.880	686.6	730.6	11.0	11.0	-	10.6	MARV/UGIT
6297	TRETOP	512094.178	5124801.786	679.6	696.6	1.7	1.7	-	0.7	THM
6304	TRETOP	512129.644	5120474.118	680.5	744.4	1.4	2.4	-	1.4	THM
6322	RAILROAD	512164.349	5124978.450	680.5	711.5	19.1	19.1	3.3	17.7	MARV/UGIT
6331	TRETOP	512147.423	5120924.079	666.4	739.7	11.1	6.4	-	11.1	THM
6335	TRETOP	512181.950	5124712.522	680.7	670.1	0.1	0.1	-	-	THM
6338	TRETOP	512176.077	5120972.629	668.1	722.7	0.3	-	-	0.3	THM
6342	TRETOP	512166.610	5120998.128	670.3	728.7					

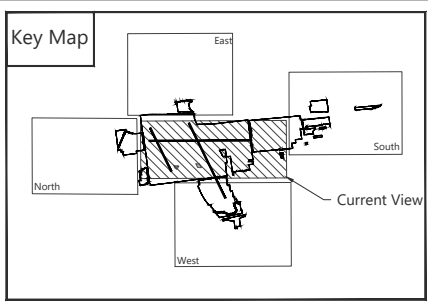
SOURCES:
Federal Aviation Administration, *Engineering Brief No. 99A*, July 2020; Code of Federal Regulations, *Part 77 Safe, Efficient Use, and Preservation of the Navigable Airspace*, July 2010; Martine Geospatial, March 2019 (obstruction data); Ricondo & Associates, Inc. April 2021 (airspace assessment).

PREPARED BY:
Ricondo & Associates, Inc.

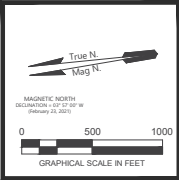


NOTES:
1/ See Sheet 33 for additional land use areas.
2/ Milwaukee County imposes a Height Limit Zoning Ordinance (HLZO) under Chapter 84 of the Milwaukee County Code of Ordinances.
3/ The 65 Day Night Average Sound Level (65 DNL) noise contour is depicted for forecast year 2028.
4/ The Howell Avenue easement was granted by Milwaukee County to the State Highway Commission of Wisconsin to enable the Howell Avenue tunnel project.
5/ No hospitals identified in 65 DNL noise contour.

SOURCES:
MKE ALP dated May 2017, prepared by Crawford, Murphy, and Tilly, December 2017 (base line work); Milwaukee County Land Information Office Geographic Information System (GIS) land use database, October 2021; Martinez Geospatial, May 2020; Southeastern Wisconsin Regional Planning Commission (SEWRPC), June 2019 (Land Use Data); Milwaukee County, December 2021 (property line).
PREPARED BY:
Ricondo & Associates, Inc.



LAND USE
SHEET 1 OF 2



No.	Revisions	Date

DRAWN BY: JMJ
CHECKED BY: MDT
September 2022
Sheet 33 of 35

LEGEND			
EXISTING AIRPORT FACILITIES	FUTURE AIRPORT FACILITIES	EXISTING RUNWAY SURFACES	FUTURE RUNWAY SURFACES
Airport Property Line	Airfield Pavement	Runway Protection Zone (RPZ)	Runway Protection Zone (RPZ)
Airfield Pavement	Buildings/Parking Structure	Runway Safety Area (RSA)	Runway Safety Area (RSA)
On-Airport Buildings	Facility/Pavement Demolition	Runway Object Free Area (ROFA)	Runway Object Free Area (ROFA)
Off-Airport Buildings	Landside Roadways/Surface Parking	Runway Obstacle Free Zone (ROFZ)	Runway Obstacle Free Zone (ROFZ)
Vehicle Service Road (VSR)	Vehicle Service Road (VSR)	Runway Visibility Zone (RVZ)	Runway Visibility Zone (RVZ)
Landside Roadways	Windcone	LOC & GS Critical Area	LOC & GS Critical Area
Water Features	Navigational Aid (NAVAID)	ASR/AWOS Critical Area	ASR/AWOS Critical Area
Windcone		65 DNL 65 Day-Night Average Sound Level	65 DNL 65 Day-Night Average Sound Level
Navigational Aid (NAVAID)		AWOS Critical Area	AWOS Critical Area

LAND USE LEGEND		
EXISTING ON-AIRPORT	FUTURE ON-AIRPORT	EXISTING OFF-AIRPORT
Aircraft Maintenance	Aircraft Maintenance	Agriculture
Airfield Development	Airfield Development	County
Parking	Parking	Exempt
Airport Support	Airport Support	Federal
Aviation Related Development	Aviation-Related Development	Commercial
Cargo	Cargo	Manufacturing
General Aviation	General Aviation	Residential
Land Side	Land Side	State
Open Land	Terminal	Church
Terminal		Park
		School
		Easements