

**JEA 5th Street W Route Study - Vacuum Test Hole (TH) Report Summary**

Test Hole	Northing	Easting	Ground Type	Soil Condition	Utility Found	Material	Pavement Thickness	Elev. At Grade	Elev. At Top	Elev. At Bottom	Width of Utility	Comment
VVH - 1	2185476.254	418233.164	Dirt	Dry/Dirt	1/2" Buried Telephone (ATT/D)	DBC		22.84	20.10	20.06	0.04	
VVH - 2	2185478.458	418230.173	Dirt	Dry/Dirt	1 1/2" Buried Telephone (ATT/D)	DBC		22.84	20.64	20.52	0.12	
VVH - 3	2185476.934	417928.276	Dirt	Dry/Dirt	1" Buried Telephone (ATT/D)	DBC		22.04	19.55	19.47	0.08	
VVH - 4	2185475.149	417310.397	Dirt	Dry/Dirt	1/2" Buried Telephone (ATT/D)	DBC		22.34	20.61	20.67	0.04	
VVH - 5	2185475.293	417307.909	Dirt	Dry/Dirt	1/2" Buried Telephone (ATT/D)	DBC		23.21	20.97	20.93	0.04	
VVH - 6	2185579.473	422361.346	Dirt	Dry/Dirt	1" Water Main	Copper		17.39	14.60	14.52	.08	
VVH - 7	2185574.616	422259.326	Dirt	Dry/Dirt	(X3) 1 1/2" Fiber Optic Cable	PE		17.44	10.80	10.56	0.5	
VVH - 8	2185562.895	421930.713	Dirt	Dry/Dirt	1" Buried Telephone (ATT/D)	PE		16.65	14.87	14.79	0.08	
VVH - 9	2185552.758	421827.706	Dirt	Dry/Dirt	1" Water Main	PVC		17.02	15.88	15.80	0.08	
VVH - 10	2185471.025	416467.488	Asphalt/Other	Hard/Soft/Wet/Dry/Dirt	4" Buried Telephone (ATT/D)	PVC		26.24	23.30	22.90	0.40	
VVH - 11	2185470.567	416521.590	Asphalt/Dirt	Hard/Soft/Wet	(X2) 4" Electrical	PVC		26.41	19.29	18.89	0.90	
VVH - 12	2185476.163	416564.940	Dirt	Hard/Soft/Wet	1" Buried Telephone (ATT/D)	DBC		25.95	23.13	23.05	0.08	
VVH - 13	2185479.208	416565.271	Dirt	Hard/Soft/Wet	1" Buried Telephone (ATT/D)	DBC		25.89	23.17	23.09	0.08	
VVH - 14	2185450.557	416552.595	Dirt	Soft/Wet/Rocky	+/- 14" Force Main	PVC		25.47	20.94	19.77	+/- 14"	
VVH - 15	2185546.649	421651.164	Dirt	Hard/Soft/Dirt	(X3) (LEV 3) 1 1/2" Fiber Optic Cable	PE		17.00	14.32	13.90	.417'	
VVH - 16	2185549.169	421666.671	Dirt	Hard/Soft/Wet/Dry/Dirt	12" Water Main (JEA)	Steel		16.68	13.26	12.17	1.09	
VVH - 17	285548.361	421666.672	Dirt	Hard/Soft/Dirt	3" Unknown	PVC		16.85	13.45	13.20	.250'	
VVH - 18	2185483.431	419683.687	Dirt	Hard/Soft/Wet/Dirt/Clay	4" Force Main (JEA)	PVC		25.48	17.05	16.65	0.4	
VVH - 19	2185689.960	427658.358	Dirt	Hard/Soft/Wet/Dirt/Clay	1" Water Main (JEA)	PVC		20.77	17.93	17.83	0.10	
VVH - 20	2185539.768	418971.462	Dirt	Hard/Dry/Dirt	4" Gas Main	Steel		25.80	22.53	22.13	0.4	
VVH - 21	2185489.224	419024.107	Dirt	Soft/Dry/Sand/Dirt	16" Water Main (JEA)	Steel		25.24	23.14	21.82	16"	
VVH - 23	2185688.646	427460.554	Dirt	Hard/Soft/Wet/Dirt	8" Water Main (JEA)	PVC		20.57	17.38	16.63	.75'	
VVH - 24	2185484.965	419063.083	Dirt	Soft/Wet/Sand/Clay	2" Gas Main	PE		25.44	23.23	23.03	0.20	
VVH - 25	2185487.017	419063.070	Dirt	Hard/Wet/Dirt	12" Water Main (JEA)	Steel		25.29	22.03	20.84	1.09	
VVH - 26	2185487.590	419141.871	Asphalt	Soft/Wet/Dirt	4" Electrical (# of conduit unk)	PVC	0.4	25.58	18.60	17.80	.80	
VVH - 27	2185485.696	419224.521	Dirt	Hard/Soft/Wet/Dirt	16" Unknown	Steel		25.39	20.73	19.41	1.32	
VVH 28	2185480.479	419802.741	Dirt	Wet/Sand/Dirt/Clay	14" Water Main	DIP		24.78	21.95	20.86	1.09	
VVH - 29	2185479.806	419876.072	Dirt	Soft/Wet/Dirt	12" Water Main (JEA)	Steel		24.22	19.31	18.22	1.09	
VVH - 30	2185555.804	421552.589	Dirt	Hard/Soft/Wet/Dirt	2" Buried Telephone (ATT/D)	PE		22.58	19.49	19.29	0.20	
VVH - 31	2185505.987	420888.480	Dirt	Dry/Dirt	1" Water Main (JEA)	PVC		16.88	15.45	15.37	0.08'	
VVH - 32	2185505.944	420887.806	Dirt	Dry/Dirt	1" Water Main (JEA)	PVC		16.88	15.03	14.95	0.08'	
VVH - 33	2185689.805	427454.463	Dirt	Hard/Soft/Wet/Dirt	10" Unknown	PE		20.61	18.03	17.11	0.92'	
VVH - 34	22185689.661	427449.481	Dirt	Soft/Dry/Dirt	10" Unknown	PE		20.62	16.82	15.90	0.92'	
VVH - 35	2185689.745	427449.135	Dirt	Dry/Dirt	2" Unknown	PVC		20.64	17.44	17.64	0.20'	
VVH - 36	2185689.629	427450.199	Dirt	Hard/Soft/Wet/Dirt	1/4" Buried Telephone (ATT/D)	DBC		20.55	20.17	20.15	0.02'	
VVH - 37	2185681.646	427195.846	Dirt	Dry/Dirt	3" Water Main	Steel		20.29	18.59	18.26	0.33	
VVH - 38	2185681.740	427192.278	Dirt	Dry/Dirt	4" Water Main	PVC		20.52	17.66	17.26	0.40	
VVH - 39	2185691.592	427136.168	Dirt	Hard/Soft/Wet	4" Buried Telephone/Fiber Optic Cable	Steel		20.39	18.37	17.97	.40	
VVH - 40	2185686.277	427942.269	Dirt	Clay	(1) 4" Electrical	PVC		21.43	16.41	16.08	0.33	
VVH - 41	2185690.307	426913.548	Dirt	Dirt	(1) 1 1/2" Gas Main	PE		20.39	16.72	16.60	0.12	
VVH - 42	2185691.426	426885.486	Dirt	Dirt	(1) 10" Water Main	PVC		20.41	17.39	16.56	0.83	
VVH - 43	2185692.488	426881.331	Dirt	Wet/Dirt	(1) 4" Electrical	PVC		20.61	12.91	12.58	0.33	
VVH - 44	2185750.546	426771.951	Dirt	Wet/Dirt	(1) 6" Sanitary Sewer	PVC		20.49	14.75	14.25	0.50	
VVH - 45	2185689.315	427255.268	Dirt	Hard/Soft/Wet/Dry/Dirt/Rocky	6" Water Main	PVC		20.47	17.63	17.05	0.58	
VVH - 46	2185726.728	426860.037	Asphalt	Hard/Dry/Dirt/Rocky	8" Water Main (JEA)	CI	0.20	20.65	18.09	17.34	0.75	
VVH - 47	285736.828	425963.142	Asphalt	Hard/Soft/Dry/Dirt/Clay/Rocky	8" Force Main (JEA)	PVC	0.20	20.55	17.15	16.40	0.75	
VVH - 48	218483.785	420386.706	Dirt	Hard/Soft/Wet/Dry/Dirt/Clay	12" Water Main (JEA)	CI		17.60	13.70	12.60	1.10	
VVH - 49	218478.037	420222.836	Dirt	Hard/Soft/Wet/Dry/Dirt	12" Water Main (JEA)	CI		19.18	15.09	13.99	1.10	
VVH - 50	2185775.901	426113.465	Dirt	Hard/Soft/Dry/Sand/Dirt/Rocky	1 1/4" Unknown	PE		19.89	17.39	17.26	0.13	
VVH - 51	2185766.249	426105.297	Dirt	Hard/Soft/Dry/Sand/Dirt/Rocky	(X1) 1" (X1) 2" 4" Buried Telephone (AT&T)	PVC/DBC		20.31	18.14	17.74	0.40	
VVH - 52	285766.170	426104.644	Dirt	Hard/Soft/Dry/Sand/Dirt/Rocky	(X2) 4" Buried Telephone (AT&T)	PVC/Duct		20.34	17.21	16.81	0.75	
VVH - 53	2185766.183	426103.983	Dirt	Hard/Soft/Dry/Sand/Dirt/Rocky	4" Gas Main (TECO)	Steel		20.48	17.33	16.93	0.40	
VVH - 54	2185737.244	426115.318	Asphalt	Hard/Soft/Dry/Sand/Dirt/Clay/Rocky	6" Water Main (JEA)	PVC	0.35	20.61	16.35	15.77	0.58	
VVH - 55	2185713.768	425486.122	Asphalt	Hard/Dry/Sand/Dirt/Clay/Rocky	3x4" PVC BT Duct (AT&T)	PVC/Duct	0.15	21.120	18.000	17.60	1.13	
VVH - 60	2185673.850	423696.850	Dirt	Dry/Dirt/Rocky	10" Water Main (JEA)	CI		17.10	14.58	13.67	0.91	
VVH - 61	218682.925	423819.656	Dirt	Dry/Dirt/Rocky	10" Water Main (JEA)	CI		17.47	15.19	14.28	0.91	
VVH - 62	218603.236	422791.750	Dirt	Soft/Dry/Dirt/Rocky	1" Copper Water Main (JEA)	Copper		16.86	15.13	15.03	.10	
VVH - 63	218603.166	422790.351	Dirt	Soft/Dry/Dirt/Rocky	2" Steel Gas Main (JEA)	Steel		16.92	13.95	13.77	0.18	
VVH - 64	2185476.270	415964.430	Dirt	Hard/Wet/Dry/Dirt/Rocky	1/2" DBC-BT	DBC		25.95	21.35	21.31	0.04	
VVH - 65	218473.828	415021.255	Dirt	Hard/Dry/Dirt/Rocky	2" PVC FOC	PVC		25.09	22.57	22.39	0.18	
VVH - 66	218473.491	415017.255	Dirt	Hard/Dry/Dirt/Clay/Rocky	1" DBC-BT	DBC		25.149	22.639	22.559	0.08	
VVH - 67	218488.777	415000.101	Dirt	Hard/Soft/Dry/Dirt/Rocky	1" DBC-BT	DBC		9.08	6.09	6.01	0.08	
VVH - 68	218488.754	415002.748	Dirt	Hard/Soft/Dry/Dirt/Rocky	4" Force Main	PVC		9.25	4.37	4.04	0.33	

VVH - 69	218022.824	414965.752	Dirt	Soft/Dry/Dirt/Rocky	12" Water Main (JEA)	PVC		22.809	19.379	18.339	1.04	
VVh - 70	2185504.455	41885.808	Asphalt/Concrete	Soft/Wet/Sand/Dirt/Rocky	4x3" BE Duct	PVC	0.60/0.70	25.440	20.04	—	2.70+/-	
VVH - 71	2186022.291	414969.310	Asphalt	Hard/Dry/Clay/Rocky	1/2" DBC-BT	DBC	0.25	23.07	19.63	19.59	0.04	
VVH - 72	2185769.165	414999.309	Dirt	Hard/Dry/Clay/Rocky	15" Water Main (JEA)	DIP		24.314	19.304	18.054	1.25	
VVH - 73	218538.487	414998.946	Dirt	Hard/Dry/Clay/Rocky	2" Water Main (JEA)	PVC		23.196	20.706	20.396	0.19	
VVH - 74	2185654.315	423838.056	Dirt	Hard/Dry/Clay/Rocky	2" Hydrogen Peroxide Dose Line	PVC		17.423	15.903	15.693	0.21	
VVH - 75	2185657.582	423859.157	Dirt	Hard/Dry/Dirt/Clay/Rocky	12" Force Main (JEA)	PVC		17.587	12.307	11.247	1.06	
VVH - 76	2185681.832	423836.165	Concrete	Hard/Dry/Dirt/Rocky	2" Hydrogen Peroxide Dose Line	PVC	0.5	17.751	16.091	15.881	0.21	
VVH - 77	2185542.868	421600.915	Asphalt	Hard/Dry/Dirt/Clay/Rocky	12" Water Main (JEA)	CI	0.9	17.208	12.638	11.548	1.09	
VVH - 78	2185542.948	421604.983	Asphalt	Hard/Dry/Dirt/Clay/Rocky	4" FOC (AT&T)	Steel	0.9	17.158	13.168	12.818	0.35	
VVH - 79	2185706.624	425555.328	Asphalt	Hard/Dry/Dirt/Clay/Rocky	12" Water Main (JEA)	Steel	0.4	21.947	19.407	18.347	1.06	
VVH - 80	2185442.711	415968.227	Dirt	Hard/Soft/Wet/Dirt	12" Force Main (JEA)	PVC		23.552	18.912	17.912	1.00	
VVH - 100	2185721.119	425597.840	Asphalt	Hard/Dry/Dirt/Clay/Rocky	1" Gas Main (JEA or TECO?)	Steel	0.3	19.93	17.98	17.87	0.11	
VVH - 101	2185701.940	425494.679	Concrete	Hard/Dry/Clay/Rocky	4" Gas Main (JEA or TECO?)	Steel	0.35	21.06	17.44	17.10	0.34	
VVH - 102	2185703.811	425494.522	Concrete	Hard/Dry/Clay/Rocky	2x2" BE	PVC	0.35	20.99	18.39	18.21	0.37	
VVH - 103	2185719.954	425656.877	Asphalt	Hard/Dry/Clay/Rocky	6" Force Main (JEA)	CIP	0.3	19.40	16.26	15.74	0.52	
VVH 104	2185723.880	425657.463	Asphalt	Hard/Dry/Clay/Rocky	10" Force Main (JEA)	PVC	0.3	19.55	15.15	14.26	0.89	
VVH -105	2185732.760	425656.140	Asphalt	Hard/Dry/Clay/Rocky	8" Force Main (JEA)	CIP	0.2	19.72	16.75	16.06	0.69	
VVH 106	2185740.822	425656.022	Asphalt	Hard/Dry/Clay/Rocky	10" PVC w/ 8" PVC inside (JEA)	PVC	0.2	19.80	15.86	14.97	0.89	
VVH 107	2185457.691	418986.938	Asphalt	Hard/Dry/Clay/Rocky	2x4" UNK (possibly abandoned)	Steel	0.45	25.52	22.32	21.95	0.91	
VVH -108	2185448.580	418948.512	Asphalt/Concrete	Hard/Dry/Clay/Rocky	12" Water Main (JEA)	DIP	0.70/0.80	25.55	24.00	22.91	1.09	
VVH - 200	N/A	N/A	Dirt	Soft/Wet/Clay	14" Water Main	DIP		21.52	19.51	18.26	1.25	
VVH - 201	N/A	N/A	Dirt	Soft/Wet/Clay	15" Force Main	PVC		24.27	21.38	20.13	1.25	
VVH - 500	N/A	N/A	Dirt	Hard/Soft/Wet/Dirt/Clay/Rocky	12" Force Main (JEA)	RCP		24.88	20.48	19.48	1.00	
VVH - 501	N/A	N/A	Dirt	Hard/Soft/Wet/Dry/Dirt/Clay	1" Water Service (JEA)	PE		24.78	22.44	22.33	0.11	
VVH - 502	N/A	N/A	Dirt	Soft/Wet/Dirt/Clay	6" Force Main (JEA)	PVC		24.40	21.07	20.49	0.58	

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VVH - 7	2185574.616	422259.326	Dirt	Dry/Dirt	(X3) 1 1/2" Fiber Optic Cable	PE		17.44	10.80	10.56	0.5	
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VVH - 10	2185471.025	416467.488	Asphalt/Other	Hard/Soft/Wet/Dry/Dirt	4" Buried Telephone (ATT/D)	PVC		26.24	23.30	22.90	0.40	
VVH - 11	2185470.567	416521.590	Asphalt/Dirt	Hard/Soft/Wet	(X2) 4" Electrical	PVC		26.41	19.29	18.89	0.90	
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VVH - 14	2185450.557	416552.595	Dirt	Soft/Wet/Rocky	+/- 14" Force Main	PVC		25.47	20.94	19.77	+/- 14"	
VVH - 15	2185546.649	421651.164	Dirt	Hard/Soft/Dirt	(X3) (LEV 3) 1 1/2" Fiber Optic Cable	PE		17.00	14.32	13.90	.417'	
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VVH - 41	2185690.307	426913.548	Dirt	Dirt	(1) 1 1/2" Gas Main	PE		20.39	16.72	16.60	0.12	
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VVH - 43	2185692.488	426881.331	Dirt	Wet/Dirt	(1) 4" Electrical	PVC		20.61	12.91	12.58	0.33	
VVH - 44	2185750.546	426771.951	Dirt	Wet/Dirt	(1) 6" Sanitary Sewer	PVC		20.49	14.75	14.25	0.50	
VVH - 45	2185689.315	427255.268	Dirt	Hard/Soft/Wet/Dry/Dirt/Rocky	6" Water Main	PVC		20.47	17.63	17.05	0.58	
VVH - 46	2185726.728	426860.037	Asphalt	Hard/Dry/Dirt/Rocky	8" Water Main (JEA)	CI	0.20	20.65	18.09	17.34	0.75	
VVH - 47	285736.828	425963.142	Asphalt	Hard/Soft/Dry/Dirt/Clay/Rocky	8" Force Main (JEA)	PVC	0.20	20.55	17.15	16.40	0.75	
VVH - 48	218483.785	420386.706	Dirt	Hard/Soft/Wet/Dry/Dirt/Clay	12" Water Main (JEA)	CI		17.60	13.70	12.60	1.10	
VVH - 49	218478.037	420222.836	Dirt	Hard/Soft/Wet/Dry/Dirt	12" Water Main (JEA)	CI		19.18	15.09	13.99	1.10	
VVH - 50	2185775.901	426113.465	Dirt	Hard/Soft/Dry/Sand/Dirt/Rocky	1 1/4" Unknown	PE		19.89	17.39	17.26	0.13	
VVH - 51	2185766.249	426105.297	Dirt	Hard/Soft/Dry/Sand/Dirt/Rocky	(X1) 1" (X1) 2" 4" Buried Telephone (AT&T)	PVC/DBC		20.31	18.14	17.74	0.40	
VVH - 52	285766.170	426104.644	Dirt	Hard/Soft/Dry/Sand/Dirt/Rocky	(X2) 4" Buried Telephone (AT&T)	PVC/Duct		20.34	17.21	16.81	0.75	
VVH - 53	2185766.183	426103.983	Dirt	Hard/Soft/Dry/Sand/Dirt/Rocky	4" Gas Main (TECO)	Steel		20.48	17.33	16.93	0.40	
VVH - 54	2185737.244	426115.318	Asphalt	Hard/Soft/Dry/Sand/Dirt/Clay/Rocky	6" Water Main (JEA)	PVC	0.35	20.61	16.35	15.77	0.58	
VVH - 55	2185713.768	425486.122	Asphalt	Hard/Dry/Sand/Dirt/Clay/Rocky	3x4" PVC BT Duct (AT&T)	PVC/Duct	0.15	21.120	18.000	17.60	1.13	
VVH - 60	2185673.850	423696.850	Dirt	Dry/Dirt/Rocky	10" Water Main (JEA)	CI		17.10	14.58	13.67	0.91	
VVH - 61	218682.925	423819.656	Dirt	Dry/Dirt/Rocky	10" Water Main (JEA)	CI		17.47	15.19	14.28	0.91	
VVH - 62	218603.236	422791.750	Dirt	Soft/Dry/Dirt/Rocky	1" Copper Water Main (JEA)	Copper		16.86	15.13	15.03	.10	
VVH - 63	218603.166	422790.351	Dirt	Soft/Dry/Dirt/Rocky	2" Steel Gas Main (JEA)	Steel		16.92	13.95	13.77	0.18	
VVH - 64	2185476.270	415964.430	Dirt	Hard/Wet/Dry/Dirt/Rocky	1/2" DBC-BT	DBC		25.95	21.35	21.31	0.04	
VVH - 65	218473.828	415021.255	Dirt	Hard/Dry/Dirt/Rocky	2" PVC FOC	PVC		25.09	22.57	22.39	0.18	
VVH - 66	218473.491	415017.255	Dirt	Hard/Dry/Dirt/Clay/Rocky	1" DBC-BT	DBC		25.149	22.639	22.559	0.08	
VVH - 67	218488.777	415000.101	Dirt	Hard/Soft/Dry/Dirt/Rocky	1" DBC-BT	DBC		9.08	6.09	6.01	0.08	
VVH - 68	218488.754	415002.748	Dirt	Hard/Soft/Dry/Dirt/Rocky	4" Force Main	PVC		9.25	4.37	4.04	0.33	

VVH - 69	218022.824	414965.752	Dirt	Soft/Dry/Dirt/Rocky	12" Water Main (JEA)	PVC		22.809	19.379	18.339	1.04	
VVh - 70	2185504.455	41885.808	Asphalt/Concrete	Soft/Wet/Sand/Dirt/Rocky	4x3" BE Duct	PVC	0.60/0.70	25.440	20.04	—	2.70+/-	
VVH - 71	2186022.291	414969.310	Asphalt	Hard/Dry/Clay/Rocky	1/2" DBC-BT	DBC	0.25	23.07	19.63	19.59	0.04	
VVH - 72	2185769.165	414999.309	Dirt	Hard/Dry/Clay/Rocky	15" Water Main (JEA)	DIP		24.314	19.304	18.054	1.25	
VVH - 73	218538.487	414998.946	Dirt	Hard/Dry/Clay/Rocky	2" Water Main (JEA)	PVC		23.196	20.706	20.396	0.19	
VVH - 74	2185654.315	423838.056	Dirt	Hard/Dry/Clay/Rocky	2" Hydrogen Peroxide Dose Line	PVC		17.423	15.903	15.693	0.21	
VVH - 75	2185657.582	423859.157	Dirt	Hard/Dry/Dirt/Clay/Rocky	12" Force Main (JEA)	PVC		17.587	12.307	11.247	1.06	
VVH - 76	2185681.832	423836.165	Concrete	Hard/Dry/Dirt/Rocky	2" Hydrogen Peroxide Dose Line	PVC	0.5	17.751	16.091	15.881	0.21	
VVH - 77	2185542.868	421600.915	Asphalt	Hard/Dry/Dirt/Clay/Rocky	12" Water Main (JEA)	CI	0.9	17.208	12.638	11.548	1.09	
VVH - 78	2185542.948	421604.983	Asphalt	Hard/Dry/Dirt/Clay/Rocky	4" FOC (AT&T)	Steel	0.9	17.158	13.168	12.818	0.35	
VVH - 79	2185706.624	425555.328	Asphalt	Hard/Dry/Dirt/Clay/Rocky	12" Water Main (JEA)	Steel	0.4	21.947	19.407	18.347	1.06	
VVH - 80	2185442.711	415968.227	Dirt	Hard/Soft/Wet/Dirt	12" Force Main (JEA)	PVC		23.552	18.912	17.912	1.00	
VVH - 100	2185721.119	425597.840	Asphalt	Hard/Dry/Dirt/Clay/Rocky	1" Gas Main (JEA or TECO?)	Steel	0.3	19.93	17.98	17.87	0.11	
VVH - 101	2185701.940	425494.679	Concrete	Hard/Dry/Clay/Rocky	4" Gas Main (JEA or TECO?)	Steel	0.35	21.06	17.44	17.10	0.34	
VVH - 102	2185703.811	425494.522	Concrete	Hard/Dry/Clay/Rocky	2x2" BE	PVC	0.35	20.99	18.39	18.21	0.37	
VVH - 103	2185719.954	425656.877	Asphalt	Hard/Dry/Clay/Rocky	6" Force Main (JEA)	CIP	0.3	19.40	16.26	15.74	0.52	
VVH 104	2185723.880	425657.463	Asphalt	Hard/Dry/Clay/Rocky	10" Force Main (JEA)	PVC	0.3	19.55	15.15	14.26	0.89	
VVH -105	2185732.760	425656.140	Asphalt	Hard/Dry/Clay/Rocky	8" Force Main (JEA)	CIP	0.2	19.72	16.75	16.06	0.69	
VVH 106	2185740.822	425656.022	Asphalt	Hard/Dry/Clay/Rocky	10" PVC w/ 8" PVC inside (JEA)	PVC	0.2	19.80	15.86	14.97	0.89	
VVH 107	2185457.691	418986.938	Asphalt	Hard/Dry/Clay/Rocky	2x4" UNK (possibly abandoned)	Steel	0.45	25.52	22.32	21.95	0.91	
VVH -108	2185448.580	418948.512	Asphalt/Concrete	Hard/Dry/Clay/Rocky	12" Water Main (JEA)	DIP	0.70/0.80	25.55	24.00	22.91	1.09	
VVH - 200	N/A	N/A	Dirt	Soft/Wet/Clay	14" Water Main	DIP		21.52	19.51	18.26	1.25	
VVH - 201	N/A	N/A	Dirt	Soft/Wet/Clay	15" Force Main	PVC		24.27	21.38	20.13	1.25	
VVH - 500	N/A	N/A	Dirt	Hard/Soft/Wet/Dirt/Clay/Rocky	12" Force Main (JEA)	RCP		24.88	20.48	19.48	1.00	
VVH - 501	N/A	N/A	Dirt	Hard/Soft/Wet/Dry/Dirt/Clay	1" Water Service (JEA)	PE		24.78	22.44	22.33	0.11	
VVH - 502	N/A	N/A	Dirt	Soft/Wet/Dirt/Clay	6" Force Main (JEA)	PVC		24.40	21.07	20.49	0.58	

**JEA 5th Street W Route Study - Vacuum Test Hole (TH) Report Summary**

Test Hole	Northing	Easting	Ground Type	Soil Condition	Utility Found	Material	Pavement Thickness	Elev. At Grade	Elev. At Top	Elev. At Bottom	Width of Utility	Comment
VVH - 1	2185476.254	418233.164	Dirt	Dry/Dirt	1/2" Buried Telephone (ATT/D)	DBC		22.84	20.10	20.06	0.04	
VVH - 2	2185478.458	418230.173	Dirt	Dry/Dirt	1 1/2" Buried Telephone (ATT/D)	DBC		22.84	20.64	20.52	0.12	
VVH - 3	2185476.934	417928.276	Dirt	Dry/Dirt	1" Buried Telephone (ATT/D)	DBC		22.04	19.55	19.47	0.08	
VVH - 4	2185475.149	417310.397	Dirt	Dry/Dirt	1/2" Buried Telephone (ATT/D)	DBC		22.34	20.61	20.67	0.04	
VVH - 5	2185475.293	417307.909	Dirt	Dry/Dirt	1/2" Buried Telephone (ATT/D)	DBC		23.21	20.97	20.93	0.04	
VVH - 6	2185579.473	422361.346	Dirt	Dry/Dirt	1" Water Main	Copper		17.39	14.60	14.52	.08	
VVH - 7	2185574.616	422259.326	Dirt	Dry/Dirt	(X3) 1 1/2" Fiber Optic Cable	PE		17.44	10.80	10.56	0.5	
VVH - 8	2185562.895	421930.713	Dirt	Dry/Dirt	1" Buried Telephone (ATT/D)	PE		16.65	14.87	14.79	0.08	
VVH - 9	2185552.758	421827.706	Dirt	Dry/Dirt	1" Water Main	PVC		17.02	15.88	15.80	0.08	
VVH - 10	2185471.025	416467.488	Asphalt/Other	Hard/Soft/Wet/Dry/Dirt	4" Buried Telephone (ATT/D)	PVC		26.24	23.30	22.90	0.40	
VVH - 11	2185470.567	416521.590	Asphalt/Dirt	Hard/Soft/Wet	(X2) 4" Electrical	PVC		26.41	19.29	18.89	0.90	
VVH - 12	2185476.163	416564.940	Dirt	Hard/Soft/Wet	1" Buried Telephone (ATT/D)	DBC		25.95	23.13	23.05	0.08	
VVH - 13	2185479.208	416565.271	Dirt	Hard/Soft/Wet	1" Buried Telephone (ATT/D)	DBC		25.89	23.17	23.09	0.08	
VVH - 14	2185450.557	416552.595	Dirt	Soft/Wet/Rocky	+/- 14" Force Main	PVC		25.47	20.94	19.77	+/- 14"	
VVH - 15	2185546.649	421651.164	Dirt	Hard/Soft/Dirt	(X3) (LEV 3) 1 1/2" Fiber Optic Cable	PE		17.00	14.32	13.90	.417'	
VVH - 16	2185549.169	421666.671	Dirt	Hard/Soft/Wet/Dry/Dirt	12" Water Main (JEA)	Steel		16.68	13.26	12.17	1.09	
VVH - 17	285548.361	421666.672	Dirt	Hard/Soft/Dirt	3" Unknown	PVC		16.85	13.45	13.20	.250'	
VVH - 18	2185483.431	419683.687	Dirt	Hard/Soft/Wet/Dirt/Clay	4" Force Main (JEA)	PVC		25.48	17.05	16.65	0.4	
VVH - 19	2185689.960	427658.358	Dirt	Hard/Soft/Wet/Dirt/Clay	1" Water Main (JEA)	PVC		20.77	17.93	17.83	0.10	
VVH - 20	2185539.768	418971.462	Dirt	Hard/Dry/Dirt	4" Gas Main	Steel		25.80	22.53	22.13	0.4	
VVH - 21	2185489.224	419024.107	Dirt	Soft/Dry/Sand/Dirt	16" Water Main (JEA)	Steel		25.24	23.14	21.82	16"	
VVH - 23	2185688.646	427460.554	Dirt	Hard/Soft/Wet/Dirt	8" Water Main (JEA)	PVC		20.57	17.38	16.63	.75'	
VVH - 24	2185484.965	419063.083	Dirt	Soft/Wet/Sand/Clay	2" Gas Main	PE		25.44	23.23	23.03	0.20	
VVH - 25	2185487.017	419063.070	Dirt	Hard/Wet/Dirt	12" Water Main (JEA)	Steel		25.29	22.03	20.84	1.09	
VVH - 26	2185487.590	419141.871	Asphalt	Soft/Wet/Dirt	4" Electrical (# of conduit unk)	PVC	0.4	25.58	18.60	17.80	.80	
VVH - 27	2185485.696	419224.521	Dirt	Hard/Soft/Wet/Dirt	16" Unknown	Steel		25.39	20.73	19.41	1.32	
VVH - 28	2185480.479	419802.741	Dirt	Wet/Sand/Dirt/Clay	14" Water Main	DIP		24.78	21.95	20.86	1.09	
VVH - 29	2185479.806	419876.072	Dirt	Soft/Wet/Dirt	12" Water Main (JEA)	Steel		24.22	19.31	18.22	1.09	
VVH - 30	2185555.804	421552.589	Dirt	Hard/Soft/Wet/Dirt	2" Buried Telephone (ATT/D)	PE		22.58	19.49	19.29	0.20	
VVH - 31	2185505.987	420888.480	Dirt	Dry/Dirt	1" Water Main (JEA)	PVC		16.88	15.45	15.37	0.08'	
VVH - 32	2185505.944	420887.806	Dirt	Dry/Dirt	1" Water Main (JEA)	PVC		16.88	15.03	14.95	0.08'	
VVH - 33	2185689.805	427454.463	Dirt	Hard/Soft/Wet/Dirt	10" Unknown	PE		20.61	18.03	17.11	0.92'	
VVH - 34	22185689.661	427449.481	Dirt	Soft/Dry/Dirt	10" Unknown	PE		20.62	16.82	15.90	0.92'	
VVH - 35	2185689.745	427449.135	Dirt	Dry/Dirt	2" Unknown	PVC		20.64	17.44	17.64	0.20'	
VVH - 36	2185689.629	427450.199	Dirt	Hard/Soft/Wet/Dirt	1/4" Buried Telephone (ATT/D)	DBC		20.55	20.17	20.15	0.02'	
VVH - 37	2185681.646	427195.846	Dirt	Dry/Dirt	3" Water Main	Steel		20.29	18.59	18.26	0.33	
VVH - 38	2185681.740	427192.278	Dirt	Dry/Dirt	4" Water Main	PVC		20.52	17.66	17.26	0.40	
VVH - 39	2185691.592	427136.168	Dirt	Hard/Soft/Wet	4" Buried Telephone/Fiber Optic Cable	Steel		20.39	18.37	17.97	.40	
VVH - 40	2185686.277	427942.269	Dirt	Clay	(1) 4" Electrical	PVC		21.43	16.41	16.08	0.33	
VVH - 41	2185690.307	426913.548	Dirt	Dirt	(1) 1 1/2" Gas Main	PE		20.39	16.72	16.60	0.12	
VVH - 42	2185691.426	426885.486	Dirt	Dirt	(1) 10" Water Main	PVC		20.41	17.39	16.56	0.83	
VVH - 43	2185692.488	426881.331	Dirt	Wet/Dirt	(1) 4" Electrical	PVC		20.61	12.91	12.58	0.33	
VVH - 44	2185750.546	426771.951	Dirt	Wet/Dirt	(1) 6" Sanitary Sewer	PVC		20.49	14.75	14.25	0.50	
VVH - 45	2185689.315	427255.268	Dirt	Hard/Soft/Wet/Dry/Dirt/Rocky	6" Water Main	PVC		20.47	17.63	17.05	0.58	
VVH - 46	2185726.728	426860.037	Asphalt	Hard/Dry/Dirt/Rocky	8" Water Main (JEA)	CI	0.20	20.65	18.09	17.34	0.75	
VVH - 47	285736.828	425963.142	Asphalt	Hard/Soft/Dry/Dirt/Clay/Rocky	8" Force Main (JEA)	PVC	0.20	20.55	17.15	16.40	0.75	
VVH - 48	218483.785	420386.706	Dirt	Hard/Soft/Wet/Dry/Dirt/Clay	12" Water Main (JEA)	CI		17.60	13.70	12.60	1.10	
VVH - 49	218478.037	420222.836	Dirt	Hard/Soft/Wet/Dry/Dirt	12" Water Main (JEA)	CI		19.18	15.09	13.99	1.10	
VVH - 50	2185775.901	426113.465	Dirt	Hard/Soft/Dry/Sand/Dirt/Rocky	1 1/4" Unknown	PE		19.89	17.39	17.26	0.13	
VVH - 51	2185766.249	426105.297	Dirt	Hard/Soft/Dry/Sand/Dirt/Rocky	(X1) 1" (X1) 2" 4" Buried Telephone (AT&T)	PVC/DBC		20.31	18.14	17.74	0.40	
VVH - 52	285766.170	426104.644	Dirt	Hard/Soft/Dry/Sand/Dirt/Rocky	(X2) 4" Buried Telephone (AT&T)	PVC/Duct		20.34	17.21	16.81	0.75	
VVH - 53	2185766.183	426103.983	Dirt	Hard/Soft/Dry/Sand/Dirt/Rocky	4" Gas Main (TECO)	Steel		20.48	17.33	16.93	0.40	
VVH - 54	2185737.244	426115.318	Asphalt	Hard/Soft/Dry/Sand/Dirt/Clay/Rocky	6" Water Main (JEA)	PVC	0.35	20.61	16.35	15.77	0.58	
VVH - 55	2185713.768	425486.122	Asphalt	Hard/Dry/Sand/Dirt/Clay/Rocky	3x4" PVC BT Duct (AT&T)	PVC/Duct	0.15	21.120	18.000	17.60	1.13	
VVH - 60	2185673.850	423696.850	Dirt	Dry/Dirt/Rocky	10" Water Main (JEA)	CI		17.10	14.58	13.67	0.91	
VVH - 61	218682.925	423819.656	Dirt	Dry/Dirt/Rocky	10" Water Main (JEA)	CI		17.47	15.19	14.28	0.91	
VVH - 62	218603.236	422791.750	Dirt	Soft/Dry/Dirt/Rocky	1" Copper Water Main (JEA)	Copper		16.86	15.13	15.03	.10	
VVH - 63	218603.166	422790.351	Dirt	Soft/Dry/Dirt/Rocky	2" Steel Gas Main (JEA)	Steel		16.92	13.95	13.77	0.18	
VVH - 64	2185476.270	415964.430	Dirt	Hard/Wet/Dry/Dirt/Rocky	1/2" DBC-BT	DBC		25.95	21.35	21.31	0.04	
VVH - 65	218473.828	415021.255	Dirt	Hard/Dry/Dirt/Rocky	2" PVC FOC	PVC		25.09	22.57	22.39	0.18	
VVH - 66	218473.491	415017.255	Dirt	Hard/Dry/Dirt/Clay/Rocky	1" DBC-BT	DBC		25.149	22.639	22.559	0.08	
VVH - 67	218488.777	415000.101	Dirt	Hard/Soft/Dry/Dirt/Rocky	1" DBC-BT	DBC		9.08	6.09	6.01	0.08	
VVH - 68	218488.754	415002.748	Dirt	Hard/Soft/Dry/Dirt/Rocky	4" Force Main	PVC		9.25	4.37	4.04	0.33	

VVH - 69	218022.824	414965.752	Dirt	Soft/Dry/Dirt/Rocky	12" Water Main (JEA)	PVC		22.809	19.379	18.339	1.04	
VVh - 70	2185504.455	41885.808	Asphalt/Concrete	Soft/Wet/Sand/Dirt/Rocky	4x3" BE Duct	PVC	0.60/0.70	25.440	20.04	—	2.70+/-	
VVH - 71	2186022.291	414969.310	Asphalt	Hard/Dry/Clay/Rocky	1/2" DBC-BT	DBC	0.25	23.07	19.63	19.59	0.04	
VVH - 72	2185769.165	414999.309	Dirt	Hard/Dry/Clay/Rocky	15" Water Main (JEA)	DIP		24.314	19.304	18.054	1.25	
VVH - 73	218538.487	414998.946	Dirt	Hard/Dry/Clay/Rocky	2" Water Main (JEA)	PVC		23.196	20.706	20.396	0.19	
VVH - 74	2185654.315	423838.056	Dirt	Hard/Dry/Clay/Rocky	2" Hydrogen Peroxide Dose Line	PVC		17.423	15.903	15.693	0.21	
VVH - 75	2185657.582	423859.157	Dirt	Hard/Dry/Dirt/Clay/Rocky	12" Force Main (JEA)	PVC		17.587	12.307	11.247	1.06	
VVH - 76	2185681.832	423836.165	Concrete	Hard/Dry/Dirt/Rocky	2" Hydrogen Peroxide Dose Line	PVC	0.5	17.751	16.091	15.881	0.21	
VVH - 77	2185542.868	421600.915	Asphalt	Hard/Dry/Dirt/Clay/Rocky	12" Water Main (JEA)	CI	0.9	17.208	12.638	11.548	1.09	
VVH - 78	2185542.948	421604.983	Asphalt	Hard/Dry/Dirt/Clay/Rocky	4" FOC (AT&T)	Steel	0.9	17.158	13.168	12.818	0.35	
VVH - 79	2185706.624	425555.328	Asphalt	Hard/Dry/Dirt/Clay/Rocky	12" Water Main (JEA)	Steel	0.4	21.947	19.407	18.347	1.06	
VVH - 80	2185442.711	415968.227	Dirt	Hard/Soft/Wet/Dirt	12" Force Main (JEA)	PVC		23.552	18.912	17.912	1.00	
VVH - 100	2185721.119	425597.840	Asphalt	Hard/Dry/Dirt/Clay/Rocky	1" Gas Main (JEA or TECO?)	Steel	0.3	19.93	17.98	17.87	0.11	
VVH - 101	2185701.940	425494.679	Concrete	Hard/Dry/Clay/Rocky	4" Gas Main (JEA or TECO?)	Steel	0.35	21.06	17.44	17.10	0.34	
VVH - 102	2185703.811	425494.522	Concrete	Hard/Dry/Clay/Rocky	2x2" BE	PVC	0.35	20.99	18.39	18.21	0.37	
VVH - 103	2185719.954	425656.877	Asphalt	Hard/Dry/Clay/Rocky	6" Force Main (JEA)	CIP	0.3	19.40	16.26	15.74	0.52	
VVH 104	2185723.880	425657.463	Asphalt	Hard/Dry/Clay/Rocky	10" Force Main (JEA)	PVC	0.3	19.55	15.15	14.26	0.89	
VVH -105	2185732.760	425656.140	Asphalt	Hard/Dry/Clay/Rocky	8" Force Main (JEA)	CIP	0.2	19.72	16.75	16.06	0.69	
VVH 106	2185740.822	425656.022	Asphalt	Hard/Dry/Clay/Rocky	10" PVC w/ 8" PVC inside (JEA)	PVC	0.2	19.80	15.86	14.97	0.89	
VVH 107	2185457.691	418986.938	Asphalt	Hard/Dry/Clay/Rocky	2x4" UNK (possibly abandoned)	Steel	0.45	25.52	22.32	21.95	0.91	
VVH -108	2185448.580	418948.512	Asphalt/Concrete	Hard/Dry/Clay/Rocky	12" Water Main (JEA)	DIP	0.70/0.80	25.55	24.00	22.91	1.09	
VVH - 200	N/A	N/A	Dirt	Soft/Wet/Clay	14" Water Main	DIP		21.52	19.51	18.26	1.25	
VVH - 201	N/A	N/A	Dirt	Soft/Wet/Clay	15" Force Main	PVC		24.27	21.38	20.13	1.25	
VVH - 500	N/A	N/A	Dirt	Hard/Soft/Wet/Dirt/Clay/Rocky	12" Force Main (JEA)	RCP		24.88	20.48	19.48	1.00	
VVH - 501	N/A	N/A	Dirt	Hard/Soft/Wet/Dry/Dirt/Clay	1" Water Service (JEA)	PE		24.78	22.44	22.33	0.11	
VVH - 502	N/A	N/A	Dirt	Soft/Wet/Dirt/Clay	6" Force Main (JEA)	PVC		24.40	21.07	20.49	0.58	

**JEA 5th Street W Route Study - Vacuum Test Hole (TH) Report Summary**

Test Hole	Northing	Easting	Ground Type	Soil Condition	Utility Found	Material	Pavement Thickness	Elev. At Grade	Elev. At Top	Elev. At Bottom	Width of Utility	Comment
VVH - 1	2185476.254	418233.164	Dirt	Dry/Dirt	1/2" Buried Telephone (ATT/D)	DBC		22.84	20.10	20.06	0.04	
VVH - 2	2185478.458	418230.173	Dirt	Dry/Dirt	1 1/2" Buried Telephone (ATT/D)	DBC		22.84	20.64	20.52	0.12	
VVH - 3	2185476.934	417928.276	Dirt	Dry/Dirt	1" Buried Telephone (ATT/D)	DBC		22.04	19.55	19.47	0.08	
VVH - 4	2185475.149	417310.397	Dirt	Dry/Dirt	1/2" Buried Telephone (ATT/D)	DBC		22.34	20.61	20.67	0.04	
VVH - 5	2185475.293	417307.909	Dirt	Dry/Dirt	1/2" Buried Telephone (ATT/D)	DBC		23.21	20.97	20.93	0.04	
VVH - 6	2185579.473	422361.346	Dirt	Dry/Dirt	1" Water Main	Copper		17.39	14.60	14.52	.08	
VVH - 7	2185574.616	422259.326	Dirt	Dry/Dirt	(X3) 1 1/2" Fiber Optic Cable	PE		17.44	10.80	10.56	0.5	
VVH - 8	2185562.895	421930.713	Dirt	Dry/Dirt	1" Buried Telephone (ATT/D)	PE		16.65	14.87	14.79	0.08	
VVH - 9	2185552.758	421827.706	Dirt	Dry/Dirt	1" Water Main	PVC		17.02	15.88	15.80	0.08	
VVH - 10	2185471.025	416467.488	Asphalt/Other	Hard/Soft/Wet/Dry/Dirt	4" Buried Telephone (ATT/D)	PVC		26.24	23.30	22.90	0.40	
VVH - 11	2185470.567	416521.590	Asphalt/Dirt	Hard/Soft/Wet	(X2) 4" Electrical	PVC		26.41	19.29	18.89	0.90	
VVH - 12	2185476.163	416564.940	Dirt	Hard/Soft/Wet	1" Buried Telephone (ATT/D)	DBC		25.95	23.13	23.05	0.08	
VVH - 13	2185479.208	416565.271	Dirt	Hard/Soft/Wet	1" Buried Telephone (ATT/D)	DBC		25.89	23.17	23.09	0.08	
VVH - 14	2185450.557	416552.595	Dirt	Soft/Wet/Rocky	+/- 14" Force Main	PVC		25.47	20.94	19.77	+/- 14"	
VVH - 15	2185546.649	421651.164	Dirt	Hard/Soft/Dirt	(X3) (LEV 3) 1 1/2" Fiber Optic Cable	PE		17.00	14.32	13.90	.417'	
VVH - 16	2185549.169	421666.671	Dirt	Hard/Soft/Wet/Dry/Dirt	12" Water Main (JEA)	Steel		16.68	13.26	12.17	1.09	
VVH - 17	285548.361	421666.672	Dirt	Hard/Soft/Dirt	3" Unknown	PVC		16.85	13.45	13.20	.250'	
VVH - 18	2185483.431	419683.687	Dirt	Hard/Soft/Wet/Dirt/Clay	4" Force Main (JEA)	PVC		25.48	17.05	16.65	0.4	
VVH - 19	2185689.960	427658.358	Dirt	Hard/Soft/Wet/Dirt/Clay	1" Water Main (JEA)	PVC		20.77	17.93	17.83	0.10	
VVH - 20	2185539.768	418971.462	Dirt	Hard/Dry/Dirt	4" Gas Main	Steel		25.80	22.53	22.13	0.4	
VVH - 21	2185489.224	419024.107	Dirt	Soft/Dry/Sand/Dirt	16" Water Main (JEA)	Steel		25.24	23.14	21.82	16"	
VVH - 23	2185688.646	427460.554	Dirt	Hard/Soft/Wet/Dirt	8" Water Main (JEA)	PVC		20.57	17.38	16.63	.75'	
VVH - 24	2185484.965	419063.083	Dirt	Soft/Wet/Sand/Clay	2" Gas Main	PE		25.44	23.23	23.03	0.20	
VVH - 25	2185487.017	419063.070	Dirt	Hard/Wet/Dirt	12" Water Main (JEA)	Steel		25.29	22.03	20.84	1.09	
VVH - 26	2185487.590	419141.871	Asphalt	Soft/Wet/Dirt	4" Electrical (# of conduit unk)	PVC	0.4	25.58	18.60	17.80	.80	
VVH - 27	2185485.696	419224.521	Dirt	Hard/Soft/Wet/Dirt	16" Unknown	Steel		25.39	20.73	19.41	1.32	
VVH - 28	2185480.479	419802.741	Dirt	Wet/Sand/Dirt/Clay	14" Water Main	DIP		24.78	21.95	20.86	1.09	
VVH - 29	2185479.806	419876.072	Dirt	Soft/Wet/Dirt	12" Water Main (JEA)	Steel		24.22	19.31	18.22	1.09	
VVH - 30	2185555.804	421552.589	Dirt	Hard/Soft/Wet/Dirt	2" Buried Telephone (ATT/D)	PE		22.58	19.49	19.29	0.20	
VVH - 31	2185505.987	420888.480	Dirt	Dry/Dirt	1" Water Main (JEA)	PVC		16.88	15.45	15.37	0.08'	
VVH - 32	2185505.944	420887.806	Dirt	Dry/Dirt	1" Water Main (JEA)	PVC		16.88	15.03	14.95	0.08'	
VVH - 33	2185689.805	427454.463	Dirt	Hard/Soft/Wet/Dirt	10" Unknown	PE		20.61	18.03	17.11	0.92'	
VVH - 34	22185689.661	427449.481	Dirt	Soft/Dry/Dirt	10" Unknown	PE		20.62	16.82	15.90	0.92'	
VVH - 35	2185689.745	427449.135	Dirt	Dry/Dirt	2" Unknown	PVC		20.64	17.44	17.64	0.20'	
VVH - 36	2185689.629	427450.199	Dirt	Hard/Soft/Wet/Dirt	1/4" Buried Telephone (ATT/D)	DBC		20.55	20.17	20.15	0.02'	
VVH - 37	2185681.646	427195.846	Dirt	Dry/Dirt	3" Water Main	Steel		20.29	18.59	18.26	0.33	
VVH - 38	2185681.740	427192.278	Dirt	Dry/Dirt	4" Water Main	PVC		20.52	17.66	17.26	0.40	
VVH - 39	2185691.592	427136.168	Dirt	Hard/Soft/Wet	4" Buried Telephone/Fiber Optic Cable	Steel		20.39	18.37	17.97	.40	
VVH - 40	2185686.277	427942.269	Dirt	Clay	(1) 4" Electrical	PVC		21.43	16.41	16.08	0.33	
VVH - 41	2185690.307	426913.548	Dirt	Dirt	(1) 1 1/2" Gas Main	PE		20.39	16.72	16.60	0.12	
VVH - 42	2185691.426	426885.486	Dirt	Dirt	(1) 10" Water Main	PVC		20.41	17.39	16.56	0.83	
VVH - 43	2185692.488	426881.331	Dirt	Wet/Dirt	(1) 4" Electrical	PVC		20.61	12.91	12.58	0.33	
VVH - 44	2185750.546	426771.951	Dirt	Wet/Dirt	(1) 6" Sanitary Sewer	PVC		20.49	14.75	14.25	0.50	
VVH - 45	2185689.315	427255.268	Dirt	Hard/Soft/Wet/Dry/Dirt/Rocky	6" Water Main	PVC		20.47	17.63	17.05	0.58	
VVH - 46	2185726.728	426860.037	Asphalt	Hard/Dry/Dirt/Rocky	8" Water Main (JEA)	CI	0.20	20.65	18.09	17.34	0.75	
VVH - 47	285736.828	425963.142	Asphalt	Hard/Soft/Dry/Dirt/Clay/Rocky	8" Force Main (JEA)	PVC	0.20	20.55	17.15	16.40	0.75	
VVH - 48	218483.785	420386.706	Dirt	Hard/Soft/Wet/Dry/Dirt/Clay	12" Water Main (JEA)	CI		17.60	13.70	12.60	1.10	
VVH - 49	218478.037	420222.836	Dirt	Hard/Soft/Wet/Dry/Dirt	12" Water Main (JEA)	CI		19.18	15.09	13.99	1.10	
VVH - 50	2185775.901	426113.465	Dirt	Hard/Soft/Dry/Sand/Dirt/Rocky	1 1/4" Unknown	PE		19.89	17.39	17.26	0.13	
VVH - 51	2185766.249	426105.297	Dirt	Hard/Soft/Dry/Sand/Dirt/Rocky	(X1) 1" (X1) 2" 4" Buried Telephone (AT&T)	PVC/DBC		20.31	18.14	17.74	0.40	
VVH - 52	285766.170	426104.644	Dirt	Hard/Soft/Dry/Sand/Dirt/Rocky	(X2) 4" Buried Telephone (AT&T)	PVC/Duct		20.34	17.21	16.81	0.75	
VVH - 53	2185766.183	426103.983	Dirt	Hard/Soft/Dry/Sand/Dirt/Rocky	4" Gas Main (TECO)	Steel		20.48	17.33	16.93	0.40	
VVH - 54	2185737.244	426115.318	Asphalt	Hard/Soft/Dry/Sand/Dirt/Clay/Rocky	6" Water Main (JEA)	PVC	0.35	20.61	16.35	15.77	0.58	
VVH - 55	2185713.768	425486.122	Asphalt	Hard/Dry/Sand/Dirt/Clay/Rocky	3x4" PVC BT Duct (AT&T)	PVC/Duct	0.15	21.120	18.000	17.60	1.13	
VVH - 60	2185673.850	423696.850	Dirt	Dry/Dirt/Rocky	10" Water Main (JEA)	CI		17.10	14.58	13.67	0.91	
VVH - 61	218682.925	423819.656	Dirt	Dry/Dirt/Rocky	10" Water Main (JEA)	CI		17.47	15.19	14.28	0.91	
VVH - 62	218603.236	422791.750	Dirt	Soft/Dry/Dirt/Rocky	1" Copper Water Main (JEA)	Copper		16.86	15.13	15.03	.10	
VVH - 63	218603.166	422790.351	Dirt	Soft/Dry/Dirt/Rocky	2" Steel Gas Main (JEA)	Steel		16.92	13.95	13.77	0.18	
VVH - 64	2185476.270	415964.430	Dirt	Hard/Wet/Dry/Dirt/Rocky	1/2" DBC-BT	DBC		25.95	21.35	21.31	0.04	
VVH - 65	218473.828	415021.255	Dirt	Hard/Dry/Dirt/Rocky	2" PVC FOC	PVC		25.09	22.57	22.39	0.18	
VVH - 66	218473.491	415017.255	Dirt	Hard/Dry/Dirt/Clay/Rocky	1" DBC-BT	DBC		25.149	22.639	22.559	0.08	
VVH - 67	218488.777	415000.101	Dirt	Hard/Soft/Dry/Dirt/Rocky	1" DBC-BT	DBC		9.08	6.09	6.01	0.08	
VVH - 68	218488.754	415002.748	Dirt	Hard/Soft/Dry/Dirt/Rocky	4" Force Main	PVC		9.25	4.37	4.04	0.33	

VVH - 69	218022.824	414965.752	Dirt	Soft/Dry/Dirt/Rocky	12" Water Main (JEA)	PVC		22.809	19.379	18.339	1.04	
VVh - 70	2185504.455	41885.808	Asphalt/Concrete	Soft/Wet/Sand/Dirt/Rocky	4x3" BE Duct	PVC	0.60/0.70	25.440	20.04	—	2.70+/-	
VVH - 71	2186022.291	414969.310	Asphalt	Hard/Dry/Clay/Rocky	1/2" DBC-BT	DBC	0.25	23.07	19.63	19.59	0.04	
VVH - 72	2185769.165	414999.309	Dirt	Hard/Dry/Clay/Rocky	15" Water Main (JEA)	DIP		24.314	19.304	18.054	1.25	
VVH - 73	218538.487	414998.946	Dirt	Hard/Dry/Clay/Rocky	2" Water Main (JEA)	PVC		23.196	20.706	20.396	0.19	
VVH - 74	2185654.315	423838.056	Dirt	Hard/Dry/Clay/Rocky	2" Hydrogen Peroxide Dose Line	PVC		17.423	15.903	15.693	0.21	
VVH - 75	2185657.582	423859.157	Dirt	Hard/Dry/Dirt/Clay/Rocky	12" Force Main (JEA)	PVC		17.587	12.307	11.247	1.06	
VVH - 76	2185681.832	423836.165	Concrete	Hard/Dry/Dirt/Rocky	2" Hydrogen Peroxide Dose Line	PVC	0.5	17.751	16.091	15.881	0.21	
VVH - 77	2185542.868	421600.915	Asphalt	Hard/Dry/Dirt/Clay/Rocky	12" Water Main (JEA)	CI	0.9	17.208	12.638	11.548	1.09	
VVH - 78	2185542.948	421604.983	Asphalt	Hard/Dry/Dirt/Clay/Rocky	4" FOC (AT&T)	Steel	0.9	17.158	13.168	12.818	0.35	
VVH - 79	2185706.624	425555.328	Asphalt	Hard/Dry/Dirt/Clay/Rocky	12" Water Main (JEA)	Steel	0.4	21.947	19.407	18.347	1.06	
VVH - 80	2185442.711	415968.227	Dirt	Hard/Soft/Wet/Dirt	12" Force Main (JEA)	PVC		23.552	18.912	17.912	1.00	
VVH - 100	2185721.119	425597.840	Asphalt	Hard/Dry/Dirt/Clay/Rocky	1" Gas Main (JEA or TECO?)	Steel	0.3	19.93	17.98	17.87	0.11	
VVH - 101	2185701.940	425494.679	Concrete	Hard/Dry/Clay/Rocky	4" Gas Main (JEA or TECO?)	Steel	0.35	21.06	17.44	17.10	0.34	
VVH - 102	2185703.811	425494.522	Concrete	Hard/Dry/Clay/Rocky	2x2" BE	PVC	0.35	20.99	18.39	18.21	0.37	
VVH - 103	2185719.954	425656.877	Asphalt	Hard/Dry/Clay/Rocky	6" Force Main (JEA)	CIP	0.3	19.40	16.26	15.74	0.52	
VVH 104	2185723.880	425657.463	Asphalt	Hard/Dry/Clay/Rocky	10" Force Main (JEA)	PVC	0.3	19.55	15.15	14.26	0.89	
VVH -105	2185732.760	425656.140	Asphalt	Hard/Dry/Clay/Rocky	8" Force Main (JEA)	CIP	0.2	19.72	16.75	16.06	0.69	
VVH 106	2185740.822	425656.022	Asphalt	Hard/Dry/Clay/Rocky	10" PVC w/ 8" PVC inside (JEA)	PVC	0.2	19.80	15.86	14.97	0.89	
VVH 107	2185457.691	418986.938	Asphalt	Hard/Dry/Clay/Rocky	2x4" UNK (possibly abandoned)	Steel	0.45	25.52	22.32	21.95	0.91	
VVH -108	2185448.580	418948.512	Asphalt/Concrete	Hard/Dry/Clay/Rocky	12" Water Main (JEA)	DIP	0.70/0.80	25.55	24.00	22.91	1.09	
VVH - 200	N/A	N/A	Dirt	Soft/Wet/Clay	14" Water Main	DIP		21.52	19.51	18.26	1.25	
VVH - 201	N/A	N/A	Dirt	Soft/Wet/Clay	15" Force Main	PVC		24.27	21.38	20.13	1.25	
VVH - 500	N/A	N/A	Dirt	Hard/Soft/Wet/Dirt/Clay/Rocky	12" Force Main (JEA)	RCP		24.88	20.48	19.48	1.00	
VVH - 501	N/A	N/A	Dirt	Hard/Soft/Wet/Dry/Dirt/Clay	1" Water Service (JEA)	PE		24.78	22.44	22.33	0.11	
VVH - 502	N/A	N/A	Dirt	Soft/Wet/Dirt/Clay	6" Force Main (JEA)	PVC		24.40	21.07	20.49	0.58	



**JEA 5th Street W Route Study - Vacuum Test Hole (TH) Report Summary**

Test Hole	Northing	Easting	Ground Type	Soil Condition	Utility Found	Material	Pavement Thickness	Elev. At Grade	Elev. At Top	Elev. At Bottom	Width of Utility	Comment
VVH - 1	2185476.254	418233.164	Dirt	Dry/Dirt	1/2" Buried Telephone (ATT/D)	DBC		22.84	20.10	20.06	0.04	
VVH - 2	2185478.458	418230.173	Dirt	Dry/Dirt	1 1/2" Buried Telephone (ATT/D)	DBC		22.84	20.64	20.52	0.12	
VVH - 3	2185476.934	417928.276	Dirt	Dry/Dirt	1" Buried Telephone (ATT/D)	DBC		22.04	19.55	19.47	0.08	
VVH - 4	2185475.149	417310.397	Dirt	Dry/Dirt	1/2" Buried Telephone (ATT/D)	DBC		22.34	20.61	20.67	0.04	
VVH - 5	2185475.293	417307.909	Dirt	Dry/Dirt	1/2" Buried Telephone (ATT/D)	DBC		23.21	20.97	20.93	0.04	
VVH - 6	2185579.473	422361.346	Dirt	Dry/Dirt	1" Water Main	Copper		17.39	14.60	14.52	.08	
VVH - 7	2185574.616	422259.326	Dirt	Dry/Dirt	(X3) 1 1/2" Fiber Optic Cable	PE		17.44	10.80	10.56	0.5	
VVH - 8	2185562.895	421930.713	Dirt	Dry/Dirt	1" Buried Telephone (ATT/D)	PE		16.65	14.87	14.79	0.08	
VVH - 9	2185552.758	421827.706	Dirt	Dry/Dirt	1" Water Main	PVC		17.02	15.88	15.80	0.08	
VVH - 10	2185471.025	416467.488	Asphalt/Other	Hard/Soft/Wet/Dry/Dirt	4" Buried Telephone (ATT/D)	PVC		26.24	23.30	22.90	0.40	
VVH - 11	2185470.567	416521.590	Asphalt/Dirt	Hard/Soft/Wet	(X2) 4" Electrical	PVC		26.41	19.29	18.89	0.90	
VVH - 12	2185476.163	416564.940	Dirt	Hard/Soft/Wet	1" Buried Telephone (ATT/D)	DBC		25.95	23.13	23.05	0.08	
VVH - 13	2185479.208	416565.271	Dirt	Hard/Soft/Wet	1" Buried Telephone (ATT/D)	DBC		25.89	23.17	23.09	0.08	
VVH - 14	2185450.557	416552.595	Dirt	Soft/Wet/Rocky	+/- 14" Force Main	PVC		25.47	20.94	19.77	+/- 14"	
VVH - 15	2185546.649	421651.164	Dirt	Hard/Soft/Dirt	(X3) (LEV 3) 1 1/2" Fiber Optic Cable	PE		17.00	14.32	13.90	.417'	
VVH - 16	2185549.169	421666.671	Dirt	Hard/Soft/Wet/Dry/Dirt	12" Water Main (JEA)	Steel		16.68	13.26	12.17	1.09	
VVH - 17	285548.361	421666.672	Dirt	Hard/Soft/Dirt	3" Unknown	PVC		16.85	13.45	13.20	.250'	
VVH - 18	2185483.431	419683.687	Dirt	Hard/Soft/Wet/Dirt/Clay	4" Force Main (JEA)	PVC		25.48	17.05	16.65	0.4	
VVH - 19	2185689.960	427658.358	Dirt	Hard/Soft/Wet/Dirt/Clay	1" Water Main (JEA)	PVC		20.77	17.93	17.83	0.10	
VVH - 20	2185539.768	418971.462	Dirt	Hard/Dry/Dirt	4" Gas Main	Steel		25.80	22.53	22.13	0.4	
VVH - 21	2185489.224	419024.107	Dirt	Soft/Dry/Sand/Dirt	16" Water Main (JEA)	Steel		25.24	23.14	21.82	16"	
VVH - 23	2185688.646	427460.554	Dirt	Hard/Soft/Wet/Dirt	8" Water Main (JEA)	PVC		20.57	17.38	16.63	.75'	
VVH - 24	2185484.965	419063.083	Dirt	Soft/Wet/Sand/Clay	2" Gas Main	PE		25.44	23.23	23.03	0.20	
VVH - 25	2185487.017	419063.070	Dirt	Hard/Wet/Dirt	12" Water Main (JEA)	Steel		25.29	22.03	20.84	1.09	
VVH - 26	2185487.590	419141.871	Asphalt	Soft/Wet/Dirt	4" Electrical (# of conduit unk)	PVC	0.4	25.58	18.60	17.80	.80	
VVH - 27	2185485.696	419224.521	Dirt	Hard/Soft/Wet/Dirt	16" Unknown	Steel		25.39	20.73	19.41	1.32	
VVH - 28	2185480.479	419802.741	Dirt	Wet/Sand/Dirt/Clay	14" Water Main	DIP		24.78	21.95	20.86	1.09	
VVH - 29	2185479.806	419876.072	Dirt	Soft/Wet/Dirt	12" Water Main (JEA)	Steel		24.22	19.31	18.22	1.09	
VVH - 30	2185555.804	421552.589	Dirt	Hard/Soft/Wet/Dirt	2" Buried Telephone (ATT/D)	PE		22.58	19.49	19.29	0.20	
VVH - 31	2185505.987	420888.480	Dirt	Dry/Dirt	1" Water Main (JEA)	PVC		16.88	15.45	15.37	0.08'	
VVH - 32	2185505.944	420887.806	Dirt	Dry/Dirt	1" Water Main (JEA)	PVC		16.88	15.03	14.95	0.08'	
VVH - 33	2185689.805	427454.463	Dirt	Hard/Soft/Wet/Dirt	10" Unknown	PE		20.61	18.03	17.11	0.92'	
VVH - 34	22185689.661	427449.481	Dirt	Soft/Dry/Dirt	10" Unknown	PE		20.62	16.82	15.90	0.92'	
VVH - 35	2185689.745	427449.135	Dirt	Dry/Dirt	2" Unknown	PVC		20.64	17.44	17.64	0.20'	
VVH - 36	2185689.629	427450.199	Dirt	Hard/Soft/Wet/Dirt	1/4" Buried Telephone (ATT/D)	DBC		20.55	20.17	20.15	0.02'	
VVH - 37	2185681.646	427195.846	Dirt	Dry/Dirt	3" Water Main	Steel		20.29	18.59	18.26	0.33	
VVH - 38	2185681.740	427192.278	Dirt	Dry/Dirt	4" Water Main	PVC		20.52	17.66	17.26	0.40	
VVH - 39	2185691.592	427136.168	Dirt	Hard/Soft/Wet	4" Buried Telephone/Fiber Optic Cable	Steel		20.39	18.37	17.97	.40	
VVH - 40	2185686.277	427942.269	Dirt	Clay	(1) 4" Electrical	PVC		21.43	16.41	16.08	0.33	
VVH - 41	2185690.307	426913.548	Dirt	Dirt	(1) 1 1/2" Gas Main	PE		20.39	16.72	16.60	0.12	
VVH - 42	2185691.426	426885.486	Dirt	Dirt	(1) 10" Water Main	PVC		20.41	17.39	16.56	0.83	
VVH - 43	2185692.488	426881.331	Dirt	Wet/Dirt	(1) 4" Electrical	PVC		20.61	12.91	12.58	0.33	
VVH - 44	2185750.546	426771.951	Dirt	Wet/Dirt	(1) 6" Sanitary Sewer	PVC		20.49	14.75	14.25	0.50	
VVH - 45	2185689.315	427255.268	Dirt	Hard/Soft/Wet/Dry/Dirt/Rocky	6" Water Main	PVC		20.47	17.63	17.05	0.58	
VVH - 46	2185726.728	426860.037	Asphalt	Hard/Dry/Dirt/Rocky	8" Water Main (JEA)	CI	0.20	20.65	18.09	17.34	0.75	
VVH - 47	285736.828	425963.142	Asphalt	Hard/Soft/Dry/Dirt/Clay/Rocky	8" Force Main (JEA)	PVC	0.20	20.55	17.15	16.40	0.75	
VVH - 48	218483.785	420386.706	Dirt	Hard/Soft/Wet/Dry/Dirt/Clay	12" Water Main (JEA)	CI		17.60	13.70	12.60	1.10	
VVH - 49	218478.037	420222.836	Dirt	Hard/Soft/Wet/Dry/Dirt	12" Water Main (JEA)	CI		19.18	15.09	13.99	1.10	
VVH - 50	2185775.901	426113.465	Dirt	Hard/Soft/Dry/Sand/Dirt/Rocky	1 1/4" Unknown	PE		19.89	17.39	17.26	0.13	
VVH - 51	2185766.249	426105.297	Dirt	Hard/Soft/Dry/Sand/Dirt/Rocky	(X1) 1" (X1) 2" 4" Buried Telephone (AT&T)	PVC/DBC		20.31	18.14	17.74	0.40	
VVH - 52	285766.170	426104.644	Dirt	Hard/Soft/Dry/Sand/Dirt/Rocky	(X2) 4" Buried Telephone (AT&T)	PVC/Duct		20.34	17.21	16.81	0.75	
VVH - 53	2185766.183	426103.983	Dirt	Hard/Soft/Dry/Sand/Dirt/Rocky	4" Gas Main (TECO)	Steel		20.48	17.33	16.93	0.40	
VVH - 54	2185737.244	426115.318	Asphalt	Hard/Soft/Dry/Sand/Dirt/Clay/Rocky	6" Water Main (JEA)	PVC	0.35	20.61	16.35	15.77	0.58	
VVH - 55	2185713.768	425486.122	Asphalt	Hard/Dry/Sand/Dirt/Clay/Rocky	3x4" PVC BT Duct (AT&T)	PVC/Duct	0.15	21.120	18.000	17.60	1.13	
VVH - 60	2185673.850	423696.850	Dirt	Dry/Dirt/Rocky	10" Water Main (JEA)	CI		17.10	14.58	13.67	0.91	
VVH - 61	218682.925	423819.656	Dirt	Dry/Dirt/Rocky	10" Water Main (JEA)	CI		17.47	15.19	14.28	0.91	
VVH - 62	218603.236	422791.750	Dirt	Soft/Dry/Dirt/Rocky	1" Copper Water Main (JEA)	Copper		16.86	15.13	15.03	.10	
VVH - 63	218603.166	422790.351	Dirt	Soft/Dry/Dirt/Rocky	2" Steel Gas Main (JEA)	Steel		16.92	13.95	13.77	0.18	
VVH - 64	2185476.270	415964.430	Dirt	Hard/Wet/Dry/Dirt/Rocky	1/2" DBC-BT	DBC		25.95	21.35	21.31	0.04	
VVH - 65	218473.828	415021.255	Dirt	Hard/Dry/Dirt/Rocky	2" PVC FOC	PVC		25.09	22.57	22.39	0.18	
VVH - 66	218473.491	415017.255	Dirt	Hard/Dry/Dirt/Clay/Rocky	1" DBC-BT	DBC		25.149	22.639	22.559	0.08	
VVH - 67	218488.777	415000.101	Dirt	Hard/Soft/Dry/Dirt/Rocky	1" DBC-BT	DBC		9.08	6.09	6.01	0.08	
VVH - 68	218488.754	415002.748	Dirt	Hard/Soft/Dry/Dirt/Rocky	4" Force Main	PVC		9.25	4.37	4.04	0.33	

VVH - 69	218022.824	414965.752	Dirt	Soft/Dry/Dirt/Rocky	12" Water Main (JEA)	PVC		22.809	19.379	18.339	1.04	
VVh - 70	2185504.455	41885.808	Asphalt/Concrete	Soft/Wet/Sand/Dirt/Rocky	4x3" BE Duct	PVC	0.60/0.70	25.440	20.04	—	2.70+/-	
VVH - 71	2186022.291	414969.310	Asphalt	Hard/Dry/Clay/Rocky	1/2" DBC-BT	DBC	0.25	23.07	19.63	19.59	0.04	
VVH - 72	2185769.165	414999.309	Dirt	Hard/Dry/Clay/Rocky	15" Water Main (JEA)	DIP		24.314	19.304	18.054	1.25	
VVH - 73	218538.487	414998.946	Dirt	Hard/Dry/Clay/Rocky	2" Water Main (JEA)	PVC		23.196	20.706	20.396	0.19	
VVH - 74	2185654.315	423838.056	Dirt	Hard/Dry/Clay/Rocky	2" Hydrogen Peroxide Dose Line	PVC		17.423	15.903	15.693	0.21	
VVH - 75	2185657.582	423859.157	Dirt	Hard/Dry/Dirt/Clay/Rocky	12" Force Main (JEA)	PVC		17.587	12.307	11.247	1.06	
VVH - 76	2185681.832	423836.165	Concrete	Hard/Dry/Dirt/Rocky	2" Hydrogen Peroxide Dose Line	PVC	0.5	17.751	16.091	15.881	0.21	
VVH - 77	2185542.868	421600.915	Asphalt	Hard/Dry/Dirt/Clay/Rocky	12" Water Main (JEA)	CI	0.9	17.208	12.638	11.548	1.09	
VVH - 78	2185542.948	421604.983	Asphalt	Hard/Dry/Dirt/Clay/Rocky	4" FOC (AT&T)	Steel	0.9	17.158	13.168	12.818	0.35	
VVH - 79	2185706.624	425555.328	Asphalt	Hard/Dry/Dirt/Clay/Rocky	12" Water Main (JEA)	Steel	0.4	21.947	19.407	18.347	1.06	
VVH - 80	2185442.711	415968.227	Dirt	Hard/Soft/Wet/Dirt	12" Force Main (JEA)	PVC		23.552	18.912	17.912	1.00	
VVH - 100	2185721.119	425597.840	Asphalt	Hard/Dry/Dirt/Clay/Rocky	1" Gas Main (JEA or TECO?)	Steel	0.3	19.93	17.98	17.87	0.11	
VVH - 101	2185701.940	425494.679	Concrete	Hard/Dry/Clay/Rocky	4" Gas Main (JEA or TECO?)	Steel	0.35	21.06	17.44	17.10	0.34	
VVH - 102	2185703.811	425494.522	Concrete	Hard/Dry/Clay/Rocky	2x2" BE	PVC	0.35	20.99	18.39	18.21	0.37	
VVH - 103	2185719.954	425656.877	Asphalt	Hard/Dry/Clay/Rocky	6" Force Main (JEA)	CIP	0.3	19.40	16.26	15.74	0.52	
VVH 104	2185723.880	425657.463	Asphalt	Hard/Dry/Clay/Rocky	10" Force Main (JEA)	PVC	0.3	19.55	15.15	14.26	0.89	
VVH -105	2185732.760	425656.140	Asphalt	Hard/Dry/Clay/Rocky	8" Force Main (JEA)	CIP	0.2	19.72	16.75	16.06	0.69	
VVH 106	2185740.822	425656.022	Asphalt	Hard/Dry/Clay/Rocky	10" PVC w/ 8" PVC inside (JEA)	PVC	0.2	19.80	15.86	14.97	0.89	
VVH 107	2185457.691	418986.938	Asphalt	Hard/Dry/Clay/Rocky	2x4" UNK (possibly abandoned)	Steel	0.45	25.52	22.32	21.95	0.91	
VVH -108	2185448.580	418948.512	Asphalt/Concrete	Hard/Dry/Clay/Rocky	12" Water Main (JEA)	DIP	0.70/0.80	25.55	24.00	22.91	1.09	
VVH - 200	N/A	N/A	Dirt	Soft/Wet/Clay	14" Water Main	DIP		21.52	19.51	18.26	1.25	
VVH - 201	N/A	N/A	Dirt	Soft/Wet/Clay	15" Force Main	PVC		24.27	21.38	20.13	1.25	
VVH - 500	N/A	N/A	Dirt	Hard/Soft/Wet/Dirt/Clay/Rocky	12" Force Main (JEA)	RCP		24.88	20.48	19.48	1.00	
VVH - 501	N/A	N/A	Dirt	Hard/Soft/Wet/Dry/Dirt/Clay	1" Water Service (JEA)	PE		24.78	22.44	22.33	0.11	
VVH - 502	N/A	N/A	Dirt	Soft/Wet/Dirt/Clay	6" Force Main (JEA)	PVC		24.40	21.07	20.49	0.58	

**JEA 5th Street W Route Study - Vacuum Test Hole (TH) Report Summary**

Test Hole	Northing	Easting	Ground Type	Soil Condition	Utility Found	Material	Pavement Thickness	Elev. At Grade	Elev. At Top	Elev. At Bottom	Width of Utility	Comment
VVH - 1	2185476.254	418233.164	Dirt	Dry/Dirt	1/2" Buried Telephone (ATT/D)	DBC		22.84	20.10	20.06	0.04	
VVH - 2	2185478.458	418230.173	Dirt	Dry/Dirt	1 1/2" Buried Telephone (ATT/D)	DBC		22.84	20.64	20.52	0.12	
VVH - 3	2185476.934	417928.276	Dirt	Dry/Dirt	1" Buried Telephone (ATT/D)	DBC		22.04	19.55	19.47	0.08	
VVH - 4	2185475.149	417310.397	Dirt	Dry/Dirt	1/2" Buried Telephone (ATT/D)	DBC		22.34	20.61	20.67	0.04	
VVH - 5	2185475.293	417307.909	Dirt	Dry/Dirt	1/2" Buried Telephone (ATT/D)	DBC		23.21	20.97	20.93	0.04	
VVH - 6	2185579.473	422361.346	Dirt	Dry/Dirt	1" Water Main	Copper		17.39	14.60	14.52	.08	
VVH - 7	2185574.616	422259.326	Dirt	Dry/Dirt	(X3) 1 1/2" Fiber Optic Cable	PE		17.44	10.80	10.56	0.5	
VVH - 8	2185562.895	421930.713	Dirt	Dry/Dirt	1" Buried Telephone (ATT/D)	PE		16.65	14.87	14.79	0.08	
VVH - 9	2185552.758	421827.706	Dirt	Dry/Dirt	1" Water Main	PVC		17.02	15.88	15.80	0.08	
VVH - 10	2185471.025	416467.488	Asphalt/Other	Hard/Soft/Wet/Dry/Dirt	4" Buried Telephone (ATT/D)	PVC		26.24	23.30	22.90	0.40	
VVH - 11	2185470.567	416521.590	Asphalt/Dirt	Hard/Soft/Wet	(X2) 4" Electrical	PVC		26.41	19.29	18.89	0.90	
VVH - 12	2185476.163	416564.940	Dirt	Hard/Soft/Wet	1" Buried Telephone (ATT/D)	DBC		25.95	23.13	23.05	0.08	
VVH - 13	2185479.208	416565.271	Dirt	Hard/Soft/Wet	1" Buried Telephone (ATT/D)	DBC		25.89	23.17	23.09	0.08	
VVH - 14	2185450.557	416552.595	Dirt	Soft/Wet/Rocky	+/- 14" Force Main	PVC		25.47	20.94	19.77	+/- 14"	
VVH - 15	2185546.649	421651.164	Dirt	Hard/Soft/Dirt	(X3) (LEV 3) 1 1/2" Fiber Optic Cable	PE		17.00	14.32	13.90	.417'	
VVH - 16	2185549.169	421666.671	Dirt	Hard/Soft/Wet/Dry/Dirt	12" Water Main (JEA)	Steel		16.68	13.26	12.17	1.09	
VVH - 17	285548.361	421666.672	Dirt	Hard/Soft/Dirt	3" Unknown	PVC		16.85	13.45	13.20	.250'	
VVH - 18	2185483.431	419683.687	Dirt	Hard/Soft/Wet/Dirt/Clay	4" Force Main (JEA)	PVC		25.48	17.05	16.65	0.4	
VVH - 19	2185689.960	427658.358	Dirt	Hard/Soft/Wet/Dirt/Clay	1" Water Main (JEA)	PVC		20.77	17.93	17.83	0.10	
VVH - 20	2185539.768	418971.462	Dirt	Hard/Dry/Dirt	4" Gas Main	Steel		25.80	22.53	22.13	0.4	
VVH - 21	2185489.224	419024.107	Dirt	Soft/Dry/Sand/Dirt	16" Water Main (JEA)	Steel		25.24	23.14	21.82	16"	
VVH - 23	2185688.646	427460.554	Dirt	Hard/Soft/Wet/Dirt	8" Water Main (JEA)	PVC		20.57	17.38	16.63	.75'	
VVH - 24	2185484.965	419063.083	Dirt	Soft/Wet/Sand/Clay	2" Gas Main	PE		25.44	23.23	23.03	0.20	
VVH - 25	2185487.017	419063.070	Dirt	Hard/Wet/Dirt	12" Water Main (JEA)	Steel		25.29	22.03	20.84	1.09	
VVH - 26	2185487.590	419141.871	Asphalt	Soft/Wet/Dirt	4" Electrical (# of conduit unk)	PVC	0.4	25.58	18.60	17.80	.80	
VVH - 27	2185485.696	419224.521	Dirt	Hard/Soft/Wet/Dirt	16" Unknown	Steel		25.39	20.73	19.41	1.32	
VVH - 28	2185480.479	419802.741	Dirt	Wet/Sand/Dirt/Clay	14" Water Main	DIP		24.78	21.95	20.86	1.09	
VVH - 29	2185479.806	419876.072	Dirt	Soft/Wet/Dirt	12" Water Main (JEA)	Steel		24.22	19.31	18.22	1.09	
VVH - 30	2185555.804	421552.589	Dirt	Hard/Soft/Wet/Dirt	2" Buried Telephone (ATT/D)	PE		22.58	19.49	19.29	0.20	
VVH - 31	2185505.987	420888.480	Dirt	Dry/Dirt	1" Water Main (JEA)	PVC		16.88	15.45	15.37	0.08'	
VVH - 32	2185505.944	420887.806	Dirt	Dry/Dirt	1" Water Main (JEA)	PVC		16.88	15.03	14.95	0.08'	
VVH - 33	2185689.805	427454.463	Dirt	Hard/Soft/Wet/Dirt	10" Unknown	PE		20.61	18.03	17.11	0.92'	
VVH - 34	22185689.661	427449.481	Dirt	Soft/Dry/Dirt	10" Unknown	PE		20.62	16.82	15.90	0.92'	
VVH - 35	2185689.745	427449.135	Dirt	Dry/Dirt	2" Unknown	PVC		20.64	17.44	17.64	0.20'	
VVH - 36	2185689.629	427450.199	Dirt	Hard/Soft/Wet/Dirt	1/4" Buried Telephone (ATT/D)	DBC		20.55	20.17	20.15	0.02'	
VVH - 37	2185681.646	427195.846	Dirt	Dry/Dirt	3" Water Main	Steel		20.29	18.59	18.26	0.33	
VVH - 38	2185681.740	427192.278	Dirt	Dry/Dirt	4" Water Main	PVC		20.52	17.66	17.26	0.40	
VVH - 39	2185691.592	427136.168	Dirt	Hard/Soft/Wet	4" Buried Telephone/Fiber Optic Cable	Steel		20.39	18.37	17.97	.40	
VVH - 40	2185686.277	427942.269	Dirt	Clay	(1) 4" Electrical	PVC		21.43	16.41	16.08	0.33	
VVH - 41	2185690.307	426913.548	Dirt	Dirt	(1) 1 1/2" Gas Main	PE		20.39	16.72	16.60	0.12	
VVH - 42	2185691.426	426885.486	Dirt	Dirt	(1) 10" Water Main	PVC		20.41	17.39	16.56	0.83	
VVH - 43	2185692.488	426881.331	Dirt	Wet/Dirt	(1) 4" Electrical	PVC		20.61	12.91	12.58	0.33	
VVH - 44	2185750.546	426771.951	Dirt	Wet/Dirt	(1) 6" Sanitary Sewer	PVC		20.49	14.75	14.25	0.50	
VVH - 45	2185689.315	427255.268	Dirt	Hard/Soft/Wet/Dry/Dirt/Rocky	6" Water Main	PVC		20.47	17.63	17.05	0.58	
VVH - 46	2185726.728	426860.037	Asphalt	Hard/Dry/Dirt/Rocky	8" Water Main (JEA)	CI	0.20	20.65	18.09	17.34	0.75	
VVH - 47	285736.828	425963.142	Asphalt	Hard/Soft/Dry/Dirt/Clay/Rocky	8" Force Main (JEA)	PVC	0.20	20.55	17.15	16.40	0.75	
VVH - 48	218483.785	420386.706	Dirt	Hard/Soft/Wet/Dry/Dirt/Clay	12" Water Main (JEA)	CI		17.60	13.70	12.60	1.10	
VVH - 49	218478.037	420222.836	Dirt	Hard/Soft/Wet/Dry/Dirt	12" Water Main (JEA)	CI		19.18	15.09	13.99	1.10	
VVH - 50	2185775.901	426113.465	Dirt	Hard/Soft/Dry/Sand/Dirt/Rocky	1 1/4" Unknown	PE		19.89	17.39	17.26	0.13	
VVH - 51	2185766.249	426105.297	Dirt	Hard/Soft/Dry/Sand/Dirt/Rocky	(X1) 1" (X1) 2" 4" Buried Telephone (AT&T)	PVC/DBC		20.31	18.14	17.74	0.40	
VVH - 52	285766.170	426104.644	Dirt	Hard/Soft/Dry/Sand/Dirt/Rocky	(X2) 4" Buried Telephone (AT&T)	PVC/Duct		20.34	17.21	16.81	0.75	
VVH - 53	2185766.183	426103.983	Dirt	Hard/Soft/Dry/Sand/Dirt/Rocky	4" Gas Main (TECO)	Steel		20.48	17.33	16.93	0.40	
VVH - 54	2185737.244	426115.318	Asphalt	Hard/Soft/Dry/Sand/Dirt/Clay/Rocky	6" Water Main (JEA)	PVC	0.35	20.61	16.35	15.77	0.58	
VVH - 55	2185713.768	425486.122	Asphalt	Hard/Dry/Sand/Dirt/Clay/Rocky	3x4" PVC BT Duct (AT&T)	PVC/Duct	0.15	21.120	18.000	17.60	1.13	
VVH - 60	2185673.850	423696.850	Dirt	Dry/Dirt/Rocky	10" Water Main (JEA)	CI		17.10	14.58	13.67	0.91	
VVH - 61	218682.925	423819.656	Dirt	Dry/Dirt/Rocky	10" Water Main (JEA)	CI		17.47	15.19	14.28	0.91	
VVH - 62	218603.236	422791.750	Dirt	Soft/Dry/Dirt/Rocky	1" Copper Water Main (JEA)	Copper		16.86	15.13	15.03	.10	
VVH - 63	218603.166	422790.351	Dirt	Soft/Dry/Dirt/Rocky	2" Steel Gas Main (JEA)	Steel		16.92	13.95	13.77	0.18	
VVH - 64	2185476.270	415964.430	Dirt	Hard/Wet/Dry/Dirt/Rocky	1/2" DBC-BT	DBC		25.95	21.35	21.31	0.04	
VVH - 65	218473.828	415021.255	Dirt	Hard/Dry/Dirt/Rocky	2" PVC FOC	PVC		25.09	22.57	22.39	0.18	
VVH - 66	218473.491	415017.255	Dirt	Hard/Dry/Dirt/Clay/Rocky	1" DBC-BT	DBC		25.149	22.639	22.559	0.08	
VVH - 67	218488.777	415000.101	Dirt	Hard/Soft/Dry/Dirt/Rocky	1" DBC-BT	DBC		9.08	6.09	6.01	0.08	
VVH - 68	218488.754	415002.748	Dirt	Hard/Soft/Dry/Dirt/Rocky	4" Force Main	PVC		9.25	4.37	4.04	0.33	

VVH - 69	218022.824	414965.752	Dirt	Soft/Dry/Dirt/Rocky	12" Water Main (JEA)	PVC		22.809	19.379	18.339	1.04	
VVh - 70	2185504.455	41885.808	Asphalt/Concrete	Soft/Wet/Sand/Dirt/Rocky	4x3" BE Duct	PVC	0.60/0.70	25.440	20.04	—	2.70+/-	
VVH - 71	2186022.291	414969.310	Asphalt	Hard/Dry/Clay/Rocky	1/2" DBC-BT	DBC	0.25	23.07	19.63	19.59	0.04	
VVH - 72	2185769.165	414999.309	Dirt	Hard/Dry/Clay/Rocky	15" Water Main (JEA)	DIP		24.314	19.304	18.054	1.25	
VVH - 73	218538.487	414998.946	Dirt	Hard/Dry/Clay/Rocky	2" Water Main (JEA)	PVC		23.196	20.706	20.396	0.19	
VVH - 74	2185654.315	423838.056	Dirt	Hard/Dry/Clay/Rocky	2" Hydrogen Peroxide Dose Line	PVC		17.423	15.903	15.693	0.21	
VVH - 75	2185657.582	423859.157	Dirt	Hard/Dry/Dirt/Clay/Rocky	12" Force Main (JEA)	PVC		17.587	12.307	11.247	1.06	
VVH - 76	2185681.832	423836.165	Concrete	Hard/Dry/Dirt/Rocky	2" Hydrogen Peroxide Dose Line	PVC	0.5	17.751	16.091	15.881	0.21	
VVH - 77	2185542.868	421600.915	Asphalt	Hard/Dry/Dirt/Clay/Rocky	12" Water Main (JEA)	CI	0.9	17.208	12.638	11.548	1.09	
VVH - 78	2185542.948	421604.983	Asphalt	Hard/Dry/Dirt/Clay/Rocky	4" FOC (AT&T)	Steel	0.9	17.158	13.168	12.818	0.35	
VVH - 79	2185706.624	425555.328	Asphalt	Hard/Dry/Dirt/Clay/Rocky	12" Water Main (JEA)	Steel	0.4	21.947	19.407	18.347	1.06	
VVH - 80	2185442.711	415968.227	Dirt	Hard/Soft/Wet/Dirt	12" Force Main (JEA)	PVC		23.552	18.912	17.912	1.00	
VVH - 100	2185721.119	425597.840	Asphalt	Hard/Dry/Dirt/Clay/Rocky	1" Gas Main (JEA or TECO?)	Steel	0.3	19.93	17.98	17.87	0.11	
VVH - 101	2185701.940	425494.679	Concrete	Hard/Dry/Clay/Rocky	4" Gas Main (JEA or TECO?)	Steel	0.35	21.06	17.44	17.10	0.34	
VVH - 102	2185703.811	425494.522	Concrete	Hard/Dry/Clay/Rocky	2x2" BE	PVC	0.35	20.99	18.39	18.21	0.37	
VVH - 103	2185719.954	425656.877	Asphalt	Hard/Dry/Clay/Rocky	6" Force Main (JEA)	CIP	0.3	19.40	16.26	15.74	0.52	
VVH 104	2185723.880	425657.463	Asphalt	Hard/Dry/Clay/Rocky	10" Force Main (JEA)	PVC	0.3	19.55	15.15	14.26	0.89	
VVH -105	2185732.760	425656.140	Asphalt	Hard/Dry/Clay/Rocky	8" Force Main (JEA)	CIP	0.2	19.72	16.75	16.06	0.69	
VVH 106	2185740.822	425656.022	Asphalt	Hard/Dry/Clay/Rocky	10" PVC w/ 8" PVC inside (JEA)	PVC	0.2	19.80	15.86	14.97	0.89	
VVH 107	2185457.691	418986.938	Asphalt	Hard/Dry/Clay/Rocky	2x4" UNK (possibly abandoned)	Steel	0.45	25.52	22.32	21.95	0.91	
VVH -108	2185448.580	418948.512	Asphalt/Concrete	Hard/Dry/Clay/Rocky	12" Water Main (JEA)	DIP	0.70/0.80	25.55	24.00	22.91	1.09	
VVH - 200	N/A	N/A	Dirt	Soft/Wet/Clay	14" Water Main	DIP		21.52	19.51	18.26	1.25	
VVH - 201	N/A	N/A	Dirt	Soft/Wet/Clay	15" Force Main	PVC		24.27	21.38	20.13	1.25	
VVH - 500	N/A	N/A	Dirt	Hard/Soft/Wet/Dirt/Clay/Rocky	12" Force Main (JEA)	RCP		24.88	20.48	19.48	1.00	
VVH - 501	N/A	N/A	Dirt	Hard/Soft/Wet/Dry/Dirt/Clay	1" Water Service (JEA)	PE		24.78	22.44	22.33	0.11	
VVH - 502	N/A	N/A	Dirt	Soft/Wet/Dirt/Clay	6" Force Main (JEA)	PVC		24.40	21.07	20.49	0.58	