



**Summerlin West Village 27 Parcel M - Mass Grading
Interim Condition Natural Wash HEC-RAS Analysis Summary**

Station	Q (cfs)	FL Elev (ft)	WS Elev (ft)	Depth (ft)	Vel (ft/s)	Top Width (ft)	Froude #
39+33.00	2457	4168.96	4171.55	2.59	13.52	137.75	2.08
34+80.00	2457	4135.00	4137.48	2.48	11.71	232.38	2.09
33+19.00	2457	4121.97	4124.73	2.76	15.26	103.99	2.13
32+40.00	2457	4117.61	4120.06	2.45	10.89	226.67	1.94
32+17.00	2457	4116.00	4118.49	2.49	10.86	199.07	1.83
31+59.00	2457	4111.65	4114.45	2.80	11.82	200.18	2.03
31+33.00	2457	4110.29	4110.70	0.41	3.98	119.02	1.45
29+08.00	2457	4091.48	4094.05	2.57	12.53	182.76	2.13
27+32.00	2457	4078.37	4080.99	2.62	12.50	152.74	1.94
26+31.00	2457	4071.55	4074.32	2.77	12.56	165.39	2.04
25+17.00	2457	4064.48	4067.64	3.16	12.81	151.14	2.01
23+45.00	2457	4053.74	4056.36	2.62	12.60	152.20	1.96
22+20.00	2457	4045.21	4047.99	2.78	13.23	134.38	1.98
21+42.00	2457	4039.97	4042.63	2.66	13.95	136.03	2.16
20+61.00	2457	4031.66	4034.74	3.08	15.58	111.61	2.31
20+02.00	2457	4026.47	4029.35	2.88	15.52	105.41	2.23
19+53.00	2457	4022.65	4025.28	2.63	16.34	98.12	2.33
18+84.00	2457	4014.11	4015.68	1.57	13.67	145.00	2.17
18+28.00	2457	4010.84	4015.28	4.44	7.54	123.56	0.82
17+89.00	2457	4009.53	4013.75	4.22	10.60	113.87	1.31
17+46.00	2457	4007.96	4012.32	4.36	9.96	137.24	1.31
16+92.00	2457	4006.22	4009.77	3.55	12.06	119.79	1.63
16+42.00	2457	4004.51	4007.68	3.17	12.84	120.61	1.80
15+80.00	2457	4002.42	4005.13	2.71	11.93	149.67	1.79
14+59.00	2457	3994.23	3997.72	3.49	13.09	140.27	2.00
12+67.00	2457	3978.85	3981.56	2.71	17.06	77.42	2.21
11+70.00	2457	3961.34	3966.58	5.24	25.92	34.47	2.76
11+34.00	2457	3950.60	3953.66	3.06	33.36	35.32	4.07
10+98.00	2457	3947.19	3952.44	5.25	25.87	30.46	2.58
10+16.00	2457	3940.38	3946.39	6.01	23.57	32.76	2.33
07+28.00	2457	3920.06	3926.03	5.97	23.28	29.73	2.18
04+42.00	2457	3899.39	3905.01	5.62	22.83	33.51	2.25

FIGURE - 9b

INTERIM CONDITION HEC-RAS VELOCITY ANALYSIS FOR NORTH BOUNDARY BERM

VILLAGE 27 PARCEL M - MASS GRADING

KEY

- PARCEL M BOUNDARY
- RIVER
- SECTIONS
- FLOW ARROWS

VELOCITY (fps)

- <math>< 5.0</math>
- 5.0 - 8.0
- 8.0 - 12.0
- 12.0 - 15.0
- > 15.0



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