

HEC-RAS Plan: As-Built River: Tijeras Arroyo Reach: 1

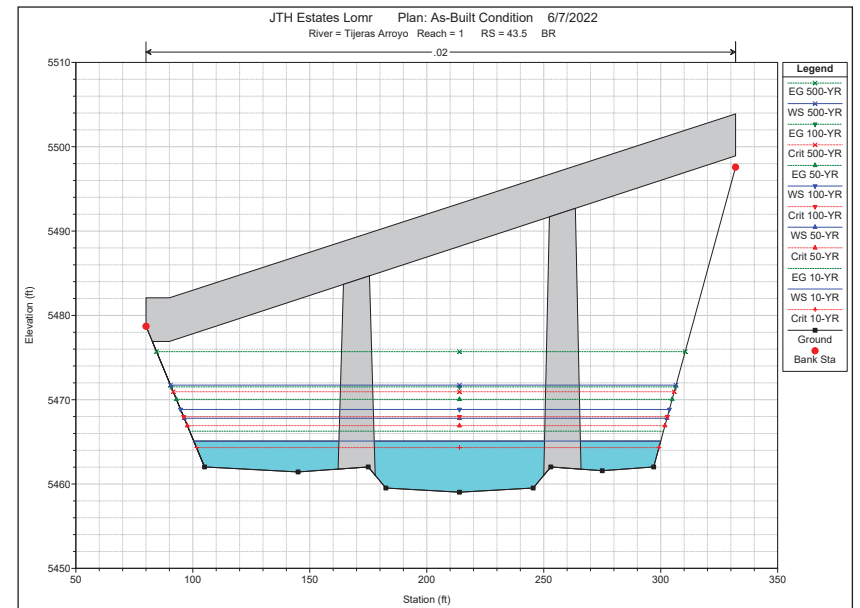
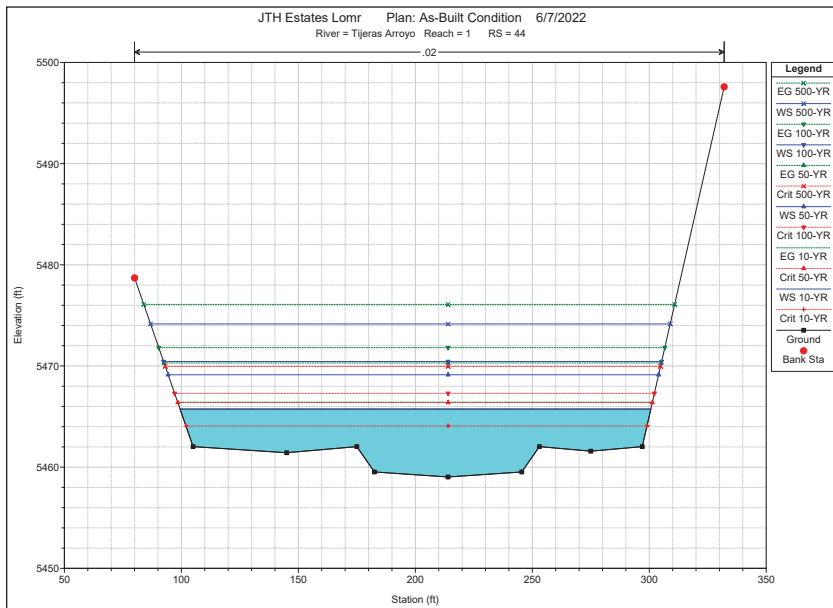
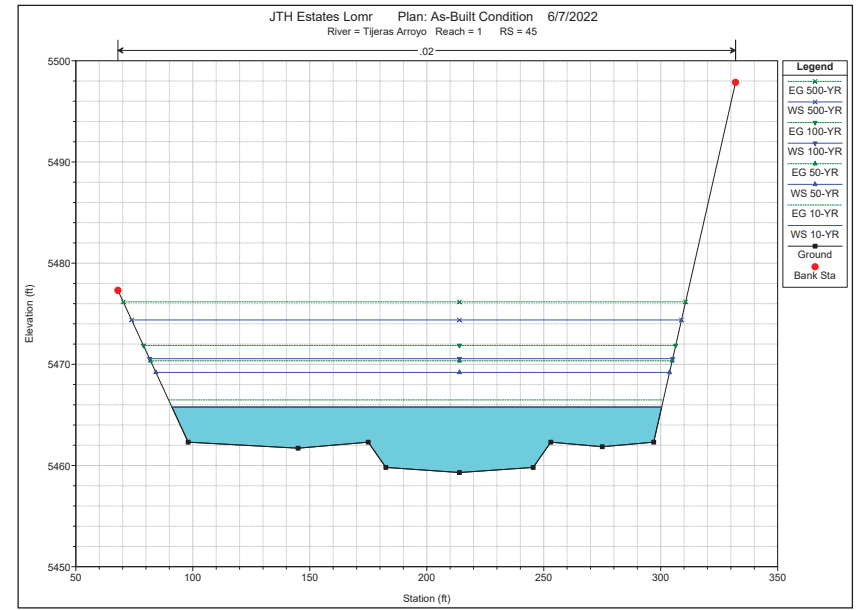
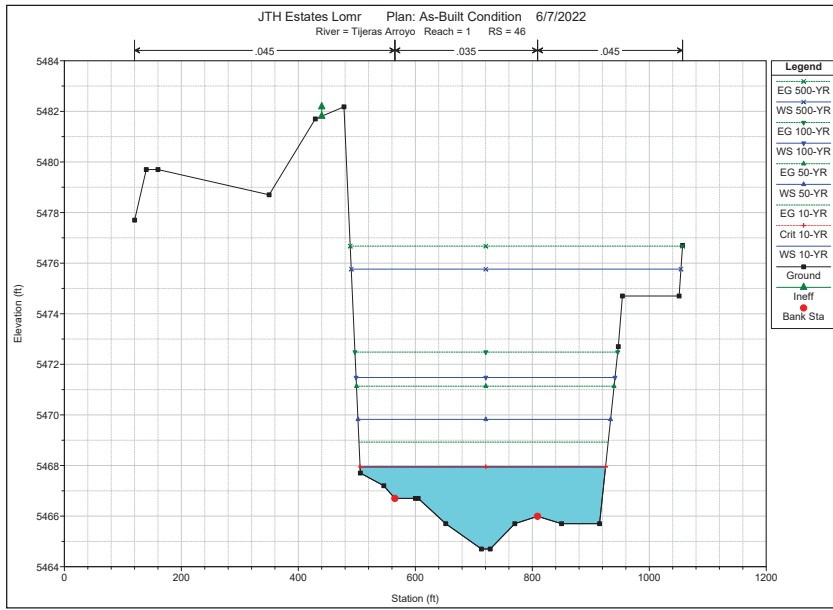
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
1	46	10-YR	6285.00	5464.70	5467.94	5467.94	5468.93	0.013739	8.50	827.07	419.73	1.00
1	46	50-YR	14300.00	5464.70	5469.82		5471.14	0.008412	9.99	1626.98	431.95	0.87
1	46	100-YR	18065.00	5464.70	5471.48		5472.48	0.004149	8.79	2350.89	442.72	0.65
1	46	500-YR	30500.00	5464.70	5475.77		5476.67	0.001894	8.61	4406.35	563.79	0.48
1	45	10-YR	6285.00	5459.31	5465.78		5466.48	0.001143	6.74	932.94	209.35	0.56
1	45	50-YR	14300.00	5459.31	5469.21		5470.35	0.000921	8.57	1668.06	219.58	0.55
1	45	100-YR	18065.00	5459.31	5470.56		5471.87	0.000872	9.18	1967.67	223.61	0.55
1	45	500-YR	30500.00	5459.31	5474.39		5476.17	0.000786	10.72	2845.45	235.04	0.54
1	44	10-YR	6285.00	5459.03	5465.75	5464.07	5466.42	0.001012	6.59	953.57	201.23	0.53
1	44	50-YR	14300.00	5459.03	5469.13	5466.39	5470.30	0.000904	8.67	1648.82	209.64	0.55
1	44	100-YR	18065.00	5459.03	5470.45	5467.30	5471.81	0.000881	9.38	1926.84	212.91	0.55
1	44	500-YR	30500.00	5459.03	5474.16	5469.96	5476.09	0.000840	11.16	2733.81	222.12	0.56
1	43.5		Bridge									
1	43	10-YR	6285.00	5458.43	5463.44	5463.44	5465.02	0.004148	10.08	623.81	202.04	1.01
1	43	50-YR	14300.00	5458.43	5465.75	5465.75	5468.39	0.003455	13.04	1096.69	208.93	1.00
1	43	100-YR	18065.00	5458.43	5466.64	5466.64	5469.71	0.003326	14.07	1284.06	211.60	1.01
1	43	500-YR	30500.00	5458.43	5469.25	5469.25	5473.49	0.002984	16.50	1848.03	219.45	1.00
1	42	10-YR	6285.00	5457.70	5463.19	5463.19	5464.71	0.003954	9.88	636.07	205.03	0.99
1	42	50-YR	14300.00	5457.70	5465.47	5465.47	5468.00	0.003422	12.76	1121.07	295.50	1.00
1	42	100-YR	18065.00	5457.70	5466.38	5466.38	5469.28	0.003207	13.66	1322.18	321.59	0.99
1	42	500-YR	30500.00	5457.70	5468.86	5468.86	5472.94	0.002907	16.22	1880.82	346.67	0.99
1	41	10-YR	6285.00	5452.70	5457.90	5457.83	5458.96	0.012580	8.27	759.90	330.38	0.96
1	41	50-YR	14300.00	5452.70	5459.54	5459.47	5461.39	0.010778	10.91	1321.74	365.78	0.97
1	41	100-YR	18065.00	5452.70	5460.17	5460.17	5462.33	0.010382	11.82	1554.96	373.62	0.98
1	41	500-YR	30500.00	5452.70	5462.00	5462.00	5464.99	0.009295	14.01	2244.37	380.80	0.98
1	40	10-YR	6285.00	5452.50	5455.80	5455.53	5456.74	0.009513	8.47	857.65	346.34	0.87
1	40	50-YR	14300.00	5452.50	5457.27	5457.27	5459.16	0.011441	12.19	1392.89	374.96	1.02
1	40	100-YR	18065.00	5452.50	5457.91	5457.91	5460.10	0.011249	13.23	1634.88	383.07	1.04
1	40	500-YR	30500.00	5452.50	5459.77	5459.77	5462.76	0.010435	15.71	2370.62	408.73	1.05
1	35	10-YR	6285.00	5445.97	5449.21	5449.21	5450.35	0.013635	8.54	738.80	338.34	1.00

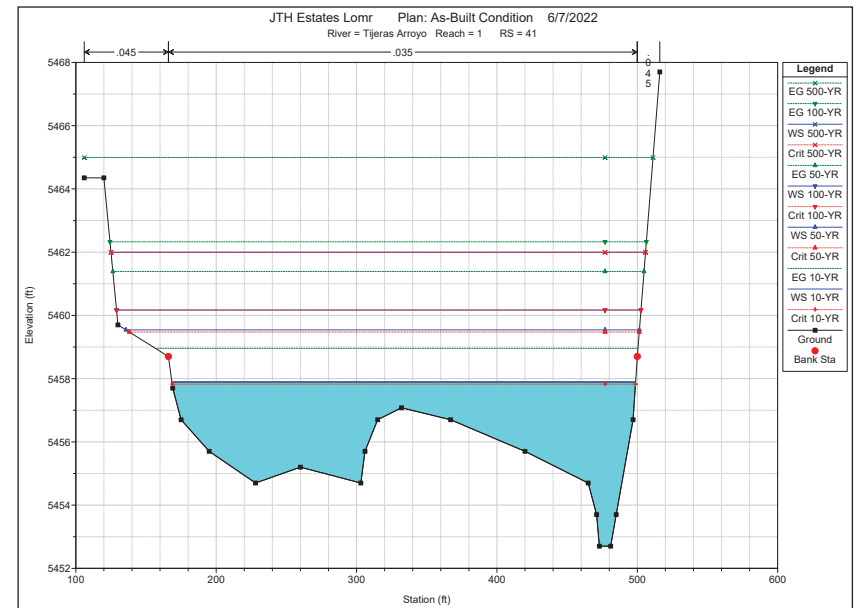
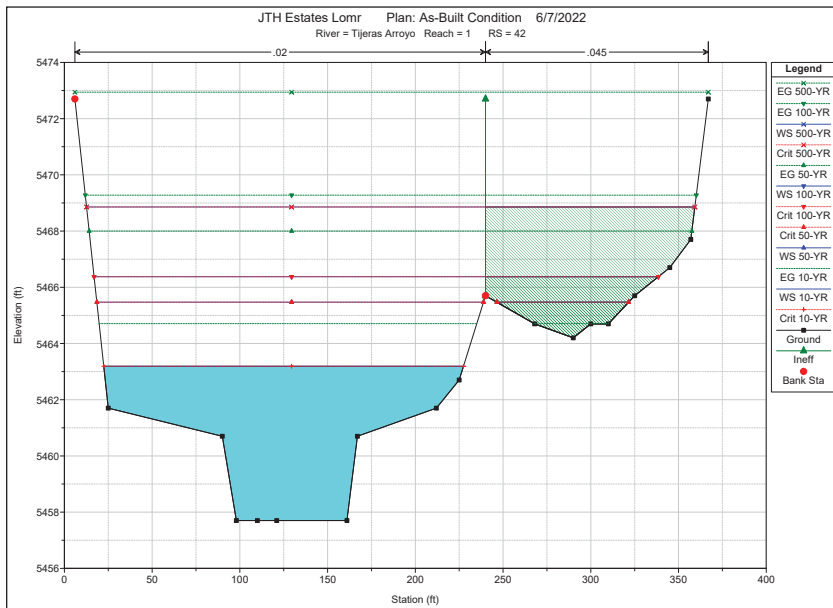
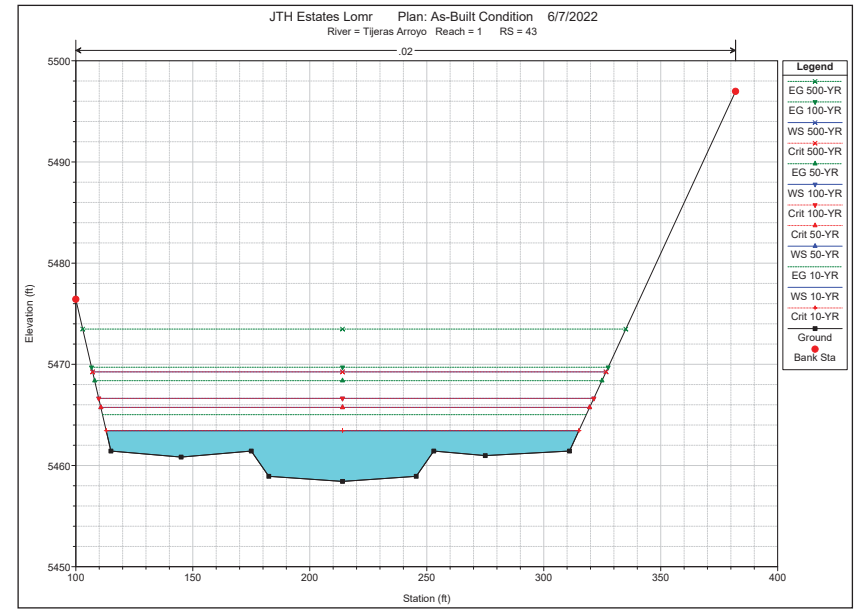
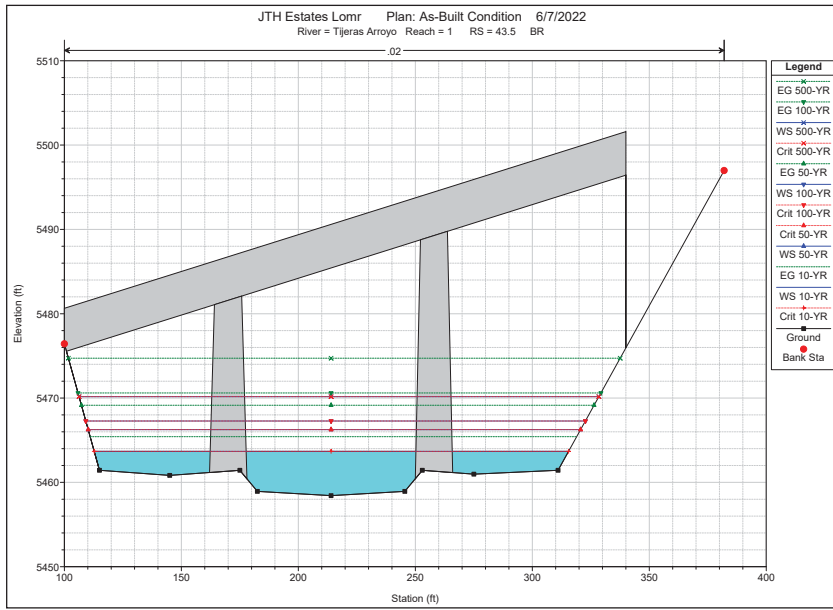
HEC-RAS Plan: As-Built River: Tijeras Arroyo Reach: 1 (Continued)

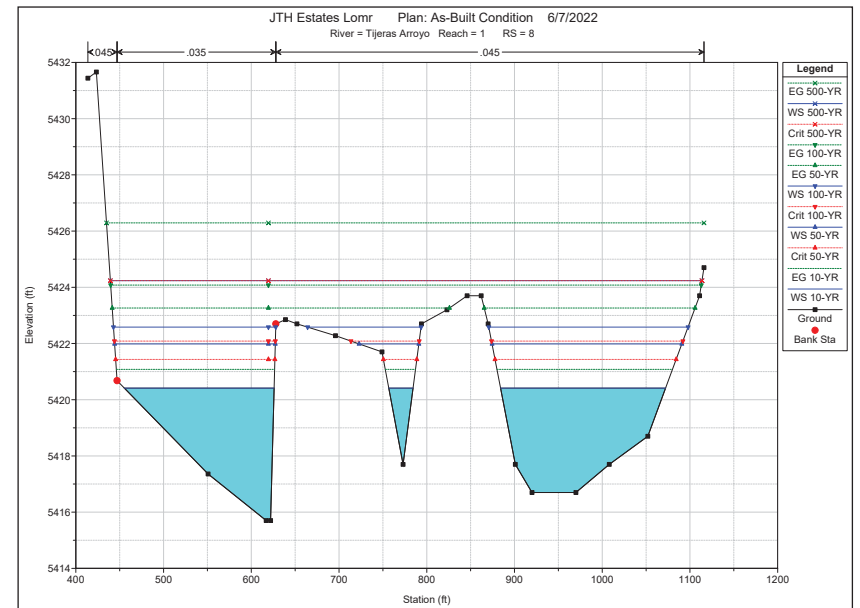
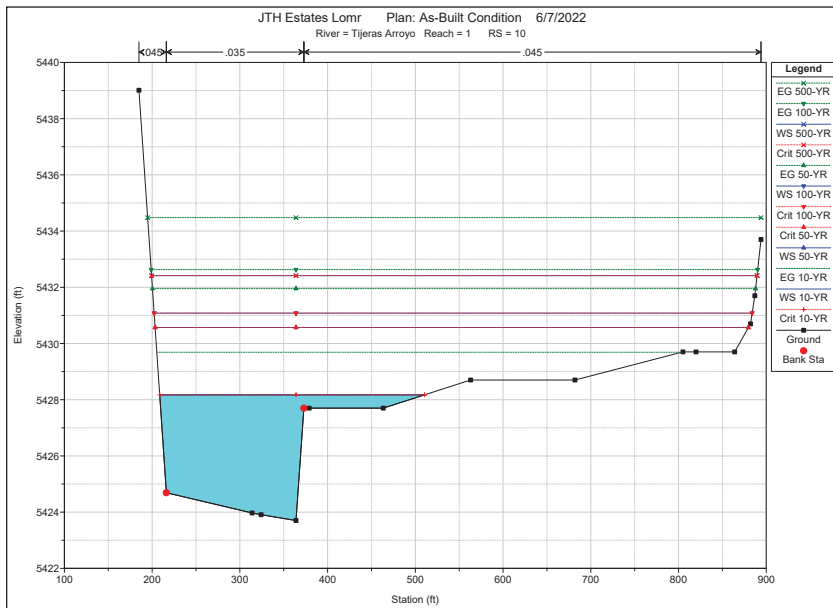
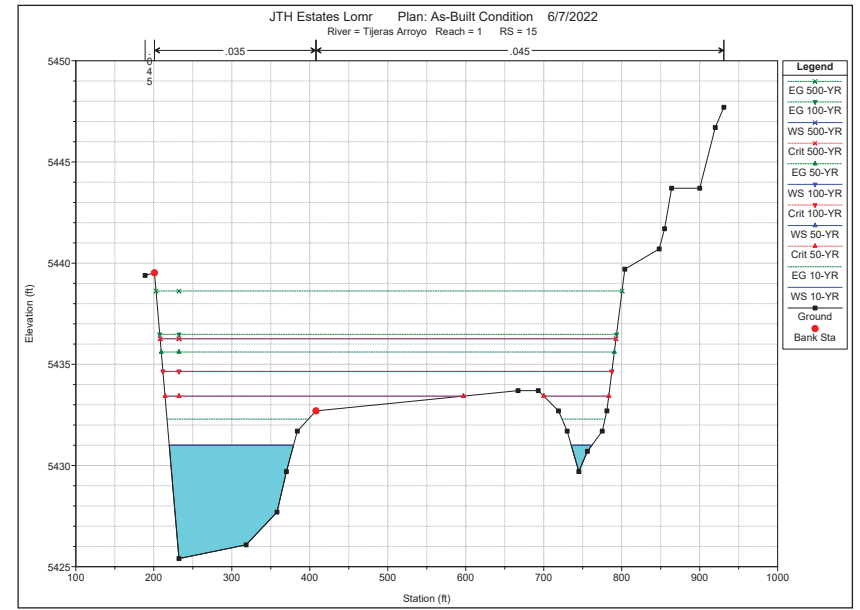
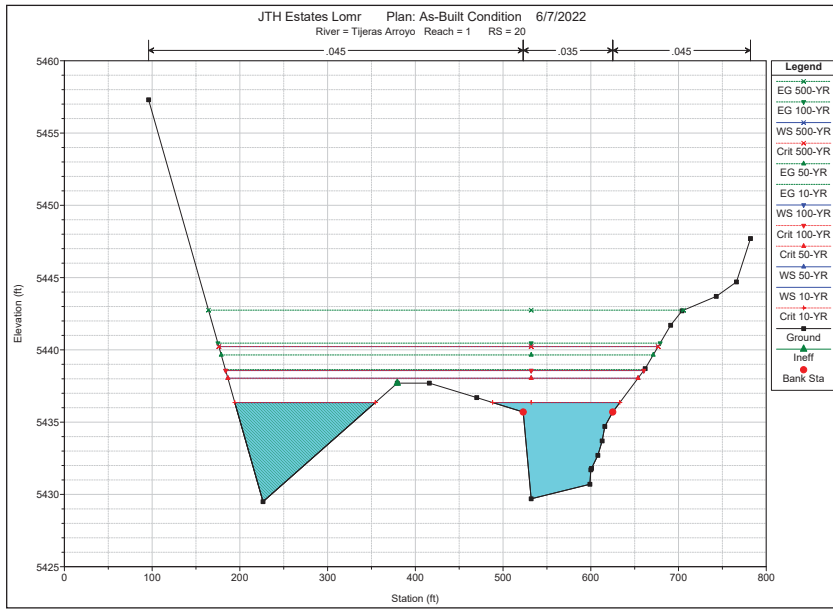
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
1	35	50-YR	14300.00	5445.97	5451.02	5451.02	5452.66	0.009297	10.43	1496.71	525.31	0.91
1	35	100-YR	18065.00	5445.97	5451.71	5451.71	5453.45	0.008296	10.93	1874.13	577.06	0.88
1	35	500-YR	30500.00	5445.97	5453.24	5453.24	5455.54	0.007965	12.90	2772.34	596.87	0.91
1	30	10-YR	6285.00	5438.86	5443.55		5443.93	0.002663	4.96	1273.62	379.74	0.47
1	30	50-YR	14300.00	5438.86	5445.67		5446.36	0.002590	6.75	2256.96	518.35	0.51
1	30	100-YR	18065.00	5438.86	5446.45		5447.26	0.002570	7.34	2667.29	535.30	0.52
1	30	500-YR	30500.00	5438.86	5448.65		5449.76	0.002474	8.79	3910.92	597.60	0.53
1	22	10-YR	6285.00	5431.77	5439.45	5439.45	5441.37	0.007836	11.38	638.89	226.08	0.87
1	22	50-YR	14300.00	5431.77	5442.40	5442.40	5444.24	0.005312	12.55	1718.12	449.91	0.77
1	22	100-YR	18065.00	5431.77	5443.13	5443.13	5445.12	0.005445	13.44	2049.97	461.49	0.79
1	22	500-YR	30500.00	5431.77	5444.83	5444.83	5447.52	0.006347	16.28	2847.14	475.45	0.88
1	20	10-YR	6285.00	5429.70	5436.36	5436.36	5438.63	0.009699	12.12	530.71	305.14	0.95
1	20	50-YR	14300.00	5429.70	5438.04	5438.04	5439.65	0.006863	12.35	1728.29	467.56	0.84
1	20	100-YR	18065.00	5429.70	5438.57	5438.57	5440.47	0.007528	13.60	1976.99	476.53	0.89
1	20	500-YR	30500.00	5429.70	5440.23	5440.23	5442.75	0.007990	16.07	2788.69	500.72	0.95
1	15	10-YR	6285.00	5425.40	5431.01		5432.30	0.006697	9.13	701.19	185.95	0.78
1	15	50-YR	14300.00	5425.40	5433.43	5433.43	5435.61	0.008006	12.14	1333.94	466.03	0.89
1	15	100-YR	18065.00	5425.40	5434.65	5434.65	5436.48	0.005739	11.57	2015.19	575.71	0.78
1	15	500-YR	30500.00	5425.40	5436.26	5436.26	5438.62	0.006302	13.78	2950.29	584.59	0.84
1	10	10-YR	6285.00	5423.70	5428.17	5428.17	5429.69	0.008999	9.98	682.11	301.89	0.89
1	10	50-YR	14300.00	5423.70	5430.57	5430.57	5431.95	0.005493	10.72	1973.46	676.25	0.75
1	10	100-YR	18065.00	5423.70	5431.08	5431.08	5432.63	0.005833	11.63	2320.21	681.60	0.78
1	10	500-YR	30500.00	5423.70	5432.41	5432.41	5434.48	0.006701	14.04	3234.78	690.10	0.87
1	8	10-YR	6285.00	5415.70	5420.41		5421.08	0.008510	7.26	980.04	386.42	0.80
1	8	50-YR	14300.00	5415.70	5421.99	5421.44	5423.26	0.009595	10.33	1640.58	467.59	0.91
1	8	100-YR	18065.00	5415.70	5422.58	5422.09	5424.08	0.009693	11.37	1942.00	541.44	0.94
1	8	500-YR	30500.00	5415.70	5424.24	5424.24	5426.29	0.009804	14.04	2983.17	674.30	0.99
1	6	10-YR	6285.00	5411.25	5416.40	5416.40	5417.59	0.011681	9.01	762.99	338.22	0.96
1	6	50-YR	14300.00	5411.25	5418.17	5418.17	5419.79	0.010117	10.85	1517.18	465.00	0.95
1	6	100-YR	18065.00	5411.25	5418.73	5418.73	5420.60	0.010005	11.75	1776.14	471.22	0.96
1	6	500-YR	30500.00	5411.25	5420.74	5420.74	5423.02	0.007848	13.25	2868.22	623.96	0.91

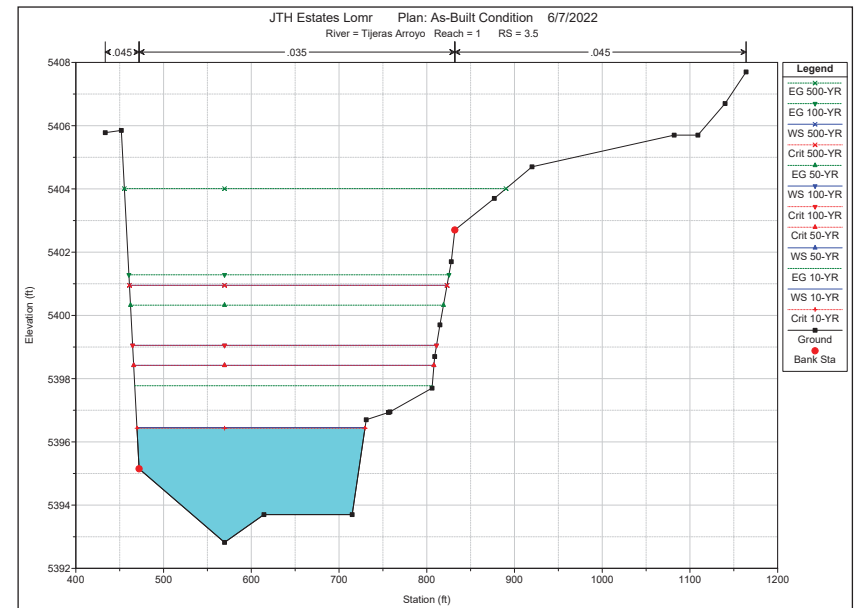
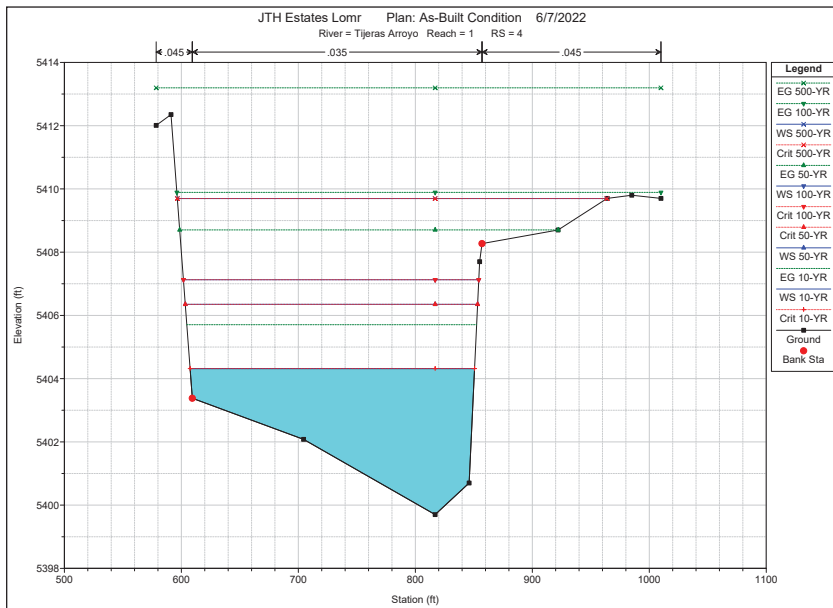
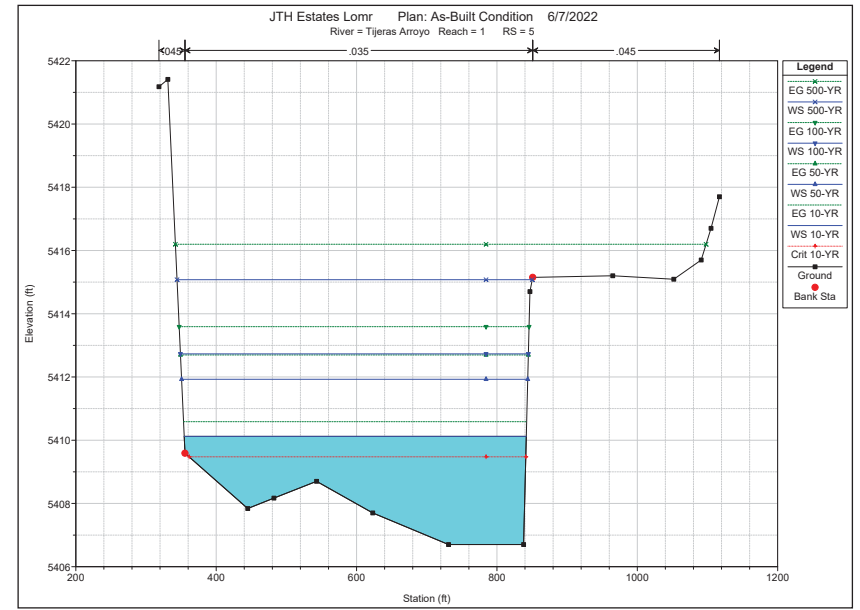
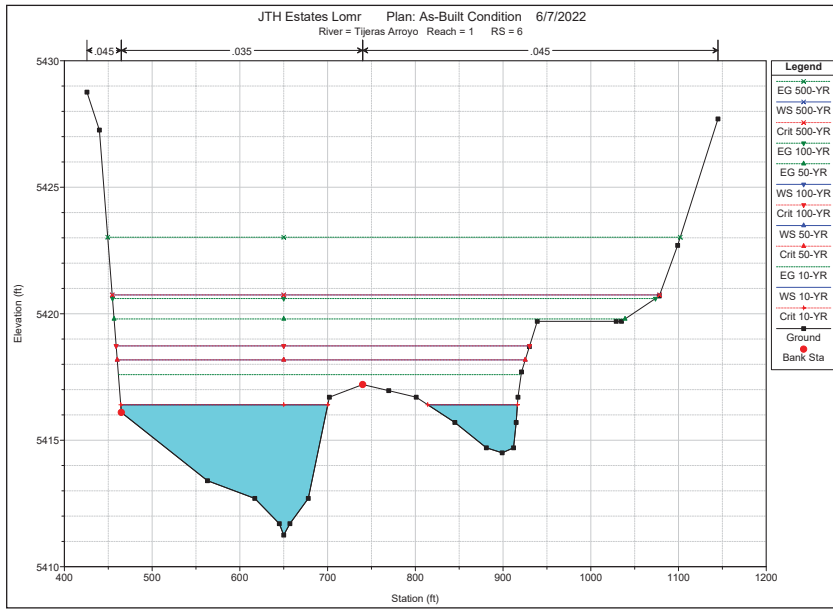
HEC-RAS Plan: As-Built River: Tijeras Arroyo Reach: 1 (Continued)

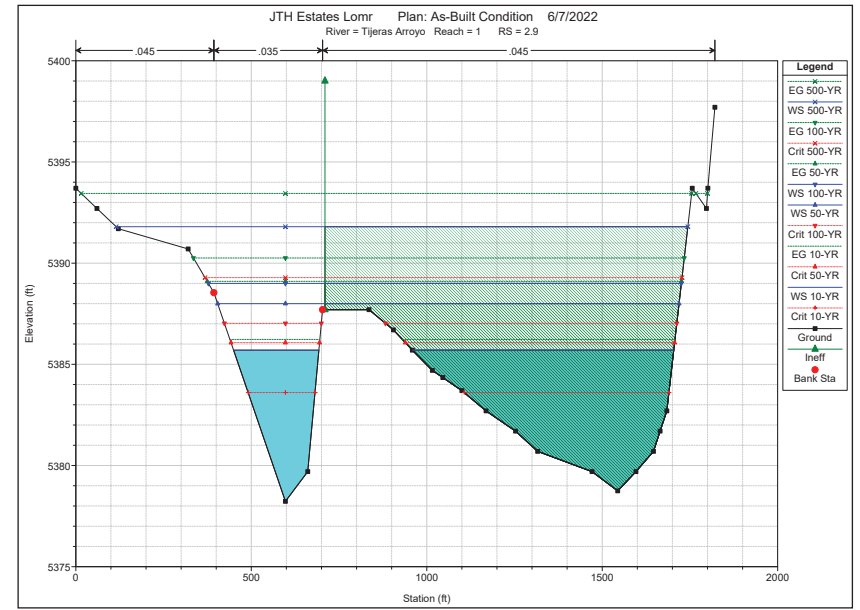
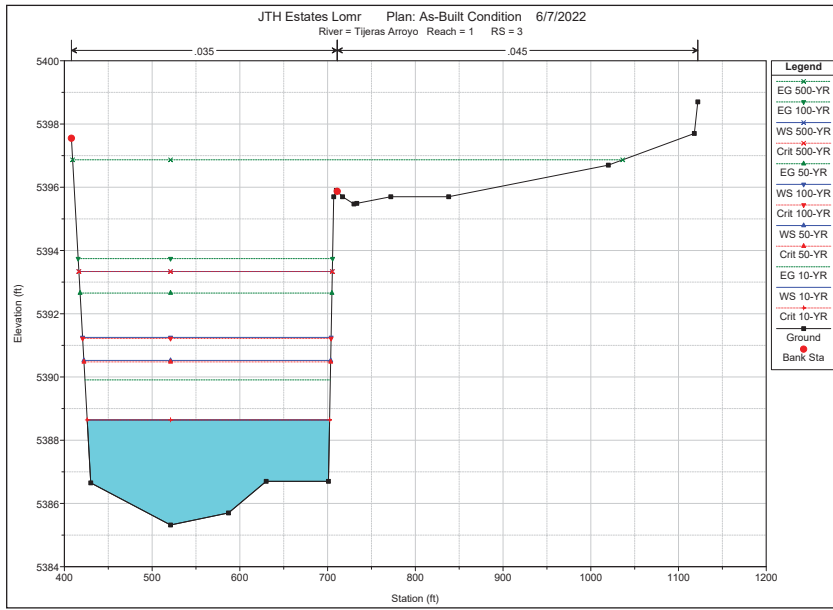
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
1	5	10-YR	6285.00	5406.70	5410.12	5409.47	5410.59	0.005285	5.47	1149.92	487.42	0.63
1	5	50-YR	14300.00	5406.70	5411.93		5412.70	0.004141	7.04	2034.75	493.17	0.61
1	5	100-YR	18065.00	5406.70	5412.73		5413.59	0.003674	7.45	2431.67	495.73	0.59
1	5	500-YR	30500.00	5406.70	5415.08		5416.20	0.002901	8.51	3604.32	506.14	0.56
1	4	10-YR	6285.00	5399.70	5404.32	5404.32	5405.71	0.012923	9.45	665.67	243.19	1.00
1	4	50-YR	14300.00	5399.70	5406.35	5406.35	5408.70	0.010666	12.32	1166.86	249.94	1.00
1	4	100-YR	18065.00	5399.70	5407.13	5407.13	5409.89	0.010307	13.35	1362.03	252.52	1.00
1	4	500-YR	30500.00	5399.70	5409.70	5409.70	5413.20	0.008042	15.13	2121.59	367.27	0.94
1	3.5	10-YR	6285.00	5392.82	5396.45	5396.43	5397.78	0.012938	9.23	682.40	260.00	1.00
1	3.5	50-YR	14300.00	5392.82	5398.42	5398.42	5400.32	0.011405	11.08	1296.14	342.20	1.00
1	3.5	100-YR	18065.00	5392.82	5399.05	5399.05	5401.28	0.011009	11.99	1514.53	346.37	1.01
1	3.5	500-YR	30500.00	5392.82	5400.95	5400.95	5404.01	0.009791	14.07	2186.37	361.99	1.00
1	3	10-YR	6285.00	5385.32	5388.64	5388.64	5389.91	0.013273	9.03	696.39	276.31	1.00
1	3	50-YR	14300.00	5385.32	5390.52	5390.48	5392.65	0.010903	11.71	1220.99	281.36	0.99
1	3	100-YR	18065.00	5385.32	5391.25	5391.22	5393.74	0.010478	12.66	1426.68	283.32	0.99
1	3	500-YR	30500.00	5385.32	5393.33	5393.33	5396.87	0.009643	15.08	2022.66	288.91	1.00
1	2.9	10-YR	6285.00	5378.23	5385.70	5383.60	5386.23	0.002626	5.85	1074.50	987.73	0.49
1	2.9	50-YR	14300.00	5378.23	5388.00	5386.07	5389.10	0.003891	8.41	1701.32	1314.78	0.62
1	2.9	100-YR	18065.00	5378.23	5389.00	5387.03	5390.26	0.003732	8.99	2018.55	1347.70	0.62
1	2.9	500-YR	30500.00	5378.23	5391.80	5389.28	5393.44	0.003086	10.39	3180.93	1629.08	0.60











HEC-RAS Plan: As-Built FW River: Tijeras Arroyo Reach: 1

Reach	River Sta	Profile	W.S. Elev (ft)	Prof Delta WS (ft)	E.G. Elev (ft)	Top Width Act (ft)	Q Left (cfs)	Q Channel (cfs)	Q Right (cfs)	Enc Sta L (ft)	Ch Sta L (ft)	Ch Sta R (ft)	Enc Sta R (ft)
1	46	100-YR	5471.48		5472.48	442.72	1370.64	12373.28	4321.08		565.00	809.00	
1	46	100-YR FW	5471.34	-0.14	5472.52	390.60	815.68	12867.78	4381.54	530.65	565.00	809.00	921.25
1	45	100-YR	5470.56		5471.87	223.61		18065.00			68.00	332.00	
1	45	100-YR FW	5470.61	0.05	5471.90	223.30		18065.00		81.59	68.00	332.00	304.89
1	44	100-YR	5470.45		5471.81	212.91		18065.00			80.00	332.00	
1	44	100-YR FW	5470.47	0.03	5471.84	207.46		18065.00		97.43	80.00	332.00	304.89
1	43.5 BR U	100-YR	5468.84		5471.52	179.90		18065.00			80.00	332.00	
1	43.5 BR U	100-YR FW	5468.90	0.05	5471.55	177.32		18065.00		97.43	80.00	332.00	304.89
1	43.5 BR D	100-YR	5467.28		5470.60	183.93		18065.00			100.00	382.00	
1	43.5 BR D	100-YR FW	5467.26	-0.02	5470.65	178.55		18065.00		112.99	100.00	382.00	321.15
1	43	100-YR	5466.64		5469.71	211.60		18065.00			100.00	382.00	
1	43	100-YR FW	5466.63	-0.01	5469.74	208.16		18065.00		112.99	100.00	382.00	321.15
1	42	100-YR	5466.38		5469.28	223.08		18065.00			6.00	240.00	
1	42	100-YR FW	5466.37	-0.01	5469.28	222.88		18065.00		17.12	6.00	240.00	244.16
1	41	100-YR	5460.17		5462.33	373.62	113.82	17946.39	4.79		166.00	500.00	
1	41	100-YR FW	5460.65	0.48	5462.42	358.71	159.72	17905.28		139.14	166.00	500.00	497.85
1	40	100-YR	5457.91		5460.10	383.07	1955.05	11930.74	4179.21		250.00	429.00	
1	40	100-YR FW	5458.10	0.19	5460.52	313.28	1744.12	12750.17	3570.72	190.82	250.00	429.00	504.10
1	35	100-YR	5451.71		5453.45	577.06	1006.23	16881.32	177.45		291.00	616.00	
1	35	100-YR FW	5451.74	0.03	5453.45	563.47	1041.64	16840.00	183.36	71.27	291.00	616.00	634.74
1	30	100-YR	5446.45		5447.26	535.30	698.85	17206.89	159.26		314.00	685.00	
1	30	100-YR FW	5446.44	-0.01	5447.25	526.62	700.12	17209.90	154.98	171.23	314.00	685.00	697.85
1	22	100-YR	5443.13		5445.12	461.49	5886.88	11904.65	273.47		361.00	459.00	
1	22	100-YR FW	5443.13	0.00	5445.12	455.58	5896.41	11883.59	285.00	21.73	361.00	459.00	477.31
1	20	100-YR	5438.57		5440.47	476.53	7791.03	10089.63	184.34		523.00	625.00	
1	20	100-YR FW	5438.58	0.01	5440.74	442.26	7250.36	10617.22	197.42	217.74	523.00	625.00	660.00
1	15	100-YR	5434.65		5436.48	575.71		15680.60	2384.40		200.87	408.00	
1	15	100-YR FW	5435.62	0.97	5437.99	343.26		15617.59	2447.41	256.00	200.87	408.00	599.26
1	10	100-YR	5431.08		5432.63	681.60	228.91	12452.75	5383.33		216.26	373.00	

HEC-RAS Plan: As-Built FW River: Tijeras Arroyo Reach: 1 (Continued)

Reach	River Sta	Profile	W.S. Elev	Prof Delta WS	E.G. Elev	Top Width Act	Q Left	Q Channel	Q Right	Enc Sta L	Ch Sta L	Ch Sta R	Enc Sta R
			(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)	(ft)	(ft)	(ft)
1	10	100-YR FW	5431.64	0.56	5434.08	313.70		13200.78	4864.23	247.03	216.26	373.00	560.73
1	8	100-YR	5422.58		5424.08	541.44	11.47	9383.31	8670.22		447.01	628.00	
1	8	100-YR FW	5423.01	0.43	5424.34	558.53		8989.53	9075.47	477.36	447.01	628.00	1091.20
1	6	100-YR	5418.73		5420.60	471.22	28.87	14888.47	3147.66		464.92	740.00	
1	6	100-YR FW	5419.24	0.51	5421.39	364.48		16312.77	1752.23	486.25	464.92	740.00	850.73
1	5	100-YR	5412.73		5413.59	495.73	25.64	18039.36			355.53	851.00	
1	5	100-YR FW	5412.96	0.23	5413.89	436.35		18065.00		401.33	355.53	851.00	837.68
1	4	100-YR	5407.13		5409.89	252.52	67.71	17997.29			609.37	857.00	
1	4	100-YR FW	5407.32	0.19	5410.20	226.47		18065.00		625.66	609.37	857.00	852.13
1	3.5	100-YR	5399.05		5401.28	346.37	72.15	17992.85			472.16	832.00	
1	3.5	100-YR FW	5399.52	0.46	5402.04	287.20		18065.00		519.72	472.16	832.00	806.92
1	3	100-YR	5391.25		5393.74	283.32		18065.00			408.00	711.00	
1	3	100-YR FW	5391.79	0.54	5394.16	255.94		18065.00		446.23	408.00	711.00	702.17
1	2.9	100-YR	5389.00		5390.26	332.16	2.72	18040.94	21.33		393.49	703.17	
1	2.9	100-YR FW	5389.00	0.00	5390.89	204.00		18042.30	22.69	506.00	393.49	703.17	746.00

