

**ATTACHMENT 8: SUMMARY OF CONSTRUCTION DETAILS FOR ALL JPL  
GROUNDWATER MONITORING WELLS**

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**SUMMARY OF CONSTRUCTION DETAILS FOR ALL JPL GROUNDWATER MONITORING WELLS**

<b>Well Number</b>	<b>Well Type</b>	<b>Year Installed</b>	<b>Drilling Method</b>	<b>Depth to Bottom of Casing (feet below ground surface)</b>	<b>Depth of Screened Interval (feet below ground surface)</b>	<b>Elevation Top 4-inch Casing (feet above mean sea level)</b>	<b>Elevation of Screened Interval (feet above mean sea level)<sup>(1)</sup></b>	<b>Reference Point for Static Water Elevations (feet above mean sea level)<sup>(2)</sup></b>	<b>Multi-Port Well Screen Number</b>		
MW-1	Shallow Standpipe	1989	Mud Rotary	120	70-110	1116.70	1006.70-1046.70	1116.70	--		
					170-180		919.82-929.82		1		
MW-3	Deep Multi-Port	1990	Mud Rotary	700	250-260	1099.82	839.82-849.82	1100.34	2		
					344-354		745.82-755.82		3		
					555-565		534.82-544.82		4		
					650-660		534.82-544.82		5		
					147-157		925.72-935.72		1082.84	1	
MW-4	Deep Multi-Port	1990	Mud Rotary	559	237-247	1082.72	835.72-845.72	1082.84	2		
					318-328		754.72-764.72		3		
					389-399		683.72-693.72		4		
					509-519		563.72-573.72		5		
					140-150		989.35-999.35		1139.30	1	
MW-5	Shallow Standpipe	1990	Air Percussion	140	85-135	1071.60	936.60-986.60	1071.60	--		
MW-6	Shallow Standpipe	1990	Air Percussion	245	195-245	1188.52	943.52-993.52	1188.52	--		
MW-7	Shallow Standpipe	1990	Air Percussion	275	225-275	1212.88	937.88-987.88	1212.88	--		
MW-8	Shallow Standpipe	1992	Air Percussion	205	155-205	1139.53	934.53-984.53	1139.53	--		
MW-9	Shallow Standpipe	1992	Air Percussion	68	18-68	1106.02	1038.02-1088.02	1106.02	--		
MW-10	Shallow Standpipe	1992	Air Percussion	155	105-155	1087.71	932.71-982.71	1087.71	--		
					140-150		989.35-999.35		1139.30	1	
					250-260		879.35-889.35			2	
					420-430		709.35-719.35		1139.35	709.35-719.35	3
					515-525		614.35-624.35			614.35-624.35	4
					630-640		499.35-509.35			499.35-509.35	5
MW-11	Deep Multi-Port	1992	Mud Rotary	680	135-145	1139.35	957.14-967.14	1102.14	1		
					240-250		852.14-862.14		2		
					315-325		777.14-787.14		3		
					430-440		662.14-672.14		4		
					546-556		546.14-556.14		5		
MW-12	Deep Multi-Port	1994	Mud Rotary	596	135-145	1102.14	957.14-967.14	1102.14	1		
					240-250		852.14-862.14		2		
					315-325		777.14-787.14		3		
					430-440		662.14-672.14		4		
					546-556		546.14-556.14		5		
MW-13	Shallow Standpipe	1994	Air Rotary	235	180-230	1183.47	953.47-1003.47	1183.47	--		

Well Number	Well Type	Year Installed	Drilling Method	Depth to Bottom of Casing (feet below ground surface)	Depth of Screened Interval (feet below ground surface)	Elevation Top 4-inch Casing (feet above mean sea level)	Elevation of Screened Interval (feet above mean sea level) <sup>(1)</sup>	Reference Point for Static Water Elevations (feet above mean sea level) <sup>(2)</sup>	Multi-Port Well Screen Number
MW-14	Deep Multi-Port	1994	Mud Rotary	588	205-215	1173.42	958.42-968.42	1173.47	1
					275-285		888.42-898.42		2
					380-390		783.42-793.42		3
					453-463		710.42-720.42		4
					538-548		625.42-635.42		5
MW-15	Shallow Standpipe	1994	Air Percussion	74	19-69	1120.66	1051.66-1101.66	1120.66	--
MW-16	Shallow Standpipe	1994	Air Percussion	285	230-280	1236.27	956.27-1006.27	1236.27	--
MW-17	Deep Multi-Port	1995	Mud Rotary	774	246-256	1190.99	934.99-944.99	1191.21	1
					366-376		814.99-824.99		2
					466-476		714.99-724.99		3
					578-588		602.99-612.99		4
					723-733		457.99-467.99		5
MW-18	Deep Multi-Port	1995	Mud Rotary	732	266-276	1225.34	949.34-959.34	1225.41	1
					326-336		889.34-899.34		2
					421-431		794.34-804.34		3
					561-571		654.34-664.34		4
					681-691		534.34-544.34		5
MW-19	Deep Multi-Port	1995	Mud Rotary	543	240-250	1143.20	893.20-903.20	1142.94	1
					310-320		823.20-833.20		2
					390-400		743.20-753.20		3
					442-452		691.20-701.20		4
					492-502		641.20-651.20		5
MW-20	Deep Multi-Port	1995	Mud Rotary	948	228-238	1164.89	926.89-936.89	1165.05	1
					388-398		766.89-776.89		2
					558-568		596.89-606.89		3
					698-708		456.89-466.89		4
					898-908		256.89-266.89		5
MW-21	Deep Multi-Port	1995	Mud Rotary	416	86-96	1058.99	962.99-972.99	1059.10	1
					156-166		892.99-902.99		2
					236-246		812.99-822.99		3
					306-316		742.99-752.99		4
					366-376		682.99-692.99		5
MW-22	Deep Multi-Port	1997	Mud Rotary	634	239-249	1176.81	927.81-937.81	1176.98	1
					324-334		842.81-852.81		2
					384-394		782.81-792.81		3
					464-474		702.81-712.81		4
					584-594		582.81-592.81		5
MW-23	Deep Multi-Port	1997	Mud Rotary	590	170-180	1108.34	928.34-938.34	1108.84	1
					250-260		848.34-858.34		2
					315-325		783.34-793.34		3
					440-450		658.34-668.34		4
					540-550		558.34-568.34		5

Well Number	Well Type	Year Installed	Drilling Method	Depth to Bottom of Casing (feet below ground surface)	Depth of Screened Interval (feet below ground surface)	Elevation Top 4-inch Casing (feet above mean sea level)	Elevation of Screened Interval (feet above mean sea level) <sup>(1)</sup>	Reference Point for Static Water Elevations (feet above mean sea level) <sup>(2)</sup>	Multi-Port Well Screen Number
MW-24	Deep Multi-Port	1997	Mud Rotary	725	275-285	1200.91	915.91-925.91	1200.94	1
					370-380		820.91-830.91		2
					430-440		760.91-770.91		3
					550-560		640.91-650.91		4
					675-685		515.91-525.91		5
MW-25	Deep Multi-Port	2004	Mud Rotary	740	355-365	934.52	569.52-579.52	934.52	1
					420-430		504.52-514.52		2
					500-510		424.52-434.52		3
					630-640		294.52-304.52		4
					710-720		214.52-224.52		5
MW-26	Deep Multi-Port	2005	Mud Rotary	240	130-140	1059.08	919.08-929.08	1059.08	1
					210-220		839.08-849.08		2

**Notes:**

(1) All screens, except in well MW-1, are 4-inch diameter, wire-wrap stainless steel with 0.010-inch slot size. The screen in well MW-1 is 4-inch diameter, schedule 40 PVC with 0.020-inch slot size.

(2) Reference point = top of Westbay® well casing (multi-port wells) and top of well casing (shallow standpipe wells).