

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

SUMMARY OF CONSTRUCTION DETAILS FOR ALL JPL GROUNDWATER MONITORING WELLS

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)⁽¹⁾	Reference Point for Static Water Elevations (feet above mean sea level)⁽²⁾	Multi-Port Well Screen Number		
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
MW-11	Deep Multi-Port	1992	Mud Rotary	680	630-640	1139.35	499.35-509.35	1102.14	5		
					135-145		957.14-967.14		1102.14	1	
					240-250		852.14-862.14			2	
					315-325		777.14-787.14		1102.14	777.14-787.14	3
					430-440		662.14-672.14			662.14-672.14	4
MW-12	Deep Multi-Port	1994	Mud Rotary	596	546-556	1102.14	546.14-556.14	1183.47	5		
					135-145		957.14-967.14		1102.14	1	
					240-250		852.14-862.14			2	
					315-325		777.14-787.14		1102.14	777.14-787.14	3
					430-440		662.14-672.14			662.14-672.14	4
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) ⁽¹⁾	Reference Point for Static Water Elevations (feet above mean sea level) ⁽²⁾	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) ⁽¹⁾	Reference Point for Static Water Elevations (feet above mean sea level) ⁽²⁾	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).