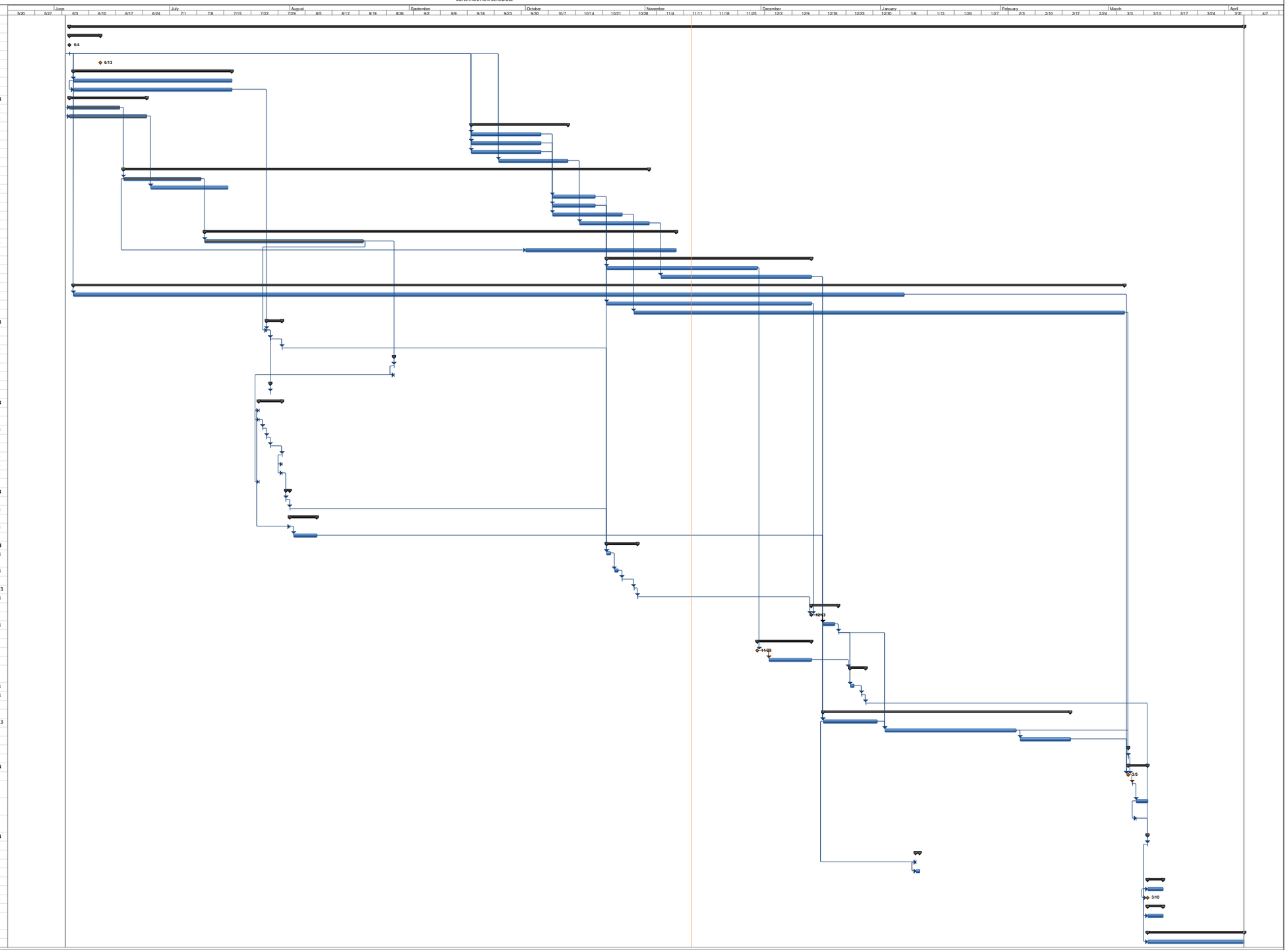
ASR RAW WATER PUMP REPLACEMENT
CONSTRUCTION SCHEDULE

ID		Task Name	Duration	% Complete	Start	Finish
1						
2		**ASR Pump Replacement Project**	**217 days**	**11%**	**Tue 6/4/13**	**Fri 4/4/14**
3	✓	**General Requirements**	**7 days**	**100%**	**Tue 6/4/13**	**Thu 6/13/13**
4	✓	Effective date of contract	0 days	100%	Tue 6/4/13	Tue 6/4/13
5	✓	Preconstruction meeting w/ City	1 day	100%	Tue 6/4/13	Tue 6/4/13
6	✓	*Notice to proceed **	**0 days**	100%	**Thu 6/13/13**	**Thu 6/13/13**
7		**Preconstruction Administration**	**30 days**	**0%**	**Wed 6/5/13**	**Tue 7/16/13**
8		Schedule of values	30 days	0%	Wed 6/5/13	Tue 7/16/13
9		Initial application for payment	30 days	0%	Wed 6/5/13	Tue 7/16/13
10	✓	**Schedules and Plans**	**15 days**	**100%**	**Tue 6/4/13**	**Mon 6/24/13**
11	✓	Construction schedule	10 days	100%	Tue 6/4/13	Mon 6/17/13
12	✓	Hurricane plan	15 days	100%	Tue 6/4/13	Mon 6/24/13
13		**Submittals**	**20 days**	**0%**	**Mon 9/16/13**	**Fri 10/11/13**
14		Prepare and submit, pipe, valves and fitting	15 days	0%	Mon 9/16/13	Fri 10/4/13
15		Prepare and submit, pre-engineered building	15 days	0%	Mon 9/16/13	Fri 10/4/13
16		Prepare and submit, instrumentation and controls	15 days	0%	Mon 9/16/13	Fri 10/4/13
17		Prepare and submit, electrical	15 days	0%	Mon 9/23/13	Fri 10/11/13
18		**Submittal Review**	**99 days**	**19%**	**Tue 6/18/13**	**Fri 11/1/13**
19	✓	Review contractor schedule	15 days	100%	Tue 6/18/13	Mon 7/8/13
20		Review contractor plans	15 days	0%	Tue 6/25/13	Mon 7/15/13
21		Review pipe, valves and fitting submittals	10 days	0%	Mon 10/7/13	Fri 10/18/13
22		Review pre-engineered building submittals	10 days	0%	Mon 10/7/13	Fri 10/18/13
23		Review instrumentation and control submittals	15 days	0%	Mon 10/7/13	Fri 10/25/13
24		Review electrical submittals	15 days	0%	Mon 10/14/13	Fri 11/1/13
25		**Permits**	**89 days**	**50%**	**Tue 7/9/13**	**Fri 11/8/13**
26	✓	County demolition permit	30 days	100%	Tue 7/9/13	Mon 8/19/13
27		County building permit	30 days	0%	Mon 9/30/13	Fri 11/8/13
28		**Short Lead Procurement**	**40 days**	**0%**	**Mon 10/21/13**	**Fri 12/13/13**
29		Pipe, valves and fittings	30 days	0%	Mon 10/21/13	Fri 11/29/13
30		Electrical - via subcontractor	30 days	0%	Mon 11/4/13	Fri 12/13/13
31		**Long Lead Procurement**	**193 days**	**0%**	**Wed 6/5/13**	**Tue 3/4/14**
32		Pumps and VFD's - by City	152 days	0%	Wed 6/5/13	Mon 1/6/14
33		Pre-engineered building	40 days	0%	Mon 10/21/13	Fri 12/13/13
34		PLC, instrumentation & controls	90 days	0%	Mon 10/28/13	Tue 3/4/14
35		**Mobilize on Site**	**3 days**	**67%**	**Thu 7/25/13**	**Mon 7/29/13**
36	✓	Deliver and secure conex	1 day	100%	Thu 7/25/13	Thu 7/25/13
37	✓	Set-up project sign / job information box	1 day	100%	Fri 7/26/13	Fri 7/26/13
38		Establish grade and set benchmarks	1 day	0%	Mon 7/29/13	Mon 7/29/13
39		**Decommissioning**	**1 day**	**0%**	**Tue 8/27/13**	**Tue 8/27/13**
40		Inspect & document existing conditions	1 day	0%	Tue 8/27/13	Tue 8/27/13
41		Confirm Salvage w/City	1 day	0%	Tue 8/27/13	Tue 8/27/13
42		**Sitework**	**1 day**	**0%**	**Fri 7/26/13**	**Fri 7/26/13**
43		Prep-work area	1 day	0%	Fri 7/26/13	Fri 7/26/13
44	✓	**Building Demolition**	**5 days**	**100%**	**Tue 7/23/13**	**Mon 7/29/13**
45	✓	Install temporary safety fence	1 day	100%	Tue 7/23/13	Tue 7/23/13
46	✓	Remove building mechanical pipe	1 day	100%	Tue 7/23/13	Tue 7/23/13
47	✓	Remove pumps, motors, intake column and base	1 day	100%	Wed 7/24/13	Wed 7/24/13
48	✓	Remove building electrical components	1 day	100%	Thu 7/25/13	Thu 7/25/13
49	✓	Protect floor/intake-sump area	1 day	100%	Fri 7/26/13	Fri 7/26/13
50	✓	Remove building roof	1 day	100%	Mon 7/29/13	Mon 7/29/13
51	✓	Remove building walls	1 day	100%	Mon 7/29/13	Mon 7/29/13
52	✓	Remove equipment pads and bases	1 day	100%	Mon 7/29/13	Mon 7/29/13
53	✓	Remove stilling well	1 day	100%	Tue 7/23/13	Tue 7/23/13
54		**Wetwell Reconditioning**	**2 days**	**0%**	**Tue 7/30/13**	**Wed 7/31/13**
55		Inspect intake sump	1 day	0%	Tue 7/30/13	Tue 7/30/13
56		Clean/Vac intake sump	1 day	0%	Wed 7/31/13	Wed 7/31/13
57		**Yard Pipe Demolition**	**6 days**	**0%**	**Wed 7/31/13**	**Wed 8/7/13**
58		Hand locate all pipe to be removed	1 day	0%	Wed 7/31/13	Wed 7/31/13
59		Remove yard pipe and supports	5 days	0%	Thu 8/1/13	Wed 8/7/13
60		**Building Foundation and Concrete Work**	**7 days**	**0%**	**Mon 10/21/13**	**Tue 10/29/13**
61		Sawcut and modify existing slab for new construction	2 days	0%	Mon 10/21/13	Tue 10/22/13
62		Prep for new building foundation	2 days	0%	Wed 10/23/13	Thu 10/24/13
63		Form and pour foundation and slab	1 day	0%	Fri 10/25/13	Fri 10/25/13
64		Form and pour pump bases	1 day	0%	Mon 10/28/13	Mon 10/28/13
65		Form and pour electrical pads	1 day	0%	Tue 10/29/13	Tue 10/29/13
66		**Pre-engineered Building Erection**	**5 days**	**0%**	**Fri 12/13/13**	**Fri 12/20/13**
67		Material delivery, bldg	0 days	0%	Fri 12/13/13	Fri 12/13/13
68		Erect pre-engineered building	4 days	0%	Mon 12/16/13	Thu 12/19/13
69		Pre-engineered building punchlist	1 day	0%	Fri 12/20/13	Fri 12/20/13
70		**Mechancial Pipe, Fittings & Valve (Yard Installation)**	**10 days**	**0%**	**Fri 11/29/13**	**Fri 12/13/13**
71		*Material delivery, pipe valves and fitting **	0 days	0%	Fri 11/29/13	Fri 11/29/13
72		Install yard pipe (to 5' outside building)	10 days	0%	Mon 12/2/13	Fri 12/13/13
73		**Mechancial Pipe, Fittings & Valve (Building Installation)**	**4 days**	**0%**	**Mon 12/23/13**	**Fri 12/27/13**
74		Install building mechanical pipe and supports	2 days	0%	Mon 12/23/13	Tue 12/24/13
75		Paint pipe	1 day	0%	Thu 12/26/13	Thu 12/26/13
76		Tag, band and/or lable pipe	1 day	0%	Fri 12/27/13	Fri 12/27/13
77		**Electrical**	**45 days**	**0%**	**Mon 12/16/13**	**Tue 2/18/14**
78		Underground ductbank and site electrical	10 days	0%	Mon 12/16/13	Mon 12/30/13
79		Building and pump electrical	25 days	0%	Wed 1/1/14	Tue 2/4/14
80		Building electrical, final	10 days	0%	Wed 2/5/14	Tue 2/18/14
81		**Instrumentation and Controls**	**1 day**	**0%**	**Wed 3/5/14**	**Wed 3/5/14**
82		Install all instrumentation and controls	1 day	0%	Wed 3/5/14	Wed 3/5/14
83		**400hp VT Pumps**	**3 days**	**0%**	**Wed 3/5/14**	**Mon 3/10/14**
84		*Equipment delivery, pumps **	0 days	0%	Wed 3/5/14	Wed 3/5/14
85		Set-pumps on bases and verify initial level/alignment	1 day	0%	Thu 3/6/14	Thu 3/6/14
86		Install pumps and connect mechanical pipe and instrumentation/controls	2 days	0%	Fri 3/7/14	Mon 3/10/14
87		Align and rotate pumps to prepare for pump start-up	1 day	0%	Fri 3/7/14	Fri 3/7/14
88		**Start-up and Commissioning**	**1 day**	**0%**	**Mon 3/10/14**	**Mon 3/10/14**
89		Pump start-up	1 day	0%	Mon 3/10/14	Mon 3/10/14
90		**Finalize Site**	**2 days**	**0%**	**Thu 1/9/14**	**Fri 1/10/14**
91		Final grade yard area	1 day	0%	Thu 1/9/14	Thu 1/9/14
92		Sod disturbed yard area	2 days	0%	Thu 1/9/14	Fri 1/10/14
93		**Substancial Completion and Punchlist**	**5 days**	**0%**	**Mon 3/10/14**	**Fri 3/14/14**
94		Final punchlist and repairs	5 days	0%	Mon 3/10/14	Fri 3/14/14
95		*Substancial Completion **	0 days	0%	Mon 3/10/14	Mon 3/10/14
96		**Demobilization**	**5 days**	**0%**	**Mon 3/10/14**	**Fri 3/14/14**
97		Remove all contractor signs, equipment and storage trailers	5 days	0%	Mon 3/10/14	Fri 3/14/14
98		**Project Closeout**	**20 days**	**0%**	**Mon 3/10/14**	**Fri 4/4/14**
99		Close-out submittals, documents and certifications	20 days	0%	Mon 3/10/14	Fri 4/4/14



Project: ASR Pump Replacement
Date: Wed 11/13/13

Task | Split | Milestone | Summary | Project Summary | External Tasks | External Milestone | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | Deadline | Progress