

ACTUAL STAFF HOURS					
Task	Staff (hr)				Total Task Hours
	Senior Engineer	Professional Engineer	Design Engineer	Intern	
Task 1.0: Analyze Existing Conditions	0	2	8	2	12
Task 1.1: Site Visit Planning	0	0	0	0	0
Task 1.2: Site Investigation	0	2	8	2	12
Task 1.3: Land Survey	0	0	0	0	0
Task 2.0: Existing Conditions	10	11	16	7	44
Task 2.1: Create Topographic Map	6	8	10	3	27
Task 2.2: Hydrologic Analysis	4	3	6	4	17
Task 3.0: Hydraulic Analysis	6	11	26	12	55
Task 3.1: Determine Water Demand and Sewer Design Flow	2	4	10	4	20
Task 3.2: Municipal Potable Waterline	2	3	8	4	17
Task 3.3: Sanitary Sewer	2	4	8	4	18
Task 4.0: Construction Plans	8	36	56	14	114
Task 4.1: Potable Waterline Design	0	12	24	4	40
Task 4.2: Sanitary Sewer Line Design	0	8	22	4	34
Task 4.3: Cost Estimation	8	16	10	6	40
Task 5.0: Project Management	28	77	139	54	298
<i>Task 5.1: Project Impacts</i>					
Task 5.1.1: Regulatory	0	0	6	4	10
Task 5.1.2: Health/Environmental	0	0	6	5	11
Task 5.1.3: Economic	0	0	6	5	11
Task 5.1.4: Social	0	0	5	4	9
<i>Task 5.2: Resource Management</i>	2	8	0	0	10
<i>Task 5.3: Schedule Management</i>	4	4	0	0	8
<i>Task 5.4: Meetings</i>					
Task 5.4.1: Team Meetings	4	8	12	4	28
Task 5.4.2: Technical Advisor Meetings	2	2	4	2	10
Task 5.4.3: Grading Instructor Meetings	2	7	11	7	27
Task 5.4.4: Client Meetings	2	3	4	3	12
<i>Task 5.5: Project Deliverables</i>					
Task 5.5.1: 30% Report	2	6	9	2	19
Task 5.5.2: 60% Report	2	6	24	4	36
Task 5.5.3: 90% Report	2	10	18	4	34
Task 5.5.4: 90% Website	2	16	20	4	42
Task 5.5.5: Final Presentation	2	4	6	2	14
Task 5.5.6: Final Report & Website	2	3	8	4	17
Staff Total	52	137	245	89	523

ESTIMATED STAFF HOURS					
Task	Staff (hr)				Total Task Hours
	Senior Engineer	Professional Engineer	Design Engineer	Intern	
Task 1.0: Analyze Existing Conditions	0	22	22	22	66
Task 1.1: Site Visit Planning	0	6	6	6	18
Task 1.2: Site Investigation	0	8	8	8	24
Task 1.3: Land Survey	0	8	8	8	24
Task 2.0: Existing Conditions	2	16	25	25	68
Task 2.1: Create Topographic Map	1	6	15	15	37
Task 2.2: Hydrologic Analysis	1	10	10	10	31
Task 3.0: Hydraulic Analysis	3	24	24	18	69
Task 3.1: Determine Water Demand and Sewer Design Flow	1	8	8	6	23
Task 3.2: Municipal Potable Waterline	1	8	8	6	23
Task 3.3: Sanitary Sewer	1	8	8	6	23
Task 4.0: Construction Plans	8	50	50	26	134
Task 4.1: Potable Waterline Design	4	16	16	10	46
Task 4.2: Sanitary Sewer Line Design	4	16	16	10	46
Task 4.3: Cost Estimation	2	8	8	6	24
Task 5.0: Project Management	58	70	114	114	356
<i>Task 5.1: Project Impacts</i>					
Task 5.1.1: Regulatory	0	0	6	6	12
Task 5.1.2: Health/Environmental	0	0	6	6	12
Task 5.1.3: Economic	0	0	6	6	12
Task 5.1.4: Social	0	0	6	6	12
<i>Task 5.2: Resource Management</i>	4	4	0	0	8
<i>Task 5.3: Schedule Management</i>	0	8	0	0	8
<i>Task 5.4: Meetings</i>					
Task 5.4.1: Team Meetings	12	12	12	12	48
Task 5.4.2: Technical Advisor Meetings	4	4	4	4	16
Task 5.4.3: Grading Instructor Meetings	4	4	4	4	16
Task 5.4.4: Client Meetings	4	4	4	4	16
<i>Task 5.5: Project Deliverables</i>					
Task 5.5.1: 30% Report	4	5	8	8	25
Task 5.5.2: 60% Report	6	6	10	10	32
Task 5.5.3: 90% Report	8	8	12	12	40
Task 5.5.4: 90% Website	4	5	8	8	25
Task 5.5.5: Final Presentation	4	5	8	8	25
Task 5.5.6: Final Report & Website	4	5	20	20	49
Staff Total	71	182	235	205	693