

NAU PARKING LOT 46 DRAINAGE DESIGN PROJECT - STAFFING MATRIX

Task	SR. ENG	PM	JR. ENG	EIT	I. ENG	Total Hours	Days Allotted
1.0 Existing Studies Review							
1.1 Northern Arizona University Data	1	0	3	2	2	8	1
1.2 Previously Conducted Work	3	0	9	6	6	24	3
1.3 Codes and Regulations	1	0	3	2	2	8	1
2.0 Analyze Existing Site							
2.1 Site Visit	0	0	3	3	3	9	1.125
2.2 Survey	0	0	3	3	3	9	1.125
2.3 Topographic Map	2	0	10	6	6	24	3
3.0 Hydrologic Analysis							
3.1 Sub Basin Delineation	0	0	10	8	6	24	3
3.2 Runoff Time of Concentration	0	0	8	4	4	16	2
3.3 Rational Runoff Method	0	0	8	4	4	16	2
4.0 Hydraulic Drainage Analysis							
4.1 Street Gutter	0	0	3	3	2	8	1
4.2 Storm Drain Line and Inlets	0	0	6	6	4	16	2
4.3 Culvert Inlet/Outlet	0	0	6	6	4	16	2
4.4 Open Channel Flow Outfall by Rolle Activity Center	0	0	6	6	4	16	2
4.5 Culvert Inlet/Outlet Protection	0	0	3	3	2	8	1
4.6 Low Impact Development (LID)	1	1	2	2	2	8	1
4.7 Stormwater Runoff Modeling	2	0	12	12	6	32	4
4.7.1 Flow Master	1	0	6	6	3	16	2
4.7.2 Culvert Master	1	0	6	6	3	16	2
5.0 Site Design							
5.1 Overall Site Design	4	0	8	8	4	24	3
5.2 Stormwater Feature Layout	4	0	12	12	4	32	4
5.3 Pedestrian Pathways	2	0	5	5	4	16	2
5.4 Plan Set Development	24	0	30	14	12	80	10
5.4.1 Cover Sheet	0	0	3	3	2	8	1
5.4.2 Project Notes	0	0	3	3	2	8	1
5.4.3 Results of Survey Sheet	12	0	12	4	4	32	4
5.4.4 Drainage Details	12	0	12	4	4	32	4
5.5 Engineering Opinion of probable Cost to Construct	2	1	0	0	0	3	0.375
6.0 Project Deliverables							
6.1 Project Impacts	3	0	6	6	3	18	2.25
6.1.1 Environmental Impacts	1	0	2	2	1	6	0.75
6.1.2 Economic Impacts	1	0	2	2	1	6	0.75
6.1.3 Social Impacts	1	0	2	2	1	6	0.75
6.2 Project Deliverables	21	10	43	43	40	157	19.625
6.2.1 30% Submittal	4	2	8	8	8	30	3.75
6.2.1.1 30% Report	2	1	3	3	3	12	1.5
6.2.1.2 30% Presentation	0	1	2	2	3	8	1
6.2.1.3 30% Plan Set	2	0	3	3	2	10	1.25
6.2.2 60% Submittal	4	2	8	8	8	30	3.75
6.2.2.1 60% Report	2	1	3	3	3	12	1.5
6.2.2.2 60% Presentation	0	1	2	2	3	8	1
6.2.2.3 60% Plan Set	2	0	3	3	2	10	1.25
6.2.3 90% Submittal	6	3	12	12	12	45	5.625
6.2.3.1 90% Report	2	1	3	3	3	12	1.5
6.2.3.2 90% Presentation	0	1	3	3	3	10	1.25
6.2.3.3 90% Plan Set	3	0	3	3	3	12	1.5
6.2.3.4 90% Website	1	1	3	3	3	11	1.375
6.2.4 Final Submittal	7	3	15	15	12	52	6.5
6.2.4.1 Final Report	2	1	4	4	3	14	1.75
6.2.4.2 Final Presentation	0	1	3	3	3	10	1.25
6.2.4.3 Final Plan Set	4	0	4	4	3	15	1.875
6.2.4.4 Final Website	1	1	4	4	3	13	1.625
7.0 Project Management							
7.1 Meetings	14	14	14	14	14	70	8.75
7.1.1 Client Meetings	1	1	1	1	1	5	0.625
7.1.2 Technical Advisor Meetings	4	4	4	4	4	20	2.5
7.1.3 Grading Instructor Meetings	2	2	2	2	2	10	1.25
7.1.4 Team Meetings	7	7	7	7	7	35	4.375
7.2 Resource Management	0	15	0	0	0	15	1.875
7.2.1 Schedule Management	0	7	0	0	0	7	0.875
7.2.2 Budget Management (Design Budget)	0	1	0	0	0	1	0.125
7.2.3 Staff Management	0	7	0	0	0	7	0.875
Total						657	82.125