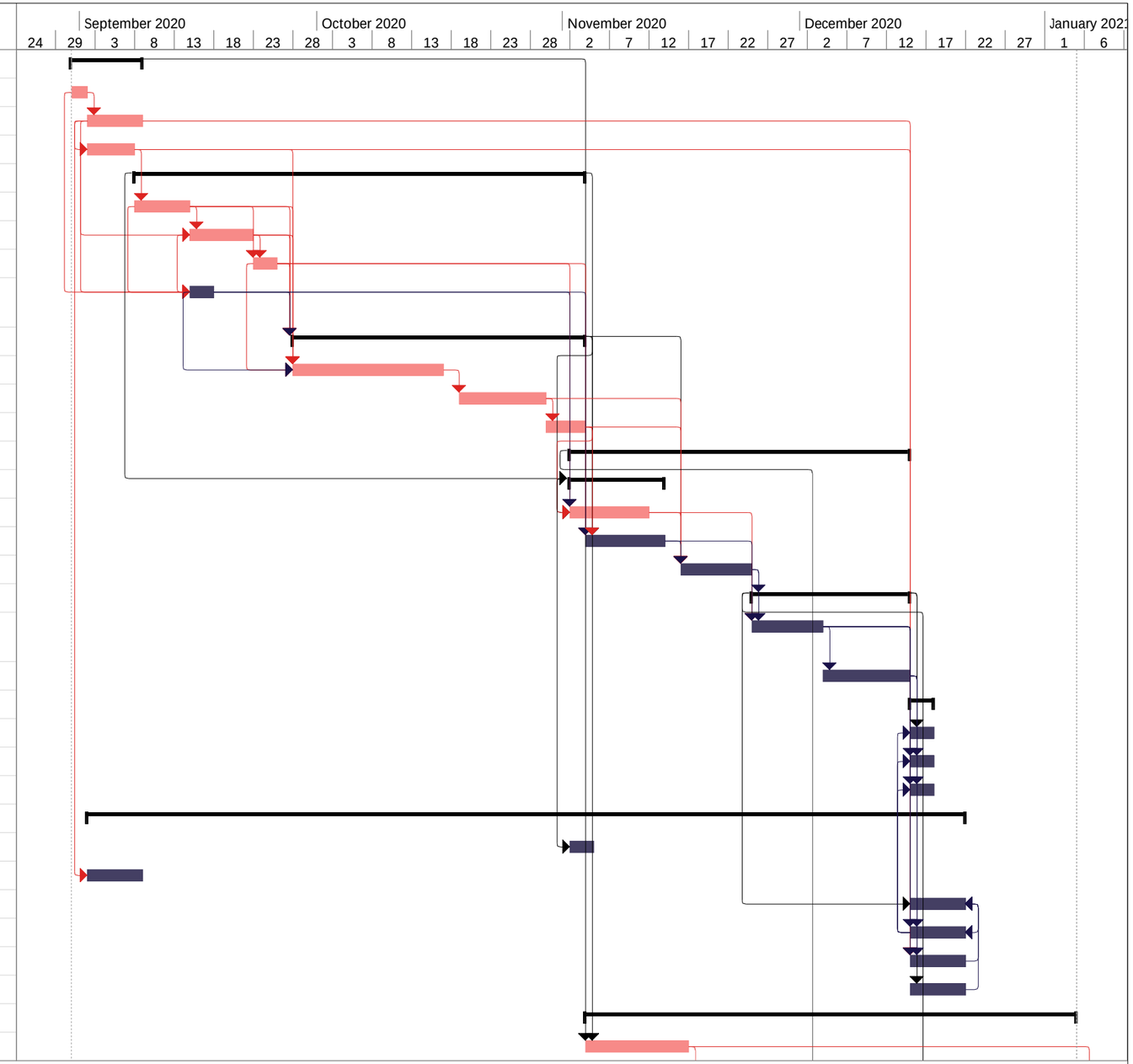
ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
1		**Task 1.0: Site investigation**	**7 days**	**Mon 8/31/20**	**Tue 9/8/20**	
2		1.1: Site Visit	2 days	Mon 8/31/20	Tue 9/1/20	
3		1.2: Land Survey	5 days	Wed 9/2/20	Tue 9/8/20	2
4		1.3: Topograph map	4 days	Wed 9/2/20	Mon 9/7/20	3SS
5		**Task 2.0: Hydrologic analysis**	**41 days**	**Tue 9/8/20**	**Tue 11/3/20**	
6		2.1: Major-basin delineation	5 days	Tue 9/8/20	Mon 9/14/20	4
7		2.2: Sub-basin & tc path deline	6 days	Tue 9/15/20	Tue 9/22/20	4SS,6
8		2.3: Tc calculation	3 days	Wed 9/23/20	Fri 9/25/20	7,6
9		2.4: weighted curve number development	3 days	Tue 9/15/20	Thu 9/17/20	2SS,3SS,6SS,7SS
10		**2.5: HEC-HMS**	**27 days**	**Mon 9/28/20**	**Tue 11/3/20**	**6,7,8,9**
11		2.5.1: Model setup	15 days	Mon 9/28/20	Fri 10/16/20	4,6,7,8SS,9SS
12		2.5.2: Unit hydrograph	9 days	Mon 10/19/2	Thu 10/29/20	11
13		2.5.3Model optimization	3 days	Fri 10/30/20	Tue 11/3/20	12
14		**Task 3.0: Hydraulic analysis**	**31 days**	**Mon 11/2/20**	**Mon 12/14/2**	
15		**3.1: Existing & proposed desig**	**10 days**	**Mon 11/2/20**	**Fri 11/13/20**	**5SS**
16		3.1.1: Culvertmaster	8 days	Mon 11/2/20	Wed 11/11/2	8,9,10,13
17		3.1.2: Flowmaster	8 days	Wed 11/4/20	Fri 11/13/20	10,8,9,13
18		3.2: Alternative designs	7 days	Mon 11/16/2	Tue 11/24/20	10,12,16,17,13
19		**3.3: Final design**	**14 days**	**Wed 11/25/2**	**Mon 12/14/2**	**18**
20		3.3.1 Connecting design through existing CMP	7 days	Wed 11/25/20	Thu 12/3/20	16,17,18
21		3.3.2: Outlet protection	7 days	Fri 12/4/20	Mon 12/14/2	20
22		**Task 4.0: Impacts**	**3 days**	**Tue 12/15/20**	**Thu 12/17/20**	
23		4.1: Social impact	3 days	Tue 12/15/20	Thu 12/17/20	30SS,19
24		4.2: Environmental impact	3 days	Tue 12/15/20	Thu 12/17/20	20,21,30SS
25		4.3: Economic impact	3 days	Tue 12/15/20	Thu 12/17/20	20,21,30SS
26		**Task 5.0: Plan set**	**79 days**	**Wed 9/2/20**	**Mon 12/21/2**	
27		5.1: Cover sheet	3 days	Mon 11/2/20	Wed 11/4/20	15SS
28		5.2: Survey sheet	5 days	Wed 9/2/20	Tue 9/8/20	3SS
29		5.3: Notes & details	5 days	Tue 12/15/20	Mon 12/21/2	19SS,31FF,32FF
30		5.4: Demolition sheet	5 days	Tue 12/15/20	Mon 12/21/2	20,21,29FF
31		5.5: Plan sheet	5 days	Tue 12/15/20	Mon 12/21/2	4,20,21,3
32		5.6: Plan profile of design	5 days	Tue 12/15/20	Mon 12/21/2	19
33		**Task 6.0: Deliverables**	**45 days**	**Wed 11/4/20**	**Mon 1/4/21**	
34		6.1: 30% Submission	9 days	Wed 11/4/20	Mon 11/16/2	1,5



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

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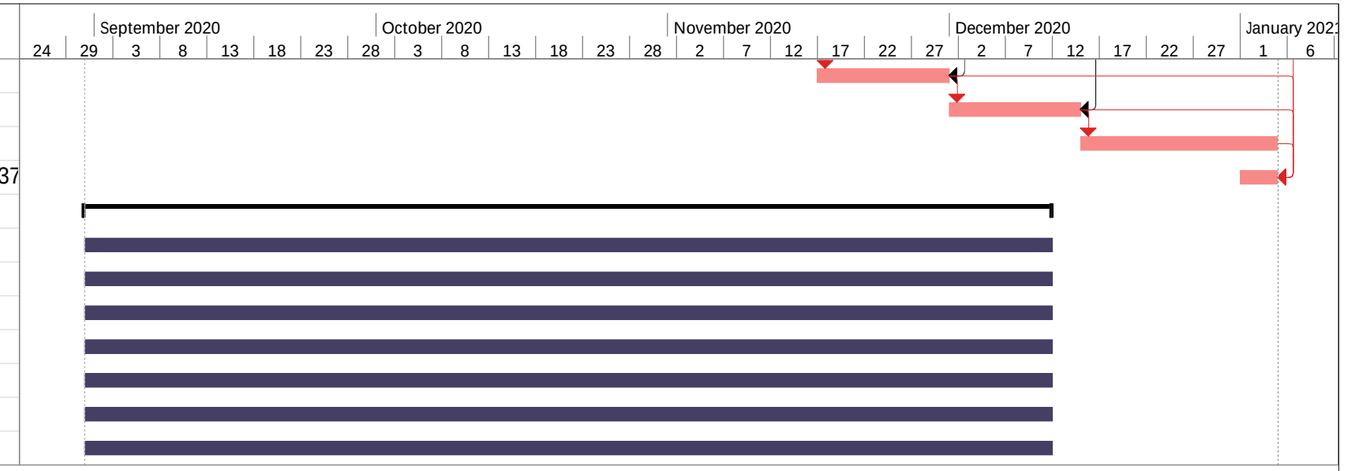
ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
35		6.2: 60% Submission	10 days	Tue 11/17/20	Mon 11/30/2	34,14SF
36		6.3: 90% Submission	10 days	Tue 12/1/20	Mon 12/14/2	35,19SF
37		6.4: Final Submission	16 days	Tue 12/15/20	Mon 1/4/21	36
38		6.5: Website	2 days	Fri 1/1/21	Mon 1/4/21	35FF,36FF,34FF,37
39		**Task 7.0: Project management**	**75 days**	**Mon 8/31/20**	**Fri 12/11/20**	
40		7.1: Team meetings	75 days	Mon 8/31/20	Fri 12/11/20	
41		7.2: TA meetings	75 days	Mon 8/31/20	Fri 12/11/20	
42		7.3: Client meetings	75 days	Mon 8/31/20	Fri 12/11/20	
43		7.4: GI meeting	75 days	Mon 8/31/20	Fri 12/11/20	
44		7.5: Schedule management	75 days	Mon 8/31/20	Fri 12/11/20	
45		7.6: Budget management	75 days	Mon 8/31/20	Fri 12/11/20	
46		7.7: Personnel management	75 days	Mon 8/31/20	Fri 12/11/20	



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

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