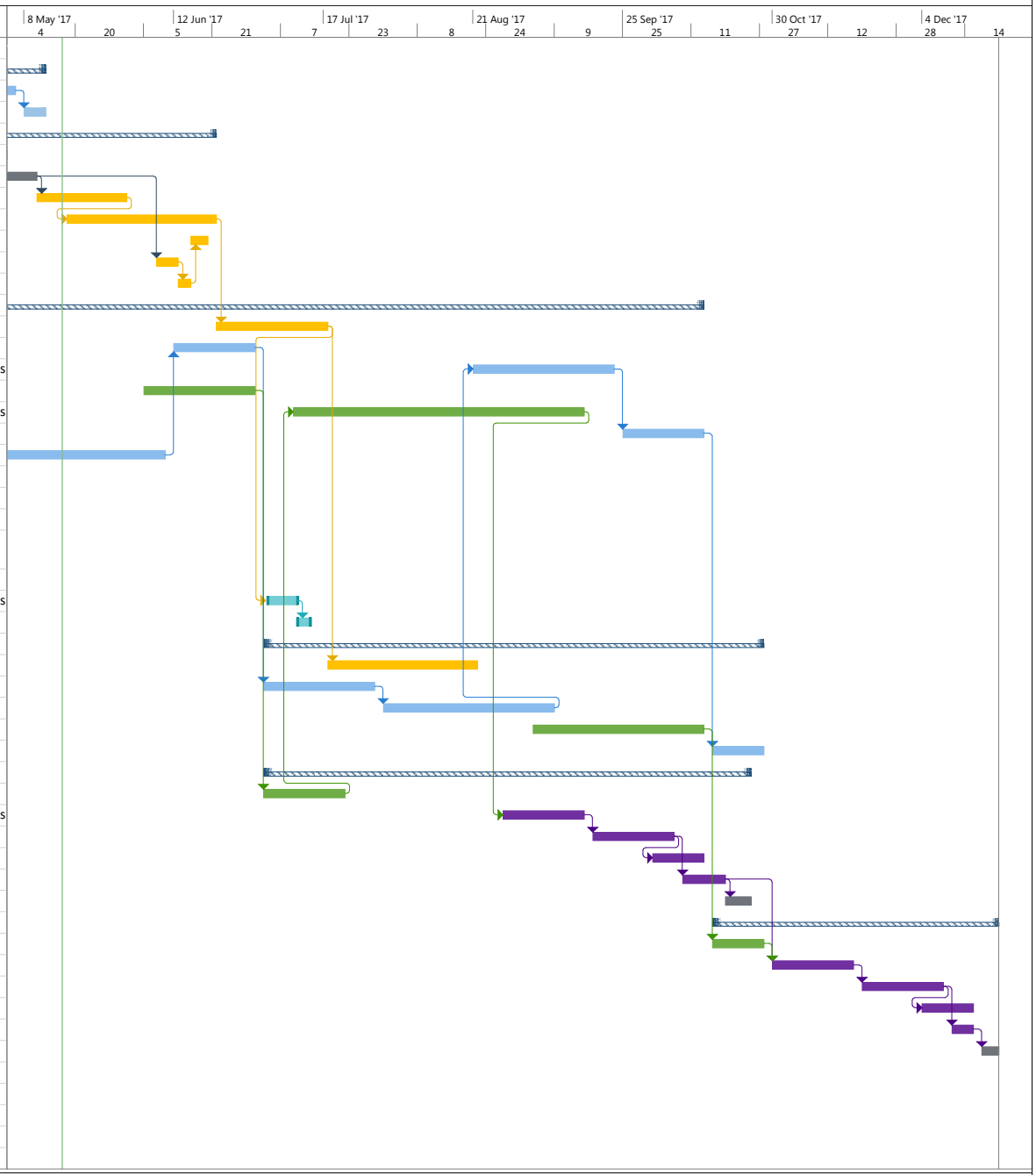ID	Task Name	Duration	Start	Finish	Predecessors
1	**Stormwater System Construction Programme**				
2	**Wetland**	**10 days**	**Mon 1/05/17**	**Fri 12/05/17**	
3	clean out diversion channel for western catchment	1 wk	Mon 1/05/17	Fri 5/05/17	
4	replant areas affected by flooding	1 wk	Mon 8/05/17	Fri 12/05/17	3
5	**Combined Swale down road to stream chainage 1110 - 1320m)**	40 days	Thu 27/04/17	Wed 21/06/17	
6	finalise design for swale section	5 days	Thu 27/04/17	Wed 3/05/17	
7	negotiate and engage contractor	7 days	Tue 2/05/17	Wed 10/05/17	
8	rock supply	3 wks	Thu 11/05/17	Wed 31/05/17	7
9	construct swale (from chainage 1110 - 1320)	25 days	Thu 18/05/17	Wed 21/06/17	8FS-10 days
10	construct erosion protection at stream outlet	2 days	Fri 16/06/17	Mon 19/06/17	12
11	construct culvert section adjacent to outlet (1320 - 1330m)	3 days	Thu 8/06/17	Mon 12/06/17	7FS+4 wks
12	construct wingwalls on inlet and outlet	3 days	Tue 13/06/17	Thu 15/06/17	11
13	**Eastern swale (permanent swale)**	120 days	Mon 1/05/17	Fri 13/10/17	
14	construct swale (from chainage 1110 - 900m)	18 days	Thu 22/06/17	Mon 17/07/17	9
15	construct swale (from chainage 900 - 775m)	15 days	Mon 12/06/17	Fri 30/06/17	20
16	construct swale (from chainage 775 - 430m)	25 days	Mon 21/08/17	Fri 22/09/17	31FS-15 days
17	clear filling area of existing stock piles in swale area 430 - 150m	20 days	Mon 5/06/17	Fri 30/06/17	
18	fill area with cleanfill for swale section 430m - 150m	50 days	Mon 10/07/17	Fri 15/09/17	35FS-10 days
19	construct swale (from chainage 430 - 150m)	15 days	Mon 25/09/17	Fri 13/10/17	16
20	construct permanent completed Mitchell Street cut-off swale	30 days	Mon 1/05/17	Fri 9/06/17	
21	**Eastern Swale - Temporary swale**	43 days	Wed 1/03/17	Fri 28/04/17	
22	construct swale (from chainage 1110 - 900m)	2 wks	Mon 3/04/17	Fri 14/04/17	
23	construct swale (from chainage 900 - 775m)	2 wks	Mon 17/04/17	Fri 28/04/17	22
24	construct swale (from chainage 775 - Mitchell Street pond pump discharge)	2 days	Mon 1/05/17	Tue 2/05/17	23
25	construct temporary Mitchell Street Cut-off swale	6 wks	Wed 1/03/17	Tue 11/04/17	
26	Plug Mitchell Street pond	5 days	Tue 4/07/17	Mon 10/07/17	14FS-10 days
27	Install pump on Mitchell Street pond	3 days	Tue 11/07/17	Thu 13/07/17	26
28	**Western Swale (permanent swale)**	85 days	Mon 3/07/17	Fri 27/10/17	
29	construct swale (from chainage 1110 - 780m)	25 days	Tue 18/07/17	Mon 21/08/17	14
30	construct swale (from chainage 780 - 560m)	20 days	Mon 3/07/17	Fri 28/07/17	15
31	construct swale (from chainage 560 - 150m)	30 days	Mon 31/07/17	Fri 8/09/17	30
32	construct bench for top section of western swale (150 - 0m)	30 days	Mon 4/09/17	Fri 13/10/17	
33	construct top secton of swale (chainage 150 - 0m)	10 days	Mon 16/10/17	Fri 27/10/17	19
34	**Eastern Dam**	82 days	Mon 3/07/17	Tue 24/10/17	
35	clear dam area	15 days	Mon 3/07/17	Fri 21/07/17	17
36	construct core and cut-off into intact rock	15 days	Mon 28/08/17	Fri 15/09/17	18FS-15 days
37	construct outer section of dam	15 days	Mon 18/09/17	Fri 6/10/17	36
38	construct stormwater outlet with overflow weir	10 days	Mon 2/10/17	Fri 13/10/17	37FS-5 days
39	construct clay lining	8 days	Mon 9/10/17	Wed 18/10/17	37
40	commission dam structure	4 days	Thu 19/10/17	Tue 24/10/17	39
41	**Western Dam**	49 days	Mon 16/10/17	Thu 21/12/17	
42	clear dam area	10 days	Mon 16/10/17	Fri 27/10/17	32
43	construct core and cut-off into intact rock	15 days	Mon 30/10/17	Fri 17/11/17	39,42
44	construct outer section of dam	15 days	Mon 20/11/17	Fri 8/12/17	43
45	construct stormwater outlet with overflow weir	10 days	Mon 4/12/17	Fri 15/12/17	44FS-5 days
46	construct clay lining	5 days	Mon 11/12/17	Fri 15/12/17	44
47	commission dam structure	4 days	Mon 18/12/17	Thu 21/12/17	46
48	Notes				
49	T & T swale construction team				
50	T & T clean fill operation team				
51	John Ray Ltd				
52	Dam Construction contractor