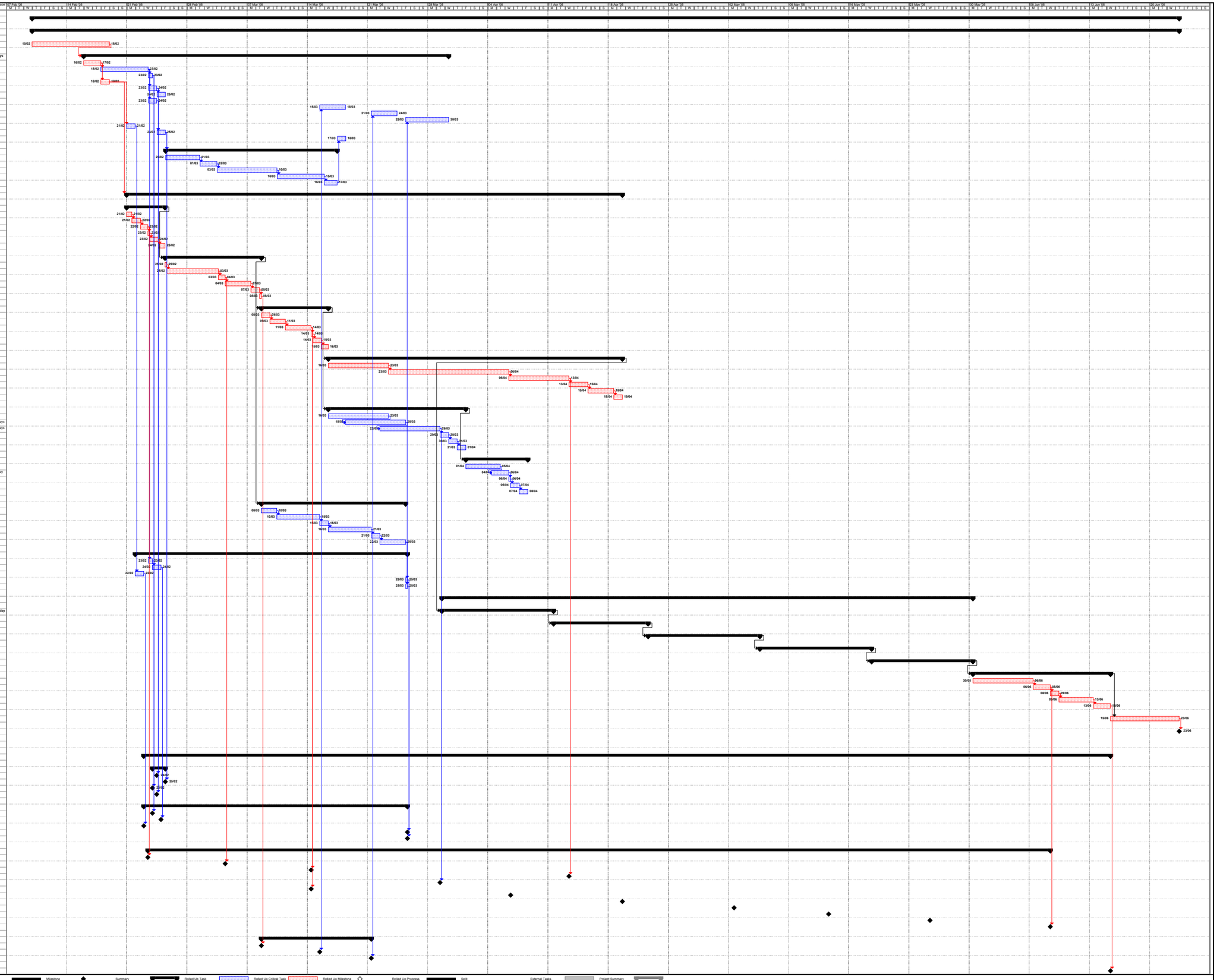
ID		Task Name	Duration	Start	Finish	Predecessors
1						
2		**Snave Construction program**	**95.4 days**	**Thu 10/02/05**	**Thu 23/06/05**	
3						
4		**Project control**	**95.4 days**	**Thu 10/02/05**	**Thu 23/06/05**	
5						
6		Building site establishment	7 days	Thu 10/02/05	Fri 18/02/05	
7						
8		**Excavation**	**30.4 days**	**Wed 16/02/05**	**Wed 30/03/05**	**6FS-3 days**
9		Removal of topsoil	2 days	Wed 16/02/05	Thu 17/02/05	
10		Excavation of pool	3.5 days	Fri 18/02/05	Wed 23/02/05	9
11		Granular fill 200 mm	0.5 days	Wed 23/02/05	Wed 23/02/05	10
12		Excavation of foundations	1 day	Fri 18/02/05	Fri 18/02/05	9
13		Structural fill 150 mm	1 day	Wed 23/02/05	Thu 24/02/05	10
14		Structural fill under foundations	1 day	Thu 24/02/05	Fri 25/02/05	13
15		Excavation of sewer and stormwater	1 day	Wed 23/02/05	Thu 24/02/05	10
16		Backfill of swimming pool 4m	3 days	Tue 15/03/05	Fri 18/03/05	81
17		Backfill of swimming pool 1.8 m	3 days	Mon 21/03/05	Thu 24/03/05	83
18		Backfill of swimming pool 1.2m	3 days	Fri 25/03/05	Wed 30/03/05	85
19		Backfill of foundations	1 day	Mon 21/02/05	Mon 21/02/05	12
20		Sandfill under sewer and stormwater	1 day	Thu 24/02/05	Fri 25/02/05	15
21		Sandfill around sewer and stormwater	1 day	Thu 17/03/05	Fri 18/03/05	28
22						
23		**Sewer and stormwater**	**14 days**	**Fri 25/02/05**	**Thu 17/03/05**	**20**
24		Sewer pipes	2 days	Fri 25/02/05	Tue 01/03/05	
25		Manholes for sewer pipes	2 days	Tue 01/03/05	Thu 03/03/05	24
26		Stormwater pipes	5 days	Thu 03/03/05	Thu 10/03/05	25
27		Manholes for stormwater	3.5 days	Thu 10/03/05	Tue 15/03/05	26
28		Outlet structure for stormwater	1.5 days	Wed 16/03/05	Thu 17/03/05	27
29						
30		**Foundations and slabs**	**41.9 days**	**Mon 21/02/05**	**Tue 19/04/05**	**12**
31						
32		**Foundations under swimming pool**	**4.4 days**	**Mon 21/02/05**	**Fri 25/02/05**	
33		Formwork erection side 1	0.7 days	Mon 21/02/05	Mon 21/02/05	
34		Reinforcement	1 day	Mon 21/02/05	Tue 22/02/05	33
35		Formwork erection side 2	0.7 days	Tue 22/02/05	Wed 23/02/05	34
36		Placement of concrete	0.5 days	Wed 23/02/05	Wed 23/02/05	35
37		Curing concrete	1 day	Wed 23/02/05	Thu 24/02/05	36
38		removal of formwork	0.5 days	Thu 24/02/05	Fri 25/02/05	37
39						
40		**Foundations and slabs in swimming pool**	**7.5 days**	**Fri 25/02/05**	**Tue 08/03/05**	**32**
41		Formwork erection side 1	0.5 days	Fri 25/02/05	Fri 25/02/05	
42		Reinforcement	4 days	Fri 25/02/05	Thu 03/03/05	41
43		Formwork erection side 2	0.5 days	Thu 03/03/05	Fri 04/03/05	42
44		Placement of concrete	1 day	Fri 04/03/05	Mon 07/03/05	43
45		Curing concrete	1 day	Mon 07/03/05	Tue 08/03/05	44
46		removal of formwork	0.5 days	Tue 08/03/05	Tue 08/03/05	45
47						
48		**Foundations in main building**	**5.5 days**	**Tue 08/03/05**	**Wed 16/03/05**	**40**
49		Formwork erection side 1	1 day	Tue 08/03/05	Wed 09/03/05	
50		Reinforcement	1.5 days	Wed 09/03/05	Fri 11/03/05	49
51		Formwork erection side 2	1 day	Fri 11/03/05	Mon 14/03/05	50
52		Placement of concrete	0.5 days	Mon 14/03/05	Mon 14/03/05	51
53		Curing concrete	1 day	Mon 14/03/05	Tue 15/03/05	52
54		removal of formwork	0.5 days	Tue 15/03/05	Wed 16/03/05	53
55						
56		**Foundations and slabs in main building**	**24.5 days**	**Wed 16/03/05**	**Tue 19/04/05**	**48**
57		Formwork erection side 1	5 days	Wed 16/03/05	Wed 23/03/05	
58		Reinforcement	10 days	Wed 23/03/05	Wed 06/04/05	57
59		Formwork erection side 2	5 days	Wed 06/04/05	Wed 13/04/05	58
60		Placement of concrete	2.5 days	Wed 13/04/05	Fri 15/04/05	59
61		Curing concrete	1 day	Fri 15/04/05	Mon 18/04/05	60
62		removal of formwork	1 day	Mon 18/04/05	Tue 19/04/05	61
63						
64		**Pile foundation**	**12 days**	**Wed 16/03/05**	**Fri 01/04/05**	**48**
65		Boring piles	5 days	Wed 16/03/05	Wed 23/03/05	
66		Reinforcement	5 days	Fri 18/03/05	Fri 25/03/05	66FS-3 days
67		Formwork erection	5 days	Tue 22/03/05	Tue 29/03/05	66FS-3 days
68		Placement of concrete	1 day	Tue 29/03/05	Wed 30/03/05	67
69		Curing concrete	1 day	Wed 30/03/05	Thu 31/03/05	68
70		removal of formwork	1 day	Thu 31/03/05	Fri 01/04/05	69
71						
72		**Columns**	**5.5 days**	**Fri 01/04/05**	**Fri 08/04/05**	**64**
73		Formwork erection	2 days	Fri 01/04/05	Tue 05/04/05	
74		Reinforcement	2 days	Mon 04/04/05	Wed 06/04/05	73FS-1 day
75		Placement of concrete	0.5 days	Wed 06/04/05	Wed 06/04/05	74
76		Curing concrete	1 day	Wed 06/04/05	Thu 07/04/05	75
77		removal of formwork	1 day	Thu 07/04/05	Fri 08/04/05	76
78						
79		**Elements**	**12.5 days**	**Tue 08/03/05**	**Fri 25/03/05**	**40**
80		Placement of elements 4m pool	1.5 days	Tue 08/03/05	Thu 10/03/05	
81		Formwork and placement of concrete between elements	3 days	Thu 10/03/05	Tue 15/03/05	80
82		Placement of elements 1.8m pool	1 day	Tue 15/03/05	Wed 16/03/05	81
83		Formwork and placement of concrete between elements	3 days	Wed 16/03/05	Mon 21/03/05	82
84		Placement of elements 1.2m pool	1 day	Mon 21/03/05	Tue 22/03/05	83
85		Formwork and placement of concrete between elements	3 days	Tue 22/03/05	Fri 25/03/05	84
86						
87		**Site concrete**	**23.9 days**	**Tue 22/02/05**	**Fri 25/03/05**	
88		Under foundations of pool	0.5 days	Wed 23/02/05	Wed 23/02/05	10
89		Under pool	1 day	Thu 24/02/05	Thu 24/02/05	11
90		Under foundations of building	1 day	Tue 22/02/05	Tue 22/02/05	19
91		Under stairs in pool	0.5 days	Fri 25/03/05	Fri 25/03/05	85
92		Under landing in pool	0.5 days	Fri 25/03/05	Fri 25/03/05	85
93						
94		**Concrete walls**	**43.5 days**	**Tue 29/03/05**	**Mon 30/05/05**	
95						
96		**Cycle 1**	**9 days**	**Tue 29/03/05**	**Mon 11/04/05**	**66FS-15 day**
103						
104		**Cycle 2**	**9 days**	**Mon 11/04/05**	**Fri 22/04/05**	**96**
111						
112		**Cycle 3**	**9 days**	**Fri 22/04/05**	**Thu 05/05/05**	**104**
119						
120		**Cycle 4**	**9 days**	**Thu 05/05/05**	**Wed 18/05/05**	**112**
127						
128		**Cycle 5**	**7.5 days**	**Wed 18/05/05**	**Mon 30/05/05**	**120**
135						
136		**Condrete structural slab**	**12 days**	**Mon 30/05/05**	**Wed 15/06/05**	**128**
137		Formwork erection	0 days	Mon 30/05/05	Mon 06/06/05	
138		Reinforcement	2 days	Mon 06/06/05	Wed 08/06/05	137
139		Placement of concrete	1 day	Wed 08/06/05	Thu 09/06/05	138
140		Curing concrete	2 days	Thu 09/06/05	Mon 13/06/05	139
141		removal of formwork	2 days	Mon 13/06/05	Wed 15/06/05	140
142						
143		Windows and doors	6 days	Wed 15/06/05	Thu 23/06/05	136
144						
145		Handing over	0 days	Thu 23/06/05	Thu 23/06/05	143
146						
147						
148						
149		**Material deliveries at site**	**86.4 days**	**Tue 22/02/05**	**Wed 15/06/05**	
150						
151		**Soil fill ins**	**1.5 days**	**Wed 23/02/05**	**Fri 25/02/05**	
152		Sandfill under and around sewer	0 days	Thu 24/02/05	Thu 24/02/05	15
153		Sewer and stormwater pipes	0 days	Fri 25/02/05	Fri 25/02/05	20
154		Granualar fill	0 days	Wed 23/02/05	Wed 23/02/05	11
155		Structural fill	0 days	Thu 24/02/05	Thu 24/02/05	13
156						
157		**Site concrete**	**22.9 days**	**Tue 22/02/05**	**Fri 25/03/05**	
158		Site concrete under foundations of pool	0 days	Wed 23/02/05	Wed 23/02/05	88
159		Site concrete under pool	0 days	Thu 24/02/05	Thu 24/02/05	89
160		Site concrete Under foundations of building	0 days	Tue 22/02/05	Tue 22/02/05	90
161		Site concrete under stairs in pool	0 days	Fri 25/03/05	Fri 25/03/05	91
162		Site concrete under landing in pool	0 days	Fri 25/03/05	Fri 25/03/05	92
163						
164		**Concrete**	**75 days**	**Wed 23/02/05**	**Wed 08/06/05**	
165		Foundation under swimming pool	0 days	Wed 23/02/05	Wed 23/02/05	35
166		Foundation in slabs in swimming pool	0 days	Fri 04/03/05	Fri 04/03/05	43
167		Foundation in main building	0 days	Mon 14/03/05	Mon 14/03/05	51
168		Pile foundation	0 days	Wed 13/04/05	Wed 13/04/05	59
169		Columns	0 days	Tue 29/03/05	Tue 29/03/05	67
170		Foundations and slabs in main buildings	0 days	Mon 14/03/05	Mon 14/03/05	51
171		Concrete wall cycle 1	0 days	Wed 06/04/05	Wed 06/04/05	99
172		Concrete wall cycle 2	0 days	Tue 19/04/05	Tue 19/04/05	107
173		Concrete wall cycle 3	0 days	Mon 02/05/05	Mon 02/05/05	115
174		Concrete wall cycle 4	0 days	Fri 13/05/05	Fri 13/05/05	123
175		Concrete wall cycle 5	0 days	Wed 25/05/05	Wed 25/05/05	131
176		Concrete structural floor	0 days	Wed 08/06/05	Wed 08/06/05	138
177						
178		**Elements**	**8.5 days**	**Tue 08/03/05**	**Mon 21/03/05**	
179		Installation 1	0 days	Tue 08/03/05	Tue 08/03/05	46
180		Installation 2	0 days	Tue 15/03/05	Tue 15/03/05	81
181		Installation 3	0 days	Mon 21/03/05	Mon 21/03/05	83
182						
183		Windows and doors	0 days	Wed 15/06/05	Wed 15/06/05	141



Project: BTProgram_cost_materaial
Date: Sun 07/11/04

Task | Critical Task | Progress | Milestone | Summary | Rolled Up Task | Rolled Up Critical Task | Rolled Up Milestone | Rolled Up Progress | Split | External Tasks | Project Summary