Appendix C Additional VisiLean Images

This appendix provides high resolution screen shots of VisiLean prototype describing various functions of system for improved clarity.

Figure 1 shows the phase planning screen shot with approximately three months duration of tasks shown. One key feature is visualization of different task statuses from production planning and control perspective. For example, the image shows the “prepare grading” task that is not ready as the resource allocated to it, “JCB Backhoe”, is not available yet. Resource constraints can be added either in the Phase or Lookahead planning stage.

Figure 1. Phase Planning in VisiLean.
Figure 2 shows tasks within a two week Lookahead planning window. The main goal is that once these tasks are selected in the Lookahead plan, both the teams (Team A and Team B) will list all the constraints associated with each of the tasks. Within the next two weeks they will have the opportunity to remove the constraints and get the tasks ready for the weekly execution work plan. Only those tasks with “ready” status can then be released to the weekly plan.

Figure 2. Lookahead planning screen, showing tasks within a two week window.
Figure 3 shows the weekly work plan where the selected task is ready as the single constraint that is associated with it is marked as available. Also note that the task pop-up in the model view shows a green “ready” symbol against the element in the model. During the execution week, the teams will use the start, stop and complete buttons to indicate the current status of the task.
Figure 4 shows the task filtering during planning to facilitate selection of tasks based on various criteria such as organisation, role, space, status and date, etc. Filtering will be used during the collaborative planning meetings to visualise a selection of tasks, which can then be reviewed and appropriate action taken.

Figure 4. Task filtering during planning in VisiLean.
Figure 5 shows the top-level system architecture and is a high resolution version of Figure 39, which was shown in Chapter 5.