

CONSTRUCTION STAGING METHODOLOGY FOR UPGRADES
TO COCA-COLA AMATIL FACILITY, NORTHMEAD, NSW
STAGE 2 – NEW HIGH BAY WAREHOUSE

PHASE 1 – BUILDERS WORK

- ON COMPLETION OF STAGE 1 PHASE 3, ALL CONSTRUCTION VEHICLES REQUIRED TO COMPLETE STAGE 2 WILL ENTER VIA THE CONSTRUCTION ACCESS POINT WEST OF THE INTERSECTION OF BRIENS ROAD AND OLD WINDSOR ROAD.
- ON SITE CONSTRUCTION PARKING & SITE SHEDS WILL BE LOCATED AT THE SOUTHERN END OF STAGE 2 WORKS. CLEARANCES FOR TRUCKS TURNING MUST BE MAINTAINED AT THE SOUTHERN END OF THE CONSTRUCTION ROAD WAY.
- A TEMPORARY DIVIDING WALL IS TO BE INSTALLED INSIDE WAREHOUSE B TO REDUCE ANY CONSTRUCTION ACTIVITY IMPACT ON THE PROCESS AREAS.
- ONCE THE FINAL EARTHWORKS TRIM OF THE SITE HAS BEEN COMPLETED THE INSTALLATION OF THE BORED PIER FOUNDATIONS FOR THE HIGH BAY WAREHOUSE CAN COMMENCE.
- THE SUSPENDED SLAB ON THE GROUND FOR THE HIGHBAY WAREHOUSE CAN BE POURED FOLLOWING THE COMPLETION OF THE BORED PIER FOUNDATIONS. THIS SLAB CAN THEN BE HANDED OVER TO SWISSLOG FOR INSTALLATION OF THE HIGHBAY RACKING.
- THE SLABS AND ROOF STRUCTURE OF THE LOW LEVEL STAGING AREA CAN BE CONSTRUCTED.
- THE AREA TO THE SOUTH OF THE EXISTING CANTEEN BUILDING IS TO BE PREPARED FOR USE AS THE SWISSLOG WAREHOUSE CRANE ASSEMBLY YARD.
- SEE ROBERT BIRD GROUP DRAWING No. 06371 S2.01 Rev P1.

PHASE 2 – SWISSLOG WORK

- FOLLOWING THE HANDOVER OF THE HIGH BAY WAREHOUSE SUSPENDED SLAB ON GROUND, THE PROPOSED TOWER CRANE (CURRENTLY A LIEBHERR 200HC WITH 60M JIB) CAN BE ERECTED ON RAILS RUNNING NORTH-SOUTH IN THE MIDDLE OF THE HIGH BAY BUILDING SLAB.
- DELIVER THE RACKING (IN CONTAINERS) VIA THE CONSTRUCTION ACCESS ROAD AND ASSEMBLE RACKING IN PLACE ON THE SUSPENDED SLAB ON GROUND.
- UTILISING THE DEDICATED AREA SOUTH OF THE CANTEEN, SWISSLOG CAN RECIEVE DELIVERIES OF WAREHOUSE CRANE COMPONENTS AND ASSEMBLE UP TO 4 CRANES AT A TIME. TRUCK ACCESS TO THE ASSEMBLY AREA CAN BE ACHIEVED BY TURNING RIGHT OFF THE CONSTRUCTION ACCESS ROAD BEFORE REACHING THE HIGH BAY WAREHOUSE ZONE THEN TRAVEL SOUTH BETWEEN THE CANTEEN AND THE HIGH BAY WAREHOUSE. MOBILE CRANES WILL BE USED TO MANIPULATE THE WAREHOUSE CRANES.
- ALTERATIONS TO NEW PRODUCTION LINE
- THE CONVEYOR COMPONENTS ARE TO BE DELIVERED AND ASSEMBLED IN THE EASTERN END OF WAREHOUSE B AND INSTALLED IN THE LOW LEVEL STAGING AREA.
- ONCE THE SWISSLOG RACKING INSTALLATION REACHES CERTAIN STAGES, VARIOUS TASKS WILL BE TRIGGERED:
 - 25% OF RACKING INSTALLED – BUILDER CAN COMMENCE CLADDING, TO BE COMPLETED WITH USE OF MOBILE CRANES FROM HIGH BAY PERIMETER.
 - 67% OF RACKING INSTALLED – WAREHOUSE CRANES CAN BE MANOUEVERED FROM ASSEMBLY AREA ONTO THE HIGH BAY SLAB AND ERECTED INTO POSITION.
 - 75% OF RACKING INSTALLED – WAREHOUSE CRANES CAN BE COMMISSIONED.
- THE BUILDER CAN COMPLETE THE CLADDING WORKS FOLLOWING THE COMMISSIONING OF THE WAREHOUSE CRANES.
- UPON COMPLETION OF THE CLADDING SWISSLOG CAN COMMISSION THE WAREHOUSE RACKING EQUIPMENT.
- SEE ROBERT BIRD GROUP DRAWING No. 06371 S2.02 Rev P1.

PHASE 3 – RING ROAD WORKS

- ONCE THE HIGH BAY WAREHOUSE IS COMMISSIONED THE RING ROAD HAS TO BE OPENED UP TO THE PROCESS TRAFFIC.
- DURING THIS PHASE THE NOW DISUSED SWISSLOG ASSEMBLY AREA CAN BE USED FOR TEMPORARY CONSTRUCTION PARKING AND SITE SHEDS.
- THE CARPARKING AND SITE SHED AREA USED FOR STAGE 2 PHASE 1 AND 2 CAN BE DECOMMISSIONED AND THE AREA MADE GOOD.
- THE ACCESS POINT FROM BRIENS ROAD IS TO BE CLOSED TO CONSTRUCTION VEHICLES AND ONLY OPEN TO CARS FOR ACCESS TO THE SLIP LANE FOR THE LOT 21 CARPARK. ALL CONSTRUCTION TRAFFIC IS TO ENTER VIA THE MAIN ENTRANCE AND EXISITING GATE HOUSE.
- AT THIS POINT THE PRODUCTION TRAFFIC WILL HAVE TO ACCESS THE HIGH BAY STAGING AREA BY TRAVELLING FROM WEST TO EAST AT THE REAR OF WAREHOUSE A AND B. ONCE THE TRUCKS HAVE RECIEVED THIER LOAD FROM THE STAGING AREA THEY ARE TO RETURN ALONG THE ROADWAY AT THE REAR OF WAREHOUSE A AND B, THROUGH THE GATEHOUSE AND ONTO BRIENS ROAD.
- THE FINAL EASTERN SECTION OF THE CONSTRUCTION ACCESS ROAD (INCLUDING RETAINING WALL) CAN BE COMPLETED AND LINKED ONTO THE REMAINDER OF THE RING ROAD.
- SEE ROBERT BIRD GROUP DRAWING No. 06371 S2.03 Rev P1.

CARPARKING REQUIREMENTS – STAGE 2

	PROCESS	CONSTRUCTION
PHASE 1	150-200	50-120
PHASE 2	150-200	50-120
PHASE 3	150-200	50-120



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Title
**STAGING METHODOLOGY
STAGE 2
CONSTRUCTION NOTES**

Project
**CONSTRUCTION STAGING
METHODOLOGY AT COCA COLA AMATIL
NORTHMEAD, NSW**

NOT FOR CONSTRUCTION			
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