

# Record of contact and discussion

## Woombye Community Reference Group Meeting

<b>Date:</b>	1 December 2015	
<b>Time:</b>	6:00 pm - 8:00 pm	
<b>Location:</b>	Red Bridge Motor Inn (380 Nambour Connection Road, Woombye)	
<b>Chair:</b>	Joe Veraa	
<b>Attendees</b>	Jeff Addison, Rail Back on Track Angela Pollett, Community member William Canty, Woombye Community and Business Association Kirthi Demeijer, Woombye Community Bank Board Member Rodney Gill, Woombye Scout Group	Paul Lowik, Community member Thys Human, Queensland Rail Zoe Scott, Queensland Rail Sarah McCreesh, Queensland Rail James Whybrow, Leighton Contractors Kyle Roggenkamp, Leighton Contractors Anna Levey, Leighton Contractors
<b>Apologies</b>	Councillor Jenny McKay, Sunshine Coast Council Kerry Brown, Sunshine Valley	Ian Kerr, Community member
<b>Independent review</b>	Completed by Joe Veraa, independent chair and Leighton Contractors	

### AGENDA

- Detailed design update
- Hydraulic study maps (demonstrating flood mitigation measures)
- General layout
- Lux plots and location of poles
- Initial drawings of crew facility

### DISCUSSED

#### WCRG protocols and terms of reference

- No additions or questions were raised in relation to the WCRG protocols or terms of reference

#### Detailed design update

##### Detailed design update provided by Thys Human (Project Manager, SEQ Stabling Project).

- Leighton Contractors is currently preparing detailed designs which involves checking and confirming the plans prepared in the concept design phase for all four stabling yards that are being constructed to house the new NGR fleet
- These yards are being constructed in sequence
- Detailed design is an iterative process and not a final or single document
- There are unlikely to be significant changes between the concept design and final detailed design
- The output of detailed design is to create drawings – or the final plan - that people from various disciplines use to construct and against which the works are inspected
- Detailed design provides a high level of detail on all features of the site such as drainage, fencing, lighting and facility buildings. These have to be done in a specific a sequence as one

thing impacts on another.

- The outcomes of flood modelling (hydraulic study maps), general facility layout including lux plots and lighting layout and an indicative crew facility design will be presented as part of the meeting agenda
- There is no requirement for Sunshine Coast Council to sign off on the concept design or final project design
- However, where the design impacts on specific Council assets, such as drainage, sewer and potable water connections, there may be a requirement for these aspects of the design to be reviewed and approved by Council
- While Council may comment on the proposed interface design and request reasonable changes, it is unlikely to result in significant changes to the design

### **General facility layout**

James Whybrow (Design Manager, Leighton Contractors) ran through the detail provided on Woombye stabling facility layout/plot including, but not limited to:

- Pathway for crew to access Woombye station from facility
- Swipe card access for staff
- Connection point for fibre optics
- Relocation of existing power
- Gates open and shut for train entry
- Turnout
- Tie in to existing fence
- New signal
- Site signage
- Traffic/ hazard signs e.g. give way
- Main switch board
- Water connection
- Clarification that the drainage pipes were 4 x 2100, not 4 x 1200
- Train crew facility
- Rainwater tanks
- Connecting paths to crew facility
- Driver access platforms
- Cameras, lights and PA system
- Rock protection
- Rail access maintenance road
- Fencing of facility
- Vehicle turnaround
- Mobile substation
- Confirmation that PA system for emergency evacuation process only
- Based on WCRG feedback the orientation of the carpark had been changed but the pressed mesh fence will help to screen the lights from cars parking in the facility
- Queensland Rail will work with the WCRG in February to identify where further tree screens can be planted. Where possible, Queensland Rail will identify opportunities to plant trees prior to the completion construction
- Hydraulic maps provides further details around contours

A number of questions were raised by the WCRG and answered by the Project Team including:

- Line of sight of facility from the road
- Grade from road to stabling facility
- Can trees soften the impact of fences
- Capacity of drainage pipes compared to other sites
- Can Queensland Rail plant second screening if it doesn't impact on construction

### **Hydraulic study maps**

Hydraulic study maps (demonstrating flood mitigation measures) were presented by James Whybrow

(Design Manager, Leighton Contractors). Information presented includes:

- They included a 1:50 and 1:100 flood event
- Use background of Sunshine Coast Council flood maps and are overlaid with the facility works and how it will affect area
- Some residents will actually experience an improvement in flooding experienced
- Confirmation that flood modelling will not increase flooding
- 4 x 2100 pipes will be used for the construction of the Woombye stabling facility
- The Sunshine Coast planning scheme policy (Schedule 6) refers to Flood Hazard Assessments which relate to assessing the immunity of properties for various flood events to provide advice to landowners, developers, etc. For Flood Hazard Assessment modelling increased rainfall and sea levels relating to climate change are important as the purpose of the modelling is to provide advice to landowners & developers for future planning etc.
- The purpose of the modelling being undertaken by Leighton Contractors is to determine immunity of the stabling yard and access roads and check that the project does not adversely impact upon other properties or the environment
- Our modelling used the following standards:
  - Queensland Urban Drainage Manual
  - Australian Rainfall and Runoff
  - Department of Transport and Main Roads (DTMR) Road Drainage Manual
  - State Planning Policy 2014
  - Sunshine Coast Regional Council requirements

A number of questions were raised by the WCRG and answered by the Project Team including:

- Consideration of climate change in modelling
- Issues related to bank fill
- Issues related to capacity of drainage pipes in exceptional periods of rain falls
- Why doesn't the project have 7 x 1200 pipes like the ones at Plantation Rise

### **Light plot maps**

A light plot map (demonstrating light spill) was presented by James Whybrow (Design Manager, Leighton Contractors). Information presented includes:

- Moonlight equates to 0.2 lux and a street light equates to 7 lux, at ground level
- Modern directional LED lights will be used within facility and will be 10 metres high within the facility
- Operation of lights is not part of the design and construction (D&C contract) but part of NGR and Queensland Rail operations
- Dimming can be changed at any time, it isn't part of the design aspect of the facility
- Current time it takes to dim lights is one hour. This is standard across all Queensland Rail facilities. Woombye is the only community to date that has raised this issue so the Project Team is working with other parts of the Queensland Rail business to determine if this can be reduced.

A number of questions were raised by the WCRG and answered by the Project Team including:

- If the facility is almost designed, is it too late to consider dimming the lights
- Will the visualisation consider night mode
- How many different light zones will there be

### **Other items discussed**

- The second tree planting will be an agenda point for February's CRG
- Once locations of the second tree planting are confirmed, Queensland Rail will investigate which areas can be planted prior to construction completion

## ACTION REQUIRED

ACTION	WHO	STATUS
What is the line of sight of the facility from the road	Leighton Contractors	Leighton Contractors to provide information for next CRG
Can Queensland Rail bring bigger maps which show nearby streets	Queensland Rail	Map will be made available at each meeting upon request
Can students of Woombye State School use the train simulator in future	Queensland Rail	Queensland Rail to liaise with Woombye State School
Does the 3D model/ visualisation have a 'night mode'	Leighton Contractors	Yes

### NEXT MEETING:

- Tuesday 2 February 2015