



DATE: 11 April 2016
SCOPE: Stage 1a

PROJECT: Waurm Ponds Stabling and Maintenance - Future
Land Use Assessment: Site F North of Railway
Corridor

ORDER OF COST ESTIMATE

DESCRIPTION	UNIT	QUANTITY	RATE	ITEM COST	CONTINGENCY		TOTAL ITEM COST	COMMENTS
					%	\$		
STAGE 1a								
Earthworks								
Light clearing and stockpile	sqm							site is 262,000m ²
Cut to disposal (mounds)	cum							Assumed 50000m ² , to 3m depth
Imported Fill (in place)	cum							from Blue Circle
FCR Capping layer 150mm	sqm							track area is 2450m x 7m = 17150 approx
Additional landscaping	Item							
Perimeter earth mounds, 2m high	cum							perimeter is 3600m
								Deleted - Confidential
Drainage								
Stormwater	m							600 mm dia RCP (allowance for rock)
Retention basin	Item							
Sullage separation pit	Item							
Rainwater Storage	Item							
Kerb & Channel on car parks	m							
Side entry pits, grated pits, junction pits	No.							
Pipe connections to main drainage	m							
								Deleted - Confidential
Trackwork								
Supply and install 1 in 7.52 turnouts	No.							
Supply and install 1 in 9 turnouts	No.							
Construct new stabling track	m			Deleted - Confidential				50kg track
Track Drainage (Subsurface drain)	m							150mm dia slotted PVC including pits
Track Cess Drains	m							
Steel Buffer Stop	No.							
								Deleted - Confidential
Facilities								
Train crew amenities	sqm							
Stores building	sqm							
Cleaners Store and amenities	sqm							
Covered Platform	m							
								Deleted - Confidential
Maintenance Facility								
Maintenance Building	Item							Nominal sum
								Deleted - Confidential
Civil Works								
Security fencing with Tiger tape wire	m							Allow for gates
Footpath	sqm							40mm thick asphalt
Train gate	No.							Exclude interlocking
								Deleted - Confidential
Access Roads, Hardstanding, Vehicle Parking								
Access Road	sqm							imported limestone select fill
Loading, handling area	sqm							



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Car parking	sqm							Deleted - Confidential
Mechanical Services								
Yard lighting	No.							
Fire services	Item							
CCTV system	Item							
Electricity supply	Item							
Sewage	Item							
Water	Item							
Signalling (Main Line)								
Signals	No.							
Points	No.							
Level Crossing Upgrade	No.							Reservoir Road Deleted - Confidential
Signalling (Siding)								
Dwarf Signal	No.							
Signals	No.							
Points	No.							
Interlocking gate	No.							
MISCELLANEOUS								
Land Acquisition	sqm			Deleted - Confidential				
Services relocation	No.							Nominal sum
De-contamination	No.							
Environmental Works	No.							Nominal sum
Traffic Mitigation Works	No.							
Total Direct Cost								Deleted - Confidential
On Costs								
Design Cost & Project Management								
Contractor's On costs								
Contractor overheads and margin								
Lessee/Operator PM (minor role)								Deleted - Confidential
Other Authority/Agency Consultee charges								
Project Insurance								
DOT PM (major role)								
Total On Cost								
TOTAL CONSTRUCTION COST								
Risk Adjustment								



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Unplanned / Out of Scope Risks Escalation Risk								
Total Project Risk Adjusted Cost								Deleted - Confidential
DOT Corporate Levy								Deleted - Confidential
DOT Project Development Levy								Deleted - Confidential
TOTAL PROJECT COST								At 2015 cost