

10th May 2018 **Our Ref:** 184/2018GW

Mr G Leghissa Group General Manager Hi-quality Group PO Box 42,

KEMPS CREEK NSW 2178

Email: gleghissa@hiquality.com.au

Dear Sir,

Re: Audit and Verification of Capital Investment Value

Sutton Forest Quarry Pty Ltd Sallys Corner, Hume Highway, Sutton Forest

In accordance with your email dated 26 April 2018 requesting Walton Smith Consultants to provide a report certifying that your calculations of the Capital Investment Value for the Sutton Forest Quarry are reasonable, I respond as follows: -

Documents Provided:

In order to provide our assessment, we have been provided with a copy of the following documents: -

- 1. Preliminary Estimate of Capital Investment Value (Attachment A).
- 2. GHD Preliminary Costing for Access Options (Attachment B).
- 3. Mineral Washing Systems (MWS) quotation for plant and equipment for a similar project (Attachment C).
- 4. Site Establishment and Construction Indicative Site Layout Plan (Attachment D).

Location:

The subject property is located to the southwest of Sallys Corner Interchange, Sutton Forest on Lot 4 DP 253435.

Brief Development Description:

The quarry operation will comprise the extraction and production of up to 860,000 tonnes of sand per annum and will produce two principal types of sand products namely:

- i) washed sand products, i.e. concrete, plastering and tiling sands; and
- ii) brickie's sand (a dry-screened product that is blended with washed sand).

Within these broad classifications, sand products are sold according to quality and size grading.

Employment:

During the establishment and construction phases, the project will employ a total of 20 full time positions.

Quantity Surveyors, Building Consultants and Project Managers



Once fully operational, there will be 22 full-time positions and a further 30 truck drivers will be employed, either by the quarry or its customers.

Capital Investment Value:

In the preparation of this report, I have been guided by Planning Circular PS 10-008 for the definition of the Capital Investment Value, namely that the "Capital investment value of a development or project includes all costs necessary to establish and operate the project, including the design and construction of buildings, structures, associated infrastructure and fixed or mobile plant and equipment".

The Preliminary Estimate of the CIV is \$43,481,000.00 including a 10% Contingency but excluding GST.

The attached CIV is grouped into the following headings: -

MOBILE PLANT:

The mobile plant comprises the plant and equipment which will be located permanently on the quarry site and used for the excavation and handling of the raw material prior to its processing on site by the wash plant.

I have made independent enquiry as to the purchase price of these items of equipment and find that they represent new prices, which one could expect to pay excluding GST.

TOTAL MOBILE PLANT:

\$6,820,000.00

FIXED PLANT:

There are two basic groups of fixed plant:

<u>Fixed Sand Plant</u>: This comprises the supply only of the Sand Wash Plant. I have been provided with a quotation from Mineral Washing Plant (MWS), comprising various Terex Washing Systems plant including conveyors, screen boxes, chutes, pumps, tanks, separators, drive mechanisms, power units, tanks, tower structures, pipework, process automation controllers, thickener silos and electrical installations.

The quotation from MWS is for Hi Quality's Menangle Park project and totals \$3,389,500.00 excluding GST. The MWS quote excludes a large radial stacker and feed hopper, which accounts for the difference between the MWS quote and the \$4,500,000.00 allowance in the CIV. \$4,500,000.00

<u>Fixed Plant Site Works & Construction</u>: This comprised the civil works, installation and erection of the fixed sand plant and is considered reasonable. \$1,000,000.00

TOTAL FIXED PLANT

\$5,500,000.00

QUARRY & INFRASTRUCTURE AREA:

This represents the construction of the quarry and its various items of infrastructure, including Office, Workshop, Sewerage System, Electrical Works, Landscaping etc.

I have reviewed these items and find the prices reasonable, given the preliminary nature of the documentation.

Quantity Surveyors, Building Consultants and Project Managers



TOTAL QUARRY & INFRASTRUCTURE AREA:

\$2,700,000.00

QUARRY ACCESS ROAD:

The quarry is located less than 1km from the Hume Highway. The roadworks proposed comprises the following: -

- 1. an off-ramp from the Hume Highway, a bridge over the highway and access road to the quarry site and
- 2. access to the Hume Highway via access road and on-ramp to the Hume Highway.

GHD has prepared a Schedule of Rates estimates for two options, with figures of \$20,500,000.00 and \$17,700,000.00, excluding a contingency and the GST.

The estimates have been prepared by MI Engineers Pty Ltd, using rates based on Roads & Maritime Services specification and pay items based on assumptions and judgements made by GHD.

In the preparation of the CIV by the High Quality Group, a conservative figure of \$22,000,000.00 has been used.

Overpass Including Ramps.

\$22,000,000.00

In addition to the above, allowances have been made for the following: -

1.	Access Road to Weighbridge	\$500,000.00
2.	Accoustic Walls	\$150,000.00
3.	Landscaping	\$100,000.00
4.	Signage	\$40,000.00

I have reviewed the Schedule of Rates for the Overpass and Ramps and the miscellaneous items above and find the prices and quantities reasonable, given the preliminary nature of the documentation.

TOTAL QUARRY ACCESS ROAD:

\$22,790,000.00

FEES & CONTINGENCY:

The Design Fees, Project Management Fees and Contingencies are based on a combined 12% of the \$37,810,000.00 development costs, which is considered reasonable.

Methodology:

The following is an outline of the method I have employed to audit the Capital Investment Value: -

I received a briefing from Mr Greg Leghissa, Group General Manager of the Hi Quality Group as to the nature and scope of the project.

I have read the above documents, audited the Preliminary Estimate of the Capital Investment Value provided, checked the calculations and verified the accuracy of the quotations provided as supporting documentation for the estimate.

Quantity Surveyors, Building Consultants and Project Managers



This check is valid within the limits of the information available and the preliminary nature of the project, given the absence of detailed documentation for the construction of the quarry.

Conclusion:

I found the estimate and supporting documentation to be reasonable and I consider the total cost of \$43,481,000.00 excluding GST to be a fair and reasonable estimate for the work required to establish the sand mining quarry operation.

I hereby certify that I have found the CIV Preliminary Estimate attached to be a reasonable representation of the cost to establish and operate the quarry at the date of preparation of this report.

Qualifications:

Graeme Walton-Smith, who has prepared this letter and conducted the audit, has a degree in building from the University of NSW, is a Fellow of the Australian Institute of Quantity Surveyors and has had some 40 years experience as a quantity surveyor in many facets of building, mining and civil projects.

Submitted for your attention

Walton Smith Consultants Pty Ltd

Graeme Walton-Smith

Bachelor of Building U.N.S.W.

Fellow of the Australian Institute of Quantity Surveyors, Diploma No. 5441

ATTACHMENT A – PRELIMINARY ESTIMATE OF CIV
Quantity Surveyors, Building Consultants and Project Managers

Sutton Forest Quarries - Capital Investment Value (1,000,000 tpa)

Mobile Plant	- " -						
	Bulldozer		\$	2,000,000		2,000,000	
	Bulldozer		\$	1,000,000	\$	1,000,000	
	Excavator		\$	400,000		800,000	
	Dump Truck		\$	600,000	\$	1,200,000	
	Grader		\$	100,000	\$	100,000	
	Water Cart		\$	100,000	\$	100,000	
	Sales FEL		\$	450,000	\$	450,000	
	Site Ute		\$	50,000	\$	100,000	
	Site Maintenance Vehicle		\$	70,000		70,000	
Cub Tatal	Powerscreen	1	\$	1,000,000	\$	1,000,000	ć c 020 000
Sub Total							\$ 6,820,000
Fixed Dlant	ı						
Fixed Plant	Fixed Cond Dlant	4	,	4 500 000	,	4 500 000	
	Fixed Sand Plant		\$	4,500,000		4,500,000	
Cub Tatal	Fixed Plant Site Works & Construction	1	\$	1,000,000	\$	1,000,000	ć
Sub Total							\$ 5,500,000
0.16	I.						
Quarry & Infrastructure				200.000		200.000	
	Site Works & Preliminaries		\$	200,000		200,000	
	Weighbridge		\$	150,000	\$	150,000	
	Office		\$	100,000	\$	100,000	
	Workshop		\$	100,000		100,000	
	Wheel Wash		\$	50,000	\$	50,000	
	Genset		\$	150,000	\$	150,000	
	Fuel Tanks & Fueling Area		\$	150,000	\$	150,000	
	Pumps & Loose Tools		\$	80,000	\$	80,000	
	Sewage System		\$	50,000	\$	50,000	
	Water Storage Tanks & Plumbing		\$	70,000		70,000	
	Water Storage Dam B		\$	150,000	\$	150,000	
	Water Storage Dam A		\$	150,000	\$	150,000	
	Sediment Dams		\$	200,000		200,000	
	Initial Vegetation Clearing		\$	200,000	\$	200,000	
	Bund walls construction		\$	250,000	\$	250,000	
	Pavement/hardstand		\$	200,000		200,000	
	Landscaping		\$	50,000	\$	50,000	
Cul Takul	Electrical Works	1	\$	400,000	\$	400,000	ć 2.700.000
Sub Total							\$ 2,700,000
Quarry Acces Road	I						
	Overpass including ramps	1	\$	22,000,000	Ś	22,000,000	
	Access Road to Weighbridge		\$	500,000		500,000	
	Accoustic Walls		\$	150,000	\$	150,000	
	Landscaping		\$	100,000		100,000	
	Signage		\$	40,000		40,000	
Sub Total	3,6,10,6	-	Υ	10,000	Y	40,000	\$ 22,790,000
Sub Total							\$ 22,730,000
Fees & Contingency	I						
. ces a contingency	Design & PM Fees	5%	¢	37,810,000	¢	1,890,500	
	Contingecy	10%		37,810,000		3,781,000	
Sub Total	contingecy	10/0	ب	37,010,000	ڔ	3,731,000	\$ 5,671,500
Jub i otui							-
Capital Investment Valu							
Total	! ~						\$ 43,481,500

ATTACHMENT B – GHD PRELIMINARY COSTIN	G

Quantity Surveyors, Building Consultants and Project Managers

Tax Depreciation Schedules • Insurance Valuations • Construction Estimating • Cost Planning • Tenders • Bills of Quantities • Pre-purchase Inspections



Memorandum

08 August 2017

То	Sutton Forest Quarries Pty Ltd c/o Ron Bush at Hi-Quality Group			
Copy to	Stuart Clark, Grant Stewart			
From	Edward Baird	Tel	+61 2 4222 2313	
Subject	Preliminary Costings for Alternates 1 and 2	Job no.	2316081	

Ron,

In May 2017 GHD Pty Ltd (GHD) was engaged to develop a preliminary concept design and undertake a cost estimate to inform and assist Sutton Forrest Quarries in their assessment of access options to the proposed sand quarry at Sallys Corner, Sutton Forest. This proposed access is to be located in the vicinity of the existing road reserve between Lot 4 DP 253435 and Lot 12 DP 241054.

1 Introduction/Background

Sutton Forest Quarries are in planning phases for the development of a sand quarry on Lot 4 DP 253435, to the southwest of the Sallys Corner Interchange at Sutton Forest. It is understood that access considerations to date have primarily focused on the use of the existing Sallys Corner Interchange and having an access way through Lots 1, 2 and 3 DP 253435 (among others) with only Lot 2 DP 253435 being under the ownership of the development. This access route has a number of issues associated with it, these include the following:

- Upgrade requirements to the existing infrastructure network (roads, structures, etc.) at the Sallys
 Corner Interchange facility, including the declaration of the road network as an applicable heavy
 vehicle route
- Traffic interactions between heavy vehicles accessing and leaving the quarry and the general through traffic of the Sallys Corner interchange road network
- Ongoing negotiations with multiple land owners for permission for the access and the associated compensatory requirements for the life of the development
- Terrain challenges for the approved alignment of the access route

In looking to address and/or avoid some of these issues, it has been requested that GHD investigate a potential new interchange with more direct access to the proposed sand quarry site - Lot 4 DP 253435. This memorandum provides a brief summary of the process undertaken and the outcomes associated with this consideration.

Memorandum

2 Option Development

Information and assumptions utilised in undertaking this works include the following.

2.1 Baseline information

GHD has prepared these Preliminary Concept Designs on the basis of information provided by Sutton Forest Quarries Pty Ltd and publically available sources. This information and sources includes the following:

- Aerial dxf information and image as provided for the previous commission with Sutton Forest Quarries in 2014
- NSW Government Spatial Services SIX Maps (https://maps.six.nsw.gov.au/)

GHD has not independently verified or checked the accuracy of this information.

2.2 Basis of Preliminary Concept Design

The Preliminary Concept Designs have been developed with reference to the following documentation:

- AUSTROADS Publications
- Roads and Maritime Services (RMS) Supplements

The design vehicle utilised for the development of the Preliminary Concept Designs has been a 26 m B-Double.

The design speed for the guarry access road is 60 km/hr.

Traffic lanes are typically 4.0 m wide – refer SK011 (attached) for typical sections utilised on both alternatives.

2.3 Utilities

A Dial Before You Dig search was undertaken at commencement and the following Authorities infrastructure was identified within the project area:

- AAPT / PowerTel, NSW
- APT Management Services (APA Group)
- Endeavour Energy
- Goulburn Mulwaree Council
- Jemena Gas Country
- Optus
- Telstra
- Wingecarribee Shire Council

Memorandum

No direct consultation was undertaken with any above noted infrastructure Authority – however, assumptions where made as to the protection/adjustment treatments likely to be required for the infrastructure impacted by the proposed interchange development based on GHD's experience from other similar projects.

An approach to APA Group (the manager of the gas assets that is crossed adjacent to the Hume Highway and within Lot 4 DP 253435) regarding any requirements for protection, treatment or otherwise to be considered in the estimate process has been made. At the time of this memorandum, no response had been received from this request for information.

3 Preliminary Concept Designs

3.1 Option Development

During the preliminary investigations and the development of the Preliminary Concept Designs, a number of key items were been identified, these include the following:

- Communications infrastructure in the area of the Kingsbury VC Rest Area and on either side of the Highway. This includes a major Sydney-Melbourne high integrity data service and a communications hut (as seen from the highway) to the east of the highway.
- 2. The proximity of the on and off ramps to the existing highway infrastructure to the north, i.e. existing rest bays and Sally's Corner interchange
 - On the southbound side, the off ramp distances to the existing is marginal and it is likely that RMS would require an assessment on the level of service here;
 - On the northbound side, the on ramp would pass through the existing rest bay and also impact on the next private property entrance (No. 2 DP 253435);
 - Both ramps cross to some extent the high pressure gas/water/comms easement.
- 3. Existing properties No. 3 DP 253435 &/or No. 12 DP 241054 lose their ability to turn directly southbound onto the highway and would now need to utilise the Sallys Corner interchange (or attempt to use the median crossing at the access to No. 2 DP 253435) to travel south.
- 4. There is the potential that RMS would determine that some public amenity is required from the interchange (and require something like Hanging Rock Road being extended north and incorporated into the proposed interchange and making it a four way arrangement). This would be a negotiation point between RMS and yourselves.

An initial interchange concept was developed for the area to address the requirements of utilising the existing road reserve between Lot 4 DP 253435 and Lot 12 DP 241054 and having minimum impacts on the adjacent properties - refer email correspondence of 15 June 2017. This initial concept was reviewed and discussed and it was then requested that two alternatives be developed, these two alternatives are discussed further in the Sections 3.1.1 and 3.1.2 following.

3.1.1 Preliminary Concept Design - Alternative 1

Alternative 1 was developed to fit as best as practically possible within the confines of the existing road reserve on the eastern side of the Hume Highway between Lot 4 DP 253435 and Lot 12 DP

Memorandum

241054. This Alternative utilises vertical retaining walls, steeper batters and safety barriers to achieve the minimal impacts as requested – refer Attachment 1: Preliminary Concept Design – Alternate 1 SK005 to SK011.

Some key points of note regarding this Alternative:

- The grade separation, and split in the access road to facilitate this Alternative, has necessitated
 the realignment of the access to Lot 12 DP 241054 to a more direct route that does not tie into the
 existing driveway.
- Based upon the currently available information we have achieved nominally 1 to 1.5 m offset on the southern boundary of the road reserve (and Lot 12 DP 241054). This appears to allow the proposed arrangement to pass through the pinch point in the property boundaries at the confluence of Lot 3 DP 253435, the road reserve and the Hume Highway with minimal impact into Lot 3 DP 253435. It is noted that the design is being pushed to minimal allowances here to make this nominally fit the constraint in regards to road design and that RMS will likely require a larger offset to the property boundary for maintenance inspection and access likely in the order of 2-3 m as a minimum. Additional consideration may also be required on the northern side at the pinch point to allow for safe maintenance works to be undertaken on the wall whilst not blocking the onramp.
- The length of the acceleration lane passes the access to Lot 1 DP 253435 and Lot 2 DP 253435
 from the Hume Highway and is only approximately 340 m from the Sallys Corner off ramp. We
 expect that RMS would require analysis to be undertaken here to assess impacts on Level of
 Service. This is a similar consideration to that required on the southbound side of the Hume
 Highway.
- The on ramp requires the removal of the rest area between the proposed site access interchange and the Sallys Corner off ramp.
- The length of the bridge has exceeded that typically achievable by Super T Girders and accordingly consideration will be required for a launched box girder type construction. A two span structure would likely be required.

3.1.2 Preliminary Concept Design - Alternative 2

Alternative 2 was developed to minimise the requirements for retaining structures and to minimise the length of bridge crossing the Hume Highway. Additionally, allowance was made for the utilisation of an area within Lot 3 DP 253435. Refer Attachment 2: Preliminary Concept Design – Alternate 2 SK015 to SK020.

Some key points of note regarding this Alternative:

- The shift in alignment to the north allows for the existing access to Lot 12 DP 241054 from the Hume Highway to be maintained.
- The length of the acceleration lane interacts with access to Lot 1 DP 253435 and Lot 2 DP 253435
 from the Hume Highway and is only approximately 440 m from the Sallys Corner off ramp. We
 would expect that RMS would require analysis to be undertaken here to assess impacts on Level



Memorandum

of Service. This is a similar consideration to that required on the southbound side of the Hume Highway.

- The on ramp requires the removal of the rest area between the proposed site access interchange and the Sallys Corner off ramp.
- The length of the bridge is within that typically achievable by Super T Girder construction. A two span structure would be required.

3.1.3 Land Affectation

Both Alternatives result in impact on land outside of currently dedicated road corridors. Alternate 1 limits this to the western side of the Hume Highway whereas Alternate 2 impacts both the eastern and western sides of the Hume Highway. Table 1 identifies the areas impacted by each Alternative – note that no allowance has been included in the costs estimates for land acquisition or the like.

Table 1 Affected Land Area for Each Alternative

Item	Description	Land Affectation			
		Western Side of Highway (m ²) ¹ Eastern Side of Highway (m ²)		Total (m ²)	
1	Preliminary Concept Design – Alternative 1	02	8,150	8.150	
2	Preliminary Concept Design – Alternative 2	13,478	8,108	21,586	

Notes:

4 Preliminary Construction Cost Estimates

Following the development of the Preliminary Concept designs for both Alternatives, a cost estimate has been developed for each. A Schedule of Rates for the construction components of each Alternative was developed and these are included in the attachments. Following are the base assumptions for the development of each estimate.

1. The estimates provided reference construction costs only and make no allowance for client costs (including project management services); project development (including concept development, environmental assessments, planning approvals and the like); investigation and design (design fees, geotechnical investigations, traffic studies, etc.); property acquisition; handover and finalisation; and the like.

¹ The area on the western side of the Hume Highway does not include footprint within Lot 4 DP 253435.

² As noted in Section 3.1.1, Alternative 1 has incorporated minimal allowances to achieve its goal of fitting within the existing road reserve and that it is highly likely that RMS will require greater clearances to property boundaries to facilitate maintenance requirements.

Memorandum

- 2. The schedule of rates items have been based upon RMS specifications and pay items. The estimates are developed with reference to RMS Estimating Guidelines.
- 3. No allowance has been included for the relocation of, or the development of new, rest areas in lieu of those being impacted on, northbound and southbound, adjacent to the Hume Highway.
- 4. An allowance has been included for the provision of a new amenity block to the Kingsbury VC Rest Area.
- 5. No allowance has been included for a construction environmental management plan.
- 6. No allowance has been included for acoustic shielding or the like for adjacent residences.
- 7. A nominal scope of works for utilities protection and relocation has been incorporated into the developed cost estimate.

Table 2 provides the construction cost estimates total for the two Alternatives. Please note that at the current level of design development the included contingency of 28-30% for the Alternatives is considered reasonable (contingencies in the range of 25% to 40% are considered appropriate by RMS) and would be considered to have an accuracy no better than \pm 20% (refer attached Estimate Basis Guideline for more information on this item).

Table 2 Preliminary Cost Estimates Summary

Item	Description	Base Estimate (ex GST)	Contingency	Estimate (ex GST)
1	Preliminary Concept Design – Alternative 1	\$20.5 M	29.5%	\$26.4 M
2	Preliminary Concept Design – Alternative 2	\$17.7 M	28.11%	\$22.7 M

GHD has prepared these preliminary cost estimates using the services of MI Engineers Pty Ltd and based on assumptions and judgments made by GHD in the development of the Preliminary Concept Designs and as included elsewhere in this memorandum.

The Preliminary Cost Estimates have been prepared for the purpose of information only and must not be used for any other purpose.

The Preliminary Cost Estimates are preliminary estimates only. Actual prices, costs and other variables may be different to those used to prepare the Preliminary Cost Estimates and may change. Unless as otherwise specified in this memorandum, no detailed quotation has been obtained for actions identified in this memorandum. GHD does not represent, warrant or guarantee that the Preliminary Concept Designs can or will be undertaken at a cost which is the same or less than the Preliminary Cost Estimates.

Where estimates of potential costs are provided with an indicated level of confidence, notwithstanding the conservatism of the level of confidence selected as the planning level, there remains a chance that the cost will be greater than the planning estimate, and any funding would not be adequate. The

Memorandum

confidence level considered to be most appropriate for planning purposes will vary depending on the conservatism of the user and the nature of the project. The user should therefore select appropriate confidence levels to suit their particular risk profile.

We hope that the included (and attached) information provide the input required to inform Sutton Forest Quarries in their consideration of this alternate access arrangement.

If you wish to discuss further or require any additional information please do not hesitate to contact the undersigned.

Regards

Edward Baird

1- Round

Project Manager

Attachments:

- 1. Preliminary Concept Design Alternate 1 SK005 to SK011
- 2. Preliminary Concept Design Alternate 2 SK015 to SK020
- 3. Schedule of Rates Alternate 1
- 4. Schedule of Rates Alternate 2
- 5. Estimating Guidelines



- NOTES:
 1. PROPERTY BOUNDARIES SHOWN ARE INDICATIVE ONLY AND ARE BASED ON SCREEN CAPTURED COORDINATES FROM
- www.maps.six.nsw.gov.au.
 2. BASE SURVEY INFORMATION FROM PHOTOGRAMETRY. ACCURACY UNKNOWN.



PRELIMINARY

	Α	INITIAL ISSUE		
-	rev	description	app'd	date

SUTTON FOREST QUARIES PTY LTD PROP. SUTTON FOREST SAND QUARRY PROP. HUME HWY. ACCESS **ALT. 1 ARRANGEMENT**

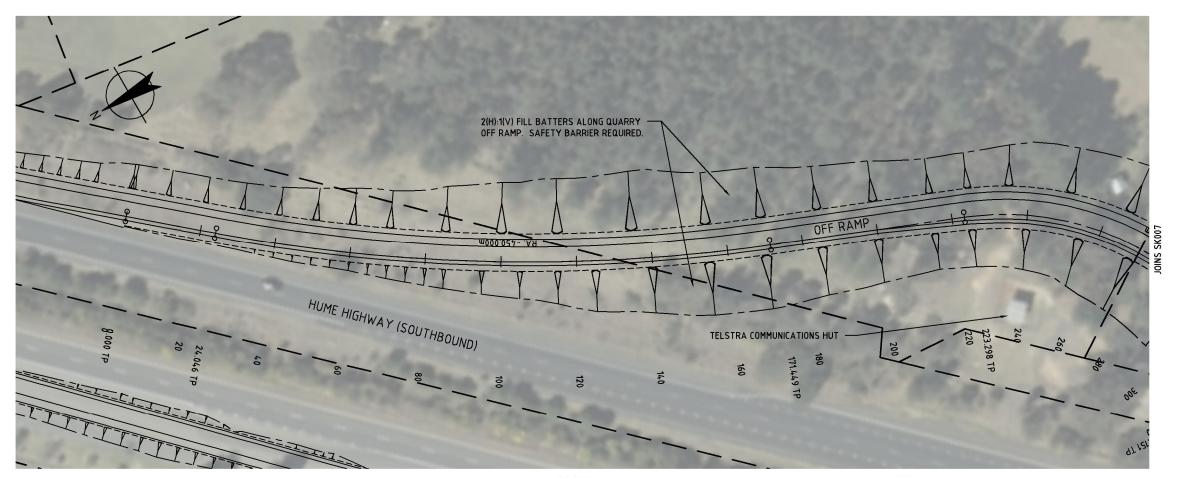


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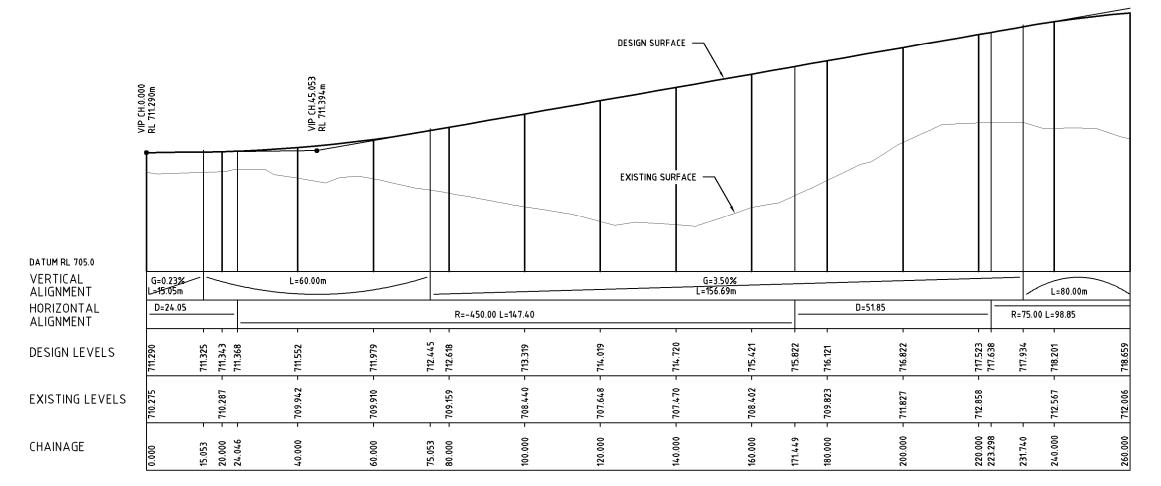
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scale | 1:5000 for A3 job no. | 23-16081 date JUNE 2017 rev no. A

SK005 approved (PD)



<u>PLAN</u> SCALE 1:1000



LONGITUDINAL SECTION - MC10 SCALE 1:1000(H) 1:200(V)

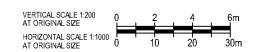
- NOTES:
 1. RAMPS AND MERGE/DIVERGE AS PER AUSTROADS GUIDE AND RMS SUPPLEMENT.
- SAFETY BARRIER (NOT SHOWN) REQUIRED FOR 2(H):1(V) FILL BATTERS AND ON APPROACH TO STRUCTURES.
- LIGHTING TO MEET RMS REQUIREMENTS.
 ON AND OFF RAMPS COMPRISED OF:
- ON AND OFF RAMPS COMPRISED OF:

 LHS SHOULDER 2m WIDE

 LHS SHOULDER 1m WIDE

 CURVE WIDENING HAS BEEN APPLIED WHERE REQUIRED.

 COMBINED RAMP SHOULDER AND LANE WIDTH OF 7m PROVIDES
 FOR VEHICLES TO POTENTIALLY PASS IN THE EVENT OF A BREAKDOWN.



PRELIMINARY

Α	INITIAL ISSUE		
rev	description	app'd	date

SUTTON FOREST QUARIES PTY LTD PROP. SUTTON FOREST SAND QUARRY PROP. HUME HWY. ACCESS **OVERPASS ACCESS - 1/5**

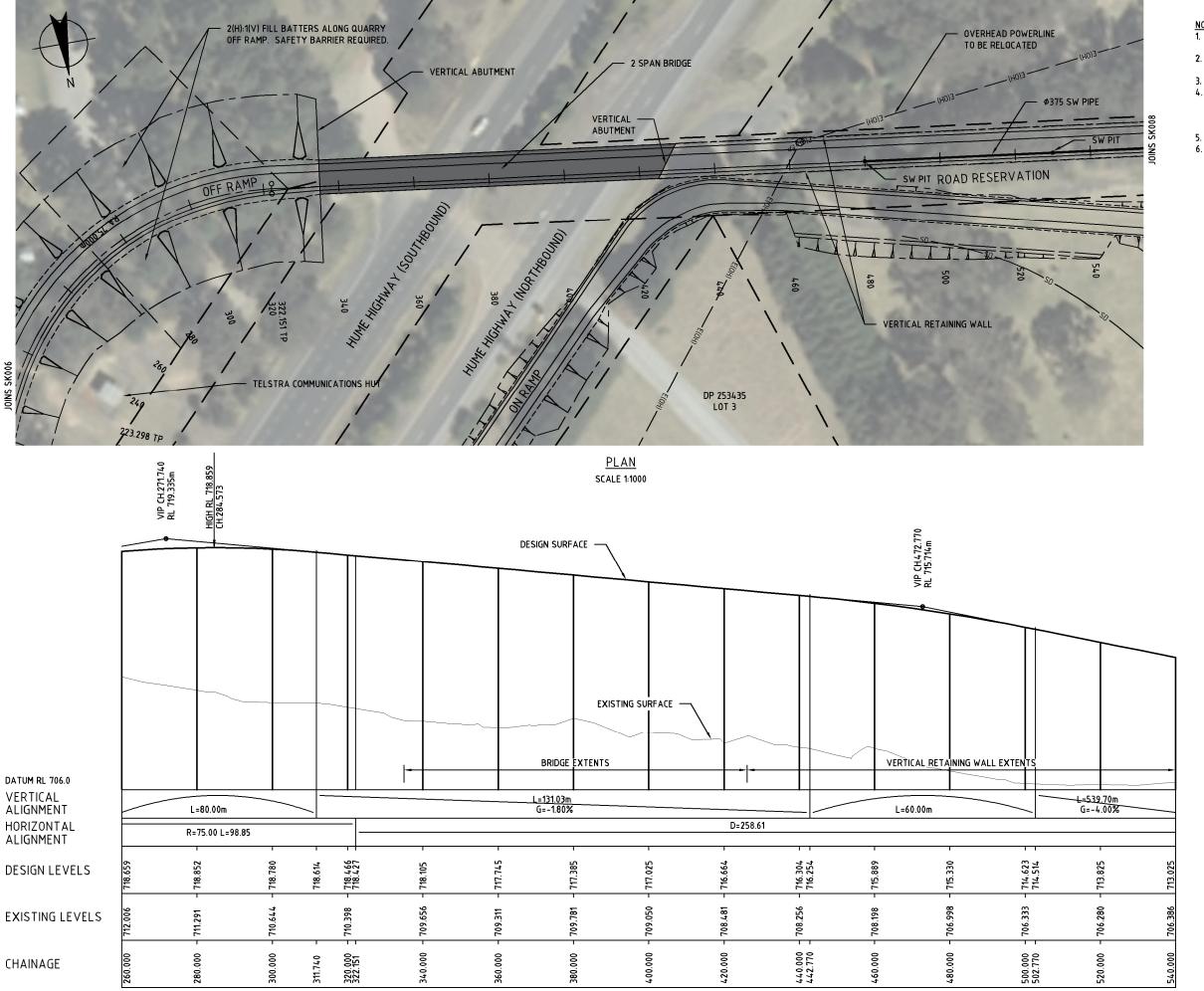


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scale | 1:1000 for A3 job no. | 23-16081 date JULY 2017 rev no. A

SK006 approved (PD)



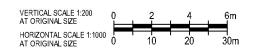
- NOTES:
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 ON AND OFF RAMPS COMPRISED OF:
- UN AND OFF RAMPS COMPRISED OF:

 LHS SHOULDER 2m WIDE

 TRAFFIC LANE 4m WIDE

 LHS SHOULDER 1m WIDE

 CURVE WIDENING HAS BEEN APPLIED WHERE REQUIRED.
- COMBINED RAMP SHOULDER AND LANE WIDTH OF 7m PROVIDES FOR VEHICLES TO POTENTIALLY PASS IN THE EVENT OF A



PRELIMINARY

Α	INITIAL ISSUE		
rev	description	app'd	date

SUTTON FOREST QUARIES PTY LTD PROP. SUTTON FOREST SAND QUARRY PROP. HUME HWY. ACCESS OVERPASS ACCESS - 2/5

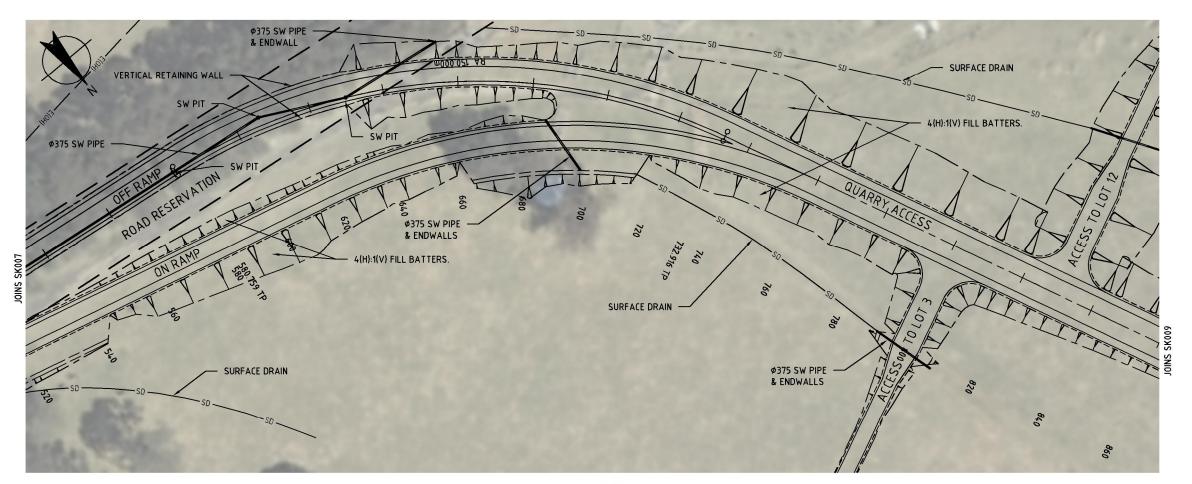


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scale | 1:1000 for A3 job no. | 23-16081 date JULY 2017 rev no. A

SK007 approved (PD)



- NOTES:
 1. RAMPS AND MERGE/DIVERGE AS PER AUSTROADS GUIDE AND RMS SUPPLEMENT.
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- ON AND OFF RAMPS COMPRISED OF:
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 LHS SHOULDER 2m WIDE

 TRAFFIC LANE 4m WIDE

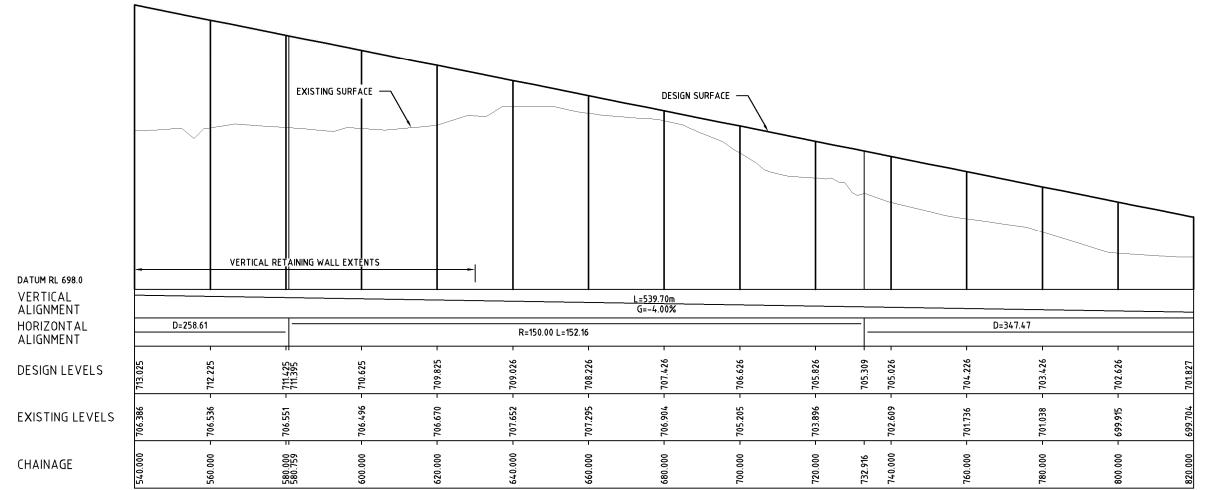
 LHS SHOULDER 1m WIDE

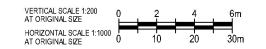
 CURVE WIDENING HAS BEEN APPLIED WHERE REQUIRED.

 COMBINED RAMP SHOULDER AND LANE WIDTH OF 7m PROVIDES

 FOR VEHICLES TO POTENTIALLY PASS IN THE EVENT OF A BREAKDOWN.

PLAN SCALE 1:1000





PRELIMINARY

Α	INITIAL ISSUE		
rev	description	app'd	date

SUTTON FOREST QUARIES PTY LTD PROP. SUTTON FOREST SAND QUARRY PROP. HUME HWY. ACCESS **OVERPASS ACCESS - 3/5**



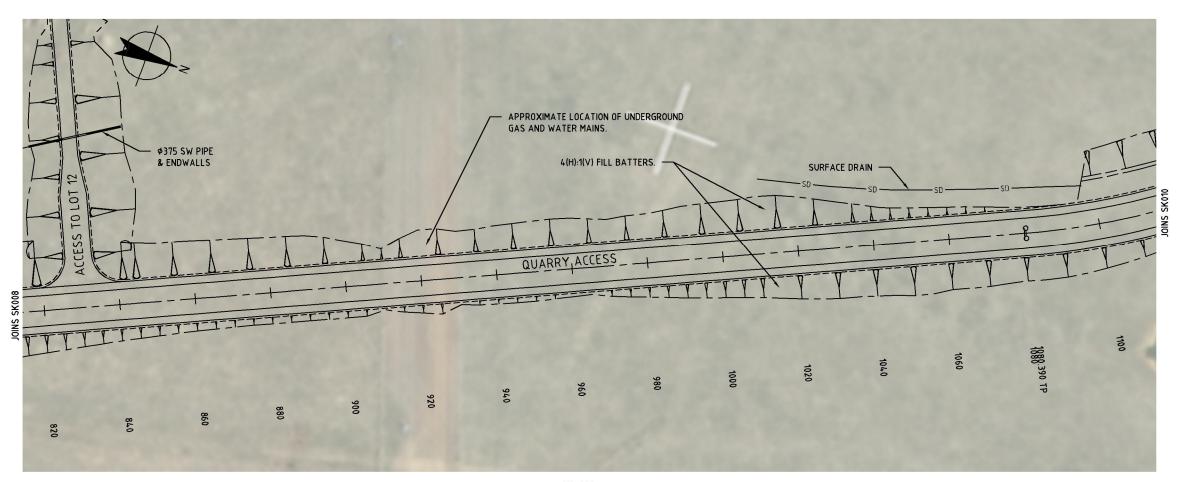
Level 11, Crown Tower 200 Crown Street Wollongong NSW 2500 Australia P.O. Box 5047 Wollongong NSW 2520 T 61 2 4222 2300 F 61 2 4222 2301 E wolmail@ghd.com W www.ghd.com

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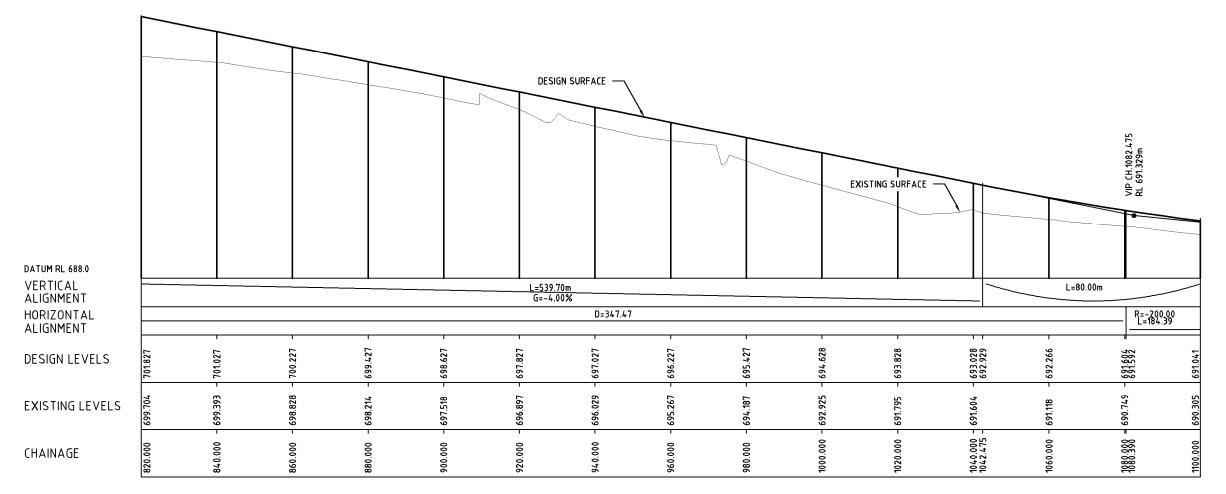
scale | 1:1000 for A3 job no. | 23-16081 date JULY 2017 rev no. A

SK008 approved (PD)

LONGITUDINAL SECTION - MC10 SCALE 1:1000(H) 1:200(V)

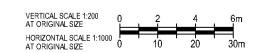


<u>PLAN</u> SCALE 1:1000



- NOTES:

 1. QUARRY ACCESS COMPRISED OF:
 2 x 2m WIDE SHOULDERS
 1 MIDE TRAFFIC LANES
 - 2 x 0.5m WIDE VERGES
- 4m WIDE LANES HAVE BEEN CARRIED ALONG THE QUARRY ACCESS AS CURVES WOULD OTHERWISE REQUIRE WIDENING.



PRELIMINARY

Α	INITIAL ISSUE		
rev	description	app'd	date

SUTTON FOREST QUARIES PTY LTD PROP. SUTTON FOREST SAND QUARRY PROP. HUME HWY. ACCESS **OVERPASS ACCESS - 4/5**



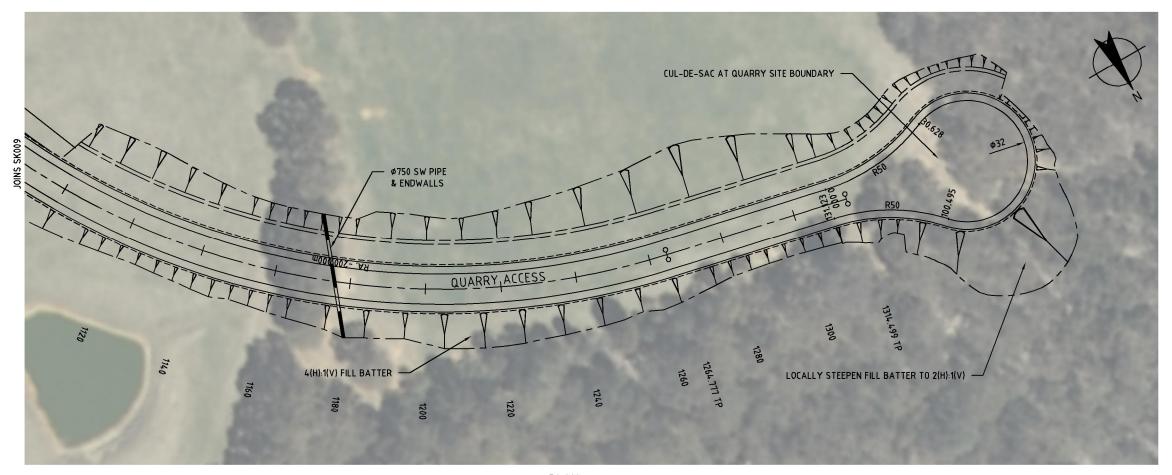
Level 11, Crown Tower 200 Crown Street Wollongong NSW 2500 Australia P.O. Box 5047 Wollongong NSW 2520 T 61 2 4222 2300 F 61 2 4222 2301 E wolmail@ghd.com W www.ghd.com

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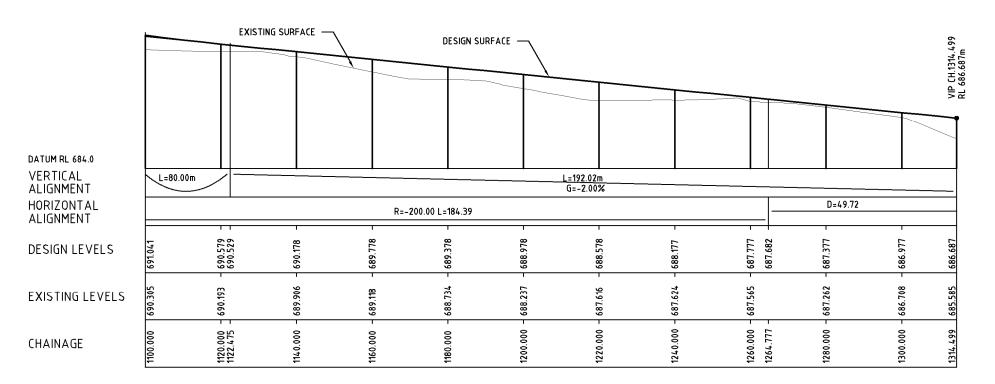
scale | 1:1000 for A3 job no. | 23-16081 date JULY 2017 rev no. A

SK009 approved (PD)

LONGITUDINAL SECTION - MC10 SCALE 1:1000(H) 1:200(V)



PLAN SCALE 1:1000

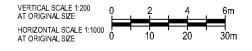


LONGITUDINAL SECTION - MC10 SCALE 1:1000(H) 1:200(V)

- NOTES:

 1. QUARRY ACCESS COMPRISED OF:
 2 x 2m WIDE SHOULDERS
 1 1-1/IDE TRAFFIC LANES

 - 2 x 0.5m WIDE VERGES
- 4m WIDE LANES HAVE BEEN CARRIED ALONG THE QUARRY
 ACCESS AS CURVES WOULD OTHERWISE REQUIRE WIDENING.



PRELIMINARY

Α	INITIAL ISSUE		
rev	description	app'd	date

SUTTON FOREST QUARIES PTY LTD PROP. SUTTON FOREST SAND QUARRY PROP. HUME HWY. ACCESS **OVERPASS ACCESS - 5/5**



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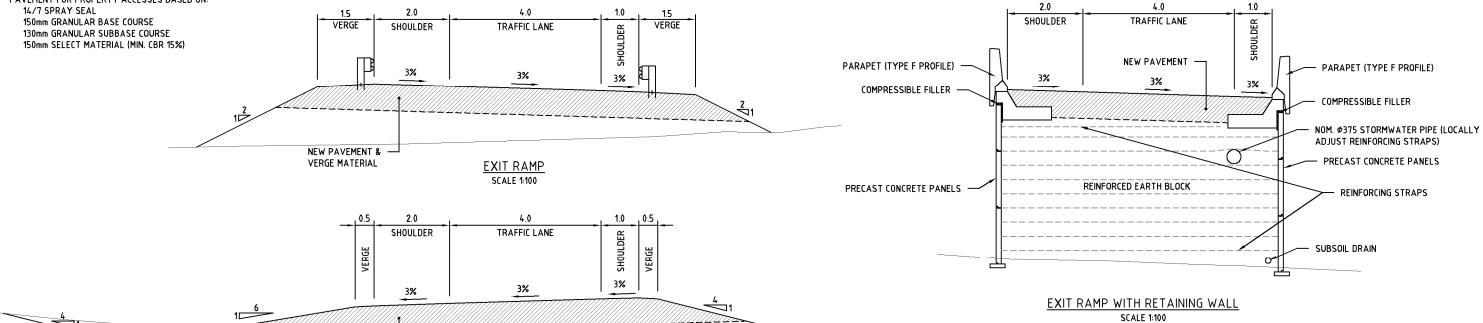
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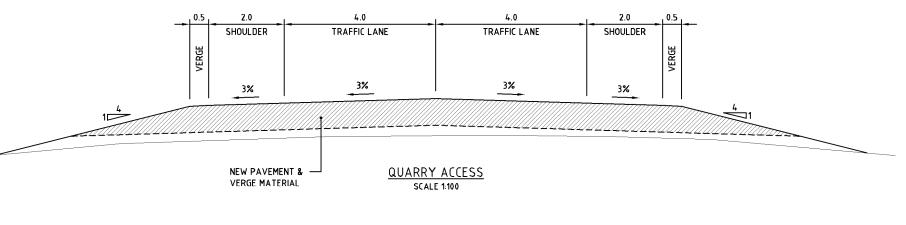
scale | 1:1000 for A3 job no. | 23-16081 date JULY 2017 rev no. A

SK010 approved (PD)

- NOTES:

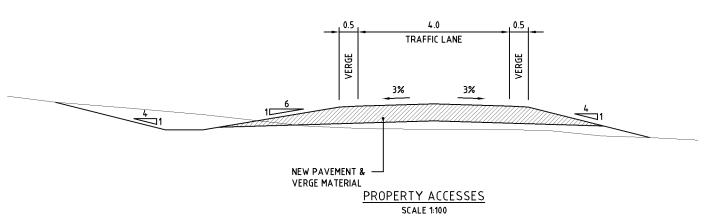
 1. WHERE NOTED ON PLANS FILL BATTERS SHALL BE STEEPENED TO 2(H):1(V), VERGE WIDENED TO 1.5m AND
- 2. PAVEMENT FOR RAMPS AND QUARRY ACCESS BASED ON: 50mm AC14 WEARING COURSE 125mm AC20 BASE COURSE
 BITUMEN EMULSION CURING COMPOUND
- 200mm LEAN MIX CONCRETE SUBBASE 300mm SELECT MATERIAL (MIN. CBR 15%) 3. PAVEMENT FOR PROPERTY ACCESSES BASED ON: 14/7 SPRAY SEAL





ENTRY RAMP

SCALE 1:100



NEW PAVEMENT & -

VERGE MATERIAL



PRELIMINARY

Α	INITIAL ISSUE		
rev	description	app'd	date

SUTTON FOREST QUARIES PTY LTD PROP. SUTTON FOREST SAND QUARRY PROP. HUME HWY. ACCESS TYPICAL SECTIONS



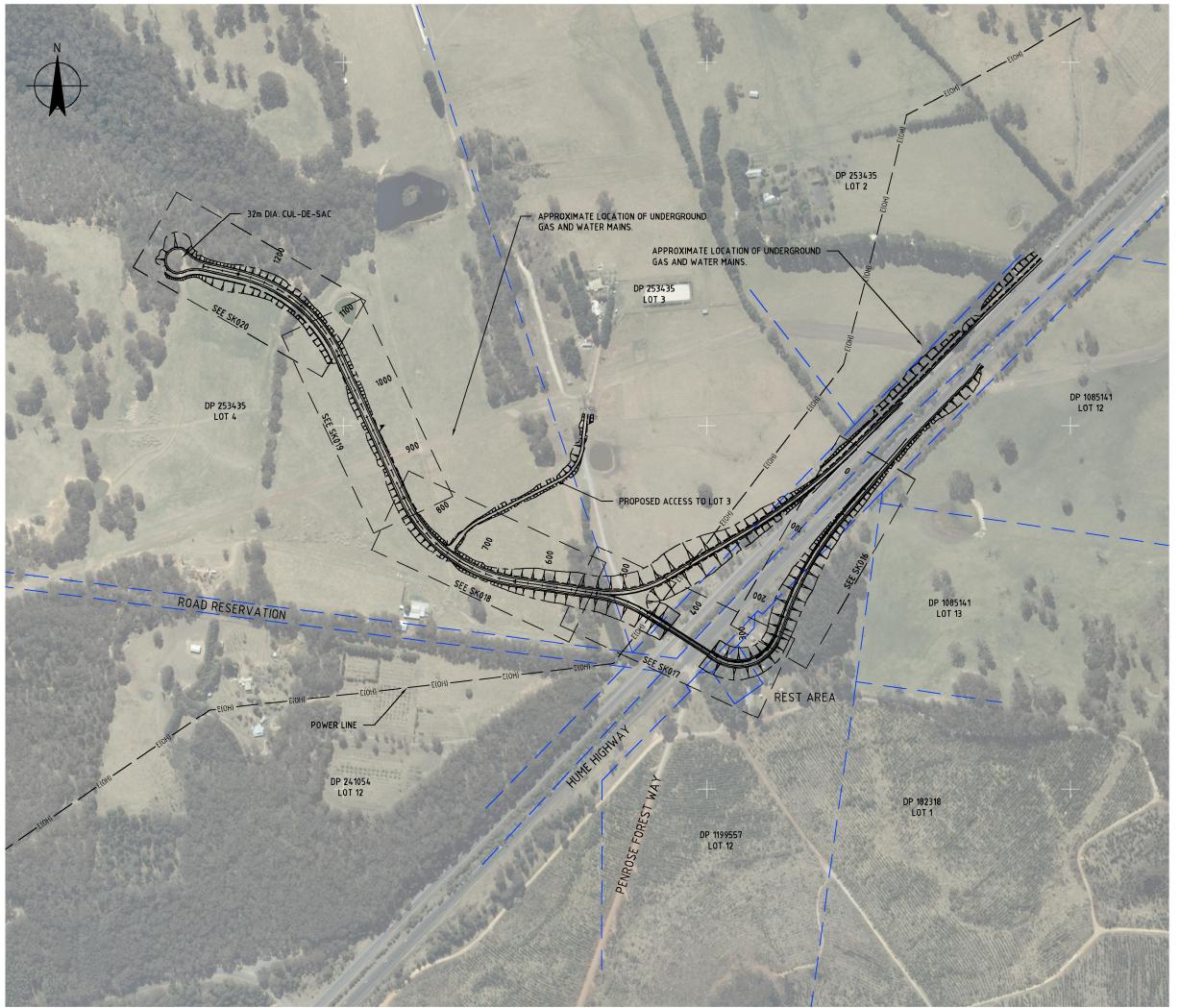
Level 11, Crown Tower 200 Crown Street Wollongong NSW 2500 Australia P.O. Box 5047 Wollongong NSW 2520 T 61 2 4222 2300 F 61 2 4222 2301 E wolmail@ghd.com W www.ghd.com

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scale | 1:100 for A3 job no. | 23-16081 date JULY 2017 rev no. A

SK011 approved (PD)

Cad File No: G:\23\16081\CADD\Drawlings\23-16081-SK011.dwg



- NOTES:

 1. PROPERTY BOUNDARIES SHOWN IN DASHED BLUE ARE INDICATIVE ONLY AND ARE BASED ON SCREEN CAPTURED
- COORDINATES FROM www.maps.six.nsw.gov.au.

 BASE SURVEY INFORMATION FROM PHOTOGRAMETRY. ACCURACY UNKNOWN.



PRELIMINARY

-			
А	INITIAL ISSUE		
rev	description	app'd	date

SUTTON FOREST QUARIES PTY LTD PROP. SUTTON FOREST SAND QUARRY PROP. HUME HWY. ACCESS **ALT. 2 ARRANGEMENT**

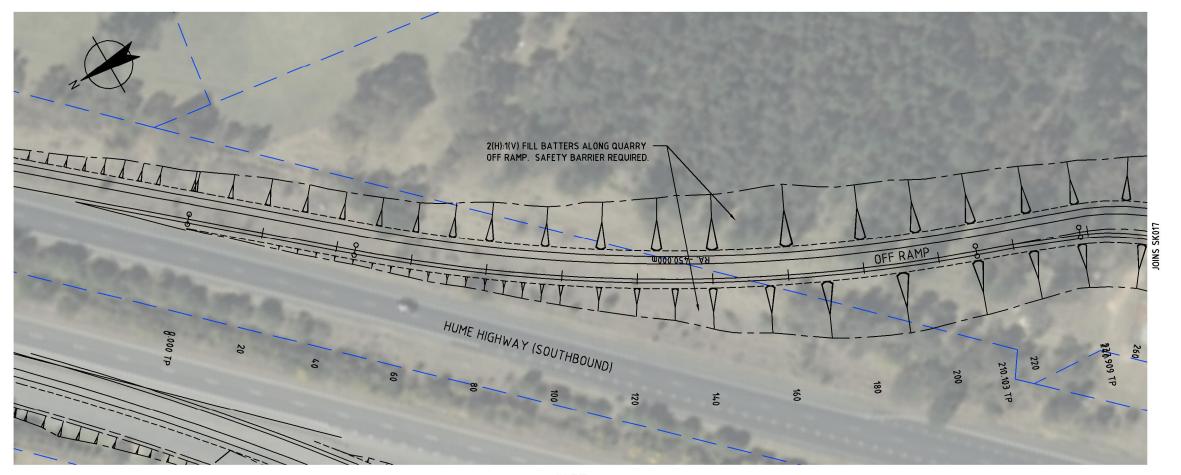


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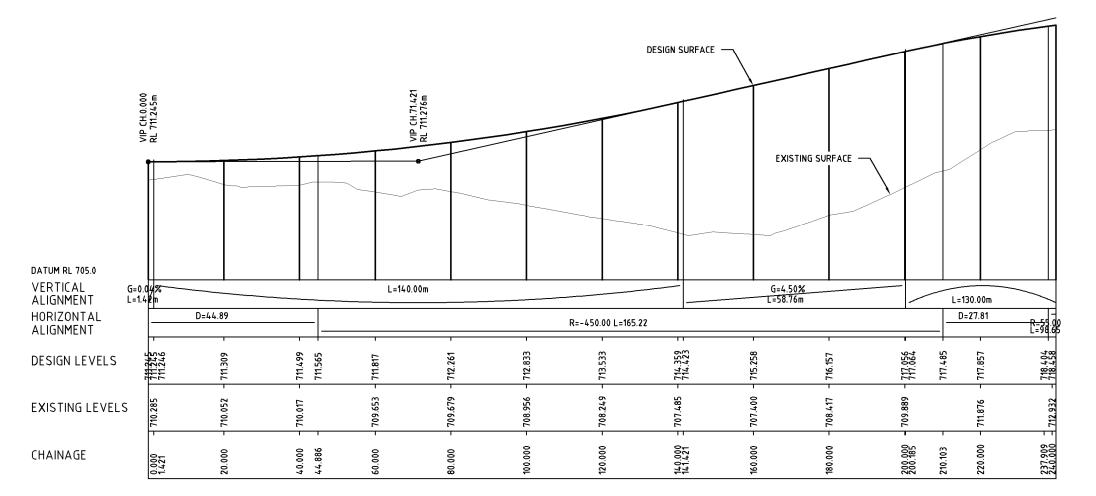
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scale | 1:5000 for A3 job no. | 23-16081 date JUNE 2017 rev no. A

SK015 approved (PD)



PLAN SCALE 1:1000



LONGITUDINAL SECTION - MC10 SCALE 1:1000(H) 1:200(V)

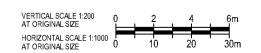
- NOTES:
 1. RAMPS AND MERGE/DIVERGE AS PER AUSTROADS GUIDE AND RMS SUPPLEMENT.
- SAFETY BARRIER (NOT SHOWN) REQUIRED FOR 2(H):1(V) FILL BATTERS AND ON APPROACH TO STRUCTURES.
- LIGHTING TO MEET RMS REQUIREMENTS.
 ON AND OFF RAMPS COMPRISED OF:
- ON AND OFF RAMPS COMPRISED OF:

 LHS SHOULDER 2m WIDE

 LHS SHOULDER 1m WIDE

 CURVE WIDENING HAS BEEN APPLIED WHERE REQUIRED.

 COMBINED RAMP SHOULDER AND LANE WIDTH OF 7m PROVIDES
 FOR VEHICLES TO POTENTIALLY PASS IN THE EVENT OF A BREAKDOWN.



PRELIMINARY

Α	INITIAL ISSUE		
rev	description	app'd	date

SUTTON FOREST QUARIES PTY LTD PROP. SUTTON FOREST SAND QUARRY PROP. HUME HWY. ACCESS ALT. 2 OVERPASS ACCESS - 1/5

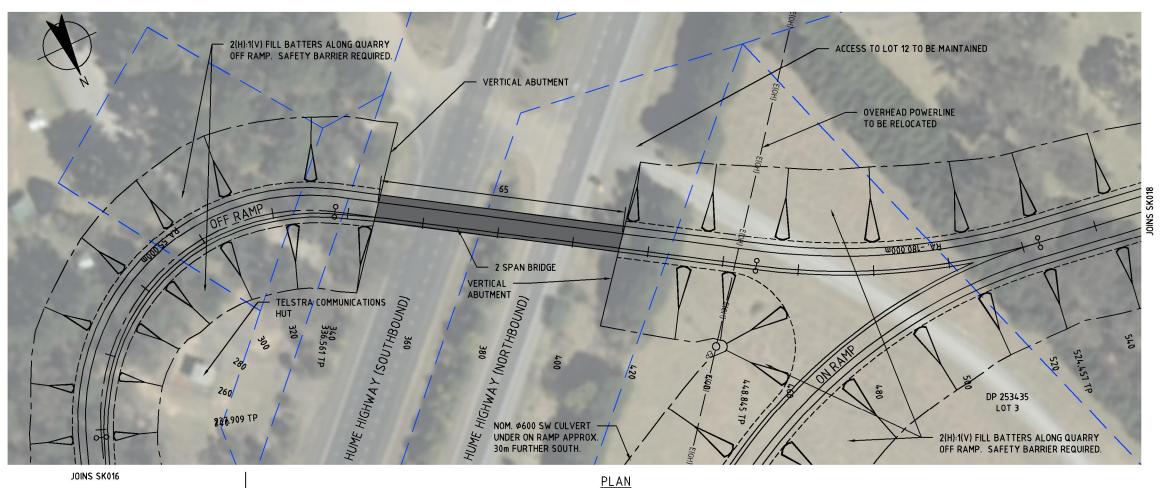


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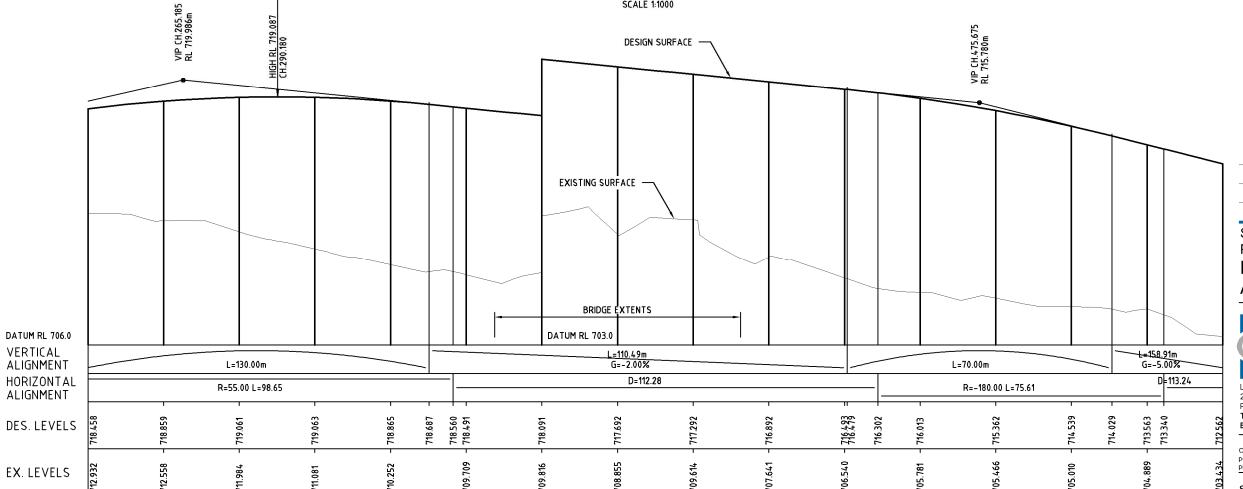
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scale | 1:1000 for A3 job no. | 23-16081 date JULY 2017 rev no. A

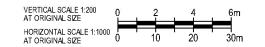
SK016 approved (PD)



- NOTES:
 1. RAMPS AND MERGE/DIVERGE AS PER AUSTROADS GUIDE AND RMS SUPPLEMENT.
- SAFETY BARRIER (NOT SHOWN) REQUIRED FOR 2(H):1(V) FILL BATTERS AND ON APPROACH TO STRUCTURES.
- LIGHTING TO MEET RMS REQUIREMENTS.
- ON AND OFF RAMPS COMPRISED OF:
 - LHS SHOULDER 2m WIDE TRAFFIC LANE 4m WIDE LHS SHOULDER 1m WIDE
- CURVE WIDENING HAS BEEN APPLIED WHERE REQUIRED.
 COMBINED RAMP SHOULDER AND LANE WIDTH OF 7m PROVIDES
 FOR VEHICLES TO POTENTIALLY PASS IN THE EVENT OF A BREAKDOWN.



SCALE 1:1000



PRELIMINARY

Α	INITIAL ISSUE		
rev	description	app'd	date

SUTTON FOREST QUARIES PTY LTD PROP. SUTTON FOREST SAND QUARRY PROP. HUME HWY. ACCESS ALT. 2 OVERPASS ACCESS - 2/5



520.000 524.457

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scale | 1:1000 for A3 job no. | 23-16081 date JULY 2017 rev no. A

SK017 approved (PD)

DATUM RL 706.0

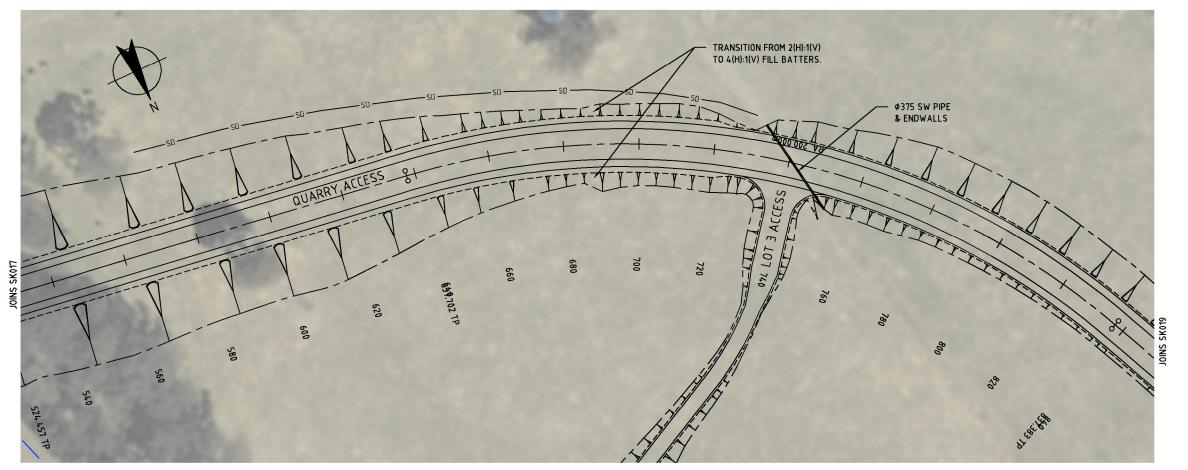
ALIGNMENT

ALIGNMENT

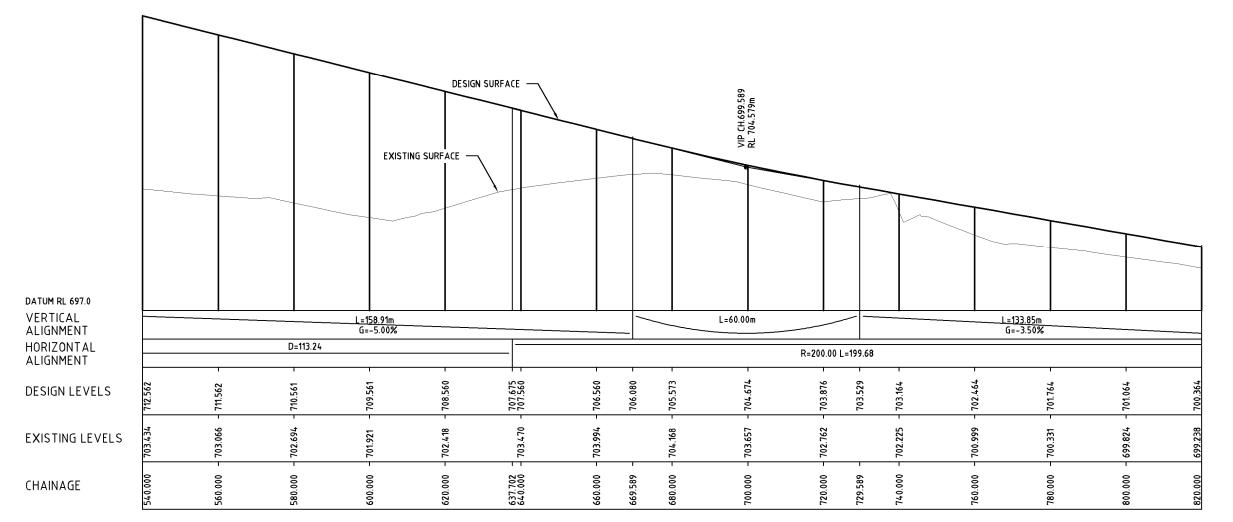
EX. LEVELS

CHAINAGE

VERTICAL



PLAN SCALE 1:1000



- NOTES:

 1. QUARRY ACCESS COMPRISED OF:
 2 x 2m WIDE SHOULDERS
 1 1-1/IDE TRAFFIC LANES
 - 2 x 0.5m WIDE VERGES
- 4m WIDE LANES HAVE BEEN CARRIED ALONG THE QUARRY ACCESS AS CURVES WOULD OTHERWISE REQUIRE WIDENING.

VERTICAL SCALE 1:200 AT ORIGINAL SIZE HORIZONTAL SCALE 1:1000 AT ORIGINAL SIZE

PRELIMINARY

Α	INITIAL ISSUE		
rev	description	app'd	date

SUTTON FOREST QUARIES PTY LTD PROP. SUTTON FOREST SAND QUARRY PROP. HUME HWY. ACCESS ALT. 2 OVERPASS ACCESS - 3/5

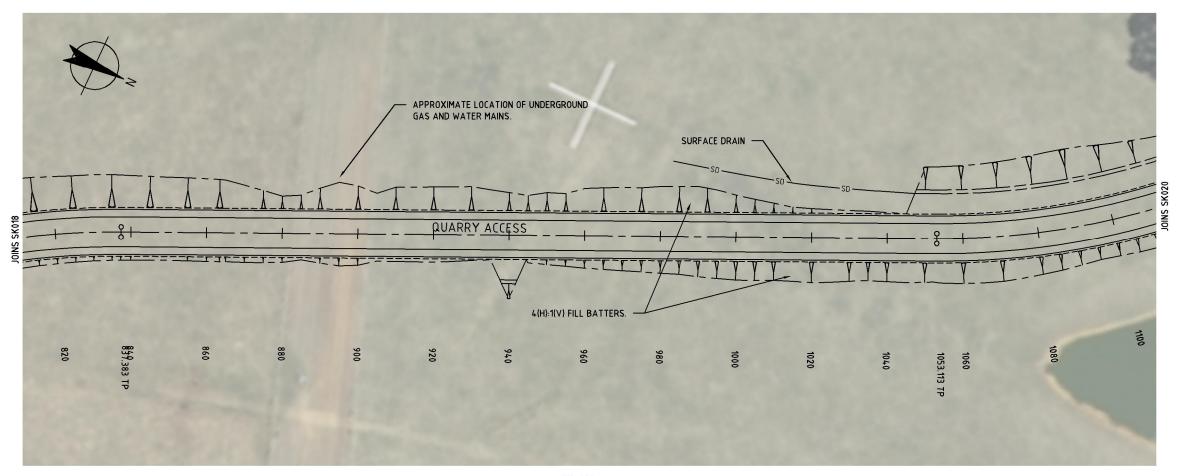


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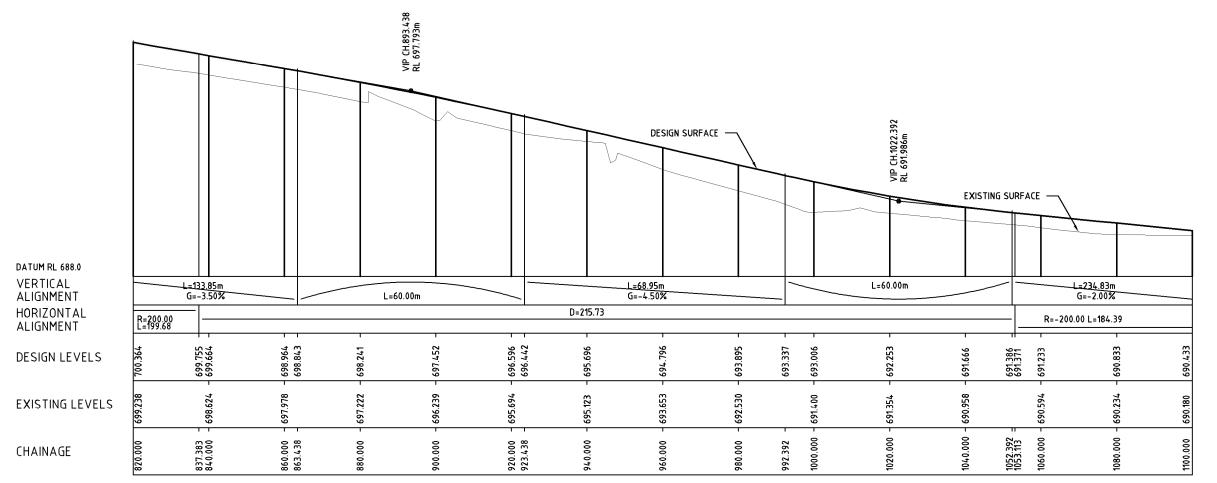
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scale | 1:1000 for A3 job no. | 23-16081 date JULY 2017 rev no. A

SK018 approved (PD)



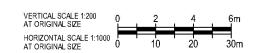
<u>PLAN</u> SCALE 1:1000



LONGITUDINAL SECTION - MC10 SCALE 1:1000(H) 1:200(V)

- NOTES:

 1. QUARRY ACCESS COMPRISED OF:
 2 x 2m WIDE SHOULDERS
 1 MIDE TRAFFIC LANES
 - 2 x 0.5m WIDE VERGES
- 4m WIDE LANES HAVE BEEN CARRIED ALONG THE QUARRY ACCESS AS CURVES WOULD OTHERWISE REQUIRE WIDENING.



PRELIMINARY

Α	INITIAL ISSUE		
rev	description	app'd	date

SUTTON FOREST QUARIES PTY LTD PROP. SUTTON FOREST SAND QUARRY PROP. HUME HWY. ACCESS ALT. 2 OVERPASS ACCESS - 4/5

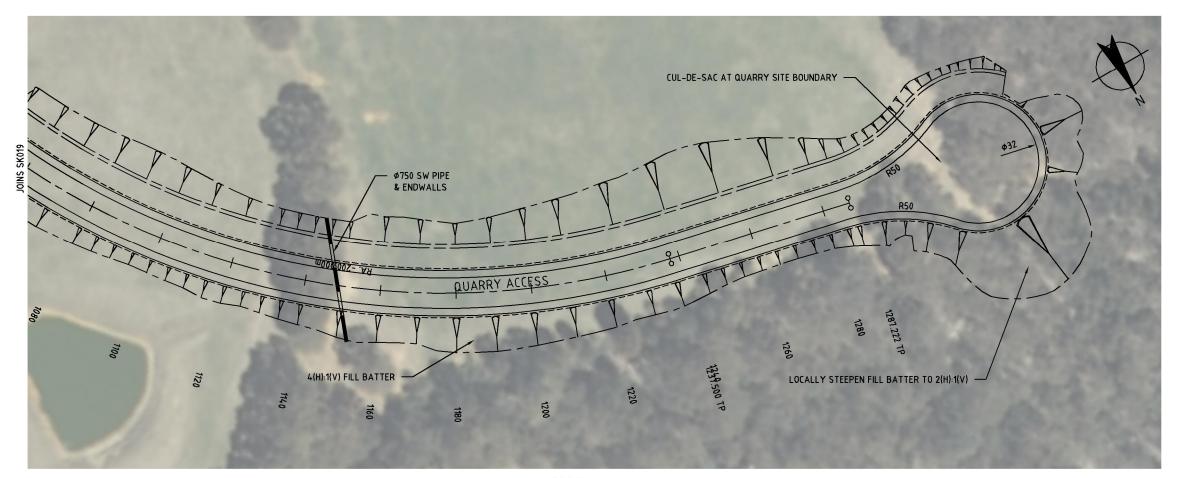


Level 11, Crown Tower 200 Crown Street Wollongong NSW 2500 Australia P.O. Box 5047 Wollongong NSW 2520 T 61 2 4222 2300 F 61 2 4222 2301 E wolmail@ghd.com W www.ghd.com

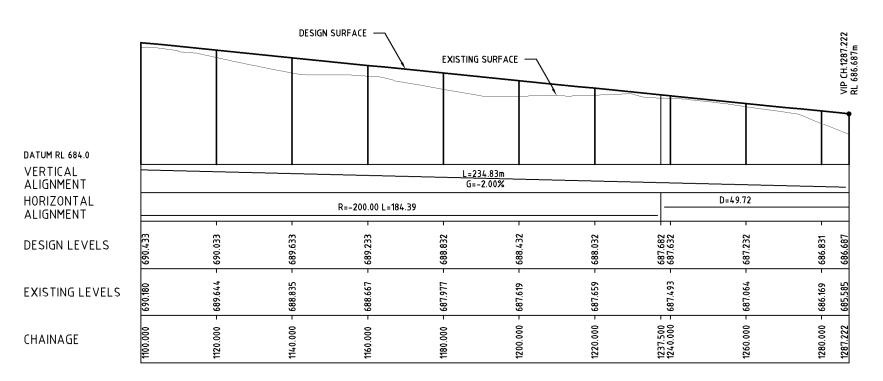
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scale | 1:1000 for A3 job no. | 23-16081 date JULY 2017 rev no. A

SK019 approved (PD)



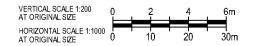
PLAN SCALE 1:1000



LONGITUDINAL SECTION - MC10 SCALE 1:1000(H) 1:200(V)

- NOTES:

 1. QUARRY ACCESS COMPRISED OF:
 2 x 2m WIDE SHOULDERS
 1 1-1/IDE TRAFFIC LANES
 - 2 x 0.5m WIDE VERGES
- 4m WIDE LANES HAVE BEEN CARRIED ALONG THE QUARRY
 ACCESS AS CURVES WOULD OTHERWISE REQUIRE WIDENING.



PRELIMINARY

Α	INITIAL ISSUE		
rev	description	app'd	date

SUTTON FOREST QUARIES PTY LTD PROP. SUTTON FOREST SAND QUARRY PROP. HUME HWY. ACCESS ALT. 2 OVERPASS ACCESS - 5/5



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scale | 1:1000 for A3 job no. | 23-16081 date JULY 2017 rev no. A

SK020 approved (PD)

Schedule of Rates

Work: Sutton Forest Interchange - Alternative 1 - Concept Design - Draft 2

Contract no

The quantities shown in this Schedule of Rates are estimated quantities only and are not to be taken as actual or correct quantities of work to be carried out or paid for under the various items of work. All items must be extended to show total amounts. Rates for individual pay items must exclude GST. GST must be added after extended pay items are totalled.

total amounts.	Rates for individual pay items must exclude GST. GST must be added after extended pay items are totalled.							
Pay Item	Description of work	Quantity	Unit	Rate	Amount	Contingency		· · · · · · · · · · · · · · · · · · ·
C1 TOD CDI	ECIFIC REQUIREMENTS			E12E 0	%	Value	Amount	MIE Comments
GI - JOB SPI	ECIFIC REQUIREMENTS			Ed 2/Rev 0				
G1P1	Overpass Bridge	-	lump sum	\$5,050,000.00	\$5,050,000.00 30%	\$1,515,000.00	\$6,565,000.00	Overpass Bridge - Bridge structure to be box girder type construction. Single pier central to Hume Highway with throw screens. 92m span, 647m2 Deck Area, 185m Parapet
G1P2	RE Wall	-	lump sum	\$2,850,000.00	\$2,850,000.00 30%	\$855,000.00	\$3,705,000.00	(Type F), and 307m2 of Abutment area (Face). 2,630m2 @ \$1150/m2
G1P3	New Toilet Block/Amenity	-	lump sum	\$123,500.00	\$123,500.00 30%	\$37,050.00	\$160,550.00	Based on 40 m2 @ \$2,370.00 rate/m2, provisional allowance with no details on the type of building structure.
G1P4	Parapet (Type F) including footing	-	lump sum	\$451,000.00	\$451,000.00 30%	\$135,300.00 \$2,542,350.00	\$586,300.00	415m Parapat (Type F, non-slip form) with reinforced concrete footing, to top of RE Wall.
G1 C2 CEN	JOB SPECIFIC REQUIREMENTS			Sub-Total:	\$8,474,500.00 30.00%	\$2,342,330.00	\$11,016,850.00	
	IERAL REQUIREMENTS (MAJOR CONTRACTS)			Ed 5/Rev 12				
G2-C2P1 G2-C2P2	Primary Testing Subcontract (Provisional Sum) WAE Drawings	-	provisional sum lump sum	\$375,500.00 \$188,000.00	\$375,500.00 30% \$188,000.00 30%	\$112,650.00 \$56,400.00	\$488,150.00 \$244,400.00	2.0% 1.0%
G2-C2	GENERAL REQUIREMENTS (MAJOR CONTRACTS) PAL'S PROJECT ACCOMMODATION			Sub-Total:	\$563,500.00 30.00%	\$169,050.00	\$732,550.00	
				Ed 1/Rev 7	#20.000.00 200v	#11 040 00	651.740.00	52 weeks nominated by GHD
G4P1 G4P2	Establishment of Principal's Project Accommodation Maintenance of Principal's Project Accommodation until Completion	52	lump sum week	\$39,800.00 \$1,180.00	\$39,800.00 30% \$61,360.00 30%	\$11,940.00 \$18,408.00	\$51,740.00 \$79,768.00	
G4P3 G4P4	Maintenance of Principal's Project Accommodation after Completion (Item with provisional quantity) Removal of Principal's Project Accommodation	4	week lump sum	\$920.00 \$4,290.00	\$3,680.00 30% \$4,290.00 30%	\$1,104.00 \$1,287.00	\$4,784.00 \$5,577.00	
G4	PRINCIPALS PROJECT ACCOMMODATION Y ADJUSTMENT			Sub-Total:	\$109,130.00 30.00%	\$32,739.00	\$141,869.00	
G7P1				Ed 1/Rev 2	\$45 150 00 400V	\$18,000,00	ec2 210 00	Based on 5% of Total Value of G7
G7P5	Coordination and Management of Utility Adjustment Work Electricity Mains	-	lump sum	\$45,150.00	\$45,150.00 40%	\$18,060.00	\$63,210.00	Based on 5% of 10tal value of G/
G7P5.1	Adjustment to Electricity Mains	-	lump sum	\$52,050.00	\$52,050.00 40%	\$20,820.00	\$72,870.00	Fees of \$20k, plus costs to supply and install 50m x underground supply (4x150 conduits), 2 x New Poles woth OH/UG connections, and 1 x exiting pole to be removed.
G7P6	Street Lighting (non-RMS)							Supply and lay 900m x 100mm conduit, 34 x cables pits, 1 x Control Cabinet, 24 x light
G7P6.1 G7P7	On/Off ramps and Rest area to be lighted. Engagement of Water Servicing Coordinator	-	lump sum	\$337,500.00 \$3,950.00	\$337,500.00 40% \$3,950.00 40%	\$135,000.00 \$1,580.00	\$472,500.00 \$5,530.00	12.0m high poles including footings and light fittings, and 1300m of cabling.
G7P8	Water Mains	-	lump sum					Replace 300 GRP with DN300 DICL, with Thrust Block and Stop Valve (and Pit),
G7P8.1 G7P10	Adjustments to Water Main Telecommunications	-	lump sum	\$78,900.00	\$78,900.00 40%	\$31,560.00	\$110,460.00	including Pressure Test.
G7P10.1	Adjustments to Telecommunications	-	provisional sum	\$283,500.00	\$283,500.00 40%	\$113,400.00	\$396,900.00	Protect exising services and lay as nominated by GHD, Eastern side 300m x 5 x 150dia Conduits and Western Side, 900m x 2 x 150mm dia Conduits.
G7P11	Gas Mains							Gas Main Protection, approx 228m piers with a concrete slab as detailed for each pipe
G7P11.1 G7P14	Gas Mains - Protection Easement Crossing	-	lump sum	\$147,500.00	\$147,500.00 40%	\$59,000.00	\$206,500.00	diameter.
G7P14.1 G7	Easement Crossing - Concrete slab on grade incl ground preparation UTILITY ADJUSTMENT	-	lump sum	\$168,000.00 Sub-Total:	\$168,000.00 40% \$1,116,550.00 40.00%	\$67,200.00 \$446,620.00	\$235,200.00 \$1,563,170.00	
	FIC MANAGEMENT			Ed 6/Rev 0	\$1,110,00000 -10.0070	\$440,020.00	ψ1,000,170.00	
G10P1	Traffic Management		lump sum	\$576,000.00	\$576,000.00 30%	\$172,800.00	\$748,800.00	
G10P2 G10P3	Maintenance of Traffic Control Measures Routine maintenance of Existing Roadways	-	lump sum	\$118,000.00 \$128,850.00	\$118,000.00 30% \$128,850.00 30%	\$35,400.00 \$8,655.00	\$153,400.00 \$37,505.00	
G10F3	TRAFFIC MANAGEMENT		lump sum	Sub-Total:	\$722,850.00 30.00%	\$216,855.00	\$939,705.00	
G36 - ENVIR	ONMENTAL PROTECTION			Ed 4/Rev 3				
G36P1 G36P1.1	Building Condition Inspections Residential (Item with provisional quantity)	4	each	\$975.00	\$3,900.00 30%	\$1,170.00	\$5,070.00	
G36P4 G36P4.1	Residential (term with provisional quantity) Site Monitoring Air Quality	-	lump sum	\$35,050.00	\$35,050.00 30%	\$10,515.00	\$45,565.00	
G36P4.2 G36P4.3	Noise Ground Vibration		lump sum lump sum	\$5,760.00 \$6,930.00	\$5,760.00 30% \$6,930.00 30%	\$1,728.00 \$2,079.00	\$7,488.00 \$9,009.00	
G36	ENVIRONMENTAL PROTECTION		iump sum	Sub-Total:	\$51,640.00 30.00%	\$15,492.00	\$67,132.00	
G38 - SOIL A	AND WATER MANAGEMENT			Ed 2/Rev 2				
G38P1 G38P1.1	Soil and Water Management Control Measures Establishment of Soil and Water Management Control Measures		lump sum	\$78,150.00	\$78,150.00 30%	\$23,445.00	\$101,595.00	
G38P1.2 G38P2	Maintenance of Soil and Water Management Control Measures Site Water Quality Monitoring	52	week lump sum	\$610.00 \$38,300.00	\$31,720.00 30% \$38,300.00 30%	\$9,516.00 \$11,490.00	\$41,236.00 \$49,790.00	
G38	SOIL AND WATER MANAGEMENT		Tump sum	Sub-Total:	\$148,170.00 30.00%	\$44,451.00	\$192,621.00	
G40 - CLEAF	RING AND GRUBBING			Ed 1/Rev 1				
G40P1	Clearing and Grubbing		lump sum	\$14,550.00	\$14,550.00 30%	\$4,365.00	\$18,915.00	Based on overall footprint of pavement and batters, including allowances for future construction boundary.
G40P2	Stockpiling of Mulch (Item with provisional quantity)	700	m3	\$9.90	\$6,930.00 30%	\$2,079.00	\$9,009.00	An allownce of 10% of Heavy Clearing to the whole Clearing and Grubbing footprint, with an allowance of 455 m3/ha to work out the Qty.
G40P4 G40P4.1	Removal of Built Structures Removal of Redundant Kerbs and Gutters	182	m	\$33.50	\$6,097.00 30%	\$1,829.00	\$7,926.00	
G40P4.2 G40	Removal of Redundant Pavement CLEARING AND GRUBBING	630	m3	\$54.50 Sub-Total:	\$34,335.00 30% \$61,912.00 30.00%	\$10,301.00 \$18,574.00	\$44,636.00 \$80,486.00	
	MWATER DRAINAGE & RIP RAP			Ed 5/Rev 0		,	***************************************	
RIIPI	Open Drains			24 5 10 7 5				
R11P1.1 R11P2	Excavation for Open Drains Excavation for Stormwater Drainage Structures	470	m3	\$27.50	\$12,925.00 25%	\$3,231.00	\$16,156.00	Excludes Rock Excavation.
R11P2(a) R11P2(c)	Excavation for Pipe Culverts Excavation for Other Drainage Structures	390 10	m3 m3	\$30.00 \$30.00	\$11,700.00 25% \$300.00 25%	\$2,925.00 \$75.00	\$14,625.00 \$375.00	Excludes Rock Excavation. Excludes Rock Excavation.
R11P3 R11P5	Inadequate Foundation Material under Drainage Structures and Open Drains (Item with provisional quantity) Precast Concrete and Fibre-reinforced Concrete Pipes	80	m3	\$69.50	\$5,560.00 25%	\$1,390.00	\$6,950.00	
R11P5.1 R11P5.2	375 Diameter - Class 4 - Rubber Ring Joint 750 Diameter - Class 4 - Rubber Ring Joint	286 33	m m	\$210.00 \$465.00	\$60,060.00 25% \$15,345.00 25%	\$15,015.00 \$3,836.00	\$75,075.00 \$19,181.00	Qtt provided by GHD Qty provided by GHD
R11P7 R11P7.1	Drainage Structures Other Than Pipes and Box Culverts SO1	5	each	\$2,780.00	\$13,900.00 25%	\$3,475.00	\$17,375.00	Qty provided by GHD, Type of Pit to be confirmed by GHD.
R11P7.2 R11P7.3	375mm Headwall 750mm Headwall	13 2	each each	\$1,300.00 \$1,940.00	\$16,900.00 25% \$3,880.00 25%	\$4,225.00 \$970.00	\$21,125.00 \$4,850.00	Qty provided by GHD Qty provided by GHD
R11P9 R11P10	Scour Protection Adjustment to existing pit	11 1	m3 each	\$320.00 \$2,060.00	\$3,520.00 25% \$2,060.00 25%	\$880.00 \$515.00	\$4,400.00 \$2,575.00	Allowance to each of the Headwalls
R11	STORMWATER DRAINAGE			Sub-Total:	\$146,150.00 25.00%	\$36,537.00	\$182,687.00	
	S AND GUTTERS			Ed 4/Rev 2				
R15P1	Kerbs and Gutters							A qty of 182m to replace SO Kerb that is demolished as part of the widening, plus an
R15P1.1	Type SO	262	m	\$96.00	\$25,152.00 25%	\$6,288.00	\$31,440.00	allowance of 4 x 20m sections to run water away from the propose Bridge Parapets.
R15P2 R15	No Fines Concrete Under Kerbs KERBS AND GUTTERS	60	m3	\$330.00 Sub-Total:	\$19,800.00 25% \$44,952.00 25.00%	\$4,950.00 \$11,238.00	\$24,750.00 \$56,190.00	
R33 - TRENC	CH DRAINS			Ed 4/Rev 2				
R33P1	Excavation	360	m3	\$51.50	\$18,540.00 25%	\$4,635.00	\$23,175.00	
R33P2 R33P2.1	Drainage Pipe 100 mm dia Corrugated Perforated Plastic Drainage Pipe	2,000	m	\$11.50	\$23,000.00 25%	\$5,750.00	\$28,750.00	Qty provided by GHD
R33P3 R33P3.1	Filter Material Aggregate Filter Material	360	m3	\$130.00	\$46,800.00 25%	\$11,700.00	\$58,500.00	
R33P4 R33	Supply and Installation of Geotextile TRENCH DRAINS	4,200	m2	\$3.70 Sub-Total:	\$15,540.00 25% \$103,880.00 25.00%	\$3,885.00 \$25,970.00	\$19,425.00 \$129,850.00	
R44 - EARTH	HWORKS			Ed 5/Rev 0				
R44P1	Topsoil			****				
R44P1.1 R44P1.2	Removal, Stockpiling and/ or On Site Disposal of Non-contaminated Topsoil Removal and Disposal Off Site of Topsoil (Bank Volumes) (Item with Provisional Quantity)	10,900 4,273	m3 m3	\$15.50 \$17.50	\$168,950.00 25% \$74,777.50 25%	\$42,238.00 \$18,694.00	\$211,188.00 \$93,471.50	
R44P2 R44P3	General Earthworks (Cut/Fill) Imported or Borrowed Material (other than Selected Material, Verge Material and Foundation Treatment Material)	16,435 37,268	m3 m3	\$15.50 \$40.00	\$254,742.50 25% \$1,490,720.00 25%	\$63,686.00 \$372,680.00	\$318,428.50 \$1,863,400.00	Qty provided by GHD
R44P4 R44P5	Unsuitable Material (Item with Provisional Quantity) Selected Material Zone and Verge	2,000	m3	\$48.50	\$97,000.00 25%	\$24,250.00	\$121,250.00	
R44P5.2	Selected Material Zone - Imported Material	8,820	m3 m3	\$79.50 \$90.00	\$701,190.00 25% \$124,200.00 25%	\$175,298.00	\$876,488.00 \$155,250.00	
R44P5.4	Verge - Imported Material	1,380	1113	390.00	\$124,200.00 25%	\$31,050.00		
R44P7 R44P7.1	Verge - Imported Material Foundation Treatment Treatment Type EI - Loosen and Recompact	54,200	m2	\$1.30	\$70,460.00 25%	\$17,615.00	\$88,075.00	
R44P7	Verge - Imported Material Foundation Treatments							Policies and the second
R44P7 R44P7.1 R44P7.2 R44P8 R44P8.2	Verge - Imported Material Foundation Treatments Treatment Type EI - Loosen and Recompact Treatment Type CI - Loosen and Recompact Identification, Treatment and Disposal Off Site of Contaminated Material Other Contaminated Material	54,200	m2	\$1.30 \$1.30 \$10,000.00	\$70,460.00 25% \$16,120.00 25% \$10,000.00 25%	\$17,615.00 \$4,030.00 \$2,500.00	\$88,075.00 \$20,150.00 \$12,500.00	Provisional sum for unknown contaminates located at Rest Bay/Truck Stop that is to be demolished.
R44P7 R44P7.1 R44P7.2 R44P8 R44P8.2	Verge - Imported Material Foundation Treatments Treatment Type E1 - Loosen and Recompact Treatment Type E0 - Loosen and Recompact Identification, Treatment and Disposal Off Site of Contaminated Material Other Contaminated Material EARTHWORKS	54,200	m2 m2	\$1.30 \$1.30 \$10,000.00 Sub-Total:	\$70,460.00 25% \$16,120.00 25%	\$17,615.00 \$4,030.00	\$88,075.00 \$20,150.00	
R44P7.1 R44P7.1 R44P7.2 R44P8 R44P8.2 R71 - CONST	Verge - Imported Material Foundation Treatment Type E1 - Loosen and Recompact Treatment Type E1 - Loosen and Recompact Iteratment Type E1 - Loosen and Recompact Identification, Treatment and Disposal Off Site of Contaminated Material Other Contaminated Material EARTHWORKS FRUCTION OF UNBOUND AND MODIFIED PAVEMENT COURSE	54,200 12,400	m2 m2 provisional sum	\$1.30 \$1.30 \$10,000.00 Sub-Total: Ed 4/Rev 1	\$70,460.00 25% \$16,120.00 25% \$10,000.00 25% \$3,008,160.00 25.00%	\$17,615.00 \$4,030.00 \$2,500.00 \$752,041.00	\$88,075.00 \$20,150.00 \$12,500.00 \$3,760,201.00	
R44P7.1 R44P7.1 R44P7.2 R44P8 R44P8.2 R44 R71 - CONST R71P1 R71P2	Verge - Imported Material Foundation Treatments Treatment Type EI - Loosen and Recompact Treatment Type CI - Loosen and Recompact Identification, Treatment and Disposal Off Site of Contaminated Material Other Contaminated Material EARTHWORKS TRUCTION OF UNBOUND AND MODIFIED PAVEMENT COURSE Supply and Place Subbase Supply and Place Base	54,200	m2 m2	\$1.30 \$1.30 \$10,000.00 \$ub-Total: Ed 4/Rev 1 \$115.00 \$130.00	\$70,460.00 25% \$16,120.00 25% \$10,000.00 25% \$3,008,160.00 25.00% \$51,520.00 30% \$73,660.00 30%	\$17,615.00 \$4,030.00 \$2,500.00 \$752,041.00 \$15,456.00 \$21,918.00	\$88,075.00 \$20,150.00 \$12,500.00 \$3,760,201.00 \$66,976.00 \$94,978.00	
R44P7 R44P7.1 R44P7.2 R44P8 R44P8.2 R44 R71 - CONST R71P1 R71P2 R71	Verge - Imported Material Foundation Treatments Treatment Type E1 - Loosen and Recompact Treatment Type C1 - Loosen and Recompact Identification, Treatment and Disposal Off Site of Contaminated Material Other Contaminated Material EARTHWORKS FRUCTION OF UNBOUND AND MODIFIED PAVEMENT COURSE Supply and Place Subbase	54,200 12,400	m2 m2 provisional sum	\$1.30 \$1.30 \$10,000.00 Sub-Total: Ed 4/Rev 1	\$70,460.00 25% \$16,120.00 25% \$10,000.00 25% \$3,008,160.00 25.00% \$51,520.00 30%	\$17,615.00 \$4,030.00 \$2,500.00 \$752,041.00	\$88,075.00 \$20,150.00 \$12,500.00 \$3,760,201.00	
R44P7 R44P7.1 R44P7.2 R44P8 R44P8.2 R44 R71 - CONST R71P1 R71P2 R71 R82 - LEAN-1	Verge - Imported Material Foundation Treatments Treatment Type E1 - Loosen and Recompact Treatment Type E1 - Loosen and Recompact Treatment Type C1 - Loosen and Recompact Identification, Treatment and Disposal Off Site of Contaminated Material Other Contaminated Material EARTHWORKS IRUCTION OF UNBOUND AND MODIFIED PAVEMENT COURSE Supply and Place Subbase Supply and Place Base CONSTRUCTION OF UNBOUND AND MODIFIED PAVEMENT COURSE MIX CONCRETE SUBBASE Supply and Place Tourse Tubbase Supply and Place Tourse Tubbase Supply and Place Concrete in Subbase	54,200 12,400 - 448 562	m2 m2 provisional sum m3 m3	\$1.30 \$1.30 \$10,000.00 \$ub-Total: Ed 4/Rev 1 \$115.00 \$130.00 \$ub-Total: Ed 3/Rev 7	\$70,460.00 25% \$16,120.00 25% \$10,000.00 25% \$3,008,160.00 25.00% \$51,520.00 30% \$73,060.00 30% \$124,580.00 30.00%	\$17,615.00 \$4,030.00 \$2,500.00 \$752,041.00 \$15,456.00 \$21,918.00 \$37,374.00	\$88,075.00 \$20,150.00 \$12,500.00 \$3,760,201.00 \$66,976.00 \$94,978.00 \$161,954.00	
R44P7 R44P7.1 R44P7.2 R44P8 R44P8.2 R44 R71 - CONST R71P1 R71P2 R71 R82 - LEAN-1 R82P2 R82P3	Verge - Imported Material Foundation Treatments Treatment Type E1 - Loosen and Recompact Treatment Type E1 - Loosen and Recompact Intention Type E1 - Loosen and Recompact Identification, Treatment and Disposal Off Site of Contaminated Material Other Contaminated Material EARTHWORKS FRUCTION OF UNBOUND AND MODIFIED PAVEMENT COURSE Supply and Place Subbase Supply and Place Base CONSTRUCTION OF UNBOUND AND MODIFIED PAVEMENT COURSE MIX CONCRETE SUBBASE Supply and Place Concrete in Subbase Finish and Cure Subbase Finish and Cure Subbase Surface Debonding Treatment	54,200 12,400 - - 448 562	m2 m2 provisional sum m3 m3	\$1.30 \$1.30 \$10,000.00 \$ub-Total: Ed 4/Rev 1 \$115.00 \$130.00 \$ub-Total: Ed 3/Rev 7 \$265.00 \$4.60 \$5.10	\$70,460.00 25% \$16,120.00 25% \$10,000.00 25% \$3,008,160.00 25.00% \$3,1,520.00 30% \$73,060.00 30% \$124,580.00 30.00% \$1,231,720.00 30% \$109,641.00 30% \$121,555.50 30%	\$17,615.00 \$4,030.00 \$2,500.00 \$752,041.00 \$15,456.00 \$21,918.00 \$37,374.00 \$369,516.00 \$32,892.00 \$34,648.00	\$88,075.00 \$20,150.00 \$12,500.00 \$3,760,201.00 \$66,976.00 \$94,978.00 \$161,954.00 \$1,601,236.00 \$142,533.00 \$158,026.50	
R44P7 R44P7.1 R44P7.2 R44P8 R44P8.2 R44 R71 - CONST R71P1 R71P2 R71 R82 - LEAN-1 R82P1 R82P2 R82P3 R82	Verge - Imported Material Foundation Treatments Treatment Type E1 - Loosen and Recompact Treatment Type E1 - Loosen and Recompact Identification, Treatment and Disposal Off Site of Contaminated Material Other Contaminated Material EARTHWORKS FRUCTION OF UNBOUND AND MODIFIED PAVEMENT COURSE Supply and Place Subbase Supply and Place Base CONSTRUCTION OF UNBOUND AND MODIFIED PAVEMENT COURSE MIX CONCRETE SUBBASE Supply and Place Concrete in Subbase Finish and Cure Subbase Surface Debonding Treatment LEAN-MIX CONCRETE SUBBASE	54,200 12,400 - 448 562 4,648 23,835	m2 m2 provisional sum m3 m3	\$1.30 \$1.30 \$10,000.00 \$ub-Total: Ed 4/Rev 1 \$115.00 \$130.00 \$ub-Total: Ed 3/Rev 7 \$265.00 \$4.60 \$5.10 \$ub-Total:	\$70,460.00 25% \$16,120.00 25% \$10,000.00 25% \$3,008,160.00 25.00% \$3,008,160.00 30% \$73,060.00 30% \$124,580.00 30.00% \$1,231,720.00 30% \$109,641.00 30%	\$17,615.00 \$4,030.00 \$2,500.00 \$752,041.00 \$15,456.00 \$21,918.00 \$37,374.00	\$88,075.00 \$20,150.00 \$12,500.00 \$3,760,201.00 \$66,976.00 \$94,978.00 \$161,954.00 \$1,601,236.00 \$142,533.00	
R44P7 R44P7.1 R44P7.1 R44P7.2 R44P8 R44P8.2 R44 R71 - CONST R71P2 R71 R82 - LEAN-1 R82P2 R82P3 R82 R101 - COLD	Verge - Imported Material Foundation Treatments Treatment Type E1 - Loosen and Recompact Treatment Type E1 - Loosen and Recompact Treatment Type E1 - Loosen and Recompact Identification, Treatment and Disposal Off Site of Contaminated Material Other Contaminated Material EARTHWORKS TRUCTION OF UNBOUND AND MODIFIED PAVEMENT COURSE Supply and Place Subbase Supply and Place Base CONSTRUCTION OF UNBOUND AND MODIFIED PAVEMENT COURSE MIX CONCRETE SUBBASE Supply and Place Concrete in Subbase Finish and Cure Subbase Surface De/bonding Treatment LEAN-MIX CONCRETE SUBBASE D MILLING OF ROAD PAVEMENT MATERIALS	54,200 12,400 - 448 562 4,648 23,835	m2 m2 provisional sum m3 m3	\$1.30 \$1.30 \$10,000.00 \$ub-Total: Ed 4/Rev 1 \$115.00 \$130.00 \$ub-Total: Ed 3/Rev 7 \$265.00 \$4.60 \$5.10	\$70,460.00 25% \$16,120.00 25% \$10,000.00 25% \$3,008,160.00 25.00% \$3,1,520.00 30% \$73,060.00 30% \$124,580.00 30.00% \$1,231,720.00 30% \$109,641.00 30% \$121,555.50 30%	\$17,615.00 \$4,030.00 \$2,500.00 \$752,041.00 \$15,456.00 \$21,918.00 \$37,374.00 \$369,516.00 \$32,892.00 \$34,648.00	\$88,075.00 \$20,150.00 \$12,500.00 \$3,760,201.00 \$66,976.00 \$94,978.00 \$161,954.00 \$1,601,236.00 \$142,533.00 \$158,026.50	demolished.
R44P7 R44P7.1 R44P7.2 R44P8 R44P8.2 R44 R71 - CONST R71P2 R71 R82P LEAN-1 R82P2 R82P3 R82P R8101 - COLD	Verge - Imported Material Foundation Treatments Treatment Type E1 - Loosen and Recompact Treatment Type E1 - Loosen and Recompact Treatment Type C1 - Loosen and Recompact Identification, Treatment and Disposal Off Site of Contaminated Material Other Contaminated Material EARTHWORKS TRUCTION OF UNBOUND AND MODIFIED PAVEMENT COURSE Supply and Place Subbase Supply and Place Base CONSTRUCTION OF UNBOUND AND MODIFIED PAVEMENT COURSE MIX CONCRETE SUBBASE Supply and Place Concrete in Subbase Finish and Cure Subbase Surface De/bonding Treatment LEAN-MIX CONCRETE SUBBASE DMILLING OF ROAD PAVEMENT MATERIALS Milling to Specified Depth of Cut Milling to Specified Depth of Cut Milling to 30mm Depth of Cut	54,200 12,400 - - 448 562 4,648 23,835 23,835	m2 m2 provisional sum m3 m3 m3 m2 m2 m2	\$1.30 \$1.30 \$10,000.00 \$ub-Total: Ed 4/Rev 1 \$115.00 \$130.00 \$ub-Total: Ed 3/Rev 7 \$265.00 \$4.60 \$5.10 \$ub-Total: Ed 3/Rev 0	\$70,460.00 25% \$16,120.00 25% \$10,000.00 25% \$3,068,160.00 25.00% \$51,520.00 30% \$73,060.00 30% \$124,580.00 30.00% \$1121,558.50 30% \$1,462,919.50 30.00%	\$17,615.00 \$4,030.00 \$2,500.00 \$752,041.00 \$15,456.00 \$21,918.00 \$37,374.00 \$36,456.00 \$38,892.00 \$36,468.00 \$438,876.00	\$88,075,00 \$20,150,00 \$12,500,00 \$3,760,201,00 \$66,976,00 \$94,978,00 \$161,954,00 \$1,601,236,00 \$1,58,026,50 \$1,901,795,50	
R44P7.1 R44P7.1 R44P7.2 R44P8.2 R44 R71 - CONST R71P1 R71P2 R71 R82 - LEAN-1 R82P2 R82P3 R82 R101 - COLD R101P1.1 R101P1.1 R101P1.2 R101P1.3	Verge - Imported Material Foundation Treatments Treatment Type E1 - Loosen and Recompact Treatment Type E1 - Loosen and Recompact Treatment Type E1 - Loosen and Recompact Identification, Treatment and Disposal Off Site of Contaminated Material Other Contaminated Material EARTHWORKS TRUCTION OF UNBOUND AND MODIFIED PAVEMENT COURSE Supply and Place Subbase Supply and Place Base CONSTRUCTION OF UNBOUND AND MODIFIED PAVEMENT COURSE ONSTRUCTION OF UNBOUND AND MODIFIED PAVEMENT COURSE Supply and Place Concrete in Subbase Finish and Cure Subbase Surface De-bonding Treatment LEAN-MIX CONCRETE SUBBASE OMILLING OF ROAD PAVEMENT MATERIALS Milling to Specified Depth of Cut Milling to Somm Depth of Cut	54,200 12,400 - 448 562 4,648 23,835 23,835	m2 m2 provisional sum m3 m3 m3 m2 m2	\$1.30 \$1.30 \$10,000.00 \$ub-Total: Ed 4/Rev 1 \$115.00 \$130.00 \$ub-Total: Ed 3/Rev 7 \$265.00 \$4.60 \$5.10 \$ub-Total: Ed 3/Rev 0	\$70,460.00 25% \$16,120.00 25% \$10,000.00 25% \$3,008,160.00 25.00% \$51,520.00 30% \$124,580.00 30.00% \$124,580.00 30% \$121,558.50 30% \$1,462,919.50 30.00%	\$17,615.00 \$4,030.00 \$2,500.00 \$752,041.00 \$15,456.00 \$21,918.00 \$37,374.00 \$36,468.00 \$438,876.00 \$756.00 \$737.00 \$851.00	\$88.075.00 \$20,150.00 \$12,500.00 \$3,760,201.00 \$66,976.00 \$94,978.00 \$161,954.00 \$1,601,236.00 \$142,533.00 \$158,026.50 \$1,901,795.50	demolished.
R44P7 R44P7.1 R44P7.2 R44P8.2 R44P8.2 R44 R71 - CONST R71P1 R71P2 R71 R82 - LEAN-1 R82P2 R82P3 R82 R101 - COLD R101P1 R101P1.2 R101P1.3 R101	Verge - Imported Material Foundation Treatments Treatment Type El - Loosen and Recompact Treatment Type El - Loosen and Recompact Treatment Type El - Loosen and Recompact Identification, Treatment and Disposal Off Site of Contaminated Material Other Contaminated Material EARTHWORKS TRUCTION OF UNBOUND AND MODIFIED PAVEMENT COURSE Supply and Place Subbase Supply and Place Base CONSTRUCTION OF UNBOUND AND MODIFIED PAVEMENT COURSE MIX CONCRETE SUBBASE Supply and Place Concrete in Subbase Finish and Cure Subbase Surface De/bonding Treatment LEAN-MIX CONCRETE SUBBASE DMILLING OF ROAD PAVEMENT MATERIALS Milling to Specified Depth of Cut Milling to Somm Depth of Cut Milling to Somm Depth of Cut COLD MILLING OF ROAD PAVEMENT MATERIALS	54,200 12,400 - 448 562 4,648 23,835 23,835	m2 m2 provisional sum m3 m3 m3 m2 m2 m2	\$1.30 \$1.30 \$10,000.00 \$10,000.00 \$10,000.00 \$115.00 \$130.00 \$130.00 \$130.00 \$4.60 \$5.10 \$5.10 \$13/Rev 0 \$4.60 \$5.10 \$19.50 \$19.50 \$19.50 \$22.50 \$19.50	\$70,460.00 25% \$16,120.00 25% \$10,000.00 25% \$3,008,160.00 25.00% \$3,008,160.00 30% \$73,060.00 30% \$124,580.00 30.00% \$124,580.00 30% \$121,558.50 30% \$121,558.50 30% \$1,462,919.59 30.00%	\$17,615.00 \$4,030.00 \$2,500.00 \$752,041.00 \$15,456.00 \$21,918.00 \$37,374.00 \$369,516.00 \$33,892.00 \$36,468.00 \$438,876.00	\$88,075.00 \$20,150.00 \$12,500.00 \$3,760,201.00 \$3,760,201.00 \$4,978.00 \$161,954.00 \$1,601,236.00 \$142,533.00 \$158,026.50 \$1,901,795.50	demolished.
R44P7 R44P7.1 R44P7.2 R44P8.2 R44P8.2 R44 R71 - CONST R71P1 R71P2 R71 R82 - LEAN-1 R82P2 R82P3 R82 R101 - COLD R101P1 R101P1.2 R101P1.3 R101	Verge - Imported Material Foundation Treatments Treatment Type E1 - Loosen and Recompact Treatment Type E1 - Loosen and Recompact Treatment Type E1 - Loosen and Recompact Identification, Treatment and Disposal Off Site of Contaminated Material Other Contaminated Material EARTHWORKS TRUCTION OF UNBOUND AND MODIFIED PAVEMENT COURSE Supply and Place Subbase Supply and Place Base CONSTRUCTION OF UNBOUND AND MODIFIED PAVEMENT COURSE ONSTRUCTION OF UNBOUND AND MODIFIED PAVEMENT COURSE Supply and Place Concrete in Subbase Finish and Cure Subbase Surface De-bonding Treatment LEAN-MIX CONCRETE SUBBASE OMILLING OF ROAD PAVEMENT MATERIALS Milling to Specified Depth of Cut Milling to Somm Depth of Cut	54,200 12,400 - 448 562 4,648 23,835 23,835	m2 m2 provisional sum m3 m3 m3 m2 m2 m2	\$1.30 \$1.30 \$10,000.00 \$ub-Total: Ed 4/Rev 1 \$115.00 \$130.00 \$ub-Total: Ed 3/Rev 7 \$265.00 \$4.60 \$5.10 \$ub-Total: Ed 3/Rev 0	\$70,460.00 25% \$16,120.00 25% \$10,000.00 25% \$3,008,160.00 25.00% \$51,520.00 30% \$124,580.00 30.00% \$124,580.00 30% \$121,558.50 30% \$1,462,919.50 30.00%	\$17,615.00 \$4,030.00 \$2,500.00 \$752,041.00 \$15,456.00 \$21,918.00 \$37,374.00 \$36,468.00 \$438,876.00 \$756.00 \$737.00 \$851.00	\$88.075.00 \$20,150.00 \$12,500.00 \$3,760,201.00 \$66,976.00 \$94,978.00 \$161,954.00 \$1,601,236.00 \$142,533.00 \$158,026.50 \$1,901,795.50	demolished.
R44P7 R44P7.1 R44P7.2 R44P8.2 R44P8.2 R44 R71 - CONST R71P1 R71P2 R71 R82 - LEAN-1 R82P2 R82P3 R82 R101 - COLD R101P1 R101P1.2 R101P1.3 R101	Verge - Imported Material Foundation Treatments Treatment Type El - Loosen and Recompact Treatment Type El - Loosen and Recompact Treatment Type El - Loosen and Recompact Identification, Treatment and Disposal Off Site of Contaminated Material Other Contaminated Material EARTHWORKS TRUCTION OF UNBOUND AND MODIFIED PAVEMENT COURSE Supply and Place Subbase Supply and Place Base CONSTRUCTION OF UNBOUND AND MODIFIED PAVEMENT COURSE MIX CONCRETE SUBBASE Supply and Place Concrete in Subbase Finish and Cure Subbase Surface De/bonding Treatment LEAN-MIX CONCRETE SUBBASE DMILLING OF ROAD PAVEMENT MATERIALS Milling to Specified Depth of Cut Milling to Somm Depth of Cut Milling to Somm Depth of Cut COLD MILLING OF ROAD PAVEMENT MATERIALS	54,200 12,400 - 448 562 4,648 23,835 23,835	m2 m2 provisional sum m3 m3 m3 m2 m2 m2	\$1.30 \$1.30 \$10,000.00 \$10,000.00 \$10,000.00 \$115.00 \$130.00 \$130.00 \$130.00 \$4.60 \$5.10 \$5.10 \$13/Rev 0 \$4.60 \$5.10 \$19.50 \$19.50 \$19.50 \$22.50 \$19.50	\$70,460.00 25% \$16,120.00 25% \$10,000.00 25% \$3,008,160.00 25.00% \$51,520.00 30% \$124,580.00 30.00% \$124,580.00 30% \$121,558.50 30% \$1,462,919.50 30.00%	\$17,615.00 \$4,030.00 \$2,500.00 \$752,041.00 \$15,456.00 \$21,918.00 \$37,374.00 \$36,468.00 \$438,876.00 \$756.00 \$737.00 \$851.00	\$88.075.00 \$20,150.00 \$12,500.00 \$3,760,201.00 \$66,976.00 \$94,978.00 \$161,954.00 \$1,601,236.00 \$142,533.00 \$158,026.50 \$1,901,795.50	demolished.

R106P5 R106P6	Description of work	Quantity	Unit	Rate	Amount	Contingency		
	Supply, Incorporate and Spray Cutter Oil in Binder	712	cold litre	\$2.30	% \$1,637.60 30%	Value \$491.00	Amount \$2,128.60	MIE Comments
	Supply, Incorporate and Spray Flux Oil in Binder	7	cold litre	\$2.10	\$14.70 30%	\$4.00	\$18.70	
06 <i>P7</i> 06P7.2	Supply, Precoat, Apply and Incorporate Aggregate 7 mm Aggregate (precoated)	17	m3	\$395.00	\$6,715.00 30%	\$2,015.00	\$8,730.00	
06P7.3	10 mm Aggregate (precoated)	199	m3	\$325.00	\$64,675.00 30%	\$19,403.00	\$84,078.00	
)6P7.4)6	14 mm Aggregate (precoated) SPRAYED BITUMINOUS SURFACING (WITH CUTBACK BITUMEN)	25	m3	\$330.00 Sub-Total:	\$8,250.00 30% \$170,292.30 30.00%	\$2,475.00 \$51,088.00	\$10,725.00 \$221,380.30	
	DUTY DENSE GRADED ASPHALT			Ed 8/Rev 4	\$170,272,30	\$51,000.00	9221,000.00	
6P1 6P3	Supply and Application of Tack Coat (Including Preparation of Surface) Heavy Duty Dense Asphalt in Intermediate Courses	18,300	litre	\$2.90	\$53,070.00 30%	\$15,921.00	\$68,991.00	
16P3.3 16P3.3.1	20 mm Nominal Size 20 mm Nominal Size, 125 mm thick (AR450)	23,961	m2	\$75.00	\$1,797,075.00 30%	\$539,123.00	\$2,336,198.00	The Rate reflects design having 2
116P4	Heavy Duty Dense Asphalt In Wearing Course	23,701	2	975.00	91,777,073.00	955,125.00	92,330,170.00	The Nate Percent design maring 2
16P4.4 116P4.4.1	14 mm Nominal Size 14 mm Nominal Size, 50 mm thick (A15E)	23,961	m2	\$33.50	\$802,693.50 30%	\$240,808.00	\$1,043,501.50	
116	HEAVY DUTY DENSE GRADED ASPHALT			Sub-Total:	\$2,652,838.50 30.00%	\$795,852.00	\$3,448,690.50	
119 - OPEN G	RADED ASPHALT			Ed 1/Rev 2				
119P1	Supply and Application of Tackcoat (Including Preparation of surface)	6,078	litre	\$2.90	\$17,626.20 30%	\$5,288.00	\$22,914.20	
119P2 119P2.2	Open Graded Asphalt in Wearing Course 14 mm Nominal Size, 30mm deep	1,716	t	\$265.00	\$454,740.00 30%	\$136,422.00	\$591,162.00	
119	OPEN GRADED ASPHALT			Sub-Total:	\$472,366.20 30.00%	\$141,710.00	\$614,076.20	
131 - GUIDE F	POSTS			Ed 4/Rev 1				
31P1	Supply and Installation of Guide Posts	64	each	\$32.00	\$2,048.00 25%	\$512.00	\$2,560.00	Measured qty from drawings crossmatched with Google Maps plus Qty from
131P2	Removal of Existing Guide Posts	4	each	\$16.00	\$64.00 25%	\$16.00	\$80.00	Measured qty from drawings crossmatched with Google
131	GUIDE POSTS			Sub-Total:	\$2,112.00 25.00%	\$528.00	\$2,640.00	17
32 - SAFETY	BARRIER SYSTEMS			Ed 3/Rev 3				
32P1	Removal of Safety Barriers	230	m	\$17.50	\$4,025.00 25%	\$1,006.00	\$5,031.00	Measured qty from drawings crossmatched with Google
32P2 32P3	Removal of End Treatments and Transitions Construction of Post and Rail Safety Barriers	6	each	\$445.00	\$2,670.00 25%	\$668.00	\$3,338.00	Measured qty from drawings crossmatched with Google
132P3.1	Near side (single sided) post and rail barriers	1,160	m	\$255.00	\$295,800.00 25%	\$73,950.00	\$369,750.00	Qty provided by
132P8 132P8.1	Construction of End Treatments Melt	10	each	\$3,710.00	\$37,100.00 25%	\$9,275.00	\$46,375.00	Qty provided by
32P8.2 32P9	Crash Cushion Construction of Transitions	1	each each	\$33,150.00 \$2,020.00	\$33,150.00 25% \$16,160.00 25%	\$8,288.00 \$4,040.00	\$41,438.00 \$20,200.00	Qty provided by Qty provided by
132	CONSTRUCTION OF FRANKHONS SAFETY BARRIER SYSTEMS	8	eacn	Sub-Total:	\$388,905.00 25.00%	\$97,227.00	\$486,132.00	Qty provided by
141 - PAVEMI	ENT MARKING			Ed 6/Rev 6				
41P1	Water Borne Paint - Longitudinal Lines							
41P1.1 41P1.2	BB CI	568 420	m m	\$1.40 \$1.20	\$795.79 25% \$504.04 25%	\$199.00 \$126.00	\$994.79 \$630.04	Measured from dra Measured from dra
141P1.3	El	3,427	m	\$1.20	\$4,112.14 25%	\$1,028.00	\$5,140.14	Measured from dra
41P1.4 41P13	E3 Removal of Longitudinal Linemarkings, Transverse Lines and Other Symbols	1,744 63	m m2	\$1.20 \$58.50	\$2,092.54 25% \$3,685.50 25%	\$523.00 \$921.00	\$2,615.54 \$4,606.50	Measured from dra Measured from dra
141	PAVEMENT MARKING			Sub-Total:	\$11,190.00 25.00%	\$2,797.00	\$13,987.00	
142 - RETROF	REFLECTIVE RAISED PAVEMENT MARKERS			Ed 4/Rev 6				
42P2	Installation of Retroreflective Raised Pavement Markers	315	each	\$7.60	\$2,394.00 25%	\$599.00	\$2,993.00	Measured from dra
142P3 142	Removal of Retroreflective Raised Pavement Markers (Item with provisional quantity) RETROREFLECTIVE RAISED PAVEMENT MARKERS	20	each	\$2.40 Sub-Total:	\$48.00 25% \$2,442.00 25.02%	\$12.00 \$611.00	\$60.00 \$3,053.00	Measured from dra
143 - SIGNPO	OSTING			Ed 5/Rev 0				
43P1	Removal, Modification and Relocation of Existing Signs							
143P1.2 143P1.2.1	Relocation (Without Modification) of Existing Signs Small	9	each	\$560.00	\$4,480.00 25%	\$1,120.00	\$5,600.00	Qty and descripton provided by
143P1.2.2	misc	8	each	\$560.00	\$4,480.00 25%	\$1,120.00	\$5,600.00	Qty and descripton provided by
143P2 143P2.1	Supply and Installation of New Signs New Signs with Standard CHS Post Support Structure							Type and Oty provided by
143P2.1.1	D4-6C	4	each	\$420.00	\$1,680.00 25%	\$420.00	\$2,100.00	Type and Qty provided by
43P2.1.2 43P2.1.3	G2-1 G2-3	2 2	each each	\$740.00 \$850.00	\$1,480.00 25% \$1,700.00 25%	\$370.00 \$425.00	\$1,850.00 \$2,125.00	
43P2.1.4	G8-1-1A	2	each	\$365.00	\$730.00 25%	\$183.00	\$913.00	
43P2.1.5 43P2.1.6	G9-18 GE2-1-3	2	each each	\$400.00 \$2,880.00	\$400.00 25% \$5,760.00 25%	\$100.00 \$1,440.00	\$500.00 \$7,200.00	
43P2.1.7 43P2.1.8	GE2-3 GE-9-2	1	each each	\$2,870.00 \$2,870.00	\$2,870.00 25% \$2,870.00 25%	\$718.00 \$718.00	\$3,588.00 \$3,588.00	
43P2.1.9	R2-15	2	each	\$375.00	\$750.00 25%	\$188.00	\$938.00	
43P2.1.10 43P2.1.11	R2-3(L) R4-1-110	1	each each	\$405.00 \$405.00	\$405.00 25% \$405.00 25%	\$101.00 \$101.00	\$506.00 \$506.00	
43P2.1.12	R4-1-60	10	each	\$405.00	\$4,050.00 25%	\$1,013.00	\$5,063.00	
43P2.1.13	R7-2 W1-3	1	each each	\$355.00 \$430.00	\$1,065.00 25% \$430.00 25%	\$266.00 \$108.00	\$1,331.00 \$538.00	
43P2.1.14	W1-3(L) W2-2002	2	each each	\$430.00 \$430.00	\$860.00 25% \$430.00 25%	\$215.00 \$108.00	\$1,075.00 \$538.00	
43P2.1.15		1	each	\$430.00	\$430.00 25%	\$108.00	\$538.00	
43P2.1.15 43P2.1.16 43P2.1.17	W2-202		each	\$430.00	\$1,290.00 25%	\$323.00 \$108.00	\$1,613.00 \$538.00	
43P2.1.15 43P2.1.16 43P2.1.17 43P2.1.18	W5-14	3			\$430.00 25%			
43P2.1.15 43P2.1.16 43P2.1.17 43P2.1.18 43P2.1.19 43P2.1.20	W5-14 W5-34(L) W8-2	3 1 2	each each	\$430.00 \$400.00	\$430.00 25% \$800.00 25%	\$200.00	\$1,000.00	
43P2.1.15 43P2.1.16 43P2.1.17 43P2.1.18 43P2.1.19 43P2.1.20	W5-14 W5-34(L) W8-2 SIGNPOSTING	3 1 2	each	\$430.00 \$400.00 Sub-Total:				
43P2.1.15 43P2.1.16 43P2.1.17 43P2.1.18 43P2.1.19 43P2.1.20	W5-14 W5-34(L) W8-2 SIGNPOSTING	3 1 2	each	\$430.00 \$400.00	\$800.00 25%	\$200.00	\$1,000.00	
43P2.1.15 43P2.1.16 43P2.1.17 43P2.1.18 43P2.1.19 43P2.1.20 43 78 - VEGETA	WS-14 WS-34(L) WS-2 SIGNPOSTING ATION Spraying Weeds with Herbicide	72,629	each	\$430.00 \$400.00 Sub-Total:	\$800.00 25%	\$200.00	\$1,000.00	
43P2.1.15 43P2.1.16 43P2.1.17 43P2.1.18 43P2.1.19 43P2.1.20 43 78 - VEGETA 78P1 78P2 78P2.1	WS-14 WS-34(L) WS-2 SIGNPOSTING ATION Spraying Weeds with Herbicide Topsoiling Using Site Material Including Surface Preparation and Screening of Topsoil Stockpiles Areas with a bope of \$10 to flatter.	39,129	each each	\$430.00 \$400.00 Sub-Total: Ed 5/Rev 4 \$0.10	\$800.00 25% \$37,795.00 25.01% \$7,262.90 25% \$219,122.40 25%	\$200.00 \$9,453.00 \$1,816.00 \$54,781.00	\$1,000.00 \$47,248.00 \$9,078.90 \$273,903.40	
43P2.1.15 43P2.1.16 43P2.1.17 43P2.1.17 43P2.1.18 43P2.1.19 43P2.1.20 43 78 - VEGETA 78P1 78P2 78P2.1	WS-14 WS-34(L) WS-2 SIGNPOSTING ATION Spraying Weeds with Herbicide Topsoiling Using Site Material Including Surface Preparation and Screening of Topsoil Stockpiles		each each	\$430.00 \$400.00 Sub-Total: Ed 5/Rev 4 \$0.10	\$800.00 25% \$37,795.00 25.01% \$7,262.90 25%	\$200.00 \$9,453.00 \$1,816.00	\$1,000.00 \$47,248.00 \$9,078.90	
43P2.1.15 43P2.1.16 43P2.1.17 43P2.1.18 43P2.1.19 43P2.1.19 43P2.1.20 43 78 - VEGETA 78P1 78P2 78P2.1 78P8.2 78P8 78P8	WS-14 WS-34(L) WS-2 SIGNPOSTING ATION Spraying Weeds with Herbicide Topsoiling Using Site Material Including Surface Preparation and Screening of Topsoil Stockpiles Areas with a slope of 5 to 1 or flatter. Areas state a slope of 5 to 1 except stepped batters. Hydromulching Turfing for Slopes and Open Drain Areas	39,129 33,500 72,629	each each m2 m2 m2 m2 m2	\$430.00 \$400.00 Sub-Total: Ed 5/Rev 4 \$0.10 \$5.60 \$6.20 \$0.70	\$800.00 25% \$37,795.00 25.01% \$7,262.90 25% \$219,122.40 25% \$207,700.00 25% \$50,840.30 25%	\$200.00 \$9,453.00 \$1,816.00 \$54,781.00 \$51,925.00 \$12,710.00	\$1,000.00 \$47,248.00 \$9,078.90 \$273,903.40 \$259,625.00 \$63,550.30	
43P2.1.15 43P2.1.16 43P2.1.17 43P2.1.18 43P2.1.19 43P2.1.20 43 78 - VEGETA 78P1 78P2.1 78P2.2 78P8 78P1.8 78P1.8 78P1.8 78P1.8	WS-14 WS-34(L) WS-2 SIGNPOSTING ATION Spraying Weeds with Herbicide Topsoiling Using Site Material Including Surface Preparation and Screening of Topsoil Stockpiles Areas with a slope of 5 to 1 or flatter. Areas steeper than 5 to 1 except stepped batters. Hydromulching	39,129 33,500	each each m2 m2 m2	\$430.00 \$400.00 Sub-Total: Ed 5/Rev 4 \$0.10 \$5.60 \$6.20	\$800.00 25% \$37,795.00 25.01% \$7,262.90 25% \$219,122.40 25% \$207,700.00 25%	\$200.00 \$9,453.00 \$1,816.00 \$54,781.00 \$51,925.00	\$1,000.00 \$47,248.00 \$9,078.90 \$273,903.40 \$259,625.00	
43P2.1.15 43P2.1.16 43P2.1.17 43P2.1.18 43P2.1.19 43P2.1.19 43P2.1.19 78- VEGETA 78P1 78P2 78P2.1 78P2.2 78P2.1 78P8.2 78P18.2 78P18.2	WS-14 WS-34(L) WS-2 SIGNPOSTING ATION Spraying Weeds with Herbicide Topsoiling Using Site Material Including Surface Preparation and Screening of Topsoil Stockpiles Areas with a slope of 5 to 1 or flatter. Areas steeper than 5 to 1 except stepped batters. Hydromulching Turfing for Slopes and Open Drain Areas Open drains and areas with gradient steeper than 5 to 1.	39,129 33,500 72,629	each each m2 m2 m2 m2 m2	\$430.00 \$400.00 Sub-Total: Ed 5/Rev 4 \$0.10 \$5.60 \$6.20 \$0.70	\$800.00 25% \$37,795.00 25.01% \$7,262.90 25% \$219,122.40 25% \$207,700.00 25% \$50,840.30 25% \$0.00 13%	\$200.00 \$9,453.00 \$1,816.00 \$54,781.00 \$51,925.00 \$12,710.00 \$0.00	\$1,000.00 \$47,248.00 \$9,078.90 \$273,903.40 \$259,625.00 \$63,550.30	
13P2.1.15 13P2.1.16 13P2.1.16 13P2.1.17 13P2.1.18 13P2.1.19 13P2.1.19 13P2.1.20 13 78 - VEGETA 78P2 78P2.1 78P2.2 78P2.1 78P2.2	WS-14 WS-34(L) WS-2 SIGNPOSTING ATION Spraying Weeds with Herbicide Topsoiling Using Site Material Including Surface Preparation and Screening of Topsoil Stockpiles Areas with a slope of 5 to 1 or flatter. Areas steeper than 5 to 1 except stepped batters. Hydromulching Turfing for Slopes and Open Drain Areas Open drains and areas with gradient steeper than 5 to 1. VEGETATION CAPE PLANTING	39,129 33,500 72,629	each each m2 m2 m2 m2 m2	\$430.00 \$400.00 Sub-Total: Ed 5/Rev 4 \$0.10 \$5.60 \$6.20 \$0.70 \$0.00 Sub-Total:	\$800.00 25% \$37,795.00 25.01% \$7,262.90 25% \$219,122.40 25% \$207,700.00 25% \$50,840.30 25% \$0.00 13%	\$200.00 \$9,453.00 \$1,816.00 \$54,781.00 \$51,925.00 \$12,710.00 \$0.00	\$1,000.00 \$47,248.00 \$9,078.90 \$273,903.40 \$259,625.00 \$63,550.30	Oty provided by
43P2.1.15 43P2.1.16 43P2.1.16 43P2.1.18 43P2.1.19 43P2.1.19 43P2.1.20 43 78 - VEGETA 78P1 78P2.1 78P2.1 78P2.2 78P8 78P18.2 78 - VEGETA 78P18.2 78P18.2 78P18.2 78 - VEGETA	WS-14 WS-34(L) WS-2 SIGNPOSTING ATION Spraying Weeds with Herbicide Topsoilling Using Site Material Including Surface Preparation and Screening of Topsoil Stockpiles Areas with a slope of 5 to 1 or flatter. Areas steeper than 5 to 1 except stepped batters. Hydromulching Turfing for Slopes and Open Drain Areas Open drains and areas with gradient steeper than 5 to 1. VEGETATION	39,129 33,500 72,629	m2 m2 m2 m2 m2 m2	\$430.00 \$400.00 Sub-Total: Ed 5/Rev 4 \$0.10 \$5.60 \$6.20 \$0.70 \$0.00 Sub-Total: Ed 1/Rev 2	\$800.00 25% \$37,795.00 25.01% \$7,262.90 25% \$219,122.40 25% \$207,700.00 25% \$50,840.30 25% \$0.00 13% \$484,925.60 25.00%	\$200.00 \$9,453.00 \$1,816.00 \$54,781.00 \$51,925.00 \$12,710.00 \$0.00 \$121,232.00	\$1,000.00 \$47,248.00 \$9,078.90 \$273,903.40 \$259,625.00 \$63,550.30 \$0.00 \$606,157.60	Qty provided by
43P2.1.15 43P2.1.16 43P2.1.17 43P2.1.18 43P2.1.19 43P2.1.19 43P2.1.19 43P2.1.20 43 78-VEGETA 79-VEGETA 79-	WS-14 WS-34(L) WS-2 SIGNPOSTING ATION Spraying Weeds with Herbicide Topsoilling Using Site Material Including Surface Preparation and Screening of Topsoil Stockpiles Areas with a slope of 5 to 1 or flatter. Areas steeper than 5 to 1 except stepped batters. Hydromulching Turfing for Slopes and Open Drain Areas Open drains and areas with gradient steeper than 5 to 1. VEGETATION CAPE PLANTING Landscape Planting Subcontract LANDSCAPE PLANTING	39,129 33,500 72,629	m2 m2 m2 m2 m2 m2	\$430.00 \$400.00 Sub-Total: Ed 5/Rev 4 \$0.10 \$5.60 \$6.20 \$0.70 \$0.00 Sub-Total: Ed 1/Rev 2 \$13,450.00	\$800.00 25% \$37,795.00 25.01% \$7,262.90 25% \$219,122.40 25% \$207,700.00 25% \$50,840.30 25% \$0.00 13% \$484,925.60 25.00%	\$200.00 \$9,453.00 \$1,816.00 \$54,781.00 \$51,925.00 \$12,710.00 \$0.00 \$121,232.00	\$1,000.00 \$47,248.00 \$9,078.90 \$273,903.40 \$259,625.00 \$63,550.30 \$0.00 \$606,157.60	Qty provided by
43P2.1.15 43P2.1.16 43P2.1.17 43P2.1.18 43P2.1.19 43P2.1.19 43P2.1.19 43P2.1.20 43 778 - VEGETA 78P1 78P1 78P2 78P2 78P2.1 78P2.1 78P2.2 78P2.1 78P2.2 78P7 78P8 78P8 78P18 78P18 79 - LANDSC 79P18 79 - LOUI - FENCING	WS-14 WS-34(L) WS-2 SIGNPOSTING ATION Spraying Weeds with Herbicide Topsoiling Using Site Material Including Surface Preparation and Screening of Topsoil Stockpiles Areas with a slope of 5 to 1 or flatter. Areas steeper than 5 to 1 except stepped batters. Hydromulching Turfing for Slopes and Open Drain Areas Open drains and areas with gradient steeper than 5 to 1. VEGETATION CAPE PLANTING Landscape Planting Subcontract LANDSCAPE PLANTING IG Rural Fencing - Wire	39,129 33,500 72,629 1,934	m2 m2 m2 m2 m2 m2 m2 m2 m2 mm2 m2 m2 m2	\$430.00 \$400.00 Sub-Total: Ed 5/Rev 4 \$0.10 \$5.60 \$6.20 \$0.70 \$0.00 Sub-Total: Ed 1/Rev 2 \$13,450.00 Sub-Total: Ed 4/Rev 5 \$32.50	\$800.00 25% \$37,795.00 25.01% \$7,262.90 25.01% \$7,262.90 25% \$219,122.40 25% \$207,700.00 25% \$0.00 13% \$484,925.60 25.00% \$13,450.00 25% \$13,450.00 25.00%	\$200.00 \$9,453.00 \$1,816.00 \$54,781.00 \$51,925.00 \$12,710.00 \$0.00 \$121,232.00 \$3,363.00 \$3,363.00	\$1,000.00 \$47,248.00 \$9,078.90 \$273,903.40 \$259,625.00 \$63,550.30 \$0.00 \$606,157.60 \$16,813.00 \$56,813.00	Qty provided by t Qty provided by t
43P2.1.15 43P2.1.17 43P2.1.18 43P2.1.19 43P2.1.18 43P2.1.19 43P2.1.20 43 78 - VEGETA 78P1 78P2 78P2 78P2 78P2 78P2 78P2 78P2 78P2	WS-14 WS-34(L) WS-2 SIGNPOSTING ATION Spraying Weeds with Herbicide Topsoiling Using Site Material Including Surface Preparation and Screening of Topsoil Stockpiles Areas with a slope of 5 to 1 or flatter. Areas steeper than 5 to 1 except stepped batters. Hydromulching Turfing for Slopes and Open Drain Areas Open drains and areas with gradient steeper than 5 to 1. VEGETATION CAPE PLANTING Landscape Planting Subcontract LANDSCAPE PLANTING	39,129 33,500 72,629 1,934	each each m2 m2 m2 m2 m2 m2 provisional sum	\$430.00 \$400.00 Sub-Total: Ed 5/Rev 4 \$0.10 \$5.60 \$6.20 \$0.70 \$0.00 Sub-Total: Ed 1/Rev 2 \$13,450.00 Sub-Total: Ed 4/Rev 5	\$800.00 25% \$37,795.00 25.01% \$7,262.90 25% \$219,122.40 25% \$207,700.00 25% \$50,840.30 25% \$0.00 13% \$484,925.60 25.00% \$13,450.00 25% \$13,450.00 25%	\$200.00 \$9,453.00 \$1,816.00 \$54,781.00 \$51,925.00 \$12,710.00 \$0.00 \$121,232.00 \$3,363.00 \$3,363.00	\$1,000.00 \$47,248.00 \$9,078.90 \$273,903.40 \$259,625.00 \$63,550.30 \$0.00 \$606,157.60	
43P2.1.14 43P2.1.15 43P2.1.16 43P2.1.16 43P2.1.17 43P2.1.19 43P2.1	WS-14 WS-34(L) WS-2 SIGNPOSTING ATION Spraying Weeds with Herbicide Topsoiling Using Site Material Including Surface Preparation and Screening of Topsoil Stockpiles Areas with a slope of \$ 10 to flatter. Areas steeper than \$ 10 to flatter. Areas steeper than \$ 5 to 1 except steepped batters. Hydromulching Turfing for Slopes and Open Drain Areas Open drains and areas with gradient steeper than \$ to 1. VEGETATION CAPE PLANTING Landscape Planting Subcontract LANDSCAPE PLANTING IG Rural Fencing - Wire Removal of Existing Fencing	39,129 33,500 72,629 1,934	m2 m2 m2 m2 m2 m2 m2 m2 m2 mm2 m2 m2 m2	\$430.00 \$400.00 \$Sub-Total: Ed 5/Rev 4 \$0.10 \$5.60 \$6.20 \$0.70 \$0.00 \$Sub-Total: Ed 1/Rev 2 \$13,450.00 \$Sub-Total: Ed 4/Rev 5 \$32,50 \$5.60	\$800.00 25% \$37,795.00 25.01% \$7,262.90 25% \$219,122.40 25% \$207,700.00 25% \$50,840.30 25% \$0.00 13% \$484,925.60 25.00% \$13,450.00 25% \$45,500.00 25% \$7,840.00 25%	\$200.00 \$9,453.00 \$1,816.00 \$54,781.00 \$51,925.00 \$12,710.00 \$121,232.00 \$3,363.00 \$3,363.00 \$111,375.00 \$1,960.00	\$1,000.00 \$47,248.00 \$9,078.90 \$273,903.40 \$259,625.00 \$63,550.30 \$0.00 \$606,157.60 \$16,813.00 \$56,875.00 \$9,800.00	Qty provided by

Schedule of Rates

Work: Sutton Forest Interchange - Alternative 2 - Concept Design - Draft 2

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The quantities shown in this Schedule of Rates are estimated quantities only and are not to be taken as actual or correct quantities of work to be carried out or paid for under the various items of work. All items must be extended to show total amounts. Rates for individual pay items must exclude GST. GST must be added after extended pay items are totalled.

Pay Item	Description of work	Quantity	Unit	Rate	Amount	%	Contingency Value	Amount	MIE Comments
G1 - JOB SPE	CIFIC REQUIREMENTS			Ed 2/Rev 0					
G1P1	Overpass Bridge	-	lump sum	\$1,915,000.00	\$1,915,000.00	30%	\$574,500.00	\$2,489,500.00	Overpass Bridge - Bridge structure to be Super T construction, single pier central to Hume Highway with throw screens. 65m span, 460m2 Deck Area, 130m Parapet (Type
G1P2	New Toilet Block/Amenity	-	lump sum	\$1,090.00	\$1,090.00	30%	\$327.00	\$1,417.00	F), and 464m2 of Abutment area (Face). Based on 40 m2 @ \$2,370.00 rate/m2, provisional allowance with no details on the type of building structure.
G1	JOB SPECIFIC REQUIREMENTS ERAL REQUIREMENTS (MAJOR CONTRACTS)			Sub-Total:	\$1,916,090.00	30.00%	\$574,827.00	\$2,490,917.00	
G2-C2P1	Primary Testing Subcontract (Provisional Sum)	-	provisional sum	Ed 5/Rev 12 \$322,000.00	\$322,000.00		\$96,600.00	\$418,600.00	2.0%
G2-C2P2 G2-C2	WAE Drawings GENERAL REQUIREMENTS (MAJOR CONTRACTS)	-	lump sum	\$161,000.00 Sub-Total:	\$161,000.00 \$483,000.00		\$48,300.00 \$144,900.00	\$209,300.00 \$627,900.00	1.0%
	AL'S PROJECT ACCOMMODATION			Ed 1/Rev 7					52 weeks nominated by GHD
G4P1 G4P2 G4P3	Establishment of Principal's Project Accommodation Maintenance of Principal's Project Accommodation until Completion Maintenance of Principal's Project Accommodation after Completion (Item with provisional quantity)	52 4	lump sum week week	\$39,800.00 \$1,180.00 \$920.00	\$39,800.00 \$61,360.00 \$3,680.00	30%	\$11,940.00 \$18,408.00 \$1,104.00	\$51,740.00 \$79,768.00 \$4,784.00	
G4P4 G4	Removal of Principal's Project Accommodation PRINCIPAL'S PROJECT ACCOMMODATION		lump sum	\$4,290.00 Sub-Total:	\$4,290.00 \$109,130.00	30%	\$1,287.00 \$32,739.00	\$5,577.00 \$141,869.00	
G7 - UTILITY	ADJUSTMENT			Ed 1/Rev 2					
G7P1 G7P5	Coordination and Management of Utility Adjustment Work Electricity Mains	-	lump sum	\$45,150.00	\$45,150.00	40%	\$18,060.00	\$63,210.00	Based on 5% of Total Value of G7
G7P5.1	Adjustment to Electricity Mains	-	lump sum	\$52,050.00	\$52,050.00	40%	\$20,820.00	\$72,870.00	Fees of \$20k, plus costs to supply and install 50m x underground supply (4x150 conduits), 2 x New Poles woth OH/UG connections, and 1 x exiting pole to be removed.
G7P6 G7P6.1	Street Lighting (non-RMS) On/Off ramps and Rest area to be lighted.	-	lump sum	\$337,500.00	\$337,500.00	40%	\$135,000.00	\$472,500.00	Supply and lay 900m x 100mm conduit, 34 x cables pits, 1 x Control Cabinet, 24 x light 12.0m high poles including footings and light fittings, and 1300m of cabling.
G7P7 G7P8	Engagement of Water Servicing Coordinator Water Mains	-	lump sum	\$3,950.00	\$3,950.00	40%	\$1,580.00	\$5,530.00	
G7P8.1 G7P10	Adjustments to Water Main Telecommunications	-	lump sum	\$78,900.00	\$78,900.00	40%	\$31,560.00	\$110,460.00	Replace 300 GRP with DN300 DICL, with Thrust Block and Stop Valve (and Pit), including Pressure Test.
G7P10.1	Adjustments to Telecommunications	-	provisional sum	\$283,500.00	\$283,500.00	40%	\$113,400.00	\$396,900.00	Protect exising services and lay as nominated by GHD, Eastern side $300m \times 5 \times 150dia$ Conduits and Western Side, $900m \times 2 \times 150mm$ dia Conduits.
G7P11 G7P11.1	Gas Mains Gas Mains - Protection	-	lump sum	\$147,500.00	\$147,500.00	40%	\$59,000.00	\$206,500.00	Gas Main Protection, approx 228m piers with a concrete slab as detailed for each pipe diameter.
G7P14 G7P14.1	Easement Crossing Easement Crossing - Concrete slab on grade incl ground preperation	-	lump sum	\$168,000.00	\$168,000.00		\$67,200.00	\$235,200.00	
G10 - TRAFF	UTILITY ADJUSTMENT C MANAGEMENT			Sub-Total: Ed 6/Rev 0	\$1,116,550.00	40.00%	\$446,620.00	\$1,563,170.00	
G10P1 G10P2	Traffic Management Maintenance of Traffic Control Measures	-	lump sum	\$576,000.00 \$118,000.00	\$576,000.00 \$118,000.00		\$172,800.00 \$35,400.00	\$748,800.00 \$153,400.00	
G10P2 G10P3 G10	Maintenance or traint Control Measures Routine maintenance of Existing Roadways TRAFFIC MANAGEMENT		lump sum lump sum	\$118,000.00 \$28,850.00 Sub-Total:	\$28,850.00 \$722,850.00	30%	\$8,655.00 \$216,855.00	\$37,505.00 \$939,705.00	
G36 - ENVIRO	ONMENTAL PROTECTION			Ed 4/Rev 3					
G36P1 G36P1.1	Building Condition Inspections Residential (Item with provisional quantity)	4	each	\$975.00	\$3,900.00	30%	\$1,170.00	\$5,070.00	
G36P2 G36P4 G36P4.1	CEMP Site Monitoring Air Quality		lump sum	\$35,050.00	\$35,050.00	30%	\$10,515.00	\$45,565.00	
G36P4.2 G36P4.3	Noise Ground Vibration		lump sum lump sum	\$5,760.00 \$6,930.00	\$5,760.00 \$6,930.00	30% 30%	\$1,728.00 \$2,079.00	\$7,488.00 \$9,009.00	
G36 G38 - SOIL A	ENVIRONMENTAL PROTECTION ND WATER MANAGEMENT			Sub-Total: Ed 2/Rev 2	\$51,640.00	30.00%	\$15,492.00	\$67,132.00	
G38P1	Soil and Water Management Control Measures								
G38P1.1 G38P1.2 G38P2	Establishment of Soil and Water Management Control Measures Maintenance of Soil and Water Management Control Measures Site Water Quality Monitoring	52	lump sum week lump sum	\$78,150.00 \$610.00 \$38,300.00	\$78,150.00 \$31,720.00 \$38,300.00	30%	\$23,445.00 \$9,516.00 \$11,490.00	\$101,595.00 \$41,236.00 \$49,790.00	
G38	SOIL AND WATER MANAGEMENT	-	rump sum	Sub-Total:	\$148,170.00		\$44,451.00	\$192,621.00	
	ING AND GRUBBING			Ed 1/Rev 1					Based on overall footprint of pavement and batters, including allowances for future
G40P1 G40P2	Clearing and Grubbing Stockpiling of Mulch (Item with provisional quantity)	- 1,116	lump sum m3	\$23,250.00 \$9.90	\$23,250.00 \$11,048.40		\$6,975.00 \$3,315.00	\$30,225.00 \$14,363.40	construction boundary. An allownce of 10% of Heavy Clearing to the whole Clearing and Grubbing footprint,
G40P4 G40P4.1	Removal of Built Structures Removal of Redundant Kerbs and Gutters	182	m	\$33.50	\$6,097.00	30%	\$1,829.00	\$7,926.00	with an allowance of 455 m3/ha to work out the Qty.
G40P4.2 G40	Removal of Redundant Pavement CLEARING AND GRUBBING	630	m3	\$54.50 Sub-Total:	\$34,335.00 \$74,730.40		\$10,301.00 \$22,420.00	\$44,636.00 \$97,150.40	
	WATER DRAINAGE & RIP RAP			Ed 5/Rev 0					
R11P1 R11P1.1 R11P2	Open Drains Excavation for Open Drains Excavation for Stormwater Drainage Structures	250	m3	\$27.50	\$6,875.00	25%	\$1,719.00	\$8,594.00	Excludes Rock Excavation.
R11P2 (a) R11P3	Excavation for Sport Duringe Structures Excavation for Pipe Culvers Inadequate Foundation Material under Drainage Structures and Open Drains (Item with provisional quantity)	250 40	m3 m3	\$30.00 \$69.50	\$7,500.00 \$2,780.00		\$1,875.00 \$695.00	\$9,375.00 \$3,475.00	Excludes Rock Excavation.
R11P5 R11P5.1	Precast Concrete and Fibre-reinforced Concrete Pipes 375 Diameter - Class 4 - Rubber Ring Joint	56	m	\$210.00	\$11,760.00		\$2,940.00	\$14,700.00	Qtt provided by GHD
R11P5.2 R11P5.3 <i>R11P7</i>	600 Diameter - Class 4 - Rubber Ring Joint 750 Diameter - Class 4 - Rubber Ring Joint Drainage Structures Other Than Pipes and Box Culverts	60 31	m m	\$335.00 \$465.00	\$20,100.00 \$14,415.00		\$5,025.00 \$3,604.00	\$25,125.00 \$18,019.00	Qty provided by GHD
R11P7.1 R11P7.2 R11P7.3	375mm Headwall 75mm Headwall	8 2 2	each	\$1,300.00 \$1,540.00	\$10,400.00 \$3,080.00 \$3,880.00	25%	\$2,600.00 \$770.00 \$970.00	\$13,000.00 \$3,850.00	Qty provided by GHD Qty provided by GHD
R11P9 R11	Souri readwaii Scour Protection STORMWATER DRAINAGE	8	each m3	\$1,940.00 \$320.00 Sub-Total:	\$2,560.00 \$83,350.00	25%	\$640.00 \$20,838.00	\$4,850.00 \$3,200.00 \$104,188.00	Qty provided by GHD Allowance to each of the Headwalls
R15 - KERBS	AND GUTTERS			Ed 4/Rev 2					
R15P1	Kerbs and Gutters								A qty of 182m to replace SO Kerb that is demolished as part of the widening, plus an
R15P1.1 R15P2	Type SO No Fines Concrete Under Kerbs	262 60	m m3	\$96.00 \$330.00	\$25,152.00 \$19,800.00		\$6,288.00 \$4,950.00	\$31,440.00 \$24,750.00	allowance of 4 x 20m sections to run water away from the propose Bridge Parapets.
R15	KERBS AND GUTTERS			Sub-Total:	\$44,952.00		\$11,238.00	\$56,190.00	
R33 - TRENCI	H DRAINS Excavation	360	m3	Ed 4/Rev 2 \$51.50	\$18,540.00	25%	\$4,635.00	\$23,175.00	
R33P2 R33P2.1	Drainage Pipe 100 mm dia Corrugated Perforated Plastic Drainage Pipe	2,000	m	\$11.50	\$23,000.00		\$5,750.00	\$28,750.00	Qty provided by GHD
R33P3 R33P3.1 R33P4	Filter Material Aggregate Filter Material Supply and Installation of Geotextile	360 4,200	m3 m2	\$130.00 \$3.70	\$46,800.00 \$15,540.00		\$11,700.00 \$3,885.00	\$58,500.00 \$19,425.00	
R33 R44 - EARTH	TRENCH DRAINS	1,200	m ₂	Sub-Total:	\$103,880.00		\$25,970.00	\$129,850.00	
R44 - EARTH	Topsoil			Ed 5/Rev 0					
R44P1.1 R44P1.2	Removal, Stockpiling and/ or On Site Disposal of Non-contaminated Topsoil Removal and Disposal Off Site of Topsoil (Bank Volumes) (Item with Provisional Quantity)	11,170 3,543	m3 m3	\$15.50 \$17.50	\$173,135.00 \$62,002.50	25%	\$43,284.00 \$15,501.00	\$216,419.00 \$77,503.50	
R44P2 R44P3 R44P4	General Earthworks (Cut/Fill) Imported or Borrowed Material (other than Selected Material, Verge Material and Foundation Treatment Material) Unsuitable Material (Item with Provisional Quantity)	12,759 149,362 2,100	m3 m3 m3	\$15.50 \$40.00 \$48.50	\$197,764.50 \$5,974,480.00 \$101,850.00	25%	\$49,441.00 \$1,493,620.00 \$25,463.00	\$247,205.50 \$7,468,100.00 \$127,313.00	Qty provided by GHD
R44P5 R44P5.2	Selected Material Zone and Verge Selected Material Zone - Imported Material	7,740	m3	\$79.50	\$615,330.00	25%	\$153,833.00	\$769,163.00	
R44P5.4 <i>R44P7</i> R44P7.1	Verge - Imported Material Foundation Treatments Treatment Type E1 - Lossen and Recompact	1,470 58,000	m3 m2	\$90.00 \$1.30	\$132,300.00 \$75,400.00		\$33,075.00 \$18,850.00	\$165,375.00 \$94,250.00	
R44P7.2 R44P8	Treatment Type CI - Loosen and Recompact Identification, Treatment and Disposal Off Site of Contaminated Material	11,900	m2	\$1.30	\$15,470.00		\$3,868.00	\$19,338.00	
R44P8.2	Other Contaminated Material EARTHWORKS	-	provisional sum	\$10,000.00 Sub-Total:	\$10,000.00 \$7,357,732.00		\$2,500.00 \$1,839,435.00	\$12,500.00 \$9,197,167.00	Provisional sum for unknown contaminates located at Rest Bay/Truck Stop that is to be demolished.
	RUCTION OF UNBOUND AND MODIFIED PAVEMENT COURSE			Ed 4/Rev 1	\$1,551,752100		+1,000,10000	9,13,110,100	
R71P1 R71P2	Supply and Place Subbase Supply and Place Base	163 233	m3 m3	\$115.00 \$130.00	\$18,745.00 \$30,290.00		\$5,624.00 \$9,087.00	\$24,369.00 \$39,377.00	
R71	SUPPLY MAY HAVE TOO THE OWN THE STATE OF THE			Sub-Total: Ed 3/Rev 7	\$49,035.00		\$14,711.00	\$63,746.00	
R82P1 R82P2	Supply and Place Concrete in Subbase Finish and Cure Subbase	3,989 20,454	m3 m2	\$265.00 \$4.60	\$1,057,085.00 \$94,088.40		\$317,126.00 \$28,227.00	\$1,374,211.00 \$122,315.40	
R82P3 R82	Surface De/bonding Treatment LEAN-MIX CONCRETE SUBBASE	20,454	m2	\$5.10 Sub-Total:	\$104,315.40 \$1,255,488.80		\$31,295.00 \$376,648.00	\$135,610.40 \$1,632,136.80	
	MILLING OF ROAD PAVEMENT MATERIALS			Ed 3/Rev 0					
R101P1 R101P1.1	Milling to Specified Depth of Cut Milling to 30mm Depth of Cut Milling to 50mm Depth of Cut	210	m2	\$12.00 \$10.50	\$2,520.00 \$2,457.00		\$756.00 \$737.00	\$3,276.00 \$3,104.00	Interface area between Hume Highway and the proposed On and Off Ramps
R101P1.2 R101P1.3 R101	Milling to 50mm Depth of Cut Milling to 125mm Depth of Cut COLD MILLING OF ROAD PAVEMENT MATERIALS	126 126	m2 m2	\$19.50 \$22.50 Sub-Total:	\$2,457.00 \$2,835.00 \$7,812.00	30%	\$737.00 \$851.00 \$2,344.00	\$3,194.00 \$3,686.00 \$10,156.00	
	ED BITUMINOUS SURFACING (WITH CUTBACK BITUMEN)			Ed 4/Rev 1		-			
R106P2 R106P5	Supply and Spray Binder - Class 170 Bitumen (including Adhesion Agent where required and Preparation of Surface) Supply, Incorporate and Spray Cutter Oil in Binder	28,000 560	litre cold litre	\$2.50 \$2.30	\$70,000.00 \$1,288.00	30%	\$21,000.00 \$386.00	\$91,000.00 \$1,674.00	
R106P6 R106P7	Supply, Incorporate and Spray Flux Oil in Binder Supply, Precoat, Apply and Incorporate Aggregate 7 mm Aggregate (procoated)	6	cold litre	\$2.10	\$12.60	30%	\$4.00	\$16.60	
R106P7.2 R106P7.3 R106P7.4	10 mm Aggregate (precoated) 14 mm Aggregate (precoated)	8 170 11	m3 m3 m3	\$395.00 \$325.00 \$330.00	\$3,160.00 \$55,250.00 \$3,630.00	30% 30%	\$948.00 \$16,575.00 \$1,089.00	\$4,108.00 \$71,825.00 \$4,719.00	
R106	SPRAYED BITUMINOUS SURFACING (WITH CUTBACK BITUMEN)			Sub-Total:	\$133,340.60		\$40,002.00	\$173,342.60	

	Description of work	Quantity	Unit	Rate	Amount %	Contingency Value	Amount	MIE Comments
R116 - HEAVY	DUTY DENSE GRADED ASPHALT	=		Ed 8/Rev 4	70	value	Amount	MIE Comments
R116P1	Supply and Application of Tack Coat (Including Preparation of Surface)	15,700	litre	\$2.90	\$45,530.00 30%	\$13,659.00	\$59,189.00	
2116P3 2116P3.3	Heavy Duty Dense Asphalt in Intermediate Courses 20 mm Nominal Size							
116P3.3.1	20 mm Nominal Size, 125 mm thick (AR450)	20,580	m2	\$75.00	\$1,543,500.00 30%	\$463,050.00	\$2,006,550.00	The Rate reflects design having 2 la
R116P4 R116P4.4	Heavy Duty Dense Asphalt In Wearing Course 14 mm Nominal Size							
R116P4.4.1 R116	14 mm Nominal Size, 50 mm thick (A15E) HEAVY DUTY DENSE GRADED ASPHALT	20,580	m2	\$33.50 Sub-Total:	\$689,430.00 30% \$2,278,460.00 30.00%	\$206,829.00 \$683,538.00	\$896,259.00 \$2,961,998.00	
R119 - OPEN G	RADED ASPHALT			Ed 1/Rev 2				
R119P1	Supply and Application of Tackcoat (Including Preparation of surface)	5,216	litre	\$2.90	\$15,126.40 30%	\$4,538.00	\$19,664.40	
R119P2 R119P2.2	Open Graded Asphalt in Wearing Course 14 mm Nominal Size, 30mm deep	1,473	t	\$265.00	\$390,345.00 30%	\$117,104.00	\$507,449.00	
R119	OPEN GRADED ASPHALT	-,		Sub-Total:	\$405,471.40 30.00%	\$121,642.00	\$527,113.40	
R131 - GUIDE I	POSTS			Ed 4/Rev 1				
R131P1 R131P2	Supply and Installation of Guide Posts Removal of Existing Guide Posts	64	each	\$32.00	\$2,048.00 25% \$64.00 25%	\$512.00 \$16.00	\$2,560.00	Measured qty from drawings crossmatched with Google M Measured qty from drawings crossmatched with Google M
R131P2	GUIDE POSTS	4	each	\$16.00 Sub-Total:	\$2,112.00 25.00%	\$528.00	\$80.00 \$2,640.00	Measured dty from drawings crossmatched with Google is
R132 - SAFETY	BARRIER SYSTEMS			Ed 3/Rev 3				
1132P1	Removal of Safety Barriers	230	m	\$17.50	\$4,025.00 25%	\$1,006.00	\$5,031.00	Measured qty from drawings crossmatched with Google M
R132P2 R <i>132P3</i>	Removal of End Treatments and Transitions Construction of Post and Rail Safety Barriers	6	each	\$445.00	\$2,670.00 25%	\$668.00	\$3,338.00	Measured qty from drawings crossmatched with Google M
R132P3.1 R132P8	Near side (single sided) post and rail barriers Construction of End Treatments	2,470	m	\$255.00	\$629,850.00 25%	\$157,463.00	\$787,313.00	Qty provided by G
R132P8.1 R132P8.2	Melt	11 1	each	\$3,710.00 \$33,150.00	\$40,810.00 25% \$33,150.00 25%	\$10,203.00 \$8,288.00	\$51,013.00 \$41,438.00	Qty provided by Gl
132P9	Crash Cushion Construction of Transitions	4	each each	\$2,020.00	\$8,080.00 25%	\$2,020.00	\$10,100.00	Qty provided by G Qty provided by G
R132	SAFETY BARRIER SYSTEMS			Sub-Total:	\$718,585.00 25.00%	\$179,648.00	\$898,233.00	
R141 - PAVEM	ENT MARKING			Ed 6/Rev 6				
R <i>141P1</i> R141P1.1	Water Borne Paint - Longitudinal Lines BB	770	m	\$1.40	\$1,078.00 25%	\$270.00	\$1,348.00	Measured from drawin
141P1.2	Cl	420	m	\$1.20	\$504.04 25%	\$126.00	\$630.04	Measured from drawi
141P1.3 141P1.4	EI E3	3,275 1,192	m m	\$1.20 \$1.20	\$3,930.00 25% \$1,430.40 25%	\$983.00 \$358.00	\$4,913.00 \$1,788.40	Measured from drawi Measured from drawi
141P13 R141	Removal of Longitudinal Linemarkings, Transverse Lines and Other Symbols PAVEMENT MARKING	63	m2	\$58.50 Sub-Total:	\$3,685.50 25% \$10,627.94 25.01%	\$921.00 \$2,658.00	\$4,606.50 \$13,285.94	Measured from drawing
	REFLECTIVE RAISED PAVEMENT MARKERS			Ed 4/Rev 6				
142P2	Installation of Retroreflective Raised Pavement Markers	303	each	\$7.60	\$2,302.80 25%	\$576.00	\$2,878.80	Measured from drawi
R142P3 R142	Removal of Retroreflective Raised Pavement Markers (Item with provisional quantity) RETROREFLECTIVE RAISED PAVEMENT MARKERS	20	each	\$2.40 Sub-Total:	\$48.00 25% \$2,350.80 25.01%	\$12.00 \$588.00	\$60.00 \$2,938.80	Measured from drawing
R143 - SIGNPO	OSTING			Ed 5/Rev 0				
R143P1	Removal, Modification and Relocation of Existing Signs							
2143P1.2 2143P1.2.1	Relocation (Without Modification) of Existing Signs Small	9		\$560.00	\$4,480.00 25%	\$1,120.00	\$5,600.00	Out and describes a social day of
R143P1.2.2	misc	8 8	each each	\$560.00	\$4,480.00 25%	\$1,120.00	\$5,600.00	Qty and descripton provided by G Qty and descripton provided by G
R143P2	Supply and Installation of New Signs							
R143P2.1	New Signs with Standard CHS Post Support Structure							Type and Qty provided by G
R <i>143P2.1</i> R143P2.1.1	New Signs with Standard CHS Post Support Structure D4-6C	4	each	\$420.00 \$740.00	\$1,680.00 25% \$1,480.00 25%	\$420.00 \$370.00	\$2,100.00 \$1,850.00	Type and Qty provided by C
R143P2.1 R143P2.1.1 R143P2.1.2 R143P2.1.3	New Signs with Standard CHS Post Support Structure D4-6C G2-1 G2-3	4 2 2	each each	\$740.00 \$850.00	\$1,480.00 25% \$1,700.00 25%	\$370.00 \$425.00	\$1,850.00 \$2,125.00	Type and Qty provided by C
R143P2.1 R143P2.1.1 R143P2.1.2 R143P2.1.3 R143P2.1.4	New Signs with Standard CHS Post Support Structure D4-6C G2-1	-	each	\$740.00	\$1,480.00 25%	\$370.00	\$1,850.00	Type and Qty provided by C
R143P2.1 R143P2.1.1 R143P2.1.2 R143P2.1.3 R143P2.1.4 R143P2.1.5 R143P2.1.6	New Signs with Standard CHS Post Support Structure D4-6C G2-1 G2-3 G8-1-1A G9-18 GE2-1-3	2	each each each each	\$740.00 \$850.00 \$365.00 \$400.00 \$2,880.00	\$1,480.00 25% \$1,700.00 25% \$730.00 25% \$400.00 25% \$5,760.00 25%	\$370.00 \$425.00 \$183.00 \$100.00 \$1,440.00	\$1,850.00 \$2,125.00 \$913.00 \$500.00 \$7,200.00	Type and Qty provided by C
R143P2.1 R143P2.1.1 R143P2.1.2 R143P2.1.3 R143P2.1.4 R143P2.1.5 R143P2.1.6 R143P2.1.7 R143P2.1.7	New Signs with Standard CHS Post Support Structure D4-6C (22-1 (22-3 (88-1-1A (99-18 (GE2-1-3 GE2-3 GE9-2	2	each each each each each each	\$740.00 \$850.00 \$365.00 \$400.00 \$2,880.00 \$2,870.00	\$1,480.00 25% \$1,700.00 25% \$730.00 25% \$400.00 25% \$5,760.00 25% \$2,870.00 25% \$2,870.00 25%	\$370.00 \$425.00 \$183.00 \$100.00 \$1,440.00 \$718.00	\$1,850.00 \$2,125.00 \$913.00 \$500.00 \$7,200.00 \$3,588.00 \$3,588.00	Type and Qty provided by C
R143P2.1 R143P2.1.1 R143P2.1.2 R143P2.1.3 R143P2.1.4 R143P2.1.5 R143P2.1.6 R143P2.1.6 R143P2.1.7 R143P2.1.8	New Signs with Standard CHS Post Support Structure D4-6C G2-1 G2-3 G8-1-1A G9-18 GE2-1-3 GE2-3	2	each each each each each each each	\$740.00 \$850.00 \$365.00 \$400.00 \$2,880.00 \$2,870.00	\$1,480.00 25% \$1,700.00 25% \$730.00 25% \$400.00 25% \$5,760.00 25% \$2,870.00 25%	\$370.00 \$425.00 \$183.00 \$100.00 \$1,440.00 \$718.00	\$1,850.00 \$2,125.00 \$913.00 \$500.00 \$7,200.00 \$3,588.00	Type and Qty provided by C
R143P2.1 R143P2.1.1 R143P2.1.2 R143P2.1.3 R143P2.1.5 R143P2.1.6 R143P2.1.6 R143P2.1.7 R143P2.1.8 R143P2.1.9	New Signs with Standard CHS Post Support Structure D4-6C G2-1 G2-3 G8-1-1A G9-18 GE2-1-3 GE2-3 GE2-3 GE-9-2 R2-15 R2-3(L) R4-1-110	2 2 1 2 1 1 2 1 1 2	each each each each each each each each	\$740.00 \$850.00 \$365.00 \$400.00 \$2,880.00 \$2,870.00 \$2,870.00 \$375.00 \$405.00	\$1,480,00 25% \$1,700,00 25% \$730,00 25% \$400,00 25% \$5,760,00 25% \$2,870,00 25% \$2,870,00 25% \$750,00 25% \$405,00 25% \$405,00 25%	\$370.00 \$425.00 \$183.00 \$100.00 \$1,440.00 \$718.00 \$118.00 \$101.00	\$1,850.00 \$2,125.00 \$913.00 \$500.00 \$7,200.00 \$3,588.00 \$35,88.00 \$938.00 \$506.00	Type and Qty provided by G
R143P2.1 R143P2.1.1 R143P2.1.2 R143P2.1.2 R143P2.1.4 R143P2.1.5 R143P2.1.6 R143P2.1.7 R143P2.1.9 R143P2.1.10 R143P2.1.11 R143P2.1.11	New Signs with Standard CHS Post Support Structure D4-6C (22-1 (22-3 (38-1-1A (99-18 (3E2-1-3 (3E2-1-3 (3E2-1-3 (3E2-1-3 (3E2-1-1	2	each each each each each each each each	\$740.00 \$850.00 \$365.00 \$400.00 \$2,880.00 \$2,870.00 \$3,870.00 \$405.00 \$405.00 \$405.00 \$355.00	\$1,480.00 25% \$1,700.00 25% \$730.00 25% \$400.00 25% \$5,760.00 25% \$2,870.00 25% \$2,870.00 25% \$750.00 25% \$405.00 25% \$405.00 25% \$405.00 25% \$4,050.00 25% \$4,050.00 25%	\$370.00 \$425.00 \$183.00 \$100.00 \$1,440.00 \$718.00 \$718.00 \$188.00 \$101.00 \$1,013.00 \$266.00	\$1,850.00 \$2,125.00 \$913.00 \$500.00 \$7,200.00 \$3,588.00 \$35,88.00 \$506.00 \$506.00 \$5,063.00 \$1,331.00	Type and Qty provided by G
2143P2.1. 1143P2.1.1 1143P2.1.2 1143P2.1.3 1143P2.1.4 1143P2.1.5 1143P2.1.6 1143P2.1.7 1143P2.1.9 1143P2.1.10 1143P2.1.11 1143P2.1.11 1143P2.1.11	New Signs with Standard CHS Post Support Structure D4-6C G2-1 G2-3 G8-1-1A G9-18 G12-1-3 G12-3 G12-2 R2-15 R2-3(L) R4-1-110 R4-1-60 R7-2 W1-3	2 2 1 2 1 1 2 1 1 2	each each each each each each each each	\$740.00 \$850.00 \$365.00 \$400.00 \$2,870.00 \$2,870.00 \$375.00 \$405.00 \$405.00	\$1,480,00 25% \$1,700,00 25% \$730,00 25% \$400,00 25% \$5,760,00 25% \$2,870,00 25% \$2,870,00 25% \$405,00 25% \$405,00 25% \$4,050,00 25% \$4,050,00 25% \$1,065,00 25% \$4,350,00 25%	\$370.00 \$425.00 \$183.00 \$1183.00 \$1100.00 \$1,440.00 \$718.00 \$718.00 \$1181.00 \$101.00 \$101.00 \$1,013.00 \$266.00 \$108.00	\$1,850.00 \$2,125.00 \$913.00 \$500.00 \$7,200.00 \$3,588.00 \$3,588.00 \$506.00 \$5,063.00 \$1,331.00 \$5,388.00	Type and Qty provided by G
2143P2.1 1143P2.1.1 1143P2.1.2 1143P2.1.3 1143P2.1.3 1143P2.1.6 1143P2.1.6 1143P2.1.6 1143P2.1.7 1143P2.1.1 1143P2.1.1 1143P2.1.11 1143P2.1.11 1143P2.1.11	New Signs with Standard CHS Post Support Structure D4-6C G2-1 G2-3 G8-1-1A G9-18 G12-3 G12-3 G12-3 G12-3 G12-3 G12-3 G12-3 U1-3 U1-3 U1-3 U1-3 U1-3 U1-3 U1-3 U1	2 2 1 2 1 1 2 1 1 2	each each each each each each each each	\$740.00 \$850.00 \$365.00 \$400.00 \$2,880.00 \$2,870.00 \$375.00 \$405.00 \$405.00 \$405.00 \$435.50 \$430.00 \$430.00	\$1,480,00 25% \$1,700,00 25% \$730,00 25% \$400,00 25% \$5,760,00 25% \$2,870,00 25% \$2,870,00 25% \$405,00 25% \$405,00 25% \$405,00 25% \$4,050,00 25%	\$370.00 \$425.00 \$183.00 \$1183.00 \$1100.00 \$1,440.00 \$718.00 \$718.00 \$1101.00 \$1101.00 \$1,013.00 \$266.00 \$108.00 \$215.00 \$108.00	\$1,850.00 \$2,125.00 \$913.00 \$500.00 \$7,200.00 \$3,588.00 \$3,588.00 \$506.00 \$5,063.00 \$1,331.00 \$1,075.00 \$1,075.00	Type and Qty provided by C
RIASP2.1. RIASP2.1.2 RIASP2.1.3 RIASP2.1.3 RIASP2.1.3 RIASP2.1.4 RIASP2.1.5 RIASP2.1.5 RIASP2.1.6 RIASP2.1.7 RIASP2.1.7 RIASP2.1.10 RIASP2.1.10 RIASP2.1.11 RIASP2.1.12 RIASP2.1.13 RIASP2.1.13 RIASP2.1.14 RIASP2.1.15 RIASP2.1.15 RIASP2.1.16 RIASP2.1.16 RIASP2.1.16 RIASP2.1.17 RIASP2.1.17 RIASP2.1.16 RIASP2.1.16 RIASP2.1.16 RIASP2.1.16 RIASP2.1.17 RIASP2.1.17 RIASP2.1.17 RIASP2.1.17 RIASP2.1.18	New Signs with Standard CHS Post Support Structure D4-6C G2-1 G2-3 G8-1-1A G9-18 G12-1-3 G12-3 G12-3 G12-3 G12-3 G12-3 U1-3 W1-3(L) W1-3(L) W2-2002 W2-202 W3-14	2 2 1 2 1 1 2 1 1 2	each each each each each each each each	\$740.00 \$850.00 \$365.00 \$400.00 \$2,880.00 \$2,870.00 \$2,870.00 \$405.00 \$405.00 \$405.00 \$435.00 \$430.00 \$430.00 \$430.00	\$1,480.00 25% \$1,700.00 25% \$730.00 25% \$400.00 25% \$5,760.00 25% \$2,870.00 25% \$2,870.00 25% \$405.00 25% \$405.00 25% \$405.00 25% \$405.00 25% \$4,050.00 25% \$4,050.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430	\$370.00 \$425.00 \$183.00 \$1183.00 \$1100.00 \$1,440.00 \$718.00 \$718.00 \$101.00 \$101.00 \$101.00 \$1,013.00 \$2266.00 \$108.00 \$215.00 \$108.00 \$323.00	\$1,850.00 \$2,125.00 \$913.00 \$500.00 \$7,200.00 \$3,588.00 \$3,588.00 \$506.00 \$5,063.00 \$1,331.00 \$538.00 \$1,075.00 \$538.00 \$538.00	Type and Qty provided by G
1/43/2_1 1/43/2_1_1 1/43/2_1_1 1/43/2_1_1 1/43/2_1_1 1/43/2_1_1 1/43/2_1_1 1/43/2_1_1 1/43/2_1_1 1/43/2_1_1 1/43/2_1_1 1/43/2_1_1 1/43/2_1_1 1/43/2_1_1 1/43/2_1_1 1/43/2_1_1 1/43/2_1_1 1/43/2_1_1 1/43/2_1_1 1/43/2_1_1 1/43/2_1_1 1/43/2_1_1 1/43/2_1_1 1/43/2_1_1 1/43/2_1_1 1/43/2_1_1 1/43/2_1_1	New Signs with Standard CHS Post Support Structure D4-6C G2-1 G2-3 G8-1-1A G9-18 GE2-1-3 GE2-3 GE-9-2 F2-15 F2-3(L) R4-1-110 R4-1-60 R7-2 W1-3 W1-3(L) W2-2002 W2-202	2 2 1 2 1 1 2 1 1 2	each each each each each each each each	\$740.00 \$850.00 \$365.00 \$400.00 \$2,880.00 \$2,870.00 \$375.00 \$405.00 \$405.00 \$355.00 \$430.00 \$430.00 \$430.00	\$1,480,00 25% \$1,700,00 25% \$730,00 25% \$400,00 25% \$5,760,00 25% \$2,870,00 25% \$2,870,00 25% \$405,00 25% \$405,00 25% \$4,050,00 25% \$1,065,00 25% \$4,050,00 25% \$43,000 25% \$43,000 25% \$43,000 25% \$43,000 25% \$43,000 25% \$43,000 25% \$43,000 25%	\$370.00 \$425.00 \$183.00 \$183.00 \$1,00.00 \$1,440.00 \$718.00 \$718.00 \$101.00 \$101.00 \$101.00 \$101.50 \$101.50 \$101.50 \$108.00 \$108.00 \$108.00 \$108.00	\$1,850.00 \$2,125.00 \$913.00 \$500.00 \$7,200.00 \$3,588.00 \$3,588.00 \$506.00 \$506.00 \$1,331.00 \$1,075.00 \$538.00	Type and Qty provided by G
1/43/2_1 (1/43/2_1,1 (1/43/2_1,1 (1/43/2_1,1 (1/43/2_1,1 (1/43/2_1,1 (1/43/2_1,1 (1/43/2_1,1 (1/43/2_1,1 (1/43/2_1,1 (1/43/2_1,1 (1/43/2_1,1 (1/43/2_1,1 (1/43/2_1,1 (1/43/2_1,1 (1/43/2_1,1 (1/43/2_1,1 (1/43/2_1,1 (1/43/2_1,1 (1/43/2_1,1 (1/43/2_1,1 (1/43/2_1,1 (1/43/2_1,1 (1/43/2_1,1)	New Signs with Standard CHS Post Support Structure D4-6C G2-1 G2-3 G8-1-1A G9-18 G12-1-3 G12-3 G12-2 G2-3 G15-9-2 R2-15 R2-3(L) R4-1-110 R4-1-60 R7-2 W1-3 W1-3(L) W2-2002 W2-202 W5-344 W5-344(L)	2 2 1 2 1 1 2 1 1 2	each each each each each each each each	\$740.00 \$850.00 \$365.00 \$400.00 \$2,880.00 \$2,870.00 \$2,870.00 \$375.00 \$405.00 \$405.00 \$405.00 \$430.00 \$430.00 \$430.00 \$430.00 \$430.00 \$430.00	\$1,480,00 25% \$1,700,00 25% \$1,700,00 25% \$400,00 25% \$5,760,00 25% \$2,870,00 25% \$2,870,00 25% \$405,00 25% \$405,00 25% \$405,00 25% \$4,050,00 25% \$4,050,00 25% \$430,00 25% \$860,00 25% \$430,00 25% \$430,00 25% \$430,00 25% \$430,00 25% \$430,00 25% \$430,00 25% \$430,00 25% \$430,00 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17.45/2_1, 17.45/2_1, 17.45/2_1, 17.45/2_1,	New Signs with Standard CHS Post Support Structure D4-6C G2-1 G2-3 G8-1-1A G9-18 GE2-1-3 GE2-3 GE-9-2 R2-15 R2-3(L) R4-1-110 R4-1-60 R7-2 W1-3 W1-3(L) W2-2002 W2-202 W5-14 W5-34(L) W8-2 SIGNPOSTING	2 2 1 2 1 1 1 2 1 1 10 3 1 2 1 1 3 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 2 1 2 1 2 1 2 1 2 2 1 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	each each each each each each each each	\$740.00 \$850.00 \$365.00 \$400.00 \$2,880.00 \$2,880.00 \$2,870.00 \$2,870.00 \$405.00 \$405.00 \$405.00 \$4405.00 \$430.00 \$430.00 \$430.00 \$430.00 \$430.00 \$430.00 \$450.00 \$450.00 \$450.00 \$450.00 \$450.00 \$450.00	\$1,480.00 25% \$1,700.00 25% \$730.00 25% \$400.00 25% \$5,760.00 25% \$2,870.00 25% \$2,870.00 25% \$405.00 25% \$405.00 25% \$405.00 25% \$405.00 25% \$4,050.00 25% \$4,050.00 25% \$4,050.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$3,1,290.00 25% \$430.00 25% \$3,1,290.00 25% \$3,1,290.00 25% \$3,1,290.00 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\$323.00 \$108.00 \$323.00 \$108.00 \$323.00 \$108.00	\$1,850.00 \$2,125.00 \$913.00 \$500.00 \$7,200.00 \$3,588.00 \$3,588.00 \$506.00 \$5,063.00 \$1,331.00 \$538.00 \$1,075.00 \$538.00 \$1,075.00 \$538.00 \$1,475.00 \$1,475.00 \$1,475.00 \$1,475.00 \$1,475.00	Type and Qty provided by G
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1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/4	New Signs with Standard CHS Post Support Structure D4-6C G2-1 G2-3 G8-1-1A G9-18 G12-3 G13-3 G14-1-10 R4-1-60 R7-2 W1-3 W1-3(1) W2-2002 W2-202 W2-202 W2-302 W2-302 W3-14 W5-34(L) W3-2 SIGNPOSTING ATTON Spraying Weeds with Herbicide Topsoiling Using Site Material Including Surface Preparation and Screening of Topsoil Stockpiles Areas steeper than 5 to 1 except stepped batters.	2 2 1 2 1 1 2 1 1 1 0 3 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	each each each each each each each each	\$740.00 \$850.00 \$365.00 \$400.00 \$2,880.00 \$2,870.00 \$2,870.00 \$375.00 \$405.00 \$405.00 \$405.00 \$430.00 \$430.00 \$430.00 \$430.00 \$430.00 \$430.00 \$440.00 \$440.00 \$440.00 \$440.00 \$440.00	\$1,480.00 25% \$1,700.00 25% \$730.00 25% \$400.00 25% \$5,760.00 25% \$2,870.00 25% \$2,870.00 25% \$405.00 25% \$405.00 25% \$405.00 25% \$405.00 25% \$405.00 25% \$430.00 25% \$430.00 25% 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Areas steeper than 5 to 1 except steeper than 5 to 1.	2 2 2 1 1 2 2 1 1 1 2 1 1 1 1 1 1 1 1 1	each each each each each each each each	\$740.00 \$850.00 \$365.00 \$400.00 \$2,880.00 \$2,870.00 \$2,870.00 \$2,870.00 \$405.00 \$405.00 \$405.00 \$4405.00 \$430.00 \$430.00 \$430.00 \$430.00 \$430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 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RI-43P2_1 RI-43P	New Signs with Standard CHS Post Support Structure D4-6C G2-1 G2-3 G8-1-1A G9-18 GE2-1-3 GE2-3 GE-9-2 R2-15 R2-3(L) R4-1-10 R4-1-60 R7-2 W1-3 W1-3(L) W2-2002 W2-202 W3-14 W3-34(L) W8-2 SIGNPOSTING ATION Spraying Weeds with Herbicide Topsoilling Using Site Material Including Surface Preparation and Screening of Topsoil Stockpiles Areas with a slope of 5 to 1 or flatter. Areas steeper than 5 to 1 except stepped batters. Hydromulching Turfing for Slopes and Open Drain Areas Open drains and areas with gradient steeper than 5 to 1. VEGETATION CAPE PLANTING Landscape Planting Subcontract	2 2 2 1 1 2 2 1 1 1 2 1 1 1 1 1 1 1 1 1	each each each each each each each each	\$740.00 \$850.00 \$365.00 \$365.00 \$400.00 \$2,880.00 \$2,870.00 \$2,870.00 \$32,870.00 \$375.00 \$405.00 \$405.00 \$405.00 \$430.00 \$430.00 \$430.00 \$430.00 \$430.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.00 \$540.	\$1,480.00 25% \$1,700.00 25% \$730.00 25% \$400.00 25% \$2,870.00 25% \$2,870.00 25% \$2,870.00 25% \$405.00 25% \$405.00 25% \$405.00 25% \$405.00 25% \$405.00 25% \$405.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$1,290.00 25% \$37,795.00 25.00% \$37,795.00 25.00% \$25,100.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25,112.00 25% \$25% \$25,112.00 25% \$25% \$25,112.00 25% \$25% \$25% \$25% \$25% \$25% \$25% \$25%	\$370.00 \$425.00 \$183.00 \$1183.00 \$110.00 \$1,440.00 \$718.00 \$718.00 \$718.00 \$110.00 \$101.00 \$101.00 \$1,013.00 \$2266.00 \$108.00 \$215.00 \$108.00 \$215.00 \$108.00 \$2323.00 \$108.00 \$233.00 \$108.00 \$243.00 \$108.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00	\$1,850.00 \$2,125.00 \$913.00 \$500.00 \$7200.00 \$3,588.00 \$33,588.00 \$33,588.00 \$536.00 \$5,063.00 \$5,063.00 \$5,063.00 \$5,1,313.00 \$5,38.00 \$1,1613.00 \$5,38.00 \$1,1613.00 \$5,38.00 \$1,1613.00 \$5,38.00 \$1,1613.00 \$5,38.00 \$1,1613.00 \$5,38.00 \$1,1613.00 \$5,38.00 \$1,1613.00 \$5,38.00 \$1,1613.00 \$5,38.00 \$1,1613.00 \$5,38.00 \$1,1613.00 \$5,100.00 \$47,248.00	Type and Qty provided by G
1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/43/2_1 1/4	New Signs with Standard CHS Post Support Structure D4-6C G2-1 G2-3 G8-1-1A G9-18 GE2-1-3 GE2-3 GE9-2 R2-15 R2-3(L) R4-1-10 R4-1-60 R7-2 W1-3 W1-3(L) W2-2002 W2-202 W3-14 W3-34(L) W8-2 SIGNPOSTING ATION Spraying Weeds with Herbicide Topsoilling Using Site Material Including Surface Preparation and Screening of Topsoil Stockpiles Areas with a slope of 5 to 1 or flatter. Areas steeper than 5 to 1 except stepped batters. Hydromulching Turfing for Slopes and Open Drain Areas Open drains and areas with gradient steeper than 5 to 1. VEGETATION CAPE PLANTING Landscape Planting Subcontract LANDSCAPE PLANTING	2 2 2 1 1 2 2 1 1 1 2 1 1 1 1 1 1 1 1 1	each each each each each each each each	\$740.00 \$850.00 \$365.00 \$400.00 \$2,880.00 \$2,880.00 \$2,870.00 \$2,870.00 \$405.00 \$405.00 \$405.00 \$405.00 \$430.00 \$430.00 \$430.00 \$430.00 \$430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$5430.00 \$55.60 \$56.20 \$50.70 \$512.00 \$512.00 \$512.00 \$512.00 \$512.00 \$512.00 \$512.00 \$512.00	\$1,480.00 25% \$1,700.00 25% \$730.00 25% \$400.00 25% \$5,760.00 25% \$2,870.00 25% \$2,870.00 25% \$405.00 25% \$405.00 25% \$405.00 25% \$405.00 25% \$405.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$430.00 25% \$330.00 25% \$330.00 25% \$330.00 25% \$31,200.00 25% \$37,795.00 25.01% \$37,444.60 25% \$177,217.60 25% \$265,360.00 25% \$25,112.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20 25% \$51,12.20	\$370.00 \$425.00 \$183.00 \$1183.00 \$1100.00 \$11440.00 \$718.00 \$718.00 \$1101.00 \$1101.00 \$1101.00 \$101.00 \$101.00 \$125.00 \$108.00 \$225.00 \$108.00 \$225.00 \$108.00 \$323.00 \$108.00 \$323.00 \$108.00 \$323.00 \$108.00 \$323.00 \$108.00	\$1,850.00 \$2,125.00 \$913.00 \$500.00 \$7,200.00 \$3,588.00 \$3,588.00 \$506.00 \$5,063.00 \$1,313.100 \$538.00 \$1,075.00 \$1,131.00 \$538.00 \$1,000.00 \$47,248.00 \$231,700.00 \$65,140.20 \$15,150.00	Type and Qty provided by G
RI-43P2_1.1 RI-43P	New Signs with Standard CHS Post Support Structure D4-6C G2-1 G2-3 G8-1-1A G9-18 GE2-1-3 GE2-3 GE-9-2 R2-15 R2-3(L) R4-1-10 R4-1-60 R7-2 W1-3 W1-3(L) W2-2002 W2-202 W2-202 W2-202 W2-302 W3-14 W5-34(L) W8-2 SIGNPOSTING ATION Spraying Weeds with Herbicide Topsoilling Using Site Material Including Surface Preparation and Screening of Topsoil Stockpiles Areas with a slope of 5 to 1 or flatter. Areas steeper than 5 to 1 except steeped batters. Hydromulching Turfing for Slopes and Open Drain Areas Open drains and areas with gradient steeper than 5 to 1. VEGETATION CAPE PLANTING Landscape Planting Subcontract LANDSCAPE PLANTING	74,446 31,646 42,800 74,446	each each each each each each each each	\$740.00 \$850.00 \$850.00 \$365.00 \$400.00 \$2,880.00 \$2,870.00 \$2,870.00 \$405.00 \$405.00 \$405.00 \$405.00 \$4405.00 \$430.00 \$430.00 \$430.00 \$430.00 \$430.00 \$5355.00 \$430.00 \$5355.00 \$5355.00 \$5400.00 \$5400.00 \$5400.00 \$5400.00 \$55.60 \$66.20 \$50.70 \$12.00 \$51.40 \$50.10 \$55.60 \$66.20 \$50.70 \$12.00 \$51.40 \$50.70 \$12.00 \$51.40 \$50.70 \$12.00 \$51.40 \$50.70 \$51.40 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 \$50.70 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25% \$13,450.00 25% \$13,450.00 25%	\$370.00 \$425.00 \$183.00 \$1183.00 \$1100.00 \$11440.00 \$718.00 \$718.00 \$1188.00 \$1101.00 \$1101.00 \$1101.00 \$1,013.00 \$266.00 \$108.00 \$215.00 \$108.00 \$323.00 \$108.00 \$323.00 \$108.00 \$323.00 \$108.00 \$323.00 \$108.00 \$323.00 \$108.00 \$323.00 \$108.00 \$323.00 \$108.00 \$323.00 \$108.00 \$323.00 \$108.00 \$323.00 \$33.30.00 \$13.028.00 \$33.303.00 \$13.028.00 \$33.363.00	\$1,850.00 \$2,125.00 \$913.00 \$500.00 \$7,200.00 \$3,588.00 \$3,588.00 \$506.00 \$5,063.00 \$1,331.00 \$5,388.00 \$1,075.00 \$1,31.00 \$538.00 \$1,075.00 \$538.00 \$1,075.00 \$538.00 \$1,075.00 \$538.00 \$1,075.00 \$538.00 \$1,075.00 \$538.00 \$1,075.00 \$538.00 \$1,075.00 \$538.00 \$1,075.00 \$538.00 \$1,075.00 \$538.00 \$1,000.00 \$1,075.00 \$1,000.00 \$1,000.00 \$1,000.00 \$1,000.00 \$1,000.00 \$1,000.00 \$1,000.00 \$1,000.00 \$1,000.00 \$1,000.00 \$1,000.00 \$1,000.00 \$1,000.00 \$1,000.00 \$1,000.00 \$1,000.00 \$1,000.00 \$1,000.00 \$1,000.00 \$1,000.00 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Areas steeper than 5 to 1 except steepped batters. Hydromulching Turfing for Slopes and Open Drain Areas Open drains and areas with gradient steeper than 5 to 1. VPGGETATION CAPE PLANTING Landscape Planting Subcontract LANDSCAPE PLANTING IG Rural Fencing - Wire	74,446 31,646 42,800 74,446 1,010	each each each each each each each each	\$740.00 \$850.00 \$850.00 \$365.00 \$400.00 \$2,880.00 \$2,870.00 \$2,870.00 \$375.00 \$405.00 \$405.00 \$405.00 \$405.00 \$430.00 \$430.00 \$430.00 \$430.00 \$430.00 \$430.00 \$5355.60 \$6.20 \$0.10 \$55.60 \$6.20 \$0.70 \$12.00 \$ub-Total: Ed 1/Rev 2 \$13,450.00 \$ub-Total: Ed 4/Rev 2 \$53.2.50	\$1,480.00 25% \$1,700.00 25% \$730.00 25% \$400.00 25% \$400.00 25% \$5,760.00 25% \$2,870.00 25% \$2,870.00 25% \$405.00 25% \$405.00 25% \$405.00 25% \$405.00 25% \$405.00 25% \$4,050.00 25% \$4,050.00 25% \$430.00 25% \$430.00 25% \$330.00 25% \$337,795.00 25% \$31,795.00 25% \$31,795.00 25% \$31,795.00 25% \$31,795.00 25% \$31,795.00 25% \$31,795.00 25% \$31,795.00 25% \$31,795.00 25% \$31,795.00 25% \$31,795.00 25% \$31,795.00 25% \$31,795.00 25% \$31,795.00 25% \$31,795.00 25% \$31,795.00 25% \$31,450.00 25% \$31,450.00 25% \$31,450.00 25%	\$370.00 \$425.00 \$183.00 \$1183.00 \$1100.00 \$1,440.00 \$718.00 \$718.00 \$718.00 \$101.00 \$101.00 \$101.00 \$1,013.00 \$2266.00 \$108.00 \$215.00 \$108.00 \$215.00 \$108.00 \$2215.00 \$108.00 \$2323.00 \$108.00 \$323.00 \$108.00 \$233.00 \$108.00 \$23.00 \$200.00 \$23.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00 \$200.00	\$1,850.00 \$2,125.00 \$913.00 \$500.00 \$7,200.00 \$3,588.00 \$3,588.00 \$506.00 \$5,063.00 \$5,063.00 \$1,331.00 \$538.00 \$1,075.00 \$538.00 \$1,075.00 \$538.00 \$1,075.00 \$538.00 \$1,075.00 \$538.00 \$1,075.00 \$538.00 \$1,075.00 \$538.00 \$1,075.00 \$538.00 \$1,075.00 \$538.00 \$1,075.00 \$538.00 \$1,075.00 \$538.00 \$1,075.00 \$538.00 \$1,075.00 \$1,075.00 \$1,075.00 \$1,075.00 \$1,075.00 \$1,075.00 \$1,075.00 \$1,075.00 \$1,075.00 \$1,075.00 \$1,075.00 \$1,075.00 \$1,075.00 \$1,075.00 \$1,075.00 \$1,075.00 \$1,075.00 \$1,075.00 \$1,075.00	Type and Qty provided by Gi

MANAGEMENT ENGINEERING ENVIRONMENT Estimate Basis Guideline		Pre Feasibility Study			
		+/-30%			
		+/-25%		Estimate	Accuracy
		+/-20%	Feasibility Study		
		+/-15%			
		+/-10%		Definitive Study	
		17-1076			Control Budget
		+/-0%	T 0	T 0	T 4
Type of Estimate		Type 1 "Order of	Type 2	Type 3	Type 4
		Magnitude"	"Feasibility"	"Definitive"	"Control"
Purpose of Estimate		Options Comparison	Economic Feasibility Study	Commitment & Funding Approval	Project Budget Confirmation
			s	ite	
	Location	Assumed	Preliminary	Optimised	Confirmed
	Maps & Surveys	Nil	Preliminary	Detail	Final
	Geotech Data	Nil	Preliminary	Advanced	Confirmed
	Site Visits	Maybe	Desirable	Essential	Mobilised
		Process			
	Plant Capacity	Assumed	Preliminary	Final	Optimised
	Energy & Material Balances	Estimated	Advanced	Optimised	Confirmed
	Process Flow Sheets	Assumed	Decided	Optimised	Confirmed
		Engineering			
	Scope of Work Status	Conceptual	Probable	Confirmed	Complete & Signed Off
	Equipment Selection	Assumed	Preliminary	Optimised	Confirmed
	General Arrangements	Nil	Outline	Detail	Confirmed
	Piping & Electrical Drawings	Nil	Preliminary Single Line	Detail Single Line	Detailed
	Detailed Design Drawings	Nil	Nil	Some	15% Complete
	Specifications	Nil	Preliminary	Advanced	Final
	Status of Engineering Completion	<1%	1% to 5%	up to 10%	+15%
Basis of Estimate		Environmental & Safety Consent Conditions			
	Status of EIS	Assumed	EIS part complete	EIS approved	Complied
	Safety Plan	Assumed	Preliminary	High Level Hazop	Detailed Hazop
	Constructability	Assumed	Preliminary	High Level Analysis	Detailed Analysis
		Execution Plan			
	Schedule	Bar line	Bar line	Detailed Detailed	In Place & Operational
	Procedures & Controls	Assumed	Preliminary Capital C	Basis Agreed	In Place & Operational
	Cost Approach	Capital Cost Status Factoring and Preliminary Detailed QTO & Contractor Optimised Pricing			
	Major Equipment	Historical Costs	QTO Single Source	Pricing Multiple Source	Optimised Tenders or
	Mechanical, Piping & Instrumentation	Factoring	Preliminary Takeoff	Detail Takeoff or	Let Contracts Tenders
	Civil, Structural Work	Rough Quantities,	Preliminary Takeoff	Contractor Pricing Detail Takeoff or	Tenders
	Electrical Work	\$ per unit volume \$ per KW	Preliminary Takeoff	Contractor Pricing Detail Takeoff or	Tenders
	Indirects	Factoring	Preliminary Calculation	Contractor Pricing Detailed Analysis	Optimised
		g		Features	
	Allowance for Growth	up to 30%	15% to 25%	10% to 15%	<10%
	Accuracy (90% Probability)	+/-30%	+/-25% to 15%	+/-15% to 10%	better than 10%
	Relative Cost of Study	X	5X to 10X	25X to 100X	varies

ATTACHMENT C - MWS QUOTATION



ABN 48 165 523 044

To: MR GREG LEGHISSA & FROM: JAMES MURPHY

MR STEPHEN HALLINAN

COMPANY: HI-QUALITY – MENANGLE PARK

DATE: Thursday, 1 December 2016

EMAIL ADDRESS: gleghissa@hiquality.com.au Stephen@hiquality.com.au Total Pgs: 1 OF 11

SUBJECT: SALES QUOTATION #350 REF: JM/ki

Greg & Stephen,

Please find attached our sales quotation for the supply of the following machines for your perusal and consideration:

- One only new Terex Washing Systems Aggresand 206 3 Deck 1 Sand
- One only new Terex Washing Systems Coarse Prewash System
- One only new Terex Washing System H12 Extended Add-In Feeder
- One only new Terex Washing Systems TC5036 Add-In Conveyor
- One only new Terex Washing Systems Fine Prewash System
- Four only new Terex Washing Systems Fresh Water Pumps
- Plant wiring by Terex Washing Systems Electricians
- One only new Terex Washing Systems 20' MCC Switch Room
- Two only new Matec Dirty Water Receiving Tank
- > Two only new Matec Vertical Slurry Pump
- One only new Matec Stainless Steel Thickener Silo
- One only new Matec Filter Press 1500x1500 / 170 TT2 Fast
- One only new Matec Stainless Steel Clean Water Tank 100,000 Litre Capacity

If you require any further information regarding these machines, please do not hesitate to contact me directly on my mobile 0488 164 842.

Regards,

J.Muprhy

James Murphy Mineral Washing Systems Sales Engineer



DATE: 01/12/2016

ABN 48 165 523 044 Our Ref: JM/kj

HI-QUALITY MENANGLE PARK QUOTE NO.: 350

ATT: MR GREG LEGHISSA & MR STEPHEN HALLINAN

ONE ONLY NEW 2017 MODEL TEREX WASHING SYSTEMS AGGRESAND 206 3 DECK, 1 SAND FEATURING:

MAIN FEED CONVEYOR:

- 2 x 11kW Dual Drive Motor c/w Anti-Roll Back
- 1050mm wide belt
- 21m conveyor length

AGGREGRATE SCREEN BOX:

- 6.0 x1.8m (20'x6') Screening Area
- Three Deck Rinser Screen
- 22kW drive motor
- Two bearing, spring mounted box
- Rubber lined discharge lip
- Rubber lined wash box
- Ten (10) Isolated Spraybars Top & Middle decks, Eight (8) Bottom Deck fitted with plastic nozzles

AGGREGRATE SCREEN BOX CHUTES:

- Blending Rolling chutes, rubber lined (Top-Mid, Mid-Bottom)
- Single grade catch box, rubber lined
- Rubber lined discharge chutes

SAND PLANT:

- Pumps: 1 x 250/200 rubber lined slurry pump
- Cyclones: 2 x 660mm diameter rubber lined
- De-Watering Screen: 14' x 6' (4.3m x 1.8m) c/w Polyurethane Modular decks, 500 micron aperture
- Sump Tank: Single grade feed (inc. Single grade lined discharge chute)
- Sump Tank: Overflow side to be advised

WALKWAYS:

- All round walkway
- Sand Plant walkway

OPTIONAL EQUIPMENT INCLUDED IN MACHINE PRICE:

- Feeder removed
- Main Feed Conveyor Hydraulic Raise / Lower for screen access Manual Pump
- PU Matts top, middle and bottom decks
- Sand Plant: De-Watering Screen Spray Bars fitted
- Conveyors: Aggregate Mid-Size Conveyor Short Transfer Conveyor
- Conveyors: Aggregate Mid-Overs Conveyor Short Transfer Conveyor
- Conveyors: Aggregate Top-Overs Conveyor Conveyor Removed
- Conveyors: Sand Conveyor removed. Extended chutes only
- Electrical Control System Radio Control System
- Water Flowmeter
- 2 x lighting tower (c/w 4 x 80W LED floodlights)
- NSO modified catch box for blending to FM120C
- NSO fresh water supply ring main & 4 x gate valves
- NSO Control Panel, HMI and Electrical wiring loom removed
- NSO Prewash on/off operation linked to Aggresand HMI

PRICE EX- SYDNEY PORT PLUS 10% GST

\$ 852,000.00 \$ 85,200.00

Exclusions: fresh water and waste water pipework to and from plant, all onsite crane hire, all civil works, labour and fixing materials to secure plant structures to concrete slab, genset, all electrical wiring and installation (Unless otherwise stated), travel and accommodation for MWS employees for site assembly and commissioning.

Inclusions: labour for site assembly and commissioning of plant quoted.

**PAYMENT TERMS: 1. THE PURCHASER MUST PROVIDE A COPY OF ITS UNCONDITONAL FINANCE APPROVAL VALID FOR THE DELIVERY PERIOD AT THE ACCEPTANCE OF THE QUOTE & PAYMENT OF THE DEPOSIT. WHERE APPLICABLE AN IRREVOCABLE LETTER OF CREDIT MAY BE REQURED TO SECURE THE FINANCE & PAYMENT PERIOD.

2. A NON-REFUNDABLE DEPOST WITH BALANCE PAYABLE UPON ARRIVAL OF GOODS TO SYDNEY PORT.**

QUOTE TO BE READ IN CONJUNCTION WITH MWS SALE TERMS & CONDITIONS

PRIVATE & CONFIDENTIAL NOT FOR THIRD PARTY USE

The Purchaser agrees that on acceptance of this quote, the equipment described above remains the property of MWS until the agreed purchase price is paid in full. The purchaser hereby irrevocably authorise MWS to enter upon its premises or site where the equipment is located in order to retake possession of the equipment in the event of non-payment of the full purchase price. This quotation or its contents is not to be disclosed in part or full to any third party. This quote is supplied in good faith and intended only for use by the addressee. Disclosure of any kind may result in legal action.

FOR: MINERAL WASHING SYSTEMS PTY LTD

Delivery dates quoted are those ruling at time of quotation.



> ABN 48 165 523 044 Our Ref: JM/kj

HI-QUALITY MENANGLE PARK QUOTE NO.: 350 DATE: 01/12/2016

ATT: MR GREG LEGHISSA & MR STEPHEN HALLINAN

ONE ONLY NEW 2017 MODEL TEREX WASHING SYSTEMS COARSE PREWASH SYSTEM FEATURING:

REGULATION TANK:

- 4.5m Conical sump

PUMP:

- 250/200 slurry pump c/c 55kW motor

SEPERATOR:

- 2 off standard HK200 dewatering cyclones / Separators

STRUCTURE & PIPEWORK:

- Twin Structure Over Sump Tank for Separators
- Flexible Pipework to and from Aggresand

PRICE EX-SYDNEY PORT PLUS 10% GST

\$ 195,000.00 \$ 19,500.00

ONE ONLY NEW 2017 MODEL TEREX WASHING SYSTEMS H-12 FEEDER STANDALONE FEATURING:

REJECT GRID:

- Bofor steel grid c/w remote control tipping grid mechanism (includes hydraulic cylinders and hoses)
- Grid aperture: 100mm (4")

FEED CONVEYOR:

- Hydraulic driven variable speed belt feeder
- Heavy Duty 3 ply 5 + 2 covers / 1050mm (42")
- 12³ capacity hopper

DRIVE MECHANISM

- Electric-Hydraulic powerpack IE3 37kW (50HP) (suitable for both tipping and vibrating grids)
- Wired isolators

OPTIONAL EQUIPMENT INCLUDED IN MACHINE PRICE:

- Feeder - Vertical hopper extension 700mm (28") c/w breaker bars

PRICE EX-SYDNEY PORT \$ 101,500.00
PLUS 10% GST \$ 10,150.00

Exclusions: fresh water and waste water pipework to and from plant, all onsite crane hire, all civil works, labour and fixing materials to secure plant structures to concrete slab, genset, all electrical wiring and installation (Unless otherwise stated), travel and accommodation for MWS employees for site assembly and commissioning.

Inclusions: labour for site assembly and commissioning of plant quoted.

**PAYMENT TERMS: 1. THE PURCHASER MUST PROVIDE A COPY OF ITS UNCONDITONAL FINANCE APPROVAL VALID FOR THE DELIVERY PERIOD AT THE ACCEPTANCE OF THE QUOTE & PAYMENT OF THE DEPOSIT. WHERE APPLICABLE AN IRREVOCABLE LETTER OF CREDIT MAY BE REQURED TO SECURE THE FINANCE & PAYMENT PERIOD.

2. A NON-REFUNDABLE DEPOST WITH BALANCE PAYABLE UPON ARRIVAL OF GOODS TO SYDNEY PORT.**

QUOTE TO BE READ IN CONJUNCTION WITH MWS SALE TERMS & CONDITIONS

PRIVATE & CONFIDENTIAL NOT FOR THIRD PARTY USE

The Purchaser agrees that on acceptance of this quote, the equipment described above remains the property of MWS until the agreed purchase price is paid in full. The purchaser hereby irrevocably authorise MWS to enter upon its premises or site where the equipment is located in order to retake possession of the equipment in the event of non-payment of the full purchase price. This quotation or its contents is not to be disclosed in part or full to any third party. This quote is supplied in good faith and intended only for use by the addressee. Disclosure of any kind may result in legal action.

FOR: MINERAL WASHING SYSTEMS PTY LTD

Delivery dates quoted are those ruling at time of quotation.



ABN 48 165 523 044

HI-QUALITY MENANGLE PARK QUOTE NO.: 350 DATE: 01/12/2016 Our Ref: JM/kj

ATT: MR GREG LEGHISSA & MR STEPHEN HALLINAN

ONE ONLY NEW 2017 MODEL TEREX WASHING SYSTEMS TC5036 ADD-IN CONVEYOR FEATURING:

FFFDBOOT:

Feedboot with pivot stand and detachable towbar

CONVEYOR:

- 900mm (36") 2 ply 3+1.5 covers
- Rosta tensioned belt cleaner
- Hydraulic height adjustment
- 60° rollers

POWERUNIT:

- Coupling machine (no powerunit)
- Hydraulic oil, Century 46

CHASSIS:

Radial non braking

MACHINE SAFETY ASPECTS:

- Nip point guarding
- External conveyor adjustment
- Remote greasing
- 7 second engine start delay & siren (Diesel hydraulic machines only)
- Engine (emergency) stops (Diesel hydraulic machines only)
 OPTIONAL EQUIPMENT INCLUDED IN MACHINE PRICE:

- Powerunit All electric direct drive gearbox c/w isolators 15kW (20HP)
- Miscellaneous Transfer chute

PRICE EX- SYDNEY PORT 39,500.00 **PLUS 10% GST** 3,950.00

Exclusions: fresh water and waste water pipework to and from plant, all onsite crane hire, all civil works, labour and fixing materials to secure plant structures to concrete slab, genset, all electrical wiring and installation (Unless otherwise stated), travel and accommodation for MWS employees for site assembly and commissioning.

Inclusions: labour for site assembly and commissioning of plant quoted.

PAYMENT TERMS: 1. THE PURCHASER MUST PROVIDE A COPY OF ITS UNCONDITONAL FINANCE APPROVAL VALID FOR THE DELIVERY PERIOD AT THE ACCEPTANCE OF THE QUOTE & PAYMENT OF THE DEPOSIT. WHERE APPLICABLE AN IRREVOCABLE LETTER OF CREDIT MAY BE REQURED TO SECURE THE FINANCE & PAYMENT PERIOD. 2. A NON-REFUNDABLE DEPOST WITH BALANCE PAYABLE UPON ARRIVAL OF GOODS TO SYDNEY PORT. **QUOTE TO BE READ IN CONJUNCTION WITH MWS SALE TERMS & CONDITIONS**

PRIVATE & CONFIDENTIAL NOT FOR THIRD PARTY USE

The Purchaser agrees that on acceptance of this quote, the equipment described above remains the property of MWS until the agreed purchase price is paid in full. The purchaser hereby irrevocably authorise MWS to enter upon its premises or site where the equipment is located in order to retake possession of the equipment in the event of non-payment of the full purchase price. This quotation or its contents is not to be disclosed in part or full to any third party. This quote is supplied in good faith and intended only for use by the addressee. Disclosure of any kind may result in legal action.

FOR: MINERAL WASHING SYSTEMS PTY LTD

Delivery dates quoted are those ruling at time of quotation.K.Jones



ABN 48 165 523 044

HI-QUALITY MENANGLE PARK QUOTE NO.: 350 DATE: 01/12/2016 Our Ref: JM/kj

ATT: MR GREG LEGHISSA & MR STEPHEN HALLINAN

ONE ONLY NEW 2017 MODEL TEREX WASHING SYSTEMS FINE PREWASH SYSTEM FEATURING:

REGULATION TANK:

- 3.6m Conical sump

PLUS 10% GST

PUMP:

- 200/150 slurry pump c/c 37kW motor SEPERATOR:

- 1 off standard HK200 dewatering cyclone / Separator

STRUCTURE & PIPEWORK:

- Separator Tower Structure - FW pipework distribution Ringmain

PRICE EX-SYDNEY PORT

\$ 160.000.00 \$ 16,000.00

FOUR ONLY NEW 2017 MODEL TEREX WASHING SYSTEMS FRESH WATER PUMPS FEATURING:

- 1 of Fresh Water Pump to supply Aggresand only

(400m3/hr) 200/150, 45kW - 1 of Fresh Water Pump c/w VSD to supply Coarse Prewash only (560m3/hr) 200/150, 75kW

- 1 of Fresh Water Pump to supply Fines Prewash only - 1 of Fresh Water Pump to supply FM120C only

(535m3/hr) 200/150, 75kW (350m3/hr) 200/150, 30kW

- Full PLC Controls and individual Starters for each pump

PRICE EX-SYDNEY PORT \$ 181,000.00 **PLUS 10% GST** \$ 18,100.00

FULL EQUIPMENT PLC DESIGN, INSTALL AND COMMISSIONING BY TEREX WASHING SYSTEMS FEATURING:

- Power, Sensor and safety wiring carried out by Terex Washing Systems electricians
- Electrical components & wiring to meet AS 3007 Electrical Equipment in Mines and Quarries
- Bespoke HMI and PLC Control Design by Electrical Engineers
- Plant Commissioning by Terex Electrical Engineer
- Travel & Accommodation

PRICE EX-SYDNEY PORT 93,000.00 PLUS 10% GST 9,300.00

Exclusions: fresh water and waste water pipework to and from plant, all onsite crane hire, all civil works, labour and fixing materials to secure plant structures to concrete slab, genset, all electrical wiring and installation (Unless otherwise stated), travel and accommodation for MWS employees for site assembly and commissioning.

Inclusions: labour for site assembly and commissioning of plant quoted.

PAYMENT TERMS: 1. THE PURCHASER MUST PROVIDE A COPY OF ITS UNCONDITONAL FINANCE APPROVAL VALID FOR THE DELIVERY PERIOD AT THE ACCEPTANCE OF THE QUOTE & PAYMENT OF THE DEPOSIT. WHERE APPLICABLE AN IRREVOCABLE LETTER OF CREDIT MAY BE REQURED TO SECURE THE FINANCE & PAYMENT PERIOD. 2. A NON-REFUNDABLE DEPOST WITH BALANCE PAYABLE UPON ARRIVAL OF GOODS TO SYDNEY PORT. **QUOTE TO BE READ IN CONJUNCTION WITH MWS SALE TERMS & CONDITIONS**

PRIVATE & CONFIDENTIAL NOT FOR THIRD PARTY USE

The Purchaser agrees that on acceptance of this quote, the equipment described above remains the property of MWS until the agreed purchase price is paid in full. The purchaser hereby irrevocably authorise MWS to enter upon its premises or site where the equipment is located in order to retake possession of the equipment in the event of non-payment of the full purchase price. This quotation or its contents is not to be disclosed in part or full to any third party. This quote is supplied in good faith and intended only for use by the addressee. Disclosure of any kind may result in legal action.

FOR: MINERAL WASHING SYSTEMS PTY LTD

Delivery dates quoted are those ruling at time of quotation.K.Jones



DATE: 01/12/2016

ABN 48 165 523 044 Our Ref: JM/kj

HI-QUALITY MENANGLE PARK QUOTE NO.: 350

ATT: MR GREG LEGHISSA & MR STEPHEN HALLINAN

ONE ONLY NEW 2017 MODEL TEREX WASHING SYSTEMS MCC SWITCH ROOM FEATURING:

20FT CONTAINER

- 20' New Build Container
- Painted TWS Colours
- Insulated with 50mm EPS Panel
- Floor/Side Wall Cable Entry Penetrations and Gland Plates
- Personal Access Door on side of container
- 5kw Split System AC
- Cable Tray
- Window for natural light

PLC CONTROLS INCLUDED IN PRICE:

CUSTOMER SUPPLIED FEEDER

- Feeder Belt (50kW c/w VSD)

AGGRESAND

- Main feed conveyor x 2
- Screen box
- Slurry Pump
- Dewatering Screen x 2
- Bottom-Overs Transfer Conveyor
- Bottom-Overs Stockpile Conveyor
- Mid-Overs Transfer Conveyor
- Mid-Overs Stockpile Conveyor

CUSTOMER SUPPLIED SAND STOCKPILER

- Sand Conveyor (38kW Softstart)
- Radial Drive (7.5kW DOL)
- Angle Adjustment (5kW DOL)

COARSE SAND PREWASH

- Prewash Slurry Pump

- ADD-IN SYSTEM
 Hydraulic Power Pack Feeder
- Hydraulic Cooler Feeder
- Add-In Conveyor
- FINE SAND PREWASH
- Prewash Slurry Pump

FINESMASTER 120C

- Slurry Pump
- Dewatering Screen x 2
- Fine Sand Stockpiler (7.5kW)

SAFETY CONATCTOR

1300 Amp Safety Contactor

PRICE EX-SYDNEY PORT PLUS 10% GST

\$ 101,000.00 \$ 10,100.00

Exclusions: fresh water and waste water pipework to and from plant, all onsite crane hire, all civil works, labour and fixing materials to secure plant structures to concrete slab, genset, all electrical wiring and installation (Unless otherwise stated), travel and accommodation for MWS employees for site assembly and commissioning.

Inclusions: labour for site assembly and commissioning of plant quoted.

**PAYMENT TERMS: 1. THE PURCHASER MUST PROVIDE A COPY OF ITS UNCONDITONAL FINANCE APPROVAL VALID FOR THE DELIVERY PERIOD AT THE ACCEPTANCE OF THE QUOTE & PAYMENT OF THE DEPOSIT. WHERE APPLICABLE AN IRREVOCABLE LETTER OF CREDIT MAY BE REQURED TO SECURE THE FINANCE & PAYMENT PERIOD.

2. A NON-REFUNDABLE DEPOST WITH BALANCE PAYABLE UPON ARRIVAL OF GOODS TO SYDNEY PORT.**

QUOTE TO BE READ IN CONJUNCTION WITH MWS SALE TERMS & CONDITIONS

PRIVATE & CONFIDENTIAL NOT FOR THIRD PARTY USE

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FOR: MINERAL WASHING SYSTEMS PTY LTD

Delivery dates quoted are those ruling at time of quotation.



ABN 48 165 523 044

QUOTE NO.: 350 DATE: 01/12/2016 **HI-QUALITY MENANGLE PARK** Our Ref: JM/kj

ATT: MR GREG LEGHISSA & MR STEPHEN HALLINAN

TWO ONLY NEW 2017 MODEL MATEC STAINLESS STEEL DIRTY WATER RECEIVING TANK - 20,000 LITRE CAPACITY:

- 3.5m Diameter Stainless Steel Construction

- 2.0m High

PRICE EX- SYDNEY PORT 98,000,00 PLUS 10% GST 9,800.00

TWO ONLY NEW 2017 MODEL MATEC VERTICAL SLURRY PUMP - 1700 m3/hr CAPACITY:

PRICE EX-SYDNEY PORT 66,000,00 **PLUS 10% GST** 6,600.00

ONE ONLY NEW 2017 MODEL MATEC STAINLESS STEEL THICKENER SILO - 500,000 LITRE CAPACITY FEATURING:

- Density probes in thickener silo walls
- DN200 Manual and automatic valve kit
- Flocculant automatic FAST dosing plant + Doson 6000 litre capacity

\$ 573,500.00 **PRICE EX- SYDNEY PORT** PLUS 10% GST \$ 57,350.00

ONE ONLY NEW 2017 MODEL MATEC FILTER PRESS 1500X1500 / 170 TT2 FAST FEATURING:

- Stainless steel slurry homogenizing tank 10,000 litre capacity
- Filter feeding centrifugal pump mod. 603 AOABDC 37kW with inverter

PRICE EX-SYDNEY PORT \$844,000.00 \$ 84,400.00 PLUS 10% GST

ONE ONLY NEW 2017 MODEL MATEC STAINLESS STEEL CLEAN WATER TANK - 100,000 LITRE CAPACITY:

- 8.0 Meter Diameter Stainless Steel Construction
- 2.2m High
- 4 of Fresh Water Pump outlets

PRICE EX-SYDNEY PORT 85 000 00 8.500.00 PLUS 10% GST

Exclusions: fresh water and waste water pipework to and from plant, all onsite crane hire, all civil works, labour and fixing materials to secure plant structures to concrete slab, genset, all electrical wiring and installation (Unless otherwise stated), travel and accommodation for MWS employees for site assembly and commissioning.

Inclusions: labour for site assembly and commissioning of plant quoted.

PAYMENT TERMS: 1. THE PURCHASER MUST PROVIDE A COPY OF ITS UNCONDITONAL FINANCE APPROVAL VALID FOR THE DELIVERY PERIOD AT THE ACCEPTANCE OF THE QUOTE & PAYMENT OF THE DEPOSIT. WHERE APPLICABLE AN IRREVOCABLE LETTER OF CREDIT MAY BE REQURED TO SECURE THE FINANCE & PAYMENT PERIOD. 2. A NON-REFUNDABLE DEPOST WITH BALANCE PAYABLE UPON ARRIVAL OF GOODS TO SYDNEY PORT. **QUOTE TO BE READ IN CONJUNCTION WITH MWS SALE TERMS & CONDITIONS**

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Delivery dates quoted are those ruling at time of quotation. K.lones FOR: MINERAL WASHING SYSTEMS PTY LTD



ABN 48 165 523 044

TERMS AND CONDITIONS OF CONTRACT MINERAL WASHING SYSTEMS PTY LTD

- **1. DEFINITION**: In these terms and conditions the expression "Mineral" means Mineral Washing Systems Pty Ltd. The expression "the Purchaser" means the person, firm or company obtaining any goods or services from Mineral, and the expression "goods" includes all goods or material of every nature or kind supplied by Mineral or the subject of any transaction between Mineral and the Purchaser, "PPS Act" means the *Personal Property Security Act* 2009 (Cth) and its regulations and "security interest" has the same meaning as in section 12 of the PPS Act.
- **2. APPLICATION**: Every offer, quotation, acceptance or contract for the sale or supply of goods (including services ancillary thereto) by Mineral is subject to these conditions and all other terms and conditions proposed by the Purchaser which would conflict with, qualify or negate any of these terms and conditions are expressly excluded. No variation of or amendment to these conditions shall be valid unless agreed by an authorised officer of Mineral in writing.
- **3. ACCEPTANCE**: All quotations given are subject to confirmation by Mineral in writing upon receipt of the purchaser's order and no contract shall be concluded unless such confirmation is given. Quotations are valid for a period of 30 days only from the date on which the quotation is provided.
- **4. SPECIFICATIONS AND DRAWINGS**: Unless specifically guaranteed in writing by Mineral to the Purchaser, Mineral gives no warranties that the content of any drawings, catalogues, shipping specifications or other similar documents ("ancillary documents") reflect the actual specifications of the Goods. The ancillary documents are provided for information purposes only and Mineral reserves the right to make changes to the ancillary documents at its discretion. Mineral is not under any duty to take account of the Purchaser's specific requirements for the use of the goods.
- **5. PRICES**: The prices quoted or agreed by Mineral are nett ex-works at the date of quotation, and are exclusive of tax, port rates, transportation, insurance, customs duties, licence fees or other charges. They are based upon the cost of goods or materials, labour, transport and maintenance of machinery, valid as at the date on which the price is quoted or agreed. The price may be varied at any time before a delivery of the goods to cover any increased cost to Mineral. All goods will be invoiced and payment will become due at the prices ruling as published or operated by Mineral at the date of delivery. Unless otherwise expressed or agreed, Mineral's quoted prices cover only the supply of goods from its normal stock or production. In any case where a Purchaser requires some different or special goods an extra charge may be made to cover any additional cost.
- **6. TERMS OF PAYMENT: (a)** where goods are for delivery in Australia, the time for payment shall be stated on the face of the invoice nett cash (Australian dollars). Mineral shall be entitled to charge interest at 11% per annum on all payments outstanding after due date (which the Purchaser acknowledges to be a genuine pre-estimate of the loss that it will suffer as a result of late payment). **(b)** Where goods are for delivery outside Australia payment shall be made by irrevocable letter ofcredit confirmed by an Australian Bank approved by Mineral against the usual shipping documents. **(c)** Without prejudice to any of Mineral's other rights under these terms and conditions, if any amount is not paid in accordance with these terms and conditions, Mineral may either suspend all further deliveries of any goods until payment is made in full or cancel any existing orders where the relevant goods have not been delivered.
- 7. TITLE AND RISK (a) The goods will be at the Purchaser's risk from the date the goods leave Mineral's warehouse. In the event that goods are lost or destroyed, the proceeds of any insurance policy held by the Purchaser in respect of any such loss or damage will be deemed to be held by the Purchaser on trust for Mineral until such time as Mineral receives payment in full for the goods. (b) Despite delivery, title in the goods will not pass from Mineral until the Purchaser has paid the price for the goods in full; and (i) no other amounts whatsoever are due to be paid by the Purchaser to Mineral; or (ii) the Purchaser sells the goods to a customer of the Purchaser in the ordinary course of the Purchaser's business. (c) Where the goods are sold by the Purchaser in accordance with clause 7.2(b)(ii), the sale price for those goods, or so much of it as represents the amount payable to Mineral in accordance with these terms and conditions, will be held on trust by the Purchaser for Mineral absolutely until such time as that amount is paid to Mineral. (d) Until title in the goods passes to the Purchaser in accordance with this clause 7, the Purchaser will hold the goods and each of them as bailee for Mineral and the Purchaser will store the goods at no cost to Mineral separately from all other goods in its possession in such a way that they are clearly identifiable as Mineral's property. (e) Until title in the goods passes from Mineral in accordance with this clause 7, the Purchaser will upon request made by or on behalf of Mineral deliver up the goods to Mineral. If the Purchaser fails to do so, Mineral may enter upon any premises owned, occupied or controlled by the Purchaser where the goods are situated (without liability for trespass or any resulting damage) and retake possession of the goods and Mineral may keep or resell those repossessed goods.
- **8. INSPECTION AND TESTING**: Inspection and testing of the goods will be allowed at Mineral's premises before delivery or by agreement with Mineral and an extra charge may be made. If any inspection or testing is so agreed Mineral shall give the Purchaser reasonable notice to attend or be represented at any such test.
- 9. DELIVERY: (i) Delivery shall be ex-works Mineral, and in the event that the Purchaser fails to remove the goods or (if Mineral has agreed to arrange delivery) fails to accept the goods promptly when requested, Mineral shall be entitled (but not bound) to store the goods at the Purchaser's risk and may 30 days after giving written notice to the last known address of the



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Purchaser, dispose of the goods. The Purchaser shall be liable to Mineral for all expenses and/or losses incurred by Mineral, by reason of the Purchaser's failure to remove the goods or otherwise take delivery.

- (ii) As stated in Clause 5, Mineral's prices and quotations do not include delivery, unless such prices or quotations specifically state in writing that delivery costs are included. Mineral will at the Purchaser's request, quote prices inclusive of delivery charges, subject to the following terms and conditions:
- (a) Delivery costs only cover delivery on normal working days during normal working hours. All deliveries made at the Purchaser's request on Public Holidays, Sundays or Saturday Afternoons or at any other time outside normal working hours will be subject to an extra charge.
- **(b)** Subject to sub-clause (c), delivery will be to the nearest accessible point of the Purchaser's site or depot. Included in the delivery cost is work associated with unloading or loading (as the case may be), provided that there will be no unreasonable delay (in respect of which, Mineral reserves the right to charge extra).
- **(c)** Mineral does not undertake to collect or deliver any load over roads or other ground which, in the opinion of Mineral, is unsuitable for Mineral's or its agent's vehicles. If such a vehicle delivers or collects a load to or from a place situated off the public road, Mineral shall not be responsible in any circumstance for any direct, indirect or consequential loss or damage whatsoever, howsoever arising out of such delivery other than by liability for death or personal injury resulting from the negligence of Mineral.
- (d) The Purchaser must notify Mineral and the outside carrier in respect of all claims for damage to the goods in transit, loss or errors in delivery or errors in despatch or invoicing. The notification must occur within the earlier of 7 days or the time limit imposed by the outside carrier. Unless Mineral and the outside carrier are notified in accordance with this clause 9, the goods will be deemed to have been delivered in accordance with the contract and in perfect order and condition, and the Purchaser will be deemed to have accepted the goods accordingly.
- **(e)** Unless specifically agreed otherwise, all packing is charged by Mineral to the Purchaser and is non-refundable. In the event of Mineral agreeing to accept return of any packing, such return must be made within two months from the date of despatch by Mineral failing which the Purchaser shall become liable to pay the cost of the packaging.
- (f) All payments in respect of delivery shall be subject to the terms of payment set out in clause 6.
- 10. DELAY OR FAILURE TO SUPPLY OR DELIVER: Delivery dates may be quoted by Mineral and arrangements for delivery made in accordance with Clause 9. Such dates and arrangements shall be interpreted as estimated only. Without prejudice to the above Mineral shall not be liable for failure to supply or for delay in supplying any goods or loss or damage resulting directly or indirectly from such failure, due to any Act of God, Force Majeure, or any War, Invasion, Riot, Civil Commotion, Criminal Damage, Military or Usurped Power, and Legislation, Government Order, Regulation or direction, Fire, Strike or lock-out or other Labour difficulties affecting Mineral's own plants or those of Mineral's suppliers or deliveries to or from Mineral, or any accident or breakdown of machinery or shortage of labour equipment or spare parts affecting the production or transit of such materials or goods, or from any other cause whatsoever beyond Mineral's control, or any abnormal conditions arising from any of the aforesaid causes.

In the event of any delay due to any such cause the date of delivery or time for completion will be adjusted to reflect the actual length of time as may be necessary to properly reflect the delay. Under no circumstances will Mineral be under any liability to the Purchaser in respect of delay.

- 11. CONDITIONS AND WARRANTIES: (a) Any conditions, warranties, guarantees, or other obligations whatsoever, either express or implied by common law, custom of the trade, course of dealing or otherwise as to any matter will, to the maximum extent permitted by law, be excluded. (b) Where any goods have been specially manufactured, processed, altered or adapted to the special order or requirements of the Purchaser Mineral does not warrant that they are fit for any particular purpose.
- 12. Consumer Law: The Purchaser should be aware that certain legislation including Schedule 2 of the Competition and Consumer Act 2010 ("Consumer Law") has the effect of granting certain rights which cannot be excluded restricted or modified or if they can be restricted or modified such restrictions and modifications may be of a limited nature only. Subject to the qualifications contained in section 64A of the Consumer Law, should Mineral be liable for any breach of a condition, warranty or guarantee implied by Part 3-2 Division 1 of the Consumer Law, to the maximum extent permitted by law, Mineral's liability for such breach shall be limited to:
- (a) in the case of goods, any one of the following as determined by Mineral:
- (i) the replacement of the goods or the supply of equivalent goods; or
- (ii) the repair of the goods; or
- (iii) the payment of the cost of replacing the goods or acquiring equivalent goods; or
- (iv) the payment of the cost of having the goods repaired; and
- (b) in the case of services, any one of the following as determined by Mineral:
- (i) the supplying of the services again; or
- (ii) the payment of the costs of having the services supplied again.
- 13. MANUFACTURERS GUARANTEES: Where any goods supplied by Mineral are not manufactured by Mineral and are the subject of manufacturers terms, guarantees or warranties ("Third Party Warranties"), Mineral will use reasonable endeavours to secure for the Purchaser the benefit of the Third Party Warranties and Mineral's obligations shall not extend any further under any circumstances. In this respect the Purchaser is deemed to have made him/herself familiar with and be satisfied with the Third Party Warranties provided by the relevant manufacturer. To the maximum extent permitted by law,



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Mineral shall be under no liability for defects in goods not manufactured by Mineral save to the extent that Mineral is entitled to recover any loss or damage under the Third Party Warranties.

- **14. EXCLUSION OF LIABILITY: (a)** Without prejudice to clause 12 any liability of Mineral for any breach of contract whatsoever including liability in respect of any defect in the goods arising or quality condition or description of the goods whether from defect of manufacture or otherwise shall be limited to the sum equal to the price of the defective goods or free replacement of any materials or goods, provided Mineral is notified within 48 hours of delivery.
- **(b)** Mineral shall not be under any liability for the negligence of the company, its employees, servants, agents, subcontractor or others except liability for death or personal injury resulting from negligence.
- (c) Mineral shall not be responsible in any circumstances for any direct, indirect or consequential loss or damage whatsoever whether suffered by the Purchaser or any third party and howsoever arising out of the installation or use of goods supplied or work done by Mineral or from any defects in the same or otherwise arising from any contract with Mineral including (without limitation) failure in the performance or the functioning of any equipment or system to which the goods are connected or of which they form part, loss of profit, wastage of goods, loss of machine time or production or wastage of labour.
- (d) To the maximum extent permitted by law, no further provisions will be deemed to be implied into these terms and conditions or will arise by reason of any promise, representation, warranty or undertaking given or made by Mineral. (e) Any provision which is deemed by statute to be incorporated into these terms and conditions, but the operation of which may be lawfully excluded, restricted or modified by agreement between Mineral and the Purchaser is, to the maximum extent permitted, so excluded, restricted or modified.
- 15. SAFETY: The Purchaser undertakes that it will comply and that it will procure that its employees and any other persons working with, on, or near or using any goods supplied by Mineral will comply in full with the instructions and recommendations made in the relevant Operating and Safe Working Hand Book and Service Manual provided by the Manufacturer with such goods, and/or that they will comply with all other instructions whether written or verbal given by Mineral or Manufacturer in connection with the safe use, maintenance and/or operation of the goods.
- **16. CANCELLATION**: No contract for goods ordered, obtained or manufactured by Mineral may be cancelled, and no goods may be returned without the prior written consent of Mineral, which consent may be withheld at Mineral's absolute discretion.
- 17. INSOLVENCY OR DEFAULT: (a) If Mineral receives information from which it appears that the Purchaser may be unable to pay its debts Mineral shall (without prejudice to any other rights, hereunder) be entitled to demand security prior to delivery either by payment in cash or bank guarantee notwithstanding any other terms of payment previously agreed, and in the event that the Purchaser is unable to provide such security Mineral shall be entitled to withdraw from the contract without liability.
- (b) If the Purchaser defaults on any payment, commits a breach of a contract, or of any other of its obligations to Mineral or if any execution shall be levied upon the Purchaser's property or assets, or if the Purchaser shall make or offer any arrangement or composition with its creditors or commit any act of bankruptcy or any petition or receiving order shall be presented or made against it, or if any resolution or petition to wind up the Purchaser's business shall be passed or presented or if a Receiver or Manager of the undertaking property or assets or any part thereof the Purchaser shall be appointed, then Mineral may without notice:
- (i) Suspend or determine the contract or any unfulfilled part thereof without prejudice to its existing rights under these terms and conditions;
- (ii) Stop any goods in transit; and
- (iii) Recover from the Purchaser's premises any goods which are the property of Mineral.
- (c) The Purchaser agrees to indemnify and keep indemnified Mineral against all claims, actions, demands, losses and damages which Mineral may suffer as a result of a breach of these terms and conditions by the Purchaser.
- (d) If the Purchaser breaches these terms and conditions, Mineral may take whatever action against the Purchaser it considers appropriate to recover any direct, indirect or consequential loss, damages or expenses that Mineral has incurred or suffered as a result of that breach.
- **18.** Mineral may assign the benefit of these terms and conditions without the consent of the Purchaser. The Purchaser must not assign the benefit of these terms and conditions without Mineral's prior written consent.
- 19. INTERPRETATION: (a) These terms and conditions are considered to be fair and reasonable having regard to the circumstances known to and in the contemplation of the parties at the date hereof, and shall apply insofar as they shall be held to be lawful and enforceable. But it is hereby agreed that if any of such term and conditions shall be adjudged to be void, but would be valid if any part of the wording thereof were deleted the said term or condition shall be read with such modification as may be necessary to make it valid and effective.
- **20. INDEMNITY:** (a) The Purchaser will indemnify Mineral against all claims of whatsoever kind and from whomsoever arising from death or personal injury arising out of use of the goods by any person.
- (b) The Purchaser will indemnify Mineral against all claims of whatsoever kind and from whomsoever arising for damage to property arising out of any use of goods by any person.
- **21. PPS Act:** These terms and conditions constitute a security agreement for the purposes of the PPS Act and create a Security Interest in all goods previously supplied by Mineral to the Purchaser and all future goods supplied by Mineral to the Purchaser.

Any goods supplied by Mineral under these terms and conditions constitute a Purchase Money Security Interest (PMSI). The PMSI will continue for any goods coming into existence or for the Proceeds from the sale of goods coming into existence.



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If Mineral holds any Security Interest in the goods (including a PMSI), the Purchaser agrees to implement, maintain and comply in all material respects with procedures for the perfection of those Security Interests.

The Purchaser must take all steps under the PPS Act to continuously perfect any such Security Interest, including all steps necessary for Mineral to obtain the highest ranking priority possible in respect of those Security Interests and to reduce as far as possible the risk of a third party acquiring an interest free of Mineral's Security Interests.

The Purchaser waives the right to receive a copy of the verification statement confirming registration of a financing statement or financing change statement relating to any Security Interest under these terms and conditions.

Everything which the Purchaser is required to do under this clause 21 is to be done at the expense of the Purchaser and the Purchaser agrees to reimburse Mineral for these costs including any expenses incurred by Mineral in registering or removing a financing statement or financing change statement on the PPS Register.

The Purchaser must immediately notify Mineral in writing of any change in the Purchaser's name or the goods in which Mineral holds any Security Interest.

Until title passes from Mineral to the Purchaser, the Purchaser will not or will not permit the lodgement of a financing change statement or Amendment Demand or the creation of a Security Interest in the goods without the consent of Mineral.

To the maximum extent permitted by the PPS Act, (a) Mineral does not have to give a notice to the Purchaser of any action Mineral takes in accordance with section 120(2) of the PPS Act (b) Mineral does not have to give a notice under section 130 of the PPS Act (c) Mineral does not have to give the details required under section 132(3)(d) of the PPS Act (d) Mineral does not have to give a written statement of account under section 132(4) of the PPS Act (e) Mineral does not have to give a notice required under section 135 of the PPS Act (f) no person can redeem the Security Interest in the goods under section 142 of the PPS Act without Mineral's consent and (g) no person may reinstate the security agreement under section 143 of the PPS Act without Mineral's consent.

For the purposes of section 275(6) of the PPS Act, the Purchaser must keep confidential any information relating to these terms and conditions which is in the nature of information which an interested person could access under section 275(1) of the PPS Act.

In this clause 21, the following words have the following meanings:

"Amendment Demand" means a demand that a registration of a Security Interest be amended in accordance with the PPS Act.

- "Proceeds" has the same meaning as section 31 of the PPS Act.
- "PPS Act" means the Personal Property Security Act 2009 (Cth) and its regulations.
- "PPS Register" has the same meaning as 'register' under the PPS Act.
- "Purchase Money Security Interest" has the meaning given to it in section 14 of the PPS Act.
- "Security Interest" includes a Security Interest within the meaning of section 12 of the PPS Act and/or a Purchase Money Security Interest as the context requires.
- **22. JURISDICTION**: These terms and conditions are to be subject to and construed in accordance with the law of Queensland and are subject to the exclusive jurisdiction of the Courts of Queensland.
- 23. ENTIRE AGREEMENT: These terms and conditions constitute the entire agreement between the parties and any prior arrangements, agreements, representations or undertakings are superseded.
- 24. AMENDMENTS TO BE IN WRITING: No amendment to these terms and conditions has any force unless it is in writing and signed by all of the parties

ATTACHMENT D – SITE ESTABLISHMENT AND CONSTRUCTION INDICATIVE SITE LAYOUT PLAN

Sutton Forest Sand Quarry Report No. 864/07

