

Our Ref: 1731B/PJ/PJ/AR/011210a

1 December 2010

Scott Franks and Barry McTaggart
Yarrawalk
913 Wollombi Road
Owendale Park
BROKE NSW 2330

Dear Scott and Barry

Re: Tinda Creek Quarry Expansion - Environmental Assessment

1. Introduction

Hy-Tec Concrete & Aggregates (Hy-Tec) operate Tinda Creek, a sand quarry located 70 kilometres north from Windsor along Putty Rd, NSW. Hy-Tec would like to increase production levels from Tinda Creek Quarry from approximately 125,000 tonnes per year to approximately 300,000 tonnes per year and to increase the sand extraction area to possibly include two neighbouring lots (lots 1 and 3 in DP 628806). The final extraction area would be subject to geotechnical and environment assessment and constraints.

The proposed expansion of Tinda Creek Quarry will be a significant change to the existing development and will require a new development application to be lodged. As the proposed changes to the quarry will increase production to over 250,000 tonnes per year and may provide access to a resource of over 5 million tonnes, the development application is likely to be assessed under Part 3A of the *Environmental Planning and Assessment Act 1979*. Under these circumstances the Minister for Planning will be the determining authority for this development application.

2. Notification

As part of the EA process Hy-Tec is required to have a detailed Aboriginal Cultural Heritage and an Archaeological Assessment prepared. As part of the notification process required by the Department of Environment Climate Change and Water (DECCW), Hy-Tec placed advertisements in the Hawkesbury Gazette, Hawkesbury Courier and National Indigenous Times in October 2010. Also in compliance with the DECCW notification process, on 23 October 2010 Umwelt on behalf of Hy-Tec, corresponded with Metropolitan Local Aboriginal Land Council (MLALC), DECCW, Office of the Registrar, New South Wales and Australian Capital Territory Registry, Native Title Services Corp, Hawkesbury Council and Hawkesbury-Nepean Catchment Management Authority (HNCMA). The letters requested information in relation to identifying known Aboriginal parties that may have an interest in being involved in consultation relevant to the Aboriginal cultural values of the area proposed for impact by the quarry expansion.

A total of eight Aboriginal parties were identified by DECCW, MLALC Hawkesbury Council and HNCMA during the notification process as possibly having an interest in involvement in the consultation process. **Table 1** lists all Aboriginal Parties identified during the DECCW notification process.

Table 1 - Aboriginal parties identified through the notification process as potentially having an interest in consultation for the project

Darug Custodial Aboriginal Corporation	Darug Aboriginal Land Care Inc	Deerubbin LALC**
Darug Tribal Aboriginal Corporation	Yarrowalk/Tocomwall	Hawkesbury-Nepean Catchment Management Authority
Darug Aboriginal Cultural Heritage Assessments	Gunjeewong Cultural Heritage Aboriginal Corporation	
Darug Land Observations	Metropolitan LALC	

**DECCW has identified Deerubbin LALC as potentially having an interest in the project area, however the project area is located in the MLALC boundary and thus outside Deerubbin LALC's boundary and area of interest.

Yarrowalk has been placed on the Hy-Tec Register of Aboriginal Parties based on your response to the notification process. Hy-Tec is currently making contact with other groups/associations/corporations listed in **Table 1** to ascertain if they do have an interest in consultation for the project.

3. Registration of Interest

As noted above, Hy-Tec is currently finalising the identification of Registered Aboriginal Parties. Closing date for registration is **15 December 2010**. As Yarrowalk has already registered there is no need for you to respond again by this date.

4. Background Information

Included with this letter as **Attachment A** is an information package and proposed survey strategy regarding the Tinda Creek Expansion project. Total pedestrian survey is proposed for the new impact areas. Hy-Tec is proposing to hold an on-site meeting the morning of the survey to undertake a tour of the proposed quarry expansion areas and to discuss the proposed impacts with the participating registered Aboriginal parties. Throughout the tour a Hy-Tec quarry representative will be available to answer questions raised about the project. An Umwelt archaeologist will also be present to discuss the survey strategy to ensure that all participants are comfortable with the level of survey proposed (i.e. 100 per cent pedestrian survey).

It is estimated that the survey will only take half a day. Once the survey has been completed a brief post survey meeting is also proposed to discuss the results of the survey, the Aboriginal cultural significance of any sites identified (if any) and any site management/mitigation required. The outcomes of this meeting will then be incorporated into the draft assessment report which will be provided to all Registered Aboriginal Parties for broader group consideration and comment.

If Yarrowalk has any comments to make on the survey strategy, the closing date for these comments is **14 January 2011**. Hy-Tec is currently proposing to undertake the survey in early February 2011, and Yarrowalk will be contacted in mid to late January 2011 about a survey date and start time.

Hy-Tec is looking forward to building an excellent working relationship with the Registered Aboriginal Parties for this project and hope that through the proposed consultation program we can have meaningful discussions based on honesty, trust and mutual understanding.

Yours faithfully



Peter Jamieson
Director

Attachment A

Tinda Creek Quarry Expansion Project Description

Project Description

Hy-Tec Concrete & Aggregates (Hy-Tec) operate Tinda Creek, a sand quarry located 70 kilometres north from Windsor along Putty Rd, NSW. Hy-Tec would like to increase production levels from Tinda Creek Quarry from approximately 125,000 tonnes per year to approximately 300,000 tonnes per year and to increase the sand extraction area to possibly include two neighbouring lots (lots 1 and 3 in DP 628806). The final extraction area would be subject to geotechnical and environment assessment and constraints.

It is estimated that there is approximately 5.19 million tonnes of sand accessible. The two domains that contain this sand, the northwest extraction domain and the southeast extraction domain, are shown on **Figure 1**. The northwest domain and southeast domain cover areas of 12.14 hectares and 17.54 hectares respectively, with a combined area of approximately 29.68 hectares. Umwelt (Australia) Pty Limited (Umwelt) will be undertaking the necessary environmental assessments and assisting in attaining the approval for the proposal.

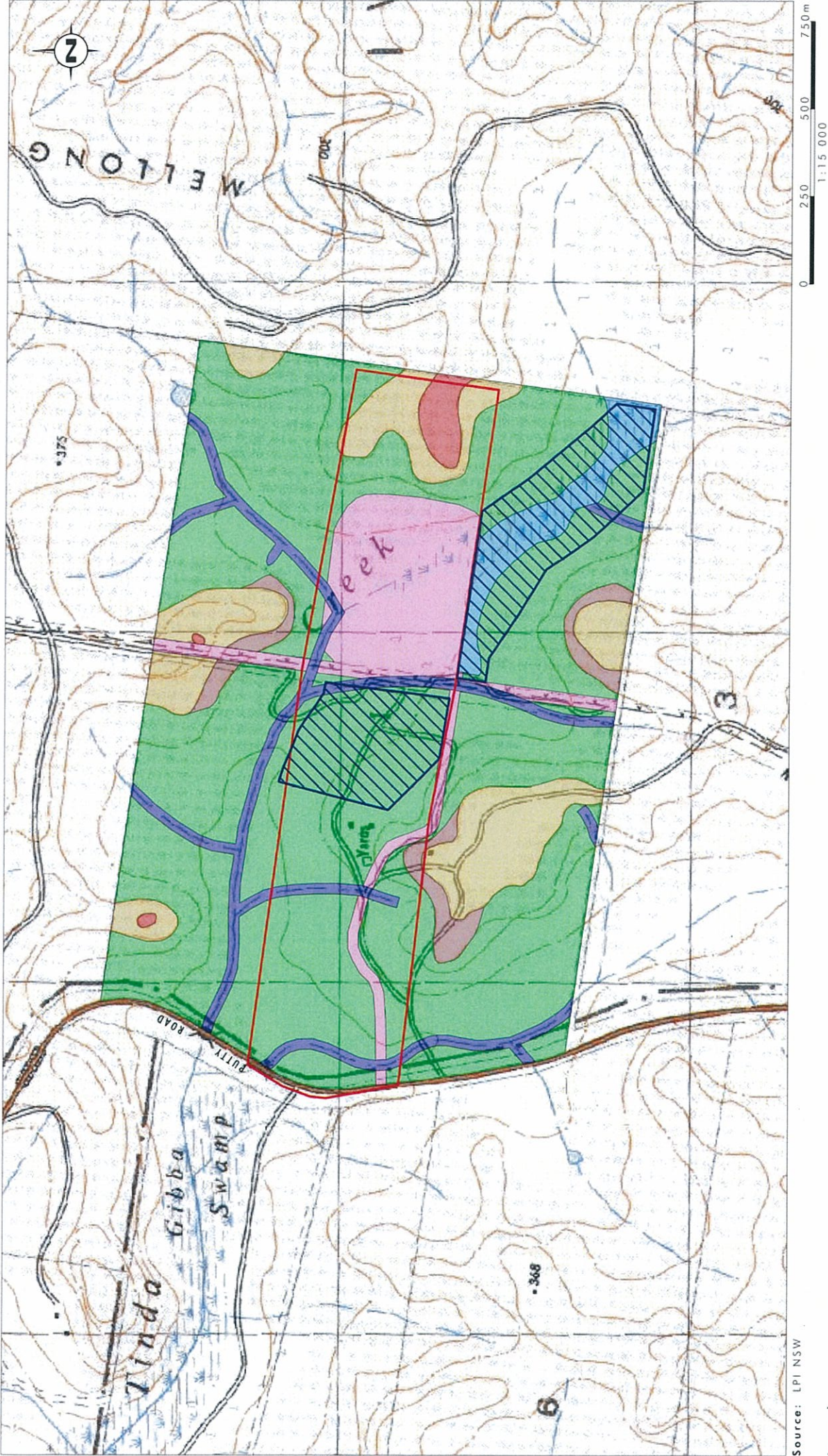
The proposed expansion of Tinda Creek Quarry will be a significant change to the existing development and will require a new development application to be lodged. As the proposed changes to the quarry will increase production to over 250,000 tonnes per year and may provide access to a resource of over 5 million tonnes, the development application is likely to be assessed under Part 3A of the *Environmental Planning and Assessment Act 1979*. Under these circumstances the Minister for Planning will be the determining authority for this development application.

Sand extraction in the proposed extensions would be a continuation of current operations. Sand extraction at the site currently involves dredging using a cutter suction dredge. Extracted sand is pumped to a screening and washing plant, then excess silt and tailings are removed from the dredged sand and returned to the dredge pond as slurry. Clay is stockpiled and used in ongoing in site rehabilitation works. The sand is passed through a cyclone to remove excess water before being stockpiled on site. It is then loaded into trucks using a front end loader and transported approximately one kilometre along a sand and gravel surfaced road to Putty Road.

Proposed Survey Strategy

The proposed extraction area is the only area proposed for new impacts. As the proposed impact area is only 30 hectares it is proposed that total (100 per cent) pedestrian survey is undertaken of the proposed impact area (survey area). The objective for undertaking total survey on foot is to ensure that participants have the opportunity to inspect all areas proposed for impact and to assess the likelihood that the project has to impact on Aboriginal cultural heritage sites and values.

The survey area is located in the south eastern corner of the project area. As shown on **Figure 1**, the survey area is predominantly composed of low gradient slopes bordering a swamp which is the main topographic feature of the proposed impact area and the low gradient slopes west of the existing Tinda Creek Quarry. This area has been substantially cleared and impacted by historic land-use practices. Sandstone bedrock in this area is also reported to be highly weathered and in a state of decomposition.



Source: LPI NSW

- Legend**
- Project Area
 - Modified Land
 - Disturbance Area
 - Closed Depression (swamp land)
 - Open Depression (creek line)
 - High Point on Spur
 - Maximal Slope
 - Spur Crest
 - Working Upper Slope

FIGURE 1
Landform Elements

The project area is within a small parcel of privately owned land bounded to the north, east and south by Yengo National Park (NP) and to the west by the Wollemi NP (both NPs form part of the extensive Greater Blue Mountains World Heritage Area). The topography of the project area, as well as previous regional models for Aboriginal landscape use within the area suggest that the spur and ridge crests would have provided access to, and an easier means of moving through this steeply dissected landscape and to travel from the resource rich swamp country in the valleys to the steeper country the east and west. This is particularly relevant given the Aboriginal cultural importance of Mount Yengo (a declared Aboriginal Place) and other known art (painting and engraving sites), ceremonial sites and grinding groove sites within the adjacent NPs. These sites/places have been recorded as being highly significant to Aboriginal Peoples.

Unusually there is a paucity of artefact scatters (open camp sites) and isolated finds identified within the adjacent Yengo-Wollemi NPs as these are generally one of the more common site types found in NSW. It is likely, however, that existing information regarding site distribution within the NPs has been biased by the nature and focus of prior investigations which have targeted areas most likely to contain sandstone exposures suitable for engravings and grinding grooves and clifflines likely to have rockshelters with art (painting and engraving). Thus the registered sites in the broader landscape surrounding the project area are dominated by these, usually rarer, site types.

The generally undeveloped nature of the NPs and the known importance of the broader area for ceremonial gatherings indicate that sites such as camp sites (artefact scatters) scarred trees, carved trees, ceremonial sites, stone arrangements and burials may also exist in the broader area. Of these, carved trees, ceremonial sites, stone arrangements and burials are relatively uncommon within the archaeological record generally due to issues of preservation.

Based on the environmental context of the proposed project impact area it is considered that Aboriginal people may have utilised the area periodically for the purposes of hunting and gathering whilst moving through the landscape. Thus, artefact scatters and isolated finds are the most likely site type to occur in this area and are most likely to be located in association with the watercourses and swamp. It is considered that any artefact scatters are likely to be relatively limited in extent when compared with artefact scatters that maybe located in association with more permanent watercourses and the larger swamplands in the vicinity. Grinding groove sites if they occurred in the vicinity would most likely have been associated with the creeklines, however, grinding grooves are unlikely to have survived due to the highly weathered nature of the sandstone bedrock. Scarred trees are unlikely due to the high levels of prior vegetation clearance in the project area. Other site types such as art sites and rockshelters will not be present due to the lack of suitable geology and carved, trees, stone arrangements and burials if ever present are unlikely to have survived disturbance caused from land clearance and other historic use of the area.

Based on the predictive model and on the limited size of the proposed impact area, survey will encompass the whole area proposed for impact with a special focus on the banks of the creek lines, swamp, and vehicle tracks as these are the most likely areas to have exposures that may have visible artefacts. All sandstone outcrops will be inspected for grinding grooves and engravings and all remnant mature trees will be inspected for scars/carving. No impacts are proposed for any steep terrain or high country.

If you have any comments regarding the survey strategy, please provide them on **Attachment B** survey strategy faxback. Comments on the survey strategy are required by close of business on **Friday 14 January 2011**. If comment is not received we will take it that Yarrowalk agrees with the proposed survey strategy.

It is estimated that the survey itself will take half a day, with the remainder of the day used for on site meetings.

Proposed Project Timeframe

Table 1 shows a proposed timetable for the project. If Yarrawalk has any questions or concerns regarding this timeframe, please include them in your comments on **Attachment B**, or if you would like to discuss any matters within the documentation you have been provided please call Amanda Reynolds or Jan Wilson (Umwelt) or email on (02) 4950 5322 or areynolds@umwelt.com.au or jwilson@umwelt.com.au.

Date	Milestone	Aboriginal Party Requirements
30 November	Survey strategy sent out	Comment/response by 14 January 2011
30 November	Invitation to DECCW identified Aboriginal parties to register	Response 15 December 2010
14 January 2011	Response to survey strategy	Comment/response required
2 February 2011	Survey and onsite meetings	Field survey and meetings
March 2011*	Draft report for comment	Comment on report during April 2011*

* These are currently proposed timeframes, and will depend on results of the survey

Our Ref: 1731B/PJ/PJ/AR/011210b

1 December 2010

Gordon Workman
Darug Land Observations
PO Box 571
PLUMPTON NSW 2761

Dear Gordon

Re: Tinda Creek Quarry Expansion - Environmental Assessment

1. Introduction

Hy-Tec Concrete & Aggregates (Hy-Tec) operate Tinda Creek, a sand quarry located 70 kilometres north from Windsor along Putty Rd, NSW. Hy-Tec would like to increase production levels from Tinda Creek Quarry from approximately 125,000 tonnes per year to approximately 300,000 tonnes per year and to increase the sand extraction area to possibly include two neighbouring lots (lots 1 and 3 in DP 628806). The final extraction area would be subject to geotechnical and environment assessment and constraints.

The proposed expansion of Tinda Creek Quarry will be a significant change to the existing development and will require a new development application to be lodged. As the proposed changes to the quarry will increase production to over 250,000 tonnes per year and may provide access to a resource of over 5 million tonnes, the development application is likely to be assessed under Part 3A of the *Environmental Planning and Assessment Act 1979*. Under these circumstances the Minister for Planning will be the determining authority for this development application.

2. Notification

As part of the EA process Hy-Tec is required to have a detailed Aboriginal Cultural Heritage and an Archaeological Assessment prepared. As part of the notification process required by the Department of Environment Climate Change and Water (DECCW), Hy-Tec placed advertisements in the Hawkesbury Gazette, Hawkesbury Courier and National Indigenous Times during October 2010. Also in compliance with the DECCW notification process, on 23 October 2010 Umwelt, on behalf of Hy-Tec, corresponded with Metropolitan Local Aboriginal Land Council (MLALC), DECCW, Office of the Registrar, New South Wales and Australian Capital Territory Registry, Native Title Services Corp, Hawkesbury Council and Hawkesbury-Nepean Catchment Management Authority (HNCMA). The letters sent requested information in relation to identifying known Aboriginal parties that may have an interest in being involved in consultation relevant to the Aboriginal cultural values of the area proposed for impact by the quarry expansion.

A total of eight Aboriginal parties were identified by DECCW, MLALC Hawkesbury Council and HNCMA during the notification process as possibly having an interest in involvement in the consultation process. **Table 1** lists all Aboriginal Parties identified during the DECCW notification process.

Table 1 - Aboriginal Parties Identified Through the Notification Process as Potentially Having an Interest in Consultation for the Project

Darug Custodial Aboriginal Corporation	Darug Aboriginal Land Care Inc	Deerubbin LALC**
Darug Tribal Aboriginal Corporation	Yarrowalk/Tocomwall	Hawkesbury-Nepean Catchment Management Authority
Darug Aboriginal Cultural Heritage Assessments	Gunjeewong Cultural Heritage Aboriginal Corporation	
Darug Land Observations	Metropolitan LALC	

**DECCW has identified Deerubbin LALC as potentially having an interest in the project area, however the project area is located in the MLALC boundary and thus outside Deerubbin LALC's boundary and area of interest.

As noted in **Table 1** Darug Land Observations was identified as potentially having an interest in being consulted with for the Hy Tec project through the DECCW notification process. If Darug Land Observations would like to be involved in the consultation for this project, please return **Attachment A** to:

Darryl Thiedeke
 Hy-Tec Industries T/A Hy-Tec Concrete & Aggregates
 PO Box 6770
 Silverwater NSW 1811
 email to: darryl.thiedeke@hy-tec.com.au

Closing date for registration in the project is **15 December 2010**. Hy-Tec is currently making contact with other groups/associations/corporations listed in **Table 1** to ascertain if they have an interest in consultation for the project.

3. Registration of Interest

As noted above, Hy-Tec is currently finalising the identification of Registered Aboriginal Parties. If no response is received from Darug Land Observations by **15 December 2010** Hy-Tec will take that to mean that Darug Land Observations does not wish to be consulted for this project.

4. Background Information

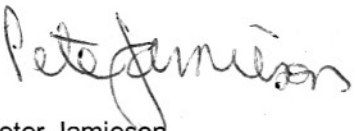
Included with this letter as **Attachment B** is an information package and proposed survey strategy regarding the Tinda Creek Expansion project. Total pedestrian survey is proposed for the new impact areas. Hy-Tec is proposing to hold an on-site meeting the morning of the survey to undertake a tour of the proposed quarry expansion areas and to discuss the proposed impacts with the participating registered Aboriginal parties. Throughout the tour a Hy-Tec quarry representative will be available to answer questions raised about the project. An Umwelt archaeologist will also be present to discuss the survey strategy to ensure that all participants are comfortable with the level of survey proposed (i.e. 100 per cent pedestrian survey).

It is estimated that the survey will only take half a day. Once the survey has been completed a brief post survey meeting is also proposed to discuss the results of the survey, the Aboriginal cultural significance of any sites identified (if any) and any site management/mitigation required. The outcomes of this meeting will then be incorporated into the draft assessment report which will be provided to all Registered Aboriginal Parties for broader group consideration and comment.

If Darug Land Observations has any comments to make on the survey strategy, the closing date for these comments is **14 January 2011**. Hy-Tec is currently proposing to undertake the survey in early February 2011, and D will be contacted in mid to late January 2011 about a survey date and start time.

Hy-Tec is looking forward to building an excellent working relationship with the Registered Aboriginal Parties for this project and hope that through the proposed consultation program we can have meaningful discussions based on honesty, trust and mutual understanding.

Yours faithfully

A handwritten signature in black ink that reads "Peter Jamieson". The signature is written in a cursive, flowing style.

Peter Jamieson
Director



Attachment A
Tinda Creek – Environmental Assessment
Registration of Interest

DARUG LAND OBSERVATIONS [insert the name of your group/association/corporation] would like to register an interest in consultation for the Aboriginal Cultural Heritage Assessment component of the Tinda Creek – Environmental Assessment.

We would like to register to participate in (please tick the appropriate box/boxes):

- meetings for the Aboriginal Cultural Heritage Assessment
- fieldwork for the Aboriginal Cultural Heritage Assessment
- reviewing the draft Aboriginal Cultural Heritage Assessment Report

Please note that meetings are proposed to occur during fieldwork - for groups who would like to participate in meetings and not fieldwork, alternate arrangements can be made.

This form should be signed by an authorised member of your group/association/corporation.

Signed by: Uncle Gordon Wah [please insert name].

Position: Site officer [please insert position description eg. CEO, Manager].

Contact Details (please insert current contact details):

Address: PO Box 571 PLUMPTON N.S.W. 2761

Phone: 029831 8868 Fax: SAME

Mobile: 0415663763 Email: GORDON51@BIGPOND.NET.AU.

Please fax your registration form to Darryl Thiedeke on 9647 2924 or post your registration form to the address below

Darryl Thiedeke
Hy-Tec Industries T/A Hy-Tec Concrete & Aggregates
PO Box 6770
Silverwater NSW 1811

Or

Email your registration of interest to darryl.thiedeke@hy-tec.com.au

**Registrations of Interest to be returned to Hy-Tec by 5 pm 15 December 2010 -
Hy-Tec will contact registrants to discuss details for engagement**

Attachment B

Tinda Creek Quarry Expansion Project Description

Project Description

Hy-Tec Concrete & Aggregates (Hy-Tec) operate Tinda Creek, a sand quarry located 70km north from Windsor along Putty Rd, NSW. Hy-Tec would like to increase production levels from Tinda Creek Quarry from approximately 125,000 tonnes per year to approximately 300,000 tonnes per year and to increase the sand extraction area to possibly include two neighbouring lots (lots 1 and 3 in DP 628806). The final extraction area would be subject to geotechnical and environment assessment and constraints.

It is estimated that there is approximately 5.19 million tonnes of sand accessible. The two domains that contain this sand, the northwest extraction domain and the southeast extraction domain, are shown on **Figure 1**. The northwest domain and southeast domain cover areas of 12.14 hectares and 17.54 hectares respectively, with a combined area of approximately 29.68 hectares. Umwelt (Australia) Pty Limited (Umwelt) will be undertaking the necessary environmental assessments and assisting in attaining the approval for the proposal.

The proposed expansion of Tinda Creek Quarry will be a significant change to the existing development and will require a new development application to be lodged. As the proposed changes to the quarry will increase production to over 200,000 tonnes per year and may provide access to a resource of over 5 million tonnes, the development application is likely to be assessed under Part 3A of the *Environmental Planning and Assessment Act 1979*. Under these circumstances the Minister for Planning will be the determining authority for this development application.

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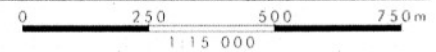
Proposed Survey Strategy

The proposed extraction domains are the only areas proposed for new impacts. As the proposed impact area is only 30 hectares it is proposed that total (100 percent) pedestrian survey is undertaken of the proposed impact area (survey area). The objective for undertaking total survey on foot is to ensure that participants have the opportunity to inspect all areas proposed for impact and to assess the likelihood that the project has to impact on Aboriginal cultural heritage sites and values.

The survey area is located in the south eastern corner of the project area. As shown on **Figure 1**, the survey area is predominantly composed of low gradient slopes bordering a swamp which is the main topographic feature of the proposed impact area and the low gradient slopes west of the existing Tinda Creek Quarry. This area has been substantially cleared and impacted by historic land-use practices. Sandstone bedrock in this area is also reported to be highly weathered and in a state of decomposition.



Source: LPI NSW



- Legend**
- | | |
|--------------------------------|--------------------|
| Project Area | Modified Land |
| Disturbance Area | Spur Crest |
| Closed Depression (swamp land) | Waning Upper Slope |
| Open Depression (creek line) | High Point on Spur |
| Maximal Slope | |

File Name (A4): R13_V1/1731_152.dgn

FIGURE 1
 Landform Elements

The project area is within a small parcel of privately owned land bounded to the north, east and south by Yengo National Park (NP) and to the west by the Wollemi NP (both NPs form part of the extensive Greater Blue Mountains World Heritage Area). The topography of the project area, as well as previous regional models for Aboriginal landscape use within the area suggest that the spur and ridge crests would have provided access to, and an easier means of moving through this steeply dissected landscape and to travel from the resource rich swamp country in the valleys to the steeper country the east and west. This is particularly relevant given the Aboriginal cultural importance of Mount Yengo (a declared Aboriginal Place) and other known art (painting and engraving sites), ceremonial sites and grinding groove sites within the adjacent NPs. These sites/places have been recorded as being highly significant to Aboriginal Peoples.

Unusually there is a paucity of artefact scatters (open camp sites) and isolated finds identified within the adjacent Yengo-Wollemi NPs as these are generally one of the more common site types found in NSW. However it is likely that existing information regarding site distribution within the NPs has been biased by the nature and focus of prior investigations which have targeted areas most likely to contain sandstone exposures suitable for engravings and grinding grooves and cliffines likely to have rockshelters with art (painting and engraving). Thus the registered sites in the broader landscape surrounding the project area are dominated by these, usually rarer, site types.

The generally undeveloped nature of the NPs and the known importance of the broader area for ceremonial gatherings indicate that sites such as camp sites (artefact scatters) scarred trees, carved trees, ceremonial sites, stone arrangements and burials may also exist in the broader area. Of these, carved trees, ceremonial sites, stone arrangements and burials are relatively uncommon within the archaeological record generally due to issues of preservation.

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Based on the predictive model and on the limited size of the proposed impact area, survey will encompass the whole area proposed for impact with a special focus on the banks of the creek lines, swamp, and vehicle tracks as these are the most likely areas to have exposures that may have visible artefacts. All sandstone outcrops will be inspected for grinding grooves and engravings and all remnant mature trees will be inspected for scars/carving. No impacts are proposed for any steep terrain or high country.

If you have any comments regarding the survey strategy, please provide them on **Attachment C** survey strategy faxback. Comments on the survey strategy are required by close of business on **Friday 14 January 2011**. If comment is not received we will take it that Darug Land Observations agrees with the proposed survey strategy.

It is estimated that the survey itself will take half a day, with the remainder of the day used for on site meetings.

Proposed Project Timeframe

Table 1 shows a proposed timetable for the project. If Darug Land Observations has any questions or concerns regarding this timeframe, please include them in your comments on **Attachment C**, or if you would like to discuss any matters within the documentation you have been provided please call Amanda Reynolds or Jan Wilson (Umwelt) or email on (02) 4950 5322 or areynolds@umwelt.com.au or jwilson@umwelt.com.au.

Date	Milestone	Aboriginal Party Requirements
30 November	Survey strategy sent out	Comment/response by 14 January 2011
30 November	Invitation to DECCW identified Aboriginal parties to register	Response 15 December 2010
14 January 2011	Response to survey strategy	Comment/response required
2 February 2011	Survey and onsite meetings	Field survey and meetings
March 2011*	Draft report for comment	Comment on report during April 2011*

* These are currently proposed timeframes, and will depend on results of the survey

At the end of the registration period Hy-Tec will contact registrants to discuss details for engagement.



Attachment A Tinda Creek – Environmental Assessment Registration of Interest

DARUG CUSTODIAN ABORIGINAL CORP. [insert the name of your group/association/corporation] would like to register an interest in consultation for the Aboriginal Cultural Heritage Assessment component of the Tinda Creek – Environmental Assessment.

We would like to register to participate in (please tick the appropriate box/boxes):

- meetings for the Aboriginal Cultural Heritage Assessment
- fieldwork for the Aboriginal Cultural Heritage Assessment
- reviewing the draft Aboriginal Cultural Heritage Assessment Report

Please note that meetings are proposed to occur during fieldwork - for groups who would like to participate in meetings and not fieldwork, alternate arrangements can be made.

This form should be signed by an authorised member of your group/association/corporation.

Signed by:.....L. Wah..... [please insert name].

Position:.....DIRECTOR..... [please insert position description eg. CEO, Manager].

Contact Details (please insert current contact details):

Address: 81 Andrew Thompson Dr McGraths Hill 2756
PO Box 81 WINDSOR 2756

Phone: 0245 775181 Fax: 0245 775098

Mobile: 0415 770163 Email: mulgokwi@bigpond.com

Please fax your registration form to Darryl Thiedeke on 9647 2924 or post your registration form to the address below

Darryl Thiedeke
Hy-Tec Industries T/A Hy-Tec Concrete & Aggregates
PO Box 6770
Silverwater NSW 1811

Or

Email your registration of interest to darryl.thiedeke@hy-tec.com.au

**Registrations of Interest to be returned to Hy-Tec by 5 pm 15 December 2010 -
Hy-Tec will contact registrants to discuss details for engagement**



**Attachment A
Tinda Creek – Environmental Assessment
Registration of Interest**

Darug Lubbe Aboriginal Corp. [insert the name of your group/association/corporation] would like to register an interest in consultation for the Aboriginal Cultural Heritage Assessment component of the Tinda Creek – Environmental Assessment.

We would like to register to participate in (please tick the appropriate box/boxes):

- meetings for the Aboriginal Cultural Heritage Assessment
- fieldwork for the Aboriginal Cultural Heritage Assessment
- reviewing the draft Aboriginal Cultural Heritage Assessment Report

Please note that meetings are proposed to occur during fieldwork - for groups who would like to participate in meetings and not fieldwork, alternate arrangements can be made.

This form should be signed by an authorised member of your group/association/corporation.

Signed by:..... *Jennifer Lee* [please insert name].

Position:..... *Secretary* [please insert position description eg. CEO, Manager].

0415439326

Contact Details (please insert current contact details):

Address. *PO Box 441 BLACKTOWN 2148*

Phone: *96224081* Fax:

Mobile: Email: *DARUG Lubbe @ hve . com . au*

Please fax your registration form to Darryl Thiedeke on 9647 2924 or post your registration form to the address below

Darryl Thiedeke
Hy-Tec Industries T/A Hy-Tec Concrete & Aggregates
PO Box 6770
Silverwater NSW 1811

Or

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Hy-Tec will contact registrants to discuss details for engagement**

Darug

18a Perigee Close
Doonside
NSW 2767

ABN 7130 1006 047

Fax Transmittal Form

To Darryl Thiedelke

From
Des Dyer
Phone 88 14 95 47
Mobil 0408 360 814
Email desmond4552@hotmail.com

Phone:
Fax number 9647 2924

- Urgent
 for review
 please comment
 Please reply

Date sent: 15/12/10
Time sent
Number of Pages

2

Hi Darryl.

Sorry this is late our fax was out of order

This is our Registration.

If you need to call please call

the mobil number

Des Dyer *D. Dyer*
Darug Elder and Public Officer



Attachment A
Tinda Creek – Environmental Assessment
Registration of Interest

Darug Aboriginal Cultural Ass. [insert the name of your group/association/corporation] would like to register an interest in consultation for the Aboriginal Cultural Heritage Assessment component of the Tinda Creek – Environmental Assessment.

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- fieldwork for the Aboriginal Cultural Heritage Assessment
- reviewing the draft Aboriginal Cultural Heritage Assessment Report

Please note that meetings are proposed to occur during fieldwork - for groups who would like to participate in meetings and not fieldwork, alternate arrangements can be made.

This form should be signed by an authorised member of your group/association/corporation].

Signed by: *Belastine Eveningharr* [please insert name].

Position: *Manager* [please insert position description] eg. CEO, Manager].

Contact Details (please insert current contact details):

Address: *90 Steamitage Road, Kunyang Hills 2758*

Phone: *45677421* Fax: *45677421*

Mobile: Email:

Please fax your registration form to Darryl Thiedeke on 9647 2924 or post your registration form to the address below

Darryl Thiedeke
Hy-Tec Industries T/A Hy-Tec Concrete & Aggregates
PO Box 6770
Silverwater NSW 1811

Or

Email your registration of interest to darryl.thiedeke@hy-tec.com.au

Registrations of Interest to be returned to Hy-Tec by 5 pm 15 December 2010 .
Hy-Tec will contact registrants to discuss details for engagement



Attachment A
Tinda Creek – Environmental Assessment
Registration of Interest

Darug Aboriginal Cultural Ass. [insert the name of your group/association/corporation] would like to register an interest in consultation for the Aboriginal Cultural Heritage Assessment component of the Tinda Creek – Environmental Assessment.

We would like to register to participate in (please tick the appropriate box/boxes):

- meetings for the Aboriginal Cultural Heritage Assessment
- fieldwork for the Aboriginal Cultural Heritage Assessment
- reviewing the draft Aboriginal Cultural Heritage Assessment Report

Please note that meetings are proposed to occur during fieldwork - for groups who would like to participate in meetings and not fieldwork, alternate arrangements can be made.

This form should be signed by an authorised member of your group/association/corporation .

Signed by: *Celestine Everingham* [please insert name].

Position: *Manager* [please insert position description eg. CEO, Manager].

Contact Details (please insert current contact details):

Address: *90 Hermitage Road, Kurrajong Hills 2758*

Phone: *45677421* Fax: *45677421*

Mobile: Email:

Please fax your registration form to Darryl Thiedeke on 9647 2924 or post your registration form to the address below

Darryl Thiedeke
 Hy-Tec Industries T/A Hy-Tec Concrete & Aggregates
 PO Box 6770
 Silverwater NSW 1811

Or

Email your registration of interest to darryl.thiedeke@hy-tec.com.au

Registrations of Interest to be returned to Hy-Tec by 5 pm 15 December 2010 .
Hy-Tec will contact registrants to discuss details for engagement



Our Ref: 1731/RW/AR/100413

10 April 2013

Sandra Lee
Darug Tribal Aboriginal Corporation
PO Box 441
BLACKTOWN NSW 2148

Gaeye

SENDER TO KEEP
101661311099

Dear Sandra

Re: Tinda Creek Quarry Expansion – Invitation to registered Aboriginal stakeholder groups for involvement in additional Aboriginal Archaeological Survey and Assessment

Hy-Tec Concrete & Aggregates (Hy-Tec) is currently seeking approval to increase production levels from Tinda Creek Sand Quarry from approximately 125,000 tonnes per annum (tpa) up to 300,000 tpa by increasing the area subject to sand extraction to include additional identified resource domains. The quarry is located on Putty Road, approximately 23 kilometres north of Colo Heights, NSW within Lot 2 DP 628806, though the proposed expansion would include extraction on the adjacent Lots 1 and 3 in DP 628806. Lot 1 (86 hectares), Lot 2 (86.67 hectares) and Lot 3 (86 hectares) are referred to collectively as the 'study area'. The total size of the proposed study area is 258.67 hectares bounded on the north, east and south by Yengo National Park and on the west by Putty Road, several agricultural land holdings and Wollemi National Park.

As a registered Aboriginal stakeholder group for the Tinda Creek Sand Quarry, and in keeping with the Part 6 of the NPW Act 1974 (Aboriginal cultural heritage consultation requirements for proponents 2010), Hy-Tec would like to invite your group to provide a representative for involvement in a survey of four additional resource domains not surveyed previously in 2010. Umwelt (Australia) Pty Limited (Umwelt) has been engaged by Hy-Tec Concrete & Aggregates to undertake the necessary impact assessments and assist in attaining approval for the proposal.

A number of resource domains have been identified on the site (see attached figure), five of which form the subject of the application. Four of these domains will be investigated as part of the Archaeological field assessment (the fifth having been assessed previously).

The following resource domains comprising the proposed extraction area of 58.48 hectares are the subject of this field survey:

- Domain 1 – approximately 17.47 hectare area comprising an indicated product-sand resource of 2.1 Mt;
- Domain 2 - approximately 5.8 hectare area comprising an indicated product-sand resource of 1.1 Mt;
- Domain 3 - approximately 17.49 hectare area comprising an indicated product-sand resource of 2.3 Mt; and

Inspired People.
Dedicated Team.
Quality Outcomes.

Newcastle
PO Box 3074
75 York Street
Teralba NSW 2284

Ph. 02 4950 5322

Perth
PO Box 8177
144 Churchill Avenue
Subiaco East WA 6008

Ph. 08 6260 0700

Canberra
PO Box 6135
56 Bluebell Street
O'Connor ACT 2602

Ph. 02 6262 9484

www.umwelt.com.au

- Domain 4 - approximately 5.06 hectare area comprising an indicated product-sand resource of 0.7 Mt.

The aim of the field survey will be to inspect the four Domain Areas above in accordance with the provided survey methodology (see **Attachments 1 & 2**). It is therefore critical that your representative on the day can both speak on behalf of your organisation in relation to the cultural values of the area and the assessment approach, and is experienced in archaeological survey and artefact identification. If you would like to provide comment on the survey methodology please return **Attachment 2** with the other Attachments (see below).

As the site visit is expected to require a full day, Hy-Tec proposes to pay \$600 ex GST per organisation for attendance, plus \$150 ex GST per organisation for travelling expenses. Should fieldwork be cancelled due to bad weather, your organisation will be notified in advance of the site visit; however, any hours worked by your representative prior to cancellation will be paid at the above hourly rate.

Hy-Tec will provide an on-site WHS induction for all those attending the site visit on the day, and will also require that all representatives bring their own PPE, being steel capped boots and high visibility clothing. Your representative should also bring their own morning tea and lunch, as we will not be leaving site during the day.

Opportunity to provide the above services requires that Hy-Tec receives a copy of your organisations current insurances (including Work Cover and Public Liability), company contact details and Australian Business Number (ABN) if current details are not already provided. Each organisation should also identify whether it is registered for GST.

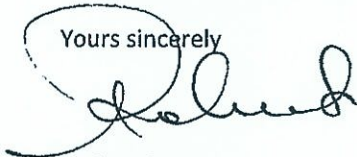
Following the site visit, invoices should be sent to:

Darryl Theideke (General Manager)
Hy-Tec Industries
P.O Box 6770
SILVERWATER NSW 1811
Fax: 02 9647 2924

Please sign and return the Consultant Conditions of Engagement (**Attachment 3**) and Submission for Fieldwork Involvement (**Attachment 4**) if you would like to continue to be involved in this project.

I look forward to seeing you at the site visit, and please do not hesitate to contact me on (02) 4950 5322 if you have any questions relating to the archaeological survey and assessment.

Yours sincerely



Andy Roberts
Senior Archaeologist

enc

Attachment A –

Proposed Survey Strategy

The proposed extraction domains are the only areas proposed for new impacts. As the proposed impact area is only 45 hectares it is proposed that total (100 percent) pedestrian survey is undertaken of the proposed impact area (survey area). The objective for undertaking total survey on foot is to ensure that participants have the opportunity to inspect all areas proposed for impact and to assess the likelihood that the project has to impact on Aboriginal cultural heritage sites and values.

As shown on Figure 1, the survey area is predominantly composed of low gradient slopes bordering a swamp which is the main topographic feature of the proposed impact area and the low gradient slopes surrounding the existing Tinda Creek Quarry. Most of this area has been substantially cleared and impacted by historic land-use practices however Domain three is located in less disturbed woodland. Sandstone bedrock in this area is reported to be highly weathered and in a state of decomposition.

The project area is within a small parcel of privately owned land bounded to the north, east and south by Yengo National Park (NP) and to the west by the Wollemi NP (both NPs form part of the extensive Greater Blue Mountains World Heritage Area). The topography of the project area, as well as previous regional models for Aboriginal landscape use within the area suggest that the spur and ridge crests would have provided access to, and an easier means of moving through this steeply dissected landscape and to travel from the resource rich swamp country in the valleys to the steeper country the east and west. This is particularly relevant given the Aboriginal cultural importance of Mount Yengo (a declared Aboriginal Place) and other known art (painting and engraving sites), ceremonial sites and grinding groove sites within the adjacent NPs. These sites/places have been recorded as being highly significant to Aboriginal Peoples.

Unusually there is a paucity of artefact scatters (open camp sites) and isolated finds identified within the adjacent Yengo-Wollemi NPs as these are generally one of the more common site types found in NSW. However it is likely that existing information regarding site distribution within the NPs has been biased by the nature and focus of prior investigations which have targeted areas most likely to contain sandstone exposures suitable for engravings and grinding grooves and clifflines likely to have rockshelters with art (painting and engraving). Thus the registered sites in the broader landscape surrounding the project area are dominated by these, usually rarer, site types.

The generally undeveloped nature of the NPs and the known importance of the broader area for ceremonial gatherings indicate that sites such as camp sites (artefact scatters) scarred trees, carved trees, ceremonial sites, stone arrangements and burials may also exist in the broader area. Of these, carved trees, ceremonial sites, stone arrangements and burials are relatively uncommon within the archaeological record generally due to issues of preservation.

Based on the environmental context of the proposed project impact area it is considered that Aboriginal people may have utilised the area periodically for the purposes of hunting and gathering whilst moving through the landscape. Thus, artefact scatters and isolated finds are the most likely site type to occur in this area and are most likely to be located in association with the watercourses and swamp. It is considered that any artefact scatters are likely to be relatively limited in extent when compared with artefact scatters that maybe located in association with more permanent watercourses and the larger swamplands a few kilometres to the north. Grinding groove sites if they occurred in the vicinity would most likely have been associated with the creeklines, however they are unlikely to have survived due to the highly weathered nature of the sandstone bedrock. Scarred trees are unlikely due to the high levels of prior vegetation clearance in the project area. Other site types such as art sites and rockshelters will not be present due to the lack of suitable geology and carved, trees, stone arrangements and burials if ever present are unlikely to have survived disturbance caused from land clearance and other historic use of the area.

Based on the predictive model and on the limited size of the proposed impact area, survey will encompass the whole area proposed for impact with a special focus on the banks of the creek lines, swamp, and vehicle tracks

as these are the most likely areas to have exposures that may have visible artefacts. All sandstone outcrops will be inspected for grinding grooves and engravings and all remnant mature trees will be inspected for scars/carving. No impacts are proposed for any steep terrain or high country.

If you have any comments regarding the survey strategy, please provide them on Attachment C survey strategy faxback. Comments on the survey strategy are required by close of business on Friday 3 May 2011. If comment is not received we will take it that ~~insert group~~ agrees with the proposed survey strategy.

It is estimated that the survey itself will take half a day, with the remainder of the day used for on-site meeting.

**Attachment B –
Comment on Tinda Creek Expansion EA Draft Survey Strategy**

We Darug Tribal Aboriginal Corporation (stakeholder/organisation) provide this comment on the draft survey strategy proposed by Umwelt for the Tinda Creek Expansion archaeological survey, as provided on 30 November 2010.

We agree / do not agree with the proposed survey strategy. (please circle one option)

We also have the following comments about the draft survey strategy:

Survey Objectives: to inspect the four domain areas in accordance with the Survey Methodology.

Survey Coverage: 45 hectares.

Survey Method: Field Survey.

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General Comment:

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Submission Form Completed By (please print): Gai Marheine

Position within Organisation: Office Coordinator

Signed: G. Marheine

Dated: 3/5/2013

Comment on the draft survey strategy is requested by:
close of business Friday 3 May 2013

**Attachment C –
HY-TEC Concrete & Aggregates**

CONSULTANT CONDITIONS OF ENGAGEMENT

The following standard conditions apply to all work conducted by a consultant for Hy-Tec Concrete & Aggregates (hereinafter referred to as Hy-Tec).

Liaison/Confidentiality

- Any potential conflicts of interest must be disclosed prior to commencement of the work.
- All consultant work for Hy-Tec must be treated as confidential at all times.
- The consultant must contact Hy-Tec prior to any site visit to allow the appropriate access arrangements to be made.

Insurance

- Hy-Tec will not accept responsibility for any insurance coverage for the consultant or their contractors or employees, including but not limited to professional indemnity, public liability and workers compensation.

Documentation

- Documents produced by the consultant will be included in an appendix to the relevant Umwelt project report.
- Reports, maps, data or any other project material should not be released to any party, other than Hy-Tec or Umwelt, nor should they be referenced in publications, unless prior approval is sought from and granted by Hy-Tec.
- The consultant will be required to provide an electronic copy of the final report for document production purposes (if requested).

Payment

- Payment will only be issued for consultant fees that have been approved in writing by Hy-Tec and are in accordance with the approved scope of works and budget. Any variations by the consultant to the scope of works or budget for a particular project must be approved in writing by Hy-Tec prior to commencement of such work.
- Consultant invoices will be paid at the end of the month.

Project Personnel and Termination of Services

- Hy-Tec reserves the right to terminate consultant services for any reason at any stage of the project. Such termination may be as a result of, for example, project termination, poor time or cost performance by the consultant, or dissatisfaction with the consultant's quality of work.

I/we accept the above terms and conditions.

Signature: 

Date: 3/5/13

Please fax back to Hy-Tec Concrete & Aggregates including a copy of your Certificates of Currency for the above insurances - Fax No 02 9647 2924

Attachment D:
Submission for fieldwork involvement in the Aboriginal archaeological salvage program for the Tinda Creek Quarry Expansion

We Darug Tribal Aboriginal Corp. (group name) provide this submission for the abovementioned job. We understand that the work is intended to be carried out following the schedule of works detailed in the attached letter and that we need to provide one representative for one day.

Please find details of our nominated representative/s below.

Name: John Reilly
Details and dates nominated for involvement within allocated fieldwork schedule:

Name:
Details and dates nominated for involvement within allocated fieldwork schedule:

Job Package

We understand that Hy-Tec will be providing a job package of \$⁶⁵⁰XXXX per day ex GST per representative. Travelling expenses for groups are included within this rate and will be reimbursed at \$¹⁵⁰XX a day. As part of this submission, we therefore agree to the job package detailed above and understand that we will ensure our fieldwork representative has appropriate personal protective clothing (including boots, long trousers and high visibility vest) and meets Hy-Tec's terms of engagement for contractors during all fieldwork.

All groups must have appropriate insurance cover for their representatives before they can be involved in any field work. Please provide copies of appropriate insurances along with this form to Darryl Theideke (General Manager).

Pro-Forma Completed By (please print):
Position within Organisation: Director / survey field worker
Signed: [Signature]
Dated: 3/5/13

**Endorsement of this proforma indicates that your organisation
accepts the conditions outlined above.
Closing date for submissions is 5 pm Friday, 3 May 2013.**