

***ARCHAEOLOGICAL MANAGEMENT PLAN:  
PROPOSED SUBDIVISION OF 198 MAHIA ROAD,  
MANUREWA, AUCKLAND (LOT 1 DP 105238)***

Report prepared for  
Mt Hobson Group Ltd

By  
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# INTRODUCTION

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## **Purpose**

A 69 lot integrated intensive housing subdivision is planned on a property at 198 Mahia Road, Manurewa in Auckland (Lot 1 DP105238) by Mt Hobson Group Ltd. This property is situated in the upper reaches of the Waimahia Creek on the Manukau Harbour, east of the Weymouth Peninsula

An archaeological assessment has been provided with the application:

Tatton, K. and Clough, R. November 2015. 198 Mahia Road, Manurewa, Auckland: Archaeological Assessment. Report prepared for Mt Hobson Group Ltd.

This established that a midden site (R11/1048) is located largely within the area of infill earthworks for the subdivision, although a small part of the site located within the esplanade reserve may be avoided (Figure 1). A potential 'pit' feature on the property was found not to be an archaeological site. It is also possible, although considered unlikely, that additional unidentified subsurface remains may be encountered during earthworks.

An application for a general Authority to modify site R11/1048 under section 44(a) of the Heritage New Zealand Pouhere Taonga Act 2014 (HNZPTA) is therefore being made prior to the start of works.

This archaeological management plan outlines the site management procedures to be followed during archaeological monitoring of works in the vicinity of the known site and procedures for recording any archaeological evidence before it is modified or destroyed, along with protocols relating to the discovery of previously unrecorded archaeological remains, including koiwi tangata (human remains) or taonga (artefacts).

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## **Project Archaeologist**

The 'Project Archaeologist' referred to in this plan is the archaeologist approved by Heritage NZ under section 45 of the HNZPTA.

Some of the archaeological work may be undertaken by other qualified archaeologists under the direction of the Project Archaeologist. The general term 'Archaeologist' is used to denote either the Project Archaeologist or a qualified archaeologist working under their direction.

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## ***INTRODUCTION, CONTINUED***

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**Maori Cultural Values** Archaeological sites of Maori origin have cultural value to tangata whenua in addition to the archaeological values provided for in this plan.

Contact details for representatives of iwi that have an interest in the sites within the project area are provided in this document, as are protocols that must be adhered to if archaeological remains of Maori origin are exposed. In carrying out the requirements of the authority the archaeologists will be guided by the Iwi representatives in matters of tikanga.

A Cultural Values Assessment has been prepared by Ngati Te Ata and a Cultural Impact Assessment by Te Akitai Waiohau.

Mt Hobson Group Ltd or their designated representative should ensure that the iwi representatives are informed at least 48 hours before the start of the works requiring archaeological monitoring.

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**Purpose of Monitoring, Investigation and Recording**

Midden site R11/1048 is of limited extent and archaeological value, but has the potential to provide information relating to the pre-European history of the area through archaeological investigation (Tatton & Clough 2015). Analysis of midden samples could provide information relating to the environment and food resources used by Maori, while radiocarbon dating (if a suitable sample is available) would identify the date of occupation. It is also possible that additional subsurface archaeological evidence is present that could not be detected through field survey. It is important that this information is recovered prior to the removal of archaeological deposits and features to offset the loss of the site.

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# SITE MANAGEMENT

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## Site Management and Monitoring Procedures

### Pre-Start Requirements:

1. Prior to the start of earthworks, the Project Archaeologist will be called to meet the Contractors on site to brief them on the archaeological requirements.
2. As much of the southern exposure of archaeological site R11/1048 located in the esplanade reserve as can be avoided (Figure 1) will be temporarily fenced off under archaeological supervision to ensure it is not impacted on during works.
3. The Archaeologist will ensure that the Contractor has a copy of the Authority and Archaeological Management Plan, and will provide confirmation to Heritage NZ that they have been received and understood, either by providing copies of both documents signed by the relevant parties, or by obtaining email confirmation from them, copied to Heritage NZ.
4. The Project Archaeologist must be given at least 2 weeks' notice by the Contractor that works are about to begin.

### Earthworks Phase:

5. An Archaeologist will be present to monitoring all vegetation/site clearance, topsoil stripping and preliminary excavations in the area shown in Figure 1.
6. Monitoring will continue until the natural deposits have been reached (where excavations are continued to this depth), or until it becomes clear that the area has been modified to the point where no archaeology would be expected.
7. When archaeological deposits or features are exposed, the Archaeologist will stop works in the immediate vicinity by notifying the Contractor and will investigate and record the remains.
8. Any archaeological features or deposits exposed during monitoring will be investigated, recorded and sampled by the Archaeologist consistent with accepted archaeological practice and in accordance with the requirements of the Heritage NZ authority:
  - a) detailed notes of each feature and deposit will be made;
  - b) all subsurface features located will be detailed on the site plan;
  - c) stratigraphic drawings and photographs of features and deposits will be undertaken;
  - d) midden samples will be taken for environmental analysis and radiocarbon dating, in accordance with the Heritage NZ *Guidelines for Midden Sampling and Analysis* 2014; and
  - e) any artefacts will be retained for analysis and their positions marked on the site plan.
9. Additional Archaeologists will be brought to site as required to assist in the monitoring, and for the subsequent archaeological recording and sampling.

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## ***SITE MANAGEMENT, CONTINUED***

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### **Site Management and Monitoring Procedures, *continued***

10. The Contractor will allow sufficient time and opportunity for the recording and sampling of any archaeological features or deposits encountered. The Archaeologist(s) will record the archaeological feature(s) or deposit(s) as quickly as possible so that earthworks may resume without undue delay.
  11. If suspected archaeological deposits or features are identified at times or in areas where the Archaeologist is temporarily not present, the Contractor must stop works (within 10m) and follow the procedure set out below.
  12. Heritage NZ will be advised by the Project Archaeologist if any significant archaeological features or deposits are exposed that were not anticipated. This will trigger the stand down procedure set out below (p.9).
  13. If archaeological remains relating to Maori occupation are exposed, the Project Archaeologist will inform the Iwi representatives (if not present) prior to investigation.
  14. If human bone (koiwi tangata) or taonga (Maori artefacts) are encountered, the protocols set out below (p.7) will be followed.
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### **Procedures if Archaeological Sites are Discovered When the Archaeologist is not Present**

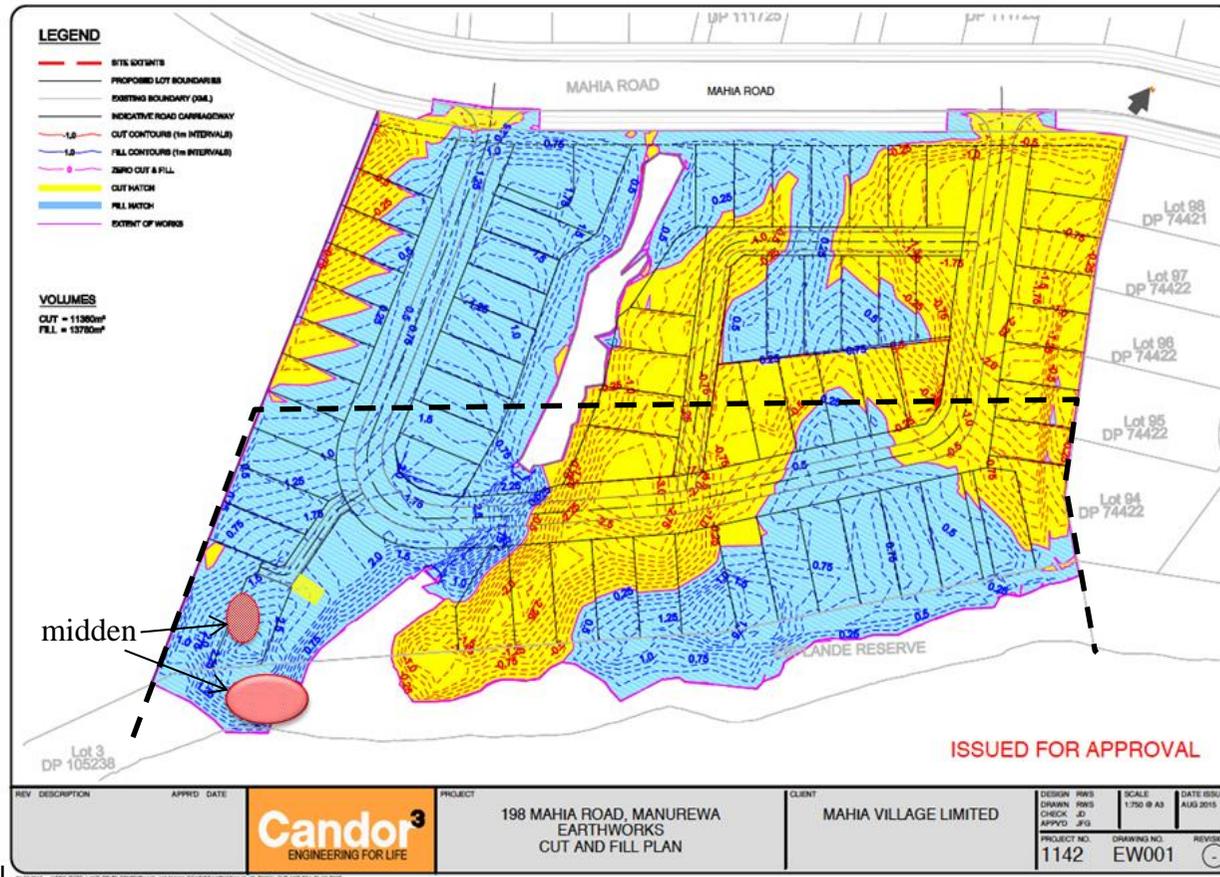
If the Archaeologist is temporarily not present and remains are exposed that are potentially archaeological features or deposits (as described to the Contractor at the pre-start meeting), the following procedure should be adopted:

1. The Contractor will ensure that earthworks shall cease in the immediate vicinity (within 10m) while the Archaeologist is called in to establish whether the remains are part of an archaeological site as defined under the HNZPTA.
  2. If the Archaeologist confirms that it is an archaeological site, the area of the site will be defined by the Archaeologist and excluded from earthworks.
  3. The archaeological site will be investigated and recorded by the Archaeologist in accordance with accepted archaeological practice and the conditions of the authority.
  4. Heritage NZ will be advised by the Archaeologist if any significant archaeological features or deposits that were not anticipated are exposed.
  5. If the archaeological site relates to Maori occupation the appropriate Iwi representatives will be informed by the Archaeologist (if not present) prior to investigation.
  6. If human bone (koiwi tangata) or taonga (Maori artefacts) are unearthed the protocols set out below (p.7) will be followed.
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# SITE MANAGEMENT, CONTINUED

Figure 1. Area (within the black dashed line) within which earthworks will be monitored by an Archaeologist (approximately 50m from the southern boundary and foreshore reserve)



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## ***SITE MANAGEMENT, CONTINUED***

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### **Protocols Relating to Koiwi Tangata (Human Remains)**

If bone material is identified that could potentially be human, the following protocol will be adopted:

1. Earthworks/investigation should cease in the immediate vicinity while an Archaeologist establishes whether the bone is human.
  2. If it is not clear whether the bone is human, work shall cease in the immediate vicinity until the University's reference collection and/or a specialist can be consulted and a definite identification made.
  3. If bone is confirmed as human (koiwi tangata), the Archaeologist will immediately contact Iwi representatives (if not present), Heritage NZ and the NZ Police.
  4. The site will be secured in a way that protects the koiwi as far as possible from further damage.
  5. Consultation will be undertaken with all Iwi representatives as outlined in the authority, the Heritage NZ Regional Archaeologist and the authority holder to determine and advise the most appropriate course of action. No further action will be taken until responses have been received from all parties, and the koiwi will not be removed until advised by Heritage NZ.
  6. The Iwi representatives will advise on appropriate tikanga and be given the opportunity to conduct any cultural ceremonies that are appropriate.
  7. If the Iwi representatives are in agreement and so request, the bones may be further analysed by a skilled bio-anthropological specialist prior to reburial, in line with the *Heritage NZ Guidelines Koiwi Tangata Human Remains* (2014).
  8. Activity in that place can recommence as soon the bones have been reinterred or removed and authorisation has been obtained from Heritage NZ.
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### **Protocols Relating to Taonga (Maori Artefacts)**

Maori artefacts such as carvings, stone adzes, and greenstone objects are considered to be taonga (treasures). These are taonga tuturu within the meaning of the Protected Objects Act 1975. Taonga may be discovered in isolated contexts, but are generally found within archaeological sites. If taonga are discovered the following protocols will be adopted:

1. The area containing the taonga will be secured in a way that protects the taonga as far as possible from further damage, consistent with conditions of the Authority.
2. The Archaeologist will then inform Heritage NZ and the Iwi representatives so that the appropriate actions (from cultural and archaeological perspectives) can be determined.
3. These actions will be carried out within the stand down period specified below, and work may resume at the end of this period or when advised by Heritage NZ or the Archaeologist.
4. The Archaeologist will notify the Ministry for Culture and Heritage of the find within 28 days as required under the Protected Objects Act 1975. This can be done through the Auckland War Memorial Museum.

The Ministry for Culture and Heritage, in consultation with the tangata whenua, will decide on custodianship of the taonga (which may be a museum or the iwi whose claim to the artefact has been confirmed by the Maori Land Court). If the taonga requires conservation treatment (stabilisation), this can be carried out by the Department of Anthropology, University of Auckland (09-373-7999) and would be paid for by the Ministry. It would then be returned to the custodian or museum.

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## ***SITE MANAGEMENT, CONTINUED***

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### **Post-Earthworks Phase**

1. Any artefacts recovered and samples taken will be analysed and recorded by the appropriate specialists.
  2. Any Maori artefacts will be notified to the Ministry for Culture and Heritage in accordance with the Protected Objects Act 1975.
  3. The Project Archaeologist will provide a report to Heritage NZ and update the site record form within 20 days of the completion of archaeological work.
  4. The Project Archaeologist will complete a full monitoring report within 12 months of the end of the archaeological work, and will provide it to Heritage NZ and other parties identified in the Authority.
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### **Archaeology Team**

Rod Clough (PhD) will direct the project as the Section 45 archaeologist assisted by Kim Tatton (MA) as co-director. Fieldwork will be carried out by them or under their supervision.

The archaeological team will include some or all of the following:

<b>Name</b>	<b>Role</b>	<b>Responsibility</b>
Rod Clough, PhD	Director	Direct project
Kim Tatton (MA)	Co-Director	Monitoring, recording and prepare final report
Bernie Larsen (MA)	Archaeologist	Monitoring, recording
Ben Jones (MA)	Archaeologist	Monitoring, recording
Carly Mailhot (MA)	Archaeologist	Monitoring, recording
Jen Low, MA	Archaeologist	Monitoring, recording
Laura Dawson (MA)	Archaeologist	Monitoring, recording

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### **Other Personnel**

Other qualified field archaeologists or specialists may be brought in to the project if required. These may include specialists in particular categories of artefact or other remains.

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## ***SITE MANAGEMENT, CONTINUED***

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<b>Contact Details</b>	Project Archaeologist	Rod Clough: (09) 814 1946 or 0274850059, <a href="mailto:heritage@clough.co.nz">heritage@clough.co.nz</a> Kim Tatton: 021 684587, <a href="mailto:kimtaton@clough.co.nz">kimtaton@clough.co.nz</a>
	Heritage NZ Regional Archaeologist	Bev Parslow: (09) 307 9923 or 0272921445, <a href="mailto:ArchaeologistMN@heritage.org.nz">ArchaeologistMN@heritage.org.nz</a> Greg Walter: (09) 307 9924, <a href="mailto:AsstArchaeologistMN@heritage.org.nz">AsstArchaeologistMN@heritage.org.nz</a>
	Iwi representatives	Nigel Denny, Te Akitai Waiohua: 0223557273, <a href="mailto:kaitaiki@teakitai.com">kaitaiki@teakitai.com</a> Karl Flavell, Ngati Te Ata Waiohua: 0279328998, <a href="mailto:karl_flavell@hotmail.com">karl_flavell@hotmail.com</a>

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## ***SITE MANAGEMENT, CONTINUED***

### **Stand Down Periods**

Depending on what is revealed by the earthworks, stand down periods may be required at various stages to allow for archaeological work to be carried out or for consultation with the appropriate parties may be required at various stages.

Stand down will require earthworks to cease only in the immediate vicinity of the feature or find, and work may proceed in other areas. The following maximum stand down periods will apply, but earthworks may be resumed earlier if the required work has been completed.

Timeframes need to be flexible enough to ensure that archaeological works are completed as necessary to ensure that the conditions of the authority are met.

<b>Trigger</b>	<b>Stand Down Period</b>	<b>Requirements</b>	<b>Release</b>
Archaeological feature, deposit or artefacts	Up to 2 days within each area where remains are found (maximum 6 days), but work may continue in areas where no remains are identified	Sufficient time must be allowed for the Archaeologist to investigate and record the remains.	Work resumes when the Archaeologist advises the Contractor that work is completed
Significant archaeological feature, deposit or artefacts <sup>1</sup>	Up to 3 days for a response from Heritage NZ, and up to 3 days for any detailed investigation required	The likely requirement is a mitigation investigation and/or recording by standard archaeological techniques, but this will be advised by Heritage NZ.	Work resumes when the Archaeologist advises the Contractor that work is completed
Human bone found	As agreed between the project manager, Heritage NZ and Iwi	Heritage NZ and NZ Police to be satisfied that koiwi identification is correct. Iwi representative(s) to organise reinterment or removal of bones from site and appropriate cultural ceremonies.	Work resumes following reinterment or removal of bones from site and when authorisation from Heritage NZ has been received.
Taonga, or archaeological remains of Maori origin found that were not anticipated	Up to 3 days	Heritage NZ and Iwi representative(s) to be consulted on appropriate action. Archaeological recording as required	Work resumes when the Archaeologist or Heritage NZ advises the Contractor that work is completed

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<sup>1</sup> i.e. with the potential to provide significant information through detailed investigation

## ***SITE MANAGEMENT, CONTINUED***

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### **Authority Holder's Responsibilities**

Mt Hobson Group Ltd or their designated representative has the following responsibilities:

1. To advise Heritage NZ of the start and finish dates of any required archaeological work.
  2. To ensure that sufficient time is provided to carry out any archaeological investigations required.
  3. To provide sufficient site security to ensure that archaeological material on site is protected from unlawful excavation or removal.
  4. To ensure that a copy of the archaeological Authority is kept on site and its contents are made known to all contractors and subcontractors.
  5. To ensure that a copy of this Archaeological Management Plan is kept on site and its contents are made known to all contractors and subcontractors.
  6. To ensure that the conditions and protocols outlined in the Authority and this document are observed by Contractors and subcontractors.
  7. To provide a safe environment for the archaeologists to carry out their work.
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### **Contractor's Responsibilities**

The Contractor's responsibilities are as follows:

1. To meet the Project Archaeologist on site prior to the start of works for a briefing on the archaeological requirements.
  2. To provide the Project Archaeologist with 2 weeks' notification that project earthworks are about to begin, and to ensure that an Archaeologist is present when earthworks begin.
  3. To comply with the archaeological discovery protocols if archaeological sites, koiwi or taonga (pp.5 and 7) are discovered.
  4. To allow the Archaeologists sufficient time to investigate and record any archaeological remains before resuming works in the immediate vicinity.
  5. To ensure a safe working environment for the Archaeologists.
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## ***SITE MANAGEMENT, CONTINUED***

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### **Dispute Resolution**

Disputes fall into a number of categories but are usually the result of poor communication between the developer, subcontractors, Iwi representatives and the project archaeologists. Most can be avoided if sufficient detail of the archaeological issues and responsibilities is outlined in the tender document or work management documentation.

Common examples of a dispute are: that the subcontractors consider that the archaeologists are causing unacceptable delays, or that the archaeologists feel they have insufficient time to fulfil the obligations of the authority. In the event of a dispute relating to the Authority investigation the following procedure for resolution should be followed:

1. If the dispute relates to archaeological issues, a meeting between the Authority holder (or designated representative), Contractor or subcontractor and Archaeologists should be convened as soon as possible to attempt to resolve the dispute.
2. If the dispute relates to cultural issues, a meeting between the Authority holder (or designated representative), Contractor or subcontractor, Iwi representatives, and Archaeologists should be convened as soon as possible to attempt to resolve the dispute.
3. If the dispute cannot be resolved a further meeting of all parties with representatives of Heritage NZ will be arranged within 1 working day to resolve the dispute. Heritage NZ has ultimate responsibility for resolving issues relating to the conditions of the Authorities it issues.

Taonga tūturu (Maori artefacts) recovered from archaeological investigations are often deposited in local or national museums following archaeological analysis, and with the agreement of iwi. On other occasions iwi may prefer to retain ownership of artefacts and disputes can arise between different iwi with an interest in the area. Any disputes relating to the long term ownership and custody of taonga tūturu should be dealt with through the statutory processes of the Protected Objects Act 1975. The provisions of the Act require that all taonga tūturu are notified to the Ministry for Culture and Heritage within 28 days of the completion of archaeological fieldwork. Under s.11 and s.12 of the Act the Ministry for Culture and Heritage must notify all parties that have an interest in the taonga, and if competing claims for ownership are made and cannot be resolved the matter may be referred to the Maori Land Court for resolution.

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