

Western Springs Native Bush Restoration Construction Management Plan

Scope

To list and address all resource consent (LUC60321424) conditions applicable to the construction management plan (CMP) aspect of the Western Springs Pines Restoration project (13 in total).

Compliance with conditions

The following paragraph lists all resource consent conditions applicable to the CMP (pages 39 to 40 of the resource consent decision) and associated data required.

13. *Prior to the commencement of construction activity, the consent holder shall submit a finalised Construction Management Plan (CMP) to the Council's Team Leader Monitoring (Central) for certification. No construction activity shall commence until confirmation is provided from the council that the CMP satisfactorily meets all measures identified in that plan as needing to be put in place prior to commencement of works and the CMP is certified. The CMP required by this condition shall include specific details relating to the management of all construction activities, including:*
- a) *Details of the site or project manager and the construction liaison person, including their contact details (phone, postal address, email address);*

Function	Name	Phone number	Postal address	Email address
Project Manager	Brad Beach	M: 027 801 1434, DDI: 09 954 3669	21 Huia road, Otahuhu, Auckland	Brad.Beach@treescape.co.nz
Construction Liaison	Karl McLeod	M: 027 444 0876		karlm@kotahiprojects.com

- b) *An outline construction programme;*

- Please refer to the Western Springs Tree Removal Works Program (produced by Treescape Ltd, 2/3/2020)

c) *The proposed hours of work;*

Hours for tree felling activities will be limited to 7:30am-6pm Monday-Friday excluding public holidays as per resource consent conditions relating to construction hours (page 50, condition 50).

- *“The consent holder shall ensure that the tree felling and processing activities are only undertaken between the hours of 7.30am – 6pm Monday to Friday (excluding Public Holidays).”*
- This includes chainsaw operations and machinery movements.
- There will be minor activities outside of these hours which may include:
 - a. Establishment of light vehicles (staff arriving to site)
 - b. Prestart meetings, signing in etc.
 - c. Monitoring activities and site audits
 - d. Site walk including inspection and minor remediation of security fences and/or silt fences and other sediment controls, using hand held equipment that does not generate nuisance levels of sound at neighbouring properties.
 - e. Refuelling and maintenance of plant machinery (**excludes operation**)
 - f. Chainsaw maintenance and cleaning (**excludes operation**)

d) *Measures to be adopted to maintain the land affected by the works in a tidy condition in terms of disposal / storage of rubbish, the storage and unloading of construction materials and similar construction activities;*

General waste will be managed by:

- Rubbish 60l or similar size bin/sack to be positioned at sign in station within the site establishment area.
- Once the rubbish bin/sack reaches capacity it will be transported to Treescapes Otahuhu depot to be disposed of in general waste/recycling bins.

Storage and transport of construction material will consist of:

- Silt and security fencing will be transported into site from two entrances to the forest (see Figure 1 below showing the two access points annotated with yellow circles). The first entrance is through the concrete wall within the site establishment area. The second entrance is through the

Motions creek bridge that will be accessed via Western Springs Park.

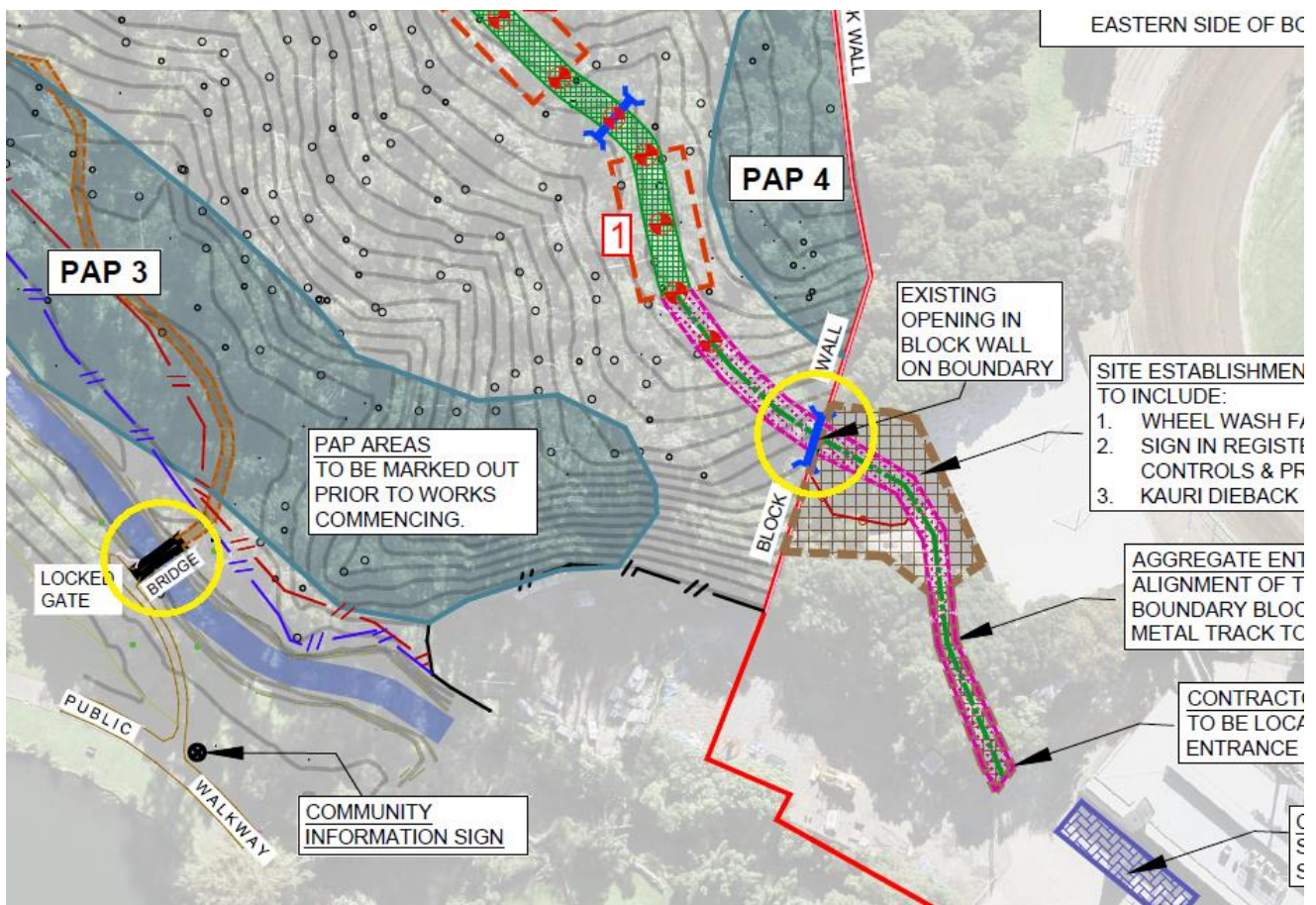


Figure 1: Fence construction access points.

- Any reserve security or silt fencing items will be stored in the site establishment area to be utilised for repair or reinstatement if required through the duration of the project.
- e) *Location of site infrastructure including site offices, site amenities, contractors' yards site access, equipment unloading and storage areas, contractor car parking, and security;*

For the following items please reference the "Overall Site Plan" (commissioned by Treescape, Prepared by CLC consulting ltd.)

- Site offices:
 - i. A covered area within western springs stadium located to the east of the worksite.

- Site amenities:
 - i. Wheel wash facility consisting of a pressure washer and water storage container.
 - ii. Sign in register for site visitation and contact tracing.
 - iii. Hand sanitiser.
 - iv. Kauri dieback cleaning station with brush and Trigene/Sterigene.
 - Contractors yard site access:
 - i. Site access is shown on the “Overall Site Plan” adjacent to the Contractors Hazard board.
 - ii. Access to the “contractors yard” is from Stadium Rd via Auckland Stadiums facilities access Road
 - Equipment unloading and storage area.
 - i. Machinery will be unloaded adjacent to the contractor parking area as shown on the site map.
 - ii. When unloading steel tracked machinery on a concrete surface, track mats/dunnage will be used to avoid damage to the surface.
 - iii. Various construction and site material will be unloaded on the aggregate access track within the site establishment area. These materials may be brought into site on 2 axle transport trucks or light trailers towed by utility vehicles.
 - iv. Equipment and construction materials will be stored within the site establishment area.
 - v. Some plant items such as excavator buckets and other implements may remain on/adjacent to the access track during works to allow for any immediate remediation.
- f) *Procedures for controlling sediment run-off, dust and the immediate removal of soil, debris, demolition and construction materials (if any) from public roads or places adjacent to the work site;*
- Erosion and sediment control will be undertaken in accordance with the approved Erosion and Sediment Control Plan (ESCP) prepared by Ridley Dunphy Limited.
 - All land disturbance will be undertaken using and cut and cover technique to ensure that disturbed ground is progressively stabilised to minimise the risk of erosion from rainfall or machinery movement.
 - As an additional measure, super silt fence will be erected along the eastern side of Motions Creek as per the ESCP and “Overall Site

Plan” to protect from any potential sediment runoff entering the water course.

- Likewise, a silt fence will be installed below the track in the “Site Establishment Area” as shown in “Overall Site Plan”.
- Treescape’s cut and place methodology for track construction means that there is no requirement for any soil to be removed from site.
- There is no requirement for immediate removal of debris.
- There are no demolition elements within this project.
- As a contingency, a wheel wash will be available for any vehicles that may require cleaning prior to exiting the site establishment area. This will comprise an IBC (1000l container / approx. 1m cube) and hand-held water blaster. Sediment-laden wash water will discharge to the super silt fence. Because the site will be maintained in a stabilised state and there will be a limited vehicle movements, the need to use the wheel wash is anticipated to be low, if at all.

g) *Evidence of consultation with MOTAT regarding the preparation of this CMP, identifying ways in which disruption to its ongoing operations and activities has been avoided, remedied or mitigated;*

- Please reference MOTAT Consultation Email correspondence excerpt below (26/02/2021) confirming that works will not impact the operations of MOTAT. Treescape will not schedule machinery movements on days of high occupancy at MOTAT as directed by MOTAT, and in particular, will manage site access to avoid conflicts with MOTAT education programmes including the activities listed below. This will ensure compliance with Condition 14.

*“Kia ora Brad
Thanks for this TMP.*

There doesn’t seem to be significant impact on MOTAT, however we would point out the following in relation to increased traffic on Stadium Road, which you may need to review the impact (if any) on your SMP:

- *During School Term Times, MOTAT will have usually 2, but up to 4 buses of school children using Stadium Road as drop off and pick up to/from site. This typically occurs in the time slots between 9:30am and 10:30am, and 1:30pm and 2:30pm. Buses may park up in between times, or circle out in the morning and return for the afternoon pick up.*
- *After school groups operate between 4:00 and 5:00pm, but kids are dropped off by parents in cars.*

- *During the School Holiday period, April 17 – May 2, we have increased visitation and therefore traffic and parking in Stadium Road. This may also include buses or mini-buses dropping groups that will participate in our school holiday programmes.*
- *April 2nd – 4th will be a large event weekend for us with increased visitation, again all private vehicle movements/parking*
- *We have Live Days on April 18th and May 16th, with increased visitation*
- *May 21 – 23 is another large event weekend for us with increased visitation, again all private vehicle movements/parking*
- *May 29 – 30 - another large event weekend for us with increased visitation, again all private vehicle movements/parking*

Happy to take a call to clarify anything,

Ngā mihi

Wayne Schache

General Manager - Business Services

h) Procedures for ensuring that MOTAT will be or has been given prior notice (at least 10 working days in advance) of the commencement of works and are informed about the expected duration and effects of those works;

- MOTAT point of contact will be given notice by via email and phone call. (Wayne Schache: 027 442 3993, wayne.schache@motat.org.nz)
- MOTAT will be contacted 10 working days prior to establishment works (security/silt fencing and compound setup).
- MOTAT will again be contacted 10 working day prior to excavator /s establishment and be provided a timeline of the works program.

i) Means of ensuring the health and safety of the general public, having particular regard to the general public accessing and utilising Western Springs Park, MOTAT and surrounds.

Please refer to the “Areas for Vacation” map (produced by Treescape 1/3/2021) and as shown in Figure 2, which shows the intended exclusion zones for Auckland Zoo and properties that would need to be vacated when felling trees from ground level.

- Security fencing will be installed as per the “Overall Site Plan” prior to physical works to ensure that all potential access to the forest has physical controls in place to prevent public entry.
- MOTAT staff, facilities and visitors will not be impacted by tree felling operations.
- “An exclusion zone is likely to be required for parts of Auckland Zoo, the most likely to be effected are the main containment facility perimeter fence and associated zoo assets, Elephant containment area inclusive of animal habitats and buildings, staff and service areas and associated property, enclosure and staff lunch area. The total impact during physical felling works is expected to be up to 3.5 hours per day for 3 days. A comprehensive staging programme has been developed in full consultation with the Zoo with the objective of completing and moving works quickly and safely away from the Zoo. The works will be undertaken in that manner to the satisfaction of the Zoo. Indication of the dates will be given 15 working days prior to commencement of the felling operations and daily updates 5 working days prior to the activities. Once further information is produced detailing the height of each individual tree and falling distance annotated on an aerial map, Auckland Zoo will review these areas that may require exclusion zones and advise their ability to facilitate mitigation measures.”
- Private properties within the exclusion zones identified in the “Areas for Vacation” map will need to be vacated during tree felling to comply with the “two tree length” rule. Scheduling of felling will be in work hours as this will also coincide with the highest chance of the dwellings being vacated by residents being at work. The contractor will work in with other residents who may be home-based to ensure that they can vacate for the necessary felling period of relevant each tree. A spotter will be placed on the road outside effected properties to ensure they don’t become occupied during felling.

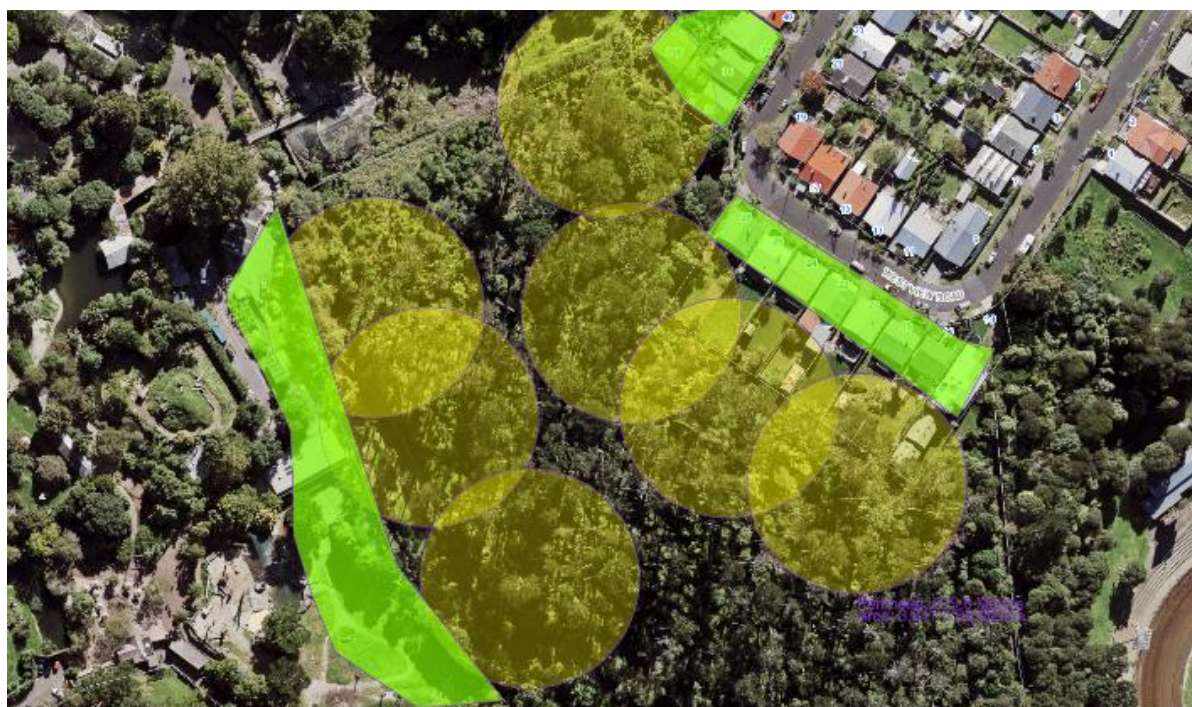


Figure 2: Areas for Vacation during felling - specific to individual trees. Light green zones indicate areas that will need to be vacated when adjacent trees are felled, denoted by green circles.

- Where tree felling activities come within two tree lengths of areas within Western Springs Park that have the potential to be occupied by park users, a temporary exclusion zone will be created as illustrated on the “Western Springs Park Public Protection Zone” map (Produced by Treescape 2/3/2) and Figure 3 below.
 - Danger tape will be installed as indicated on the map to form a physical and administrative delineation of the required exclusion zone.
 - Staff with radios will be positioned as per the potential entrance maps.
 - Spotters will ensure that public do not enter the area whilst tree felling is taking place.
 - In the event that public do not co-operate and enter the exclusion zone, spotters will radio felling crew to ensure that works are halted immediately until the exclusion zone is confirmed clear of public.



Figure 3: Western Springs Park Public Protection Zone. Public to be excluded when trees are felled within area denoted by green circle.

j) *Procedures for the management of works which directly affect or are located inclose proximity to existing network utility services.*

- A stormwater pipe is present in the overland flow path as per the “Overall Site Plan” but does not require protection from tree felling operation. Impact from tree felling is extremely unlikely to cause damage to underground services and will not require subsurface disturbance.
- The track construction will not intersect any underground infrastructure.
- No other utility assets will be impacted by the work. All existing manholes will be identified and marked.

k) *Procedures for responding to complaints about construction activities, including through the project website.*

- As required by Condition 8, prior to the commencement of the works, a suitably qualified person has been engaged in a community liaison role for the project. That person will be contactable on 0274 440876 and clc@kotahiprojects.com.

- The contact details will be provided on perimeter construction signage / information boards and on the project website.
- This person will be the main and readily accessible point of contact for persons interested in the project and will be available from 8am to 8pm on each work day for the duration of the project.
- All complaints that are generated through the project website, Auckland council call centre, Treescape website, Treescape office phone, Treescape project manager/site supervisor will all be relayed to the community liaison and project manager. A response will be determined (depending on origin of the complaint) and the appropriate party will respond.

Reference documents

1. "Overall Site Plan" Rev D (Produced by CLC Consulting (25/2/2021))