

**Construction Management Plan
Lot 107 Wattleup Road
Hammond Park WA 6164**

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Introduction

This Construction Management Plan (CMP) has been developed to ensure that process used by Urban Resources addresses Councils' requirements for Council DA, Development Approvals, Planning Permits and Building Approvals. This document applies to any project managed by Urban Resources or involving its employees. This document is to be used in conjunction with the Urban Resources Integrated Management System (IMS).

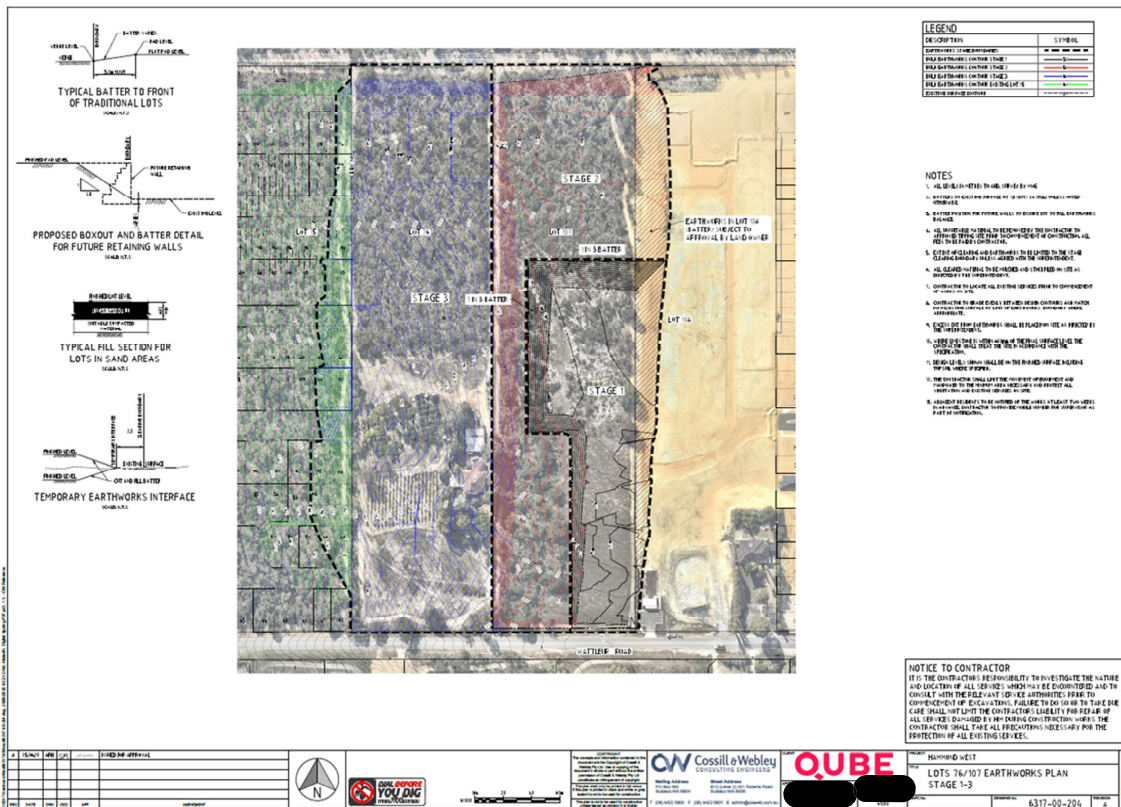
1. Project Details

Qube Hammond Link Pty Ltd are undertaking staged development of the land consisting of adjoining Lots 107 and 76 Wattleup Road, Hammond Park WA 6164.

The clearing and initial bulk earthworks are being undertaken by Urban Resources. Stage 1 of the bulk earthworks consists of vegetation clearing and excavation of soil to achieve finished surface level for future development of part Lot 107.

Site Owner Name & Address	Qube Hammond Link Pty Ltd Level 1 437 Roberts Road SUBIACO WA 6008
Location	107L Wattleup Road, Hammond park WA 6164
Lot No.	107
Plan/Diagram	P/8384
Folio No.	520
Volume No.	1310
DA Approval No.	DA20/0769 – 4411520 2020
Project Engineers / Superintendent	Cossil & Webley 2/431 Roberts road, Subiaco WA 6904
Bulk Earthworks Contractor	Urban Resources Pty Ltd 33 Cocos drive, Bibra lake WA 6163
Bulk Earthworks Project Manager	[REDACTED]
Bulk Earthworks Supervisor	[REDACTED]

2. Site Plan



CMP
 Authorised by: [REDACTED]

Revision 0
 Issue Date: - 12/11/2020

3. Project Program

The development site is subject to staged bulk earthworks.

Stage 1 bulk earthworks involve clearing of vegetation and excavation of soil to achieve a finished surface level for future development of part Lot 107. This stage is scheduled to start in November 2020 and anticipated to be completed with 26 weeks from the starting date.

4. Operational Hours, Noise and Vibration Controls

The site hours of operation will be in accordance with The Environmental Protection (Noise) Regulations 1997 which allows construction works to occur between 7:00am-7:00pm Monday to Saturday. No works will be conducted on Sundays and Public Holidays

Construction work is to be carried out in accordance with control of environmental noise practices set out in section 4 of AS2436-2010 Guide to noise and vibration control on construction, maintenance, and demolition sites.

5. Air, Dust and Noise Management

Controls for environmental noise and vibration are detailed within the Dust, Noise & Vibration Management Plan (MP/0071) approved by the City of Cockburn and include the following;

Proposed noise management control methods

1. Wherever possible, locate noisy machines away from main areas of activity. Otherwise, screen plant from work areas by using noise screens, berms or material stacked to form barriers.
2. Stationary noise sources should be sited as far as possible from noise sensitive areas and where necessary acoustic barriers should be used to shield them; such barriers may be proprietary types or may consist of site materials such as bricks or earth mounds.
3. Fit silencers to combustion engines. Ensure they are in good condition and work effectively
4. Ensure hand-held/operated tools are muffled. Selection of quietertools/machines.
5. Maintain machines regularly to keep them quieter. All machines must conform to noise emission standards.
6. Keep machinery covers and panels closed and well fitted. Bolts/fasteners done up tightly to avoid rattles.
7. Check for noise problems.
8. Switch off engines or reduce to idle when not in use.
9. For any particular job, the quietest plant and/or machinery should be used.
10. All equipment should be maintained in good working order and fitted with the appropriate silencers, mufflers or acoustic covers where applicable.
11. The movement of vehicles to and from the site will be controlled and will not take place outside the permitted hours unless with prior approval or is an exempted activity; employees will be supervised to ensure compliance with the noise control measures adopted.

Proposed vibration management control methods

In all cases the best practicable means of minimising vibration on the site will be adopted.

1. Dilapidation inspections of nearby residences considered to be within the zone of influence, as required under contract specification will be conducted on existing structures/buildings by a third-party qualified assessor prior to commencement of site works.
2. Standard vibrating equipment not to be used within 50 meters of existing buildings. Only static or low amplitude compaction equipment is to be used within 50 meters of existing buildings.
3. Vibration equipment should be fit for purpose and used in a manner to ensure compaction levels specified are attained, without unnecessary damage or noise.
4. If harmonic, resonant, or sympathetic vibrations are observed alternative compaction equipment is to be employed.
5. If vibration levels exceed an acceptable level, modified work practices will be employed

Proposed dust management controls

1. Advisory notices shall be issued to all nearby residents before site works commence. The notices shall include the extent of works, name of the developer, engineer for the developer, contractor, contract period and contact numbers. Noticeboard is to be erected in locations in locations required by the City which identifies for the surrounding community the following information;

- Extent of works
- Expected timeframes
- Name of Supervising civil engineer and onsite supervisor including phone contact details.

2. Managing and limiting the number of stockpiles and minimizing the time stockpiles are exposed. Keeping topsoil and under-burden stockpiles separate.

3. Areas of land cleared and the period they remain cleared is to be staged so bulk earthworks works do not exceed class 2 of the Guidelines during the moratorium period between 1st October and 31st March.

4. Stockpiles will not be required for this project.

5. Ensuring batters are designed with slopes no greater than 3:1 (horizontal: vertical).

6. Soil stabilization methods:

Temporary stabilisation of haulage tracks and earthwork areas during works and weekends, will be completed using water and Dustex.

On completion of the earthworks stage the area will be hydromulched.

7. Vehicle paths restricted to well defined dedicated routes. Plant and vehicles are not to use random routes. Plant will use delineated routes as far as practicable when undertaking specific tasks in a given area.

8. Water Cart with minimum capacity of 10,000 litres allocated to project with a 20–25 min fill time, maintaining site in a damp condition.

9. Site entries and surrounding streets will be swept on a regular basis with attention to days with material import occurring and as requested by a City representative.

10. Regular monitoring of Bureau of Meteorology weather forecasts to take into account predicted conditions that may present an increased risk to site operations and potential for

dust generation off the site. Appropriate contingency measures to be put in place including the cessation of works that may contribute to increased dust emissions off site during adverse weather/wind conditions.

11. No burning off is to occur. All vegetation is to be mulched and re-used on site where possible.

12. Any complaints generated due to dust will be directed to the site supervisor and stabilisation will occur within 18 hours of receiving the initial complaint.

13. Trucks must not be excessively loaded (Loadrite system is used) and loads must be covered.

6. Hazardous Materials / Acid Sulphate Soils

There are no hazardous or dangerous materials known to be present on this site, this includes asbestos containing material. Should asbestos containing material be identified, an asbestos management plan will be put in place in accordance with Urban Resources *SWP016 Working with Asbestos* work procedure.

The Acid Sulphate Soil Risk Map, Swan Coastal Plain (DWER 055) does not identify any risk of Acid Sulphate Soils and Potential Acid Sulphate Soils occurring on the site.

With an excavated floor elevation well above the water table, there is no risk of acid sulfate materials being encountered.

7. Environmental Management

7.1.1 Flora and Vegetation

The entire development site is proposed to be cleared of all existing vegetation in accordance with Clearing Permits. No clearing of native vegetation will occur before Clearing Permits have been approved.

7.1.2 Weed Management

All earthmoving/mobile plant and construction equipment will be washed down and cleaned of all vegetation, soil, and rock material prior to mobilisation to the site.

Common environmental weeds are to be identified prior to commencement of works and if appropriate, an identification chart of known weed species will be distributed to key personnel to aid in the identification and management of weeds. A weed control program will be implemented in ground disturbance areas where introduced species are present. Where required, infestations will be controlled by spot spraying or manual removal if necessary.

7.2 Fauna

Prior to commencing earthworks, a fauna management plan may be required to be implemented. If required, the fauna management plan will be undertaken prior to commencement of works and approved by the City.

During works any native animal which becomes injured or requires attention will be taken to the Native Arc Wildlife Hospital in Bibra Lake. For any other animals requiring attention, they will be taken to the closest available veterinary clinic.

7.3 Dieback

There is no known dieback infestation within the development site.

All earthmoving/mobile plant and construction equipment will be washed down and cleaned of all vegetation, soil, and rock material prior to mobilisation to the site.

7.4 Ground and Surface Water

There is no on site surface water on the development site. Surface water from rainfall or dust suppression will infiltrate directly into the soil and no erosion issues are anticipated.

Should any erosion be identified during routine maintenance and monitoring, recording and appropriate corrective action will be initiated.

8. Aboriginal Heritage

The development site is not identified on the Department of Aboriginal Affairs register for Aboriginal Sites of significance and no Aboriginal heritage impact permit is required prior to commencement.

if for any reason it becomes apparent that a new Aboriginal Site is uncovered, it will be reported to the Site Manager and compliance with the Aboriginal Heritage Act 1972 will be undertaken.

If any aboriginal artefacts are identified works will cease immediately and the Project Manager or Site Supervisor notified.

Significant sites that may be impacted by the works will be protected by actions such as:

- Clearly posted notices.
- Erection of fences or other barriers.
- Notification and protection of sites in accordance with the Aboriginal Heritage Act 1972.
- Keeping the locations of sites confidential except where it is necessary to identify and sign post the site to ensure its protection

Appropriate specialists will be brought to site to identify and assess the significance of the discovery. If the discovery is determined to be significant, all relevant regulatory authorities and community representatives will be informed as soon as is practicable. If human skeletal remains or burial site has been discovered the local police will also be informed.

9. Sediment Control and Dewatering

There will be no dewatering required on the development site during the bulk earthworks.

Stormwater will infiltrate directly into the soil and given the sandy, free draining nature of the soil, no pooling or runoff of surface water is expected from this site. Finished site batters will be no greater than 3:1 (horizontal to vertical).

The vehicle access point for entry and exit from the site is directly onto Wattleup Road. The condition of the road adjacent to the site will be monitored closely with a road sweeper deployed should soil or sediment from site cross the boundary onto the road.

10. Protection of Council Assets (streets, footpaths, laneways, and reserves)

There are no footpaths, laneways or reserves in the vicinity of the site that will be impacted by the bulk earthworks.

If required by the City, any works associated with the crossover to the site can be bonded to ensure restoration works are completed post construction.

11. Tree Protection

Development of the site will be subject to Clearing Permits and no clearing of vegetation will be commenced prior to clearing approvals being issued.

12. Building Waste on Public Land

There will be no generation of building waste from bulk earthworks during this stage of the development.

13. Parking and Traffic Management

13.1 Construction Related Vehicle Parking

Given the small scale of the bulk earthworks, it is anticipated there will be no more than two operational personnel at most times.

All construction related vehicles will be parked onsite with no on-street parking required. Due to the nature of the earthworks, it would not be unlikely that the location for onsite parking of vehicles may alter over the course of the works.

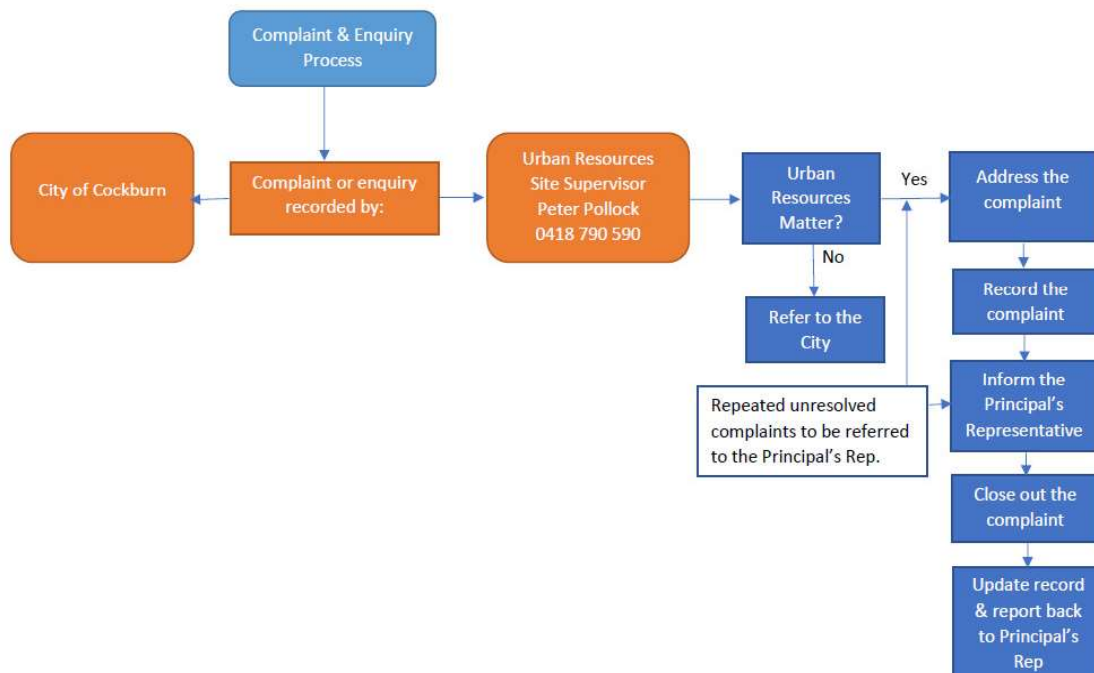
13.2 Traffic Management

A Traffic Management Plan (TMP) prepared by a MRWA accredited person will be submitted to the City's Engineering Services unit for approval prior to the commencement of the works.

The type of vehicles entering and exiting site during the export of material from the site is anticipated to be predominantly semi-tipper trailers with the possibility of some six wheelers. Volumes of vehicle movements will vary over the course of the development dependant on customer demand for material.

14. Complaints

Urban Resources has a documented procedure to deal with customer complaints in accordance with our quality management system that is currently certified as meeting the ISO 9001:2015 Standard. The flowchart below illustrates the process.



15. Checklist

WAPC Number:		Approval Date:	04/11/2020
DA / SU Number:	DA20/0769-4411520	Date:	
Project Details			
Property Address	Lot 107 Wattleup Road, Hammond Park WA		
Company Details (Name, Business Address, Contact Number)	[REDACTED]		
Contact details of person responsible for compliance with CMP (Name, Contact Number, Email Address)	[REDACTED]		
Contact person in control of the site (Name, Contact Number, Email Address)	[REDACTED]		
DA / Subdivision Engineering Approval Condition No.			

CMP Item	Deliverable	<input type="checkbox"/>	Notes
Site Plan	Site Plan	<input checked="" type="checkbox"/>	Refer Page 3
Project Program	Project Construction Schedule	<input checked="" type="checkbox"/>	Refer Page 4
Dilapidation Survey	Copy of Survey	<input checked="" type="checkbox"/>	N/A
Notification letter to Residents/Affected Landowners	Copy of Letter	<input checked="" type="checkbox"/>	Refer DMP MP/0071 approved by City of Cockburn
Air, Dust and Noise Management Plan	DMP submitted/approved	<input checked="" type="checkbox"/>	Refer DMP MP/0071 approved by City of Cockburn
Hazardous Material / Acid Sulfate Soils	Action Plan	<input checked="" type="checkbox"/>	N/A
Environment	Environmental Plan plus supporting data	<input checked="" type="checkbox"/>	Refer Page 6
Sediment Control / Dewatering	Action Plan	<input checked="" type="checkbox"/>	Refer Page 7
Parking and Traffic Management	Traffic Management Plan	<input checked="" type="checkbox"/>	Refer Page 8
Complaint Management	Complaint Management Plan and Flowchart	<input checked="" type="checkbox"/>	Refer Page 8

DISCLAIMER: Upon submission of the CMP, the applicant undertakes to hold the City of Cockburn indemnified against all claims which may be made against them for damages or otherwise, in respect of any loss, damage, death or injury caused by, or in the course of or arising out of the use of the road reserve and property of the City of Cockburn during all periods when the reserves are in use.

DECLARATION: I have read and understood the CMP Guidelines and I accept responsibility for ensuring compliance with the CMP, City of Cockburn Local Laws, Statutes and any conditions pertaining to the use of the road reserve and city property on behalf of the organization named below.

Name:	[REDACTED]
Signature:	[REDACTED]
Organisation:	Urban Resources Pty Ltd
Date:	12/11/2020