YaRRA
PLANNING AND ENVIRONMENT ACT 1987
YARRA PLANNING SCHEME
Report referred to in Development Plan Overlay
Schedule 11 - Amcor site, Heidelberg Rd,
Alphington relating to Part 2.0*
14/12/17
Goran Mater
For and on behalf of the Reponsible Authority
PAGES: 1 of 55
This is NOT a Building Permit
*Civil Works for Town Houses
(Stage 3.2) package only

CIVIL CONSTRUCTIONS

CONSTRUCTION MANAGEMENT PLAN

(Integrated Quality, Health & Safety and Environmental Plan)

C5258-2
YARRBEND TOWNHOUSES - STAGE 3.2, ALPHINGTON
(PROJECT)

CSC CIVIL CONSTRUCTIONS (AUST) PTY LTD
(CONTRACTOR)

GLENVILL PROJECT CONSTRUCTION LTD
(CLIENT)

JAS-ANZ

CCF SYSTEMS CERTIFIED CONTRACTOR

TABLE OF CONTENTS

PROJECT DETAILS 3
INTRODUCTION 4
INTEGRATED MANAGEMENT SYSTEM 4
PROJECT OBJECTIVES AND TARGETS 5
COMPANY MANAGEMENT, ROLES & RESPONSIBILITIES 5
DOCUMENT AND DATA CONTROL 5
OCCUPATIONAL HEALTH & SAFETY MANAGEMENT 6
QUALITY MANAGEMENT 7
LEGAL, INSURANCE & OTHER REQUIREMENTS 7
SUB-CONTRACTORS AND SUPPLIERS 8
COMPETENCY & TRAINING REQUIREMENTS 8
EMERGENCY AND INCIDENT MANAGEMENT 9
COMMUNICATION, CONSULTATION & REPORTING 9
AUDITING & NON-CONFORMANCE 9
PROJECT REVIEW 10
PLANNNING PERMIT CONDITIONS 10
CONSTRUCTION WORKS 11
MANAGEMENT PLAN 12
PROTECTION WORKS 14
DEMOLTION 15
SITE PLAN, AMENITY & PARKING 15
CONSTRUCTION PROGRAM 16
TRAFFIC MANAGEMENT PLAN 17
STAKEHOLDER ENGAGEMENT 18

AMENDMENT STATUS			
Rev	**Date**	**Amendments**	**Authorised By**
A	31/10/2017	For Council Approval	BS
B	24/11/2017	For Council Approval	BS

DISTRIBUTION REGISTER						
Rev	**Date**	**Issued To**				**Document / Comment**
		Client	**Consultant**	**Council**	**Site**	
A	31/10/2017	Y		Y		For Council Approval
B	24/11/2017			Y		For Council Approval

PROJECT DETAILS

PROJECT	**YARRABEND TOWNHOUSES - STAGE 3.2, ALPHINGTON**		
	Project No.	**C5258-2**	
	Start Date	**31/10/2017**	
	Contract Period	**12 Weeks**	
	Scope	**59 Lot Medium Density Sub-Division**	
		Earthworks	Road / Pavement Works
		Drainage	Sewer
		Communications	Electrical
		Gas	Water

CONTRACTOR	**CSC CIVIL CONSTRUCTIONS (AUST) PTY LTD**		
	EMERGENCY CONTACTS		
	CSC OFFICE	(03) 8872 7100	***24 Hr**
	***CSC Director on call will respond after hours**		
	Office Ph:	(03) 8872 7100	**Office Fax:** -
	Office Email:	admin@csccivil.com.au	
	Contract Manager	Brent Scoble	**Mobile:** 0413 619 706
	Email:	brent@csccivil.com.au	
	Project Manager	Brent Scoble	**Mobile:** 0413 619 706
	Email:	brent@csccivil.com.au	
	Site Supervisor	Travis O'Neil	**Mobile:** 0413 619 192
	Email:	travis@csccivil.com.au	

CLIENT	**GLENVILL PROJECT CONSTRUCTION**		
	Site Contact	Steve Lazorovski	**Mobile:** 0438 661 987
	Office Ph:	(03) 9573 8393	**Office Fax:** -
	Email:	steve.lazorovski@glenvill.com.au	
	Contact	Dylan De Silva	**Mobile:** 0477 318 348
	Office Ph:	(03) 9573 8389	**Office Fax:** -
	Email:	dylan.desilva@glenvill.com.au	

COUNCIL	**YARRA CITY COUNCIL**		
	Council Inspector	Daniel Clark	**Mobile:** 0438 324 551
	Office Ph:	(03) 9205 5555	**Office Fax:**
	Email:	daniel.clark@yarracity.vic.gov.au	
	CMP Officer	John Guilfoyle	**Mobile:** 0437 882 079
	Office Ph:	(03) 9205 5555	**Office Fax:**
	Email:	John.Guilfoyle@yarracity.vic.gov.au	

INTRODUCTION

The **Construction Management Plan (CMP)** has been prepared for **CSC Civil Constructions (AUST) Pty Ltd (CSC)** to demonstrate the processes in place to achieve the company Quality, Environmental and Health & Safety Policies and Objectives, specific to this Project.

The CMP includes:

- CSC Project Objectives and Targets;
- Client / Project Specific Conditions of Contract and Specification(s);
- Project Risk Assessment incorporating Environmental, Health & Safety;
- CSC Legal Requirements inclusive of Insurances, Authority Permits & "Dial before You Dig";
- CSC Inspection & Test Plan (ITP) to Monitor and Conform to Project Specific Conditions and Specification(s);
- CSC Safe Work Procedures (SWP) to Control Processes on site to Minimise Risk and ensure Compliance to Environmental, Health & Safety requirements by CSC Employees and Sub-Contractors;

The CMP outlines CSC's established processes, demonstrating conformance with Company Policies, Objectives, Quality, Environmental and Health & Safety Management Systems, Legal requirements, and the Client and Project Specific Contractual Conditions.

INTEGRATED MANAGEMENT SYSTEM

CSC operates under an **Integrated Management System (IMS)** incorporating Quality, Environmental and Health & Safety management. The IMS has been developed according to the requirements detailed in the standards below:

- AS/NZS ISO 9001:2008 (Quality Management System);
- AS/NZS ISO 14001: 2004 (Environmental Management System);
- AS/NZS 4801: 2001 (Occupational Health & Safety Management System);
- **Civil Contractors Federation (CCF)** Civil Construction Management Code (Issue 9), and;
- Audit criteria established by the Office of the Federal Safety Commissioner for the Australian Government Building and Construction OHS Accreditation Scheme

The IMS includes following documents:

IMS Manual
This Manual includes Quality, Environmental and Health & Safety Policies, Company Objectives and the scope and requirements of the IMS. This includes a description of IMS System Procedures, Processes and Documents.

IMS Procedures and Operating Procedures Manual
This Manual is divided into two parts.

Part 1 System Procedures documenting the management processes required by the IMS, to comply with Quality, Environmental and Health & Safety standards.

Part 2 System Documents used to manage the processes set-out in the System Procedures to ensure effective management and control of CSC Quality, Environmental and Health & Safety objectives and targets.

IMS Registers.
CSC maintains a series of Registers that record the documentation required under the IMS.

CSC IMS System is Audited Annually for ongoing conformance & a copy of the CCF Contractor Management System Certificate. (Refer to Attached)

PROJECT OBJECTIVES AND TARGETS

CSC's Objectives detailed in the IMS are incorporated into the PMP, which include the following:

- No Workplace Injuries
- No Environmental Incidents
- Deliver Project On Time / Every Time
- Deliver Project to a Quality No Less than what is Specified and a Quality Product with No Defects
- Provide a Friendly and Co-Operative Service whilst Developing a working Relationship with Clients & Consultants to maximise outcomes for Projects
- Maintain a Core group of Sub-Contractors & Suppliers that have demonstrated similar Quality, Environmental and Health & Safety Objectives and Performance to CSC
- Continual Improvement by way of Training, Co-Operation with Industry Peers, Other Industries and Organisations to establish BEST Industry Practices to apply to the Work Place.

COMPANY MANAGEMENT, ROLES & RESPONSIBILITIES

CSC maintains an IMS System Procedure "COMPANY MANAGEMENT ROLES & RESPONSIBILITIES" to define, document and communicate the Roles and Responsibilities of CSC Management and Employees to Establish, Implement, Maintain and Improve the CMP in accordance with the IMS.

The Name and Contact information for the Key Personnel allocated to this Project is detailed in Section 1 of this CMP.

The Project Manager and Site Supervisor, in addition to the Company Roles, have Key Responsibilities in the Management of the Project, Health & Safety, Environmental and Inductions onsite. These Responsibilities are detailed in the "Site OH&S Co-Ordination Plan". (Refer to Attached)

DOCUMENT AND DATA CONTROL

CSC maintains an IMS System Procedure "DOCUMENT & DATA CONTROL" to control documents required by the IMS. Defined controls include approval and issue, review and revision status, distribution and availability, legibility, and storage and disposal of obsolete documents. A Register "IMS Document Register" details all IMS documents relevant to this CMP.

CSC maintains an IMS System Document "Document Register" to record the Project Plans distributed during the course of the Project. New Plans on receipt are Date Stamped, updated on the Plan Register and distributed to site. The Project Manager and Site Supervisor are to ensure when a new plan is received the old document is destroyed / removed from site to avoid any errors.

OCCUPATIONAL HEALTH & SAFETY MANAGEMENT

CSC maintains an IMS System Procedure "Health & Safety" to identify and assess Risk associated with Health & Safety on site.

CSC conducts a Site Specific Health and Safety Assessment of each Project prior to commencing on site using the IMS System Documents to update Safe Work Method Statements (SWMS). SWMS identify potential Health & Safety Hazards relevant to the Project and if the Risk and Controls in place are adequate. The completed and signed SWMS include:

- ❑ SWMS - Works in the Vicinity of Existing Services
- ❑ SWMS - Earthworks
- ❑ SWMS - Demolition
- ❑ SWMS - Drainage
- ❑ SWMS - Sewer
- ❑ SWMS - Water
- ❑ SWMS - Gas Service
- ❑ SWMS - Electricity and Communications
- ❑ SWMS - Sub-Surface Drainage
- ❑ SWMS - Pavement Construction
- ❑ SWMS - Kerb and Channel
- ❑ SWMS - Wearing Surface Treatment
- ❑ SWMS - Retaining Walls
- ❑ SWMS - Asbestos

CSC Employees and Sub-Contractors are required to Review and Sign each SWMS to acknowledge that they have Read, Understood and will Work in accordance to the SWMS prior to commencing that specific task on each individual Project.

CSC Sub-Contractors are required to have a SWMS associated with their works. The Project Manager and Site Supervisor must sight these documents prior to any work commencing and if unavailable NO WORK can commence. Where a CSC SWMS is available for a Sub-Contractors work they will need to Sign onto that document, until such times a SWMS can be produced.

CSC creates a Site Management Plan and Traffic Management Plan taking into consideration the Project Specific Conditions, Health & Safety Hazards Register and CSC SWMS's. The Plans provide a Visual description on the Management of Health & Safety onsite.

QUALITY MANAGEMENT

CSC maintains a set of IMS System Procedures "TENDER & CONTRACT REVIEW" and "PROJECT PLANNING & MANAGEMENT" to manage Quality of Projects from Start to Finish.

CSC maintains a series of IMS System Documents, detailed in the IMS System Procedures that are used in the Quality Management of a Project. This includes Verification, Monitoring, Inspection and Test Activities, relating to Project Specific Conditions and CSC Expectations.

The Project Manager and Site Supervisor are to review the Documents Weekly to ensure continued Compliance to the Contract and CSC Project Expectations. These Documents include

- ❑ Program
- ❑ Tender Notes
- ❑ Contract Schedule
- ❑ Construction Report

The Project Manager and Site Supervisor are to Review the Inspection & Test Plan (ITP) as Required and at every Hold Point to ensure that all relevant Checks, Tests and Review of the Results has been completed and that the ITP is Signed-off to Verify Compliance. The Site Superintendent / Council and / or Client is expected to Sign-off at each Hold Point to acknowledge that the Evidence presented to them has been Verified and accepted prior to moving to the next step.

LEGAL, INSURANCE & OTHER REQUIREMENTS

CSC maintains an IMS System Procedure "LEGAL, INSURANCE & OTHER REQUIREMENTS" to identify and assess Statutory, Regulatory and Client requirements relating to CSC and Project Specific Conditions.

CSC IMS System Procedures "Environmental Legal Register" and "OHS Legal & Other Requirements Register" identify and detail the Legislation, Regulations, Policies, Guidelines and Codes of Practice applicable to CSC and the Project Specific Conditions.

Insurance
CSC maintains Insurances in accordance with Company Legislative Requirements and Project Specific Conditions.

- ❑ Work Cover **(Refer Appendix 2)**
- ❑ Public Liability **(Refer Appendix 2)**
- ❑ General Property
- ❑ Hired in Plant & Equipment
- ❑ Motor Vehicle
- ❑ Plant & Equipment
- ❑ Contract Works Insurance **(Refer Appendix 2)**

CSC updates the Public Liability Insurance for each Project to include the Client, Consultant, Council and Water Authorities in accordance with Project Specific Conditions.

CSC does not include Professional Indemnity Insurance. CSC provides information based on experience only, but it is the Responsibility of the Client, Consultant and or Council to verify any information and Issue a Site Instruction.

Dial Before you Dig
CSC performs a "Dial Before you Dig" Enquiry **(Refer Appendix 3)** prior to commencing any works onsite and is updated monthly. NO WORKS can commence until these documents have been obtained and services LOCATED onsite.

SUB-CONTRACTORS AND SUPPLIERS

CSC maintains an IMS System Procedure "PURCHASING" to manage the appointment of Sub-Contractors and the Acquisition of products from suppliers. The System Procedure is designed to ensure compliance to the Project Specific Conditions by:

- Evaluation of Sub-Contractors and Suppliers ability to meet the Project Specific Conditions
- Evaluation of Sub-Contractors and Suppliers ability to meet the Project Health & Safety, Environmental and Authority Certifications
- Review of the Project Specific Conditions with the Tendered Service for accuracy and rates to ensure that there is no discrepancy or omission prior to appointment or ordering
- Complete the CSC "Purchase Order" quoting the Order No, Services Required, Quantity and Rates. Project Specific Conditions should also be detailed on the Purchase Order
- Verify the Services Rendered and Products Supplied are in accordance with the Purchase Order

CSC Sub-Contractors and Suppliers allocated for the Project are detailed in the IMS System Document "Sub-Contractor & Supplier Contact List". These documents outline the Company Details, Service provided and an Evaluation of the minimum Systems, Insurance and Certification required for that Company.

COMPETENCY & TRAINING REQUIREMENTS

CSC maintains IMS System Procedure "COMPENTENCE AWARENESS & TRAINING" to determine the training requirements and competency levels of CSC Employees and Sub-Contractors.

CSC maintains an IMS System Document "Training Matrix" that lists all CSC Employees, Current Certifications and Future Training Requirements. The Training Matrix is updated when a New Employee commences with CSC, a Training Course is attended and as a minimum Monthly. (Refer to attached).

CSC Site Supervisors are required to have the minimum Training Requirements

- Construction Industry Card
- Level 2 First Aid Certificate and current CPR
- Electrical Spotters Certificate
- Electrical VEDN Certificate
- Traffic Management Certificate
- Trenching and Shoring Certificate
- Melbourne Water Recipient training

CSC Project Manager and Site Supervisor are required to review the Project Specific Requirements, SWMS, Sub-Contractor SWMS, and Training Matrix to ensure that all CSC Employees and Sub-Contractors are Qualified and Appropriately Trained for the works they are participating in.

CSC also maintains IMS System Documents "Employee Induction Sheet", "Visitor Induction Sheet" and "Sub-Contractor Induction Sheet" to induct ALL Persons entering a CSC Site. This Induction Process includes Site Familiarisation, Site Facilities, Emergency Management, Health & Safety Hazards and Controls, Environmental Hazards and Controls and Training Requirements. (Refer to Attached).

All contractors, tradespersons and subcontractors will operate in accordance with the Construction Management Plan.

CSC IMS Document "Site Safety Guide" is to be Read and Understood as part of the Induction Process and details the minimum CSC Safety Standards on CSC sites. (Refer to Attached).

EMERGENCY AND INCIDENT MANAGEMENT

CSC maintains IMS System Procedure "EMERGENCY & INCIDENT PREPAREDNESS & RESPONSE" to address the potential for Emergency situations and Potential accidents and incidents that can directly impact on the Health and Safety of Employees and to the Environment.

CSC maintains IMS System Documents "Emergency Contacts List"

CSC maintains IMS System Documents "Site Emergency Procedure" and "Site First Aid Procedure" that details the Designated First Aid Officer onsite and the Emergency Procedure in the event of an incident onsite. "Emergency Contacts List" provides the contact numbers in the event of an emergency, including Emergency Services and Authorities. These documents are to be displayed in the Site Shed at all times.

CSC maintains an IMS System Document "Incident & System Improvement Report" that must be completed for all accidents and incidents within 48 hours of an incident on site. Serious Incidents that are Reportable to WorkSafe must be reported ASAP and the "WorkSafe Incident Notification Form" completed and sent within 24 hours.

COMMUNICATION, CONSULTATION & REPORTING

CSC maintains IMS Procedure "COMMUNICATING, CONSULTING & REPORTING" for the Internal and External communication of Quality, Environmental and Health & Safety information.

CSC maintains an IMS Document "Community Information Leaflet" that provides information to Residents affected by the Development. The Leaflet includes CSC Contact Details, Duration of the Project, Start / Finish Times and Access Requirements. Refer to Attached.

CSC Site Inductions are covered in Section 14 "Competency and Training Requirements".

CSC Incident Reporting is covered in Section 15 "Emergency and Incident Management". All Incidents must be reported to CSC Management immediately and to the Client, Consultant and Regulatory Authorities as required.

CSC maintains IMS System Documents "Daily Pre-Start" and "Daily Report" that Communicates and Records Project Activities on a Daily Basis. The Daily Pre-Start enables the Site Supervisor to allocate work for the day, check competency and training requirements and compliance, discuss safety concerns and conduct Tool Box Meetings as required by Health and Safety Legislation.

Complaints from Clients, Councils and or Residents shall be recorded in the Site Daily Report and responded to by CSC Management within 24hours.

AUDITING & NON-CONFORMANCE

CSC maintains an IMS System Procedure "AUDITS". IMS System Document "Internal Site Audit" requires CSC to conduct Monthly Site Audits on each Project to evaluate Environmental, Health & Safety and Quality Management onsite in accordance with the CMP and summarise into a Report. The Audit Report is provided to the Project Manager who must ensure compliance is achieved within 3 days of the Audit. This is to be signed off by the Project Manager, Site Supervisor and checked by CSC Management. Significant Non-Conformances must be rectified at the time of the Site Audit.

IMS System Document "Project Summary" records all Non-Conformances for a Project and is reviewed weekly for Rectification and Conformance.

PROJECT REVIEW

CSC on completion of a Project CSC will review the CMP based on the Project Records including, Incidents, Non-Conformance, Site Audits, Inspection & Test Plans, Project Objectives and Costing. The Result of this will be measured against Customer Satisfaction and improvements made during IMS System Reviews.

PLANNNING PERMIT CONDITIONS

Please refer to the **Planning Permit** Conditions for application **PLN17/0041** applicable to the Civil Contractor.

8. Except with the prior written consent of the Responsible Authority, demolition or construction works must not be carried out:
   (a) Monday-Friday (excluding public holidays) before 7am or after 6pm;
   (b) Saturdays and public holidays (other than ANZAC Day, Christmas Day and Good Friday) before 9am or after 3pm; or;
   (c) Sundays, ANZAC Day, Christmas Day and Good Friday at any time;

Construction Management Plan

9. Before the development commences, a Construction Management Plan to the satisfaction of the Responsible Authority must be submitted to and approved by the Responsible Authority. When approved, the plan will be endorsed and will form part of this permit. The plan must provide for:
   (a) a pre-conditions survey (dilapidation report) of the land and all adjacent Council roads frontages and nearby road infrastructure;
   (b) works necessary to protect road and other infrastructure;
   (c) remediation of any damage to road and other infrastructure;
   (d) containment of dust, dirt and mud within the land and method and frequency of clean up procedures to prevent the accumulation of dust, dirt and mud outside the land,
   (e) facilities for vehicle washing, which must be located on the land;
   (f) the location of loading zones, site sheds, materials, cranes and crane/hoisting zones, gantries and any other construction related items or equipment to be located in any street;
   (g) site security;
   (h) management of any environmental hazards including, but not limited to,:
      (i) contaminated soil;
      (ii) materials and waste;
      (iii) dust;
      (iv) stormwater contamination from run-off and wash-waters;
      (v) sediment from the land on roads;
      (vi) washing of concrete trucks and other vehicles and machinery; and
      (vii) spillage from refuelling cranes and other vehicles and machinery;
   (i) the construction program;
   (j) preferred arrangements for trucks delivering to the land, including delivery and unloading points and expected duration and frequency;
   (k) parking facilities for construction workers;
   (l) measures to ensure that all work on the land will be carried out in accordance with the Construction Management Plan;
   (m) an outline of requests to occupy public footpaths or roads, or anticipated disruptions to local services;
   (n) an emergency contact that is available for 24 hours per day for residents and the Responsible Authority in the event of relevant queries or problems experienced;
   (o) the provision of a traffic management plan to comply with provisions of AS 1742.3-2002 Manual of uniform traffic control devices - Part 3: Traffic control devices for works on roads.

   During the construction:
   (p) any stormwater discharged into the stormwater drainage system must be in compliance with Environment Protection Authority guidelines;
   (q) stormwater drainage system protection measures must be installed as required to ensure that no solid waste, sediment, sand, soil, clay or stones from the land enters the stormwater drainage system;
   (r) vehicle borne material must not accumulate on the roads abutting the land;

(s) the cleaning of machinery and equipment must take place on the land and not on adjacent footpaths or roads; and

(t) all litter (including items such as cement bags, food packaging and plastic strapping) must be disposed of responsibly.

10. The provisions, recommendations and requirements of the endorsed Construction Management Plan must be implemented and compiled with to the satisfaction of the Responsible Authority.

CONSTRUCTION WORKS

CSC Civil Constructions (AUST) Pty Ltd has been contracted by Glenvill Project Construction to construct a 59 Lot Medium Density Sub-division and associated works referred to as Yarrabend Townhouses – Stage 3.2.

The Yarrabend Townhouses – Stage 3.2 is detailed on the Preliminary Wood & Grieve Engineers Plans **(Refer Appendix 5)** and no other works outside this area are covered by this CMP.

The Yarrabend Townhouses – Stage 3.2 works include the following:

DEMOLITION
- No Demolition or Tree Removal

EARTHWORKs
- Bulk Earthworks
- Detailed Lot and Road Cuts

SEWER
- Sewer pipe installation
- Property Connections
- Live Sewer Connection

DRAINAGE
- Stormwater drainage and pit installation
- House Connections
- Installation of SPEL Unit
- Rain Gardens

SERVICE INSTALLATION
- Trenching and conduit installation:
    - Electrical
    - Water & Gas
    - Opticom

WATER
- Pipe installation and connections
- Meter Assembly

ROAD CONSTRUCTION
- Heavy duty concrete pavement subgrade and crushed rock placement

LANDSCAPING
- Raingardens are to be installed to assist filtration of stormwater drainage
- Garden Beds and Planting in accordance with the Landscape Plans will be completed after the Building Construction

MANAGEMENT PLAN

CSC Civil Constructions implement an Environmental Management Plan (EMP) specific to the Construction Site.

The EMP is developed in accordance to the following Act, Regulations & Standards

- AS/NZS ISO 14001: 2004 (Environmental Management System)
- Environmental Protection Act 1970
- SEPP Control of Noise from Commerce, Industry & Trade
- Water Act 1989
- Dangerous Good Act 1985
- Fauna & Flora Guarantee Act 1988

The Environmental Management Plan **(Refer Appendix 9)** for Site which includes the following:

Management

- CSC Civil Constructions will perform Monthly Audits of the EMP onsite to ensure the EMP is being followed at all times
- Site Supervisor is responsible for inducting all Site Personnel on the EMP requirements
- Site Supervisor is responsible for installing and maintaining the environmental controls in accordance with the EMP.
- The amenity of the area will not be detrimentally affected by the construction through
    a) The transport of material or commodities to or from land;
    b) The appearance of any buildings, works or materials
    c) The emission of noise, artificial light, vibration, smell, fumes, smoke, vapour, steam, soot, ash, dust, waste water, waste products, grit, oil or the presence of vermin

Noise & Vibration

- All activities shall comply with the Environmental Protection Authority noise control Guideline 12 for Construction (Publication 1254 Oct 2008)
- Except with the written consent of the Responsible Authority, demolition or construction works must only be carried out between;
    - Monday to Friday (excluding Public Holidays) 7.00am – 6.00pm
    - Saturday & Public Holidays 9.00am – 3.00pm
- No Work is to be carried out on Sundays, ANZAC Day, Christmas Day or Good Friday without a specific permit. All site operations must comply with the relevant Environmental Protection Authority's Guidelines on Construction and Demolition Noise.
- All Site Personnel are to be inducted to keep Noise to a minimum at all times.
- All Plant Hire, Float Operators and Sub-Contractors are to be notified prior to coming to site that No Floats / Plant are to be moved outside of the hours specified.
- All Site Personnel are to be inducted that No Vehicles are to be parked external to site and once onsite are to be turned off if outside the specified working hours.
- All Cartage Companies are to be notified that No Trucks are to park in surrounding streets at any time and once onsite must park in the staging area and engine turned off if outside of the specified hours of work.
- All plant and machinery shall have the correct bafflers attached
- If requested by council, a noise and vibration report is to be complied by an accredited acoustic engineer and provided to council, at any time before or during demolition, excavation and construction works
- Equipment and machinery should not be operated if repairs or maintenance would eliminate or significantly reduce a characteristic of noise from its operation.

Dust Control

- Dust is to be controlled onsite with the use of Watercarts as required, with attention paid to Excavation of Stockpiles and Cartage of Materials on / off site
- Strong Wind Days need to be assessed prior to commencing works as to whether a Watercart will be able to control any Dust Generated and works stopped (if applicable)
- Stockpiles are to be consolidated and sealed by way of track rolling and the addition of water. If the material is Sandy in nature and or contaminated the stockpile must also be covered to prevent dust generation in strong winds

- Where temporary fence is utilised, it will be suitably covered with shade cloth

Sediment Control

- All development activities, materials, soil and debris will be contained within the site unless approved by the responsible authority
- Cut-off Drains are to be established along boundaries to prevent water run-off and directed to the onsite storage ponds **(Refer Appendix 9)**
- Any discharge of treated water into the Council stormwater system will meet EPA requirements and the relevant water authority requirements
- During construction, any stormwater discharged into the stormwater drainage system must be in compliance with the Environmental Protection Authority Guidelines
- During the construction stormwater drainage system protection measures must be installed as required to ensure that no solid waste, sediment, sand, soil, clay or stones from the land enters the stormwater drainage system
- Site Boundary is to be protected with Silt Fencing where any water is likely to flow during a rainfall event.
- All existing Drainage Pits internal / external to site must be protected with Silt Fencing and or Silt Sausages (Side Entry Pits). Silt Sausages must be checked before and after any rain event for build-up of sediment or damage to the Silt Sausage and rectified as required. No Silt protection is to be installed on Side Entry Pits along Heidelberg Rd in accordance with VicRoads requirements
- Fitted Silt Socks / Fine Mesh will be placed on all stormwater pits surrounding the site
- Stormwater / Ground Water is not to be directed or pumped into the existing Drainage System and shall be directed into the onsite storage pond, where applicable.
- Stockpiles are to be located away from any Drainage Pit / Swale or Road and is to be contained with Silt Fencing at the base of any batter once the Stockpile is in a permanent location and will not be altered (within 4 weeks).
- All Vehicles leaving site must be checked & cleaned or excess sediment prior to leaving site to minimise any sediment leaving site. On days of cartage a person will be located at the Entrance to Latrobe Ave to manage trucks entering / existing site. This person will be responsible for inspecting the vehicles leaving site and where not acceptable, stop prior to entering Heidelberg Rd.
- Rumble Grid is to be installed along the designated internal Truck Route to remove Mud prior to the Trucks leaving Site **(Refer Appendix 11)**
- Wash Down Area away from any existing Drainage and is designated for Vehicles to wash down prior to leaving site. **(Refer Appendix 9)**. Water is utilised from the onsite ring main and will run down to the existing Sediment Pond south of the House & Land Package. No Wash Down of any vehicle is to occur on Parkview Rd.
- No wash down from any plant or equipment will enter the Council stormwater system
- During construction, the cleaning of machinery and equipment must take place on the land and not on adjacent footpaths or roads
- External Vehicle Crossings, Footpaths and K&C are to be checked daily and prior to closure of the site for the day for Sediment and cleaned, as required
- External Roads are to be kept clean at all times. Any Sediment that is dropped onto the External Road is to be cleaned up immediately by site personnel. If the Sediment is unable to be cleaned off by Hand a Street Sweeper must be in attendance within 4 hours and or closure of the site for the day. The Site Supervisor is to inspect every 2 hours during the day and prior to the closure of the site for the day to ensure the road is an acceptable condition
- During the Construction vehicle borne material must not accumulate on the roads abutting the land
- A Street Sweeper will be utilised to clean council property when required, or if requested by council.

Waste Management

- Rubbish Bin (outside Site Shed), lined with Plastic Bag is to be utilised for Perishable Material from Site Personnel. The bin is to be emptied when full or at the end of each week, whichever occurs first.
- Skip Bin is provided for all Site Rubbish that is generated. The Skip is to be located where accessible for the Garbage Truck and is to be emptied, as required, by contacting SITA on (03) 8795 2000.
- Construction Waste such as Concrete, Asphalt, Wood, etc is to be separated, stockpiled onsite and disposed of to a recycling facility once there is a minimum Tandem Load available or at the end of the Project, whichever occurs first.

- Construction Materials such as Wooden Survey Pegs, Star Pickets, Conduits, etc are to be collected once no longer required, cleaned and stored in the container for re-use.
- Waste material, including liquid wastes such as paint, concrete slurries and chemicals, will not be discharged into a stormwater drain. Purpose wash bays will be provided for such cleaning of waste material
- A Trade waste hopper will be provided on site at all times for the containment of refuse
- All refuse that requires containment it to be placed in a refuse facility
- During construction, all litter (including items such as cement bags, food packaging and plastic strapping) must be disposed of responsibly
- Only licensed Bin Hire Contractors to be appointed

Chemicals

- No Chemicals are to be Stored onsite, inclusive of Fuel
- Refuelling of Plant is to occur in the designated refuelling area, located away from any Drainage Pit / Swale or Road
- Spill Kit is to be available in the Site Container in the event of a Fuel Spill
- Any spill causing pollution of an onsite water storage is to be removed immediately from site by an accredited sub-contractor.
- Any handling and disposal of contaminated site material must be in accordance with the requirements of the Environmental Protection Act 1970

Flora / Fauna

- There are no trees located in the Yarrabend Townhouses – Stage 3.2 works area
- Where safe to do so, retention of vegetation as habitat for wildlife must be considered.

Archaeological / Heritage

- Boiler House Building is currently protected under the Heritage Act
- Wetlap Building is currently protected under the Heritage Act
- The is no Archaeological requirements applicable to this site

PROTECTION WORKS

Asset Protection Permit

Glenvill Project Construction has obtained the Asset Protection permit for the Site.

The Asset Protection permit meets the following Council Requirements

- A Regulation 604 will be obtained from Council where required
- Relevant forms 3's and Form 4's will be issued
- Building Regulation '06 – Sect. 602(1) Protection work must be provided in respect of an adjoining property, before and during the carrying out of any building work, if required by the relevant building surveyor

CSC Civil Constructions (AUST) Pty Ltd are to adhere to the Asset Permit Conditions below

- Any person will not, without a permit, undertake any activity which is likely to or does damage, interfere with or destroy anything in, or under any road or council land including, without limitation, any fence, tree, tree band / guard, sign, sprinkler, service conduit, hydrant or other assets vested in or under the control of the council
- Any damage to council assets throughout the development will be reinstated to the standard and satisfaction of the responsible authority and at the cost of the permit holder with any relevant permits or consent obtained from council
- It is noted that the site is located within heritage area HO70 and any reinstatements or remediation works will be in line with council current standards and heritage policy

Dilapidation Report

A Dilapidation Survey has been completed for all council assets within a reasonable proximity to the site defined as the Yarrabend Townhouses – Stage 3.2 **(Refer to Appendix 6 for a copy of the Photographs contained within the memory stick provided as part of Yarrabend House & Land Package Construction Management Plan).** The photo's include but are not limited to

- Alphington Park
- Trees surrounding and within the site that are to be retained
- Pedestrian walk track at the southern side of the site
- Latrobe Ave, Parkview Dr & Heidelberg Rd Road Reserves

DEMOLTION

There is no demolition associated with this work.

SITE PLAN, AMENITY & PARKING

Site Signage

- Site Management Plan **(Refer Appendix 10)** is established for the Permanent Construction Signage required for the Duration of the Works. This signage is required to be in place prior to commencing construction onsite.
- CSC Civil Constructions Site Sign will be erected at the entrance to the Site (see below)

- The sign includes a 24 hour contact number that is directed to CSC Management after hours.

Site Security

- The site is currently secured with a combination of Permanent and Temporary chain mesh fence.
- The site entry / exit will be secured with chain and a CSC Lock with access limited to CSC Civil Constructions, Glenvill Projects, Glenvill Retail & Delta.
- The site will remain locked at all times when the site is not in operation
- Construction Site – Do Not Enter Signage will be located at a minimum spacing of 50m along all boundaries of the site.
- Site Security will be present between the hours of 6pm & 6am to protect assets from theft & vandalism.
- For the purpose of public safety, hoarding, temporary fencing, water filled barriers and alike are to remain in place until inspected by an authorised Council Officer, and approval has been granted for their removal
- Temporary Fencing must be supported internally, where footings / supports do not protrude past the fence-line, causing tripping hazards

Site Access

- A Road Closure & Site Access Traffic Management Plan has been prepared for the Project **(Refer to Appendix 11)**
- Site Access will be via Latrobe Ave for Construction Traffic.
- Site Access will be via Parkview Rd for Personal Vehicles.
- Gate 1 will be located 1 car length in from Heidelberg Rd and will be closed between the hours of 6pm – 6am
- Gate 2 will be located just past Lot 1 & Lot 2 Access Gates. No Parking will be permitted between Gate 1 & Gate 2 at any time.
- Gate 3 will be an alternate access to site for CSC Civil Constructions & Glenvill and once the Chandler Hwy works commence VicRoads.

Car Parking

- All CSC Civil Constructions Construction Personnel will be required to park vehicles onsite in the designated carpark **(Refer Appendix 11)**
- CSC Civil Constructions have made provision for up to 50 vehicles in the designated car park, accessed via a crushed rock track from Parkview Rd.
- Glenvill Projects, Glenvill Homes & Delta will provide designated carparking onsite. Location and number of vehicles will be specified prior to any Demolition or Building works commence.
- All contractor vehicles must park legally or in a nearby off-street parking facility
- During site inductions, all contractors and sub-contractors to be made aware of the lack of parking in the area and should seek private off street parks or use public transport

Amenities

- Site Amenities will be in accordance with Worksafe Guidelines.
- Site Amenities will be located as per the Site Management Plan **(Refer Appendix 10)**
- Site Amenities have been provided for an average of 20 Persons with up to a maximum of 50 Employees expected during peak periods of works

CONSTRUCTION PROGRAM

The Construction works are scheduled to commence in November 2017, pending Council Approval of Plans and Construction Management Plan.

A detailed Construction Program **(Refer Appendix 8)** has been attached for your records. The Program is based on the Contract Program and does not take into consideration delays associated with Inclement Weather or other factors outside the control of CSC Civil Constructions.

It is noted that any endorsement of this CMP does not constitute an endorsement of any civil / architectural plans, designs or drawings contained within the endorsed CMP document.

TASK	START	FINISH	WORKERS (No.)
EARTHWORKS			
-BULK EARTHWORKS	8/11/2017	24/11/2017	6
-DETAILED LOTS & ROAD CUT	13/2/2018	15/3/2018	6
SEWER	8/11/2017	23/1/2018	5
DRAINAGE (STORMWATER)	27/11/2017	6/2/2018	5
ELECTRICAL / COMMUNICATIONS	30/1/2018	20/2/2018	6
WATER / GAS	20/2/2017	6/3/2018	3
ROAD PAVEMENT			
-CRUSHED ROCK	16/3/2018	27/3/2018	5

*Start Date, Finish Dates and No. of Workers are estimates only based on the current scope of work and subject to council approval.

TRAFFIC MANAGEMENT PLAN

CSC Civil Constructions has created a series of Traffic Management Plans (TMP) for site **(Refer Appendix 11)**. A list of the TMP's are detailed below:

- TMP – Road Closure & Site Access
- TMP – Truck Route
- TMP – Traffic / Pedestrian Management Plan for Walking Track Closure (Update pending Council Main Drain Approval & Tree Removal Permits)

Glenvill Project Construction have obtained an Occupation Permit for the Latrobe Ave and Parkview Rd Road Closures to facilitate the redevelopment of the area.

CSC Civil Constructions engaged a VicRoads accredited Traffic Management Company (M1 Traffic Control) to create Traffic management plan(s) to comply with provisions of AS 1742.3-2002 Manual of uniform traffic control devices – Part 3: Traffic control devices for works on roads. The Plans **(Refer Appendix 11)** have been submitted and approved by VicRoads for the Road Closures on Latrobe Ave & Parkview Rd and the installation of Signage on Heidelberg Rd. The documents include:

- Vicroads MOA
- Road Closure Traffic Management Plan

All Plans are to be kept onsite at all times and implemented as required.

Construction Plant

Typical Construction Plant that is expected to enter / exit the site during the Construction Works is as follows:

- Low Loader (Float of Large Machinery)
- Semi Trailer (Delivery of Drainage Pipes)
- Truck & Trailer (Cartage Offsite)
- Tandem (Rock / Concrete Deliveries)
- Flatbed Truck (Float of Small Excavators and Rollers)
- 35-50t Excavator
- 20t Excavator
- 5-8t Excavator
- 40t Moxi Truck
- D6 Dozer
- 15t Roller
- Bobcat

Maximum height of trucks, including loads, travelling to & from the site, must clear all service cables and lines by the minimum clearance requirements of the relevant responsible authorities

Trucks will not be staged on local roads surrounding the site

Any deliveries on to site shall be within the confined construction working hours and that any necessary deliveries outside of permitted hours, that an out of hours permit request is submitted to Council Construction Management Support Unit. Works will not proceed until the relevant permit is approved

A permit is not required for short term deliveries that involve the movement of construction material directly from truck to site, where the following occurs

- No storage of materials on the footpath
- No use of plant/equipment
- A legally parked truck
- Safe passage for pedestrians is maintained

An occupation permit will be obtained from Council's Construction Management Unit (9205 5585) where out-riggers / stabilisers (arms) are used by a delivery truck

Vehicle movements to and from site will be as per vehicle route approved by council

Any trucks leaving site with excavation material will be adequately covered

STAKEHOLDER ENGAGEMENT

Community Consultation / Letter

CSC Civil Constructions conducted a Letter Drop on 10th February 2017 as part of the Construction Management Plan for the Yarrabend House & Land development, which included the following residents:

- Parkview Rd (including Bowling Club)
- Rivervue Gr
- View St
- Killor St
- Yarralea St (West side only)
- Roemer Cr
- Lucerne Cr (Between View Cr & Como St)

The letter includes Project Details, Road Closure information & Contact Details of the Client and Council. As the Yarrabend House & Land development is ongoing concurrently with the Yarrabend Townhouses – Stage 3.2 and there are no new road closures or additional effects on residents a new letter drop is not required.

A letter drop will take place notifying the locals of the next stage of development, at least every 4 months.

For any road/laneway closures 7 days notification to local residents will be issued to each resident via a letter drop, within 100m of the site. Prior to issue of notification Council must approve the notification letter.

Residents are to be notified 2 days in advance of scheduled noisy works, including, but not limited to, excavation and piling.

Yarra City Council to be notified in writing a minimum of 1 month in advance of the walking track closure (to the south of site).

Traffic and Pedestrian Management Plans and a Pedestrian Detour Plan will be submitted to council for approval prior to the closure of the walking track (to the south of site). Council must approve plans before they are implemented.

Any Occupation Permit requirements are to be assessed between the City of Yarra and Alphington Developments Pty Ltd (owner of land) as to whether a Permit is required for the closure of the walking track.

A letter drop will take place and provide notification to the Alphington Primary School, Alphington Residents and relevant stakeholders a minimum of 1 month in advance of the walking track closure (south of site). Council to approve written notification prior to the letter drop occurring.

Complaints from the Public / Council will be dealt with in the following way

a) Complaint raised to CSC Civil Constructions
b) If not directly informed, information will be passed to CSC Civil Constructions Directors (Brent Scoble / Mark Pringle)
c) Complaint assessed as Urgent or Non-Urgent
d) Any urgent complaint requires attendance to site on the same day, investigation completed and appropriate action taken.
e) Non-urgent Complaints are to be addressed within 3 days with an investigation and appropriate action taken

Council Permits

Permits / Consent will be obtained from the Council Construction Management Support Unit within Council, where required.

VicRoads Permits

VicRoads MOA has been obtained for the Latrobe Ave and Parkview Rd Road Closures **(Refer Appendix 11)**

An MOA will be obtained from Vicroads where required.

Service Authorities

- Service cables and lines must not be affected or interfered with without consent from the relevant responsible authority

Garbage Collection

- Civil Works will not affect Garbage Collection

Public Transport

- Bus
    - Civil Works will not affect Bus Stop
    - Road Closure signage is not to block or interfere with the Bus Shelter on Heidelberg

APPENDIX	DOCUMENT
1	**ACCREDITATION** • CCF Contractor Management Systems Certificate
2	**INSURANCE CERTIFICATES** • Public Liability • Work Cover
3	**DBYD** • Cover Page
4	**COUNCIL DOCUMENTAION** • CITY OF YARRA – Planning Permit PLN17/0041
5	**CONSTRUCTION LOCATION** • Wood & Grieve Engineers Plan 32497 – CI-000-P1 Rev C • Wood & Grieve Engineers Plan 32497 – CI-050-P01 Rev B • Wood & Grieve Engineers Plan 32497 – CI-060-P01 Rev C
6	**DILAPIDATION SURVEY** • Memory Stick inclusive of all photo's as requested by Council
7	**COMMUNITY CONSULTATION** • N/A
8	**CONSTRUCTION** • CSC Program of Works (Rev A)
9	**ENVIRONMENTAL MANAGEMENT PLANS** • CSC Environmental Management Plan
10	**SITE MANAGEMENT PLANS** • CSC Site Management Plan • CSC Site Safety Management Plan
11	**TRAFFIC MANAGEMENT PLANS (TMP)** • VICROADS MOA (Road Closures) • VICROADS Latrobe Ave / Parkview Rd Road Closure TMP v1.7 • CSC Road Closure & Site Access TMP • CSC Truck Route TMP • CSC Yarra River Walk Closure Pedestrian Management Plan

Contractor Management System

CERTIFICATE OF APPROVAL

No. 001-95710-C

This is to certify that the Management System at

CSC Group Incorporating CSC Civil Constructions (Aust) Pty Ltd, CSC Civil Constructions Pty Ltd as Trustee of the CSC Unit Trust, Licola Glen Pty Ltd Trading as CSC Civil Constructions

of

13 Trade Place, Vermont, Victoria 3133

Has been examined by assessors of QMS Certification Services and found to be conforming to the requirements of the Civil Contractors Federation Construction Management Code, inclusive of Environmental, Occupational Health and Safety and Quality Management.

CCF
Contractor Management Systems

In respect of the following activities:

Earthworks, Dams and Tailing Dams, Minor Road Reconstruction, Major Road Reconstruction, Subdivisional Road Works, Freeway Construction, Road Maintenance, Stormwater and Outfall Drainage, Water Reticulation and renewal, Sewer Reticulation and renewal, Gas Reticulation, Underground Power Reticulation, Telecommunication Reticulation, Trenchless or Directional Boring, Victorian Electrical Distribution Networks, Retaining Walls, Asphalt or Sealing, Kerbing and Concrete Paving, Block and other paving.

This certificate is valid from: 03/08/2017 to 03/08/2018
Original certification date: 05/08/2010

Gerry Bonner, CPEng, BEng, FIE Aust, Chairman – QMSCS Pty Ltd
Approval: QMSCS Pty Ltd Trading as QMS Certification Services
To verify the validity of this certificate please visit www.jas-anz.org/register

QMS Certification Services
QMSCS Pty Ltd
Trading as QMS Certification Services
Suite 107 - 17 Bolton Street
Newcastle NSW 2300 Australia

AVCB
ASSOCIATION OF ACCREDITED CERTIFICATION BODIES

JAS-ANZ

CCF
SYSTEMS CERTIFIED CONTRACTOR

ATC Insurance Solutions Pty. Ltd.
Address: Level 18, 167 Eagle Street,
Brisbane QLD 4000

ABN: 25 121 360 978
AFS Licence No. 305802

Certificate of Currency

This document certifies that the policy referred to below is currently intended to remain in force until 4:00pm on the expiry date shown and will remain in force until that date, unless the policy is cancelled, lapsed, varied or otherwise altered in accordance with the relevant policy conditions or the provisions of the 'Insurance Contracts Act 1984'.

Insurer:	Certain Underwriters at Lloyd's of London (UMR B087517Y135021)
Product Issuer:	This policy is issued by ATC Insurance Solutions Pty. Ltd. (ACN121 360 978, AFS License No. 305802) acting on behalf of Certain Underwriters at Lloyd's of London.
Class of Insurance:	Construction Liability Insurance
Policy No.	ATCCW00374
Insured:	CSC Civil Constructions Pty Ltd ATF CSC Unit Trust; CSC Civil Constructions (Aust) Pty Ltd; Licola Glen Pty Ltd T/as CSC Civil Constructions: Glenvill Project Construction (Principal); Wood & Grieve Engineers (Superintendent).
Interested Parties:	Alphington Developments Pty Ltd, Yarra Valley Water, Melbourne Water, Yarra City Council, Gresham Property Funds Management Limited as trustee of GPF No. 6
Contract Description:	Yarrabend, Alphington Townhouses – Stage 3.2
Contract Location:	28 Parkview Road, Alphington VIC 3078
Period of Insurance:	01-10-2017 to 01-10-2018 at 4:00pm
Interest Insured:	The Insureds legal liability to pay by way of compensation to third parties in respect of personal injury and/or property damage happening during the period of insurance caused by an occurrence in connection with the business of the insured.

Limit of Liability:

Legal Liability:	$ 20,000,000	any one occurrence
Products Liability:	$ 20,000,000	any one claim and in the aggregate for all claims
Vibration, Removal, Weakening of Support:	$ 1,000,000	any one occurrence
Property in Care, Custody or Control:	$ 100,000	any one occurrence

Signature:

Patrick O'Mara

Date: 24/10/2017

IMPORTANT:
In arranging this certificate, we are acting under an authority given to us by the insurer named above to issue certificates on their behalf. It does not reflect in detail the policy terms or conditions and merely provides a very brief summary of the insurance that is, to the best of our know knowledge, in existence at the date we have issued this certificate. If you wish to obtain details of the policy terms, conditions, restrictions, exclusions or warranties, you must refer to the policy contract.

DISCLAIMER:
In arranging this certificate, we do not guarantee that the insurance outlined will continue to remain in force for the period referred to as the policy may be cancelled or altered by either party to the contract at any time in accordance with the terms and conditions of the policy or in accordance with the terms of the 'Insurance Contracts Act 1984'. We accept no responsibility or liability to advise any party who may be relying on this certificate of such an alteration to or cancellation of the policy of insurance.

CERTIFICATE OF CURRENCY

GallagherBassett

Authorised Agent of the Victorian WorkCover Authority

1. STATEMENT OF COVERAGE

This employer is registered for WorkCover Insurance to cover its liabilities under the *Workplace Injury Rehabilitation and Compensation Act 2013* (and amendments).

This Certificate is valid from: **01/07/2017** **to:** **30/06/2018**

The information provided in this Certificate of Currency is correct at: **08/06/2017**

2. EMPLOYER'S INFORMATION

WorkCover Employer Number:

14707810

Legal Name:

CSC CIVIL CONTRUCTIONS (AUST) P/L

Trading Name:

ABN:

28 611 000 625

ACN/ARBN:

611 000 625

Melissa McColl
Premium & Credit Operations Manager
Gallagher Bassett Services Workers Compensation Vic Pty Ltd
For and on behalf of WorkSafe Victoria
A.C.N. 100 375 620
Locked Bag 3570 GPO Melbourne VIC 3001
Telephone (03) 9297 9000
Toll Free 1800 774 377
Fax (03) 9297 9010
Email wcv@gbtpa.com.au

DIAL BEFORE YOU DIG www.1100.com.au

Job No 13129866

Phone: 1100
www.1100.com.au

Caller Details

Contact: Mr Craig Lancaster
Company: CSC Civil Construction
Address: Trade Place 13 Trade Place
Vermont VIC 3133

Caller Id: 1609686 **Phone:** 0388727100
Mobile: Not Supplied **Fax:** 0388727111
Email: admin@csccivil.com.au

Dig Site and Enquiry Details

WARNING: The map below only displays the location of the proposed dig site and does not display any asset owners' pipe or cables. The area highlighted has been used only to identify the participating asset owners, who will send information to you directly.

User Reference: C5258-2 Yarra Bend Area 3.2
Working on Behalf of:
Other

Enquiry Date:	Start Date:	End Date:
20/10/2017	24/10/2017	28/02/2018

Address:
C5258-3.1 28 Parkview Road
Alphington VIC 3078

Job Purpose: Excavation
Onsite Activity: Mechanical Excavation
Location of Workplace: Both
Location in Road: CarriageWay,Footpath,Nature Strip

- Check that the location of the dig site is correct. If not you must submit a new enquiry.
- Should the scope of works change, or plan validity dates expire, you must submit a new enquiry.
- Do NOT dig without plans. Safe excavation is your responsibility. If you do not understand the plans or how to proceed safely, please contact the relevant asset owners.

Notes/Description of Works:
Not Supplied

Your Responsibilities and Duty of Care

- If plans are not received within 2 working days, contact the asset owners directly & quote their Sequence No.
- ALWAYS perform an onsite inspection for the presence of assets. Should you require an onsite location, contact the asset owners directly. Please remember, plans do not detail the exact location of assets.
- Pothole to establish the exact location of all underground assets using a hand shovel, before using heavy machinery.
- Ensure you adhere to any State legislative requirements regarding Duty of Care and safe digging requirements.
- If you damage an underground asset you MUST advise the asset owner immediately.
- By using this service, you agree to Privacy Policy and the terms and disclaimers set out at **www.1100.com.au**
- **For more information on safe excavation practices, visit www.1100.com.au**

Asset Owner Details

The assets owners listed below have been requested to contact you with information about their asset locations within 2 working days. Additional time should be allowed for information issued by post. It is **your responsibility** to identify the presence of any underground assets in and around your proposed dig site. Please be aware, that not all asset owners are registered with the Dial Before You Dig service, so it is **your responsibility** to identify and contact any asset owners not listed here directly.
** Asset owners highlighted by asterisks ** require that you visit their offices to collect plans.
# Asset owners highlighted with a hash require that you call them to discuss your enquiry or to obtain plans.

Seq. No.	Authority Name	Phone	Status
65487152	APA Group Networks, Thomastown	0881154500	NOTIFIED
65487149	Citipower - House	132206	NOTIFIED
65487148	City of Yarra	0392055555	NOTIFIED
65487150	Jemena Electricity Networks (Vic)	1300825469	NOTIFIED
65487151	Telstra VICTAS	1800653935	NOTIFIED
65487153	Yarra Valley Water Ltd.	0398721456	NOTIFIED

END OF UTILITIES LIST

Lodge Your Free Enquiry Online – 24 Hours a Day, Seven Days a Week

PLANNING PERMIT

Permit No: PLN17/0041

Planning Scheme: Yarra

Responsible Authority: City Of Yarra

ADDRESS OF THE LAND:

626 Heidelberg Rd Alphington VIC 3078

THE PERMIT ALLOWS:

Demolition of an existing dwelling, development of the land with the construction of townhouses and a reduction in the residential visitor car parking requirements generally in accordance with the Alphington Paper Mill Development Plan (Precinct 4B north)

THE FOLLOWING CONDITIONS APPLY TO THIS PERMIT:

Amended Plans

1. Before the development commences, amended plans to the satisfaction of the Responsible Authority must be submitted to and approved by the Responsible Authority. When approved, the plans will be endorsed and will then form part of this permit. The plans must be drawn to scale with dimensions, and three copies must be provided. The plans must be generally in accordance with the plans received by Council on 13 December 2016 but modified to show:

   (a) A complete set of all townhouse types, including floor plans and visible elevations;
   (b) Location and depth of porch canopies for each dwelling type;
   (c) Minimum front setback dimensions for Townhouse Lots 12 to 16 at each level, achieving a minimum setback of 2m from the front boundary (excluding the porch canopy);
   (d) Footpath along the western side of East Road increased to a minimum width of 1.5m and connecting with North Road or otherwise to the satisfaction of the Responsible Authority;
   (e) Provision for a footpath from North Road to the northern Pedestrian Link, at a minimum width of 1.5m, between Lots 45 and 46;
   (f) Notation confirming fixed privacy screens (i.e. SH & SCH) have a maximum of 25 per cent visual permeability;
   (g) Where proposed, replace privacy screens with screens comprising a minimum of 50 per cent openings to:
      i. Ground and first floors of townhouses to the north of North Road (i.e. Lots 31 to 48);
      ii. Ground and first floors of townhouses facing West Lane; and
      iii. Northern walls to balconies associated with Townhouse Lots 1 and 30.

Date: 23 August 2017

Bruce Phillips
Signature for the Responsible Authority

Planning and Environment Regulations 2015 No. 33/2015 Form 4 Sections 63, 64 64A and 86

(h) Remove privacy screens to the first and second floor kitchen windows of Lots 36, 37, 68, 70, 71 and 74;
(i) Provide openings within end balcony wing walls associated Lots 12, 16, 17, 21;
(j) Notations to confirm operable windows are provided to all habitable rooms;
(k) Provision for seven (7) visitor bicycle spaces;
(l) Bicycle rails designed and located so that bicycles can be readily accessed when vehicles are parked in garages or otherwise to the satisfaction of the responsible authority;
(m) Provision of a minimum of $6m^3$ of storage for each townhouse; and
(n) Location of mailboxes (e.g. notation included within legend panel)

Layout not altered

2. The development as shown on the endorsed plans must not be altered (unless the Yarra Planning Scheme specifies that a permit is not required) without the prior written consent of the Responsible Authority.

Maintenance

3. Before the development is occupied, or by such later date as approved in writing by the Responsible Authority, all screening and other measures to prevent overlooking as shown on the endorsed plans must be installed to the satisfaction of the Responsible Authority. Once installed the screening and other measures must be maintained to the satisfaction of the Responsible Authority.

4. Before the buildings are occupied, or by such later date as approved in writing by the Responsible Authority, all new on-boundary walls must be cleaned and finished to the satisfaction of the Responsible Authority.

Landscaping Plan

5. Before the development commences, an amended Landscape Plan to the satisfaction of the Responsible Authority must be submitted to and approved by the Responsible Authority. When approved, the amended Landscape Plan will be endorsed and will form part of this permit. The amended Landscape Plan must be generally in accordance with the Landscape Plan prepared by MDG Landscape Architects and dated 1 June 2017, but modified to include (or show):
   a) Any changes as a consequence of Condition 1;
   b) Specific detail of trees/shrubs within the planting outstands within the internal laneways, suitable for the size and location of the planting outstands;
   c) Landscape details showing proposed lighting, street furniture, paving and planting within the Right of Way;
   d) Site levels;

   to the satisfaction of the Responsible Authority.

6. Before the buildings are occupied, or by such later date as approved in writing by the Responsible Authority, the landscaping works shown on the endorsed Landscape Plan must be carried out and completed to the satisfaction of the Responsible Authority. The landscaping shown on the endorsed Landscape Plan must be maintained by:

   (a) implementing and complying with the provisions, recommendations and requirements of the endorsed Landscape Plan;

Date: 23 August 2017

Bruce Phillips
Signature for the Responsible Authority

(b) not using the areas set aside on the endorsed Landscape Plan for landscaping for any other purpose; and
(c) replacing any dead, diseased, dying or damaged plants,

to the satisfaction of the Responsible Authority.

Waste Management

7. The provisions, recommendations and requirements of the endorsed Waste Management Plan, generally in accordance with the Waste Management Plan prepared by Leigh Design dated 24 November 2016 must be implemented and complied with to the satisfaction of the Responsible Authority.

8. Except with the prior written consent of the Responsible Authority, demolition or construction works must not be carried out:

(a) Monday-Friday (excluding public holidays) before 7 am or after 6 pm;
(b) Saturdays and public holidays (other than ANZAC Day, Christmas Day and Good Friday) before 9 am or after 3 pm; or
(c) Sundays, ANZAC Day, Christmas Day and Good Friday at any time.

Construction Management Plan

9. Before the development commences, a Construction Management Plan to the satisfaction of the Responsible Authority must be submitted to and approved by the Responsible Authority. When approved, the plan will be endorsed and will form part of this permit. The plan must provide for:

(a) a pre-conditions survey (dilapidation report) of the land and all adjacent Council roads frontages and nearby road infrastructure;
(b) works necessary to protect road and other infrastructure;
(c) remediation of any damage to road and other infrastructure;
(d) containment of dust, dirt and mud within the land and method and frequency of clean up procedures to prevent the accumulation of dust, dirt and mud outside the land,
(e) facilities for vehicle washing, which must be located on the land;
(f) the location of loading zones, site sheds, materials, cranes and crane/hoisting zones, gantries and any other construction related items or equipment to be located in any street;
(g) site security;
(h) management of any environmental hazards including, but not limited to,:
    (i) contaminated soil;
    (ii) materials and waste;
    (iii) dust;
    (iv) stormwater contamination from run-off and wash-waters;
    (v) sediment from the land on roads;
    (vi) washing of concrete trucks and other vehicles and machinery; and
    (vii) spillage from refuelling cranes and other vehicles and machinery;
(i) the construction program;
(j) preferred arrangements for trucks delivering to the land, including delivery and unloading points and expected duration and frequency;
(k) parking facilities for construction workers;
(l) measures to ensure that all work on the land will be carried out in accordance with the Construction Management Plan;

Date: 23 August 2017

Bruce Phillips
Signature for the Responsible Authority

(m) an outline of requests to occupy public footpaths or roads, or anticipated disruptions to local services;
(n) an emergency contact that is available for 24 hours per day for residents and the Responsible Authority in the event of relevant queries or problems experienced;
(o) the provision of a traffic management plan to comply with provisions of AS 1742.3-2002 Manual of uniform traffic control devices - Part 3: Traffic control devices for works on roads.

During the construction:

(p) any stormwater discharged into the stormwater drainage system must be in compliance with Environment Protection Authority guidelines;
(q) stormwater drainage system protection measures must be installed as required to ensure that no solid waste, sediment, sand, soil, clay or stones from the land enters the stormwater drainage system;
(r) vehicle borne material must not accumulate on the roads abutting the land;
(s) the cleaning of machinery and equipment must take place on the land and not on adjacent footpaths or roads; and
(t) all litter (including items such as cement bags, food packaging and plastic strapping) must be disposed of responsibly.

10. The provisions, recommendations and requirements of the endorsed Construction Management Plan must be implemented and complied with to the satisfaction of the Responsible Authority.

11. Except with the prior written consent of the Responsible Authority, demolition or construction works must not be carried out:

(d) Monday-Friday (excluding public holidays) before 7 am or after 6 pm;
(e) Saturdays and public holidays (other than ANZAC Day, Christmas Day and Good Friday) before 9 am or after 3 pm; or
(f) Sundays, ANZAC Day, Christmas Day and Good Friday at any time.

Environmentally Sustainable Design

12. Before the use and/or development commences, an amended Sustainable Design Assessment to the satisfaction of the Responsible Authority must be submitted to and approved by the Responsible Authority. When approved, the amended Sustainable Design Assessment will be endorsed and will form part of this permit. The amended Sustainable Design Assessment must be generally in accordance with the Sustainable Design Assessment prepared by Cundall and dated January 2017, but modified to include or show:
(a) BESS assessment updated to acknowledge glazing commitments contained within the NatHERS;
(b) Correctly reference the number of dwellings

13. The provisions, recommendations and requirements of the endorsed Sustainable Design Assessment must be implemented and complied with to the satisfaction of the Responsible Authority.

Infrastructure

14. Before the buildings are occupied, or by such later date as approved in writing by the Responsible Authority, the road widening and infrastructure adjacent to the site must be

Date: 23 August 2017

Bruce Phillips
Signature for the Responsible Authority

completed by the "owner" of the Amcor land or the "owner" must enter into a Section 173 Agreement for the completion of these works.

15. Before the buildings are occupied, or by such later date as approved in writing by the Responsible Authority, any damage to Council infrastructure resulting from the development must be reinstated:

    (a) at the permit holder's cost; and
    (b) to the satisfaction of the Responsible Authority.

Engineering Services

16. Before the buildings are occupied, or by such later date as approved in writing by the Responsible Authority, any new vehicle crossing must be constructed:

    (a) in accordance with any requirements or conditions imposed by Council;
    (b) at the permit holder's cost; and
    (c) to the satisfaction of the Responsible Authority.

17. Before the buildings are occupied, or by such later date as approved in writing by the Responsible Authority, any redundant vehicular crossing must be demolished and re-instated as standard footpath and kerb and channel:

    (a) at the permit holder's cost; and
    (b) to the satisfaction of the Responsible Authority.

18. Before the buildings are occupied, or by such later date as approved in writing by the Responsible Authority, the area set aside on the endorsed plans for the car parking spaces, access lanes, driveways and associated works must be:

    (a) constructed and available for use in accordance with the endorsed plans;
    (b) formed to such levels and drained so that they can be used in accordance with the endorsed plans;
    (c) treated with an all-weather seal or some other durable surface; and
    (d) line-marked or provided with some adequate means of showing the car parking spaces;

    to the satisfaction of the Responsible Authority.

Lighting Design

19. Before the buildings are occupied, or by such later date as approved in writing by the Responsible Authority, external lighting capable of illuminating pedestrian walkways and dwelling entrances must be provided. Lighting must be:

    (a) located;
    (b) directed;
    (c) shielded; and
    (d) of limited intensity,

    to the satisfaction of the Responsible Authority.

20. Before the development commences, a Public Lighting Plan to the satisfaction of the Responsible Authority must be submitted to and approved by the Responsible Authority. The

Bruce Phillips

Date: 23 August 2017

Bruce Phillips
Signature for the Responsible Authority

Public Lighting Plan must address lighting within the internal streets and other publicly accessible areas and the entrances to the approved dwellings. When approved, the Public Lighting Plan will be endorsed and will form part of this permit. The Public Lighting Plan must provide for:

(a) A lighting scheme designed for new open public roads within the curtilage of the property that complies with uniformity requirements as per standard AS1158.3.1;
(b) The control of light spillage into the windows of existing and proposed residences to comply with the requirements of AS 4282 – 1997," Control of the obtrusive effects of outdoor lighting";
(c) The locations of any new light poles so as not to obstruct access into private garages/off and on street parking places;
(d) Lighting to all primary pedestrian access points to a residential property to satisfy at least level P4 as per AS 1158.3.1;
(e) A maintenance regime for the lighting scheme within the curtilage of the property.
(f) The use of energy efficient luminaries and/or solar lighting technologies to reduce carbon emission if possible.

21. The provisions, recommendations and requirements of the endorsed Public Lighting Plan must be implemented and complied with at no cost to Council and to the satisfaction of the Responsible Authority.

22. Before the buildings are occupied, or by such later date as approved in writing by the Responsible Authority, external lighting capable of illuminating pedestrian walkways, laneway and dwelling entrances must be provided. Lighting must be:

(e) located;
(f) directed;
(g) shielded; and
(h) of limited intensity,

to the satisfaction of the Responsible Authority.

Section 173 Agreement

23. Unless otherwise agreed by the Responsible Authority, prior commencement of the development authorised by this permit, the owner (or another person in anticipation of becoming the owner) must enter into an agreement with the Responsible Authority under section 173 of the *Planning and Environment Act* 1987, which provides for the following:

(a) Landscaping works within the right of way (RoW), including all paving, planting and drainage in accordance with the approved landscape plans required pursuant to condition 5.
(b) The cost of the design and construction of works referred to in condition 23(a) to be borne by the owner of the land;
(c) Before the occupation of the development approved by this permit, the RoW must be substantially completed to the satisfaction of the Responsible Authority
(d) Unfetted 24 hours public access through the RoW to be maintained
(e) That land within the RoW to be maintained, in accordance with the approved maintenance specification and to the satisfaction of the Responsible Authority, for the life of the proposed development unless alternative arrangement are agreed by the owner of the land and Yarra City Council.

Date: 23 August 2017

Bruce Phillips
Signature for the Responsible Authority

The owner, or other person in anticipation of becoming the owner, must meet all of the expenses of the preparation and registration of the agreement, including the Responsible Authority's costs and expenses (including legal expenses) incidental to the preparation, registration and enforcement of the agreement.

Environmental Audit

24. Before the construction of the development authorised by this permit commences, an assessment of the land to the satisfaction of the Responsible Authority must be submitted to and approved by the Responsible Authority. The assessment must be prepared by an environmental professional with suitable qualifications to the satisfaction of the Responsible Authority and must include:

    (a) a description of previous land uses and activities on the land;
    (b) an assessment of the level, nature and distribution of any contamination within, or in close proximity to, the land;
    (c) details of any provisions, recommendations and requirements (including but not limited to, clean up, construction, ongoing maintenance or monitoring) required to effectively address and manage any contamination within the land; and
    (d) recommendations as to whether the land is suitable for the use for which the land is proposed to be developed and whether an Environmental Auditor should be appointed under section 53S of the *Environment Protection Act* 1970 (**EP Act**) to undertake an Environmental Audit in accordance with the provisions of the EP Act.

25. If the assessment required by condition 24 does not result in a recommendation that an Environmental Auditor be appointed under section 53S of the EP Act to undertake an Environmental Audit in accordance with the provisions of the EP Act, all provisions, recommendations and requirements of the assessment must be implemented and complied with to the satisfaction of the Responsible Authority.

26. If the assessment required by condition 24 results in a recommendation that an Environmental Auditor be appointed under section 53S of the EP Act to undertake an Environmental Audit in accordance with the provisions of the EP Act, before the construction of the development authorised by this permit commences, the Environmental Auditor appointed under section 53S of the EP Act must undertake an Environmental Audit in accordance with the provisions of the EP Act and issue:

    (a) a Certificate of Environmental Audit for the land in accordance with section 53Y of the EP Act (Certificate); or
    (b) a Statement of Environmental Audit for the land in accordance with section 53Z of the EP Act (Statement),

    and the Certificate or Statement must be provided to the Responsible Authority.

27. If, pursuant to condition 26, a Statement is issued:
    (a) the development authorised by this permit must not be undertaken unless the Statement clearly states that the land is suitable for the sensitive use for which the land is being developed;
    (b) the development authorised by this permit must not be undertaken until compliance is achieved with the terms and conditions that the Statement states must be complied with before the development commences (pre-commencement conditions);

Bruce Phillips

Date: 23 August 2017

Bruce Phillips
Signature for the Responsible Authority

(c) before the construction of the development authorised by this permit commences, a letter prepared by the Environmental Auditor appointed under section 53S of the EP Act which states that the pre-commencement conditions have been complied with must be submitted to the responsible authority.

(d) if any term or condition of the Statement requires any ongoing maintenance or monitoring, the owner of the land (or another person in anticipation of becoming the owner of the land) must enter into an agreement with the Responsible Authority pursuant to section 173 of the Planning and Environment Act 1987 (Agreement). The Agreement must:
   i. provide for the undertaking of the ongoing maintenance and monitoring as required by the Statement; and
   ii. be executed before the sensitive use for which the land is being developed commences; and

(e) the owner of the land, or other person in anticipation of becoming the owner, must pay all costs and expenses (including legal expenses) of, and incidental to, the Agreement (including those incurred by the Responsible Authority).

Expiry

28. This permit will expire if:

(a) the development is not commenced within two years of the date of this permit; or
(b) the development is not completed within four years of the date of this permit.

The Responsible Authority may extend the periods referred to if a request is made in writing before the permit expires or within six months afterwards for commencement or within twelve months afterwards for completion.

Notes:

A building permit may be required before development is commenced. Please contact Council's Building Services on 9205 5095 to confirm.

Provision must be made for drainage of the site to a legal point of discharge. Please contact Council's Building Services on 9205 5095 for further information.

All future residents residing within the development approved under this permit will not be permitted to obtain resident, employee or visitor parking permits.

A local law permit (e.g. Asset Protection Permit, Road Occupation Permit) may be required before development is commenced. Please contact Council's Construction Management Branch on Ph. 9205 5585 to confirm.

Areas must be provided inside the property line and adjacent to the footpath to accommodate pits and meters. No private pits, valves or meters on Council property will be accepted.

The applicant must apply for a Legal Point of Discharge under Regulation 610 – Stormwater Drainage of the Building Regulations 2006 from Yarra Building Services unit. Any storm water drainage within the property must be provided and be connected to the nearest Council pit of adequate depth and capacity (legal point of discharge), or to Council's satisfaction under Section 200 of the Local Government Act 1989 and Regulation 610.

Prior of the commencement of the development, the permit holder must provide Council with the location of all future assets within the road reserve. Offsets, depths and gaps in between

Date: 23 August 2017

Bruce Phillips

Bruce Phillips
Signature for the Responsible Authority

services must comply with the requirements of new 2016 version of the Code of Practice – Management of Infrastructure in Road Reserves.

Date: 23 August 2017

Bruce Phillips
Signature for the Responsible Authority

PRELIMINARY - CIVIL ENGINEERING

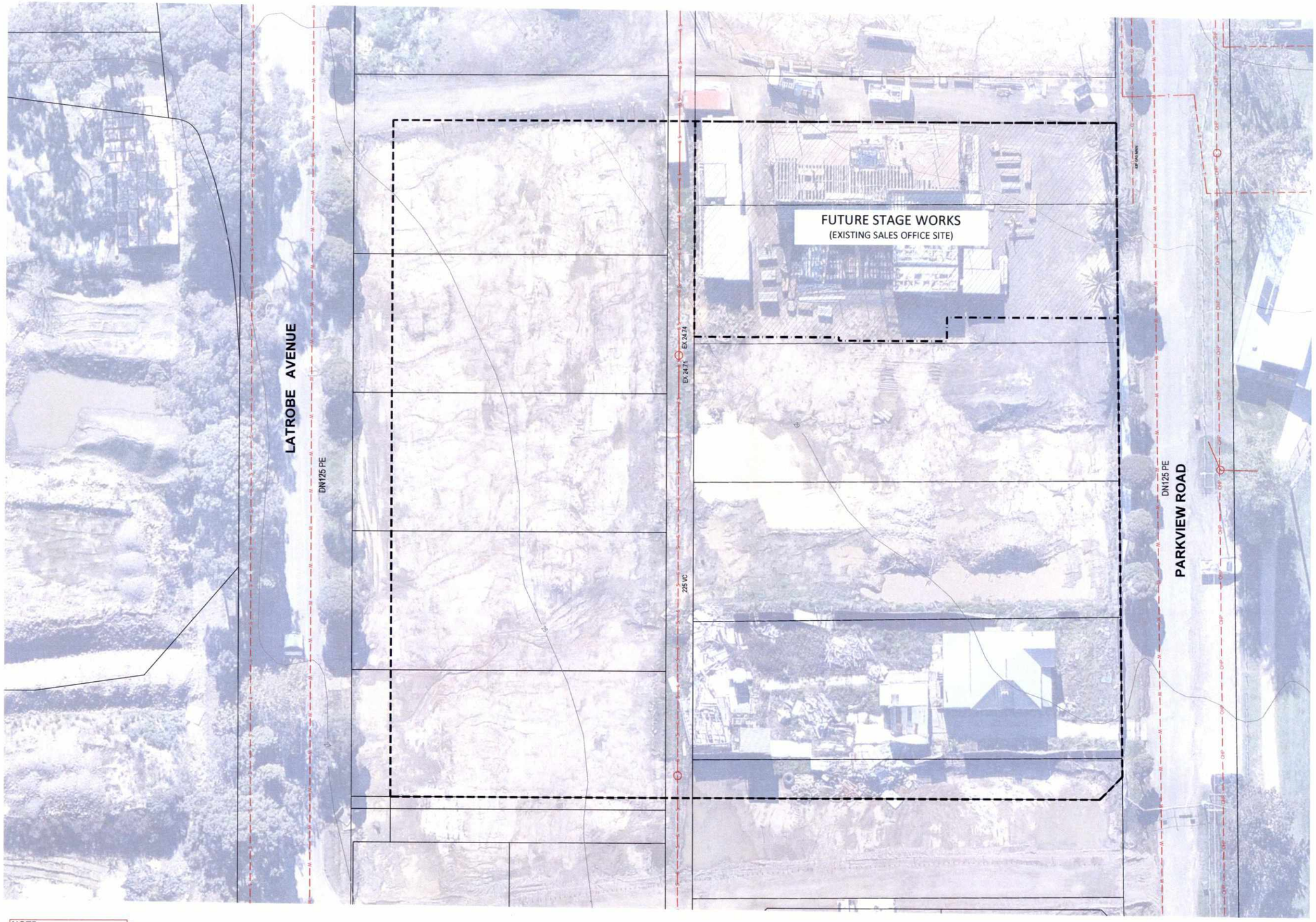
DESIGN & CONSTRUCT NOTE

THIS DRAWING PACKAGE IS UNDER DESIGN DEVELOPMENT AND IT SHOULD NOT BE INTERPRETED AS BEING COMPLETE OR IN FINAL FORM. THESE DRAWINGS HAVE BEEN PROVIDED FOR THE PURPOSE OF REVIEWING THE STATUS AND PROGRESS OF THE SERVICES ONLY AND IT SHOULD NOT BE RELIED UPON EXCLUSIVELY FOR THE PURPOSES OF PRICING THE WORKS. ANY PARTY USING THESE DRAWINGS FOR PRICING PURPOSES DOES SO ENTIRELY AT THEIR OWN RISK AND MUST TAKE SUITABLE COST CONTINGENCIES TO ALLOW FOR WORKS NOT YET DOCUMENTED, IN ORDER TO FUND THE PROJECT THROUGH TO COMPLETION. ANY PARTY USING THESE DRAWINGS FOR PRICING PURPOSES INDEMNIFIES AGAINST AND RELEASES WGE FROM ANY LIABILITY ARISING OUT OF COST INCREASES ASSOCIATED WITH SUBSEQUENT REVISIONS OF THIS DOCUMENT.

Sheet List Table	
Sheet Number	Sheet Title
CI-001-P01	COVER PAGE
CI-007-N01	GENERAL NOTES AND LOCALITY PLAN
CI-050-P01	EXISTING FEATURES PLAN
CI-060-P01	CIVIL DETAILS PLAN
CI-080-P01	SERVICES PLAN
CI-100-P01	EARTHWORKS AND DRAINAGE PLAN
CI-100-P02	EARTHWORKS BOXING DEPTH PLAN
CI-103-C01	EARTHWORKS CROSS SECTIONS
CI-300-P01	SEWER RETICULATION PLAN
CI-402-L01	ROAD LONGSECTIONS - NORTH & EAST ROAD
CI-402-L02	ROAD LONGSECTIONS - SOUTH ROAD, EAST & WEST LANE
CI-406-D01	TYPICAL DETAILS
CI-521-N01	DRAINAGE PIT SCHEDULE
CI-522-L01	DRAINAGE LONGSECTIONS - SHEET 1
CI-522-L02	DRAINAGE LONGSECTIONS - SHEET 2
CI-526-D01	DRAINAGE DETAILS
CI-600-P01	WATER RETICULATION PLAN

GLENVILL

GLENVILL GROUP	ALPHINGTON PAPER MILL - PRECINCT 3.2			
CLIENT	PROJECT	WOOD & GRIEVE ENGINEERS	32497	CI-000-P1	C
			PROJECT No	DRAWING No	REV



LEGEND:

- P — EXISTING ELECTRICITY (UNDERGROUND)
- OHP — EXISTING ELECTRICITY (OVERHEAD)
- G — EXISTING GAS
- T — EXISTING TELSTRA
- W — EXISTING WATER
- S — EXISTING SEWER
- 28 — EXISTING CONTOURS
- TITLE BOUNDARY
- FUTURE WORKS STAGE BOUNDARY

NOTE:
LOCATION OF EXISTING SERVICES IS DIAGRAMMATIC ONLY AND TO BE CONFIRMED ON SITE PRIOR TO START OF ANY CONSTRUCTION WORKS

1:250 5 0 5 10 A1
1:500 A3

REV	DESCRIPTION	DRAWN	APP'D	DATE
B	PRELIMINARY ISSUE	BDL	RNT	14/09/17
A	PRELIMINARY ISSUE	LF	RNT	21/07/17

GLENVILL
ARCHITECT/CLIENT

ALPHINGTON PRECINCT
PROJECT

CIVIL ENGINEERING
EXISTING FEATURES PLAN
TITLE

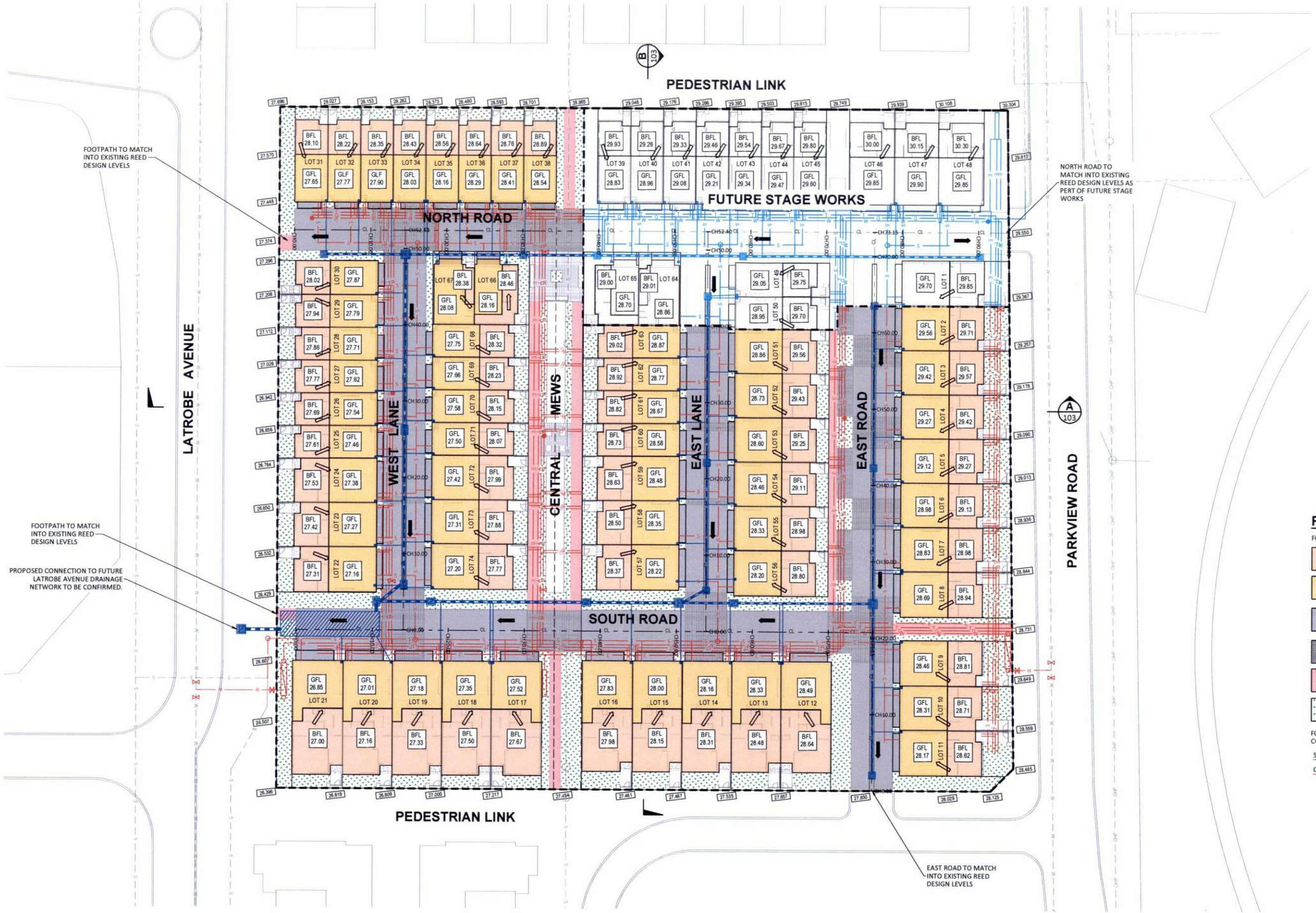
32497-CI-050-P01.dwg

WOOD & GREIVE ENGINEERS

PRELIMINARY
NOT FOR CONSTRUCTION

1:250	32497	CI-050-P01	B
SCALE @ A1	PROJECT No	DRAWING No	REV

14/09/2017 9:57:44 AM



LEGEND:

- TITLE BOUNDARY
- FUTURE WORKS STAGE BOUNDARY
- BFL XX.XX — BUILDING FFL (m AHD)
- GFL XX.XX — GARAGE FFL (m AHD)
- EXISTING ELECTRICITY (UNDERGROUND)
- EXISTING ELECTRICITY (OVERHEAD)
- EXISTING GAS
- EXISTING TELSTRA
- EXISTING WATER
- EXISTING PETROLEUM
- EXISTING STORMWATER DRAIN AND PIT
- EXISTING SEWER
- STORMWATER DRAIN AND PIT
- ROOF DRAINAGE
- ELECTRICITY (UNDERGROUND)
- ELECTRICITY (OVERHEAD)
- GAS
- TELSTRA
- WATER
- SEWER LINE AND PIT
- SERVICES TO BE CONSTRUCTED IN FUTURE STAGE WORKS
- DIRECTION OF FALL
- OVERLAND FLOW

NOTE:

GARAGE CROSSOVERS TO USE VARIABLE HEIGHT ROLL KERB TO ACHIEVE MINIMUM CROSSOVER GRADIENTS.

PAVEMENTS LEGEND

FOR PAVEMENT DETAILS REFER TO DRG. No. CI-406-D01

- HOUSE EXTENT
- GARAGE EXTENT
- HEAVY DUTY CONCRETE PAVEMENT. REFER TO CI-406 D01 FOR FOR DETAIL
- HEAVY DUTY CONCRETE PAVEMENT WITH PAVING TO ARCHITECT'S DOCUMENTATION
- FOOTPATH CONCRETE PAVEMENT. REFER TO CI-406 D01 FOR COUNCIL REFERENCED DETAIL DRAWINGS
- LANDSCAPE AREA. REFER LANDSCAPE ARCHITECT'S DOCUMENTATION FOR DETAIL.

FOR JOINT DETAILS REFER TO DRG. No. CI-406-D01 FOR COUNCIL REFERENCED DETAIL DRAWINGS

- SC — SAWCUT JOINT
- CJ — CONSTRUCTION JOINT

NOTE:
LOCATION OF EXISTING SERVICES IS DIAGRAMMATIC ONLY AND TO BE CONFIRMED ON SITE PRIOR TO START OF ANY CONSTRUCTION WORKS

1:250 5 0 5 10 A1
1:500 A3

REV	DESCRIPTION	DRAWN	APP'D	DATE
.	.	.	.	.
.	.	.	.	.
.	.	.	.	.
.	.	.	.	.
.	.	.	.	.
C	PRELIMINARY ISSUE	BDL	RNT	04/10/17
B	PRELIMINARY ISSUE	BDL	RNT	14/09/17
A	PRELIMINARY ISSUE	LF	RNT	21/07/17

REPRODUCTION OF DRAWINGS
THE DRAWINGS HAVE BEEN DOCUMENTED IN COLOUR, AS SUCH, THE DRAWINGS ARE REQUIRED TO BE PRINTED IN COLOUR . FAILURE TO DO SO MAY RESULT IN LOSS OF INFORMATION. BLACK & WHITE PRINTING MAY BE USED IF SPECIFIC BLACK & WHITE DOCUMENTS HAVE BEEN OBTAINED FROM WGE.

GLENVILL
ARCHITECT/CLIENT

ALPHINGTON PRECINCT
PROJECT

CIVIL ENGINEERING
CIVIL DETAILS PLAN
TITLE

32497-CI-060-P01.dwg

WOOD & GRIEVE ENGINEERS

PRELIMINARY
NOT FOR CONSTRUCTION

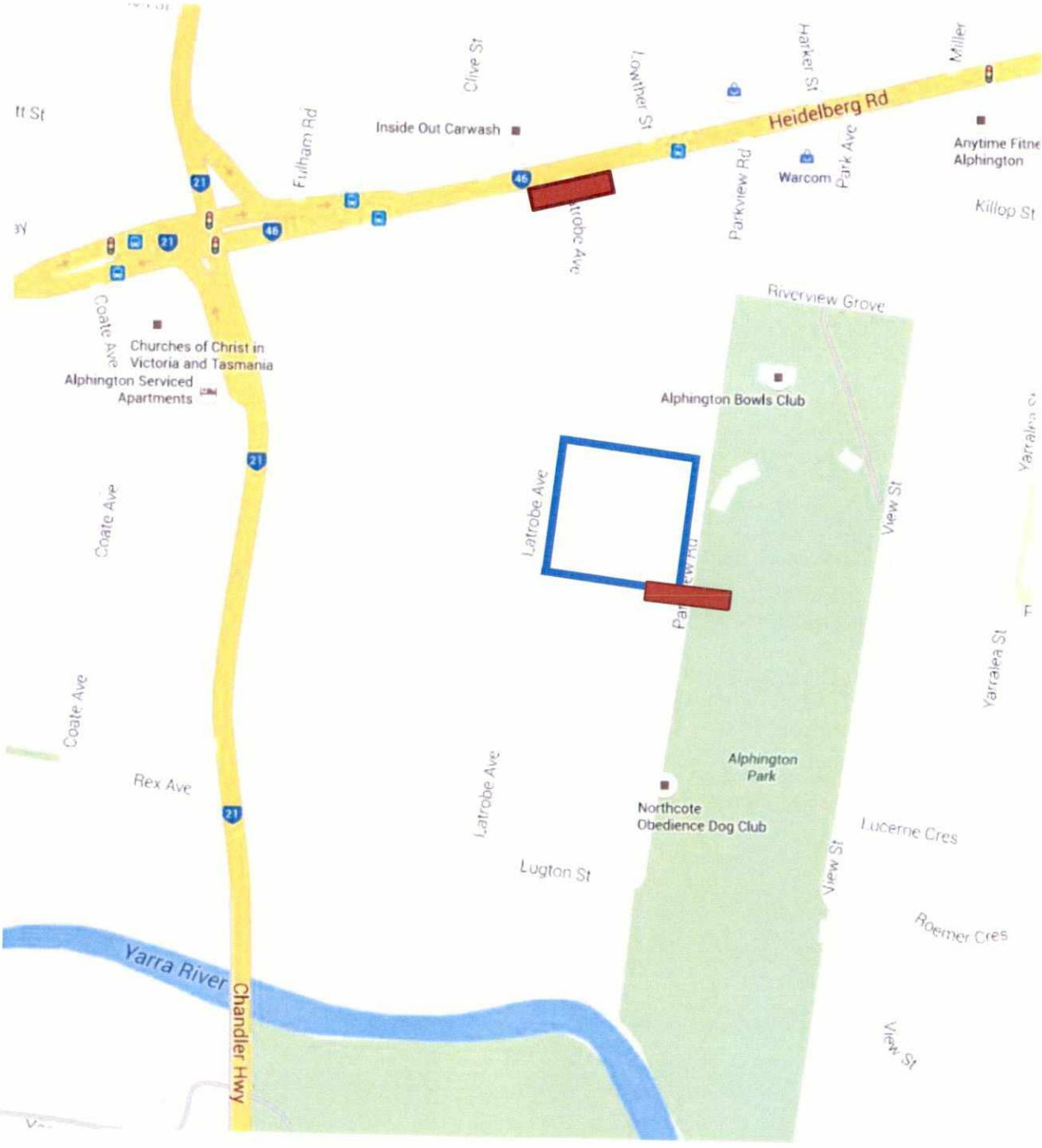
SCALE @ A1	PROJECT No	DRAWING No	REV
1:250	32497	CI-060-P01	C

4/10/2017 11:20:23 AM

CIVIL CONSTRUCTIONS

= Road Closure Point

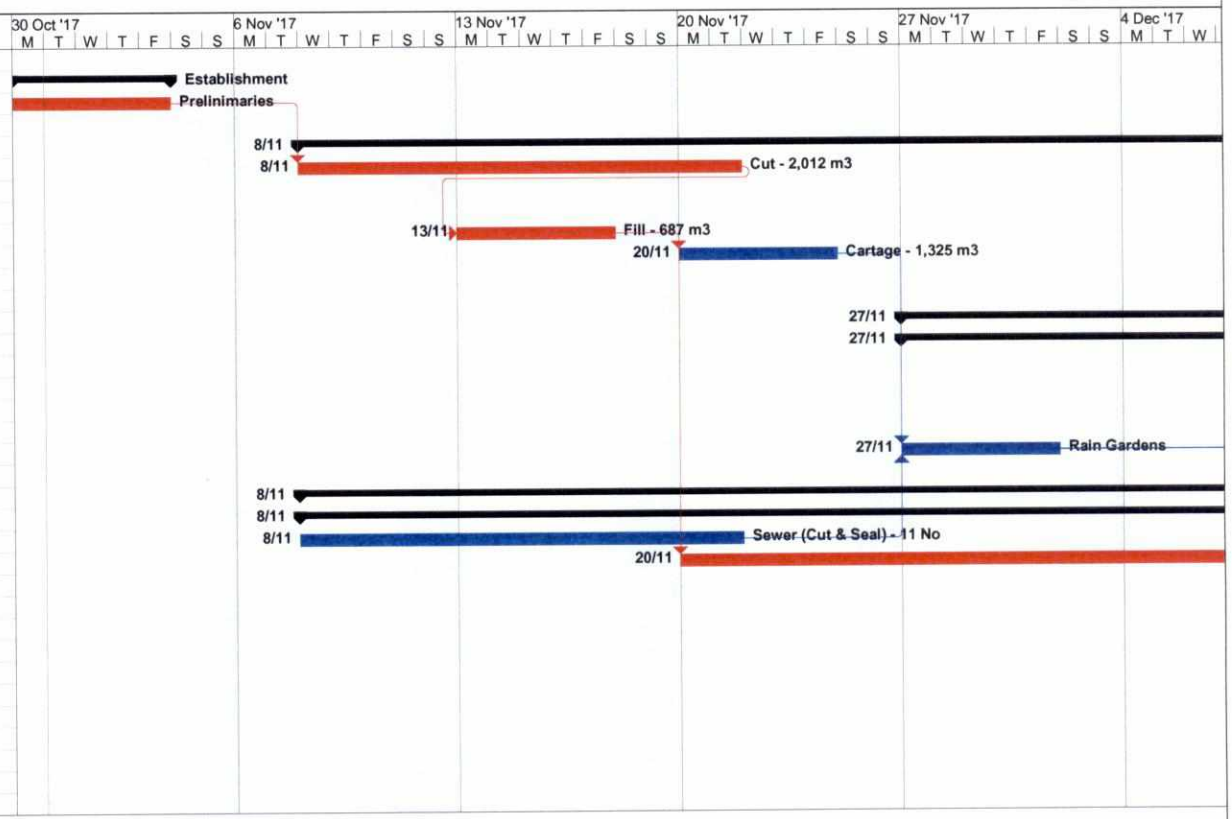
= Townhouses - Stage 3.2 Development



C5258 Rev (A) - Yarra Bend, Alphington (Area 3.2)

CIVIL CONSTRUCTIONS

ID	Task Name	Duration	Predecessors	Resource Names
1				
2	**Establishment**	**5 days**		
3	Prelinimaries	5 days		
4				
5	**Earthworks**	**83 days**		
6	Cut - 2,012 m3	10 days	3	
7	Cut Lots - 59 No	15 days	27FS-5 days	
8	Cut Road - 1,750 m2	10 days	30FS-3 days	
9	Fill - 687 m3	5 days	6FS-7 days	
10	Cartage - 1,325 m3	5 days	9	
11	Clean-up - 1 Item	1 day	35	
12				
13	**Drainage**	**34 days**		
14	**Internal Drain**	**34 days**		
15	Pipes - 305 m	10 days	18	
16	Pits - 28 No	10 days	15FS-6 days	
17	Property Connections - 59 No	10 days	16FS-5 days	
18	SPEL Unit - 1 Item	5 days	24FS-15 days,19	
19	Rain Gardens	5 days	23,10	
20				
21	**Services**	**67 days**		
22	**Sewer**	**38 days**		
23	Sewer (Cut & Seal) - 11 No	10 days		
24	Sewer Installation	30 days	9	
25	**Electrical / Communications**	**15 days**		
26	Excavate Trench - 700 m	15 days	17FS-5 days	
27	Communication Installation	10 days	28FS-10 days	
28	Electrical Installation	10 days	26FS-10 days	
29	**Water/Gas**	**10 days**		
30	Gas Installation	10 days	31FS-10 days	
31	Water Installation	10 days	27	
32				
33	**Rock**	**8 days**		
34	Sub-Grade Improvement - 1,750 m2	3 days	8	
35	100mm Temporary Class 4 Layer - 1,750 m2	5 days	34	



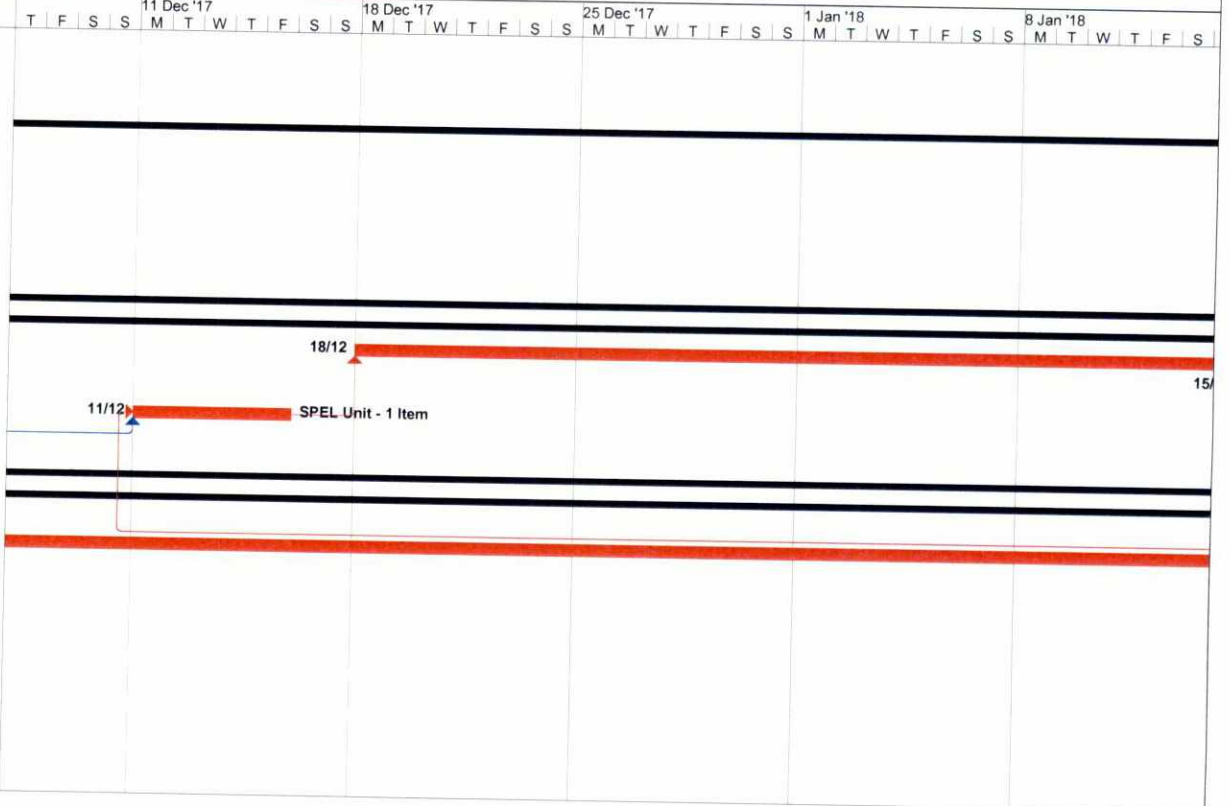
Page 1 of 4

Task	Rolled Up Critical Task	Project Summary	Duration-only	External Tasks			
Critical Task	Rolled Up Milestone	Group By Summary	Manual Summary Rollup	External Milestone			
Milestone	Rolled Up Progress	Inactive Milestone	Manual Summary	Progress			
Summary	Split	Inactive Summary	Start-only	Deadline			
Rolled Up Task	External Tasks	Manual Task	Finish-only				

CIVIL CONSTRUCTIONS

C5258 Rev (A) - Yarra Bend, Alphington (Area 3.2)

ID	Task Name	Duration	Predecessors	Resource Names
1				
2	**Establishment**	**5 days**		
3	Prelinimaries	5 days		
4				
5	**Earthworks**	**83 days**		
6	Cut - 2,012 m3	10 days	3	
7	Cut Lots - 59 No	15 days	27FS-5 days	
8	Cut Road - 1,750 m2	10 days	30FS-3 days	
9	Fill - 687 m3	5 days	6FS-7 days	
10	Cartage - 1,325 m3	5 days	9	
11	Clean-up - 1 Item	1 day	35	
12				
13	**Drainage**	**34 days**		
14	**Internal Drain**	**34 days**		
15	Pipes - 305 m	10 days	18	
16	Pits - 28 No	10 days	15FS-6 days	
17	Property Connections - 59 No	10 days	16FS-5 days	
18	SPEL Unit - 1 Item	5 days	24FS-15 days,19	
19	Rain Gardens	5 days	23,10	
20				
21	**Services**	**67 days**		
22	**Sewer**	**38 days**		
23	Sewer (Cut & Seal) - 11 No	10 days		
24	Sewer Installation	30 days	9	
25	**Electrical / Communications**	**15 days**		
26	Excavate Trench - 700 m	15 days	17FS-5 days	
27	Communication Installation	10 days	28FS-10 days	
28	Electrical Installation	10 days	26FS-10 days	
29	**Water/Gas**	**10 days**		
30	Gas Installation	10 days	31FS-10 days	
31	Water Installation	10 days	27	
32				
33	**Rock**	**8 days**		
34	Sub-Grade Improvement - 1,750 m2	3 days	8	
35	100mm Temporary Class 4 Layer - 1,750 m2	5 days	34	

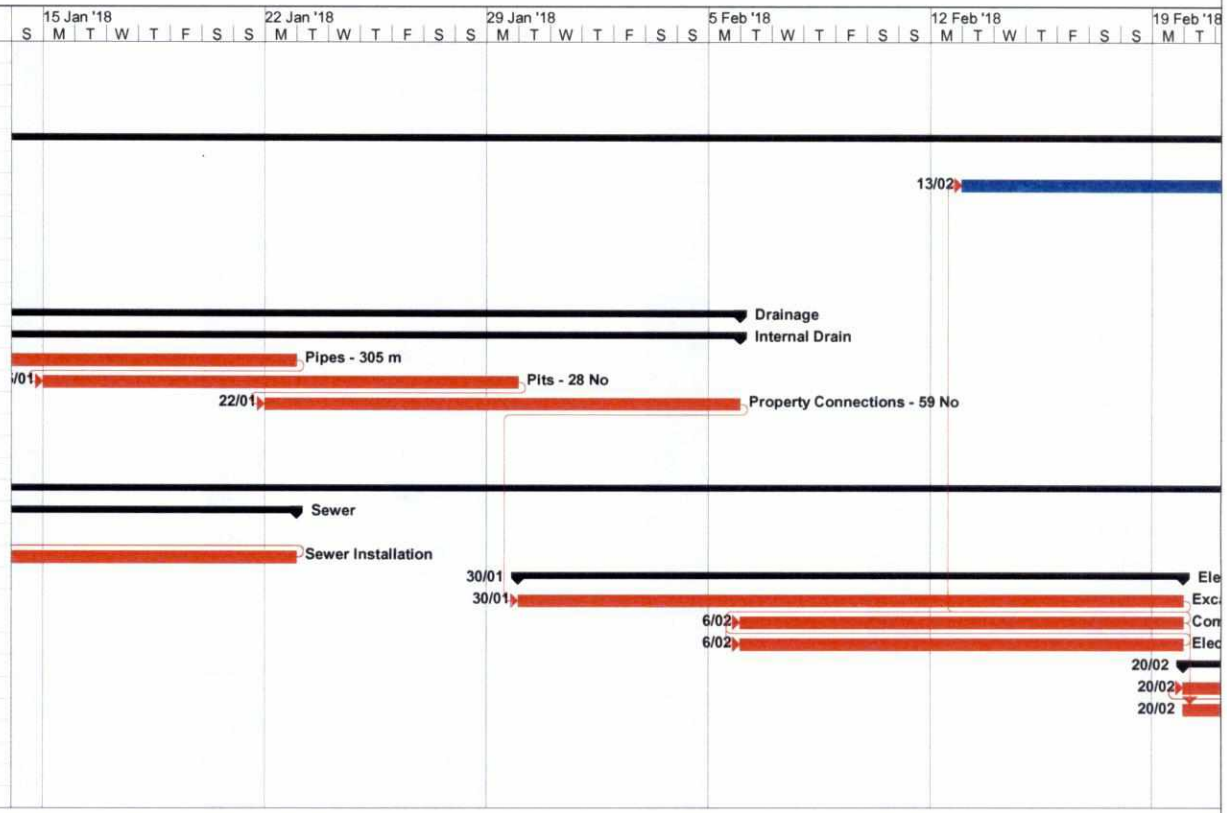


Task
Critical Task
Milestone
Summary
Rolled Up Task
Rolled Up Critical Task
Rolled Up Milestone
Rolled Up Progress
Split
External Tasks
Project Summary
Group By Summary
Inactive Milestone
Inactive Summary
Manual Task
Duration-only
Manual Summary Rollup
Manual Summary
Start-only
Finish-only
External Tasks
External Milestone
Progress
Deadline

C5258 Rev (A) - Yarra Bend, Alphington (Area 3.2)

CIVIL CONSTRUCTIONS

ID	Task Name	Duration	Predecessors	Resource Names
1				
2	**Establishment**	**5 days**		
3	Prelinimaries	5 days		
4				
5	**Earthworks**	**83 days**		
6	Cut - 2,012 m3	10 days	3	
7	Cut Lots - 59 No	15 days	27FS-5 days	
8	Cut Road - 1,750 m2	10 days	30FS-3 days	
9	Fill - 687 m3	5 days	6FS-7 days	
10	Cartage - 1,325 m3	5 days	9	
11	Clean-up - 1 Item	1 day	35	
12				
13	**Drainage**	**34 days**		
14	**Internal Drain**	**34 days**		
15	Pipes - 305 m	10 days	18	
16	Pits - 28 No	10 days	15FS-6 days	
17	Property Connections - 59 No	10 days	16FS-5 days	
18	SPEL Unit - 1 Item	5 days	24FS-15 days,19	
19	Rain Gardens	5 days	23,10	
20				
21	**Services**	**67 days**		
22	**Sewer**	**38 days**		
23	Sewer (Cut & Seal) - 11 No	10 days		
24	Sewer Installation	30 days	9	
25	**Electrical / Communications**	**15 days**		
26	Excavate Trench - 700 m	15 days	17FS-5 days	
27	Communication Installation	10 days	28FS-10 days	
28	Electrical Installation	10 days	26FS-10 days	
29	**Water/Gas**	**10 days**		
30	Gas Installation	10 days	31FS-10 days	
31	Water Installation	10 days	27	
32				
33	**Rock**	**8 days**		
34	Sub-Grade Improvement - 1,750 m2	3 days	8	
35	100mm Temporary Class 4 Layer - 1,750 m2	5 days	34	

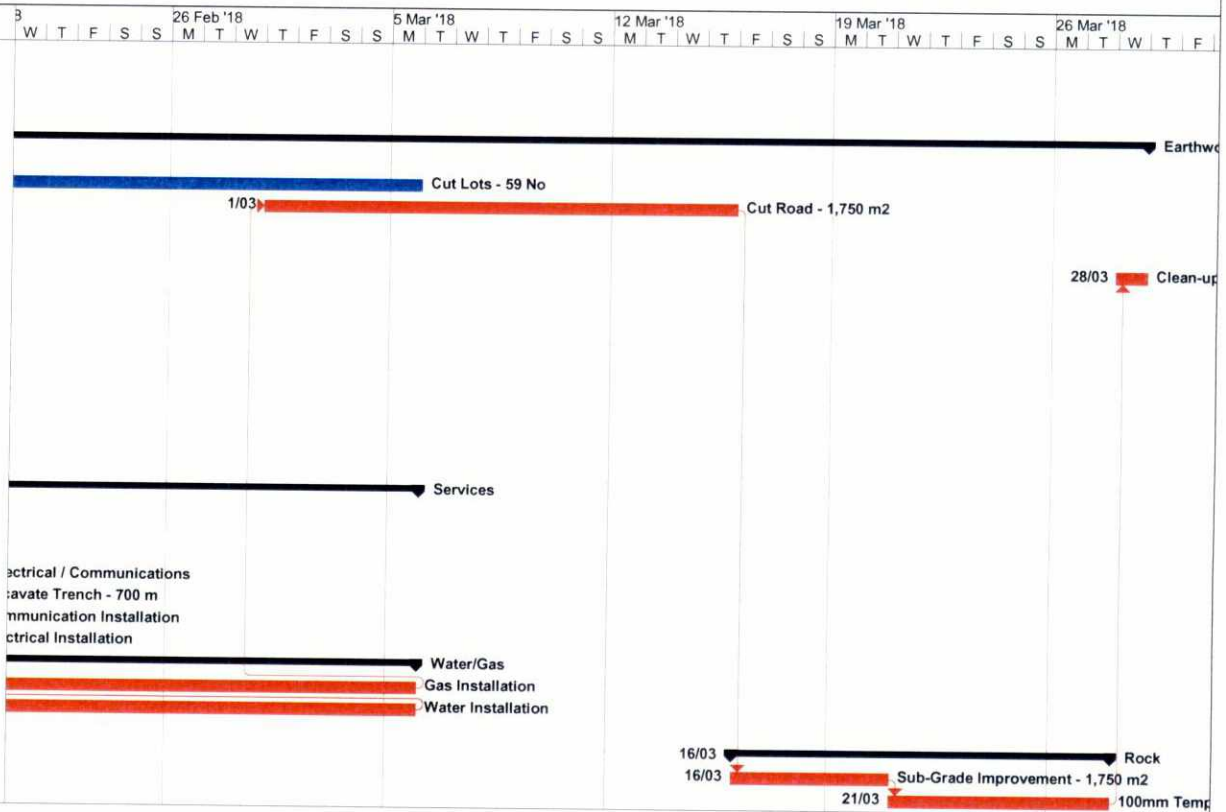


Task	Rolled Up Critical Task	Project Summary	Duration-only	External Tasks			
Critical Task	Rolled Up Milestone	Group By Summary	Manual Summary Rollup	External Milestone			
Milestone	Rolled Up Progress	Inactive Milestone	Manual Summary	Progress			
Summary	Split	Inactive Summary	Start-only	Deadline			
Rolled Up Task	External Tasks	Manual Task	Finish-only				

C5258 Rev (A) - Yarra Bend, Alphington (Area 3.2)

CIVIL CONSTRUCTIONS

ID	Task Name	Duration	Predecessors	Resource Names
1				
2	**Establishment**	**5 days**		
3	Prelinimaries	5 days		
4				
5	**Earthworks**	**83 days**		
6	Cut - 2,012 m3	10 days	3	
7	Cut Lots - 59 No	15 days	27FS-5 days	
8	Cut Road - 1,750 m2	10 days	30FS-3 days	
9	Fill - 687 m3	5 days	6FS-7 days	
10	Cartage - 1,325 m3	5 days	9	
11	Clean-up - 1 Item	1 day	35	
12				
13	**Drainage**	**34 days**		
14	**Internal Drain**	**34 days**		
15	Pipes - 305 m	10 days	18	
16	Pits - 28 No	10 days	15FS-6 days	
17	Property Connections - 59 No	10 days	16FS-5 days	
18	SPEL Unit - 1 Item	5 days	24FS-15 days,19	
19	Rain Gardens	5 days	23,10	
20				
21	**Services**	**67 days**		
22	**Sewer**	**38 days**		
23	Sewer (Cut & Seal) - 11 No	10 days		
24	Sewer Installation	30 days	9	
25	**Electrical / Communications**	**15 days**		
26	Excavate Trench - 700 m	15 days	17FS-5 days	
27	Communication Installation	10 days	28FS-10 days	
28	Electrical Installation	10 days	26FS-10 days	
29	**Water/Gas**	**10 days**		
30	Gas Installation	10 days	31FS-10 days	
31	Water Installation	10 days	27	
32				
33	**Rock**	**8 days**		
34	Sub-Grade Improvement - 1,750 m2	3 days	8	
35	100mm Temporary Class 4 Layer - 1,750 m2	5 days	34	



Page 4 of 4

Task	Rolled Up Critical Task	Project Summary	Duration-only	External Tasks
Critical Task	Rolled Up Milestone	Group By Summary	Manual Summary Rollup	External Milestone
Milestone	Rolled Up Progress	Inactive Milestone	Manual Summary	Progress
Summary	Split	Inactive Summary	Start-only	Deadline
Rolled Up Task	External Tasks	Manual Task	Finish-only	

THE FOLLOWING HAS BEEN IDENTIFIED AS SIGNIFICANT ENVIRONMENTAL ASPECTS FOR THE SITE
These aspects will be managed with the control measures outlined in this plan

MANAGEMENT
1. RESPONSIBILITIES
The CONTRACTOR is responsible for implementing & maintaining control measures detailed in the EMP for the duration of the works

COMPANY	CSC CIVIL CONSTRUCTIONS (AUST) PTY LTD	
EMERGENCY (24Hr) CONTACT	(03) 8872 7100	
CONSTRUCTION MANAGER	BRENT SCOBLE	(0413 619 706)
SITE SUPERVISOR	TRAVIS O'NEILL	(0413 619 192)

2. COMMUNICATION OF EMP REQUIREMENTS
-All Site Personnel, including sub-contractors, must be inducted on the requirements of this EMP
-The EMP is to be displayed in the Site Shed at all times
-Toolbox Meetings are to be held at regular intervals to reinforce the requirements of this EMP

3. INSPECTION OF EMP REQUIREMENTS
-CSC Site Supervisor is to inspect the EMP measures at the start & end of each working day
-CSC Site Supervisor is to inspect the EMP measures prior to & after any storm event
-Any EMP measures that identified for rectification must be addressed on the same day as identified

4. STAGING OF WORKS
-Where possible, works are to be staged to minimise the exposure to sensitive areas identified in this EMP

5. INFORMING RESIDENTS
-Residents are to notified, by way of a letter drop, prior to commencing works onsite and every 4 months onwards
-Residents are to notified, by was of a letter drop, 2 days prior to commencing schedule noisy works

6. ASSOCIATED DOCUMENTS
-Construction Management Plan
-Day Report, Daily Pre-start, Toolbox Meeting, Monthly Audit & Site Inductions
-Incident Report & Non-Conformance Report

NOISE
REQUIREMENT: EPA Victoria & Council requirements must be adhered to in relation to the level of NOISE & WORKING HOURS, to ensure that the residents and other applicable Neighbours to the site are not disturbed unreasonably.
The generation of NOISE must be minimised in accordance with the following:

7. WORKING HOURS

-MON - FRI	7:00AM - 6:00PM	*Excludes Public Holidays, ANZAC Day, Christmas Day and Good Friday
-SAT	9:00AM - 3:00PM	
-SUN	NO WORK	

8. NOISE MINIMISATION METHODS
-All Plant & Equipment to have mufflers attached, maintained and tested in accordance with Manufacturers Specifications

9. OTHER
-All activities shall comply with the EPA Noise Control Guideline 12 for Construction (Pub 1254 Oct 2008)

WASTE
REQUIREMENT: LITTER & WASTE must be contained on site before disposal in a responsible manner
WASTE generation must be minimised in accordance with the following:

10. MOVEMENT OF SOIL
-CLEAN FILL will be removed from site via Latrobe Ave
-CONTAMINATION is present and has been relocated onsite as part of the designated Remediation works

11. WASTE MINIMISATION METHODS
-Asphalt, Bricks, Concrete & Steel to be stockpiled separately & disposed of to a licensed recycling faciltiy
-Star Pickets & Wooden Pegs are to be collected & stored for re-used at a later date.

12. WASTE STORAGE & DISPOSAL
-Garbage Bins are provided at the Site Facilities for all litter generated at meal breaks
-Skip Bins are provided for all Waste Disposal that is not recyclable. The Skip must be emptied once full

13. OTHER
-N/A

CHEMICALS
REQUIREMENT: STORAGE & SPILL Management practices must be implemented to ensure that no environmental damage can result from the escape or spillage or chemicals or fuel

14. STORAGE
-No Fuels of Chemicals are to be stored onsite

15. SPILL MANAGEMENT
-Spill Kit is to be stored in the Site Container within the Site Compound
-In the event a Spill the area is to be contained and cleaned up immediately to avoid contamination of surrounding area
-Any Soil that becomes contaminated as a result of a spill must be removed and disposed to an EPA licensed faciltiy

16. RE-FUELLING PROCEDURE
-Re-fuelling is to be carried out away from areas of environmental sensitivity, such as Waterways, Stormwater Drainage, etc
-Re-Fuelling with Mini-Tankers must be conducted in the designated re-fuelling area within the Site Compound

17. OTHER
-N/A

FLORA / FAUNA
REQUIREMENT: All significant Flora & Fauna on and adjacent to site must be protected

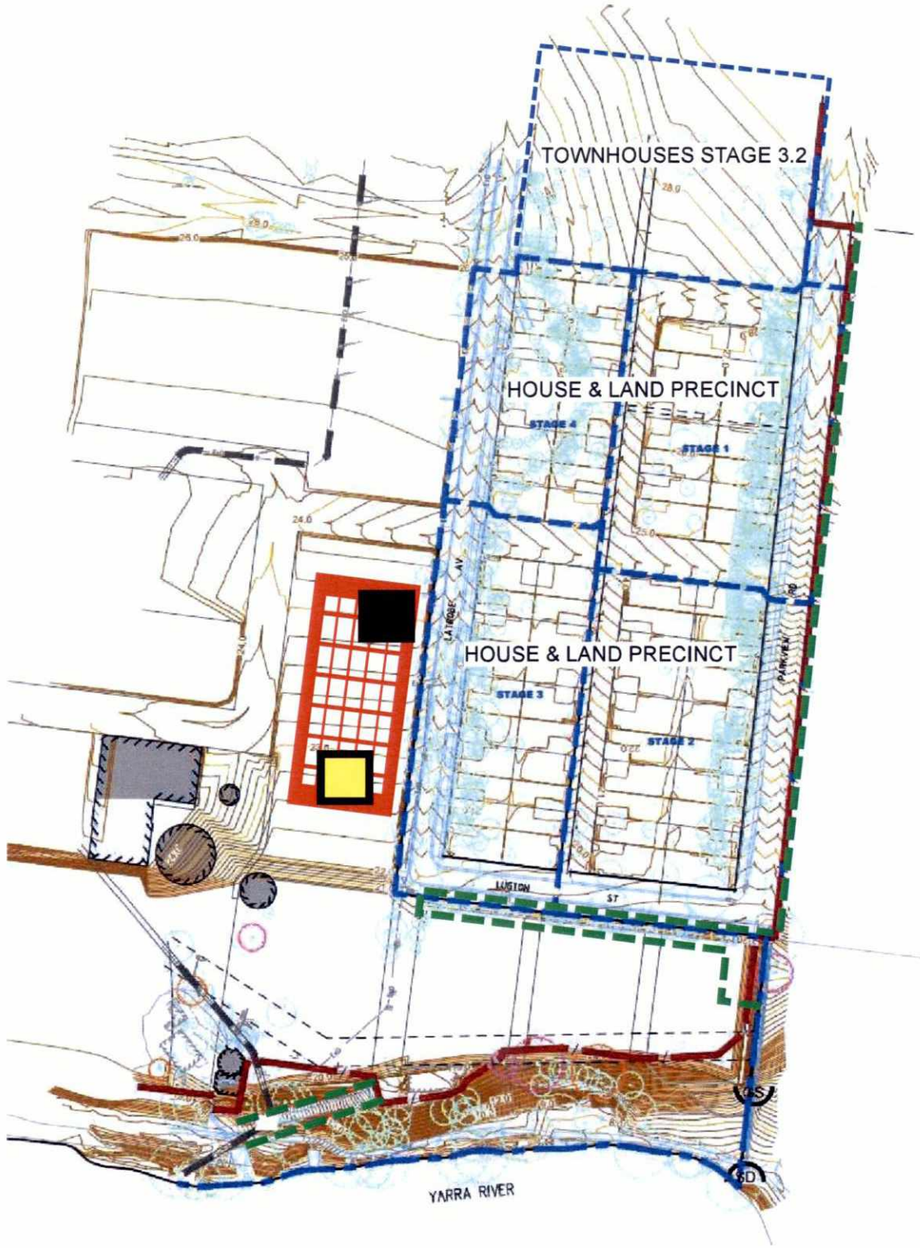
18. TREE PROTECTION
-There are no trees located in Yarrabend Townhouses - Stage 3.2 works area

19. FAUNA
-Zoologist is to be present before and during any Tree Removal works

19. ARCHEOLOGICAL / HERITAGE
-N/A

LEGEND

- STAGE BOUNDARY
- TREE PROTECTION FENCING
- SITE COMPOUND
- SPILL KIT
- RE-FUELLING AREA



I / We hereby acknowledge I have read & understood all conditions of the Environmental Management Plan.
I / We agree to undertake the works & ensure that all sub-contractors undertake the works in accordance with this Environmental Management Plan.

DEVELOPER		SUPERINTENDENT		CONTRACTOR	
COMPANY	Alphington Developments Pty Ltd	COMPANY	REEDS Consulting Pty Ltd	COMPANY	CSC Civil Constructions (AUST) Pty Ltd
NAME	Adam Matthews	NAME	John McKernan	NAME	Brent Scoble
SIGNATURE	.....	SIGNATURE	.....	SIGNATURE	.....

REV	DATE	DESCRIPTION	DRAWN	APP.
A	31/10/2017	FOR COUNCIL APPROVAL	B.S	B.S

CSC CIVIL CONSTRUCTIONS
CSC CIVIL CONSTRUCTIONS (AUST) PTY LTD
ABN 28 611 000 625
13 Trade Place, Vermont, VIC, 3133
Tel: (03) 8872 7100 Email: admin@csccivil.com.au Web: csccivil.com.au

DRAWN	B.SCOBLE
DATE	31/10/2017
CHECKED	B.SCOBLE
DATE	31/10/2017
APPROVED	B.SCOBLE
SIGNATURE	

TITLE
ENVIRONMENTAL MANAGEMENT PLAN

PROJECT ADDRESS
LATROBE AVE & PARKVIEW RD, ALPHINGTON

SHEET
1 of 2

PROJECT No.	MELWAYS	SCALE	SIZE
C5258	31 C12	NTS	A3

STATUS
FOR COUNCIL APPROVAL

REVISION
A

THE FOLLOWING HAS BEEN IDENTIFIED AS SIGNIFICANT ENVIRONMENTAL ASPECTS FOR THE SITE
These aspects will be managed with the control measures outlined in this plan

DUST
REQUIREMENTS: DUST generation must be minimised to ensure there is no health risk or loss of amenity

20. MINIMISING DUST GENERATION
-Limit Stripping of Grass & Vegetation to the area that are planned to be worked
-Limit Construction Traffic to designated haul routes to enable control measures to be effectively implemented
-Consolidate & Seal Stockpiles once formed
-Limit / Cease Construction Traffic on days of high WIND.

21. DUST SUPPRESSION
-Water Truck to be available to water down haul routes and stockpiles, as required

22. CONTINGENCIES
-If high WIND days are expected utilise a Water Truck to spray down any Haul Road(s) & Stockpile(s) to form a thick crust.
-Mulch or Matting can also be utilised where the Water Truck is unable to control the dust

23. OTHER
-Cover Temporary Fencing with Shade Cloth to control any Dust that may be generated from leaving site

EROSION & SEDIMENT
REQUIREMENT: Erosion & Sediment must be managed in accordance with current best practice environmental management practices to prevent sediment laden water from entering any drainage system or natural waterway

24. DRAINAGE MANAGEMENT
-Catch Drain along the West side of Latrobe Ave will direct and collect all water flow from Latrobe Ave (North)
-Catch Drain along the South Side of Lugton St will direct and collect all water flow from Site & Beckwith Ave (North)
-All Catch Drains are directed into the Sediment Pond
-Control Measures such as Silt Fencing & Silt Sausages as per the EMP will be implemented & maintained to aid in capturing any sediment

25. SOIL STABILISATION
-Vegetation to be retained on exposed areas, where possible
-Monitor catch drains and batters for erosion and rectify where applicable on the same day

26. STOCKPILE PROTECTION
-Stockpiles to be placed away from drainage inlets, open drains, water courses & pavements
-Cut-off drain to be established on the high side of the stockpile to divert water away from the stockpile
-Silt fencing to be installed on the low side of the stockpile to catch any sediment run-off
-Encourage re-vegetation of stockpiles that will be located in the same position more than 28 days

27. SEDIMENT TRAPS
-Sediment Pond will store the majority of the water from site. The Water will be allowed to soak into the natural ground and or be re-used for filling works or dust suppression

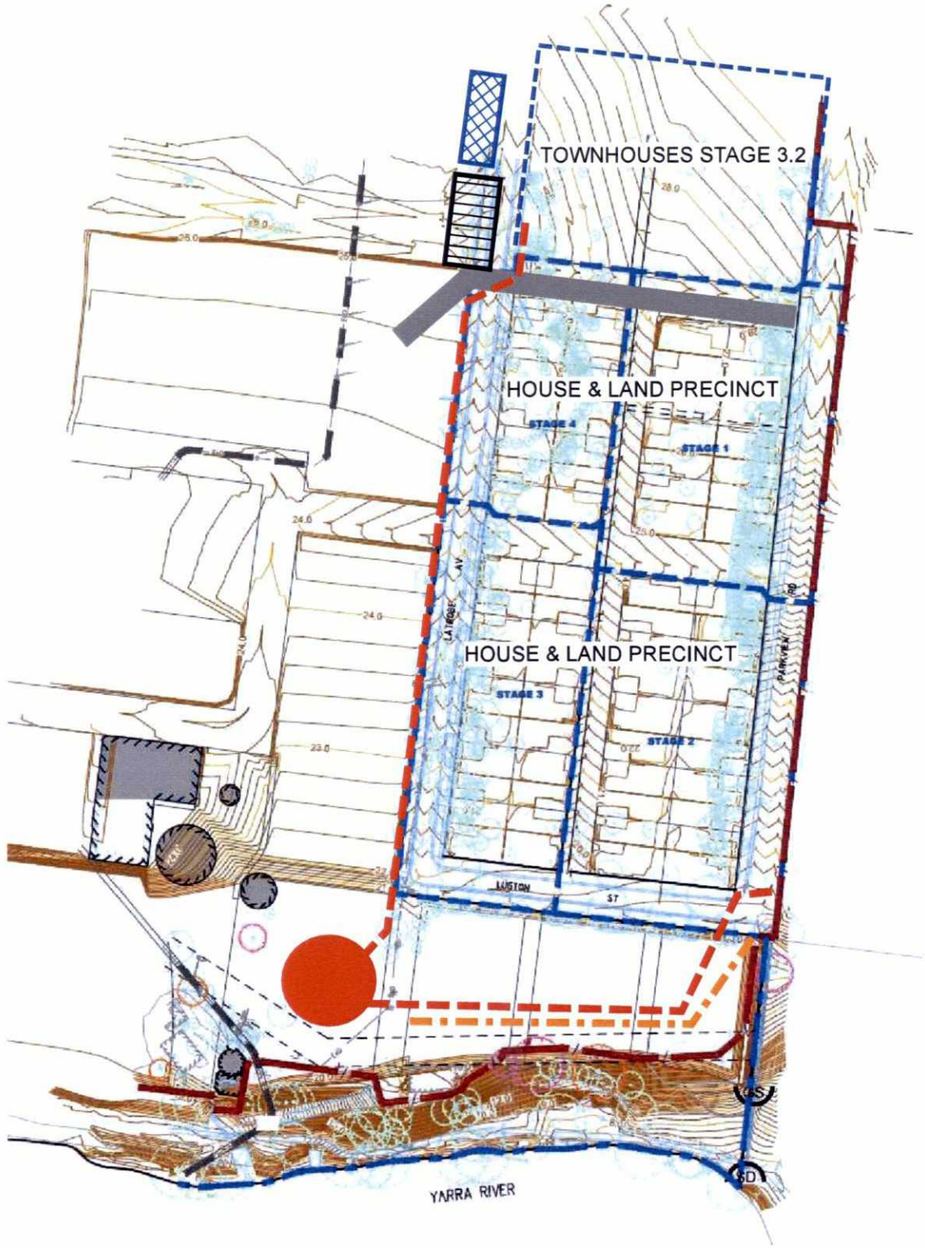
28. DE-WATERING
-N/A

29. VEHICLE & ROAD MANAGEMENT
-All vehicles leaving the site must be checked & cleaned to remove any excess sediment collected on the vehicles whilst onsite
-Wash down bay has been established as per the EMP
-All Vehicles must travel over the Rumble Grid prior to exiting the Site
-On Haulage Days all Trucks must exit via Latrobe Ave. A Water Truck is to be utilised to wash down Latrobe Ave to ensure that no truck carries sediment onto Heidelberg Rd. A Person will be stationed at the Heidelberg Rd interface to monitor trucks prior to exiting site
-In the event sediment leaves site a Street Sweeper will be made available within 4 hours to clean any excess spoil

30. OTHER STORMWATER DRAINAGE & OUTFALL
-Temporary Sediment Traps in all new Stormwater Pits and Pipes is to be installed as the drainage system progresses

LEGEND

- SILT FENCE
- CATCH DRAIN / CUT-OFF DRAIN
- RUMBLE GRID
- WASH DOWN AREA
- SEDIMENT POND
- ACCESS TRACK



I / We hereby acknowledge I have read & understood all conditions of the Environmental Management Plan.
I / We agree to undertake the works & ensure that all sub-contractors undertake the works in accordance with this Environmental Management Plan.

DEVELOPER		SUPERINTENDENT		CONTRACTOR	
COMPANY	Alphington Developments Pty Ltd	COMPANY	REEDS Consulting Pty Ltd	COMPANY	CSC Civil Constructions (AUST) Pty Ltd
NAME	Adam Matthews	NAME	John McKernan	NAME	Brent Scoble
SIGNATURE	.....	SIGNATURE	.....	SIGNATURE	.....

REV	DATE	DESCRIPTION	DRAWN	APP.
A	31/10/2017	FOR COUNCIL APPROVAL	B.S	B.S

CSC CIVIL CONSTRUCTIONS
CSC CIVIL CONSTRUCTIONS (AUST) PTY LTD
ABN 28 611 000 625
13 Trade Place, Vermont, VIC, 3133
Tel: (03) 8872 7100 Email: admin@csccivil.com.au Web: csccivil.com.au

DRAWN	B.SCOBLE
DATE	31/10/2017
CHECKED	B.SCOBLE
DATE	31/10/2017
APPROVED	B.SCOBLE
SIGNATURE	

TITLE
ENVIRONMENTAL MANAGEMENT PLAN

PROJECT ADDRESS
LATROBE AVE & PARKVIEW RD, ALPHINGTON

SHEET: 2 of 2

PROJECT No.	MELWAYS	SCALE	SIZE
C5258	31 C12	NTS	A3

STATUS: **FOR COUNCIL APPROVAL**

REVISION: A

www.invarion.com

SITE COMMUNICATION
UHF 29

LATROBE AVE

RUMBLE GRID

GATE

WASH DOWN AREA
HOSE PROVIDED TO WASH DOWN VEHICLES
PRIOR TO LEAVING SITE (WHERE REQUIRED)

SITE ENTRANCE / EXIT

CSC CIVIL CONSTRUCTIONS
TOWNHOUSES - STAGE 3.2

PARKVIEW RD

GATE 3

FOOTBALL / CRICKET CLUB

CHANDLER HWY

WETLAP

CSC CARPARK
(50 SPACES)

GATE

CSC CIVIL CONSTRUCTIONS
HOUSE & LAND
STAGE 1-4

DOG WALKING CLUB

CSC SITE FACILTIES
& COMPOUND

LUNCH ROOM MUSTER POINT

SITE OFFICE

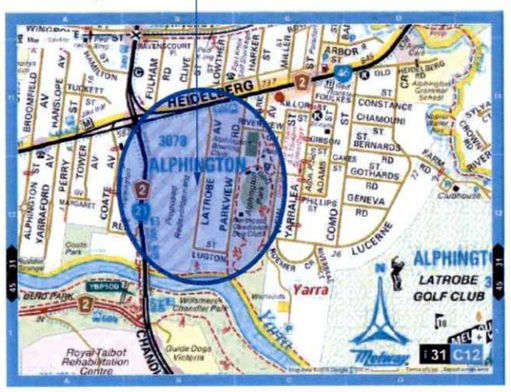
STORAGE AREA

SKIP BIN

CONTAINER

BOILER HOUSE

CONSTRUCTION SITE



SILT POND

LUGTON ST

GATE 4

LEGEND

- TEMPORARY FENCE
- ACCESS GATE
- ACCESS TRACK
- SITE OFFICE — SITE OFFICE / FIRST AID
- LUNCH ROOM MUSTER POINT — LUNCH ROOM / MUSTER POINT
- TOILET BLOCK

REV	DATE	DESCRIPTION	DRAWN	APP.
A	31/10/2017	FOR COUNCIL APPROVAL	B.S	B.S

CSC CIVIL CONSTRUCTIONS

CSC CIVIL CONSTRUCTIONS (AUST) PTY LTD
ABN 28 611 000 625
13 Trade Place, Vermont, VIC, 3133
Tel: (03) 8872 7100 Email: admin@csccivil.com.au Web: csccivil.com.au

DRAWN	B.SCOBLE
DATE	31/10/2017
CHECKED	B.SCOBLE
DATE	31/10/2017
APPROVED	B.SCOBLE
SIGNATURE	

TITLE: **SITE MANAGEMENT PLAN**

PROJECT ADDRESS: **LATROBE AVE & PARKVIEW RD, ALPHINGTON**

SHEET: **1 of 1**

PROJECT No.	MELWAYS	SCALE	SIZE
C5258	31 C12	NTS	A3

REVISION: **A**

STATUS: **FOR COUNCIL APPROVAL**

EMERGENCY & WORK CONTACTS

POLICE AMBULANCE FIRE	000 OR 112
EMERGENCY HOSPITAL & MEDICAL TREATMENT CENTRES	AUSTIN HOSPITAL Burgundy Street, Heidelberg ALPHINGTON MEDICAL 29 Station Street, Fairfield PH 9485 5100
POISON INFORMATION LINE:	13 11 26
MATERIAL SAFETY DATA SHEETS MSDS CONTACT OFFICE	8872 7100
DIAL BEFORE YOU DIG	1100
VIC ROADS EMERGENCY	13 11 71
SES	132 500
YARRA CITY COUNCIL 140 Hoddle Street, Abbotsford	03 9205 5555

SERVICES

GAS ENVESTRA	1800 676 300
ELECTRICITY JEMENA ELECTRICITY	1300 825 469
WATER YARRA VALLEY WATER	03 9872 1456
COMMUNICATIONS TELSTRA	1800 653 935
AUSTRALIAN HERITAGE COUNCIL	(02) 6274 1111
ABORIGINAL AFFAIRS VICTORIA	(03) 9208 3333

EMERGENCY CONTROL PERSONNEL

CSC SITE SUPERVISOR

TRAVIS O'NEILL
0413 619 192

FIRST AID OFFICER

TRAVIS O'NEILL
0413 619 192

LEGEND

- ENTRY/ EXIT
- SITE COMPOUND
- FIRST AID
- MUSTER POINT

CIVIL CONSTRUCTIONS
ACN 611 000 625
ABN 28 611 000 625
13 Trade Place
Vermont VIC 3133
Ph 8872 7100

EMERGENCIES - REFER TO EMERGENCY PROCEDURE
CSC OFFICE - 8872 7100

PROJECT	YARRABEND
DETAILS	SITE SAFETY MANAGEMENT PLAN
ADRESS	Latrobe Ave & Lugton St, Alphington

DATE

ROAD CLOSED ON SIDE ROAD

Heidelberg Rd

LOCATE SIGNS
10m FROM BUS SHELTER

ROAD CLOSED

ROAD CLOSED ON SIDE ROAD

EXISTING BUILDING

EXISTING BUILDING

ROAD CLOSED AHEAD

NORTH

DANGER CONSTRUCTION SITE DO NOT ENTER

DANGER CONSTRUCTION SITE DO NOT ENTER

DANGER CONSTRUCTION SITE DO NOT ENTER

CONSTRUCTION SITE ENTRANCE
- ALL TRUCKS, FLOATS & DELIVERIES MUST ENTER AT THIS ENTRANCE
- ENTRANCE MUST BE KEPT CLEAR AT ALL TIMES

Latrobe Ave

Parkview Rd

Riverview G

ROAD CLOSED PREPARE TO STOP

ROAD CLOSED ON SIDE ROAD

DANGER CONSTRUCTION SITE DO NOT ENTER

DANGER CONSTRUCTION SITE DO NOT ENTER

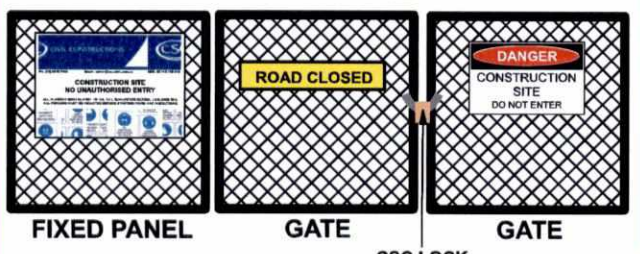
DANGER CONSTRUCTION SITE DO NOT ENTER

DANGER CONSTRUCTION SITE DO NOT ENTER

ROAD CLOSED

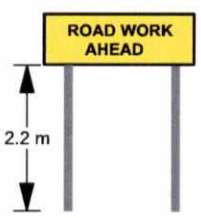
ALTERNATE ENTRANCE TO SITE
- LIGHT VEHICLE ACCESS ONLY (UNLESS OTHERWISE APPROVED)

SITE ENTRANCE

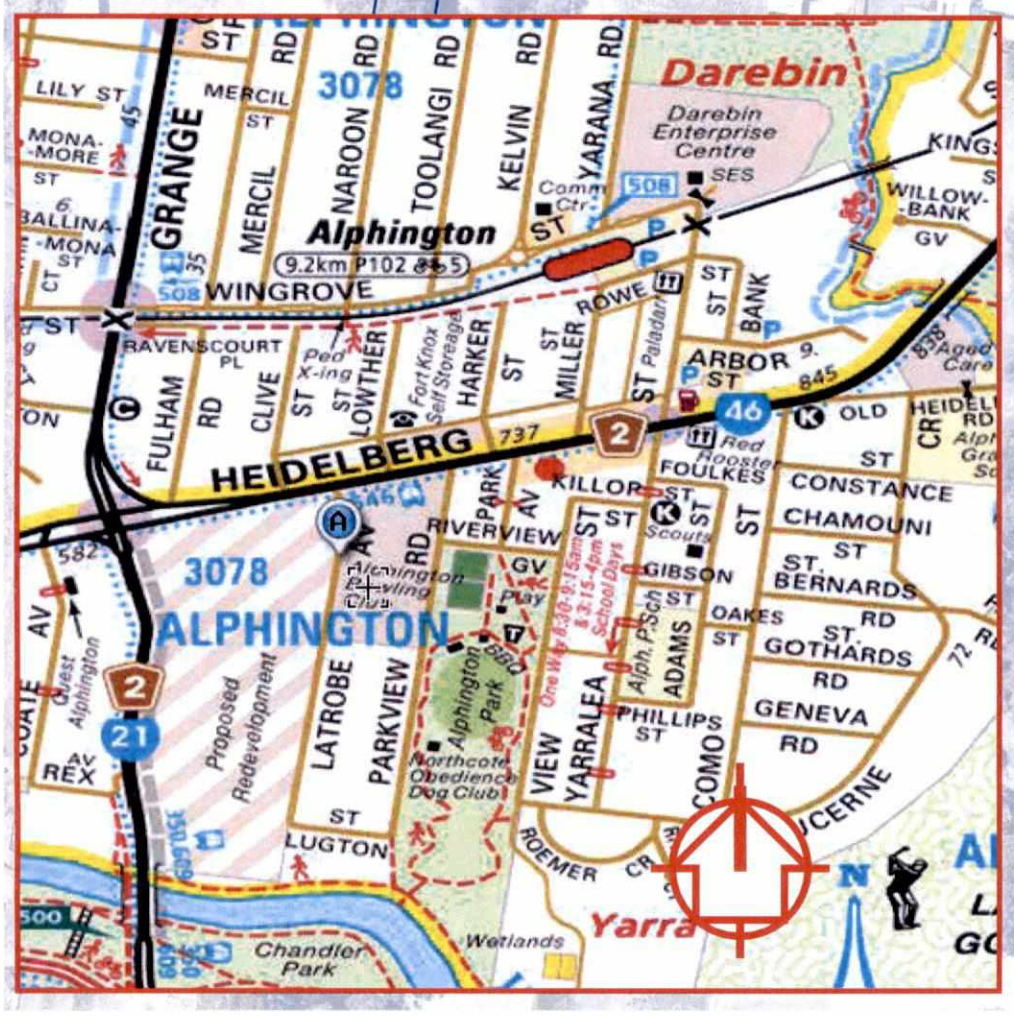


LEGEND

TEMPORARY FENCE



EXTERNAL SIGNAGE TO BE MOUNTED ON STATIC POLES



M1 Traffic Control

13 Raylee Place, Linbrook, Victoria 3975
Phone: 8726 0260
Email: Planning@m1trafficcontrol.com.au
ABN: 49 139 453 268

Location
Latrobe Ave, Alphington
Parkview Rd, Alphington

Municipality
City of Yarra

Date
AS PER APPLICATION

Time
AS PER APPLICATION

Notes

Drawn	Checked	Melways
MILAN M	LEAH S	31 B11
Designed	Authorised	
MILAN M	LEAH S	

CSC CIVIL CONSTRUCTIONS

Project
YARRABEND, Alphington

Title
Latrobe Ave & Parkview Rd
Road Closure TMP v1.7

Status
Issued for Information

Date Drawn	Scale	Size
07-03-2016	NTS	A3
Project Number	Sheet Number	Revision
N/A	01/01	v1.7

This Traffic Management Plan is not to scale and is intended for use as a guide only. Sign positions are indicitive only and may need to be adjusted on traffic conditions during works. M1 Traffic Control accepts no responsibility for correct installation if implemented by others. Work site to be fully compliant with Australian Standards 1742.3-2009 and The Road Management Act 2004.

Rev	Date	Description	Drawn	Appr.
1.7	02-05-2017	*Amended as per Comments*	KW	
1.6	27-10-2016	*Amended as per Comments*	ST	MM
1.5	17-10-2016	*Amended as per Comments*		
1.4	17-10-2016	*Amended as per Comments*	ST	MM
1.3	30-08-2016	*Amended as per Council Req.*	MM	LS
1.2	07-04-2016	*Amended as per Council Req.*	MM	LS
1.1	22-03-2016	*Amended as per Council Req.*	MM	LS
1.0	07-03-2016	*Issued for Information*	MM	LS

www.invarion.com

LEGEND

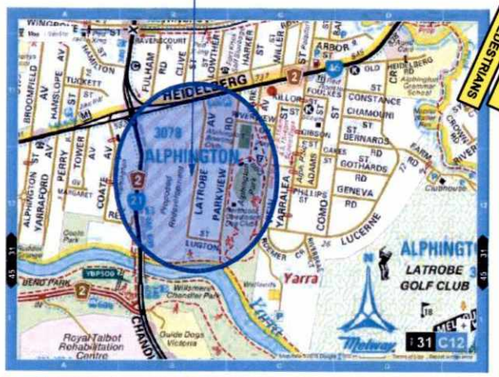
- TEMPORARY FENCE
- WALKING TRACK
- ALTERNATE WALKING TRACK
- MAIN DRAIN WORKS

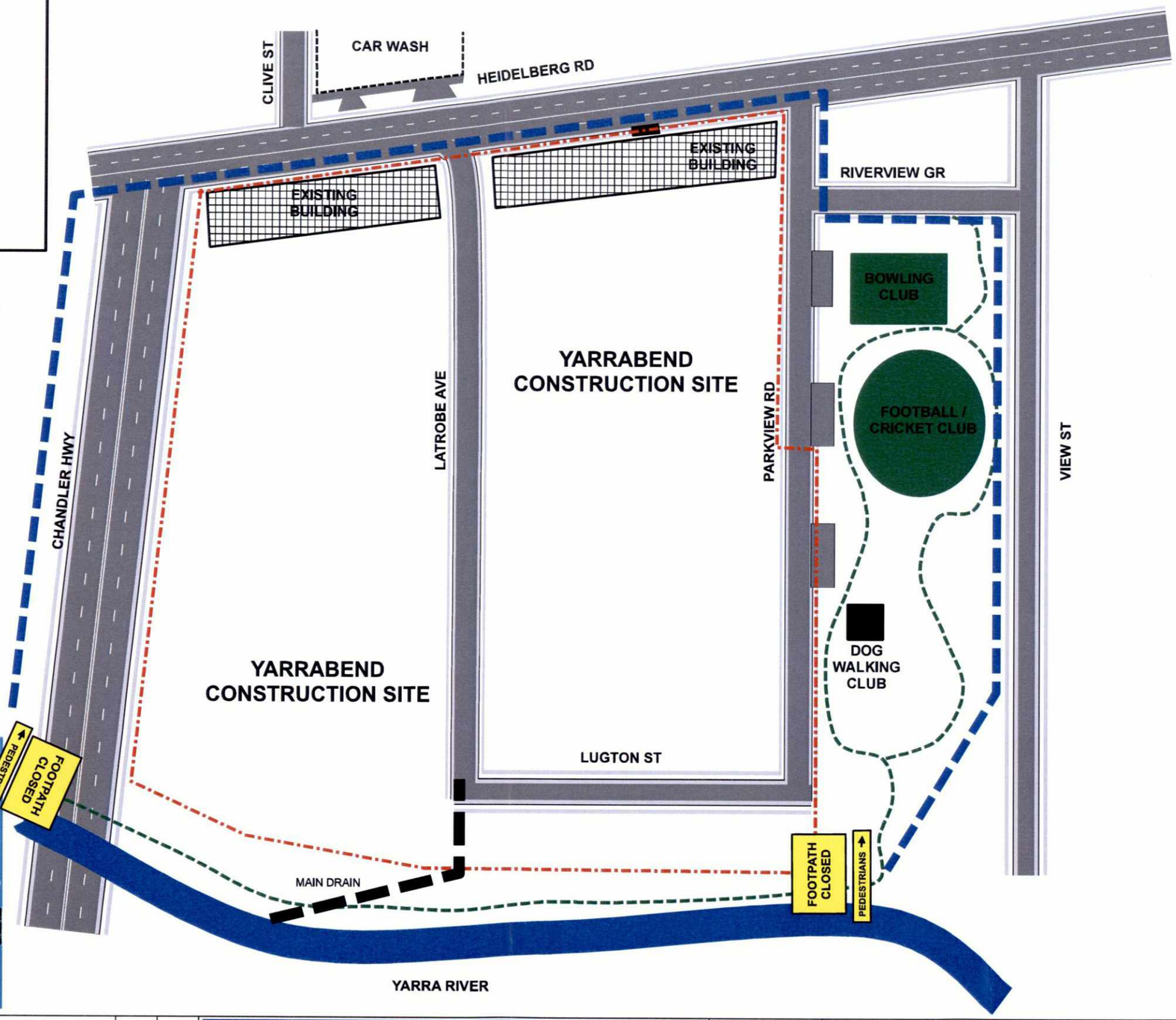
PEDESTRIANS
USE WALKING TRACKS AND FOOTPATHS
AT ALL TIMES

EAST CLOSURE TO WEST CLOSURE
- VIEW ST (West Side)
- RIVERVUE GR (South Side)
- PARKVIEW DR (East Side)
- HEIDELBERG RD (South Side)
- CHANDLER HWY (West Side)

WEST CLOSURE TO EAST CLOSURE
- CHANDLER HWY (West Side)
- HEIDELBERG RD (South Side)
- PARKVIEW DR (East Side)
- RIVERVUE GR (South Side)
- VIEW ST (West Side)

CONSTRUCTION SITE





REV	DATE	DESCRIPTION	DRAWN	APP.
A	15/2/2017	FOR COUNCIL APPROVAL	B.S	B.S

CSC CIVIL CONSTRUCTIONS

CSC CIVIL CONSTRUCTIONS (AUST) PTY LTD
ABN 28 611 000 625
13 Trade Place, Vermont, VIC, 3133
Tel: (03) 8872 7100 Email: admin@csccivil.com.au Web: csccivil.com.au

DRAWN	B.SCOBLE
DATE	15/2/2017
CHECKED	B.SCOBLE
DATE	15/2/2017
APPROVED	B.SCOBLE
SIGNATURE	

TITLE
YARRA RIVER WALK CLOSURE PEDESTRIAN MANAGEMENT PLAN

PROJECT ADDRESS	LATROBE AVE & PARKVIEW RD, ALPHINGTON			SHEET 1 of 1
PROJECT No. C5258	MELWAYS 31 C12	SCALE NTS	SIZE A3	REVISION A
STATUS	FOR COUNCIL APPROVAL			

www.invarion.com

CLIVE ST

CAR WASH

HEIDELBERG RD

GATE 1

ENTRANCE TO BE MANNED DURING DAYS OF CARTAGE
TO MANAGE PEDESTRIANS WALKING AND;
INSPECT TRUCKS FOR RESIDUAL MUD ON WHEELS

RIVERVIEW GR

DELTA
DEMOLITION SITE

GATE 2

LATROBE AVE

RUMBLE GRID
ALL TRUCKS LEAVING SITE
MUST TRAVEL OVER GRID

CSC CIVIL CONSTRUCTIONS
TOWNHOUSES - STAGE 3.2

GATE 3

BOWLING CLUB

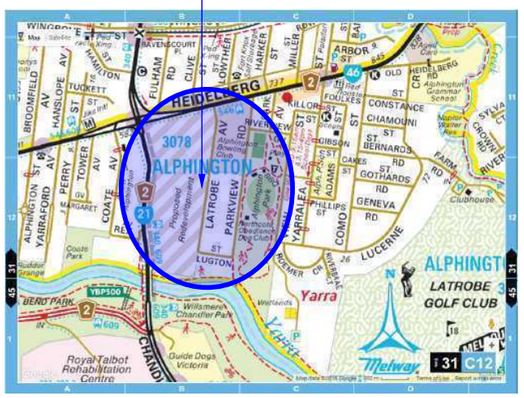
FOOTBALL /
CRICKET CLUB

CONSTRUCTION
SITE

CSC CIVIL CONSTRUCTIONS
HOUSE & LAND
STAGE 1-4

PARKVIEW RD

DOG
WALKING
CLUB



LEGEND

- TEMPORARY FENCE
- ACCESS GATE
- NO PARKING ZONE
- TRUCK ROUTE ENTRANCE
- TRUCK ROUTE EXIT

REV	DATE	DESCRIPTION	DRAWN	APP.
B	24/11/2017	FOR COUNCIL APPROVAL	B.S	B.S

CSC CIVIL CONSTRUCTIONS (AUST) PTY LTD
ABN 28 611 000 625
13 Trade Place, Vermont, VIC, 3133
Tel: (03) 8872 7100 Email: admin@csccivil.com.au Web: csccivil.com.au

DRAWN	B.SCOBLE
DATE	24/11/2017
CHECKED	B.SCOBLE
DATE	24/11/2017
APPROVED	B.SCOBLE
SIGNATURE	

TITLE
TRUCK ROUTE
TRAFFIC MANAGEMENT PLAN

PROJECT ADDRESS: LATROBE AVE & PARKVIEW RD, ALPHINGTON

SHEET: 1 of 1

PROJECT No.	MELWAYS	SCALE	SIZE
C5258	31 C12	NTS	A3

STATUS: FOR COUNCIL APPROVAL

REVISION: B

www.invarion.com

ROADWORK SIGNAGE DO NO BLOCK CARWASH SIGN

CLIVE ST

CAR WASH

HEIDELBERG RD

LOCATE SIGNS 10m FROM BUS SHELTER

ROAD CLOSED ON SIDE ROAD

ROAD CLOSED ON SIDE ROAD

GATE 1

ROAD CLOSED

EXISTING BUILDING

EXISTING BUILDING

DELTA ENTRANCE

DELTA DEMOLITION SITE

DELTA ENTRANCE

DELTA DEMOLITION SITE

GATE 2

SITE ENTRANCE

ROAD CLOSED

DANGER CONSTRUCTION SITE DO NOT ENTER

FIXED PANEL

GATE

GATE

CSC LOCK & CHAIN

LATROBE AVE

GATE 1 - SITE ACCESS
- GATES CLOSED FROM 6pm - 6am (OPEN ALL OTHER TIMES)

GATE 2 - CSC / GLENVILL ACCESS ONLY
- KEEP GATE CLOSED AT ALL TIMES

GATE 3 - CSC ACCESS ONLY (LIGHT VEHICLES)
- VICROADS CONSTRUCTION ACCESS (BY APPOINTMENT ONLY)
- KEEP GATE CLOSED AT ALL TIMES

CONSTRUCTION SITE

ROAD CLOSED AHEAD

RIVERVIEW GR

ROAD CLOSED PREPARE TO STOP

ROAD CLOSED ON SIDE ROAD

BOWLING CLUB

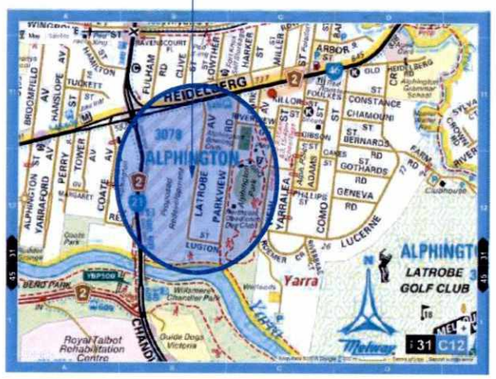
FOOTBALL / CRICKET CLUB

GATE 3

ROAD CLOSED

PARKVIEW RD

DOG WALKING CLUB



LEGEND

- TEMPORARY FENCE
- ACCESS GATE
- ROAD WORK AHEAD — EXTERNAL SIGNAGE TO BE MOUNTED ON STATIC POLES (2.2 m)
- NO PARKING ZONE

REV	DATE	DESCRIPTION	DRAWN	APP.
C	15/2/2017	FOR COUNCIL APPROVAL	B.S	B.S
B	27/10/2016	COUNCIL AMENDMENTS	B.S	B.S
A	17/10/2016	FOR COUNCIL APPROVAL	J.S	B.S

CSC CIVIL CONSTRUCTIONS

CSC CIVIL CONSTRUCTIONS (AUST) PTY LTD
ABN 28 611 000 625
13 Trade Place, Vermont, VIC, 3133
Tel: (03) 8872 7100 Email: admin@csccivil.com.au Web: csccivil.com.au

DRAWN B.SCOBLE
DATE 15/2/2017
CHECKED B.SCOBLE
DATE 15/2/2017
APPROVED B.SCOBLE
SIGNATURE

TITLE
ROAD CLOSURE / SITE ENTRANCE TRAFFIC MANAGEMENT PLAN

PROJECT ADDRESS: LATROBE AVE & PARKVIEW RD, ALPHINGTON

SHEET: 1 of 1

PROJECT No. C5258 | MELWAYS 31 C12 | SCALE NTS | SIZE A3

STATUS: FOR COUNCIL APPROVAL

REVISION: C

Conditions:

1: MoA approval is subject to PTV approval.

VERSION 1.1

RWE - 144043

VICROADS

MEMORANDUM OF AUTHORISATION
TO ERECT, DISPLAY, PLACE, REMOVE OR ALTER TRAFFIC CONTROL DEVICES

APPLICATION

Pursuant to Regulations under Part 2 – Installation of Traffic Control Devices – of the Road Safety (Traffic Management) Regulations 2009, I/we hereby apply for authorisation to erect, display, place, remove or alter (as the case may be) the Traffic Control Device(s) as specified herein.

I/We also agree and acknowledge that:

1. The Traffic Control Devices will be removed before the "Expiry (Removal) Date" unless a further authorisation has been granted;
2. Accurate records of actual usage will be kept in a recoverable document (eg. diary);
3. The attached plans are a true and accurate reflection of the base information and proposed treatment(s); and
4. The treatment(s) as shown on the plan(s) are in accordance with the Worksite Safety Traffic Management - Code of Practice; and
5. This application has been prepared and submitted by a VicRoads prequalified Traffic Management company for works on VicRoads controlled roads (where applicable).

1. APPLICATION DATE:	20/05/2017	**VICROADS CONTACT DETAILS:**	
APPLICANT DETAILS		**8. ARE THESE WORKS ON BEHALF OF VICROADS OR A VICROADS CONTRACT ADMINISTRATOR?**	No
2. NAME:	Molly Ryan	**9. IF YES, WHAT CATEGORY DO THE WORKS COME UNDER?**	
3. COMPANY:	M Group Construction Services	**10. IF YES, WHO IS THE VICROADS CONTACT?**	
4. PHONE NUMBER:	9310 4066	**WORKS MANAGER DETAILS**	
5. MOBILE NUMBER:	0434 409 159	**11. COMPANY NAME:**	CSC Civil
6. EMAIL:	permits@mgroupcs.com.au	**12. ON SITE CONTACT NAME:**	Mark Pringle
7. SIGNATURE:	*Molly Ryan*	**13. ON SITE CONTACT MOBILE:**	0413 619 705
		TRAFFIC MANAGEMENT COMPANY DETAILS (FOR IMPLEMENTATION)	
Please do not alter the format of the MoA Application form.		**14. COMPANY NAME:**	M1 Traffic Control
ALL fields must be accurately completed in order for your MoA application to be processed.		**15. ON SITE CONTACT NAME:**	Jess Bertram
		16. ON SITE CONTACT MOBILE:	0488 106 060

17. HAVE THE FOLLOWING BEEN APPLIED FOR AND APPROVED?	**YES, N/A or EXEMPT**	**Consent / App Number**	**IF N/A or EXEMPT, EXPLAIN WHY.**
CONSENT FOR WORKS	N/A		
NOTIFICATION OF PROPOSED WORKS	N/A		

DESCRIPTION OF WORK / EVENT

18. TYPE OF WORK / EVENT:	Road construction		
19. SCOPE OF WORK / EVENT (IN DETAIL):	Road Closure for truck crossing		
20. LANE CLOSURE DETAILS:	Road Closed	**21. NUMBER OF LANES CLOSED:**	
22. EXISTING SPEED LIMIT (KM/H):	50, 60	**23. TIME DELAY:**	0 to 5 min
24. PROPOSED TEMPORARY ROADWORKS SPEED LIMIT (KM/H):	nil	**25. TRAFFIC MANAGEMENT PLAN REFERENCE NUMBER(S):**	CSC Civil - Latrobe Ave - Alphington (Truck Crossing) TMP v1.7 opt
26. CLEARANCE TO TRAFFIC (ie. workers/operating plant):	1.2m to 3m	**27. LENGTH OF WORKSITE (M): (ie. distance from first sign to the last sign)**	
28. MAJOR TRAFFIC CONTROL DEVICE(S):			
29. MINOR TRAFFIC CONTROL DEVICE(S):	Ahead, On Side Road, Prepare to Stop, Road Closed, Symbolic Truck		
30. MAJOR TRAFFIC CONTROL DEVICE(S) FOR AFTERCARE:			
31. MINOR TRAFFIC CONTROL DEVICE(S) FOR AFTERCARE:			
32. IS THIS APPLICATION A REPEAT OF ONE PREVIOUSLY AUTHORISED?	Yes	**33. IF YES, THE VICROADS REF NUMBER IS/WAS:**	144043

LOCATION DETAILS

34. AREA / TOWN / SUBURB:	Alphington	**35. MUNICIPALITY:**	Yarra City Council
36. DECLARED / LOCAL ROAD NAME:	Latrobe Ave	**37. MELWAY REF.** ☑ **VCSD REF.** ☐	31 B11
38. NEAREST INTERSECTING ROAD OR CHAINAGE:		Heidelberg Rd	

EXPECTED DISPLAY DATES / TIMES

39. DAYS:	Full week including weekends - Sunday to Saturday					
	Period 1 (Insert setup type if more than one)			**Period 2 (ie. shoulder closure)**		
40. ERECTION DATE: (ie. Day, Month, Year)	13	May	2017			
41. EXPIRY (REMOVAL) DATE: (ie. Day, Month, Year)	16	November	2017			
42. DAILY DISPLAY TIME (WEEKDAYS): (eg. 9:30am to 3:30pm)	06:00 AM		06:00 AM			
43. DAILY DISPLAY TIME (WEEKENDS): (eg. 9:30am to 3:30pm)	06:00 AM		06:00 AM			
44. AFTERCARE DISPLAY TIME: (eg. 3:30pm to 9:30am)						
45. ADDITIONAL INFORMATION: (eg. VicRoads Contract No., other working times)	Road Closure in place 24/7					
46. PERMANENT DEVICES TO BE CHANGED OR COVERED:	Existing Speed Signs					

AUTHORISATION (VicRoads Internal Use Only)

As a VicRoads officer with the delegated power, I hereby grant authority to the use of Traffic Control Devices as specified above.

.....

Signed.....

Thuan Nguyen
Acting Permits and Events Coordinator
Network Access Services
VicRoads

Date: 4/05/2017

Contact: Darren Uch

Authorised copies to:

1. Contractor / Applicant

Memorandum of Authorisation Standard Conditions

Updated 18 February 2016

This Memorandum of Authorisation only applies to the temporary use of Traffic Control Devices (both major and minor), as defined in the Road Safety (Traffic Management) Regulations 2009 – It is not a consent that authorises works within the road reserve (Consent for Works). If works are undertaken by any person (including traffic management companies) without having obtained the consent of the Coordinating Road Authority (or otherwise being exempt from the requirements to obtain consent), then the person will be guilty of an offence and liable to a fine.

1) Only VicRoads pre-qualified companies at TMP or TGS levels (Worksite Traffic Management Implementation category) are allowed to apply for a Memorandum of Authorisation (MoA). Only VicRoads pre-qualified companies at TGS level are allowed to implement the traffic guidance scheme required by the traffic management plan on Victoria' freeways and arterial roads.

2) This MoA is issued to the traffic management (TM) company named on the application. Only this TM company is allowed to undertake the worksite traffic management at the location described on the application. This MoA is not transferable to a different company or person(s).

3) The traffic management may only be undertaken on the dates and times set out in the MoA. No restriction to traffic flow is permitted outside of this period. Normal traffic flow will be restored after each work session.

4) VicRoads Traffic Management Centre (TMC) is to be advised on 13 11 70 immediately before traffic management is implemented and then again immediately after it is completely removed quoting the Road Works and Events (RWE) reference number.

5) Approval for the works shall be obtained from the relevant Council(s) if required.

6) All emergency services are to be notified of the works and altered traffic conditions at least 48 hours prior to commencement of the works via the following addresses: roadclosures@ambulance.vic.gov.au, stateevents@police.vic.gov.au, estathofiresupervisors@esta.vic.gov.au, central@ses.vic.gov.au.

7) Written approval is required from any public transport authorities that may be affected prior to the commencement of the traffic management.

8) Written notification must be sent to all property occupiers affected by the works at least 48 hours prior to commencement of the works. Continuing access shall be provided for all properties, unless alternative arrangements acceptable to the occupiers are made.

9) Any lawful direction/s of members of the Victoria Police, authorised local Municipal Council/s and VicRoads Officers must be complied with at all times.

10) Traffic management is to be prepared in accordance with "***Code of Practice – Worksite Safety Traffic Management***" and ***AS 1742.3 Part 3 Traffic control devices for works on roads***. The set out of the traffic management on site may be adjusted to take into account site conditions but should meet the minimum requirements of the standards and codes.

11) The traffic management is conducted in a manner that minimises inconvenience to other road users. If traffic congestion becomes excessive at anytime, the TM company must undertake measures to ease congestion.

12) The TM company shall ensure that there is no conflict between the existing speed limit signs and the work site speed limit signs during the work period. All existing signs within the work area must be covered during work times if required.

13) Any support vehicle or equipment engaged in the works must not occupy, restrict or otherwise affect the remaining traffic lanes.

14) No sign or other structure is to be attached to any road furniture, structure, pole, tree, etc. and no structure prop, sign or other item is to be erected unless written approval is obtained from the relevant authority.

15) To the satisfaction of, and at no cost to VicRoads, the TM company shall be responsible for reinstating any VicRoads' assets that may be removed, modified or damaged.

16) The TM company must take out Public Liability insurance policy for the type of work proposed of not less than Twenty Million Dollars ($20,000,000), including full indemnity for VicRoads against any claim laid against it either by members of the public or persons engaged in any activities associated with the traffic diversion who, as a result of the diversion, suffer personal injury, property damage or financial loss.

17) VicRoads does not accept responsibility for any loss or damage (including pure financial loss, direct or indirect losses or legal expenses) arising out of reliance on this MoA or a failure by VicRoads to grant or verify a MoA. The applicant indemnifies VicRoads against any such loss or damage.

18) VicRoads reserves the right to amend or revoke the MoA at any time.

19) A copy of this MoA (with the relevant TMP's) must be easily available onsite for the viewing of any government authority.

20) Works shall comply with EPA's standards and compliance guidelines for noise in road works and major infrastructure projects (Refer to EPA website: http://www.epa.vic.gov.au/business-and-industry/guidelines/noise-guidance/road-works).

21) Application for extensions must be submitted to VicRoadsMetroMOA@roads.vic.gov.au, at **least 5 working days** before the existing application expires. A copy of the previous approval and relevant TMP must be provided with the extension request. Approval for extensions may be rejected or withheld if any concerns were raised such as poor traffic management set-up or working outside the stated times. Any extension requests that have been submitted after the expiration date will be rejected and a new application should be provided.

22) Installation of traffic management devices within 200m of any enforcement safety camera infrastructure will require a minimum of one week advanced notification to the Department of Justice and Regulation (DJR) - Camera Operations via email to techops@justice.vic.gov.au informing DJR of a point of contact for the works, location, extent and accurate duration of the works prior to erection of any devices. Camera locations can be accessed through DJR website at http://www.camerassavelives.vic.gov.au.

23) By applying for a MoA, the applicant gives consent to VicRoads to distribute the contact details included with the application to any government authority or to the general public, in connection with the proposed work/event.

24) Only VicRoads accepted safety barriers are allowed for use at work sites. A list of accepted safety barriers can be found in VicRoads Road Design Note RDN 06-04 Accepted Safety Barrier Products (https://www.vicroads.vic.gov.au/business-and-industry/design-and-management/design-standards-and-manuals/technical-publications-az). All safety barriers are to be installed and used in accordance with VicRoads requirements, the manufacturer's product manual and installation instructions.

25) Installation of traffic control devices within 100 m of any level crossings will require a minimum of one week advance notification via email to the Train Operator (s) and agreement prior to erection of any devices. The notification to the Train Operator (s) should include of a point of contact for the works, location, extent and accurate duration of the works.

(a) For MTM, METROL is the Train Control Centre for all serious incidents and emergencies (03 9610 7204 / 7205). If works are planned within the MTM Rail Corridor (MTM Leased Land), MTM Third Party Access must be notified and a site access agreement entered into. The main contact for this is via Tel: 0408 594 364 or MetroSiteAccess@metrotrains.com.au. When works are about to commence, all contractors must notify the MTM Access Control Centre to obtain a permit (03 9619 5647) so MTM are aware of authorised personnel working on MTM leased land, including at level crossings.

(b) For V/Line, contact operational impacts, emergencies to Centrol Train Control Ph. 9619 1077 or 1800 023 668. Access information and site permits via tpa.vline.com.au and email to access@vline.com.au.

(c) In regional Victoria, applicant must seek to ensure that a similar notification process is followed and a site access agreement entered into where the operation of temporary traffic management activities impact on the regional VLine, the ARTC interstate network and heritage railways.

For further enquires please contact **(03) 9854 2781** or email: **wwrrenquiry@roads.vic.gov.au**.

Raingarden construction checklist

This list has been developed by Melbourne Water for use by Councils in assessing raingarden construction projects.

Raingarden location	
Inspected by	
Asset ID	
Date and time	

Item Inspected	Satisfactory (Y/N/NA)	Comments
Preliminary Works		
1. Erosion and sediment control plan adopted		
2. Traffic control measures		
3. Location including inlet same as plans		
4. Site protection from existing stormwater flows		**Hold Point**
Earthworks and structural works		
5. Bed of basin correct shape		
6. Batter slopes and edging as per plans		
7. Dimensions of filter and surface area as plans		
8. Confirm surrounding soil type with design		
9. Impermeable 1mm PVC liner, hot weld all joints		
10. Pipe joints and connections as designed		
11. Inlet, perforated pipe underdrain, flushing points and overflow pit installed as designed		**Hold Point**
12. Drainage layer media as designed		
13. Transition layer media as designed		
14. Filter media specifications tested from stockpile delivered to site. Hydraulic Conductivity, Particle Size Distribution and Organic Content are within Specifications		
15. Surface level of filter media is correct, leaving ponding depth as per drawings. Surface is entirely flat		**Hold Point**

Item Inspected	Satisfactory (Y/N/NA)	Comments
16. Surface mulch is washed stone aggregate, distributed with space around plant stems.		
17. Planting as designed (species and densities)		**Hold Point**

Raingarden handover checklist

This list has been developed by Melbourne Water for use as a guide by Councils in assessing raingarden construction handover projects.

Location	
Inspected by	
Asset ID	
Date and time	
Asset designed by:	
Asset constructed by	
Defects and liability period:	

Item Inspected	Satisfactory (Y/N/NA)	Comments
Treatment		
1. System appears to be working as designed visually?		
2. No obvious signs of under-performance?		
3. In situ measurement of Hydraulic Conductivity K_{fs} is 100-300mm/hr		http://www.monash.edu.au/fawb/publications/index.html
Maintenance		
4. Maintenance plans provided for each asset?		
5. Inspections and maintenance undertaken as per maintenance plan?		
6. Recent inspection and maintenance checklist completed and with no outstanding issues?		
7. Asset inspected for defects?		
Asset Information		
8. Design Assessment Checklist provided?		
9. As constructed plans provided?		
10. Copies of all required permits (both construction and operational) submitted?		
11. Proprietary information provided (if applicable)?		
12. Digital files (including drawings, survey, MUSIC and other models) provided?		
13. Asset listed on asset register or database?		