



Health and Safety Design Risk Management Register

Project Name: Elm Grove, Hayling island		Project Reference: SO-2267-05-LA-MCS 551		
Prepared By: The New Leaf Studio		Project Stage: Stage 5 Construction		
Hazard No.	Description of Risk	Risk Owner	Actions Required or Mitigation Measures taken	Residual Risks & ongoing measures
01	Timber Arbour Risk of injury through lifting	McCarthy & Stone, Principal Contractor	Structure has been designed to be constructed in pieces on site avoiding need for specialist lifting equipment, however some sections of timber may still exceed 25kg in weight. Principle Contractor to monitor works to ensure good working practices are followed, minimising any risk of injury through manual handling/lifting. If required supply necessary equipment to help lift timbers into place	
02	Paving Materials – PCC Kerbs- Risk of injury through lifting	McCarthy & Stone, Principal Contractor Management Co	Some lengths of existing kerb are retained within carpark however new kerb units will be required to complete the layout required as part of the design. These units are likely to exceed 25kg in weight so appropriate equipment should be utilised when they are moved to prevent injuries from lifting. Principle contractor to monitor works to ensure good working practices are followed, minimising risk of injury through manual handling/lifting.	Management company to note that where any kerb unit need to be replaced in the future, appropriate equipment should be used for lifting.
03	Vertical Bar Railings- Risk of injury from lifting	McCarthy & Stone, Principal Contractor Management Co	Railings will typically be supplied in pre-made panels to be fixed in place on site. These are likely to exceed 25kg in weight so will need two or more men or appropriate equipment to lift into place. Principle contractor to monitor works to ensure good working practices are followed by the fencing sub-contractor/fabricator, minimising risk of injury through manual handling/lifting.	Management company to note issue in case any panel need replacing in the future.
04	Existing trees both within and overhanging site boundary. Risk to operatives and thereafter residents from falling branches	McCarthy & Stone, Principal Contractor Management Co	All surgery works to existing trees as recommended by Ian Keen Ltd should be completed prior to start of building work. However after this there is still a risk over time for dead wood or damage to appear in the crown of any tree, or weak structure to develop, particularly where trees have been pollarded in the past (trees 2 and 3).	We recommend the management company ensure the trees both within and overhanging the site are inspected biennially as a minimum, by a qualified arboriculturalist, with any recommend work completed
05	Installation of bellmouth and kerbs along St Marys Road – Risk of injury from passing vehicles to operatives working within road	McCarthy & Stone, Principal Contractor	The risk cannot be avoided as the highway works are required, however it can be minimised Principle Contractor to use appropriate traffic management together with barriers/protective fencing to provide a safe working area	
06	Installation of new boundary wall and railings together with making good footpath fronting Elm Grove – Risk of injury to public from tripping, materials used	McCarthy & Stone, Principal Contractor	The works cannot be designed out but risk can be removed. Principle Contractor to ensure barriers/protective fencing are erected whilst wall and railings are being installed.	
07	Demolition of existing south boundary wall, erection of new wall and repair to existing wall adjacent – Some risk to public from tripping or flying debris when cutting materials.	McCarthy & Stone, Principal Contractor	Works are required so cannot be avoided. Principle Contractor to ensure barriers/protective fencing are erected whilst wall is demolished and re-built/repairs take place. Any cutting should be carried out within the site boundary	
08	Breaking out existing hard surfaces to carpark and other excavations into existing ground. Risk of injury or death from unknown services/power cables	McCarthy & Stone Principal Contractor	There is a possibility that not all service routes and their locations will be recorded/known. Power cables in particular pose a risk to operatives, particularly where excavations within root zones of protected trees are to be completed by hand To minimise risk Principle Contractor to check service information available and undertake CAT survey of existing site to record any power cables prior to any excavation work. If anything is found this should be accurately noted on a drawing for future record.	
09	Trees and large specimen shrubs – Risk of injury through lifting	McCarthy & Stone Principal Contractor	New trees and specimen shrubs proposed are required at a large size in order to have immediate visual impact Specimens may weigh in excess of 25kg. To minimise risk of injury Principle Contractor to monitor works to ensure good working practices are followed by the landscape sub-contractor. E.g provide telehandler or similar equipment to lift plant material off lorry when delivered and ensure barrow or similar are used to move into place, keeping any lifting by hand to a minimum.	
10	Excavations adjacent to northern boundary walls – Risk of injury to operatives and public from collapse	McCarthy & Stone Principal Contractor	The intention is for the north wall of an existing garage to be retained as part of this boundary, however the condition of the wall and nature/extent of foundation are unknown, so when the concrete internal slab is broken out there is some risk of potential collapse. Further west is an existing concrete panel wall which is to be retained as the site boundary, however we do not know its condition nor can we assess if excavations for foundations and/or deduced level dig adjacent may risk some collapse McCarthy and Stone to seek advice from engineer to assess condition of these walls with Principle Contractor following their recommendations accordingly. Trial pits may be required to assess depth and size of existing foundations.	



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Client: McCarthy and Stone

Project: Elm Grove, Hayling Island

Title: Site Hazards Associated with Landscape Works

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