

Project Number	D2493	Document Number	D2493_RR001	Revision	00	
Project Name	Silver Street & Crown Street, Reading	Document Title	Landscape CDM Risk Register	Issued Date	17.05.2017	
Client Name	Dalmore Land Limited	Document Status	Planning	Issued By	AH	

GENERAL STANDARDS AND EXPECTATIONS

This document has been prepared, on behalf of the Dalmore Land Limited in order to identify specific hazards arising within the Silver Street and Crown Street Development

The document is prepared in accordance with 'Managing health and safety in construction – Construction (Design and Management) Regulations 2015'.

Any works shall be carried out in accordance with the approved fabrik drawings and specifications. Good horticultural practice and the current British Standards should be followed with all operatives being trained according to the task to be undertaken. It shall be the contractor's responsibility and liability for any damage to person or property, however caused whilst on site.

DRAWING LIST:

The risk assessment has been prepared based on the following drawing list.

D2493 L.001	Detailed Plan Schedule & Specification
D2493 L.200	Detailed Hard Landscape General Arrangement Plan
D2493 L.300	Detailed Soft Landscape General Arrangement Plan

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Hazard Reference	CDM001				
Drawing Reference	All General Arrangement Plans				
Activity / Element	Seed Sowing				
Potential Hazard	Invasive species				
Design Mitigation	Seed mixtures have been specified by BBD to ensure correct meadow establishment and no invasive species are used				
Residual Risk	Tender	Contractor to demonstrate correct seed mixtures are used via certificate			
	Operation	Ongoing maintenance to ensure invasive species are removed			

Hazard Reference	CDM002				
Drawing Reference	All General Arrangement Plans				
Activity / Element	Large trees specified for the scheme				
Potential Hazard	Manual handling/musculo-skeletal injuries from lifting of large elements				
Design Mitigation	All proposed trees/plants specified to be lifted using suitable heavy equipment or crane and placed directly into the pits to minimise handling.				
Residual Risk	Construction	- Contractor with experience of installing large trees to be appointed - Contractor to provide safe working method for installation of the trees during construction - Mechanical lifting equipment will be required at all levels to assist with the minor movements required to position trees			
	Operation	Following completion of the construction works, replacement trees will need to be installed using a temporary crane. Method statements will be required for mechanical lifting and separation from the public			

Hazard Reference	CDM003				
Drawing Reference	All General Arrangement Plans				
Activity / Element	Oversized elements				
Potential Hazard	Manual handling/musculo-skeletal injuries from lifting of large elements such as paving units, street furniture, linear concrete benches and cycle shelters (this list is not exhaustive)				
Design Mitigation	Allow for mechanical lifting.				
Residual Risk	Construction	Method statement for work during construction. Safety measures following audits.			

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	Operation	n/a
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Hazard Reference	CDM004				
Drawing Reference	Detailed Hard Landscape General Arrangement Plans				
Activity / Element	Landscape Materials				
Potential Hazard	Dust and small partials produced from landscape hard materials				
Design Mitigation	- Materials have been specified to reduce / avoid creation of dust that poses risk to the contractor during installation and the public post installation. - Contractor to carry out toolbox talks and provide appropriate equipment at the construction stage to personnel.				
Residual Risk	Tender	Method statement for work during construction. Safety measures following audits.			
	Operations	n/a			

Hazard Reference	CDM005				
Drawing Reference	Detailed Hard Landscape General Arrangement Plans				
Activity / Element	Construction of hard paved elements and other stonework				
Potential Hazard	Cutting stone on site				
Design Mitigation	Design paving patterns to reduce cutting as far as possible				
Residual Risk	Tender	Small cuts may be unavoidable			
	Operations	n/a			

Hazard Reference	CDM006				
Drawing Reference	All drawings				
Activity / Element	Hot Work / Handling dangerous materials				
Potential Hazard	Fire/Explosion Dust Fumes/Chemical Splash				
Design Mitigation	Design minimal hot work elements where possible.				

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	Contractor to ensure correct method statements are produced and presented to operatives.				
Residual Risk	Construction	Method statement for work during construction. Safety measures following audits.			
	Operation	n/a			

Hazard Reference	CDM007				
Drawing Reference	All General Arrangement Plans				
Activity / Element	Landscape Materials				
Potential Hazard	Cuts and abrasions to personnel				
Design Mitigation	The specifying of materials with sharp edges or require cutting has been avoid where possible. Minimal cutting will be required for paving slabs				
Residual Risk	Tender	Method statement for work during construction. Safety measures following audits.			
	Operations	N/A			

Hazard Reference	CDM008				
Drawing Reference	Detailed Soft Landscape General Arrangement Plans				
Activity / Element	Plant species				
Potential Hazard	Poisonous species pose risk to young children.				
Design Mitigation	No poisonous species specified				
Residual Risk	Construction	n/a			
	Operation	n/a			

Hazard Reference	CDM009				
Drawing Reference	All General Arrangement Plans				
Activity / Element	Earthworks / Ground works.				
Potential Hazard	Conflict with landscape elements and the proposed services and drainage on site.				
Design Mitigation	Final review of service information that has been provided to date to avoid conflicts between planting and trees and service runs.				

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Residual Risk	Planning Operations	- n/a - Final location to be agreed and checked on site. Tree planting areas are to be clearly identified, as built record drawings of services required prior to landscape contractor starting on site.
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Hazard Reference	CDM010	
Drawing Reference	All General Arrangement Plans	
Activity / Element	Earthworks / Ground works.	
Potential Hazard	The design of confined spaces within the landscape.	
Design Mitigation	The designing of small confined spaces within the landscape has been avoided at the planning stage. Contractor to carry out site inductions and monitor on site / method of work.	
Residual Risk	Planning	n/a
	Operation	Low

Note: In accordance with the Construction Design Regulations 2015, a design risk assessment has been undertaken for the elements of work shown on the landscape planning drawings.	Note: The contractor shall ensure that prior to commencement of works, all work shall have in place a full method statement and risk assessment. The contractor shall also ensure that all operatives are correctly inducted and are competent to undertake the work. All temporary works required to undertake the works shall be designed by the contractor. Any special construction sequences are identified on the drawing where required.
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