

PROJECT No. 869		DESIGNERS RISK ASSESSMENT	BRADFORD-SMITH LANDSCAPE ARCHITECT
START OF FORM: August 2021	SOFTWARES		
REV -:			
Project: 39 Brunswick Hill, Reading, RG1 7YU			

Ref No	Activity/ Element	Potential Hazards	Population at risk	Likelihood	Impact	Action at the Design Stage (by the Design Team)	Action Taken	Possible Control Options (Project manager / Contractors / End User)
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1	Access and parking	One existing site access/egress to be widened to serve site off Brunswick Hill, Reading.	Construction/ adjoining site users / members of the public.	MED	HIGH	Identify area within proposed car parking area for unloading and parking during construction and maintenance visits outside the root protection areas of existing trees.		Landscape contractor to liaise via main contractor/client with adjacent site management team. Banksman to control vehicle traffic at site entrance. Site deliveries to be coordinated, outside key vehicle movement times with adjacent land uses where possible.
2	Access and parking	Proximity of cultivation and planting operations to main access route into site and adjacent public footpath.	Construction / maintenance staff /client	LOW	MED	Identify area within proposed car parking area for unloading/loading and parking during construction and maintenance visits and for access to soft landscape areas outside the root protection areas of existing trees.		Client / Contractor to coordinate site area / access requirements prior to contract award.
3	Movement of vehicles & construction of hard surfaces	Access & egress to the site; Tripping	Site users / members of the public	HIGH	HIGH	Ensure roadways & paths are kept clean and clear at all times; erection of site fencing/ barriers & signs. Avoid trip hazards.		Landscape Contractor to liaise with client to coordinate site area / access requirements prior to contract award.
4	Groundworks	Excavation of potential contamination.	Implementation and maintenance / future implementation contractors.	LOW	MED	Review emerging Si reports and note any restrictions on excavation.		Facility manager to be informed of any restrictions to digging during operational use / management of site.
5	Groundworks	Removal of the existing tree & tree roots.	Construction / maintenance staff/ members of public.	MED	MED	Client has employed an Arboriculturalist to advise on existing trees on site. This advice is to be included within the pre- tender package of information supplied to all tendering contractors.	GHA Trees Arbori - cultural Consultant	Principle contractor to employ the services of an arboriculturalist to supervise works undertaken on site.

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6	Ground works and maintenance	Existing and new services.	Construction / maintenance staff	LOW	MED	The Principal Designer is to include all available existing plans in the pre-tender package of information to be supplied to all tendering contractors.		Landscape Contractor - All operatives shall be fully trained and be aware of location of existing and proposed services.
7	Ground preparation to all planted areas.	Chemicals used in weed control and gravel areas.	Construction / maintenance staff/ members of public	LOW	MED	Acknowledgement of risk and provide identification of areas for treatment.		Landscape Contractor - All operatives shall be fully trained and certified
8	Groundworks and softworks preparation	Damage to existing tree roots, possible destabilising of trees / long term health of existing trees.	Construction / adjoining site users / members of the public	MED	HIGH	Client has employed an Arboriculturalist (David Archer Associates) to advise on tree root protection measures. This advice is to be included within the pre tender package of information supplied to all tendering contractors. Existing trees: Refer to GHA – AMS report on implementation works within RPA's to rear garden / car parking areas.	GHA Trees Arbori - cultural Consultant	Principle contractor to employ the services of an arboriculturalist to supervise works undertaken on site within the tree roots zones identified within the Client's Arboriculturalist's report and provide a report detailing the works on site, with a summary including identifying any future risk / requirements as a result of the construction works being carried out.
9	Soft landscape activities and maintenance	Horticultural machinery & tools can be dangerous, use of heavy sharp hand or power tools. Possibly use of bowser.	Construction and maintenance staff. Medium risk of conflict between maintenance contractor and operational users	MED	MED	Acknowledgement of risk. Provision of on-site water supply for maintenance of external areas may avoid need for bowser.		Landscape Contractor - All machine operatives shall be fully trained and certified.

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10	Use of adjacent footpaths by pedestrians	Conflict with traffic at site entrances. Planting adjacent to pedestrian footpaths and access drive.	Members of public	LOW	MED	Appropriate maintenance heights for adjacent site entrance vegetation shall be maintained to avoid sight visibility lines.		End user to ensure implementation of landscape management/ maintenance proposals.
11	Tree planting operations	Extra Heavy Standard trees (EHS) requires lifting machinery.	Construction staff	MED	MED	Acknowledgement of risk.		Landscape Contractor - All machine operatives shall be fully trained in heavy lifting and certified.
12	Tree planting & support	Underground anchor system proposed requires use of tensioned wires – Medium risk to implementation and decommissioning contractor, if they are unaware of the hazard.	Construction and maintenance staff/ End User	MED	MED	Acknowledgement of risk.		Landscape Contractor - All operatives shall be fully trained and certified.
13	Soft landscaping – choice of plant material	Toxic plant material: Yew hedges	Client / End user.	LOW	MED/ HIGH	The design of the planting to be designed carefully not to use potentially poisonous plants where possible near children and or vulnerable people. A design responsibility but the landscape contractor should also be aware. Client to inform end user that existing and new yew hedges are planted within the gardens.	Bradford Smith Ltd / Landscape Contractor	Landscape Contractor/ Client

NOTE: This Designers Risk Assessment shall be read in conjunction with other project consultants DRA's.

Likelihood of risk happening: Low 1 – High 5. Impact of risk: Low 1 – High 5 High 5.