

Designers Risk Assessment

Project: Summersales Contemplation Building and associated hard and soft landscaping and services connection/ integration into existing site.

Document Ref: CDS-DRA-Crowborough-2020 rev 2

Date: 22nd December 2020

Project Summary

The project work comprises the Construction of a new Contemplation Building and external works, principally contained within the existing roundabout/ turning circle on site.

Designer's Risk Assessments

Designer: Anthony Milne	Project: Crowborough Contemplation Building
Job No: CDS-Crowborough-2020	Date 24.11.2020

Ref No	Activity / Element	Potential Hazard	Population At Risk	Risk Rating			Action at Design Stage	Action Taken		Possible Control Options (Contractors)
				L	S	R		By	Date	

1.0 Site wide

1.1	Deliveries to site	Site access/egress and potential damage to vehicles and harm to pedestrians	Public Contractor	H	M	H	Clear, safe, separate routes for vehicles and pedestrians to be established and clearly marked. Secure contractors' compound to be established with separate public access route to the cemetery established where possible. Works to be phased to limit risk.	Contractor	TBC	All deliveries and large vehicles to arrive via agreed access points during an agreed timescale. A Banksman must be available to assist deliveries. No vehicles should wait on the road. Deliveries should avoid peak road use times and MUST avoid funerals (30 mins before, during and 30 mins after).
1.2	Trespass by members of the public	Unauthorised access onto site.	Public	L	H	M	Work zones clearly identified on Drawings	Contractor	TBC	Security to site to be maintained with suitable fencing and hoarding with lockable gates. Security measures to be maintained both during the working day and overnight / weekends. Works notice and warning signs to be clearly displayed on fencing and site entrance.
1.3	Movement of Topsoil, subsoil and spoil	Contact with moving vehicle/ plant	Public Contractor	M	M	M	Adequate space must be allowed for to enable the manoeuvring of vehicles safely on site. Location of spoil disposal area shall avoid busy routes. Working areas shall be secured where possible. The site works should be planned to work out of the site towards the access road.	Contractor	TBC	Movement of vehicles off site to be controlled with banksmen. Site compound to have designated pedestrian routes. No mobile phone use outside compound to avoid distraction. Haul routes to be fenced entirely or at intersections with paths with crossing system included.

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1.4	General operations on site	Fire or other emergency	Public Contractor	L	M	M	Fire escape strategy to be developed by Contractor	Contractor	TBC	Contractor to identify escape routes to safe areas and establish muster points for each section of the works. H&S notices to be provided on site to advertise fire strategy, congregation points and location of nearest hospital A&E.
1.5	Demolitions and general excavations	Below ground services	General public Contractor	L	H	H	Some services may be present	Contractor	TBC	Check with CA and carry out own search. Use Cable Avoidance Tool ahead of excavations.
1.6	Infections or risks from handling soil	Infections via skin contact Lung or respiratory disease	Contractor Contractor	H M	M M	M M	Ensure risk assessments include appropriate PPA for site workers. Minimise soil movements.	Contractor	TBC	Ensure suitable PPE is issued to site staff and used by site staff including gloves and dust masks as required.
1.7	Weill's Disease and other water related infections	Infection from dirty water	Contractor	H	H	M	Minimise working in established water courses or drains	Contractor	TBC	Ensure suitable PPE is issued to site staff and used by site staff including gloves and ensure strict personal hygiene for site workers including hand washing.
1.9	Covid 19	Infection from co-workers and site visitors / users	Contractor Public	M	M	M	Minimise interaction with public or others outside workers bubble.	Contractor	TBC	Follow best practice and government advice, using appropriate PPE and maintaining social distancing as far as possible.

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2.0 Working space / working platforms

2.1	Kerbs and surfacing works	Manual handling/musculoskeletal injuries	Contractor	M	M	M	Space allowed for mechanical handling in locations where required.	Contract or	TBC	Method statement required for movement of bulk materials.
2.2	Inspection chambers	Manual handling Entrapment	Contractor	M	M	M	Depths of chambers to over 3.5m. Pit sides will need securing, access by trained and certified staff only. Number of deep drains and chambers limited to minimum possible.	Contract or	TBC	Risk assessment and method statement required. Only staff certified to work in confined spaces to enter chambers or excavations. No lone working or entry to deep excavations.

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3.0 Materials / substances / components

3.1	Manual handling of materials	Manual handling/ musculoskeletal injuries	Contractor	H	L	M	Materials as far as possible have been specified that are within acceptable safe limits for manual handling. No handling of materials over 20 kg without assistance or mechanised equipment.	Contractor	TBC	Contractor to allow for requirements for specialist lifting / handling equipment. 2 no. operative required for manual handling of materials in excess of 20kg.
3.2	Dust	Skin / lung diseases	Contractor	M	M	M	Likely to be an issue when stripping topsoil, grading subsoil and returning topsoil, during cultivations and drainage works.	Contractor	TBC	Ensure enforcement of PPE. Ensure use of dust masks when appropriate. Wet soil or materials down if needed to control dust.
3.3	Hot Macadam	Skin burns	Contractor	M	H	H	Areas requiring Macadam minimised as far as possible.	Contractor	TBC	Ensure enforcement of PPE. Risk assessment and method statement required.
3.4	Wet mortar/concrete	Skin injury / diseases	Contractor	M	M	M	Concrete used for haunching, foundation slabs and effecting water-tight seals.	Contractor	TBC	Ensure enforcement of task-appropriate PPE. Risk assessment and method statement required.

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4.0 Earthworks and drains

4.1	Initial soil cultivation and grading works	Ground contamination	Contractor	L	L	L	None	Contractor	TBC	If any contaminated or suspected contaminated land found inform CA and Client immediately.
4.2	Excavations for trenches	Instability of earth	General public Contractor	L	M	M	Generally simultaneous back-filling. Use of simultaneous trenching and backfill specified.	Contractor	TBC	Minimal risk due to simultaneous backfilling but any trenches left open must be securely covered. Method statement and risk assessment required.
4.3	Excavations for trenches	Flooding/ ground water	Contractor	L	L	L	Generally simultaneous backfilling and pipe laying. Works to be phased to begin at outfall and to gradually de-water the site as new drains and chambers are added. Effective working pumped outfall must be established before drainage works begin.	Contractor	TBC	Begin outfall and work up system.
4.4	Exportation of soil arisings	Vehicle movement hazards	Contractors Public	H	H	H	Clear walkways and pedestrian route ways to be designated before works starts. Timing of works for movements within park to avoid school drop-off and pick up where possible.	Contractor	TBC	Designated walkways to be marked out on site under supervision from PM. Clear access routes through site to be maintained.

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4.6	Provision of electricity supply.	Electrocution	Contractors	M	H	H	Utility supplier identified in specifications.	Contractor	TBC	All connections must be made by fully qualified and certified electrician in accord with pre-agreed method statement and risk assessment. All appropriate PPE must be worn. Includes connection to Utility Company supply take off point, connection to meter, connection to pump.
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