

Title: Designers Hazard Checklist

Mandatory
Generic
Guidance
Contract Specific

Designer's Hazard Checklist

Project Title: S278 Asda Breck Road

Job No.: 00205011

Prepared By: DD

Reviewed By: RA

Notes:

1. An individual item or a whole section (by ticking the heading) can be noted as not applicable.
2. The list of potential hazards is not exhaustive, and all sections can be added to, or additional sections added, as required. This is a living document and should be updated as design proceeds.
3. All items considered by the designer as having a potential high risk must be addressed on the Hazard Management Schedule. Low risk activities can also be included if considered appropriate.

Potential hazards arising from:		Tick if NOT Applicable	Comments / Additional information	Risk (without designer's control measures)	
Ref:				Low	High – Action NEEDED
1.	Existing Environment				
1.1	Existing buildings		Safe access to all premises to be maintained at all times. Contractor to consult with adjacent premises affected by the works.	X	
1.2	Previous/existing land/ structures	X			
1.3	Roadways		PPE to be worn and Traffic Management to Chapter 8 and to be approved by NCT. Method statement required. Risk to be managed by competent contractor during construction phase.		X
1.4	Railways	X			
1.5	Water course	X			
1.6	Ground conditions:				
	Contamination		Care to be taken to avoid contamination	X	
	Ground water		All excavations to be kept free of groundwater.	X	
	Instability		Excavations to receive adequate support and bracing.	X	
	Mineral / mine workings	X			
1.7	Access restrictions		As Ref 1.1.		X
1.8	Adjacent properties		As Ref 1.1.		X
1.9	Concurrent site activities		Risk to be managed accordingly and reduced through LCC NCT programming process. Method statement required to deal with un-expected		X

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Ref:				Low	High – Action NEEDED
			conflicting works. Ensure proper liaison with building contractor		
1.10	Interface with the public		Appendix 1/17 within the Works Specification states the requirement for a suitable barrier system to prevent public access to working areas.		X
1.11	Occupied premises			X	
1.12	Structural instability	X			
1.13	Fragile materials	X			
1.14	Hazardous materials		Contractor to undertake COSHH assessments. Method statement required.	X	
1.15	Land use		Proposed works are on both adopted and proposed to be adopted highway land.	X	
1.16	Traffic		Traffic of both vehicles and pedestrians will be encountered throughout the duration of the works. Refer to Appendix 1/13 for Schedule of Constraints.		X
1.17	Asbestos	X			
1.18	Other (insert as necessary)				
2.	Existing Services				
2.1	Underground				
	Electrical		Investigations into the extents of existing underground services and nature of any required diversions are currently ongoing. Therefore, the contractor is to assume existing services are affected until informed otherwise. Contractor to employ suitable detection methods i.e. CAT Scanner to determine presence of services, prior to any excavation works being undertaken.		X
	Gas				X
	Water				X
	Telecommunications				X
	Others (insert as necessary)				
2.2	Overhead Services				
	Electrical				
	Telecommunications				

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Ref:				Low	High – Action NEEDED
	Others (insert as necessary)				
3.	Buildability / Construction Process				
3.1	Significant items of temporary works	X			
3.2	Non-standard traffic management layouts	X			
3.3	Others (insert as necessary)	X			
4.	Maintenance and Operation				
4.1	Access including Guard rails	X			
4.2	Lighting	X			
4.3	Manual Handling	X			
4.4	Safety equipment	X			
4.5	Testing / inspection	X			
4.6	Procedure	X			
4.7	Contamination during usage of demolition material.	X			
4.8	Others (insert as necessary)	X			
5.	Earthworks				
5.1	Deep excavations	X			
5.2	Slope / ground stability	X			
5.3	Ground water / water courses	X			
5.4	Plant movements		Only authorised persons to operate plant and banks men to be used where necessary. Machinery/vehicles to be located in a safe area as not to create a hazard to visibility.	X	
5.5	Interface with services (refer 2)		Refer to Hazard Management Schedule.		X
5.6	Contamination (ground / water) (refer 1.6)			X	
5.7	Adjacent structures (refer 1.8)			X	
5.8	Others (insert as necessary)	X			

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Ref:				Low	High – Action NEEDED
6.	Foundations				
6.1	Adjacent buildings/structures	X			
6.2	Deep excavations	X			
6.3	Plant movements	X			
6.4	Interface with services	X			
6.5	Contamination (ground / water)	X			
6.6	Ground water	X			
6.7	Confined spaces	X			
6.8	Piling:	X			
	Noise				
	Vibration				
	Piling (continued):	X			
	Contamination				
	Plant				
6.9	Grouting:	X			
	Drilling work				
	Dust				
	Pollution				
6.10	Stability of structure	X			
6.11	Others (insert as necessary)	X			
7.	Services Installation				
7.1	Excavations	X			
7.2	Ground water	X			
7.3	Ground conditions	X			
7.4	Existing services	X			
7.5	Testing operations	X			
7.6	Lifting operations	X			
7.7	Adjacent structures / activities	X			
7.8	Maintenance	X			
7.9	Contamination	X			

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7.10	Others (insert as necessary)	X			
8.	Drainage Works				
8.1	Excavations		All deep excavations are to be supported by the appropriate bracing. A method of working is to be provided by the Principal Contractor. Risk to be managed by Competent Contractor during Construction Phase.		X
8.2	Ground water		All excavations are to be kept free from groundwater. Risk to be managed by Competent Contractor during Construction Phase.	X	
8.3	Ground conditions			X	
8.4	Confined spaces			X	
8.5	Leptospirosis / Weils disease		All operatives are to be given induction including awareness of Leptospirosis risk. Risk to be managed by Competent Contractor during Construction Phase.		X
8.6	Existing services			X	
8.7	Manual handling		Safe handling practices to be followed. All operatives to be given induction including risk of lifting. Contractor to supply method statement for manual handling. Risk to be managed by Competent Contractor during Construction Phase.		X
8.8	Lifting operations		As Ref 5.6.		X
8.9	Maintenance			X	
8.10	Sewage			X	
8.11	Traffic		As Ref 1.16.		X
8.12	Contamination (ground / water)			X	
8.13	Hepatitis B / Tetanus		All operatives are to be given induction including awareness of Hepatitis and Tetanus risks. Risk to be managed by Competent Contractor during Construction Phase.		X

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Ref:				Low	High – Action NEEDED
8.14	Others (insert as necessary)				
9.	Highways				
9.1	Traffic management		As Ref 1.3.		X
9.2	Adjacent traffic and pedestrians		Risk Assessments for working in and adjacent to the highway to be in accordance with Health and Safety Plan Information Pack. Risk to be managed by Contractor during the works.		X
9.3	Construction materials		Contractor to undertake COSHH assessments. Method statement required relating to Base Seal Products. Unused materials to be removed to store offsite.		X
9.4	Structural works	X			
9.5	Adjacent structures			X	
9.6	Noise		Ref Appendix 1/9		X
9.7	Vibration		Ref Appendix 1/9		X
9.8	Night work	X			
9.9	Dust		PPE to be worn, damping down techniques to be adopted and dust suppression techniques to be employed for cutting of pre-cast units etc.		X
9.10	Manual Handling		Safe handling practices to be followed. All operatives to be given induction into risk of lifting. Contractor to supply method statement for manual handling and associated risk is to be managed accordingly.		X
10.	Steelwork Construction				
10.1	Working at height	X			
10.2	Lifting operations	X			
10.3	Temporary stability	X			

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Ref:				Low	High – Action NEEDED
10.4	Connections	X			
10.5	Unusual sequence	X			
10.6	Materials, eg paints	X			
10.7	Consideration of future maintenance	X			
10.8	Others (insert as necessary)	X			
11.	Concrete Construction				
11.1	Working at height	X			
11.2	Plant restrictions	X			
11.3	Lifting operations	X			
11.4	Noise	X			
11.5	Vibration	X			
11.6	Temporary instability	X			
11.7	Pre/post tensioning	X			
11.8	Materials	X			
11.9	Maintenance	X			
11.10	Joints (scabbling should not be undertaken)	X			
11.11	Others (insert as necessary)	X			
12.	Masonry Construction				
12.1	Manual handling	X			
12.2	Lifting operations	X			
12.3	Materials	X			
12.4	Temporary stability	X			
12.5	Working at height	X			
12.6	Dust	X			
12.7	Durability	X			
12.8	Catastrophic collapse	X			
12.9	Others (insert as necessary)	X			
13.	Mechanical/Electrical Systems				

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Ref:				Low	High – Action NEEDED
13.1	Access	X			
13.2	Existing services	X			
13.3	Manual handling	X			
13.4	Materials / substances	X			
13.5	Confined spaces	X			
13.6	Pressure systems	X			
13.7	Testing operations	X			
13.8	Fixings	X			
13.9	Working at height	X			
13.10	Maintenance	X			
13.11	Others (insert as necessary)	X			
14.	Railway Activities				
14.1	Train movements	X			
14.2	Overhead lines	X			
14.3	Electrified track	X			
14.4	Underground services	X			
14.5	Adjacent structures	X			
14.6	Ground stability	X			
14.7	Contamination	X			
14.8	Others (insert as necessary)	X			
15.	Demolition of Existing Structures				
15.1	Services	X			
15.2	Adjacent / adjoining structures	X			
15.3	Materials:	X			
	Hazardous i.e. asbestos	X			
	Fragile	X			
15.4	Working at height	X			
15.5	Temporary stability	X			
15.6	Pre/post tensioning	X			
15.7	Noise	X			

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Ref:				Low	High – Action NEEDED
15.8	Vibration	X			
15.9	Dust	X			
15.10	Effect on usage of demolition materials	X			
15.11	Others (insert as necessary)	X			
16.	Future Demolition / decommissioning of new structure/installation				
16.1	Unusual sequence	X			
16.2	Pre/post tensioned element	X			
16.3	Materials	X			
16.4	Adjacent/adjoining structure	X			
16.5	Temporary stability	X			
16.6	Contamination during usage of demolition material.	X			
16.7	Others (insert as necessary)	X			
		X			