

INFRASTRUCTURE DESIGN RISK ASSESSMENT

Project : Camp Road, Upper Heyford- Phase 2-6

Project No : 16871

Date : June 2016

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CATEGORY	COMMENT	PERSONNEL AFFECTED C = Contractor P = General Public	DESIGN RESPONSE	RISK
<p>Standard construction hazards that a competent contractor would be aware of, have not been included. Examples: Manual handling, working in and around excavations, working with cement based materials, following manufacturer's installation guidelines, COSHH and PPE etc. Contractors must work on site in accordance with all statutory health and safety legislation as well as any Developer site specific health and safety policy and are assumed to have in place safe systems of work and method statements for the tasks they perform. The risks identified below are only those that may not be immediately apparent:</p>				
Live services (overhead or below ground level)	The presence of existing underground services within the development in expected.	C - At construction stage.	Services to be located prior to work commencing. Services clearly identified on site and operatives made aware of their locations. Landscape services trace and existing service plans available for Camp Rd	HIGH
Pedestrian routes	There are existing pedestrian routes affected by the Soden Road (phase 2) and Bus Route (phase 4) works	P - At construction stage.	Sign and cordon off with appropriate barriers. Any diversions affecting the pedestrian routes must be in place at the commencement of works.	LOW
Works to existing trees	There are existing trees to be removed/ cut back within the development.	C - At construction stage.	Any felling or cutting back is to be carried out in accordance with a method statement which is to be produced by the contractor prior to works commencing. It is noted that a number of trees have TPOs associated with them.	MEDIUM
Live highways - Location of survey control stations	There are a number of survey stations located in close proximity to the live highways.	C - At construction stage.	Establish controls in protected/ safe locations but until that is possible Operatives must wear reflective clothing and appropriate signage and safety barriers erected.	MEDIUM
Underground oil tanks	Oil tanks removed by Urban Regen prior to redevelopment	C - At construction stage.	If any oil tanks are encountered, report to site manager and Urban Regen immediately.	LOW

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Live highways - kerb tie-ins, resurfacing and associated works	The formation of new junctions/ footpaths, resurfacing and widening involves works in and adjacent to the existing highway leading to conflict with vehicular traffic.	C - At construction stage.	Works are to be signed and protected by safety barriers in accordance with Chapter 8 of the Road and Traffic Signs Manual, and the Contractors Method Statement. All operatives are to wear reflective clothing.	MEDIUM
Heavy lifting – kerbs	Highway works require installation of precast concrete products.	C - At construction stage.	The contractor is to produce a method statement to define the procedures to be adopted for the lifting of these kinds of items and in the case of manual handling the maximum size of any pre-cast units to be utilised.	LOW
Slope stability/ deep excavations	Risk of collapse. Working at depth (notably for the construction of deep manholes)	C - At construction stage.	Any slopes (temporary or permanent) are to be battered to ensure that they do not exceed the soils natural angle of repose.	MEDIUM
Work on live sewers	Areas of the development are to remain live during construction. Proposed SWS and FWS diversion and connections to live sewers are to be carried out within this phase. Some manholes are greater than 3m deep.	C - At construction stage.	Method statement required. Existing flows to be accommodated and allowance for exceptional flows e.g. flash storm. Increased risk of gas/fumes from foul sewers.	MEDIUM
Encountering buried ammunition/ explosives	The site is a former military installation and training facility.	C - At construction stage.	Method statement required. Details of the on call/ site present munitions expert to be readily available on site.	HIGH

DesignerAnthony Tew..... CheckedJohn Freeman..... CDM Co-ordinator

Date14th June 2016..... Date14th June 2016..... Date