

**Kier Highways Project No: 1040302****Client Reference No: 570124L****A40 Hinders Lane EB MP181.7 Culvert****Topographical/ Vegetation and Drainage Survey****Pre-Construction Information**

	Yes	No
Is the Scheme notifiable under the CDM Regulations 2015?		
1. Last longer than 30 working days and have more than 20 workers simultaneously at any point in the project;		x
2. Exceed 500 person days		x

<b>Project type as categorised by GG104</b>	<b>N/A</b>
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This document has been produced in accordance with the recommendations and requirements of the Construction (Design and Management) Regulations 2015.

	Name	Signed	Date
Prepared by: Designer			
Reviewed by; Design Team Lead			
Accepted by: Scheme PD			


'Reviewed by' & 'Accepted by' can be the same person for GG104 type A projects (where the Design Team Lead is the Scheme PD)



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Site Specific Hazards Identified in Design		
<p><b><i>ONLY include significant and unusual hazards that a competent contractor would need to know, could not reasonably foresee, or are likely to be difficult to manage effectively.</i></b></p> <p><b>Note – Consideration to be given to all ‘populations’ affected, Workers, Users, Other Parties.</b></p>		
Activity	Residual Hazard	Comments
Steep ground working – topographical survey and vegetation clearance	Injury from slips, trips and falls associated with working close to a steep gradient or incline.	Before commencing works, visually check working area for steep gradients and inclines. Extreme care to be taken on steeply sloping ground. Wear suitable stout/strong walking boots with ankle support and well threaded soles. If working at the base of a steep gradient or incline, visually check ground stability. Do not work in areas immediately below unstable steep slopes.
Confined Spaces	Exposure to flammable substance, Excessive heat, Toxic gas, solid material which can glow and oxygen deficiency.	Confined spaces training and permit to be issued to the personnel by the contractor before entering any confined spaces.
Drainage survey works.	Contact with highway drainage during surveys will have potential risk of Leptospirosis disease.	The Contractor is to ensure sufficient welfare facilities are in place at all times. All appropriate PPE must be worn at all times.
Working near open water	Potential for drowning if fall into open water body when working near ponds or ditches with water present.	Avoid working near water where possible. Do not lone work near deep/unknown standing water bodies where possible. Do not work near water in extreme weather including rain for the possibility of ground subsidence or flash floods. Ensure correct lifesaving equipment is available and everybody knows how to use it.

1 Project Description	
<b>Scope of Works</b>	
<p>The Scheme is located on the A40 eastbound next to an old reservoir to the west of Huntley village near Hinders lane at MP181.7.</p> <p>The proposal is;</p> <ul style="list-style-type: none"> <li>To carry out vegetation clearance as per the drawings; HE570124L-KIER-HDG-A40_MP181.7-DR-CD-0000_02</li> <li>To carry out a topographical survey as per drawings; HE570124L-KIER-HDG-A40_MP181.7-DR-CD-0000_01</li> <li>To carry out a Principal Inspection of Hinders Lane Culvert which carries the A40 over an unnamed watercourse between Dursely Cross and Huntley at MP181.7</li> </ul>	
<b>Location</b>	
<p>The Scheme is located on the A40 eastbound next to an old reservoir to the west of Huntley village near Hinders lane at MP181.7</p> <p>See Location Plan listed in HE570124L-KIER-HDG-A40_MP181.7-DR-CD-0000_01</p>	
Site Address	A40 eastbound carriageway to the reservoir near hinders lanes, Huntley. and link road (nearest address - A40, Huntley, Forest of Dean, Gloucestershire, South West England, GL17 0NG).
<b>Site Photographs</b>	
	
Temporary safety fence due to void. To be removed and reinstate after completion of survey	



1 Project Description					
					
Reservoir					
OSGR, MP	From	OSGR: E: 370810, N: 219628 MP: 181.7		To	OSGR: E: 370810, N: 219628 MP: 181.7
Str Key / Name	Str Key	Structure Name			
Culvert for Ley Brook tributary					
Traffic Management					
<b>Traffic Flows:</b> Eastbound: N/A Westbound: N/A  <b>Speed Limits:</b> Existing speed 40mph <b>Cycle / bus Routes:</b> None <b>Traffic Management:</b> It is anticipated that two-way lights will be required as part of the traffic management. TM requirements are to be confirmed by the contractor. <b>Recovery Vehicles:</b> Not anticipated					
Anticipated Working Hours, subject to Traffic Counts				19:30 – 06:00	
Mobilisation Period					
Mobilisation Period	4 weeks	Anticipated Start Date	TBC	Anticipated End Date	TBC



3. Scheme Specific Requirements			
	Yes	No	Comments
A pre-start meeting will be mandatory			
Does an H&S file exist?		✓	No H&S file has been made available by the client.
Site Welfare	✓		Site Welfare will be provided by the Principle contractor.
Security / Segregation	✓		Chapter 8 TM to demark site during survey.
Are there any other projects taking place in the vicinity?	✓		All vehicles within traffic management will need to be Chapter 8 complaint.
Are there any restrictions on vehicle movements?		✓	There are no restrictions on deliveries, waste collection or storage.
Are there any restrictions on deliveries, waste collection, or storage?	✓		<ul style="list-style-type: none"> <li>All vehicles and plant within the works area shall be parked in a safe area clear of access and egress points.</li> <li>All vehicles and plant shall be removed from the carriageway prior to removal of traffic management.</li> </ul> No private vehicles are allowed on site.
Are there any parking restrictions?	✓		<ul style="list-style-type: none"> <li>Overhead telecoms cables are present within the works area.</li> </ul> There is a private layby that may be used, Highway England to request access.
Height Restrictions	✓		Overhead telecoms cables are present within the works area.
Overhead Cables	✓		<ul style="list-style-type: none"> <li>LV over ground electric cable is present on the westbound of the A40</li> <li>Overhead telecoms cables are present within the works area.</li> </ul>
Structures	✓		Culvert and spillway within scheme extent.
Will fire precautions be required?	✓		Suitable fire precautions shall be in place and in accordance with the Contractors hot works permit.
Are emergency procedures and means of escape required?	✓		<ul style="list-style-type: none"> <li>The Contractor shall ensure that emergency procedure plans are in place, all staff has been inducted, and access for emergency vehicles to be maintained at all times.</li> <li>The nearest A&amp;E hospital is Gloucestershire Royal Hospital, Great Western Road, Gloucester GL1 3NN. The A&amp;E is open 24 hours.</li> </ul>
Are there any areas in or around the site classified as no-go areas?	✓		<ul style="list-style-type: none"> <li>No site personnel shall enter the safety zone or tapers within the extents of the traffic management unless trained and competent for installation/removal/maintenance of TM.</li> <li>Provision of minimum 20m Pedestrian Worker Exclusion zone, behind and in front of Operating Road Sweeper to be in place.</li> <li>Sub-Contractor's Method Statements and Risk Statements shall contain suitable risk control to protect pedestrian workers and plant operators.</li> </ul>

3. Scheme Specific Requirements			
	Yes	No	Comments
Are there any noise restrictions?		✓	N/A
Are temporary works required?		✓	None
Are there any vibration restrictions?	✓		The Contractor shall comply with BS 6427:2008 Evaluations of human Exposure to Vibration in Buildings (1Hz-80Hz). Any vibration monitoring carried out shall also be in compliance with BS 6427: 2008.
Are there any poor or hazardous ground conditions	✓		Carrying out works on cutting slope. Void within extent of survey and steep embankment, appropriate PPE and trained operative to carry out surveys.  Before commencing works, visually check working area for steep gradients and inclines. Extreme care to be taken on steeply sloping ground. Wear suitable stout/strong walking boots with ankle support and well threaded soles. If working at the base of a steep gradient or incline, visually check ground stability. Do not work in areas immediately below unstable steep slopes. Vegetation shall be clearance before topographical survey is carried out
Are there any unstable structures?	✓		Reservoir spill way and access to the culvert due to slop erosion. Culvert is an old stone culvert, therefore there could be loss stones. Trained operative to access only
Are there any areas classed (existing or designed) classed as confined spaces?	✓		Confined trained operatives to conduct culvert survey
Are there any smoking restrictions?	✓		<ul style="list-style-type: none"> <li>No smoking is allowed on site.</li> </ul> Designated smoking area to be confirmed during site inductions.
Any environmental constraints identified?		✓	No known environmental constraints

## Materials and Substances with Health and/or Safety Hazards

### Covid-19 pandemic

The Contractor is to ensure they are protecting their workforce and minimising the risk of spread of infection. They must comply with the latest Government advice on working safely during coronavirus covid-19 which is currently available at <https://www.gov.uk/guidance/working-safely-during-coronavirus-covid-19/construction-and-other-outdoor-work>. Further guidance is given in the Construction Leadership Council's "Construction Sector – Site Operating Procedures". The latest version may be found at <http://cic.org.uk/important-documents.php>

The health and safety requirements of any construction activity must not be compromised. If an activity cannot be undertaken in line with social distancing being implemented, or by exception, safely, without risk and mitigating measures then it shall not take place.

### Asbestos

If Asbestos Containing Materials are suspected, they are not to be disturbed. Under no circumstances will the Contractor attempt to remove any Asbestos Containing Materials without prior consent from Highways England.

### Lead

Scope of Works are unlikely to encounter lead.

### Tar based pavement/surfacing

N/A

### Leptospirosis/Weil's disease / Psittacosis

Contact with the water course or culvert survey will have potential risk of Weil's disease. The Contractor is to ensure sufficient welfare facilities are in place at all times. All appropriate PPE must always be worn. Any instances of illness / sickness on site should be reported to the Site Manager/Principal Contractor Representative immediately and the persons affected should seek medical advice.



4. Existing Services Refer to STATS plans listed in TOPO1250_A40-003-03495				
Statutory Undertaker	Not Present	Over head	Under ground	Comments
<b>Electricity</b>				
400/132kV [pylons]	x			
66kV	x			
33kV	x			
11kV		x		LV over ground cable is present westbound of the culvert. Refer to Statutory Undertakers Plans for more details.
240/415Volts	x			
<b>Water (Foul and Potable)</b>				
Public Foul	x			
Pressurised Foul	x			
Public Combined Gravity			x	
Pressurised Combined	x			
Culverted Watercourse			x	Underground Public Combined and Treated, Water Main, Highway Drain and Communication pipes are present within the scheme extents. Refer to Statutory Undertakers Plans for more details.
Water Main			x	
Aqueduct	x			
<b>Communications</b>				
Communications				See Highways Authority below.
<b>British Telecom</b>				
British Telecom		x	x	Underground and over ground BT cables are present within the scheme extents. Refer to Statutory Undertakers Plans for more details.
<b>National Grid</b>				
National Grid	x			National Grid mains are not present within the scheme extent.
<b>Transco</b>				
LP Mains	x			Low- and high-pressure gas mains are not present within the scheme extent. Refer to Statutory Undertakers Plans for more details.
MP Mains	x			
IP Mains	x			
LHP Mains	x			
NHP Mains	x			
<b>Government Pipelines</b>				
Government Pipelines	x			Government pipelines are not present within the scheme extent.
<b>Fisher German Pipelines</b>				
Fisher German Pipelines	x			Fisher German pipelines are not present within the scheme extent.
<b>Energis</b>				
Energis	x			Energis plant are not present within the scheme extent.
<b>Motorway Communication</b>				
Motorway Comms	x			

<b>4. Existing Services</b>		Refer to STATS plans listed in TOPO1250_A40-003-03495		
<b>Street Lighting</b>				
Street lighting	x			Highway lighting is not present within the scheme extent. Refer to Statutory Undertakers Plans for more details.
<b>Highway Drainage</b>				
Culvert			x	Highway pipework and culvert is present within the scheme extent.
Pipework			x	
Outfall			x	
<b>Other</b>				

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**5. Health and Safety file requirements**

All information will be produced in an electronic format. The format of the electronic data issued is to be as follows: All documents and product data sheets are to be in PDF format, drawings are to be in PDF and AutoCAD DWG format.

The Principal Contractor shall collate all appropriate information as it becomes available, and this shall subsequently be collated in the File. The Principal Contractor is to implement an early procedure that advises contractors and materials suppliers of the detailed requirements for this record information. The health and safety file will be created and/or updated in accordance with the requirements of the IAN105/08.

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Reference	Rev	Title
HE570124L-KIER-HDG-A40_MP181.7-DR-CD-0000_01	C 1	Location Plan
HE570124L-KIER-VTO-A40_MP181.7-DR-CD-0100_01	C 1	Topo Location Plan
HE570124L-KIER-ELS-A40_MP181.7-DR-CD-0100_02_Veg Clear	C 1	Vegetation location plan
HE570124L-KIER-SMN-A40_MP181.7-DR-S-0001	C 1	Extent of Principal Inspection

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**Appendix B - Construction Drawings**

N/A

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**Appendix C – Existing Records and As-Built Drawings**

Reference	Rev	Title
1053-Hinders Lane-R-01	A	Principal inspection Report Hinders Lane Culvert, A40

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[REDACTED] Team	Date: October 2019	Version: 1.0
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**Appendix D - Statutory Undertaker Drawings**

See Document Issue Sheet for list of statutory undertaker drawings, alternately list below.

Reference	Rev	Title	Company
TOPO1250_ A40-003- 03495		C2 STATS Service Locations	Various

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**Appendix E – Overhead cables**

LV cables are present within the scheme extents. The over ground cables have been identified on the STATS, however information regarding safe working heights in accordance with GS6 has not been indicated. Prior to the commencement of works on site, over ground Power line locations and heights to be confirmed and recorded by way of signature and date by a trained and competent person.

**Appendix F - List of Structures**

Structure	Type	Location Ref	Str key	OSGR
A40 Culvert	Culvert	/A40//181.7 //	N/S	370818,219628
Spill way	Spill way	/A40//181.7 //	N/S	370818,219628

**Appendix G - Asbestos Action Plans**

N/A