

pt

Kier Highways Project No:**Client Reference No:*****A46 Sixhills Slope and Drainage Renewal*****Pre-Construction Information**

Red text is a suggested starting point. To be extended, edited or amended as required. Final text to be black.

	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

Project type as categorised by GG104	A
* If applicable GG104 will determine the Kier Highways minimum Scheme Principal Designer (Scheme PD) level. Refer to SHEMS-FOR-HIG-S-055 for GG104 type categorisation and minimum Scheme PD level. Type A projects the Design Team Lead, Type B projects the Senior Manager, Type C projects the Service Director.	

This document has been produced in accordance with the recommendations and requirements of the Construction (Design and Management) Regulations 2015.

	Name	Signed	Date

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

For High Risk Schemes this must be reviewed by Lead Principal Designer



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Author: Brendan McNicholas	Date: October 2019	Version: ECM
As part of our system review, this document is valid until Oct 19		



Site Specific Hazards Identified in Design		
<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> Note – Consideration to be given to all ‘populations’ affected, Workers, Users, Other Parties.		
Activity	Residual Hazard	Comments
Topographical Survey - around watercourse	Drowning	Survey required along stream. No lone working, survey to be done remotely if possible to eliminate need to enter watercourse.
Topographical Survey - on unstable embankments	Slips/ trips and falls	Uneven ground is present on earthworks. Task lighting to be provided so hazards can be identified. Appropriate footwear to be worn
Vegetation clearance	Risk of protected species on site	Ecological clerk of works present
Plant movements	Risk of people plant interface with workers and general public	Traffic management to be in place.

1 Project Description

Scope of Works

The site activities consist of vegetation clearance to allow for investigations and surveys to be obtained. A ground investigation, topographic survey and drainage survey will be carried out under TM once vegetation has been cleared. It is required that the ground investigation, topo and drainage teams coordinate between one another to ensure that all areas of the site can be accessed whilst ground investigations are carried out.

See Scheme Drawings listed in current Document Issue Sheet

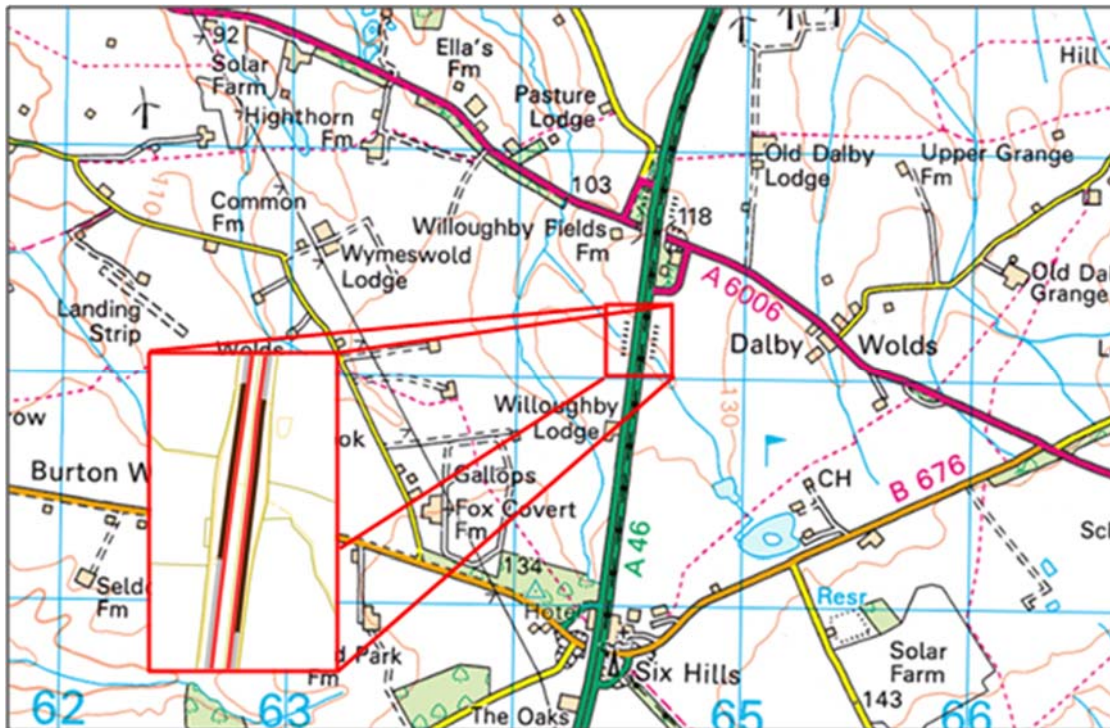
Location

The site is situated on two embankments, on opposite sides of the A46 carriageway, just north of Sixhills, Leicestershire.

Defective earthworks are identified on the Highways England Geotechnical Data Management System with the following earthwork ID's; 21538, 21560. The earthworks are situated on opposite sides of the carriageway to one another.

The major defects on both earthwork are situated in close proximity to a culvert that is thought to be a major factor in the defects development due to the constant flow of water being carried by the culvert. The location of the defective site is shown in Figure 1..

Figure 1: A46 Sixhills Site Location



Site Address A46, Sixhills.

Site Photographs



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1 Project Description

NB Defects



NB Defects



1 Project Description

NB Defects



SB Defects



1 Project Description

NB On-slip



NB On-slip

OSGR	From	Start NGR: 464537, 322031	To	End NGR: 464553, 322202
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Str Key / Name	Str Key	Structure Name
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No Structures are recorded on HAGDMS that pertain to the scheme but a culvert exists connecting a stream from the southbound earthwork to the northbound earthwork.

Traffic Management

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1 Project Description					
Traffic Management will be lane one closure.					
Anticipated Working Hours, subject to Traffic Counts				7pm - 5am	
Mobilisation Period	2 weeks	Anticipated Start Date	TBC	Anticipated End Date	TBC

2 Scheme Management and Contact Details		
[Redacted]		
	[Redacted]	[Redacted]
	[Redacted]	[Redacted]
	[Redacted]	[Redacted]
	[Redacted]	[Redacted]
[Redacted]		
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	[Redacted]	[Redacted]
	[Redacted]	[Redacted]

3. Scheme Specific Requirements			
	Yes	No	Comments
A pre-start meeting will be mandatory			
Does an H&S file exist?		X	No Health & Safety file but there is as built drawings are available to confirm the existing verge make-up.
Site Welfare	X		It is anticipated that a mobile welfare van will be present on site for the duration of the works.
Security / Segregation	X		Landowners to be made aware of topographical survey along water course. No footpath or public access anticipated.
Are there any restrictions on vehicle movements?	X		All site vehicles (incl. delivery vehicles) must abide by the TM requirements and regulations enter and exit site from the dedicated points; Comply with the designated site safety speed limits; All vehicles within Traffic Management shall comply with the conspicuity requirements of Chapter 8.
Are there any restrictions on deliveries, waste collection, or storage?	x		No deliveries to take place unless Traffic Management is in place. No waste shall be stored on site. Waste Carriers Licence required
Are there any parking restrictions?	x		All vehicles and plant within the works area shall be parked in a safe area clear of access and egress points. All vehicles and plant shall be removed from the carriageway prior to removal of traffic management. No Private vehicles are allowed on site
Height Restrictions		x	None
Overhead Cables		x	Overhead 11kv cable to the south of the site but not impacting on site works.
Structures		x	None
Will fire precautions be required?		x	No hot works are anticipated on site.
Are emergency procedures and means of escape required?		x	The Contractor shall ensure that emergency procedure plans are in place and all staff have been inducted. One lane will remain serviceable throughout the works duration for emergency services at all times. Nearest A&E hospital Northbound Queens Medical Centre, Derby Rd, Nottingham NG7 2UH Southbound Leicester Royal Infirmary, Infirmary Square, Leicester, Leicestershire, LE1 5WW
Are there any areas in or around the site classified as no-go areas?		x	No site personnel shall enter the safety zones or tapers within the extents of the traffic management unless trained and competent for installation/removal/maintenance of TM. Sub-Contractor's Method Statements and Risk Statements shall contain suitable risk control to protect pedestrian workers and plant operators.

3. Scheme Specific Requirements			
	Yes	No	Comments
Are there any noise restrictions?		x	Noise to be kept to a minimum. Idling machinery and vehicles to be kept to a minimum or switched off when not in use. Best practicable means of noise control, as described within BS 5228-1:2009+A1:2014 'Code of Practice for Noise and Vibration Control on Construction and Open Sites', should be implemented in order to minimise the risk of disturbance. The British Standard provides specific detail on suitable measures for noise control in respect to construction operations. Operatives should receive training to effectively employ techniques to reduce noise. Unnecessary noise should be avoided when carrying out manual operations and when operating plant and equipment.
Are temporary works required?		x	None other than traffic management
Are there any vibration restrictions?		x	None
Are there any poor or hazardous ground conditions	x		Embankments are unstable as a result of slope movement.
Are there any unstable structures?		X	None
Are there any areas classed (existing or designed) classed as confined spaces?		X	None
Are there any smoking restrictions?	X		No smoking is allowed on site. Designated smoking areas to be confirmed during site inductions.
Any environmental constraints identified?	x		Ecological Clerk of works to be present during vegetation clearance.

Materials and Substances with Health and/or Safety Hazards

Asbestos

If Asbestos Containing Materials are found during construction, all works shall stop immediately and the area is to be isolated from the workforce. The Contractor must inform the Principal Contractor, who will then implement the necessary emergency response procedures in line with the Company policy.

Under no circumstances will the Contractor attempt to remove any Asbestos Containing Materials without prior consent from the overseeing organisation.

Lead

Scope of Works are unlikely to encounter lead.

Tar based pavement/surfacing

Risk of Tar in lower pavement layers, however these are not anticipated to be disturbed by the works.

Leptospirosis/Weil's disease / Psittacosis Contact with highway drainage during works potential risk of Weil's disease. The Contractor is to ensure sufficient welfare facilities are in place at all times. All appropriate PPE must be worn at all times.

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 Document Issue Sheet				
Statutory Undertaker	Not Present	Over head	Under ground	Comments
Electricity If overheads cables are identified they should be clearly marked on the scheme drawings				
400/132kV [pylons]	X			
66kV	X			
33kV	X			
11kV		x		Overhead cable to south of scheme extents
240/415Volts	X			
Water (Foul and Potable)				
Public Foul	X			
Pressurised Foul	X			
Public Combined Gravity	X			
Pressurised Combined	X			
Culverted Watercourse	X			
Water Main	X			
Aqueduct	X			
Communications				
Communications			x	Virgin Media and SSE Telecoms on southbound.
British Telecom If overheads cables are identified they should be clearly marked on the scheme drawings				
British Telecom	X			
National Grid				
National Grid	X			
Transco				
LP Mains	X			
MP Mains	X			
IP Mains	X			
LHP Mains	X			
NHP Mains	X			
Government Pipelines				
Government Pipelines	X			
Fisher German Pipelines				
Fisher German Pipelines	X			
Energis				
Energis	X			
Motorway Communication				
Motorway Comms	X			
Street Lighting				
Street lighting	X			
Highway Drainage				
			x	Culvert and pipework present and will be subject to drainage survey
Other				
	X			

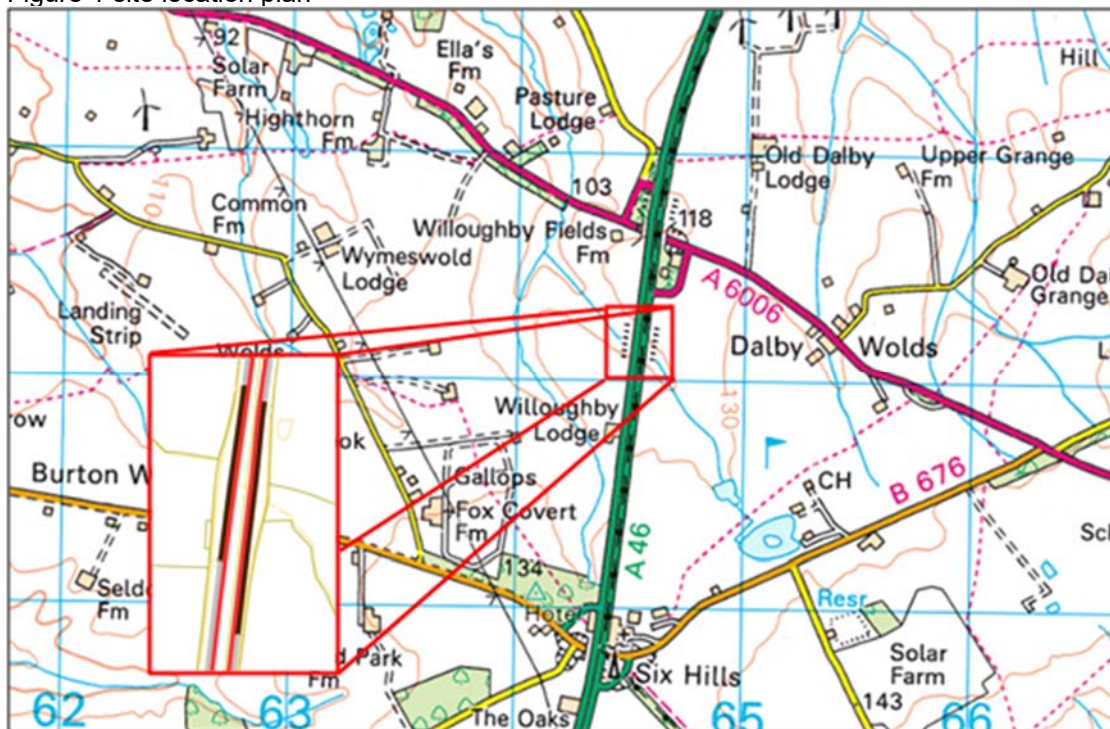
5. Health and Safety file requirements

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.

Appendix A - Location Plan

Figure 1 site location plan



Appendix B - Construction Drawings

See Document Issue Sheet for list of current scheme drawings, alternately list below.

Reference	Rev	Title
A46 Sixhills-DR-CE-0600_01	02	Drainage Features and Borehole Locations
A46 Sixhills-DR-CE-0600_02	02	Vegetation Clearance
A46 Sixhills-DR-CE-0500_001 to 003	001	Topographic and additional drainage survey
A46 Sixhills-DR-CE-0600_03 to 12	02	Utilities Plan

Appendix C - Statutory Undertaker Drawings

The Statutory Undertakers drawings are available no Kier's system and a composite drawing has been produced.

Reference	Rev	Title	Company
A46 Sixhills - DE - CE - 0600_08	S0	A46 Index 125 - 5377 Utilities Drawing	Composite

Appendix D – Overhead cables

11kv electrical cable to south of site but not in scheme extents.

Appendix E - List of Structures

Structure	Type	Location Ref	Str key	OSGR
N/A				