A417 Missing Link

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FIGURE 13.1
SURFACE WATER FEATURES
SHEET 1 OF 2

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING SIGNIFICANT RESIDUAL RISKS (REFERENCE SHALL ALSO BE MADE IN THE DESIGN HAZARD LOG)

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

CONSTRUCTION

MAINTENANCE / CLEANING

DECOMMISSIONING / DEMOLITION

USE

NONE

NONE

NONE

NONE

DATE

EB

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Originator

Volume

Number

Role

Type

Location

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Description

DATE

REV.

P06

UPDATED FIGURE NUMBER

21/08/19

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CLIENT NAME: Highways England

LICENCE NUMBER: 100030649 [2019]
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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

CONSTRUCTION

Maintenance / Cleaning

Decommission / Demolition

Use

NONE

NONE

NONE

NONE

FIGURE 13.1
SURFACE WATER FEATURES
SHEET 2 OF 2

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CLIENT NAME: Highways England
LICENCE NUMBER: 100030649 [2019]
FIGURE 13.2
EXISTING FLOOD RISK
SHEET 1 OF 2

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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

CONSTRUCTION

MAINTENANCE / CLEANING

DECOMMISSIONING / DEMOLITION

USE

NONE

NONE

NONE

NONE
FIGURE 13.3
WFD SURFACE WATERBODIES
SHEET 2 OF 2

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING SIGNIFICANT RESIDUAL RISKS (REFERENCE SHALL ALSO BE MADE IN THE DESIGN HAZARD LOG)

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

CONSTRUCTION

MAINTENANCE / CLEANING

DECOMMISSIONING / DEMOLITION

USE

NONE

NONE

NONE

NONE

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FIG. NUMBER UPDATE

HE PIN

ORIGINATOR

VOLUME

NUMBER

ROLE

TYPE

LOCATION
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Figure 13.5 Hydrogeological Plan Features
Sheet 2 of 2

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (reference shall also be made in the design hazard log):

- Safety, health and environmental information
- Construction
- Maintenance/cleaning
- Decommissioning/demolition
- Use

None

TABLE FOR STAGE APPROVAL

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<th>Description</th>
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He Pin
Originator

Volume Number Role Type Location

He551506 ARP EWE LE 00014

Superficial deposits
- Alluvium - clay, silt, sand and gravel
- Head - clay, silt, sand and gravel
- Cheltenham sand and gravel
- Sand and gravel

Bedrock geology
- Great oolite group
  - White limestone formation - limestone
  - Hampen formation - limestone
  - Fuller's earth formation - mudstone
- Inferior oolite group
  - Saltmarsh limestone formation - limestone, diurnal

Lias group
- Lias group and inferior oolite group
  - Charnwood mudstone formation - mudstone, argillaceous rocks and subordinate sandstone, interbedded

Charnwood mudstone formation - mudstone

Superficial deposits
- Active surface water abstraction points
- Groundwater-related features
- Potential/uncertified abstraction (status unknown)
- Spring
- Dry valley
- Flooded ground

Construciton
- Safety, health and environmental information
- Maintenance/cleaning
- Decommissioning/demolition
- Use

None

Legend
- Proposed scheme boundary
- Proposed scheme boundary - 1km buffer
- Sites of special scientific interest (SSSI)
- Water networks as presented by the EA
- Superseded by tracer testing
- Approximate direction of watercourse following tracer testing

Figure 13.5 Hydrogeological Plan Features
Sheet 2 of 2

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Highways England
IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING SIGNIFICANT RESIDUAL RISKS (REFERENCE SHALL ALSO BE MADE IN THE DESIGN HAZARD LOG)

SOLUTIONS

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

CONSTRUCTION

MAINTENANCE / CLEANING

DECOMMISSIONING / DEMOLITION

USE

NONE

NONE

NONE

NONE

FIGURE 13A

AQUIFER DESIGNATIONS

SHEET 1 OF 2

LEGEND

AQUIFER DESIGNATION - SUPERFICIAL DEPOSITS

- PRINCIPAL
- SECONDARY (UNDIFFERENTIATED)
- SECONDARY A
- SECONDARY B
- UNPRODUCTIVE

AQUIFER DESIGNATION - BEDROCK

- PRINCIPAL
- SECONDARY (UNDIFFERENTIATED)
- SECONDARY A
- SECONDARY B
- UNPRODUCTIVE

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**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION**

**CONSTRUCTION**

- **MAINTENANCE / CLEANING**
  - NONE
- **DECOMMISSIONING / DEMOLITION**
  - NONE
- **USE**
  - NONE