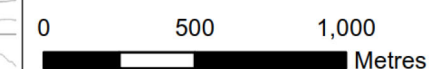


- Legend**
- Route option
  - - - 500m Buffer
  - - - Inferred fault
  - Borehole - The Moray Council
  - Borehole - British Geological Survey
- Solid geology - bedrock
- ALB-PESST, Alvs Formation
  - ALB-PESST, Alvs Formation
  - ALB-SCAR, Alvs Formation
  - BOTHL-LMST, Boathill Limestone Member
  - CS, Cornstone Group
  - DRB-SDSL, Dunrobin Bay Formation
  - ELCA-CALSST, Elgin Calcrete Formation
  - FOC-MLCM, Fochabers Sandstone Formation
  - FOC-SCSM, Fochabers Sandstone Formation
  - FSA-SDST, Forres Sandstone Group
  - HMSF-SDST, Hopeman Sandstone Formation
  - INS-SDST, Inverness Sandstone Group
  - KISA-LMST, Kingsteps Sandstone Formation
  - KISA-PESST, Kingsteps Sandstone Formation
  - KISA-SDST, Kingsteps Sandstone Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NSTN-SDST, Nairn Sandstone Member
  - ORS-SC, Old Red Sandstone, Undivided Sandstone and Conglomerate
  - RBB-SDST, Rosebrae Beds, Sandstone
  - RBB-SDST, Rosebrae Beds, Sandstone with Clay pellets
  - SCB, Scaat Craig Beds
  - SPY-CONG, Spey Conglomerate Formation
  - STOT-SCHL, Stotfield Cherty Rock Formation
  - WESTL-CONG, Wester Laurenceton Conglomerate Member



C01	27/11/2018	Approved as Stage Complete	JB	SR
Rev.	Rev. Date	Drawing Suitability	Drawn	Appr'd

**Mott MacDonald Sweco**

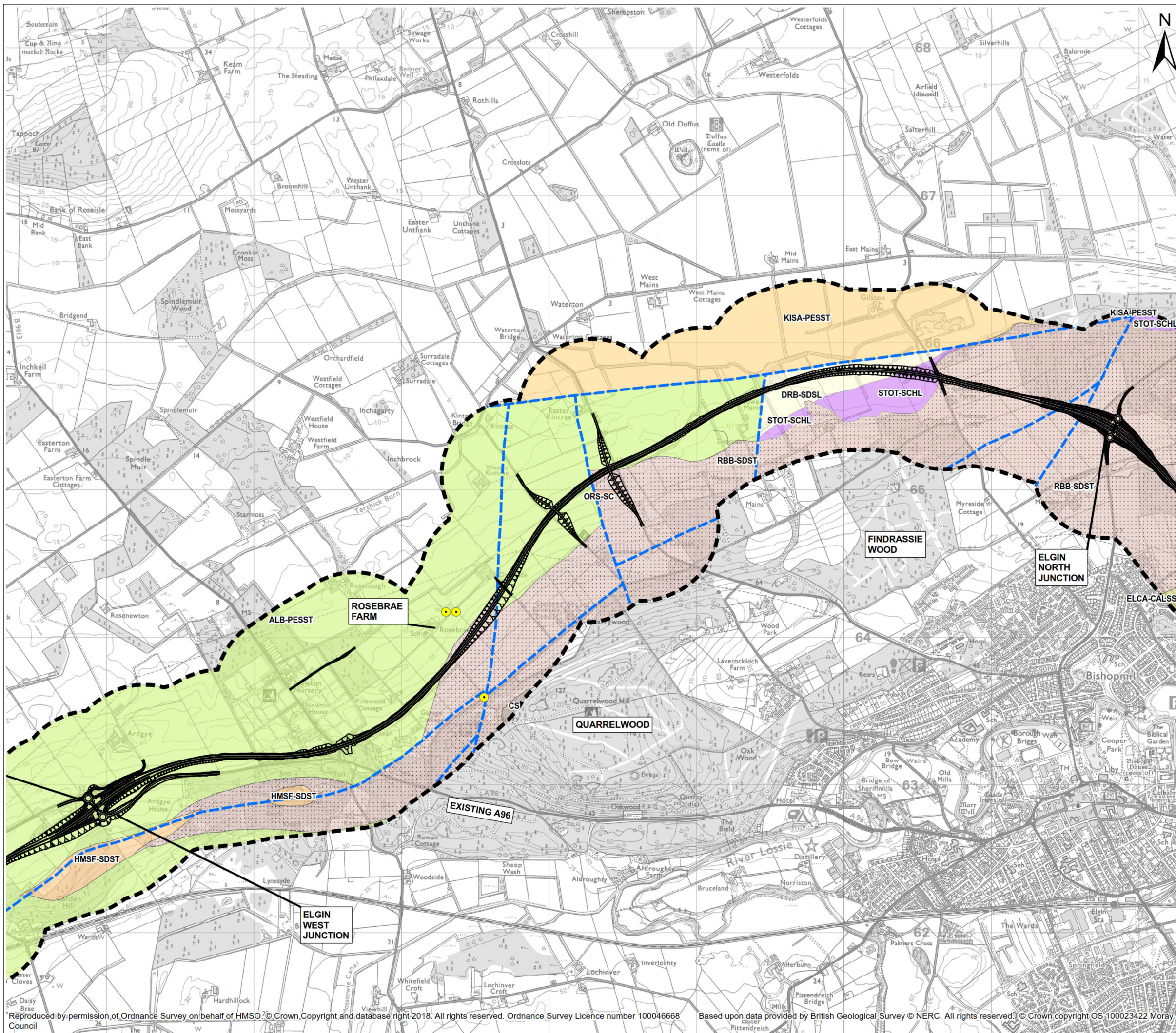


Project: **A96 DUALLING  
HARDMUIR TO FOCHABERS**

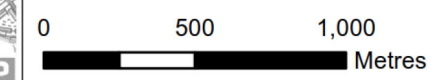
Drawing Title: **FIGURE 6.15 HILLHEAD TO LHANBRYDE  
NORTH OPTION SOLID GEOLOGY  
SHEET 1 OF 3**

Scale @ A3	1:25,000	DO NOT SCALE
Project No.	117880	Status
BIM No.	A96PHF-MMS-EGT-00000-DR-GE-00019	

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- Legend**
- Route option
  - - - 500m Buffer
  - - - Inferred fault
  - Borehole - The Moray Council
  - Borehole - British Geological Survey
- Solid geology - bedrock
- ALB-PESST, Alves Formation
  - ALB-SCAR, Alves Formation
  - BOTHL-LMST, Boathill Limestone Member
  - CS, Cornstone Group
  - DRB-SDSL, Dunrobin Bay Formation
  - ELCA-CALSST, Elgin Calcrete Formation
  - FOC-MLCM, Fochabers Sandstone Formation
  - FOC-SCSM, Fochabers Sandstone Formation
  - FSA-SDST, Forres Sandstone Group
  - HMSF-SDST, Hopeman Sandstone Formation
  - INS-SDST, Inverness Sandstone Group
  - KISA-LMST, Kingsteps Sandstone Formation
  - KISA-PESST, Kingsteps Sandstone Formation
  - KISA-SDST, Kingsteps Sandstone Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NSTN-SDST, Nairn Sandstone Member
  - ORS-SC, Old Red Sandstone, Undivided Sandstone and Conglomerate
  - RBB-SDST, Rosebrae Beds, Sandstone
  - RBB-SDST, Rosebrae Beds, Sandstone with Clay pellets
  - SCB, Scaat Craig Beds
  - SPY-CONG, Spey Conglomerate Formation
  - STOT-SCHL, Stotfield Cherty Rock Formation
  - WESTL-CONG, Wester Laureceton Conglomerate Member



C01	27/11/2018	Approved as Stage Complete	JB	SR
Rev.	Rev. Date	Drawing Suitability	Drawn	Appr'd

**Mott MacDonald Sweco**

Client

**Project**

**A96 DUALLING  
HARDMUIR TO FOCHABERS**

**Drawing Title**

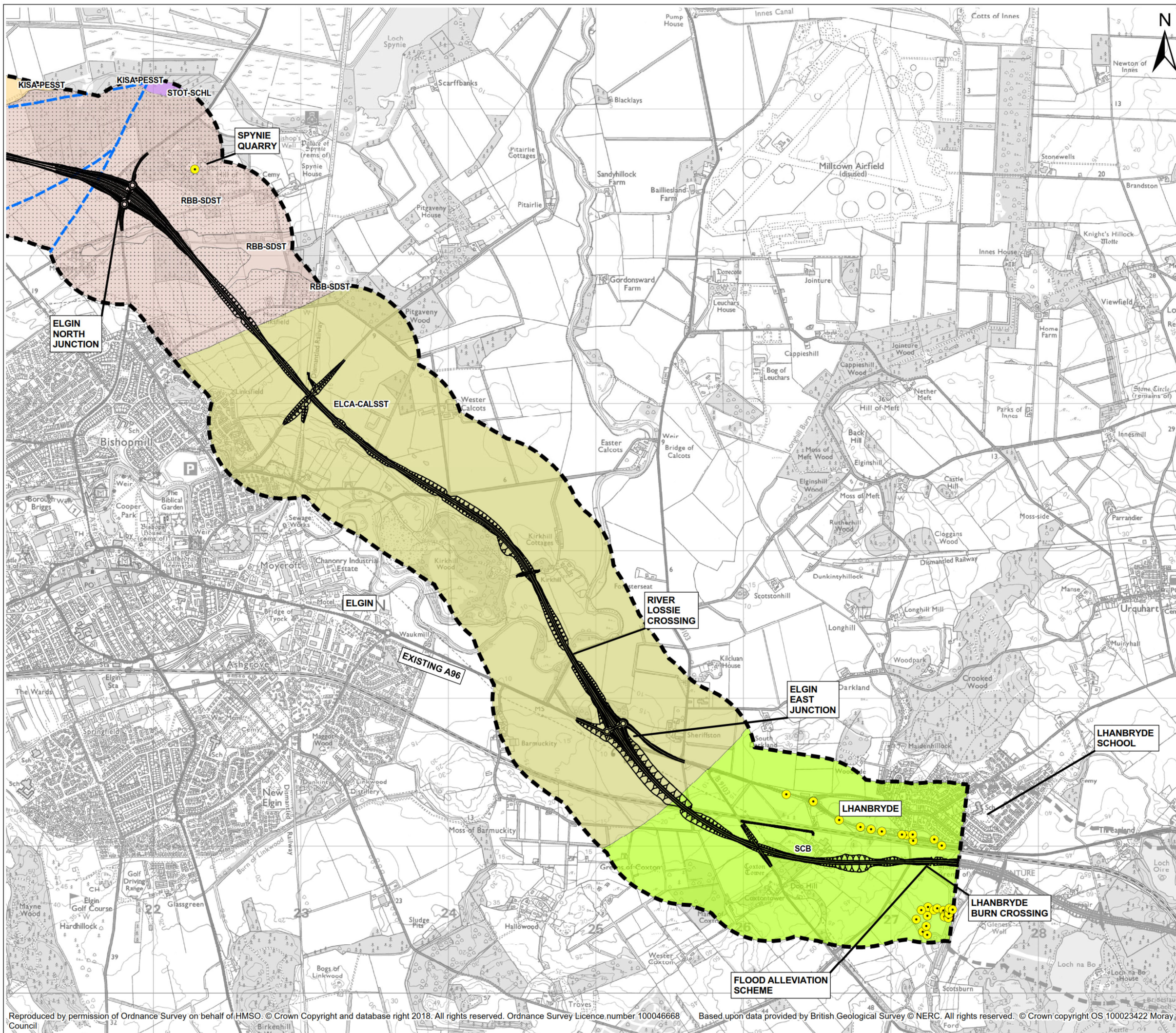
**FIGURE 6.16 HILLHEAD TO LHANBRYDE  
NORTH OPTION SOLID GEOLOGY  
SHEET 2 OF 3**

Scale @ A3	1:25,000	DO NOT SCALE
Project No.	117880	Status
BIM No.	A96PHF-MMS-EGT-00000-DR-GE-00020	

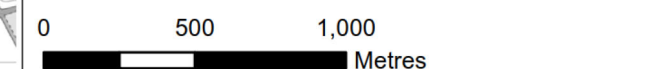
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- Legend**
- Route option
  - - - 500m Buffer
  - - - Inferred fault
  - Borehole - The Moray Council
  - Borehole - British Geological Survey
- Solid geology - bedrock
- ALB-PESST, Alves Formation
  - ALB-PESST, Alves Formation
  - ALB-SCAR, Alves Formation
  - BOTHL-LMST, Boathill Limestone Member
  - CS, Cornstone Group
  - DRB-SDSL, Dunrobin Bay Formation
  - ELCA-CALSST, Elgin Calcrete Formation
  - FOC-MLCM, Fochabers Sandstone Formation
  - FOC-SCSM, Fochabers Sandstone Formation
  - FSA-SDST, Forres Sandstone Group
  - HMSF-SDST, Hopeman Sandstone Formation
  - INS-SDST, Inverness Sandstone Group
  - KISA-LMST, Kingsteps Sandstone Formation
  - KISA-PESST, Kingsteps Sandstone Formation
  - KISA-SDST, Kingsteps Sandstone Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NSTN-SDST, Nairn Sandstone Member
  - ORS-SC, Old Red Sandstone, Undivided Sandstone and Conglomerate
  - RBB-SDST, Rosebrae Beds, Sandstone
  - RBB-SDST, Rosebrae Beds, Sandstone with Clay pellets
  - SCB, Scaat Craig Beds
  - SPY-CONG, Spey Conglomerate Formation
  - STOT-SCHL, Stotfield Cherty Rock Formation
  - WESTL-CONG, Wester Laureceton Conglomerate Member



C01	27/11/2018	Approved as Stage Complete	JB	SR
Rev.	Rev. Date	Drawing Suitability	Drawn	Appr'd

**Mott MacDonald Sweco**

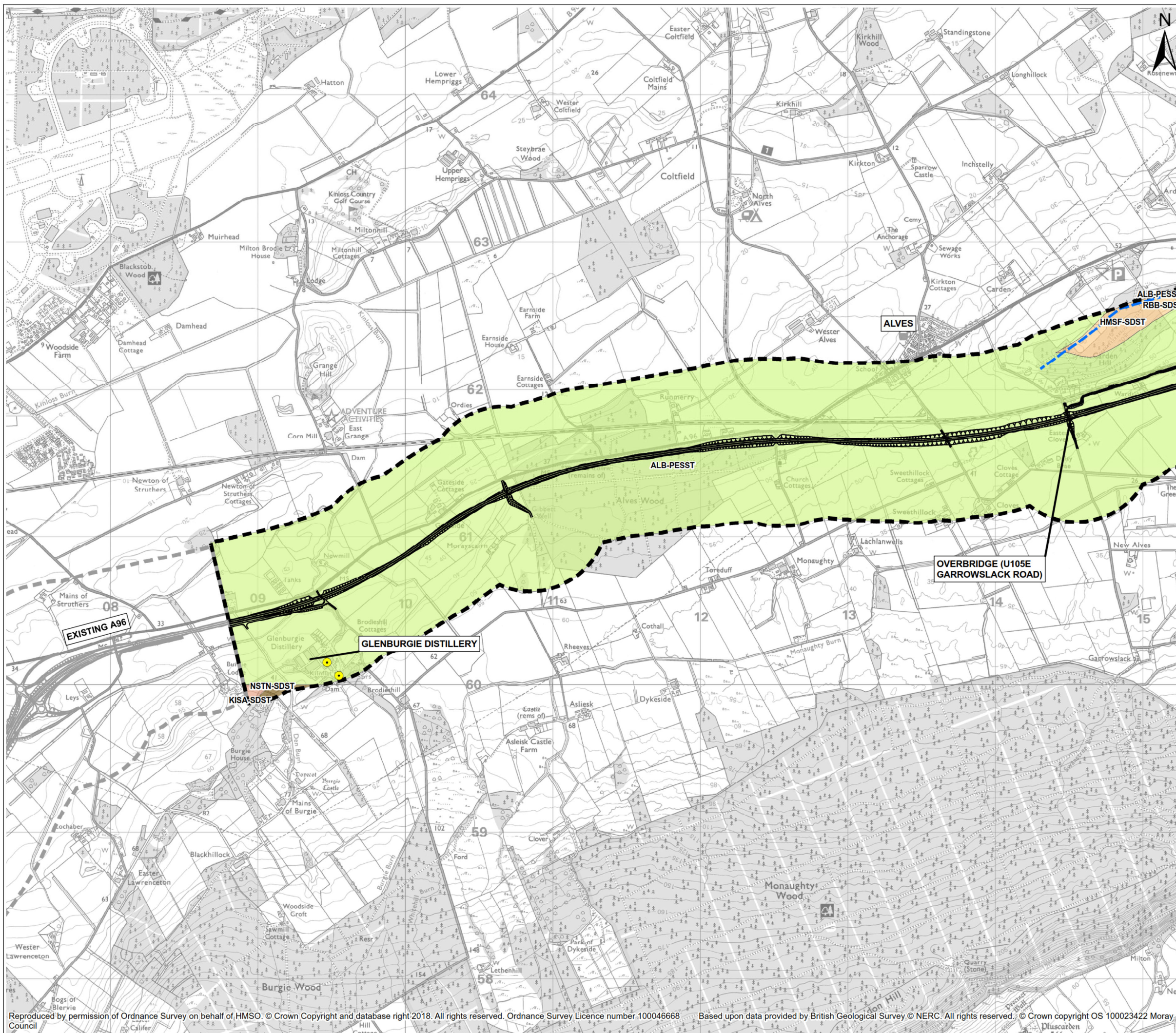


**Project**  
A96 DUALLING  
HARDMUIR TO FOCHABERS

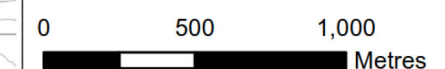
**Drawing Title**  
FIGURE 6.17 HILLHEAD TO LHANBRYDE  
NORTH OPTION SOLID GEOLOGY  
SHEET 3 OF 3

Scale @ A3	1:25,000	DO NOT SCALE
Project No.	117880	Status
BIM No.	A96PHF-MMS-EGT-00000-DR-GE-00021	

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- Legend**
- Route option
  - - - 500m Buffer
  - - - Inferred fault
  - Borehole - The Moray Council
  - Borehole - British Geological Survey
- Solid geology - bedrock
- ALB-PESST, Alves Formation
  - ALB-PESST, Alves Formation
  - ALB-SCAR, Alves Formation
  - BOTHL-LMST, Boathill Limestone Member
  - CS, Cornstone Group
  - DRB-SDSL, Dunrobin Bay Formation
  - ELCA-CALSST, Elgin Calcrete Formation
  - FOC-MLCM, Fochabers Sandstone Formation
  - FOC-SCSM, Fochabers Sandstone Formation
  - FSA-SDST, Forres Sandstone Group
  - HMSF-SDST, Hopeman Sandstone Formation
  - INS-SDST, Inverness Sandstone Group
  - KISA-LMST, Kingsteps Sandstone Formation
  - KISA-PESST, Kingsteps Sandstone Formation
  - KISA-SDST, Kingsteps Sandstone Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NSTN-SDST, Nairn Sandstone Member
  - ORS-SC, Old Red Sandstone, Undivided Sandstone and Conglomerate
  - RBB-SDST, Rosebrae Beds, Sandstone
  - RBB-SDST, Rosebrae Beds, Sandstone with Clay pellets
  - SCB, Scaat Craig Beds
  - SPY-CONG, Spey Conglomerate Formation
  - STOT-SCHL, Stotfield Cherty Rock Formation
  - WESTL-CONG, Wester Laurenceton Conglomerate Member



C01	27/11/2018	Approved as Stage Complete	JB	SR
Rev.	Rev. Date	Drawing Suitability	Drawn	Appr'd

**Mott MacDonald Sweco**

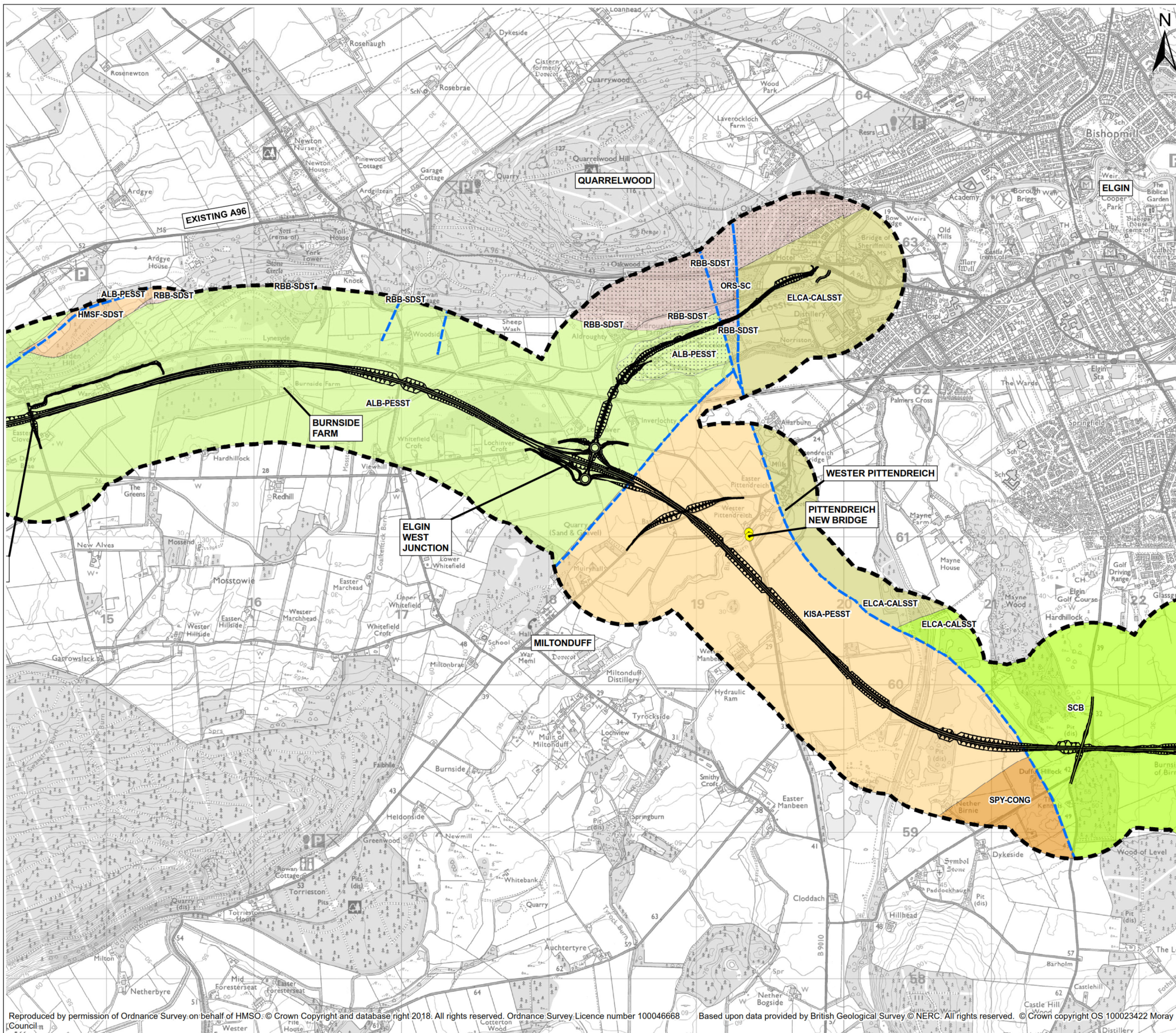


**Project**  
A96 DUALLING  
HARDMUIR TO FOCHABERS

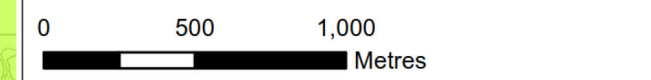
**Drawing Title**  
FIGURE 6.18 HILLHEAD TO LHANBRYDE  
SOUTH OPTION SOLID GEOLOGY  
SHEET 1 OF 3

Scale @ A3	1:25,000	DO NOT SCALE
Project No.	117880	Status
BIM No.	A96PHF-MMS-EGT-00000-DR-GE-00022	

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- Legend**
- Route option
  - ▭ 500m Buffer
  - - - Inferred fault
  - Borehole - The Moray Council
  - Borehole - British Geological Survey
- Solid geology - bedrock
- ALB-PESST, Alves Formation
  - ALB-PESST, Alves Formation
  - ALB-SCAR, Alves Formation
  - BOTHL-LMST, Boathill Limestone Member
  - CS, Cornstone Group
  - DRB-SDSL, Dunrobin Bay Formation
  - ELCA-CALSST, Elgin Calcrete Formation
  - FOC-MLCM, Fochabers Sandstone Formation
  - FOC-SCSM, Fochabers Sandstone Formation
  - FSA-SDST, Forres Sandstone Group
  - HMSF-SDST, Hopeman Sandstone Formation
  - INS-SDST, Inverness Sandstone Group
  - KISA-LMST, Kingsteps Sandstone Formation
  - KISA-PESST, Kingsteps Sandstone Formation
  - KISA-SDST, Kingsteps Sandstone Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NSTN-SDST, Nairn Sandstone Member
  - ORS-SC, Old Red Sandstone, Undivided Sandstone and Conglomerate
  - RBB-SDST, Rosebrae Beds, Sandstone
  - RBB-SDST, Rosebrae Beds, Sandstone with Clay pellets
  - SCB, Scaat Craig Beds
  - SPY-CONG, Spey Conglomerate Formation
  - STOT-SCHL, Stotfield Cherty Rock Formation
  - WESTL-CONG, Wester Laureceton Conglomerate Member



C01	27/11/2018	Approved as Stage Complete	JB	SR
Rev.	Rev. Date	Drawing Suitability	Drawn	Appr'd

**Mott MacDonald Sweco**

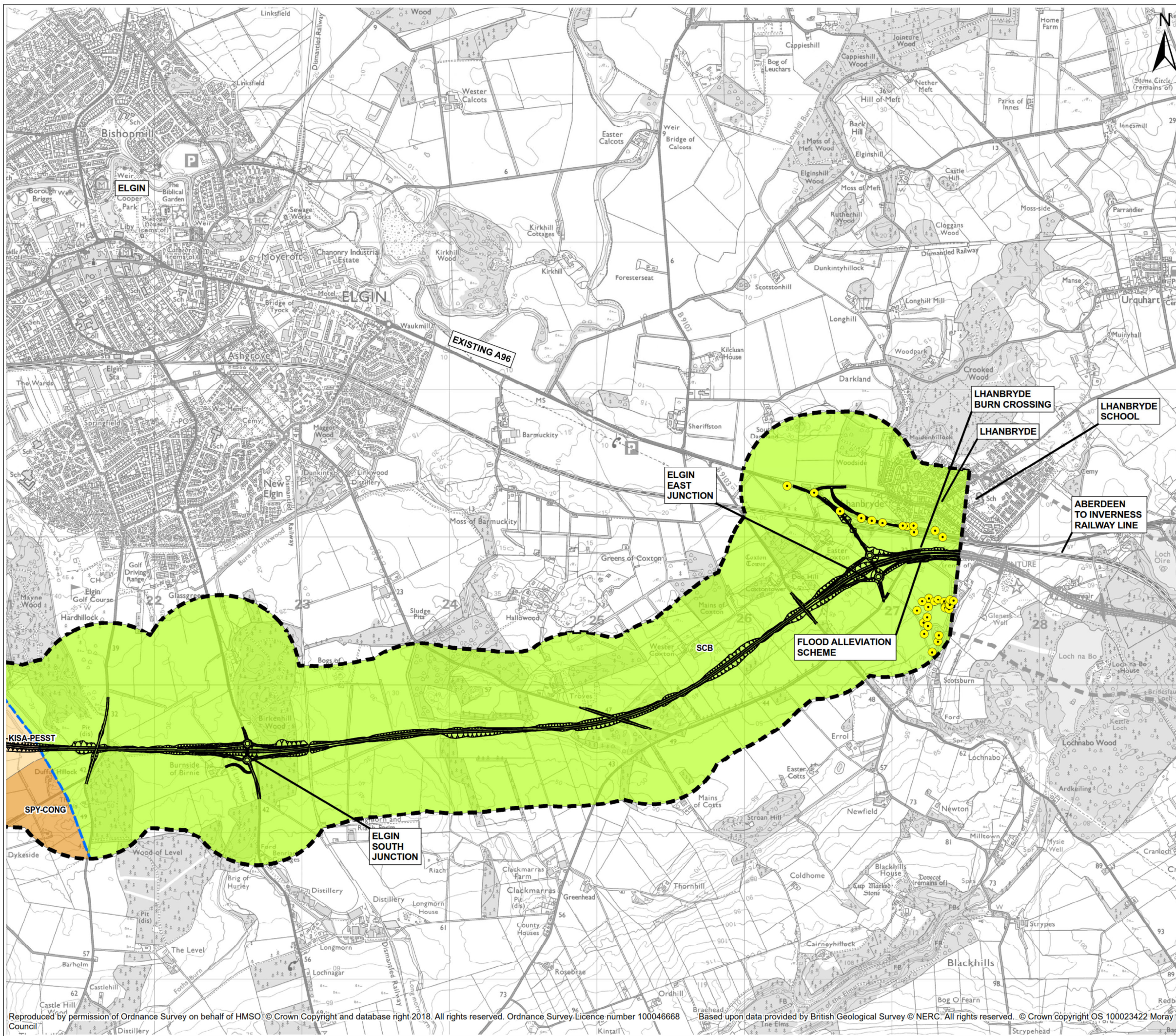
Client: **TRANSFORM SCOTLAND** **A96 DUALLING**  
HARDMUIR TO FOCHABERS

Project: **A96 DUALLING**  
**HARDMUIR TO FOCHABERS**

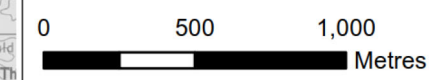
Drawing Title: **FIGURE 6.19 HILLHEAD TO LHANBRYDE**  
**SOUTH OPTION SOLID GEOLOGY**  
**SHEET 2 OF 3**

Scale @ A3	1:25,000	DO NOT SCALE
Project No.	117880	Status
BIM No.	A96PHF-MMS-EGT-00000-DR-GE-00023	

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- Legend**
- Route option
  - ▭ 500m Buffer
  - - - Inferred fault
  - Borehole - The Moray Council
  - Borehole - British Geological Survey
- Solid geology - bedrock**
- ALB-PESST, Alves Formation
  - ALB-PESST, Alves Formation
  - ALB-SCAR, Alves Formation
  - BOTHL-LMST, Boathill Limestone Member
  - CS, Cornstone Group
  - DRB-SDSL, Dunrobin Bay Formation
  - ELCA-CALSST, Elgin Calcrete Formation
  - FOC-MLCM, Fochabers Sandstone Formation
  - FOC-SCSM, Fochabers Sandstone Formation
  - FSA-SDST, Forres Sandstone Group
  - HMSF-SDST, Hopeman Sandstone Formation
  - INS-SDST, Inverness Sandstone Group
  - KISA-LMST, Kingsteps Sandstone Formation
  - KISA-PESST, Kingsteps Sandstone Formation
  - KISA-SDST, Kingsteps Sandstone Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NSTN-SDST, Nairn Sandstone Member
  - ORS-SC, Old Red Sandstone, Undivided Sandstone and Conglomerate
  - RBB-SDST, Rosebrae Beds, Sandstone
  - RBB-SDST, Rosebrae Beds, Sandstone with Clay pellets
  - SCB, Scaat Craig Beds
  - SPY-CONG, Spey Conglomerate Formation
  - STOT-SCHL, Stotfield Cherty Rock Formation
  - WESTL-CONG, Wester Laureceton Conglomerate Member



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**Mott MacDonald Sweco**

Client: **TRANSFORM SCOTLAND** **A96 DUALLING**  
HARDMUIR TO FOCHABERS

Project: **A96 DUALLING**  
**HARDMUIR TO FOCHABERS**

Drawing Title: **FIGURE 6.20 HILLHEAD TO LHANBRYDE**  
**SOUTH OPTION SOLID GEOLOGY**  
**SHEET 3 OF 3**

Scale @ A3	1:25,000	DO NOT SCALE
Project No.	117880	Status
BIM No.	A96PHF-MMS-EGT-00000-DR-GE-00024	

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