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**LEGEND**

- PROPOSED ROUTE ALIGNMENT
- ATTENUATION POND (HE)
- ATTENUATION POND (CORNWALL COUNCIL)
- GEOLOGY AND SOILS STUDY AREA
- CONSTRUCTION COMPOUND SITES

**DTM**

- 240.2
- 19.3

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
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)	
Construction	NONE
Maintenance / Cleaning	NONE
Use	NONE
Decommission / Demolition	NONE

Rev	Date	Description	By	Chkd	App'd
P02	24/11/17	FIRST ISSUE	SB	ST	PH

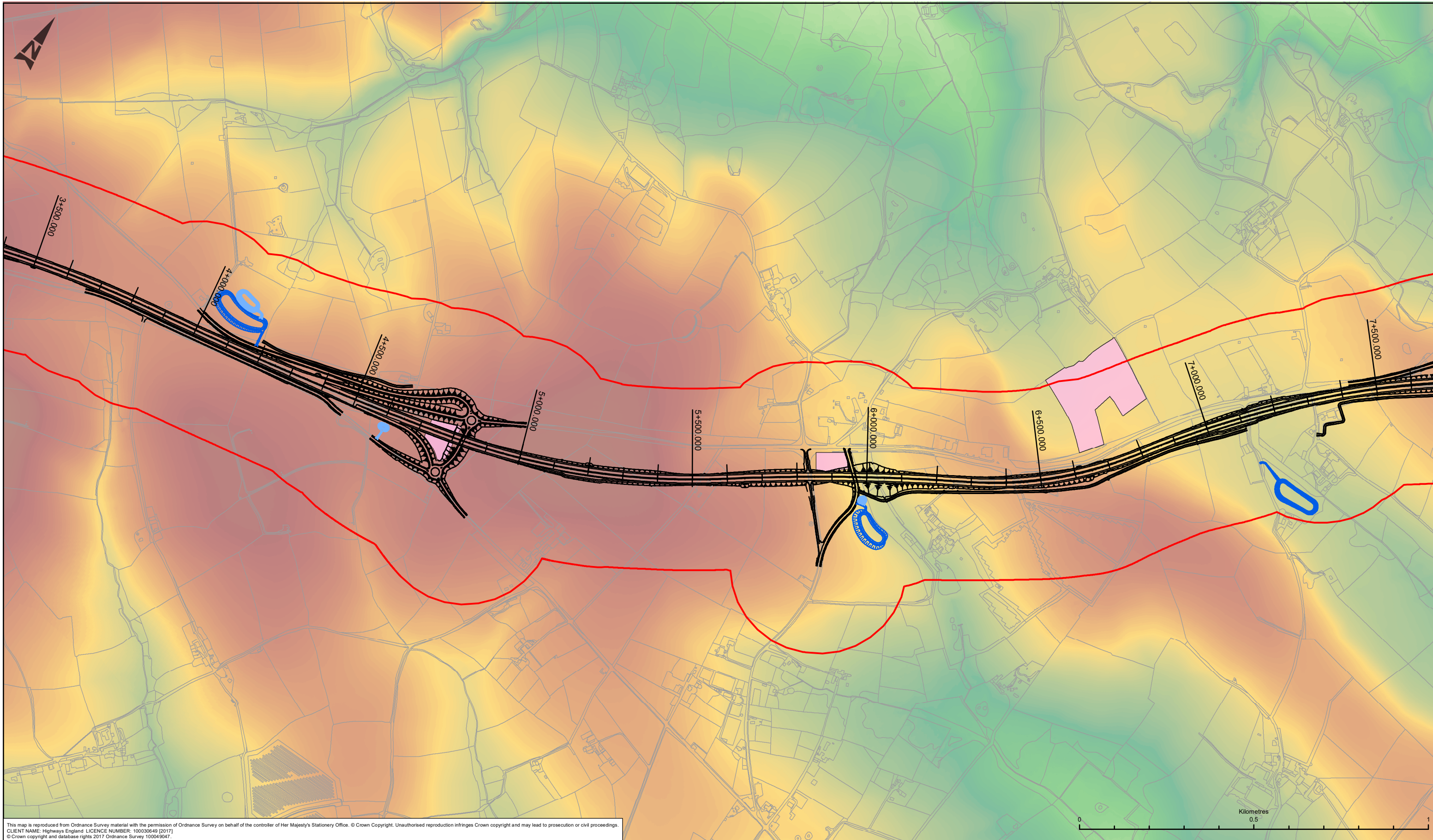
Suitability: **S3**  
 Drawing Status: **FIT FOR REVIEW AND COMMENT**

Designer: **ARUP**

Client: **highways england**

Project Title: <b>A30 CHIVERTON TO CARLAND CROSS</b>					
Drawing Title: <b>FIGURE 9.1 - TOPOGRAPHY AND GEOMORPHOLOGY SHEET 1 OF 4</b>					
Scale: <b>1:10,000</b>	Designed / Drawn: <b>SB</b>	Checked: <b>ST</b>	Approved: <b>PH</b>	Authorised: <b>IM</b>	
Original Size: <b>A3</b>	Date: <b>24/11/17</b>	Date: <b>24/11/17</b>	Date: <b>24/11/17</b>	Date: <b>24/11/17</b>	
Drawing Number: <b>HA551502-ARP-EGT-SW-DR-LE-000009</b>	Project: <b>HA551502-ARP-EGT-SW-DR-LE-000009</b>	Originator: <b>European Regional Development Fund</b>	Volume: <b>P02</b>	Revision: <b>P02</b>	
Location:	Type:	Role:	Number:		





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**LEGEND**

- PROPOSED ROUTE ALIGNMENT
- ATTENUATION POND (HE)
- ATTENUATION POND (CORNWALL COUNCIL)
- GEOLOGY AND SOILS STUDY AREA
- CONSTRUCTION COMPOUND SITES

**DTM**

- 240.2
- 19.3

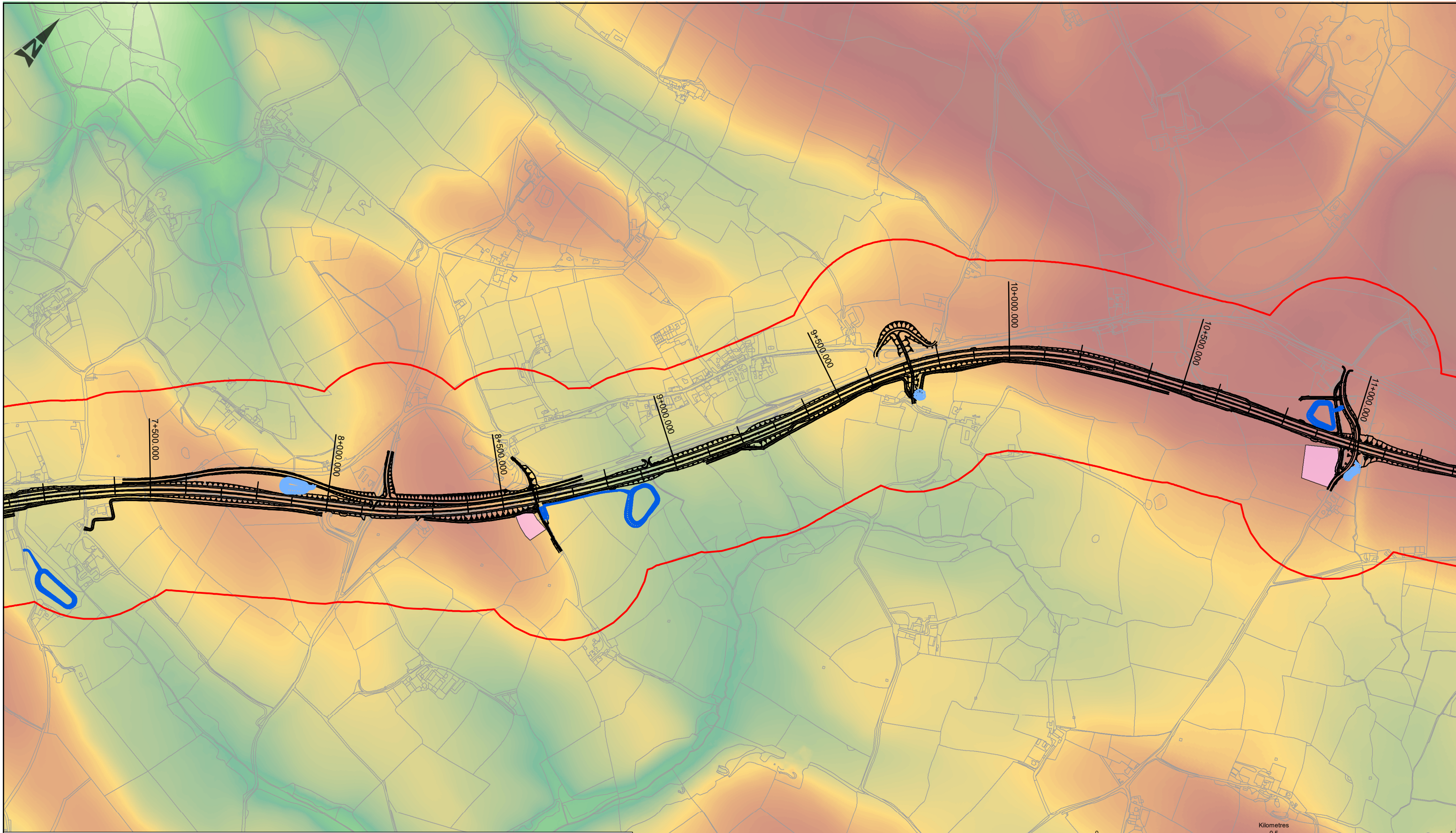
SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)	
Construction	NONE
Maintenance / Cleaning	NONE
Use	NONE
Decommission / Demolition	NONE

Rev	Date	Description	By	Chkd	App'd
P02	24/11/17	FIRST ISSUE	SB	ST	PH

Suitability: S3  
 Drawing Status: FIT FOR REVIEW AND COMMENT  
 Designer: ARUP  
 Client: highways england

Project Title: A30 CHIVERTON TO CARLAND CROSS				
Drawing Title: FIGURE 9.1 - TOPOGRAPHY AND GEOMORPHOLOGY SHEET 2 OF 4				
Scale: 1:10,000	Designed / Drawn: SB	Checked: ST	Approved: PH	Authorised: IM
Original Size: A3	Date: 24/11/17	Date: 24/11/17	Date: 24/11/17	Date: 24/11/17
Drawing Number: Project	Originator: HA551502-ARP-EGT-SW-DR-LE-000010	Volume: SW-DR-LE-000010	Revision: P02	
Location	Type	Role	Number	





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**LEGEND**

- PROPOSED ROUTE ALIGNMENT
- ATTENUATION POND (HE)
- ATTENUATION POND (CORNWALL COUNCIL)
- GEOLOGY AND SOILS STUDY AREA
- CONSTRUCTION COMPOUND SITES

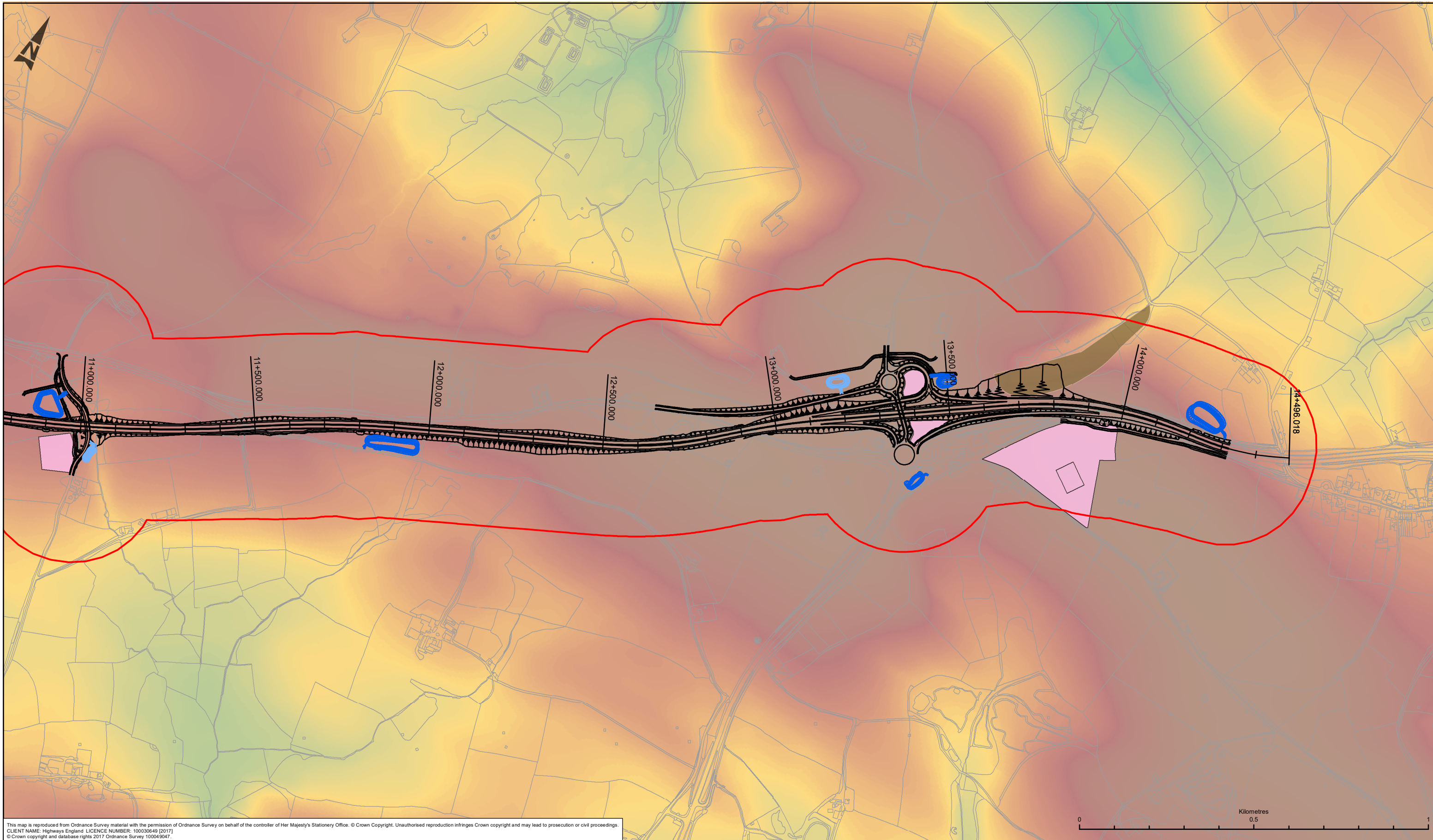
**DTM**

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
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)	
Construction	NONE
Maintenance / Cleaning	NONE
Use	NONE
Decommission / Demolition	NONE

Rev	Date	Description	By	Chkd	App'd
P02	24/11/17	FIRST ISSUE	SB	ST	PH

Suitability	Drawing Status	Project Title			
S3	FIT FOR REVIEW AND COMMENT	A30 CHIVERTON TO CARLAND CROSS			
Designer			Drawing Title		
			<b>FIGURE 9.1 - TOPOGRAPHY AND GEOMORPHOLOGY SHEET 3 OF 4</b>		
Client	Scale	Designed / Drawn	Checked	Approved	Authorised
	1:10,000	SB	ST	PH	IM
	Original Size	Date	Date	Date	Date
	A3	24/11/17	24/11/17	24/11/17	24/11/17
Drawing Number	Project	Originator	Volume	Revision	
	HA551502-ARP-EGT-SW-DR-LE-000011			P02	
Location	Type	Role	Number		





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**LEGEND**

- PROPOSED ROUTE ALIGNMENT
- ATTENUATION POND (HE)
- ATTENUATION POND (CORNWALL COUNCIL)
- GEOLOGY AND SOILS STUDY AREA
- CONSTRUCTION COMPOUND SITES
- INTERPRETED SLOPE STABILITY FEATURE

**DTM**

240.2

-19.3

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
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)	
<b>Construction</b>	NONE
<b>Maintenance / Cleaning</b>	NONE
<b>Use</b>	NONE
<b>Decommission / Demolition</b>	NONE

Rev	Date	Description	By	Chkd	App'd
P02	24/11/17	FIRST ISSUE	SB	ST	PH

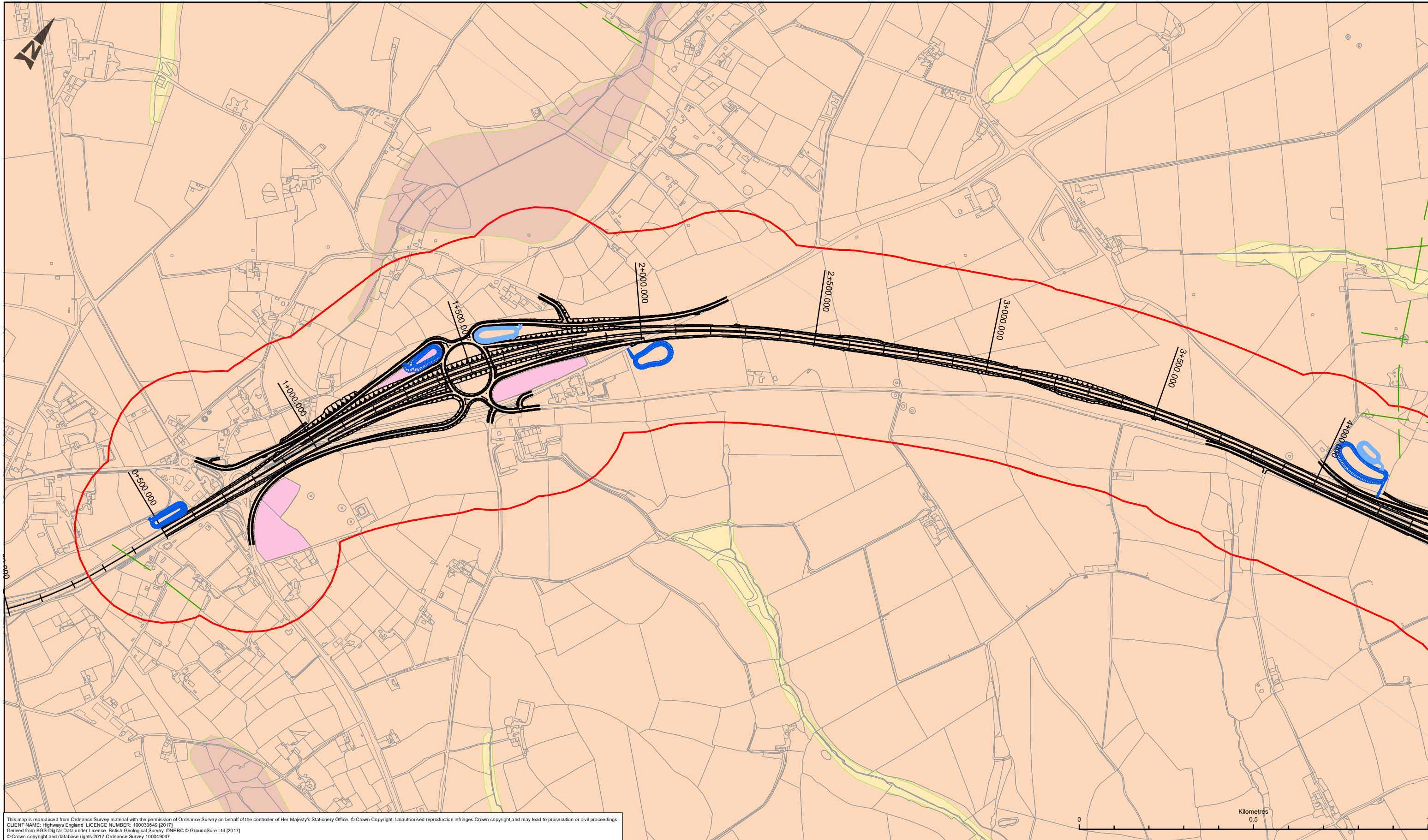
Suitability: S3  
 Drawing Status: FIT FOR REVIEW AND COMMENT

Designer: **ARUP**

Client: **highways england**

Project Title: A30 CHIVERTON TO CARLAND CROSS				
Drawing Title: FIGURE 9.1 - TOPOGRAPHY AND GEOMORPHOLOGY SHEET 4 OF 4				
Scale: 1:10,000	Designed / Drawn: SB	Checked: ST	Approved: PH	Authorised: IM
Original Size: A3	Date: 24/11/17	Date: 24/11/17	Date: 24/11/17	Date: 24/11/17
Drawing Number: Project	Originator: HA551502-ARP-EGT-SW-DR-LE-000012	Volume: SW-DR-LE-000012	Revision: P02	
Location	Type	Role	Number	





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LEGEND	
	PROPOSED ROUTE ALIGNMENT
	ATTENUATION POND (HE)
	ATTENUATION POND (CORNWALL COUNCIL)
	GEOLOGY AND SOILS STUDY AREA
	CONSTRUCTION COMPOUND SITES
LINEAR	
	MINERAL VEIN
SUPERFICIAL	
	ALLUVIUM
	HEAD
BEDROCK	
	PORTHTOWAN FORMATION

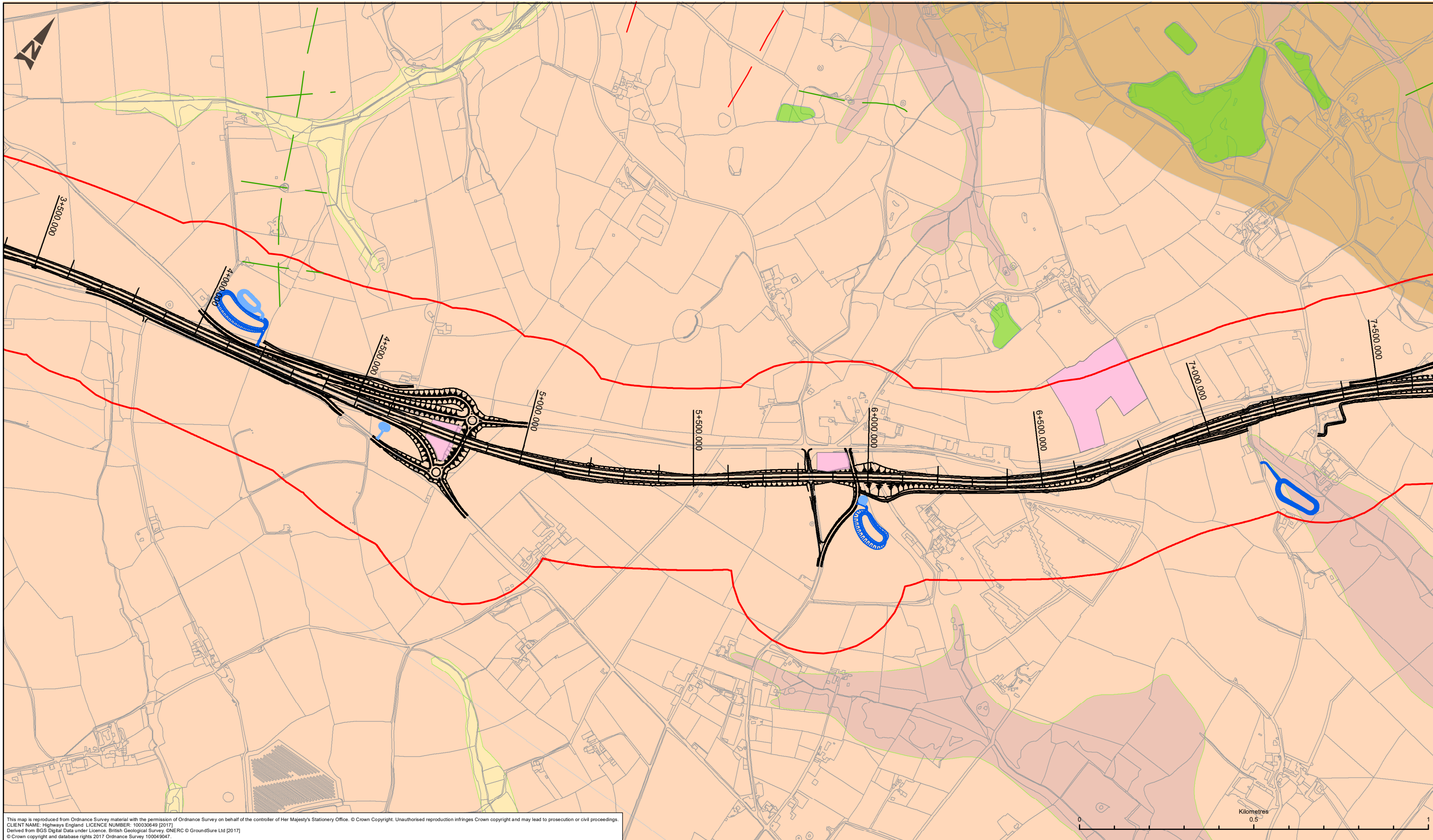
SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)	
Construction	NONE
Maintenance / Cleaning	NONE
Use	NONE
Decommission / Demolition	NONE

Rev	Date	Description	By	Chkd	App'd
P02	24/11/17	FIRST ISSUE	SB	ST	PH

Suitability: S3  
 Drawing Status: FIT FOR REVIEW AND COMMENT  
 Designer: ARUP  
 Client: highways england  
 European Union European Regional Development Fund

Project Title				
A30 CHIVERTON TO CARLAND CROSS				
Drawing Title				
FIGURE 9.2- PUBLISHED GEOLOGY SHEET 1 OF 4				
Scale	Designed / Drawn	Checked	Approved	Authorised
1:10,000	SB	ST	PH	IM
Original Size	Date	Date	Date	Date
A3	24/11/17	02/11/17	24/11/17	24/11/17
Drawing Number	Project	Originator	Volume	Revision
	HA551502-ARP-EGT-SW-DR-LE-000001			P02
Location	Type	Role	Number	





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LEGEND	
	PROPOSED ROUTE ALIGNMENT
	ATTENUATION POND (HE)
	ATTENUATION POND (CORNWALL COUNCIL)
	GEOLOGY AND SOILS STUDY AREA
	ARTIFICIAL GROUND
	CONSTRUCTION COMPOUND SITES
LINEAR	
	FAULT
	MINERAL VEIN
SUPERFICIAL	
	ALLUVIUM
	HEAD
BEDROCK	
	GRAMPOUND FORMATION
	PORTHTOWAN FORMATION

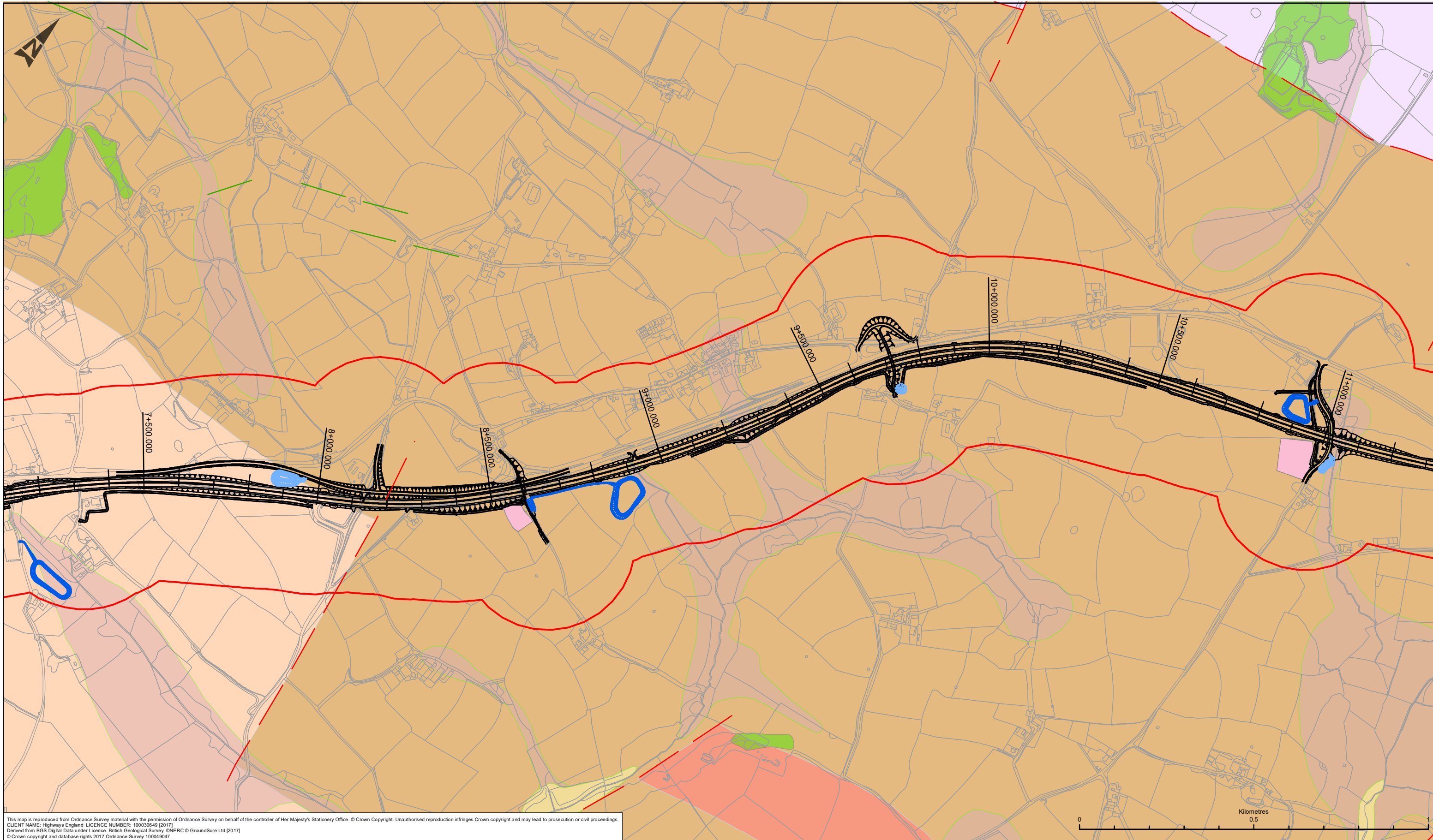
SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)	
Construction	NONE
Maintenance / Cleaning	NONE
Use	NONE
Decommission / Demolition	NONE

Rev	Date	Description	By	Chkd	App'd
P02	24/11/17	FIRST ISSUE	SB	ST	PH

Suitability	Drawing Status
S3	FIT FOR REVIEW AND COMMENT
Designer	Client

Project Title				
A30 CHIVERTON TO CARLAND CROSS				
Drawing Title				
FIGURE 9.2- PUBLISHED GEOLOGY SHEET 2 OF 4				
Scale	Designed / Drawn	Checked	Approved	Authorised
1:10,000	SB	ST	PH	IM
Original Size	Date	Date	Date	Date
A3	24/11/17	24/11/17	24/11/17	24/11/17
Drawing Number	Project	Originator	Volume	Revision
	HA551502-ARP-EGT-SW-DR-LE-000002			P02
Location	Type	Role	Number	





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LEGEND		
	PROPOSED ROUTE ALIGNMENT	
	ATTENUATION POND (HE)	
	ATTENUATION POND (CORNWALL COUNCIL)	
	GEOLOGY AND SOILS STUDY AREA	
	ARTIFICIAL GROUND	
	CONSTRUCTION COMPOUND SITES	
<b>LINEAR</b>		
	FAULT	
	MINERAL VEIN	
<b>SUPERFICIAL</b>		
	ALLUVIUM	
	HEAD	
<b>BEDROCK</b>		
	TRENDREAN MUDSTONE FORMATION	
	GRAMPOUND FORMATION	
	GRAMPOUND FORMATION	
	PORTHTOWAN FORMATION	

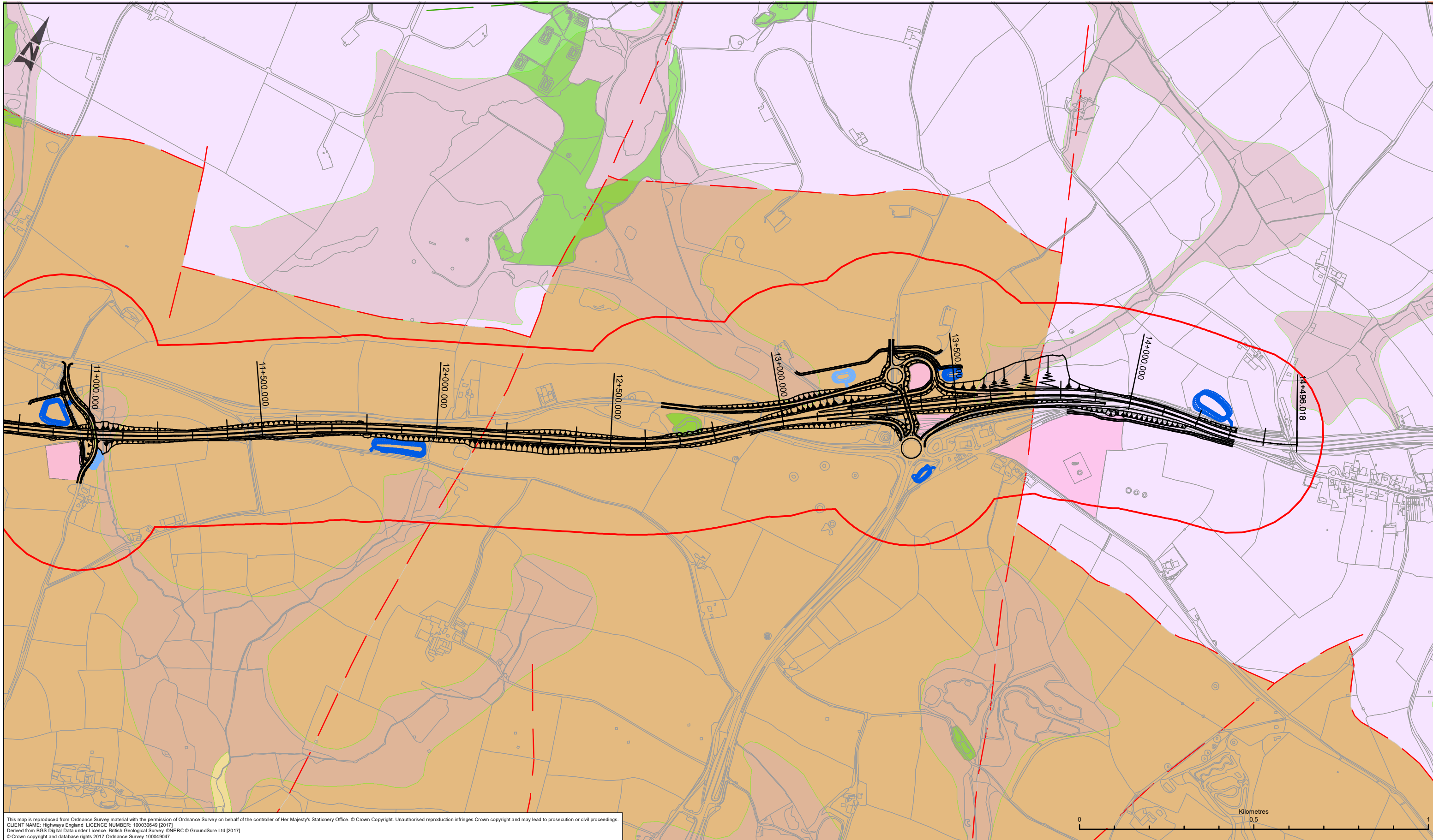
SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)	
Construction	NONE
Maintenance / Cleaning	NONE
Use	NONE
Decommission / Demolition	NONE

Rev	Date	Description	By	Chkd	App'd
P02	24/11/17	FIRST ISSUE	SB	ST	PH

Suitability	Drawing Status
S3	FIT FOR REVIEW AND COMMENT
Designer	Client

Project Title				
A30 CHIVERTON TO CARLAND CROSS				
Drawing Title				
FIGURE 9.2- PUBLISHED GEOLOGY SHEET 3 OF 4				
Scale	Designed / Drawn	Checked	Approved	Authorised
1:10,000	SB	ST	PH	IM
Original Size	Date	Date	Date	Date
A3	24/11/17	24/11/17	24/11/17	24/11/17
Drawing Number	Project	Originator	Volume	Revision
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Location	Type	Role	Number	





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LEGEND	
	PROPOSED ROUTE ALIGNMENT
	ATTENUATION POND (HE)
	ATTENUATION POND (CORNWALL COUNCIL)
	GEOLOGY AND SOILS STUDY AREA
	ARTIFICIAL GROUND
	CONSTRUCTION COMPOUND SITES
LINEAR	
	FAULT
	MINERAL_VEIN
SUPERFICIAL	
	ALLUVIUM
	HEAD
BEDROCK	
	TRENDREAN MUDSTONE FORMATION
	GRAMPOUND FORMATION
	UNNAMED DYKE

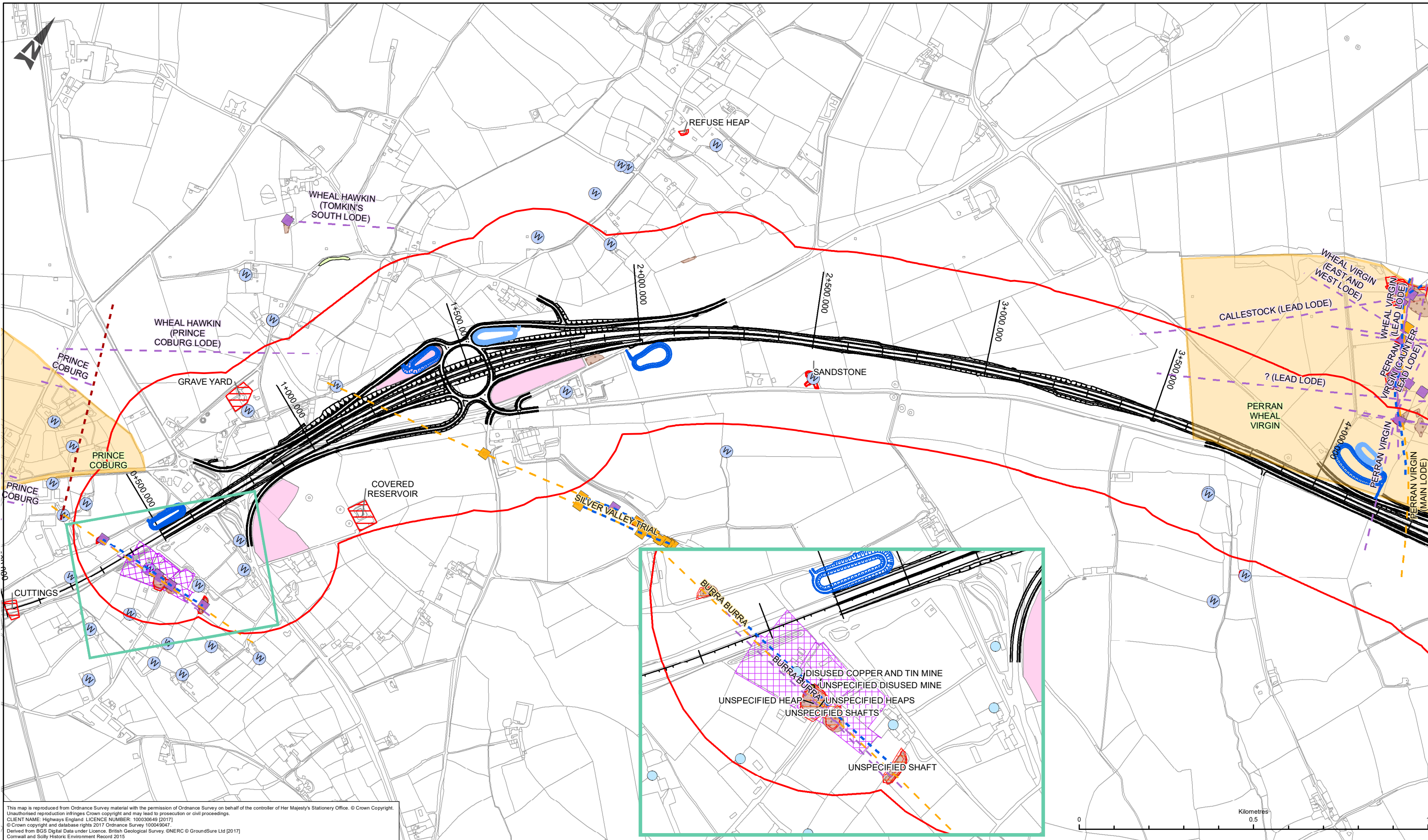
SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)	
Construction	NONE
Maintenance / Cleaning	NONE
Use	NONE
Decommission / Demolition	NONE

Rev	Date	Description	By	Chkd	App'd
P02	24/11/17	FIRST ISSUE	SB	ST	PH

Suitability	Drawing Status
S3	FIT FOR REVIEW AND COMMENT
Designer	
Client	

Project Title						A30 CHIVERTON TO CARLAND CROSS					
Drawing Title						FIGURE 9.2- PUBLISHED GEOLOGY SHEET 4 OF 4					
Scale	Designed / Drawn	Checked	Approved	Authorised							
1:10,000	SB	ST	PH	IM							
Original Size	Date	Date	Date	Date							
A3	24/11/17	24/11/17	24/11/17	24/11/17							
Drawing Number	Project	Originator	Volume	Revision							
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Location	Type	Role	Number								





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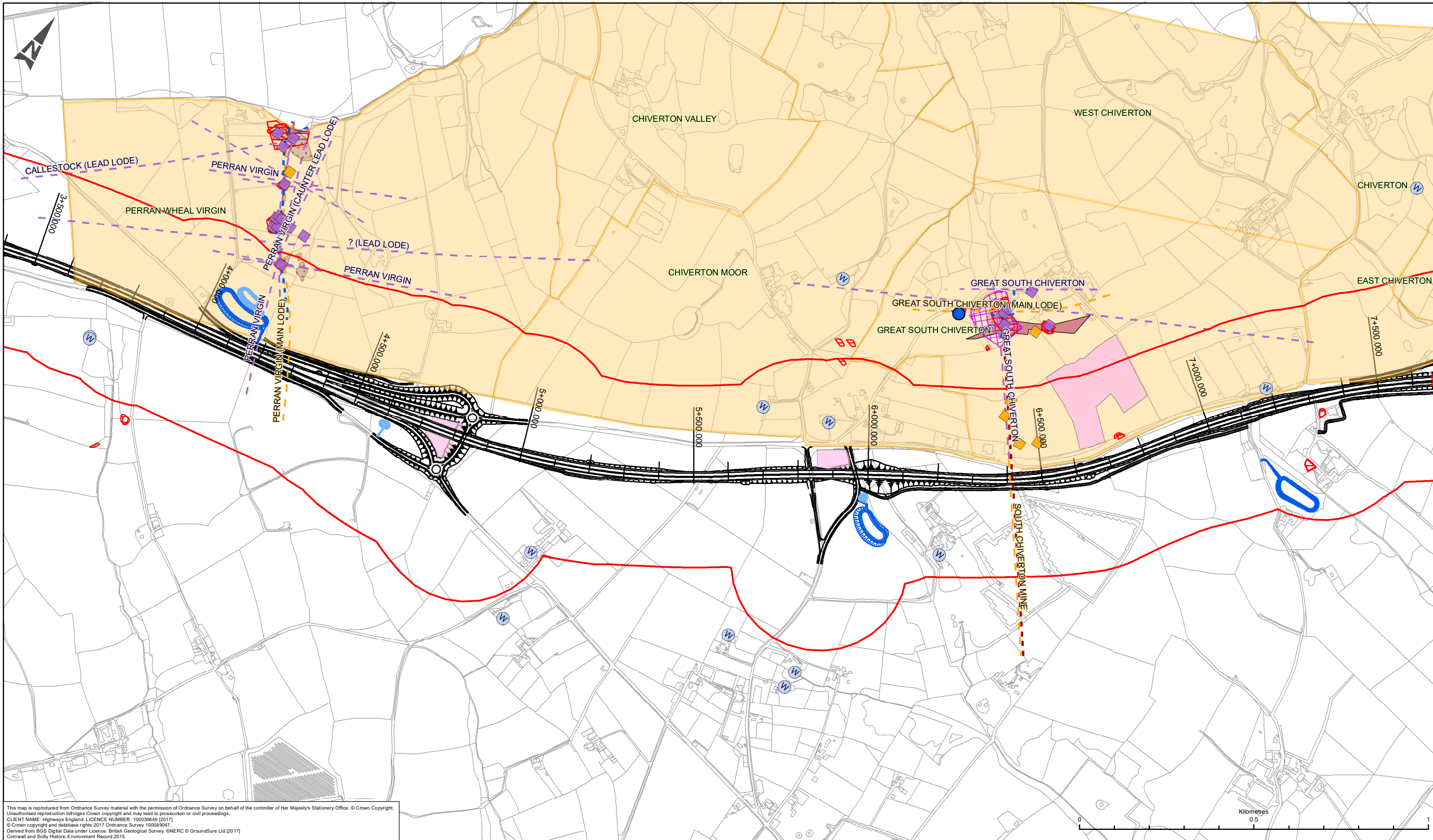
LEGEND		(CC - Cornwall Consultants Mining Review Data, BGS - BGS Mining Information, HER - Historic England Data)	
— PROPOSED ROUTE ALIGNMENT	— SUSPECTED LODES (CC)	▨ QUARRIES (CC)	▨ MINE WASTE (CC)
— ATTENUATION POND (HE)	■ RECORDED SHAFTS (CC)	▨ SURFACE WORKINGS (CC)	▨ SURFACE GROUND WORKINGS (BGS)
— ATTENUATION POND (CORNWALL COUNCIL)	■ SUSPECTED SHAFTS (CC)	▨ UNDERGROUND WORKINGS (BGS)	▨ UNDERGROUND WORKINGS (BGS)
— ADITS (CC)	⊙ WELL OR SPRING (CC)	▨ MINING SETT BOUNDARIES (HER)	
— GEOLOGICAL FAULTS (CC)	▭ GEOLOGY AND SOILS STUDY AREA	▭ CONSTRUCTION COMPOUND SITES	
— RECORDED LODES (CC)			

*In addition to the CC and BGS data, the HER data has also been reviewed. The HER data has been removed to make the plan less cluttered and there are no additional mining features not already presented by the CC and BGS data*

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION			
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)			
Construction	NONE		
Maintenance / Cleaning	NONE		
Use	NONE		
Decommission / Demolition	NONE		
Rev	Date	Description	By
P02	17/11/17	FIRST ISSUE	SB ST PH
			SB ST PH

Suitability S3	Drawing Status FIT FOR REVIEW AND COMMENT	Project Title A30 CHIVERTON TO CARLAND CROSS
		Drawing Title <b>FIGURE 9.3- MINING AND MINERAL RESOURCES FEATURES PLAN</b> SHEET 1 OF 4
Client 	Scale 1:10,000	Designed / Drawn SB
	Checked ST	Approved PH
Original Size A3	Date 17/11/17	Date 17/11/17
Drawing Number HA551502-ARP-EGT-SW-DR-LE-000005	Originator Volume Number	Authorised IM
Location Type Role	Number	Revision P02





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LEGEND		(CC - Cornwall Consultants Mining Review Data, BGS - BGS Mining Information, HER - Historic England Data.)	
— PROPOSED ROUTE ALIGNMENT	— SUSPECTED LODES (CC)	— CONSTRUCTION COMPOUND SITES	— MINING SETT BOUNDARIES (HER)
— ATTENUATION POND (CORNWALL COUNCIL)	— RECORDED SHAFTS (CC)	— QUARRIES (CC)	
— ATTENUATION POND (HE)	— SUSPECTED SHAFTS (CC)	— MINE WASTE (CC)	
— ADITS (CC)	— WELL OR SPRING (CC)	— UNDERGROUND WORKINGS (CC)	
— GEOLOGICAL FAULTS (CC)	— ADIT PORTAL (CC)	— SURFACE GROUND WORKINGS (BGS)	
— RECORDED LODES (CC)	— GEOLOGY AND SOILS STUDY AREA	— UNDERGROUND WORKINGS (BGS)	

*In addition to the CC and BGS data, the HER data has also been reviewed. The HER data has been removed to make the plan less cluttered and there are no additional mining features not already presented by the CC and BGS data*

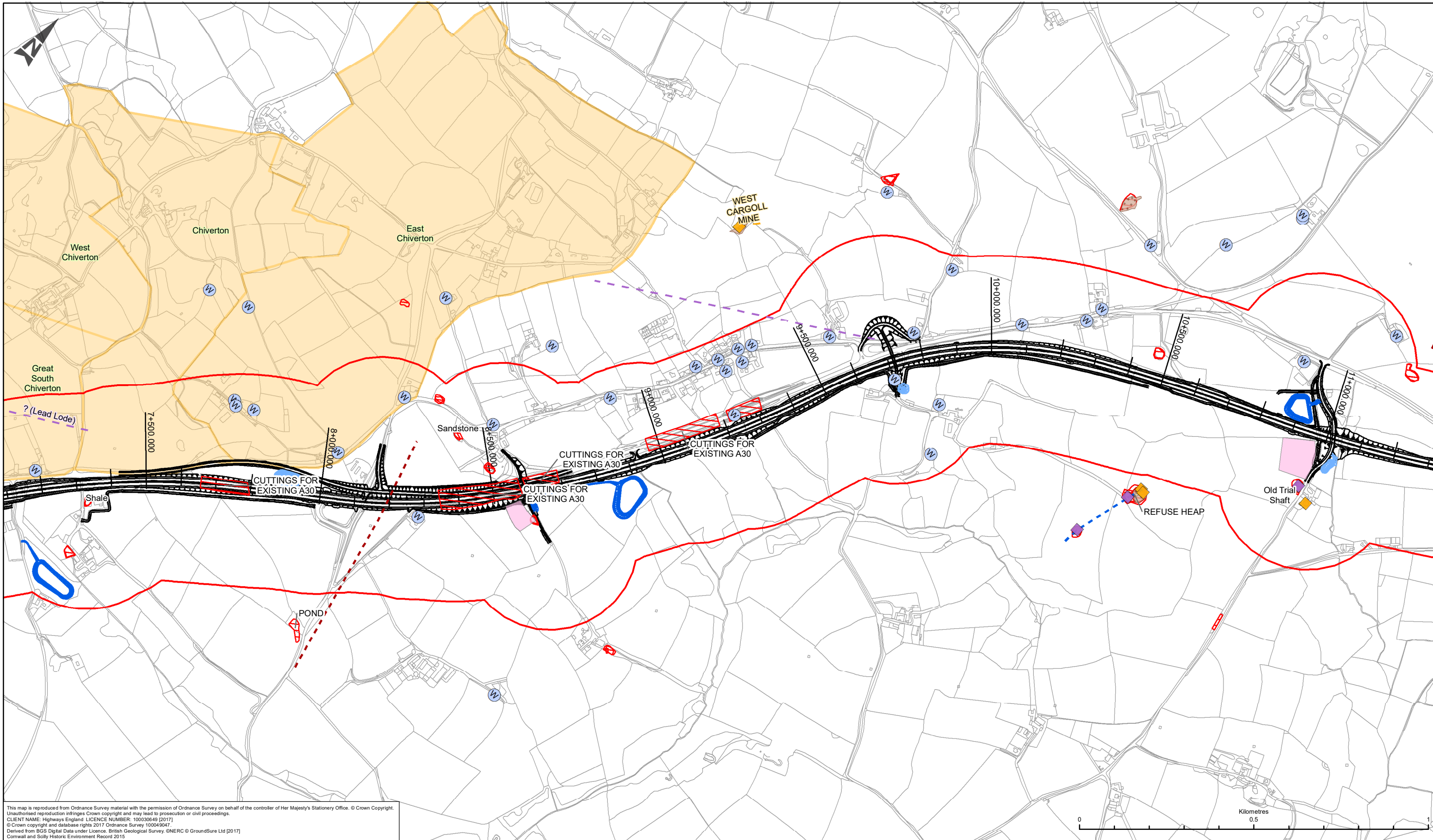
SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
Construction	NONE
Maintenance / Cleaning	NONE
Use	NONE
Decommission / Demolition	NONE

Rev	Date	Description	By	Chkd	App'd
P02	24/11/17	FIRST ISSUE	SB	ST	PH

Suitability: S3  
 Drawing Status: FIT FOR REVIEW AND COMMENT  
 Designer: ARUP  
 Client: highways england  
 European Union European Regional Development Fund

Project Title		A30 CHIVERTON TO CARLAND CROSS			
Drawing Title: FIGURE 9.3- MINING AND MINERAL RESOURCES FEATURES PLAN SHEET 2 OF 4					
Scale: 1:10,000	Designed / Drawn: SB	Checked: ST	Approved: PH	Authorised: IM	
Original Size: A3	Date: 24/11/17	Date: 24/11/17	Date: 24/11/17	Date: 24/11/17	
Drawing Number: Project	Originator: HA551502-ARP-EGT-SW-DR-LE-000006	Volume:	Revision: P02		
Location:	Type:	Role:	Number:		








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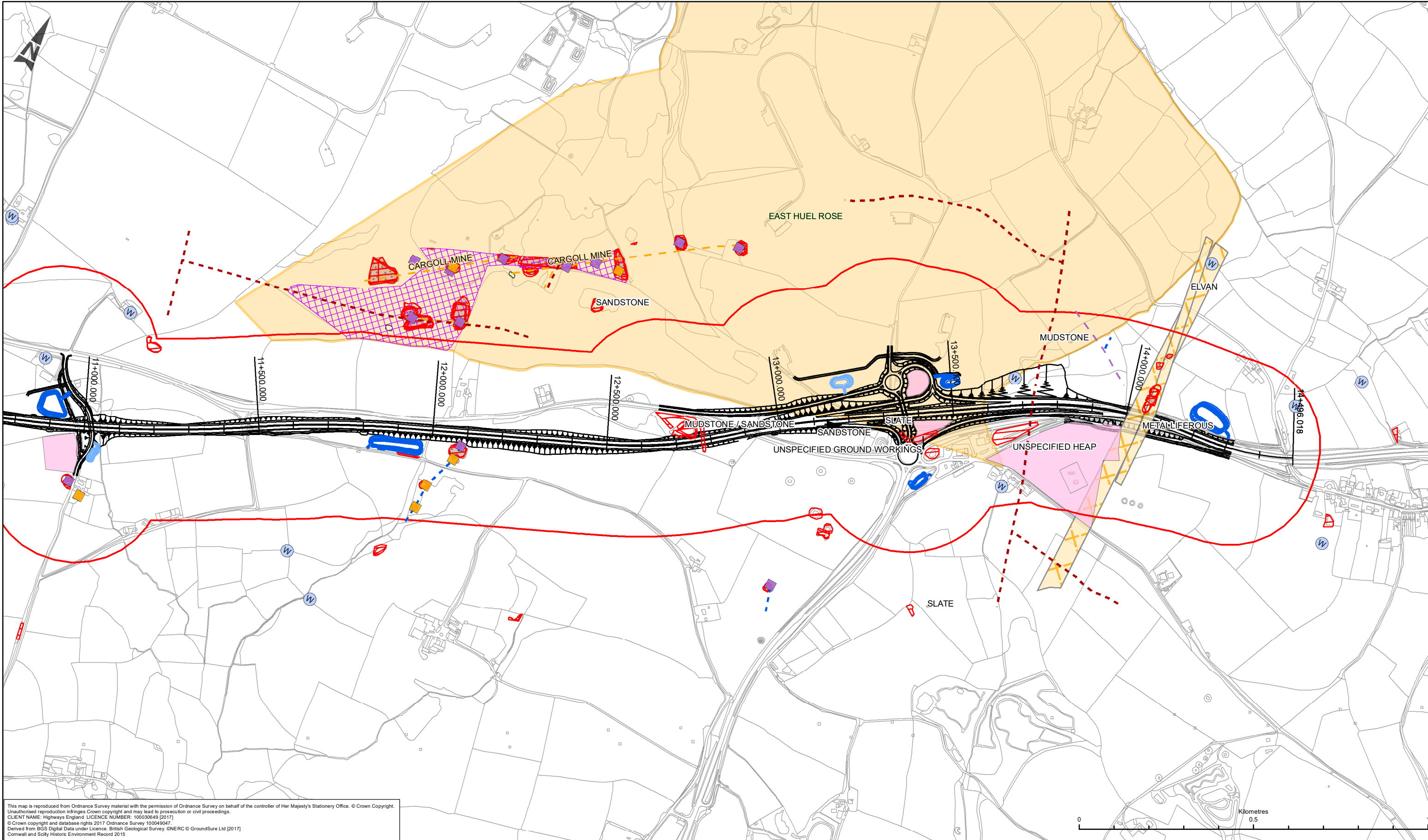
LEGEND	
— PROPOSED ROUTE ALIGNMENT	— RECORDED LODES (CC)
— ATTENUATION POND (HE)	— SUSPECTED LODES (CC)
— ATTENUATION POND (CORNWALL COUNCIL)	— RECORDED SHAFTS (CC)
— GEOLOGICAL FAULTS (CC)	— SUSPECTED SHAFTS (CC)
— ADITS (CC)	— WELL OR SPRING (CC)
— GEOLOGY AND SOILS STUDY AREA	— CONSTRUCTION COMPOUND SITES
— QUARRIES (CC)	— MINE WASTE (CC)
— SURFACE WORKINGS (CC)	— SURFACE GROUND WORKINGS (BGS)
— UNDERGROUND WORKINGS (BGS)	— MINING SETT BOUNDARIES (HER)

*In addition to the CC and BGS data, the HER data has also been reviewed. The HER data has been removed to make the plan less cluttered and there are no additional mining features not already presented by the CC and BGS data*

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION			
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)			
Construction	NONE		
Maintenance / Cleaning	NONE		
Use	NONE		
Decommission / Demolition	NONE		
Rev	Date	Description	App'd
P02	24/11/17	FIRST ISSUE	SB ST PH

Suitability S3	Drawing Status FIT FOR REVIEW AND COMMENT	Project Title A30 CHIVERTON TO CARLAND CROSS
		Drawing Title <b>FIGURE 9.3- MINING AND MINERAL RESOURCES FEATURES PLAN</b> SHEET 3 OF 4
Scale 1:10,000	Designed / Drawn SB	Checked ST
Original Size A3	Date 24/11/17	Date 24/11/17
Client 	Originator HA551502-ARP-EGT-SW-DR-LE-000007	Volume P02
	Authorised IM	Revision





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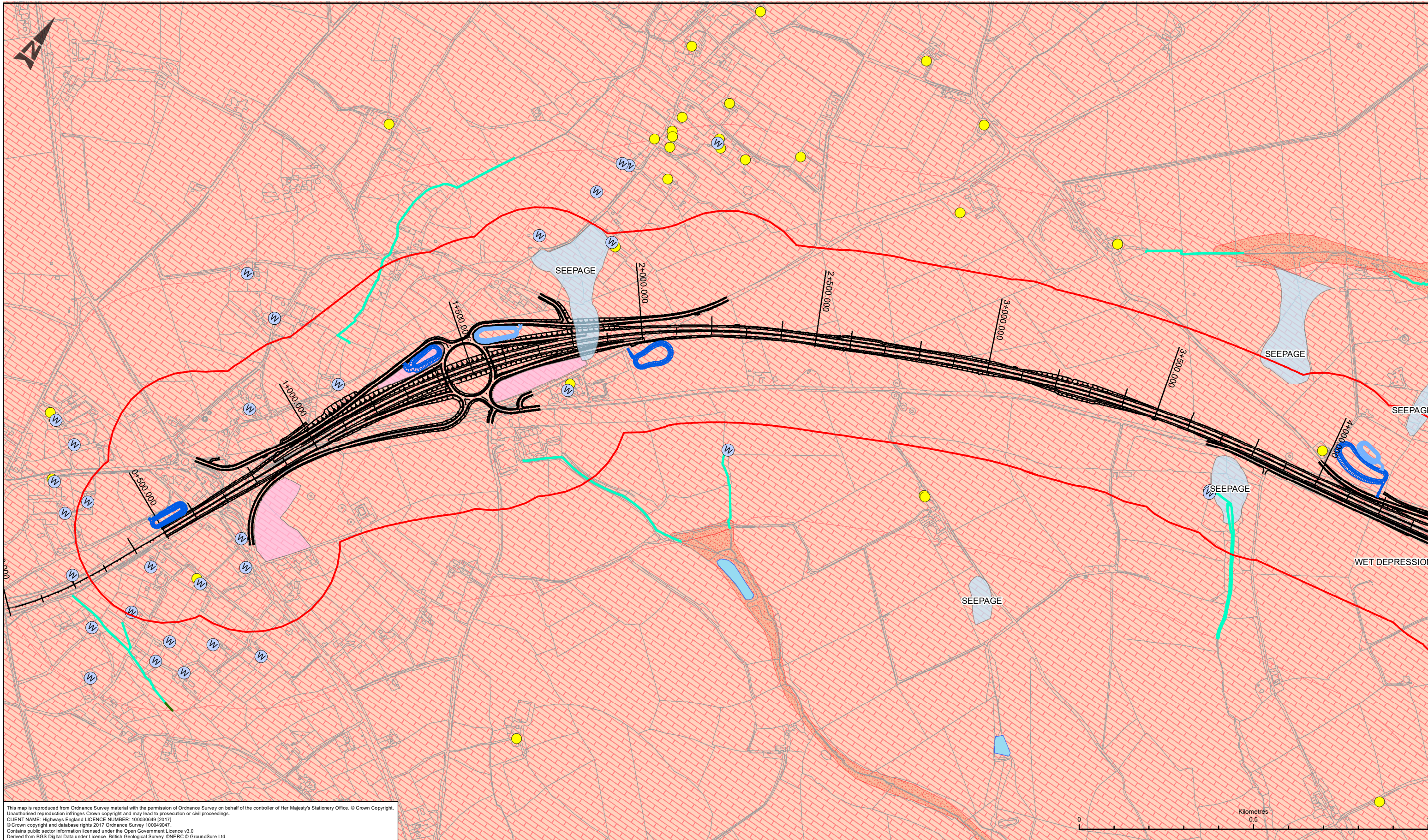
LEGEND		(CC - Cornwall Consultants Mining Review Data. BGS - BGS Mining Information. HER - Historic England Data.)	
— PROPOSED ROUTE ALIGNMENT	— SUSPECTED LODES (CC)	■ CONSTRUCTION COMPOUND SITES	■ MINING SETT BOUNDARIES (HER)
— ATTENUATION POND (HE)	■ RECORDED SHAFTS (CC)	■ QUARRIES (CC)	
— ATTENUATION POND (CORNWALL COUNCIL)	■ SUSPECTED SHAFTS (CC)	■ MINE WASTE (CC)	
— GEOLOGICAL FAULTS (CC)	⊙ WELL OR SPRING (CC)	■ SURFACE WORKINGS (CC)	
— ADITS (CC)	⊙ ELVANS (CC)	■ SURFACE GROUND WORKINGS (BGS)	
— RECORDED LODES (CC)	■ GEOLOGY AND SOILS STUDY AREA	■ UNDERGROUND WORKINGS (BGS)	

*In addition to the CC and BGS data, the HER data has also been reviewed. The HER data has been removed to make the plan less cluttered and there are no additional mining features not already presented by the CC and BGS data*

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION			
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)			
Construction	NONE		
Maintenance / Cleaning	NONE		
Use	NONE		
Decommission / Demolition	NONE		
Rev	Date	Description	By
P02	24/11/17	FIRST ISSUE	SB ST PH

Suitability S3	Drawing Status FIT FOR REVIEW AND COMMENT	Project Title A30 CHIVERTON TO CARLAND CROSS
		Drawing Title <b>FIGURE 9.3- MINING AND MINERAL RESOURCES FEATURES PLAN SHEET 4 OF 4</b>
Scale 1:10,000	Designed / Drawn SB	Checked ST
Original Size A3	Date 24/11/17	Date 24/11/17
Approved PH	Date 24/11/17	Authorised IM
		Drawing Number HA551502-ARP-EGT-SW-DR-LE-000008
		Project Originator Volume P02





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LEGEND			
— PROPOSED ROUTE ALIGNMENT	— INTERPRETED HYDROLOGICAL FEATURE	■ SPZ OUTER CATCHMENT	■ SECONDARY (A) BEDROCK AQUIFER
— ATTENUATION POND (HE)	⊙ WELL OR SPRING	■ SPZ INNER CATCHMENT	
— ATTENUATION POND (CORNWALL COUNCIL)	● PRIVATE WATER SUPPLIES	■ PONDS	
— SECONDARY RIVER	■ GEOLOGY AND SOILS STUDY AREA	■ CONSTRUCTION COMPOUND SITES	
— TERTIARY RIVER	■ INTERPRETED HYDROLOGICAL FEATURE	■ SECONDARY (A) SUPERFICIAL AQUIFER - PERMEABLE LAYERS	
— CULVERT			

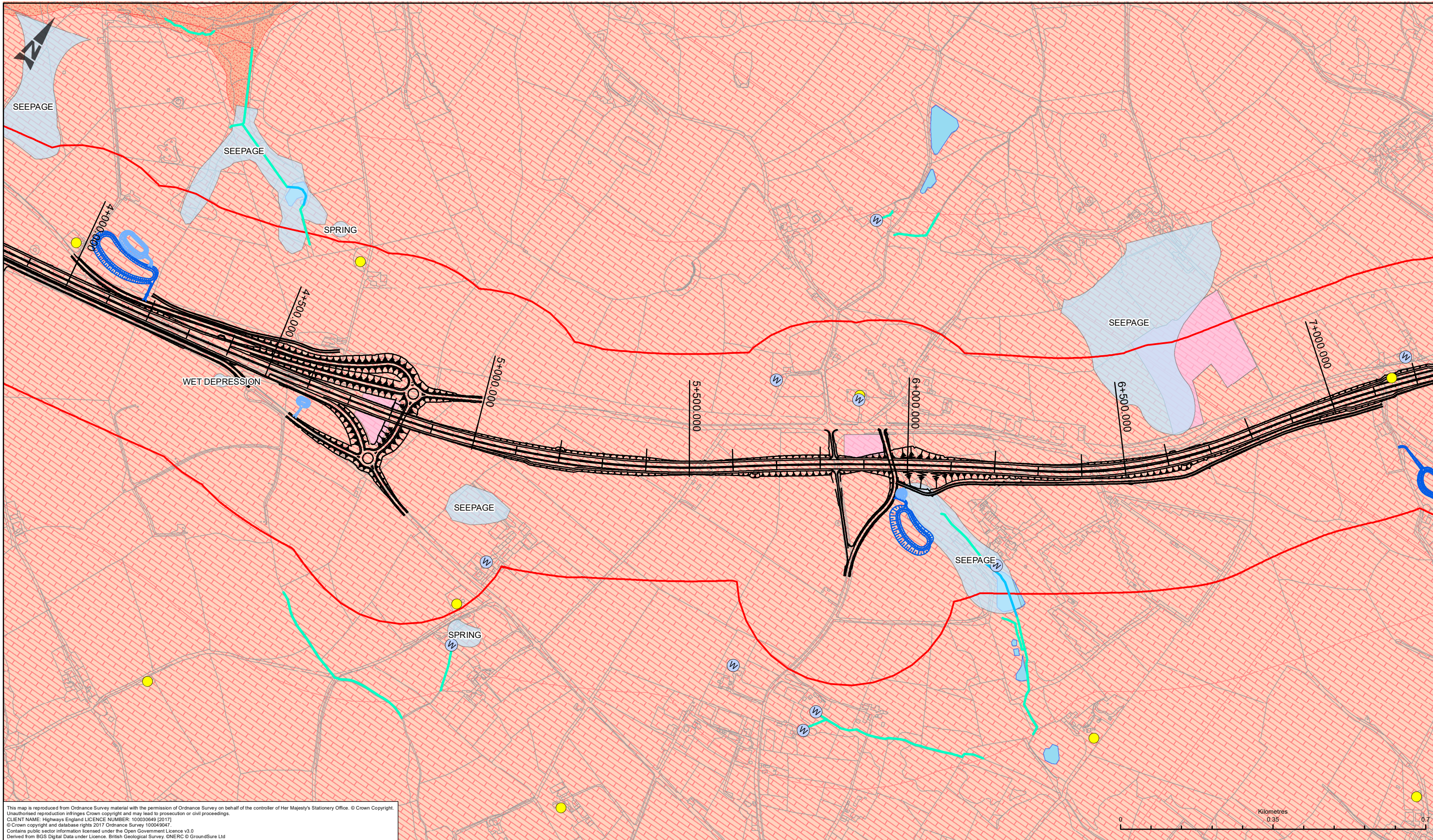
SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION			
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)			
Construction	NONE		
Maintenance / Cleaning	NONE		
Use	NONE		
Decommission / Demolition	NONE		

Rev	Date	Description	By	Chkd	App'd
P02	24/11/17	FIRST ISSUE	SB	ST	PH

Suitability: S3  
 Drawing Status: FIT FOR REVIEW AND COMMENT  
 Designer: ARUP  
 Client: highways england  
 European Union European Regional Development Fund

Project Title: A30 CHIVERTON TO CARLAND CROSS					
Drawing Title: FIGURE 9.4- HYDROLOGY AND HYDROGEOLOGY FEATURES PLAN SHEET 1 OF 4					
Scale: 1:10,000	Designed / Drawn: SB	Checked: ST	Approved: PH	Authorised: IM	
Original Size: A3	Date: 24/11/17	Date: 24/11/17	Date: 24/11/17	Date: 24/11/17	
Drawing Number: Project	Originator: HA551502-ARP-EGT-SW-DR-LE-000013	Volume:	Revision: P02		
Location:	Type:	Role:	Number:		





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LEGEND	
	PROPOSED ROUTE ALIGNMENT
	ATTENUATION POND (CORNWALL COUNCIL)
	ATTENUATION POND (HE)
	SECONDARY RIVER
	TERTIARY RIVER
	WELL OR SPRING
	PRIVATE WATER SUPPLIES
	GEOLOGY AND SOILS STUDY AREA
	INTERPRETED HYDROLOGICAL FEATURE
	PONDS
	CONSTRUCTION COMPOUND SITES
	SECONDARY (A) SUPERFICIAL AQUIFER - PERMEABLE LAYERS
	SECONDARY (A) BEDROCK AQUIFER

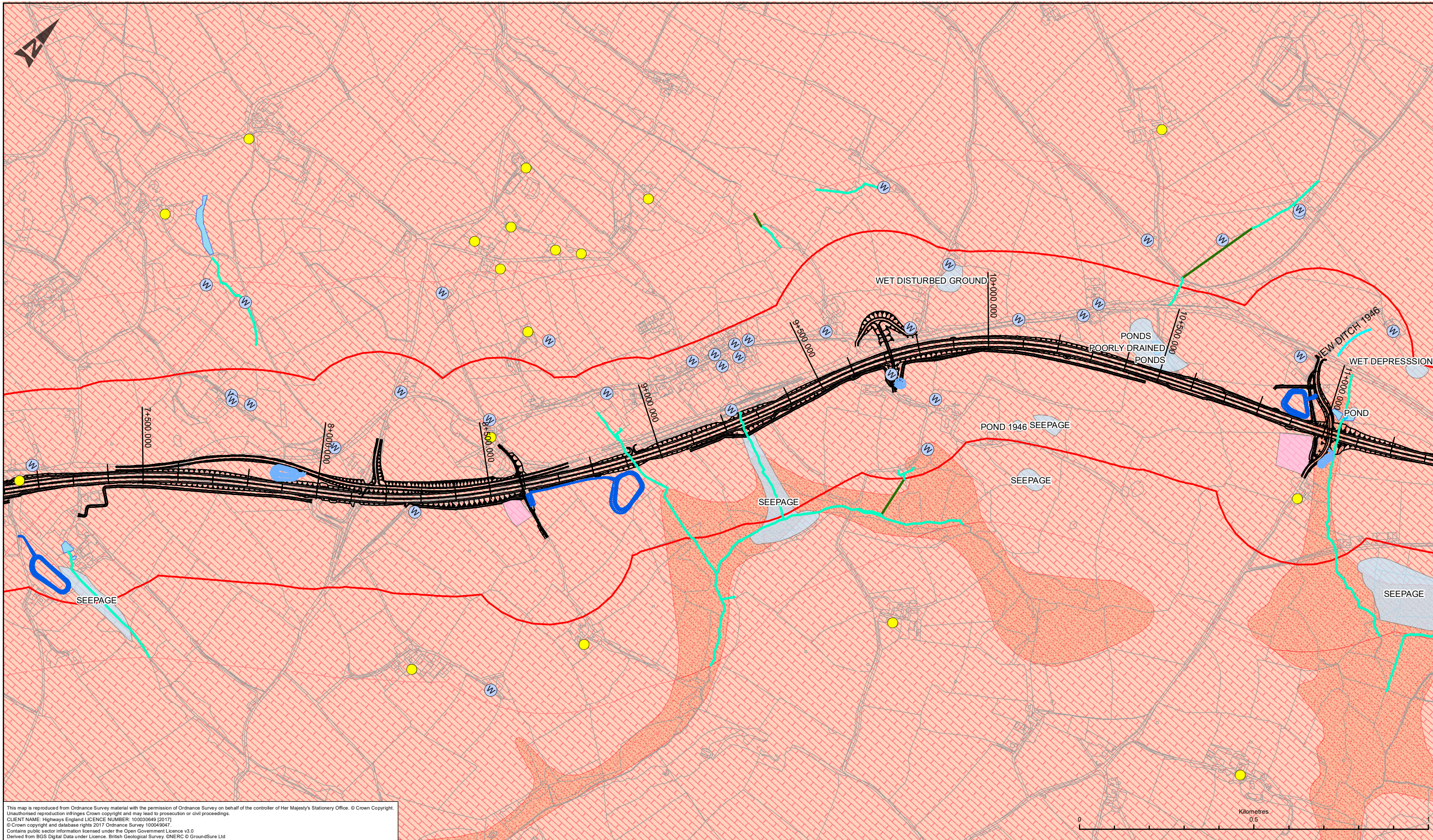
SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)	
Construction	NONE
Maintenance / Cleaning	NONE
Use	NONE
Decommission / Demolition	NONE

Rev	Date	Description	By	Chkd	App'd
P02	24/11/17	FIRST ISSUE	SB	ST	PH

Suitability: S3  
 Drawing Status: FIT FOR REVIEW AND COMMENT  
 Designer: ARUP  
 Client: highways england  
 European Union European Regional Development Fund

Project Title		Drawing Title			
A30 CHIVERTON TO CARLAND CROSS		FIGURE 9.4- HYDROLOGY AND HYDROGEOLOGY FEATURES PLAN SHEET 2 OF 4			
Scale	Designed / Drawn	Checked	Approved	Authorised	
1:8,000	SB	ST	PH	IM	
Original Size	Date	Date	Date	Date	Date
A3	24/11/17	24/11/17	24/11/17	24/11/17	24/11/17
Drawing Number	Project	Originator	Volume	Revision	
	HA551502-ARP-EGT-SW-DR-LE-000014			P02	
Location	Type	Role	Number		





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LEGEND			
	PROPOSED ROUTE ALIGNMENT		INTERPRETED HYDROLOGICAL FEATURE
	ATTENUATION POND (HE)		WELL OR SPRING
	ATTENUATION POND (CORNWALL COUNCIL)		PRIVATE WATER SUPPLIES
	SECONDARY RIVER		GEOLOGY AND SOILS STUDY AREA
	TERTIARY RIVER		INTERPRETED HYDROLOGICAL FEATURE
	CULVERT		SPZ OUTER CATCHMENT
			SPZ INNER CATCHMENT
			PONDS
			CONSTRUCTION COMPOUND SITES
			SECONDARY (A) SUPERFICIAL AQUIFER - PERMEABLE LAYERS
			SECONDARY (A) BEDROCK AQUIFER

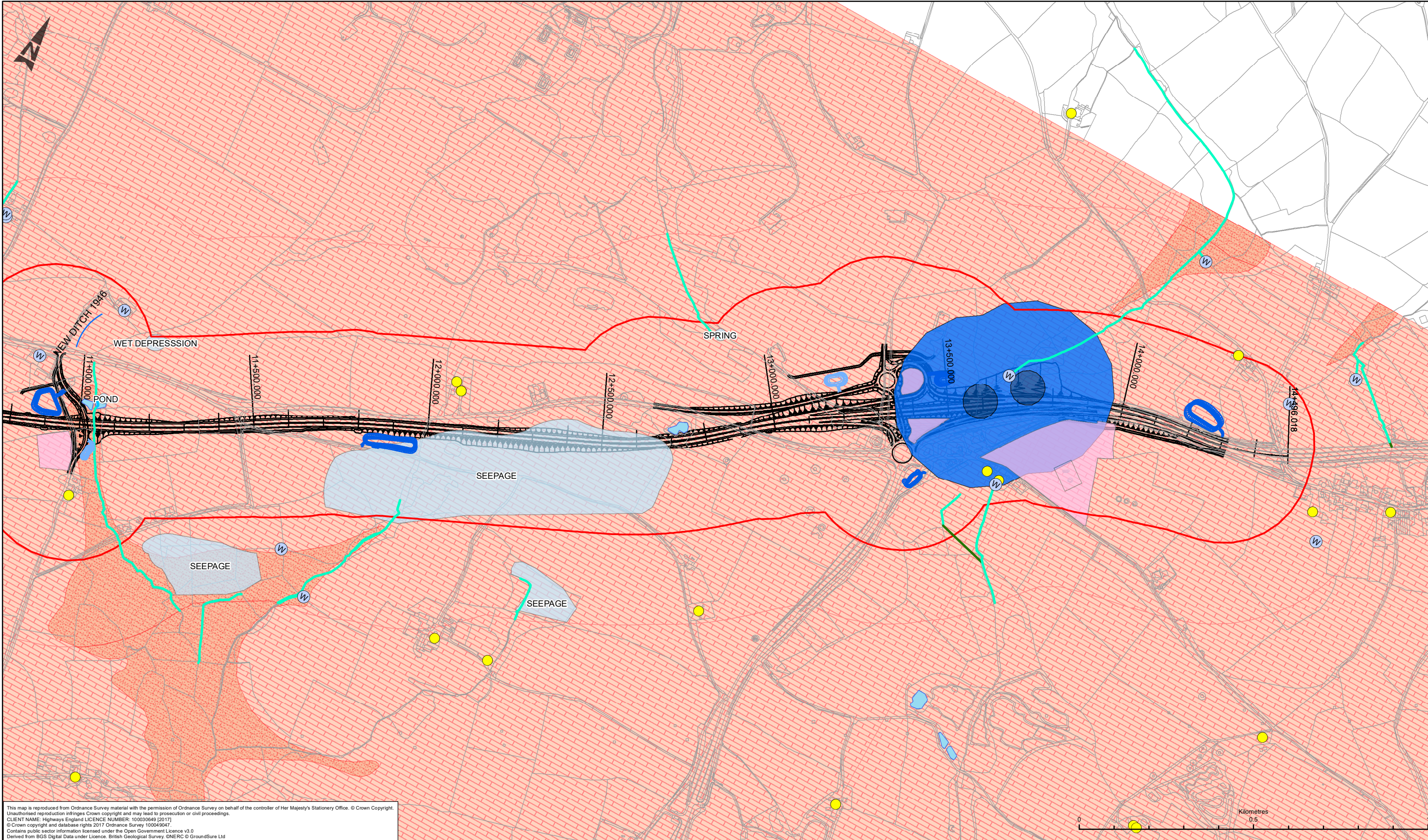
SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION			
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)			
Construction	NONE		
Maintenance / Cleaning	NONE		
Use	NONE		
Decommission / Demolition	NONE		

Rev	Date	Description	By	Chkd	App'd
P02	24/11/17	FIRST ISSUE	SB	ST	PH

Suitability: S3  
 Drawing Status: FIT FOR REVIEW AND COMMENT  
 Designer: ARUP  
 Client: highways england  
 European Union European Regional Development Fund

Project Title					
A30 CHIVERTON TO CARLAND CROSS					
Drawing Title					
FIGURE 9.4- HYDROLOGY AND HYDROGEOLOGY FEATURES PLAN SHEET 3 OF 4					
Scale	Designed / Drawn	Checked	Approved	Authorised	
1:10,000	SB	ST	PH	IM	
Original Size	Date	Date	Date	Date	Date
A3	24/11/17	24/11/17	24/11/17	24/11/17	24/11/17
Drawing Number	Project	Originator	Volume	Revision	
HA551502-ARP-EGT-SW-DR-LE-000015				P02	
Location	Type	Role	Number		





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LEGEND	
— PROPOSED ROUTE ALIGNMENT	— INTERPRETED HYDROLOGICAL FEATURE
— ATTENUATION POND (HE)	⊙ WELL OR SPRING
— ATTENUATION POND (CORNWALL COUNCIL)	● PRIVATE WATER SUPPLIES
— SECONDARY RIVER	▭ GEOLOGY AND SOILS STUDY AREA
— TERTIARY RIVER	▭ INTERPRETED HYDROLOGICAL FEATURE
— CULVERT	▭ SPZ OUTER CATCHMENT
	▭ SPZ INNER CATCHMENT
	▭ PONDS
	▭ CONSTRUCTION COMPOUND SITES
	▭ SECONDARY (A) SUPERFICIAL AQUIFER - PERMEABLE LAYERS
	▭ SECONDARY (A) BEDROCK AQUIFER

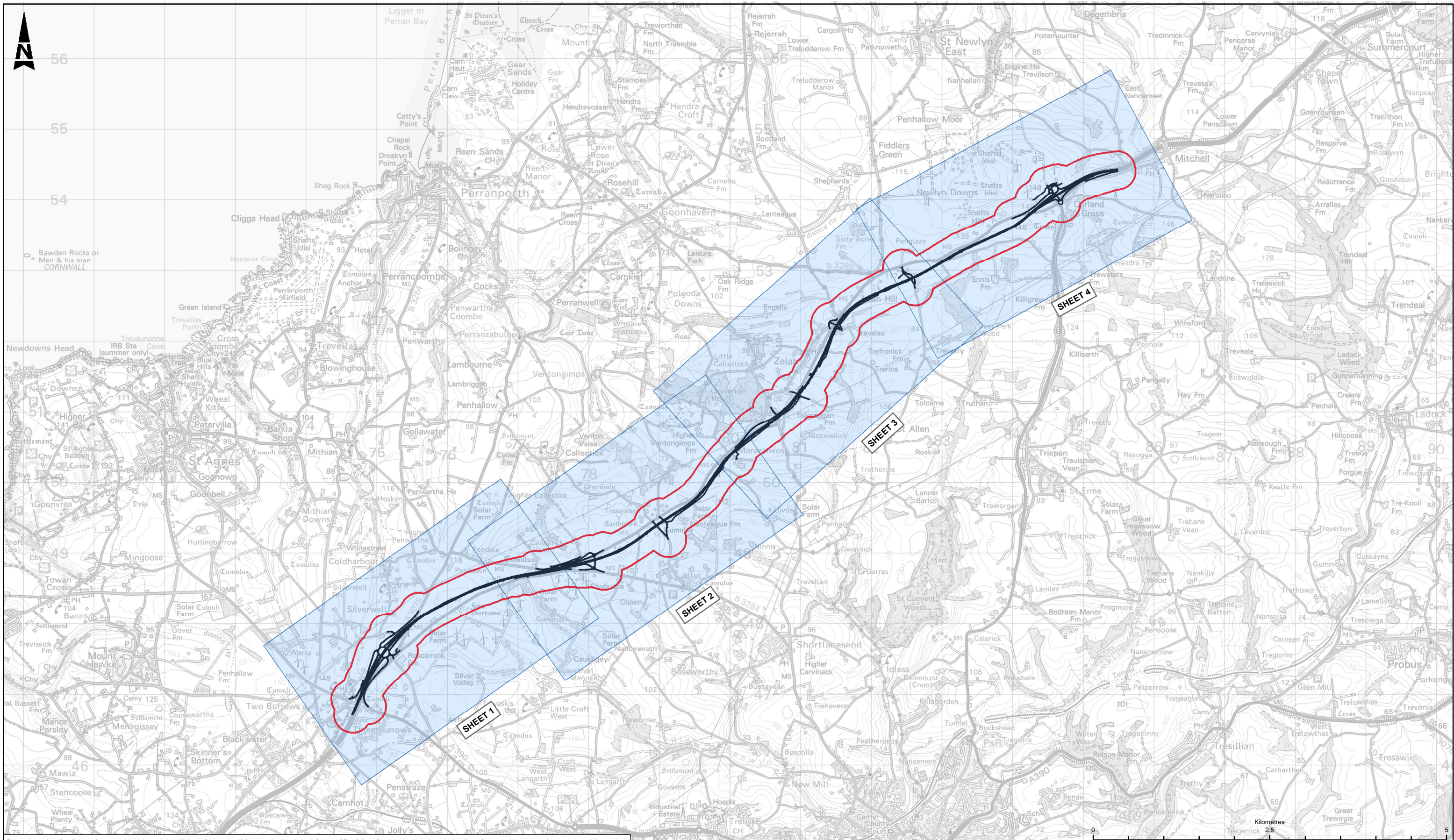
SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)	
Construction	NONE
Maintenance / Cleaning	NONE
Use	NONE
Decommission / Demolition	NONE

Rev	Date	Description	By	Chkd	App'd
P02	24/11/17	FIRST ISSUE	SB	ST	IM

Suitability: S3  
 Drawing Status: FIT FOR REVIEW AND COMMENT  
 Designer: ARUP  
 Client: highways england  
 European Union European Regional Development Fund

Project Title		Drawing Title	
A30 CHIVERTON TO CARLAND CROSS		FIGURE 9.4- HYDROLOGY AND HYDROGEOLOGY FEATURES PLAN SHEET 4 OF 4	
Scale	Designed / Drawn	Checked	Approved
1:10,000	SB	ST	PH
Original Size	Date	Date	Date
A3	24/11/17	24/11/17	24/11/17
Drawing Number	Project	Originator	Volume
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Location	Type	Role	Number





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- LEGEND**
- PROPOSED ROUTE ALIGNMENT
  - SHEET EXTENT
  - GEOLOGY AND SOILS STUDY AREA

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION**

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)

<b>Construction</b>	NONE
<b>Maintenance / Cleaning</b>	NONE
<b>Use</b>	NONE
<b>Decommission / Demolition</b>	NONE

Suitability	Drawing Status	Project Title																			
S3	FIT FOR REVIEW AND COMMENT	A30 CHIVERTON TO CARLAND CROSS																			
Designer																					
Client																					
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Scale	Designed / Drawn	Checked	Approved	Authorised																	
1:50,000	AH	ST	PH	IM																	
Original Size	Date	Date	Date	Date																	
A3	24/11/17	24/11/17	24/11/17	24/11/17																	
<table border="1"> <tr> <th>Drawing Number</th> <th>Project</th> <th>Originator</th> <th>Volume</th> <th>Revision</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	Drawing Number	Project	Originator	Volume	Revision						<table border="1"> <tr> <th>Location</th> <th>Type</th> <th>Role</th> <th>Number</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>	Location	Type	Role	Number						
Drawing Number	Project	Originator	Volume	Revision																	
Location	Type	Role	Number																		
