

High Speed Rail (West Midlands - Crewe)
Supplementary Environmental Statement 2 and
Additional Provision 2 Environmental Statement

Volume 2: Map book

CA3: Stone and Swynnerton

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Department for Transport

High Speed Two (HS2) Limited has been tasked by the Department for Transport (DfT) with managing the delivery of a new national high speed rail network. It is a non-departmental public body wholly owned by the DfT.

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A report prepared for High Speed Two (HS2) Limited:



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Map series name	Map series description
CT-05 – Construction Phase	These plans show the land potentially required during construction, the construction features, access requirements and infrastructure associated with construction of the Proposed Scheme. The plans also show the construction phase arrangements for public access using Public Rights of Way. The base mapping shown on the plans is reflective of 2017 Ordnance Survey (OS) data.
CT-06 – Proposed Scheme	These maps show permanent features, infrastructure, restored land, and areas for landscaping, screening and ecological mitigation associated with the Proposed Scheme. The base mapping shown on the plans is reflective of 2017 Ordnance Survey (OS) data.
LV-03 – Construction Phase Significantly Affected Viewpoints	Maps showing the viewpoint locations from which the Proposed Scheme has been assessed to give rise to significant effects during the construction phase. (All significant and non-significant photomontage locations are shown).
LV-04 – Operational Phase Significantly Affected Viewpoints	Maps showing the viewpoint locations from which the Proposed Scheme has been assessed to give rise to significant effects during the operational phase. (All significant and non-significant photomontage locations are shown).
SV-05 – Operational Noise and Vibration Impacts and Likely Significant Effects	SV-05 presents the direct operational noise impacts and likely significant effects of the scheme. The SV-05 figure series necessarily contains a large amount of information relating to the operational noise and vibration assessment. It is designed to communicate visually the assessment process from the prediction of impacts to the determination of likely residual significant effects. The corresponding text is included in Vol2.

Mapping explanatory notes

Structure of the HS2 Phase 2a Supplementary Environmental Statement 2 and the Additional Provision 2 Environmental Statement

This map book is part of the suite of documents that make up the Supplementary Environmental Statement 2 (SES2) and the Additional Provision Environmental Statement 2 (AP2 ES) for Phase 2a of the proposed High Speed Two (HS2) rail network between the West Midlands and Crewe.

The SES2 and the AP2 ES are separate documents. However, they are bound together and presented in a number of volumes as described below:

- Non-technical summary (NTS). This provides a summary in non-technical language of the SES2 (Part 1) and the AP2 ES (Part 2). It presents a summary of any likely residual significant environmental effects (i.e. effects that are likely to remain after mitigation measures are put in place), both beneficial and adverse, which are new or different to those reported in the Environmental Statement (ES) submitted to Parliament in July 2017 in support of the hybrid Bill for Phase 2a of HS2 ('the main ES'), as amended by SES1 and, where relevant, AP1 ES;
- Glossary of terms and list of abbreviations. This contains any new or different terms and abbreviations used throughout the SES2 and the AP2 ES, which are not already explained in the main ES or SES1 and AP1 ES;
- Volume 1: Introduction to the SES2 and the AP2 ES. This introduces the supplementary environmental information and changes to the design and construction assumptions included within the SES2 and amendments within the AP2 ES. The report explains the environmental impact assessment (EIA) process that has been applied;
- Volume 2: Community area reports and map books. These report the supplementary environmental information and changes to the design and construction assumptions included within the SES2 (Part 1), amendments within the AP2 ES (Part 2) and any new or different likely significant environmental effects arising from these changes or assumptions and amendments in each community area. These effects are compared to those reported in the main ES, as amended by SES1 (and by SES2 for AP2). The AP1 amendments are also taken into account where relevant. The maps relevant to each community area are provided in separate Volume 2 map books and should be read in conjunction with the relevant community area report;
- Volume 3: Route-wide effects. This describes any new or different likely significant environmental effects arising at a route-wide level from the supplementary environmental information and changes to the design and construction assumptions included within the SES2 (Part 1) and the amendments within the AP2 ES (Part 2) compared to those reported in the main ES, as amended by SES1 (and by SES2 for the AP2 amendments). The AP1 amendments are also taken into account where relevant; and
- Volume 5: Appendices and map books. These contain supporting environmental information and associated maps.

A Volume 4: Off-route effects report was produced as part of the main ES. A separate Volume 4 has not been produced as part of the SES2 and AP2 ES. Any new or different significant effects arising from the AP2 amendments are reported in the most relevant Volume 2 community area report.

Certain reports and maps containing background information and data (BID) have been produced, which do not form part of the SES2 and AP2 ES. These documents are available online at www.gov.uk/hs2. The BID documents and maps present background survey information and other relevant background material.

Copyright statements

Copyright statements are presented in the Data dictionary and definitions section at the front of the map book, due to limited space to include this on the individual maps themselves.

Ordnance Survey data

All maps produced as part of the SES2 and the AP2 ES contain Ordnance Survey (OS) data. HS2 Ltd use the most up to date mapping available, where possible, supplied by the OS and as such, we cannot be held responsible for any inaccuracies within this data.

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Chainage

Most of the maps presented as part of the SES2 and the AP2 ES have a chainage value shown next to the alignment. Chainage is presented on the maps in black font, in the form of XX+YYY. E.g. 192+000 or 239+500.

Chainage (known as reference chainage) is referenced from Euston Station, which is 0+000, and the value presented is in metres. E.g. 192+000 refers to the point, 192,000m, or 192km, from Euston Station. Chainage values increase in intervals dependant on the map scale. For maps at 1:50,000 scale chainage is shown at 5km intervals. For maps at 1:25,000 scale chainage is shown at 2km intervals. For maps at 1:20,000, 1:10,000, 1:5,000 and 1:2,500 scales, chainage is shown at 1km intervals.

Chainage has been included on the maps as a useful tool for comparing different map sets showing the different environmental themes or engineering plans, due to map sets having different scales and therefore showing differing amounts of alignment on the map.

Map sheet layout

Each map in Volume 2 is presented twice, with the main ES map (published July 2017) on the left hand page, where relevant, and the SES2 and the AP2 ES map on the right. For the CT-05 and CT-06 map series, the SES2 and the AP2 ES map is annotated with different coloured clouds which highlight the areas of change. The coloured text box provides a brief description of the design change and amendment, and gives the SES2 and the AP2 ES reference number. Only maps which have been amended as a result of the SES2 and the AP2 ES are included within the map books. Other design changes which are within the existing limits of the Bill and do not result in new or different likely significant effects are also shown on the maps, but are not indicated by a cloud. The below table highlights the coloured clouds used, and their description.

Cloud / text box colour	Description
Blue	Design changes relating to the SES2 (Part 1 of each Volume 2 report).
Red	Proposed amendments relating to the AP2 ES (Part 2 of each Volume 2 report).
Grey	Proposed design changes and amendments relating to SES1 changes and AP1 amendments, provided for reference.

SES changes and AP amendments (now referred to as SES1 changes and AP1 amendments) were denoted in the SES and AP ES documents and maps as follows: SES-ooX-ooX or AP-ooX-ooX. In order to clearly distinguish between SES1 and SES2 changes and AP1 and AP2 amendments, references in the SES2 and AP2 ES documents and maps relating to SES1 changes and AP1 amendments are now denoted as follows: SES1-ooX-ooX or AP1-ooX-ooX.

Each Volume 5 map is annotated to describe the change to a receptor or significant effect, and to give the SES2 and the AP2 ES reference number. For more detailed information about the SES2 and the AP2 ES annotation, refer to the map series legend. Only maps which have been amended as a result of the SES2 and the AP2 ES are included within the map book.

Further details on the approach to mapping is set out in Section 6 of Volume 1 of the SES2 and AP2 ES.

Map orientation

The majority of the maps presented in these map books are presented with the railway alignment running horizontally across the page. The direction of travel to London would be following the alignment to the right hand side of the page, and Crewe to the left.

The exception to this, are map series LV-03 and LV-04 which present the alignment running from bottom to top of the page. This is to allow more of the modelled outputs to be shown at the appropriate map scale. In this instance, the direction of travel to London would be to the bottom of the page, and Crewe to the top.

Map books

In total there are 16 map books which make up the SES2 and the AP2 ES, spread across volumes 2 and 5. A list of the titles is provided below for reference.

Name
Volume 2: Map book – CA1: Fradley to Colton
Volume 2: Map book – CA2: Colwich to Yarlet
Volume 2: Map book – CA3: Stone and Swynnerton
Volume 2: Map book – CA4: Whitmore Heath to Madeley
Volume 2: Map book – CA5: South Cheshire
Volume 5: Map book – Agriculture, forestry and soils (AG-01, AG-02, AG-04)
Volume 5: Map book – Air quality (AQ-01)
Volume 5: Map book – Community (CM-01)
Volume 5: Map book – Committed developments (CT-13)
Volume 5: Map book – Cultural heritage (CH-01, CH-02, CH-03)
Volume 5: Map book – Ecology - designated sites (EC-01)
Volume 5: Map book – Landscape and visual (LV-00, LV-02, LV-07, LV-08)
Volume 5: Map book – Socio-economics (SE-01)
Volume 5: Map book – Sound, noise and vibration (SV-01, SV-02, SV-03, SV-04)
Volume 5: Map book – Traffic and transport (TR-03, TR-04, TR-08)
Volume 5: Map book – Water resources (WR-05, WR-06)

High Speed Rail (West Midlands - Crewe)

Supplementary Environmental Statement 2 and

Additional Provision 2 Environmental Statement

Data dictionary and definitions

Data dictionary and definitions

Legend features	Definition	Source	Copyright
1km Airborne sound study area	This defines the area within which operational airborne sound impacts of the scheme have been quantitatively assessed. This area is defined as within 1km of surface sections of the route in rural areas and within 500m of surface sections of the route in urban areas.	High Speed Two (HS2) Ltd	
5m contours	A contour line showing points of equal elevation (height) above a reference level, such as mean sea level and therefore gives indication of the topography, showing valleys and hills, and the steepness of slopes. Spaced at intervals of 5m.	High Speed Two (HS2) Ltd	
Area of Outstanding Natural Beauty (AONB)	An Area of Outstanding Natural Beauty (AONB) is an area of high scenic quality which has statutory protection in order to conserve and enhance the natural beauty of its landscape. AONB landscapes range from rugged coastline to water meadows to gentle lowland and upland moors. Natural England has a statutory power to designate land as Areas of Outstanding Natural Beauty under the Countryside and Rights of Way Act 2000.	Natural England	© Natural England copyright 2018
Balancing pond	The proposed location and extent of balancing ponds for drainage attenuation and infiltration. Outer boundary represents the perimeter.	High Speed Two (HS2) Ltd	
Borrow Pit	Area excavated to provide material for construction purposes.	High Speed Two (HS2) Ltd	
Chainage	<p>Chainage (known as reference chainage) is referenced from Euston Station, which is 0+000, and the value presented is in metres. E.g. 192+000 refers to the point, 192,000m, or 192km, from Euston Station. Chainage values increase in intervals dependant on the map scale. For maps at 1:50,000 scale chainage is shown at 5km intervals. For maps at 1:25,000 scale chainage is shown at 2km intervals. For maps at 1:10,000, 1:5,000 and 1:2,500 scale chainage is shown at 1km intervals.</p> <p>Chainage has been included on the maps as a useful tool for comparing different map sets showing the different environmental themes or engineering plans, due to map sets having different scales and therefore showing differing amounts of alignment on the map.</p>	High Speed Two (HS2) Ltd	
Committed developments – SV Only	<p>This informs the assessment of the future baseline.</p> <p>Committed consents are unimplemented but committed developments or Local Plan development allocations that are likely to be largely built out prior to commencement of the Proposed Scheme.</p> <p>Cumulative development is unimplemented but committed developments or Local Plan development allocations that are likely to be largely built out during implementation of the</p>	High Speed Two (HS2) Ltd	<p>© Crown copyright and database rights 2017 OS 100049190. You are permitted to use this data solely to enable you to respond to, or interact with, the organisation that provided you with the data. You are not permitted to copy, sub-license, distribute or sell any of this data to third parties in any form.</p>

Legend features	Definition	Source	Copyright
	Proposed Scheme and give rise to potential cumulative effects, when considered alongside the Proposed Scheme.		
Community area boundary	The Environmental Statement has been split into 5 sections called Community Areas.	High Speed Two (HS2) Ltd	© Crown copyright and database rights 2017 OS 100049190. You are permitted to use this data solely to enable you to respond to, or interact with, the organisation that provided you with the data. You are not permitted to copy, sub-liscence, distribute or sell any of this data to third parties in any form.
Construction compounds	See Main construction compound and Satellite construction compound.	High Speed Two (HS2) Ltd	
Construction traffic route	Public highways which may be used for HGV construction traffic.	High Speed Two (HS2) Ltd	
County boundary	County boundaries from Ordnance Survey boundary mapping.	Ordnance Survey	© Crown copyright and database rights 2017 OS 100049190. You are permitted to use this data solely to enable you to respond to, or interact with, the organisation that provided you with the data. You are not permitted to copy, sub-liscence, distribute or sell any of this data to third parties in any form.
Depot, station, headhouse or portal building	Extends to cover operational footprint of each depot and station and the footprint of each tunnel vent shaft and headhouse at surface level. Excludes any ancillary buildings associated with these structures.	High Speed Two (HS2) Ltd	
District/Borough boundary	Ordnance Survey local authority boundary mapping.	Ordnance Survey	© Crown copyright and database rights 2017 OS 100049190. You are permitted to use this data solely to enable you to respond to, or interact with, the organisation that provided you with the data. You are not permitted to copy, sub-liscence, distribute or sell any of this data to third parties in any form.
Ditches – new	The proposed location and extent of drainage ditches.	High Speed Two (HS2) Ltd	
Ecological mitigation pond	Ponds whose primary function is to provide ecological mitigation. This could be a standalone pond or part of a wider wetland habitat creation plan.	High Speed Two (HS2) Ltd	
Electricity substation	Includes all auto-transformers and feeder stations.	High Speed Two (HS2) Ltd	
Engineering earthworks	Engineering (structural) earthworks which include railway slopes and crossings (roads etc.).	High Speed Two (HS2) Ltd	
Engineering earthworks: Cutting	Cuttings created in the construction of the railway and associated works such as highways.	High Speed Two (HS2) Ltd	
Engineering earthworks: Embankment	Embankments created in the construction of the railway and associated works such as highways.	High Speed Two (HS2) Ltd	
Envisaged measures further reducing noise effects	Other environmental features e.g. landscaping: These lines represent environmental mitigation features provided for reasons other than noise mitigation which also reduce sound levels from the Proposed Scheme to the surrounding environment. These features are not placed specifically to reduce or remove a likely significant noise effect. Examples include landscaping and visual mitigation earthworks (non-engineering earthworks). Engineering e.g. cuttings: These lines represent engineering features which reduce sound levels from the Proposed Scheme to the surrounding environment but are not placed specifically to reduce or remove a likely significant noise effect. Examples	High Speed Two (HS2) Ltd	

Legend features	Definition	Source	Copyright
	include cuttings and safety barriers on viaducts which are not close to sensitive receptors.		
Envisaged mitigation to avoid / reduce significant noise effects	<p>Landscaping and/or fence barriers: These lines represent the envisaged mitigation provided specifically to reduce sound levels from the Proposed Scheme at sensitive receptors in order to reduce or remove likely operational significant noise effects. Examples include noise fence barriers or earth bunds (non-engineering earthworks) acting as noise barriers. These features are labelled with the height of the top of the barrier/bund above rail level.</p> <p>Engineering e.g. cuttings: These lines represent engineering features of the route which reduce sound levels from the Proposed Scheme at potentially significant sensitive receptors. These features, therefore, serve a material purpose in reducing or avoiding likely significant noise effects. Examples include engineering cuttings near to sensitive receptors. These features are labelled with the height of the top of the feature above rail level.</p>	High Speed Two (HS2) Ltd	
Existing buildings	Extent of buildings derived from Ordnance Survey MasterMap data.	Ordnance Survey	© Crown copyright and database rights 2017 OS 100049190. You are permitted to use this data solely to enable you to respond to, or interact with, the organisation that provided you with the data. You are not permitted to copy, sub-liscence, distribute or sell any of this data to third parties in any form.
Existing contours	Lines depicting land heights to show topography.	Ordnance Survey	© Crown copyright and database rights 2017 OS 100049190. You are permitted to use this data solely to enable you to respond to, or interact with, the organisation that provided you with the data. You are not permitted to copy, sub-liscence, distribute or sell any of this data to third parties in any form.
Existing inland water	See Water body.	See Water body.	See Water body.
Existing Public Right of Way (PRoW)	See Public Rights of Way.	See Public Rights of Way.	See Public Rights of Way.
Existing watercourse	See Watercourse.	See Watercourse.	See Watercourse.
Existing woodland	See Woodland.	See Woodland.	See Woodland.
Existing woodland and tree belts	A dataset showing large areas of trees that are likely to have an impact on whether the scheme is visible during construction and vegetation. It was used in the ZTV as part of the base models.	High Speed Two (HS2) Ltd	
Extent of land potentially required during construction for mitigation planting	Areas of land outside the main works identified for the planting of woodland, grassland mitigation.	High Speed Two (HS2) Ltd	
Grassed areas	Any other area grassed not included in landscaped earthworks or ecological habitat.	High Speed Two (HS2) Ltd	
Grassland habitat creation	Soft landscape design that can include any seeded areas for the purpose of creating grassland except for the engineering earthworks.	High Speed Two (HS2) Ltd	
Ground-borne noise or vibration impact	Buildings at which an operational ground-borne sound or vibration impact is predicted from the Proposed Scheme.	High Speed Two (HS2) Ltd	© Crown copyright and database rights 2017 OS 100049190. You are permitted to use this data solely to enable you to respond to, or interact with, the organisation that provided you with the data. You are not permitted to copy, sub-liscence, distribute or sell any of this data to third parties in any form.

Legend features	Definition	Source	Copyright
Ground-borne sound & vibration study area (highly sensitive non-residential)	This defines the area within which direct operational ground-borne sound and vibration impacts of the scheme at highly sensitive non-residential receptors have been quantitatively assessed. This area is defined as within zoom of the route.	High Speed Two (HS2) Ltd	
Ground-borne sound & vibration study area (residential and non-residential)	This defines the area within which direct operational ground-borne sound and vibration impacts of the scheme at residential and non-residential receptors have been quantitatively assessed. This area is defined as within 85m of the route.	High Speed Two (HS2) Ltd	
Hedgerow habitat creation	Ecological mitigation to provide new hedgerow planting, connectivity enhancements to existing areas and areas for ecological management. This level does not include screening planting for visual mitigation purposes.	High Speed Two (HS2) Ltd	
HS2 access road	Access road to HS2 infrastructure such as electricity substations, balancing ponds and maintenance access points to the railway.	High Speed Two (HS2) Ltd	
L_{pAFmax} exceeds 60dB façade	Assessment locations where the predicted value of L_{pAFmax} is 60 dB or greater having applied a façade correction of +2.5 dB to the predicted free field value.	High Speed Two (HS2) Ltd	
Land drainage area	Provision of land to attenuate or infiltrate overland flows at or beyond the HS2 railway boundaries; for example, where existing land drainage systems are altered by the HS2 works, where the existing landform is reshaped by landscape earthworks or where surface water from third party land is intercepted by the HS2 perimeter drainage system.	High Speed Two (HS2) Ltd	
Land potentially required during construction	Boundary defining the maximum possible extent of construction works required to build HS2 as far as the current level of design allows. This only covers surface works and includes all tunnel portals, vent shafts and headhouses, but does not apply to wholly tunnelled sections or to air rights. It also encompasses associated highway, access, drainage and utility works.	High Speed Two (HS2) Ltd	
Landscape earthworks	Landscape earthworks to provide permanent landscape, visual or acoustic mitigation.	High Speed Two (HS2) Ltd	
Landscape mitigation planting (scrub / woodland)	Screening planting, using woodland, for visual mitigation and landscape integration purposes.	High Speed Two (HS2) Ltd	
Local placement of surplus excavated material (local placement area)	An area of land already required for construction of the scheme to be used for the permanent placement of surplus excavated materials, which will subsequently be restored for agricultural use.	High Speed Two (HS2) Ltd	
Main construction compound	Main Construction Compounds in which main contractors offices and welfare facilities will be located.	High Speed Two (HS2) Ltd	
Main utility works	Represents all new major utility installations (included in the hybrid Bill) and also modifications to existing utilities required to construct the scheme. Includes water, electricity, telecommunications and gas.	High Speed Two (HS2) Ltd	
New, diverted or realigned PRoW	New, realigned or diverted Public Rights of Way (PRoW).	High Speed Two (HS2) Ltd	
Noise fence barrier	Denotes fence-style barriers provided as part of the noise mitigation measures. Note that other noise barriers have also been included in the form of landscaping and engineering cuttings - see the SV map series for more detail on noise mitigation.	High Speed Two (HS2) Ltd	

Legend features	Definition	Source	Copyright
Non engineering earthworks: Cutting	Cuttings created in the construction of landscape features and mitigation measures.	High Speed Two (HS2) Ltd	
Non engineering earthworks: Embankment	Embankments created in the construction of landscape features and mitigation measures.	High Speed Two (HS2) Ltd	
Operational airborne sound impacts at buildings	The buildings shown on SV-02 and SV-05 are colour-coded according to the magnitude of the predicted noise impacts of the Proposed Scheme. Noise impacts are calculated by comparing the sound levels predicted if the Proposed Scheme did not go ahead with those if it did (details of this process can be found in Volume 5: Appendix SV001-ooo of the main ES). Panel B on SV-05 contains a key showing the colours used with the corresponding impact categories. The impacts presented are the greatest (i.e. worst-case) of the impacts predicted for daytime and night-time.	High Speed Two (HS2) Ltd	© Crown copyright and database rights 2017 OS 100049190. You are permitted to use this data solely to enable you to respond to, or interact with, the organisation that provided you with the data. You are not permitted to copy, sub-license, distribute or sell any of this data to third parties in any form.
Photomontage location	Shows the locations from which verifiable photomontages have been produced. The locations are based on a fully surveyed point.	High Speed Two (HS2) Ltd	
Potential additional noise insulation (triggered by maximum sound levels at night)	This represents dwellings which would potentially be provided with noise insulation due to maximum sound levels from the Proposed Scheme (further information regarding assessment criteria can be found in Volume 5 Appendix SV-001 of the main ES).	High Speed Two (HS2) Ltd	
Potential additional noise insulation (triggered by WHO Night Noise Guidelines Interim Target)	This represents dwellings which would potentially be provided with noise insulation due to noise from the Proposed Scheme exceeding the World Health Organization (WHO) night noise guidelines interim target (further information regarding assessment criteria can be found in Volume 5 Appendix SV-001 of the main ES).	High Speed Two (HS2) Ltd	
Potential noise insulation (triggered by Noise Insulation Regulations 1996)	This represents dwellings which would potentially qualify for noise insulation under the Noise Insulation (Railways and Other Guided Transport Systems) Regulations 1996 (further information regarding assessment criteria can be found in Volume 5 Appendix SV-001 of the main ES).	High Speed Two (HS2) Ltd	
Proposed tree planting	A dataset showing proposed planting that may have an impact on whether the scheme is visible during construction and operation. It was used in the operation year 15 ZTV.	High Speed Two (HS2) Ltd	
Public realm/Replacement community facility	Public realm: Specifically provided to show areas to be used for public realm. This layer is mainly associated with station sites and is to be used to indicate general areas for designed soft and hard landscaping. Replacement community facility: Area of land for the provision of a permanent replacement community facility, such as a playground, community centre or activity centre.	High Speed Two (HS2) Ltd	
Public Rights of Way (PRoW)	Public rights of way are highways which can be used for the following purposes: - Footpaths - pedestrians only - Bridleways - pedestrians, cyclists and equestrians		© Crown copyright and database rights 2017 OS 100049190. You are permitted to use this data solely to enable you to respond to, or interact with, the organisation that provided you

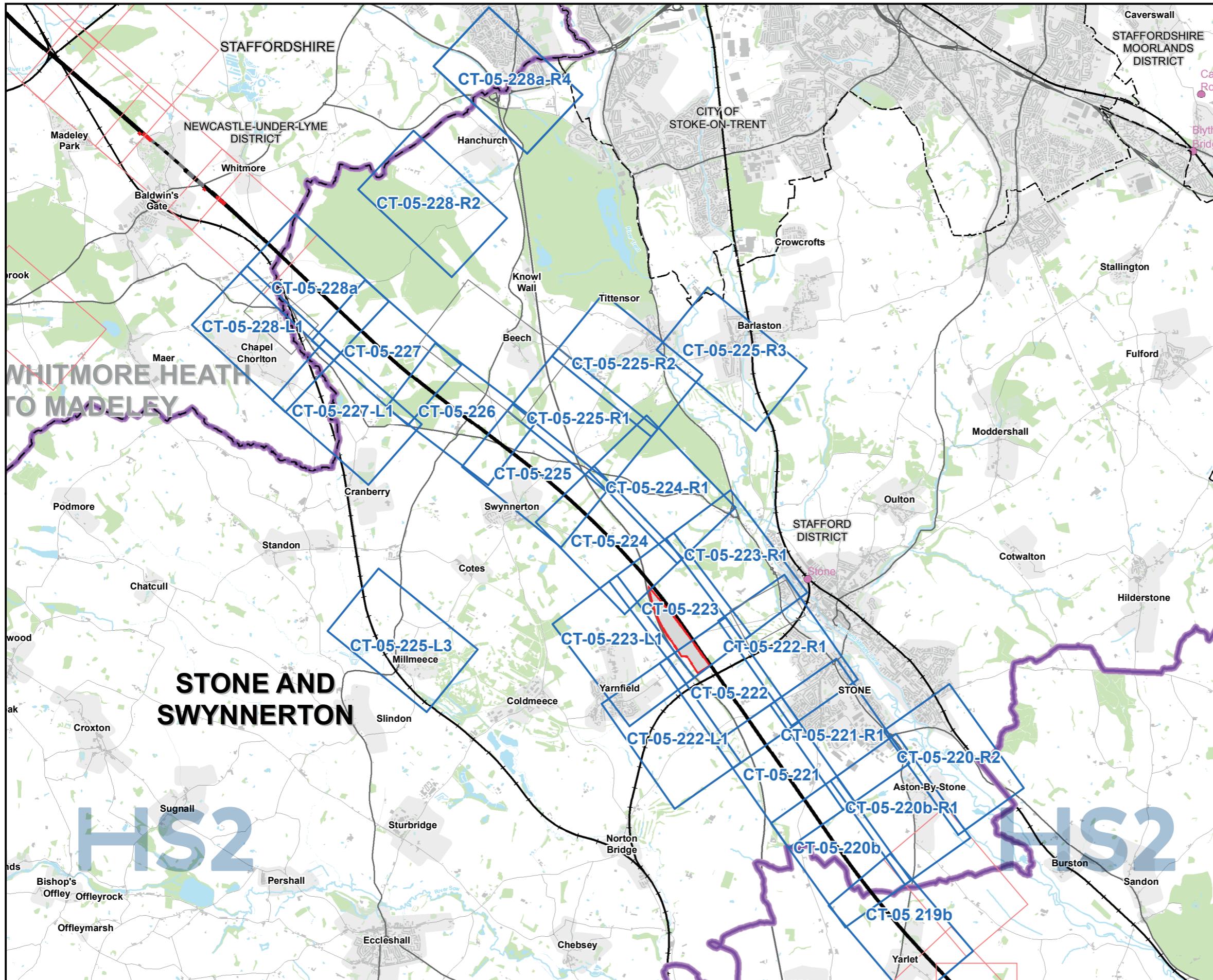
Legend features	Definition	Source	Copyright
	- Restricted byways - as bridleways plus non-motorised vehicles - Byways open to all traffic. Definitive Map data supplied by surveying authorities.	Staffordshire County Council Cheshire East Council	with the data. You are not permitted to copy, sub-liscence, distribute or sell any of this data to third parties in any form. © Staffordshire County Council © Cheshire East Council
Rail alignment	Longitudinal geometry of the tracks consisting of a series of straights and curves.	High Speed Two (HS2) Ltd	
Rail alignment formation	The space required to accommodate the railway infrastructure which typically includes the tracks, overhead line equipment, drainage, lineside access paths and cable routes for electrification and communication systems.	High Speed Two (HS2) Ltd	
Railway systems compound	Represents railway systems compounds which facilitate installation, testing and commissioning of the railway systems, including track, overhead line equipment, communications and signalling equipment and traction power supply.	High Speed Two (HS2) Ltd	
Replacement floodplain storage	Provision of storage to replace floodplain occupied by the Proposed Scheme. Equivalent storage is provided for events up to the 1 in 100 (1%) annual probability event with an allowance for climate change.	High Speed Two (HS2) Ltd	
Returned to suitable development use	Post construction land will be reinstated to enable potential future development.	High Speed Two (HS2) Ltd	
Route in tunnel Route on surface	Represents the proposed route of HS2, split into route on surface and tunneled sections.	High Speed Two (HS2) Ltd	
Satellite construction compound	Represents satellite construction compounds which serve local works for major construction elements within a main contract.	High Speed Two (HS2) Ltd	
Significantly affected viewpoint	This dataset shows the locations of the visual receptors from which the schemes visual impact has been assessed and shows whether or not the impact is significant or non-significant during construction and operation.	High Speed Two (HS2) Ltd	
Sound contours (SV-05)	The sound levels from the Proposed Scheme (expressed as $L_{pAeq,T}$ and representing sound from the new railway only) are presented at two sound levels: 40 dB $L_{Aeq,T\ 23:00\ to\ 07:00}$ and 55 dB $L_{Aeq,T\ 23:00\ to\ 07:00}$. The corresponding daytime levels ($L_{Aeq,T\ 07:00\ to\ 23:00}$) are shown in Panel A of SV-05.	High Speed Two (HS2) Ltd	
Stopped-up PRoW	Public rights of way that will be closed due to construction of the scheme.	High Speed Two (HS2) Ltd	
Storage / prefabrication / laydown areas	Storage, prefabrication or laydown areas.	High Speed Two (HS2) Ltd	
Temporary highway diversion / realignment	Indicative temporary highway diversion layouts during the construction phase.	High Speed Two (HS2) Ltd	
Temporary material stockpile	Represents temporary stockpiling of topsoil, subsoil and other excavated materials to be used for reinstatement purposes, and also stockpile areas for managing movement of excavated materials during construction.	High Speed Two (HS2) Ltd	
Temporary PRoW diversion / realignment	Indicative temporary diversions to public rights of way as a result of construction of the scheme. These will vary depending on construction phase and local conditions.	High Speed Two (HS2) Ltd	

Legend features	Definition	Source	Copyright
Temporary replacement community facility	Area of land for the provision of a temporary replacement community facility, such as a playground, community centre or activity centre, whilst construction works are in progress.	High Speed Two (HS2) Ltd	
Temporary workers accommodation	Temporary accommodation for workers during the construction period.	High Speed Two (HS2) Ltd	
Tunnel portal	The footprint of a tunnel portal.	High Speed Two (HS2) Ltd	
Tunnels external extent	The external excavated extent of each tunnel bore.	High Speed Two (HS2) Ltd	
Water body	Any mass of water having definite hydrological, physical, chemical and biological characteristics.	Ordnance Survey	© Crown copyright and database rights 2017 OS 100049190. You are permitted to use this data solely to enable you to respond to, or interact with, the organisation that provided you with the data. You are not permitted to copy, sub-liscence, distribute or sell any of this data to third parties in any form.
Watercourse	Any channel through which water flows, can be natural or manmade. They are split into two categories (main rivers or ordinary watercourses) in England and Wales for regulation purposes.	Environment Agency	© Environment Agency copyright and/or database right 2018. All rights reserved.
Watercourse diversion	Includes rivers, streams, ditches and other open channels, diversions to these, together with any new culverts required.	High Speed Two (HS2) Ltd	
Wetland habitat creation	Ecological mitigation area to provide new wetland habitat creation, enhancements to existing areas and areas for ecological management. This level does not include screening planting for visual mitigation purposes.	High Speed Two (HS2) Ltd	
Woodland	Woodland areas derived from Ordnance Survey MasterMap data.	Ordnance Survey	© Crown copyright and database rights 2017 OS 100049190. You are permitted to use this data solely to enable you to respond to, or interact with, the organisation that provided you with the data. You are not permitted to copy, sub-liscence, distribute or sell any of this data to third parties in any form.
Woodland habitat creation	Ecological mitigation area to provide new woodland planting, connectivity enhancements to existing areas and areas for ecological management. This level does not include screening planting for visual mitigation purposes.	High Speed Two (HS2) Ltd	

High Speed Rail (West Midlands - Crewe)
Supplementary Environmental Statement 2 and
Additional Provision 2 Environmental Statement

CT-05 - Construction Phase

CT-06 - Proposed Scheme



Main Map Legend

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Community area boundary
- Existing railway station
- County boundary
- District/Borough boundary

Map sheets included in this community area with an SES2 design change or an AP2 amendment

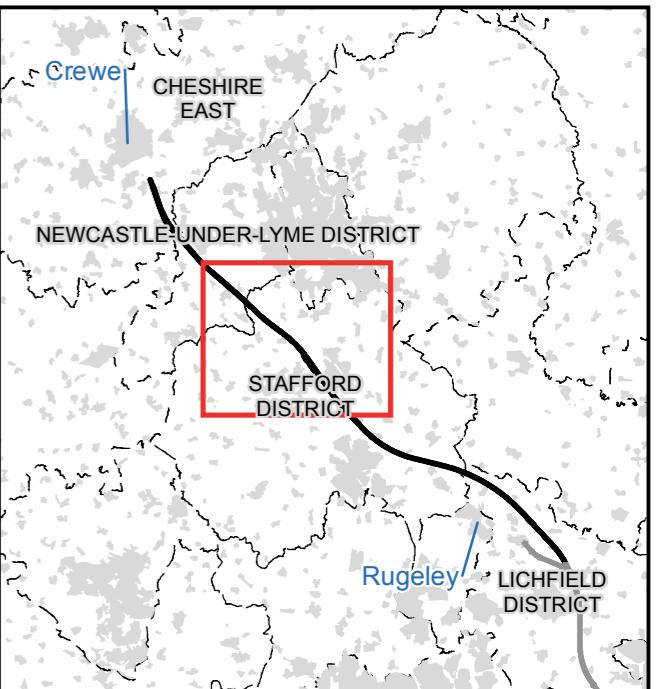
Map sheets included in this community area with no amendment

Map sheets not included in this community area

Map Number: CT-05-INDEX-CA3

Map Name: Index Map of:
Construction Phase
SES2 and AP2 ES

Community Area 3:
Stone and Swynnerton



Map Series Information:

These plans show the land potentially required during construction, the construction features, access requirements and infrastructure associated with construction of the Proposed Scheme. The plans also show the construction phase arrangements for public access using Public Rights of Way.

The base mapping shown on the plans is reflective of 2017 Ordnance Survey (OS) data.

Note: Not all data layers in the legend are represented on every map.

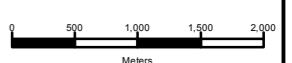
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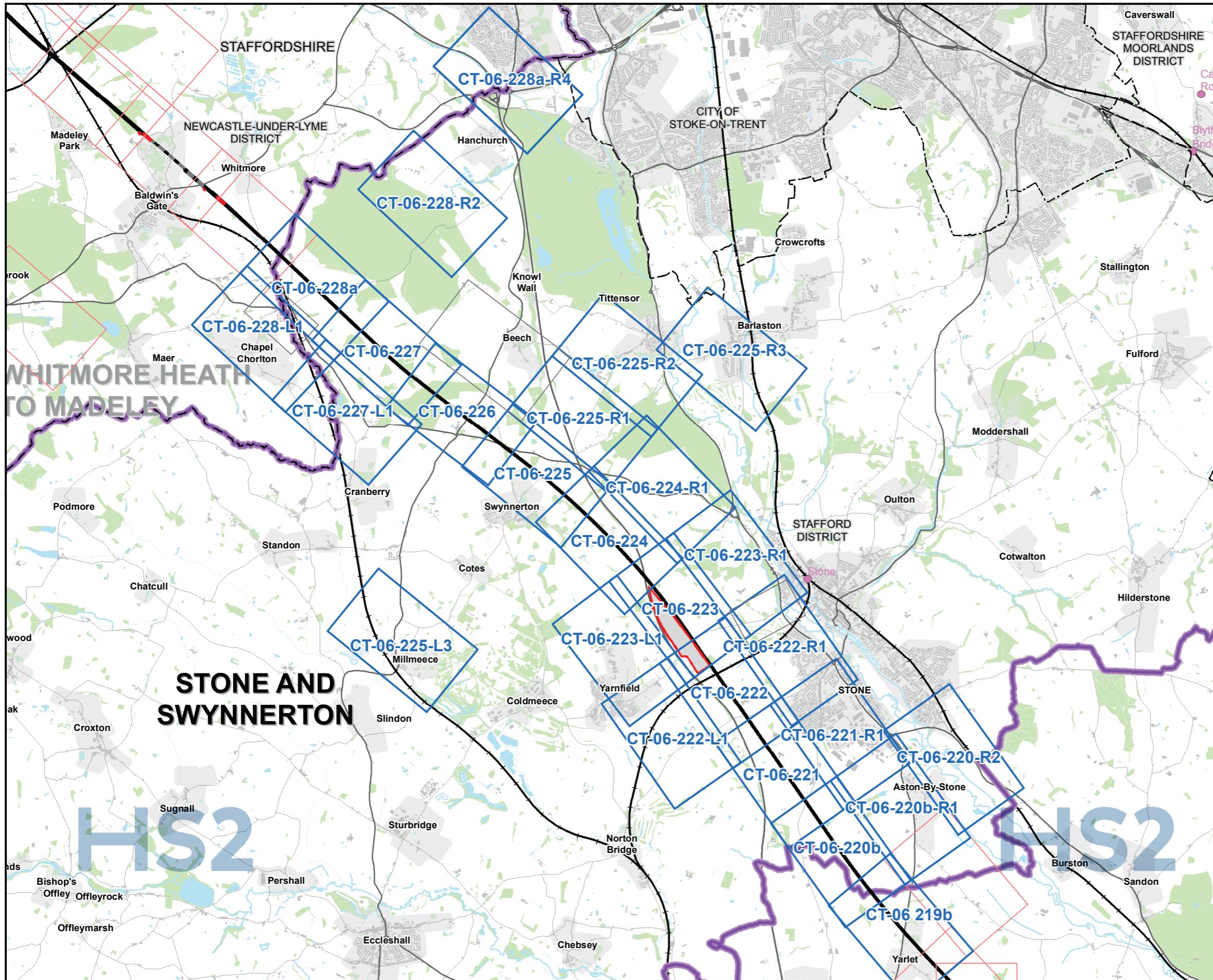
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Date: 11/01/19



Main Map Legend

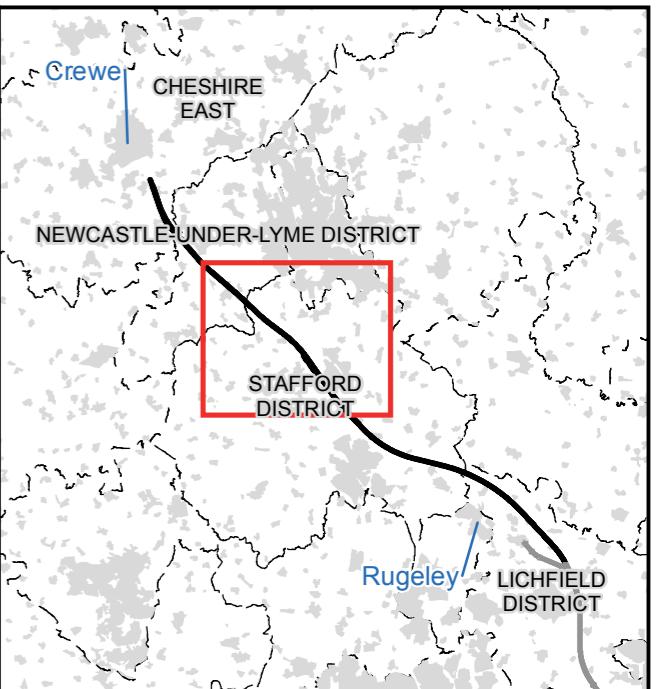
- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Community area boundary
- Existing railway station
- - - County boundary
- District/Borough boundary

- Map sheets included in this community area with an SES2 design change or an AP2 amendment
- Map sheets included in this community area with no amendment
- Map sheets not included in this community area

Map Number **CT-06-INDEX-CA3**

Map Name
**Index Map of:
Proposed Scheme
SES2 and AP2 ES**

Community Area 3:
Stone and Swynnerton



Map Series Information:

These maps show permanent features, infrastructure, restored land, and areas for landscaping, screening and ecological mitigation associated with the Proposed Scheme.

The base mapping shown on the plans is reflective of 2017 Ordnance Survey (OS) data.

Note: Not all data layers in the legend are represented on every map.

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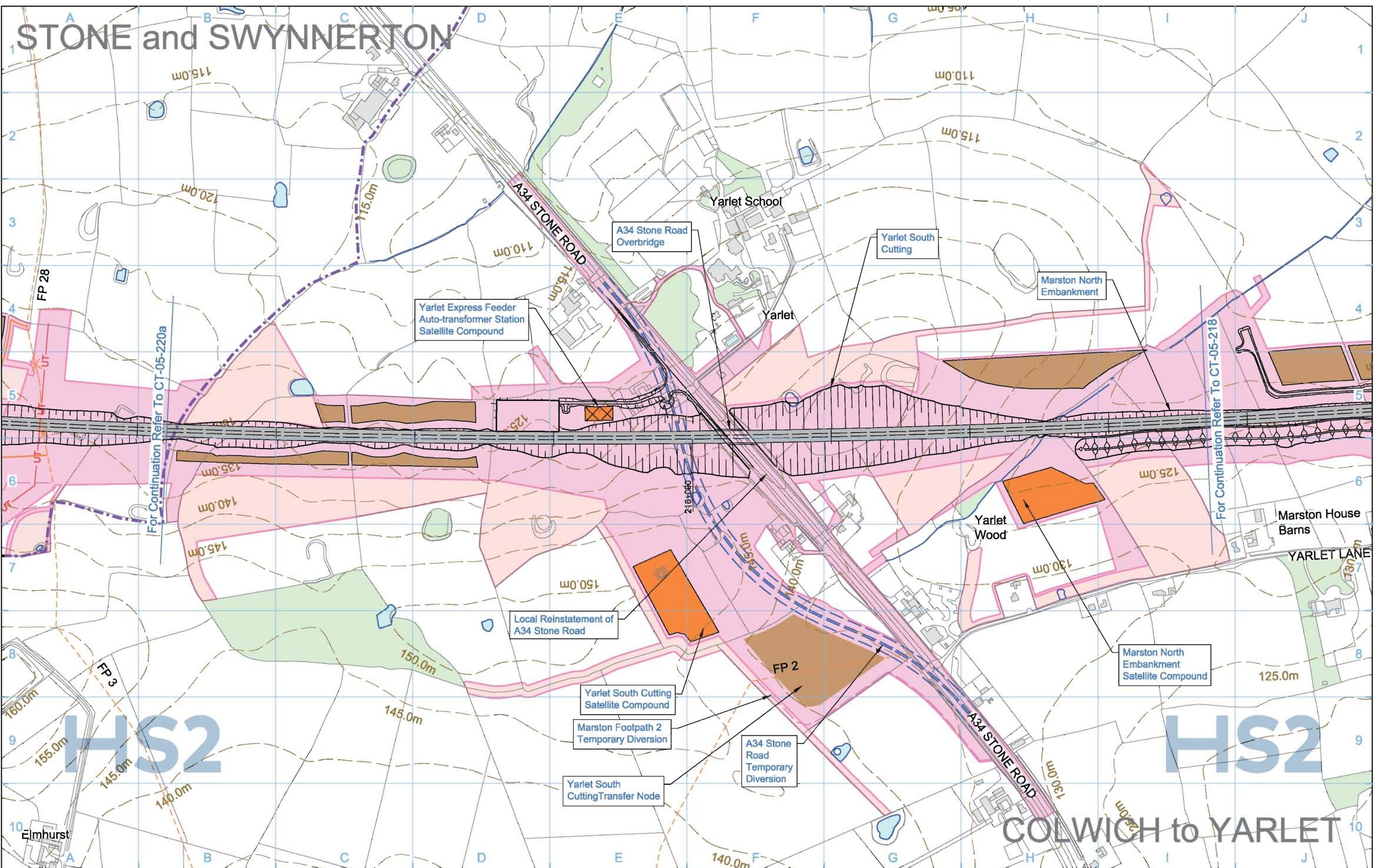
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Meters
Date: 11/01/19

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STONE and SWYNNERTON



~~STONE and SWYNNERTON~~

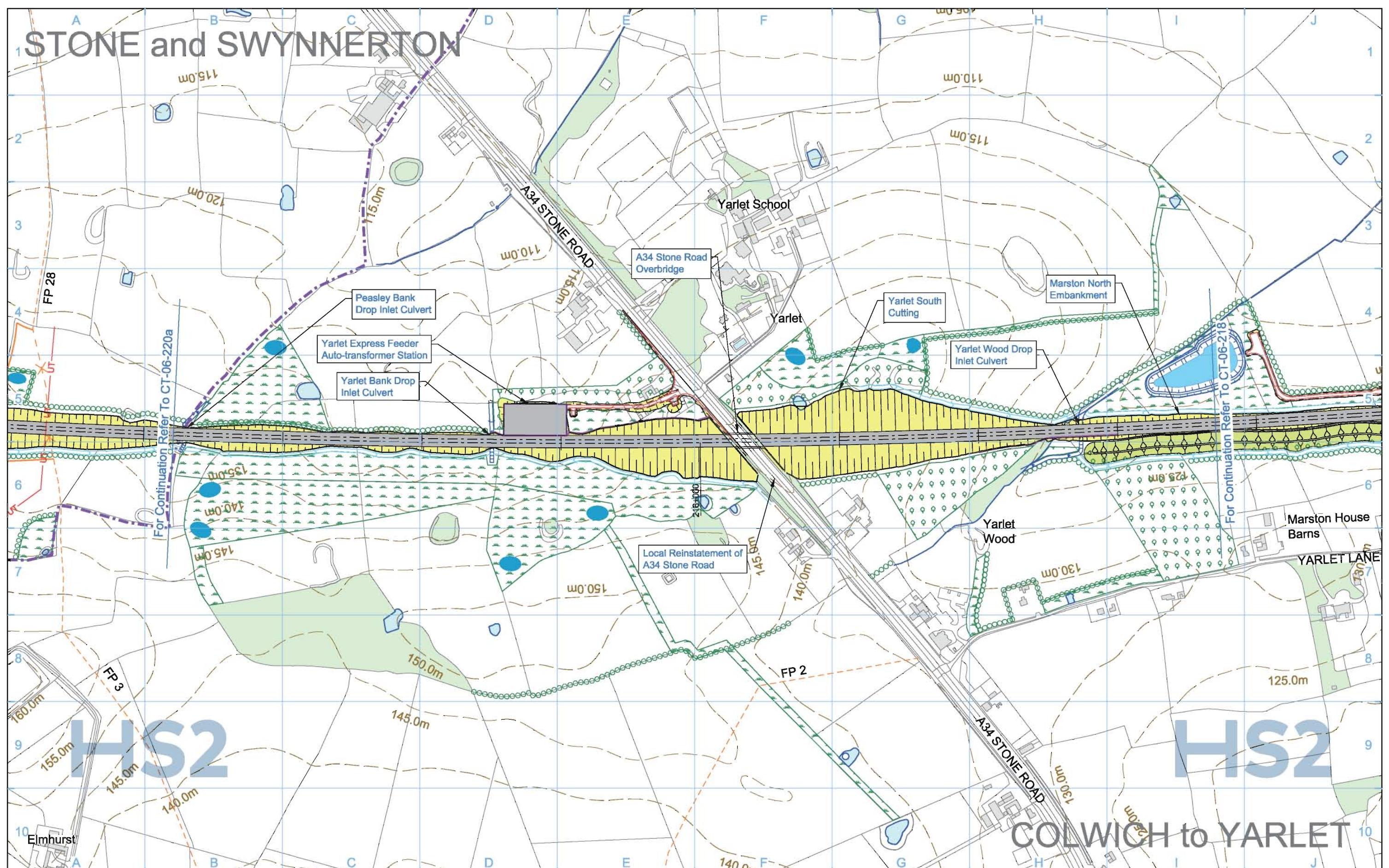
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IUCI-06-220a

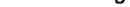
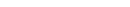
The HS2 logo is displayed in large blue letters. A dashed orange line extends from the top of the 'H' to the right, ending at a vertical dashed line that descends to a horizontal dashed line. This horizontal dashed line spans the width of the 'S' and ends at the bottom of the '2'. The text '50m' is written vertically along this dashed line, indicating a distance. The background features faint, thin diagonal lines.

HS2

COLWICH to YARLET



Legend

- | | | | | | | | | | | | | |
|--|---|--|--|--|--|--|---|--|--|--|---|---|
|  Depot, station, headhouse or portal building |  Tunnel portal |  Electricity substation |  Land drainage area |  Ecological mitigation pond |  Balancing pond |  Replacement floodplain storage |  Woodland habitat creation |  Wetland habitat creation |  Grassland habitat creation |  Landscape mitigation planting (scrub / woodland) |  Grassed areas |  Sustainable placement |
|--|---|--|--|--|--|--|---|--|--|--|---|---|

Public realm/Replacement

- The legend consists of two columns of icons and text descriptions. The first column contains seven items with solid blue outlines: 'community facility' (a building), 'Engineering earthworks' (vertical yellow lines), 'Landscape earthworks' (green stylized plants), 'Rail alignment formation' (grey horizontal lines), 'Returned to suitable development use' (orange square), 'County boundary' (black dashed line), and 'Borough / District boundary' (black dotted line). The second column contains eight items with blue outlines: 'Watercourse diversion' (blue arrow pointing right), 'Existing watercourse' (blue line), 'Ditches - new' (blue wavy line), 'Hedgerow habitat creation' (green circles), 'Main utility works' (red line with red 'UT' label), 'Existing public right of way (PRoW)' (dashed blue line), 'New, diverted or realigned PRoW' (solid orange line), and 'Stopped-up PRoW' (dashed orange line with a red X).

Medland

CT-06-2191

Proposed Scheme



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on number 08781686

Section 143-1520

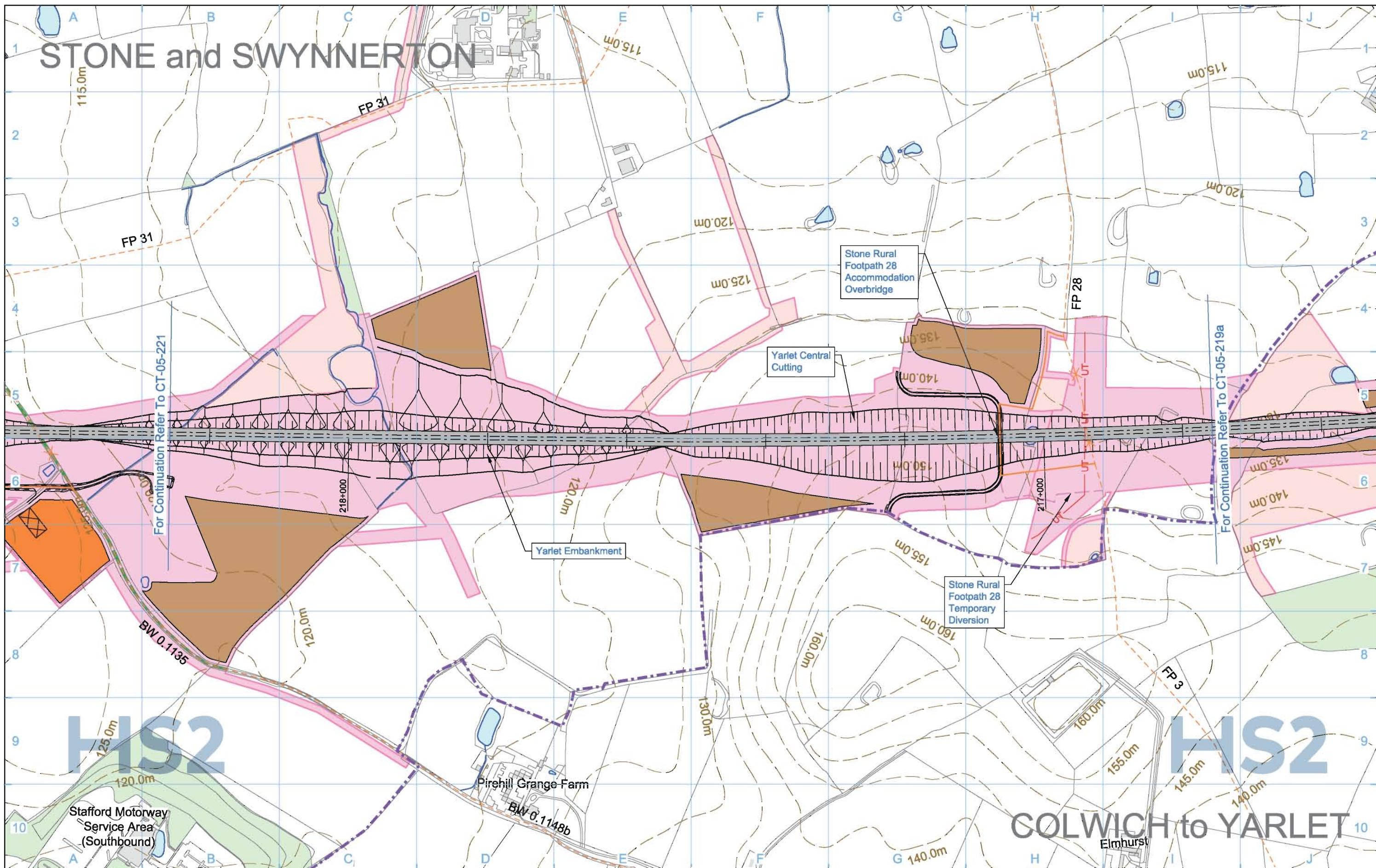
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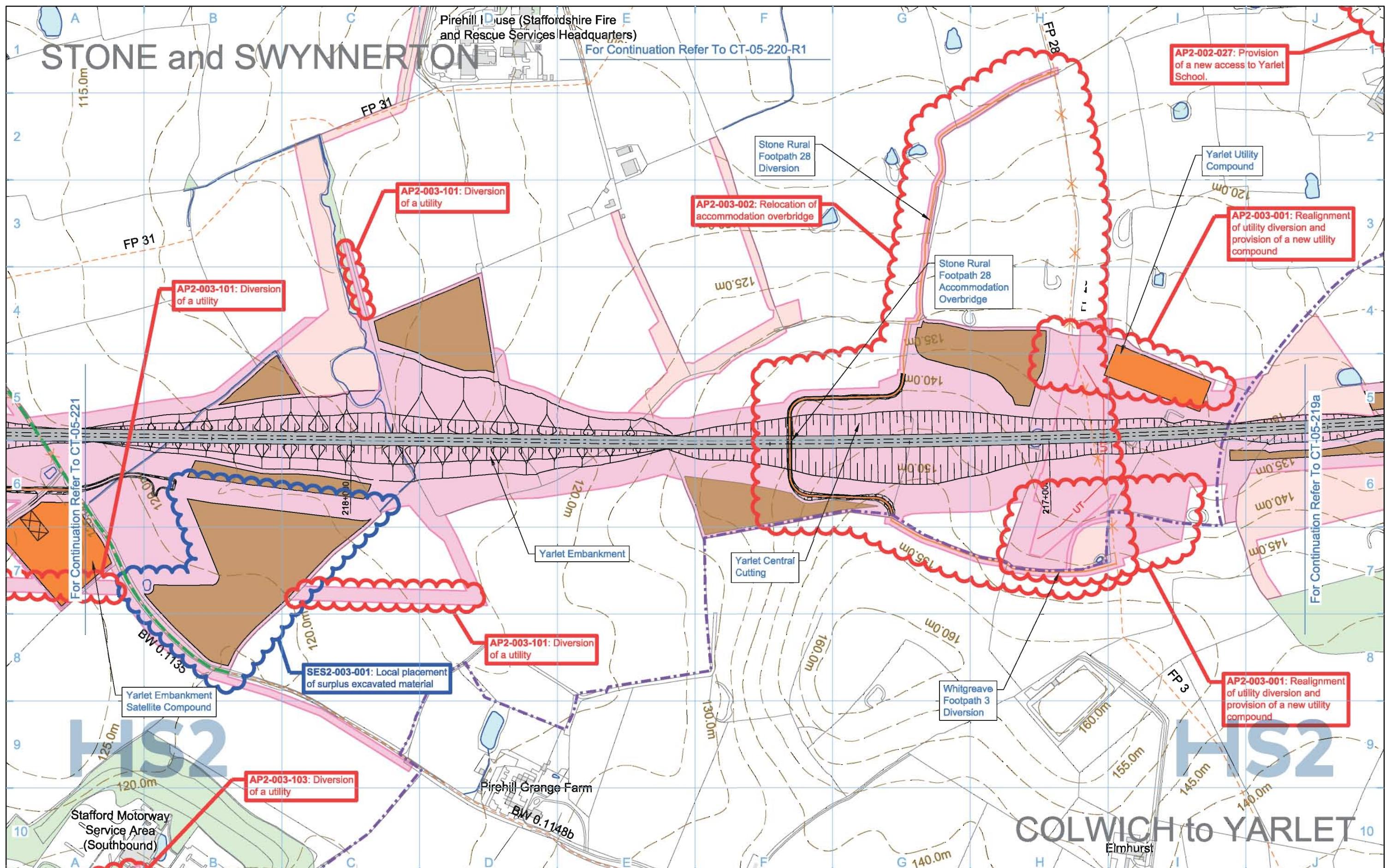
A horizontal scale bar with numerical markings at 0, 50, 100, 150, 200, and 250.

Metres

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PP_EV_DPL_000_056310 P05 Date: 08/06/17



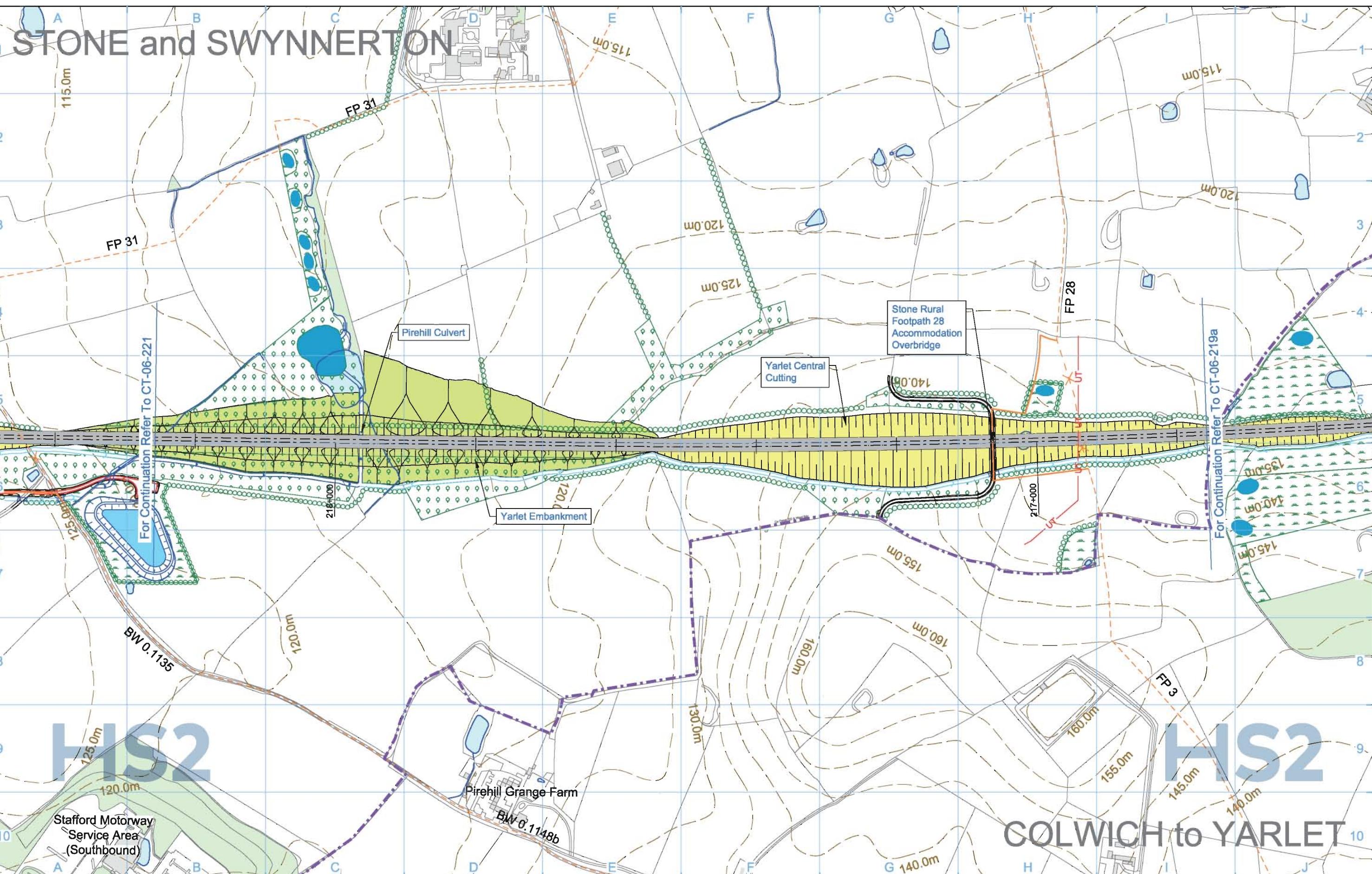


Map Number	CT-05-220b	HS2
Map Name	Construction Phase SES2 and AP2 ES	HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued In part or issued incomplete in any way.
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0 50 100 150 200 250 Metres

P04 Date: 15/01/19



Legend

- Depot, station, headhouse or portal building
- Tunnel portal
- Electricity substation
- Land drainage area
- Ecological mitigation pond
- Balancing pond
- Replacement floodplain storage
- Woodland habitat creation
- Wetland habitat creation
- Grassland habitat creation
- Landscape mitigation planting (scrub / woodland)
- Grassed areas
- Sustainable placement

- Engineering earthworks
- Landscape earthworks
- Rail alignment formation
- Returned to suitable development use
- County boundary
- Borough / District boundary
- Community Area boundary
- Watercourse diversion
- Existing watercourse
- Ditches - new
- Hedgerow habitat creation
- Public realm/Replacement community facility
- Existing buildings
- Existing inland water
- Existing contours
- HS2 access road
- Noise fence barrier
- Main utility works
- Existing public right of way (PROW)
- New, diverted or realigned PROW
- Stopped-up PROW
- Rail alignment
- Chainage
- Tunnels external extent

Map Number
CT-06-220b

Map Name
Proposed Scheme

Community Area
CA3 Stone and Swynnerton

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Map Number
CT-06-220b

Map Name
Proposed Scheme

Community Area
CA3 Stone and Swynnerton

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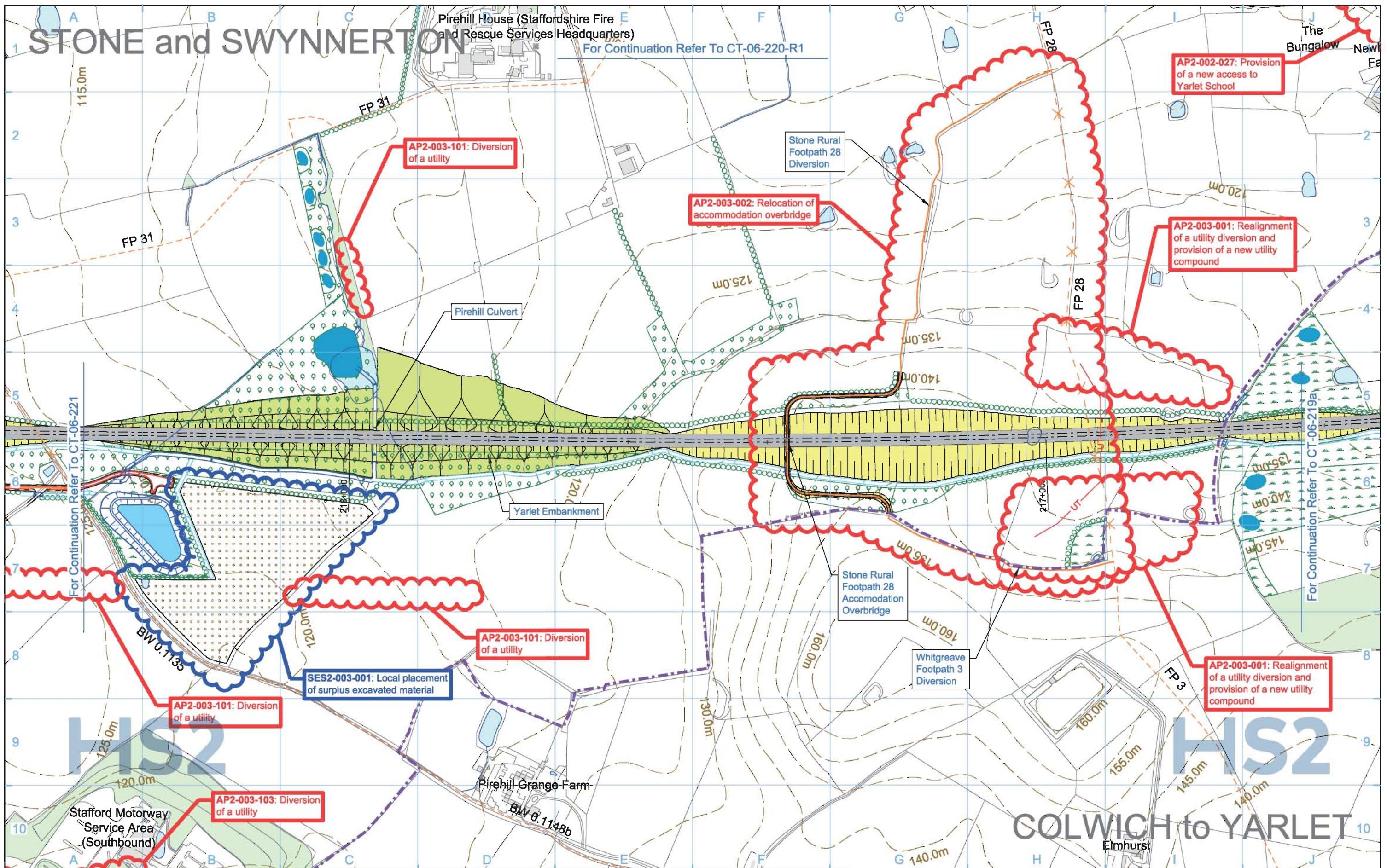
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P03 Date: 08/06/17



Depot, station, headhouse or portal building	Replacement floodplain storage
Tunnel portal	Woodland habitat creation
Electricity substation	Engineering earthworks
Land drainage area	Landscape earthworks
Ecological mitigation pond	Rail alignment formation
Balancing pond	Returned to suitable development use
	Grassland habitat creation
	Landscape mitigation planting (scrub / woodland)
	Grassed areas
	Local placement of surplus excavated material

Woodland habitat creation	Public realm/Replacement community facility
Wetland habitat creation	Engineering earthworks
Grassland habitat creation	Landscape earthworks
Landscape mitigation planting (scrub / woodland)	Rail alignment formation
Grassed areas	Returned to suitable development use
Local placement of surplus excavated material	County boundary
	Borough / District boundary
	Tunnels external extent

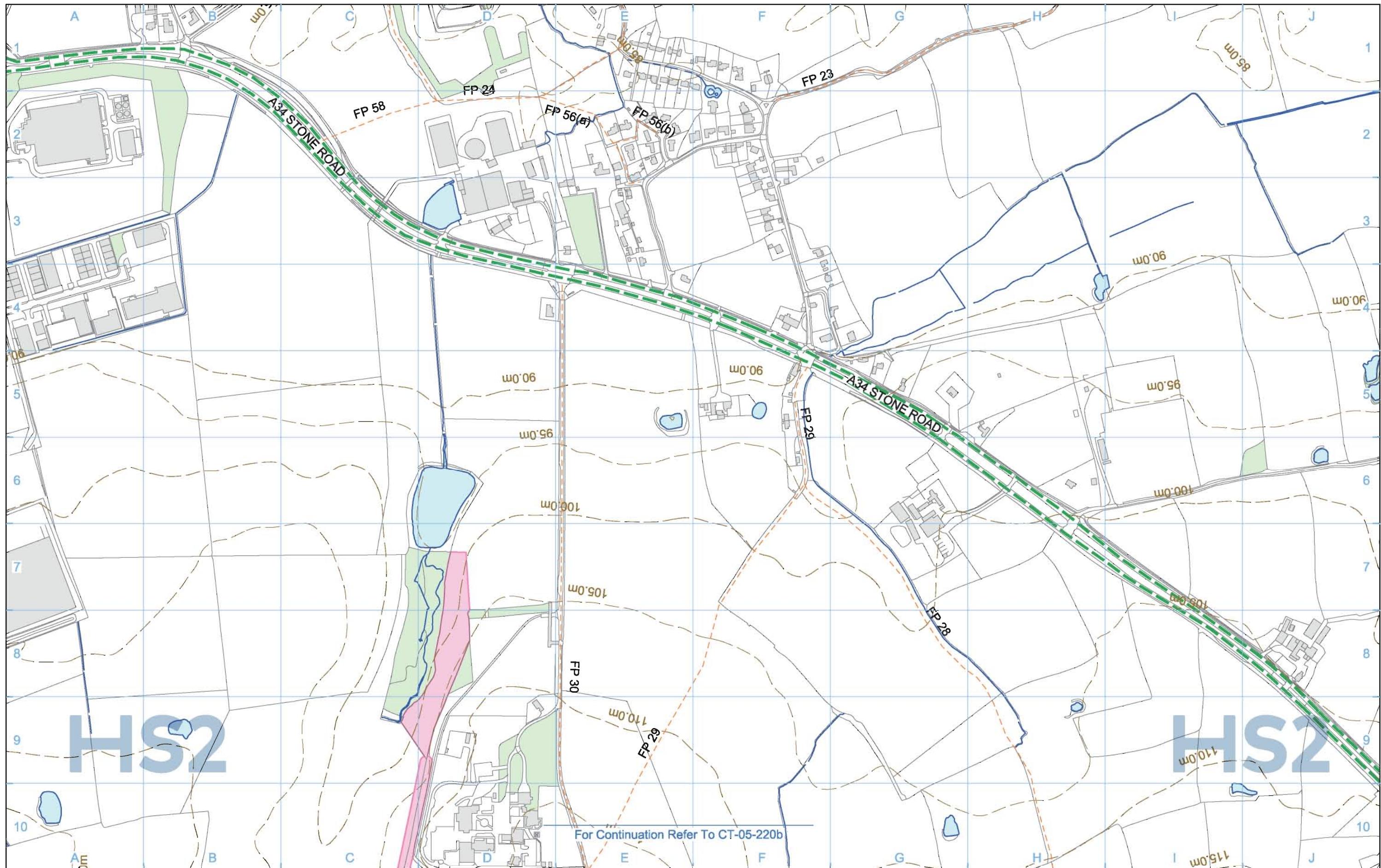
Community Area boundary	Existing woodland
Watercourse diversion	Existing buildings
or	Existing inland water
Existing watercourse	Existing contours
Ditches - new	HS2 access road
Hedgerow habitat creation	Noise fence barrier
— UT —	Main utility works
Returned to suitable development use	Existing public right of way (PROw)
Landscape mitigation planting (scrub / woodland)	New, diverted or realigned PROw
Grassed areas	Stopped-up PROw
Local placement of surplus excavated material	Rail alignment
	Chairage
	(e.g. 10+000)

Map Number	CT-06-220b
Map Name	Proposed Scheme SES2 and AP2 ES
Community Area	CA3 Stone and Swynnerton



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Legend	
Depot, station, headhouse or portal building	Borrow Pit
Tunnel portal	Storage / prefabrication / laydown areas
Main construction compound	Land potentially required during construction
Satellite construction compound	Extent of land potentially required during construction for mitigation planting
Railway systems compound	Temporary replacement community facility
Temporary material stockpile	

	Community Area boundary
	Community Area boundary
	Tunnels external extent
	Construction traffic route
	Existing public right of way (PRoW)
	New, diverted or realigned PRoW
	Stopped-up PRoW
	Temporary PRoW diversion / realignment

Landscape earthworks	Existing woodland
Engineering earthworks	Existing buildings
Temporary highway diversion / realignment	Existing inland water
or	Existing watercourse
UT	Existing contours
Main utility works	Rail alignment
Existing PRoW	Chainage (e.g. 10+000)
Stopped-up PRoW	
Temporary PRoW diversion / realignment	

Map Number	CT-05-220b-R1
Map Name	Construction Phase
Community Area	CA3 Stone and Swynnerton

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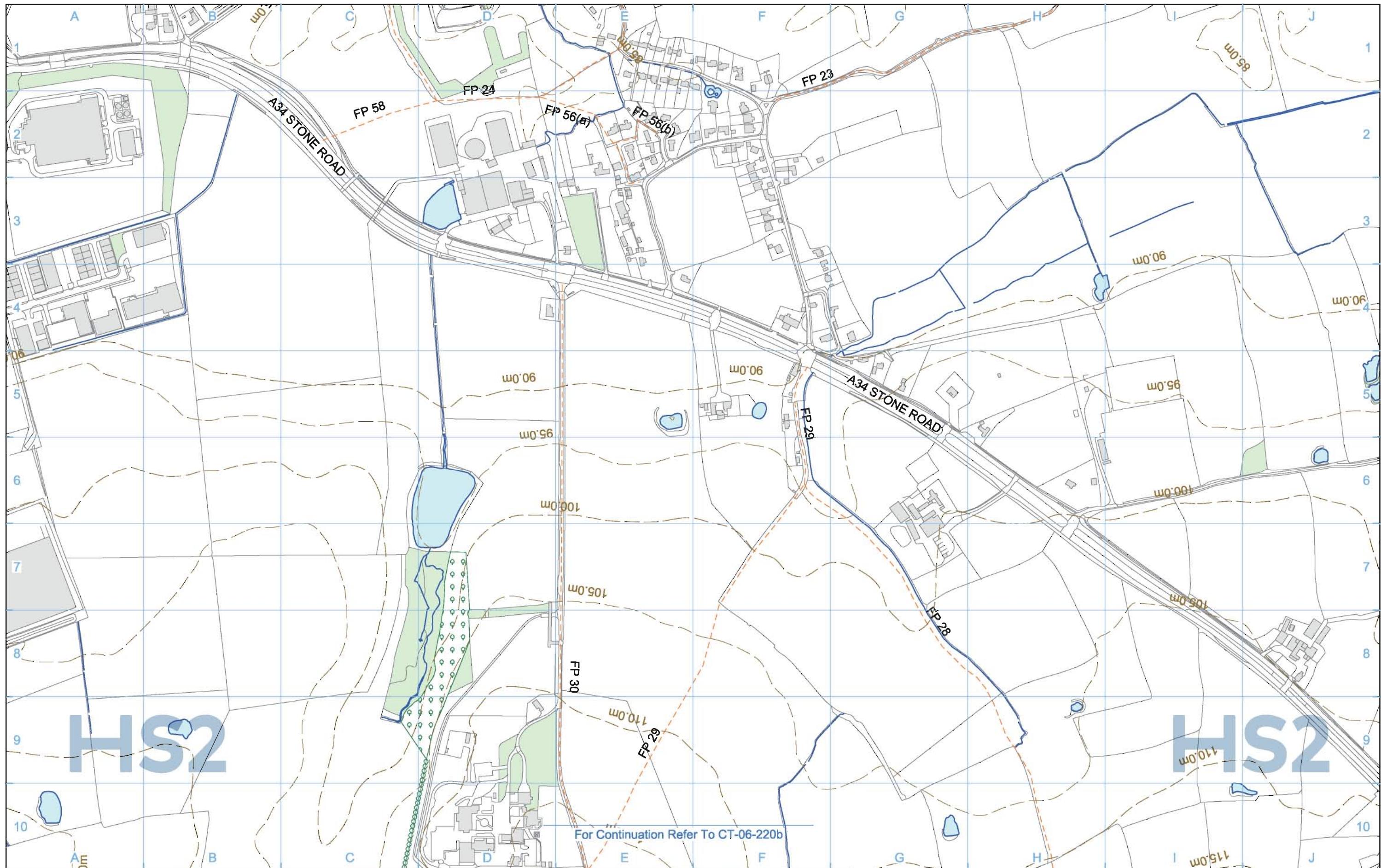
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Legend

- Depot, station, headhouse or portal building
- Tunnel portal
- Electricity substation
- Land drainage area
- Ecological mitigation pond
- Balancing pond
- Replacement floodplain storage
- Woodland habitat creation
- Wetland habitat creation
- Grassland habitat creation
- Landscape mitigation planting (scrub / woodland)
- Grassed areas
- Sustainable placement

Legend

- Community Area boundary
- Watercourse diversion
- Existing watercourse
- Ditches - new
- Hedgerow habitat creation
- UT Main utility works
- Existing public right of way (PRoW)
- New, diverted or realigned PRoW
- Stopped-up PRoW
- Rail alignment formation
- Returned to suitable development use
- County boundary
- Borough / District boundary
- 10+000 Chainage
- Tunnels external extent

Legend

- Existing woodland
- Existing buildings
- Existing inland water
- Existing contours
- HS2 access road
- Noise fence barrier
- Rail alignment
- Chainage
- (e.g. 10+000)

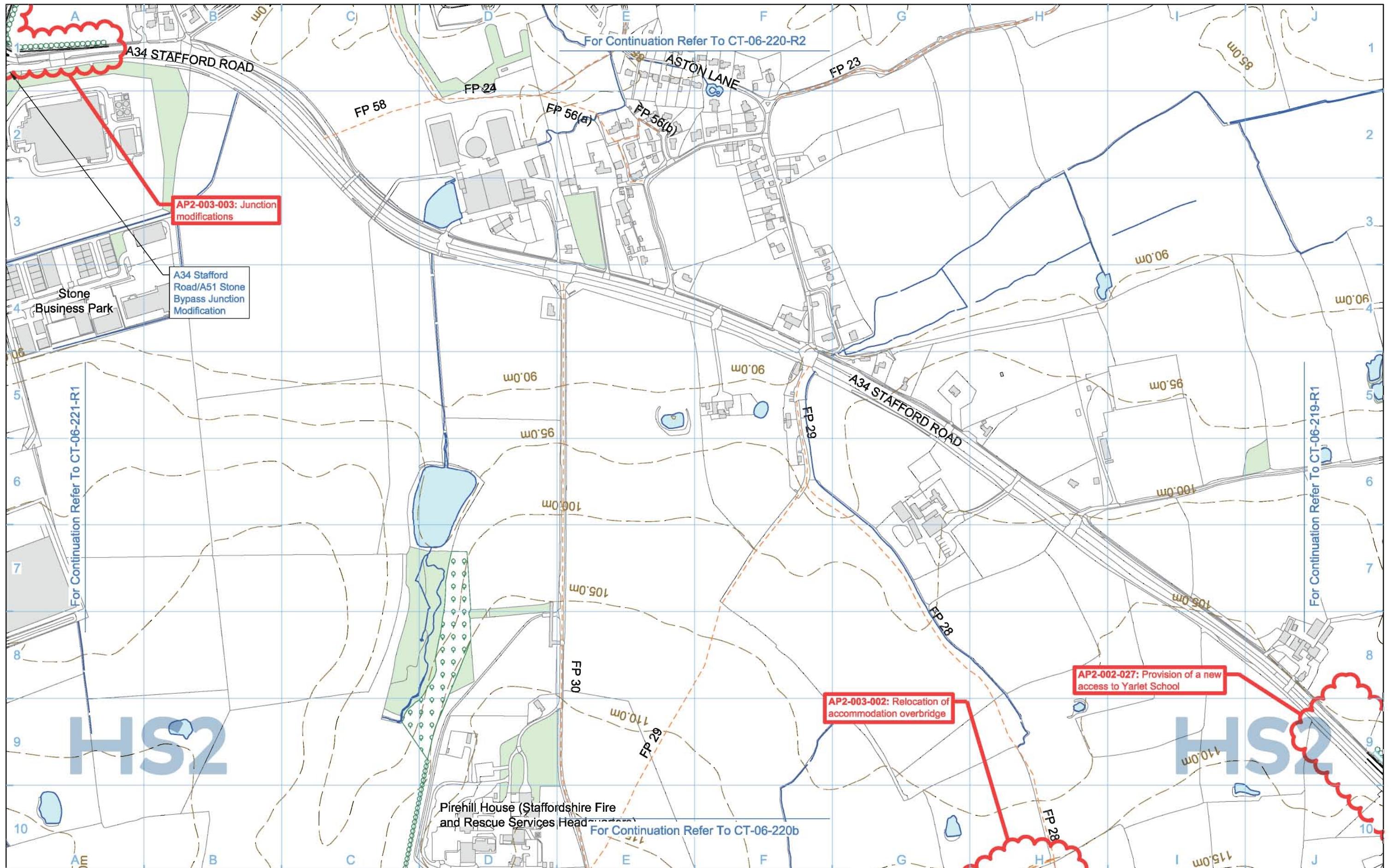
Map Number
CT-06-220b-R1
Map Name
Proposed Scheme
Community Area
CA3 Stone and Swynnerton

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Legend

- Depot, station, headhouse or portal building
- Tunnel portal
- Electricity substation
- Land drainage area
- Ecological mitigation pond
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- Replacement floodplain storage
- Woodland habitat creation
- Wetland habitat creation
- Grassland habitat creation
- Landscape mitigation planting (scrub / woodland)
- Grassed areas
- Local placement of surplus excavated material
- Public realm/Replacement community facility
- Engineering earthworks
- Landscape earthworks
- Rail alignment formation
- Returned to suitable development use
- County boundary
- Borough / District boundary
- Community Area boundary
- Watercourse diversion
- Existing watercourse
- Ditches - new
- Hedgerow habitat creation
- UT
- Existing public right of way (PROw)
- New, diverted or realigned PROw
- Stopped-up PROw
- Main utility works
- Existing contours
- Existing inland water
- HS2 access road
- Noise fence barrier
- Rail alignment
- Chairage (e.g. 10+000)
- Tunnels external extent

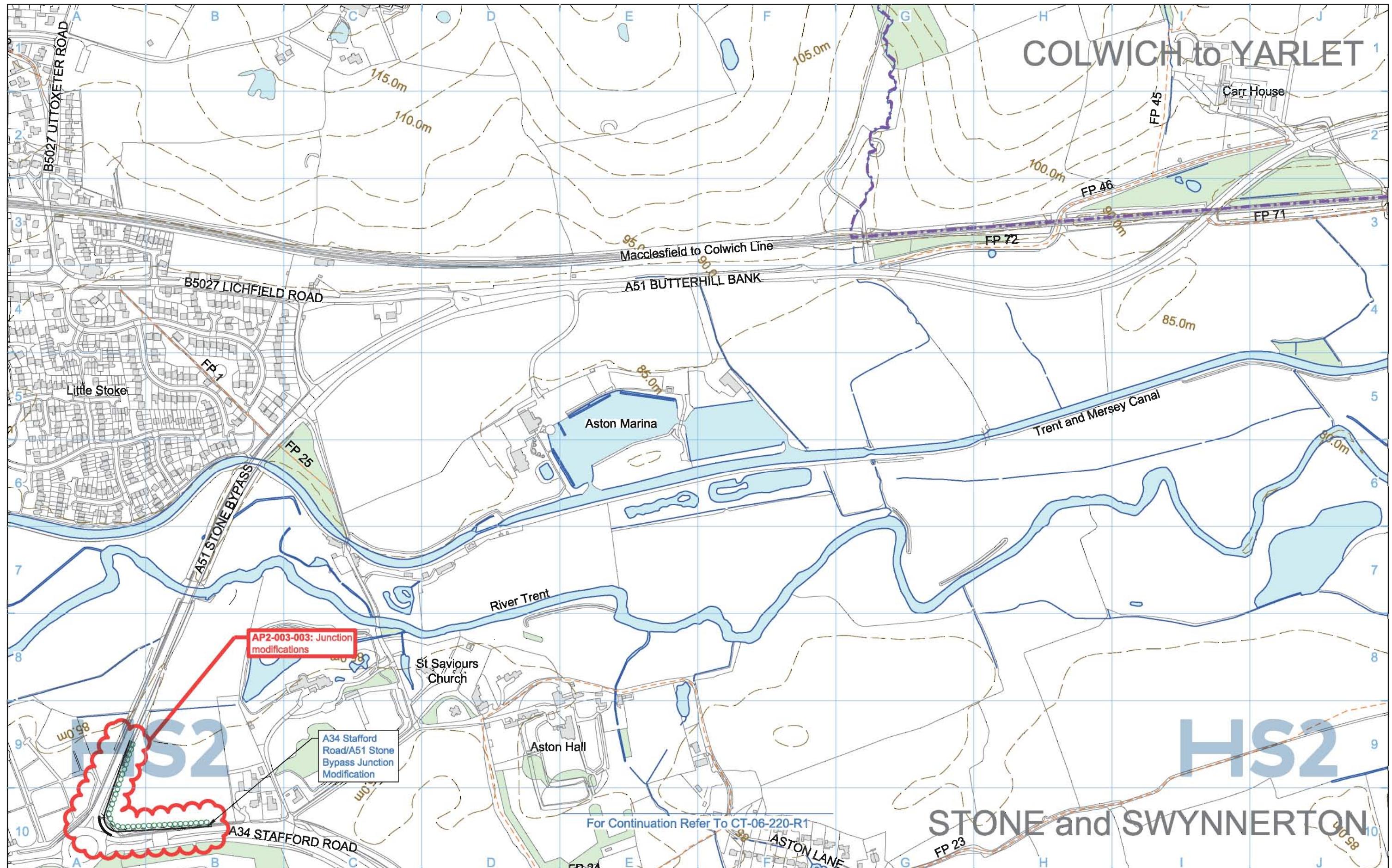
Map Number
CT-06-220b-R1
Map Name
Proposed Scheme
SES2 and AP2 ES
Community Area
CA3 Stone and Swynnerton

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Map Number: CT-06-220b-R1
Map Name: Proposed Scheme SES2 and AP2 ES
Community Area: CA3 Stone and Swynnerton
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Registration No. 06791686
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Scale at A82: 1:1,000,000,000,000,000,000,000,000,000,000
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Scale at A84: 1:5,000,000,000,000,000,000,000,000,000,000
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Scale at A128: 1:2,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000
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Scale at A130: 1:10,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000
Scale at A131: 1:20,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000
Scale at A132: 1:50,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000
Scale at A133: 1:100,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000
Scale at A134: 1:200,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000
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Scale at A137: 1:2,000,000,000,000,000,000,00

No corresponding page in the main ES

No corresponding page in the main ES



Legend

- Depot, station, headhouse or portal building
- Tunnel portal
- Electricity substation
- Land drainage area
- Ecological mitigation pond
- Balancing pond
- Replacement floodplain storage
- Woodland habitat creation
- Wetland habitat creation
- Grassland habitat creation
- Landscape mitigation planting (scrub / woodland)
- Grassed areas
- Local placement of surplus excavated material
- Public realm/Replacement community facility
- Engineering earthworks
- Landscape earthworks
- Rail alignment formation
- Returned to suitable development use
- County boundary
- Borough / District boundary
- Community Area boundary
- Watercourse diversion
- Existing watercourse
- Ditches - new
- Hedgerow habitat creation
- UT Main utility works
- Existing public right of way (PPR)
- New, diverted or realigned PPR
- Stopped-up PPrOW
- Tunnels external extent

The legend consists of eight entries, each with a colored square and a label:

- Existing woodland (green)
- Existing buildings (light grey)
- Existing inland water (blue)
- 130.0m** Existing contours (orange)
- HS2 access road (red)
- Noise fence barrier (purple)
- Rail alignment (black dashed line)
- Chainage (e.g. 10+000) (black text)

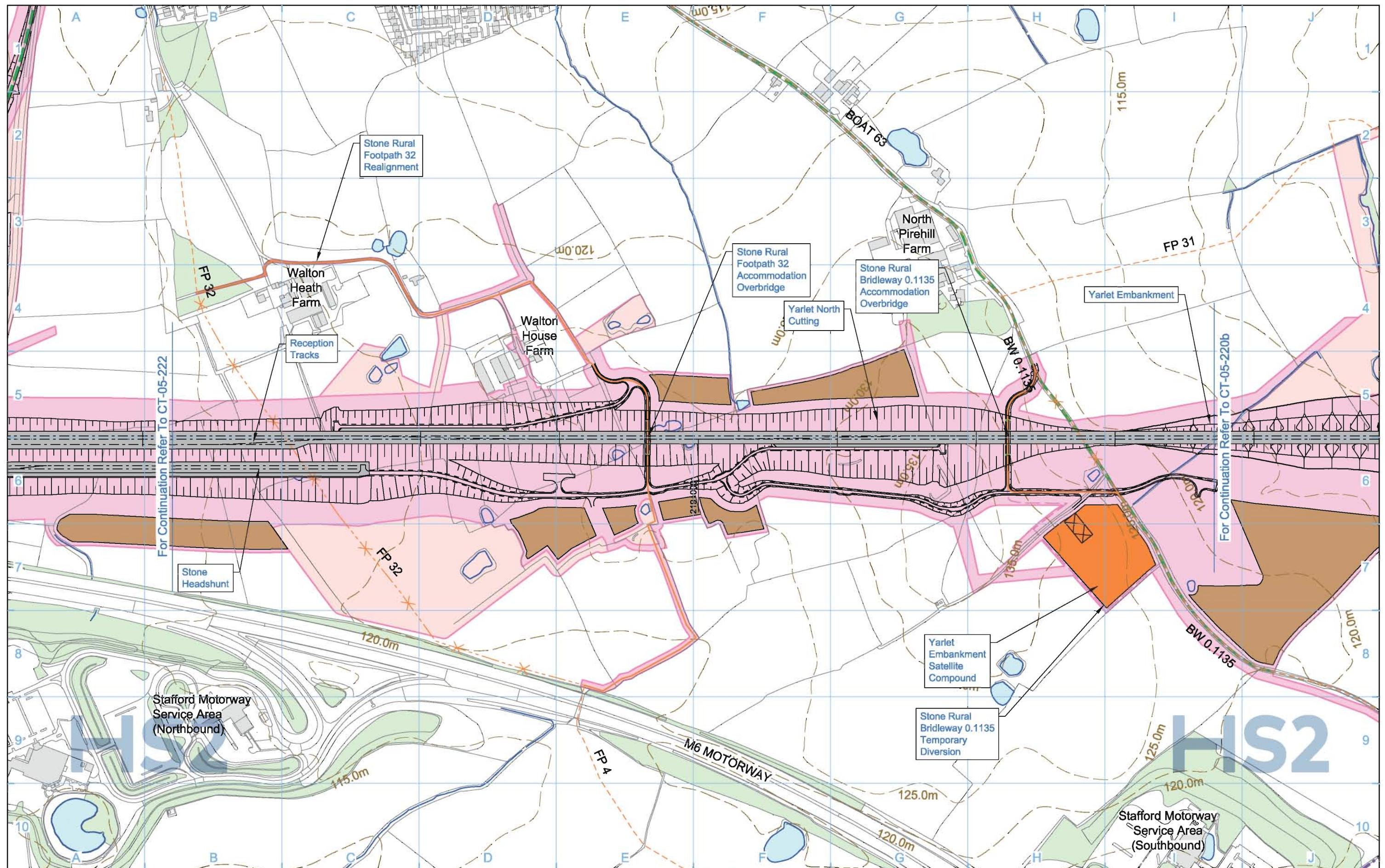
Map Number	CT-06-220-R2
Map Name	Proposed Scheme SES2 and AP2 ES
Community Area	CA3 Stone and Swynnerton



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Legend

Depot, station, headhouse or portal building	Borrow Pit	Community Area boundary
Tunnel portal	Storage / prefabrication / laydown areas	Tunnels external extent
Main construction compound	Land potentially required during construction	Construction traffic route
Satellite construction compound	Extent of land potentially required during construction for mitigation planting	Existing public right of way (PRoW)
Railway systems compound	Temporary replacement community facility	New, diverted or realigned
Temporary material stockpile		Stopped-up PRoW
		Temporary PRoW diversion / realignment

Landscape earthworks

Engineering earthworks

Temporary highway diversion / realignment

Main utility works

Rail alignment

**Chainage
(e.g. 10+000)**

Existing woodland

Existing buildings

Existing inland water

Existing watercourse

Existing contours

Rail alignment formation

Temporary workers accommodation

Map Num

CT-05-221

Construction Phase

CA3 Stone and Swynnerton

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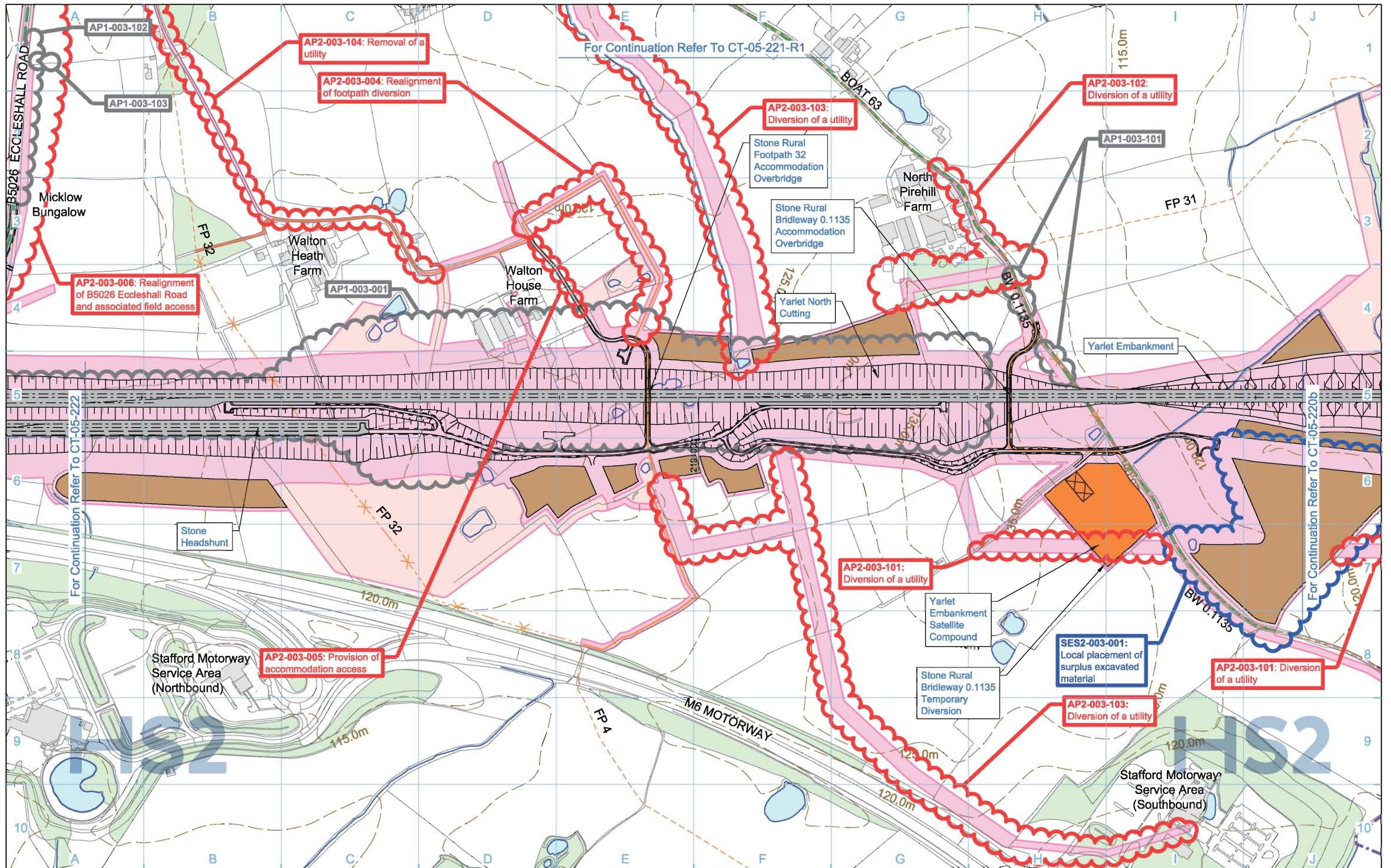
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Page 1 of 1

Metres

For more information about the study, please contact Dr. Michael J. Hwang at (319) 356-4000 or email at mhwang@uiowa.edu.

P06 Date: 08/06/17



Legend

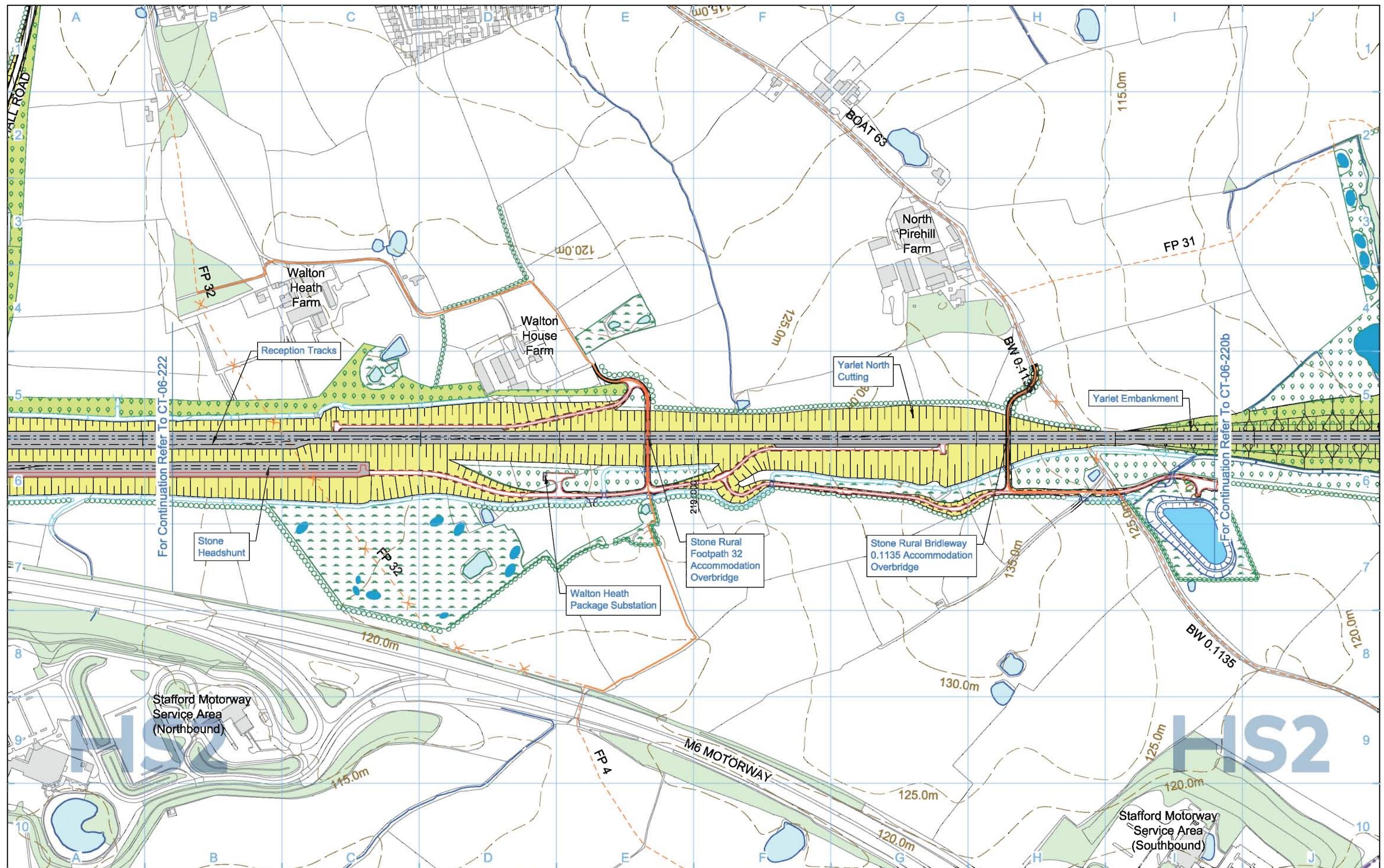
Depot, station, headhouse or portal building	Borrow Pit	Community Area boundary	Landscape earthworks	Existing woodland
Tunnel portal	Storage / prefabrication / laydown areas	Tunnels external extent	Engineering earthworks	Existing buildings
Main construction compound	Land potentially required during construction	Construction traffic route	Temporary highway diversion / realignment	Existing inland water
Satellite construction compound	Extent of land potentially required during construction for mitigation planting	Existing Public Right of Way (PRoW)	or	Existing watercourse
Railway systems compound	New, diverted or realigned PRoW	— UT — Main utility works	130.0m	Existing contours
Temporary material stockpile	Stopped-up PRoW	— Rail alignment	120.0m	Rail alignment formation
	Temporary PRoW diversion / realignment	Chainage (e.g. 10+000)	115.0m	Temporary workers accommodation

Map Number
CT-05-221
Map Name
Construction Phase SES2 and AP2 ES
Community Area
CA3 Stone and Swynnerton



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0 50 100 150 200 250 Metres
P03 Date: 11/01/19



Legend

- | | |
|--|--|
|  Depot, station, headhouse or portal building |  Replacement habitat storage |
|  Tunnel portal |  Woodland habitat creation |
|  Electricity substation |  Wetland habitat creation |
|  Land drainage area |  Grassland habitat creation |
|  Ecological mitigation pond |  Landscape mitigation planting (scrub / woodland) |
|  Balancing pond |  Grassed areas |
| |  Sustainable placement |

Public realm/Replacement

- The legend consists of two columns of icons and text descriptions. The left column contains six items: 'community facility' (blue square), 'Engineering earthworks' (yellow square with diagonal lines), 'Landscape earthworks' (green square with stylized trees), 'Rail alignment formation' (grey square), 'Returned to suitable development use' (orange square), and 'County boundary' (black dashed line). The right column contains seven items: 'Watercourse diversion' (blue arrow pointing right), 'or' (blue line with a vertical bar), 'Existing watercourse' (blue line), 'Ditches - new' (blue line with small circles), 'Hedgerow habitat creation' (green circles), 'Main utility works' (red line with a red 'UT' label), 'Existing public right of way (PRoW)' (dashed blue line), 'New, diverted or realigned PRoW' (orange line), and 'Stopped-up PRoW' (dashed orange line with a red asterisk).

Existing woodland

Existing woodland

Existing buildings

Existing inland water
Existing contours

Existing contours

HSZ access road
Noise fence barrier

- Noise fence barrier
- Rail alignment

Rail alignment
Chapago

Chainage
(e.g. 10+000)

CT-06-221

Proposed Scheme



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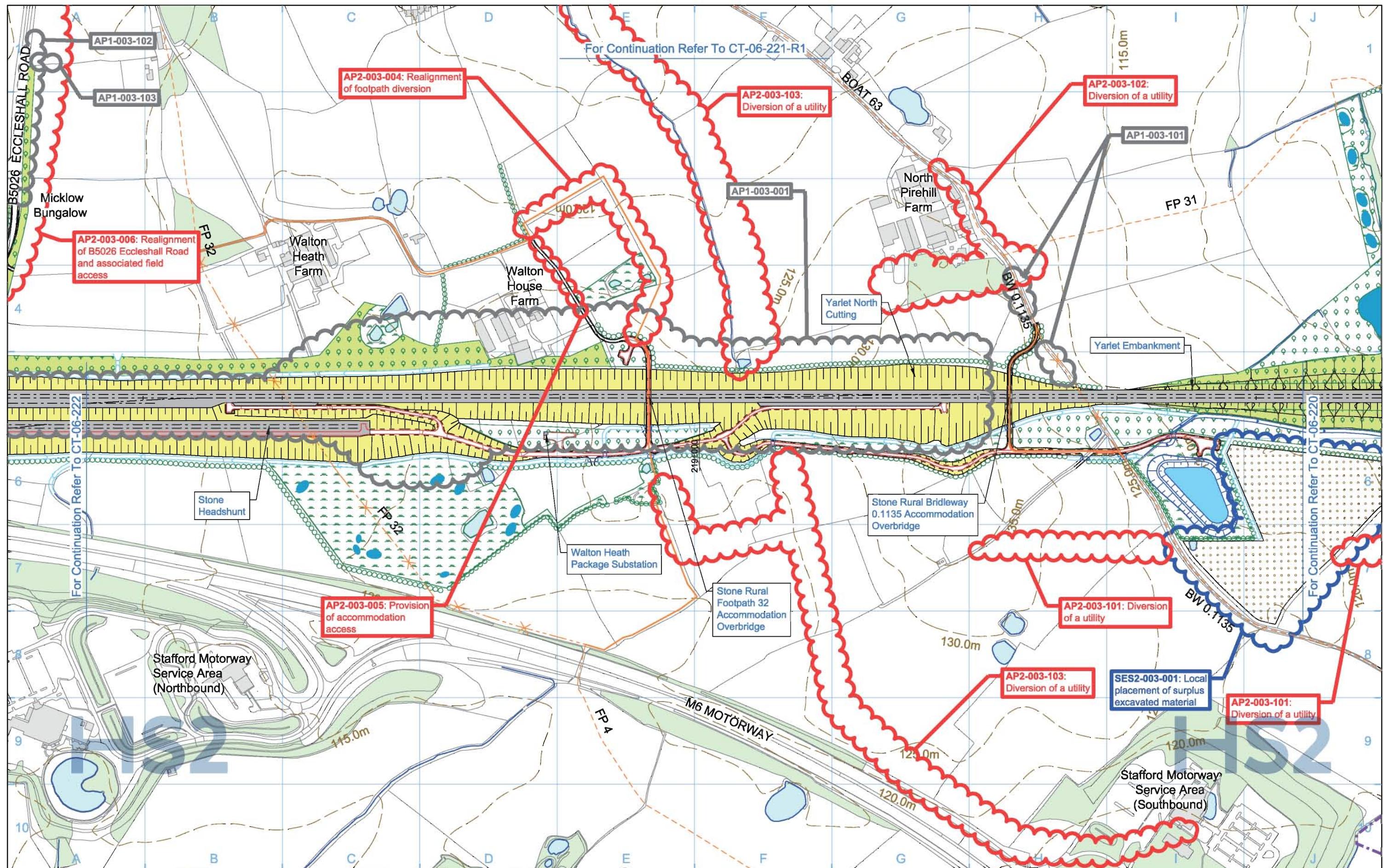
ARP-EV-DPL-000-05

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For more information about the study, please contact Dr. Michael J. Koenig at (314) 747-2000 or via email at koenig@dfci.harvard.edu.

P05 Date: 08/06/17



Legend

Depot, station, headhouse or portal building	Replacement floodplain storage	Public realm/Replacement community facility
Tunnel portal	Woodland habitat creation	Engineering earthworks
Electricity substation	Wetland habitat creation	Landscape earthworks
Land drainage area	Grassland habitat creation	Rail alignment formation
Ecological mitigation pond	Landscape mitigation planting (scrub / woodland)	Returned to suitable development use
Balancing pond	Grassed areas	County boundary
	Local placement of surplus excavated material	Borough / District boundary

The legend includes the following entries:

- Community Area boundary
- Watercourse diversion
- Existing watercourse
- Ditches - new
- Hedgerow habitat creation
- Main utility works
- Existing public right of way (PRoW)
- New, diverted or realigned PRoW
- Stopped-up PRoW
- Tunnels external extent
- Existing woodland
- Existing building
- Existing inland water
- Existing contour
- HS2 access road
- Noise fence barrier
- Rail alignment
- Chainage (e.g. 10+000)

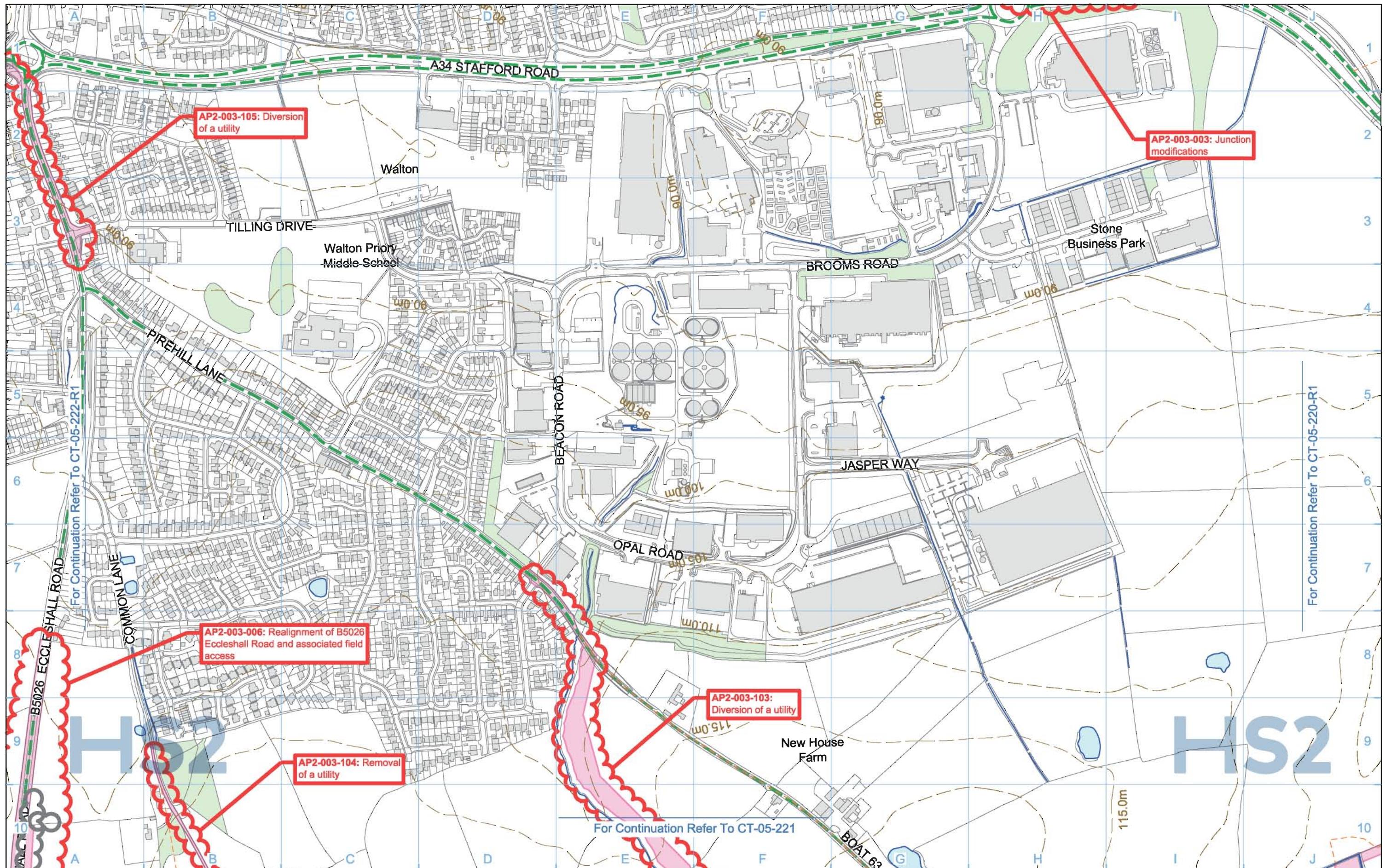
Map Number	CT-06-221
Map Name	Proposed Scheme SES2 and AP2 ES
Community Area	CA3 Stone and Swynnerton



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Legend	
Depot, station, headhouse or portal building	Borrow Pit
Tunnel portal	Storage / prefabrication / laydown areas
Main construction compound	Land potentially required during construction
Satellite construction compound	Extent of land potentially required during construction for mitigation planting
Railway systems compound	Temporary replacement community facility
Temporary material stockpile	

	Community Area boundary	Landscape earthworks	Existing woodland
	Tunnels external extent	Engineering earthworks	Existing buildings
	Construction traffic route	Temporary highway diversion / realignment	Existing inland water
	Existing Public Right of Way (PRoW)	or	Existing watercourse
	New, diverted or realigned PRoW	- UT - Main utility works	Existing contours
	Stopped-up PRoW	130.0m	Existing contours
	Temporary PRoW diversion / realignment	Rail alignment	Rail alignment formation
		Chainage (e.g. 10+000)	Temporary workers accommodation

10+000	10+000

Map Number	CT-05-221-R1
Map Name	Construction Phase SES2 and AP2 ES
Community Area	CA3 Stone and Swynnerton

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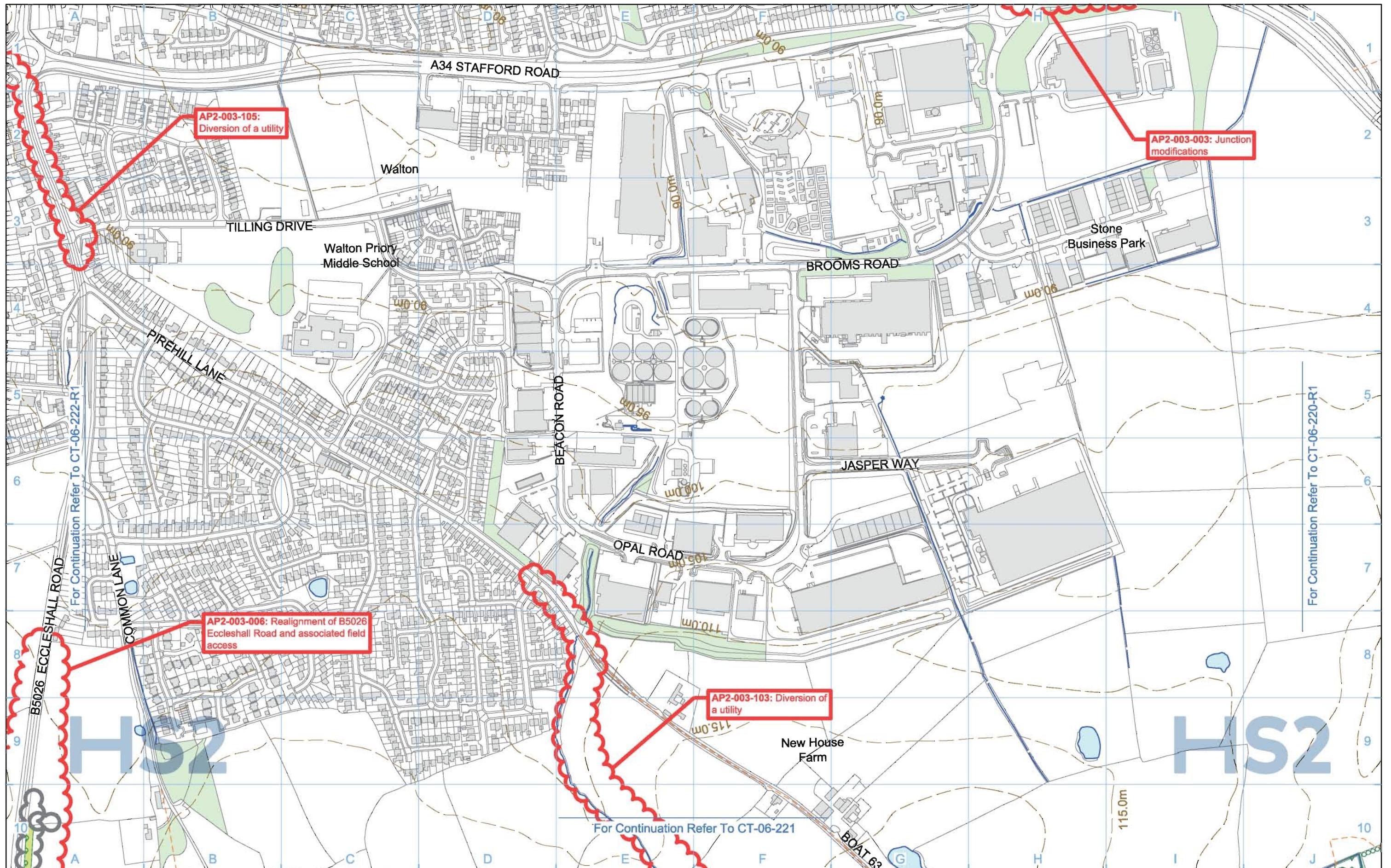
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P03 Date: 11/01/19



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Legend	
Depot, station, headhouse or portal building	Replacement floodplain storage
Tunnel portal	Woodland habitat creation
Electricity substation	Engineering earthworks
Land drainage area	Wetland habitat creation
Ecological mitigation pond	Grassland habitat creation
Balancing pond	Landscape mitigation planting (scrub / woodland)
	Grassed areas
	Local placement of surplus excavated material

Community Area boundary
Watercourse diversion
or
Existing watercourse
Ditches - new
Hedgerow habitat creation
Main utility works
Returned to suitable development use
Landscaping planting (scrub / woodland)
County boundary
Borough / District boundary
Tunnels external extent

Existing woodland
Existing buildings
Existing inland water
Existing contours
HS2 access road
Noise fence barrier
New, diverted or realigned PRoW
Stop-up PRoW
Rail alignment
Chairage
(e.g. 10+000)

Map Number	CT-06-221-R1
Map Name	Proposed Scheme SES2 and AP2 ES
Community Area	CA3 Stone and Swynnerton



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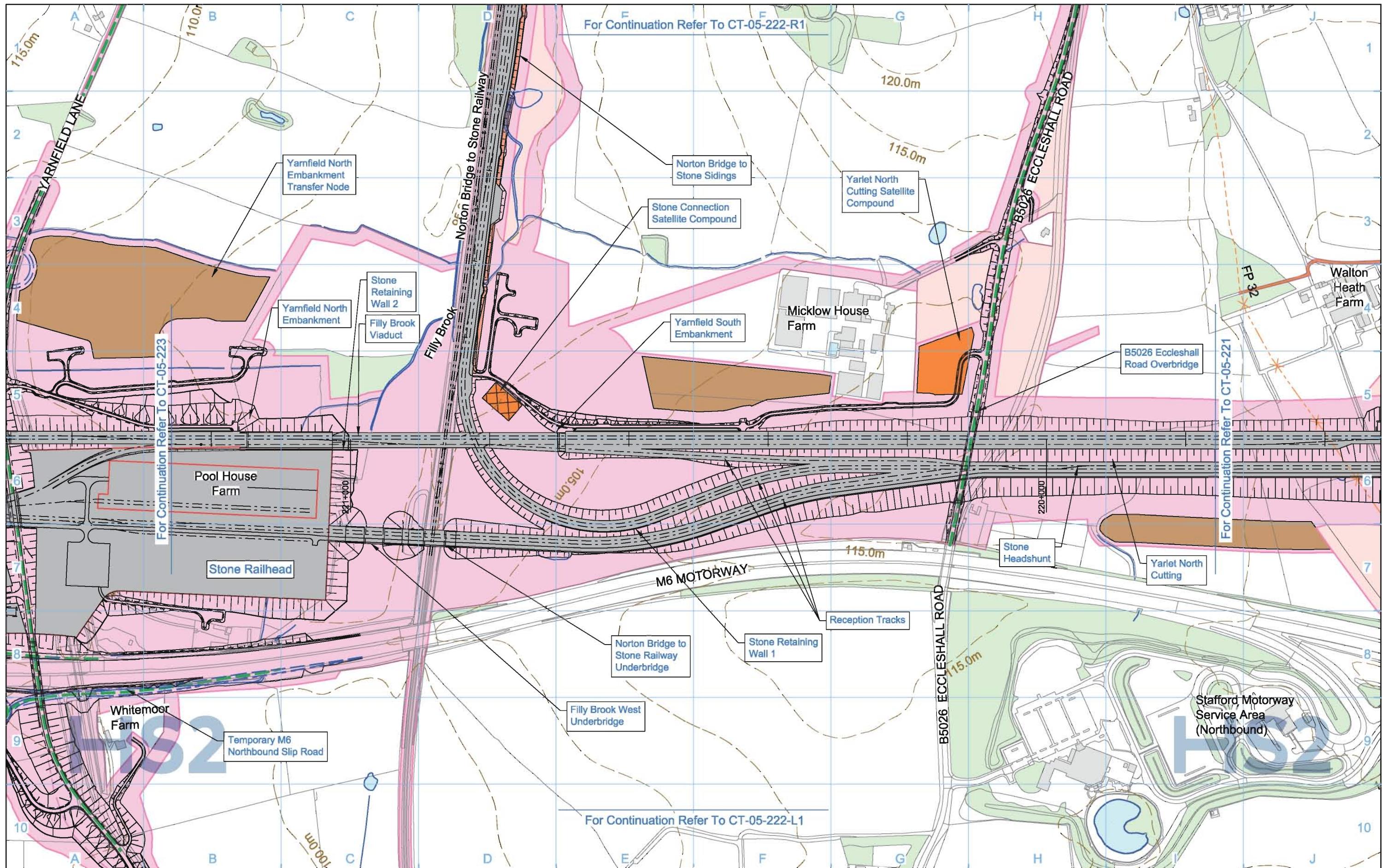
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P03 Date: 11/01/19



Legend	
Depot, station, headhouse or portal building	Borrow Pit
Tunnel portal	Storage / prefabrication / laydown areas
Main construction compound	Land potentially required during construction
Satellite construction compound	Extent of land potentially required during construction for mitigation planting
Railway systems compound	Temporary replacement community facility
Temporary material stockpile	

Community Area boundary
Existing public right of way (PRoW)
New, diverted or realigned PRoW
Stoped-up PRoW
Temporary PRoW diversion / realignment

Landscape earthworks	Existing woodland
Engineering earthworks	Existing buildings
Temporary highway diversion / realignment	Existing inland water
- UT - Main utility works	Existing contours
Stoped-up PRoW	Rail alignment
Temporary PRoW diversion / realignment	Chainage (e.g. 10+000)

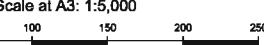
Map Number	CT-05-222
Map Name	Construction Phase
Community Area	CA3 Stone and Swynnerton

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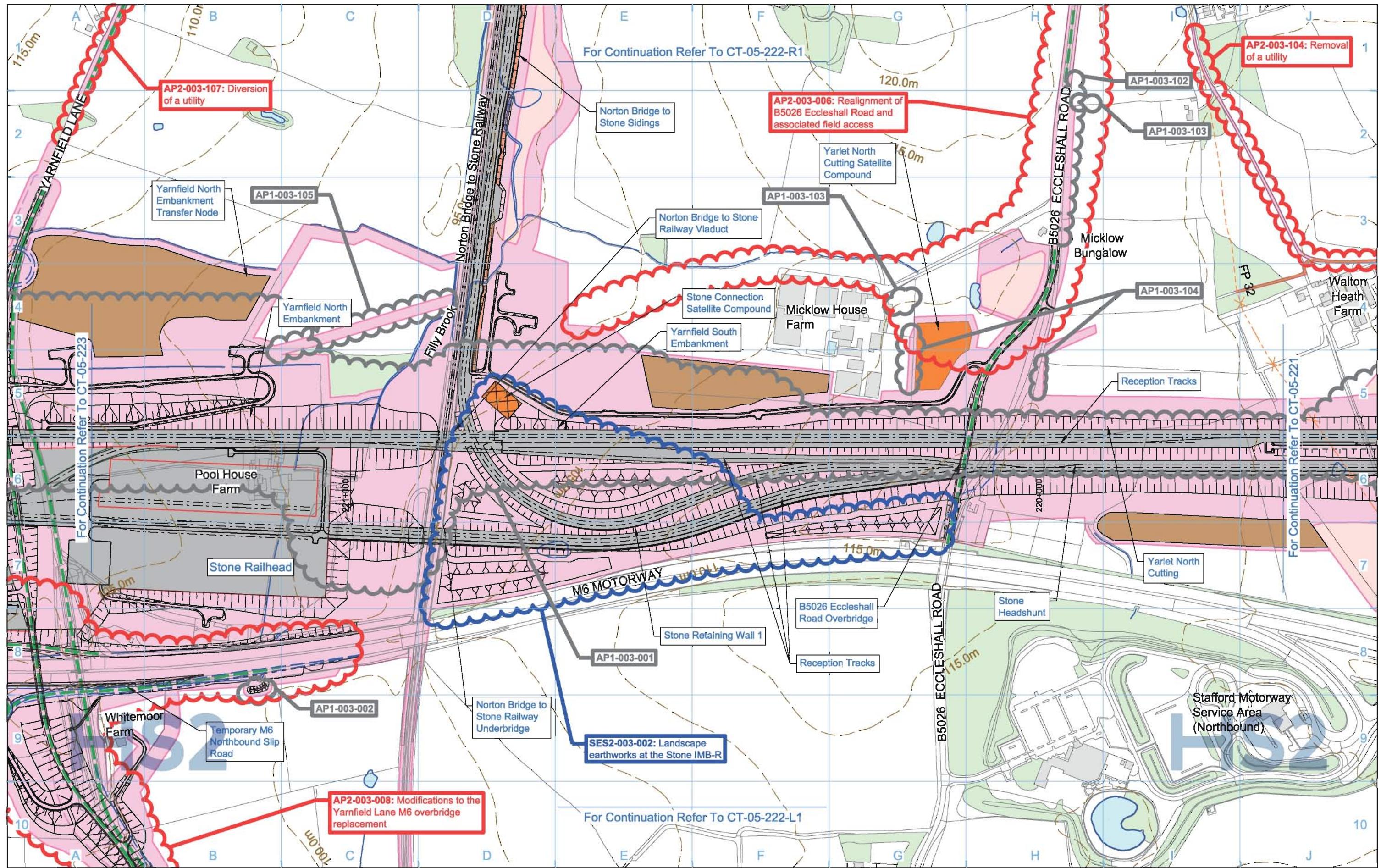
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Doc Number: C861-ARP-EV-DPL-000-055222

P06 Date: 08/06/17



Legend

- The legend consists of two columns of colored boxes with corresponding labels:

 - Depot, station, headhouse or portal building**: Gray box
 - Tunnel portal**: Blue-gray box
 - Main construction compound**: Yellow box
 - Satellite construction compound**: Orange box
 - Railway systems compound**: Brown box with diagonal hatching
 - Temporary material stockpile**: Brown box
 - Borrow pit**: Orange box
 - Storage / prefabrication / laydown areas**: Teal box
 - Land potentially required during construction**: Pink box
 - Extent of land potentially required during construction for mitigation planting**: Light pink box
 - Temporary replacement community facility**: Magenta box

Community Area boundary

- — — Tunnels external extent
 - Construction traffic route
 - - - Existing Public Right of Way (PRoW)
 - New, diverted or realigned PRoW
 - * - Stopped-up PRoW
 - . - Temporary PRoW
 - - diversion / realignment

人 人 人 Landscape earthworks

- The legend includes the following entries:

 - Engineering earthworks**: Represented by a vertical bar with horizontal lines.
 - Existing buildings**: Represented by a light gray square.
 - Temporary highway diversion / realignment**: Represented by a blue dashed line.
 - Existing inland water**: Represented by a blue rectangle.
 - Main Utility works**: Represented by a red line with a red arrowhead.
 - Existing watercourse**: Represented by a blue line.
 - Rail alignment**: Represented by a black dashed line.
 - Existing contours**: Represented by a green line labeled "130.0m".
 - Chainage (e.g. 10+000)**: Represented by a black line with a vertical label.
 - Rail alignment formation**: Represented by a gray square.
 - Temporary workers accommodation**: Represented by a red square.

Map

CT-05-222

Construction Phase
SES2 and AP2 ES

CA3 Stone and Swynnerton

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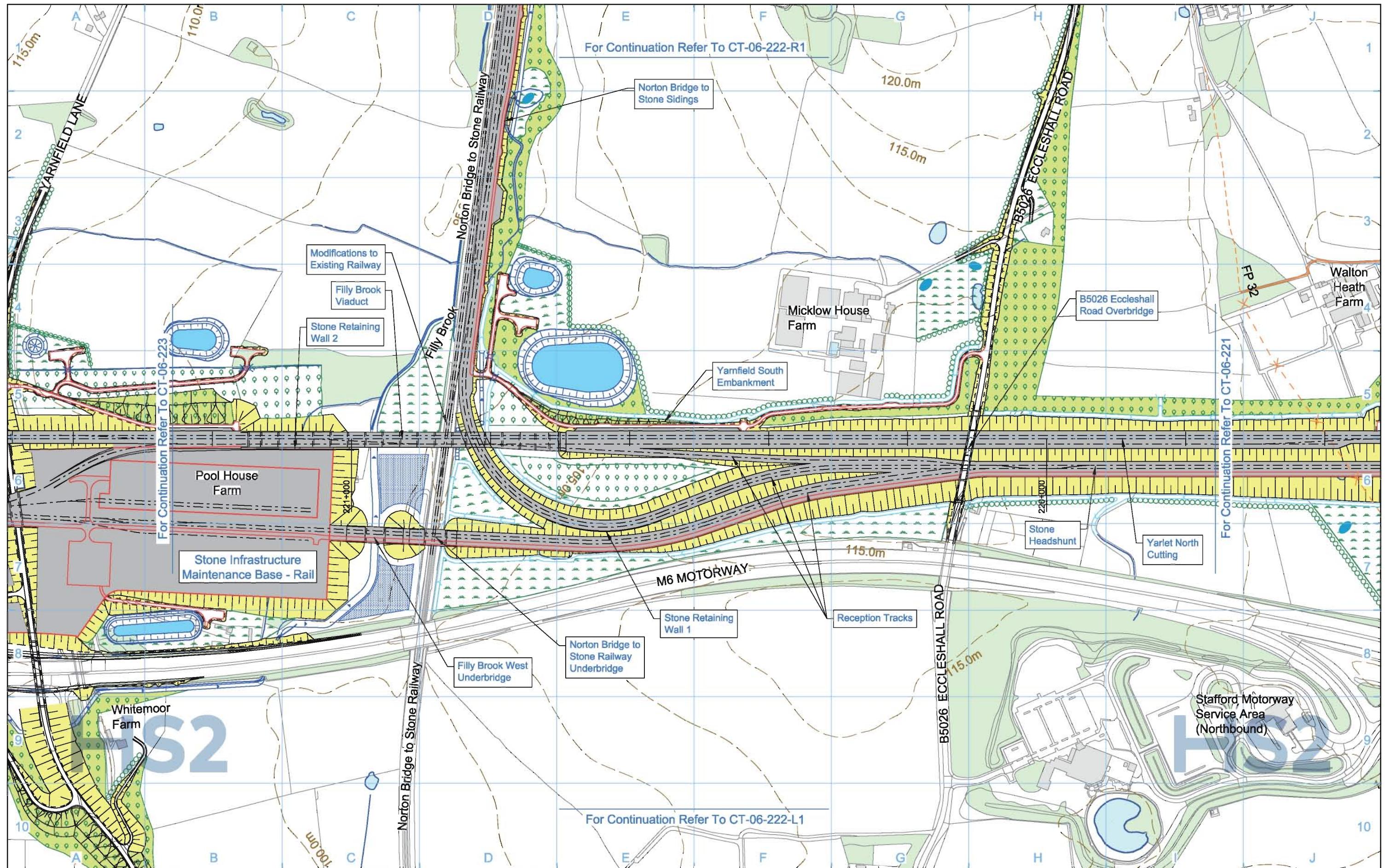
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Scale at A3: 1:5,000

Page 2 of 4



Legend

Depot, station, headhouse or portal building	Replacement floodplain storage	Public realm/Replacement community facility	Community Area boundary
Tunnel portal	Woodland habitat creation	Engineering earthworks	Watercourse diversion
Electricity substation	Wetland habitat creation	Landscape earthworks	Existing watercourse
Land drainage area	Grassland habitat creation	Rail alignment formation	Ditches - new
Ecological mitigation pond	Landscape mitigation planting (scrub / woodland)	Returned to suitable development use	Hedgerow habitat creation
Balancing pond	Grassed areas	County boundary	Main utility works
	Sustainable placement	Borough / District boundary	Existing public right of way (PRoW)
			New, diverted or realigned PRoW
			Stopped-up PRoW

The legend consists of eight entries, each with a colored square and a label:

- Existing woodland (light green)
- Existing buildings (light grey)
- Existing inland water (blue)
- 130.0m Existing contours (dark grey)
- HS2 access road (red)
- Noise fence barrier (purple)
- Rail alignment (black dashed line)
- Chainage (e.g. 10+000) (black text)

Map Num

CT-06-222

Proposed Scheme

CA3 Stone and Swynnerton

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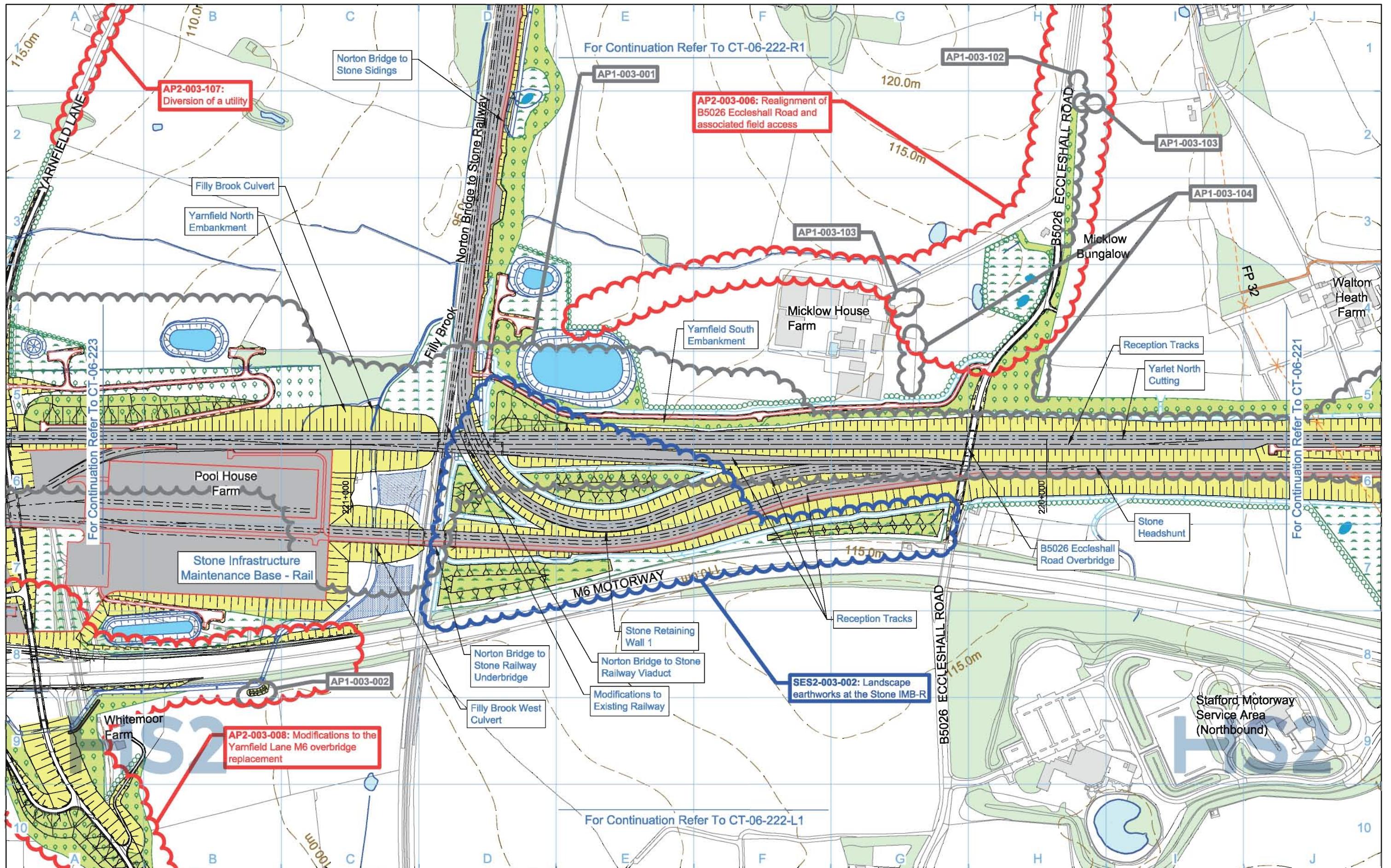
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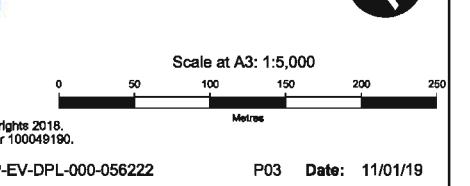
Legend	
Depot, station, headhouse or portal building	Replacement floodplain storage
Tunnel portal	Woodland habitat creation
Electricity substation	Engineering earthworks
Land drainage area	Wetland habitat creation
Ecological mitigation pond	Grassland habitat creation
Balancing pond	Landscape mitigation planting (scrub / woodland)
	Grassed areas
	Local placement of surplus excavated material

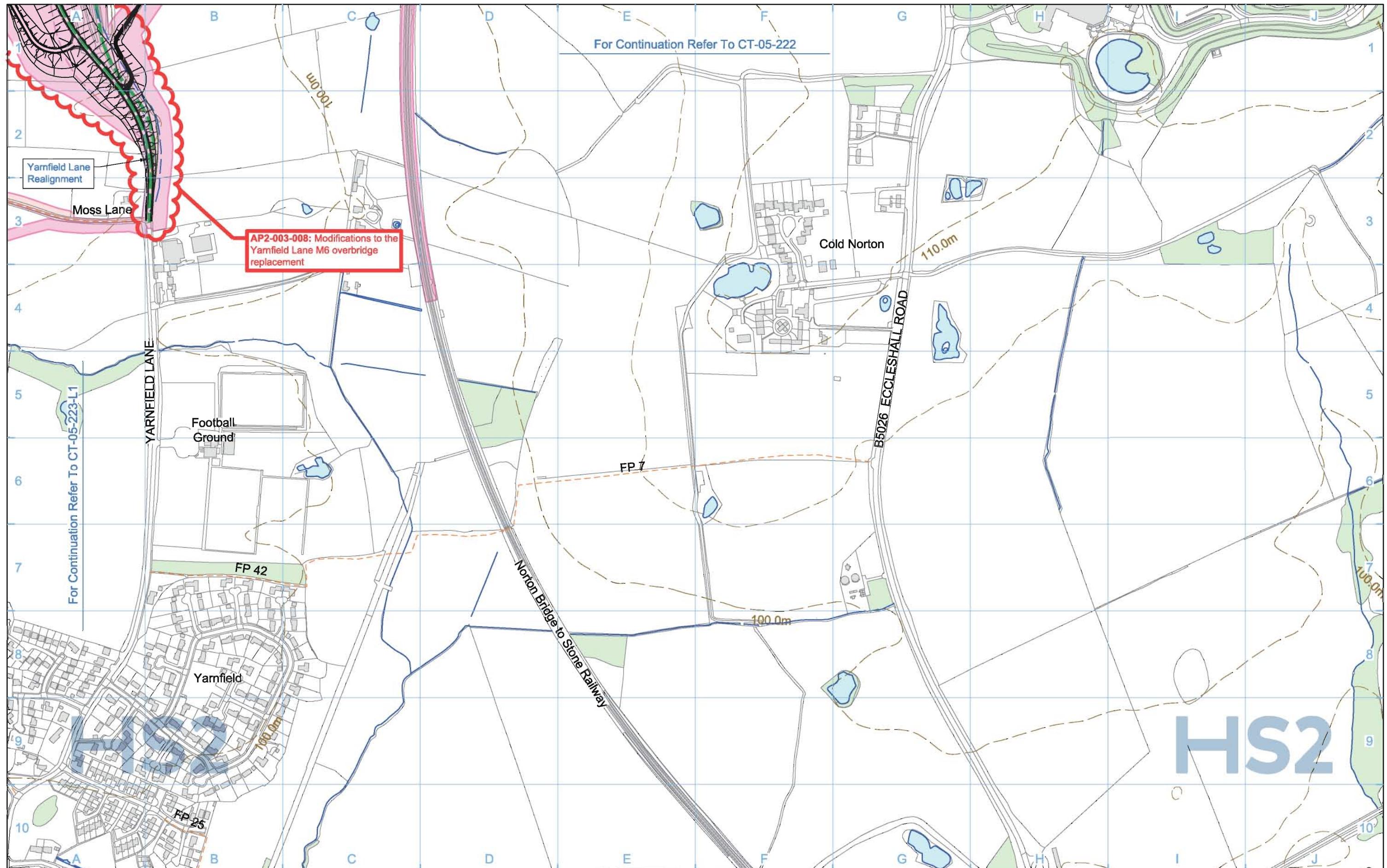
Community Area boundary
Watercourse diversion
Existing watercourse
Ditches - new
Hedgerow habitat creation
Main utility works
Returned to suitable development use
Existing public right of way (PROw)
New, diverted or realigned PROw
Stopped-up PROw
Noise fence barrier
Rail alignment
Chainage (e.g. 10+000)

Existing woodland
Existing buildings
Existing inland water
Existing contours
HS2 access road
Noise fence barrier
Rail alignment
Chainage (e.g. 10+000)

Map Number	CT-06-222
Map Name	Proposed Scheme SES2 and AP2 ES
Community Area	CA3 Stone and Swynnerton

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Legend

Depot, station, headhouse or portal building	Borrow Pit	Community Area boundary
Tunnel portal	Storage / prefabrication / laydown areas	Tunnels external extent
Main construction compound	Land potentially required during construction	Construction traffic route
Satellite construction compound	Extent of land potentially required during construction for mitigation planting	Existing Public Right of Way (PRoW)
Railway systems compound	Temporary replacement community facility	New, diverted or realigned PRoW
Temporary material stockpile		Stopped-up PRoW
		Temporary PRoW diversion / realignment

The legend includes the following entries:

- Landscape earthworks: Three triangles symbol
- Engineering earthworks: Stacked horizontal bars symbol
- Temporary highway diversion / realignment: Dashed blue line symbol
- Main utility works: Red line symbol labeled "UT"
- Rail alignment: Dashed black line symbol
- Chainage: Text "(e.g. 10+000)"
- Existing woodland: Green shaded area
- Existing buildings: Grey shaded area
- Existing inland water: Blue shaded area
- Existing watercourse: Blue line symbol
- or: Small blue line symbol with a vertical bar
- Existing contours: Yellow line symbol labeled "130.0m"
- Rail alignment formation: Grey shaded area
- Temporary workers accommodation: Red shaded area

Map Number	CT-05-222-L1
Map Name	Construction Phase SES2 and AP2 ES
Community Area	CA3 Stone and Swynnerton

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Legend

- Depot, station, headhouse or portal building
- Tunnel portal
- Electricity substation
- Land drainage area
- Ecological mitigation pond
- Balancing pond
- Replacement floodplain storage
- Woodland habitat creation
- Wetland habitat creation
- Grassland habitat creation
- Landscape mitigation planting (scrub / woodland)
- Grassed areas
- Sustainable placement

Community Area boundary
Watercourse diversion
Existing watercourse
Ditches - new
Hedgerow habitat creation
Main utility works
Existing public right of way (PROw)
New, diverted or realigned PROw
Stopped-up PROw
Rail alignment formation
Returned to suitable development use
County boundary
Borough / District boundary
10+000
130.0m
100.0m
110.0m

Map Number
Map Name
Proposed Scheme
Community Area
CA3 Stone and Swynnerton

CT-06-222-L1

Proposed Scheme

CA3 Stone and Swynnerton

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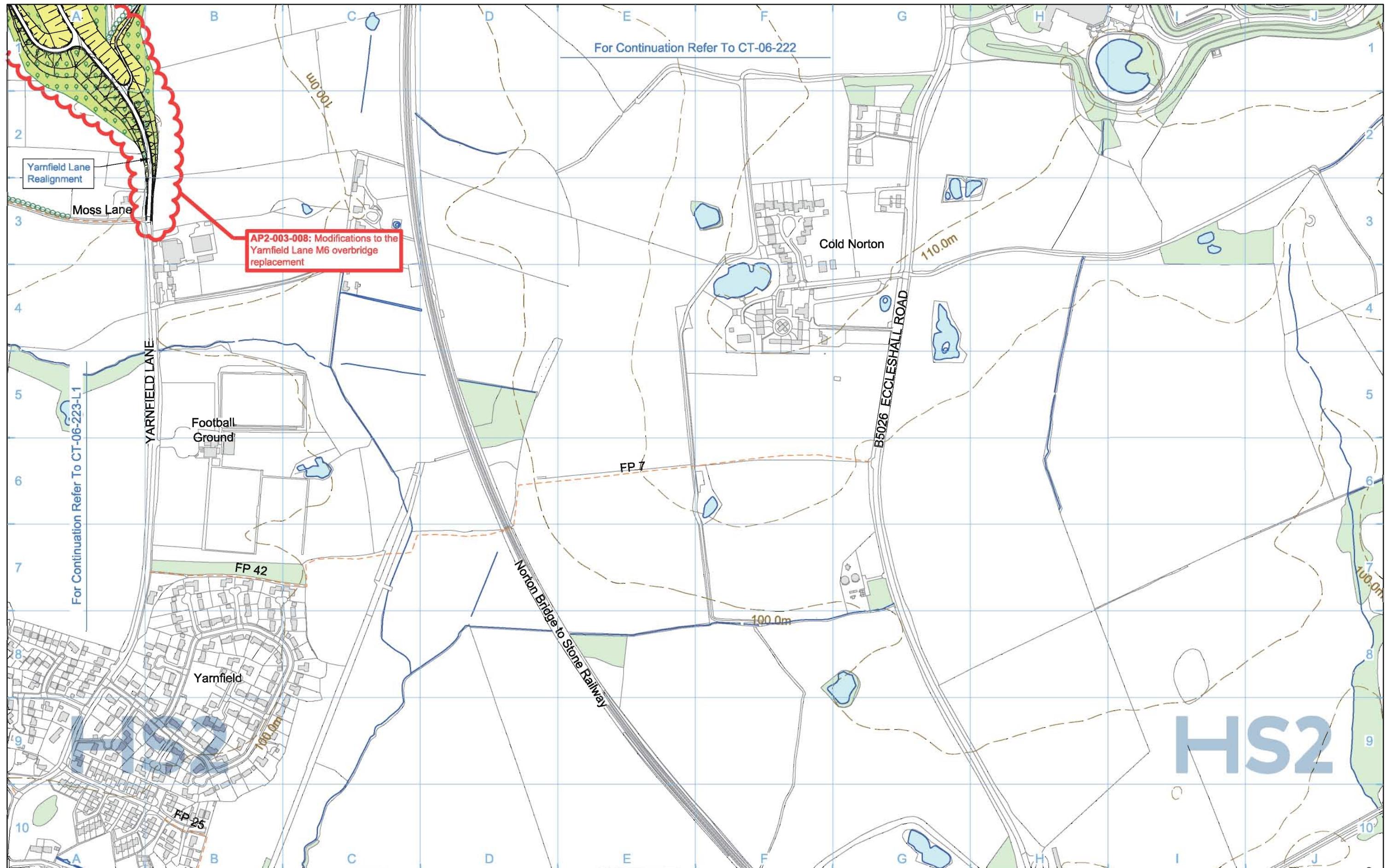
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P03 Date: 08/06/17



Legend

Depot, station, headhouse or portal building	Replacement floodplain storage	Public realm/Replacement community facility	Community Area boundary
Tunnel portal	Woodland habitat creation	Engineering earthworks	Watercourse diversion
Electricity substation	Wetland habitat creation	Landscape earthworks	Existing watercourse
Land drainage area	Grassland habitat creation	Rail alignment formation	Ditches - new
Ecological mitigation pond	Landscape mitigation planting (scrub / woodland)	Returned to suitable development use	Hedgerow habitat creation
Balancing pond	Grassed areas	County boundary	Main utility works
	Local placement of surplus excavated material	Borough / District boundary	Existing public right of way (PRoW)
			New, diverted or realigned PRoW
			Stopped-up PRoW
			Tunnels external extent

Map Number	CT-06-222-L1
Map Name	Proposed Scheme SES2 and AP2 ES
Community Area	CA3 Stone and Swynnerton

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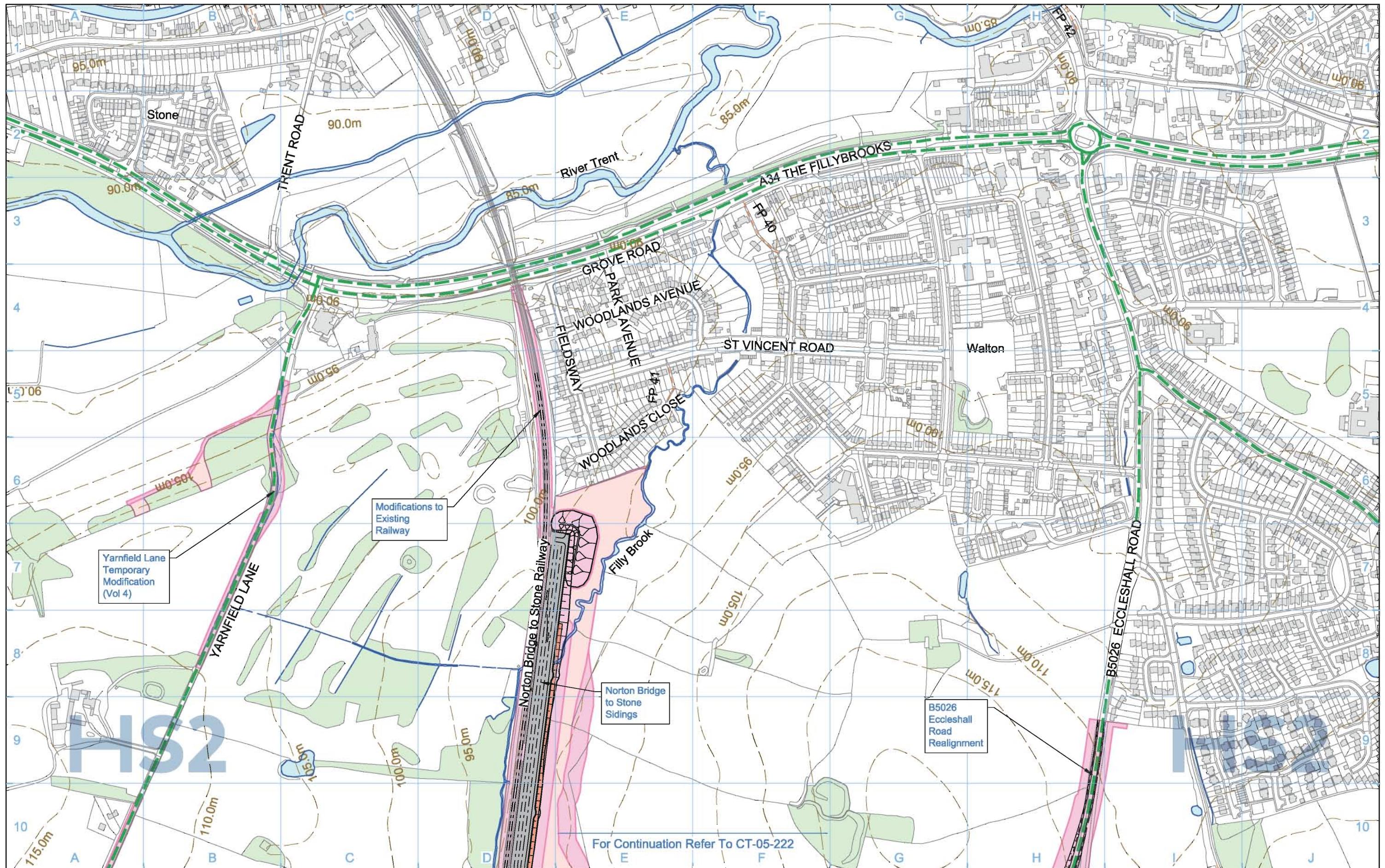
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Legend	
Depot, station, headhouse or portal building	Borrow Pit
Tunnel portal	Storage / prefabrication / laydown areas
Main construction compound	Land potentially required during construction
Satellite construction compound	Extent of land potentially required during construction for mitigation planting
Railway systems compound	Temporary replacement community facility
Temporary material stockpile	

Community Area boundary
Tunnels external extent
Construction traffic route
Existing public right of way (PRoW)
New, diverted or realigned PRoW
Stopped-up PRoW
Temporary PRoW diversion / realignment

Landscape earthworks
Engineering earthworks
Temporary highway diversion / realignment
Existing contours
Main utility works
Rail alignment
Chainage (e.g. 10+000)

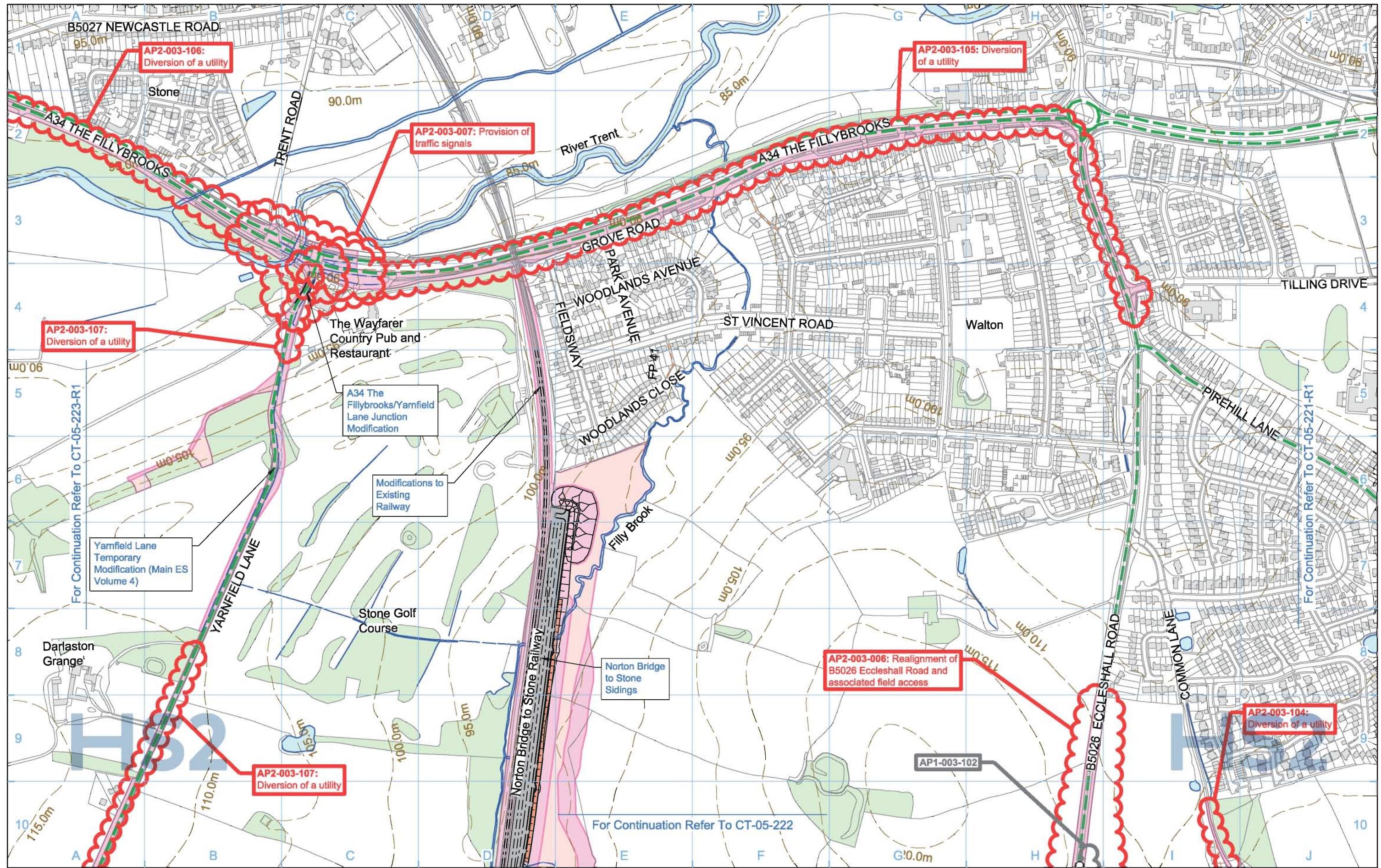
Map Number	CT-05-222-R1
Map Name	Construction Phase
Community Area	CA3 Stone and Swynnerton

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The legend consists of two columns of colored squares with corresponding labels:

- Legend**
- Borrow Pit**
- Depot, station, headhouse or portal building**
- Tunnel portal**
- Main construction compound**
- Satellite construction compound**
- Railway systems compound**
- Temporary material stockpile**
- Storage / prefabrication / laydown areas**
- Land potentially required during construction**
- Extent of land potentially required during construction for mitigation planting**
- Temporary replacement community facility**

Community Area boundary		Landscape earthworks		Existing woodland
Tunnels external extent		Engineering earthworks		Existing buildings
Construction traffic route		Temporary highway diversion / realignment		Existing inland water
Existing Public Right of Way (RoW)		Main utility works		Existing watercourse
New, diverted or realigned PRoW		Rail alignment		130.0m Existing contours
Dropped-up PRoW		Chainage (e.g. 10+000)		Rail alignment formation
Temporary PRoW				Temporary workers accommodation
Version / realignment				

Map Number	CT-05-222-R1
Map Name	Construction Phase SES2 and AP2 ES
Community Area	CA3 Stone and Swynnerton

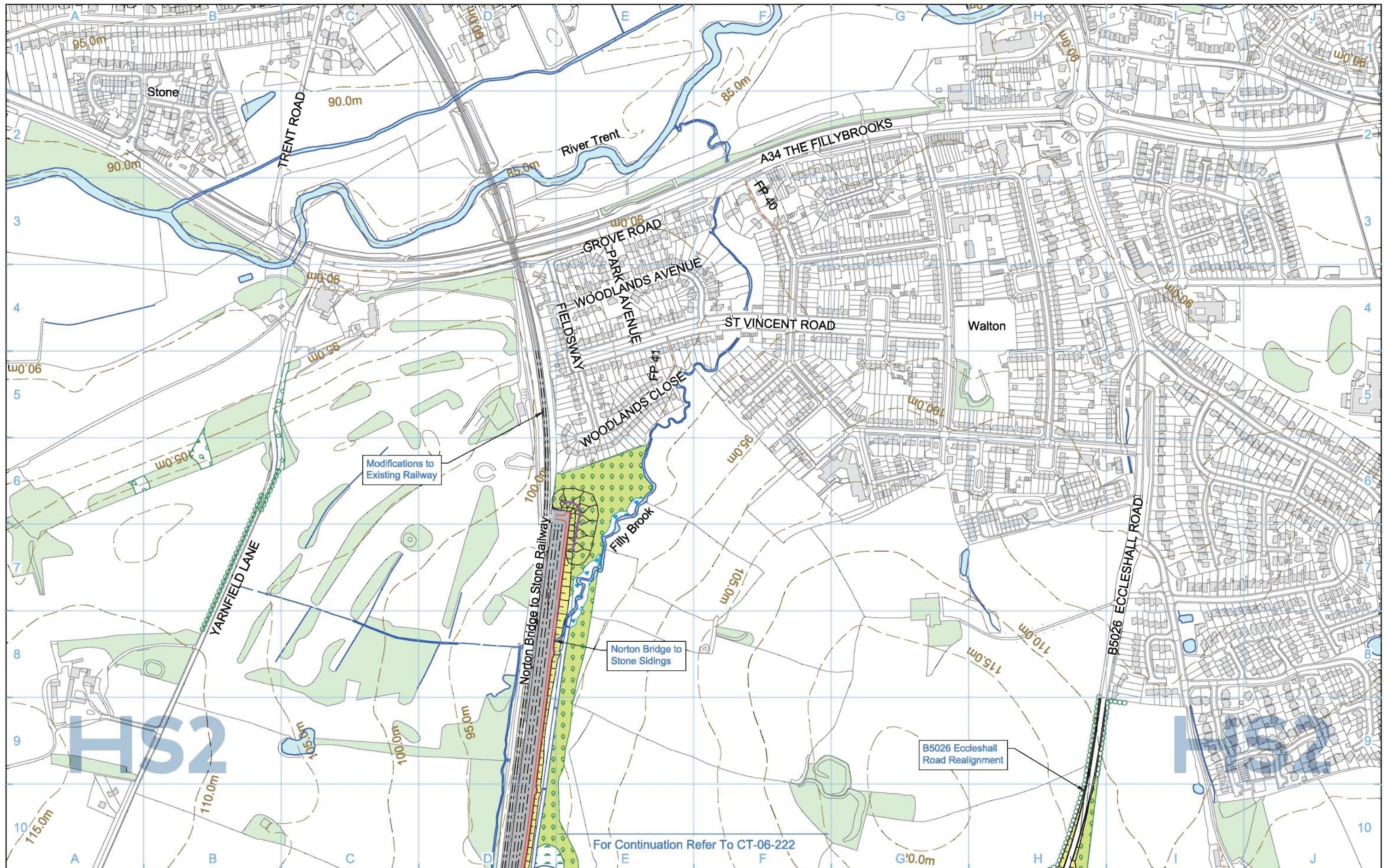
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Legend

- Depot, station, headhouse or portal building
- Tunnel portal
- Electricity substation
- Land drainage area
- Ecological mitigation pond
- Balancing pond
- Replacement floodplain storage
- Woodland habitat creation
- Wetland habitat creation
- Grassland habitat creation
- Landscape mitigation planting (scrub / woodland)
- Grassed areas
- Sustainable placement
- Public realm/Replacement community facility
- Engineering earthworks
- Landscape earthworks
- Rail alignment formation
- Returned to suitable development use
- County boundary
- Borough / District boundary
- 10+000
- 130.0m
- Existing woodland
- Existing buildings
- Existing inland water
- Existing contours
- HS2 access road
- Noise fence barrier
- Rail alignment
- Chainage (e.g. 10+000)
- Community Area boundary
- Watercourse diversion
- Existing watercourse
- Ditches - new
- Hedgerow habitat creation
- UT Main utility works
- Existing public right of way (PROW)
- New, diverted or realigned PROW
- Stopped-up PROW
- Rail alignment
- Chainage
- Tunnels external extent

For Continuation Refer To CT-06-222

Map Number
CT-06-222-R1

Map Name
Proposed Scheme

Community Area
CA3 Stone and Swynnerton

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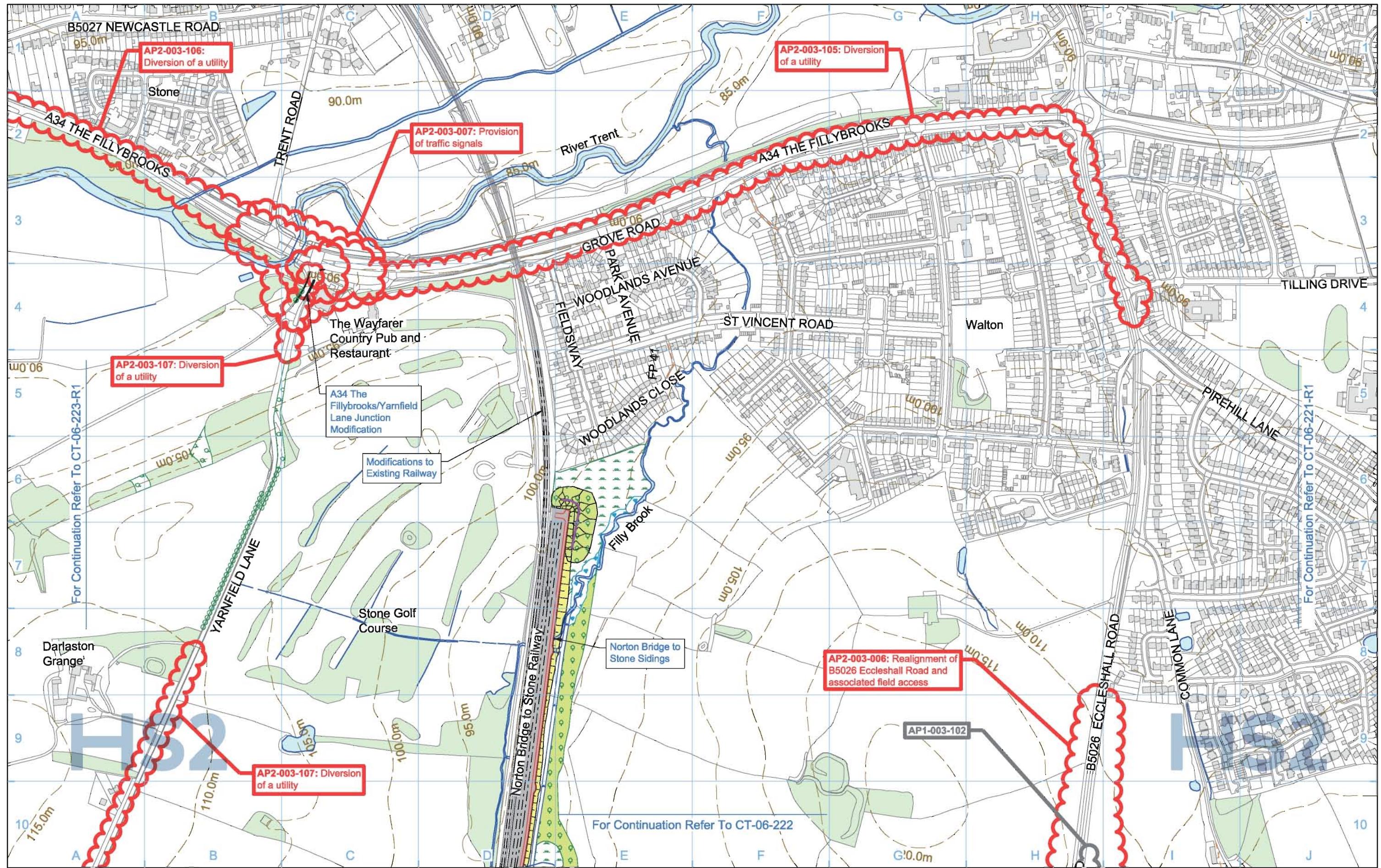
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The legend is organized into two columns. The left column lists eight categories with corresponding colored squares: Depot, station, headhouse or portal building (red), Tunnel portal (grey), Electricity substation (purple), Land drainage area (blue), Ecological mitigation pond (teal), and Balancing pond (light blue). The right column lists nine categories with corresponding symbols: Replacement floodplain storage (blue grid), Woodland habitat creation (green trees), Wetland habitat creation (blue water droplets), Grassland habitat creation (green grass), Landscape mitigation planting (scrub / woodland) (green trees with small dots), Grassed areas (green grass), Local placement of surplus excavated material (white circles), Public realm/Replacement community facility (pink square), Engineering earthworks (yellow wavy lines), Landscape earthworks (green triangles), Rail alignment formation (grey rectangle), Returned to suitable development use (orange square), County boundary (black dashed line), and Borough / District boundary (orange dashed line with cross).

The legend includes the following entries:

- Community Area boundary
- Watercourse diversion
- Existing watercourse
- Ditches - new
- Hedgerow habitat creation
- Main utility works
- Existing public right of way (PRoW)
- New, diverted or realigned PRoW
- Stopped-up PRoW
- Tunnels external extent
- Existing woodland
- Existing building
- Existing inland water
- Existing contour
- HS2 access road
- Noise fence barrier
- Rail alignment
- Chainage (e.g. 10+000)

Map Number	CT-06-222-R1
Map Name	Proposed Scheme SES2 and AP2 ES
Community Area	CA3 Stone and Swynnerton

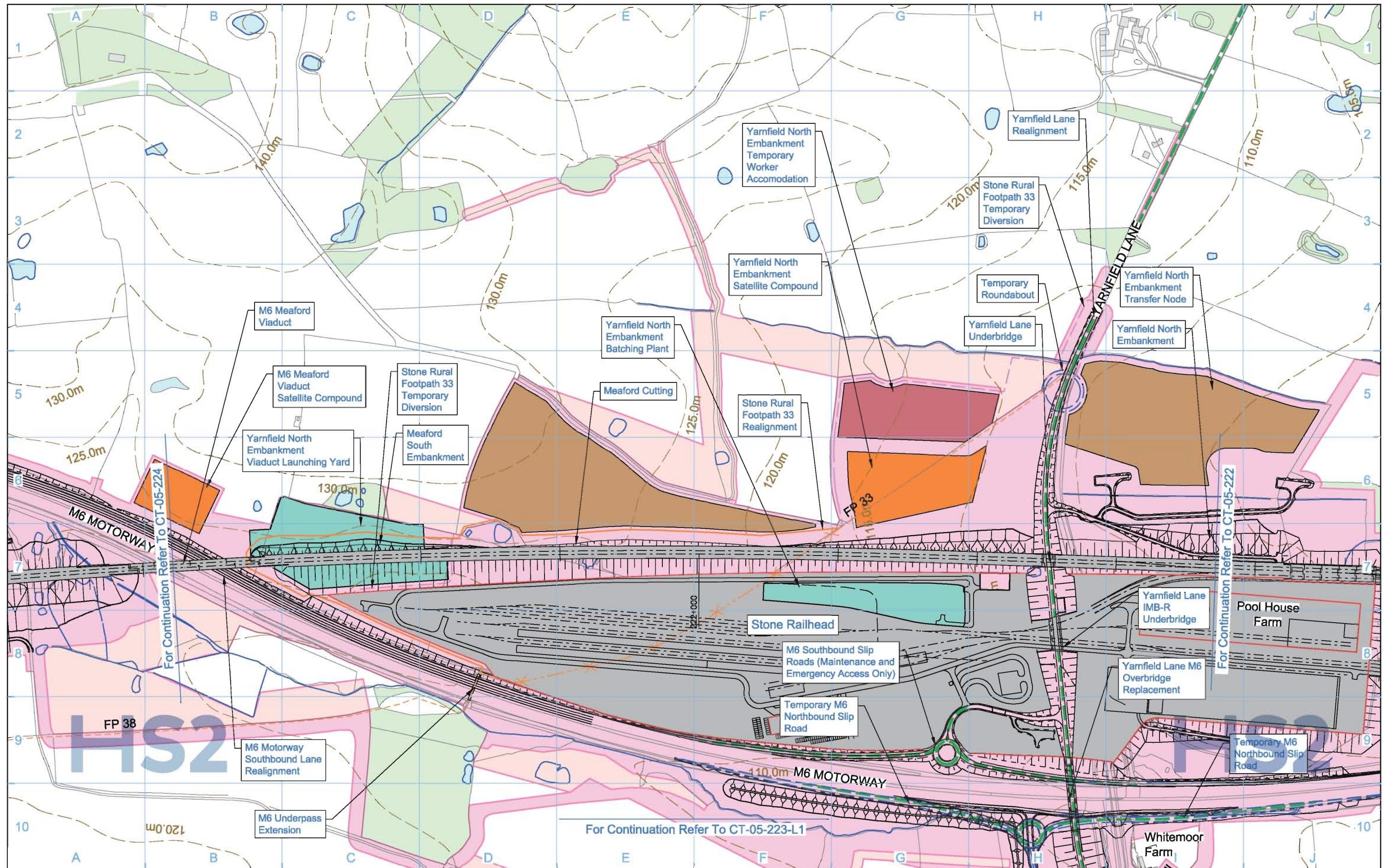
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Legend

Depot, station, headhouse or portal building	Borrow Pit	Community Area boundary
Tunnel portal	Storage / prefabrication / laydown areas	Tunnels external extent
Main construction compound	Land potentially required during construction	Construction traffic route
Satellite construction compound	Extent of land potentially required during construction for mitigation planting	Existing public right of way (PRoW)
Railway systems compound	Temporary replacement community facility	New, diverted or realigned PRoW
Temporary material stockpile		Stopped-up PRoW
		Temporary PRoW diversion / realignment

The legend includes the following entries:

- Landscape earthworks**: Represented by a triangle symbol.
- Engineering earthworks**: Represented by a vertical bar symbol.
- Temporary highway diversion / realignment**: Represented by a dashed blue line.
- Main utility works**: Represented by a red line labeled "UT".
- Rail alignment**: Represented by a black line.
- Chainage (e.g. 10+000)**: Represented by a black line with a bracket indicating a distance of 10+000 units.
- Existing woodland**: Represented by a light green shaded area.
- Existing buildings**: Represented by a light grey shaded area.
- Existing inland water**: Represented by a blue shaded area.
- Existing watercourse**: Represented by a dark blue line.
- Existing contours**: Represented by a yellow line labeled "130.0m".
- Rail alignment formation**: Represented by a grey shaded area.
- Temporary workers accommodation**: Represented by a dark red shaded area.

Map Number
CT-05-223

Map Name
Construction Phase

Community Area

CA3 Stone and Swynnerton

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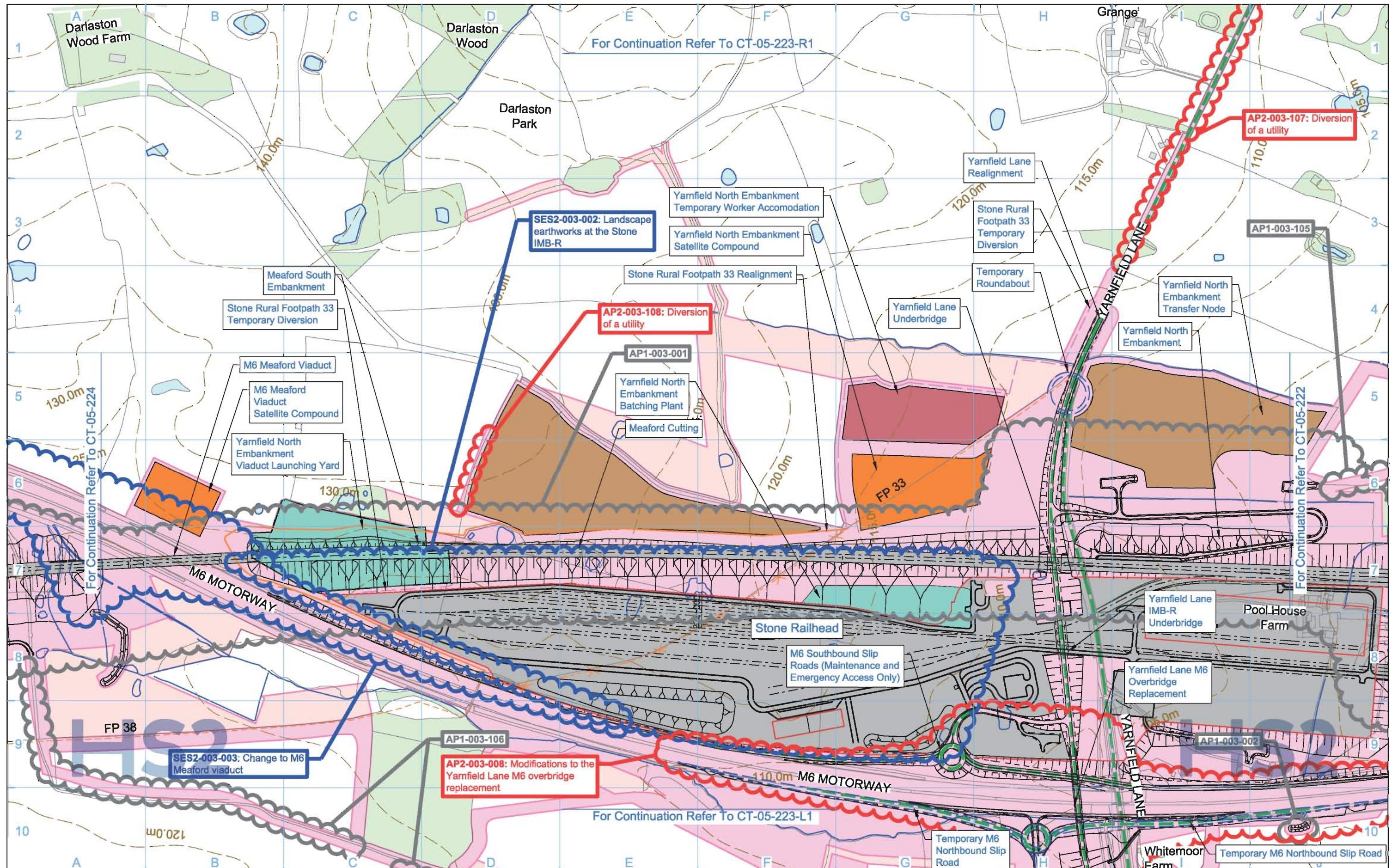
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Legend

- Depot, station, headhouse or portal building
- Tunnel portal
- Main construction compound
- Satellite construction compound
- Railway systems compound
- Temporary material stockpile
- Borrow Pit
- Storage / prefabrication / laydown areas
- Land potentially required during construction
- Extent of land potentially required during construction for mitigation planting
- Temporary replacement community facility
- Community Area boundary
- Tunnels external extent
- Construction traffic route
- Existing Public Right of Way (PRoW)
- New, diverted or realigned PRoW
- Stopped-up PRoW
- Temporary PRoW diversion / realignment
- Landscape earthworks
- Engineering earthworks
- Temporary highway diversion / realignment
- Main utility works
- Rail alignment
- Chainage (e.g. 10+000)
- Existing woodland
- Existing buildings
- Existing inland water
- Existing watercourse
- Existing contours
- Rail alignment formation
- Temporary workers accommodation

Map Number CT-05-223

Map Name Construction Phase SES2 and AP2 ES

Community Area CA3 Stone and Swynnerton

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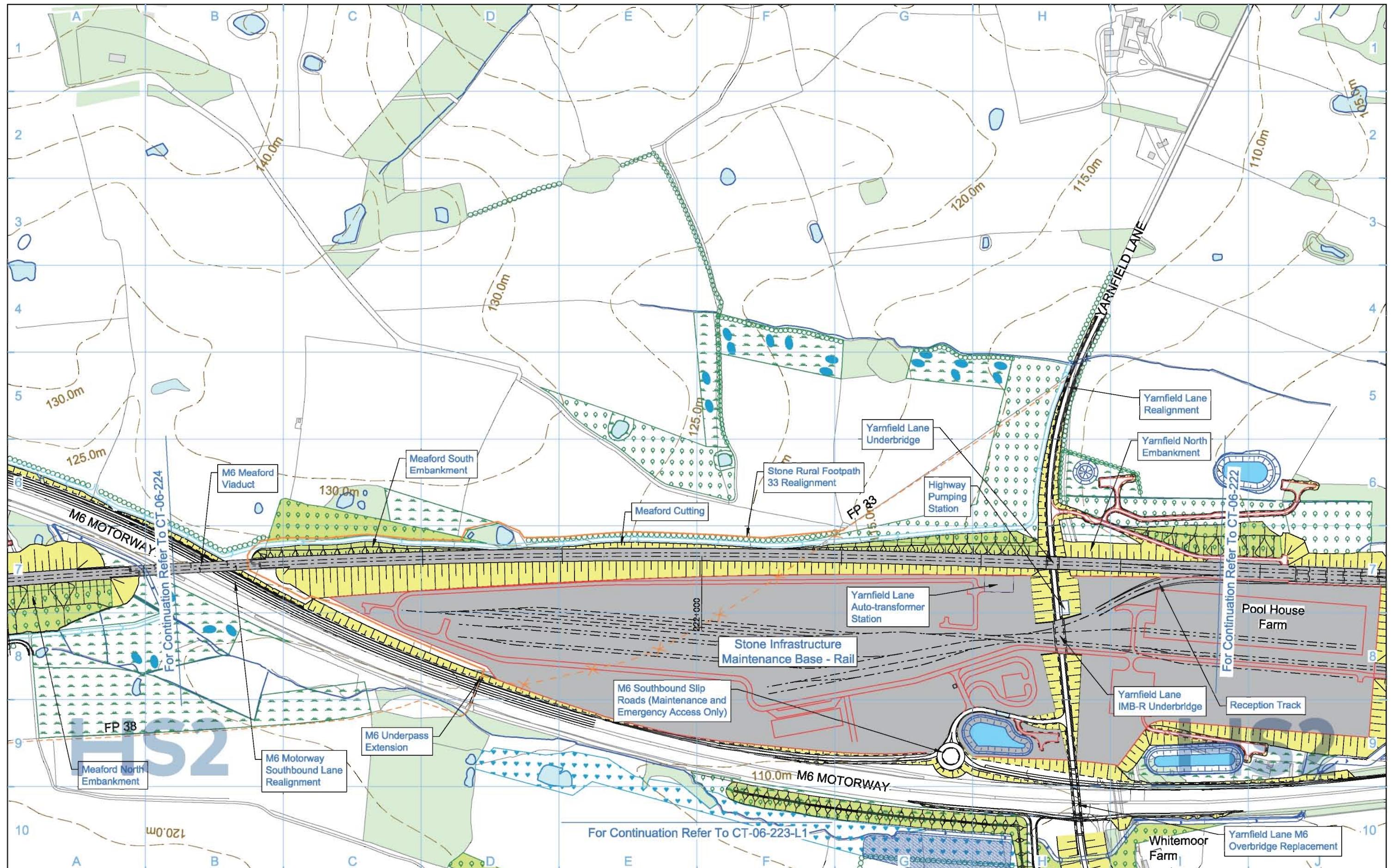
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Legend

	Depot, station, headhouse or portal building
	Tunnel portal
	Electricity substation
	Land drainage area
	Ecological mitigation pond
	Balancing pond
	Replacement floodplain storage
	Woodland habitat creation
	Wetland habitat creation
	Grassland habitat creation
	Landscape mitigation planting (scrub / woodland)
	Grassed areas
	Public realm/Replacement community facility
	Engineering earthworks
	Landscape earthworks
	Rail alignment formation
	Returned to suitable development use
	County boundary
	Borough / District boundary

- Community Area boundary
- Watercourse diversion
- or Existing watercourse
- Ditches - new
- Hedgerow habitat creation
- UT Main utility works
- Existing public right of way (PRoW)
- New, diverted or realigned PRoW
- Stopped-up PRoW
- Tunnels external extent

The legend consists of eight entries, each with a colored square and a label:

- Existing woodland (light green)
- Existing buildings (light grey)
- Existing inland water (blue)
- 130.0m** Existing contours (brown line)
- HS2 access road** (red line)
- Noise fence barrier** (purple line)
- Rail alignment** (black dashed line)
- Chainage (e.g. 10+000)** (black text)

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CT-06-223

Proposed Schem

CA3 Stone and Swynnerton

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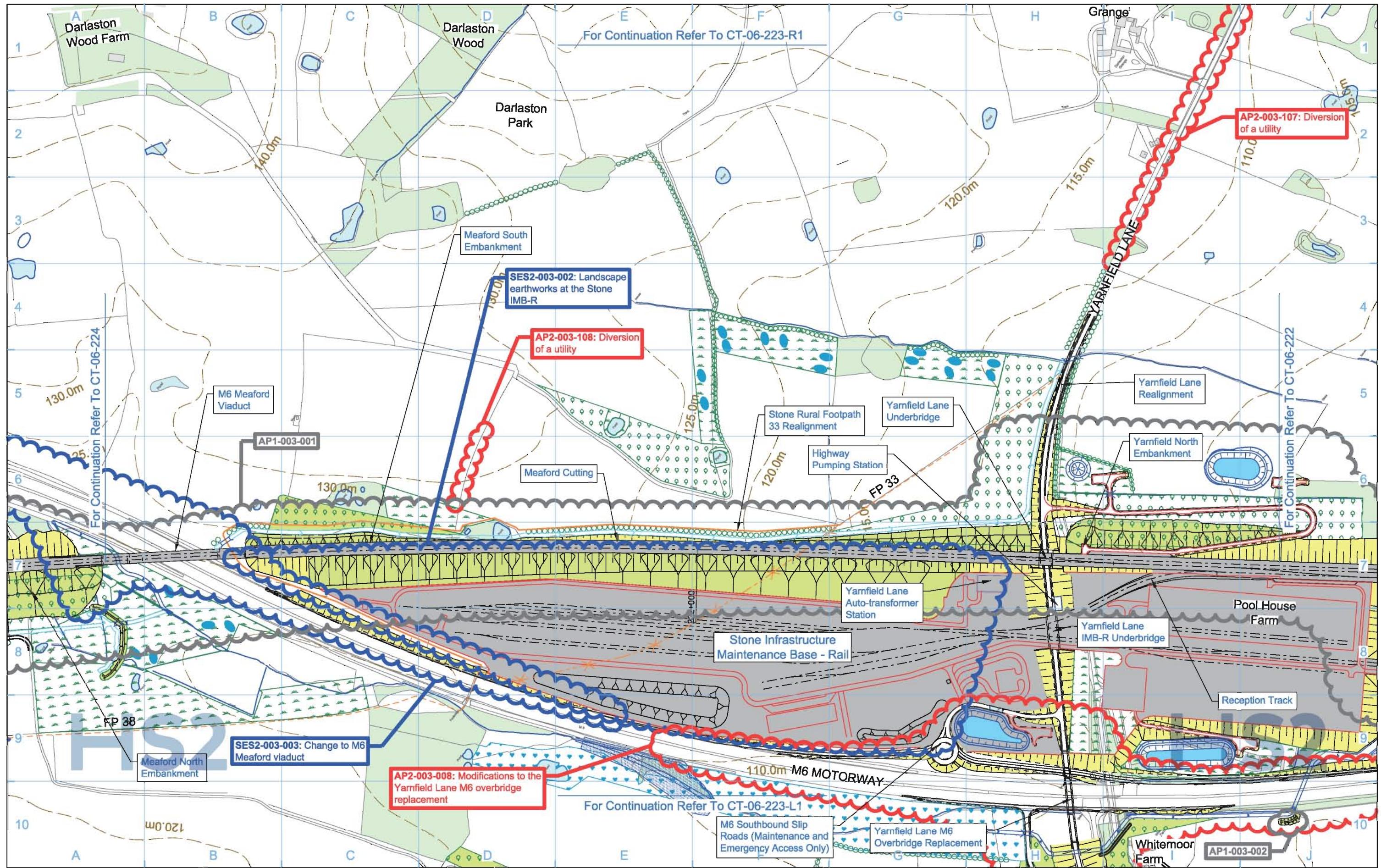
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Legend

	Depot, station, headhouse or portal building		Tunnel portal		Electricity substation		Land drainage area		Ecological mitigation pond		Balancing pond		Replacement floodplain storage		Woodland habitat creation		Wetland habitat creation		Grassland habitat creation		Landscape mitigation planting (scrub / woodland)		Grassed areas		Local placement of surplus excavated material		Public realm/Replacement community facility		Engineering earthworks		Landscape earthworks		Rail alignment formation		Returned to suitable development use		County boundary		Borough / District boundary
--	--	--	---------------	--	------------------------	--	--------------------	--	----------------------------	--	----------------	--	--------------------------------	--	---------------------------	--	--------------------------	--	----------------------------	--	--	--	---------------	--	---	--	---	--	------------------------	--	----------------------	--	--------------------------	--	--------------------------------------	--	-----------------	--	-----------------------------

The legend consists of ten entries, each with a colored line or symbol followed by a text label:

- Community Area boundary**: A purple dashed line.
- Watercourse diversion**: A blue line with a blue diamond symbol.
- Existing watercourse**: A blue line with a blue arrow symbol.
- Ditches - new**: A light blue line with a light blue arrow symbol.
- Hedgerow habitat creation**: A green circle symbol.
- Main utility works**: A red line with a red arrow symbol.
- Existing public right of way (PRoW)**: A brown dashed line.
- New, diverted or realigned PRoW**: An orange line with an orange arrow symbol.
- Stopped-up PRoW**: An orange line with an orange asterisk symbol.
- Tunnels external extent**: A grey dashed line.

The legend consists of seven entries, each with a colored square and a label:

- Existing woodland (green)
- Existing buildings (light grey)
- Existing inland water (blue)
- 130.0m Existing contours (orange)
- HS2 access road (red)
- Noise fence barrier (purple)
- Rail alignment (dashed black line)
- Chainage (e.g. 10+000) (black text)

Map Number	CT-06-223
Map Name	Proposed Scheme SES2 and AP2 ES
Community Area	CA3 Stone and Swynnerton

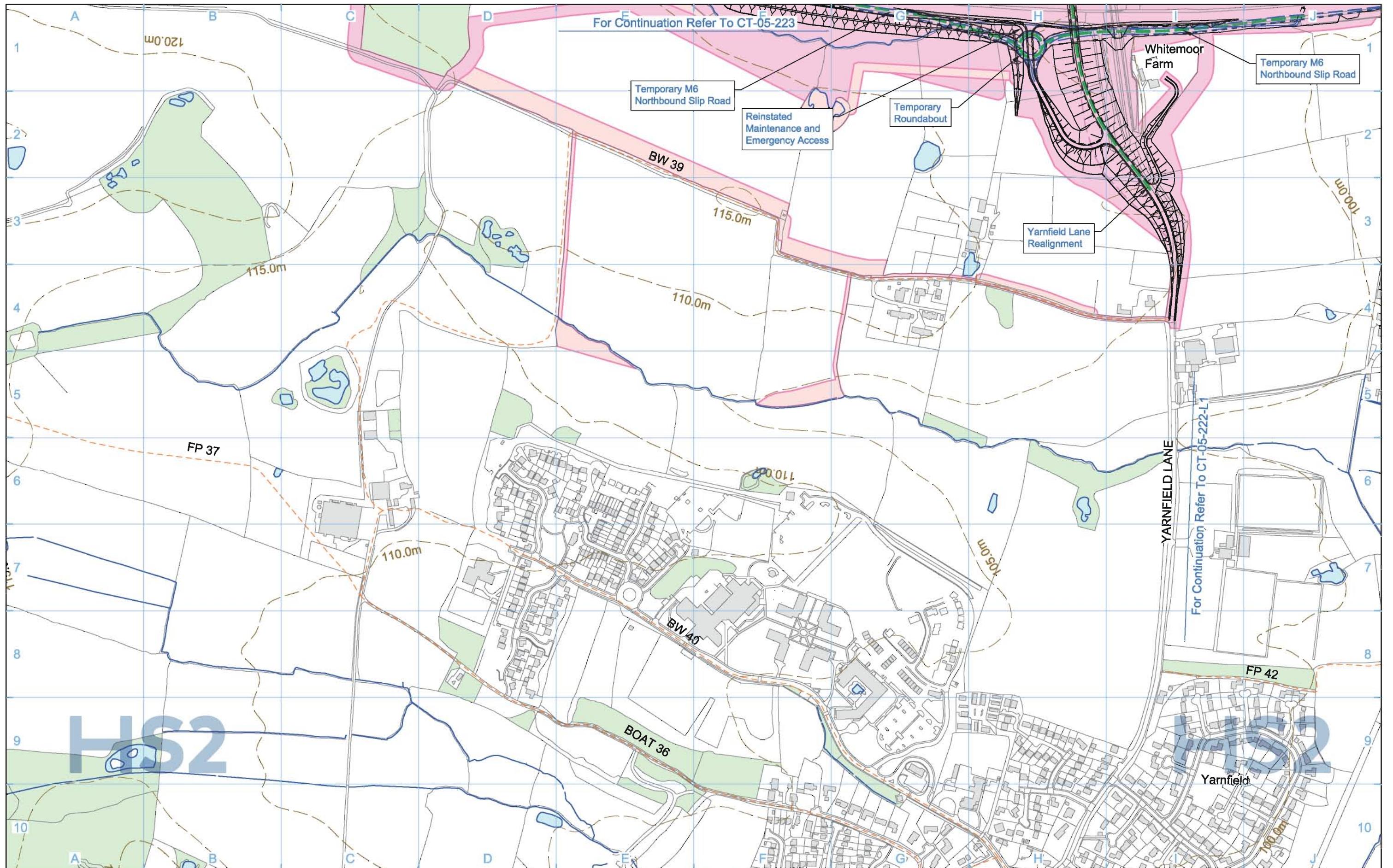
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Legend	
Depot, station, headhouse or portal building	Borrow Pit
Tunnel portal	Storage / prefabrication / laydown areas
Main construction compound	Land potentially required during construction
Satellite construction compound	Extent of land potentially required during construction for mitigation planting
Railway systems compound	Temporary replacement community facility
Temporary material stockpile	

Community Area boundary
Tunnels external extent
Construction traffic route
Existing public right of way (PRoW)
New, diverted or realigned PRoW
Stopped-up PRoW
Temporary PRoW diversion / realignment

Landscape earthworks
Engineering earthworks
Temporary highway diversion / realignment
Existing contours
Main utility works
Rail alignment
Chainage (e.g. 10+000)

Map Number	CT-05-223-L1
Map Name	Construction Phase
Community Area	CA3 Stone and Swynnerton

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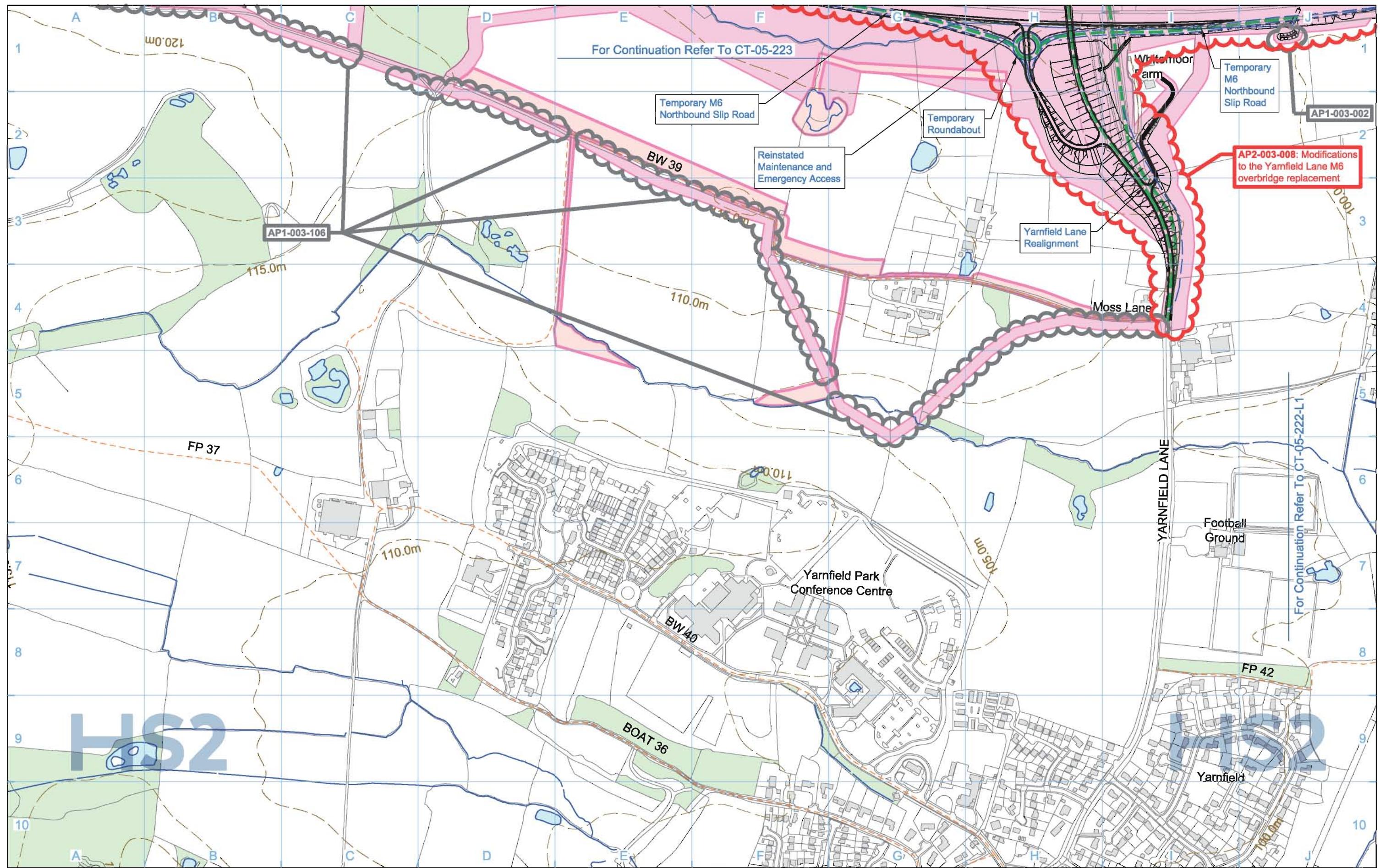
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Legend

Depot, station, headhouse or portal building	Borrow Pit	Community Area boundary
Tunnel portal	Storage / prefabrication / laydown areas	Tunnels external extent
Main construction compound	Land potentially required during construction	Construction traffic route
Satellite construction compound	Extent of land potentially required during construction for mitigation planting	Existing public right of way (PRoW)
Railway systems compound	Temporary replacement community facility	New, diverted or realigned PRoW
Temporary material stockpile		Stopped-up PRoW
		Temporary PRoW diversion / realignment

Landscape earthworks Existing woodland

Engineering earthworks Existing buildings

Temporary highway diversion / realignment Existing inland water
or Existing watercourse

Main utility works Existing contours

Rail alignment Rail alignment formation

Chainage (e.g. 10+000) Temporary workers accommodation

130.0m

PRoW . — — — — —

10+000

Map Number	CT-05-223-L1
Map Name	Construction Phase SES2 and AP2 ES
Community Area	CA3 Stone and Swynnerton

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Legend

- Depot, station, headhouse or portal building
- Tunnel portal
- Electricity substation
- Land drainage area
- Ecological mitigation pond
- Balancing pond
- Replacement floodplain storage
- Woodland habitat creation
- Wetland habitat creation
- Grassland habitat creation
- Landscape mitigation planting (scrub / woodland)
- Grassed areas
- Sustainable placement

- Public realm/Replacement community facility
- Engineering earthworks
- Landscape earthworks
- Rail alignment formation
- Returned to suitable development use
- County boundary
- Borough / District boundary
- Watercourse diversion
- Existing watercourse
- Ditches - new
- Hedgerow habitat creation
- UT Main utility works
- Existing public right of way (PRoW)
- New, diverted or realigned PRoW
- Stopped-up PRoW
- Existing contours
- HS2 access road
- Noise fence barrier
- Rail alignment
- Chainage
- (e.g. 10+000)

Map Number
CT-06-223-L1

Map Name
Proposed Scheme

Community Area
CA3 Stone and Swynnerton

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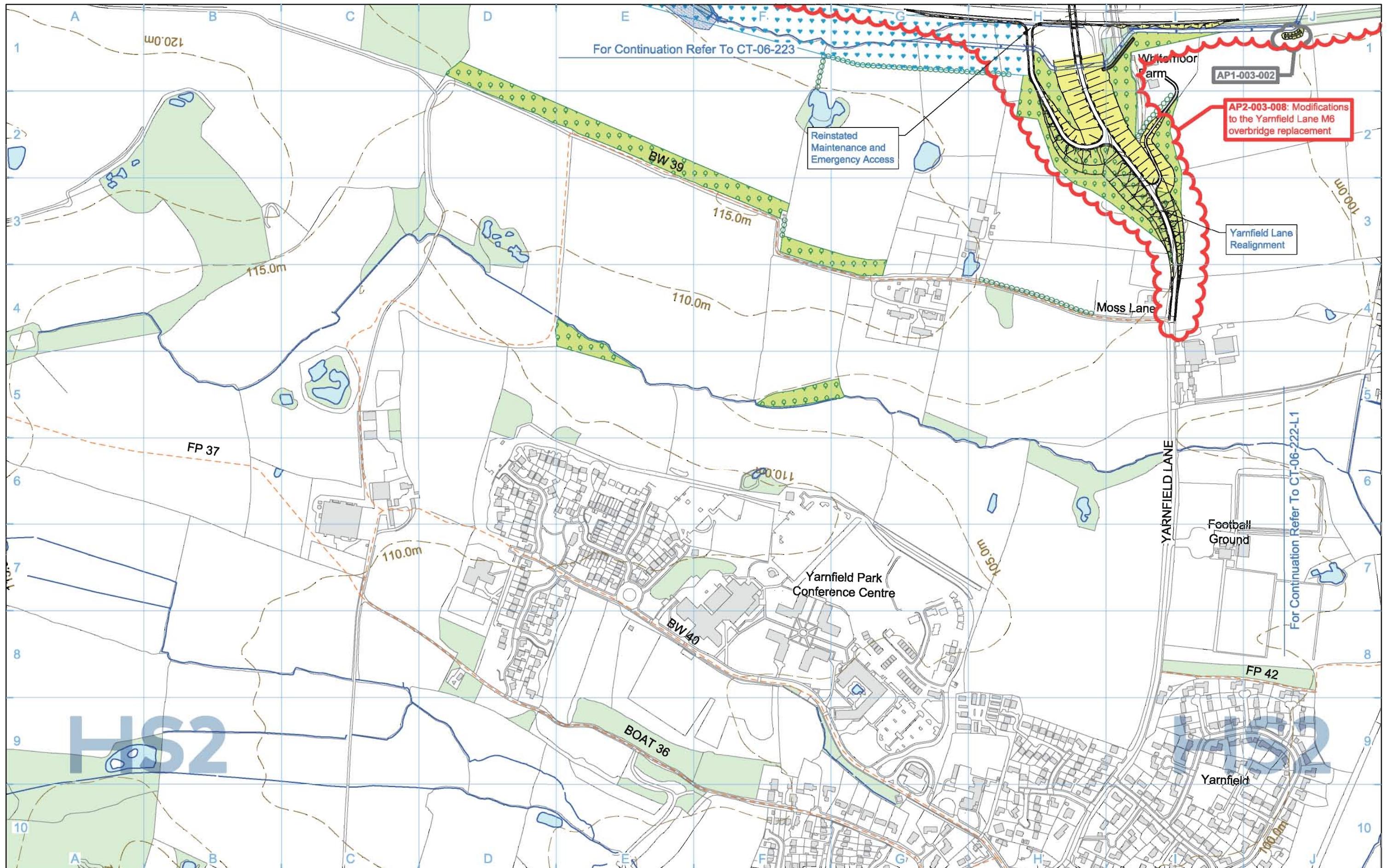


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Legend	
Depot, station, headhouse or portal building	Replacement floodplain storage
Tunnel portal	Woodland habitat creation
Electricity substation	Engineering earthworks
Land drainage area	Wetland habitat creation
Ecological mitigation pond	Grassland habitat creation
Balancing pond	Landscape mitigation planting (scrub / woodland)
	Grassed areas
	Local placement of surplus excavated material

Woodland habitat creation	Public realm/Replacement community facility
Engineering earthworks	Community Area boundary
Wetland habitat creation	Watercourse diversion
Grassland habitat creation	Existing watercourse
Landscape mitigation planting (scrub / woodland)	Ditches - new
Grassed areas	Hedgerow habitat creation
Local placement of surplus excavated material	Existing contours

Rail alignment formation	130.0m
Returned to suitable development use	Main utility works
County boundary	Existing public right of way (PROw)
Borough / District boundary	New, diverted or realigned PROw
	Stopped-up PROw

Existing woodland	Map Number
Existing buildings	CT-06-223-L1
Existing inland water	Map Name
Existing contours	Proposed Scheme
HS2 access road	SES2 and AP2 ES
Noise fence barrier	
Rail alignment	
Chairage	
(e.g. 10+000)	

Community Area
CA3 Stone and Swynnerton



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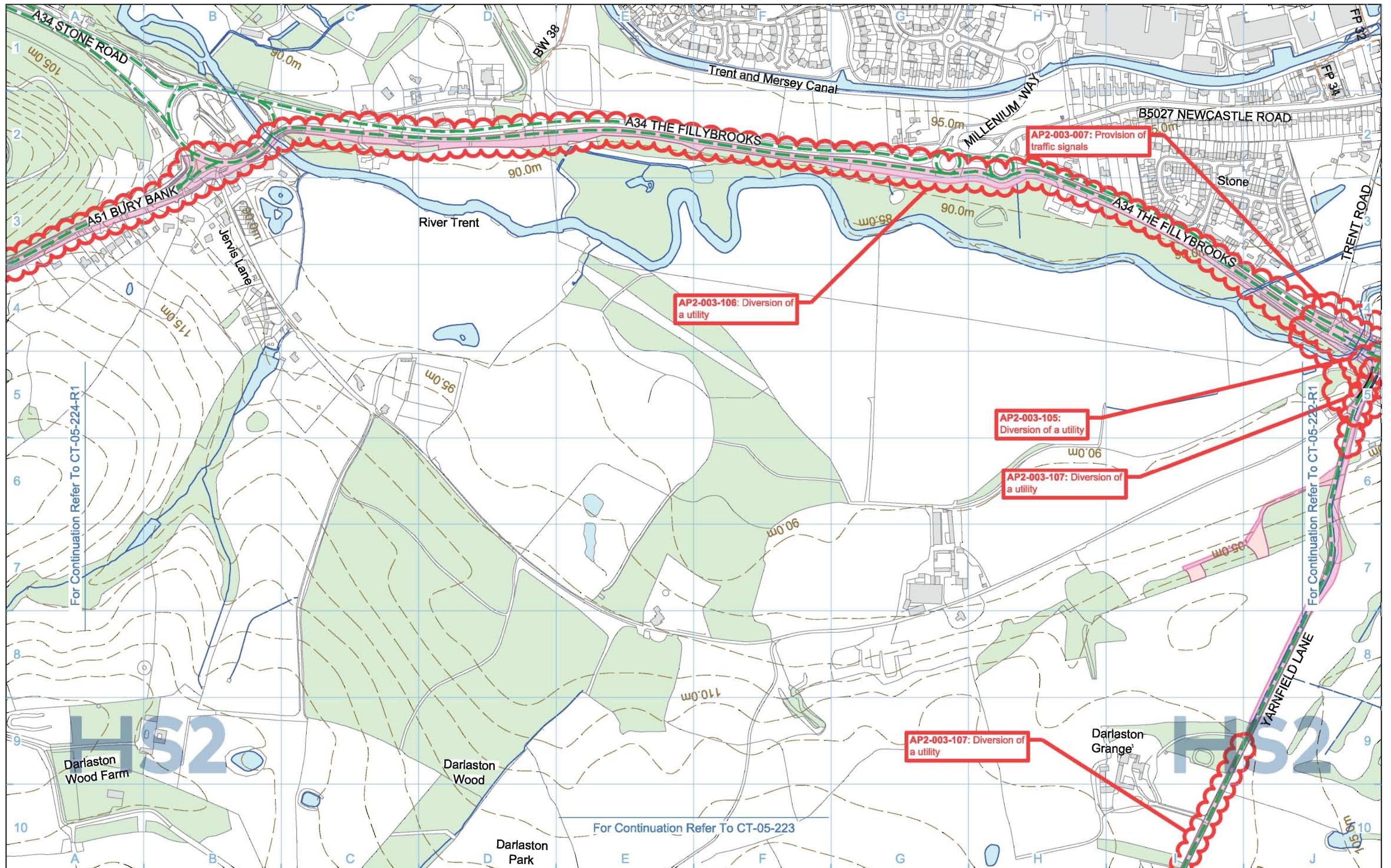
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Legend	
Depot, station, headhouse or portal building	Borrow Pit
Tunnel portal	Storage / prefabrication / laydown areas
Main construction compound	Land potentially required during construction
Satellite construction compound	Extent of land potentially required during construction for mitigation planting
Railway systems compound	Temporary material stockpile
	Temporary replacement community facility

Community Area boundary	Landscape earthworks	Existing woodland
- - -	Engineering earthworks	Existing buildings
- - -	Temporary highway diversion / realignment	Existing inland water
- - -	- or -	Existing watercourse
- - -	- UT -	Existing contours
- - -	Main utility works	130.0m
- - -	Temporary PRow	Existing contours
- - -	New, diverted or realigned PRow	130.0m
- - -	Stopped-up PRow	Existing contours
- - -	Temporary PRow diversion / realignment	Existing contours
10+000	Rail alignment	Rail alignment formation
10+000	Chaining	Temporary workers accommodation
(e.g. 10+000)	(e.g. 10+000)	

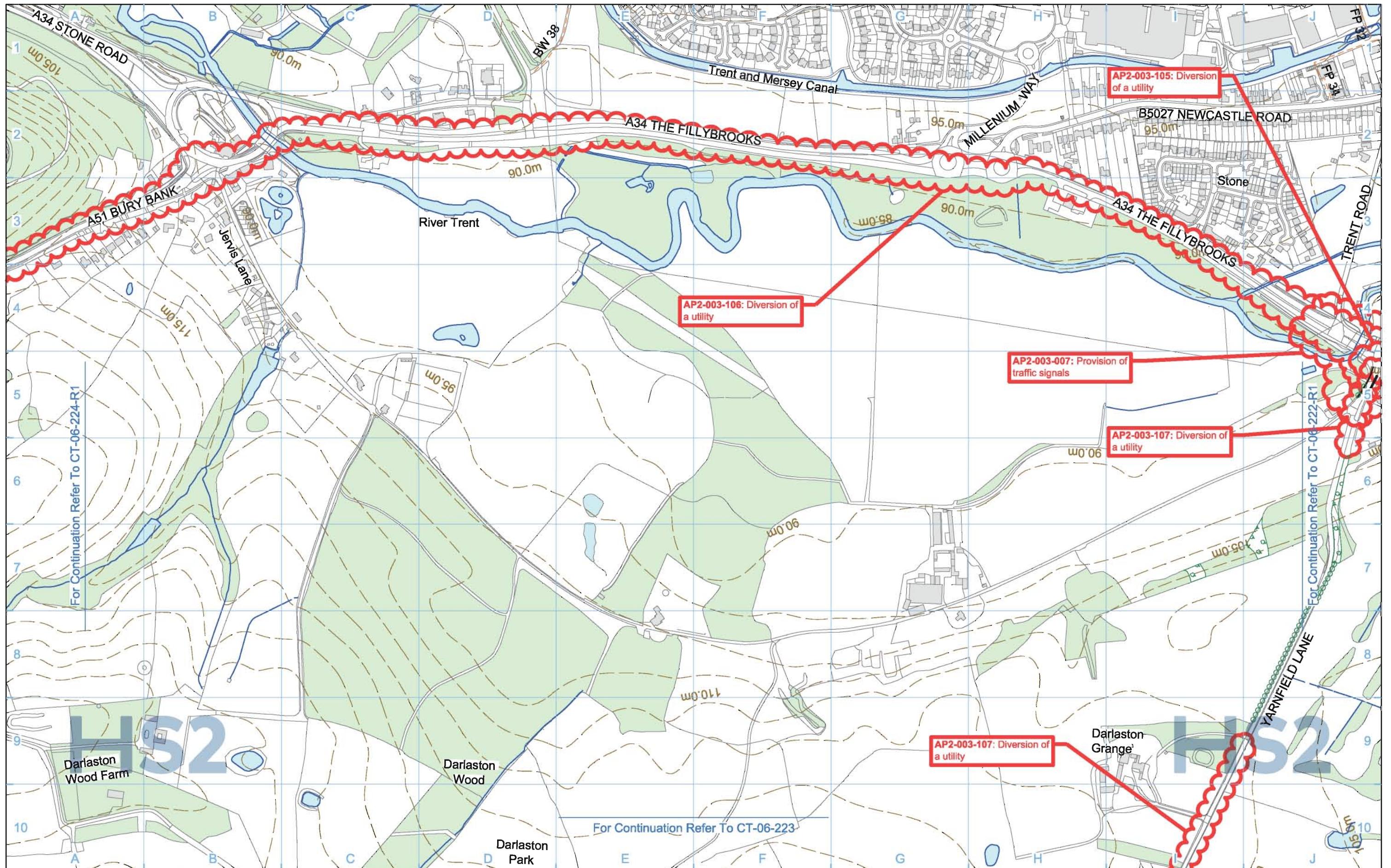
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Map Name	Construction Phase SES2 and AP2 ES
Community Area	CA3 Stone and Swynnerton



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Legend	
Depot, station, headhouse or portal building	Replacement floodplain storage
Tunnel portal	Woodland habitat creation
Electricity substation	Engineering earthworks
Land drainage area	Wetland habitat creation
Ecological mitigation pond	Grassland habitat creation
Balancing pond	Landscape mitigation planting (scrub / woodland)
	Grassed areas
	Local placement of surplus excavated material

Public realm/Replacement community facility	Community Area boundary
Woodland habitat creation	Watercourse diversion
Engineering earthworks	Existing watercourse
Wetland habitat creation	or
Grassland habitat creation	Ditches - new
Landscape mitigation planting (scrub / woodland)	Hedgerow habitat creation
Grassed areas	Rail alignment formation
Local placement of surplus excavated material	Returned to suitable development use

130.0m
Existing contours
HS2 access road
Noise fence barrier
Rail alignment
Chainage (e.g. 10+000)

Map Number	CT-06-223-R1
Map Name	Proposed Scheme SES2 and AP2 ES
Community Area	CA3 Stone and Swynnerton



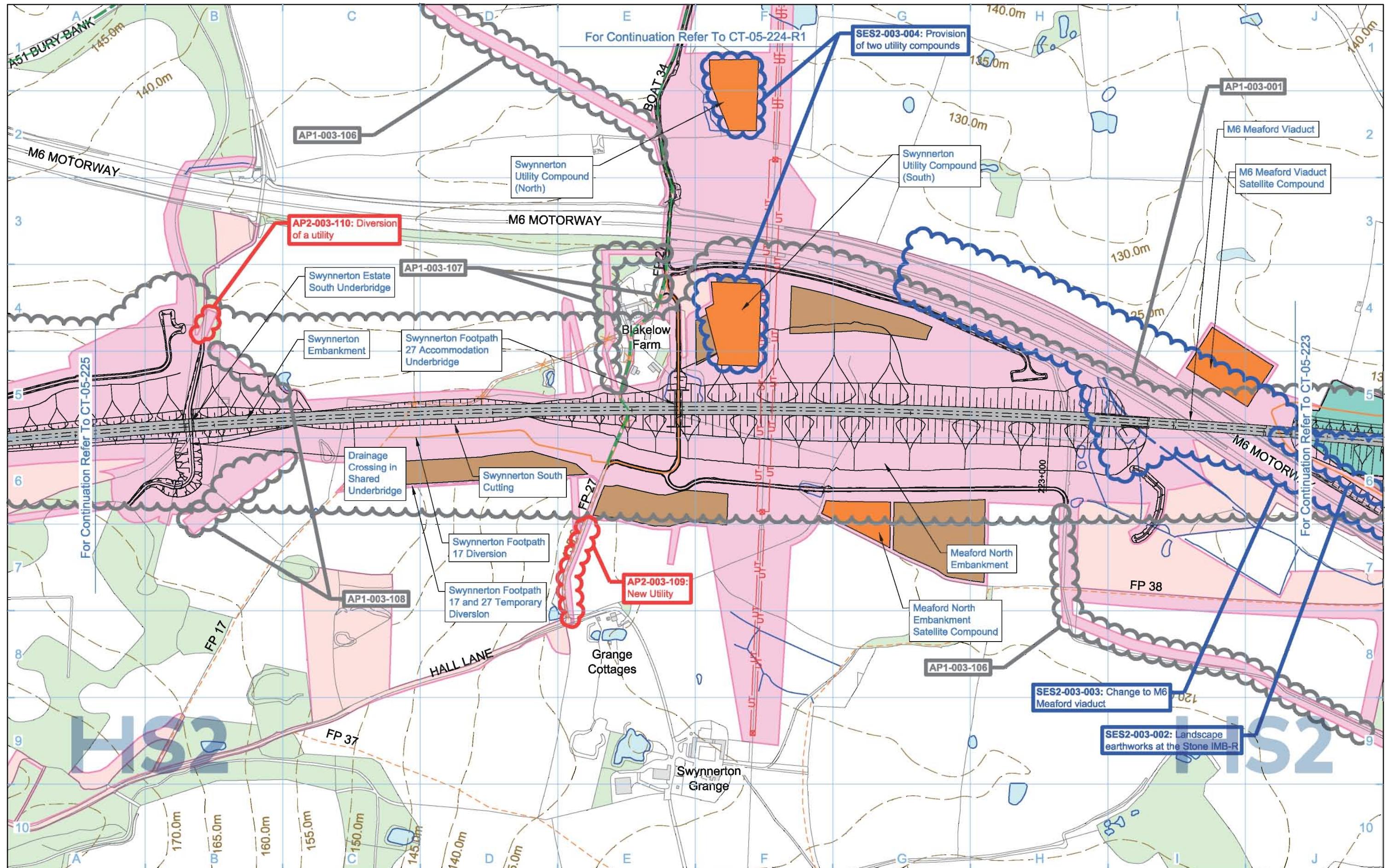
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P04 Date: 15/01/19



Legend

Depot, station, headhouse or portal building	Borrow Pit	Community Area boundary
Tunnel portal	Storage / prefabrication / laydown areas	Tunnels external extent
Main construction compound	Land potentially required during construction	Construction traffic route
Satellite construction compound	Extent of land potentially required during construction for mitigation planting	Existing public right of way (PRoW)
Railway systems compound	Temporary replacement community facility	New, diverted or realigned PRoW
Temporary material stockpile		Stopped-up PRoW
		Temporary PRoW diversion / realignment

The legend includes the following entries:

- Landscape earthworks
- Engineering earthworks
- Temporary highway diversion / realignment
- Main utility works
- Rail alignment
- Chainage (e.g. 10+000)
- Existing woodland
- Existing buildings
- Existing inland water
- Existing watercourse
- Existing contours
- Rail alignment formation
- Temporary workers accommodation

Map Number	CT-05-224
Map Name	Construction Phas SES2 and AP2 E3
Community Area	CA3 Stone and Swynnerton

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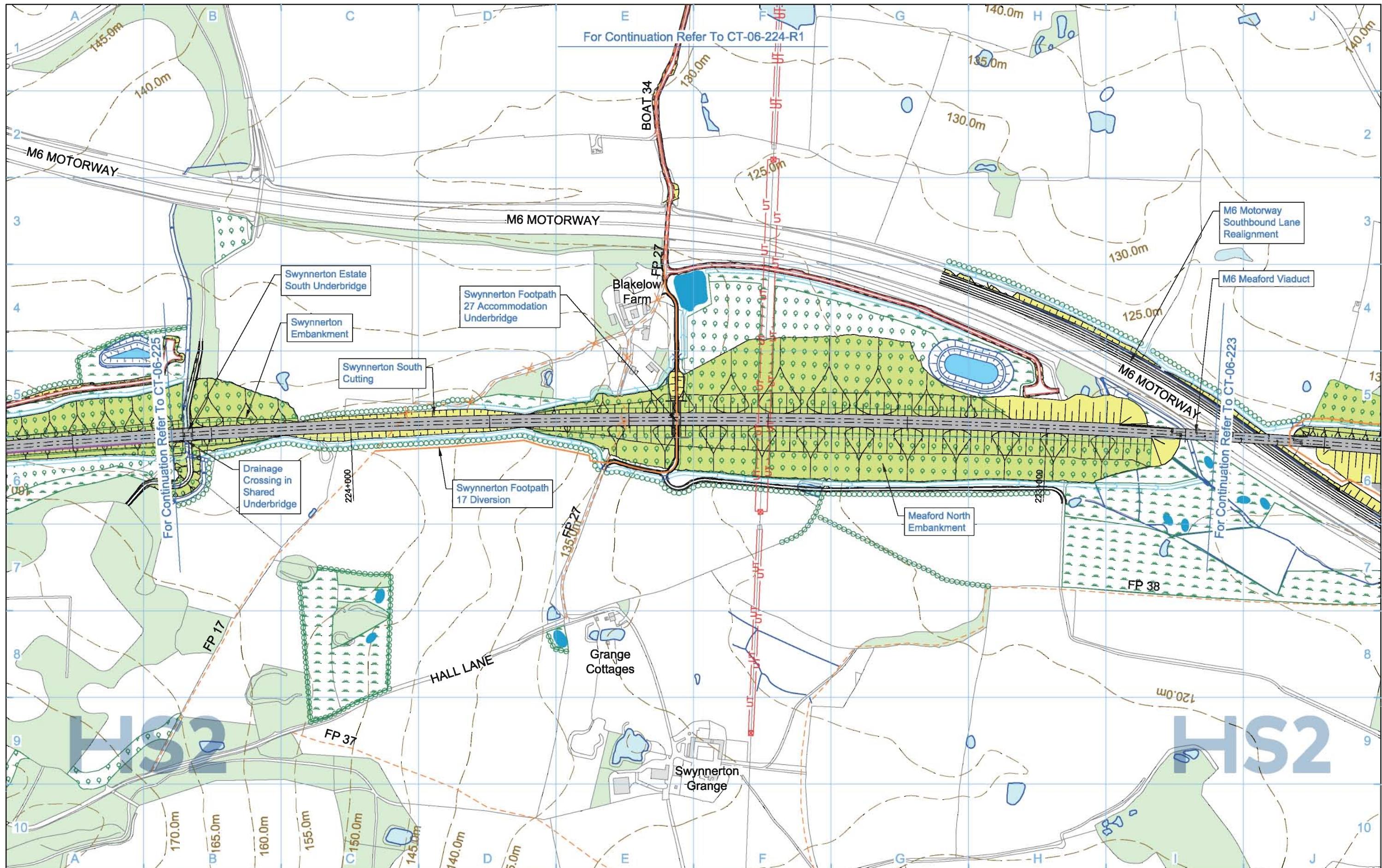
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Legend	
Depot, station, headhouse or portal building	Replacement floodplain storage
Tunnel portal	Public realm/Replacement community facility
Electricity substation	Watercourse diversion
Land drainage area	Engineering earthworks
Ecological mitigation pond	Existing watercourse
Balancing pond	Wetland habitat creation
	Landscape earthworks
	Grassland habitat creation
	Landscape mitigation planting (scrub / woodland)
	Woodland habitat creation
	Landscaping
	Sustainable placement

Legend	
Community Area boundary	Existing woodland
Watercourse diversion	Existing buildings
Engineering earthworks	Existing inland water
Existing watercourse	Existing contours
Landscape earthworks	HS2 access road
Grassland habitat creation	Noise fence barrier
Landscape mitigation planting (scrub / woodland)	Rail alignment
Woodland habitat creation	Chainage
Landscaping	(e.g. 10+000)
Sustainable placement	Tunnels external extent

130.0m

Map Number	CT-06-224
Map Name	Proposed Scheme
Community Area	CA3 Stone and Swynnerton



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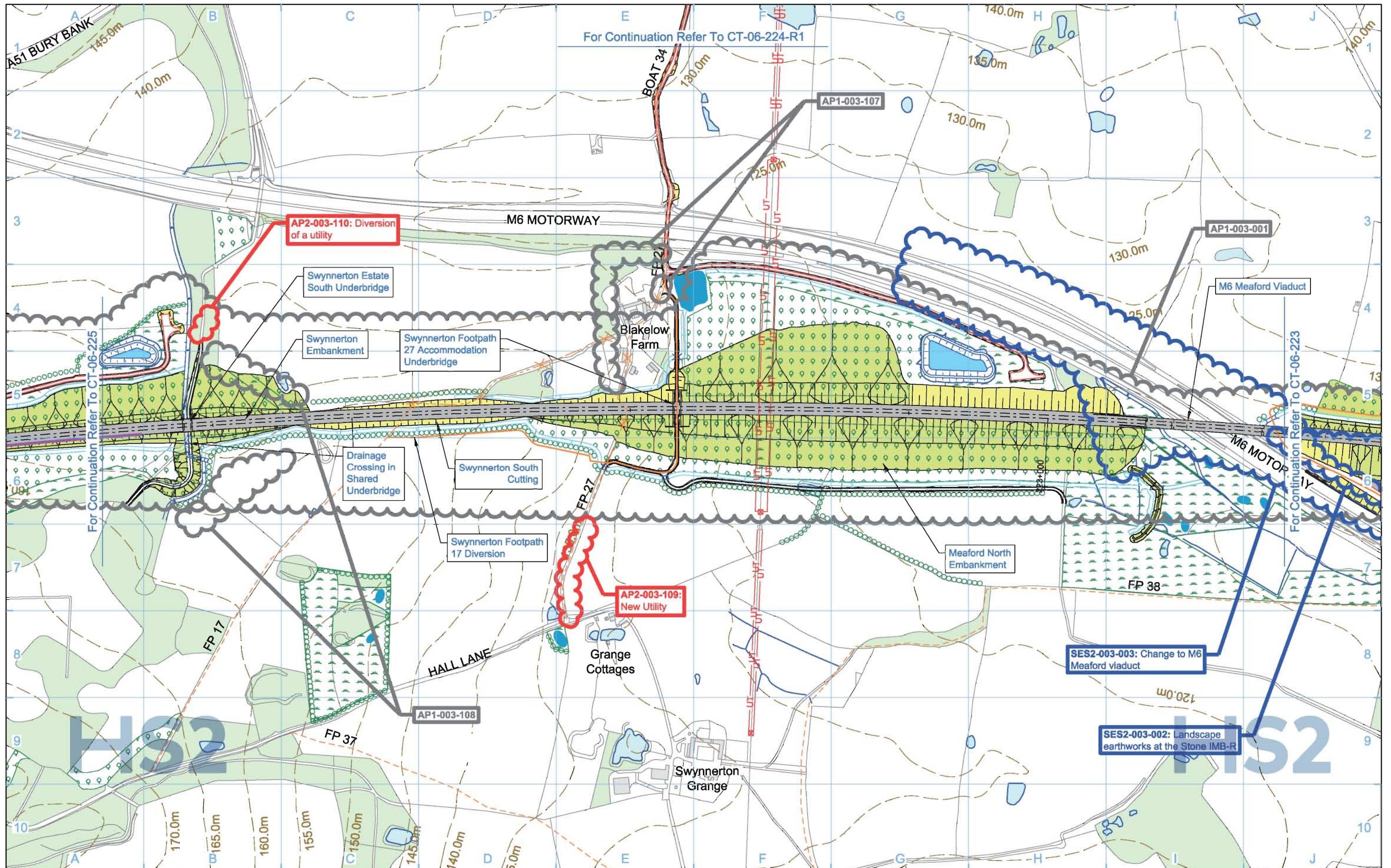
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Legend	
Depot, station, headhouse or portal building	Replacement floodplain storage
Tunnel portal	Woodland habitat creation
Electricity substation	Wetland habitat creation
Land drainage area	Grassland habitat creation
Ecological mitigation pond	Landscape mitigation planting (scrub / woodland)
Balancing pond	Grassed areas
	Local placement of surplus excavated material

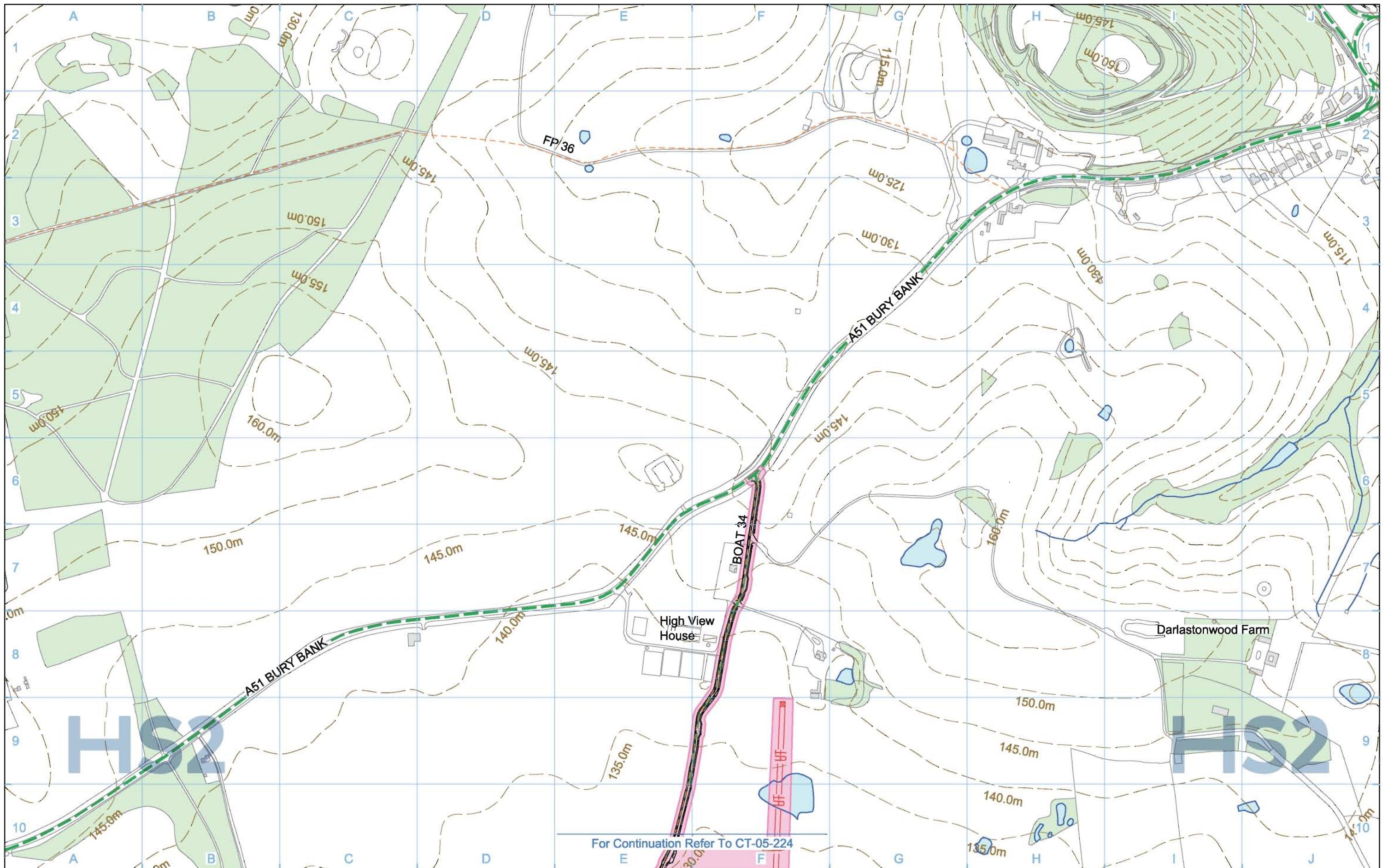
Community Area boundary	Existing woodland
Watercourse diversion	Existing buildings
or	Existing inland water
Existing watercourse	Existing contours
Ditches - new	HS2 access road
Hedgerow habitat creation	Noise fence barrier
Rail alignment formation	Main utility works
Returned to suitable development use	Existing public right of way (PROw)
Landscaping	New, diverted or realigned PROw
County boundary	Stopped-up PROw
Borough / District boundary	Tunnels external extent

Map Number	CT-06-224
Map Name	Proposed Scheme SES2 and AP2 ES
Community Area	CA3 Stone and Swynnerton



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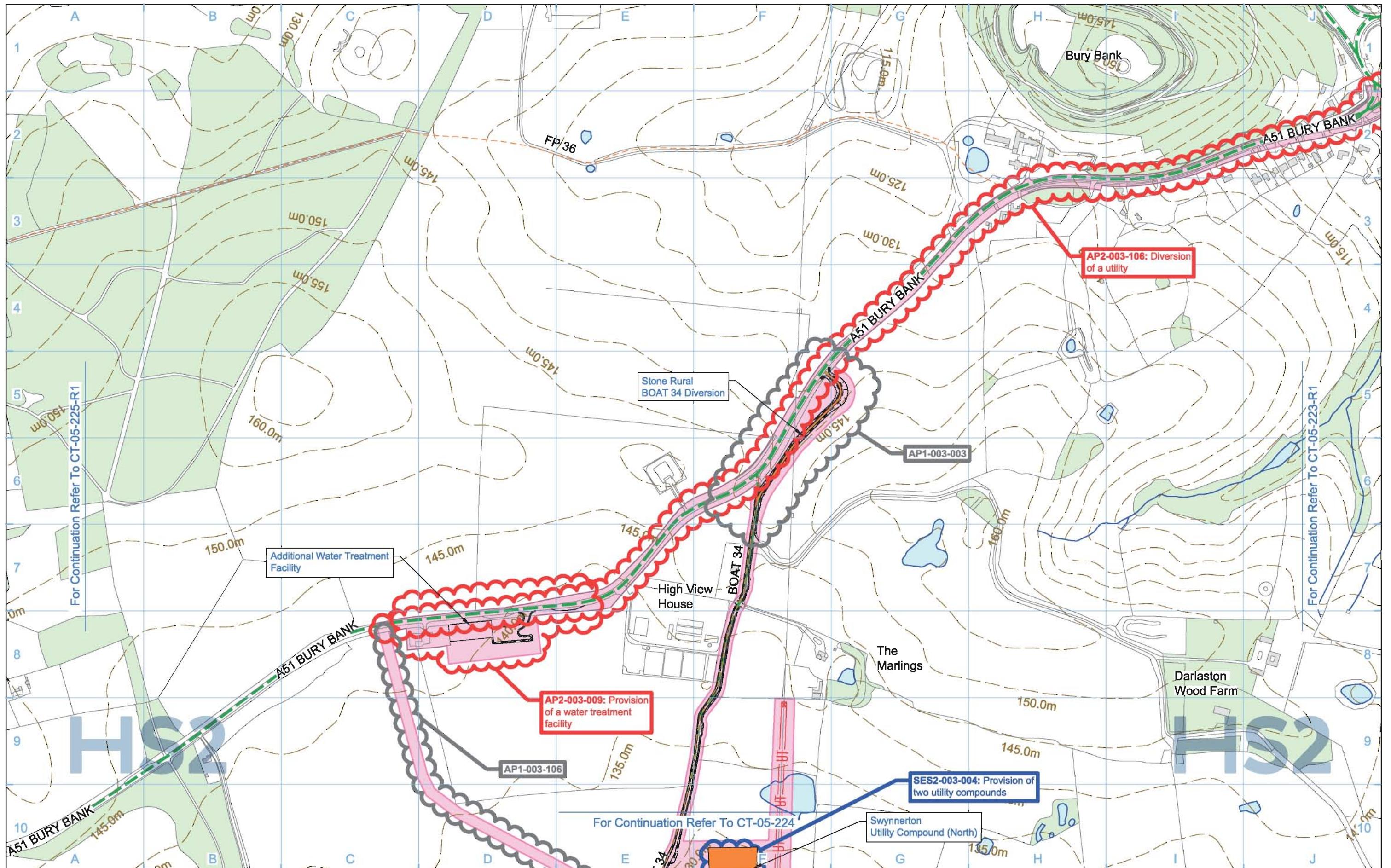
Legend	
Depot, station, headhouse or portal building	Borrow Pit
Tunnel portal	Storage / prefabrication / laydown areas
Main construction compound	Land potentially required during construction
Satellite construction compound	Extent of land potentially required during construction for mitigation planting
Railway systems compound	Temporary replacement community facility
Temporary material stockpile	

Community Area boundary	Landscape earthworks	Existing woodland
Community Area boundary	Engineering earthworks	Existing buildings
Community Area boundary	Temporary highway diversion / realignment	Existing inland water
Community Area boundary	or	Existing watercourse
Community Area boundary	Existing public right of way (PRoW)	Existing contours
Community Area boundary	New, diverted or realigned PRoW	Existing contours
Community Area boundary	Dashed line	Rail alignment
Community Area boundary	UT	Rail alignment formation
Community Area boundary	Stoped-up PRoW	Chainage (e.g. 10+000)
Community Area boundary	Temporary PRoW diversion / realignment	Temporary workers accommodation

Map Number	CT-05-224-R1
Map Name	Construction Phase
Community Area	CA3 Stone and Swynnerton

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Legend

- Depot, station, headhouse or portal building
- Tunnel portal
- Main construction compound
- Satellite construction compound
- Railway systems compound
- Temporary material stockpile
- Borrow Pit
- Storage / prefabrication / laydown areas
- Land potentially required during construction
- Extent of land potentially required during construction for mitigation planting
- Temporary replacement community facility
- Community Area boundary
- Tunnels external extent
- Construction traffic route
- Existing public right of way (PRoW)
- New, diverted or realigned PRoW
- Stopped-up PRoW
- Temporary PRoW diversion / realignment
- Landscape earthworks
- Engineering earthworks
- Temporary highway diversion / realignment
- UT - Main utility works
- Rail alignment
- Chaining (e.g. 10+000)
- Existing woodland
- Existing buildings
- Existing inland water
- Existing watercourse
- Existing contours
- Rail alignment formation
- Temporary workers accommodation

10+000
10+000

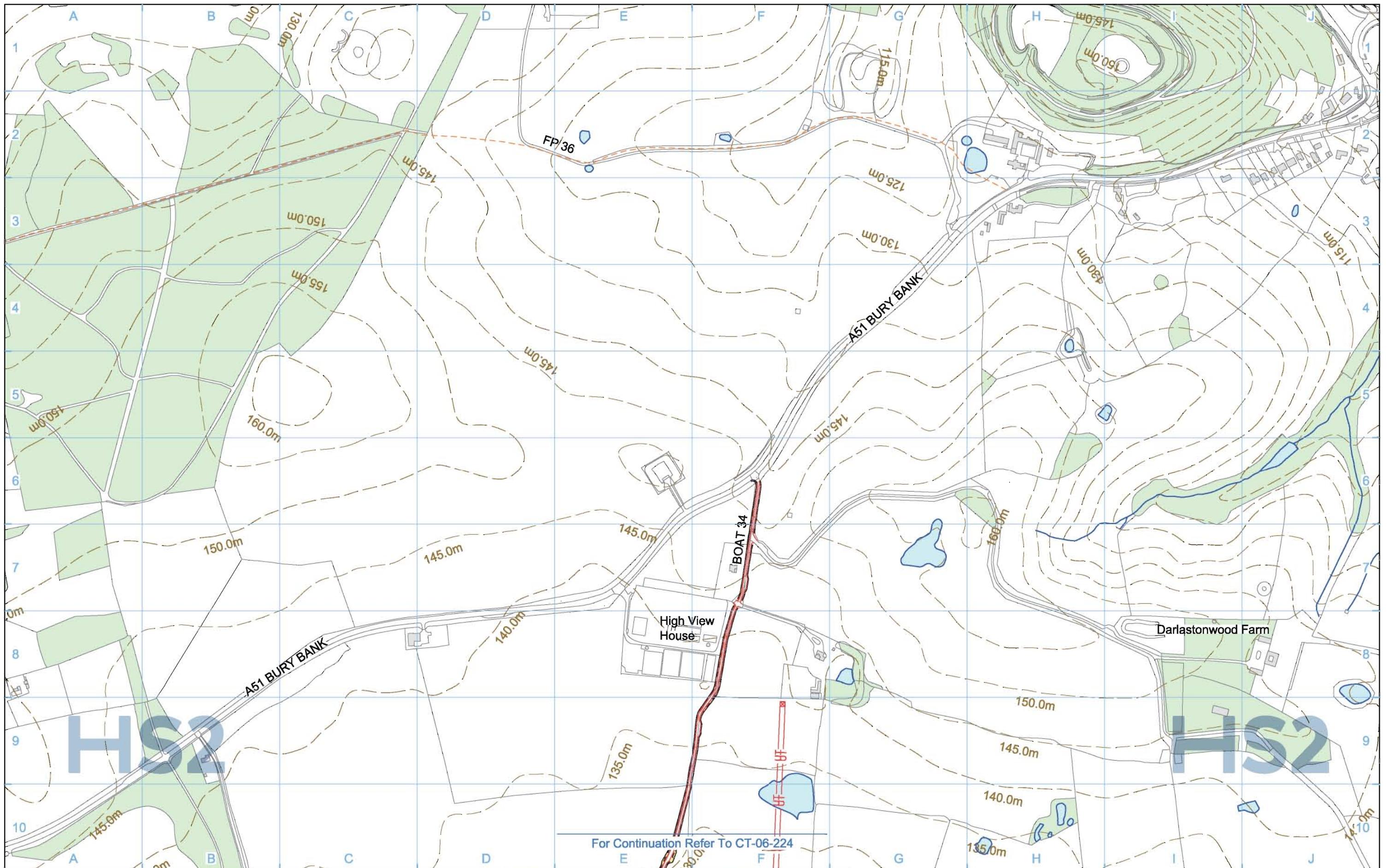
Map Number
CT-05-224-R1
Map Name
Construction Phase
SES2 and AP2 ES
Community Area
CA3 Stone and Swynnerton

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Legend	
Depot, station, headhouse or portal building	Replacement floodplain storage
Tunnel portal	Public realm/Replacement community facility
Electricity substation	Watercourse diversion
Land drainage area	Existing watercourse
Ecological mitigation pond	Engineering earthworks
Balancing pond	Wetland habitat creation
	Existing buildings
	Landscape earthworks
	Grassland habitat creation
	Landscape mitigation planting (scrub / woodland)
	Woodland habitat creation
	Grassed areas
	Sustainable placement

Rail alignment formation	Community Area boundary
Returned to suitable development use	Watercourse diversion
Landscape mitigation planting (scrub / woodland)	Existing watercourse
Ecological mitigation pond	Ditches - new
Balancing pond	Hedgerow habitat creation

Rail alignment formation	Existing woodland
Returned to suitable development use	Existing buildings
Landscape mitigation planting (scrub / woodland)	Existing inland water
Ecological mitigation pond	Existing contours
Balancing pond	HS2 access road

130.0m

140.0m

150.0m

160.0m

170.0m

180.0m

190.0m

200.0m

210.0m

220.0m

230.0m

240.0m

250.0m

260.0m

270.0m

280.0m

290.0m

300.0m

310.0m

320.0m

330.0m

340.0m

350.0m

360.0m

370.0m

380.0m

390.0m

400.0m

Map Number
CT-06-224-R1

Map Name
Proposed Scheme



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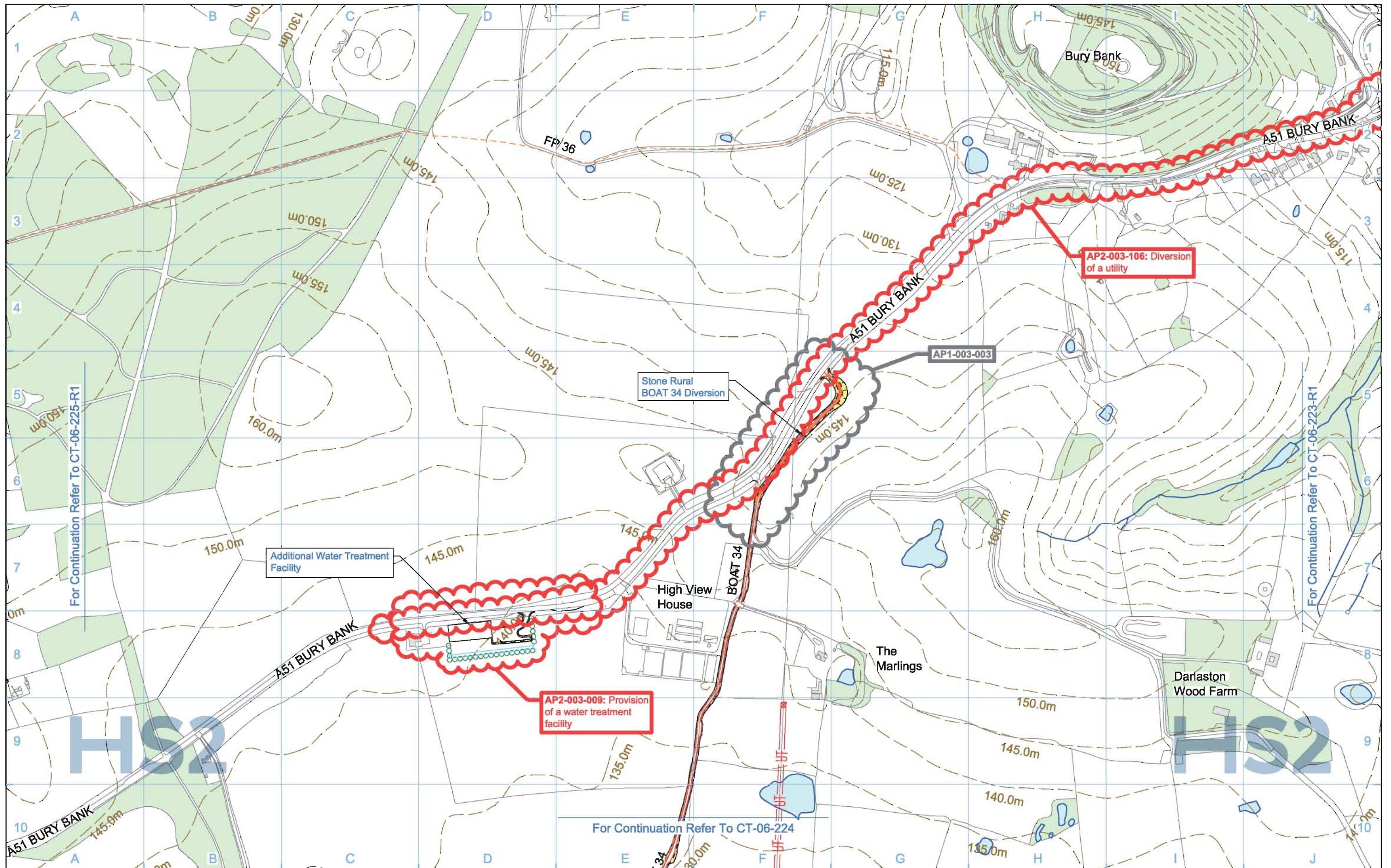
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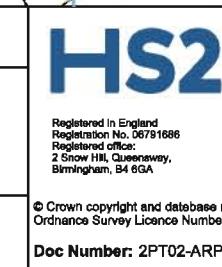


Depot, station, headhouse or portal building	Replacement floodplain storage
Tunnel portal	Woodland habitat creation
Electricity substation	Engineering earthworks
Land drainage area	Wetland habitat creation
Ecological mitigation pond	Landscape earthworks
Balancing pond	Rail alignment formation
	Returned to suitable development use
	Landscape mitigation planting (scrub / woodland)
	Grassed areas
	Local placement of surplus excavated material

Community Area boundary
Watercourse diversion
or
Existing watercourse
Ditches - new
Hedgerow habitat creation
Main utility works
Existing public right of way (PROw)
New, diverted or realigned PROw
Stopped-up PROw
Rail alignment
Chairage (e.g. 10+000)
Tunnels external extent

Existing woodland
Existing buildings
Existing inland water
Existing contours
HS2 access road
Noise fence barrier
Rail alignment
Chairage (e.g. 10+000)

Map Number	CT-06-224-R1
Map Name	Proposed Scheme SES2 and AP2 ES
Community Area	CA3 Stone and Swynnerton



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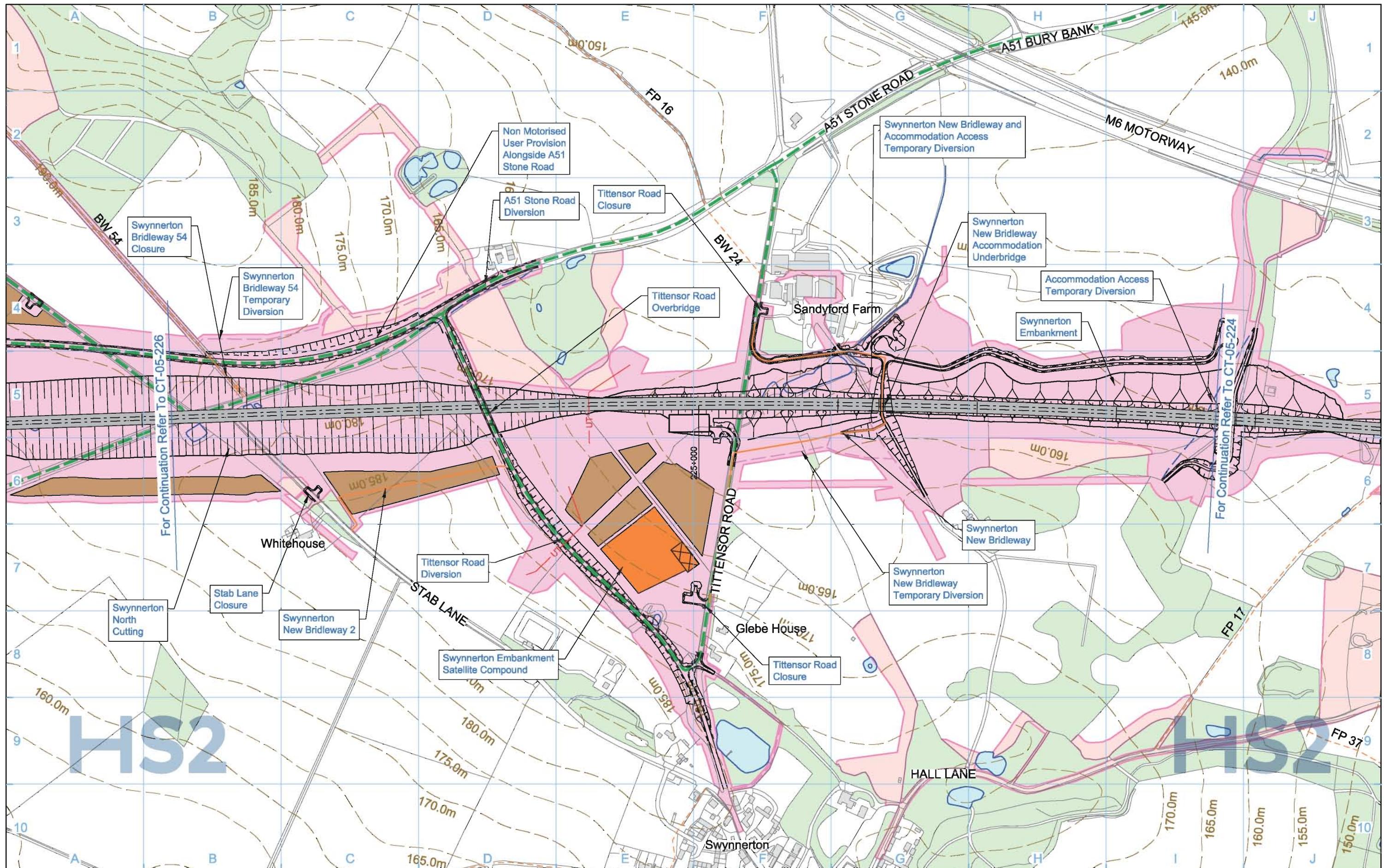
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Legend

- Depot, station, headhouse or portal building
- Tunnel portal
- Main construction compound
- Satellite construction compound
- Railway systems compound
- Temporary material stockpile
- Borrow Pit
- Storage / prefabrication / laydown areas
- Land potentially required during construction
- Extent of land potentially required during construction for mitigation planting
- Temporary replacement community facility
- Community Area boundary
- Tunnels external extent
- Construction traffic route
- Existing public right of way (PRoW)
- New, diverted or realigned PRoW
- Stopped-up PRoW
- Temporary PRoW diversion / realignment
- Landscape earthworks
- Engineering earthworks
- Temporary highway diversion / realignment
- UT Main utility works
- Rail alignment
- Chainage (e.g. 10+000)
- Existing woodland
- Existing buildings
- Existing inland water
- Existing contours
- Rail alignment formation
- Temporary workers accommodation

10+000
100m

130.0m
100m

Map Number
CT-05-225
Map Name
Construction Phase
Community Area
CA3 Stone and Swynnerton

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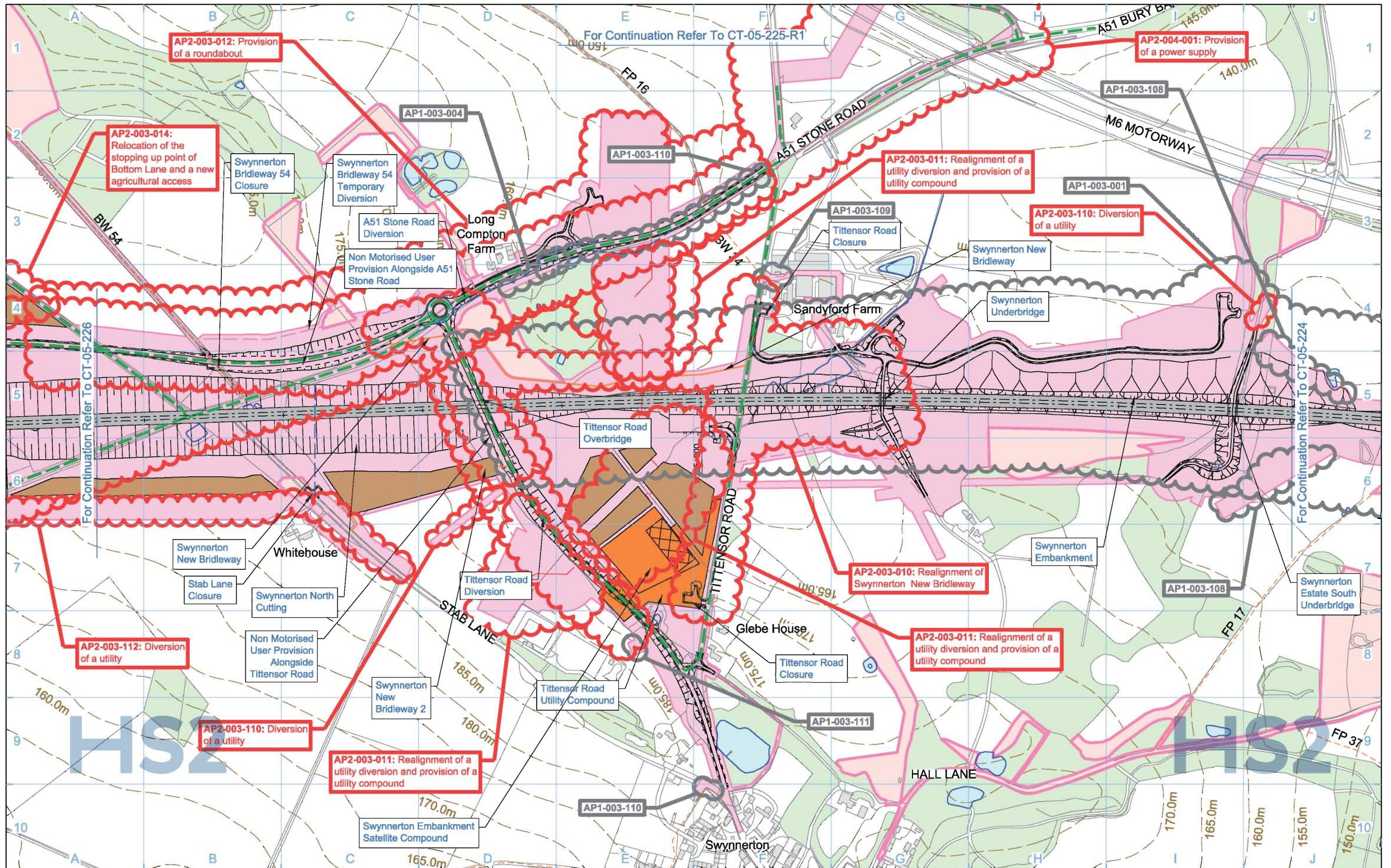
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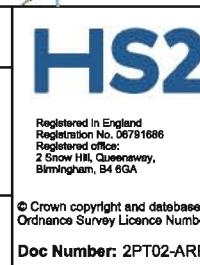
Legend	
Depot, station, headhouse or portal building	Borrow Pit
Tunnel portal	Storage / prefabrication / laydown areas
Main construction compound	Land potentially required during construction
Satellite construction compound	Extent of land potentially required during construction for mitigation planting
Railway systems compound	Temporary replacement community facility
Temporary material stockpile	

Community Area boundary
Tunnels external extent
Construction traffic route
Existing public right of way (PRoW)
New, diverted or realigned PRoW
Stopped-up PRoW
Temporary PRoW diversion / realignment

Landscape earthworks
Engineering earthworks
Temporary highway diversion / realignment
Existing contours
Main utility works
Rail alignment
Chaining (e.g. 10+000)
Temporary workers accommodation

Existing woodland
Existing buildings
Existing inland water
Existing watercourse
Existing contours
Rail alignment formation

Map Number	CT-05-225
Map Name	Construction Phase SES2 and AP2 ES
Community Area	CA3 Stone and Swynnerton



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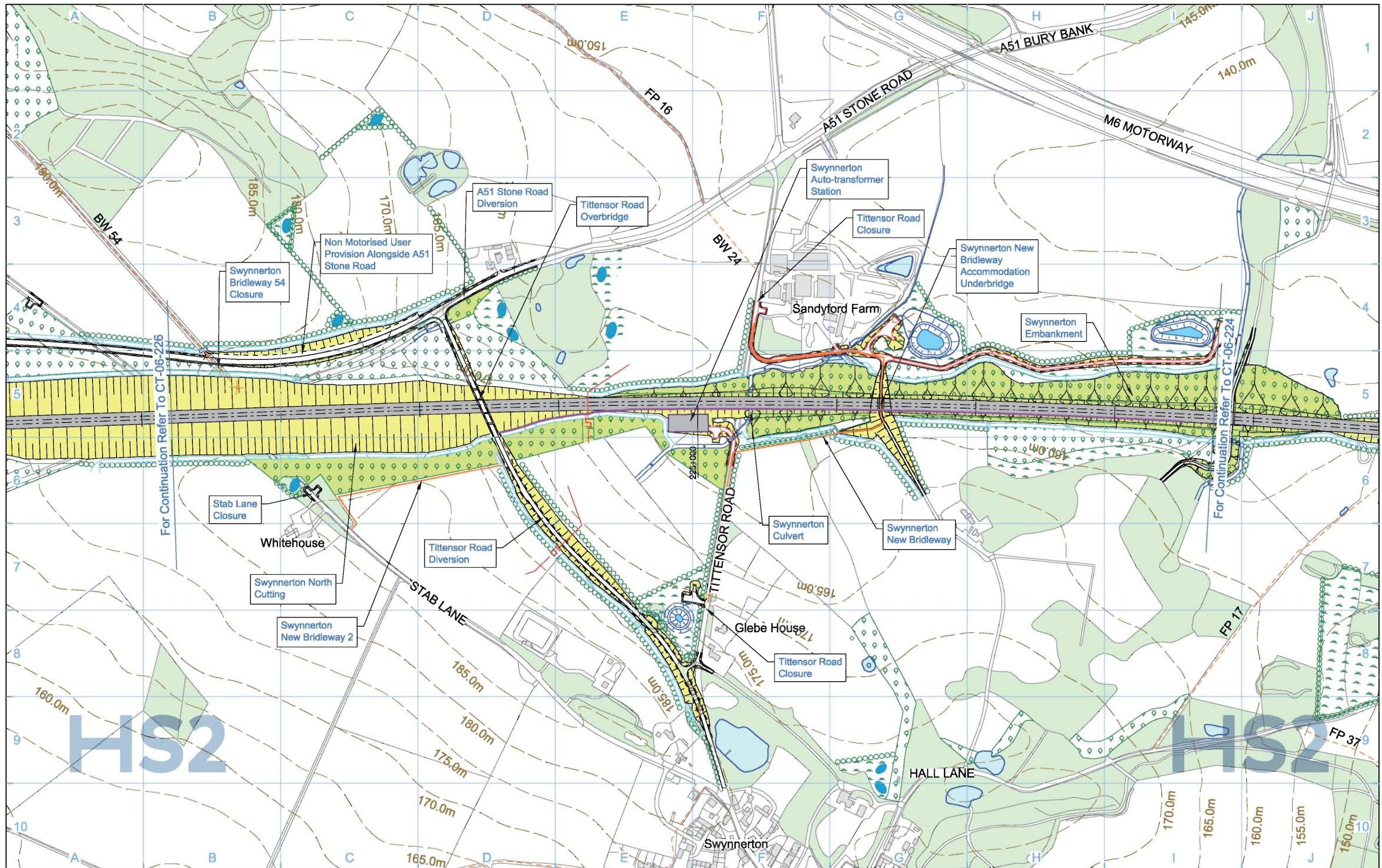
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P05 Date: 15/01/19



Legend

- Depot, station, headhouse or portal building
- Tunnel portal
- Electricity substation
- Land drainage area
- Ecological mitigation pond
- Balancing pond
- Replacement floodplain storage
- Woodland habitat creation
- Wetland habitat creation
- Grassland habitat creation
- Landscape mitigation planting (scrub / woodland)
- Grassed areas
- Sustainable placement

Legend

- Public realm/Replacement community facility
- Engineering earthworks
- Landscape earthworks
- Rail alignment formation
- Returned to suitable development use
- County boundary
- Borough / District boundary
- Community Area boundary
- Watercourse diversion
- Existing watercourse
- Ditches - new
- Hedgerow habitat creation
- UT Main utility works
- Existing public right of way (PROW)
- New, diverted or realigned PROW
- Stopped-up PROW
- Rail alignment
- Chainage (e.g. 10+000)
- Existing woodland
- Existing buildings
- Existing inland water
- Existing contours
- HS2 access road
- Noise fence barrier
- Tunnels external extent

Map Number CT-06-225
Map Name Proposed Scheme
Community Area CA3 Stone and Swynnerton

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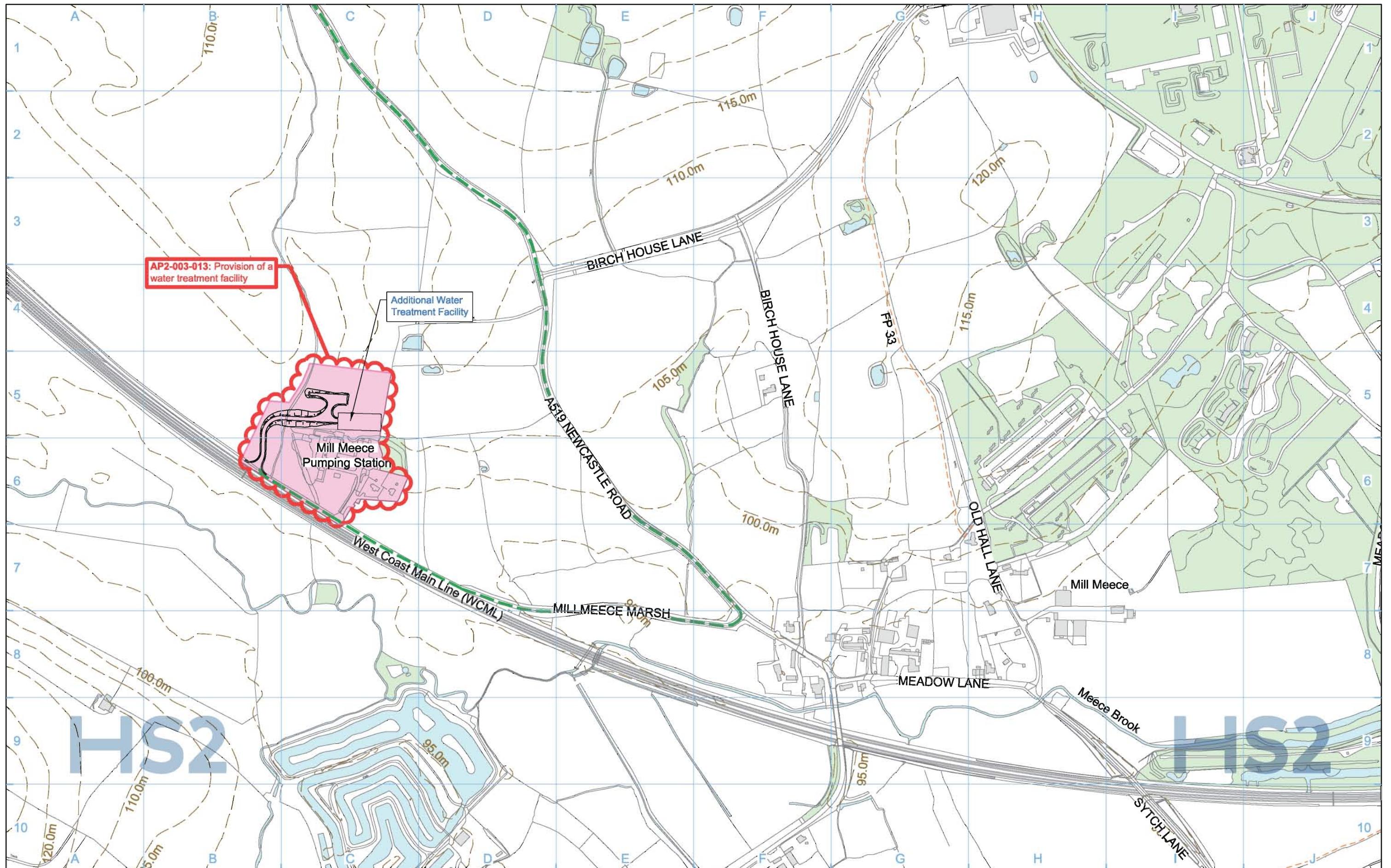


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Legend	
Depot, station, headhouse or portal building	Borrow Pit
Tunnel portal	Storage / prefabrication / laydown areas
Main construction compound	Land potentially required during construction
Satellite construction compound	Extent of land potentially required during construction for mitigation planting
Railway systems compound	Temporary material stockpile
Temporary replacement community facility	

Map Number	CT-05-225-L3
Map Name	Construction Phase SES2 and AP2 ES
Community Area	CA3 Stone and Swynnerton



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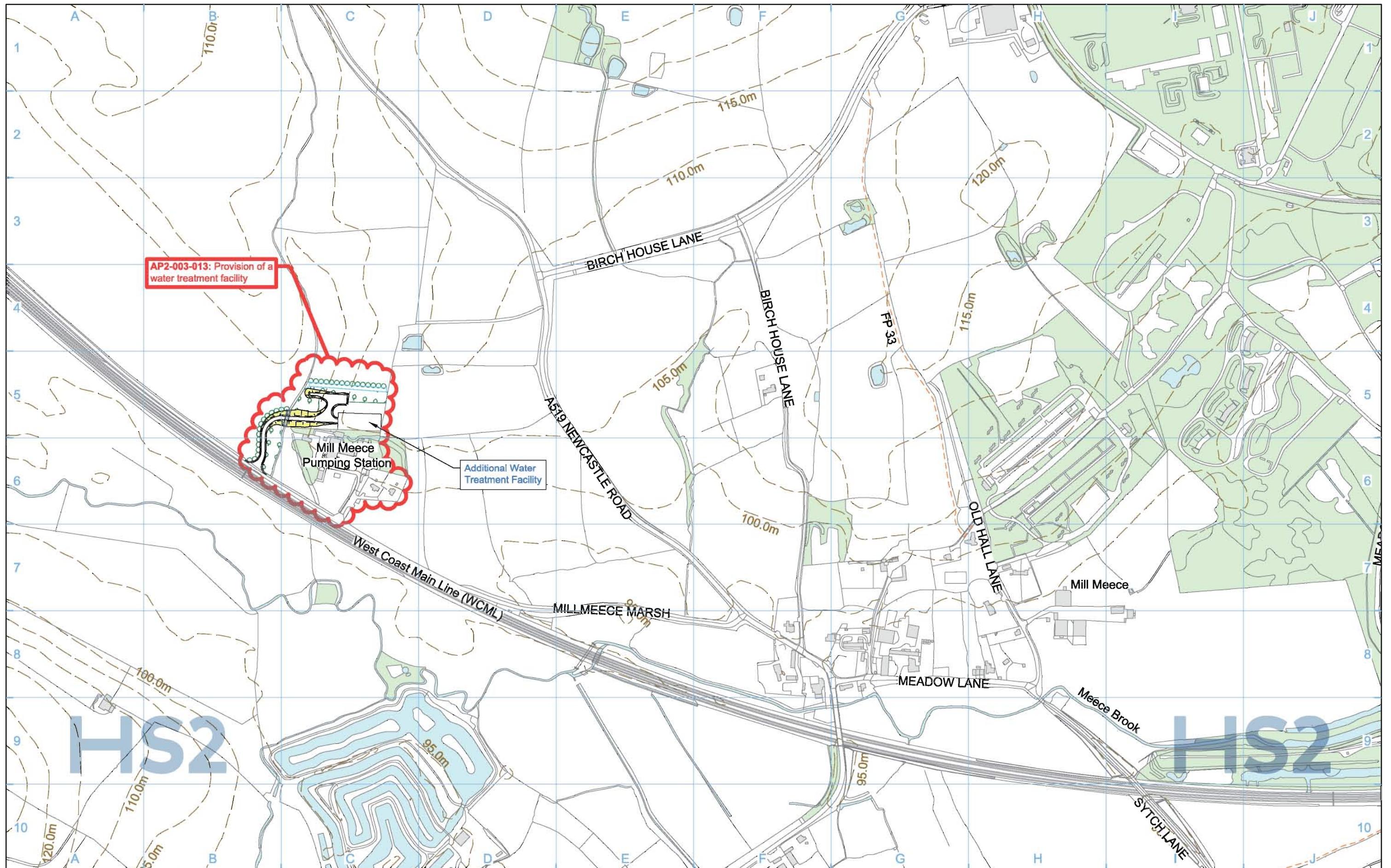


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Depot, station, headhouse or portal building	Replacement floodplain storage
Tunnel portal	Woodland habitat creation
Electricity substation	Engineering earthworks
Land drainage area	Wetland habitat creation
Ecological mitigation pond	Landscape earthworks
Balancing pond	Grassland habitat creation
	Landscape mitigation planting (scrub / woodland)
	Grassed areas
	Local placement of surplus excavated material

Public realm/Replacement community facility	Community Area boundary
Woodland habitat creation	Watercourse diversion
Tunnel portal	Existing watercourse
Electricity substation	Existing watercourse
Land drainage area	Ditches - new
Ecological mitigation pond	Hedgerow habitat creation
Balancing pond	Rail alignment formation

Returned to suitable development use	Existing woodland
Landscaping (scrub / woodland)	Existing buildings
Grassed areas	Existing inland water
Local placement of surplus excavated material	Existing contours
	HS2 access road

County boundary	Noise fence barrier
Borough / District boundary	Rail alignment
	Chainage (e.g. 10+000)
	Tunnels external extent

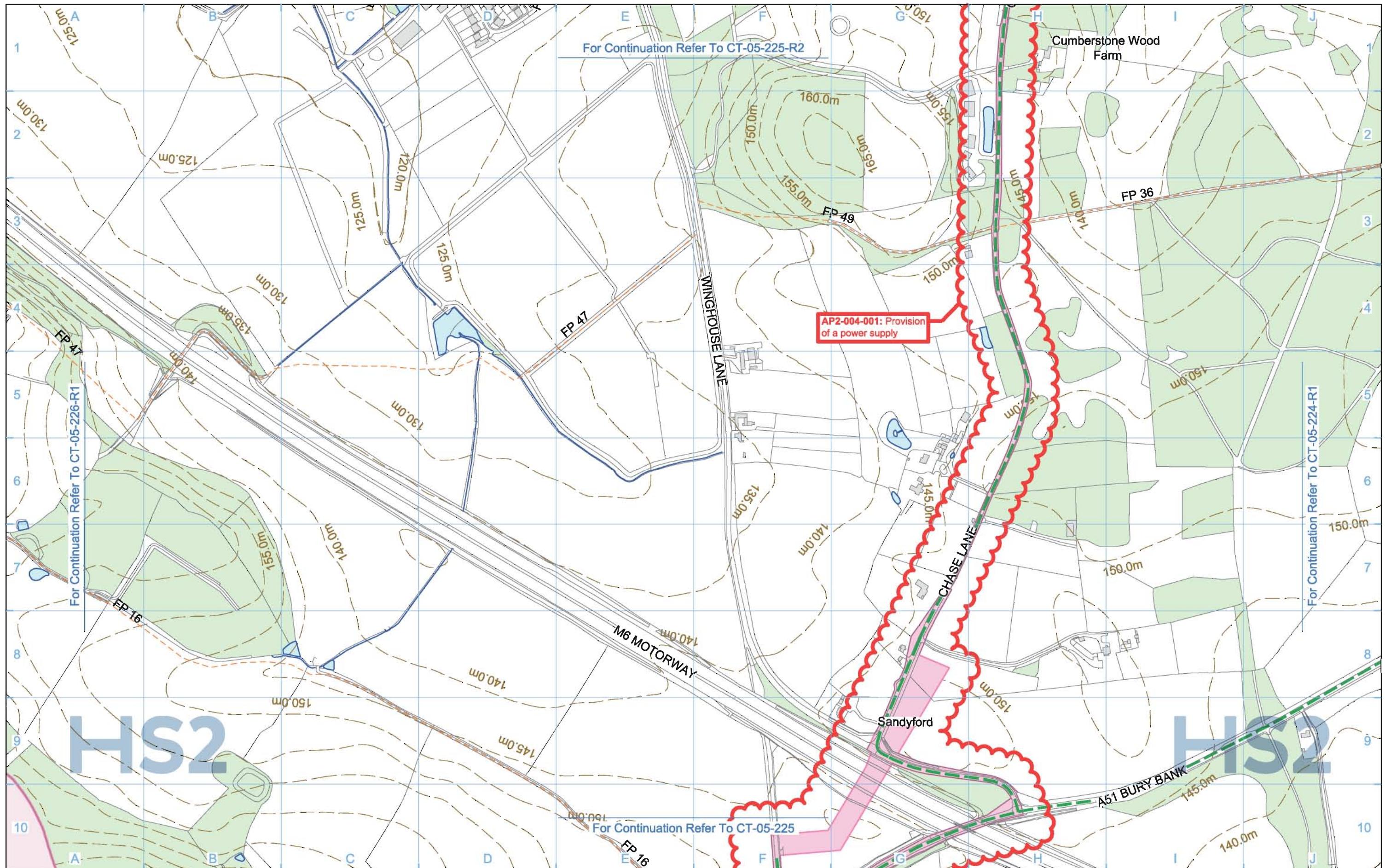
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Map Name	Proposed Scheme SES2 and AP2 ES
Community Area	CA3 Stone and Swynnerton



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Legend	
Depot, station, headhouse or portal building	Borrow Pit
Tunnel portal	Storage / prefabrication / laydown areas
Main construction compound	Land potentially required during construction
Satellite construction compound	Extent of land potentially required during construction for mitigation planting
Railway systems compound	Temporary material stockpile
	Temporary replacement community facility

Community Area boundary
Tunnels external extent
Construction traffic route
Existing public right of way (PRoW)
New, diverted or realigned PRoW
Stopped-up PRoW
Temporary PRoW diversion / realignment

Landscape earthworks	Existing woodland
Engineering earthworks	Existing buildings
Temporary highway diversion / realignment	Existing inland water
or	Existing watercourse
— UT — Main utility works	Existing contours
— Rail alignment	Rail alignment formation
Chainage (e.g. 10+000)	Temporary workers accommodation

Map Number	CT-05-225-R1
Map Name	Construction Phase SES2 and AP2 ES
Community Area	CA3 Stone and Swynnerton



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P03 Date: 11/01/19

10+000

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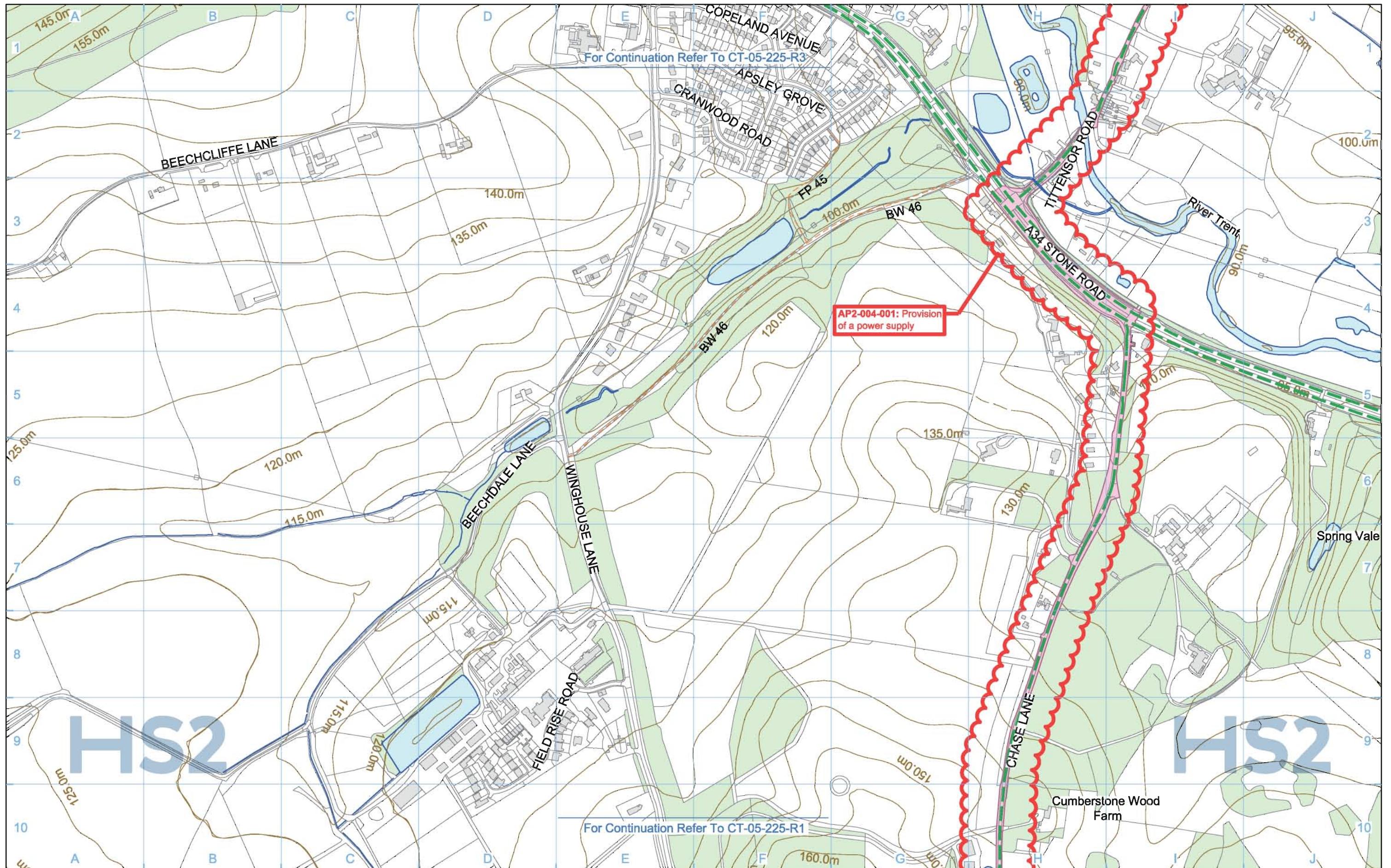
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10-000

No corresponding page in the main ES

No corresponding page in the main ES



Legend	
Depot, station, headhouse or portal building	Borrow Pit
Tunnel portal	Storage / prefabrication / laydown areas
Main construction compound	Land potentially required during construction
Satellite construction compound	Extent of land potentially required during construction for mitigation planting
Railway systems compound	Temporary material stockpile
	Community Area boundary
	Tunnels external extent
	Construction traffic route
	Existing public right of way (PRoW)
	New, diverted or realigned PRoW
	Stopped-up PRoW
	Temporary PRoW diversion / realignment
	Landscape earthworks
	Engineering earthworks
	Temporary highway diversion / realignment
	- UT - Main utility works
	Temporary highway diversion / realignment
	Rail alignment
	Chainage (e.g. 10+000)
	Existing woodland
	Existing buildings
	Existing inland water
	Existing watercourse
	Existing contours
	Existing contours
	Rail alignment formation
	Temporary workers accommodation

10+000
10+000
10+000
10+000
10+000

145.0m	A	155.0m	B	C	D	E	F	G	H	I	J
140.0m											
135.0m											
125.0m											
120.0m											
115.0m											
110.0m											
105.0m											
100.0m											
95.0m											
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Map Number	CT-05-225-R2
Map Name	Construction Phase SES2 and AP2 ES
Community Area	CA3 Stone and Swynnerton

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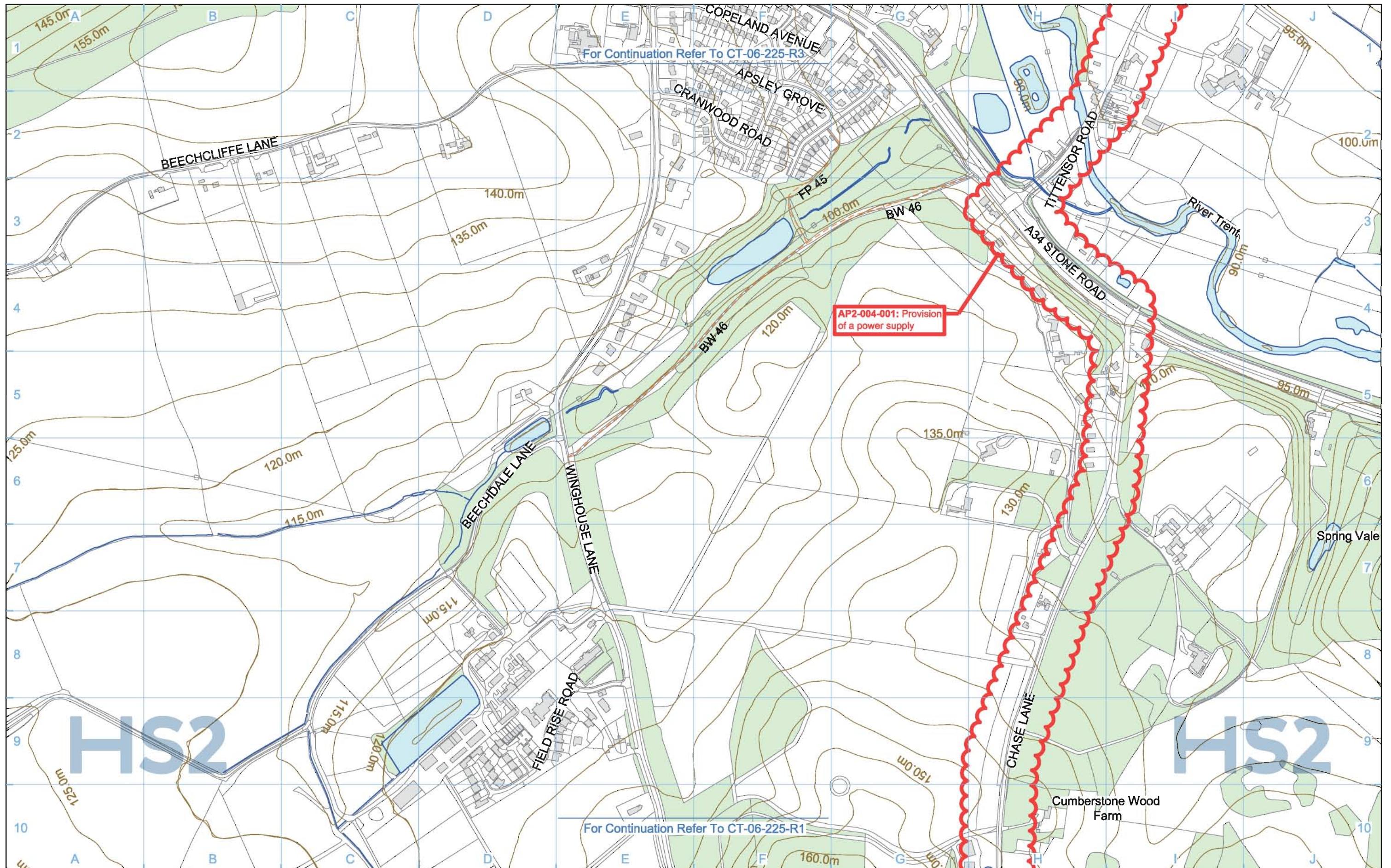


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Legend

- Depot, station, headhouse or portal building
- Tunnel portal
- Electricity substation
- Land drainage area
- Ecological mitigation pond
- Balancing pond
- Replacement floodplain storage
- Woodland habitat creation
- Wetland habitat creation
- Grassland habitat creation
- Landscape mitigation planting (scrub / woodland)
- Grassed areas
- Local placement of surplus excavated material

Legend

- Public realm/Replacement community facility
- Engineering earthworks
- Landscape earthworks
- Rail alignment formation
- Returned to suitable development use
- County boundary
- Borough / District boundary
- or
- Watercourse diversion
- Existing watercourse
- Ditches - new
- Hedgerow habitat creation
- UT -
- Existing public right of way (PROw)
- New, diverted or realigned PROw
- Stopped-up PROw
- Tunnels external extent

Community Area

- Community Area boundary
- Existing woodland
- Existing buildings
- Existing inland water
- Existing contours
- HS2 access road
- Noise fence barrier
- Rail alignment
- Chairage (e.g. 10+000)

Map Number
CT-06-225-R2
Map Name
Proposed Scheme
SES2 and AP2 ES
Community Area
CA3 Stone and Swynnerton

Map Number
CT-06-225-R2
Map Name
Proposed Scheme
SES2 and AP2 ES
Community Area
CA3 Stone and Swynnerton

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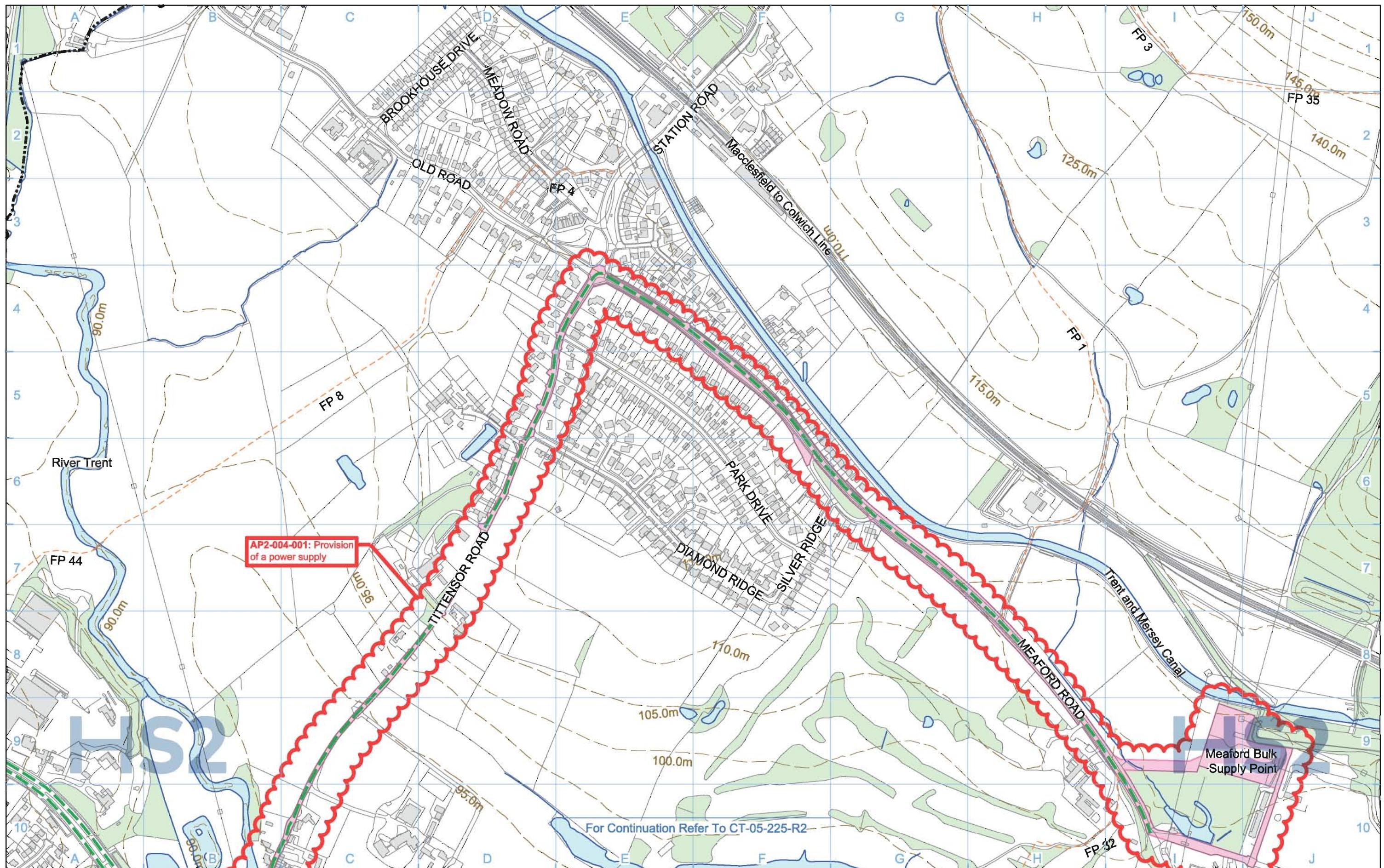
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Legend

- Depot, station, headhouse or portal building
- Tunnel portal
- Main construction compound
- Satellite construction compound
- Railway systems compound
- Temporary material stockpile
- Borrow Pit
- Storage / prefabrication / laydown areas
- Land potentially required during construction
- Extent of land potentially required during construction for mitigation planting
- Temporary replacement community facility
- Community Area boundary
- Tunnels external extent
- Construction traffic route
- Existing public right of way (PRoW)
- New, diverted or realigned PRoW
- Stopped-up PRoW
- Temporary PRoW diversion / realignment
- Landscape earthworks
- Engineering earthworks
- Temporary highway diversion / realignment
- UT - Main utility works
- Rail alignment
- Chainage (e.g. 10+000)
- Existing woodland
- Existing buildings
- Existing inland water
- Existing watercourse
- Existing contours
- Rail alignment formation
- Temporary workers accommodation

10+000
10-000
10-000

Map Number
CT-05-225-R3
Map Name
Construction Phase
SES2 and AP2 ES
Community Area
CA3 Stone and Swynnerton

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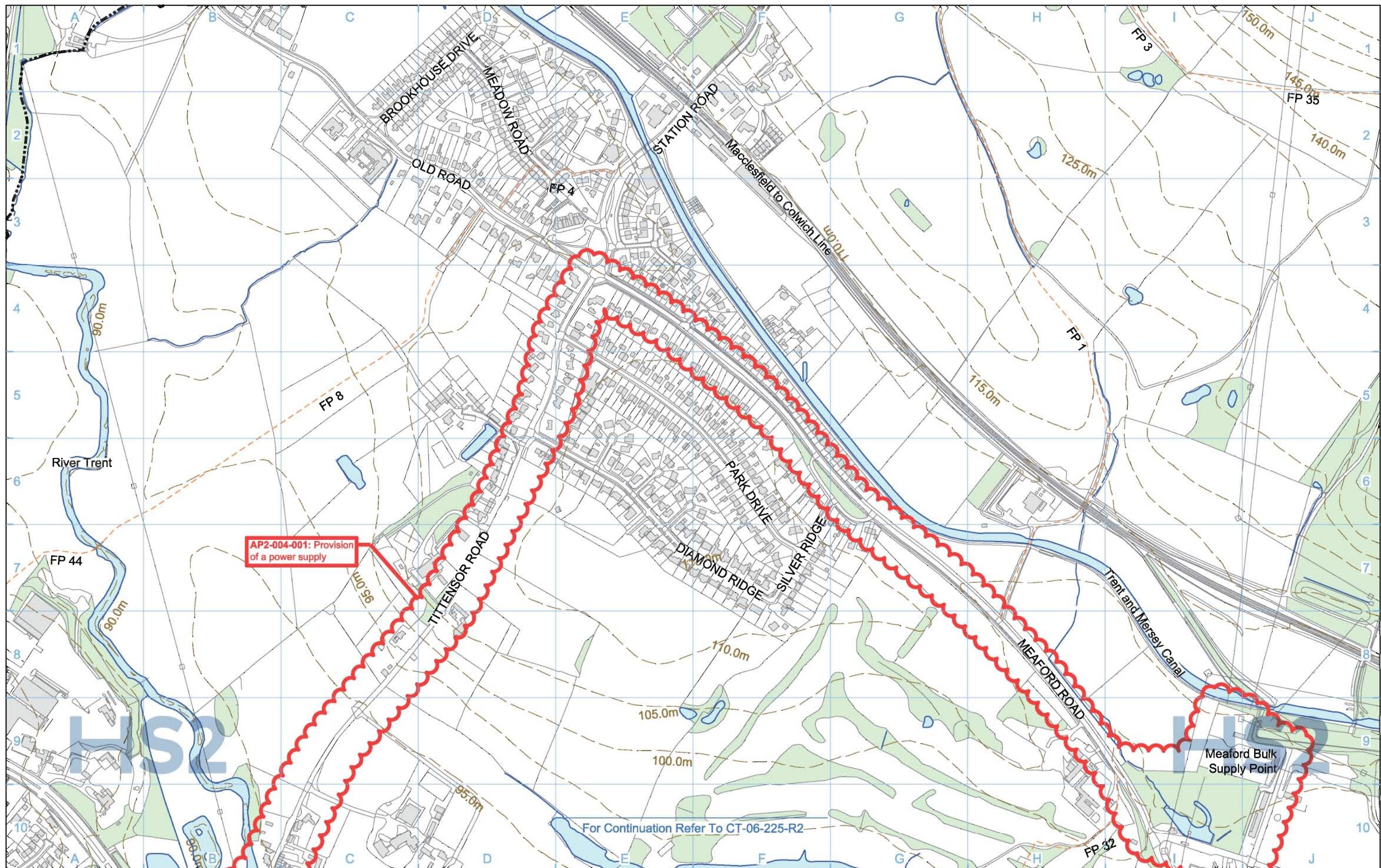
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Legend	
Depot, station, headhouse or portal building	Replacement floodplain storage
Tunnel portal	Woodland habitat creation
Electricity substation	Wetland habitat creation
Land drainage area	Engineering earthworks
Ecological mitigation pond	Landscape earthworks
Balancing pond	Rail alignment formation
	Returned to suitable development use
	Landscape mitigation planting (scrub / woodland)
	Grassed areas
	Local placement of surplus excavated material

Public realm/Replacement community facility	Community Area boundary
Watercourse diversion	Existing woodland
or	Existing buildings
Existing watercourse	Existing inland water
Ditches - new	Existing contours
Hedgerow habitat creation	HS2 access road
Main utility works	Noise fence barrier
Existing public right of way (PROw)	Rail alignment
New, diverted or realigned PROw	Chairage
Stopped-up PROw	(e.g. 10+000)
County boundary	
Borough / District boundary	
Tunnels external extent	

Map Number	CT-06-225-R3
Map Name	Proposed Scheme SES2 and AP2 ES
Community Area	CA3 Stone and Swynnerton



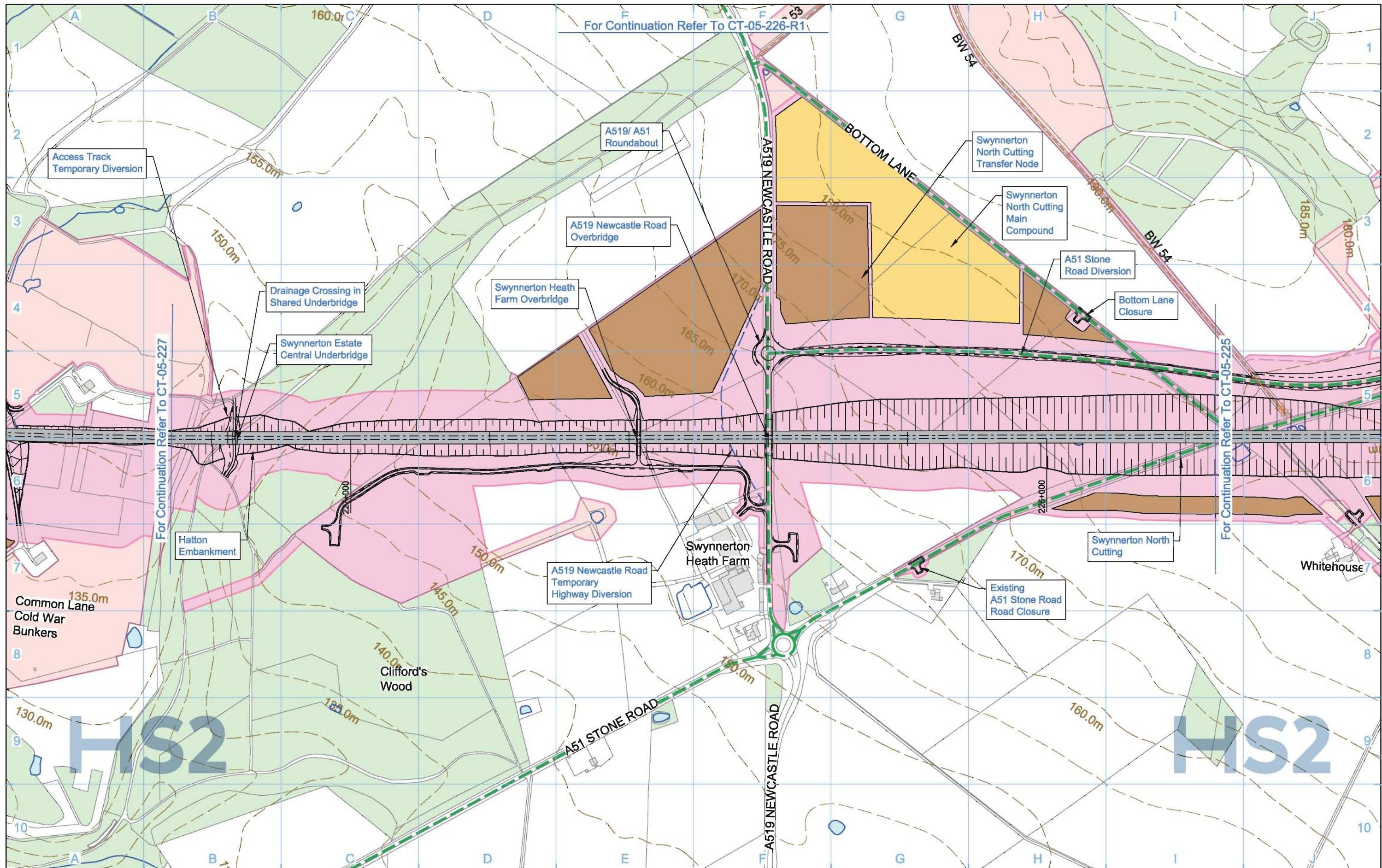
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Legend	
Depot, station, headhouse or portal building	Borrow Pit
Tunnel portal	Storage / prefabrication / laydown areas
Main construction compound	Land potentially required during construction
Satellite construction compound	Extent of land potentially required during construction for mitigation planting
Railway systems compound	Temporary replacement community facility
Temporary material stockpile	

Community Area boundary
Tunnels external extent
Construction traffic route
Existing public right of way (PRoW)
New, diverted or realigned PRoW
Stopped-up PRoW
Temporary PRoW diversion / realignment

Landscape earthworks
Engineering earthworks
Temporary highway diversion / realignment
Existing utility works
Main utility works
Existing contours
Rail alignment
Chainage (e.g. 10+000)

Map Number	CT-05-226
Map Name	Construction Phase
Community Area	CA3 Stone and Swynnerton

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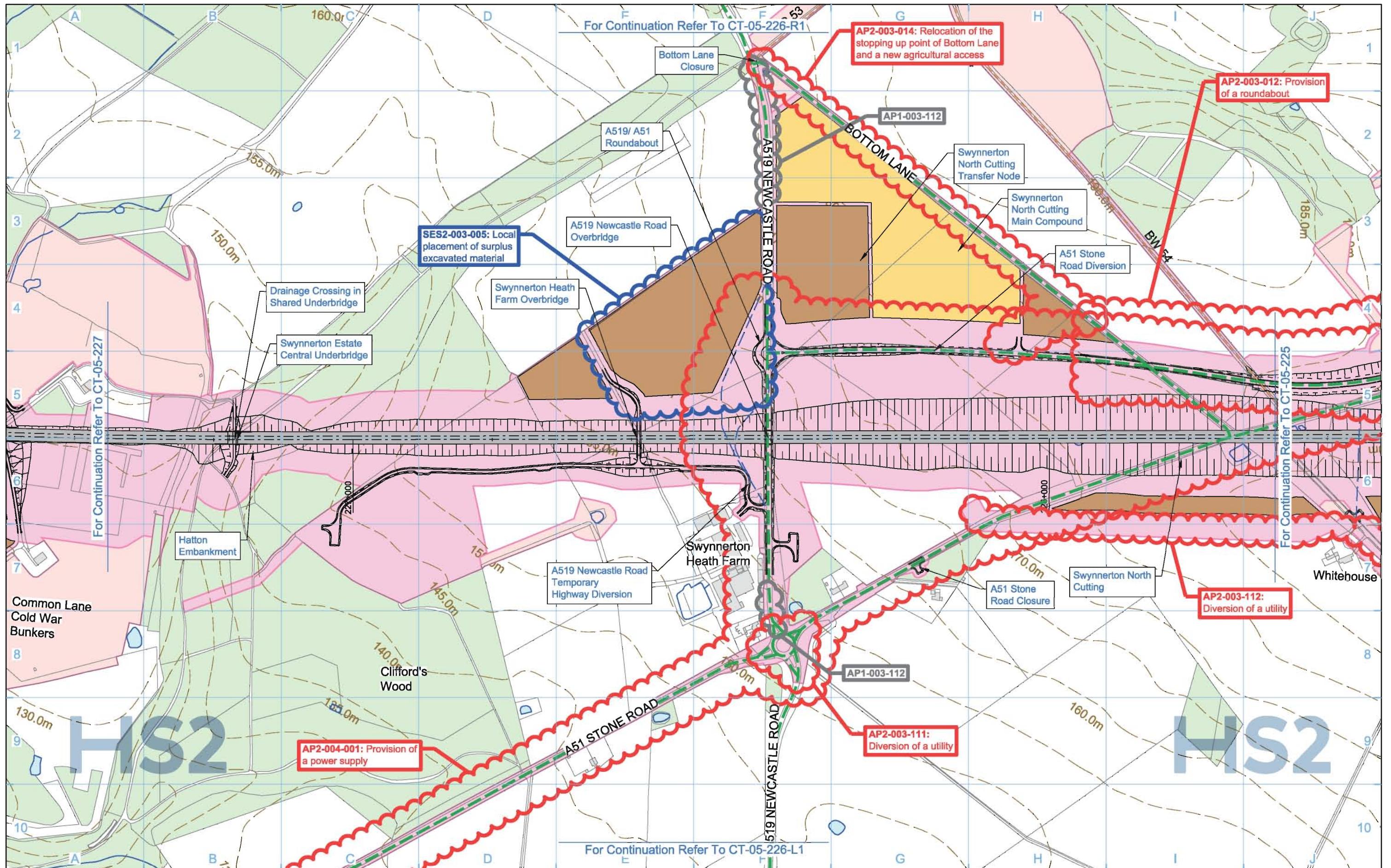


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Legend	
Depot, station, headhouse or portal building	Borrow Pit
Tunnel portal	Storage / prefabrication / laydown areas
Main construction compound	Land potentially required during construction
Satellite construction compound	Extent of land potentially required during construction for mitigation planting
Railway systems compound	Temporary replacement community facility
Temporary material stockpile	
	Community Area boundary
	Tunnels external extent
	Construction traffic route
	Existing public right of way (PRoW)
	New, diverted or realigned PRoW
	Stopped-up PRoW
	Temporary PRoW diversion / realignment
	Landscape earthworks
	Engineering earthworks
	Temporary highway diversion / realignment
	Existing inland water or Existing watercourse
	Main utility works
	Existing contours
	Rail alignment
	Chaining
	(e.g. 10+000)
	Rail alignment formation
	Temporary workers accommodation

For Continuation Refer To CT-05-226-L1

For Continuation Refer To CT-05-227

For Continuation Refer To CT-05-225

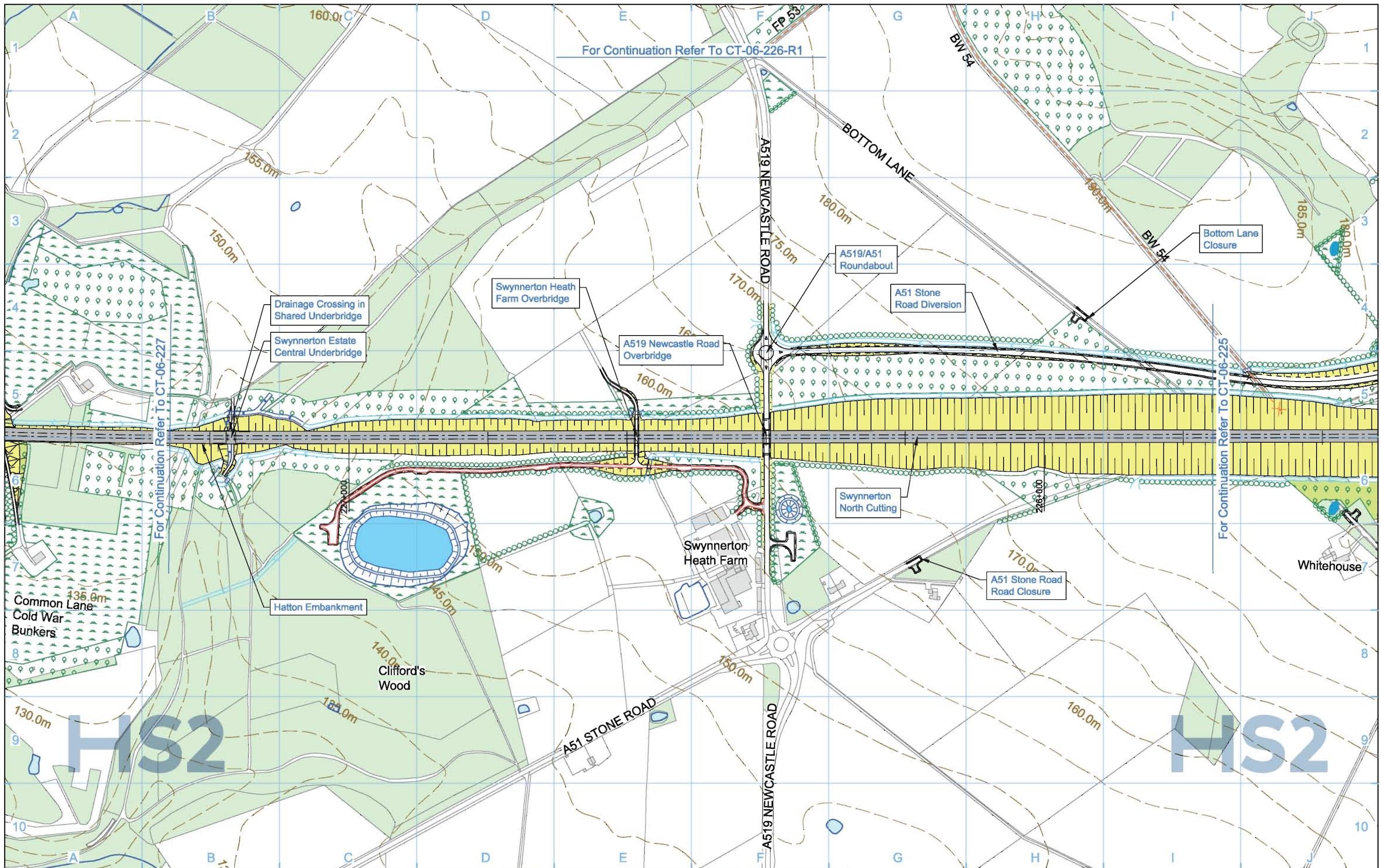
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Map Number	CT-05-226
Map Name	Construction Phase SES2 and AP2 ES
Community Area	CA3 Stone and Swynnerton



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Legend

- Depot, station, headhouse or portal building
- Tunnel portal
- Electricity substation
- Land drainage area
- Ecological mitigation pond
- Balancing pond
- Replacement floodplain storage
- Woodland habitat creation
- Wetland habitat creation
- Grassland habitat creation
- Landscape mitigation planting (scrub / woodland)
- Grassed areas
- Sustainable placement

- Public realm/Replacement community facility
- Engineering earthworks
- Landscape earthworks
- Rail alignment formation
- Returned to suitable development use
- UT
- Existing watercourse
- Ditches - new
- Hedgerow habitat creation
- Main utility works
- Existing public right of way (PROW)
- New, diverted or realigned PROW
- Stopped-up PROW
- Community Area boundary
- Watercourse diversion
- Existing buildings
- Existing inland water
- Existing contours
- HS2 access road
- Noise fence barrier
- Rail alignment
- Chainage
- (e.g. 10+000)

- County boundary
- Borough / District boundary
- Tunnels external extent

Map Number
CT-06-226
Map Name
Proposed Scheme
Community Area
CA3 Stone and Swynnerton

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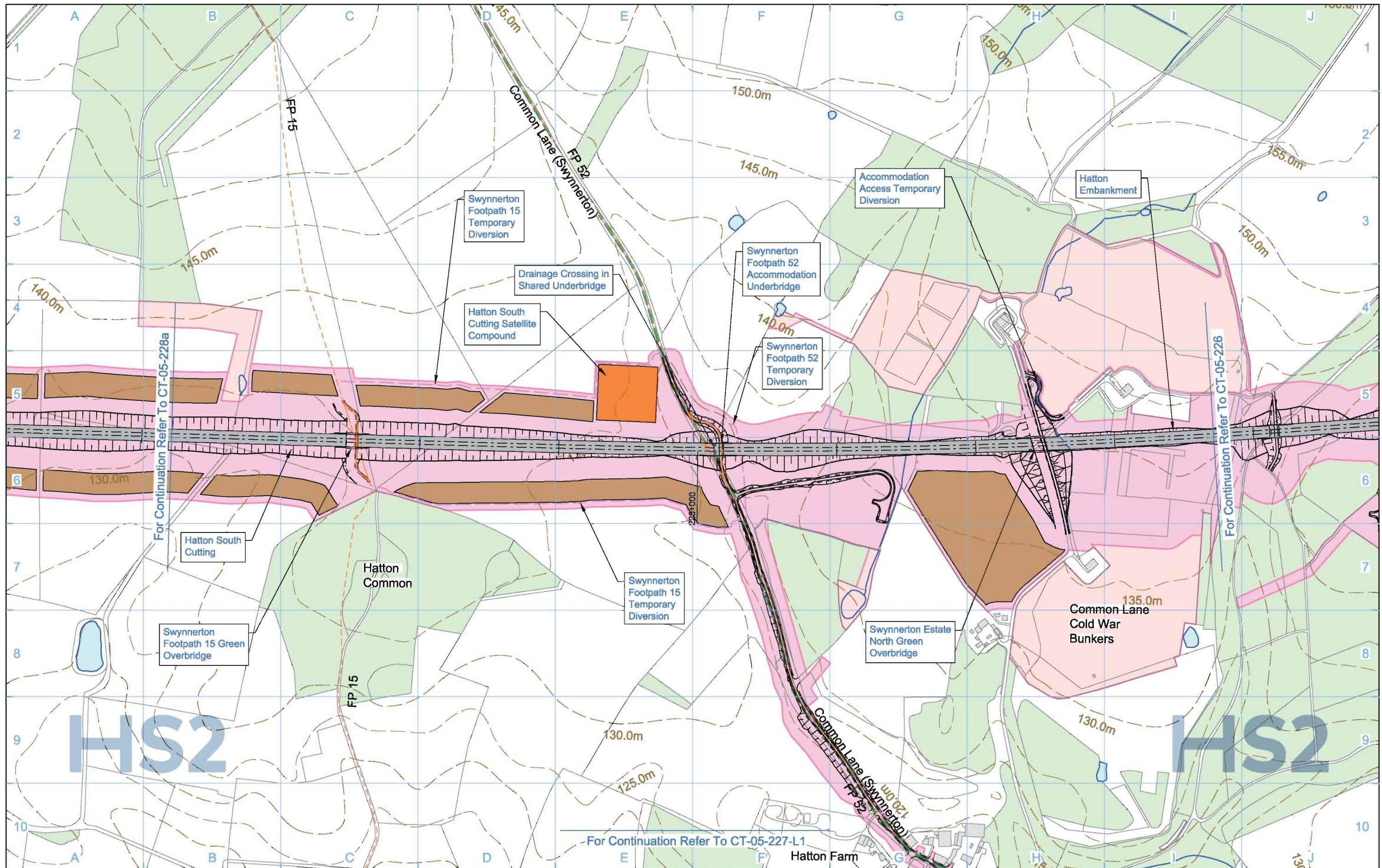
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Legend

Depot, station, headhouse or portal building	Borrow Pit
Tunnel portal	Storage / prefabrication / laydown areas
Main construction compound	Land potentially required during construction
Satellite construction compound	Extent of land potentially required during construction for mitigation planting
Railway systems compound	Temporary replacement community facility
Temporary material stockpile	

Legend

Community Area boundary	Landscape earthworks
Dashed line	Engineering earthworks
Construction traffic route	Temporary highway diversion / realignment
Existing public right of way (PRoW)	130.0m
New, diverted or realigned PRoW	UT Main utility works
Stopped-up PRoW	Rail alignment
Temporary PRoW diversion / realignment	Chainage (e.g. 10+000)

Legend

Existing woodland	Existing buildings
Existing buildings	Existing inland water
Existing contours	Existing watercourse
Rail alignment formation	Existing contours
Temporary workers accommodation	

Map Number
CT-05-227
Map Name
Construction Phase
Community Area
CA3 Stone and Swynnerton

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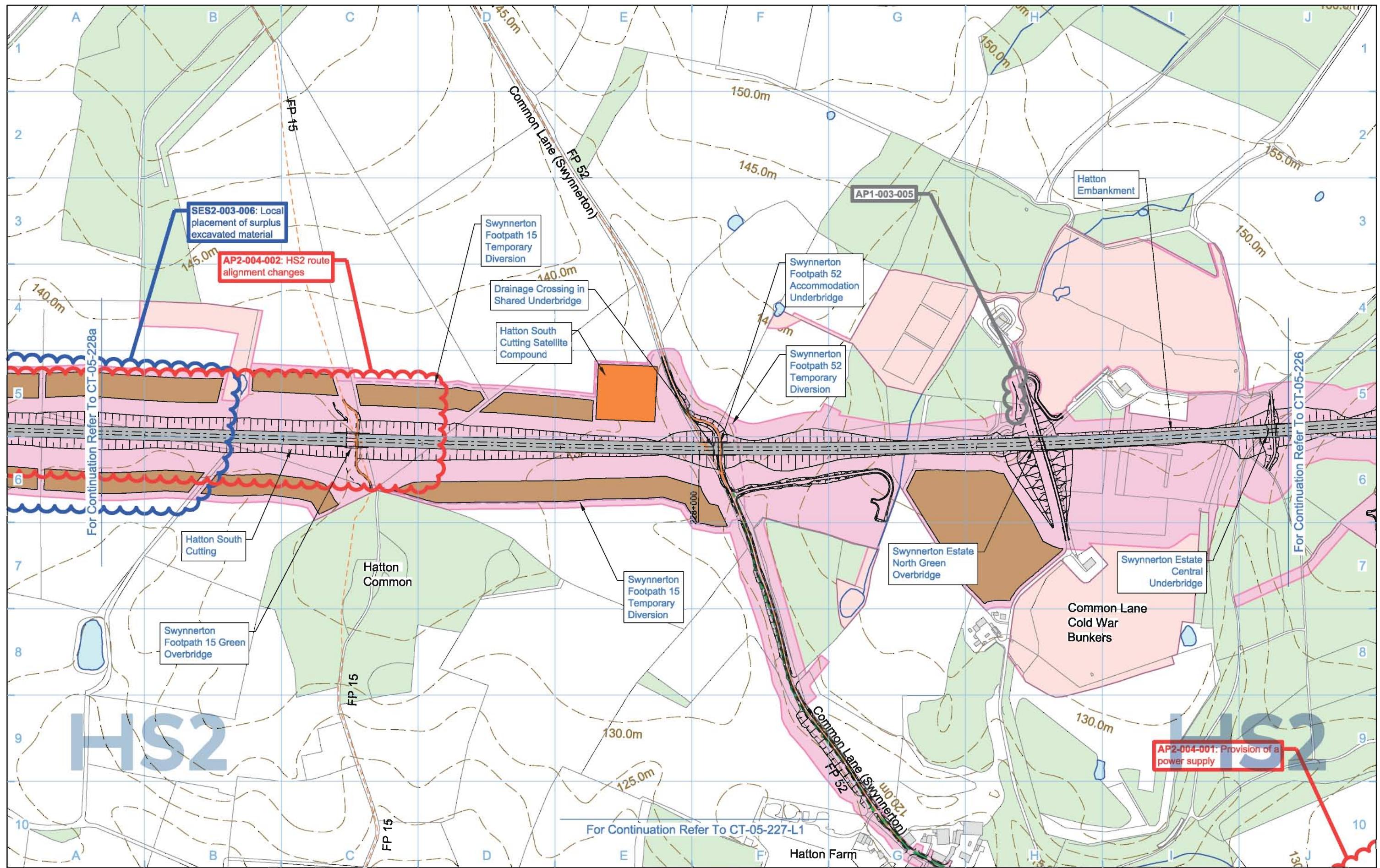
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Legend

Depot, station, headhouse or portal building	Borrow Pit	Community Area boundary
Tunnel portal	Storage / prefabrication / laydown areas	Tunnels external extent
Main construction compound	Land potentially required during construction	Construction traffic route
Satellite construction compound	Extent of land potentially required during construction for mitigation planting	Existing public right of way (PRoW)
Railway systems compound	Temporary replacement community facility	New, diverted or realigned P
Temporary material stockpile		Stopped-up PRoW
		Temporary PRoW diversion / realignment

Map Number	CT-05-227
Map Name	Construction Phase SES2 and AP2 ES
Community Area	CA3 Stone and Swynnerton

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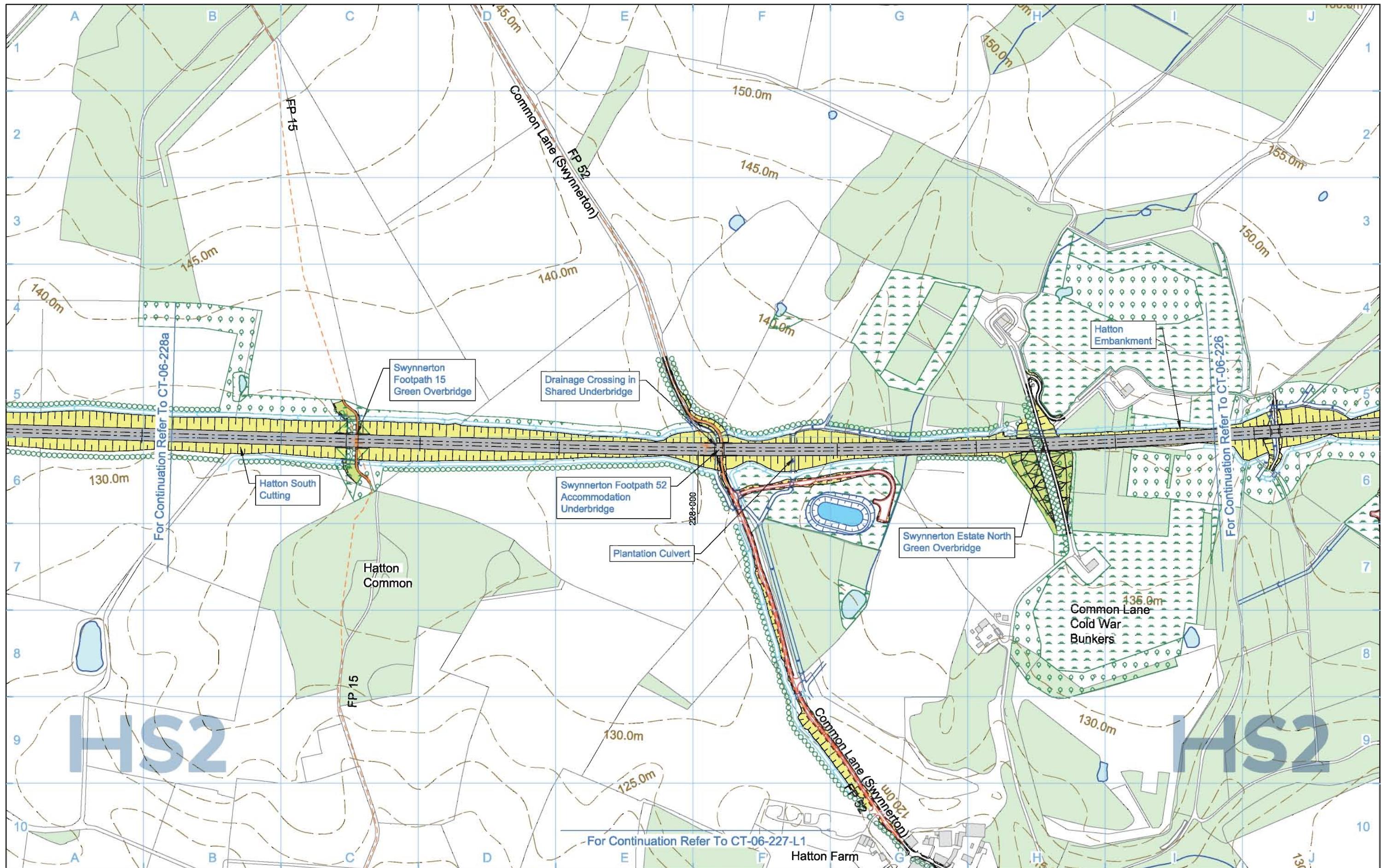
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03 Date: 11/01/19



Legend

Depot, station, headhouse or portal building	Replacement floodplain storage
Tunnel portal	Public realm/Replacement community facility
Electricity substation	Watercourse diversion
Land drainage area	Engineering earthworks
Ecological mitigation pond	Existing woodland
Balancing pond	Existing buildings
Woodland habitat creation	Existing watercourse
Wetland habitat creation	Ditches - new
Grassland habitat creation	Hedgerow habitat creation
Landscape mitigation planting (scrub / woodland)	— UT — Main utility works
Landscaped areas	— Existing public right of way (PROW)
Sustainable placement	— New, diverted or realigned PROW

Landscaped areas	Community Area boundary
Sustainable placement	Watercourse diversion
Engineering earthworks	Existing woodland
Landscape earthworks	Existing buildings
Returned to suitable development use	Existing watercourse
County boundary	Ditches - new
Stoped-up PROW	Hedgerow habitat creation
Borough / District boundary	— UT — Main utility works
Tunnels external extent	— Existing public right of way (PROW)

10+000	Existing inland water
130.0m	Existing contours
130.0m	HS2 access road
130.0m	Noise fence barrier
125.0m	Rail alignment
135.0m	Chainage
140.0m	(e.g. 10+000)

Map Number: CT-06-227
Map Name: Proposed Scheme
Community Area: CA3 Stone and Swynnerton

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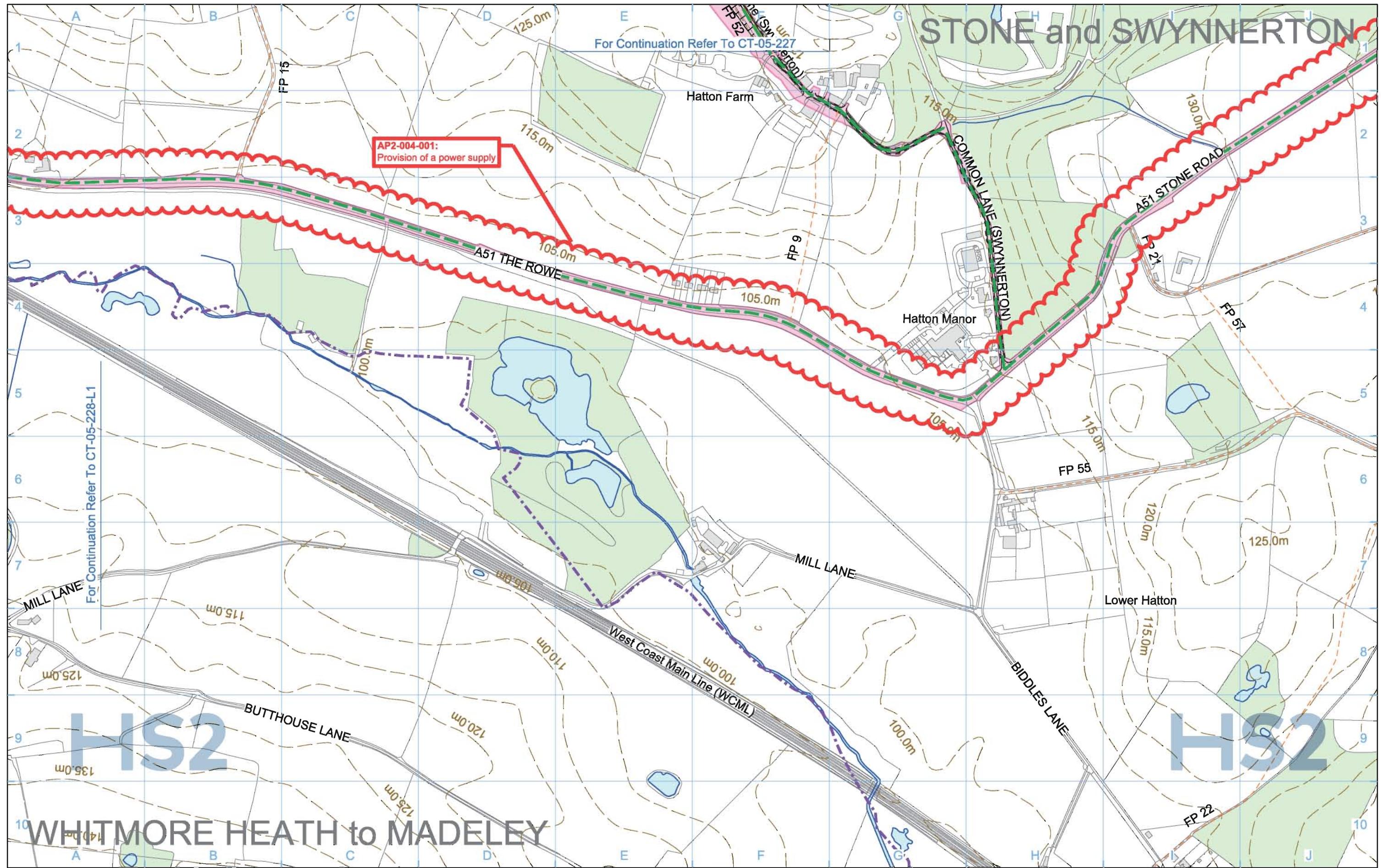
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WHITMORE HEATH to MADELEY

The legend identifies eight categories of construction facilities and their associated colors:

- Depot, station, headhouse or portal building**: Red box
- Tunnel portal**: Blue-grey box
- Main construction compound**: Yellow box
- Satellite construction compound**: Orange box
- Railway systems compound**: Orange box with diagonal hatching
- Temporary material stockpile**: Brown box
- Borrow Pit**: Light orange box
- Storage / prefabrication / laydown areas**: Teal box
- Land potentially required during construction**: Pink box
- Extent of land potentially required during construction for mitigation planting**: Light pink box
- Temporary replacement community facility**: Magenta box

- Community Area boundary
- Tunnels external extent
- Construction traffic route
- Existing public right of way (PRoW)
- New, diverted or realigned PRoW
- Stopped-up PRoW
- Temporary PRoW diversion / realignment

Landscape earthworks

Engineering earthworks

Temporary highway diversion / realignment

Main utility works

Rail alignment

**Chainage
(e.g. 10+000)**

Existing woodland

Existing buildings

Existing inland water

Existing watercourse

Existing contours

Rail alignment formation

Temporary workers accommodation

Map Nu

CT-05-227-L1

Construction Phase
SES2 and AP2 ES

CA3 Steps and Swaps

HS2

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Figure 1. A schematic diagram of the experimental setup. The light source (laser) emits a beam of light that passes through a lens and a polarizer. The beam then enters a fiber optic cable, which is connected to a photodetector. The photodetector is connected to a computer, which displays the signal. The fiber optic cable is also connected to a second photodetector, which is connected to a second computer. The second computer displays the signal. The fiber optic cable is also connected to a third photodetector, which is connected to a third computer. The third computer displays the signal.

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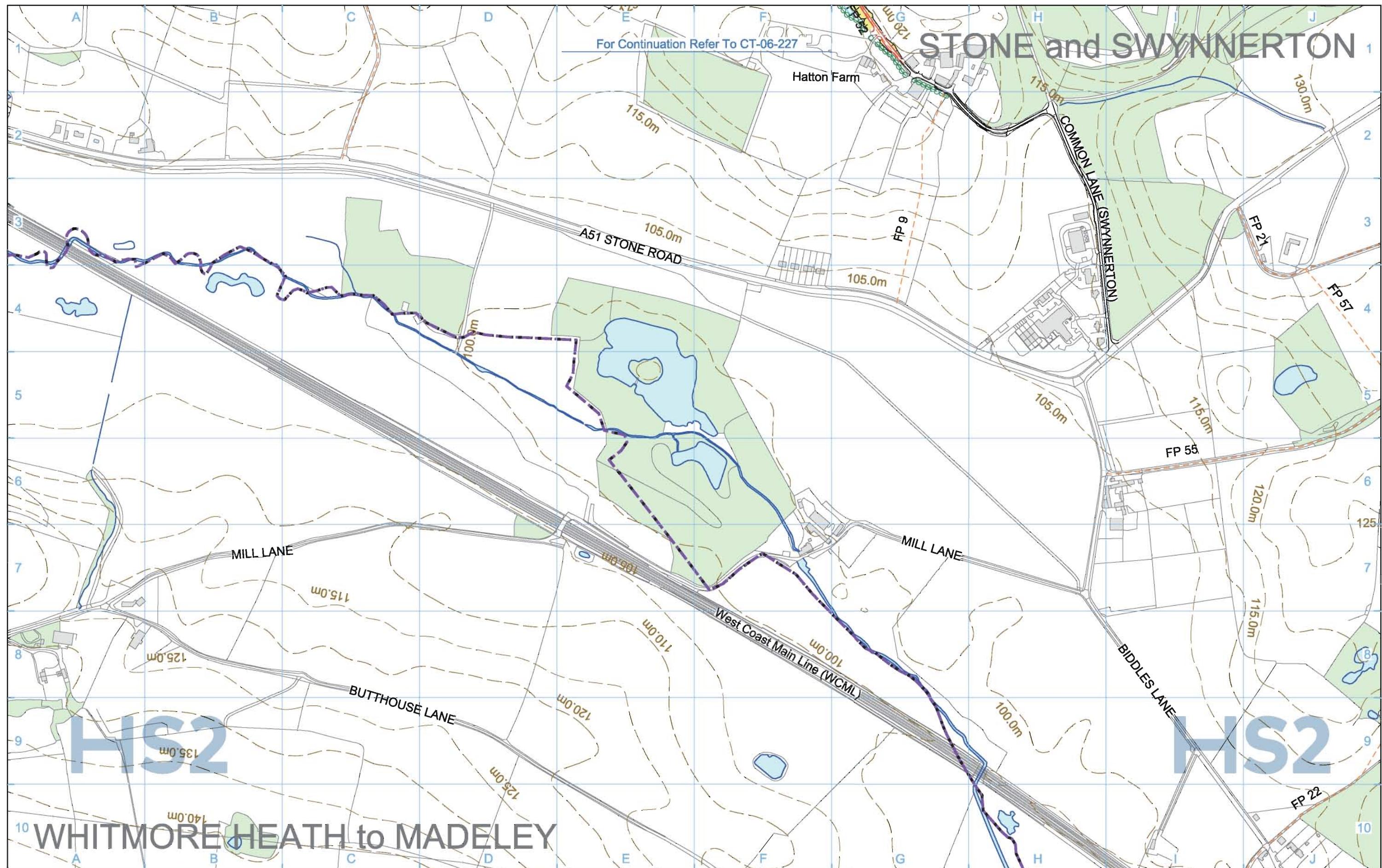
Figure 20-10.
Order number 100049180.

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STONE and SWYNNERTON

For Continuation Refer To CT-06-227

Hatton Farm



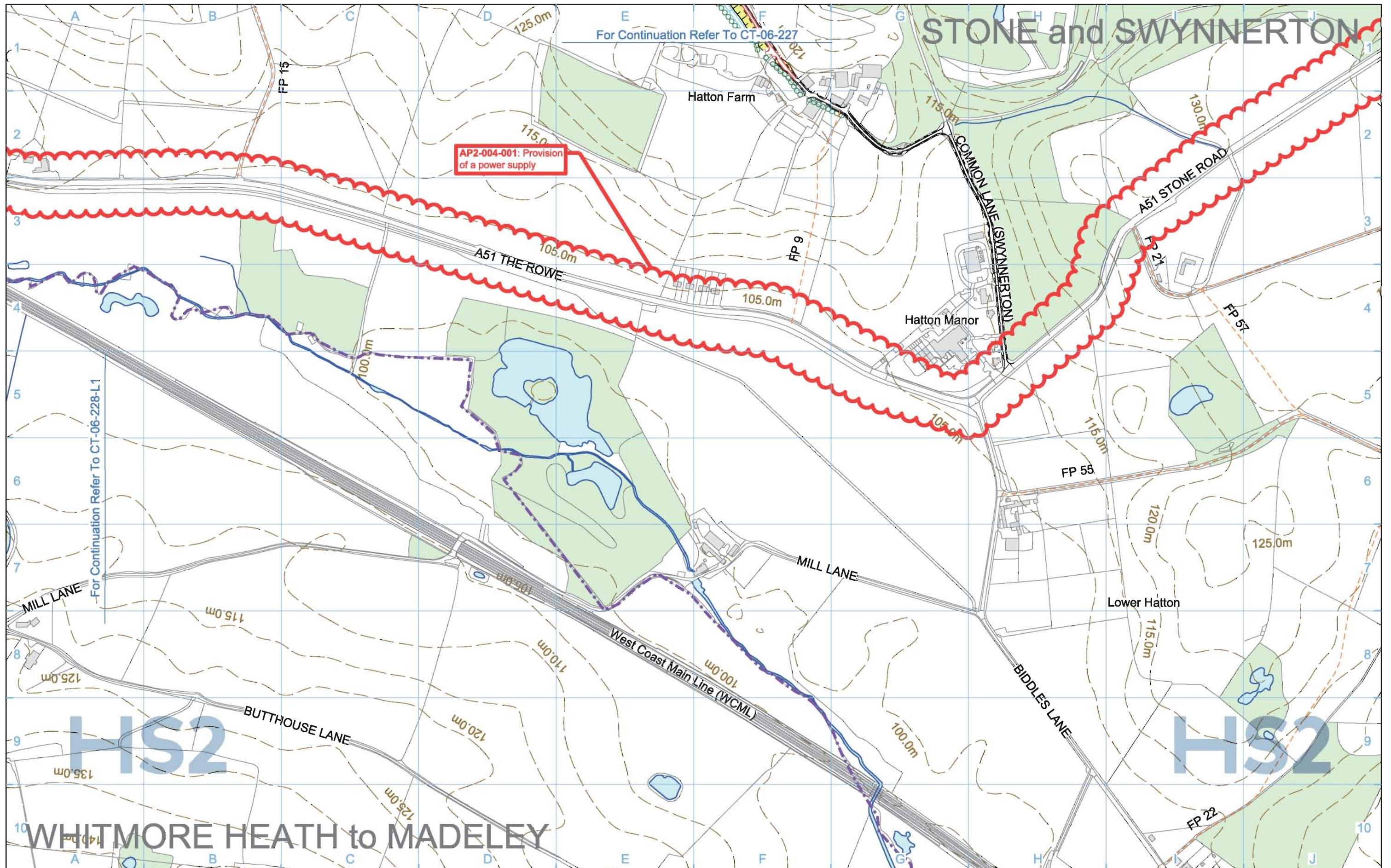
Legend	
Depot, station, headhouse or portal building	Replacement floodplain storage
Tunnel portal	Woodland habitat creation
Electricity substation	Engineering earthworks
Land drainage area	Wetland habitat creation
Ecological mitigation pond	Grassland habitat creation
Balancing pond	Landscape mitigation planting (scrub / woodland)
	Grassed areas
	Sustainable placement

Community Area boundary
Watercourse diversion
Existing watercourse
Ditches - new
Hedgerow habitat creation
Main utility works
Existing public right of way (PROw)
New, diverted or realigned PROw
Stopped-up PROw
County boundary
Borough / District boundary
Tunnels external extent

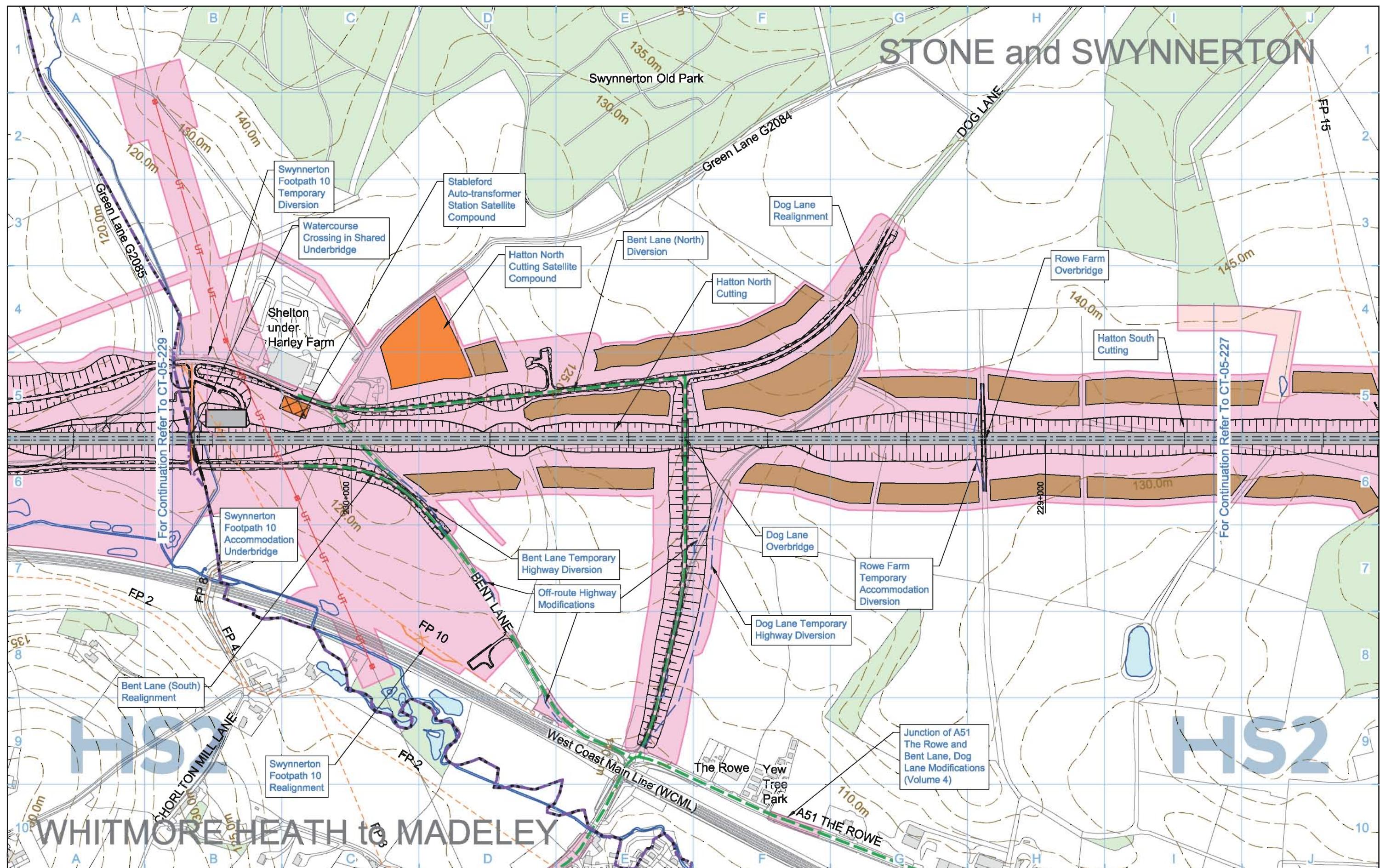
Existing woodland
Existing buildings
Existing inland water
Existing contours
HS2 access road
Noise fence barrier
Rail alignment
Chainage
(e.g. 10+000)

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STONE and SWYNNERTON



Legend	
Depot, station, headhouse or portal building	Borrow Pit
Tunnel portal	Storage / prefabrication / laydown areas
Main construction compound	Land potentially required during construction
Satellite construction compound	Extent of land potentially required during construction for mitigation planting
Railway systems compound	Temporary replacement community facility
Temporary material stockpile	
	Community Area boundary
	Tunnels external extent
	Construction traffic route
	Existing public right of way (PRoW)
	New, diverted or realigned PRoW
	Stopped-up PRoW
	Temporary PRoW diversion / realignment
	Landscape earthworks
	Engineering earthworks
	Temporary highway diversion / realignment
	Main utility works
	Rail alignment
	Chainage (e.g. 10+000)
	Existing woodland
	Existing buildings
	Existing inland water
	Existing contours
	Rail alignment formation
	Temporary workers accommodation

10+000
10+000
10+000
10+000
10+000

Map Number	CT-05-228a
Map Name	Construction Phase
Community Area	CA3 Stone and Swynnerton

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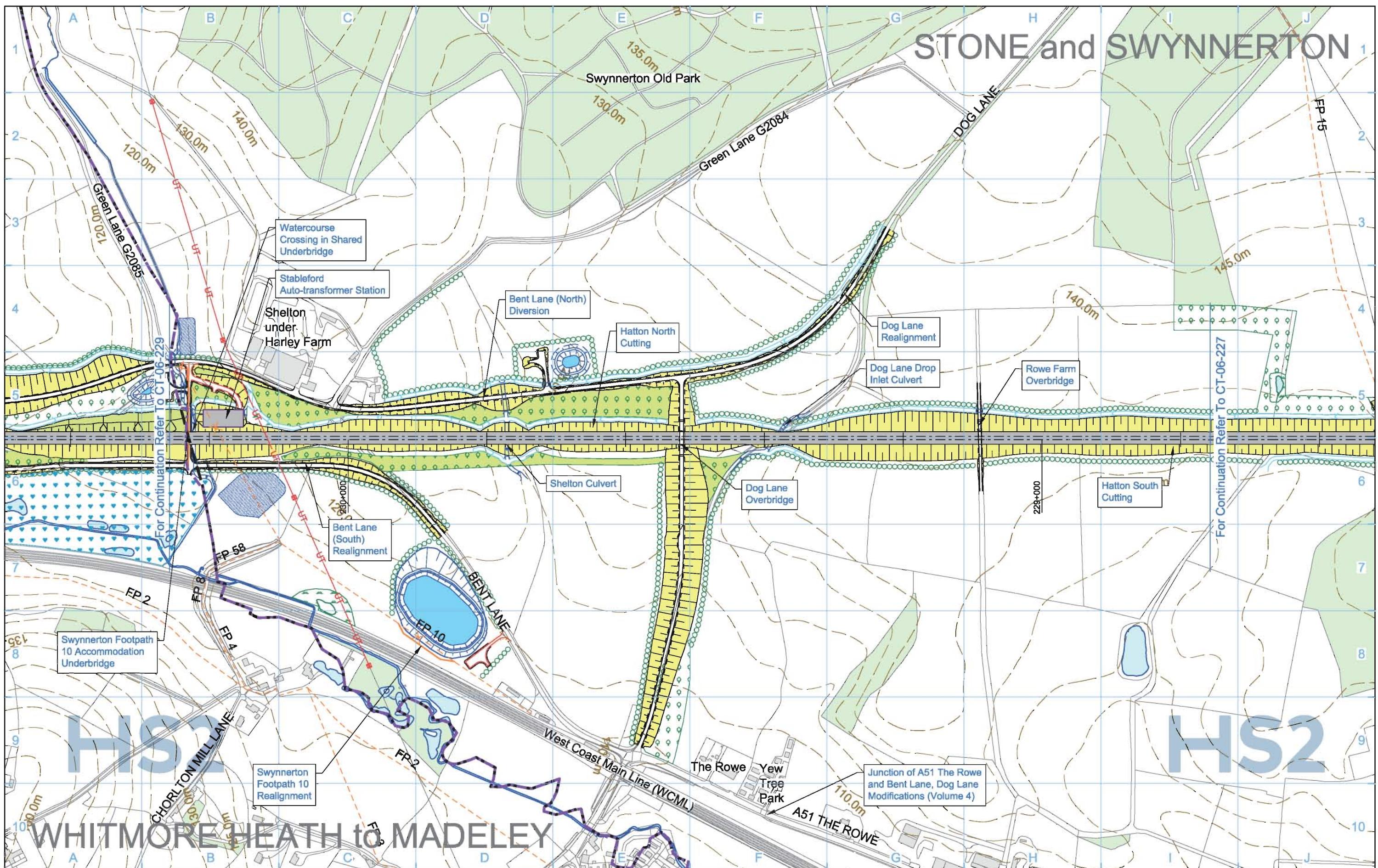
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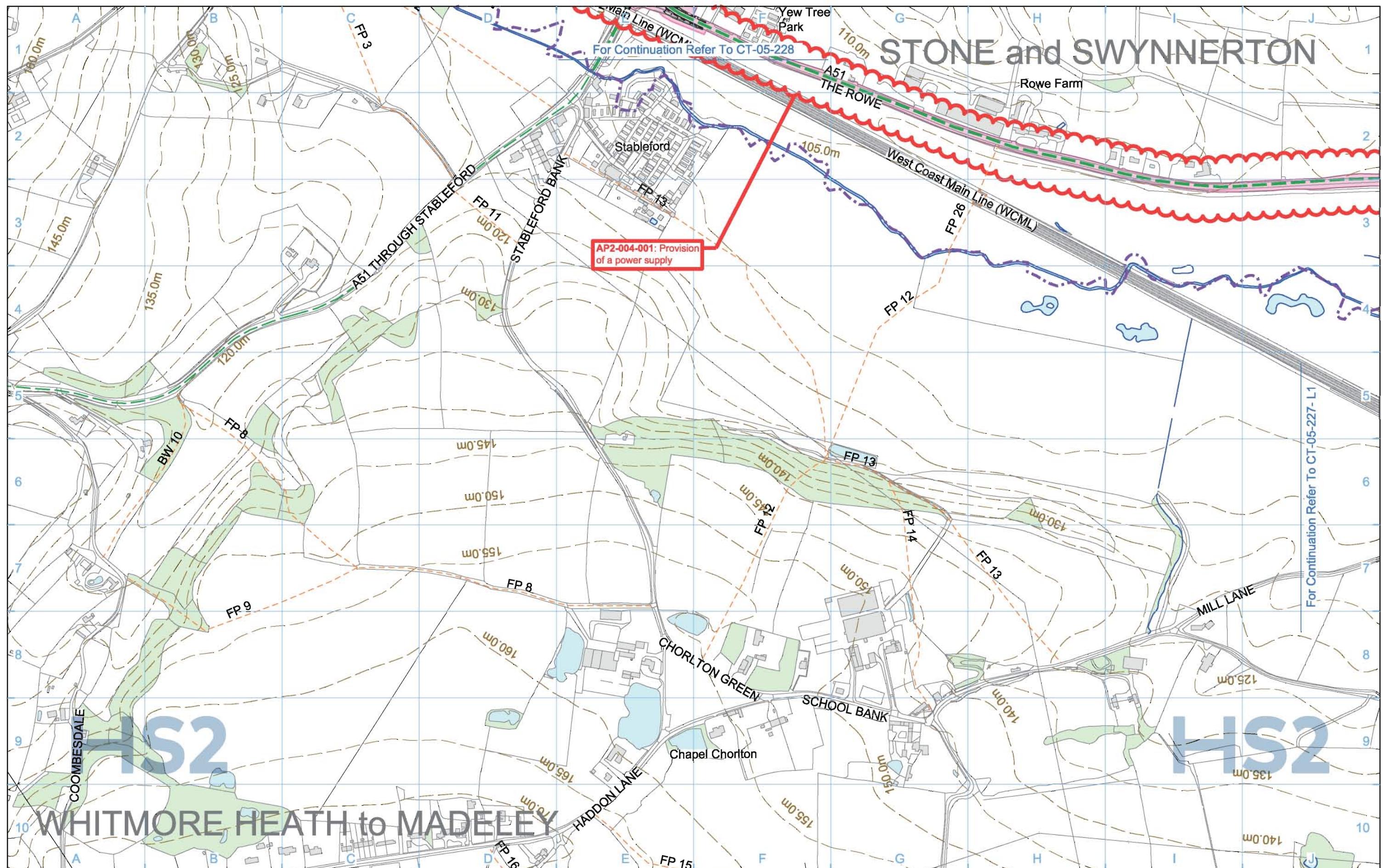


STONE and SWYNNERTON



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STONE and SWYNNERTON



Legend	
Depot, station, headhouse or portal building	Borrow Pit
Tunnel portal	Storage / prefabrication / laydown areas
Main construction compound	Land potentially required during construction
Satellite construction compound	Extent of land potentially required during construction for mitigation planting
Railway systems compound	Temporary replacement community facility
Temporary material stockpile	

Community Area boundary	Landscape earthworks	Existing woodland
Community Area boundary	Engineering earthworks	Existing buildings
Community Area boundary	Temporary highway diversion / realignment	Existing inland water
Community Area boundary	or	Existing watercourse
Community Area boundary	Main utility works	Existing contours
Community Area boundary	UT	Existing contours
Community Area boundary	Main utility works	Existing contours
Community Area boundary	Temporary highway diversion / realignment	Existing contours
Community Area boundary	Rail alignment	Rail alignment formation
Community Area boundary	Chainage	Rail alignment formation
Community Area boundary	(e.g. 10+000)	Rail alignment formation

10+000	130.0m	130.0m
110.0m	110.0m	110.0m
105.0m	105.0m	105.0m
100.0m	100.0m	100.0m
95.0m	95.0m	95.0m
90.0m	90.0m	90.0m
85.0m	85.0m	85.0m
80.0m	80.0m	80.0m
75.0m	75.0m	75.0m
70.0m	70.0m	70.0m
65.0m	65.0m	65.0m
60.0m	60.0m	60.0m
55.0m	55.0m	55.0m
50.0m	50.0m	50.0m
45.0m	45.0m	45.0m
40.0m	40.0m	40.0m
35.0m	35.0m	35.0m
30.0m	30.0m	30.0m
25.0m	25.0m	25.0m
20.0m	20.0m	20.0m
15.0m	15.0m	15.0m
10.0m	10.0m	10.0m
5.0m	5.0m	5.0m
0.0m	0.0m	0.0m

Map Number	CT-05-228-L1
Map Name	Construction Phase SES2 and AP2 ES
Community Area	CA3 Stone and Swynnerton



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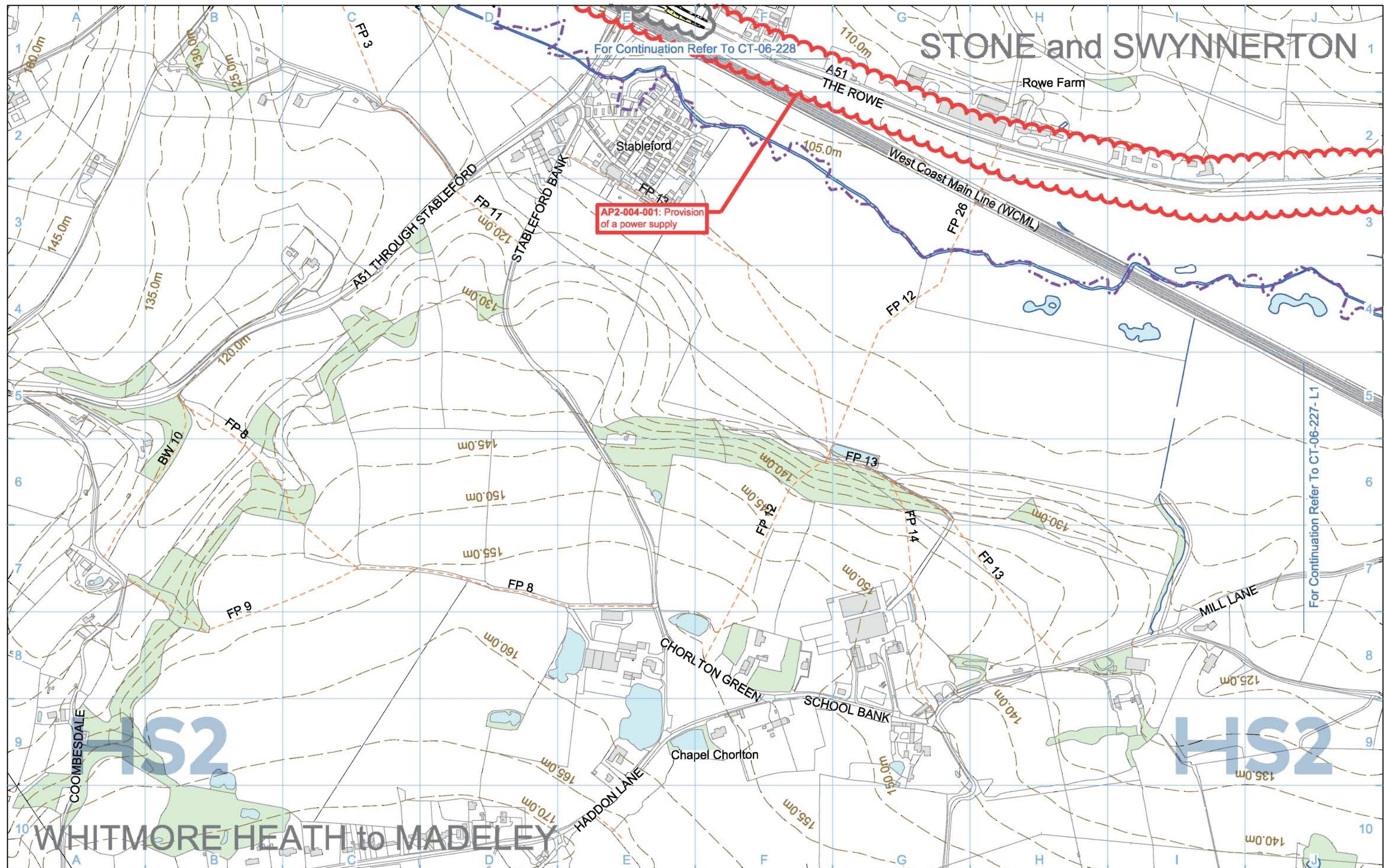
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STONE and SWYNNERTON



Depot, station, headhouse or portal building	Replacement floodplain storage
Tunnel portal	Woodland habitat creation
Electricity substation	Engineering earthworks
Land drainage area	Wetland habitat creation
Ecological mitigation pond	Grassland habitat creation
Balancing pond	Landscape mitigation planting (scrub / woodland)
	Grassed areas
	Local placement of surplus excavated material

Community Area boundary	Public realm/Replacement community facility
Watercourse diversion or	Existing watercourse
Engineering earthworks	Ditches - new
Wetland habitat creation	Hedgerow habitat creation
Grassland habitat creation	Rail alignment formation
Landscape mitigation planting (scrub / woodland)	Returned to suitable development use
Grassed areas	County boundary
Local placement of surplus excavated material	Borough / District boundary

Existing woodland
Existing buildings
Existing inland water
Existing contours
HS2 access road
Noise fence barrier
Main utility works
Existing public right of way (PROw)
New, diverted or realigned PROw
Stopped-up PROw
Rail alignment
Chainage
(e.g. 10+000)

Map Number	CT-06-228-L1
Map Name	Proposed Scheme SES2 and AP2 ES
Community Area	CA3 Stone and Swynnerton



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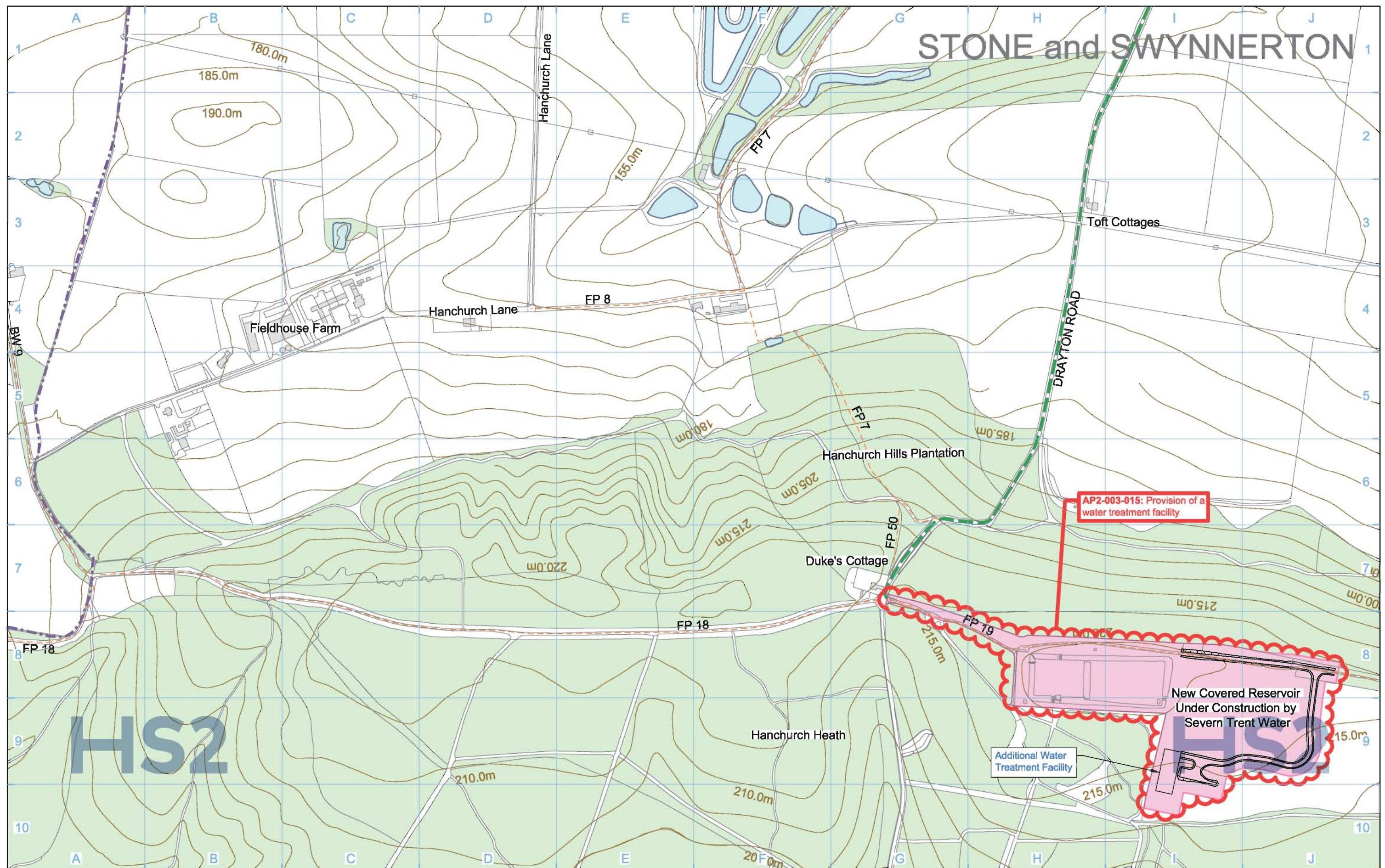


Scale at A3: 1:5,000

0 50 100 150 200 250 Metres

No corresponding page in the main ES

STONE and SWYNNERTON



Legend

- Borrow Pit
- Tunnel portal
- Main construction compound
- Satellite construction compound
- Railway systems compound
- Temporary material stockpile
- Community Area boundary
- Storage / prefabrication / laydown areas
- Land potentially required during construction
- Extent of land potentially required during construction for mitigation planting
- Temporary replacement community facility
- Tunnels external extent
- Existing public right of way (PRoW)
- New, diverted or realigned PRoW
- Stopped-up PRoW
- Temporary PRoW diversion / realignment
- Landscape earthworks
- Engineering earthworks
- Temporary highway
- Main utility works
- UT
- Temporary highway diversion / realignment
- Rail alignment
- Chainage (e.g. 10+000)
- Existing woodland
- Existing buildings
- Existing inland water
- Existing watercourse
- Existing contours
- Existing contours
- Rail alignment formation
- Temporary workers accommodation

Community Area boundary

Storage / prefabrication / laydown areas

Land potentially required during construction

Extent of land potentially required during construction for mitigation planting

Temporary replacement community facility

Tunnels external extent

Existing public right of way (PRoW)

New, diverted or realigned PRoW

Stopped-up PRoW

Temporary PRoW diversion / realignment

Landscape earthworks

Engineering earthworks

Temporary highway

Main utility works

UT

Temporary highway diversion / realignment

Rail alignment

Chainage (e.g. 10+000)

Existing woodland

Existing buildings

Existing inland water

Existing watercourse

Existing contours

Existing contours

Rail alignment formation

Temporary workers accommodation

Community Area boundary

Storage / prefabrication / laydown areas

Land potentially required during construction

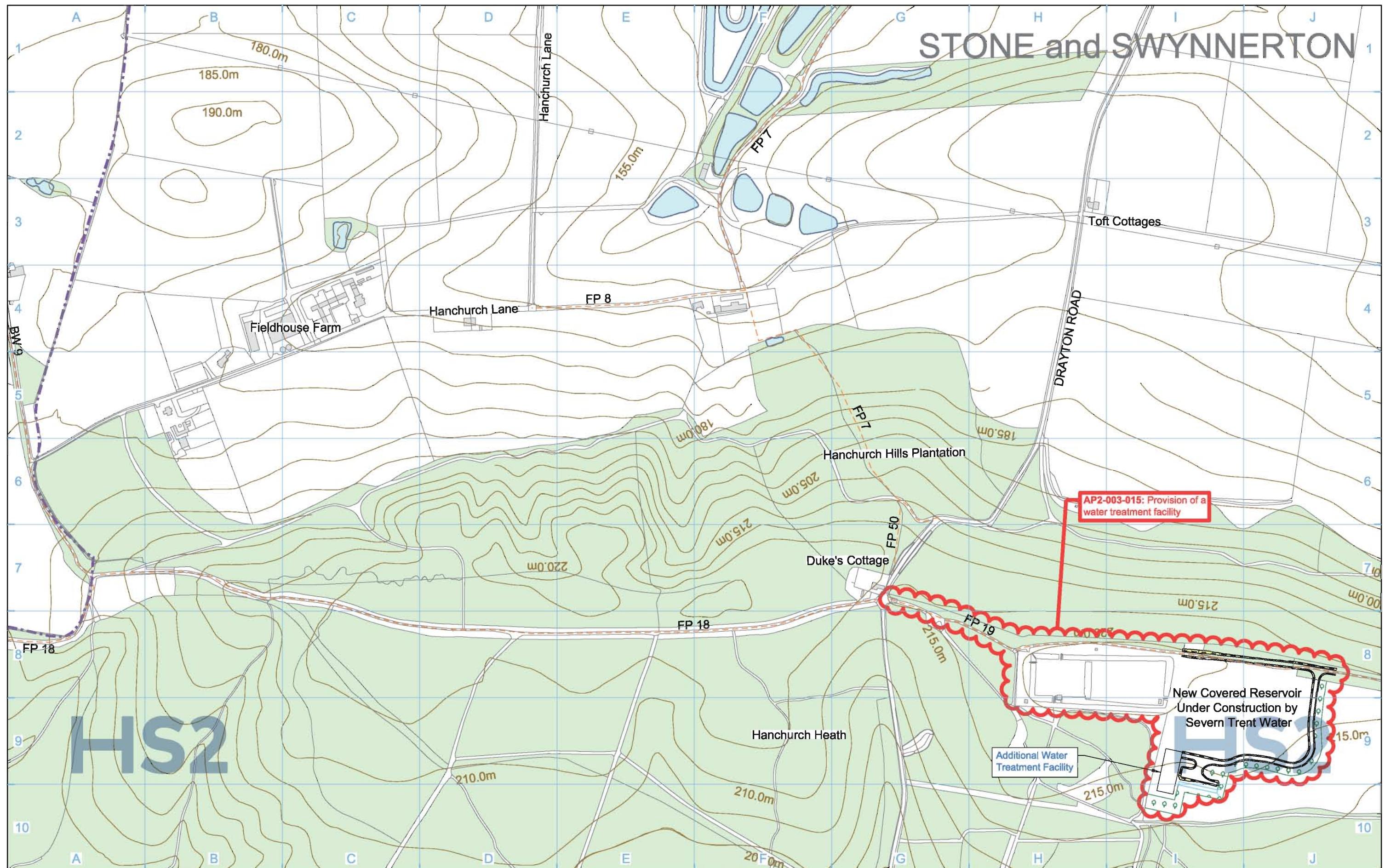
Extent of land potentially required during construction for mitigation planting

Temporary replacement community facility

Tunnels external extent

Existing public right of way (PRoW)</

No corresponding page in the main ES



Legend

Depot, station, headhouse or portal building	Replacement floodplain storage	Public realm/Replacement community facility
Tunnel portal	Woodland habitat creation	Engineering earthworks
Electricity substation	Wetland habitat creation	Landscape earthworks
Land drainage area	Grassland habitat creation	Rail alignment formation
Ecological mitigation pond	Landscape mitigation planting (scrub / woodland)	Returned to suitable development use
Balancing pond	Grassed areas	County boundary
	Local placement of surplus excavated material	Borough / District boundary –

The legend includes the following entries:

- Community Area boundary
- Watercourse diversion
- Existing watercourse
- Ditches - new
- Hedgerow habitat creation
- Main utility works
- Existing public right of way (PRoW)
- New, diverted or realigned PRoW
- Stopped-up PRoW
- Tunnels external extent
- Existing woodland
- Existing building
- Existing inland water
- Existing contour
- HS2 access road
- Noise fence barrier
- Rail alignment
- Chainage (e.g. 10+000)

Map Number	CT-06-228-R2
Map Name	Proposed Scheme SES2 and AP2 ES
Community Area	CA3 Stone and Swynnerton

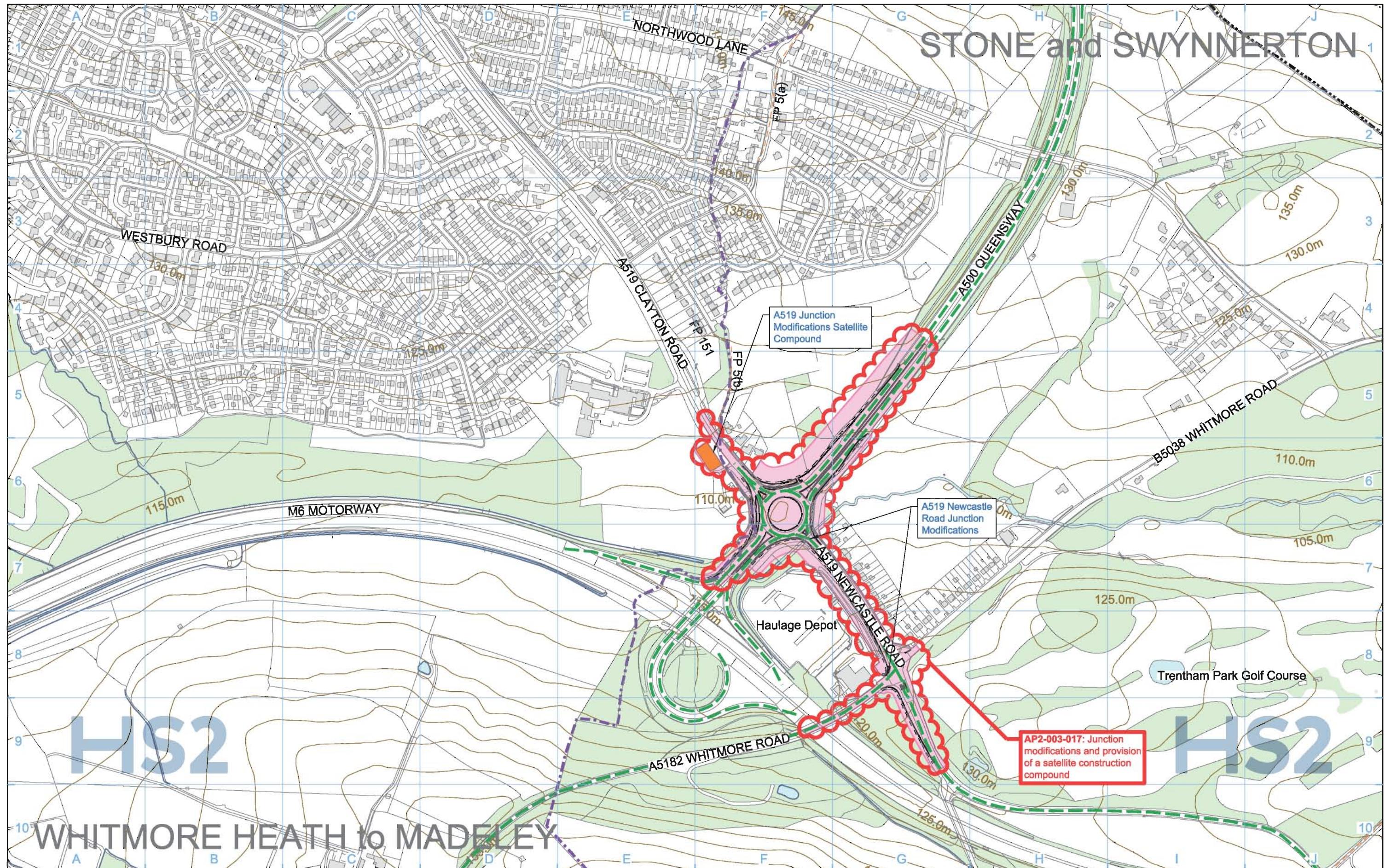


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Scale at A3: 1:5 000

Scenes at 100, 150, 200
0 50 100 150 200 250
Metres
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No corresponding page in the main ES



WHITMORE HEATH to MADELEY

Legend

- Depot, station, headhouse or portal building
 - Tunnel portal
 - Main construction compound
 - Satellite construction compound
 - Railway systems compound
 - Temporary material stockpile

- Borrow Pit
 - Storage / prefabrication / laydown areas
 - Land potentially required during construction
 - Extent of land potentially required during construction for mitigation planting
 - Temporary replacement community facility

- Community Area boundary
 - Tunnels external extent
 - Construction traffic route
 - Existing public right of way (PRoW)
 - New, diverted or realigned
 - Stopped-up PRoW
 - Temporary PRoW
 - diversion / realignment

-  Landscape earthworks
 -  Engineering earthworks
 -  Temporary highway diversion / realignment
 -  Main utility works
 -  Rail alignment
 - RoW Chainage
(e.g. 10+000)

-  Existing woodland
 -  Existing buildings
 -  Existing inland water
 -  or  Existing watercourse
 -  Existing contours
 -  Rail alignment formation
 -  Temporary workers accommodation

Map Number

CT-05-228a-R4

Construction Phase
SES2 and AP2 ES

CA3 Stone and Swamper

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Scale at A3: 1:5 000

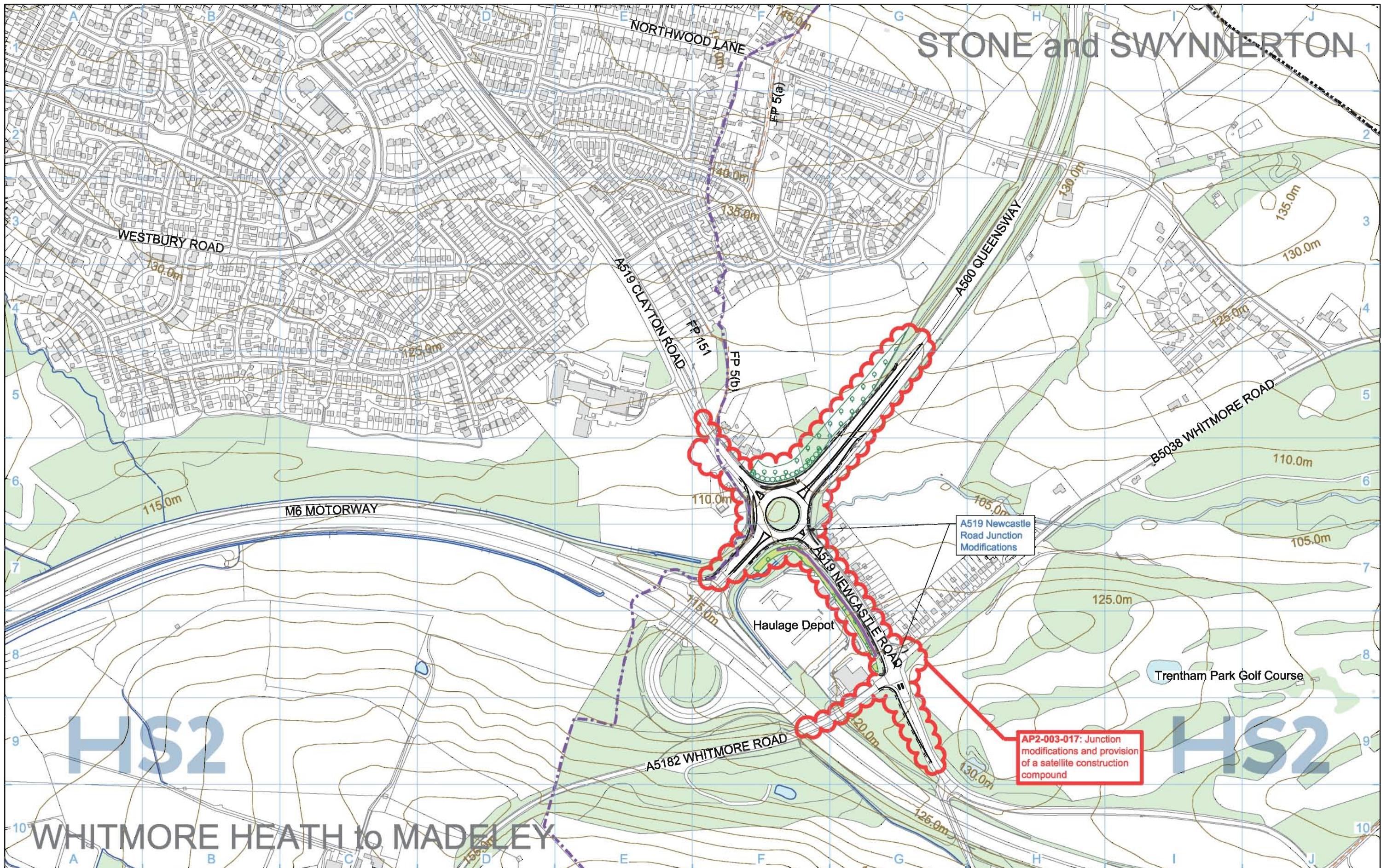
Scales at 1:10, 1:5,000

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P02 Date: 11/01/12

No corresponding page in the main ES

STONE and SWYNNERTON



WHITMORE HEATH to MADELEY

Depot, station, headhouse or portal building	Replacement floodplain storage
Tunnel portal	Woodland habitat creation
Electricity substation	Engineering earthworks
Land drainage area	Wetland habitat creation
Ecological mitigation pond	Landscape earthworks
Balancing pond	Grassland habitat creation
	Landscape mitigation planting (scrub / woodland)
	Grassed areas
	Local placement of surplus excavated material

Community Area boundary	Existing woodland
Watercourse diversion	Existing buildings
or	Existing inland water
Existing watercourse	Existing contours
Ditches - new	HS2 access road
Hedgerow habitat creation	Noise fence barrier
Rail alignment formation	Main utility works
Returned to suitable development use	Existing public right of way (PROw)
County boundary	New, diverted or realigned PROw
Borough / District boundary	Stopped-up PROw
	Tunnels external extent

10+000	Rail alignment
	Chainage (e.g. 10+000)

Map Number	Map Name
CT-06-228a-R4	Proposed Scheme
	SES2 and AP2 ES

Community Area
CA3 Stone and Swynnerton

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0 50 100 150 200 250 Metres

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P03 Date: 11/01/19

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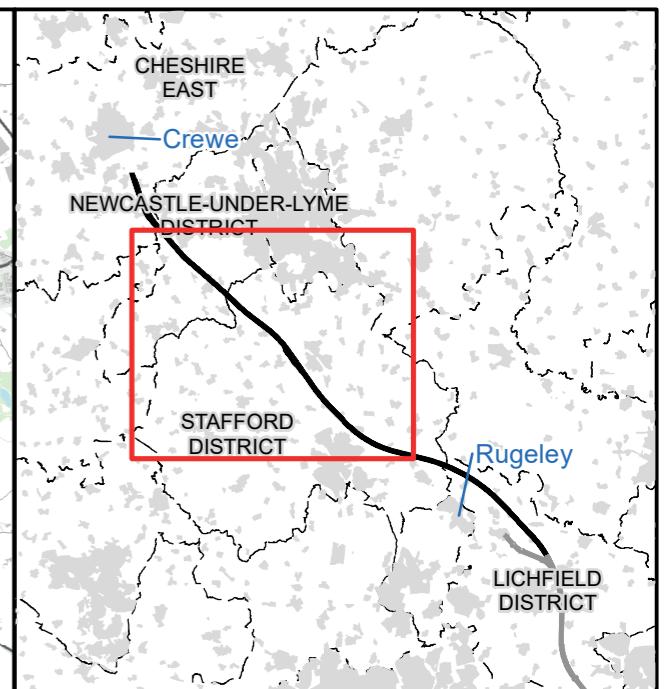
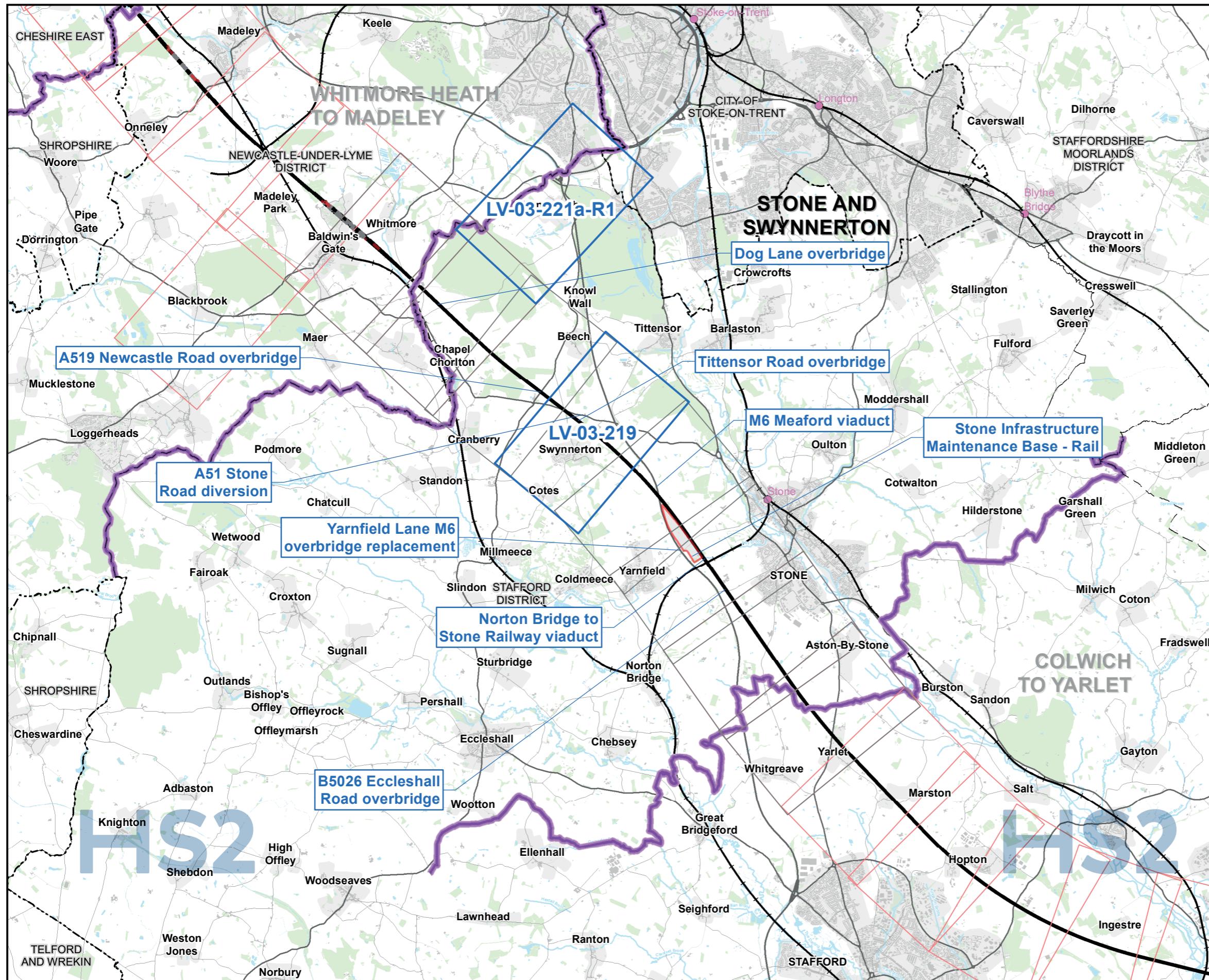
High Speed Rail (West Midlands - Crewe)

Supplementary Environmental Statement 2 and

Additional Provision 2 Environmental Statement

LV-03 - Construction Phase Significantly Affected Viewpoints

LV-04 - Operational Phase Significantly Affected Viewpoints



Map Series Information:

Maps showing the viewpoint locations from which the AP2 revised scheme has been assessed to give rise to new or different significant effects during the construction phase. (All significant and non-significant photomontage locations are shown)

Note: Not all data layers in the legend are represented on every map.

Map Number	LV-03-INDEX-CA3
Map Name	Index Map of: Construction Phase Significantly Affected Viewpoints SES2 and AP2 ES
	Community Area 3: Stone and Swynnerton



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Main Map Legend

- Route on surface**

Route in tunnel

Depot, station, headhouse or portal building

Community area boundary

Existing railway station

County boundary

District/Borough boundary

Map sheets included in this community area with amendment

Map sheets included in this community area with no amendment

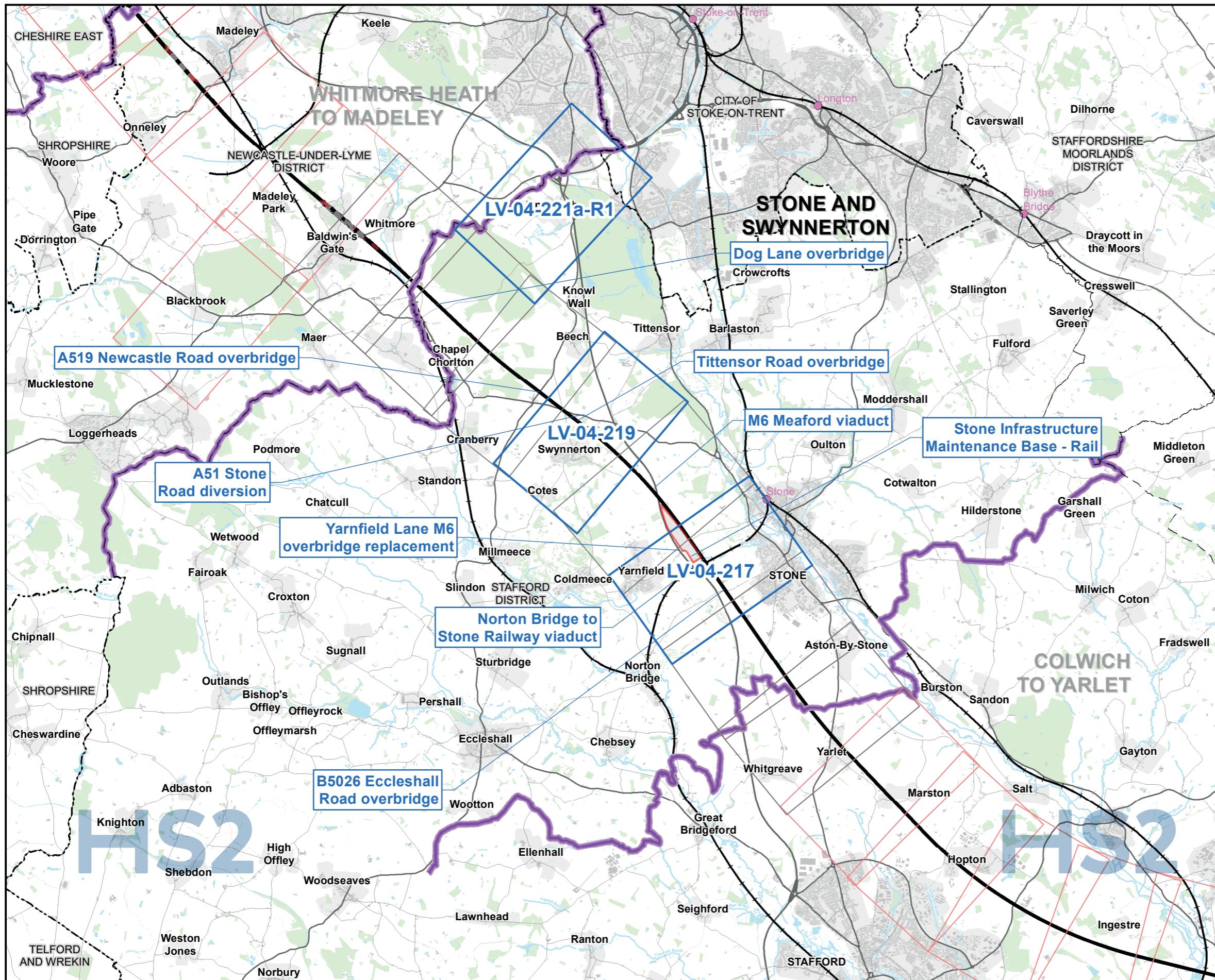
Map sheets not included in this community area

- Map sheets included in this community area with amendment
- Map sheets included in this community area with no amendment
- Map sheets not included in this community area

Scale at A3: 1:90,000

Metres

Date: 10/01/19



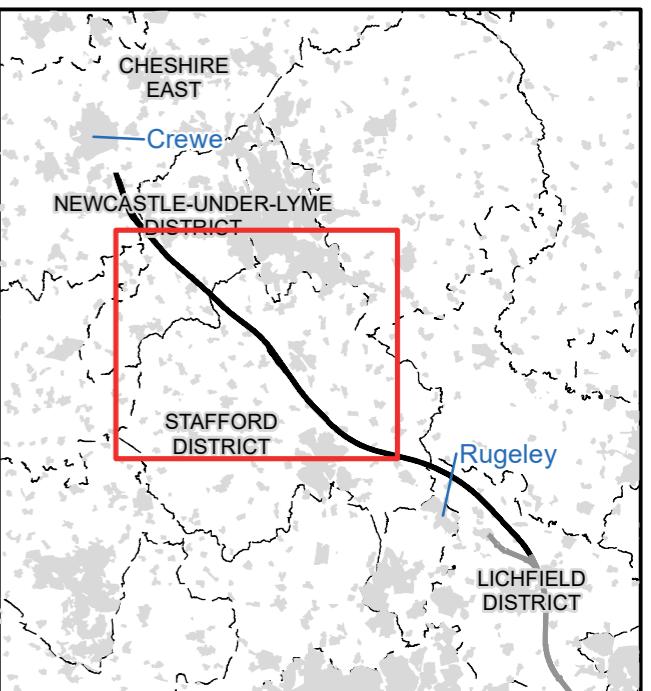
Main Map Legend

- Route on surface
- Route in tunnel
- Depot, station, headhouse or portal building
- Community area boundary
- Existing railway station
- - - County boundary
- District/Borough boundary
- Map sheets included in this community area with amendment
- Map sheets included in this community area with no amendment
- Map sheets not included in this community area

Map Number LV-04-INDEX-CA3

Map Name Index Map of:
Operational Phase Significantly Affected Viewpoints
SES2 and AP2 ES

Community Area 3:
Stone and Swynnerton



Map Series Information:

Maps showing the viewpoint locations from which the AP2 revised scheme has been assessed to give rise to new or different significant effects during the operational phase. (All significant and non-significant photomontage locations are shown).

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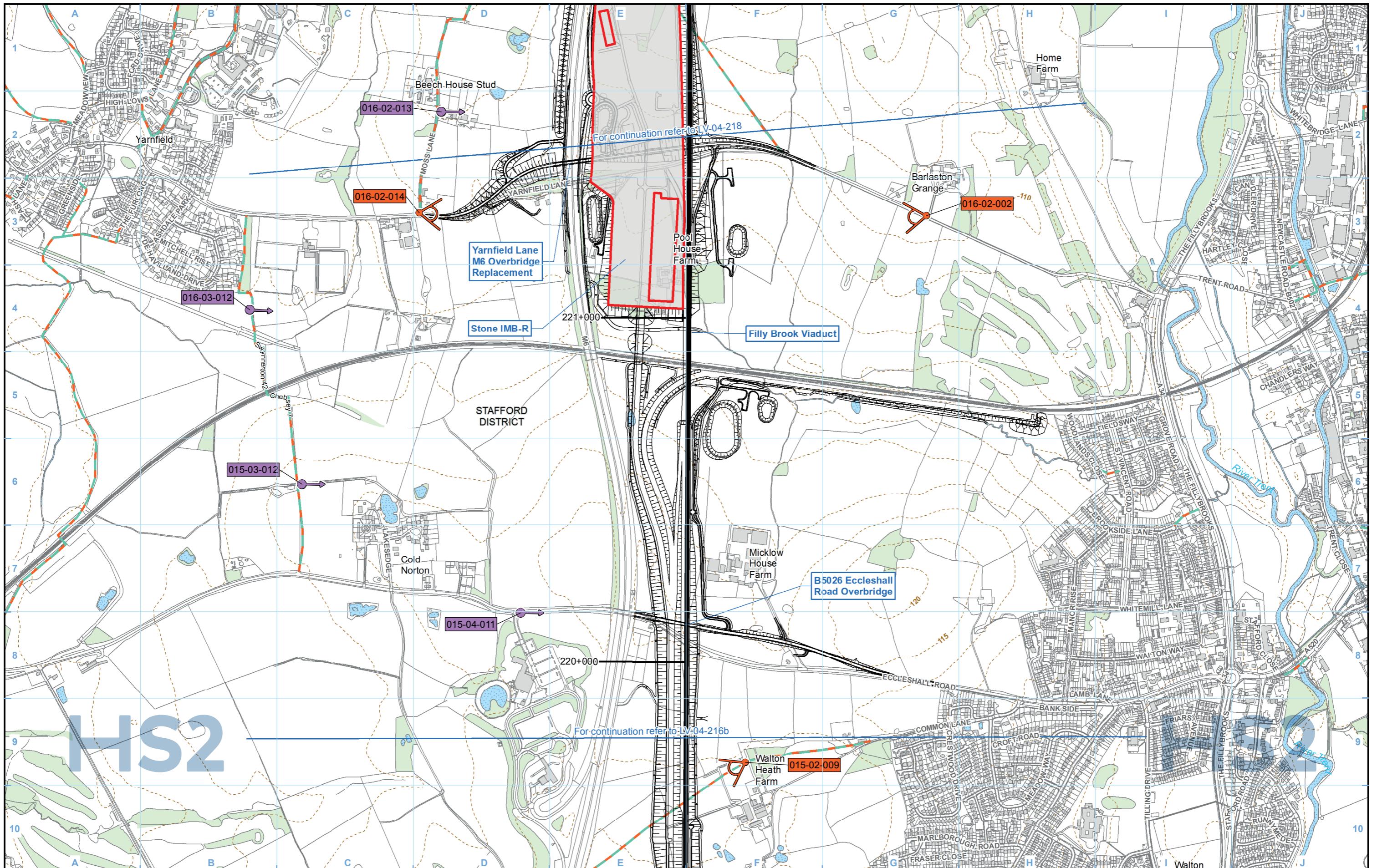
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Date: 11/01/19



Legend

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Community area boundary
- County boundary
- District/Borough boundary
- Public Rights of Way (PRoW)
- 5m contours
- Water body
- Existing woodland and tree belts
- Proposed tree planting
- Cannock Chase Area of Outstanding Natural Beauty (AONB)

Significantly affected viewpoint
 Photomontage location
001-1-001 Significantly affected viewpoint number
001-1-001 Photomontage viewpoint number

Engineering earthworks:

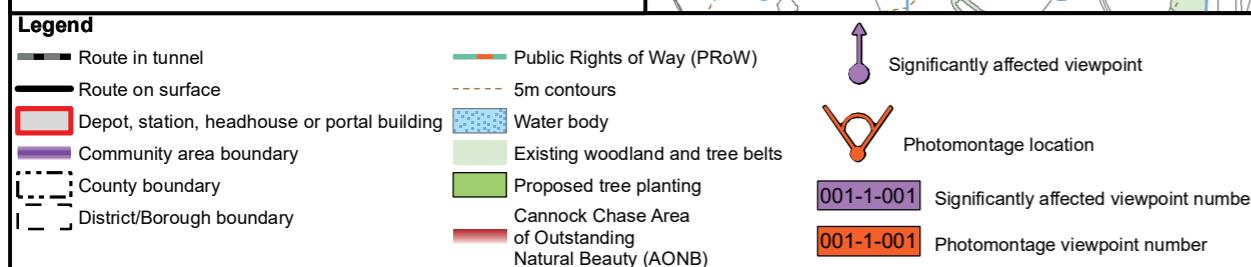
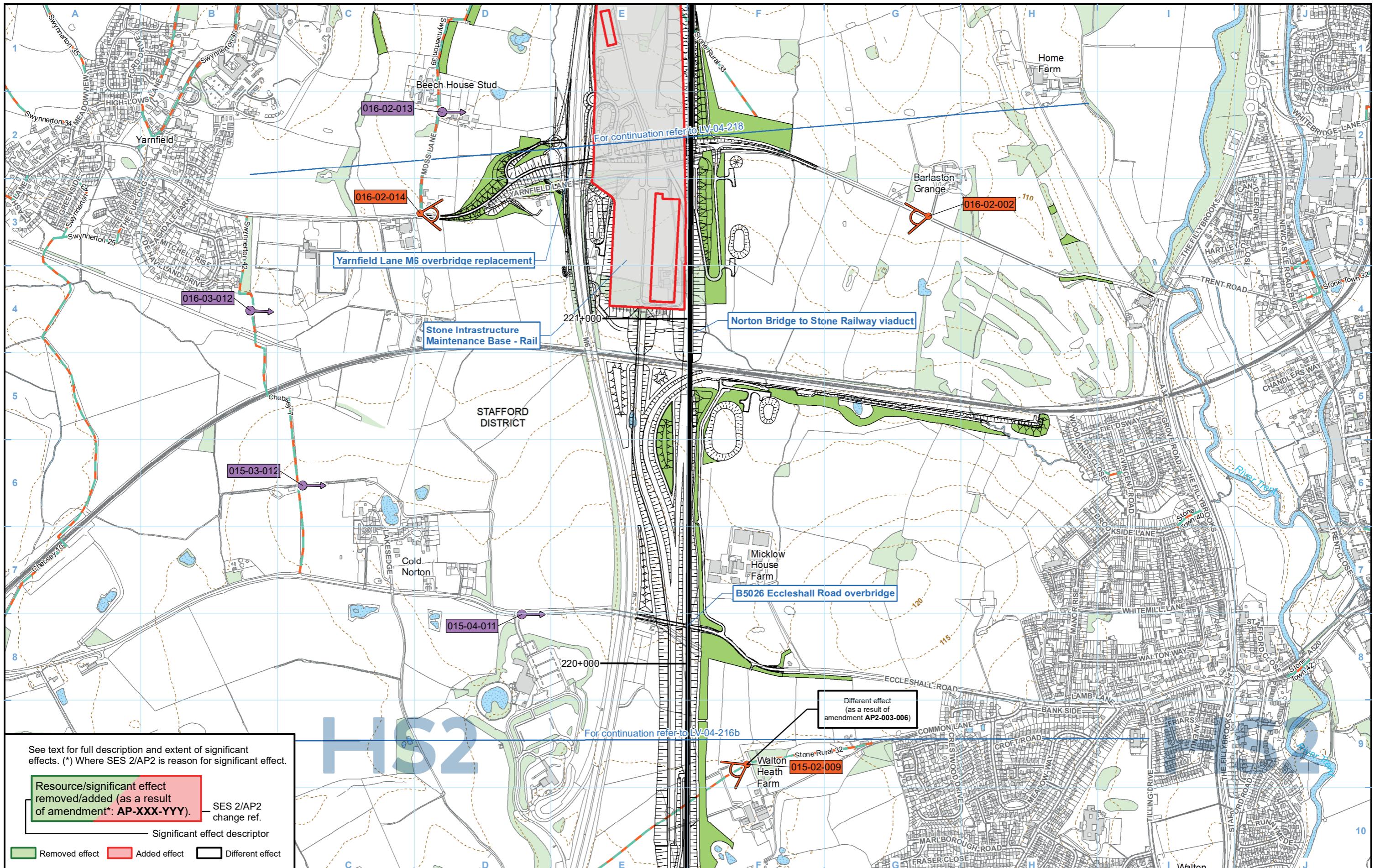
- Embankment
- Cutting

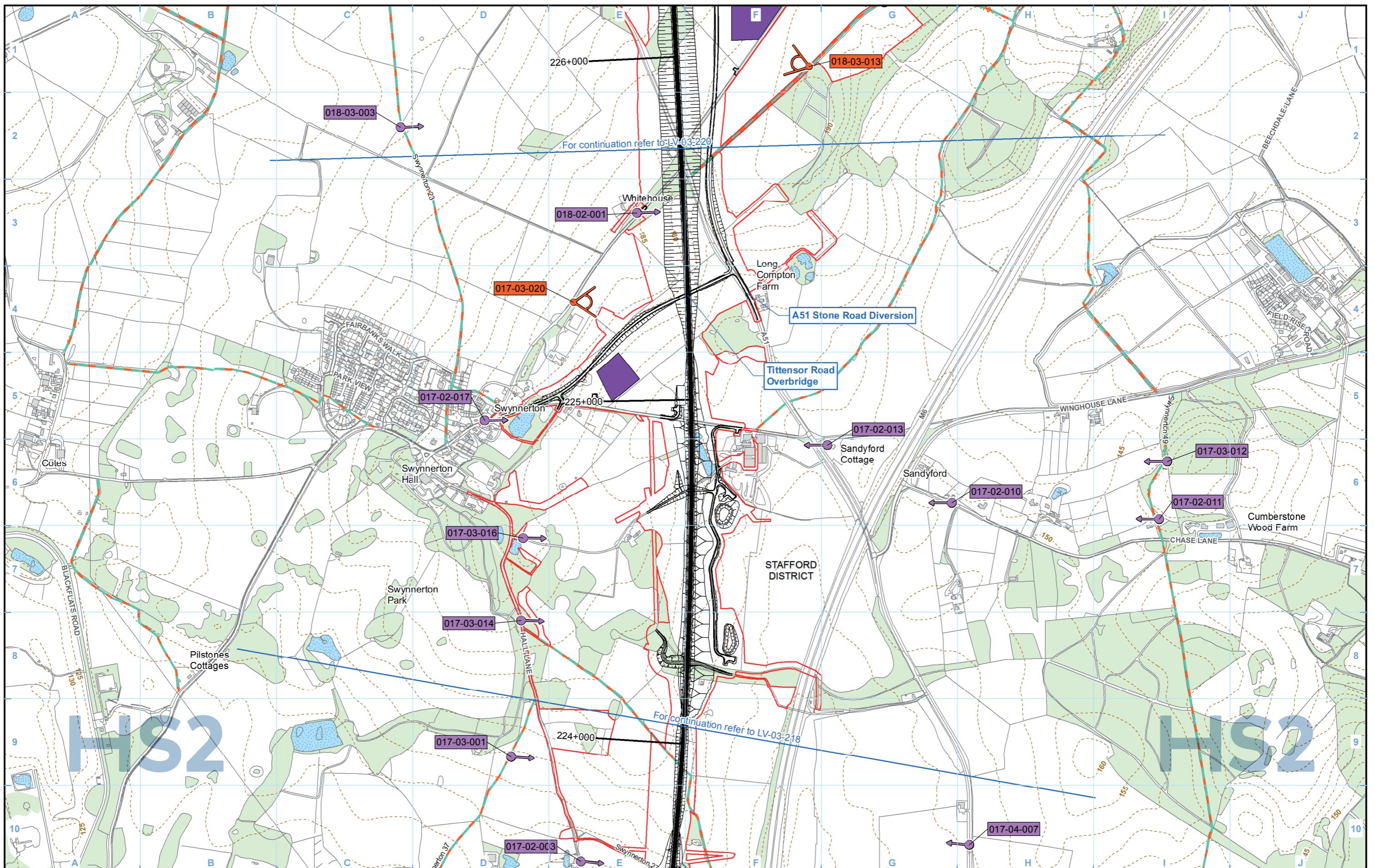
Non engineering earthworks:

- Embankment
- Cutting

Map Number LV-04-217
Map Name Operational Phase Significantly Affected Viewpoints
Community Area 3: Stone and Swynnerton

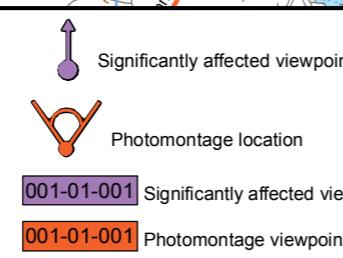
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 Date: 07/06/17




Legend

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Land potentially required during construction
- Community area boundary
- County boundary
- District/Borough boundary

- Public Rights of Way (PROW)
- 5m contours
- Water body
- Existing woodland and tree belts
- Construction compounds
- Cannock Chase
- Area of Outstanding Natural Beauty (AONB)



- Engineering earthworks:
 Embankment
 Cutting
Non engineering earthworks:
 Embankment
 Cutting

Map Number LV-03-219

Map Name
Construction Phase Significantly Affected Viewpoints

Community Area 3:
Stone and Swynnerton



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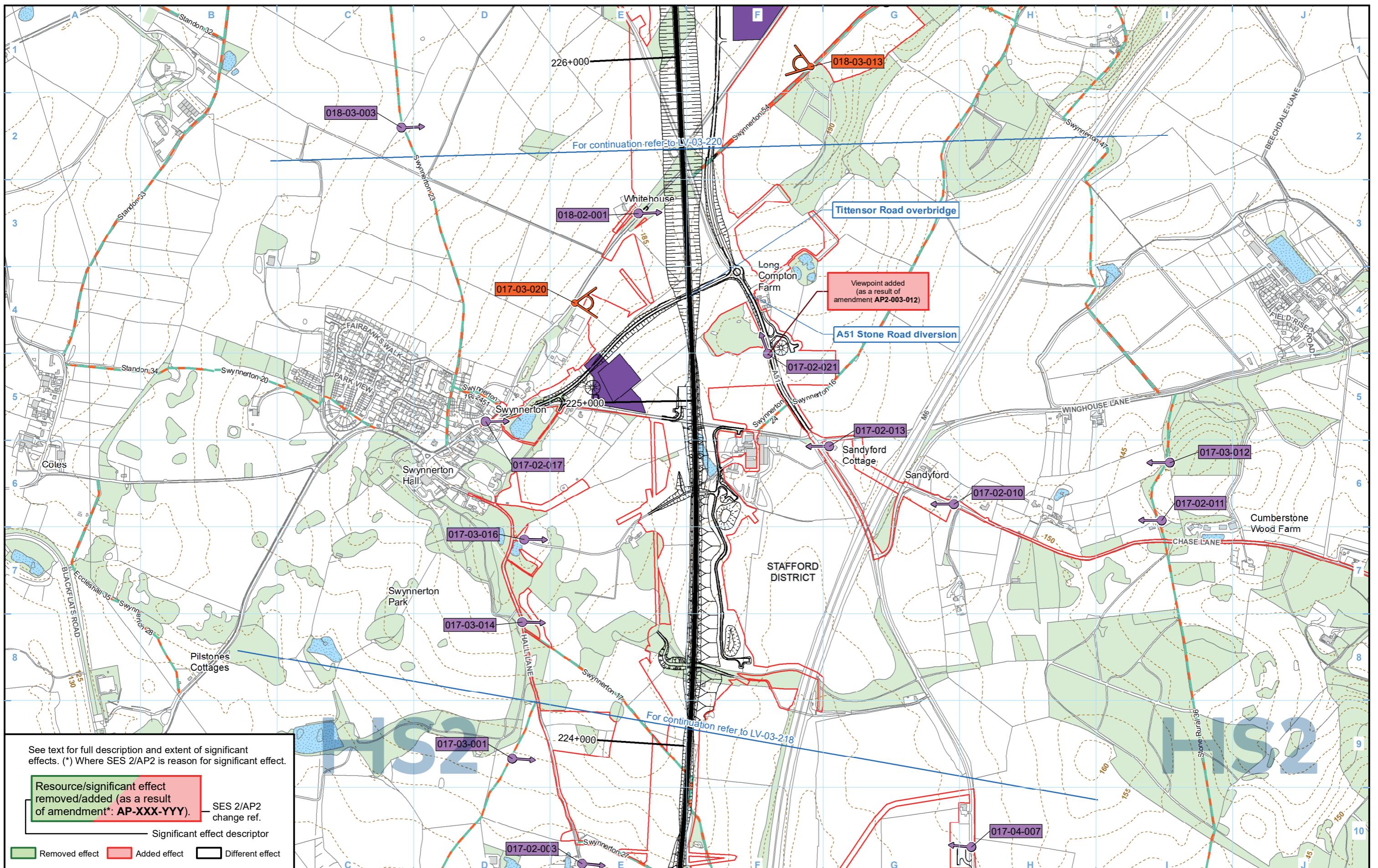
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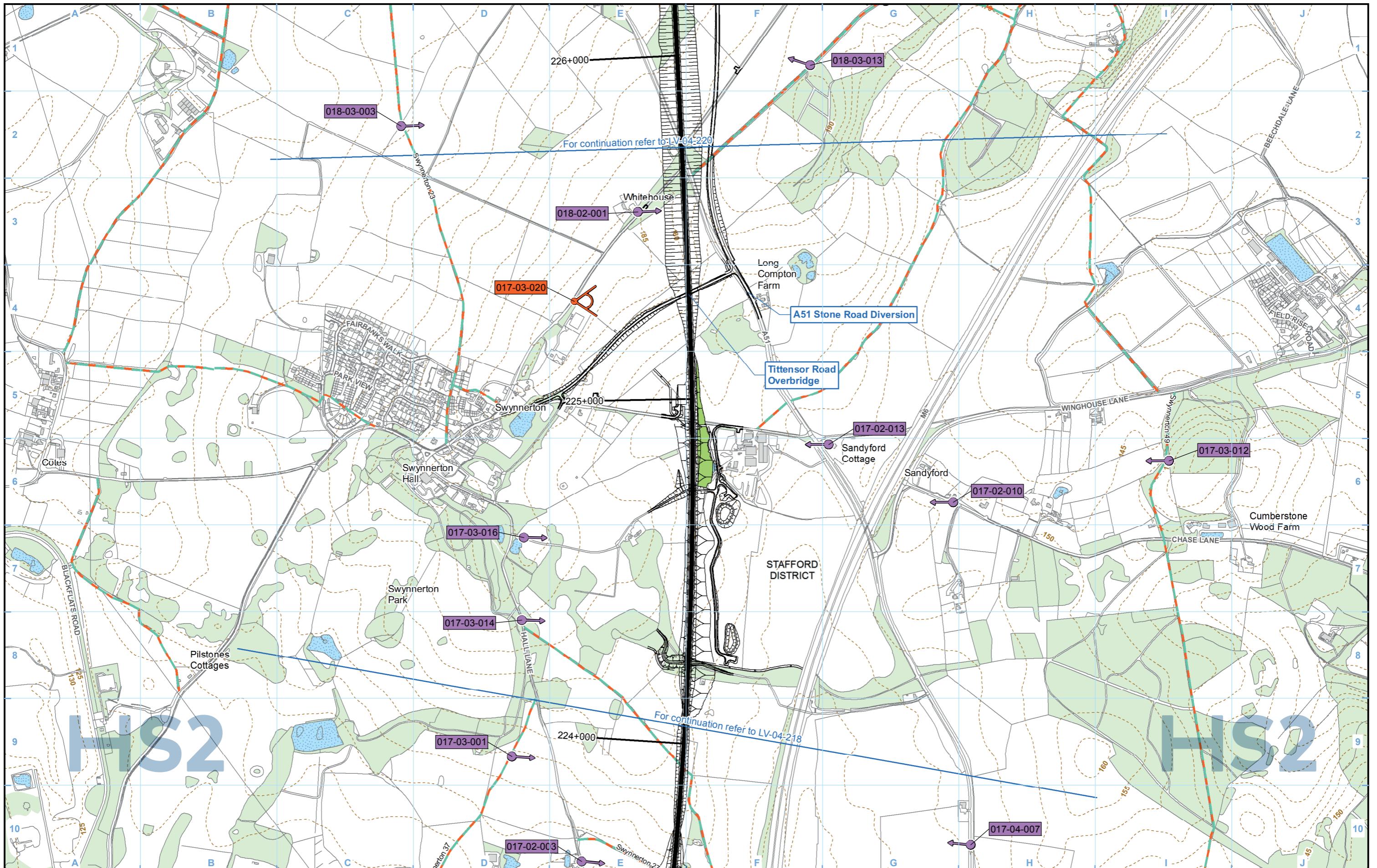
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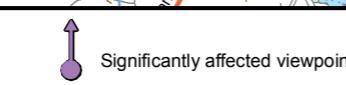
Date: 06/06/17



Map Number	Map Name	HS2
LV-03-219	Construction Phase Significantly Affected Viewpoints SES2 and AP2 ES	HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.
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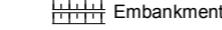
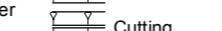
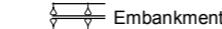

Legend

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- County boundary
- District/Borough boundary
- Public Rights of Way (PRoW)
- 5m contours
- Water body
- Existing woodland and tree belts
- Proposed tree planting
- Cannock Chase Area of Outstanding Natural Beauty (AONB)



Photomontage location

001-1-001 Significantly affected viewpoint number
001-1-001 Photomontage viewpoint number

Engineering earthworks:

Non engineering earthworks:

Map Number
LV-04-219
Map Name
Operational Phase Significantly Affected Viewpoints

 Community Area 3:
Stone and Swynnerton


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Date: 07/06/17



Map Number **LV-04-219**

Map Name **Operational Phase Significantly Affected Viewpoints SES2 and AP2 ES**

Community Area 3: Stone and Swynnerton

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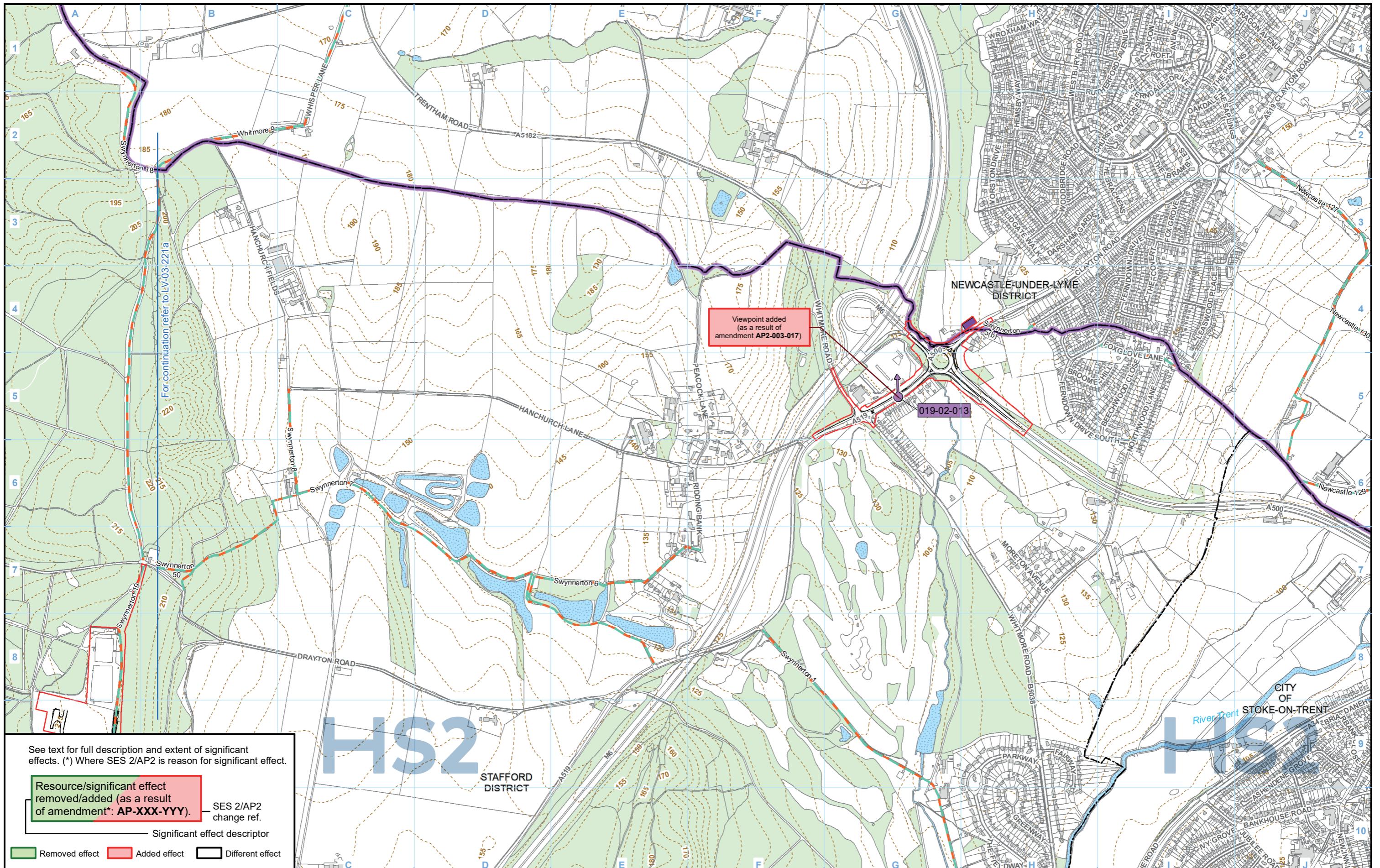
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Date: 11/01/19

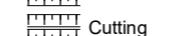
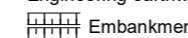
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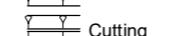
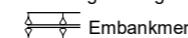


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Engineering earthworks:



Non engineering earthworks:



↑ Significantly affected viewpoint

Photomontage location

001-01-001 Significantly affected viewpoint number

001-01-001 Photomontage viewpoint number

Map Number LV-03-221a-R1

Map Name Construction Phase Significantly Affected Viewpoints SES2 and AP2 ES

Community Area 3: Stone and Swynnerton

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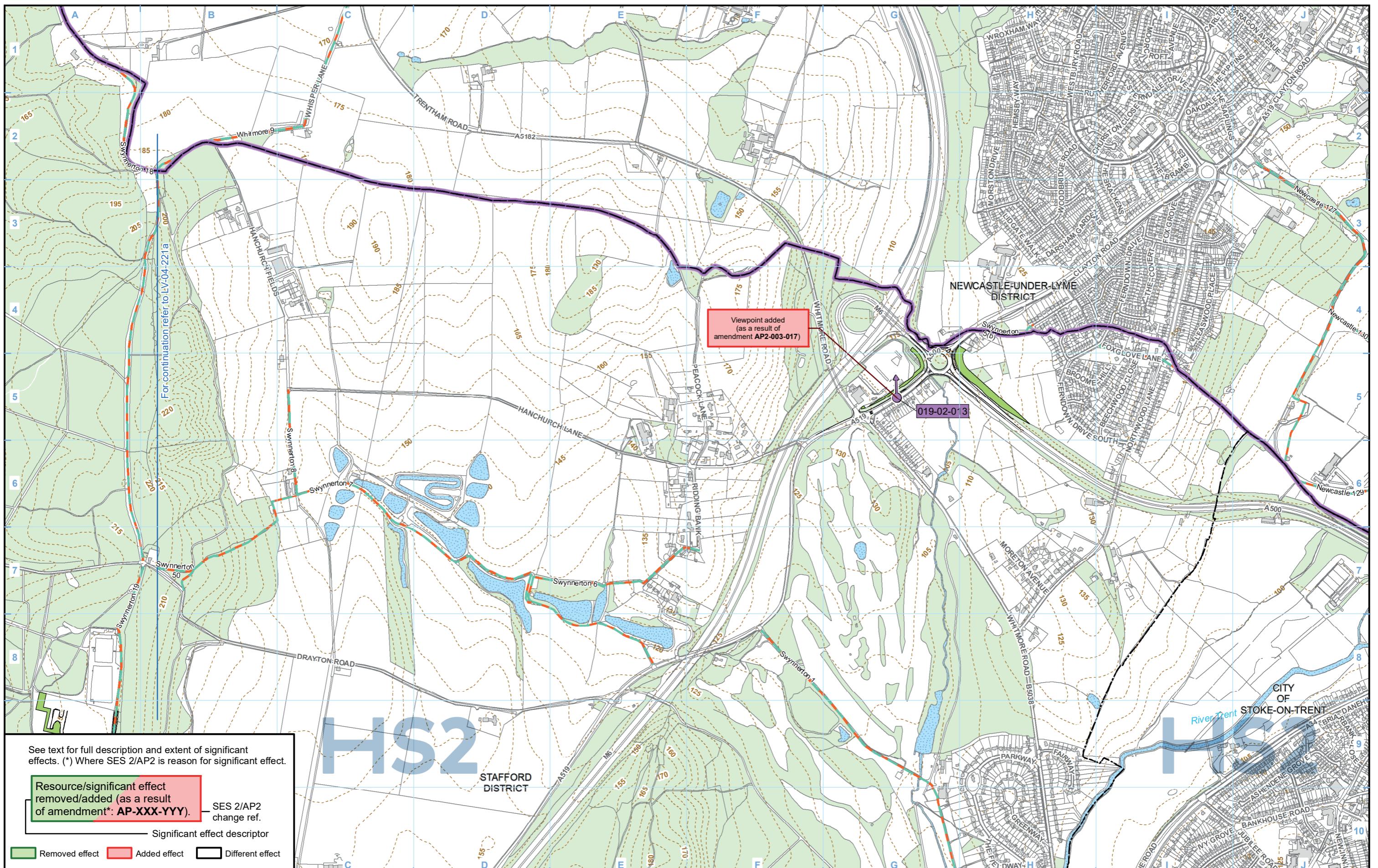
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Map Number LV-04-221a-R1

Map Name
Operational Phase Significantly Affected Viewpoints SES2 and AP2 ES

Community Area 3:
 Stone and Swynnerton

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Date: 11/01/19

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High Speed Rail (West Midlands - Crewe)

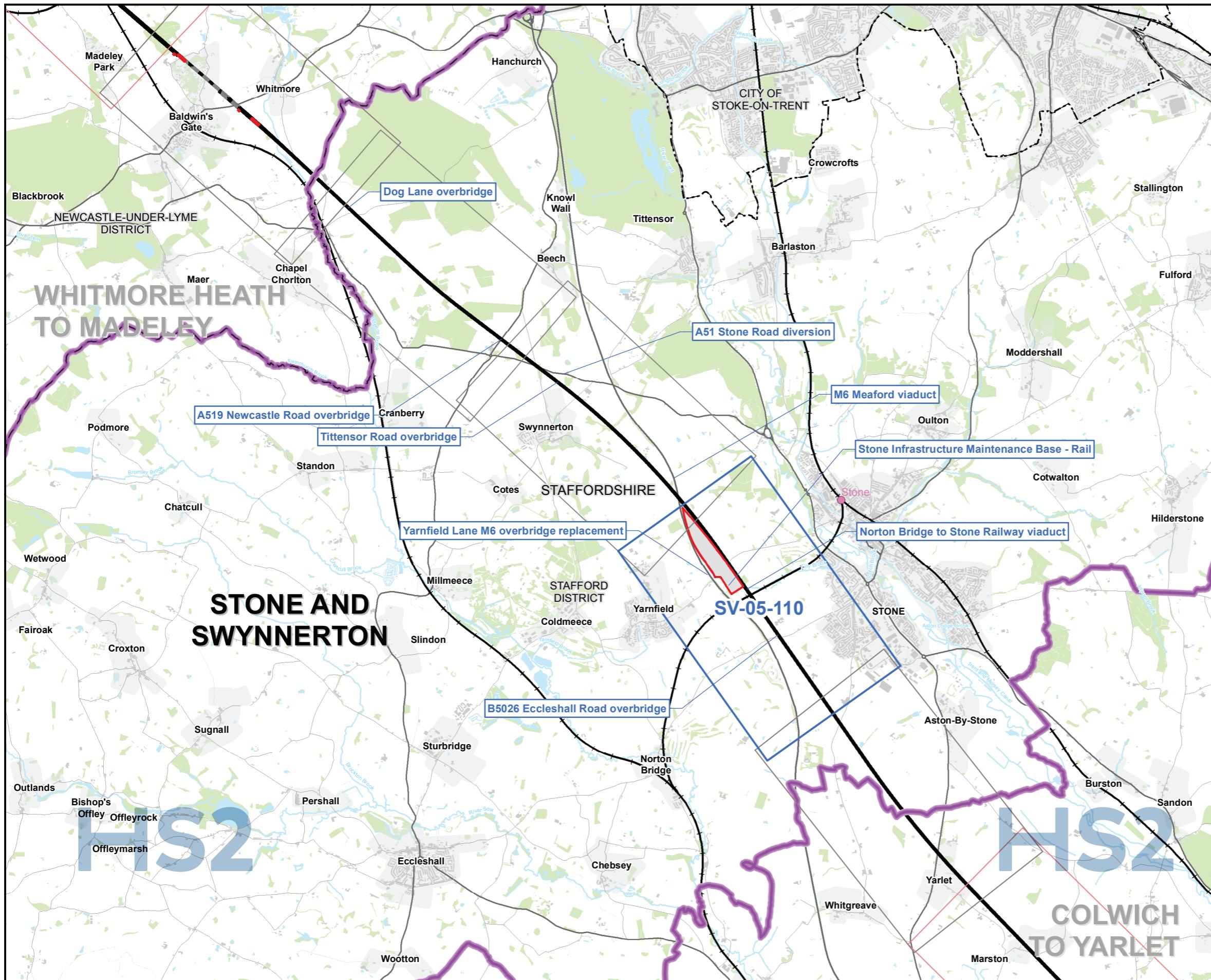
Supplementary Environmental Statement 2 and

Additional Provision 2 Environmental Statement

SV-05 - Operational Noise and Vibration Impacts and

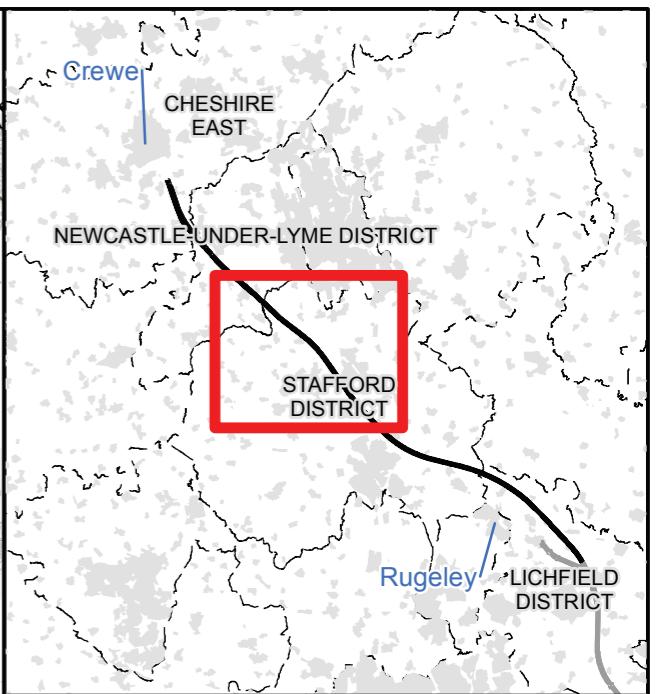
Likely Significant Effects

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Main Map Legend	
Route in tunnel	Map sheets included in this community area with amendment
Route on surface	Map sheets included in this community area with no amendment
Depot, station, headhouse or portal building	Map sheets not included in this community area
Community area boundary	Map sheets included in this community area
Existing railway station	
County boundary	
District/Borough boundary	

Map Number	SV-05-INDEX-CA3
Map Name	Index Map of: Operational Noise and Vibration Impacts and Likely Significant Effects SES2 and AP2 ES
Community Area 3:	Stone and Swynnerton



Map Series Information:

SV-05 presents the direct operational noise impacts and likely significant effects of the scheme.

The SV-05 figure series necessarily contains a large amount of information relating to the operational noise and vibration assessment. It is designed to communicate visually the assessment process from the prediction of impacts to the determination of likely residual significant effects. The corresponding text is included in Vol2.

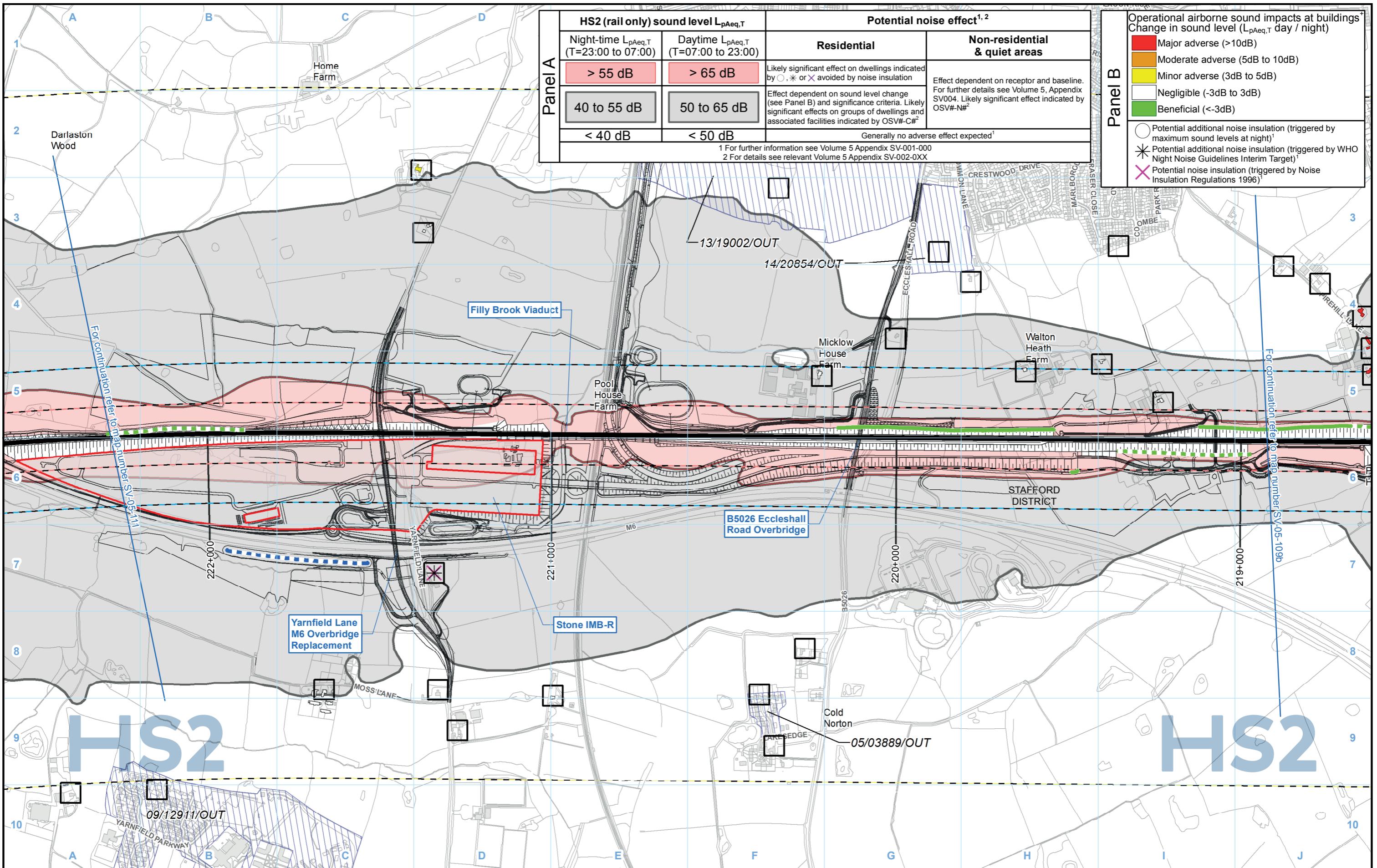
Key items on the figure series include:

- the Proposed Scheme (the proposed railway alignments and surrounding associated earthworks/roads);
- blue and green lines representing the wayside airborne noise mitigation measures included in the Proposed Scheme;
- the study areas, which indicate the areas within which direct operational sound and vibration impacts of the scheme have been quantitatively assessed;
- the calculated scheme direct impacts, displayed as colour-coded buildings, and symbols representing buildings that would potentially qualify for noise insulation;
- sound contours representing sound produced by the new railway (displayed in a simpler manner than on SV-01 in order not to obscure other features on the figure series); and
- labels indicating where the likely residual direct noise and/or vibration significant effects have been identified.

The design of the Proposed Scheme will be informed through stakeholder engagement and further engineering and environmental studies.

A more detailed explanation of each legend item included on the figures can be found in the data dictionary.

Note: Not all data layers in the legend are represented on every map.



Legend - General features

- Route in bored tunnel
- Route in cut and cover tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Community area boundary
- County boundary
- District/Borough boundary

- Engineering earthworks: Non engineering earthworks:
- Embankment
- Cutting
- Embankment
- Cutting

* Residential buildings only
** Labelled with total barrier height above rail level
** HS2 train only L_{pAmax} + 2.5dB façade correction

Legend - Sound related features

- Committed developments - SV Only
- 1km Airborne sound study area
- Envisaged mitigation to avoid / reduce significant noise effects:
- Landscaping and/or fence barriers*
- Engineering e.g. cuttings (green tunnels separately marked)
- Ground-borne sound & vibration study area (residential and non-residential)
- Ground-borne sound & vibration study area (highly sensitive non-residential)
- Envisaged measures further reducing noise effects:
- Other environmental e.g. landscaping
- Engineering e.g. cuttings
- Ground-borne noise or vibration impact*
- L_{pAmax} exceeds 60dB façade**

Map Number

Map Name

SV-05-110
Operational Noise and Vibration Impacts and Likely Significant Effects

Community Area 3:
Stone and Swynnerton



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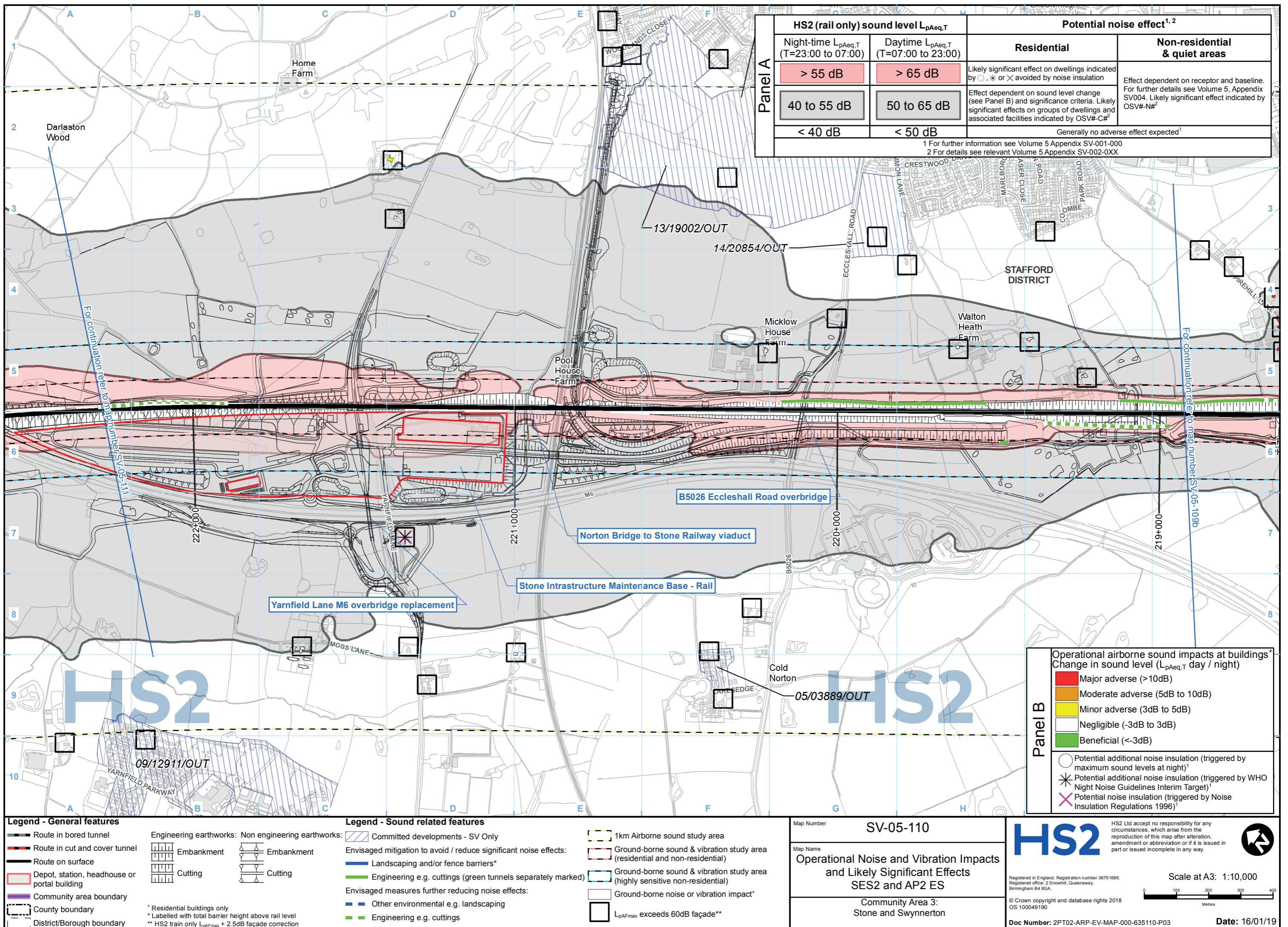


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